

		FAN CONTROL			AIR FLOW INDICATOR		VIBRATION INDICATOR		
	FAN No.	OFF	DISCHARGE WEST	DISCHARGE EAST	AR FLOW WEST	AIR FLOW EAST	VIBRATION ALERT	VIBRATION ALARM	- '
	VF-1	(a)	(R)	(R) (9)	Ŕ	Ŕ	Ø	<u>e</u>	
MOMENTARY CONTACT PUSH BUTTON (TYP.)	VF-2	© •	(R) (0)	(a)	R	R	Ø	Ø	
	VF-3	<u></u>	R @	® (M)	R	Ø	Ø	Ŕ	
	VF-4	@ @	R @	® [3]	R	R	Ø	Ŕ	INDICATING LIGHT (TYP.)
	VF-5	@ @	R @	® A	R	R	Ø	Ø	
	VF-6	© ©	R @	© ဩ	R	R	Ø	A	PROVIDE CONTROL STAINLESS STEEL CABINET WITH LOC LOCATE IN THE EL AT THE WEST POR
	PUSH TO TEST INDICATING LIGHTS								AT THE WEST FOR
	● ● WEST	VF-3 VF	0	VF-6 EAST PORTAL			.,,,,,		

VENTILATION FAN CONTROL SCHEMATIC NO SCALE

PROVIDE CONTROL PANEL IN STAINLESS STEEL WEATHERPROOF CABINET WITH LOCKING COVER. LOCATE IN THE ELECTRIC ROOM AT THE WEST PORTAL.

VENTILATION FAN CONTROL PANEL NO SCALE

GENERAL NOTES:

- A. MOUNT FAN STARTERS ON NORTH WALL OF TUNNEL.
- B. VENTILATION FAN CONTROL PANEL IN ELECTRICAL ROOM AT WEST PORTAL OVERRIDES ALL OTHER CONTROLS.
- C. INPUT FROM FIRE ALARM SYSTEM INCLUDES PULL STATIONS AND HEAT DETECTORS.
- D. PROVIDE AN EMPTY 2" CONDUIT FROM THE TOLL PLAZA AREA TO THE VENTILATION CONTROL PANEL IN ELECTRICAL ROOM AT WEST PORTAL FOR FUTURE INPUT FROM REMOTE MONITORING STATION.
- E. A SIGNAL FROM A PULL STATION OR HEAT DETECTOR EAST OF STA. 18+00 SHALL START ALL TUNNEL VENTILATION FANS IN THE "DISCHARGE EAST" MODE. A SIGNAL FROM A PULL STATION OR HEAT DETECTOR WEST OF STA. 18+00 SHALL START ALL TUNNEL VENTILATION FANS IN THE "DISCHARGE WEST" MODE. IF SIGNALS ARE RECEIVED FROM HEAT DETECTORS OR PULL STATIONS ON BOTH SIDES OF STATION 18+00, ALL TUNNEL VENTILATION FANS SHALL GO TO THE "DISCHARGE "WEST" MODE.
- F. A SIGNAL FROM ANY CARBON MONOXIDE SENSOR SHALL START ALL TUNNEL VENTILATION FANS IN THE DISCHARGE WEST MODE.
- G. PROVIDE ALL CONDUIT, WIRING, TRANSFORMERS, RELAYS AND DEVICES NECESSARY FOR A COMPLETE AND OPERATING FAN CONTROL SYSTEM WITH OPERATING SEQUENCE AS INDICATED
- H. PROVIDE A 30 SECOND DELAY BETWEEN ANY FAN REVERSAL, WHETHER FROM THE FIRE ALARM SYSTEM INPUT OR MAIN CONTROL PANEL INPUT.



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY MIKE L. ASHCRAFT, P.E., 56590 ON SEPTEMBER 9, 1996

> FINAL RECORD **DRAWING** Date: 12/25/99

DATE REVISION

TEXAS TURNPIKE AUTHORITY

ADDISON AIRPORT TUNNEL

TUNNEL VENTILATION

CONTROL SCHEMATICS

SECTION XIII

DRAWN: WTD DATE: 12/05/96 DESIGNED: MLA DATE: 08/28/96 CHECKED: KG DATE: 08/28/96 SCALE: AS SHOWN

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