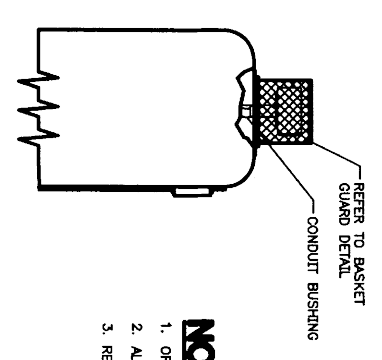


LIGHTING FIXTURE SCHEDULE				FIXTURE DATA							
TYPE	MANUFACTURER	VOLTS	CATALOG NO.	LAMPS	DESCRIPTION	LAMP/FT	BALAST	W/FT	NO. FIX	TOTAL KVA	
5A	LMERC-SCHIEDER	277	H54-QM-H73-SC7K 17584A	1-H54Q-MOR	ROADWAY/PERESTRAN FIXTURE NOTE 1, 5 & 6	2		2	50	17	9.86
5B	LMERC-SCHIEDER	277	FOCAL-TM-TRM-TRM-RW SC7A17584A	1-H54Q-MOR	PERESTRAN FIXTURE NOTE 2 & 3 & 6	1		1	50	32	3.94
5C	LMERC-SCHIEDER	-	H54-QM-H73-SC7K 17584A	1-H54Q-MOR	PARKING LOT FIXTURE NOTE 2 & 3 & 6	1		1	49	2	0.82
5A4	LMERC-SCHIEDER	277	H54-QM-H73-SC7K 17584A	1-H54Q-MOR	ROADWAY/PERESTRAN FIXTURE NOTE 4, 5 & 6	2		2	50	3	1.74

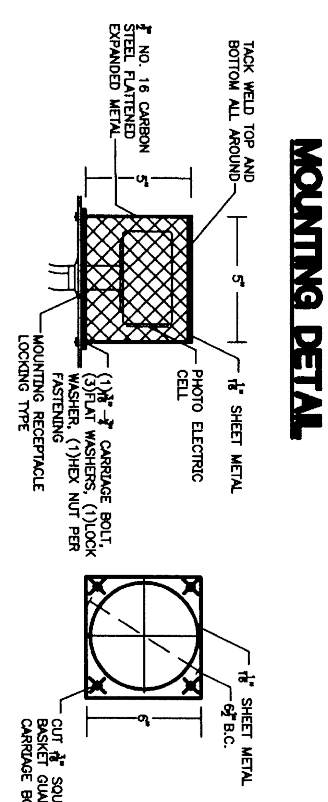
BUDGET		DESCRIPTION		ACTUAL	
NA	0	NA	0	NA	0
NA	0	TOTAL HEATED SQ FT	0	NA	0
NA	0	INTERIOR VA PER SQ FT	NA	NA	NA
NA	0	EXTERIOR LIGHTING KVA	NA	NA	NA
NA	0	EXTERIOR SQ FT	NA	NA	NA
NA	0	TOTAL LIGHTING KVA	12.90	NA	12.90

PANEL "HA"																	
LOCATED IN FRONT OF OUTBACK STEAK HOUSE																	
CT	LOAD	DESCRIPTION	C	ESG	N	W	CB	LOAD	LOAD	CB	W	N	ESG	C	DESCRIPTION	LOAD	CT
1	300	3000	1	1	1	1	1	1	1	1	1	1	1	1	FINISH EXCLUS	3000	2
3	300	3000	1	1	1	1	1	1	1	1	1	1	1	1	EXST EXCLUS	2285	4
5	0	SPACE	-	-	-	-	-	-	-	-	-	-	-	-	SPACE	0	6
7	0	SPACE	-	-	-	-	-	-	-	-	-	-	-	-	SPACE	0	8
9	0	SPACE	-	-	-	-	-	-	-	-	-	-	-	-	SPACE	0	10
11	0	SPACE	-	-	-	-	-	-	-	-	-	-	-	-	SPACE	0	12

DEMAND LOAD CALC:		CONTINUOUS KVA		X		1.25		=		15.4	
RECEPTACLE KVA	X	1.00									0.0
KITCHEN EQUIPMENT LOADS (NON)	X	1.00									0.0
OTHER LOADS	X	1.00									0.0
TOTAL DIV KVA	=	15.4									15.4
TOTAL DIV AMPERES	=	32.0									32.0

