

ORANGE COUNTY CONVENTION CENTER





WEST BUILDING PHASE I -ELECTRICAL POWER UPGRADES

DISTRICT 3 COMMISSIONER

PETE CLARKE

DISTRICT 4 COMMISSIONER JENNIFER THOMPSON

DISTRICT 5 COMMISSIONER **TED EDWARDS**

DISTRICT 6 COMMISSIONER

TIFFANY MOORE RUSSELL

•			
•			
•			
•			
•			
,			
,			
>			

SHEET NO.	ARCHITECTURAL SHEET INDEX FOR	SCALE
A-100	SYMBOLS, NOTES, SPECIFICATION, & CODE INFORMATION	NONE
A-101	ENLARGED FENCING FLOOR PLAN AND DEATILS	VARIES
	•	
SHEET NO.	ELECTRICAL SHEET INDEX FOR	SCALE
E.0.01	GENERAL NOTES, FIXTURE SCHEDULE, & SHEET INDEX	NONE
E-1.1.1	OVERALL PLAN - ELECTRICAL	VARIES
E-1.1.12	POWER PLAN - BUILDING 12	1/8" = 1-0"
E-2.4.01	ENLARGED ROOM PLAN & EQUIPMENT ELEVATIONS	VARIES
E-2.4.02	ENLARGED ROOM PLAN & EQUIPMENT ELEVATIONS	VARIES
E-2.4.03	ENLARGED ROOM PLAN & EQUIPMENT ELEVATIONS	VARIES
E-2.5.01	ELECTRICAL SCHEDULES	NTS
E5.2.01	POWER RISER DIAGRAMS	NTS
E5.2.02	POWER RISER DIAGRAMS	NTS
E5.2.03	POWER RISER DIAGRAMS	NTS
E9.1.01	ELECTRICAL DETAILS	NTS



