## SLEC Cooling Tower Removal & Installation RFP# 2024-208 Questions & Answers – Revision 5 September 12, 2024

**1Q:** In the 2024-208 document in numerous places the term "factory-assembled multi-cell modular cooling tower" is used.

The existing wooden tower is a "field erected" cooling tower.

Does FMPA want a "factory-assembled multi-cell modular new cooling tower" or a "field erected" new cooling tower?

**1A:** Per the Scope of Work for RFP 2024-208 Part 1, section 1.01 Vision Statement the existing cooling tower is a field erected wooden structure. This structure is to be replaced with a factory-assembled modular cooling tower. All four cells of the exiting cooling tower are to be removed and replaced with factory-assembled modules.

**2Q:** According to the existing tower drawings the inlet header pipe centerlines are located vertically 15'-0" above the basin curb.

Can the new header centerline elevation move upward or must we maintain the existing location.

**2A:** Per section 2.03 Technical Tasks, Circulating Pump System & Water Piping Terminal Points With Isolation, the vendor may either use the existing piping arrangement or install new piping per their requirements. If the vendor chooses to modify the existing piping it is their responsibility to design and implement the modifications as part of their bid.

3Q: Can the new tower be taller with higher air inlets and fandeck heights?3A: The new tower must conform to the specifications laid out in sections 2.02 Performance Design Criteria and 2.03 Technical Tasks. There are no limitations placed on heights.

**4Q:** In reference to your answer to Question #1 in the attached Q&A document.

Please tell me if this is a true statement regarding RFP# 2024-208: SLEC will not accept the demolition and replacement of the existing cooling tower with a field erected fiberglass cooling tower for this project.

**4A:** RFP# 2024-208 is specifically for the tear down of the existing structure and its replacement with factory assembled modular units. RFP# 2024-202 is for the tear down of the structure and its replacement with a field erected structure. There are two separate RFP's for the two potential approaches.

# 5Q: Would you be able to provide the design conditions?GPM, Hot water temp, Cold water temp, Wet bulb temp

**5A:** Information already provided in packet under folder "As-Designed Performance". The file is attached for convenience.

This question/answer was also provided under RFP# 2024-202; noted below.

3A: 2.02 – What are the design conditions for the cooling tower? Please state this in terms of flow (gpm), HWT (F), CWT (F), and design WB (F).

**3A:** This information has/is already provided in original files on the SFTP site under folder "As-Designed Performance" as file "Cooling Tower Performance Curves", FMPA also strongly encourages vendors to also review the heat rate test data for the latest operating data under the folder "Heat Rate & Operation Data" - also in the original files on the SFTP site.

6Q: The operating conditions for the summer and winter operation periods are confusing and do not reflect ASHRAE Data for the area. Could you please expand?
6A: We use local plant monitoring equipment at all our plants for worst-case design basis and performance monitoring for taking cells in/out of service, etc.; if ASHRAE shows design conditions that would be a more extreme/robust design, then we certainly welcome that.

**7Q:** The cold water at the pump for a 87°F, is that for a tower operating at 50%? **7A:** All cells in operation at 100% design flow through cooling tower. This temperature is a very aggressive design goal for summertime operation, and we understand that the wet bulb temperature conditions may result in that temperature being a few degrees higher. We are looking for the best possible performance given our basin footprint with more air flow and will certainly evaluate/welcome justification for cold water temperatures that would creep into the lower 90's. We are looking for proof of due diligence (modeling) in quality design for a heat rate improvement and not just a parts changeout.

8Q: Total Fan Motor Power Conditions are not to exceed approximately 300hp, the current tower is operating with 400hp in total. Could you please expand?
8A: The currently installed fans are far behind the curve in modern-day fan efficiencies, which is why we are specifying Hudson fans and Shockwave fill that we have proven to be highly efficient in our fleet. We want the motors to operate under 300hp with the new fans.

**9Q:** Given the current size of the cold water basin there isn't much of a chance that we could make a tower run at the design point of 43725gpm with only 3 of the 4 cells operating for summer conditions.

**9A:** This ties back into the second question which we are looking for justification and are certainly welcoming evaluations.

10Q: Would you provide more detail of lighting requirements?10A: This can be addressed during the walkdown.

**11Q:** Motor frame size varies with manufacture and model. How important is it that we supply a Frame size 405T?

**11A:** The plant is potentially interested in reusing some equipment (such as motors, etc.), so as long as frames are able to be adaptable/modified for the currently installed equipment that's fine.

**12Q:** Installing VFDs is not typically within our scope of work. Is this an item we could not bid and not be disqualified?

**12A:** You would not be disqualified because our current VFD system is in good condition, so the plant may opt to reuse it. However, we would suggest adding into the bid a contractor that can handle this.

**13Q:** Is there any chance we could have more time to complete the scope of work?

13A: Is this referring to outage timeframe(s), or bid submittal?

14Q: Would you like a CTI performance test?

**14A:** We will be looking for the cost factors involved in all tests.

**15Q:** We're wondering if we could visit the site later this week with subcontractors if we have questions after tomorrow's Pre-Bid walkdown.

**15A:** No. Please note, per the instructions in the RFP and noted below, there is a REQUIRED pre-bid meeting/site walk down tomorrow morning. There will not be an additional date and time for bidders to visit the site. Please also note that bidders are not allowed on site or to interact with generation staff during the bid process, per Section 15 Interpretations and Addenda, Questions & Answers.

### <u>A Pre-Bid Meeting/On-site Walkdown at Sand Lake Energy Center is scheduled for 8:30 a.m.</u> on September 10, 2024.

16Q: Based on the clarification provided at the meeting; the limit of the electrical work is the basin wall. Various electrical lines are coming across the cable tray; we now anticipate rolling these back to the cable tray area and reconnecting them to the cooling tower's new equipment. Other lines on the fan deck feed the building on the north end of the tower. Can you provide schematics or identify all these lines so we can clarify the electrical scope?
16A: Drawings are attached.



24/33

1. ALL CONDUITS SHOWN ON THIS DWG. ARE PVC SCHEDULE 40 PER APCI. CONSTRUCTION SPEC, # 300.3.2.1 EXCEPT WHERE SHOWN. 2. COMBINATION UNFUSED DISC. SW. 4 SIZE 1 STARTER CONSISTING

SW. NEMA 4x . # H22105 \$(1) SQ D CLASS 8536 - NEMA 4x -SIZE 1 - 2 POLE - SINGLE + 120V STARTER # SCW21V02 - (3) ASSEMBLIES REQ D. (BY ELECTRICAL CONTRACTOR)

3. SAME AS NOTE # 2 EXCEPT WITH FIELD INSTALLED "ON-OFF" PUSH BUTTON-CLASS 9999 . # SA3 - (1) ASSEMBLY REQ'D. (BY ELECTRICAL CONTRACTOR)

4. ELEC. CONTRACTOR TO SUPPLY HT. TRACING CABLE (IOWATTS /FT) FOR PIPE #2"CH-308 \$1" CH-311 FROM 14.41 TANK TO CAUSTIC SYSTEM TANK FROUTE PER APCI STD. H303A. 5. STOP" PUSH BUTTON STATIONS TO BE ALLEN-BRADLEY

NEMA 4X # 800H-1HA4TL WITH EXTENDED GUARD #800T-NI3 & LEGEND PL. # W371. (BY ELEC. CONTR.)

#### TERMINAL BOX LEGEND

( SOLENOID VALVE TERM. BOXES (SUPPLIED BY SKIDVENDOR) (2) SIGNAL & JUNCTION TERM. BOXES (SUPPLIED BY SKID VENDOR) (CARBON FILTER MULTIPORT VALVE CONTROL BOX. (SUPPLIED BY SKID VENDOR)

④ 8 × 8 × 4 DP. JUNCTION BOX FOR BLDG. LIGHTING \$ BLDG. RECP'T. POWER. (SUPPLIED BY ELEC. CONTR.)

CONN. NG T-1 491 (CONN. N5) EL. 107'-6\* LT 4910 -15,A-61 4910

(PROBE ELEMENT)

(INDICATOR)

