



LOCATION: SEE FLOOR PLAN
EXISTING NEW

PANEL "P10" SCHEDULE SPEC: SQUARE D, ITE, G.E.
COPPER BUS ALUMINUM BUS

CKT.	LOAD DESCRIPTION	WIRE	GRD.	COND.	POLE/TRIP	KVA A PHASE	KVA B PHASE	KVA C PHASE	POLE/TRIP	COND.	GRD.	WIRE	LOAD DESCRIPTION	CKT.
1	CHEF-1	12	12	1/2	20	0.3	-	-	30	-	-	-	TVSS	2
3	GAS VALVE	12	12	1/2	20	-	-	0.2	-	-	-	-	LOAD DESCRIPTION	4
5	SPARE	-	-	-	-	-	-	-	-	-	-	-	SPACE	6
7	CONVECTION OVEN	12	12	1/2	20	0.9	0.5	-	-	-	-	-	SPACE	8
9	RECEP. UNDER THE HOOD	12	12	1/2	20	-	-	0.6	0.8	0.1	0.8	-	REACH IN HEATED CABINET	10
11	SHUNT TRIP (FOR CKT. 3,7,9)	12	12	1/2	20	-	-	-	-	-	-	-	FIRE-RATED ROLLING DOOR	12
13	HOOD CONTROL PANEL/HIGHTS	12	12	1/2	20	0.8	0.3	-	-	0.2	1.2	12	COLD/RANA SERVING CABINET	14
15	SPARE	-	-	-	-	-	-	-	-	-	-	-	SPACE	16
17	MOTORIZED DAMPERS	12	12	1/2	20	-	-	-	-	0.5	-	-	SPACE	18
19	SPARE	-	-	-	-	-	-	-	-	-	-	-	SPACE	20
21	SPARE	-	-	-	-	-	-	-	-	0.2	-	-	WORK TABLE	22
23	FIRE SUPPRESSION SYSTEM	12	12	1/2	20	-	-	-	-	0.4	0.9	-	AHU-K-1	24
25	RECEP. IN DROP DOWN CORD	10	10	1/2	30	0.2	0.9	-	-	-	-	-	KEF-1	26
27	RECEP. IN DROP DOWN CORD	10	10	1/2	30	-	-	0.2	0.9	-	-	-	KEF-2	28
29	RECEP. IN DROP DOWN CORD	10	10	1/2	30	-	-	-	-	0.2	1.1	-	KEF-1	30
31	RECEP. IN DROP DOWN CORD	10	10	1/2	30	0.2	1.1	-	-	-	-	-	KEF-2	32
33	RECEP. IN DROP DOWN CORD	10	10	1/2	30	-	-	0.2	1.1	-	-	-	KEF-1	34
35	RECEP. IN DROP DOWN CORD	10	10	1/2	30	-	-	-	-	-	-	-	KEF-2	36
37	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	38
39	CU-K-1	6	10	1	45	-	-	1.4	-	-	-	-	KSF-1	40
41	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	42
43	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	44
45	AIR CURTAIN	12	12	1/2	20	4.4	-	-	-	4.4	0.6	-	REFRIGERATOR	46
47	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	48
49	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	50
51	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	52
53	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	54

ALL FEEDER CALCULATIONS ARE BASED ON THW/THW OR NOT MORE THAN 4 CONDUCTORS IN A RACEWAY

TOTAL KVA IS 32.6 KVA
TOTAL AMPERS IS 91 AMPS
ESTIMATED DEMAND LOAD= - AMPS

RATED VOLTAGE= 120/208 VOLTS 3 PHASE 4 WIRE EOPT. GRD. ISOL. GRD.
FEEDER SIZE IS: CABLE = SEE RISER BUSWAY

BRANCH POLES: 54 BRANCH BREAKERS= 22 KAIC
BUS RATING: 150 BRACING = 22 KAIC

ENCLOSURE: NEMA 1 NEMA 3R NEMA 4X CLASS () DIV ()
FEED LOCATION: TOP BOTTOM FEED THRU

NOTE: 1 SHUNT TRIP CONTROLLED BY HOOD CONTROL PANEL
2 CONTROLLED BY FIRE SUPPRESSION SYSTEM.