	ABBREVIA	TIONS		SYMBOLS						
A/C ACT AD	AIR CONDITIONING ACOUSTICAL CEILING TILE OF ACOUSTICAL TREATMENT AREA DRAIN OF AREA DEVELOPMENT	MBSR MCC MECH	MODIFIED BITUMINOUS SHEET ROOFING MOTOR CONTROL CENTER MECHANICAL							
AFF ALUM APPROX	ABOVE FINISHED FLOOR ALUMINUM APPROXIMATELY	MET MEZZ MF	METAL MEZZANINE METAL FACE	\bigcirc	FIXTURE-SURFACE CEILING MOUNTED		MOUNTED FLUOR			
ARF AHU	ACRYLIC RESIN FLOORING AIR HANDLING UNIT	MFR MIN	MANUFACTURER MINIMUM	\odot	FIXTURE-PENDANT CEILING MOUNTED	0 0	FLUORESCENT FI> CEILING MOUNTEE			
BD BF BLDG	BOARD BRICK FACE BUILDING	MISC MO MRT	MISCELLANEOUS MASONRY OPENING MOISTURE RESISTANT TREATMENT	\bigcirc	FIXTURE RECESS CEILING MOUNTED		FLUORESCENT FIX WALL MOUNTED			
BO BOH DOT	BOTTOM OF BACK OF HOUSE	(N)			FIXTURE-RECESS WALL MOUNTED CHARACTER FIXTURE-SURFACE CEILING MOUNTED		FLUORESCENT FIX CEILING MOUNTEE			
BOT CFOI CJ	CONTRACTOR FURNISHED OWNER INSTALLED	NIC NR NTS	NOT IN CONTRACT NOT RATED NOT TO SCALE	Ŭ-	CHARACTER FIXTURE-SURFACE WALL MOUNTED)H	ACCENT LIGHT FI			
CLG CLR	CEILING CLEAR	NRCA OC	NATIONAL ROOFING CONTRACTORS ASSOCIATION ON CENTER	\bigcirc	CHARACTER FIXTURE-PENDANT CEILING MOUNTED	<u>s</u>	PUBLIC ADDRESS			
CMU CO COI	CONCRETE MASONRY UNIT CLEAN OUT COLUMN	OCC OCP OD	OPERATOR CONTROL CONSOLE OPERATOR CONTROL PANEL OUTSIDE DIAMETER or OVERFLOW DRAIN		ACCENT LIGHT FIXTURE-RECESS CEILING MOUNTED BURIAL UPLIGHT-FLUSH GRADE MOUNTED	$\textcircled{\begin{tabular}{c} \hline \\ \hline $	ANUNCIATOR			
CONC CONT	CONCRETE CONTINUOUS	OFI OFOI	OWNER FURNISHED ITEM OWNER FURNISHED OWNER INSTALLED		ANGLE	(J)	JUNCTION BOX-R			
CT	CERAMIC TILE	OPP P.S.I.	OPPOSITE POUNDS PER SQUARE INCH	L_ F	CHANNEL	J	JUNCTION BOX-F			
D DBL	DEPTH DOUBLE	PF PL	PLASTER FACE PLATE	_ ଜୁ	CENTER LINE		INTERCOM OUTLE			
DIA DIAG	DIAMETER DIAGONAL	PLAM PLYWD PNT	PLYWOOD PAINT	Ø	DIAMETER or ROUND	D	SMOKE/HEAT DE			
DMP DN	DISTRESSED METAL PROCESS DOWN	POC POS	POINT OF CONNECTION POINT OF SALE		SQUARE WORK POINT or ELEV. BENCH MARK	()	THERMOSTAT			
DS DWG DWP	DRAWING DISTRESSED WOOD PROCESS	PREP PROJ	PREPARATION PROJECTION		LIGHTNING ROD ARRESTER	•	PENDANT SPRINK			
DWR DL	DRAWER DEAD LOAD	PSF PT	POUNDS PER SQUARE FPPT PRESSURE TREATED	\oplus^{S}	SPEAKER MOUNTING LOCATION (ELEVATION)		SPRINKLER HEAD			
EA EDF	EACH ELECTRICAL DRINKING FOUNTAIN	R	RISER		ELECTRICAL FIXTURE MOUNTING LOCATION (ELEVATION)	\succ	SPRINKLER HEAD			
EER EH FIFS	ELECTRONIC EQUIPMENT ROOM EYEHOOK EXTERIOR INSULATION & EINISH SYSTEM	R or RAD RBC RBS	RADIUS RESILIENT BASE COVE RESILIENT BASE STRAIGHT			# &	AND			
EJ EL	EXPANSION JOINT ELEVATION	RC RD	REINFORCED CONCRETE ROOF DRAIN				AT			
ELEC EQ FOLUP	ELECTRICAL EQUAL FOUIPMENT	RCP REF REOD	REFLECTED CEILING PLAN REFERENCE REQUIRED		WALL MOUNTED	d	DELTA PENNY			
EXP EXT	EXPOSED EXTERIOR	RF	RESILIENT FLOOR ROOM	EXIT SIGN	S	ф	SQUARE FEET			
FBR FD	FABRIC FLOOR DRAIN	RO RS	ROUGH OPENING ROUGH SAWN	_			- DOOR NUMBER			
FDN FF	FOUNDATION FINISH FLOOR	SC SF	SOLID CORE SQUARE FEET or STONE FACE			DOOR				
FFE FHC FMG	FINISH FLOOR ELEVATION FIRE HOSE CABINET FACTORY MUTUAL GLOBAL	SH I SIM SPF	SHEET SIMILAR SPECIAL FINISH	A-541	LETTER FOR ENLARGED PLANS SHEET ON WHICH DETAIL OCCURS	F-1-	— FENCE / GATE N			
FRT FIN	FIRE RETARDANT TREATED FINISH	SQ SQ FT	SQUARE SQUARE FEET OR SQAURE FOOT	DETAIL		FENCE / C	SATE			
FLR FOC FOF	FLOOR FACE OF CONCRETE FACE OF FINISH	SS SSP ST	STAINLESS STEEL SANITARY SHEET PLASTIC STONE							
FOM FOS	FACE OF MASONRY FACE OF STUD	STD STL	STANDARD STEEL		NUMBER		- LOUVER NUMBER			
FS FT	FIBERGLASS REINFORCED PLASTIC FLOOR SINK or FINISH SEALER FEET	SUSP S4S	SUSPENDED SURFACED FOUR SIDES	A-611						
GA GALV GFRC	GAUGE GALVANIZED GLASS FIBER REINFORCED CONCRETE	SYP T T&G	SOUTHERN YELLOW PINE TREAD TONGUE AND GROOVE			$\langle x \rangle$	- WINDOW NUMBER			
GFRG GAL	GLASS FIBER REINFORCED GYPSUM GALLON	TEL	TELEPHONE	ELEVATION	<u>\</u>	WINDOW				
GL GYP BD H	GLASS GYPSUM BOARD HIGH	TOC TOM TOP	TOP OF CONCRETE OF CURB TOP OF MASONRY TOP OF PARAPET				TICK INDIC AS SHOWN			
HB HM HORIZ	HOSE BIBB HOLLOW METAL	TOS TOW TYP	TOP OF STEEL TOP OF WALL	A-501			WALL TYPE			
HP HR	HIGH POINT HOUR	UL UNO	UNDERWRITERS LABORATORIES INC. UNLESS NOTED OTHERWISE		- SHEET ON WHICH		$H1 = FI \\ OR F$ $H2 = 6$			
HT HVAC ID	HEIGHT HEATING VENTILATING & AIR CONDITIONING INSIDE DIAMETER	UPH VCT VFRT	UPHOLSTERY VINYL COMPOSITION TILE VERTICAL	WALL SEC	SECTION OCCURS SECTION OCCURS		- FIRE RESIS			
INSUL INT	INSULATION INTERIOR	VIF	VERIFY IN FIELD		NUMBER FOR DETAIL		2 = TW 3 = TH			
JT KEC KD	JOINT KITCHEN EQUIPMENT CONTRACTOR KILN DRIED	W/ WC	WITH WALL COVERING OR WATER CLOSET		LETTER FOR SECTION		INSULATION T = TH S = SO			
KDAT LAV	KILN DRIED AFTER TREATMENT LAVATORY	W/O WF WD	WITHOUT WOOD FACE WOOD	() A-201 A-542	SHEET NUMBER		SCHEDULEI			
LL LP MAINT	LOW POINT MAINTENANCE	WDB WDF	WOOD BASE WOOD FLOOR	A=304			<u> </u>			
MATL MAX	MATERIAL MAXIMUM	WP WR	WORK POINT WATER RESISTANT	DETAIL/SE	ECTION CROSS REFERENCE					
	MATERIALS	FGFN		3 /	-NUMBER OF ELEVATION SET 1 - ELEVATION NUMBER		- FIXIURE NUMBER			
					$1 \qquad \qquad \underline{1} \qquad \underline{1} \qquad \underline{2}$	TOILET ACC	CESSORIES			
	ACOUSTICAL INSULATION		GLASS	4 A-611		2				
				2	3 SHEET ON WHICH ELEVATION IS SHOWN	REVISION				
	ACOUSTICAL TILE		GYPSUM BOARD	INTERIOR	ELEVATION		(2)			
	7			<u> </u>	ROOM IN WHICH FIXTURE APPEARS	\frown				
	BATT INSULATION		RIGID INSULATION	FX-101A-1 1/A-63	15 5	(A)—				
					SHEET ON WHICH FIXTURE IS SHOWN	COLUMN LI	NFS			
ang sa sanaha tina sa sang sa sa sa Sa sa	CEMENT PLASTER		METAL	FIXTURE I	DENTIFICATION					
and the second states of the	PORTLAND CEMENT	<i> _ </i>	PLYWOOD	BASE	MATERIAL COLOR/FINISH TREATMENT	A5 (F	$\begin{array}{c} \text{A10} = \\ \text{B} = \end{array}$			
	PLASTER OVER METAL LATH			REFER	TO A-410 110 WF-12 101 SHEET	s	C5 = C10 =			
	COMPRESSIBLE FILLER		WOOD BLOCKING		SEE SPEC. APPENDIX FOR THEMED FACADE TEXTURE DEFINITIONS		W = 1 - SUFFIX: S = 1			
				INTERIOR	AND EXTERIOR FINISH REFERENCES		SH = SR =			
4 4 4	CONCRETE		CONTINUOUS WOOD		SPECIAL FINISHES	FIRE EXTIN	R =			
4			MEMBER				SEE DRAWING A-201			
(//////////////////////////////////////	CONCRETE MASONRY		FINISHED WOOD MEMBER	ROOM 101	ROOM NUMBER		MATCHLINE			
<u>x////////</u>						MATCH LIN	Ĕ			
	EARTH		EXTERIOR INSULATION & FINISH SYSTEM	XX	SPECIALTY ITEMS					
	٥	KXXXXXX								