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-4	CABLE ND	FROM	ROUTING	то	CABLE SIZE	CABLE TYPE	REMARKS	CABLE LENGTH (FEET)		FRDM	ROUTING	
	M10	STEAM TURBINE MCC-UNIT IA	C - CABLE TRAY - C	14.91A-MISC. DRAINS PUMP	4/C#12	M6		350	M54	UTILITY MCC-UNIT 6A	C - CABLE TRAY - C	14.7
	MIL	STEAM TURBINE MCC-UNIT IF	C - CABLE TRAY - C	14.91B-MISC. DRAINS PUMP	4/C#12	MG		345	M55	UTILITY MCC-UNIT 7A	C - CABLE TRAY - C	142
	M12	STEAM TURBINE MCC-UNIT 1K	C - CABLE TRAY - C	10.21A-CONDENSATE PUMP	3/C#4	MS		325	M56	UTILITY MCC-UNIT 6T	C - CABLE TRAY - C	10.23
	M13	STEAM TURBINE MCC-UNIT 1R	C - CABLE TRAY - C	10.218-CONDENSATE PUMP	3/C#4	MS		315	M57	UTILITY MCC-UNIT 7H	C - CABLE TRAY - C	10.22
	M14	STEAM TURBINE MCC-UNIT 2A	C - CABLE TRAY - C	14.93A-CONDENSER PLT PP.	4/0#12	MG		345	MSB		C - CABLE TRAY - C	10.20
	M15	STEAM TURBINE MCC-UNIT 2F	C - CABLE TRAY - C	14.93B-CONDENSER PIT PP.	4/0#12	MG		350	M59	UTILITY MCC-UNIT 10A		10.22
	M16	STEAM TURBINE MCC-UNIT 2K	C - CABLE TRAY - C	14.31A-C.V. BOOSTER PP.	4/0#6	M5		325	M60			14.94
	M17	STEAM TURBINE MCC-UNIT 2R	C - CABLE TRAY - C	14.318-C.W. BOOSTER PP.	4/046	M5		305	M61-F			14.94
	M18	STEAM TURBINE MCC-UNIT 3A	C - CABLE TRAY - C	14.33A-COND. RETURN PP	4/1412	MG		200	MC1-P			5015/
	M19	STEAM TURBINE MCC-UNIT 3F	C - CABLE TRAY - C	14.33B-COND_RETURN_PP	4/6#12	MG		285	M62-F		C - CABLE TRAY - C	5015/
	M20	· · · · · · · · · · · · · · · · · · ·			- WOWIE			205	NG2-P			5015
	M21								MOCOR	UTILITY MCC-UNIT 10R	C - CABLE TRAY - C	5015
-	M22	STEAM TURBINE MCC-UNIT 44	C - CARLE TRAY - 62 - PR - C		A (CH10			- 055	M6.3	UTILITY MCC-UNIT IIF	C - CABLE TRAY - C	14.5
	M23	STEAM TURBINE MCC-UNIT 4E		11.32-S.J. MAIN HTDRAULIC PUMP	4/0#10	MO		255	M64	UTILITY MCC-UNIT TIK	C - CABLE TRAY - C	14.5
	M24	STEAM TURBINE MCC-UNIT 4K	C = CARE TRAY = 63 = P.B. = C	11.J2-S.T. AUXILIART HTDRAULTC PORP	4/0#10	Mb		200	M65	UTILITY MCC-UNIT 14A	C - CABLE TRAY - C	LUBE
	M25	STEAM TURBINE MCC-UNIT 4R	C - CADLE TRAT - 63 - P.B C	11.32-S.T. HYDRAULIC DIL REATERS	4/0812	MG	- DO NOT CONNECT	255	M66			
	Mac	STEAM TURBINE MCC UNIT 44	C - CABLE TRAT - 63 - P.B C	11.32-S.T. HYDRAULIC DIL FILTER PUMP	4/0#12	MG		255	M67	UTILITY MCC-UNIT 14K	C - CABLE TRAY - C	LUBE
4.	H27	STEAM TURBINE MCC-UNIT SA	C - CABLE TRAT - 52 - P.B C	11.40-S.T. LUBE DIL MAIN PUHP	4/C#8	M5		275	M68	1		_
4	H00	STEAM TORBINE MCC-UNIT OF	L - CABLE TRAY - 52 - P.B L	LI,40-S.T. LUBE DIL AUXILIARY PUMP	4/C#8	M5		275	M69	UTILITY MCC-UNIT 15A	C - CABLE TRAY - C	14.70A
(B	M28	13.21-125VDC START BLUG.	C - CABLE TRAY - 53 - P.B C	(5 HP)	3/C#8	MS	(DC MOTOR)	275	M70	UTILITY MCC-UNIT 15F	C - CABLE TRAY - C	14.701 PUHP
	M29	STEAM TURBINE MCC-UNIT 5K	C - CABLE TRAY - SZ - P.B C	11.40-S.T. LUBE DIL HEATERS	4/C#12	MG		275	M71	UTILITY MCC-UNIT 15K	C - CABLE TRAY - C	11.61
	M30	STEAM TURBINE MCC-UNIT SP	C - CABLE TRAY - [53] - P.B C	11.40-S.T. LUBE DIL EXHAUSTER	4/C#12	M6		290	M72	UTILITY MCC-UNIT 11A	C - CABLE TRAY - C	14.4
c	M31	STEAM TURBINE MCC-UNIT 6A	C - CABLE TRAY - C	11.42-GLAND STEAM EVACUATOR HOTOR	4/C#12	M6		340	M73	UTILITY MCC-UNIT 12A	C - CABLE TRAY - C	14.20
	M32	STEAM TURBINE MCC-UNIT 6F	C - CABLE TRAY - 48 - P.B C	11.51-TURB L.D. CONDITIONER FILTER PP.	4/C#12	MG		250	M74	UTILITY MCC-UNIT 7R	C - CABLE TRAY - C	14.2
	M33	STEAM TURBINE MCC-UNIT 6K	C - CABLE TRAY - 48 - P.B C	1153-TURB L.D. CONDITIONER TRANSFER PP.	4/C#12	MG		250	M75	UMILITY MCC-UNIT 8T	C - CABLE TRAY - C	14.2
	H34	STEAM TURBINE MCC-UNIT 6P	C - CABLE TRAY - 55 - P.B.J2 - C	01.40-STEAH TURB, TURNING GEAR HEITOR	4/C#10	MG		270	M76	UTILITY MCC-UNIT 8R	C - CABLE TRAY - C	14.2
	M35-F	STEAM TURBINE MCC-UNIT 7K	C - CABLE TRAY - 55 - P.B.J2 - 54 - C	M.D.V. 152 HP STEAM VALVE	4/C#12	M6	FORVARD	285	M77	UTILITY MCC-UNIT 12F	C - CABLE TRAY - C	14.20-
	M35-R	STEAM TURBINE MCC-UNIT 7K	C - CABLE TRAY - 55 - P.B.J2 - 54 - C	M.D.V. 152 HP STEAM VALVE	4/C#12	MG	REVERSE	285	M78	UTILITY MCC-UNIT 12K	C - CABLE TRAY - C	14.20
	M36-F	STEAM TURBINE MCC-UNIT 7R	C - CABLE TRAY - 55 - P.B.J2 - C	M.O.V. 252 HP STEAM VALVE	4/C#12	MG	FORWARD	285	M79			-
	M36-R	STEAM TURBINE MCC-UNIT 7R	C - CABLE TRAY - 55 - P.B.J2 - C	M.D.V. 252 HP STEAM VALVE	4/C#12	M6	REVERSE	285	M80	UTILITY MCC-UNIT 13A	C - CABLE TRAY - C	14.2
	M37	STEAM TURBINE MCC-UNIT BA	C - CABLE TRAY - C	TURB/GEN BUILDING VENT FAN BI HOTOR	4/C#12	MG		295	M81	UTILITY MCC-UNIT 13F	C - CABLE TRAY - C	14.2
-	M3B	STEAM TURBINE MCC-UNIT OF	C - CABLE TRAY - C	TURB/GEN. BUILDING VENT, FAN #2 HOTOR	4/C#12	MG		280	M82	UTILITY MCC-UNIT 13K	C - CABLE TRAY - C	14.20
B	M39	STEAM TURBINE MCC-UNIT BK	C - CABLE TRAY - C	TURB/GEN BUILDING VENT FAN 03 MOTOR	4/C#12	MG		295	M83	UTILITY MCC-UNIT 13P	C - CABLE TRAY - C	14.20
1	M40	STEAM TURBINE MCC-UNIT 8P	C - CABLE TRAY - C	TUR9./GEN BUILDING VENT FAN #4 HOTOR	4/C#12	MG		200	M84	UTILITY MCC-UNIT BA	C - CABLE TRAY - C	041
	M41	STEAM TURBINE MCC-UNIT 9A	C - CABLE TRAY - C	TURB/GEN BUILDING VENT. FAN #5 HOTOR	4/C#12	MG		215				
	M42	STEAM TURBINE MCC-UNIT 9F	C - CABLE TRAY - C	TURB./GEN. BUILDING VENT. FAN 86 HOTOR	4/CH12	MG		195				
	M43	STEAM TURBINE MCC-UNIT 9K	C - CABLE TRAY - C	TURB/GEN. BUILDING VENT FAN IT HOTOR	4/C#12	MG		215				_
	M44	STEAM TURBINE MCC-UNIT 9P	C - CABLE TRAY - C	TURB/GEN, BUILDING VENT, FAN 88 MOTOR	4/0#12	M6		195	-			_
	M45											
	M46											
	M47											
	M48											
	M49											_
в	M50-F	UTILITY MCC-UNIT 2A	C - CABLE TRAY - C	14.10A-COOLING TOVER FAN	4/682/0	M5	(FAST SPEED)	410	-			
	M20-2	UTILITY MCC-UNIT 2A	C - CABLE TRAY - C		4/0#2	M5		410	-			_
	HS1-F	UTILITY MCC-UNIT 3A	C - CABLE TRAY - C	14 10B-CODE ING TOVER FAN	4/082/0	MS	(FAST SPEED)	200			-	_
	M51-S	UTILITY MCC-UNIT 3A	C - CABLE TRAY - C	14 10B-CODE ING TOVER FAN	4/082	M5		300				
	M52-F	UTILITY MCC-UNIT 4A	C - CARLE TRAY - C		4/042/0	M5	(FAST SPEED)	300				
	M52-5	UTILITY MCC-UNIT 4A			4/082	M5		343				
	M53-F	UTTILITY MCC-UNIT 54			4/042/0	P1.3	VEAST SPEEDS	340	-			_
	M53-5	UTILITY MCC-UNIT 54		14.10D-CODE INC. TOWER FAN	4/082/0	CM NE	CEAL SPEED	295				_
1	L	STELLE NOU UNIT OF	C CHOLL INHI " L	IN TONE COULTING TOWER FAN	4/6#2	CM	VOLUM SAFEDI	592				

#### LEGEND

ROUTING EXAMPLE

CONDUIT

C - CABLE TRAY - 55 - C

CONDUIT

UNDERGROUND CONDUIT #55

C - ABOVEGROUND CONDUIT (SEE AREA PLAN FOR CONDUIT SIZE)

50 - UNDERGROUND CONDUIT (-7300D THRU -7305D)

-.FDR CABLE TYPE, SEE A.P.C.I. GENERAL CONSTRUCTION SPECIFICATION SECT. 300 - APPENDIX 2.

