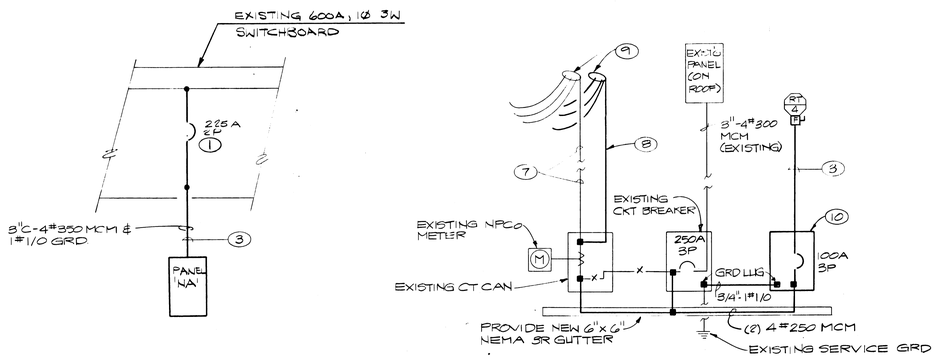
PANEL NA • 1Ø • 3 WIRE 120/240 VOLTS 225 A L.C. MOUNTING FLUSH

MINIMUM INTERRUPTING RATING 10,000 RMS SYM AMPS LOCATION STORAGE

POLE SP NO	CIRCUIT USE	CCT BKR RTG	CONNECTED LOAD VA Ø A	CONNECTED LOAD VA Ø B	CCT BKR RTG	CIRCUIT USE	POLE SP NO
⊕ 1	LIGHTING - EXTERIOR	20/1	1188		20/1	RECEPT. - DINING	2
3	- CORRIDOR OFFICES		540				
5	- DINING			1815		DINING	4
7	- TODDLERS		720	720		INFANTS	6
9	- INFANTS		1485	1485		INFANTS	8
11	- OFFICE STG'S LTS.		720	540		TODDLERS	10
13	FREEZER-COIL & LTS.		1188	1188		TODDLERS	12
15	DISHWASHER		540			MAINT.	14
17	FREEZER COMPR.			1560		OFFICE STG'S	16
19	RT-1	60/2	1440	1440		OFFICE STG'S	18
21			540	2352		ROOF	20
23	RT-2	60/2	540	540		CLASSRM	22
25			3456	3456	60/2	RT-3	24
27	WTR HEATER	30/2	3456	3456			26
29			2352	2352	20/1	SUMP PUMP	28
31	SPARE	20/1	360	870		RECEPT. - STG.	30
33						SPARE	32
35							34
37	SPACE					SPACE	36
39							38
41							40
							42
EXISTING MAX DEMAND ON SERVICE = 91A + 98A = 189			23765 46285	22520	CONNECTED LOAD = 198A		