CODE INFORMATION APPLICABLE CODES RESCENT LIGHT FIXTURE Edition : 2010 Building : FLORIDA BUILDING CODE IXTURE-RECESS Edition : 2010 Mechanical : FLORIDA MECHANICAL CODE Edition : 2010 FLORIDA PLUMBING CODE Plumbing : Edition : 2010 Gas : FLORIDA GAS CODE XTURE-SURFACE CEILING or FLORIDA ELECTRICAL CODE Edition : 2010 Electrical : XTURE-PENDANT or CHAIN Fire : FLORIDA FIRE PREVENTION CODE Edition : 2010 ACCESSIBILITY: FLORIDA ACCESSIBILITY CODE Edition : <u>2009 w</u>/2012 AMENDMENT TIXTURE Energy: EPCOT ENERGY EFFICIENCY CODE Edition : 2010 KER FIRE/LIFE SAFETY: FLORIDA FIRE PREVENTION CODE Edition : 2010 SPEAKER TATION CONSTRUCTION RECESSED CEILING MOUNTED Type of Construction : TYPE II-A (CHAPTER 6) -FLUSH IN FLOOR UNO ET-WALL MOUNTED Sprinklered or Non-sprinklered : SPRINKLED TLET-WALL MOUNTED Total Floor Area of Chain Link Electrical Area : <u>132 S.F.</u> DETECTOR-SURFACE CEILING MOUNTED NKLER HEAD OCCUPANCY KLER HEAD GROUP F-3 (Low Occupancy Equipment Rooms) W/ 12"X12" HEAT BAFFLE Occupancy(s) / Group Classification : <u>2 persons</u> D – WALL MOUNTED JND NUMBER CATES TOP SURFACE 'N IN WALL TYPE SCHEDULE NUMBER EDULE PLATFORM ABOVE CEILING. ISTANCE DESIGNATION NE HALF HOUR NE HOUR WO HOUR REE HOUR N DESIGNATION HERMAL INSULATION OUND INSULATION ED PARTITION 5Ib ABC EXTINGUISHER NOTES 10Ib ABC EXTINGUISHER 5.5Ib 40BC EXTINGUISHER 5Ib CO2 EXTINGUISHER GENERAL CONTRACTOR TO VERIFY DATUM ELEVATION WITH OWNER 10Ib CO2 EXTINGUISHER PRIOR TO START OF ANY WORK. = 2 1/2 GALLON WATER EXTINGUISHER 2. ANY DAMAGED FIREPROOFING MATERIAL DISCOVERED DURING SURFACE MOUNTED CABINET PROJECT CONSTRUCTION TO BE RETURNED TO ORIGINAL INTEGRITY. SURFACE MOUNTED HOOK WITH BACKBOARD 3. DIMENSIONS SHOWN ON FLOOR PLANS ARE TO FACE OF FINISHED SEMI-RECESSED CABINET WALL, FACE OF MASONRY, FACE OF CONCRETE OR TO STRUCTURAL GRID LINES UNLESS OTHERWISE NOTED. RECESSED CABINET











VIEW OF GALVANIZED BASE PLATE AND FENCE POST SECURED INTO EXISTING CONCRETE FLOOR. SEE DETAIL 4/A-101.

3 IMAGE OF FENCE POST SECURED TO CONCRETE A-101 SCALE: N.T.S.

0 1'2'	4'	8'	1
SCALE:	1/4" =	1'-0"	ľ
0 2"4"	8"	1'	2
SCALE:	1 1/2" :	= 1'-0"	