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В A

ECN NO. REV. ZONE

SAFETY.

SHEET

D B

DWG NO. 1-8011-7200

22/33

CABLE CABLE SIZE TYPE CABLE LENGTH (FEET) ТΟ REMARKS -CHILLER CW BOOSTER PUMP 4/CH2/0 M5 290 A-ASU CW BODSTER PUMP 4/C#6 М5 275 A-CONDENSATE TRANSFER PUMP 4/CH10 M6 265 B-CONDENSATE TRANSFER PUMP 4/CH10 M6 270 C-CONDENSATE TRANSFER PUMP 4/CH10 M6 275 A-CHILLER CONDENSATE RETURN PUMP 4/C#12 M6 265 B-CHILLER CONDENSATE RETURN PUMP 4/CH12 MG 265 -CIRCULATION WATER VALVE H.D.V. 4/C#12 M6 FORWARD 455 -CIRCULATION WATER VALVE MDV. 4/CH12 M6 REVERSE 455 B-CIRCULATION WATER VALVE HOV. 4/CH12 M6 FORWARD 440 -CIRCULATION WATER VALVE HILV. 4/CH12 M6 REVERSE 440\* A-DILY DRAIN PUMP 4/C#12 M6 300 IB-DILY DRAIN PUMP 4/C#12 M6 300 -BOILER FEED VATER PUNP LUBE DIL 4/CH12 M6 300 BUILER FEED WATER PUNP AUXILIARY 4/CH12 MG 310 -NEUTRALIZATION WASTE TRANSFER 4/C#12 М6 315 -NEUTRALIZATION WASTE TRANSFER 4/CH12 M6 315 -SCANNER COOLING AIR BLOVER 4/C#12 M6 180 1A-CAUSTIC TANK HEATER 4/C#12 MG 380 -CAUSTIC DAY TANK HEATER 4/C#12 MG 355 -HOT WATER TANK HEATER 4/C#6 M5 355 -ANION FEEDWATER PUMP #1 4/C#10 MG 330 -ANION FEEDWATER PUMP #2 4/C#10 M6 330 DEMINERALIZER CAUSTIC FEED PUMP 4/C#12 M6 350 -DEMINERALIZER ACID FEED PUMP 4/CH12 M6 355 D-DECARBONATION BLOWER #1 4/C#12 M6 345 DECARBONATION BLOWER #2 4/C#12 M6 345 -MIXED BED FILTER BLOWER #1 4/C#12 M6 320 -MIXED BED FILTER BLOVER #2 4/C#12 M6 320 -ELEC. CONTROL PANEL 4/C#8 M5 270 2/9/93 DG/JKM 022- 75-71 CHANGED M26, M27, M28 & M39 ISSUED FOR CONSTRUCTION 01/25/93 DG/JKM DJH KRM REVISION DESCRIPTION DATE BY CHK'D APPO UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: DATE TITLE D.GLEMBOCK I ALLENTOWN, PENNSYLVANIA ALLENTOWN, PENNSYLVANIA OAIr Froducts and Dimiticals lace, 1990 All rights more Uppolitished ELECTRICAL 1-13-93 FRACTION DECIMAL ANGLE CABLE SCHEDULE D.J.HUTH -26-93 5KV & 480V AC POWER HOLE LOCATION HOLE SIZE CHECKED 4.

DRLANDD COGEN FACILITY ORLANDO, FLORIDA FACILITY

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SCALE

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DRLN7200

ENGINEER

APPD

K.R.MOYER

PLANT

WT.

