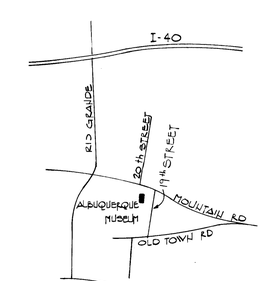
THE ALBUQUERQUE MUSEUM



SITE LOCATION PLAN

ELECTRONIC SURVEILLANCE SYSTEM

ZERWER ENGINEERING, INC.
2412 D MONROE, NE (505) 884-6010
ALBUQUERQUE, NEW MEXICO

APPROVED FOR CONSTRUCTION
CITY ENGINEER

26 20320085

10-17-85

SHEET INDEX

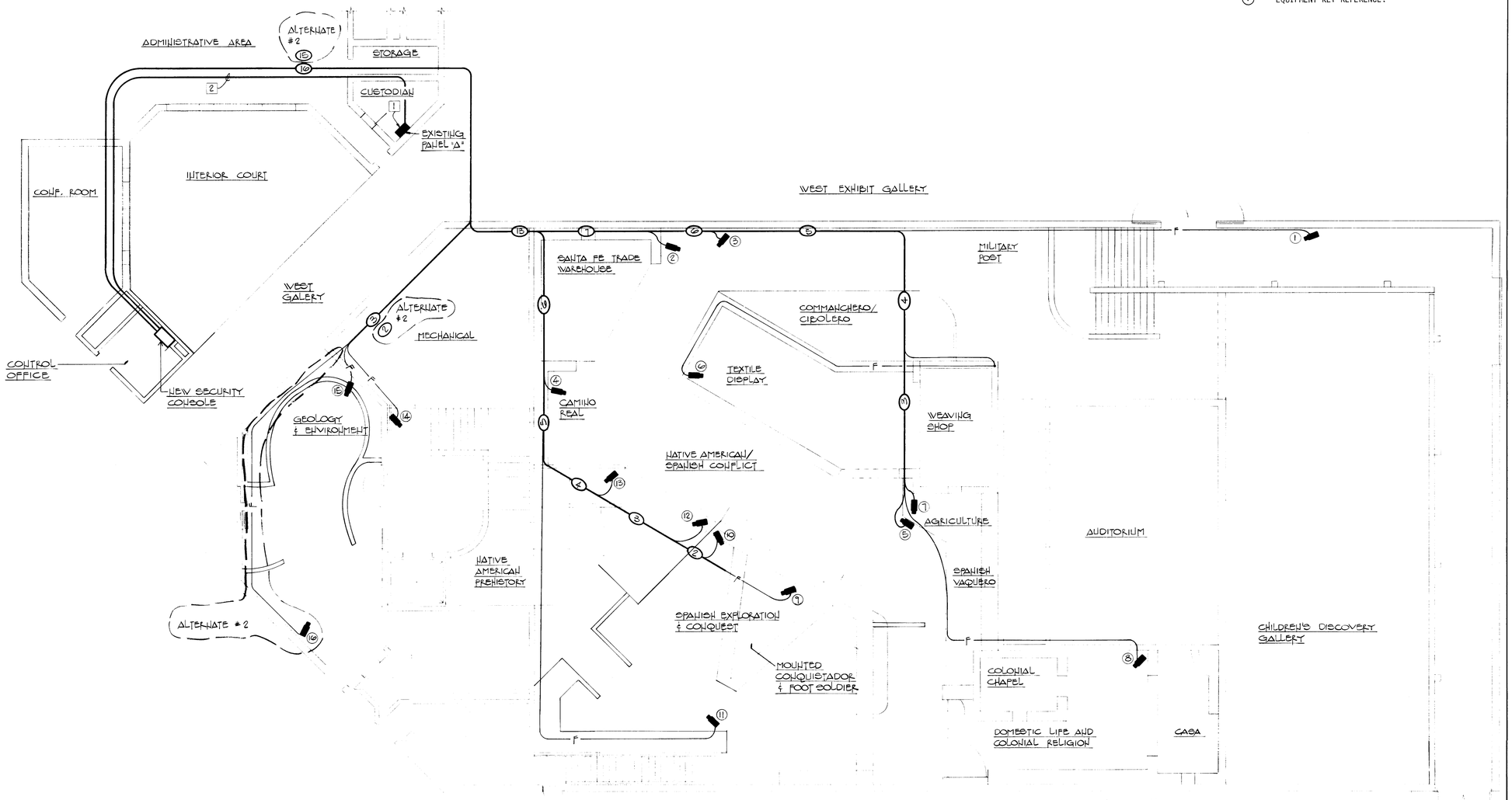
ES-1 Floor Plan, Symbols, and Notes
ES-2 Diagrammatic Layout and Security Console Details

