

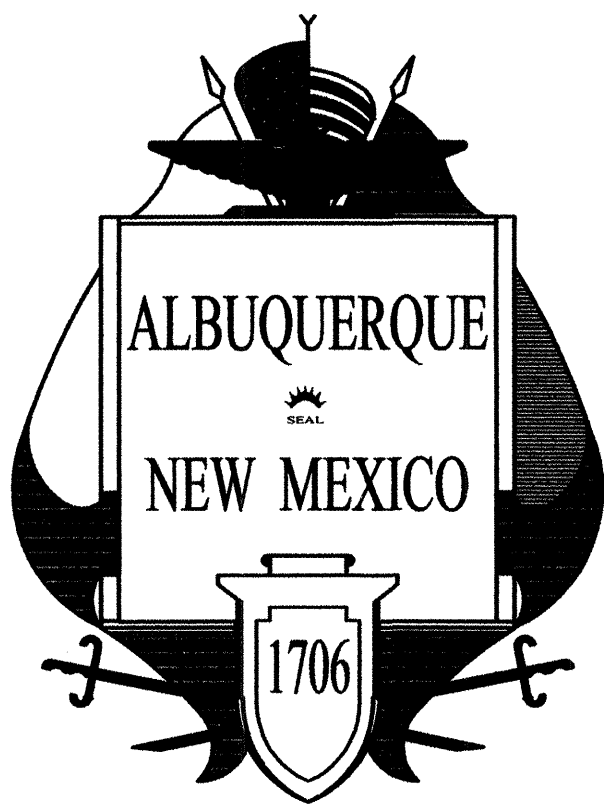
YALE TRANSIT FACILITY

Bus Storage Building Renovation

CITY OF ALBUQUERQUE

TRANSIT DEPARTMENT

601 YALE, SE
ALBUQUERQUE, NEW MEXICO 87106



CONSTRUCTION DOCUMENTS

FEBRUARY 25, 2003

NOTICE TO CONTRACTOR

- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) AND DETERMINE LOCATION OF EXISTING UTILITIES.
- PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT SO THAT THE CONFLICT CAN BE RESOLVED WITHOUT DELAY.
- ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, RESTORED AND RE-SET BY THE CONTRACTOR.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE FOR ANY WORK IN THE RIGHT OF WAY.
- CONTRACTOR SHALL PERFORM AS MUCH WORK AS POSSIBLE WITHIN THE SITE AND OUTSIDE OF THE EXISTING TRAFFIC LANES.
- ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES 24 HOURS CONSTRUCTION.
- CONTRACTOR SHALL PHASE THE WORK SUCH THAT NO MORE THAN 3-BAYS ARE UN-USEABLE AT ANY TIME. (NOTE - ALTERNATE BID NO. 1: OWNER WILL RELOCATE BUSES SUCH THAT ENTIRE BUILDING IS AVAILABLE FOR CONTRACTORS USE (SEE PROJECT MANUAL).

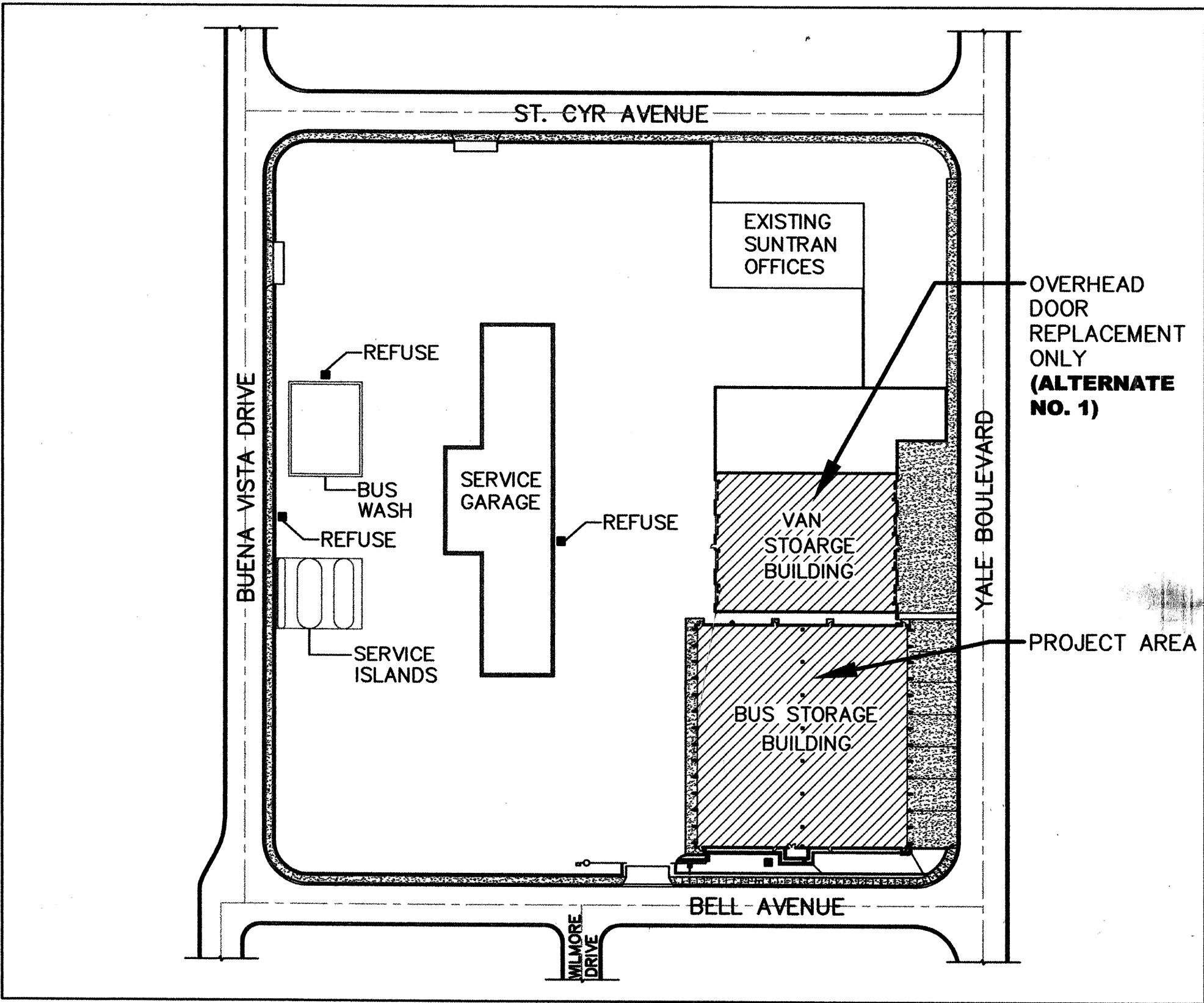
CODE DATA

CODE	UBC NMBC
OCCUPANCY CLASSIFICATION	S-3
TYPE OF CONSTRUCTION	II-1 HR.
AREA	31,944 S.F. (GROSS)
OCCUPANT LOAD FACTOR @ 1:300	107 OCCUPANTS

INDEX TO DRAWINGS

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A3	5 OF 17	ARCHITECTURAL ROOF PLAN - BUS STORAGE FACILITY
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E3	13 OF 17	LIGHTING PLAN
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E7	17 OF 17	ELECTRICAL SCHEDULE AND DETAILS

LOCATION MAPS



SITE PLAN

FOR INFORMATION ONLY
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6501 AMERICAS PARKWAY NE., SUITE 550, ALBUQUERQUE, NEW MEXICO 87110

1	G1, A1, A2, A6, M1, M2, E1-E7	6/18/04							
REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE		
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****				
		BRC Chairman	<i>[Signature]</i>	6/24/04	APPROVED FOR CONSTRUCTION <i>[Signature]</i> 6/29/04 City Architect Date <i>[Signature]</i> 6-24-04 City Engineer Date				
		Transportation	<i>[Signature]</i>	6/24/04					
		Water/Wastewater	<i>[Signature]</i>	6/24/04					
		Hydrology	<i>[Signature]</i>	6/24/04					
		Parks	<i>[Signature]</i>	6/24/04					
		Const. Coordinator							
		PROJECT NO.	6697. 01		SHEET 01 OF 15				

DRB NO.: N.A.

1	2	3	4	5	6	7	8	9	10
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QUOTE
 CONTRACT

%—RENOVATION
 %—IMPROVATIONS

Mo. / Day / Yr.	Mo. / Day / Yr.

Sheet A1 of 2 15

SCALE: $3/32"=1'-0"$

1. REMOVE ALL EXISTING HIGH BAY LIGHT FIXTURES.
2. REPAIR, ADJUST, AND LUBRICATE ALL O/H DOORS, TYPICAL. REPLACE DAMAGED SLATS AT CURTAINS AS INDICATED (SEE DOOR SCHEDULE).
3. REMOVE & REPLACE ALL O/H DOOR OPERATORS (26 EA.) WITH NEW NEMA UNITS, SEE ELECTRICAL. CONTRACTOR TO SALVAGE ALL UNITS, CONTACT OWNER FOR INSTRUCTIONS.
4. REMOVE SPRAY INSULATION FROM ROOF CONCRETE TEES THROUGHOUT.
5. REMOVE ALL METAL TRENCH GRATES AND THOROUGHLY STEAM CLEAN GRATES, TRENCHES AND PIPING.
6. REMOVE EXISTING ROOF MOUNTED EXHAUST FANS (6 EA.) AND PREPARE OPENINGS FOR NEW UNITS, SEE MECHANICAL.
7. REMOVE EXISTING SKYLIGHTS (4 EA.) FOR NEW VENTILATION, SEE DETAIL 5/A6 AND MECHANICAL.
8. EXISTING COLUMNS TO REMAIN, TYPICAL.
9. EXISTING ELECTRICAL SERVICE TO BE REMOVED (SEE ELECTRICAL).
10. EXISTING OIL/WATER SEPARATOR. REMOVE EXISTING SAND, CLEAN, AND REPLACE WITH NEW SAND.

	LIGHT FIXTURE TO BE REMOVED
	EXHAUST FAN TO BE REMOVED
	INSULATION TO BE REMOVED FROM CONCRETE TEES
	DOOR NUMBER
	SKYLIGHT ABOVE, SEE DETAIL 3/A6

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CITY OF ALBUQUERQUE
TRANSIT DEPARTMENT

TITLE: YALE TRANSIT FACILITY-RENOVATION
DEMOLITION PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo. / Day / Yr.	Mo. / Day / Yr.

City Project No. 6697.01	Zone Map No. L-15-Z	Sheet D1	of 3	15
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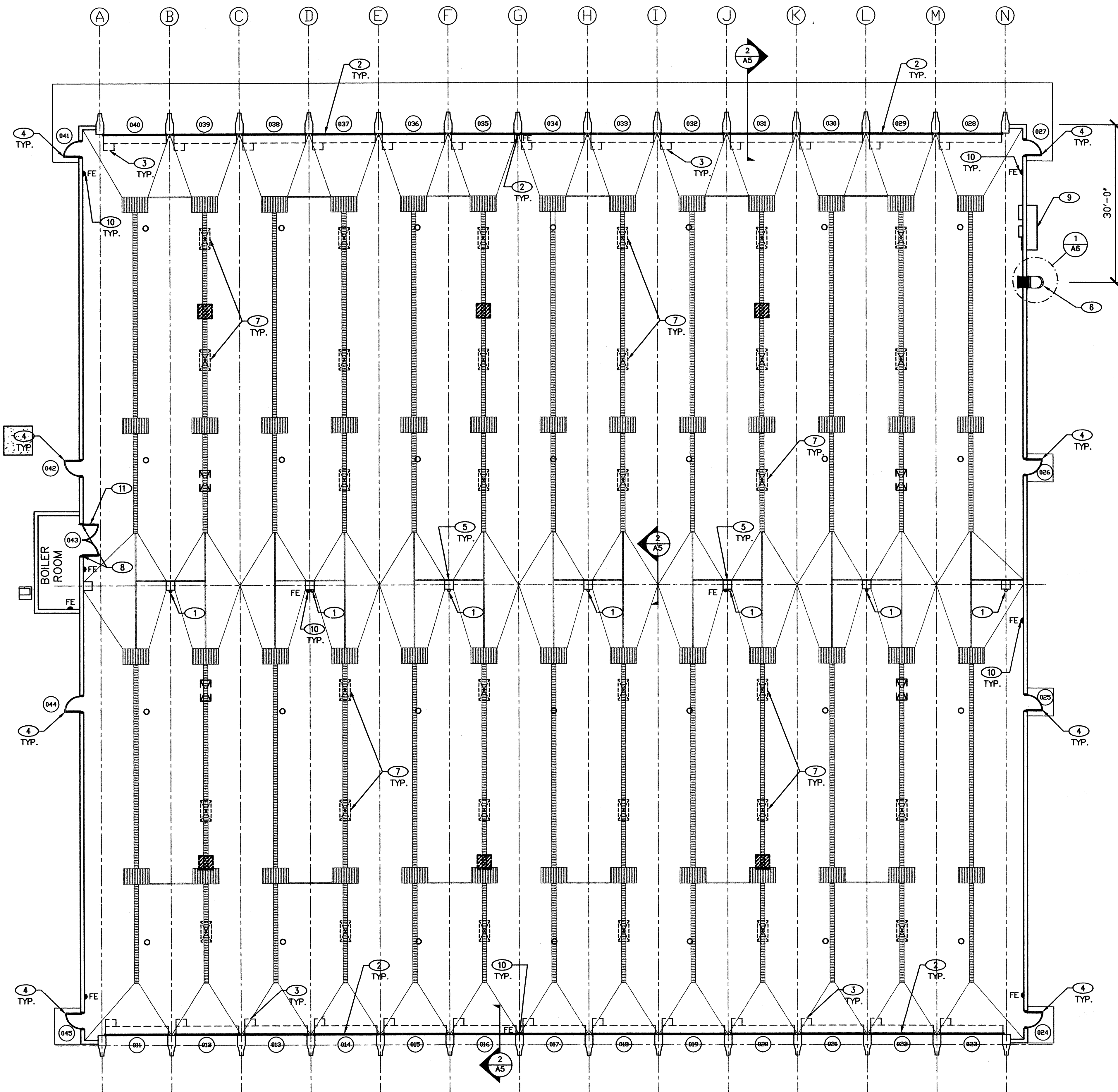
STATE OF NEW MEXICO
JOHN L. GARRARD
1858
REGISTERED ARCHITECT

[illegible]

FIELD NOTES		CONTRACTOR	
NO.	BY	DATE	
			WORK
			STARTED BY
			DATE
			ACCEPTANCE BY
			DATE
			FIELD VERIFICATION BY
			DATE
			DRAWINGS
			CREATED BY
			DATE
			<i>MICRO-FILM INFORMATION</i>
			RECORDED BY
			DATE
			NO.

FIELD NOTES

G:\proj\14019801\ACAD\DD\019801AFP01R2.dwg



**BUS STORAGE
FLOOR PLAN**
SCALE: 3/32"=1'-0"

KEYED NOTES (C)

1. CARBON MONOXIDE (CO) DETECTOR (7 EA.), SEE ELECTRICAL.
2. REPAIR AND SERVICE ALL O/H DOORS, SEE DOOR SCHEDULE, TYPICAL.
3. REMOVE & REPLACE ALL O/H DOOR OPERATORS (26 EA.) WITH NEW NEMA APPROVED UNITS, SEE ELECTRICAL. CONTRACTOR TO SALVAGE ALL UNITS, CONTACT OWNER FOR INSTRUCTIONS.
4. ALL HM DOORS TO RECEIVE NEW HARDWARE, SEE DOOR SCHEDULE & SPECS.
5. EXISTING COLUMNS TO REMAIN, TYPICAL.
6. NEW ACCESS LADDER, SEE DETAIL 1/A6.
7. EXISTING SKYLIGHTS TO REMAIN, SEAL OPENING PER DETAIL 3/A6, TYPICAL.
8. INSTALL NEW SMOKE SEAL MATERIAL AND NEW FLUSH BOLT ON BOILER ROOM DOORS, SEE DOOR SCHEDULE & SPECS.
9. NEW ELECTRICAL SERVICE, SEE ELECTRICAL.
10. EXISTING FIRE EXTINGUISHERS (ABC, DRY CHEM.) TO REMAIN, TYPICAL OF 11.
11. INSTALL NEW PERMANENT "NO STORAGE" SIGNAGE ON BOILER ROOM DOOR.