LOCATION: SEE FLOOR PLAN
EXISTING NEW

PANEL "DP1" SCHEDULE SPEC: SIEMENS S4
COPPER BUS ALUMINUM BUS

CKT.	LOAD DESCRIPTION	WIRE	GRD.	COND.	POLE/TRIP	KVA A PHASE	KVA B PHASE	KVA C PHASE	POLE/TRIP	COND.	GRD.	WIRE	LOAD DESCRIPTION	CKT.
1	PANEL P4	EX	EX	EX	50	7.0	5.0	-	50	EX	EX	EX	PANEL P5	2
3	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	4
5	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	6
7	PANEL P7	EX	EX	EX	50	5.0	5.0	-	50	EX	EX	EX	PANEL P9	8
9	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	10
11	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	12
13	PANEL P3	EX	EX	EX	50	5.0	5.0	-	50	EX	EX	EX	PANEL P6	14
15	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	16
17	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	18
19	PANEL P2	EX	EX	EX	50	5.0	5.0	-	50	EX	EX	EX	PANEL P8	20
21	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	22
23	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	24
25	TVSS	EX	EX	-	60	-	5.0	-	50	EX	EX	EX	PANEL P1	26
27	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	28
29	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	30
31	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	32
33	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	34
35	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	36
37	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	38
39	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	40
41	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	42
43	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	44
45	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	46
47	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	48

ALL FEEDER CALCULATIONS ARE BASED ON THW/THW OR NOT MORE THAN 4 CONDUCTORS IN A RACEWAY

TOTAL KVA IS 52.0 KVA
TOTAL AMPERS IS 156.0 AMPS
ESTIMATED DEMAND LOAD= - AMPS

RATED VOLTAGE= 120/208 VOLTS 3 PHASE 4 WIRE EOPT. GRD. ISOL. GRD.
FEEDER SIZE IS: CABLE = SEE RISER BUSWAY

BRANCH POLES: 48 BRANCH BREAKERS= EX KAIC
BUS RATING: 800 BRACING = EX KAIC

ENCLOSURE: NEMA 1 NEMA 3R NEMA 4X CLASS () DIV ()
FEED LOCATION: TOP BOTTOM FEED THRU

NOTE: 1 TEMPORARY WALK IN FREEZER

LOCATION: SEE FLOOR PLAN
EXISTING NEW

PANEL "EMDP" SCHEDULE SPEC: SIEMENS S5
COPPER BUS ALUMINUM BUS

CKT.	LOAD DESCRIPTION	WIRE	GRD.	COND.	POLE/TRIP	KVA A PHASE	KVA B PHASE	KVA C PHASE	POLE/TRIP	COND.	GRD.	WIRE	LOAD DESCRIPTION	CKT.
1	TVSS	EX	EX	-	60	-	9.9	-	125	1-1/2	6	1	PANEL P10	2
3	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	4
5	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	6
7	PANEL L	EX	EX	EX	125	8.9	7.5	-	125	EX	EX	EX	PANEL K	8
9	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	10
11	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	12
13	PANEL EM4	EX	EX	EX	200	12.6	10.6	-	150	EX	EX	EX	PANEL EM2	14
15	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	16
17	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	18
19	PANEL EM3	EX	EX	EX	200	12.6	12.6	-	250	EX	EX	EX	PANEL EM1	20
21	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	22
23	SPACE	-	-	-	-	-	-	-	-	-	-	-	SPACE	24

ALL FEEDER CALCULATIONS ARE BASED ON THW/THW OR NOT MORE THAN 4 CONDUCTORS IN A RACEWAY

TOTAL KVA IS 228.4 KVA
TOTAL AMPERS IS 629 AMPS
ESTIMATED DEMAND LOAD= - AMPS

RATED VOLTAGE= 120/208 VOLTS 3 PHASE 4 WIRE EOPT. GRD. ISOL. GRD.
FEEDER SIZE IS: CABLE = SEE RISER BUSWAY

BRANCH POLES: 24 BRANCH BREAKERS= EX KAIC
BUS RATING: 800 BRACING = EX KAIC

ENCLOSURE: NEMA 1 NEMA 3R NEMA 4X CLASS () DIV ()
FEED LOCATION: TOP BOTTOM FEED THRU

NOTE: 1 NEW BREAKER AND BRANCH CIRCUIT. MATCH CURRENT BREAKERS' AIC RATING.