⊕ PROVIDE PHOTOCELL AS REQUIRED TO CONTROL EXTERIOR LIGHTING



PARTIAL SINGLE LINE DIAGRAMS

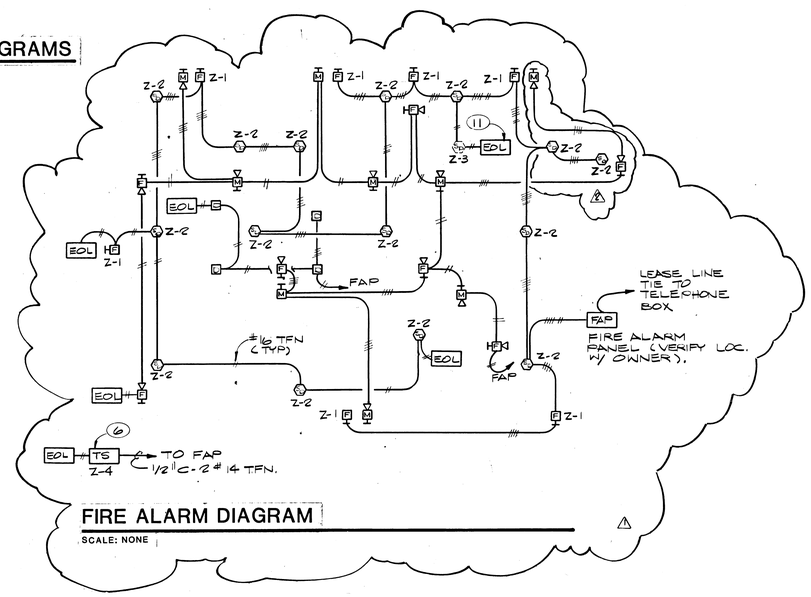
SCALE: NONE

LOAD CALCULATION

LOAD DESCRIPTION	VA
EXISTING 240V., 3 PHASE, 4 WIRE, 400A. SERVICE:	
EXIST'G A/C UNIT	10268
EXIST'G A/C UNIT	14674
EXIST'G A/C UNIT	17210
EXIST'G A/C UNIT	17210
EXIST'G A/C UNIT	17210
NEW A/C UNIT RT-4 (7.5 TON E/E)	17584
TOTAL VA=	52004
TOTAL KVA=	52
AMPS @ 120/240V., 3Ø, 4W=	217

SHEET NOTES:

1. PROVIDE NEW UNIT TO MATCH EXISTING.
2. MANUFACTURER'S PART NUMBERS ARE SHOWN TO DESIGNATE A STANDARD OF QUALITY AND ARE NOT TO BE CONSTRUED AS NOT ALLOWING SUBSTITUTIONS.
3. VERIFY OVERHEAD SURFACE ROUTING IN FIELD.
4. NOT USED.
5. NOT USED.
6. CONNECT FLOW/TAMPER SWITCH(ES) AS REQUIRED AT WATER VAULT(S). VERIFY LOCATION(S) AND REQUIREMENTS WITH EQUIPMENT SUPPLIER.
7. REMOVE EXISTING 4-350 MCM CONDUCTORS FROM EXISTING OVERHEAD RISER IN PREPARATION FOR RE-USE.
8. PROVIDE NEW 3" RISER W/WEATHERHEAD FOR NEW PARALLELED SERVICE DROP
9. PROVIDE NEW 250 MCM CONDUCTORS (2 PER Ø & NEUTRAL) W/6' PIGTAILS FOR CONNECTION TO NPCo SERVICE DROP (OH CONNECTIONS BY NPCo)
10. PROVIDE NEW 100A, 3P CIRCUIT BREAKER IN NEMA 3R ENCLOSURE
11. △ CONNECT TO DRY CONTACT IN SD FURN. UNDER DIV 15



FIRE ALARM DIAGRAM

SCALE: NONE

ELECTRICAL SYMBOL SCHEDULE

SYMBOL	DESCRIPTION
A, a	TYPICAL FIXTURE DESIGNATION: LIGHT FIXTURE TYPE, CIRCUIT NUMBER, SWITCHING
	RECESSED FLUORESCENT FIXTURE
	SURFACE FLUORESCENT FIXTURE
	FLUORESCENT FIXTURE ON NIGHT LIGHT CIRCUIT
	FLUORESCENT STRIP FIXTURE
	CEILING MOUNTED FIXTURE
	ADJUSTABLE DOWNLIGHT OR WALLWASHER
	WALL MOUNTED FIXTURE
	TRACK LIGHTING
	POLE MOUNTED FIXTURE
	FLOOD LIGHT
	EXIT LIGHT
	EMERGENCY LIGHT WITH TWIN HEADS
	DUPLEX RECEPTACLE @ 12"
	DOUBLE DUPLEX RECEPTACLE @ 12"
	DUPLEX RECEPTACLE - TOP HALF SWITCHED @ 12"
	GFI RECEPTACLE @ 12"
	RECEPTACLE MOUNTED ABOVE COUNTER-VERIFY HEIGHT
	FLOOR OUTLET WITH DEVICE AS INDICATED
	250V. RECEPTACLE @ 12"
	SPECIAL OUTLET - TYPE AS NOTED
	JUNCTION BOX SIZE PER N.E.C.
$	SINGLE POLE SWITCH @ 48"
$3	THREE-WAY SWITCH @ 48"
$M	MOTOR SWITCH WITH THERMAL OVERLOAD PROTECTION
$D	DIMMER SWITCH @ 48"
$a	SWITCH - "a" INDICATES SWITCHING
	CONDUIT CONCEALED IN CEILINGS OR WALLS
	CONDUIT CONCEALED UNDER FLOORS OR UNDERGROUND
	MATCH MARK FOR CONDUIT CONTINUATION
A-1, 3	CIRCUIT HOMERUN. "A" INDICATES PANEL, "1, 3" INDICATES POLE NUMBER.