4 SECTION AT NEW GALV. FENCE POST A-101 SCALE: 1 1/2" = 1'-0"



PROJECT ┢┉ᆮݡᡄᢕᡑᡄᠯ᠊ᡶᡔᡆ᠋᠆ᠴᡆ᠋᠆ᠴᠰᡄᢕᡑᢪᢕᡑᢛ᠁ ┘└╫┘└╫┘└╫┘└╢┘└╢ · ____ · ____



GENERAL NOTES

1. ALL 277V, 20A CIRCUIT HOMERUNS OVER 100 FT. SHALL BE #10 CU. MINIMUM, UNLESS OTHERWISE NOTED.

- 2. ALL 277V, 20A CIRCUITS WITH HOMERUNS OVER 150 FT. SHALL BE #10 CU. THROUGHOUT ENTIRE CIRCUIT MINIMUM, UNLESS OTHERWISE NOTED.
- 3. NO MULTI-WIRE BRANCH CIRCUITS ARE TO BE USED. EACH CIRCUIT IS TO HAVE SEPARATE INDIVIDUAL NEUTRAL.
- 4. VERIFY EXACT LOCATION OF <u>ALL</u> MECH. EQUIP. INCLUDING WALL SWITCHES, T'STATS, ETC. WITH MECH. CONTRACTOR AND MECH. DRAWINGS.
- 5. REFER TO MECHANICAL EQUIPMENT SCHEDULE, FOR RESPECTIVE CONDUIT/CONDUCTORS, DISCONNECTS, MISC. EQUIPMENT REQUIRED FOR ALL MECHANICAL AND PLUMBING EQUIPMENT. REFER TO PANEL SCHEDULES FOR CIRCUITS NUMBERS OF CIRCUITS FOR MECHANICAL AND PLUMBING EQUIPMENT.
- 6. VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AND SITE AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSALS, SO AS TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT EXECUTION OF THE WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED.
- 7. READ SPECIFICATIONS.
- 8. SEE RISER DIAGRAMS AND BUILDING PLANS.
- 9. ALL EMPTY CONDUITS ARE TO HAVE PULL-STRINGS PROVIDED IN THEM.
- 10. SPLICES IN POWER AND LIGHTING OUTLET BOXES SHALL BE KEPT TO A MINIMUM, PULL CONDUCTORS THROUGH TO DEVICES, EQUIPMENT CABINETS/PANELBOARDS. SPLICING IN WIREWAYS IS NOT PERMITTED UNLESS SPECIAL WRITTEN PERMISSION IS GRANTED BY A/E.
- 11. CONTRACTOR SHALL INCLUDE IN HIS BID THE TRANSPORT AND DISPOSAL OR RECYCLING OF ALL WASTE MATERIALS GENERATED BY THIS PROJECT IN ACCORDANCE WITH ALL RULES, REGULATIONS AND GUIDELINES APPLICABLE. CONTRACTOR SHALL COMPLY FULLY WITH FLORIDA STATUTE 403.7186 REGARDING MERCURY CONTAINING DEVICES AND LAMPS. LAMPS, BALLASTS AND OTHER MATERIALS SHALL BE TRANSPORTED AND DISPOSED OF IN ACCORDANCE WITH ALL DEP AND EPA GUIDELINES APPLICABLE AT TIME OF DISPOSAL. CONTRACTOR SHALL PROVIDE OWNER WITH WRITTEN CERTIFICATION OF ACCEPTED DISPOSAL.
- 12. MOUNT ALL DISCONNECT SWITCHES FOR MECHANICAL EQUIPMENT WITHIN 6 FT. OF EQUIPMENT CONNECTION POINT. VERIFY LOCATION OF POINT OF CONNECTION WITH EQUIPMENT INSTALLER PRIOR TO ELECTRICAL ROUGH-IN. (DRAWINGS ONLY SHOW DIAGRAMMATIC LOCATION OF CONNECTION).
- 13. PROVIDE, INSTALL AND CONNECT ONE 20 AMP DUPLEX RECEPTACLE IN CAST WEATHERPROOF BOX WITH WEATHERPROOF COVER WITHIN 25 FEET OF ALL MECHANICAL EQUIPMENT INSTALLED ON ROOFS OR IN ATTICS. CONNECT RECEPTACLES TOGETHER (MAXIMUM OF SIX PER CIRCUIT) WITH #10 WIRE AND CONNECT TO CLOSEST 120 VOLT PANEL. CONNECT TO 20 AMP 1 POLE SPARE CIRCUIT BREAKER AND RELABEL BREAKER "ROOF RECEPTS."
- 14. EXISTING CONDITIONS INDICATED ARE TAKEN FROM EXISTING CONSTRUCTION DOCUMENTS, VARIOUS SURVEYS, AND FIELD INVESTIGATIONS. IT IS TO BE UNDERSTOOD THAT UNFORESEEN CONDITIONS PROBABLY EXIST AND NEW WORK MAY NOT BE FIELD LOCATED EXACTLY AS SHOWN ON THE DRAWINGS. COOPERATION WITH OTHER TRADES IN ROUTING AND/OR BURIAL DEPTHS AS DETERMINED DURING CONSTRUCTION AND AS DIRECTED BY THE ENGINEER MAY BE NECESSARY AND IT IS INTENDED THAT SUCH DEVIATIONS SHALL BE CONSIDERED A PART OF THIS CONTRACT. IT IS ALSO UNDERSTOOD THAT THE PLANS ARE NOT COMPLETELY TO SCALE. THIS CONTRACTOR IS TO FIELD VERIFY DIMENSIONS OF ALL SITE UTILITIES, ETC., PRIOR TO BID AND INCLUDE ANY DEVIATIONS IN THE CONTRACT.
- 15. REMOVE EXISTING POWER, LIGHTING, SYSTEMS, MATERIAL AND EQUIPMENT WHICH ARE MADE OBSOLETE OR WHICH INTERFERE WITH THE CONSTRUCTION OF THE PROJECT.
- 16. REINSTALL ANY SUCH POWER, LIGHTING, SYSTEMS, MATERIALS AND EQUIPMENT WHICH ARE REQUIRED TO REMAIN ACTIVE FOR THE FACILITY TO BE FULLY FUNCTIONAL.
- 17. ALL EXISTING ELECTRICAL IS NOT SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO BECOME FAMILIAR WITH ALL EXISTING CONDITIONS PRIOR TO BID, AND INCLUDE IN HIS BID THE REMOVAL OF ALL ELECTRICAL EQUIPMENT, WIRE, CONDUIT, DEVICES, FIXTURES, ETC. THAT IS NOT BEING REUSED, BACK TO ITS SOURCE.
- 18. ALL RECEPTACLES, DEVICES AND EQUIPMENT NOT SHOWN, AND IN AREAS OUTSIDE OF REMODELING SHALL REMAIN ACTIVE UNLESS OTHERWISE NOTED. FURNISH AND INSTALL ACCESSIBLE JUNCTION BOXES AND REWORK EXISTING CIRCUITS AS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY TO RECEPTACLES, DEVICES AND EQUIPMENT REMAINING.
- 19. ALL CONDUIT TO BE CONCEALED UNLESS IMPOSSIBLE DUE TO EXISTING CONDITIONS (I.E. EXPOSED CEILINGS, BUILDING EXTERIOR WALL RUNS, IMPOSSIBLE UNDERGROUND RUNS). CONCEAL ALL CONDUITS ABOVE CEILINGS OR IN WALL/COUNTERS.
- 20. ALL NEW DEVICES TO BE FLUSH MOUNTED UNLESS SPECIFICALLY NOTED OTHERWISE.
- 21. PROVIDE NEW TYPED PANEL DIRECTORIES FOR ALL EXISTING AND NEW PANELBOARDS FOR PANELBOARDS ASSOCIATED WITH CONTRACT WHETHER SHOWN ON PLANS OR NOT REGARDLESS IF SCHEDULES/CIRCUITRY HAS BEEN CHANGED.
- 22. PROVIDE NEW PHENOLIC LABELS (PER SPEC'S) ON ALL (2) TWO POLE AND (3) THREE POLE CIRCUIT BREAKERS WITHIN ALL EXISTING AND NEW PANELBOARDS ASSOCIATED WITH CONTRACT WHETHER SHOWN ON PLANS OR NOT REGARDLESS IF SCHEDULES/CIRCUITRY HAS BEEN CHANGED.
- 23. ALL EXISTING AND NEW CIRCUIT BREAKERS WITHIN EACH EXISTING PANELBOARD SHALL BE THE SAME MFG. TYPE, STYLE AND A.I.C. RATING OF EXISTING PANELBOARD REGARDLESS OF WHAT IS SHOWN ON PANEL SCHEDULE. FIELD VERIFY ALL EXISTING PANELBOARD(S) RELATED WITH CONTRACT AND REPLACE CIRCUIT BREAKERS AS NECESSARY TO COMPLY WITH THIS REQUIREMENT.
- 24. ALL CONCRETE, WALL PATCHING, CEILING REPAIR, WALL FINISHES, AND OTHER GENERAL WORK REQUIRED FOR INSTALLING ELECTRICAL SYSTEMS SHALL BE REPAIRED TO "LIKE NEW/ORIGINAL CONDITION." (COORDINATE WITH GENERAL CONTRACTOR PRIOR TO BID.)
- 25. ALL OPENINGS IN FIRE RATED WALLS AND FLOORS, ETC. MADE BY RENOVATION SHALL BE SEALED AND FIREPROOFED. PROVIDE AND INSTALL FIRESTOPPING ON ALL NEW OR EXISTING CONDUIT AND/OR CABLE THAT PENETRATES ANY FIRE RATED NEW OR EXISTING WALL IN ALL AREAS AFFECTED BY THIS PROJECT. VERIFY LOCATION OF FIRE RATED WALLS WITH ARCHITECTURAL PLANS PRIOR TO BID. FIRESTOPPING SYSTEM SHALL BE AS REQUIRED BY UL FOR RATING OF WALL AND CONDUIT/CABLE PENETRATION.
- 26. DASHED ITEMS INDICATE EXISTING TO REMAIN.
- 27. "R" ADJACENT TO DEVICE INDICATES EXISTING TO BE REMOVED COMPLETE.
- 28. ALL ITEMS REMOVED AND NOT RE-USED SHALL BE IMMEDIATELY TURNED OVER TO OWNER AS THEY ARE MADE AVAILABLE BY RENOVATION. REMOVE ITEMS FROM JOB SITE AND DELIVER TO OWNERS STORAGE LOCATION(S) AS DIRECTED BY PROJECT MANAGER. DISCARD COMPLETE ITEMS WHICH OWNER ELECTS TO REFUSE.
- 29. CONTRACTOR MAY REUSE EXISTING CONDUIT (MIN. OF 10' LENGTHS) AND ASSOCIATED FITTINGS, PULL BOXES, ETC., WHICH ARE IN "LIKE NEW CONDITION" AND WHICH MEET THE INTENT OF THE SPECIFICATIONS FOR NEW PRODUCTS. WHERE EXISTING RACEWAYS ARE REUSED, THE CONTRACTOR SHALL REMOVE EXISTING WIRING, PULL IN NEW WIRING, AND CONNECT TO NEW DEVICES AS SHOWN ON THE DRAWINGS AND CALLED FOR IN THE SPECIFICATIONS. REUSE OF EXISTING DEVICES AND WIRING SHALL NOT BE ALLOWED UNLESS SPECIFICALLY NOTED OTHERWISE. ALL EXISTING CONDUITS THAT ARE REUSED SHALL BE PERMANENTLY IDENTIFIED IN ACCORDANCE WITH THE SPECIFICATIONS.
- 30. THIS PROJECT SHALL BE COMPLIANCE WITH THE 2010 FLORIDA BUILDING CODE AND 2008 NEC.

