PANEL "MDP" SCHEDULE

LOCATION: SEE FLOOR PLAN, SHEET E200 — ☐ EXISTING ■ NEW
SPEC: SQUARE D, ITE , G.E. — ■ COPPER BUS ☐ ALUMINUM BUS

CKT.	LOAD DESCRIPTION	TYPE	WIRE	GRD.	COND.	POLE/ TRIP	KVA A PHASE	KVA B PHASE	KVA C PHASE	POLE/ TRIP	COND.	GRD.	WIRE	LOAD DESCRIPTION	CKT.
-	SPD		-	-	-	-	- 15.0			70	1	8	4	PANEL "T" 2 - SECTION	2
3								- 15.0						VIA 45KVA XFMR	4
5									- 15.0						6
7	RTU-1		6	10	1	60	12.3 0.9			20	1/2	12	12	ENTRANCE/CORRIDOR LGTS.	8
9								12.3 1.0		20	1/2	12	12	RM. 103,104,106,107,108,109,110,111, LGTS.	10
11									12.3 1.0	20	1/2	12	12	RM. 113,114,116,116,117,119,120,121,122 LGTS.	12
13	RTU-2		4	8	1-1/4	70	15.5 2.0			20	1/2	12	12	BEIS MEDRASH LIGHTS	14
15								15.5 2.0		20	1/2	12	12	BEIS MEDRASH LIGHTS	16
17									15.5 1.4	20	1/2	12	12	BEIS MEDRASH LIGHTS	18
19	RTU-3		6	10	1	60	10.5 .35			150	2	6	1/0	POOL BOILER	20
21								10.5 .35							22
23									10.5 .35						24
25	RTU-4		3	8	1-1/4	100	23.7 .35			150	2	6	1/0	POOL BOILER	26
27								23.7 .35							28
29									23.7 .35						30
31	RTU-5		6	10	1	60	10.5 1.5			20	1/2	12	12	WATER HEATER	32
33								10.5 1.5							34
35									10.5 1.5						36
37	RTU-1-CU		12	12	1/2	20	1.6 40.0			225	2	4	4/0	PANEL "SH"	38
39								1.6 40.0						VIA 150KVA XFMR	40
41									1.6 40.0						42
43	EF-4 THRU EF-6		12	12	1/2	20	1.5 -			-	-	-	-	SPACE	44
45								1.5 -		-	-	-	-	SPACE	46
47									1.5 -	-	-	-	-	SPACE	48
49	SPARE		-	-	-	20	- -			-	-	-	-	SPACE	50
51	SPACE		-	-	-	-		- -		-	-	-	-	SPACE	52
53	SPACE		-	-	-	-			- -	-	-	-	-	SPACE	54
							SUBTOTAL 205.0	205.1	204.5						