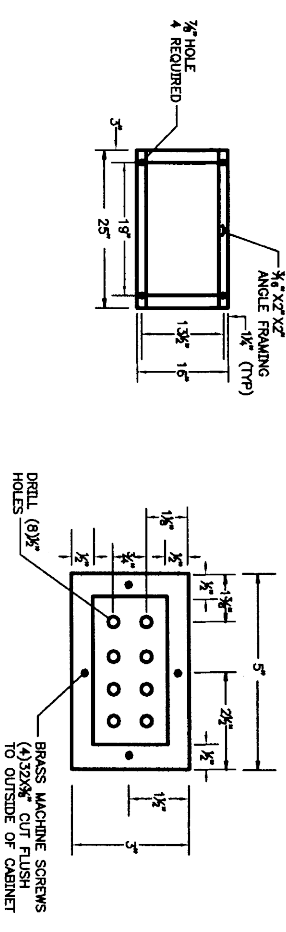
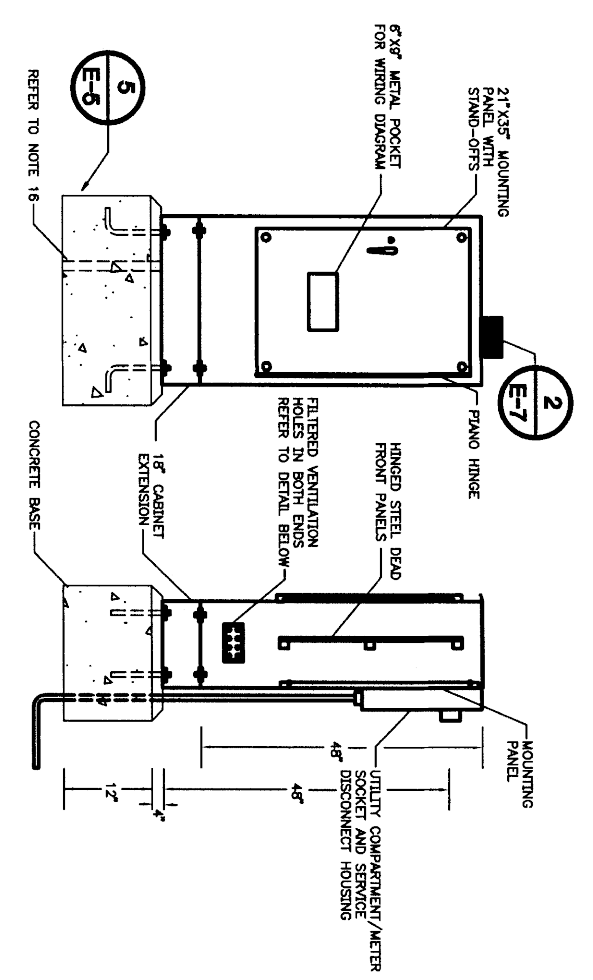


- NOTES**
1. ORIENT PHOTO ELECTRIC CELL TO FACE NORTH.
 2. ALL CONDUIT CONNECTIONS SHALL BE WATER-TIGHT.
 3. REFER TO PHOTO ELECTRIC CELL SPECIFICATIONS.

