PANEL: NEW 3Ø PANEL P-6
LOCATION: UPSTAIRS SOUND AND LIGHT ROOM
FEEDER SOURCE: CLECO

VOLTAGE: 120/240V, 400A 3Ø, 4W
ENCLOSURE: SURFACE MOUNTED, 400A MB, W/EQUIP GND BAR
22000 AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (KVA)		LOAD (KVA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1		NEW A/C CONDENSING UNIT 15 TONS	80	3	9187		14064	3	90	NEW AIR HANDLING UNIT 15 TONS		2
3	#2				9187		14064					4
5					9187		14064					6
7							14064	3	90	NEW AIR HANDLING UNIT 15 TONS		8
9							14064					10
11							14064					12
13												14
15												16
17												18
19												20
21		SPARE	20	1	-		-	1	20	SPARE	-	22
23		EXISTING P-5 1Ø PANEL LIGHTING BOOTH	2	100	12,240		4,800	2	100	NEW P-7 1Ø PANEL ADDITION	-	24
25					12,240		4,920				-	26
27		SPACE	20	1	-						-	28
29		SPACE	20	1	-		-	1	-	SPACE	-	30

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED 1Ø LOAD (KVA)=56,222
STINGER CONNECTED LOAD (KVA)=20,827
AØ=54,475 BØ=37,315 CØ=54,355

GROUND BUS
GROUND WIRE (G)

PANEL: NEW 1Ø PANEL P-7
LOCATION: NEW BUILDING
FEEDER SOURCE: 400A PANEL

VOLTAGE: 120/240V, 200A 1Ø, 3W
ENCLOSURE: FLUSH MOUNTED, 100A MB, W/EQUIPMENT GND BAR
22000 AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (KVA)		LOAD (KVA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1	#12	RECEPTACLES IN THE EXIT CORRIDOR	20	1	960		960	1	20	RECEPTACLES IN THE MULTI-PURPOSE ROOM	#12	2
3	#12	RECEPTACLES IN THE MULTI-PURPOSE ROOM	20	1	960		800	1	20	RECEPTACLES IN THE MULTI-PURPOSE ROOM	#12	4
5	#12	JUNCTION BOX FOR NEW SIGN	20	1	1800		92	1	20	EXIT AND EMERGENCY LIGHTS	#12	6
7	#12	JANITOR'S CLOSET GFI RECEPTACLE AND EXTERIOR W. P. GFI RECEPTACLES	20	1	640		1248	1	20	2x4' FLUORESCENT LIGHTS IN THE MULTI-PURPOSE ROOM	#12	8
9	#12	2x2 FLUORESCENT LIGHTS IN EXIT CORRIDOR & JANITOR'S CLOSET LIGHT	20	1	408		800	1	20	EXTERIOR WALL-MOUNTED LIGHTS NEAR DOORS	#12	10
11	-	SPARE	20	1	-		1152	1	20	2x4' FLUORESCENT LIGHTS IN THE MULTI-PURPOSE ROOM	#12	12
13	-	SPARE	20	1	-		-	1	20	SPARE	-	14
15	-	SPARE	20	1	-		-	1	20	SPARE	-	16

NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (KVA)=9,720
AØ= 4,920 BØ= 4,800

GROUND BUS
GROUND WIRE (G)

PANEL: EXISTING 1Ø PANEL P-5
LOCATION: UPSTAIRS SOUND AND LIGHT ROOM
FEEDER SOURCE: 400A PANEL

VOLTAGE: 120/240V, 200A 1Ø, 3W
ENCLOSURE: SURFACE MOUNTED ML, W/EQUIPMENT GND BAR

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (KVA)		LOAD (KVA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1	-	SPOT LIGHT RECEPTICLES	20	2	1800		2880	2	30	AHU (EXISTING)	-	2
3	-				1800							4
5	-	FRONT OUTSIDE LIGHTS			1800		2880		30	CONDENSER (EXISTING)		6
7	-	FRONT LOBBY RECP.			1800		2880					8
9		SPACE					2880		30	MINI-SPLIT TICKET CENTER (EXISTING)		10
11		SPACE					2880					12
13		SPACE								SPACE	-	14
15		SPACE								SPACE		16

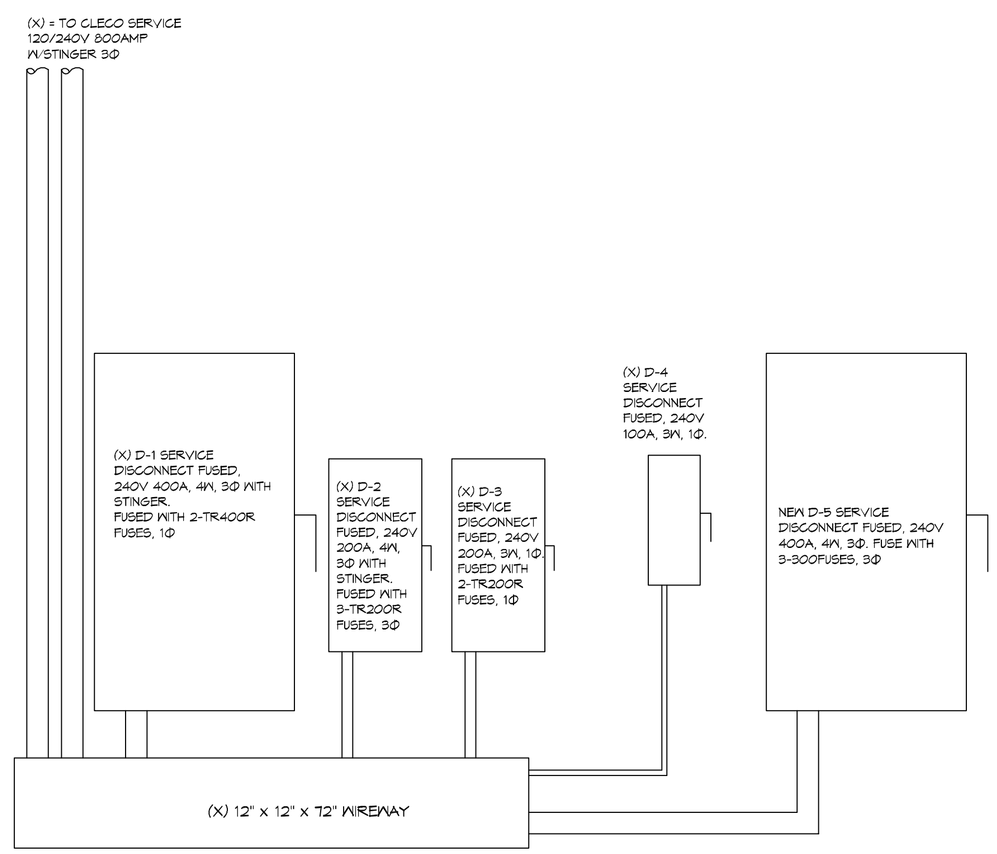
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (KVA)=24,480
AØ= 12,240 BØ= 12,240