LEGEND

- EXISTING TRENCH DRAIN-STEAM CLEAN
- OVERHEAD DOOR/OPERATOR
- ACCESS LADDER
- CONCRETE COLUMN
- DOOR NUMBER
- SKYLIGHT ABOVE, SEE DETAIL 3/A6
- FIRE EXTINGUISHER

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CITY OF ALBUQUERQUE
TRANSIT DEPARTMENT

TITLE: **YALE TRANSIT FACILITY-RENOVATION
FLOOR PLAN**

Design Review Committee City Engineer Approval

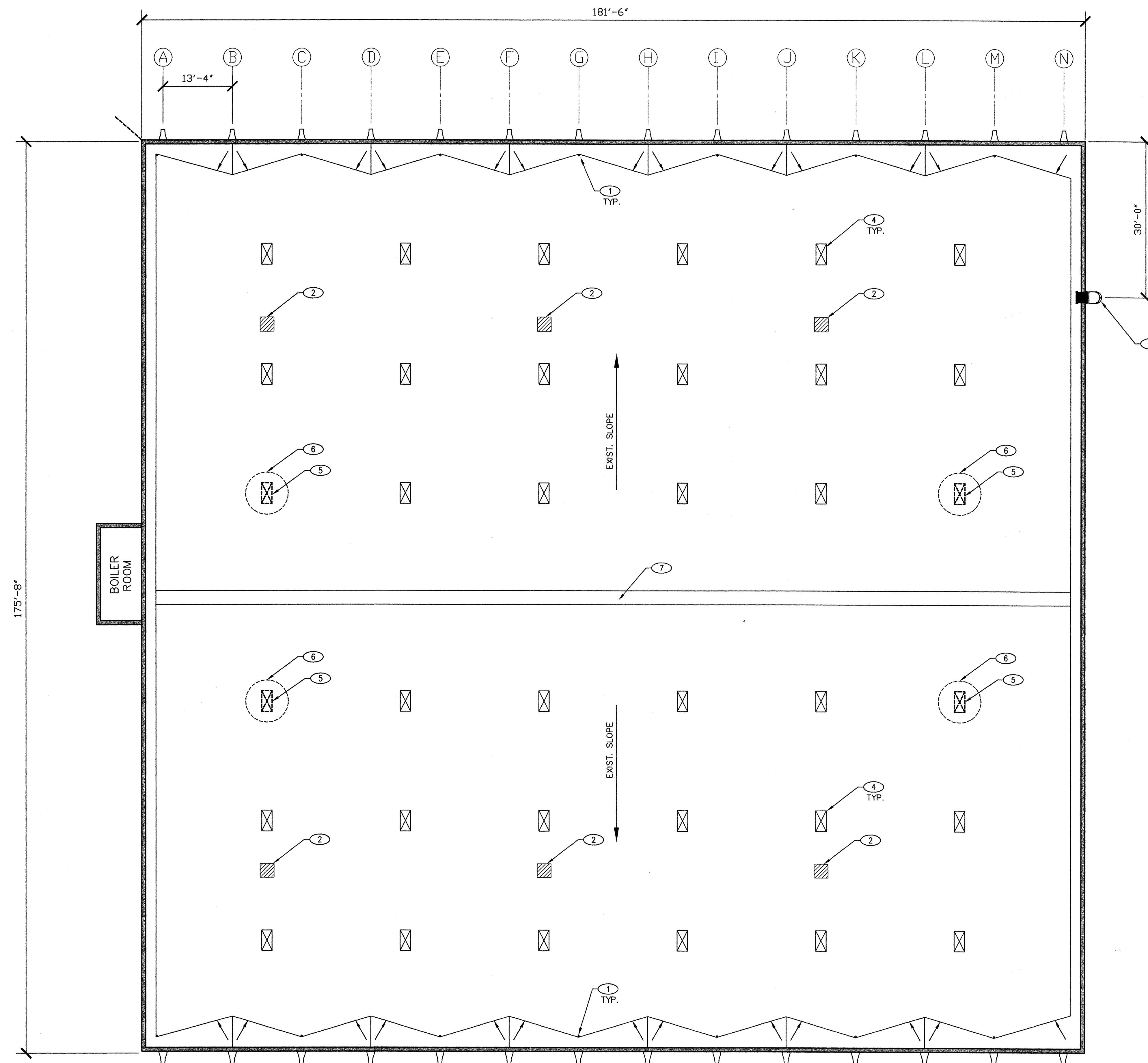
City Project No. 6697.01 Zone Map No. L-15-Z

Sheet A2 of 4 15

AS BUILT INFORMATION		CONTRACTOR		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		CITY PERMIT COMMENTS		REVISIONS		DESIGN		DRAWN BY		CHECKED BY	
WORKED BY	DATE	INSPECTED BY	DATE	FIELD NOTES	NO.	BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
SEAL OF NEW MEXICO JOHN L. JARRARD 1858 REGISTERED ARCHITECT																			
DESIGNED BY DRAWN BY CHECKED BY																			

KEYED NOTES (⊙)

1. EXISTING ROOF DRAINS TO REMAIN.
2. EXISTING SKYLIGHT OPENING TO BE REUSED, SEE MECH.
3. NEW ACCESS LADDER.
4. EXISTING SKYLIGHTS TO REMAIN. TYPICAL.
5. EXISTING SKYLIGHT PENETRATION TO BE REUSED, SEE MECH.
6. ROOF MOUNTED MECHANICAL EQUIPMENT, SEE MECHANICAL.
7. EXISTING ROOF BEAM TO REMAIN.



LEGEND

- | | |
|---|---------------------------------|
|  | EXISTING SKYLIGHT TO REMAIN. |
|  | ACCESS LADDER |
|  | EXISTING ROOF DRAINS |
|  | EXISTING SKYLIGHT TO BE REMOVED |

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(505) 263-1100

CITY OF ALBUQUERQUE
TRANSIT DEPARTMENT

TITLE: YALE TRANSIT FACILITY-RENOVATION
ROOF PLAN

Design Review Committee	City Engineer Approval
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CITY ENGINEER

City Project No. 6697.01	Zone Map L-15-Z
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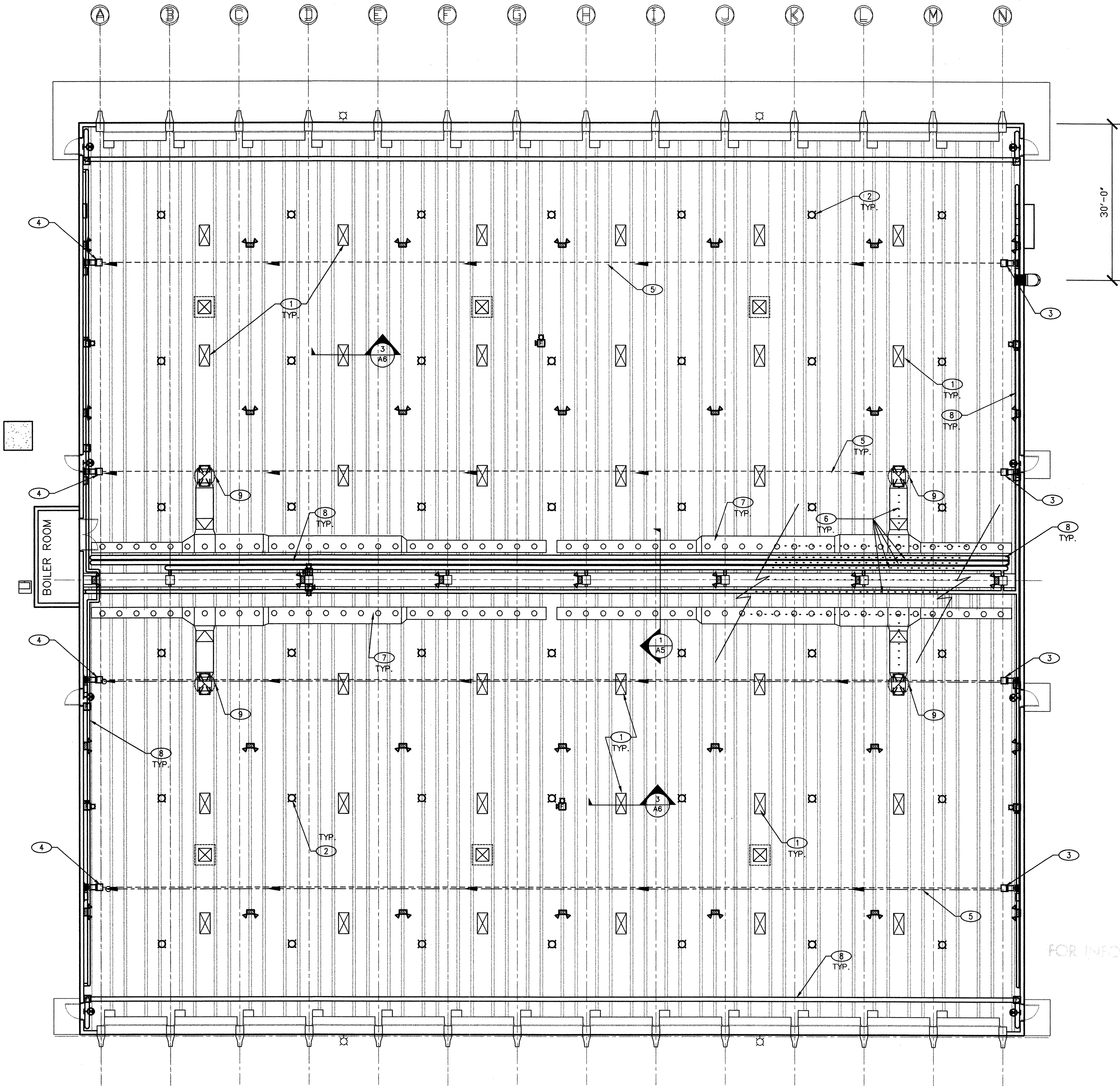
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CONTRACTOR	
WORK INSTALLED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

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BUS STORAGE
ROOF PLAN

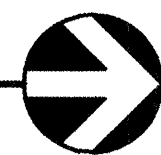
SCALE: $3/32" = 1'-0"$





BUS STORAGE REFLECTED CEILING PLAN

SCALE: $3/32"=1'-0'$



KEYED NOTES (⊙)

1. EXISTING SKYLIGHTS TO BE SEALED PER DETAIL 3/A6.
2. NEW LIGHT FIXTURE, SEE ELECTRICAL.
3. METHANE DETECTORS PLACED 40 FEET APART AND LOCATED AT 14' A.F.F. (SEE ELECTRICAL SHEET FOR DETAILS.)
4. BEAM RECEIVER LOCATED OPPOSITE TRANSMITTER.
5. BEAM PATH.
6. BIRD CONTROL DEVICE, TYPICAL. SEE SPECS.
7. COORDINATE WITH EXISTING PIPE LAYOUTS. SEE DETAIL 1/A5.
8. EXHAUST DUCT. (SEE MECHANICAL SHEETS.)
9. EXISTING HOT WATER PIPES TO REMAIN. SEE WALL SECTION 1/A5.
9. NEW ROOF MOUNTED EXHAUST FANS IN EXISTING ROOF PENETRATIONS (SEE MECHANICAL).

LEGEND

- | | |
|---|--|
|  | BIRD CONTROL DEVICE (SEE SPECS.) |
|  | OPEN PATH METHANE GAS DETECTOR
(SEE MECHANICAL) |
|  | EXISTING SKYLIGHT
SEAL OPENING PER DETAIL 3/A6. |
|  | EXIT LIGHT |
|  | HIGH BAY PENDENT TYPE LIGHT
(SEE ELECTRICAL) |
|  | EMERGENCY LIGHTING
(SEE ELECTRICAL) |
|  | FIRE ALARM DEVICE
(SEE MECHANICAL) |
|  | EXISTING EXTERIOR LIGHT |

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CITY OF ALBUQUERQUE
TRANSIT DEPARTMENT

TITLE: YALE TRANSIT FACILITY—RENOVATION
REFLECTED CEILING PLAN

Design Review Committee	City Engineer Approval	
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2020 11 20 15:20:41

City Engineer

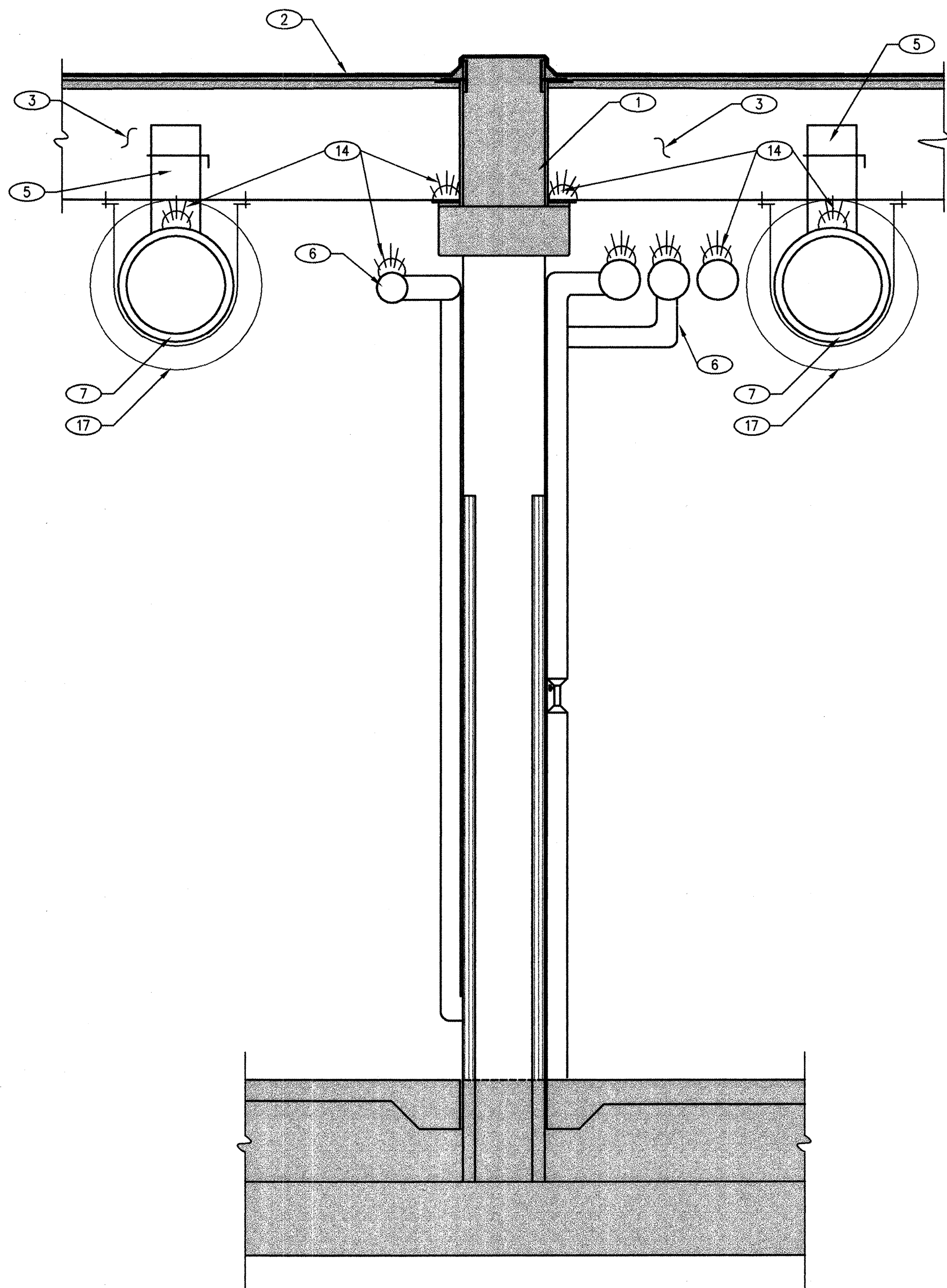
City Project No.	Zone Map No.
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Mo. / Day / Yr.	Mo. / Day / Yr.

