

EDI ARCHITECTS, INC.
 ARCHITECTURE PLANNING ENGINEERING INTERIOR DESIGN
 8440 WALNUT HILL LANE
 AMERICAN BANK TOWER
 SUITE 100
 DALLAS, TEXAS 75201
 AUSTIN, TEXAS 78731
 214 / 750-1848
 512 / 459-6306

TOWN OF
ADDISON

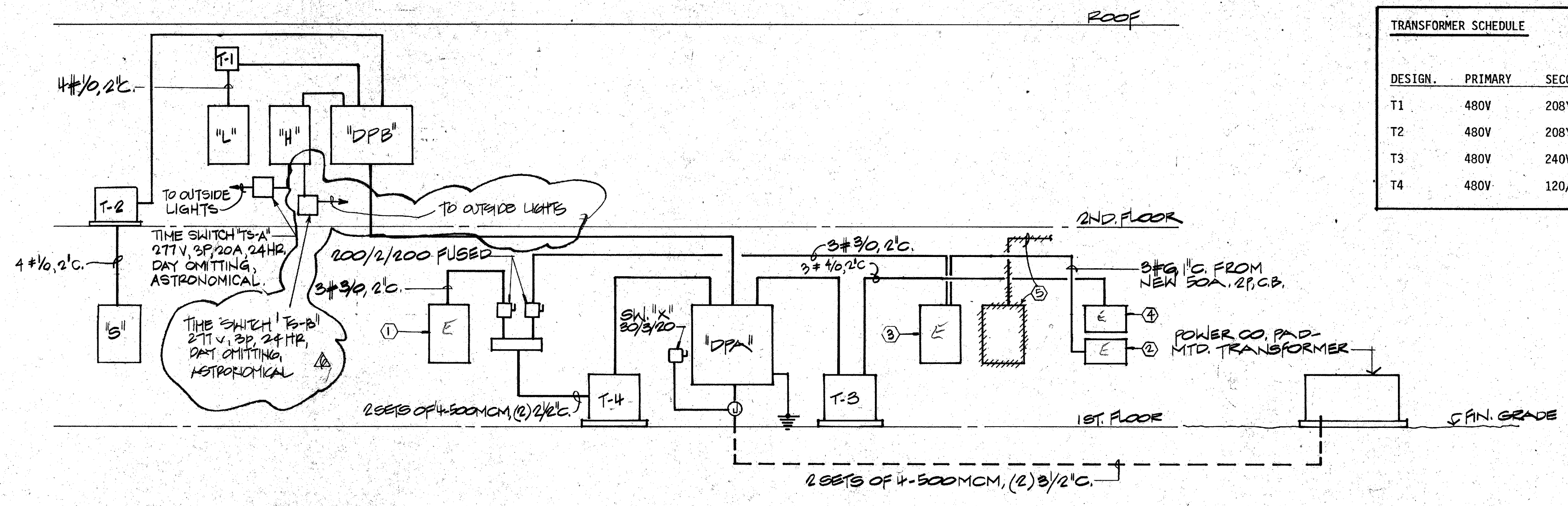
**ADDITION TO
 PUBLIC WORKS SERVICE CENTER**
 Addison, Texas
 Westgrove Road