ALL FEEDER CALCULATIONS ARE BASED ON:THIN/THWN CU. NOT MORE THAN 4 CONDUCTORS IN A RACEWAY

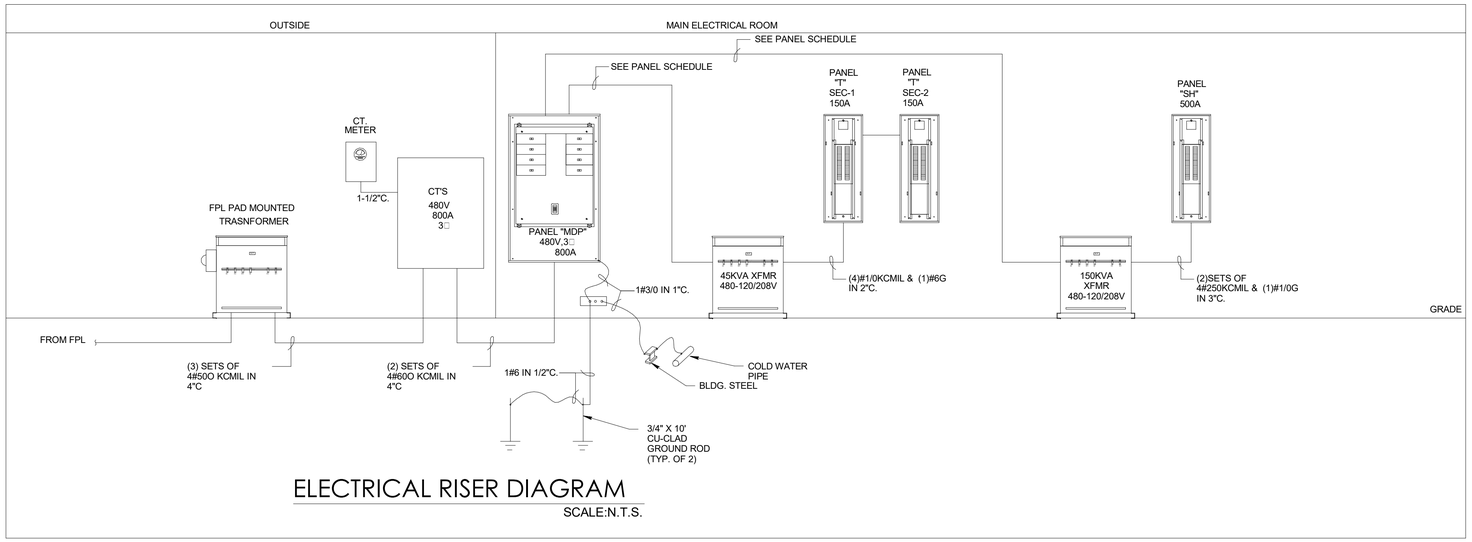
TOTAL KVA IS 614.6 KVA
TOTAL AMPERES IS 740 AMPS
ESTIMATED DEMAND LOAD= - AMPS

CIRCUIT TYPE : (AF) ARC FAULT (TS) TIME SWITCH CONTROL (ST) SHUNT TRIP (GF) GROUND FAULT (DE) DEDICATED (IG) ISOLATED GRD.

	POLE	TRIP	TYPE
MAINS: ☐ M.L.O. ■ BREAKER:	3	800	C.B.
BRANCH POLES: 54	BRANCH BREAKERS=	35	KAIC
BUS RATING: 800A	BRACING =	35	KAIC

RATED VOLTAGE= 120/208 VOLTS 3 PHASE 4 WIRE ■ EQPT. GRD. ☐ ISOL. GRD.
FEEDER SIZE IS: ■ CABLE = SEE RISER ☐ BUSWAY
MOUNTING: ■ SURFACE ☐ FLUSH ☐ FREE STANDING ☐ KEYED DOOR
NEUTRAL BUS IS: ☐ HALF SIZE ■ FULL SIZE ☐ K RATED (1.5) ☐ K RATED (2.0)
ENCLOSURE : ■ NEMA 1 ☐ NEMA 3R ☐ NEMA 4X CLASS ( ) DIV ( )
PANEL TYPE : ☐ FUSED ☐ CB PLUG IN ■ CB BOLT IN
GROUND BAR: ■ EQUIPMENT ☐ ISOLATED ☐ BOTH
FEED LOCATION: ☐ TOP ■ BOTTOM ☐ FEED THRU
FED FROM: ■ NORMAL ☐ EMERGENCY ☐ UNINTERRUPTABLE

NOTE:



ELECTRICAL RISER DIAGRAM

SCALE:N.T.S.