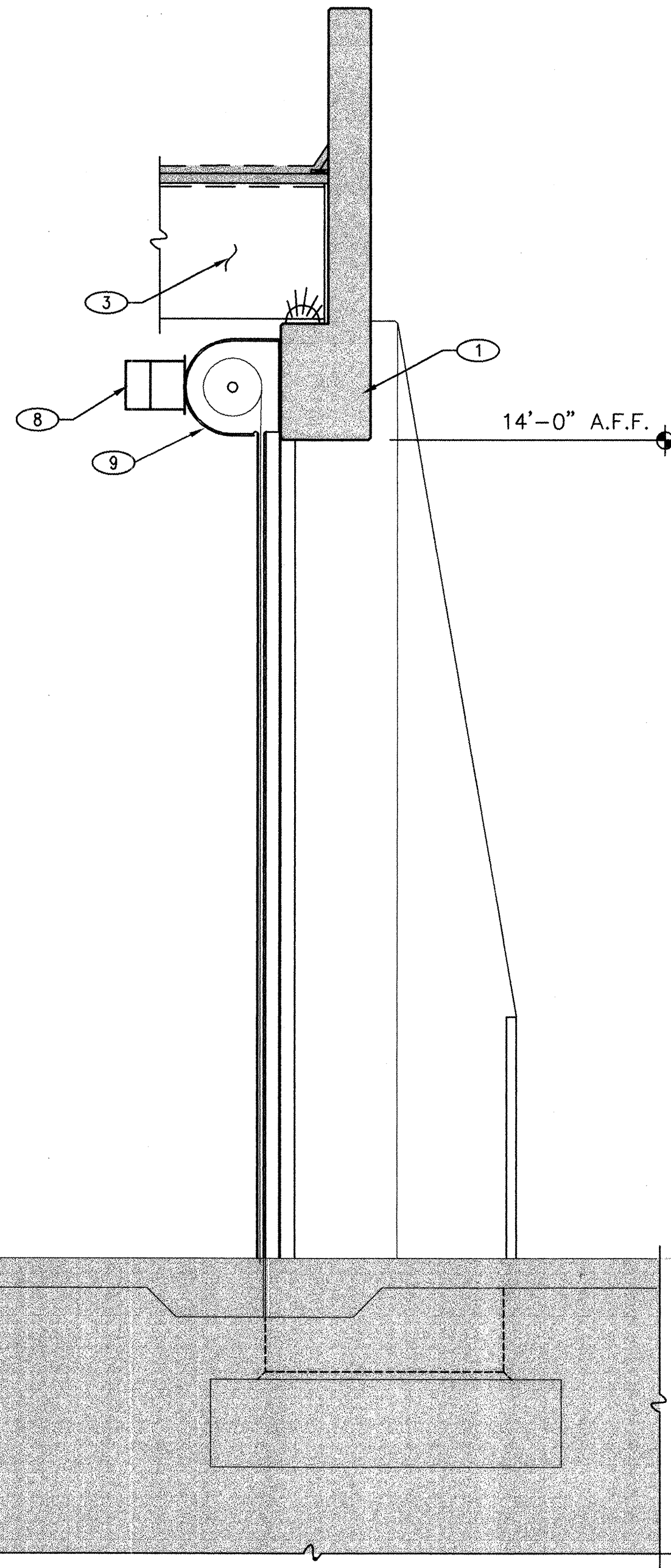
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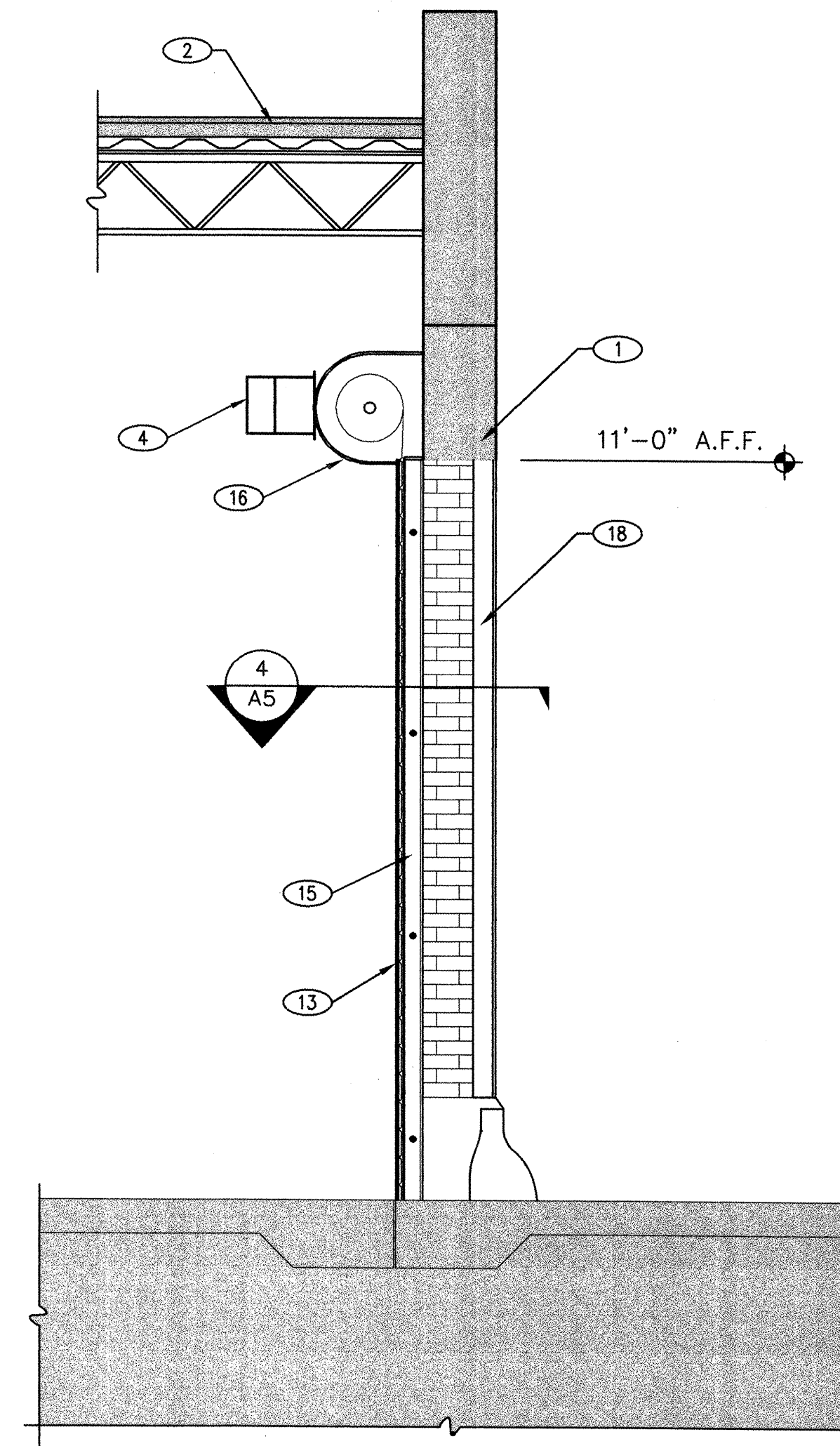
	A4	6	15
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1 SECTION @ EXHAUST DUCT
SCALE: 1/2"=1'-0"



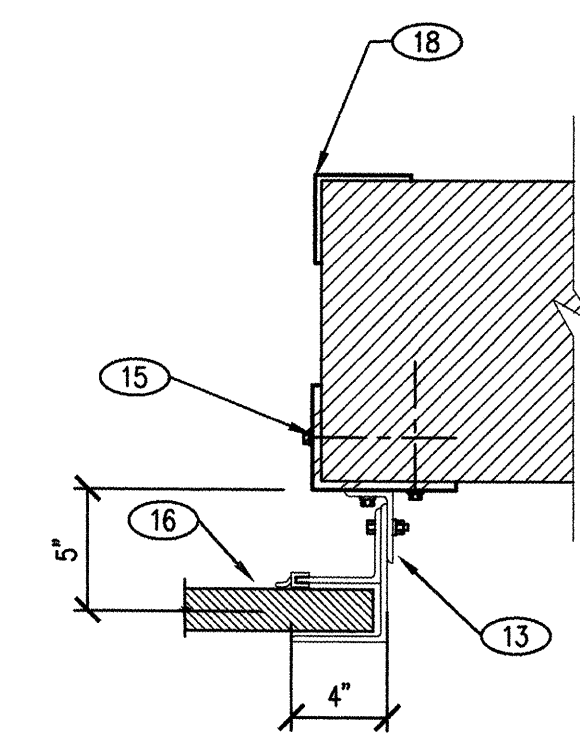
2 SECTION @ DOOR ASSEMBLY
SCALE: 1/2"=1'-0" (BUS STORAGE BUILDING)



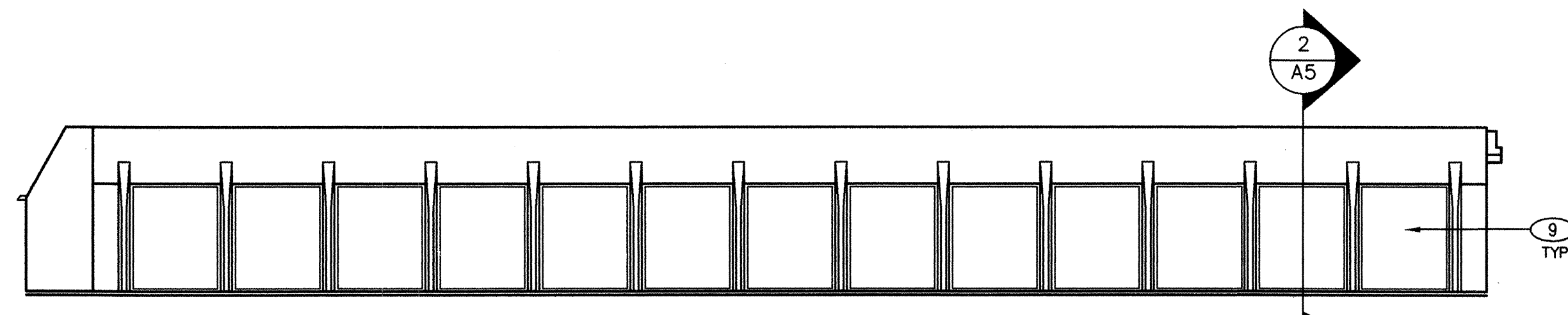
3 SECTION @ DOOR ASSEMBLY
SCALE: 1/2"=1'-0" (SERVICE GARAGE)

KEYED NOTES (C)

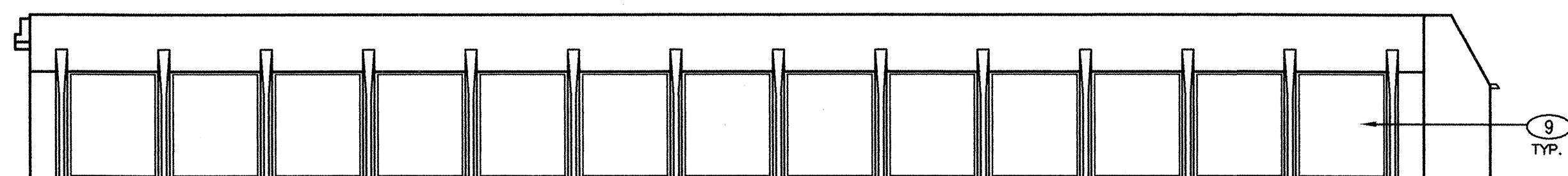
- EXISTING CONCRETE BEAM.
- EXISTING ROOF.
- EXISTING CONCRETE TEE. REMOVE ALL SPRAY-ON INSULATION.
- REMOVE EXISTING 3/4 HP (HORSEPOWER) MOTOR OPERATORS AND REPLACE WITH 1 HP OPERATORS SALVAGED FROM ADJACENT BUS STORAGE FACILITY. SEE DOOR SCHEDULE.
- EXHAUST RISER @ EACH BAY.
- EXISTING PIPING.
- DUCTWORK, SEE MECHANICAL.
- REMOVE EXISTING MOTOR ASSEMBLY AND REPLACE WITH NEW NEMA APPROVED MOTOR ASSEMBLY ON EXISTING BRACKET.
- EXISTING OVERHEAD COILING DOOR ASSEMBLY.
- NEW ACCESS LADDER. SEE DETAIL 1/A6.
- EXISTING PRE CAST CONCRETE WALL.
- EXISTING PERSONNEL DOOR.
- NEW SLAT GUIDE ASSEMBLY.
- BIRD CONTROL DEVICE. INSTALL CONTINUOUSLY ALONG PIPES AND CONCRETE BEAM LEDGES.
- NEW 6"x4"x3/8" STEEL ANGLE CONTINUOUS. SECURE W/ 1/2" Ø EXPANSION BOLTS @ 36" O.C.
- NEW OVERHEAD COILING DOOR (SEE SPECS.).
- DUCTWORK BEYOND.
- EXISTING CORNER GUARD.



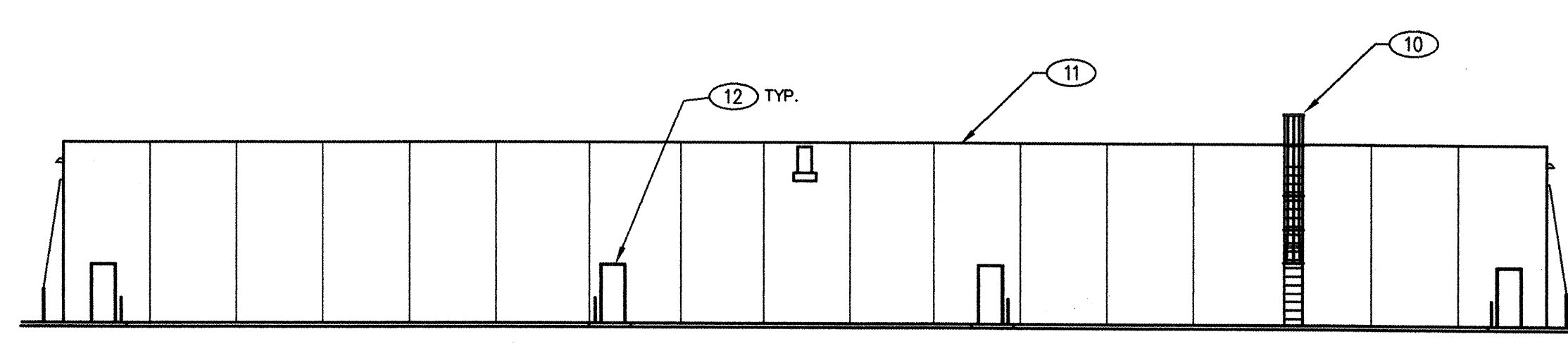
4 JAMB DETAIL
SCALE: 1 1/2"=1'-0"



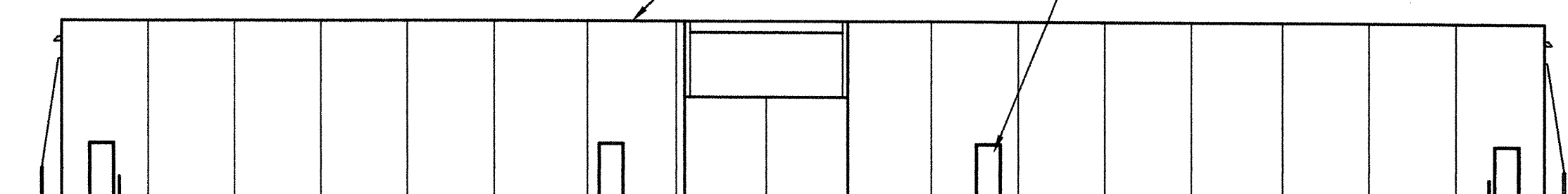
EAST ELEVATION (BUS STORAGE BUILDING)
SCALE: 1/16"=1'-0"



WEST ELEVATION (BUS STORAGE BUILDING)
SCALE: 1/16"=1'-0"



NORTH ELEVATION (BUS STORAGE BUILDING)
SCALE: 1/16"=1'-0"



SOUTH ELEVATION (BUS STORAGE BUILDING)
SCALE: 1/16"=1'-0"

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEERS SEAL		REVISIONS		DESIGN		DATE		DATE	
CONTRACTOR	DATE	INSPECTOR'S	DATE	FIELD	DATE	NO.	BY	REMARKS	NO.	DATE	DESIGNED BY	DATE	DRAWN BY	DATE	CHECKED BY

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CITY OF ALBUQUERQUE
TRANSIT DEPARTMENT