DATE: 11 JUNE 86 - BID
 REV 6, 7, 10, 27, 30

SHEET NO. OF SHEETS
 SHEET NO. OF DEVELOPMENT TOWN OF ADDISON
MEP-1-1

ELECTRICAL SYMBOLS

SYMBOLS	DESCRIPTION
	FLUORESCENT FIXTURES.
	STRIP FLUORESCENT.
	INCANDESCENT OR H.I.D. FIXTURE.
	WALL-MOUNTED INCANDESCENT OR H.I.D. FIXTURE.
	EXIT LIGHT.
	SINGLE POLE SWITCH, 20A, 120V.
	3-WAY SWITCH.
	DUPLEX RECEPTACLE, 20A, 125V, 3-WIRE, GROUNDED TYPE - 12" A.F.F. OR AS INDICATED.
	TELEPHONE OUTLET, 12" A.F.F.
	JUNCTION BOX.
	MOTOR.
	DISCONNECT SWITCH.
	PANELBOARD.
	DISTRIBUTION PANEL.
	CONDUIT CONCEALED IN OR BELOW FLOOR, SLAB OR GRADE.
	FLEXIBLE CONNECTION.
	CONDUIT IN CEILING OR WALLS; HATCHMARK INDICATED NUMBER OF CONDUCTORS. NO MARKS INDICATE TWO CONDUCTORS.
	HOME RUN TO PANEL, CIRCUIT NUMBER AS INDICATED.
	FIRE ALARM AUDIO VISUAL INDICATOR.
	MANUAL FIRE ALARM PULL STATION.
	SPECIAL PURPOSE RECEPTACLE.
	DIMMER SWITCH.
	SWITCH WITH PILOT LIGHT.
	DUPLEX RECEPTACLE, 20A, 125V, 3-WIRE, ISOLATED GROUND TYPE.
	QUADPLEX RECEPTACLE.
	WALL OUTLET WITH PLANK COVER PLATE 1" E.C. STUB-UP INTO CEILING SPACE FOR FUTURE COMPUTER.
	POKE THRU BOX WITH QUADPLEX RECEPTACLE.
	POKE THRU BOX WITH TELEPHONE OUTLET.
	PILOT MOUNTED SMOKE DETECTOR.



TRANSFORMER SCHEDULE

DESIGN.	PRIMARY	SECONDARY	KVA	MOUNTING
T1	480V	208Y/120V3Ø	45	FLOOR
T2	480V	208Y/120V3Ø	45	FLOOR
T3	480V	240V 3Ø	75	FLOOR
T4	480V	120/240V 1Ø	100	FLOOR

RISER DIAGRAM

NOT TO SCALE

- NOTES:
- RE-USED 120/240V, 1Ø, 3W, 200A M.L.O. PANEL IN OFFICE AREA
 - RE-USED 120/240V, 1Ø, 3W M.L.O. PANEL BELOW 3Ø PANEL.
 - RE-USED 120/240V, 1Ø, 3W, 200A M.L.O. PANEL IN WAREHOUSE.
 - RE-USED 240V, 3Ø, 200A M.L.O. PANEL IN WAREHOUSE.
 - REMOVE EXIST. 800A M.L.O. DISTRIBUTION PANEL & SERVICE. DISCONNECT & REMOVE ALL EXIST. FEEDER CONDUCTORS.

DISTRIBUTION PANEL "DPA"

277/480 VOLTS, 4 WIRE, 3 PHASE, SURFACE MOUNTED, 800 AMP MAIN LUGS, GROUND BUS.

CIRCUIT NO.	SERVING	SWITCH	FUSE	POLES	NO.	SIZE	CONDUIT	KVA	HP	NOTES
1	PANEL "DPB"	400	350	3	4	500MCM	3 1/2"	280		
2	TRANSFORMER "T3"	200	125	3	3	#1/0	1 1/2"	75		
3	TRANSFORMER "T4"	400	300	2	3	250MCM	2 1/2"	100		
4	SPACE	200								
5	SPACE	100								