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		CABLE ND.	FROM	ROUTING	TÜ	CABLE CABLE SIZE TYPE	REMARKS	CABLE LENGTH (FEET)		FROM	ROUTING	то	CABLE	CABLE TYPE	REMARKS	CABLE
D         Image: mark with mark wi	- I.	A1	1321-POVER PANEL PP-G PDC BLDG.		13.11A-69KV INTERTIE BREAKER CONTROL CABINET	3/C#12 M6	CIR. G21 (A/C POWER)	90	A51	13.31-120/208V PP-J	C - CABLE TRAY - C	TERM, BOX C-L C.T. SAMP, BLDG	3/0812	M6		200
	D	MC AO	IJ21-POWER PANEL PP-G PDC BLDG	LABLE IRAY - 40	CABINET	3/C#12 M6	CIR. G22 (A/C POWER)	165	A52	13.31-120/208V PP-J	C - CABLE TRAY - C		3/0812	MC		380
		AJ	SUBSTA POC ILDG		1312-CONTROL PANEL ON GEN. STEP-UP	4/C#12 M6	CT CONNECTION	165	A53	13.31-120/208V PP-J	C - CABLE TRAY - C	14.23 LCL 120V STARTER	3/0412	MG	1422 MOTOR (J4H, J4N, GND)	270
Number         Number         Number Num Num Number Number Num Num Number Number Number Num Nu	- 1	A4	SUBSTA PDC BLOG	[3]	13.11A-69KV INTERTIE BREAKER CONTROL	4/C#12 M6	CT CONNECTION	105	A54	13.31-120/208V PP-J	C - CABLE TRAY - C	14.20 I CL BRINE PUMP STARTER	3/6812	MG	PRINE PINE MOTOR ( HOLL HOLL CUR	270
No.         No. <td></td> <td>CA</td> <td>SUBSTA PDC BLOG</td> <td>31</td> <td>13.11A-69KV INTERTIE BREAKER CONTROL</td> <td>4/C#12 M6</td> <td>CT CONNECTION</td> <td>105</td> <td>A55</td> <td>13.31-120/208V PP-J</td> <td>C - CABLE TRAY - C</td> <td>14.20 MV-4521 120V STARTER</td> <td>3/0412</td> <td>MC</td> <td>CATION SKID CHUR UNIN CHO</td> <td>255</td>		CA	SUBSTA PDC BLOG	31	13.11A-69KV INTERTIE BREAKER CONTROL	4/C#12 M6	CT CONNECTION	105	A55	13.31-120/208V PP-J	C - CABLE TRAY - C	14.20 MV-4521 120V STARTER	3/0412	MC	CATION SKID CHUR UNIN CHO	255
No.         No. <td>- 1</td> <td>A6</td> <td>SUBSTA PDC BLOG</td> <td>31</td> <td>13.11A-69KV INTERTLE BREAKER CONTROL</td> <td>4/C#12 M6</td> <td>CT CONNECTION</td> <td>105</td> <td>A56</td> <td>13.31-120/208V PP-J</td> <td>C - CABLE TRAY - C</td> <td>14.20 - AIT-4604/CIT-4500 ANAL</td> <td>3/0412</td> <td>no MC</td> <td>CATTUN SKID (JIIH, JIIN, GND)</td> <td>250</td>	- 1	A6	SUBSTA PDC BLOG	31	13.11A-69KV INTERTLE BREAKER CONTROL	4/C#12 M6	CT CONNECTION	105	A56	13.31-120/208V PP-J	C - CABLE TRAY - C	14.20 - AIT-4604/CIT-4500 ANAL	3/0412	no MC	CATTUN SKID (JIIH, JIIN, GND)	250
No.         No. <td>- 1</td> <td>A/</td> <td>SUBSTA POC BLOG</td> <td></td> <td>13.11A-69KV INTERTIE BREAKER CONTROL PANEL</td> <td>4/C#12 M6</td> <td>CT CONNECTION</td> <td>105</td> <td>A57</td> <td>13.31-120/208V PP-J</td> <td>C - CABLE TRAY - C</td> <td>14.20 - A1T-4529/CIT-4529 ANAL</td> <td>3/0412</td> <td>PID N/C</td> <td>UI24 JI2N GND</td> <td>250</td>	- 1	A/	SUBSTA POC BLOG		13.11A-69KV INTERTIE BREAKER CONTROL PANEL	4/C#12 M6	CT CONNECTION	105	A57	13.31-120/208V PP-J	C - CABLE TRAY - C	14.20 - A1T-4529/CIT-4529 ANAL	3/0412	PID N/C	UI24 JI2N GND	250
No.         No.         Digitary and constraints         Operations         Operati	-	BA	SUBSTA POC BLOG	31	13.11A-69KV INTERTIE BREAKER CONTROL PANEL	4/C#12 M6	SPARE CABLE	105	A58	13.31-120/208V PP-J	C - CABLE TRAY - C	14.20 - CIT-4571 ANAL Y7ED	3/0#12	P16	(JIDA JIDA GND)	230
No.         April 1         Ap	-	A9	SUBSTA POC BLOG		13.118-69KY GENERATOR BREAKER CONTROL PANEL	4/C#12 M6	CT CONNECTION	150	A59	13.31-120/208V PP-J	C - CABLE TRAY - C	14.20 - CIT-4622 ANALYZED	3/0#12	116	CJIAH JIAN GND	220
		A10	SUBSTA PDC BLDG		13.118-69KY GENERATOR BREAKER CONTROL PANEL	4/C#12 M6	CT CONNECTION	150	A60	13.31-120/208V PP-J	C = CABLE TRAY = C	14.20 - CIT-4649 ANALYZER	3/0412	P16	14-20-ACID REGEN SKID (JISH, JISH, GND)	275
N         N	14	All	SUBSTA PDC BLDG	41	13.118-69KV GENERATOR BREAKER CONTROL PANEL	7/C#12 M6	CT CONNECTION	150	A61	13.31-120/208V PP-J	C - CABLE TRAY - C	14.20 - LT-4910 DDUCD	3/1812	M6	CITCH JIGN GND	270
N         N	-	A12	SUBSTA PDC BLDG	41	13.118-69KV GENERATOR BREAKER CONTROL PANEL	4/C#12 M6	SPARE CABLE	150	A62	13.31-120/208V PP-J	C = CABLE TRAY = C		3/012	M6	14.41 TANK AREA (J17H, J17N, GND)	275
N         Normality in the state         Norm		A13	SUBSTA POC PLOG	38	13.13-UNIT AUXILIARY TRANSFORMER	4/C#12 M6	CT CONNECTION	95	A63	13.31-120/208V PP-1	$\Gamma = \Gamma \Delta R \Gamma \Gamma T R \Delta Y = C$	14 20 - AT-4801 PUVER	3/C#12	MG	NEUTRALIZATION SUMP (JIBH, JIBN, GND)	220
No.         No. <td></td> <td>A14</td> <td>SUBSTA PDC PLOG</td> <td>38</td> <td>13.13-UNIT AUXILIARY TRANSFORMER</td> <td>4/C#12 M6</td> <td>CT CONNECTION</td> <td>95</td> <td>A64</td> <td>13.31-120/208V PP-1</td> <td>C - CARLE TRAY - C</td> <td>14 10A C.T. FAN MIR. SP. HIR.</td> <td>3/0812</td> <td>M6</td> <td>COOLING TOVER (J19H, J19N, GND)</td> <td>325</td>		A14	SUBSTA PDC PLOG	38	13.13-UNIT AUXILIARY TRANSFORMER	4/C#12 M6	CT CONNECTION	95	A64	13.31-120/208V PP-1	C - CARLE TRAY - C	14 10A C.T. FAN MIR. SP. HIR.	3/0812	M6	COOLING TOVER (J19H, J19N, GND)	325
Image: Normal and the state of the		A15	SUESTA PDC PLDG	38	13.13-UNIT AUXILIARY TRANSFORMER	4/C#12 M6	CT CONNECTION	95	A65	13.31-120/208V PP-1	C - CABLE TRAY - C	14.108 C.T. FAN MIR, SP. HIR	3/0#12	M6	COOLING TOWER (J20H, J20N, GND)	290
No.         No. <td></td> <td>A16</td> <td>SUBSTA PDC BLDG</td> <td>38</td> <td>13.13-UNIT AUXILIARY TRANSFORMER</td> <td>4/C#12 M6</td> <td>CT CONNECTION</td> <td>95</td> <td>A66</td> <td>13.31-120/208V PP-1</td> <td>C = CABLE TRAY = C</td> <td>14 TOC C.T. FAN MIR SP. HIR</td> <td>3/0#12</td> <td>M6</td> <td>COOLING TOVER (J21H, J21N, GND)</td> <td>255</td>		A16	SUBSTA PDC BLDG	38	13.13-UNIT AUXILIARY TRANSFORMER	4/C#12 M6	CT CONNECTION	95	A66	13.31-120/208V PP-1	C = CABLE TRAY = C	14 TOC C.T. FAN MIR SP. HIR	3/0#12	M6	COOLING TOVER (J21H, J21N, GND)	255
No.         No. <td></td> <td>A17</td> <td>SUBSTA POC BLOG</td> <td>CABLE TRAY - 23 - C</td> <td>CONTRAL CUBICLE LYCT.</td> <td>4/C#10 M6</td> <td>CT CONNECTION</td> <td>270</td> <td>A67</td> <td>1331-120/208V PP-1</td> <td></td> <td>14.100 C.I. FAN MIR. SP. HTR.</td> <td>3/C#12</td> <td>M6</td> <td>COOLING TOWER (J22H, J22N, GND)</td> <td>220</td>		A17	SUBSTA POC BLOG	CABLE TRAY - 23 - C	CONTRAL CUBICLE LYCT.	4/C#10 M6	CT CONNECTION	270	A67	1331-120/208V PP-1		14.100 C.I. FAN MIR. SP. HTR.	3/C#12	M6	COOLING TOWER (J22H, J22N, GND)	220
No.         No. <td></td> <td>A18</td> <td>1321-POWER PANEL PP-G PDC BLDG C</td> <td>CABLE TRAY - 37</td> <td>13.13-UNIT AUXILIARY TRANSFORMER</td> <td>3/C#12 M6</td> <td>CONTROL POWER</td> <td>125</td> <td>468</td> <td>1331-120/208V PP-1</td> <td></td> <td>14.34 C.W. PUMP MTR. SP. HTR.</td> <td>3/CW15</td> <td>M6</td> <td>04.10 AREA (J23H, J23N, GND)</td> <td>225</td>		A18	1321-POWER PANEL PP-G PDC BLDG C	CABLE TRAY - 37	13.13-UNIT AUXILIARY TRANSFORMER	3/C#12 M6	CONTROL POWER	125	468	1331-120/208V PP-1		14.34 C.W. PUMP MTR. SP. HTR.	3/CW15	M6	04.10 AREA (J23H, J23N, GND)	225
P         P	-	A19	13-21-POVER PANEL PP-G PDC BLDG. C	CABLE TRAY	1321-PROTECTIVE RELAY PANEL IN SUBSTA	3/C#12 M6		80	469	13.31-120/208V PP-1		11.60 BURNER PANEL (DCS #3)	3/C#12	M6	KURTH END BUILER EL. 100'-0"	260
C         A         P         III. SUBJECT VELL         C         CALL         FM         EVEN VELL         SUBJECT VELL         C         CALL         FM         EVEN VELL         SUBJECT VELL         FM         EVEN VELL         FM         EVEN VELL         FM         FM        FM        FM        FM </td <td></td> <td>05A</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>A70</td> <td>1331-120/2007 PP-3</td> <td>C - CABLE TRAT - C</td> <td>14.64 SAMPLE PANEL (PWR NI)</td> <td>3/C#12</td> <td>MG</td> <td>14.64 BLDG. (J25H, J25N, GND)</td> <td>240</td>		05A							A70	1331-120/2007 PP-3	C - CABLE TRAT - C	14.64 SAMPLE PANEL (PWR NI)	3/C#12	MG	14.64 BLDG. (J25H, J25N, GND)	240