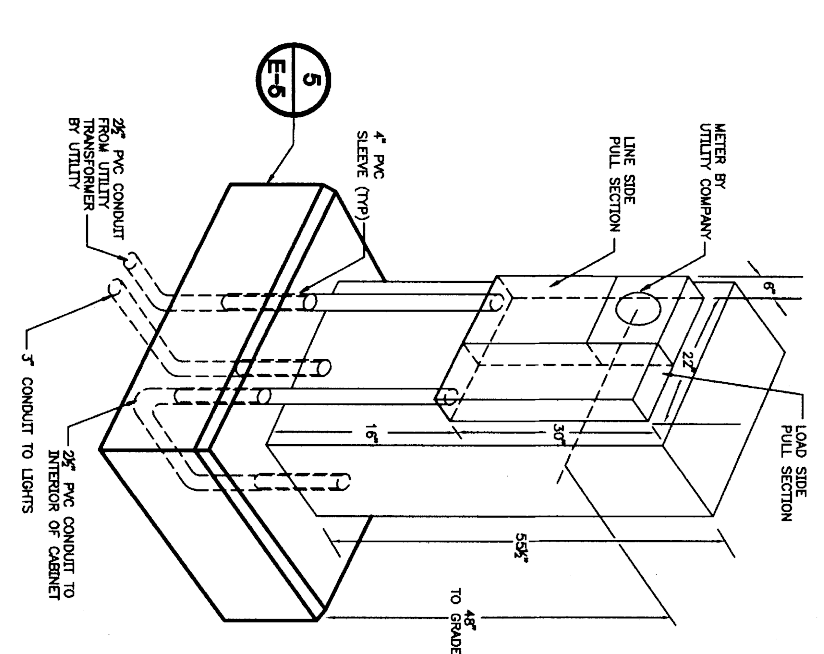


BASKET GUARD DETAIL

2 PHOTO ELECTRIC CELL MOUNTING DETAIL
 SCALE: NONE



- NOTES**
1. INSTALL FREE STANDING AND SELF-SUPPORTING CONTROL CENTER CABINET, PER THE DRAWINGS, NEMA 3R CONSTRUCTION, USE ALUMINUM ALLOY, THICKNESS 0.125", FOR CABINET HOUSING AND DOORS.
 2. USE HELIARC WELDING METHOD FOR ALL EXTERNAL AND INTERNAL JOINTS. WELDING SHALL BE PERFORMED BY A WELDER CERTIFIED TO THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY (AWS) AND SHALL BE SUBJECT TO VISUAL INSPECTION AND X-RAY TESTING BY A QUALIFIED INSPECTOR. THE ENDS OF CABINET ALUMINUM FINISH.
 3. MAKE FULL HEIGHT DOORS WHICH USE STAINLESS HINGES AND HAVE DOOR STOPS AND LOCKS.
 4. USE TAMPER-PROOF CABINETS SO AS TO PREVENT INSERTION OR WIRES OR OBJECTS INSIDE THE CABINET BY UNAUTHORIZED PERSONS.
 5. PROVIDE BOLT-ON CIRCUIT BREAKERS.
 6. PROVIDE A SLOPED SURFACE ON THE TOP OF THE CABINET SO AS TO PREVENT WATER ACCUMULATION.
 7. PROVIDE DOUBLE FLANGED DOOR OPENINGS ON ALL (4) FOUR SIDES TO PROVIDE STRENGTH AROUND THE OPENINGS AND TO PREVENT WEAR AND TEAR FROM ENTRING THE ENCLOSURE WHEN THE DOOR IS OPENED.
 8. USE DOOR RESTRAINTS TO PREVENT DOOR MOVEMENT WHEN OPENED IN WINDY CONDITIONS.
 9. FURNISH GASKETING FOR DOORS WHICH SATISFY PHYSICAL PROPERTIES AS FOUND IN UL 508 SIDE 21.1. MAKE WEATHER-TIGHT SEALS BETWEEN THE CABINET AND THE DOOR.
 10. USE 1/4-20 300 SERIES STAINLESS STEEL BOLTS AND 300 SERIES STAINLESS STEEL NUT-LOCK NUTS FOR BOLLING HINGES TO THE CABINET AND THE DOOR.
 11. FURNISH HINGES MADE OF 075-14 GAUGES 300 SERIES STAINLESS STEEL WELD THE TOP AND BOTTOM OF THE HINGE PIN TO RENDER IT TAMPER PROOF.
 12. FURNISH GASKETING FOR BOLT HOLES WHICH MEET OR EXCEED THE REQUIREMENT OF A NEMA 3R RATING.
 13. REFER TO SPECIFICATIONS FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.
 14. THE DOOR SHALL BE PAINTIGHT AND DUSTPROOF.
 15. INSTALL 5/8" DIA. BY 10" COPPER CLAD GROUND ROD WITH CLAMP.
 16. IN UNPAVED AREAS A RAISED PCC PAD 36"x42" WIDTH OF FOUNDATION, SHALL BE PLACED IN FRONT OF THE CABINET. PAD SHALL BE SET 2" BELOW THE FOUNDATION ELEVATION. SLOPE PAD AWAY FROM CABINET.
 17. USE AN APPROVED SILICON SEALER RIV TYPE GREY IN COLOR OR CLEAR, BETWEEN CABINET AND FOUNDATION.
 18. UTILITY COMPANY SHALL PROVIDE AND INSTALL THE TRANSFORMER, TRANSFORMER PAD, CONDUIT, AND WIRING TO METER. THE UTILITY WILL PROVIDE THE METER BASE TO BE INSTALLED BY CONTRACTOR.
 19. COORDINATE THE CONTROL CENTER LOCATIONS AND EQUIPMENT SPACING WITH THE UTILITY COMPANY. PROVIDE A SHOP DRAWING WITH THE UTILITY COMPANY AND CONTROL CENTER LOCATIONS. SUBMIT TO THE UTILITY COMPANY AND CONTROL CENTER LOCATIONS. SUBMIT TO THE ENGINEER FOR WRITTEN APPROVAL PRIOR TO INSTALLING EQUIPMENT.



1 CONTROL CENTER SERVICE ENCLOSURE
 SCALE: NONE

1 CONTROL CENTER SERVICE ENCLOSURE
 SCALE: NONE

This record drawing is a completion of the sealed engineering drawing for this project, modified by addenda, change orders and information furnished by the contractor. The information shown on the record drawings that was provided by the contractor shall be verified for completeness. This original sealed drawing is on file at the offices of Birkhoff, Hendricks & Conway, L.L.P.
 BY J.W.B. DATE 06/04/2010

CH2E ENGINEERS, INC.
 CONSULTING ENGINEERS
 5714 W. LOOP WEST, SUITE 200
 DALLAS, TEXAS 75242
 (214) 343-1100
 www.ch2e.com

TOWN OF ADDISON, TEXAS
 ADDISON ROAD IMPROVEMENTS
 BELT LINE ROAD TO APARAHO ROAD PHASE I
 ADDISON ROAD LANDSCAPE/LIGHTING
 BIRKHOFF, HENDRICKS & CONWAY L.L.P.
 CONSULTING ENGINEERS
 Dallas, Texas

GRAPHIC SCALE:
 1" = 10'-0"
 0 5' 10' 20' 30' 40'

DESIGNED BY: J.A.A.
 PROJECT: ADDISON ROAD IMPROVEMENTS
 DRAWN BY: J.A.A. DATE: CONTRACT 24, 2007 SHEET NO. E-7 (08)
 SHEETS