

PANEL: "HA"
LOCATION: ELECTRICAL ROOM
MOUNTING: FLUSH SURFACE

VOLTAGE: 277/480V, 3-PH, 4-WIRE + G
MAINS: 100A MLO
MINIMUM AIC RATING: 35,000A

DEVICE	BRANCH CIRCUIT			PHASE LOAD (VOLTS-AMPS)			BRANCH CIRCUIT			DEVICE
	DESIGNATION	VOLT-AMPS	NO.	ØA	ØB	ØC	NO.	VOLT-AMPS	DESIGNATION	
20 1	PANEL CONTACTOR	200	1				2	4666	A/C-1	3 30
20 1	PANEL CONTACTOR	200	3				4	4666		
20 1	PANEL CONTACTOR	200	5				6	4667		
20 1	LIGHTING	1184	7				8		SPACE	1 20
20 1	SPARE		9				10			
20 1	SPARE		11				12			
20 1	SPARE		13				14	277	FP-1	3 15
20 1	SPARE		15				16	276		
20 1	SPARE		17				18	276		
50 3	TRANSFORMER "TA"	10000	19				20		SPACE	1 20
50 3	TRANSFORMER "TA"	10000	21				22			
50 3	TRANSFORMER "TA"	10000	23				24			
30 2	ROADWAY SIGN LIGHTS		25				26			
20 1	SPACE		27				28			
20 1	SPACE		29				30		ROADWAY SIGN LIGHTS	2 30
20 1	SPACE		31				32			

CONNECTED	LTG	1184
	PWR	15427
	MISC	30000

PANEL: "HWA"
LOCATION: NICHE "W" (TUNNEL)
MOUNTING: FLUSH SURFACE

VOLTAGE: 277/480V, 3-PH, 4-WIRE + G
MAINS: 225A MLO
MINIMUM AIC RATING: 35,000A

DEVICE	BRANCH CIRCUIT			PHASE LOAD (VOLTS-AMPS)			BRANCH CIRCUIT			DEVICE
	DESIGNATION	VOLT-AMPS	NO.	ØA	ØB	ØC	NO.	VOLT-AMPS	DESIGNATION	
30 2	WEST TUNNEL LIGHTING	2296	1				2		SPACE	2 30
30 2	WEST TUNNEL LIGHTING	2296	3				4			
30 2	WEST TUNNEL LIGHTING	2436	5				6			
30 2	WEST TUNNEL LIGHTING	2424	7				8			
30 2	SPARE		9				10			
50 2	TRANSFORMER/PNL. "LWA"	5000	11				12			
50 2	TRANSFORMER/PNL. "LWA"	5000	13				14			
20 1	SPARE		15				16			
20 1	SPARE		17				18			
90 3	VF-1	11073	19				20			
90 3	VF-1	11073	21				22			
90 3	VF-2	11074	23				24			
90 3	VF-2	11073	25				26			
90 3	VF-2	11073	27				28			
90 3	VF-2	11074	29				30			

CONNECTED	LTG	9452
	PWR	68440
	MISC	10000

PANEL: "HWB"
LOCATION: NICHE "W" (TUNNEL)
MOUNTING: FLUSH SURFACE

VOLTAGE: 277/480V, 3-PH, 4-WIRE + G
MAINS: 100A MLO
MINIMUM AIC RATING: 35,000A

DEVICE	BRANCH CIRCUIT			PHASE LOAD (VOLTS-AMPS)			BRANCH CIRCUIT			DEVICE
	DESIGNATION	VOLT-AMPS	NO.	ØA	ØB	ØC	NO.	VOLT-AMPS	DESIGNATION	
30 2	WEST TUNNEL LIGHTING	4650	1				2		SPACE	2 30
30 2	WEST TUNNEL LIGHTING	4650	3				4			
30 2	WEST TUNNEL LIGHTING	4650	5				6			
30 2	WEST TUNNEL LIGHTING	4650	7				8			
30 2	WEST TUNNEL LIGHTING	4650	9				10			
30 2	WEST TUNNEL LIGHTING	4650	11				12			
30 2	WEST TUNNEL LIGHTING	3720	13				14			
30 2	WEST TUNNEL LIGHTING	3720	15				16			
30 2	WEST TUNNEL LIGHTING	1128	17				18			
30 2	WEST TUNNEL LIGHTING	1128	19				20			
20 1	SPACE		21				22		SPACE	1 20
20 1	SPACE		23				24			
20 1	SPACE		25				26			
20 1	SPACE		27				28			
20 1	SPACE		29				30			