	SYMBOL LEGEND													
SYMBOL	DESCRIPTION	DESIGN SELECTION	APPROVED SUBSTITUTION	APPROVED SUBSTITUTION	REMARKS									
⊢ • · ·	OUTLET BOX AND FLUORESCENT FIXTURE IN COVE OR MILLWORK. COORDINATE WITH ARCHITECTURAL PLANS	SEE FIXTURE SCHEDULE			d									
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	CEILING OUTLET BOX AND FLUORESCENT FIXTURE	SEE FIXTURE SCHEDULE			d									
0	CEILING OUTLET BOX AND HID, FLUORESCENT OR INCANDESCENT FIXTURE	SEE FIXTURE SCHEDULE			d									
ହ	WALL OUTLET BOX AND HID, FLUORESCENT OR INCANDESCENT FIXTURE	SEE FIXTURE SCHEDULE			d									
•	CEILING OUTLET BOX AND LIGHT FIXTURE ON EMERGENCY SYSTEM BRANCH CIRCUIT	SEE FIXTURE SCHEDULE			d									
Ŷ	WALL OUTLET BOX AND HID, FLUORESCENT OR INCANDESCENT FIXTURE ON EMERGENCY SYSTEM BRANCH CIRCUIT	see fixture schedule			d									
	120/208V BRANCH CIRCUIT PANELBOARD SURFACE MOUNTED	SQUARE "D"	G.E.	SIEMENS	i									
2222	277/480V BRANCH CIRCUIT PANELBOARD SURFACE MOUNTED	SQUARE "D"	G.E.	SIEMENS	i									
Ν	LIGHTING CONTROL OR DIMMER PANEL - SURFACE MOUNTED													
Ð	TRANSFORMER	SQUARE "D"	G.E.	SIEMENS	i									
R	RELAY, AS NOTED													
C	CONTROL AND/OR POWER CONNECTION ON EQUIPMENT				i									
	DISCONNECT SWITCH, SIZE AS NOTED	SQUARE "D"	G.E.	SIEMENS	g, i									
	BRANCH CIRCUIT CONDUIT CONCEALED ABOVE CEILING OR IN WALL. SLASH MARKS INDICATE NUMBER OF CONDUCTORS (GROUND WIRE NOT SHOWN). TWO CONDUCTORS PLUS GROUND REQUIRED (UNLESS OTHERWISE NOTED OR MARKED)													
$\langle \rangle$	120V BRANCH CIRCUIT CONDUIT CONCEALED ABOVE CEILING OR IN WALL.													
\frown	HOME RUN WIRING. ONE CIRCUIT PER ARROW HEAD													

NOTES:

1) ALL DEVICES TO BE GREY WITH SMOOTH METAL #302 S.S. PLATES UNLESS OTHERWISE NOTED.

- 2) DASHED ITEM DENOTES "EXISTING".
- 3) "R" BY DEVICE DENOTES EXISTING TO BE REMOVED COMPLETELY.
- 4) "H" BY DEVICE DENOTES DEVICE TO BE MOUNTED HORIZONTALLY.
- 5) MOUNT SWITCHES AT 48" AFF TO TOP.
- 6) SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 7) ALL ITEMS NOTED ON THE LEGENDS DO NOT NECESSARILY APPEAR ON PLANS. REMARKS:
- b) SUPPORT OUTLET BOX FROM STRUCTURE WITH (1) 3/8" ALL THREADS MINIMUM. BOXES LARGER THAN 25 SQUARE INCHES SHALL BE SUPPORTED WITH (2) 3/8" ALL THREADS MINIMUM.
- d) JUNCTION/OUTLET BOX SHALL BE SIZED AS REQUIRED FOR CONDUCTOR/DEVICE FILL PER N.E.C.
- g) PROVIDE KINDORF MTG. RACK FOR FREE STANDING APPLICATIONS. KINDORF SHALL BE PVC
- COATED FOR EXTERIOR APPLICATIONS. ALL CUT ENDS ARE TO BE SEALED.
- h) WHEN SURFACE JUNCTION BOX SYMBOL IS COMBINED WITH DEVICE SYMBOL, PROVIDE APPROPRIATE SURFACE PLATE FOR OUTLET APPLICATION.
- i) MAINTAIN WORKING CLEARANCES IN STRICT ACCORDANCE WITH N.E.C. COORDINATE EXACT LOCATION OF EQUIPMENT WITH ALL DISCIPLINES (I.E. STRUCTURAL, HVAC, PLUMBING, FIRE PROTECTION, KITCHEN, MILLWORK, ETC.) PRIOR TO ROUGH-IN TO MAINTAIN CLEARANCES.

FIRE ALARM SYSTEM SYMBOL LEGEND												
SYMBOL	DESCRIPTION	MOUNTING HEIGHT	MOUNTING									
AR	AHU/EXHAUST FAN SHUT-DOWN RELAY, ADDRESSABLE	WITHIN THREE FEET (3') OF STARTER	SURFACE									

DEMO	LITION LEGEND
R1	REMOVE ALL ELECTRICAL ASSOCIATED WITH THIS ITEM, COMPLETE BACK TO ITS SOURCE. SOURCE IS CONSIDERED TO BE FIRST UPSTREAM DEVICE OR CIRCUIT BREAKER THAT FEEDS THIS AFFECTED CIRCUIT. SEE GENERAL NOTES AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
R2	REMOVE ALL ELECTRICAL IN AREA OF REMODEL/RENOVATION COMPLETE BACK TO ITS SOURCE. SOURCE IS CONSIDERED TO BE FIRST UPSTREAM DEVICE OR CIRCUIT BREAKER OUTSIDE OF AREA OF REMODEL THAT FEEDS CIRCUITS/DEVICES WITHIN AREA OF REMODEL/RENOVATION. SEE GENERAL NOTES AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
<u>}</u> ;	EXISTING WALLS TO BE REMOVED COMPLETE.
	EXISTING WALLS TO REMAIN.



