PANEL SCHEDULE

NUMBER: A (SI NOTE 1)
LOCATION: MAIN ELECTRICAL ROOM
FED FROM: MCC-1
NEMA 1 (SURFACE MOUNT)
VOLTS: 120/240V 1ø 3WIRE
SIZE: 225A.
MAIN LUGS ONLY

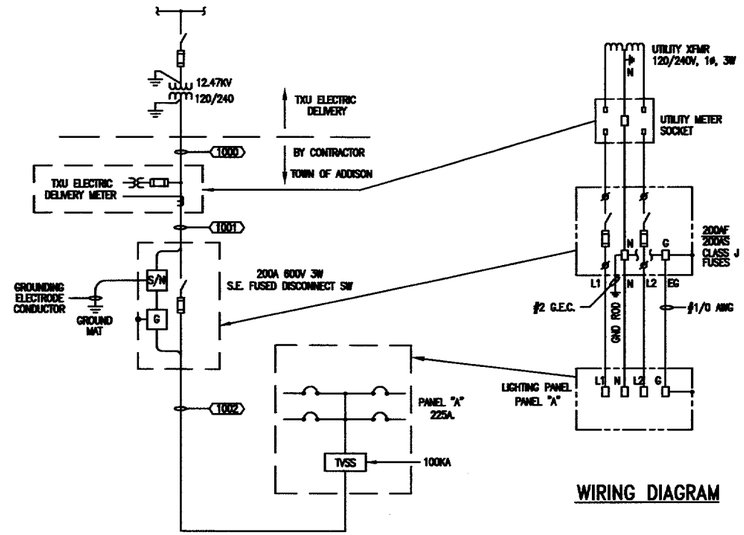
CIRCUIT DESCRIPTION	LOAD KVA	CKT BKR	CKT #	CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION
TEE HANGAR UNIT #1 LIGHTING AND RECEPTACLE	0.69	20	1	2	20	0.69	TEE HANGAR UNIT #2 LIGHTING AND RECEPTACLE
TEE HANGAR UNIT #3 LIGHTING AND RECEPTACLE	0.69	20	3	4	20	0.69	TEE HANGAR UNIT #4 LIGHTING AND RECEPTACLE
TEE HANGAR UNIT #5 LIGHTING AND RECEPTACLE	0.69	20	5	6	20	0.69	TEE HANGAR UNIT #6 LIGHTING AND RECEPTACLE
TEE HANGAR UNIT #7 LIGHTING AND RECEPTACLE	0.69	20	7	8	20	0.69	TEE HANGAR UNIT #8 LIGHTING AND RECEPTACLE
TEE HANGAR UNIT #9 LIGHTING AND RECEPTACLE	0.69	20	9	10	20	0.69	TEE HANGAR UNIT #10 LIGHTING AND RECEPTACLE
TEE HANGAR UNIT #11 LIGHTING AND RECEPTACLE	0.69	20	11	12	20	0.69	TEE HANGAR UNIT #12 LIGHTING AND RECEPTACLE
TEE HANGAR UNIT #13 LIGHTING AND RECEPTACLE	0.69	20	13	14	20	0.69	TEE HANGAR UNIT #14 LIGHTING AND RECEPTACLE
TEE HANGAR UNIT #15 LIGHTING AND RECEPTACLE	0.69	20	15	16	20	0.69	TEE HANGAR UNIT #16 LIGHTING AND RECEPTACLE
TEE HANGAR UNIT #17 LIGHTING AND RECEPTACLE	0.69	20	17	18	20	0.69	TEE HANGAR UNIT #18 LIGHTING AND RECEPTACLE
TEE HANGAR UNIT #19 LIGHTING AND RECEPTACLE	0.69	20	19	20	20	0.69	TEE HANGAR UNIT #20 LIGHTING AND RECEPTACLE
LIGHTING - EXTERIOR ROOF MOUNTED UNITS 10, 14, 18	1.24	20	21 23	22 24	20	.62	LIGHTING - EXTERIOR ROOF MOUNTED UNITS 2 AND 6
SPARE		20	25	26	20		SPARE
SPARE		20	27	28			
SPARE		20	29	30	20		SPARE
			TVSS				

MAIN BUS: TIN PLATED COPPER
TVSS: 120KA

NEUTRAL | GROUND

NOTES:

1. PANEL SCHEDULE FOR PANEL 'B' SAME AS PANEL 'A' EXCEPT LOAD FOR CIRCUITS B21/23 IS 0.93 KVA AND FOR CIRCUITS B22/23 IS 0.62 KVA.