"AS-BUILT"
AS PER INFORMATION SUPPLIED BY OTHERS
10-10-85

2032

SET NO:

PROJECT NO. 2032



FLOOR PLAN - ELECTRONIC SURVEILLANCE SYSTEM
SCALE: 1/8" = 1'-0"

SYMBOLS

- CAMERA. APPROXIMATE LOCATION ONLY, SEE TECHNICAL SPECIFICATIONS FOR REQUIREMENTS. CAMERA NUMBER IS INDICATED IN CIRCLE ADJACENT.
- —F— SINGLE FIBER OPTICAL CABLE
- —③— MULTIPLE RUN OF FIBER OPTICAL CABLES. QUANTITY IS INDICATED BY NUMBER IN OVAL.
- [1] TYPICAL KEYED NOTE.
- (1) EQUIPMENT KEY REFERENCE.

KEYED NOTES

[1] WIRE WITH 2 #12 & 1 #12(GROUND) THHN CU. IN NEW 1/2" EMT FROM EXISTING 20 AMP SINGLE POLE SPARE BREAKER #15. PROVIDE LOCK-ON CLIP ON BREAKER HANDLE. LABEL CIRCUIT DIRECTORY "NEW SECURITY CONSOLE - CONTROL OFFICE".

[2] NEW 1/2" EMT RUN ABOVE EXISTING SUSPENDED CEILINGS. SECURE TO CEILING SUPPORT CHANNELS WITH SPRUNG STEEL FASTENERS. ACCESS TO CEILING SPACE WILL BE OBTAINED BY DEMOUNTING EXISTING RECESSED LIGHT FIXTURES, AIR GRILLES AND ACCESS PANELS.

120 VOLT AC POWER FOR CAMERAS

The Contractor will install 2 #12 & 1 #12(ground) THHN copper conductors in 1/2" EMT from the nearest lighting circuit outlet box at, above or near ceiling level to a new single 15 amp, 125 volts AC transient voltage suppressor receptacle which the Contractor will locate adjacent to each camera. Tap offs will be made from the switched side of the lighting circuit serving the same area as the camera unless such circuit is controlled by an existing lighting dimmer unit in which case the tap off will be made before the dimmer unit or from another non-dimmer controlled circuit serving the same area as the camera.

AS BUILT INFORMATION
CONTRACTOR
WORK INSPECTED BY — DATE
ACCEPTANCE BY — DATE
FIELD LOCATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

PROJECT NO. 2032

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
DESIGN	DATE 2/14/84	DESIGNED BY JCK	
	DATE 2/14/84	DRAWN BY MC	
	DATE 2/14/84	CHECKED BY ALZ	

26 203201.85

"AS-BUILT"
AS PER INFORMATION SUPPLIED BY OTHERS
10-10-85

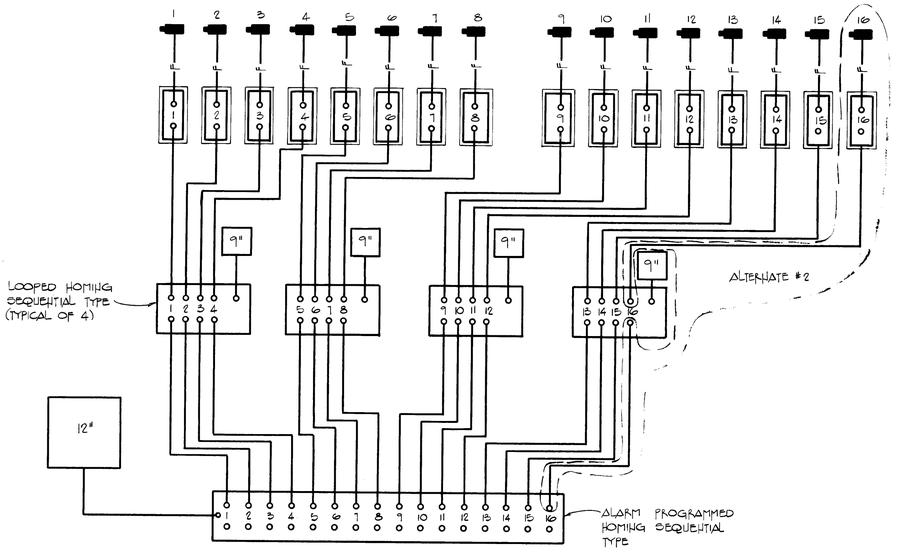
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: THE ALBUQUERQUE MUSEUM
ELECTRONIC SURVEILLANCE SYSTEM
FLOOR PLAN, SYMBOLS & NOTES