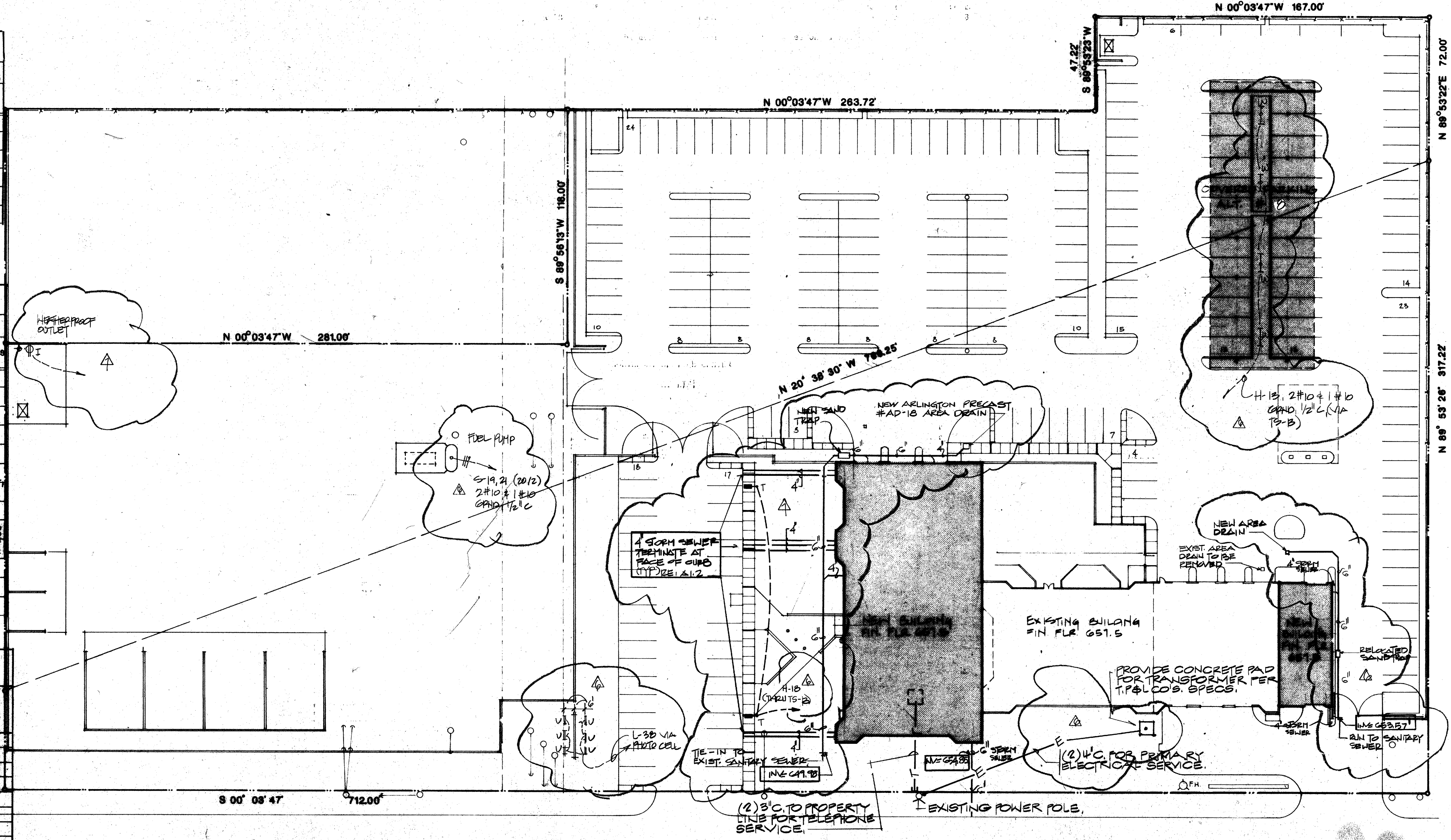
DISTRIBUTION PANEL "DPB"

277/480 VOLTS, 4 WIRE, 3 PHASE, SURFACE MOUNTED, 400 AMP MAIN LUGS, GROUND BUS.

SWITCH NO.	SERVING	FRAME	TRIP	POLES	NO.	SIZE	CONDUIT	KVA	HP	NOTES
1	RTU-1	100	30	3	3	#10	3/4"	12.3		
2	RTU-2	100	30	3	3	#10	3/4"	13.7		
3	RTU-3	100	60	3	3	#6	1"	33.7		
4	RTU-4	100	30	3	3	#10	3/4"	13.7		
5	RTU-5	100	30	3	3	#10	3/4"	13.8		
6	RTU-6	100	40	3	3	#8	1"	24.4		
7	ELEVATOR	100	50	3	3	#6	1"	19.1	15	
8	PANEL "H"	100	100	3	4	#1	1-1/2"	50		
9	TRANSFORMER "T1"	100	80	3	3	#3	1-1/4"	45		
10	TRANSFORMER "T2"	100	80	3	3	#3	1-1/4"	45		
11	SPACE									
12	SPACE									
13	SPACE									

PANELBOARD SCHEDULE

PANEL	LOCATION	VOLT PHASE WIRE	MOUNTING	MAIN	TOTAL POLES	BRANCH DEVICES					SPACE AMP.	REMARKS
						1P	2P	3P	1P	2P		
H		277/480 3 4	SURFACE	100A M.L.O.	24	16	3	3	5	20		
L		120/208 3 4	SURFACE	150A M.C.B.	42	38	4	4	20	20		
S		120/208 3 4	SURFACE	150A M.C.B.	30	11	1	4	20	20		



01 SITE PLAN - ELECTRICAL / PLUMBING
 MEPI-1 1"=30'-0"