TITLE: **YALE TRANSIT FACILITY-RENOVATION
WALL SECTIONS/ELEVATIONS**

Design Review Committee

City Engineer Approval

Last Design Update

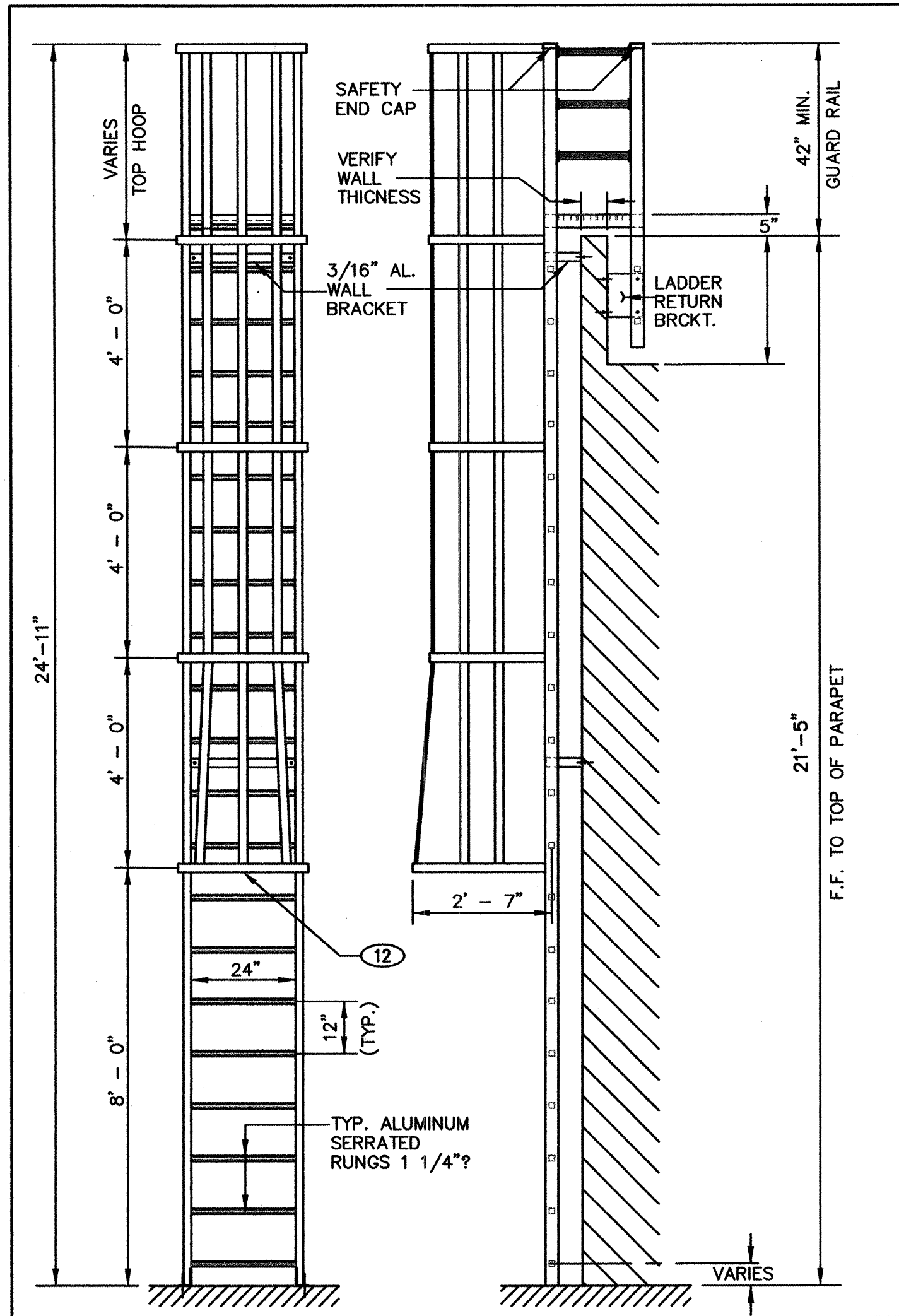
City Project No.
6697.01

Zone Map No.
L-15-Z

Sheet
A5

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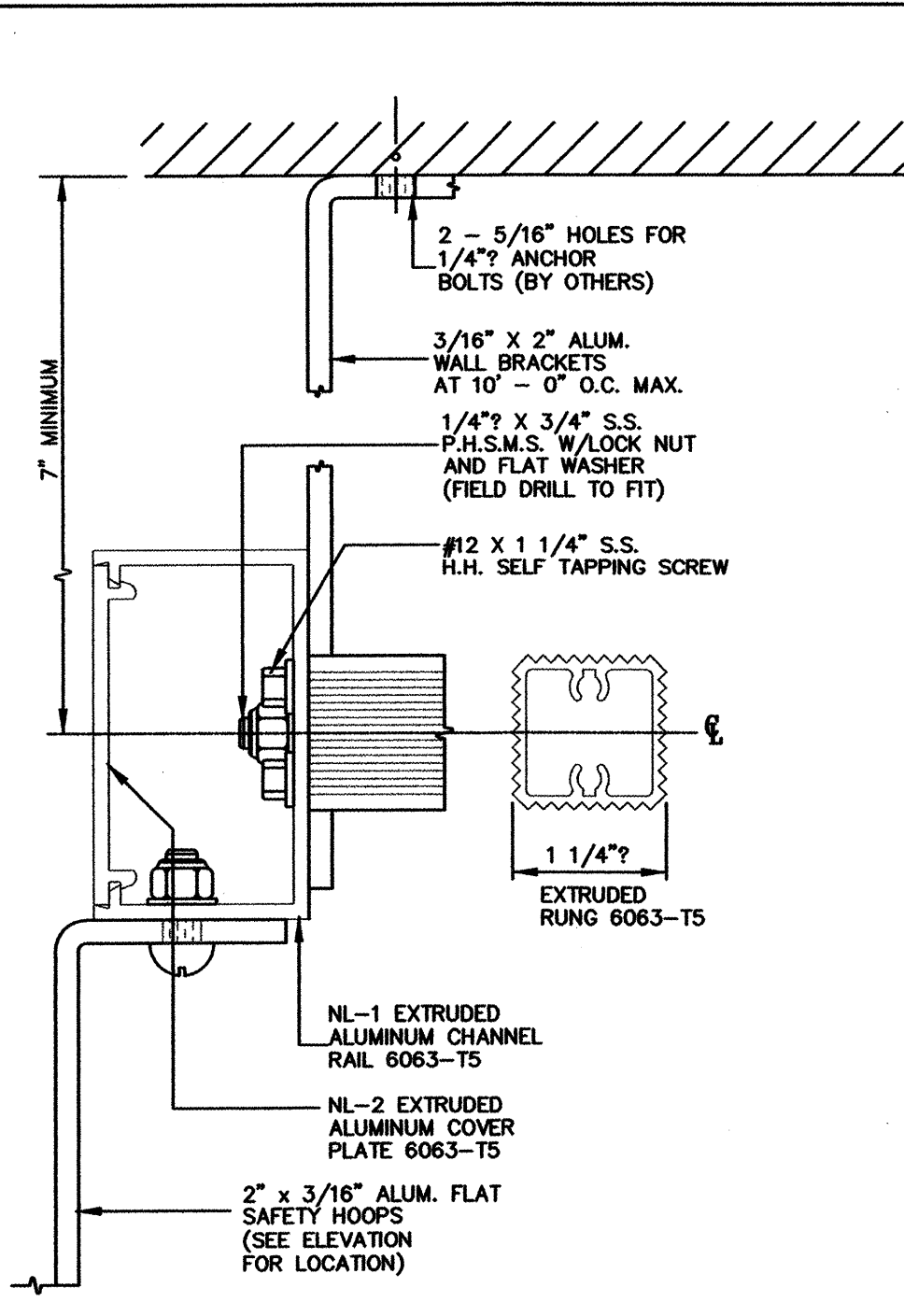
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FRONT ELEVATION
SCALE: N.T.S.

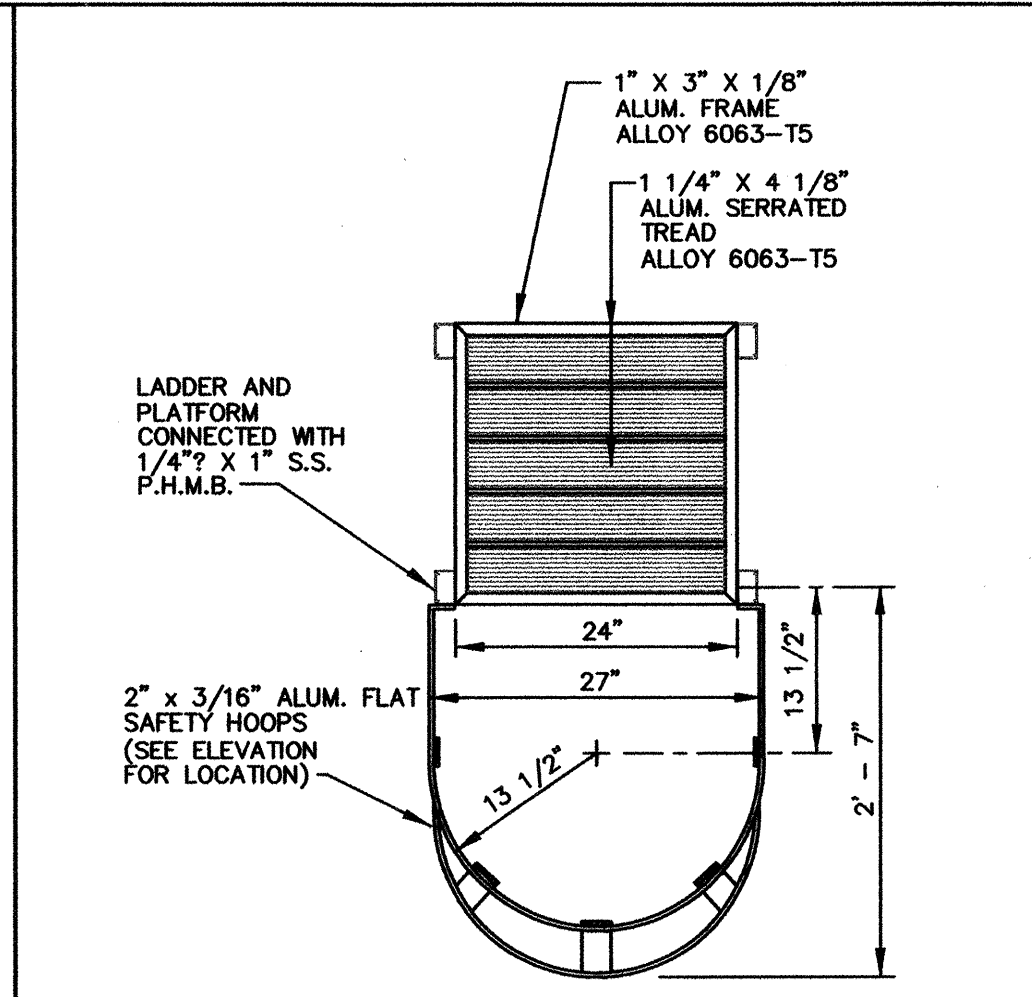
SIDE ELEVATION
SCALE: N.T.S.

1 CAGE LADDER
SCALE: N.T.S.

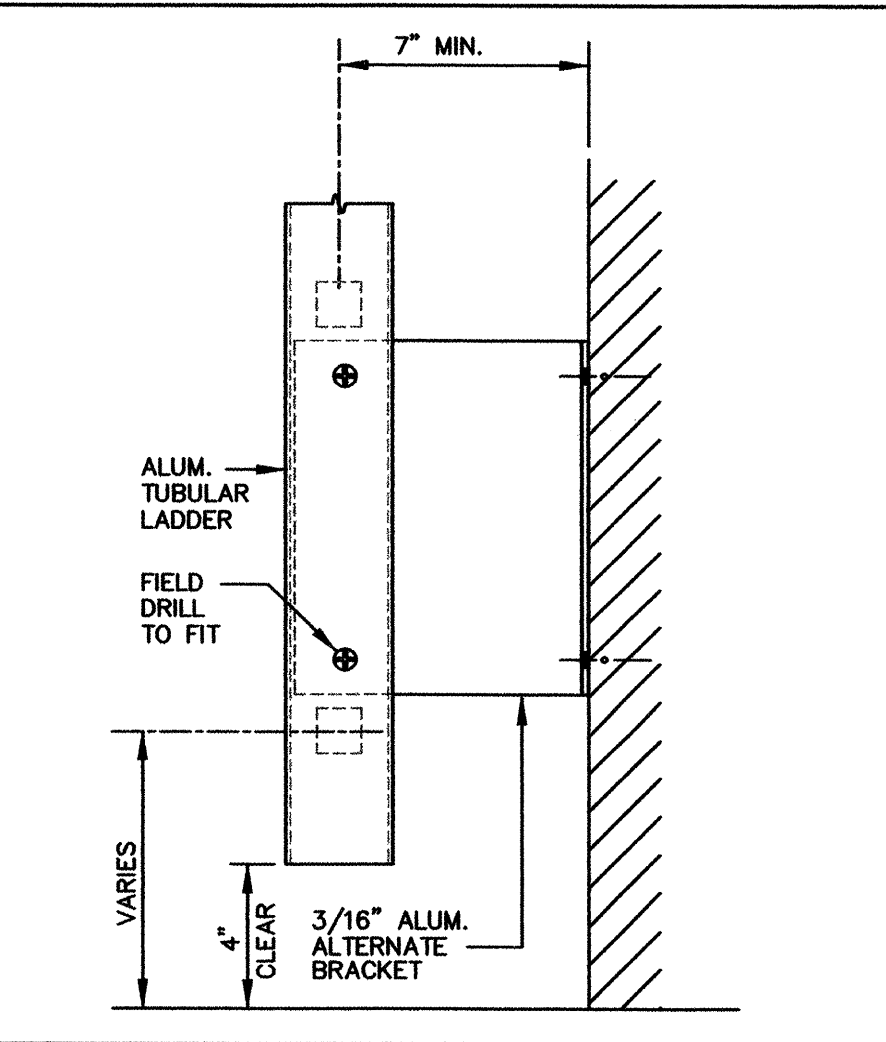


LADDER DETAILS
SCALE: N.T.S.

2 INSULATION REMOVAL @ PRECAST DBL TEE
SCALE: 3/4"=1'-0"



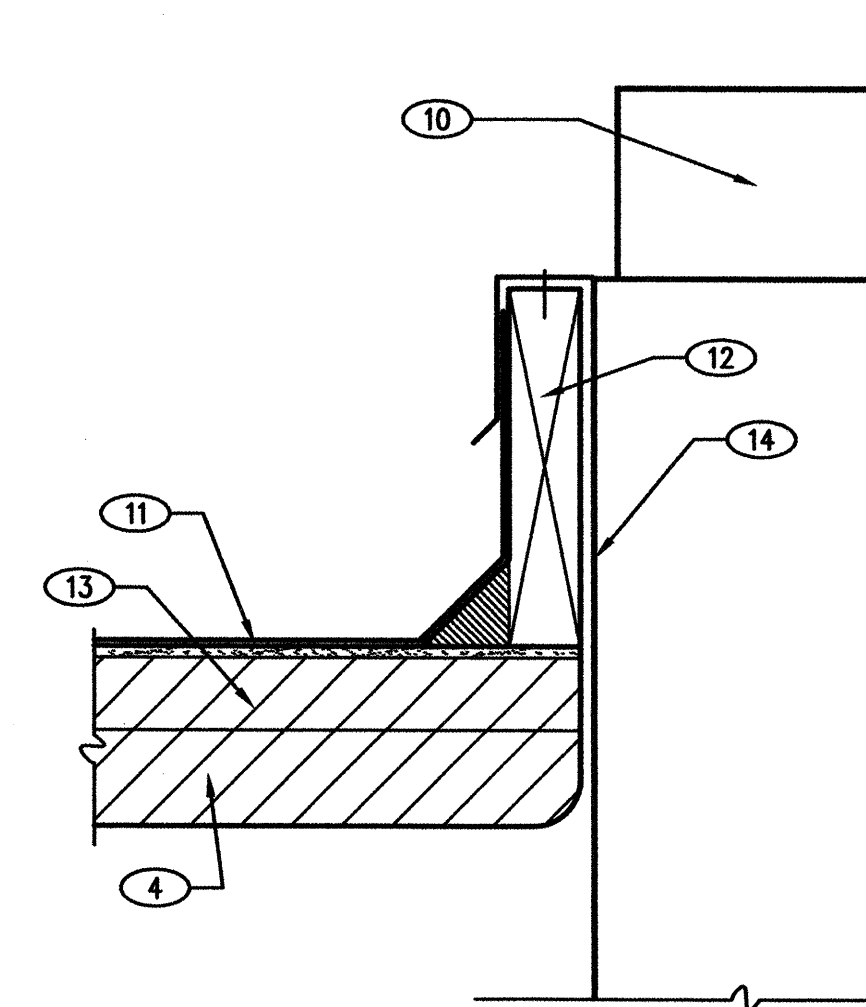
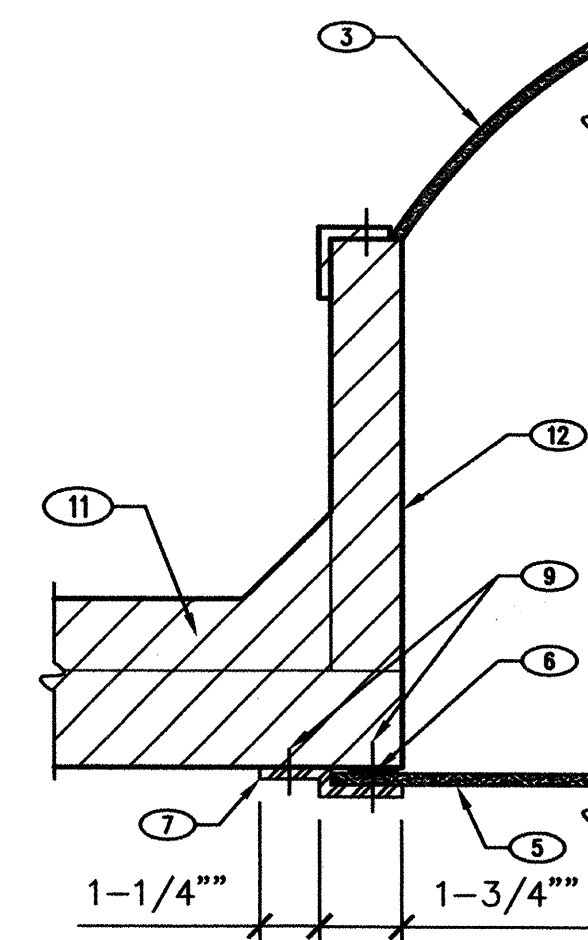
PLATFORM PLAN
SCALE: N.T.S.



ALTERNATE BOTTOM SUPPORT
SCALE: N.T.S.

