

**The Philadelphia Parking Authority
Mellon Independence Center
701 Market Street, Suite 5400
Philadelphia, PA 19106**

**RFP No. 16-15 – Mechanical/Electrical Engineering
Two Center City Garages
Addendum One**

To: See Email Distribution List

From: Mary Wheeler
Manager of Contract Administration

Date: July 5, 2016

No Pages: 4

This addendum is issued on July 5, 2016 prior to the bid due date to add, delete, modify, clarify and/or to respond to questions submitted by prospective proposers regarding the work included in the above referenced bid request.

QUESTIONS

1. **Question:** Can we get a better copy of drawings E5 and E6 that are included in the RFP?

Response: Attached are individual PDFs for E5 and E6. This is the best resolution we have.

2. **Question:** The pre-bid meeting included looking at typical fan/blower rooms, are all of the other rooms in each building constructed the same way?

Response: Yes.

3. **Question:** Are there drawings for the 1999 Ventilation System Project for the Independence Mall Parking Garage available?

Response: Yes. They were attached to the original RFP (Drawings M0 through M4, and E5 through E7).

4. **Question:** Can we come to the PPA Office to look at the entire set of plans for the construction of both parking garages and for the 1999 ventilation system upgrade?

Response: For Independence Mall, the original plans are dated 1963 and they are in poor condition. There were renovations in 1988 and 2004. We can make those plans available to the successful proposer. Plans for the 1999 ventilation system upgrade were previously provided (see response Number 3).

For Family Court, we are attempting to assemble a set of drawings for the garage floor plans and sections, ventilation system, CO system, and electrical. The entire set of drawings can be made available to the successful firm.

5. **Question:** Are there procedures in place for operating the parking garages when one of the supply or the exhaust fans is inoperable, are all fans required to meet the required CFM per square foot code requirement?

Response: No Procedures. At Independence Mall, we have had one of the twelve fans out of service without adverse effect. At Family Court, we don't know what the effect would be to have one out of the four out of service.

6. **Question:** Do all fans and blowers or only selected fans and blowers operate when the parking garages lose utility power and are on emergency power?

Response: At Independence Mall, the fans are on the emergency generator. At Family Court, we don't know.

7. **Question:** The Independence Mall Ventilation System fan and blower motors are controlled by VFDs that could modulate the motor speed in response to the CO levels in the garage. The CO levels in the garage are monitored by a MSA CO Detection system that can provide a 4-20 ma analog signal to the VFD that is in proportion to the CO Levels. Was this functionality used or do the fans and blower operate a one or two set speeds only?

Response: Two set speeds, on and high.

8. **Question:** Can there be a formal second site visit, sometime next week?

Response: Proposers can revisit the site by making a request and scheduling in advance. Contact Mary Wheeler.

9. **Question:** During the bidding period, can we visit the public areas in the garages on our own to look at equipment that is not within locked rooms?

Response: Proposers can visit the public areas of the garages at any time.

10. **Question:** Were motion detectors connected to the ventilation systems installed in either of the garages?

Response: Not that we are aware of.

11. **Question:** Does "replacement of the ventilation" mean replacing the entire ventilation systems including all fans, blower, motors, motor controllers, CO monitoring system and their controls?

Response: No. We wish to preserve as much of the existing systems equipment as possible if it can be reused. Only replace the minimum amount of equipment necessary in order to achieve the desired functionality.

12. **Question:** Does "modification" mean that the existing fans, blower, motors, motor controllers, CO monitoring system and their controls can be reused with modifications?

Response: Yes.