DAY TAN

		P4	P5	P1	P2	P3	Т ИСС2	 P–1
GENERATOR EMERGENCY CEN. DAY TANK	BATTERY CHARGER EL2 ELECTRICAL TRANSFORMER H3F 1352 H2A	S				CHILLER/BO	IL ERS	BOILER
	MSB2 3 3 3							

OFFICE. 1355 FOR CONTINUATION SEE E1.1.12	CT-1	CT-2	COOLING TOWERS 1356 CT-3				



GENERAL NOTES

- 1. REFER TO GENERAL NOTES FOR THIS DISCIPLINE.
- 2. REFER TO SPECIFICATIONS.
- 3. ALL HEX NOTES NOT NECESSARILY USED ON ALL SHEETS.
- 4. EXISTING CONDUITS ROUTING IS UNKNOWN.
- 5. ALL WORK SHALL BE STRICTLY COORDINATED WITH CONVENTION CENTER STAFF.





HEX NOTES

- 1 remove existing switchboard main and prepare for reconnection of feeder to new MSB.
- $\langle 2 \rangle$ connect existing feeder to NeW MSB-2
- $\langle 3 \rangle$ disconnect existing feeders and conduit and prepare to reconnect to NeW MSB-2 distribution sections.
- 4 RECONNECT EXISTING FEEDERS AND CONDUIT AND PREPARE TO NEW BREAKERS IN NEW DISTRIBUTION SECTION. PROVIDE ALL ELECTRICAL AS REQUIRED TO FACILIATE REPLACEMENT OF DEISTUVTION SECTIONS.



















ELEVATION - MSB1 (EXISTING) NOT TO SCALE



				мсс
a 🗀 100a	С	AM 🗆	100A	
🗆 100A	Η	I1A 🗆	60A	
□ 60A	S	PARE 🗀	60A	1200A
DP1E		300A		
DP1C		400A		
H1A1		250A		
DP1D		225A		
L1A		225A		
DP1H		225A		



 $\langle 4 \rangle$

NOT TO SCALE

<u>GENERAL NOTES</u>

1) REFER TO GENERAL NOTES FOR THIS DISCIPLINE.

2) REFER TO SPECIFICATIONS.

- NO MULTI-WIRE BRANCH CIRCUITS ARE TO BE USED. EACH CIRCUIT IS TO HAVE SEPARATE INDIVIDUAL NEUTRAL.
- 4) ALL HEX NOTES NOT NECESSARILY USED ON ALL SHEETS.
- 5) EXISTING CONDUIT ROUTING IS UNKNOWN.
- WHERE CONDUIT ROUTING IS SHOWN, THE CONDUITS ARE SHOWN FOR DIAGRAMMATIC PURPOSES AND ARE NOT NECESSARILY REPRESENTATIVE OF EXACT PLACEMENT. 6)

ENLARGED PLAN - ELECTRICAL RM 96 (RENOVATION)



ELEVATION - MSB1 (NEW)

- HEX NOTES
- 1 remove existing switchgear main and prepare for reconnection of feeder to new MSB.
- $\langle 2 \rangle$ reconnect existing feeder to new MSB-1
- (3) DISCONNECT EXISTING FEEDERS AND CONDUIT AND PREPARE TO RECONNECT TO NEW MSB-1 SECTIONS.
- 4 RECONNECT EXISTING FEEDERS AND CONDUIT TO NEW BREAKERS IN NEW DISTRIBUTION SECTION. PROVIDE ALL ELECTRICAL AS REQUIRED TO FACILITATE REPLACEMENT OF DISTRIBUTION SECTIONS.
- 5 provide power monitoring system. Provide CAT-6 Homerun to TTB required by convention center staff.
- 6 PROVIDE NEW SURGE PROTECTIVE DEVICE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.



ELEVATION - MSB3 (EXISTING)

NOT TO SCALE

MCC3A 🗆 45A

XFMR 1TKD4 🖂 175A

DP3D 🗆 250A

H3A1 🗆 200A

L3A 🗆 350A

H3E 🗆 150A

ELEV 2 🖂 150A

H3C 🗆 225A

H3A 🗆 100A LOAD 🗔 100A

H3D 🗆 125A LOAD 🗆 60A

DP3G

□ 1200A





DP3F 🗆 1200A

MAIN 🗆 2000A









NOT TO SCALE

<u>GENERAL NOTES</u>

REFER TO GENERAL NOTES FOR THIS DISCIPLINE. 1)

2) REFER TO SPECIFICATIONS.

- 3) NO MULTI-WIRE BRANCH CIRCUITS ARE TO BE USED. EACH CIRCUIT IS TO have separate individual neutral.
- 4) ALL HEX NOTES NOT NECESSARILY USED ON ALL SHEETS.
- 5) EXISTING CONDUIT ROUTING IS UNKNOWN.
- 6) WHERE CONDUIT ROUTING IS SHOWN, THE CONDUITS ARE SHOWN FOR DIAGRAMMATIC PURPOSES AND ARE NOT NECESSARILY REPRESENTATIVE OF EXACT PLACEMENT.

- HEX NOTES
- 1 remove existing switchgear main and prepare for reconnection of feeder to new MSB.
- $\langle 2 \rangle$ reconnect existing feeder to new MSB-1
- 3 DISCONNECT EXISTING FEEDERS AND CONDUIT AND PREPARE TO RECONNECT TO NEW MSB-1 SECTIONS.
- 4 RECONNECT EXISTING FEEDERS AND CONDUIT TO NEW BREAKERS IN NEW DISTRIBUTION SECTION. PROVIDE ALL ELECTRICAL AS REQUIRED TO FACILITATE REPLACEMENT OF DISTRIBUTION SECTIONS.
- 5 PROVIDE POWER MONITORING SYSTEM. PROVIDE CAT-6 HOMERUN TO TTB AS REQUIRED BY CONVENTION CENTER STAFF.
- 6 PROVIDE NEW SURGE PROTECTIVE DEVICE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- $\overline{7}$ equipment to be relocated. See renovation plan.
- 8 NEW LOCATION OF RELOCATED EQUIPMENT.