PANEL "SH" SCHEDULE

LOCATION: SEE FLOOR PLAN — ☐ EXISTING ■ NEW
SPEC: SQUARE D, ITE , G.E. — ■ COPPER BUS ☐ ALUMINUM BUS

CKT.	LOAD DESCRIPTION	TYPE	WIRE	GRD.	COND.	POLE/ TRIP	KVA A PHASE	KVA B PHASE	KVA C PHASE	POLE/ TRIP	COND.	GRD.	WIRE	LOAD DESCRIPTION	CKT.
1	SHOWER INSTA HOT		1/0	6	2	150	10.0 -			-	-	-	-	SPACE	2
3								10.0 -		-	-	-	-	SPACE	4
5	SHOWER INSTA HOT		1/0	6	2	150			10.0 -	-	-	-	-	SPACE	6
7							10.0 -			-	-	-	-	SPACE	8
9	SHOWER INSTA HOT		1/0	6	2	150		10.0 -		-	-	-	-	SPACE	10
11									10.0 -	-	-	-	-	SPACE	12
13	SHOWER INSTA HOT		1/0	6	2	150	10.0 -			-	-	-	-	SPACE	14
15								10.0 -		-	-	-	-	SPACE	16
17	SHOWER INSTA HOT		1/0	6	2	150			10.0 -	-	-	-	-	SPACE	18
19							10.0 -			-	-	-	-	SPACE	20
21	SHOWER INSTA HOT		1/0	6	2	150		10.0 -		-	-	-	-	SPACE	22
23									10.0 -	-	-	-	-	SPACE	24
							SUBTOTAL 40.0	40.0	40.0						

ALL FEEDER CALCULATIONS ARE BASED ON:THIN/THWN CU. NOT MORE THAN 4 CONDUCTORS IN A RACEWAY

TOTAL KVA IS 120.0 KVA
TOTAL AMPERES IS 333 AMPS
ESTIMATED DEMAND LOAD= - AMPS

CIRCUIT TYPE : (AF) ARC FAULT (TS) TIME SWITCH CONTROL (ST) SHUNT TRIP (GF) GROUND FAULT (DE) DEDICATED (IG) ISOLATED GRD.

	POLE	TRIP	TYPE
MAINS: ☐ M.L.O. ■ BREAKER:	3	500	C.B.
BRANCH POLES: 24	BRANCH BREAKERS=	22	KAIC
BUS RATING: 600A	BRACING =	22	KAIC

RATED VOLTAGE= 120/208 VOLTS 3 PHASE 4 WIRE ■ EQPT. GRD. ☐ ISOL. GRD.
FEEDER SIZE IS: ■ CABLE = SEE RISER ☐ BUSWAY
MOUNTING: ■ SURFACE ☐ FLUSH ☐ FREE STANDING ☐ KEYED DOOR
NEUTRAL BUS IS: ☐ HALF SIZE ■ FULL SIZE ☐ K RATED (1.5) ☐ K RATED (2.0)
ENCLOSURE : ■ NEMA 1 ☐ NEMA 3R ☐ NEMA 4X CLASS ( ) DIV ( )
PANEL TYPE : ☐ FUSED ☐ CB PLUG IN ■ CB BOLT IN
GROUND BAR: ■ EQUIPMENT ☐ ISOLATED ☐ BOTH
FEED LOCATION: ☐ TOP ☐ BOTTOM ■ FEED THRU
FED FROM: ■ NORMAL ☐ EMERGENCY ☐ UNINTERRUPTABLE

NOTE:

PANEL "T-SECTION-1" SCHEDULE

LOCATION: SEE FLOOR PLAN — ☐ EXISTING ■ NEW
SPEC: SQUARE D, ITE , G.E. — ■ COPPER BUS ☐ ALUMINUM BUS

CKT.	LOAD DESCRIPTION	TYPE	WIRE	GRD.	COND.	POLE/ TRIP	KVA A PHASE	KVA B PHASE	KVA C PHASE	POLE/ TRIP	COND.	GRD.	WIRE	LOAD DESCRIPTION	CKT.
1	ELECTRICAL ROOM RECEP.		12	12	1/2	20	0.6 1.1			20	1/2	10	10	COFFEE ROOM COFFEE MACH.	2
3	TEL. BOARD RECEPT.		12	12	1/2	20		0.4 0.8		20	1/2	10	10	COFFEE ROOM REFRIG.	4
5	TEL. BOARD RECEPT.		12	12	1/2	20			0.4 0.8	20	1/2	10	10	WARMING KITCHEN REFRIG.	6
7	CHEDER LIMUD		12	12	1/2	20	0.9 0.9			20	1/2	10	10	WARMING KITCHEN MICROWAVE	8
9	CHEDER LIMUD		12	12	1/2	20		0.6 0.1		20	1/2	12	12	RECIRCULATION PUMP	10
11	RABBI'S OFFICE RECEP.		12	12	1/2	20			0.7 2.5	30	1/2	10	10	WASHER/DRYER	12
13	MAIN ENTRANCE RECEP.		12	12	1/2	20	0.6 2.5								14
15	CORRIDOR RECEP.		8	8	3/4	20		0.9 1.3		20	1/2	10	10	EF-1 THRU EF-3	16
17	BATHROOM RECEP.		12	12	1/2	20			0.4 0.6	20	1/2	10	10	ROOF RECEPTACLES	18
19	BATHROOM RECEP.		12	12	1/2	20	0.4 0.8			20	1/2	12	12	CU-1 / AHU-1	20
21	COFFEE RM. / WRM. KIT. RECEP.		8	8	3/4	20		0.4 0.8							22
23	MIKVAH RECEP.		8	8	3/4	20			0.6 -	-	-	-	-	SPACE	24
25	SPARE		-	-	-	-	- -			-	-	-	-	SPACE	26
27	MIKVAH OFFICE RECEP.		8	8	3/4	20		- -		-	-	-	-	SPACE	28
29	WEST GENERAL PURP. RECEP.		8	8	3/4	20			0.6 -	-	-	-	-	SPACE	30
31	BEIS MEDRASH RECEP.		6	6	1	20	0.7 -			-	-	-	-	SPACE	32
33	BEIS MEDRASH RECEP.		6	6	1	20		0.4 -		-	-	-	-	SPACE	34
35	BEIS MEDRASH RECEP.		8	8	3/4	20			0.9 -	-	-	-	-	SPACE	36
37	SPACE		-	-	-	-	- -			-	-	-	-	SPACE	38
39	SPACE		-	-	-	-		- -		-	-	-	-	SPACE	40
41	BEIS MEDRASH RECEP.		6	6	1	20			1.1 -	-	-	-	-	SPACE	42
							SUBTOTAL 8.5	5.7	8.6						

ALL FEEDER CALCULATIONS ARE BASED ON:THIN/THWN CU. NOT MORE THAN 4 CONDUCTORS IN A RACEWAY

TOTAL KVA IS 22.8 KVA
TOTAL AMPERES IS 63 AMPS
ESTIMATED DEMAND LOAD= - AMPS

CIRCUIT TYPE : (AF) ARC FAULT (TS) TIME SWITCH CONTROL (ST) SHUNT TRIP (GF) GROUND FAULT (DE) DEDICATED (IG) ISOLATED GRD.

	POLE	TRIP	TYPE
MAINS: ☐ M.L.O. ■ BREAKER:	3	150	C.B.
BRANCH POLES: 42	BRANCH BREAKERS=	10	KAIC
BUS RATING: 250A	BRACING =	10	KAIC

RATED VOLTAGE= 120/208 VOLTS 3 PHASE 4 WIRE ■ EQPT. GRD. ☐ ISOL. GRD.
FEEDER SIZE IS: ■ CABLE = SEE RISER ☐ BUSWAY
MOUNTING: ■ SURFACE ☐ FLUSH ☐ FREE STANDING ☐ KEYED DOOR
NEUTRAL BUS IS: ☐ HALF SIZE ■ FULL SIZE ☐ K RATED (1.5) ☐ K RATED (2.0)
ENCLOSURE : ■ NEMA 1 ☐ NEMA 3R ☐ NEMA 4X CLASS ( ) DIV ( )
PANEL TYPE : ☐ FUSED ☐ CB PLUG IN ■ CB BOLT IN
GROUND BAR: ■ EQUIPMENT ☐ ISOLATED ☐ BOTH
FEED LOCATION: ☐ TOP ■ BOTTOM ■ FEED THRU
FED FROM: ■ NORMAL ☐ EMERGENCY ☐ UNINTERRUPTABLE

NOTE:

PANEL "T-SECTION-2" SCHEDULE

LOCATION: SEE FLOOR PLAN — ☐ EXISTING ■ NEW
SPEC: SQUARE D, ITE , G.E. — ■ COPPER BUS ☐ ALUMINUM BUS

CKT.	LOAD DESCRIPTION	TYPE	WIRE	GRD.	COND.	POLE/ TRIP	KVA A PHASE	KVA B PHASE	KVA C PHASE	POLE/ TRIP	COND.	GRD.	WIRE	LOAD DESCRIPTION	CKT.
1	SPACE		-	-	-	-	- -			-	-	-	-	SPACE	2
3	SPACE		-	-	-	-		- -		-	-	-	-	SPACE	4
5	SPACE		-	-	-	-			- -	-	-	-	-	SPACE	6
7	SPACE		-	-	-	-	- -			-	-	-	-	SPACE	8
9	SPACE		-	-	-	-		- -		-	-	-	-	SPACE	10
11	SPACE		-	-	-	-			- -	-	-	-	-	SPACE	12
13	SPACE		-	-	-	-	- -			-	-	-	-	SPACE	14
15	SPACE		-	-	-	-		- -		-	-	-	-	SPACE	16
17	SPACE		-	-	-	-			- -	-	-	-	-	SPACE	18
19	SPACE		-	-	-	-	- -			-	-	-	-	SPACE	20
21	SPACE		-	-	-	-		- -		-	-	-	-	SPACE	22
23	SPACE		-	-	-	-			- -	-	-	-	-	SPACE	24
25	SPACE		-	-	-	-	- -			-	-	-	-	SPACE	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
							SUBTOTAL XX.X	XX.X	XX.X						

ALL FEEDER CALCULATIONS ARE BASED ON:THIN/THWN CU. NOT MORE THAN 4 CONDUCTORS IN A RACEWAY

TOTAL KVA IS XXX KVA
TOTAL AMPERES IS XXX AMPS
ESTIMATED DEMAND LOAD= XXX AMPS

CIRCUIT TYPE : (AF) ARC FAULT (TS) TIME SWITCH CONTROL (ST) SHUNT TRIP (GF) GROUND FAULT (DE) DEDICATED (IG) ISOLATED GRD.

	POLE	TRIP	TYPE
MAINS: ■ M.L.O. ☐ BREAKER:	—	—	
BRANCH POLES: 42	BRANCH BREAKERS=	10	KAIC
BUS RATING: 400A	BRACING =	10	KAIC

RATED VOLTAGE= 120/208 VOLTS 3 PHASE 4 WIRE ■ EQPT. GRD. ☐ ISOL. GRD.
FEEDER SIZE IS: ■ CABLE = SEE RISER ☐ BUSWAY
MOUNTING: ■ SURFACE ☐ FLUSH ☐ FREE STANDING ☐ KEYED DOOR
NEUTRAL BUS IS: ☐ HALF SIZE ■ FULL SIZE ☐ K RATED (1.5) ☐ K RATED (2.0)
ENCLOSURE : ■ NEMA 1 ☐ NEMA 3R ☐ NEMA 4X CLASS ( ) DIV ( )
PANEL TYPE : ☐ FUSED ☐ CB PLUG IN ■ CB BOLT IN
GROUND BAR: ■ EQUIPMENT ☐ ISOLATED ☐ BOTH
FEED LOCATION: ■ TOP ☐ BOTTOM ☐ FEED THRU
FED FROM: ■ NORMAL ☐ EMERGENCY ☐ UNINTERRUPTABLE

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RISE | FL architecture

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CIVIL CONSULTANT:

REVISIONS:

NO.	DATE	DESCRIPTION

CLIENT: JAM EQUITIES

PROJECT NAME / LOCATION: OKEE - SHUL

PROJECT ADDRESS

DRAWING TITLE: RISER DIAGRAM AND PANEL SCHEDULES

EXAMINER'S SIGNATURE:

PROFESSIONAL SEAL:

Digitally signed by George SanJuan
Date: 2023.12.27 10:54:36 -05'00'

SCALE:

DATE:

PROJECT NO: NJ079.4

DRAWING NO: E105

BARCODE

THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE DRAWING. THE DRAWING SHALL NOT BE USED UNTIL SIGNED BY CONSULTANTS.

12/20/2023 6:15:45 PM