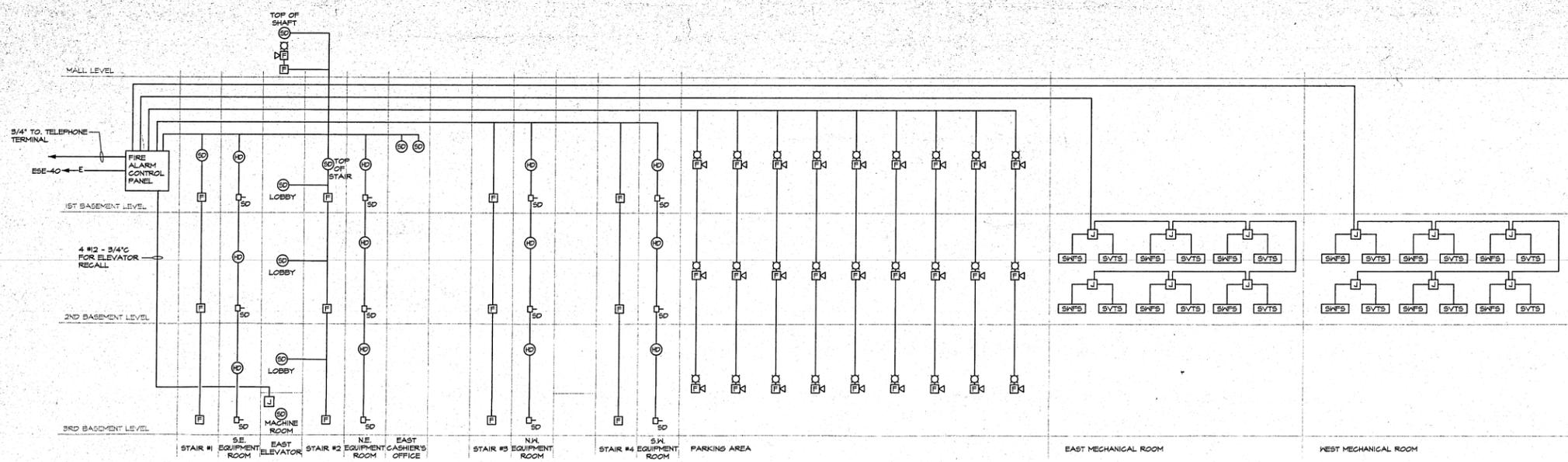
END OF ADDENDUM ONE

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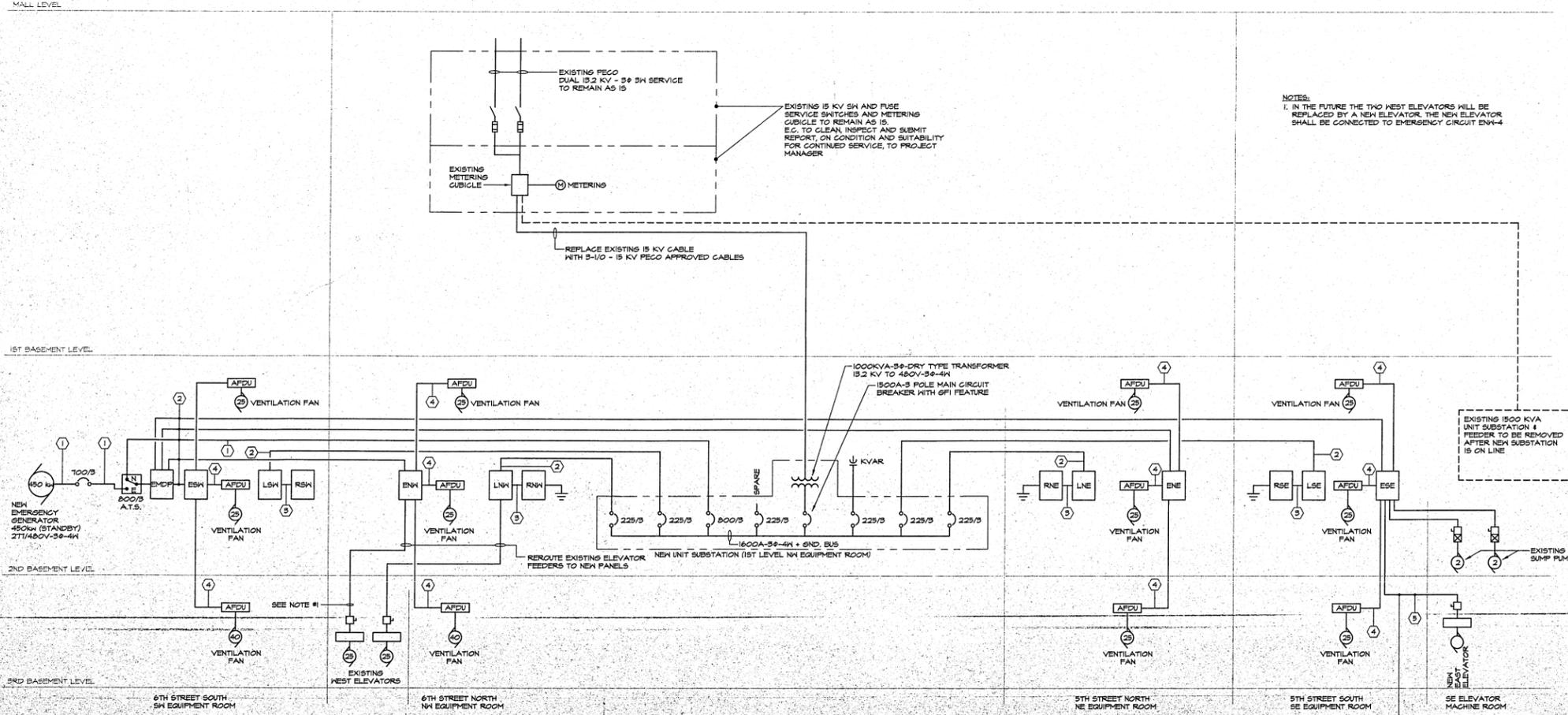
FIRE ALARM SYSTEM NOTES
 1. TYPE, SIZE AND NUMBER OF WIRES AND CONDUIT SHALL BE AS SPECIFIED BY THE FIRE ALARM SYSTEM VENDOR