CONNECTED	LTG	37596
	PWR	
	MISC	

PANEL: "HCA"
LOCATION: NICHE "C" (TUNNEL)
MOUNTING: FLUSH SURFACE

VOLTAGE: 277/480V, 3-PH, 4-WIRE + G
MAINS: 100A MLO
MINIMUM AIC RATING: 18,000A

DEVICE	BRANCH CIRCUIT			PHASE LOAD (VOLTS-AMPS)			BRANCH CIRCUIT			DEVICE
	DESIGNATION	VOLT-AMPS	NO.	ØA	ØB	ØC	NO.	VOLT-AMPS	DESIGNATION	
30 2	CENTER TUNNEL LIGHTING	1852	1				2		SPACE	2 30
20 1	SPARE	1840	3				4			
90 3	VF-3	11073	5				6			
90 3	VF-3	11073	7				8			
50 2	TRANSFORMER "LCA"	5000	9				10			
50 2	TRANSFORMER "LCA"	5000	11				12			
20 1	SPACE		13				14			
20 1	SPACE		15				16			
20 1	SPACE		17				18			

CONNECTED	LTG	3692
	PWR	33220
	MISC	10000

PANEL: "HCB"
LOCATION: NICHE "C" (TUNNEL)
MOUNTING: FLUSH SURFACE

VOLTAGE: 277/480V, 3-PH, 4-WIRE + G
MAINS: 100A MLO
MINIMUM AIC RATING: 18,000A

DEVICE	BRANCH CIRCUIT			PHASE LOAD (VOLTS-AMPS)			BRANCH CIRCUIT			DEVICE
	DESIGNATION	VOLT-AMPS	NO.	ØA	ØB	ØC	NO.	VOLT-AMPS	DESIGNATION	
30 2	CENTER TUNNEL LIGHTING	1504	1				2		SPACE	2 30
30 2	SPACE	1504	3				4			
30 2	SPACE		5				6			
20 2	SPACE		7				8			
20 2	SPACE		9				10			
20 2	SPACE		11				12			
20 2	SPACE		13				14			
20 2	SPACE		15				16			
20 2	SPACE		17				18			

CONNECTED	LTG	3008
	PWR	
	MISC	

PANEL: "HEA"
LOCATION: NICHE "E" (TUNNEL)
MOUNTING: FLUSH SURFACE

VOLTAGE: 277/480V, 3-PH, 4-WIRE + G
MAINS: 100A MLO
MINIMUM AIC RATING: 18,000A

DEVICE	BRANCH CIRCUIT			PHASE LOAD (VOLTS-AMPS)			BRANCH CIRCUIT			DEVICE
	DESIGNATION	VOLT-AMPS	NO.	ØA	ØB	ØC	NO.	VOLT-AMPS	DESIGNATION	
30 2	EAST TUNNEL LIGHTING	2108	1				2		SPACE	2 30
30 2	EAST TUNNEL LIGHTING	2108	3				4			
30 2	EAST TUNNEL LIGHTING	1236	5				6			
30 2	EAST TUNNEL LIGHTING	1248	7				8			
30 2	EAST TUNNEL LIGHTING	1248	9				10			
50 2	TRANSFORMER PNL "LEA"	5000	11				12			
50 2	TRANSFORMER PNL "LEA"	5000	13				14			
20 1	SPACE		15				16			
20 1	SPACE		17				18			
90 3	VF-6	11073	19				20		ROADWAY	2 30
90 3	VF-6	11073	21				22		ROADWAY	2 30
20 1	SPACE		23				24		SPACE	1 20
20 1	SPACE		25				26			
20 1	SPACE		27				28			
20 1	SPACE		29				30			

