

TRANSFORMER/PANEL "LWA"
 LOCATION: NICHE 'W' (TUNNEL)
 MOUNTING: FLUSH SURFACE

VOLTAGE: 120/240V, 1-PH, 3-WIRE
 MAINS: MLO MAN BKR: 50A
 MINIMUM AIC RATING: 10,000A

DEVICE	BRANCH CIRCUIT	DESIGNATION	VOLT-AMPS	NO.	PHASE LOAD (VOLTS-AMPS)			NO.	VOLT-AMPS	DESIGNATION	DEVICE
					ØA	ØB	ØC				
20	1	MANT. RECEPTACLES	180	1				2	1000	SECURITY CAMERA	1 20
20	1	SUMP PUMP CONTROL PANEL	200	3				4		SPARE	1 20
20	1	NICHE SECURITY EQUIPMENT	1000	5				6		SPARE	1 20
20	1	NICHE SECURITY EQUIPMENT	1000	7				8		SPARE	1 20
CONNECTED TOTAL											3380

TRANSFORMER/PANEL "LCA"
 LOCATION: NICHE 'C' (TUNNEL)
 MOUNTING: FLUSH SURFACE

VOLTAGE: 120/240V, 1-PH, 3-WIRE
 MAINS: MLO MAN BKR: 50A
 MINIMUM AIC RATING: 10,000A

DEVICE	BRANCH CIRCUIT	DESIGNATION	VOLT-AMPS	NO.	PHASE LOAD (VOLTS-AMPS)			NO.	VOLT-AMPS	DESIGNATION	DEVICE
					ØA	ØB	ØC				
20	1	MANT. RECEPTACLES	180	1				2		SPACE	2 30
20	1	NICHE SECURITY EQUIPMENT	1000	3				4		SPACE	2 30
20	1	NICHE SECURITY EQUIPMENT	1000	5				6		SPACE	1 20
20	1	SECURITY CAMERA	1000	7				8		SPACE	1 20
CONNECTED TOTAL											3380

TRANSFORMER/PANEL "LEA"
 LOCATION: NICHE 'E' (TUNNEL)
 MOUNTING: FLUSH SURFACE

VOLTAGE: 120/240V, 1-PH, 3-WIRE
 MAINS: MLO MAN BKR: 50A
 MINIMUM AIC RATING: 10,000A

DEVICE	BRANCH CIRCUIT	DESIGNATION	VOLT-AMPS	NO.	PHASE LOAD (VOLTS-AMPS)			NO.	VOLT-AMPS	DESIGNATION	DEVICE
					ØA	ØB	ØC				
20	1	MANT. RECEPTACLES	180	1				2	1000	NICHE SECURITY EQUIPMENT	1 20
20	1	CENTER SUMP PIT LTG.	289	3				4	1000	NICHE SECURITY EQUIPMENT	1 20
20	1	EAST SUMP PIT LTG.	289	5				6	1000	SECURITY CAMERA	2 30
20	1	WARNING LIGHTS		7				8		SPACE	1 1
CONNECTED TOTAL											3758

EMERGENCY DISTRIBUTION PANEL 'EDP'

BREAKER: M.L.O.
 MINIMUM AIC RATING: 35,000A
 LOCATION: ELECTRICAL ROOM

VOLTAGE: 480V/277, 3-PH, 4-WIRE - G
 MAINS: 1200A

DEVICE	BRANCH CIRCUIT	DESIGNATION	VOLT-AMPS	NO.	PHASE LOAD (VOLTS-AMPS)			NO.	VOLT-AMPS	DESIGNATION	DEVICE
					ØA	ØB	ØC				
225	3	PANEL "HWA"	28630	1				2	15637	PANEL "HCA"	3 100
			28630						15637		
			28630						15637		
200	3	PANEL "HEA"	17452	3				4	15537	PANEL "HA"	3 100
			17452						15537		
			17452						15537		
400	3	WEST SUMP PUMP CTR PANEL	83597	5				6	29900	PANEL "HCM"	3 225
			83597						29900		
			83597						29900		
600	3	EAST SUMP PUMP CTR PANEL	110443	7				8	29900	SPACE	3 225
			110443								
			110443								
600	3	SPACE		9				10		SPACE	3 400
CONNECTED TOTAL											903591

DISTRIBUTION PANEL "HCM"

BREAKER: 225A "MCB"
 MINIMUM AIC RATING: 18,000A
 LOCATION: SUMP PIT (CENTER)

VOLTAGE: 480V, 3-PH, 3-WIRE - G
 MAINS: 225A

DEVICE	BRANCH CIRCUIT	DESIGNATION	VOLT-AMPS	NO.	PHASE LOAD (VOLTS-AMPS)			NO.	VOLT-AMPS	DESIGNATION	DEVICE
					ØA	ØB	ØC				
50	3	SUMP PUMP SP-4 & SP-5	7754	1				2		SPACE	3 50
90	3	VENTILATION FAN VF-5	11073	3				4	11073	VENTILATION FAN VF-4	3 90
100	3	SPACE		5				6		SPACE	3 100
100	3	SPACE		7				8		SPACE	3 100
CONNECTED TOTAL											89700

EMERGENCY DISTRIBUTION PANEL 'EDP1'

BREAKER: M.L.O.
 MINIMUM AIC RATING: 35,000A
 LOCATION: ELECTRICAL ROOM

VOLTAGE: 480V/277, 3-PH, 4-WIRE - G
 MAINS: 800A

DEVICE	BRANCH CIRCUIT	DESIGNATION	VOLT-AMPS	NO.	PHASE LOAD (VOLTS-AMPS)			NO.	VOLT-AMPS	DESIGNATION	DEVICE
					ØA	ØB	ØC				
400	3	WEST SUMP PUMP	83597	1				2	15000	TOLL PLAZA XFR	3 70
			83597						15000		
			83597						15000		
225	3	PANEL "HCM"	29900	3				4	15537	PANEL "HA"	3 100
			29900						15537		
			29900						15537		
100	3	PANEL "HCA"	15637	5				6		SPACE	3 225
			15637								
			15637								
				7				8			
				9				10			
CONNECTED TOTAL											478013

EMERGENCY DISTRIBUTION PANEL 'EDP2'

BREAKER: M.L.O.
 MINIMUM AIC RATING: 35,000A
 LOCATION: ELECTRICAL ROOM

VOLTAGE: 480V/277, 3-PH, 4-WIRE - G
 MAINS: 800A

DEVICE	BRANCH CIRCUIT	DESIGNATION	VOLT-AMPS	NO.	PHASE LOAD (VOLTS-AMPS)			NO.	VOLT-AMPS	DESIGNATION	DEVICE
					ØA	ØB	ØC				
600	3	EAST SUMP PUMP	110443	1				2	28630	PANEL "HWA"	3 225
			110443						28630		
			110443						28630		
100	3	PANEL "HEA"	17452	3				4		SPACE	3 150
			17452								
			17452								
100	3	SPACE		5				6		SPACE	3 225
				7				8			
				9				10			
CONNECTED TOTAL											469575



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY LEOPOLDO F. RIOS, P.E., 58272 ON MAY 18, 1998

FINAL RECORD DRAWING
 Date: 12/25/99

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

No.	REVISION	BY	DATE
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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 E163 OF 166