3 SKYLIGHT DETAIL
SCALE: 3"=1'-0"

- KEYED NOTES** (C)
- TOP SURFACE OF PRECAST TEE.
 - EXISTING SPRAYED ON INSULATION TO BE REMOVED.
 - EXISTING SKYLIGHT DOME TYPICAL.
 - EXISTING CONCRETE DOUBLE TEE.
 - NEW 1/4" PLEXIGLASS PANEL.
 - NEOPRENE GASKET.
 - 1/4" ALUMINUM Z BRACKET.
 - EXISTING RIGID INSULATION TO REMAIN.
 - 3/8" EXPANSION ANCHORS AT 12" ON CENTER.
 - NEW MECHANICAL EQUIPMENT ON EXISTING ROOF CURB.
 - EXISTING ROOF MATERIAL.
 - EXISTING ROOF CURB.
 - EXISTING RIGID INSULATION TO REMAIN.
 - NEW DUCTWORK.



4 ROOF PENETRATION ENCLOSURE
SCALE: 3"=1'-0"

DOOR AND FRAME SCHEDULE													
MARK	DOOR			LOUVER	FRAME			FIRE RATING LABEL	HARDWARE			NOTES	
	WD	HGT	THK		WD	HGT	THK		SET	NO	KEYSIDE		
001	16"	11'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	New o/h insulated, see spec.	
002	16"	11'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	New o/h insulated, see spec.	
003	3"	7'-0"	1 3/4"	HM	---	0"	0"	HM	---	---	---	No work required	
004	16"	11'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	New o/h insulated, see spec.	
005	16"	11'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	New o/h insulated, see spec.	
006	16"	11'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	New o/h insulated, see spec.	
007	16"	11'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	New o/h insulated, see spec.	
008	3"	7'-0"	1 3/4"	HM	---	0"	0"	HM	---	---	---	No work required	
009	16"	11'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	New o/h insulated, see spec.	
010	16"	11'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	New o/h insulated, see spec.	
011	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Service, adjust, lube	
012	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Replace 4 slots & bottom bar, service, adjust, lube	
013	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Reset open limit, service, adjust, lube	
014	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Service, adjust, lube	
015	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Service, adjust, lube	
016	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Service, adjust, lube	
017	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Replace 3 slots & bottom bar, service, adjust, lube	
018	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Replace 24 slots, service, adjust, lube	
019	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Service, adjust, lube	
020	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Service, adjust, lube	
021	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Service, adjust, lube	
022	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Service, adjust, lube	
023	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Service, adjust, lube	
024	3"	7'-0"	1 3/4"	HM	---	0"	0"	HM	---	---	---	Replace with new hardware, see spec.	
025	3"	7'-0"	1 3/4"	HM	---	0"	0"	HM	---	---	---	Replace with new hardware, see spec.	
026	3"	7'-0"	1 3/4"	HM	---	0"	0"	HM	---	---	---	Replace with new hardware, see spec.	
027	3"	7'-0"	1 3/4"	HM	---	0"	0"	HM	---	---	---	Replace with new hardware, see spec.	
028	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Service, adjust, lube	
029	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Service, adjust, lube	
030	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Service, adjust, lube	
031	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Service, adjust, lube	
032	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Service, adjust, lube	
033	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Service, adjust, lube	
034	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Service, adjust, lube	
035	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Service, adjust, lube	
036	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Service, adjust, lube	
037	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Service, adjust, lube	
038	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Service, adjust, lube	
039	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Service, adjust, lube	
040	12"	14'-0"	1 3/4"	O/H INSULATED	---	0"	0"	---	---	---	---	Service, adjust, lube	
041	3"	7'-0"	1 3/4"	HM	---	0"	0"	HM	---	---	---	Replace with new hardware, see spec.	
042	3"	7'-0"	1 3/4"	HM	---	0"	0"	HM	---	---	---	Remove padlock hinge and replace with new hardware, see spec.	
043	3"	7'-0"	1 3/4"	HM	---	0"	0"	HM	---	---	---	Install new hardware, window seals, & flush bolt	
044	3"	7'-0"	1 3/4"	HM	---	0"	0"	HM	---	---	---	Remove padlock hinge and replace with new hardware, see spec.	
045	3"	7'-0"	1 3/4"	HM	---	0"	0"	HM	---	---	---	Remove padlock hinge and replace with new hardware, see spec.	

ALTERNATE NO. 1
VAN STOR. BLDG.

BUS STORAGE FACILITY

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CITY OF ALBUQUERQUE
TRANSIT DEPARTMENT
TITLE: YALE TRANSIT FACILITY-RENOVATION
ARCHITECTURAL DETAILS

Design Review Committee City Engineer Approval
City Project No. 6697.01
Zone Map No. L-15-Z
Sheet 8 of 15

AS BUILT INFORMATION

CONTRACTOR	DATE	DATE	DATE	DATE	DATE
WORK STARTED BY	DATE	DATE	DATE	DATE	DATE
ACCEPTANCE BY	DATE	DATE	DATE	DATE	DATE
FIELD ADJUSTMENT BY	DATE	DATE	DATE	DATE	DATE
REVISIONS	DATE	DATE	DATE	DATE	DATE
CITY PERMIT COMMENTS	DATE	DATE	DATE	DATE	DATE
DESIGNED BY	DATE	DATE	DATE	DATE	DATE
DRAWN BY	DATE	DATE	DATE	DATE	DATE
CHECKED BY	DATE	DATE	DATE	DATE	DATE

ENGINEERS SEAL

STATE OF NEW MEXICO
REGISTERED ARCHITECT
HUITT-ZOLLARS
1658



SCALE: $3/32" = 1'-0"$



- ① OPEN PATH GAS DETECTOR "DRAEGER POLYTIRON PULSAR TRANSMITTER."
- ② OPEN PATH GAS DETECTOR "DRAEGER POLYTIRON PULSAR RECEIVER."
- ③ CARBON MONOXIDE DETECTOR "DRAEGERSENSOR FOR CO."
- ④ EXTEND 40/40 EXHAUST DUCT UP TO EXHAUST FAN ON ROOF.
CONTRACTOR SHALL SAW CUT ROOF AS REQUIRED TO ENLARGE ROOF
OPENING AND INSTALL NEW ROOF CURB.
- ⑤ 30/30 INTAKE HOOD EQUAL TO GREENHECK FABRA-HOOD. CONTRACTOR
SHALL SAW CUT ROOF AS REQUIRED TO ENLARGE ROOF OPENING AND
INSTALL NEW ROOF CURB. PROVIDE MOTORIZED DAMPER (115V/1Ø)
WITH EXPLOSION PROOF DAMPER MOTOR (CLASS 1, DIVISION 2).
- ⑥ CARBON MONOXIDE MONITOR CONTROL PANEL (CLASS 1, DIVISION 2).
- ⑦ GAS DETECTOR MONITOR CONTROL PANEL (CLASS 1, DIVISION 2).

NOTE: GENERAL NOTES APPLY TO ALL SHEETS.

- A. ALL DUCT SIZES SHOWN ARE INSIDE FREE AREA DIMENSIONS. CONTRACTOR SHALL INSTALL WORK AS HIGH AS POSSIBLE, AND SHALL CAREFULLY COORDINATE ALL WORK WITH STRUCTURAL, ELECTRICAL, AND PLUMBING, ETC.
- B. ALL FLEXIBLE DUCT SHALL BE FULLY EXTENDED, FREE OF KINKS, NO LONGER THAN 5'-0" AND SAME SIZE AS DIFFUSER NECK.
- C. ALL DIFFUSERS AND GRILLES SMALLER THAN THE CEILING T-BAR SPACING SHALL BE INDEPENDENTLY SUPPORTED FROM THE STRUCTURE ABOVE WITH CEILING TIE WIRES AND SHALL HAVE CONCEALED FASTENERS.
- D. ALL LOW VOLTAGE CONTROL WIRING SHALL BE BY THE MECHANICAL CONTRACTOR.

[illegible]

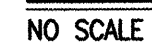
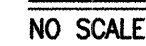
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CITY OF ALBUQUERQUE
TRANSIT DEPARTMENT

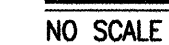
TITLE: YALE TRANSIT FACILITY-RENOVATION
MECHANICAL PLAN

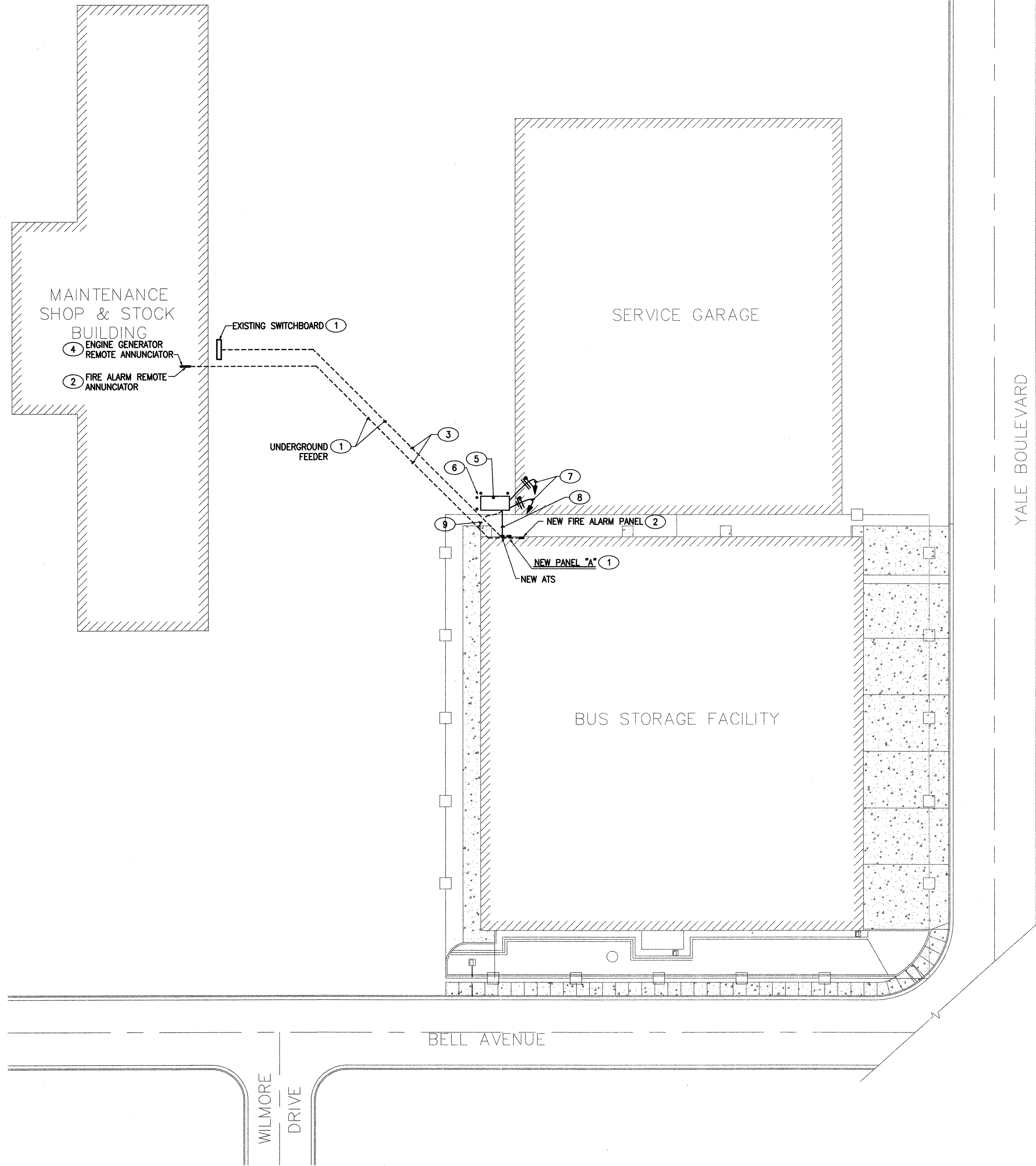
Design Review Committee	City Engineer Approval
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City Project No. XXXXXX	Zone Map XX-XX-
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1. FANS ARE SELECTED AT 5000 FT ABOVE SEA LEVEL.
2. PROVIDE ALL FANS WITH BACKDRAFT DAMPERS.
3. PROVIDE ALL FANS WITH INSULATED HOUSINGS.
4. ALL FANS SHALL BE PROVIDED WITH 2-SPEED MOTORS. (LOW SPEED 2/3).
5. PROVIDE ALL SERVICE AND OPERATIONAL CLEARANCES AS REQUIRED.
6. ALL FANS SHALL BE EXPLOSION-PROOF FOR CLASS 1, DIVISION 2.
7. ALL FANS SHALL RUN CONTINUOUSLY AT LOW SPEED DURING NORMAL OPERATION AND AT HIGH SPEED UPON INITIATION BY METHANE OR CO DETECTORS.





KEYED NOTES

- 1 REFER TO POWER RISER DIAGRAM FOR ADDITIONAL INFORMATION.
- 2 REFER TO FIRE ALARM RISER DIAGRAM FOR ADDITIONAL INFORMATION. COORDINATE FINAL LOCATION OF ANNUNCIATOR WITH OWNER PRIOR TO INSTALLATION.
- 3 PATCH ASPHALT SURFACES TO MATCH EXISTING. CONTRACTOR SHALL COORDINATE CUTTING AND PATCHING OF PARKING LOT WITH GENERAL CONTRACTOR.
- 4 REFER TO POWER RISER AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS ON ENGINE GENERATOR REMOTE ANNUNCIATOR.
- 5 NEW ENGINE GENERATOR AND ENCLOSURE. REFER TO POWER RISER DIAGRAM.
- 6 PROVIDE CONCRETE BOLLARDS AROUND E/G. POSITION BOLLARDS SO NOT TO INTERFERE WITH THE OPENING OF ENCLOSURE DOORS.
- 7 EXTEND CIRCUITING FROM ENGINE AND OIL HEATER TO PANEL "B". PROVIDE CIRCUIT BREAKERS SIZED PER EQUIPMENT PROVIDED.
- 8 EXTEND ENGINE START CIRCUIT FROM GENERATOR TO ATS.
- 9 RUN ENGINE GENERATOR ANNUNCIATOR CONTROL CIRCUITS IN SAME TRENCH AS F.A.

WARNING

IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE UTILITY OR PIPELINE COMPANY, THE OWNER OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.

THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF TO THE LOCATION OF ANY UTILITY LINE, PIPELINE OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE OF ANY AND ALL DAMAGE CAUSED BY IT'S FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES, AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		DESIGNED BY		DRAWN BY		CHECKED BY	
CONTRACTOR		FIELD NOTES		NO.		NO.		DATE		DATE		DATE	
WORKS BY		BY		BY		BY		DATE		DATE		DATE	
INSPECTORS		DATE		DATE		DATE		DATE		DATE		DATE	
ACCEPTANCE BY		DATE		DATE		DATE		DATE		DATE		DATE	
DRAWINGS		DATE		DATE		DATE		DATE		DATE		DATE	
CORRECTED BY		DATE		DATE		DATE		DATE		DATE		DATE	
MICRO-FILM INFORMATION		DATE		DATE		DATE		DATE		DATE		DATE	
RECORDED BY		DATE		DATE		DATE		DATE		DATE		DATE	
NO.		NO.		NO.		NO.		NO.		NO.		NO.	