SYMBOL	DESCRIPTION
	CROSS LINES INDICATE NUMBER OF #12 CONDUCTORS IF MORE THAN 3. NO CROSS LINES INDICATES 2 - #12 AND 1 #12 GRD. LONGER CROSS LINE INDICATES NEUTRAL CONDUCTOR. / INDICATES GROUNDING CONDUCTOR.
	SERVICE OR DISTRIBUTION PANEL
	LIGHTING AND BRANCH CIRCUIT PANEL - TOP 72"
	TERMINAL CABINET - TOP 72"
	NON-FUSED DISCONNECT SWITCH @ 48"
	FUSIBLE DISCONNECT SWITCH @ 48"
	MAGNETIC MOTOR STARTER OR CONTROLLER @ 48"
	COMBINATION STARTER/DISCONNECT SWITCH @ 48"
	TRANSFORMER
S	SPEAKER
	TELEPHONE OUTLET @ 12"
TV	TELEVISION OUTLET @ 12"
C	COMPUTER OUTLET @ 12"
	PUSHBUTTON @ 48"
	PHOTOELECTRIC CELL
2	ELECTRICAL SHEET NOTE DESIGNATION
EB	MECHANICAL CROSS REFERENCE
EC	EMPTY CONDUIT WITH PULL STRING
WP	WEATHERPROOF - NEMA 3R
PNL	PANELBOARD
UNSW	UNSWITCHED
AFF	ABOVE FINISHED FLOOR
	△ FIRE ALARM MINI-HORN
	△ SMOKE DETECTOR (SYSTEM POWERED)
	MAGNETIC DOOR HOLDER
	FIRE ALARM MANUAL PULL STATION @ 60"
	FIRE ALARM HORN @ 7'-6"

NOTE: MOUNTING HEIGHTS GIVEN ARE STANDARD. WHERE DIMENSIONAL NUMBER IS SHOWN AT OUTLET SYMBOL, THIS SHALL BE THE MOUNTING HEIGHT. MOUNTING HEIGHTS ARE TO CENTERLINE OF OUTLET UNLESS INDICATED OTHERWISE.

LIGHT FIXTURE SCHEDULE (2)

LETTER TYPE	DESCRIPTION	MOUNTING	FIXTURE WATTAGE	MANUFACTURER	SYLVANIA LAMPS	REMARKS
A	9"x4', 2 LAMP SURFACE MOUNTED WRAP AROUND	SURFACE	75	EQUAL TO KEENE WA 240-120V-LE	(2) F40 CW/SS	
B	14" x 4', 4 LAMP SURFACE MOUNTED WRAPAROUND	SURFACE	150	EQUAL TO KEENE WB440-120V-LE	(4) F40 CW/SS	
C	POLYCARB COMP FLUOR WALL BRACKET W/PRISM DIFFUSER	4'7'-6"	20	EQUAL TO HUBBELL NRG-128	FURN. W/ UNIT (AN PL)	
D	14" DIA WHITE ACRY. DRUM W/ WHITE HOLDER	SURFACE	70	EQUAL TO SEASCULL 79.9-15	(1) FC-12 T9/CW/ RS	
E	HID SHARP C/O BUILDING MOUNTED FLOOD	SURFACE	325	EQUAL TO KEENE CFT 250 LX	(1) LU 250	
X	INCANDESCENT EXIT SIGN W/ BATTERY PACK	UNIVERSAL	35	EQUAL TO SILTRON WX-ETS SERIES, FACES AS REQ'D.	FURN W/ UNIT.	

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27-177

PHASE I (VARIETY CLUB)

"D" STREET / JEFFERSON AVENUE

NEIGHBORHOOD FACILITY PROJECT

SCHEDULES, DETAILS & DIAGRAMS

drawn by: LF

issue dates:
11/3/88
11/22/88 bidding

revisions:
2/1/89 2nd. bidding
△ 6/7/89 RFS
△ 6/15/89 GEN. REV

job no.:

E.1

29

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