C         A         PP-C         Linkerstein         Ausset         PP-C         Linkerstein         Control         Contro         Control         Control <td>4</td> <td>15A</td> <td>PP-D IN SUBSTA. PDC BLDG C</td> <td>C - CABLE TRAY - 45</td> <td>13.12-GENERATOR STEP-UP TRANSFORMER</td> <td>4/C#12 M6</td> <td>480 V NORMAL FAN POVER</td> <td>135</td> <td>A71</td> <td>13.31 120/208V PP-1</td> <td></td> <td>14.64 SAMPLE PANEL (PWR #2)</td> <td>3/C#12</td> <td>M6</td> <td>14.64 BLDG. (J26H, J26N, GND)</td> <td>240</td>	4	15A	PP-D IN SUBSTA. PDC BLDG C	C - CABLE TRAY - 45	13.12-GENERATOR STEP-UP TRANSFORMER	4/C#12 M6	480 V NORMAL FAN POVER	135	A71	13.31 120/208V PP-1		14.64 SAMPLE PANEL (PWR #2)	3/C#12	M6	14.64 BLDG. (J26H, J26N, GND)	240
No.         No. <td>C 10</td> <td>A22</td> <td>PP-E IN SUBSTA PDC BLDG</td> <td>C - CABLE TRAY - 45</td> <td>13.12-GENERATOR STEP-UP TRANSFORMER</td> <td>4/C#12 M6</td> <td>480V STAND-BY FAN POWER</td> <td>135</td> <td>A72</td> <td>12 21-120 / 20 PV PP 1</td> <td>C - CABLE TRAT - C</td> <td>LS-101, LS-111 STM. DRUM LEVEL</td> <td>3/C#12</td> <td>M6</td> <td>STM. DRUM PLATF. (J27H, J27N, GND</td> <td>1) 275</td>	C 10	A22	PP-E IN SUBSTA PDC BLDG	C - CABLE TRAY - 45	13.12-GENERATOR STEP-UP TRANSFORMER	4/C#12 M6	480V STAND-BY FAN POWER	135	A72	12 21-120 / 20 PV PP 1	C - CABLE TRAT - C	LS-101, LS-111 STM. DRUM LEVEL	3/C#12	M6	STM. DRUM PLATF. (J27H, J27N, GND	1) 275
N         0.21-10-2007 MP-C PE LELE C - ARLE TON - C         NO.27782 Mp (MP-C) MP (MP-C)         NO.27782 Mp (MP-C) MP (MP-C)         NO.27782 Mp (MP-	-	A23	1321-PROTECTIVE RELAY PANEL IN	28	FUSE TERM BOX FEL ON PT SUPPORT	12/C#12 M6	PT FUSE CONNECTIONS	05	A72	13.31-120/208V PP-J	L - LABLE IRAY - C	LS-201, LS-211 STM. DRUM LEVEL	3/C#15	M6	STH. DRUM PLATF. (J28H, J28N, GND	n 260
No         1/21-16/2009 PP-2 K LND         C         C. CARCE TRAY - GA         DE COMBET VIA DE TIN RA ALE JOURNA DE LE VIA VIA DE LE VIA DE LA VI		A24	13.21-120/208V PP-G PDC BLDG. C	C - CABLE TRAY - 49 - P.B C	LI.SO-TERN BOX ON LUBE DIL	3/0410 46	LI.SO-TURIL LIL THCRH. & HEATER	0.5	M/3	13.31-120/208V PP-K	L - LABLE IRAY - C	DCS CAB. N7	3/C#12	MG	DCS #7 AIR COND. UNIT (KI4H, KI4N, GND)	) 180
PA         1/21-102/0009/PP-GC ELLG C         C-CALLE TAXY - (M         C/CALLET TAY I TO LAR ARG J/CALLET AS FM TO LAR ARG		A25	13.21-120/208V PP-G PDC BLDG. C	C - CABLE TRAY - 66	DCS CABINET N10 STM. TURB. AREA	3/0#12 M6	11.52-TURB. L.D. COND. VAP. EXTR. VIA	120	A75	13.31-120/208V PP-G	L - LABLE TRAY - C	14.30A C.W. MTR. SP. HTR.	3/C#10	M6	14.30A-HTR. SP. HTR. (G7H, G7N, GND)	520
P47         124-120/2009 PP-F VEC LIBS ( C - CARLE TAX - C         1444 (EVR. IDX - 3/C         9/C         1444 (EVR. IDX - 3/C		A26	13.21-120/208V PP-G PDC BLDG. C	C - CABLE TRAY - 66	DCS CABINET #10 STM. TURB. AREA	3/0812 M6	20405801 - 25H 25N 240	120	A75	13.31-120/208V PP-G	C - CABLE IRAY - C	14.30 B C.W. MTR, SP, HTR.	3/C#10	M6	14.30B-MTR. SP. HTR. (GBH, GBN, GND)	520
A/8         102-11% URL MAX KC UNIT MAX KC - CALLE TAAY - C         MAY FOR 2011 (10, 10, 10, 10, 10, 10, 10, 10, 10, 10,		A27	13.21-120/208V PP-F PDC BLDG. C	C - CABLE TRAY - 66	DCS CABINET #10 STM. TURB. AREA	3/C#12 M6		120	A70	13.31-120/208V PP-J	L - LABLE TRAY - C	14.44 TERM, BOX	3/C#6	M5	14.21A/B, 14.27A/B, 14.66 MOTORS	225
AP         D21-INT NUR. RC UIT # N.B. C         C. ABLE TRAY - C         H45 TERK B/L         L420/2 B/L         BP/L         AP/L         BP/L         BP/L        BP/L        BP/L         <		A28	1321-STH TURB HCC UNIT BA BLDG C	C - CABLE TRAY - C	VENT FAN CONT. STA. CSVEL STH. TURB. AREA	4/CH14 M6	VENT EAN CONTROL	220	A77	13.31-120/208V PP-J	L - LABLE TRAY - C	14.46 TERM. BOX	4/C#15	M6	14.29A/B, 14.67 MOTORS	205
A30         1221-155         NEW ACK OWT BE KIGS         C - CARLE TRAY - C         Work 2001 (00, 100)         200         PAT         1221-155         NEW ACK OWT BE KIGS         C - CARLE TRAY - C         Work 2001 (00, 100)         200         PAT         ALS 1221-1450 AM RE KG C - CARLE TRAY - C         Work 2001 (00, 100)         200         PAT         ALS 121-1450 AM RE KG C - CARLE TRAY - C         Work 2001 (00, 100)         PAT         ALS 121-1450 AM RE KG L - CARLE TRAY - C         LGL HS-5010B         2/2/182         M6         LGL HS-5010B         2/2/182         M6         LGL HS-5010F         PAT         <		A29	1321-STM. TURB. MCC UNIT OF BLDG C	C - CABLE TRAY - C	VENT FAN CONT. STA CSVFL STM THRE AREA	4/C#14 M6		320	A78	13.31-120/208V PP-J	C - CABLE TRAY - C	14.45 TERM. BOX	4/C#10	M6	14.28A/B PUMP MOTORS	205
A31         124-15h         NBR. MC UNIT P BLB. C - ABLE TRAY - C         C - CABLE TRAY - C         L C - SOBE         C - CABLE TRAY - C         L C - SOBE         C - CABLE TRAY - C         L C - SOBE         C - CABLE TRAY - C         L C - SOBE         C - CABLE TRAY - C         L C - SOBE         C - CABLE TRAY - C         L C - SOBE         C -		A30	1321-STH. TURB. HCC UNIT BK BLDG C	C - CABLE TRAY - C	VENT FAN CONT STA CSVF1 STH TIMB APFA	4/CH14 M6	VENT FAN CONTROL	056	A/9	13.31-120/208V PP-J	C - CABLE TRAY - C	14.20-14.63 LCL 120V STR.	3/C#12	M6	14.63 MOTOR (J8H, J8N, GND)	200
A22         1221-15M TUBBL ACC UNIT 98 LBG C - CABLE TRAY - C         UNIT 78 LBG C - CABLE TRAY - C         UNIT 78 LBG C - CABLE TRAY - C         UNIT 78 LBG C - CABLE TRAY - C         UL STOP P. B. STA (2P4, 3P6)         975           A33         1221-15M TUBBL ACC UNIT 98 LBG C - CABLE TRAY - C         UNIT 78 LBG C - CABLE TRAY - C         UNIT 78 LBG C - CABLE TRAY - C         UNIT 78 LBG C - CABLE TRAY - C         UL STOP P. B. STA (2P4, 3P6)         975           A34         1221-15M TUBBL ACC UNIT 98 LBG C - CABLE TRAY - C         UNIT 78 LBG ACC UNIT 98 LBG C - CABLE TRAY - C         UL STOP P. B. STA (2P4, 3P6)         975           A35         1221-15M TUBBL ACC UNIT 98 LBG C - CABLE TRAY - C         USAM TAB UNIT 78 LBG C - CABLE TRAY - C         UL STOP P. B. STA (2P4, 3P6)         975           A36         1221-15M TUBBL ACC UNIT 98 LBG C - CABLE TRAY - C         USAM TAB UNIT 78 LBG C - CABLE TRAY - C         UL STOP P. B. STA (1P3, 4P6)         975           A37         1221-15M TUBBL ACC UNIT 98 LBG C - CABLE TRAY - C         USAM TAB UNIT 78 LBG C - CABLE TRAY - C         UL STOP P. B. STA (1P3, 4P6)         975           A38         USAM TAB UNIT 78 LBG C - CABLE TRAY - C         USAM TAB UNIT 78 LBG C - CABLE TRAY - C         UL STOP P. B. STA (1P3, 4P6)         975           A39         USAM TAB UNIT 78 LBG C - CABLE TRAY - C         USAM TAB UNIT 78 LBG C - CABLE TRAY - C         UL STOP P. B. STA (1P3, 4P6)         9761           A30	1	A31	13.21-STH TURB HCC UNIT OP BLDG. C	C - CABLE TRAY - C	VENT FAN CONT. STA CSVEL STH TURB AREA	4/CH14 MG		320	A80	13.21-14 JUA MIR STARTER	C - CABLE TRAY - C	LCL HS-5010A	S/C#15	M6	LCL 'STOP' P.B. STA. (2M3 3M3)	375
A33         1321-15T         URL         C - CABLE TRAY - C         URL STORM CONTROL         0.000         2.000         0.0000         0.000         0.000         <		A32	1321-STH. TURB. HCC UNIT 94 BLDG C	C - CABLE TRAY - C	VENT FAN CINT, STA CSV22 STH THE AREA	4/C814 M6	VENT FAN CONTROL	320	A81	13.21-1430B MIR. STARTER	C - CABLE TRAY - C	LCL HS-5010B	2/C#12	M6	LCL "STOP" P.B. STA. (2M4, 3M4)	375
Add         1321-55M         URL NUML NUML NUML DISTONCE DISTONCE DISTONCE DISTONCE         PAGE         C. CABLE TRAY - C         1442-CC. SAMPLE BLIGG MR.         312         M         LCL 'STDP' P.B. STA. (UJ7, J70)         75           Add         1321-55M         NEBA NEBL NCC UNIT WAL AGG         C - CABLE TRAY - C         14100 LCL HS-5020B         2/CH12         MG         LCL 'STDP' P.B. STA. (UJ7, J70)         75           Add         1321-600V SUGG UNIT 20 RLDG         C - CABLE TRAY - C         14100 LCL HS-5020B         2/CH12         MG         LCL 'STDP' P.B. STA. (UJ7, J70)         75           Add         1321-600V SUGG UNIT 20 RLDG         C - CABLE TRAY - C         14100 LCL HS-5020D         2/CH12         MG         LCL 'STDP' P.B. STA. (UJ7, J70)         75           Add         1321-600V SUGG UNIT 20 RLDG         C - CABLE TRAY - C         14100 LCL HS-5020D         2/CH12         MG         LCL 'STDP' P.B. STA. (UJ7, J70)         75           Add         1321-600V SUGG UNIT 20 RLDG         C - CABLE TRAY - C         14100 LCL HS-5020D         2/CH12         MG         LCL 'STDP' P.B. STA. (UJ7, J70)         75           Add         DS2-555 AMB         CUIT 24 AMB         SCC ABA HIO-STN         CABLE TRAY - C         14100 LCL HS-5020D         2/CH12         MG         LCL 'STDP' P.B. STA. (UJ7, J70)         75         747	-	A33	1321-STH. TURB. MCC UNIT 9F BLDG. C	C - CABLE TRAY - C	VENT FAN CONT. STA. CSVE2 STM. TIME ANEA	4/CH14 MG		290	ABC	C.I. SAMPLE BLDG. TERM. BDX C-1	C	14.61-C.T. SAMPLE BLDG MTR	3#12	M3	LCL "STOP" P.B. STA. (1 J6, J6N)	75