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ELECTRICAL UTILITY PLAN

SCALE: 1" = 30'-0"



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CITY OF ALBUQUERQUE
TRANSIT DEPARTMENT

TITLE: YALE TRANSIT FACILITY-RENOVATION
ELECTRICAL UTILITY PLAN

Design Review Committee City Engineer Approval

City Project No. XXXXX Zone Map No. XX-XX-XX

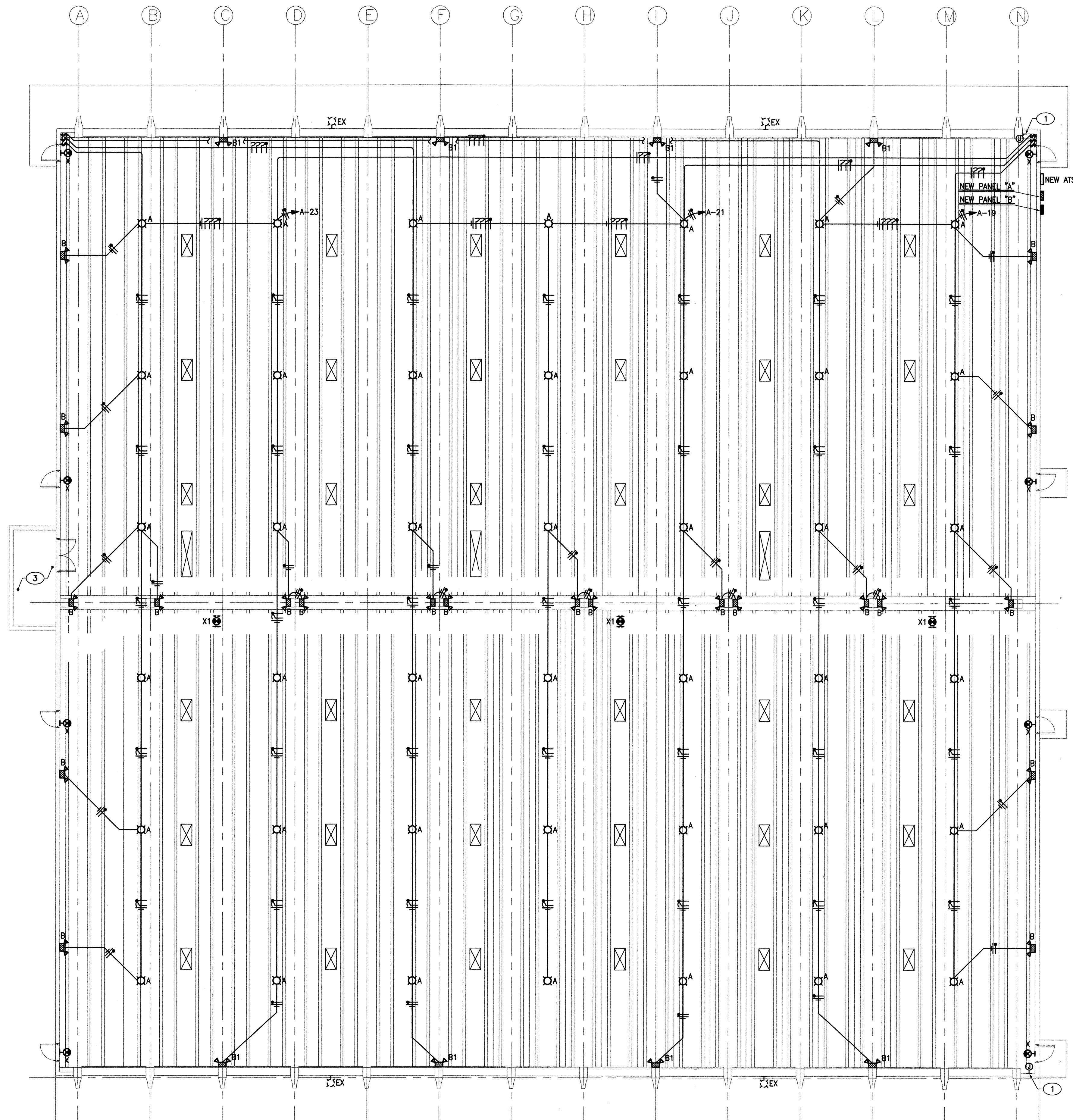
Mo. / Day / Yr. Mo. / Day / Yr.

Sheet E1 of



- A. NOT ALL EXISTING ELECTRICAL DEVICES ARE SHOWN. CIRCUITRY OF EXISTING DEVICES MAY BE AFFECTED BY DEMOLITION AND REMOVAL. CONTRACTOR SHALL REWIRE AS REQUIRED TO MAINTAIN OPERATIONAL CONTINUITY.
- B. REMOVE ALL ASSOCIATED CONDUIT AND CONDUCTORS FROM ANY MECHANICAL UNITS BEING REMOVED.
- C. OWNER HAS FIRST RIGHT TO ANY AND ALL SALVAGE MATERIAL.

[illegible]



LIGHTING PLAN
SCALE: 3/32" = 1'-0"



KEYED NOTES

- EXISTING JUNCTION BOX FOR CONNECTION OF EXTERIOR BUILDING LIGHTS. CONTRACTOR SHALL PROVIDE AND INSTALL A SEAL-OFF FITTING ON EXISTING CONDUIT WITHIN 18" OF JUNCTION BOX.
- SURFACE MOUNT LIGHT FIXTURE TO BOTTOM OF CONCRETE "TEE".
- NO NEW WORK IN THIS ROOM.

NOTE:
ALL EQUIPMENT WITH RELATED CONDUIT SYSTEM INSTALLED WITHIN THE CLASS 1 DIVISION 2 CLASSIFIED AREAS (UP TO A LEVEL OF 18" ABOVE THE FLOOR AND WITHIN 24" OF THE CEILING) SHALL COMPLY WITH NEC ARTICLE 500, 501, & 505. REFER TO ARTICLE 511 FOR FLOOR AND CEILING AREA CLASSIFICATION. ALL OTHER EQUIPMENT INSTALLED WITHIN THE BUILDING BUT NOT IN THE CLASS 1, DIVISION 2 AREA SHALL BE INSTALLED IN A NEMA 4 ENCLOSURE.

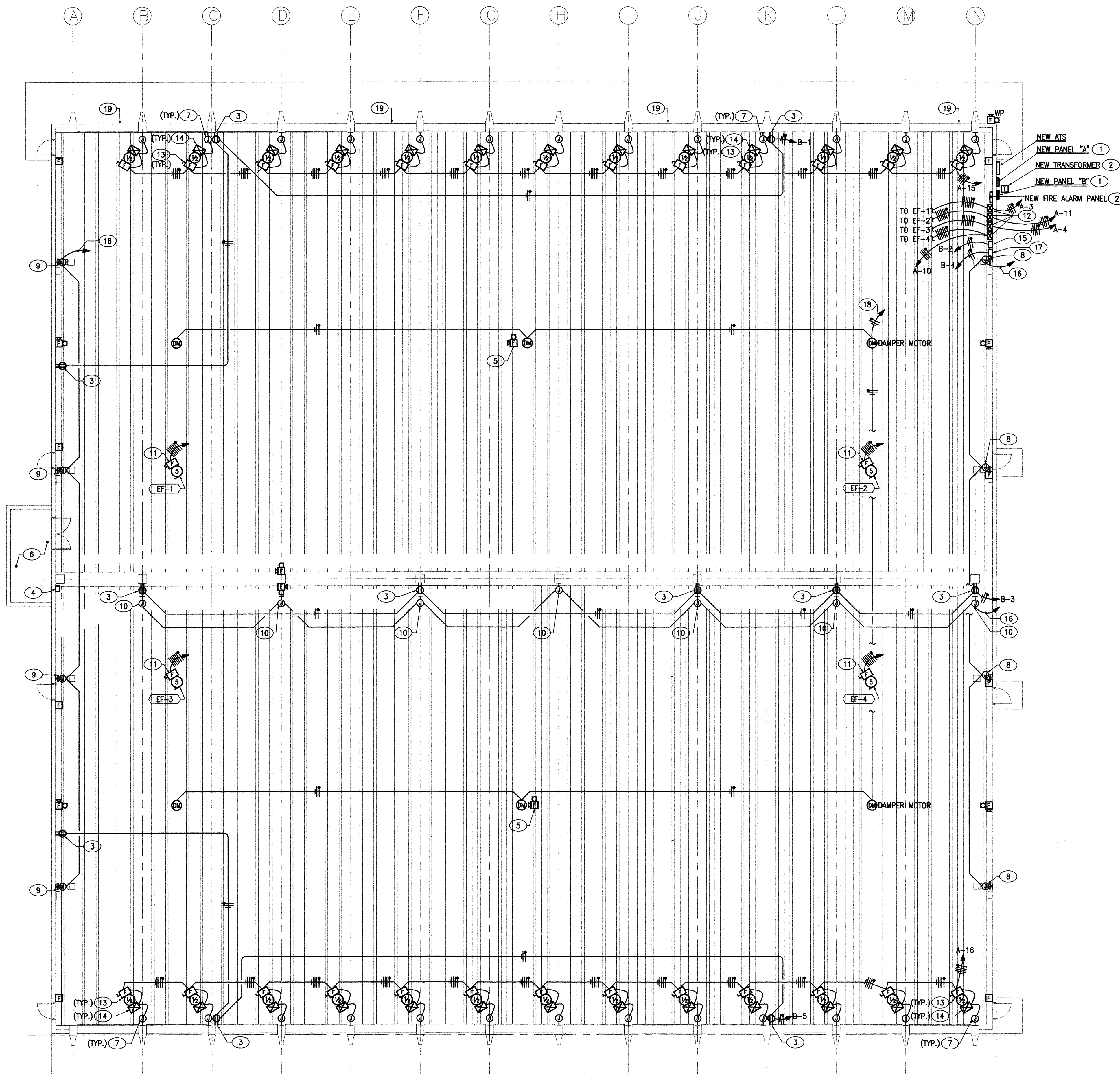
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CITY OF ALBUQUERQUE TRANSIT DEPARTMENT	
TITLE: YALE TRANSIT FACILITY-RENOVATION LIGHTING PLAN	
Design Review Committee	City Engineer Approval
City Project No. XXXXX	Zone Map No. XX-XX-XX
Sheet E3	of -

ENGINEER'S SEAL		SURVEY INFORMATION		AS BUILT INFORMATION	
		FIELD NOTES		CONTRACTOR	
NO.		BY		WORKED BY	
DATE		DATE		DATE	
REVISIONS		REVISIONS		REVISIONS	
DESIGN		DESIGN		DESIGN	
DATE 02/25/03		DATE 02/25/03		DATE 02/25/03	
DRAWN BY		DRAWN BY		DRAWN BY	
CHECKED BY		CHECKED BY		CHECKED BY	



KEYED NOTES

- 1 REFER TO POWER RISER DIAGRAM FOR ADDITIONAL INFORMATION.
- 2 REFER TO FIRE ALARM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
- 3 PROVIDE AND INSTALL A DUPLEX RECEPTACLE, GFCI/WP AT 48" A.F.F. TO CENTER OF DEVICE. INSTALL A SEAL-OFF FITTING ON EXISTING CONDUIT WITHIN 18" OF RECEPTACLE.
- 4 PROVIDE AND INSTALL A SEAL-OFF FITTING ON EXISTING CONDUIT WITHIN 18" OF EXISTING PULLBOX.
- 5 SURFACE MOUNT FIRE ALARM DEVICE TO BOTTOM OF CONCRETE "TEE".
- 6 NO NEW WORK IN THIS ROOM.
- 7 JUNCTION BOX FOR OVERHEAD DOOR PUSHBUTTON CONTROLLER. (TYPICAL FOR 26 OVERHEAD DOORS).
- 8 JUNCTION BOX FOR GAS DETECTOR RECEIVER. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. CONDUIT AND JUNCTION BOX INSTALLED UNDER DIVISION 16. DETECTORS WITH RELATED CONTROL CONDUCTORS INSTALL UNDER DIVISION 15.
- 9 JUNCTION BOX FOR GAS DETECTOR TRANSMITTER. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. CONDUIT AND JUNCTION BOX INSTALLED UNDER DIVISION 16. DETECTORS RELATED CONTROL CONDUCTORS INSTALL UNDER DIVISION 15.
- 10 JUNCTION BOX FOR CARBON MONOXIDE DETECTOR SENSOR. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. CONDUIT AND JUNCTION BOX INSTALLED UNDER DIVISION 16. DETECTORS WITH RELATED CONTROL CONDUCTORS INSTALL UNDER DIVISION 15.
- 11 FUSIBLE DISCONNECT SWITCH, 30 AMP, 6-POLE, 480 VOLT, NEMA 3R ENCLOSURE, SN AND GROUND LUG. PROVIDE WITH DUAL ELEMENT FUSETRON FUSES. SIZE FUSES PER MANUFACTURER'S RECOMMENDATION. HOMERUN TO RELATED STARTER.
- 12 MOTOR STARTER, NEMA 0, 480 VOLT, 2-SPEED MOTOR, AUXILIARY CONTACTS, 2 N.O. AND 2 N.C., 4-POLE SELECTOR SWITCH, 120 VOLT COIL, 4-POLE RELAY, NEMA 4 ENCLOSURE. REFER TO CONTROL DIAGRAM.
- 13 FUSIBLE DISCONNECT SWITCH, 30 AMP, 3-POLE, 480 VOLT, NEMA 4X ENCLOSURE, SN AND GROUND LUG. PROVIDE WITH DUAL ELEMENT FUSETRON FUSES. SIZE FUSES PER MANUFACTURER'S RECOMMENDATION. (TYPICAL FOR 26 OVERHEAD DOORS).
- 14 MOTOR CONTROLLER PROVIDED WITH OVERHEAD DOOR. CONTRACTOR SHALL EXTEND 3/4" CONDUIT WITH REQUIRED CONTROL CONDUCTORS TO DISCONNECT SWITCH AND DOWN TO DOOR CONTROLLER. (TYPICAL OF 26 OVERHEAD DOORS).
- 15 GAS DETECTION ALARM PANEL WITH CONTROL CONDUCTORS PROVIDED AND INSTALLED UNDER DIVISION 15. CONDUIT SYSTEM INSTALLED UNDER DIVISION 16.
- 16 EXTEND 1" CONDUIT TO GAS DETECTION ALARM PANEL.
- 17 CARBON MONOXIDE DETECTOR ALARM PANEL WITH CONTROL CONDUCTORS PROVIDED AND INSTALLED UNDER DIVISION 15. CONDUIT SYSTEM INSTALLED UNDER DIVISION 16.
- 18 HOMERUN DAMPER MOTOR CIRCUIT THROUGH MOTOR STARTER. REFER TO CONTROL DIAGRAM.
- 19 THIS DOOR WILL AUTOMATICALLY OPEN WHEN THE CO AND/OR THE GAS DETECTION SYSTEM GOES INTO ALARM. REFER TO CONTROL DIAGRAM.

NOTE:
ALL EQUIPMENT WITH RELATED CONDUIT SYSTEM INSTALLED WITHIN THE CLASS 1 DIVISION 2 CLASSIFIED AREAS (UP TO A LEVEL OF 18" ABOVE THE FLOOR AND WITHIN 24" OF THE CEILING) SHALL COMPLY WITH NEC ARTICLE 500, 501, & 505. REFER TO ARTICLE 511 FOR FLOOR AND CEILING AREA CLASSIFICATION. ALL OTHER EQUIPMENT INSTALLED WITHIN THE BUILDING BUT NOT IN THE CLASS 1, DIVISION 2 AREA SHALL BE INSTALLED IN A NEMA 4 ENCLOSURE.

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CITY OF ALBUQUERQUE
TRANSIT DEPARTMENT

TITLE: YALE TRANSIT FACILITY-RENOVATION
POWER AND SPECIAL SYSTEMS PLAN

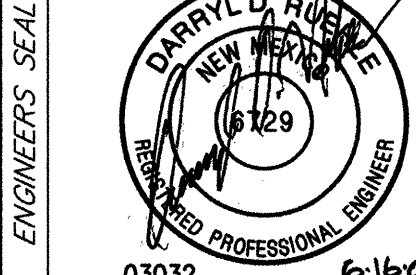
Design Review Committee	City Engineer Approval	Mo. / Day / Yr.	Mo. / Day / Yr.
1	8/16/04	CITY PERMIT	REMARKS
NO.	DATE	NO.	REVISIONS
DESIGNED BY	DATE 02/25/03	DRAWN BY	DATE 02/25/03
CHECKED BY	DATE 02/25/03		

City Project No. XXXXX
Zone Map No. XX-XX-XX
Sheet E4 of

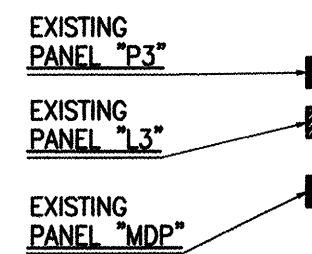
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WORK BY	DATE
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ACCEPTANCE BY	DATE
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CORRECTED BY	DATE
MICRO-FILM INFORMATION	DATE
RECORDED BY	DATE

BENCH MARKS	

SURVEY INFORMATION	
FIELD NOTES	DATE
BY	
NO.	



	BY	DATE
	REMARKS	DATE 02/25/03
	DESIGN	DATE 02/25/03
		DATE 02/25/03



SCALE: $3/32" = 1'-0"$



KEYED NOTES

- ① FUSIBLE DISCONNECT SWITCH, 30 AMP, 3-POLE, 480 VOLT, NEMA 1 ENCLOSURE, SN AND GROUND LUG. PROVIDE WITH DUAL ELEMENT FUSE/TOU FUSES. SIZE FUSES PER MANUFACTURER'S RECOMMENDATION. (TYPICAL FOR 9 OVERHEAD DOORS).
- ② JUNCTION BOX FOR RELOCATED OVERHEAD DOORS PUSHBUTTON CONTROLLER. (TYPICAL FOR 8 OVERHEAD DOORS).
- ③ RELOCATED MOTOR STARTER. CONTRACTOR SHALL EXTEND 3/4" CONDUIT WITH REQUIRED CONTROL CONDUCTORS TO DISCONNECT SWITCH AND DOWN TO DOOR CONTROLLER. (TYPICAL FOR 8 OVERHEAD DOORS).
- ④ EXTEND CIRCUIT TO EXISTING 277/480 VOLT PANEL "L3". PROVIDE AND INSTALL A 20A-3P CIRCUIT BREAKER IN AVAILABLE SPACE AND CONNECT.