ONE LINE DIAGRAM
TYPICAL 2 SERVICES

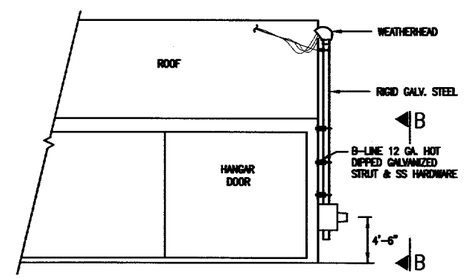
WIRING DIAGRAM

ONE LINE DIAGRAM LEGEND

	POWER TRANSFORMER
	CIRCUIT BREAKER
	FUSED DISCONNECT SWITCH
	GROUND WIRE
CPT PT	FUSED CONTROL POWER TRANSFORMER
G	G = GROUND
S/N	SOLID NEUTRAL

CONDUIT AND CABLE SCHEDULE FOR 120/240 VOLT POWER WIRING

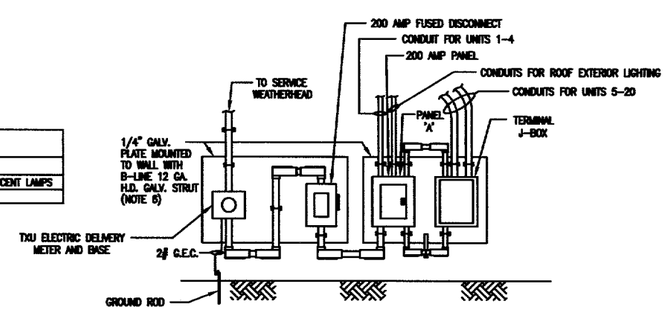
TAG	WIRING	CONDUIT	SOURCE	DESTINATION	COMMENTS
1000	2 #4/0, #2 N	3"C	SERVICE POLE	SERVICE ENTRANCE METER	VERIFY REQUIREMENTS BY TXU ELECTRIC DELIVERY
1001	2 #4/0, #2 N, #2 GEC	2"C	SERVICE ENTRANCE METER SOCKET	SERVICE ENTRANCE SAFETY DISCONNECT SWITCH	#2 GEC TO GROUND
1002	2 #4/0, #2 N #1/0 EGC	2"C	SERVICE ENTRANCE SAFETY DISC. SWITCH	PANEL 'A'	



01 DETAIL SERVICE ENTRANCE
N.T.S.

LIGHT FIXTURE SCHEDULE

MARK	DESCRIPTION	VOLTS	TYPE	LAMPS	MANUFACTURER	CATALOG NUMBER	COMMENTS
A	"T" HANGAR INTERIOR LTG.	120	FLUORESCENT	800ma	LITHONIA	DMS296T12H0240	FURNISH AND INSTALL 96", T-12 RS 800ma HO FLUORESCENT LAMPS
B	EXTERIOR ROADWAY LIGHTING	240	METAL HALIDE	250 WATT	HOLOPHANE	G250MHDOLUIF	FURNISH AND INSTALL MH LAMPS. PROVIDE PHOTOCELLS



SECTION B-B
N.T.S. (NOTE 5)

NOTES:

1. METER BASE WILL BE FURNISHED BY CONTRACTOR AND SHALL BE INSTALLED PER TXU ELECTRIC DELIVERY BY THE CONTRACTOR 4' TO 6' ABOVE GRADE INSTALL PER SPECIFICATIONS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUIT TO WEATHERHEAD FOR CONNECTION TO TXU ELECTRIC DELIVERY.
3. REF ELECTRICAL PLAN VIEW FOR EXACT LOCTION OF DISCONNECT. REF SITE PLAN FOR LOCATION OF SERVICE.
4. INSTALL NO. 2 AWG CU GROUND TO 3/4ø X 10' CU CLAD DRIVEN GROUND ROD. REF DETAIL 04/E1.
5. INSTALL MIRROR IMAGE FOR 2ND HANGAR BUILDING.
6. SUPPORT STRUT SHALL BE ANCHORED TO BUILDING SUPPORT STEEL.

VERIFY SCALE
Bar is one inch on original drawing.
0 1
If not one inch on this sheet, adjust scale accordingly.
FILE No. 01.043

THESE DOCUMENTS ARE FOR BIDDING, CONSTRUCTION, AND PERMIT PURPOSES.
DATE: 1-12-05

STATE OF TEXAS
JOSEPH J. KOTRLA
56391
REGISTERED PROFESSIONAL ENGINEER

TOWN OF ADDISON, TEXAS

ADDISON AIRPORT TEE HANGAR LIGHTING
ELECTRICAL ONE LINE

McCREARY & ASSOCIATES, INC.
CONSULTING ENGINEERS
4300 LBJ FREEWAY SUITE 317 DALLAS, TEXAS 75244
972/490-4240

DESIGNED BY: W.H.G.	PROJECT: 97 180	SHEET NO. E2	
DRAWN BY: M.E.G.	DATE: JANUARY, 2005	OF E7 SHEETS	