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Solid Waste	NA WFG	4-17-84
A.C.E. - Design		4/17/84	Traffic	NA TWK	4/17/84
A.C.E. - Hydrology		4/17/84	Water	NA WFG	4-17-84

DRAWING NO. ES-1 | MAP NO. | SHEET 1 OF 2

2032

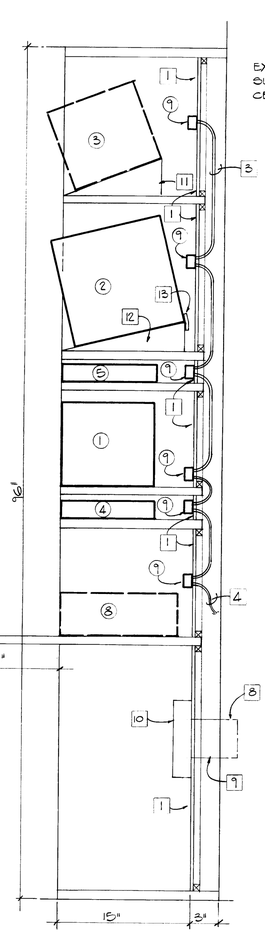


DIAGRAMMATIC LAYOUT
NO SCALE

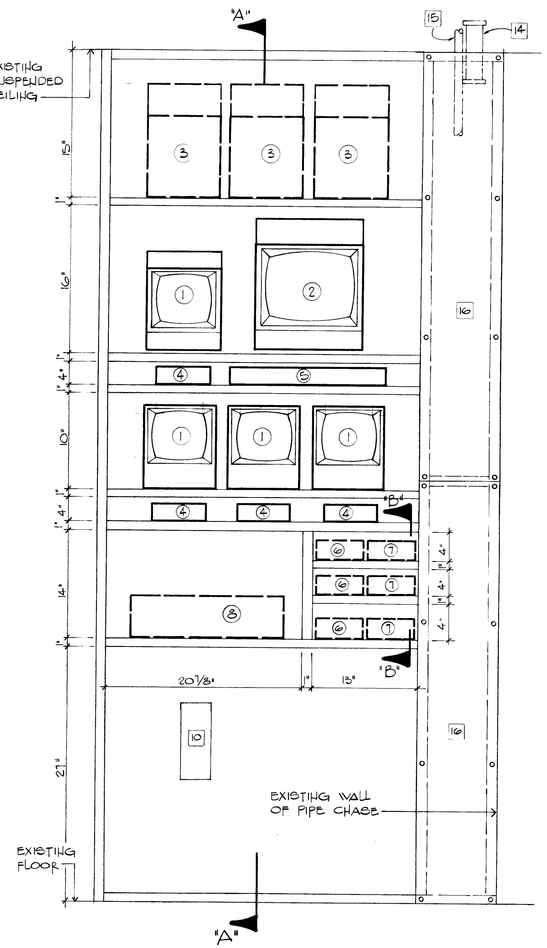
NOTE: REQUIRED EQUIPMENT POWER SUPPLIES NOT SHOWN.

SYMBOLS

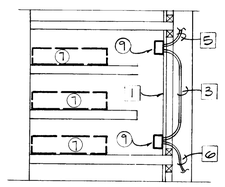
- CAMERA
- MONITOR (SIZE AS NOTED)
- SWITCHER (VIDEO)
- FIBER OPTIC RECEIVER
- —F— FIBER OPTICAL CABLE
- ——— CO-AXIAL CABLE