2 **DETAIL - NEW FIRE ALARM SYSTEM RISER**
 E5 SCALE: NONE

FEEDER SCHEDULE

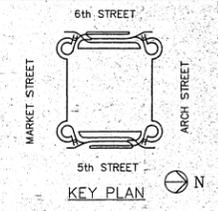
FEEDER TYPE	PHASE CABLE		NEUTRAL CABLES		GROUND CABLES		RACEWAY		REMARKS
	NO.	SIZE	NO.	SIZE	NO.	SIZE	NO.	SIZE	
(1)	6	500 MCM	2	500 MCM	1	1/0	2	3 1/2"	
(2)	3	#4/0	1	4/0	1	#2	1	2 1/2"	
(3)	3	#6	-	-	1	#10	1	3/4"	
(4)	3	#6	-	-	1	#10	1	3/4"	
(5)	3	#2	-	-	1	#6	1	1 1/4"	

NOTES:
 1. ALL FEEDER CABLES SHALL BE TYPE THW-2, COPPER CONDUCTOR



NOTES:
 1. IN THE FUTURE THE TWO WEST ELEVATORS WILL BE REPLACED BY A NEW ELEVATOR. THE NEW ELEVATOR SHALL BE CONNECTED TO EMERGENCY CIRCUIT ENH-4

EXISTING INFORMATION NOTE:
 THE EXISTING INFORMATION SHOWN ON THIS DRAWING WAS TAKEN FROM DRAWINGS PREPARED FOR THE DEVELOPMENT OF INDEPENDENCE MALL, DATED MAY 15, 1964. THE DRAWINGS WERE PREPARED BY HARRISON HUGH LIVINGSTON & LARSON, PHILADELPHIA.



Revisions

No.	Date	Description

Project
 INDEPENDENCE MALL
 PARKING GARAGE

Drawing
 ELECTRICAL POWER,
 LIGHTING AND FIRE
 ALARM SINGLE LINE
 DIAGRAMS

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Scale AS NOTED
Job 559.038
Date 14.26.78.00
Drawn MS/SP
Sheet E5

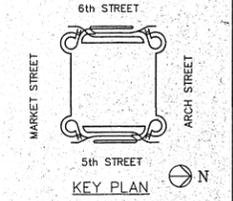
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 WERE PREPARED BY HARBERSON HOUGH
 LIVINGSTON & LARSON, PHILADELPHIA.