LOCATION: SEE FLOOR PLAN
EXISTING NEW

PANEL "K" SCHEDULE SPEC: SIEMENS S1
COPPER BUS ALUMINUM BUS

CKT.	LOAD DESCRIPTION	WIRE	GRD.	COND.	POLE/TRIP	KVA A PHASE	KVA B PHASE	KVA C PHASE	POLE/TRIP	COND.	GRD.	WIRE	LOAD DESCRIPTION	CKT.
1	EX LOAD	EX	EX	EX	20	0.4	0.4	-	20	EX	EX	EX	EX LOAD	2
3	EX LOAD	EX	EX	EX	30	-	-	1.5	0.4	-	-	-	EX LOAD	4
5	EX LOAD	EX	EX	EX	20	-	-	1.5	0.4	-	-	-	EX LOAD	6
7	EX LOAD	EX	EX	EX	20	-	-	1.5	0.4	-	-	-	EX LOAD	8
9	EX LOAD	EX	EX	EX	20	-	-	0.4	0.4	-	-	-	EX LOAD	10
11	EX LOAD	EX	EX	EX	20	-	-	0.4	0.4	-	-	-	EX LOAD	12
13	EX LOAD	EX	EX	EX	20	-	-	0.4	1.9	-	-	-	EX LOAD	14
15	EX LOAD	EX	EX	EX	20	-	-	1.0	0.4	-	-	-	EX LOAD	16
17	EX LOAD	EX	EX	EX	20	-	-	1.0	0.4	-	-	-	EX LOAD	18
19	EX LOAD	EX	EX	EX	20	-	-	0.4	0.6	-	-	-	EX LOAD	20
21	EX LOAD	EX	EX	EX	20	-	-	1.1	0.6	-	-	-	EX LOAD	22
23	EX LOAD	EX	EX	EX	20	-	-	1.1	0.4	-	-	-	EX LOAD	24
25	EX LOAD	EX	EX	EX	20	-	-	1.0	0.4	-	-	-	EX LOAD	26
27	EX LOAD	EX	EX	EX	20	-	-	1.0	0.4	-	-	-	EX LOAD	28
29	EX LOAD	EX	EX	EX	20	-	-	1.0	1.1	-	-	-	EX LOAD	30
31	EX LOAD	EX	EX	EX	20	-	-	0.4	1.1	-	-	-	EX LOAD	32
33	EX LOAD	EX	EX	EX	40	-	-	2.0	0.4	-	-	-	EX LOAD	34
35	EX LOAD	EX	EX	EX	20	-	-	2.0	0.5	-	-	-	FIRE ALARM	36
37	EX LOAD	EX	EX	EX	20	-	-	1.0	0.4	-	-	-	EX LOAD	38
39	EX LOAD	EX	EX	EX	20	-	-	1.0	0.4	-	-	-	EX LOAD	40
41	EX LOAD	EX	EX	EX	20	-	-	-	0.1	-	-	-	TEMPORARY FREEZER LIGHTS	42

ALL FEEDER CALCULATIONS ARE BASED ON THW/THW OR NOT MORE THAN 4 CONDUCTORS IN A RACEWAY

TOTAL KVA IS 11.0 KVA
TOTAL AMPERS IS 92 AMPS
ESTIMATED DEMAND LOAD= - AMPS

RATED VOLTAGE= 120/208 VOLTS 3 PHASE 4 WIRE EOPT. GRD. ISOL. GRD.
FEEDER SIZE IS: CABLE = SEE RISER BUSWAY

BRANCH POLES: 42 BRANCH BREAKERS= 10 KAIC
BUS RATING: 125 BRACING = 10 KAIC

ENCLOSURE: NEMA 1 NEMA 3R NEMA 4X CLASS () DIV ()
FEED LOCATION: TOP BOTTOM FEED THRU

NOTE: 1 NEW BREAKER AND BRANCH CIRCUIT.

REVISIONS

NO.	DESCRIPTION	DATE
1	BUILDING DEPT. COMMENTS	03/29/16
2	KITCHEN REVISION	08/26/16
3	CMD COMMENTS	12/02/16

STAMP: [North Arrow]

PROJECT: KITCHEN RENOVATION TO NORTH HOMELESS ASSISTANCE CENTER
BROWARD COUNTY
1700 BLOUNT ROAD, POMPAHO BEACH, FL

FILE NO.: 15.012
DATE: 07/28/15
DRAWN BY: SBJ/PS/RT
CHECKED BY: GSJ

SHEET TITLE: PARTIAL RISER DIAGRAM AND PANEL SCHEDULES
SHEET NUMBER: E-103

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