A35         1221-511         TURE MC UNIT 39 RUG         C - CABLE TRAY - C         1410 A LCL M-3020A         2/2/18         M6         LCL STOPP PA STA (1M50, 6M50)         320           A36         1321-400Y SUGL UNIT 32 RUG         C - CABLE TRAY - C         1334-84 0X TIRK CA MIRA RUG         C - CABLE TRAY - C         1410 A LCL M-3020A         2/2/18         M6         LCL STOPP PA STA (1M50, 6M50)         320           A37         1321-400Y SUGL UNIT 32 RUG         C - CABLE TRAY - C         1410 A LCL M-3020A         2/2/18         M6         LCL STOPP PA STA (1M50, 6M50)         320           A37         1321-400Y SUGL UNIT 32 RUG         C - CABLE TRAY - C         1410 A LCL M-3020A         2/2/18         M6         LCL STOPP PA STA (1M50, 6M50)         320           A37         1321-410Y SUGL UNIT 32 RUG         C - CABLE TRAY - C         1410 A LCL M-3020A         2/2/18         M6         LCL STOPP PA STA (1M50, 6M50)         320           A33         1321-51X TURB MC CUNIT 30 RUG         C - CABLE TRAY - C         1410 A LCL M-3020A         2/2/18         M6         LCL STOPP PA STA (1M50, 6M50)         320           A44         1321-120/200X PP-X         C - CABLE TRAY - C         1410 ALCL M-3020A         2/2/18         M6         LCL STOPP PA STA (1M50, 6M50)         320           A44         1321-120/200X PP-X	- B -	A34	1321-STM TURB MCC UNIT 9K BLDG C	C - CABLE TRAY - C	VENT FAN CONT. STA CEVER STR. TORE AREA	4/CH14 MC		290	A83	C.T. SAMPLE BLDG. TERM. BOX C-1	C	14.62-C.T. SAMPLE BLDG MTR	3#15	MЗ	LCL "STOP" P.B. STA. (1J7, J7N)	75
A35         1231-400V SVGR. UNIT 3C BLOG         C - CABLE TRAY - C         1410 ALCL. HS-50208         2//182         M6         LCL: STOP P.B. STA (HS1, 6M5)         295           A37         1321-400V SVGR. UNIT 3C BLOG         C - CABLE TRAY - C         1410 ALCL. HS-50208         2//182         M6         LCL: STOP P.B. STA (HS1, 6M5)         295           A37         1321-400V SVGR. UNIT 3C BLOG         C - CABLE TRAY - C         1410 ALCL. HS-50200         2//182         M6         LCL: STOP P.B. STA (HS1, 6M5)         295           A37         1321-400V SVGR. UNIT 3C BLOG         C - CABLE TRAY - C         1410 ALCL. HS-50200         2//182         M6         LCL: STOP P.B. STA (HS1, 6M5)         295           A37         1321-4100 MR. BNC UNIT 3C BLOG         C - CABLE TRAY - C         1410 ALCL. HS-50200         2//182         M6         LCL: STOP P.B. STA (HS1, 6M5)         295           A39         M37 MAR MCCUNIT 300         C - CABLE TRAY - C         14.20 CL         14.20 CL         14.20 CL         2000         2//182         M6         DCL: STOP P.B. STA (HS1, 6M5)         205           A41         DSC CAB. H0-STH TUBB. ACCUNIT 300         C - CABLE TRAY - C         14.20 CL         14.20 CL         14.20 CL         2//182         M6         DCC: START-STOP (JAH, IJA)         105           A42         1232-1		A35	1321-STH TURB. HCC UNIT 9P BLDG C	C - CABLE TRAY - C	VENT FAN CONT STA CEVES STA TORE AREA	4/CH14 MC		290	A84	13.31-14 IOA MTR. STARTER	C - CABLE TRAY - C	14.10A LCL HS-5020A	5/C#15	M6	LCL "STOP" P.B. STA (1M50, 6M50)	> 330
A37         1321-480V SWGE WIT 3C BLG         C - CABLE TRAY - C         1410 LCL HR-S920C         2/2112         K         K         K         C INDINING         K		A36	1321-480V SVGR UNIT 3C BLDG C	C - CABLE TRAY - C	13 10-ARE GAS TIME MCC AA MONES IN MC	47 CW14 PI6	VENT FAN CUNTRUL	290	A85	13.31-14.10B MTR. STARTER	C - CABLE TRAY - C	14.10A LCL HS-5020B	2/0#15	M6	LCL "STOP" P.B. STA. (1M51, 6M51)	295
A38         121-51H. 1UR8. NCC. UNIT 90         C - CABLE TRAY - C         14.10 L LCL V5-5020         2/CHI         M6         LCL 'STOP' PA. STA (M53, 0453)         215           A39         121-51H. 1UR8. MCC. UNIT 90         C - CABLE TRAY - C         14.30 L LCL X5-50200         2/CHI         M6         LCL 'STOP' PA. STA (M53, 0453)         215           A39         121-51H. 1UR8. MCC. UNIT 90         C - CABLE TRAY - C         14.30 L LCL X5-50200         2/CHI         M6         LCL 'STOP' PA. STA (M53, 0453)         215           A39         121-51H. 1UR8. MCC. UNIT 90         C - CABLE TRAY - C         14.20 LCL X5-50200         2/CHI         M6         LCL 'STOP' PA. STA (M53, 0453)         215           A41         DCS CAB. #10-STH. TUR8. AREA         C         11.50-TDRN BOD LUBE DIL COMB StD         311-2         M3         C/CHI         M10         LSD-700 (JHL 1URA STATER)         2/CHI         M6         LCL 'STOP' PA. STA (H53, 0453)         215           A41         DCS CAB. #10-STH. TUR8. MCR AREA         C         C         CABLE TRAY - C         14.30 LCL RAY - C         14.43 LCL RAY - C         14.31 L 2LOX STATES         2/CHI         M6         LCL 'STOP' PA. STAT'STOP' (JHL 1JB)         105           A42         1321-127/2008 VP-FX         C - CABLE TRAY - C         14.43 LCL RAY - C         14.43 LCL RAY - C         <		A37	13.21-480V SWGR. UNIT 3C BLDG C	C - CABLE TRAY - C		3/C350HCH M5	MCC INCOMING POWER A, B, C, GNB.	115	A86	13.31-14.10C MTR. STARTER	C - CABLE TRAY - C	14.10A LCL HS-5020C	5/C#15	M6	LCL "STOP" P.B. STA. (1M52, 6M52)	) 260
A39         BY: Mail B SECEPTACE Dr C0. C-1         C         Cold         Use cond         Cold		A38	13.21-STH TURB MCC UNIT 90 C	C - CABLE TRAY - C	480V VELDING RECEPTACLE ON EDL C-4	DICHC ME	MUC INCUMING PUVER A, B, C, GND.	115	A87	13.31-14.10D MTR. STARTER	C - CABLE TRAY - C	14.10A LCL HS-5020D	5/C#15	M6	LCL "STOP" P.B. STA. (1M53, 6M53)	215
A40         DCS         CABLE         CAB		A39	480Y VELD RECEPTACLE DN COL C-I		GAS TURE AREA 480V VELDING RECEPTACLE ON COL. C-4	3/L#6 M5		260	A88	14.20-DCS CAB. #8	CABLE TRAY - C	14.22 LCL 120V STARTER	5/C#15	M6	DCS 'START-STOP' (J4H, IJ4)	105
A41         DCS CAB. #10-STH. TURB. AREA         C         Distance of columna stri         3/10         N/3         C/L (L		A40	DCS CAB. MIO-STM TURB AREA C		GAS TURB AREA	486 M3		165	A89	14.20-DCS CAB #8	CABLE TRAY ~ C	14.23 LCL 120V STARTER	5/C#15	M6	DCS 'START-STOP' (J5H, 1J5)	105
A42         1221-STM. TURB. MCC UNIT 124         C - CABLE TRAY - C         14.20 DEMIN. BLGG. JUNC. B0X         3/CH2         M6         A122-92/01 CMM-2806, 2805         130           A43         1321-STM. TURB. MCC UNIT 124         C - CABLE TRAY - C         14.20 DEMIN. BLGG. JUNC. B0X         3/CH2         M6         AIX COND. RECEPT. WISH, K15N, GND         285           A44         1321-120/208V PP-F         C - CABLE TRAY - C         14.10         BLGG. TERM. B0X C-1         3/CH2         M6         AIX COND. RECEPT. WISH, K15N, GND         285           A44         1321-120/208V PP-F         C - CABLE TRAY - C         14.10         BLGG. TERM. B0X C-1         3/CH2         M6         SC CAB. H1         M7         M1         M3.31-120/208V PP-K         C - CABLE TRAY - C         14.10         BLGG. TERM. B0X C-1         3/CH2         M6         AIX COND. RECEPT. WISH, K15N, GND         285           A45         1321-120/208V PP-F         C - CABLE TRAY - C         C - CABLE TRAY - C         14.10         BLGG. TER MDX C-1         3/CH2         M6         BLGG. CA & B H1         M5         M5         C - CABLE TRAY - C         14.10         BLGG. TER MDX C-1         M6         BLG CL TE VP-R         M1         BLG CL TE VP-R         M6         BLG CL TE VP-R         M6         BLG CL TE VP-R         M6         BLG CL TE VP-R		A41	DCS CAB. N10-STH. TURB. AREA C		LEA-TERM BUX ON LUBE OIL COND SKID	3#10 M3	LKI GIH, GIN, GND	130	A90	14.20-DCS CAB. #8	CABLE TRAY - C	14.63 LCL 120V STARTER	5/0#15	M6	CS 'START-STOP' (JBH, 1JB)	110