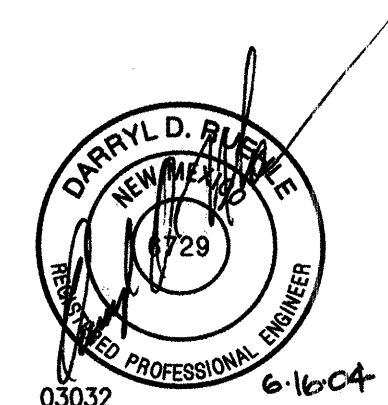
NOTE:
ALL EQUIPMENT, RECEPTACLES AND DEVICES IN THIS AREA SHALL BE MOUNTED ABOVE 18" A.F.F.. CONDUITS FEED FROM BELOW EQUIPMENT AND WITHIN THE 18" AREA ABOVE FLOOR SHALL BE INSTALLED WITH SEAL-OFFS.

AS BUILT INFORMATION		MICRO-FILM INFORMATION	
CONTRACTOR	DATE	RECORDED BY	DATE
WORK INSPECTED BY	DATE	NO.	
ACCEPTANCE BY	DATE		
FIELD CAPTION BY	DATE		
NEWSPRINT CORRECTED BY	DATE		

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

ENGINEERS SEAL

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TITLE: YALE TRANSIT FACILITY-RENOVATION
POWER PLAN - SERVICE GARAGE

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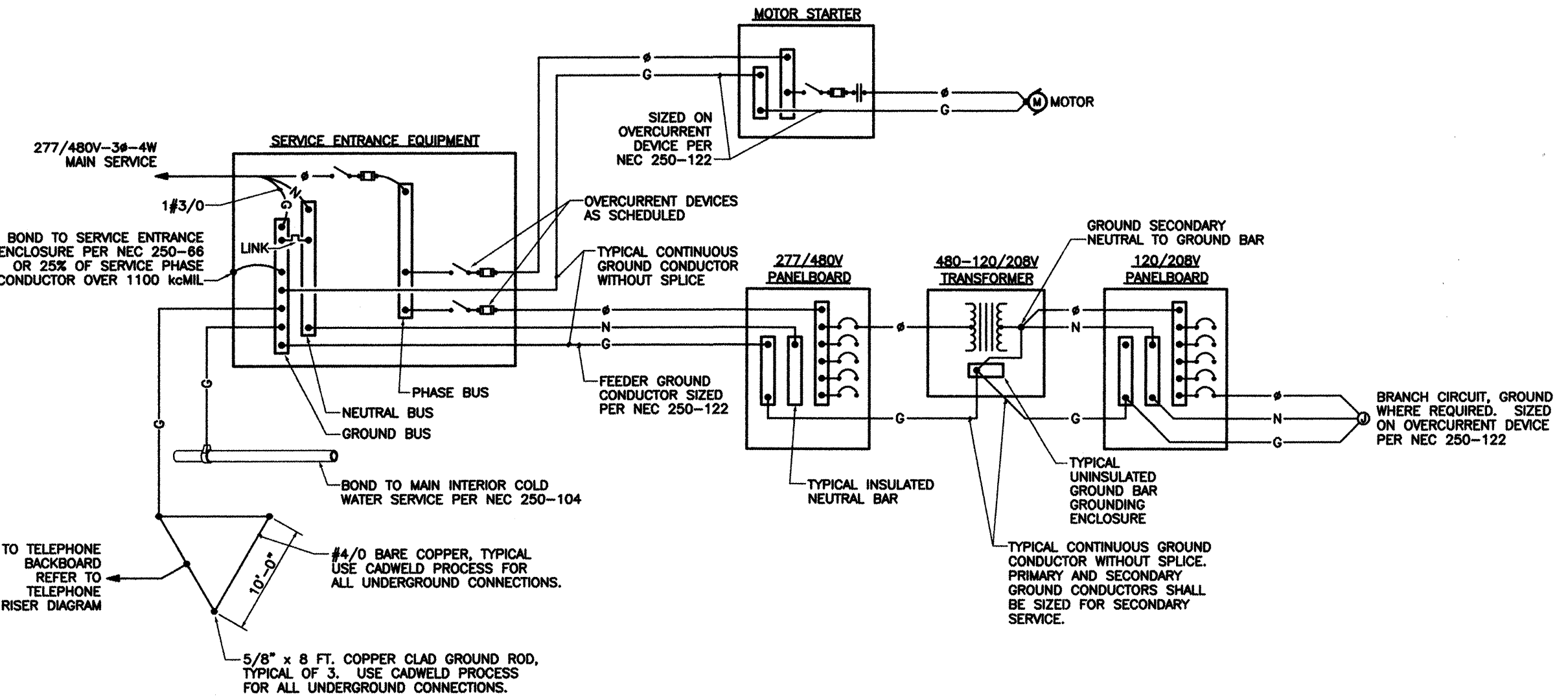
City Project No. XXXXXX	Zone Map No. XX-XX-XX	Sheet E5	of - -
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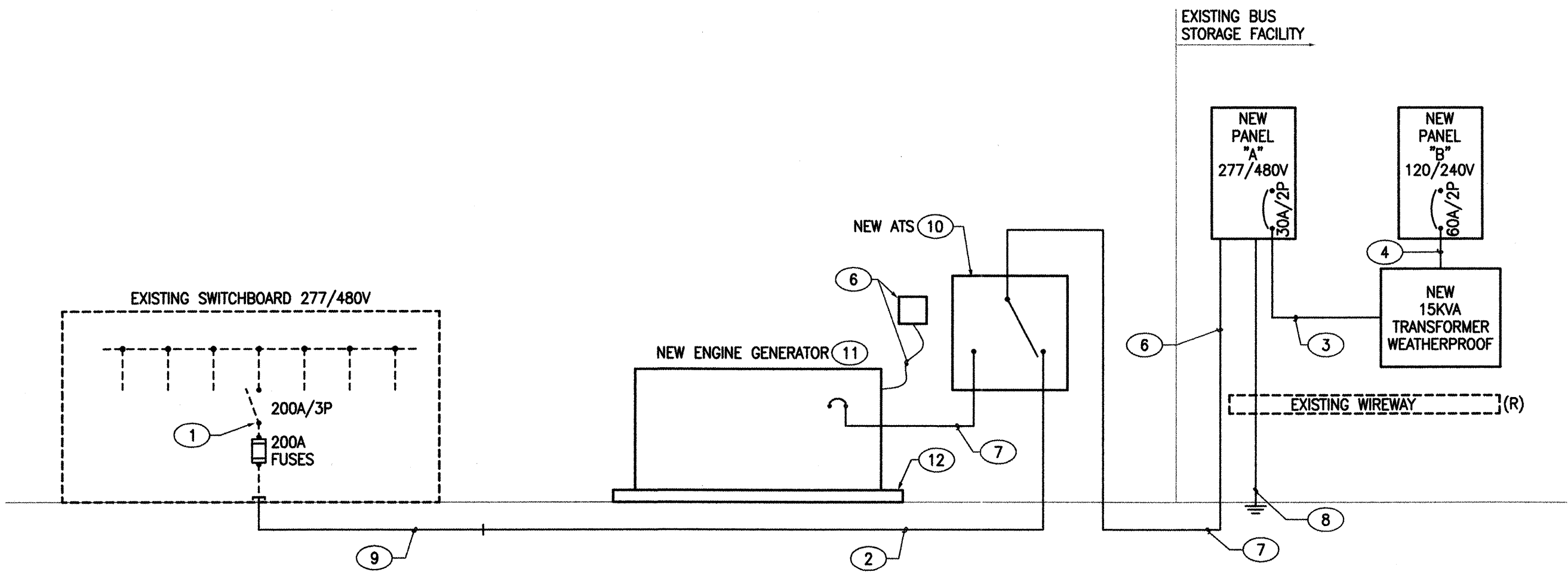
PANEL: "B"		VOLTAGE: 120/240V-1Ø-3W		MAINS: 100 AMP		AIC: 10,000	
SOURCE: PANEL "A"		SKIRTS: N/A		FEED: BOTTOM		MOUNTING: SURFACE	
DESCRIPTION	BREAKER	LOAD (VA)	CCT NO.	LOAD (VA)	CCT NO.	LOAD (VA)	BREAKER
RECEPTACLES	20A-1P	540	1	740	2	200	20A-1P
RECEPTACLES	20A-1P	900	3	900	4	200	20A-1P
RECEPTACLES	20A-1P	540	5	540	6	-	20A-1P
SPARE	20A-1P	-	7	-	8	-	20A-1P
SPARE	20A-1P	-	9	-	10	-	20A-1P
SPARE	20A-1P	-	11	-	12	-	20A-1P
SPARE	20A-1P	-	13	-	14	-	20A-1P
SPARE	20A-1P	-	15	-	16	-	20A-1P
SPARE	20A-1P	-	17	-	18	-	20A-1P
SPACE ONLY	1P	-	19	-	20	-	1P
SPACE ONLY	1P	-	21	-	22	-	1P
SPACE ONLY	1P	-	23	-	24	-	1P
TOTAL LOAD (VA): 1280		900		NEMA 3R ENCLOSURE			
TOTAL CONNECTED (KVA): 2.2		ESTIMATED DEMAND (KVA): 2.2		DOOR-IN-DOOR			
				GROUND BUS			

PANEL: "A"		VOLTAGE: 277/480V-3Ø-4W		MAINS: 200		AIC: 14,000	
SOURCE: .		SKIRTS: N/A		FEED: BOTTOM		MOUNTING: SURFACE	
DESCRIPTION	BREAKER	LOAD (VA)	CCT NO.	LOAD (VA)	CCT NO.	LOAD (VA)	BREAKER
UNIT (EF-1)	20A	2106	1	4212	2	2106	20A
	/	2106	3	4212	4	2106	/
	3P	2106	5	4212	6	2106	3P
UNIT (EF-2)	20A	2106	7	4212	8	2106	20A
	/	2106	9	4212	10	2106	/
	3P	2106	11	4212	12	2106	3P
OVERHEAD DOORS (WEST)	20A	3658	13	7316	14	3658	20A
	/	3658	15	7316	16	3658	/
	3P	3658	17	7316	18	3658	3P
LIGHTING	20A-1P	2660	19	2660	20	-	20A-1P
LIGHTING	20A-1P	3930	21	3930	22	-	20A-1P
LIGHTING	20A-1P	2660	23	2660	24	-	20A-1P
SPARE	20A-1P	-	25	-	26	-	20A-1P
SPARE	20A-1P	-	27	-	28	-	20A-1P
SPARE	20A-1P	-	29	-	30	-	20A-1P
SPARE	20A-1P	-	31	-	32	-	20A-1P
SPARE	20A-1P	-	33	-	34	-	1P
SPARE	20A-1P	-	35	-	36	-	1P
SPACE ONLY	1P	-	37	-	38	-	1P
SPACE ONLY	1P	-	39	-	40	-	30A
SPACE ONLY	1P	-	41	-	42	-	2P
TOTAL LOAD (VA): 18400		20950		NEMA 3R ENCLOSURE			
TOTAL CONNECTED (KVA): 58.7		ESTIMATED DEMAND (KVA): 58.7		DOOR-IN-DOOR			
				GROUND BUS			



TYPICAL GROUNDING DIAGRAM
SCALE: NONE

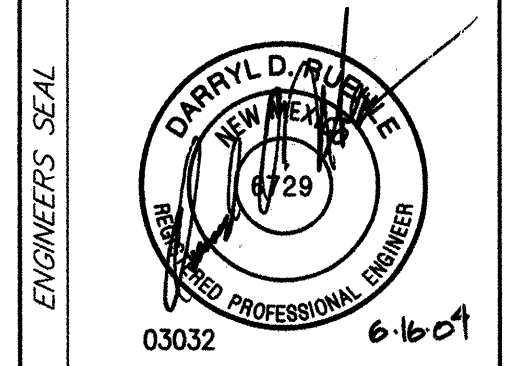
LOAD SUMMARY-PANEL "A"	
DESCRIPTION	
PANELBOARD "A" ESTIMATED DEMAND PER NEC 220	
PANEL "B" (2.2 KVA CONN) AT 100%	2.2 KVA
LIGHTING (9.3 KVA CONN) AT 100%	9.3 KVA
EQUIPMENT (47.2 KVA CONN) AT 100%	47.2 KVA
TOTAL ESTIMATED LOAD:	58.7 KVA
71 AMPERES AT 480Y/277V-3Ø-4W	
MINIMUM SERVICE CAPACITY = 125% x TOTAL ESTIMATED LOAD	73.4 KVA
88 AMPERES AT 480Y/277V-3Ø-4W	
MINIMUM RECOMMENDED SERVICE SIZE =	200 AMPS



POWER RISER DIAGRAM

- KEYED NOTES**
- EXISTING 200A/3P FUSIBLE SWITCH. REMOVE EXISTING 100 AMP FUSES AND REPLACE WITH 200 AMP FUSES.
 - EXISTING 3" UNDERGROUND CONDUIT MAY BE RE-USED IF POSSIBLE FOR NEW SERVICE. REMOVE EXISTING CONDUCTORS.
 - 3/10 AND 1/10 GROUND IN 3/4" CONDUIT.
 - 4/6 AND 1/10 GROUND IN 1" CONDUIT.
 - REMOVE EXISTING WIREWAY WITH RELATED CONDUCTORS.
 - ENGINE GENERATOR REMOTE ANNUNCIATOR LOCATED IN MAINTENANCE SHOP ADJACENT TO FIRE ALARM REMOTE ANNUNCIATOR. REFER TO SHEET E1. EXTEND UNDERGROUND CONDUIT AND CONDUCTORS AS REQUIRED.
 - NEW 4/3/0, 1/6 GROUND IN 2-1/2" CONDUIT.
 - PROVIDE AND INSTALL NEW GROUNDING SYSTEM. REFER TO TYPICAL GROUNDING DETAIL.
 - NEW 4/3/0 AND 1/6 GROUND IN 2-1/2" CONDUIT RUN BETWEEN EXISTING SWITCHBOARD AND NEW ATS.
 - NEW 200 AMP, 3 POLE, 480 VOLT, NEMA 4 ENCLOSURE ATS. REFER TO SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
 - NEW 100 KW ENGINE GENERATOR, 277/480V, WEATHERPROOF HOUSING. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - PROVIDE A CONCRETE HOUSEKEEPING PAD. PAD SHALL EXTEND 6" PAST ENCLOSURE ON ALL SIDES.

AS BUILT INFORMATION		CONTRACTOR	DATE
BENCH MARKS		WORKED BY	DATE
SURVEY INFORMATION		INSPECTED BY	DATE
FIELD NOTES		ACCEPTANCE BY	DATE
NO.		VERIFICATION BY	DATE
		DRAWINGS CORRECTED BY	DATE
		MICRO-FILM INFORMATION	DATE
		RECORDED BY	DATE
		NO.	