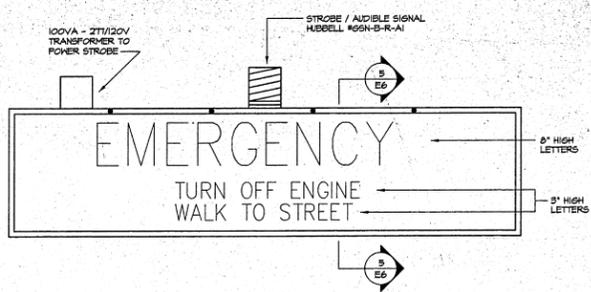
Revisions		
No.	Date	Description

Project
INDEPENDENCE MALL PARKING GARAGE

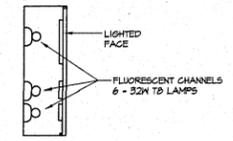
Drawing
 ELECTRICAL RISER DIAGRAMS

Scale	Job	Sheet
AS NOTED	559.038 14,2678.00	E6
Drawn	Date	
MS/SP	12-14-98	

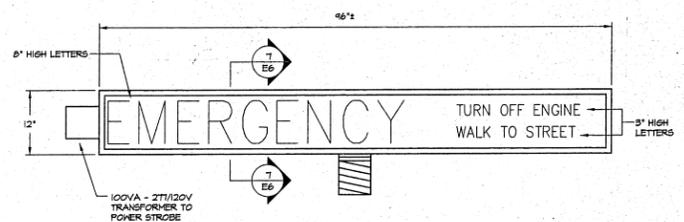
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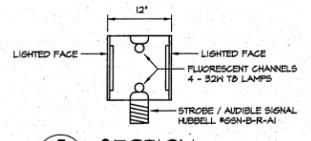
4 EMERGENCY SIGN - TYPE "A"
 SCALE: NONE