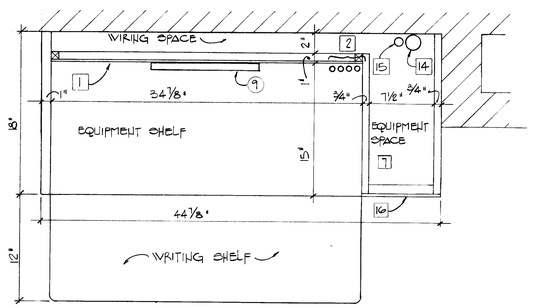
SECTION "A-A"
NTS



FRONT ELEVATION
NTS



SECTION "B-B"
NTS



PLAN
NTS

NEW SECURITY CONSOLE DETAILS

KEYED NOTES

1. TYPICAL 1/4" PLYWOOD BACK PANEL SCREW MOUNTED TO 3/4" WOOD FRAME BEHIND. CONTRACTOR WILL LEAVE SUFFICIENT SLACK IN FLEXIBLE CONDUITS TO ALLOW FOR REMOVAL OF BACK PANEL FROM FRONT OF CONSOLE.
2. TYPICAL 1/4" DIAMETER VENT HOLES ALONG ENTIRE LENGTH OF EACH EQUIPMENT SHELF. HOLES WILL BE AT 1" CENTERS.
3. TYPICAL 1/2" DIAM. FLEXIBLE METALLIC CONDUIT WIRED WITH 2 #12 & 1 #12 (GROUND) THHN CU. SEE ALSO NOTE [1] ABOVE. PROVIDE 90 DEGREE SQUEEZE TYPE BOX CONNECTOR FOR ATTACHING CONDUIT TO SURFACE METAL RACEWAY ON FRONT OF BACK PANEL.
4. FLEXIBLE CONDUIT FROM RACEWAY PER SECTION 'B-B'
5. FLEXIBLE CONDUIT TO RACEWAY PER SECTION 'A-A'
6. FLEXIBLE CONDUIT TO RECEPTACLES IN EQUIPMENT SPACE.
7. CONTRACTOR WILL INSTALL FIBER OPTICAL RECEIVERS AND AN ADEQUATE NUMBER OF 15A 125 VOLT RECEPTACLES THEREFOR WITHIN THIS SPACE. ALL EQUIPMENT AND OUTLETS WILL BE LOCATED TO PROVIDE PROPER ACCESS FOR MAINTENANCE AND FUTURE ADDITIONS THROUGH THE ACCESS PANEL.
8. EXISTING TELEPHONE OUTLET BOX FLUSH IN WALL.
9. NEW BOX EXTENSION RINGS BY CONTRACTOR.
10. EXISTING TELEPHONE TERMINAL RELOCATED TO FRONT OF NEW BACK PANEL. CONTRACTOR WILL MAKE ALL NECESSARY ARRANGEMENTS WITH TELEPHONE COMPANY OR UTILITY FOR THIS WORK TO BE EXECUTED AND PAY ALL CHARGES INCURRED THEREWITH.
11. 20 DEGREE ANGLED WEDGE SUPPORT PLATFORM SECURED TO EQUIPMENT SHELF.
12. AS PER NOTE [11] BUT 12-1/2 DEGREE ANGLE.
13. METAL ANGLED SUPPORT STRAPS BOLTED TO MONITOR. TWO PER MONITOR.
14. 6" LENGTH OF 1-1/2" METAL CONDUIT SECURED TO WALL FOR ROUTING FIBER OPTICAL CABLES FROM CEILING SPACE INTO EQUIPMENT SPACE.
15. 1/2" EMT CONDUIT PER NOTE [1] ON SHEET ES-1. EXTEND TO RECEPTACLES PER NOTE [7] ABOVE.
16. EQUIPMENT SPACE ACCESS PANEL. 1/4" PLYWOOD BOLTED TO FRAMEWORK BEHIND.

EQUIPMENT KEY

1. 9" MONITOR
2. 12" MONITOR
3. FUTURE 9" MONITOR (EXTERIOR SYSTEM)
4. SWITCHER FOR MONITOR ABOVE.
5. MASTER SWITCHER FOR MONITOR ABOVE.
6. FUTURE P/T CONTROL (EXTERIOR SYSTEM)
7. FUTURE ZOOM LENS CONTROL (EXTERIOR SYSTEM)
8. FUTURE VCR
9. SURFACE METAL RACEWAY AND RECEPTACLES.

26 2032.285

"AS-BUILT"
AS PER INFORMATION SUPPLIED BY OTHERS 10-10-85

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTED BY
AS-BUILT MADE BY
FIELD — DATE
VERIFICATION BY
DRAWING — DATE
CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO

NO	DATE	REMARKS
		REVISIONS
		DESIGN
		DESIGNED BY JCK — DATE 3/14/84
		DRAWN BY A.V. — DATE 3/14/84
		CHECKED BY ALZ — DATE 3/14/84

PROJECT NO 2032

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: THE ALBUQUERQUE MUSEUM
ELECTRONIC SURVEILLANCE SYSTEM
DIAGRAMMATIC LAYOUT & SECURITY CONSOLE DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	R.J. Hayes	4/17/84	Solid Waste	N/A	4-17-84
A C E - Design	G.L. Wilson	4/17/84	Traffic	N/A	4/17/84
A C E - Hydrology	Ron Hayes	4/17/84	Water	N/A	4-17-84

DRAWING NO. ES-2 | MAP NO. | SHEET 2 OF 2

2032