B         Ad3         1321-STM. TURB. HCC UNIT 12E         C - CABLE TRAY - C         GC DB2 TRAY - C <thgc -="" c<="" db2="" th="" tray="">         GC DB2 TRAY - C</thgc>		A42	1321-STH. TURB MCC UNIT 12A C	- CABLE TRAY - C	GAS TURE AREA DVERHEAD CRANE DISC SW	JALZ MJ	SUV~2801, LSHH-2806, 2805	130	A91	13.31-120/208V PP-K	C - CABLE TRAY - C	14.20 DEMIN. BLDG. JUNC. BOX	3/0#15	M6	AIR COND. RECEPT. (KISH, KISN, GND)	285
A44         1321-120/208V PP-F         C - CABLE TRAY - C         14.20 DEMIN. BLOG. JUNC. BDX         3/CH2         M-6         BLOG. LGT. & PWR. K17N, K17N, GND         285           A45         1321-120/208V PP-F         C - CABLE TRAY - C         14.20 DEMIN. BLOG. JUNC. BDX         3/CH2         M-6         BLOG. LGT. & PWR. K17N, K17N, GND         285           A45         1321-120/208V PP-F         C - CABLE TRAY - C         14.10 BLOG. TERM. BDX C-1         3/CH2         M-6         BLOG. LGT. & PWR. K17N, K17N, GND         285           A46         13.31-120/208V PP-K         C - CABLE TRAY - C         14.10 BLOG. TERM. BDX C-1         3/CH2         M-6         BLOG. LGT. & PWR. K17N, K17N, GND         285           A47         13.31-120/208V PP-K         C - CABLE TRAY - C         14.10 BLOG. TERM. BDX C-1         3/CH2         M-6         FIELD RUTE (K19H, K19N, GND)         570           A48         13.31-120/208V PP-K         C - CABLE TRAY - C         14.10 C.T. AREA RECEPT.         3/CH2         M-6         FIELD RUTE (K19H, K19N, GND)         570           A49         13.31-120/208V PP-K         C - CABLE TRAY - C         14.10 C.T. AREA RECEPT.         3/CH2         M-6         IEED RUTE (K19H, K19N, GND)         570           A49         13.31-120/208V PP-K         C - CABLE TRAY - C         C - CABLE TRAY - C         14.10	в	A43	1321-STM. TURB MCC UNIT 12E C	C = CABLE TRAY = C	COL. 0/35	3/C#2 M5		240	A92	13.31-120/208V PP-K	C - CABLE TRAY - C	14.10 BLDG TERM BOX C-1	3/C#12	M6	AIR COND. RECEPT. (KIGH, KIGN, GND)	380
Add         13.21-120/208V PP-K         C - CABLE TRAY - C         0.10 BLDG. TERM. BDX C-1         3/CB12         M6         0.5C CAB. H A IR COND. GT IAH, FIAN, GND         445           Add         13.31-120/208V PP-K         C - CABLE TRAY - C         0.10 BLDG. TERM. BDX C-1         3/CB12         M6         0.5C CAB. H A IR COND. GT IAH, FIAN, GND         3/25           Add         13.31-120/208V PP-K         C - CABLE TRAY - C         0.10 BLDG. TERM. BDX C-1         3/CB12         M6         BLDG. LTG. L PVR. (K1BH, K19N, GND         3/26           Add         13.31-120/208V PP-K         C - CABLE TRAY - C         0.10 C. TAREA LTGN         3/CB12         M6         D.5C CAB. H A IR COND. GT IAH, FIAN, GND         2/20           Add         13.31-120/208V PP-K         C - CABLE TRAY - C         14.10 C.T. AREA RECEPT.         3/CB12         M6         FIELD RUDTE (K20H, K20H, GND)         5/C           Add         13.31-120/208V PP-K         C - CABLE TRAY - C         C - CABLE TRAY - C         14.64 BLDG. JUNCTION BDX         3/CB12         M6         BLD.G. LTG. K 20H, K20H, GND         5/C           Add         13.31-120/208V PP-K         C - CABLE TRAY - C         C - CABLE TRAY - C         14.64 BLDG. JUNCTION BDX         3/CB12         M6         BLD.G. LTG. K20H, K20H, K20H, GND         2/C           Add         13.31-120/208V PP-K		A44	1321-120/208V PP-F	- CARLE TRAY - 69	COL D-2	37CH2 M5		325	A93	13.31-120/208V PP-K	C - CABLE TRAY - C	14.20 DEMIN. BLDG. JUNC. BOX	3/C#12	MG	BLDG LGT. & PVR. (KITH, KITH, GND)	285
Add         13.31-120/208 VP-K         C - CABLE TRAY - C         0.5 C AB. HA         3/C H2         M6         0.5 C AB. HA IR COND. GT RA F I2A, GND. 3/35         A95         13.31-120/208 VP-K         C - CABLE TRAY - C         14.10 C.T. AREA LTG.         M6         FIELD ROUTE (K19H, K19N, GND. 570           A47         13.31-120/208 VP-K         C - CABLE TRAY - C         0.5 C AB. HA         M7 (2)         M6         0.5 C AB. HA IR COND. 0(12H, FI2A, GND. 0(2H, FI2A, GND. 2014)         C - CABLE TRAY - C         14.10 C.T. AREA LTG.         M6         FIELD ROUTE (K19H, K19N, GND. 570           A47         13.31-120/208 VP-K         C - CABLE TRAY - C         0.5 C AB. HA IR COND. 0(12H, K19N, GND. 2014)         270           A48         13.31-120/208 VP-K         C - CABLE TRAY - C         14.64 BLG. JUNCTION BUX         3/C B1         M6         IS.11-20/208 VP-K         C - CABLE TRAY - C         14.64 BLG. JUNCTION BUX         3/C B1         M6         SIG. FARA KIN, GND         270           A48         13.31-120/208 VP-J         C - CABLE TRAY - C         C - CABLE TRAY - C         C - CABLE TRAY - C         14.64 BLG. JUNCTION BUX         3/C B1         M6         BIC. FARA KIN, GND         270           A49         13.31-120/208 VP-J         C - CABLE TRAY - C         C - CABLE TRAY - C         14.64 BLG. JUNCTION BUX         3/C B1         M6         BIC. FARA KIN, G		A45	13.21-120/208V PP-F	C - CABLE TRAY - C	DCS CAD H4	3/C#12 M6	DCS CAB. BIL AIR COND. (FI4H, FI4N, GND)	445	A94	13.31-120/208V PP-K	C - CABLE TRAY - C	14.10 BLDG TERM BOX C-1	3/C#12	M6	BLDG LTG. & PVR. (K18H, K18N, GND)	380
A47         13.31-120/208 VP-K         C - CABLE TRAY - C         0.5 CABLE TRAY - C         0.5 CABLE TAR COND. (K114, K114, GND. 29)         496         13.31-120/208 VP-K         C - CABLE TRAY - C         14.0 C.T. AREA RECEPT.         3/C812         M6         VIEL         M60         VIEL         M6		A46	13.31-120/208V PP-K	- CARLE TRAY = C		3/C#12 M6	DCS CAB #4 AIR COND (FI2H, FI2N, GND)	335	A95	13.31-120/208V PP-K	C - CABLE TRAY - C	14.10 C.T. AREA LTG	3/C#12	M6	FIELD ROUTE (K19H, K19N, GND)	570
A48         13.31-120/208V PP-K         C - CABLE TAKY - C         0.5 CABLE TAKY - C <td></td> <td>A47</td> <td>13.31-120/20BV PP-K</td> <td></td> <td>DCS CAD HO</td> <td>3/C#12 M6</td> <td>DCS CAB. #1 AIR COND. (K11H, K11H, GND)</td> <td>290</td> <td>A96</td> <td>13.31-120/208V PP-K</td> <td>C - CABLE TRAY - C</td> <td>14.10 C.T. AREA RECEPT</td> <td>3/C#12</td> <td>M6</td> <td>FIELD ROUTE (K20H, K20N, GND)</td> <td>570</td>		A47	13.31-120/20BV PP-K		DCS CAD HO	3/C#12 M6	DCS CAB. #1 AIR COND. (K11H, K11H, GND)	290	A96	13.31-120/208V PP-K	C - CABLE TRAY - C	14.10 C.T. AREA RECEPT	3/C#12	M6	FIELD ROUTE (K20H, K20N, GND)	570
A49         I.3.1 - 120/208V PP-J         C - CABLE TRAY - C         M6         M712         M6         M712         M6         M712            <		A48	13.31-120/208V PP-K		DCS CAB #2	37C#12 M6	DCS CAB #2 AIR COND. (K12H, K12N, GND)	295	A97	1331-120/208V PP-K	C - CABLE TRAY - C	14.64 BLDG. JUNCTION BOX	3/C#12	M6	LTG & RECEPT. (K25H, K25N, GND)	250
AS0         IS31-120/208V PP-J         C - CABLE TRAY - C         IERM. BUX C-1 C.T. SAMP. BLDG, 3/CH12         M6         IA42 & I4A3 TANK HIRS. (J9H, J9A, GND)         380         A99         I.3.1-120/208V PP-K         C - CABLE TRAY - C         I.2.0 BLDG. PUWER PANEL         4/CH8         M5         BLDG. PUK. (S1H, K3H, K3H, K3H, K3H, K3H, K3H, K3H, K3		A49	13.31-120/208V PP-1		DUS LAB. NO	3/C#12 M6	DCS CAB. #5 AIR COND. (KL3H, KL3N, GND)	270	A98	1331-120/208V PP-K	C - CABLE TRAY - C	14.64 BLDG JUNCTION BOX	3/C#10	M6	AIR COND. UNIT (K27H, K27N, GND)	250
A 100 13.31-120/208V PP-6 C - CABLE TRAY - 71 - C 13.2V BUS DUCT SPACE HTR. 3/C#12 M6 1000 DUCT HTR GIGH, GIAN, GND 25		A50	1331-120/208V PP-1		TERM. BUX C-1 C.T. SAMP. BLDG.	3/C#12 M6	14.42 & 14.43 TANK HTRS. (J9H, J9N, GND)	380	A99	13.31-120/208V PP-K	C - CABLE TRAY - C	12.20 BLDG. POWER PANEL	4/C#8	M5	BLDG PVR. (K31H, K33H, K31N, GND)	215
	1				ILKM BUX L-1 C.T. SAMP. BLDG	3/C#12 M6	FOR 14.61 MTR (J6H, J6N, GND)	380	A100	13.31-120/208V PP-G	C - CABLE TRAY - 71 - C	132KV BUS DUCT SPACE HTR.	3/C#12	M6	1000W DUCT HTR (GIGH, GIGN, GND)	255