ELEVATION - MSB2 (EXISTING) NOT TO SCALE

ELEVATION - MSB2 (NEW) NOT TO SCALE

<u>GENERAL NOTES</u>

REFER TO GENERAL NOTES FOR THIS DISCIPLINE. 1)

2) REFER TO SPECIFICATIONS.

- NO MULTI-WIRE BRANCH CIRCUITS ARE TO BE USED. EACH CIRCUIT IS TO HAVE SEPARATE INDIVIDUAL NEUTRAL.
- 4) ALL HEX NOTES NOT NECESSARILY USED ON ALL SHEETS.
- 5) EXISTING CONDUIT ROUTING IS UNKNOWN.
- 6) WHERE CONDUIT ROUTING IS SHOWN, THE CONDUITS ARE SHOWN FOR DIAGRAMMATIC PURPOSES AND ARE NOT NECESSARILY REPRESENTATIVE OF EXACT PLACEMENT.

HEX NOTES

- 1 remove existing switchgear main and prepare for reconnection of feeder to new MSB.
- 2 RECONNECT EXISTING FEEDER TO NEW MSB-1
- (3) DISCONNECT EXISTING FEEDERS AND CONDUIT AND PREPARE TO RECONNECT TO NEW MSB-1 SECTIONS.
- (4) RECONNECT EXISTING FEEDERS AND CONDUIT TO NEW BREAKERS IN NEW DISTRIBUTION SECTION. PROVIDE ALL ELECTRICAL AS REQUIRED TO FACILITATE REPLACEMENT OF DISTRIBUTION SECTIONS.
- 5 PROVIDE POWER MONITORING SYSTEM. PROVIDE CAT-6 HOMERUN TO TTB AS REQUIRED BY CONVENTION CENTER STAFF.
- 6 Provide New Surge protective device. Refer to specifications for additional requirements.
- $\langle 7 \rangle$ equipment to be relocated. See renovation plan.
- $\langle 8 \rangle$ New location of relocated equipment. 9 spare breaker. Equipment no longer in use.
- (10) CIRCUIT BREAKER CURRENTLY FEEDING THREE (3) 400A DISCONNECTS FOR SITE LIGHTING.
- (1) NEW CIRCUIT BREAKER TO RE-FEED EXISTING (3) 400A DISCONNECTS.



SECTION I WITH MAINS VOLTS L/N: COPYRIGHT ME, LLC 06/01/03 277 480 3 SURFACE QED-2-SQ D VOLTS PH.: PHASE : MOUNTING : TYPE : MFR : SWITCHBOARD: MSB 30 MLO(***) 3000 YES YES MCB SH.TRIP GFP <-----AIC RA SERIES RATED GENERAL NOTES: (1) ALL C.B.'S FEEDING HVAC EQUIPMENT TO BE HACR TYPE. (2) ALL C.B.'S FEEDING ELEV EQUIP TO BE SHUNT-TRIP TYPE. FULLY RATED (3) ALL C.B.'S FEEDING ELEV EQUIP TO BE SIZED AS REQ'D BY MFR. (4) ALL C.B.'S FEEDING HID LTG TO BE HID RATED. (*) NOTE: MAY REQUIRE FU (5) NO MULTIWIRE BRANCH CKTS ARE ALLOWED (6) NOT USED. (7) SECTION I TO INCLUDE MCB/MLO AND METERS TOTAL AMPS A PH TOTAL AMPS B PH TOTAL AMPS C PH ERROR CODE _____ SECTION II
 LOAD
 C.B.
 C.B.
 REF
 CKT.

 CONN
 TYPE
 AMPS
 AMPS
 AMPS
 POLE
 NOTE
 NO.

 14.0
 400
 3
 1
 DESCRIPTION FUTURE PANEL: DL3H ------FUTURE PANEL: DL3J 400 3
 ----- -----

 400
 3

 ----- -----

 2
 2
 FUTURE PANEL: DL3K 14.0 ------____ SPAC ------ ------SPACE
 SPACE
 3
 37
 38

 <

FEEDER SCHEDULE:			OCCC Phase I MEP Upgrades			DATE: 3/4/2013		COPYRIGHT	: ME, LLC 2009	VERSION: A3d	REV	REV: Jan 11, 2012	
FEEDER FEEDING AN SIZ		OCP AMP SIZE	VOLTS	FEEDER AMPACITY	FEEDER VOLTAGE DROP (%)	WIRE/PHASE	NEUTRAL WIRE	GROUND WIRE	EXTRA NEUTRAL	FEEDER MATERIAL	PARALLEL RUNS	Conduit Size (in)	SHORT CIRCUIT AMPS A1 PANEL
MSB 30		3000	480	3325	0.50%	#750 KCMIL	#750 KCMIL			COPPER	7	4	
MSB 31		4000	480	4275	0.52%	#750 KCMIL	#750 KCMIL			COPPER	9	4	

NOTES: 1) CONDUIT SIZE IS BASED ON 2008 N.E.C. FOR EMT, IMC, RMC, FLEXIBLE METAL, AND SCHED 40 PVC. IF ANY OTHER TYPE OF CONDUIT/TUBING IS USED, THE CONTRACTOR SHALL RESIZE CONDUIT AND SIZE AS REQUIRED TO COMPLY WITH THE N.E.C..

2) USE CABLE REDUCERS AT TERMINATIONS AS REQUIRED TO COORDINATE OVERSIZED PHASE OR NEUTRAL CONDUCTORS WITH TERMINATION LUG SIZE OR PROVIDE TERMINATION/LUGS SIZED FOR FEEDERS.

3) CONTRACTOR IS TO MEGGER TEST ALL FEEDERS PER SPECIFICATIONS.