GROUND BUS
GROUND WIRE (G)

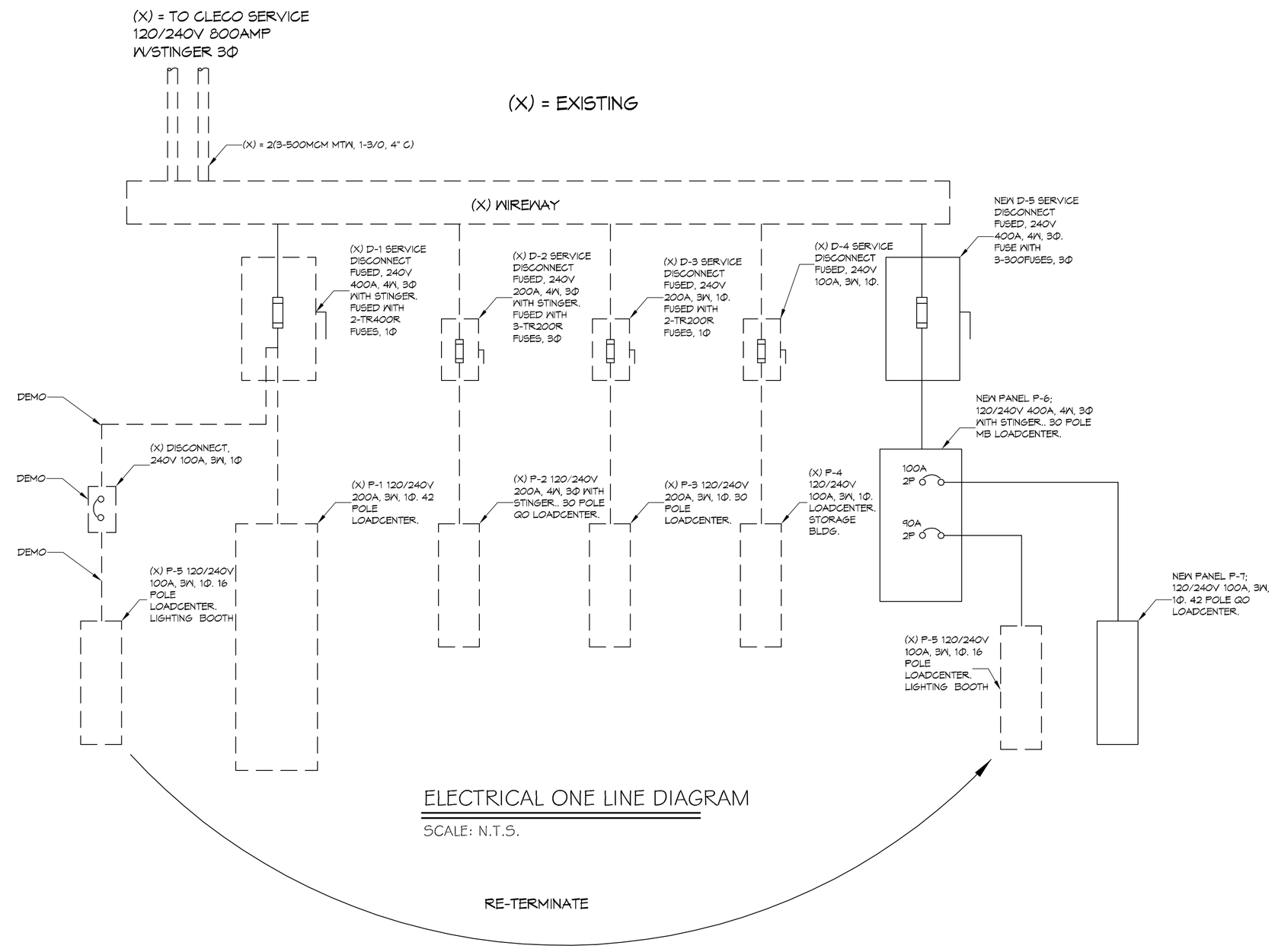
ELECTRICAL PANEL SCHEDULES

SCALE: N.T.S.



ELECTRICAL ELEVATION

SCALE: N.T.S.



ELECTRICAL ONE LINE DIAGRAM

SCALE: N.T.S.

REVISIONS	BY

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DRAWN	J.T.L.
CHECKED	C.K.D.
DATE	6/6/14
SCALE	NOTED
JOB NO.	
SHEET	E-3
OF	SHEETS