5 SECTION
 SCALE: NONE

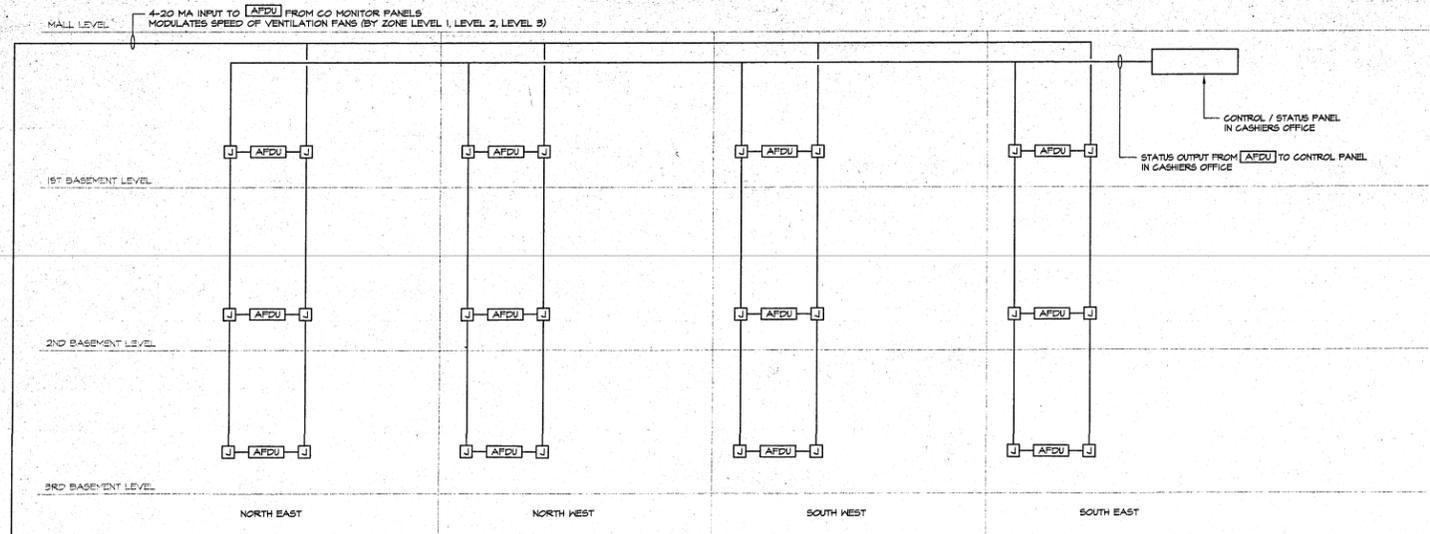


6 EMERGENCY SIGN - TYPE "B"
 SCALE: NONE

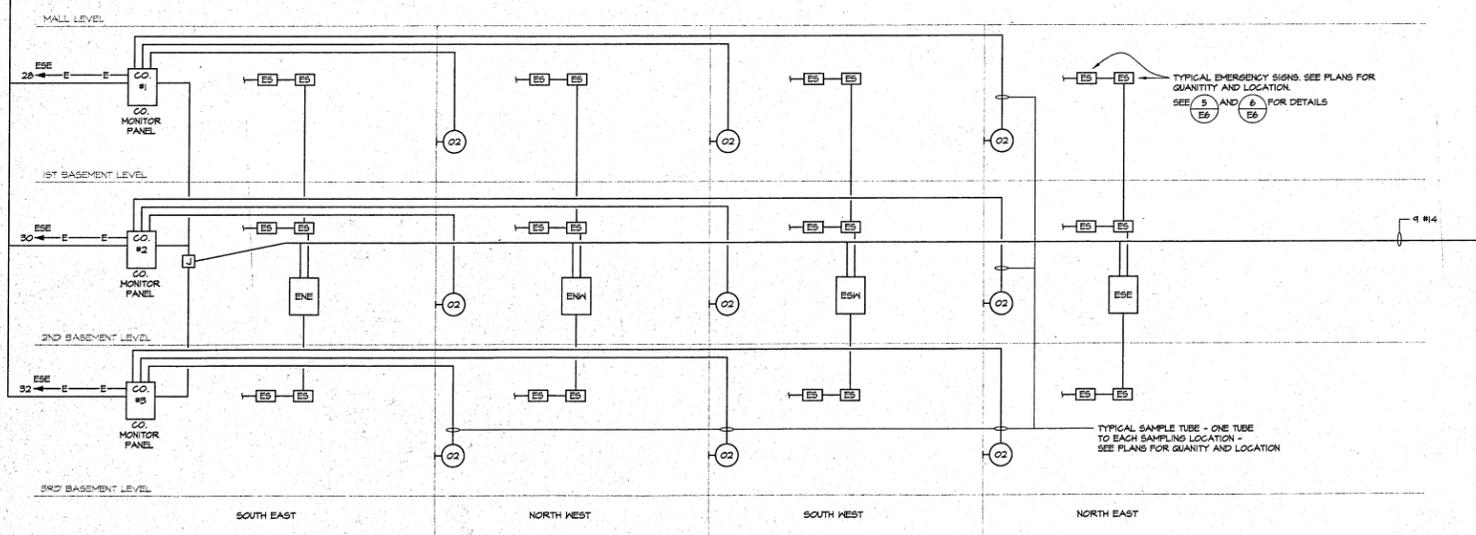


7 SECTION
 SCALE: NONE

- EMERGENCY SIGN NOTES**
- FRONT HINGED DOOR TO HAVE FLAT WHITE ACRYLIC DIFFUSER WITH BLACK LETTERS (EMBEDDED TO INSIDE. LETTERS SHOULD NOT BE VISIBLE UNTIL LAMPS ARE LIGHTED)
 - BODY OF SIGN SHALL BE 1/8 GA. ALUMINUM - PAINT INTERIOR WHITE.
 - SUBMIT SHOP DRAWINGS FOR APPROVAL.



1 RISER DIAGRAM FAN STATUS, AND ALARM SYSTEMS
 SCALE: N.T.S.



2 RISER DIAGRAM FOR CARBON MONOXIDE MONITORING SYSTEM
 SCALE: N.T.S.

LEVEL	LIGHTING CONTROL	FAN STATUS				PUMP STATUS				CARBON MONOXIDE MONITORING SYSTEM			
		PARKING AREA	NORTH EAST	NORTH WEST	SOUTH EAST	SOUTH WEST	EAST SEWAGE	WEST SEWAGE	SUMP	ELEVATOR PIT SUMP	WARNING	ALARM	TROUBLE
LEVEL 1	ON OFF TROUBLE	ON OFF TROUBLE	ON OFF TROUBLE	ON OFF TROUBLE	ON OFF TROUBLE						ON	ON	ON
LEVEL 2	ON OFF TROUBLE	ON OFF TROUBLE	ON OFF TROUBLE	ON OFF TROUBLE	ON OFF TROUBLE	HIGH WATER	HIGH WATER				ON	ON	ON
LEVEL 3	ON OFF TROUBLE	ON OFF TROUBLE	ON OFF TROUBLE	ON OFF TROUBLE	ON OFF TROUBLE			HIGH WATER	HIGH WATER		ON	ON	ON

- NOTES**
- FURNISH NEH ENGRAVED LAMINATED HINGED FRONT FOR EXISTING BACKBOX
 - ALL PILOT LIGHTS ARE SQUARE D TYPE "KATA" VOLTAGE WIRING PER DIAGRAM ON - GREEN LENS OFF - WHITE LENS TROUBLE - ORANGE ALARM - RED
 - SUBMIT SHOP DRAWING FOR APPROVAL

3 CONTROL & STATUS PANEL DETAIL LOCATED IN CASHIERS OFFICE
 SCALE: N.T.S.

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