CONNECTED	LTG	9136
	PWR	33220
	MISC	10000

PANEL: "HEB"
LOCATION: NICHE "E" (TUNNEL)
MOUNTING: FLUSH SURFACE

VOLTAGE: 277/480V, 3-PH, 4-WIRE + G
MAINS: 100A MLO
MINIMUM AIC RATING: 18,000A

DEVICE	BRANCH CIRCUIT			PHASE LOAD (VOLTS-AMPS)			BRANCH CIRCUIT			DEVICE
	DESIGNATION	VOLT-AMPS	NO.	ØA	ØB	ØC	NO.	VOLT-AMPS	DESIGNATION	
30 2	EAST TUNNEL LIGHTING	4650	1				2		SPACE	2 30
30 2	EAST TUNNEL LIGHTING	4650	3				4			
30 2	EAST TUNNEL LIGHTING	5115	5				6			
30 2	EAST TUNNEL LIGHTING	5115	7				8			
30 2	EAST TUNNEL LIGHTING	5115	9				10			
30 2	EAST TUNNEL LIGHTING	5115	11				12			
30 2	EAST TUNNEL LIGHTING	2790	13				14			
30 2	EAST TUNNEL LIGHTING	2790	15				16			
30 2	EAST TUNNEL LIGHTING	1128	17				18			
20 1	SPACE		19				20			
20 1	SPACE		21				22			
20 1	SPACE		23				24			
20 1	SPACE		25				26			
20 1	SPACE		27				28			
20 1	SPACE		29				30			

CONNECTED	LTG	37596
	PWR	
	MISC	

PANEL: "LA"
LOCATION: ELECTRICAL ROOM
MOUNTING: FLUSH SURFACE

VOLTAGE: 120/208V, 3-PH, 4-WIRE + G
MAINS: 100A MLO
MINIMUM AIC RATING: 10,000A

DEVICE	BRANCH CIRCUIT			PHASE LOAD (VOLTS-AMPS)			BRANCH CIRCUIT			DEVICE
	DESIGNATION	VOLT-AMPS	NO.	ØA	ØB	ØC	NO.	VOLT-AMPS	DESIGNATION	
20 1	MAINT. OUTLET (ELEC. BLDG)	1080	1				2	200	EMERGENCY GEN#1	1 20
20 1	MAINT. OUTLET (ELEC. BLDG)	900	3				4	200	EMERGENCY GEN#2	1 20
20 1	MAINT. OUTLET (ELEC. BLDG)	900	5				6		SPARE	1 20
20 1	TUNNEL SECURITY CABINET	1000	7				8	289	WEST SUMP PIT LTG.	1 20
20 1	TUNNEL SECURITY CABINET	1000	9				10		WARNING LIGHTS	1 20
20 1	EM. GEN#2 ANNUN. PANEL	400	11				12		WARNING LIGHTS	1 20
20 1	EM. GENERATOR BATTERY CHG	300	13				14		SPACE ONLY	
20 1	TELEPHONE BACKBOARD	360	15				16		SPACE ONLY	
20 1	SPARE		17				18		SPACE ONLY	
20 1	FAN CONTROL PANEL	400	19				20	287	GEN#1 BLK. HTR (.8 Kw)	3 20
20 1	CO2 CONTROL PANEL	400	21				22	287		
20 1	EM. GEN#1 ANNUN. PANEL	400	23				24	287		
20 1	TELEPHONE CABINET	360	25				26	287	GEN#2 BLK. HTR (.8 Kw)	3 20
20 1	FACP	400	27				28	287		
20 1	FACP	400	29				30	287		

CONNECTED	LTG	289
	PWR	3820
	MISC	1600
	RECEPTACLE	2880

FINAL RECORD DRAWING
Date: 12/25/99



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY LEOPOLDO F. RIOS, P.E., 58272 ON MAY 18, 1996

CHANGE ORDER HDR 5-27-98
ADDENDUM No. 1 HDR 2-12-97

No.	REVISION	BY	DATE

TEXAS TURNPIKE AUTHORITY
ADDISON AIRPORT TUNNEL

PANELBOARD SCHEDULES

HDR HDR Engineering, Inc. SECTION XIII

DRAWN: WTD	DATE: 12/05/96	DESIGNED: LR	DATE: 08/28/96
CHECKED: BL	DATE: 08/28/96	SCALE: NONE	

CONTRACT No. DNT-260 SHEET E162 OF 166

FILE: p:\adddtm\dgn\adddtm10.dgn
DATE: 23-Apr-96 20:01