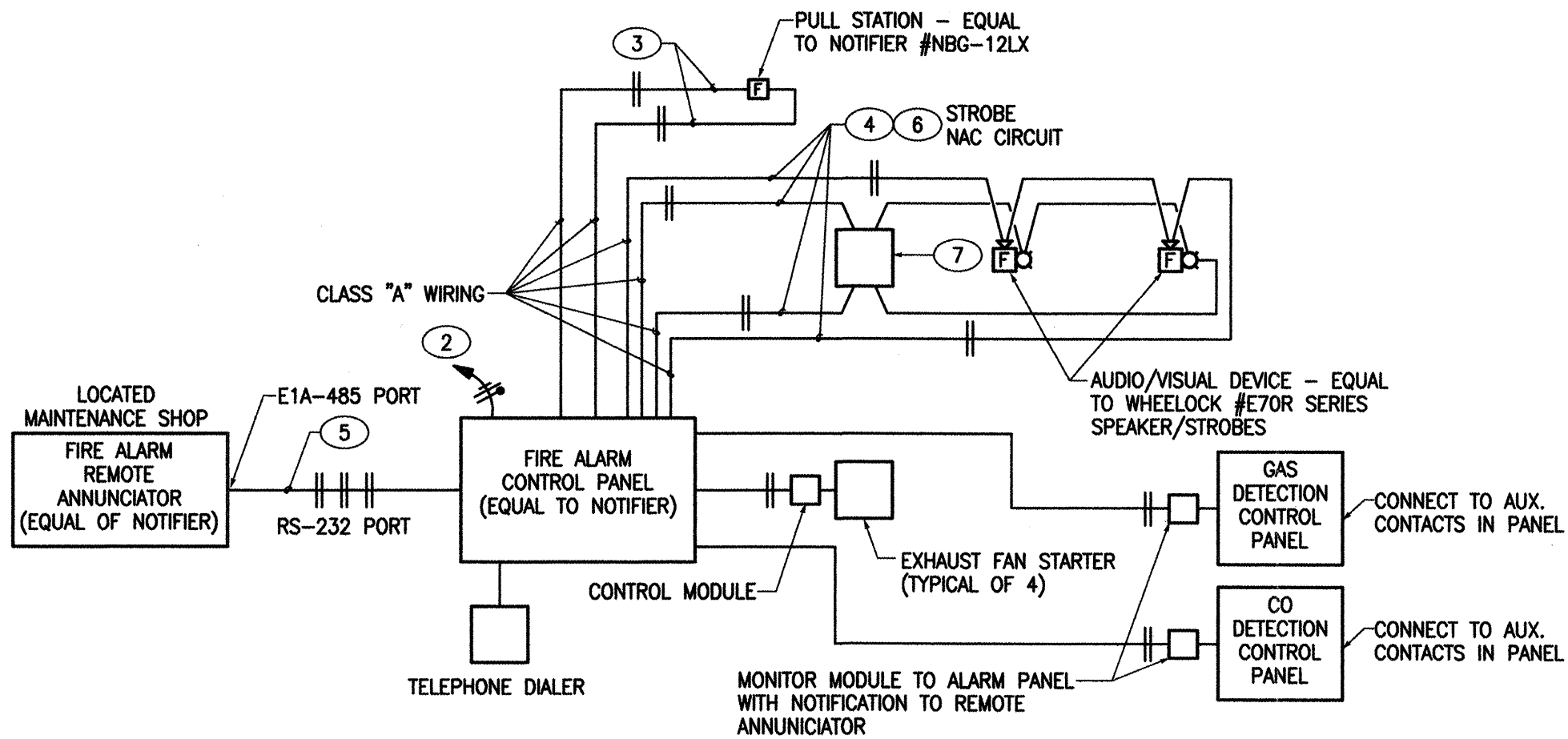
ENGINEERS SEAL		BY	DATE
		NO.	
		REVISIONS	
		DESIGN	
		DATE 02/25/03	
		DATE 02/25/03	
		DATE 02/25/03	

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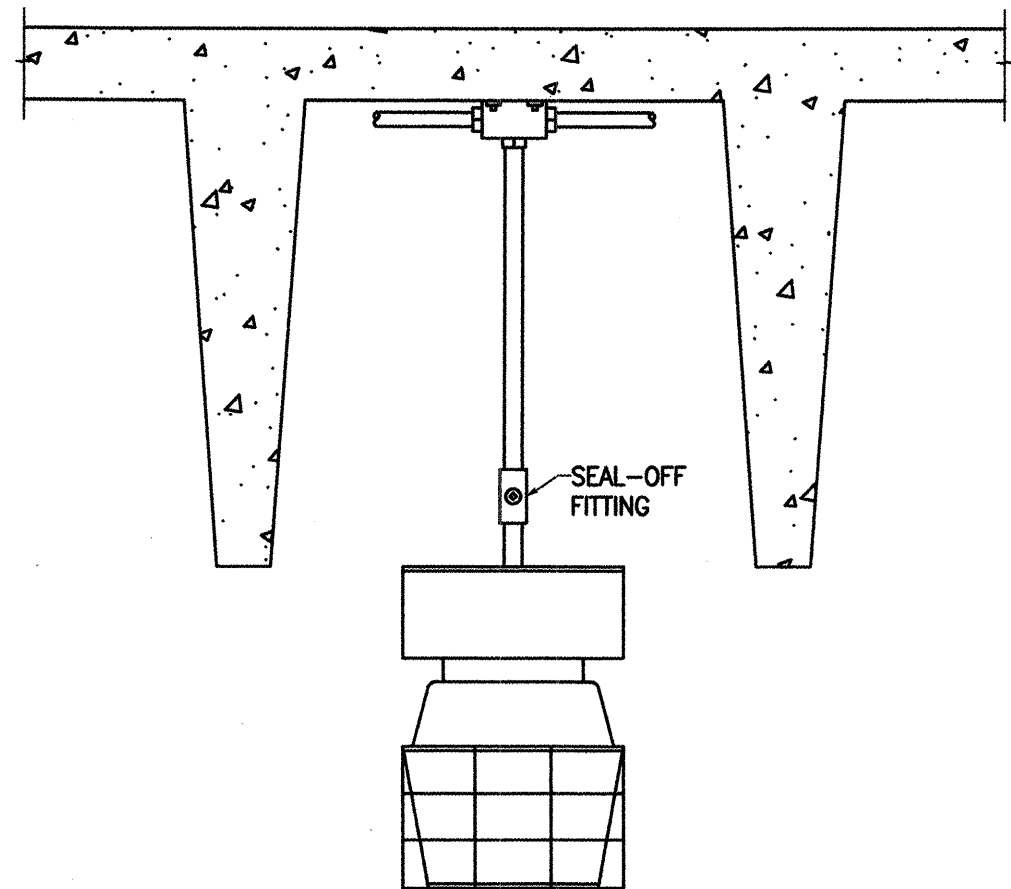


CITY OF ALBUQUERQUE TRANSIT DEPARTMENT	
TITLE: YALE TRANSIT FACILITY-RENOVATION PANEL SCHEDULES AND RISER DIAGRAM	
Design Review Committee	City Engineer Approval
Mo. / Day / Yr.	Mo. / Day / Yr.
City Project No. XXXXX	Zone Map No. XX-XX-XX
Sheet E6	of

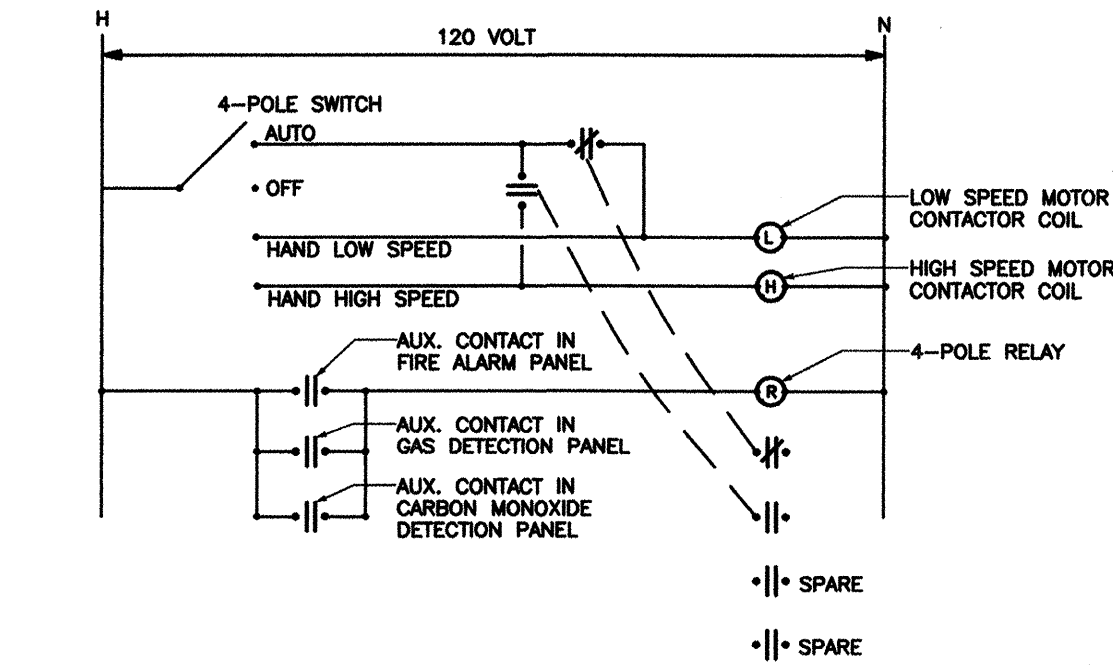
LIGHT FIXTURE SCHEDULE			
TYPE	FIXTURE DESCRIPTION	LAMPS	MOUNTING
A	EXPLOSION PROOF HID FIXTURE, CLASS 1, DIVISION 2, 277 VOLT GLASS REFRACTOR, STEEL WIRE GUARD #KH-17-H-4-L-P2-K-20 HUBBELL LIGHTING	1-175W MH	REFER TO DETAIL THIS SHEET
B	EMERGENCY LIGHT, EXPLOSION PROOF, CLASS 1, DIVISION 2, 277 VOLT LEAD CALCIUM BATTERY, TWO HEADS, CHLORIDE #SC50-2A-2	WITH UNIT	SURFACE MOUNT
B1	EMERGENCY LIGHT, EXPLOSION PROOF, CLASS 1, DIVISION 2, LEAD CALCIUM BATTERY, SINGLE HEAD, CHLORIDE #SC50-2A-1	WITH UNIT	SURFACE MOUNT
X	EXIT SIGN, SELF ILLUMINATE, SINGLE FACE, GREEN LETTERS, WHITE FINISH, EXPLOSION PROOF, ACTIVE SAFETY #2002-SMMW	NONE	SURFACE MOUNT CENTERED ABOVE DOOR
X1	EXIT SIGN, SELF ILLUMINATE, DOUBLE FACE, GREEN LETTERS, WHITE FINISH, EXPLOSION PROOF, ACTIVE SAFETY #2002-DC-MW	NONE	PENDANT MOUNT FROM CONCRETE TEE



FIRE ALARM RISER DIAGRAM 1

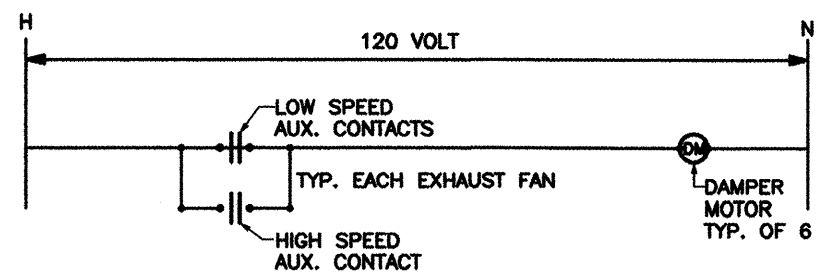


FIXTURE TYPE 'A' MOUNTING DETAIL
NO SCALE



EXHAUST FAN EF-1 - STARTER

TYPICAL FOR EF-2, EF-3, & EF-4



DAMPER MOTOR

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
	CEILING OUTLET AND SURFACE MOUNTED FIXTURE
	WALL OUTLET AND SURFACE MOUNTED FIXTURE
	EGRESS LIGHTING BATTERY PACK
	SINGLE FACED EXIT SIGN WITH ARROWS AS INDICATED
	SINGLE POLE SWITCH, FLUSH MOUNTED 48" A.F.F.
	THREE WAY SWITCH, FLUSH MOUNTED 48" A.F.F.
	THERMAL SWITCH, WEATHERPROOF IF INSTALLED OUTSIDE
	DUPLEX CONVENIENCE OUTLET, 18" A.F.F.
	WEATHERPROOF DUPLEX CONVENIENCE OUTLET, 18" A.F.F.
	JUNCTION BOX INSTALLED ABOVE LAY-IN CEILING WITH FLEXIBLE CONDUIT CONNECTION TO LAY-IN FIXTURES. MAXIMUM 4'-0" LENGTH OF CONDUIT, WITH REQUIRED CONDUCTORS ALONG WITH GREEN GROUND CONDUCTOR
	JUNCTION BOX FLUSH IN WALL, HEIGHT AS INDICATED ON DRAWINGS, WITH CONNECTION TO EQUIPMENT
	CONCEALED BRANCH CIRCUIT WITH CONDUCTORS AS INDICATED. NEUTRAL, HOT, SWITCH LEG AND GROUND RESPECTIVELY
	BRANCH CIRCUIT OR CONDUIT INSTALLED UNDERGROUND OR UNDER FLOOR
	HOMERUN TO PANELBOARD WITH BRANCH CIRCUIT NUMBERS INDICATED
	FIRE ALARM MANUAL PULLSTATION, 48" A.F.F.
	FIRE ALARM AUDIO/VISUAL DEVICE, 48" A.F.F.
	FIRE ALARM EVACUATION BELL
	MOTOR CONNECTION FOR FRACTIONAL HP MOTOR (1/3 HP OR LESS). PROVIDE THERMAL OVERLOAD SWITCH (WEATHERPROOF IF OUTSIDE) ADJACENT TO MOTOR UNLESS SWITCH IS SHOWN ELSEWHERE ON PLANS
	MOTOR CONNECTION FOR MOTOR WITH HP INDICATED
	FUSED DISCONNECT SWITCH, FUSE, POLES AND RATING AS INDICATED OR AS REQUIRED, NEMA 3R IF INSTALLED OUTSIDE
	TRANSFORMER, DRY TYPE, SIZE AS INDICATED
	MECHANICAL UNIT
	THERMOSTAT(M), 48" A.F.F.
	120V PANELBOARD, REFER TO PANEL SCHEDULE
	277V PANELBOARD, REFER TO PANEL SCHEDULE
	SPECIAL PURPOSE CABINET, AS INDICATED ON DRAWINGS
	NORMALLY OPEN CONTACT
	NORMALLY CLOSED CONTACT
	CONTACTOR
	MOTOR OVERLOADS
	RED PILOT LIGHT
	GREEN PILOT LIGHT
	TRANSFORMER
	RELAY
	SWITCH
	FUSE(S)
	CIRCUIT BREAKER
	WEATHERPROOF (NEMA 3R)
	EXISTING
	REMOVE
	NOT IN CONTRACT
	NOT TO SCALE
	MECHANICAL (FURNISHED UNDER DIVISION 15)
	ABOVE FINISHED FLOOR
	ABOVE FINISHED GRADE
	UNDERGROUND
	FIRE ALARM CONTROL PANEL
	UNLESS NOTED OTHERWISE

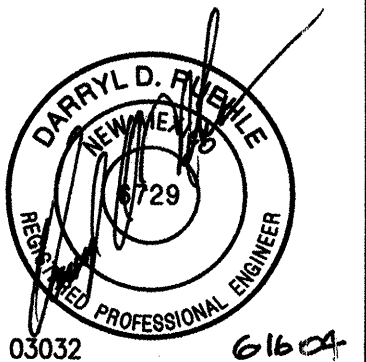
NOTES: • LIGHTING FIXTURES ARE OF TYPE AS INDICATED ON LIGHT FIXTURE SCHEDULE U.N.O.
• ALL MOUNTING HEIGHTS ARE TO CENTERLINE OF DEVICE U.N.O.

• ANY SPECIFIC DETAILS ABOVE (MOUNTING HEIGHTS, PART NUMBERS, CONNECTION METHODS, ETC.) MAY BE MODIFIED OR REPLACED BY INFORMATION ON PLANS, SCHEDULES, DETAILS, RISERS, ETC. DETAILS NOT SPECIFICALLY MODIFIED REMAIN AS GIVEN ABOVE.

KEYED NOTES

- REFER TO POWER AND SPECIAL SYSTEMS PLANS FOR EXACT QUANTITY AND LOCATION OF PANELS, ANNUNCIATORS AND DEVICES. ALL CONDUIT SHALL BE 3/4" MINIMUM. WHERE CATALOG NUMBERS ARE SHOWN, THEY ARE SHOWN FOR REFERENCE ONLY. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. FIRE ALARM SUBCONTRACTOR SHALL PROVIDE ALL REQUIRED OPTIONS, ACCESSORIES, SUPPORT PERIPHERAL EQUIPMENT AND PROGRAMMING IN ORDER TO PROVIDE COMPLETE, OPERATIONAL SYSTEM. PROGRAMMING SHALL BE AS SHOWN ON FIRE ALARM FUNCTIONAL MATRIX BELOW.
- DEDICATED 120VOLT POWER CIRCUIT AS INDICATED.
- SCL LOOP(S): WEST PENN #991 - #16 TWISTED SHIELDED PAIR.
- NOTIFICATION APPLIANCE CIRCUIT(S): WEST PENN #994 - #14 TWISTED JACKETED PAIR.
- REMOTE ANNUNCIATOR DATA AND POWER: (1) WEST PENN #990 - #16 JACKETED PAIR AND (2) WEST PENN #991 - #16 TWISTED SHIELDED PAIR.
- PROVIDE AND INSTALL REMOTE POWER SUPPLY ON NOTIFICATION APPLIANCE CIRCUIT AS REQUIRED.
- INSTALL SYNCH MODULE, EQUAL TO WHEELLOCK DSM, AT FIRST STROBE DEVICE OF EACH STROBE CIRCUIT FOR FLASH SYNCHRONIZATION.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEERS SEAL	
CONTRACTOR	WORKS BY	DATE	DATE	FIELD NOTES	DATE	NO.	BY
INSPECTOR'S	ACCEPTANCE BY	DATE	DATE				
DRAWINGS	VERIFICATION BY	DATE	DATE				
CORRECTED BY	DATE						
RECORDED BY	DATE						
NO.							



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CITY OF ALBUQUERQUE
TRANSIT DEPARTMENT

TITLE: YALE TRANSIT FACILITY-RENOVATION
ELECTRICAL SCHEDULES AND DETAILS

Design Review Committee	City Engineer Approval	Mo. / Day / Yr.	Mo. / Day / Yr.
Zone Map No. XXXXX	Sheet E7 of	REVISIONS	DESIGN
DESIGNED BY	DRAWN BY	DATE 02/25/03	DATE 02/25/03
CHECKED BY		DATE 02/25/03	