		V	ERSION:	B2	RE	VISED:	10/18/1	2	WIDTH:	42.0	DEPTH:	36.0	SECTION I WITH MAINS			
													VOLTS L/N:	277		
SB 30									EXIS	TING	: <u>NO</u>		VOLTS PH.:	480		
													PHASE :	3		
3000									NEM	A 3R			MOUNTING : SU	JRFACE		
YES								DF	RAWOUT S	WBD :			TYPE :	2ED-2-		
YES								F	RONT ACC	CESS			MFR :	SQD		
							NOTES	AND REFERENCE NOT	ES:							_
	TING (**)-	>	>]									GENERAL NOTES:			
	65		KA(*)				MFR =	SIZE CB PER MFR. REC	OMMENDA	TIONS	5.		(1) ALL C.B.'S FEEDING H	VAC EQUIPMENT	TO BE	H
			KA				\$ = NE	W CB IN EXIST SPACE					(2) ALL C.B.'S FEEDING EI	LEV EQUIP TO BE	SHUN	ſ-'
							& = RE	PLACE EXIST CB WITH	NEW				(3) ALL C.B.'S FEEDING EL	LEV EQUIP TO BE	SIZED	A
UIRE FU	JLL RATIN	IG TO AC	HIEVE				SH = S	HUNT TRIP C.B.					(4) ALL C.B.'S FEEDING H	ID LTG TO BE HID	RATE).
							AF = A	RC FAULT CB					(5) NO MULTIWIRE BRANC	CKTS ARE ALL	OWED	
				J									(6) NOT USED.			_
													(7) SECTION I TO INCLUDE	E MCB/MLO AND N	METER	5
								OPTIONAL CALC	NO							_
								ACTUAL CONN LOAD		KVA		AMPS	TOTAL AMPS A PH			
								DEMAND		KVA		AMPS	TOTAL AMPS B PH			
								DIVERSITY		KVA		AMPS	TOTAL AMPS C PH			
								TRANSFORMER SIZE		KVA		/				
								INANSI ORMER SIZE		Ň						
																-
									WIDTH:	42	DEPTH:	36.00				_
скт.	СКТ.	REF	С.В.	С.В.		r	r	LOAD			1			LOAD		т
NO.	NO.	NOTE	POLE	AMPS	AMPS	AMPS	AMPS	DESCRIPTION			CONN	TYPE	DESCRIPTION	CONN	TYPE	1
1	2												FUTURE PANEL: DP3H		14.0	
3	4														14.0	
5	6														14.0	L
7	8												FUTURE PANEL: DP3J		14.0	L
9	10														14.0	L
11	12														14.0	Ļ
13	14												FUTURE PANEL: DP3K		14.0	Ļ
15	16														14.0	Ļ
17	18														14.0	Ļ
19	20												SPACE			Ļ
21	22															Ļ
23	24															╞
25	26												SPACE			╞
27	28										_					┝
29	30															┝
31	32												SFACE	<u> </u>		╀
33	34													 		┢
30	30								_				SBACE	<u> </u>		╀
30	30										+					┢
33	40	1	1	1	1	1	1						-		1	1

SECTION I WITH MAI				COPYE			06/01/0	2			V				10/18/1	2		DEDTH	60.0		
	277	J						00/01/0	0			•		52		VIOLD.	10/10/1	£	WIDTH: 44.0		00.0
																			EVICTING	. NO	
	480																		EXISTING	: <u>NO</u>	
PHASE :	3	-																			
MOUNTING :	SURFACE	-						MCB	_ ·	4000	-								NEMA 3R	: YES	
TYPE :	QED-2	-						SH.TRI	Р.	YES								DF	RAWOUTSWBD	: YES	
MFR :	SQD	-						GFP		YES	-							F	RONT ACCESS	:	
GENERAL NOTES: (1) ALL C.B.'S FEEDI (2) ALL C.B.'S FEEDI (3) ALL C.B.'S FEEDI (4) ALL C.B.'S FEEDI (5) NO MULTIWIRE B (6) NOT USED. (7) SECTION I TO INC	ENDERAL NOTES: NOTES AND REFERENCE NO ALL C.B.'S FEEDING HVAC EQUIPMENT TO BE HACR TYPE. SERIES RATED 65 KA(*) ALL C.B.'S FEEDING ELEV EQUIP TO BE SHUNT-TRIP TYPE. SERIES RATED 65 KA(*) ALL C.B.'S FEEDING ELEV EQUIP TO BE SIZED AS REQ'D BY MFR. FULLY RATED KA \$ = NEW CB IN EXIST SPACE ALL C.B.'S FEEDING HID LTG TO BE HID RATED. (*) NOTE: MAY REQUIRE FULL RATING TO ACHIEVE SH = SHUNT TRIP C.B. SH = SHUNT TRIP C.B. NOT USED. NOT USED. SECTION I TO INCLUDE MCB/MLO AND METERS OPTIONAL CALC															S AND REFERENCE NOT SIZE CB PER MFR. REC W CB IN EXIST SPACE PLACE EXIST CB WITH I HUNT TRIP C.B. RC FAULT CB	ES: OMMENDATION NEW	S.			
TOTAL AMPS A PH												ACTUAL CON				ACTUAL CONN LOAD	KVA		AMPS		
TOTAL AMPS B PH												DEMAND					KVA		AMPS		
TOTAL AMPS C PH															DIVERSITY	KVA		AMPS			
		-																TRANSFORMER SIZE	KVA		
		-																	\\\\		
SECTION II]																	WIDTH: 44	DEPTH:	60.00
														[]							
							C.B.	C.B.	REF	CKT.	CKT.	REF	C.B.	С.В.							
DESCRIPT	ION	CONN	TYPE	AMPS	AMPS	AMPS	AMPS	POLE	NOTE	NO.	NO.	NOTE	POLE	AMPS	AMPS	AMPS	AMPS	DESCRIPTION		CONN	TYPE
FUTURE PANEL: DP	ЗH		14.0				1200	3		1	2										
	-		14.0							3	4										
			14.0							5	6										
FUTURE PANEL: DP	3J		14.0				1200	3		7	8										
			14.0							9	10										
			14.0							11	12										
FUTURE PANEL: DP	3K		14.0				1200	3		13	14										
			14.0							15	16										
			14.0							17	18										
SPACE								3		19	20										
										21	22								_		
										23	24										
SPACE								3		25	26										
										20	28										
										20	30								_		
SPACE								3		31	32								_		
										33	34			<u> </u>		1					
										35	36										
SPACE								3		37	30								_		
										30	40										
-										<u></u>	42					1					
		1	1		1							1		1	1		1			1	



















POWER RISER DIAGRAM SERVICE NO. 3 (REFERENCE ONLY) NOT TO SCALE



POWER RISER DIAGRAM NEW SERVICES

NOT TO SCALE

HEX NOTES

(1) OWNER-DIRECT PURCHASED SWITCHGEAR WITH NEMA 3R ENCLOSURE. CONTRACTOR SHALL COORDINATE DELIVERY AND PROVIDE ALL ELECTRICAL AS REQUIRED FOR INSTALLATION.

3 REFER TO FEEDER SCHEDULES

PRIOR TO BID.

2 REFER TO PANEL SCHEDULES

REMODELING. 5) CONTRACTOR SHALL MAINTAIN CONTINUITY TO EXISTING DEVICES REMAINING. 6) ALL DISCONNECTING MEANS (SWITCHES) FEEDING FAN TERMINAL BOXES SHALL BE MOTOR RATED SWITCHES.

4) REWORK/RELOCATE EXISTING ELECTRICAL AS REQUIRED TO FACILITATE

1) REFER TO GENERAL NOTES FOR THIS DISCIPLINE.

GENERAL NOTES

2) REFER TO SPECIFICATIONS.

LEVEL 1