LEGEND

- O CABLE NUMBER
- CABLE TRAY (SEE CABLE TRAY SCHEDULE DWG.
- C -- CONDUIT (SEE AREA PLAN FOR CONDUIT SIZE)
- P.B. PULLBOX

T.B. - TERMINAL BOX

ROUTING EXAMPLE

C - CABLE TRAY - 55 - C - CONDUIT CONDUIT UNDERGROUND CONDUIT #55 -

A ECN NO. REV. ZON UNLESS OTHERWISE SPE-TOLERANCES ARE: FRACTION DECIMAL AN HOLE LOCATION HOLE

FOR CABLE TYPE, SEE A.P.C.I. GENERAL CONSTRUCTION SPECIFICATION SECT. 300 - APPENDIX 2.

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	All	WAS 4/C: A21	8 A22	VERE M5			4/16	/91	DI	A#-	nau	ſ
	CHA	NGED A42					2/9/	/93	DG/JKM	DJH	KRM	ľ
	122	UED FOR CONST	RUCTION	4			01/2	5/93	DG/JKM	HLD	KRN	
Ε			REVISIO	N DESCRIPTION			DA	TE	BY	СНК'Д	APPD.	
CI	FIED	D.GLEMBOCKI/ DRAWN JKM	DATE 1-13-93	nne E		ICAL			PROD	AIR	4.	
N + 1	GLE SIZE	D. J.HUTH CHECKED	1-26-93	LAI	AC SLE SL	.HEDU ;)	LŁ		ALLENTOW CAIP Products	N, PENNS) and Chemical Frights reserve Unsublished	LVANIA s, Inc, 1990	
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		ENGINEER		FILE	FACILITY	PLANT	DWG NO.	0.4	1 1 7	20.1	D REV.	
		K.R.MOYER	1-26-93	SCALE		WT.	1-8	U.	500			

24/22/93

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	FROM	ROUTING	το	CABLE SIZE	CABLE TYPE	REMARKS	CABLE LENGTH (FEET)	CABLE ND,	FROM	ROUTING
A101	13.31-120/208V PP-K	C - CABLE TRAY - C	14.20 CAUSTIC SYS. HT. TRACING	3/C#12	MG	PIPING HT. TRACE (K22H, K22N, GND)	270			
A102	TERM. BOX C-1 C.T. SAMPLE BLDG	c	14.42 TANK HTR. BOX	3#12	МЗ	PIPING HT. TRACE (JAH, JAN, GND)	35			
A103	TERM. BOX C-1 C.T. SAMPLE BLDG	c	14.43 TANK HTR. BOX	3#12	МЭ	PIPING HT. TRACE (J4H, J4N, GND)	45			
A104	STM. TURB. MCC UNIT BU	C - CABLE TRAY - C	21.52 SKID (SKY VV. PNL.)	3/C#6	M5	SKY PANEL FEEDER	225			
A105	LSIIL H.P. STH. DRUH PNL. ON BLR.	C - CABLE TRAY - C - P.B 98	LITTI CONT. RH. OPER./MAINT. BLDG	12/C#14	MG	H.P. STM. DRUM LEVEL INDICATOR	350			
A106	LS211 L.P. STH. DRUM PNL. ON BLR.	C - CABLE TRAY - C - P.B 98	LI211 CONT. RH. OPER./MAINT. BLDG	12/C#14	MG	L.P. STM. DRUM LEVEL INDICATOR	400			
A107	13.31-120/208V PP-J	C - CABLE TRAY - C	14.10 BLDG, TERM, BDX C-1	3/0812	M6	SPARE	380			
A108	13.31-120/208V PP-K	C - CABLE TRAY - C	14.10 BLDG. TERM. BOX C-1	3/C#10	MG	SPARE	380			
A109	13.31-120/208V PP-G	C - CABLE TRAY - C	10.50A BEV MTR. SP. HTR.	3/C#12	MG	10.50A-NTR SP. HTR. (GSH. GSN. GND)	250			
A110	13.31-120/208V PP-G	C - CABLE TRAY - C	10.50 B BEV MTR. SP. HTR.	3/0#12	MG	10.508-MTR SP. HTR. (GAH GAN GND)	275			
A111	13.31-120/208V PP-G	C - CABLE TRAY - C	10.50A BEN DIL RESV. HTR	3/0412	MG	IN THE ALL AND	250			
S112	13.31-120/208V PP-G	C - CABLE TRAY - C	10 50 B BEY DU RESY HTR	3/0#12	MG	IS SOR-DEV BIL DEEV UTD (COCH COCH CHIN	275			
A113	1321-5KV STR. 10 504 BEP	C - CABLE TRAY - C		2/0814	MC	STOP STA - DUG -7020D	200			
A114	1321-5KV STR 10508 BEP		10 50 P-L DCAL STOP STA. HS-3500A	2/0414	MC	STOP STA - DVD -7020D	300			
A115	12 31-UTU ITY MCC UNIT 14E			E/CH14	PIO	STUP STA DWB7021D	325			
A116	13 31-UTU ITY MCC UNIT 14P		TU.SUA-CUNT. STA. HS-3545A (LLL UNIT)	5/0814	MG	CUNT. CKT DVG7029D	250			
A117	13.31-OTICITY MCC UNIT 14P	C - CABLE TRAT - C	10.508-CUNT. STA. HS-35458 (LE. UNTT)	5/0414	MB	CUNT. CK1. ~ DWG7029D	275			
A117	13.21-STH. TURB. HCC UNIT SK	C - LABLE TRAT - [53]	11.40-CUNT STA. FUR L.D. HEATERS	6/0414	M6	CUNT. CKT DVG7025D	275			
BIIB	14.20-DCS CABINET NO	CABLE TRAT - L	1420-MV-4521 MULTI-PURT VALVE	5/0#15	M6	DCS "OFF-ON" CONTROL (1J11,2J11)	45			
A119	14.44-SKID TERM. BUX		DCS CABINET #2	7/C#12	MG	DCS CONTROL (211,311,411,511,111,2 SP.)	60			
A120	14.45-SKID TERM. BOX	с	DCS CABINET #2	5/0#12	MG	DCS CONTROL (1J3,2J3,3J3,2 SP.)	75			
A121	14.46-SKID TERM. BOX	с	DCS CABINET #2	5/0#12	M6	(.45 STSTSTSTSTSTSTSTSTSTSTSTSTSTSTSTSTSTST	70			
251A	13.21-400V SWGR. UNIT 2C BLDG.	CABLE TRAY	13.30-GT MCC INCOMING COMPT, MOD. AA BLDG	5/C#15	M6	REMOTE TRIP PUSHBUTTON	75			
A123	13.21-480V SVGR, UNIT 3C BLDG.	CABLE TRAY	13.31-UTIL HCC INCOMING COMPT. BLDG	2/C#15	MG	REMOTE TRIP PUSHBUTTON	285	·		
A124	STM. TURB. MCC UNIT 7K	C - CABLE TRAY - 53 - J2 - 54 - C	MOV152 HP STEAM VALVE	4/C#14	M6	XS0152/XSC152 *	285			
A125	STH. TURB. MCC UNIT 7R	C - CABLE TRAY - 55 - J2 - C	MOV252 HP STEAM VALVE	4/C#14	M6	XS0152/XSC152	285			
A126	UTILITY MCC UNIT LOK	C - CABLE TRAY - C	MOV5015A CIRC. WTR. VALVE	4/C#14	M6	XS05015A/XSC5015A	455			
A127	UTILITY MCC UNIT IOR	C - CABLE TRAY - C	MOV5015B CIRC, WTR. VALVE	4/C#14	M6	XSU5015B/XSC5015B	440			
A128	ICP-1	98 - P.B C - CABLE TRAY - C	11.60 SKID PANEL	2/C#14	M6	HS-7 MASTER TRIP	300			
A129	ICP-1	98 - P.B C - CABLE TRAY	MODULE AA (13.30 BLDG)	4/C#14	MG	HS-7 MASTER TRIP	350			
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CONDUIT

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O - CABLE NUMBER

ROUTING EXAMPLE

C - CABLE TRAY - 55 - C CONDUIT UNDERGROUND CONDUIT #55

C --- CONDUIT (SEE AREA PLAN FOR CONDUIT SIZE)

241

CABLE TRAY (SEE CABLE TRAY SCHEDULE DWG.

P.B. — PULLBOX

T.B. — TERMINAL BOX

FOR CABLE TYPE, SEE A.P.C.I. GENERAL CONSTRUCTION SPECIFICATION SECT. 300 - APPENDIX 2.

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B Α ECN NO. REV. ZONE UNLESS OTHERWISE SPEC TOLERANCES ARE: 

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