

SHEET NOTES:

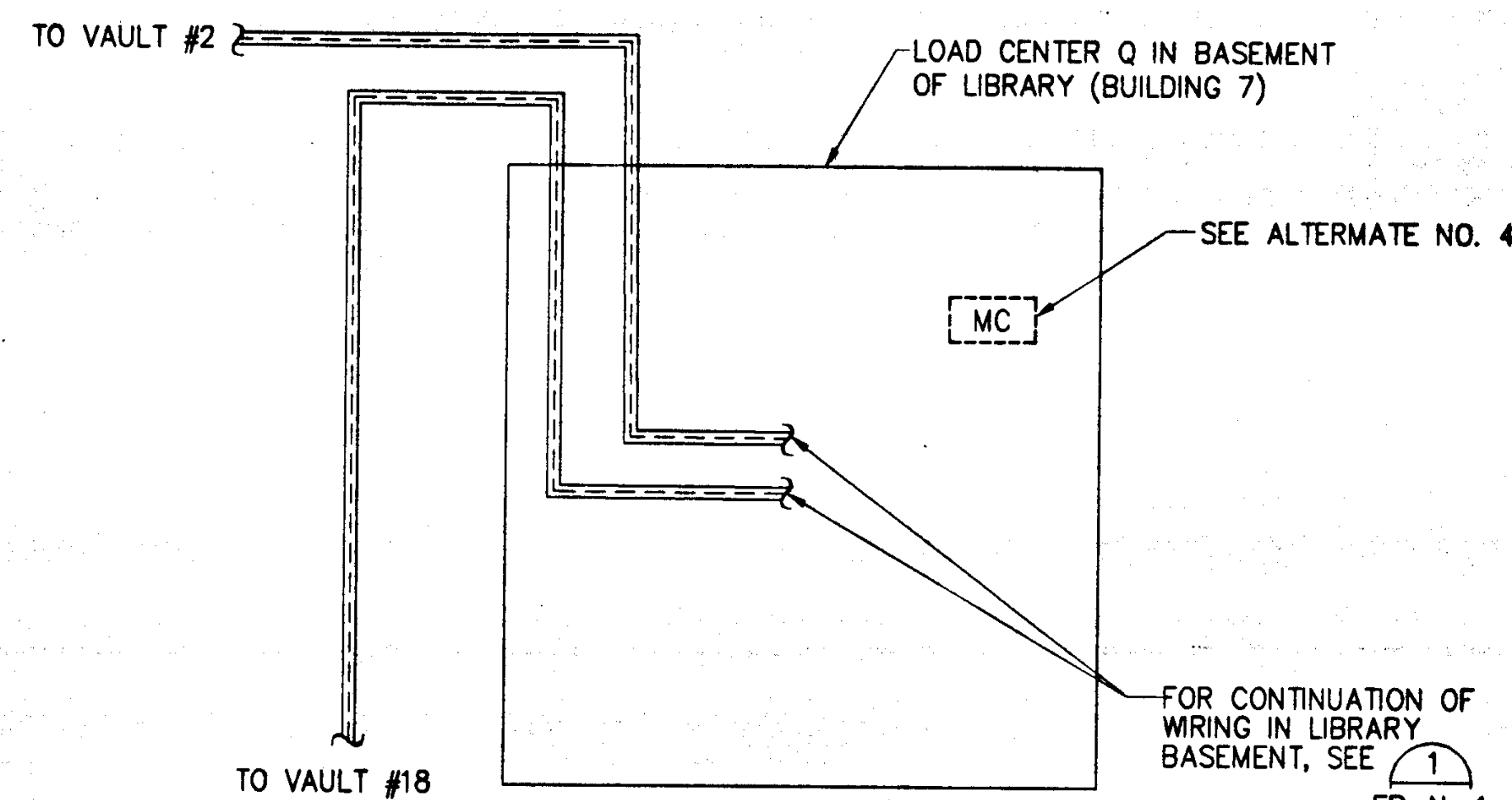
- THIS SITE PLAN SHOWS THE EXISTING UNDERGROUND CONDUIT ROUTING TO BE USED FOR THE NEW CAMPUS FIRE ALARM NETWORK SYSTEM.
- ALL DIMENSIONS AND CONDUIT RUNS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL CONDUIT LENGTHS AND ROUTING.
- WHERE MORE THAN ONE CONDUIT EXISTS FOR THE ROUTING SHOWN, CONTRACTOR SHALL INSTALL THE NEW FIRE ALARM WIRE IN THE CONDUIT WHICH PROVIDES THE LEAST AMOUNT OF OBSTRUCTION. ALL NEW WIRE SHALL BE INSTALLED IN ACCORDANCE WITH CEC.
- SEE 1 FOR SINGLE LINE DIAGRAM OF NETWORK.
- SEE SHEET FP-N-1 FOR BUILDING LEGEND, ZONE LAYOUT AND LOAD CENTER LEGEND.
- ALL FIRE ALARM TERMINAL BOXES SHALL BE LOCATED ON THE GROUND LEVEL OF THE LOAD CENTER OR ROOM INDICATED ON PLANS. LOCATE (N) TERMINAL CABINETS COINCIDENT WITH EXISTING FIRE ALARM PANELS OR SIGNAL PANELS TO UTILIZE EXISTING CONDUITS.
- WHERE DRAWINGS SHOW A CONDUIT ROUTING WITH TWO (2) WIRE PAIRS, CONTRACTOR SHALL INSTALL EACH PAIR IN A SEPARATE CONDUIT IF AVAILABLE CONDUITS EXIST.
- WIRE SIZES SHOWN ARE MINIMUM. CONTRACTOR SHALL PROVIDE WIRE SIZES ACCORDING TO HARDWARE REQUIREMENTS.
- PROVIDE (1) ADDITIONAL #16 TSP FOR CONNECTION OF NEW CAMPUS REMOTE GRAPHICS ANNUNCIATOR PANEL (NGAP).
- FIELD ROUTE #16 TSP W/ CONDUIT TO NGAP. COORDINATE FINAL OUTSIDE LOCATION WITH OWNER AND OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

LEGEND

	COVERED WALKWAY
	BUILDING LOCATION
	BUILDING NUMBER
	UNDERGROUND UTILITY VAULT WITH MANHOLE
	NEW CONDUIT WITH TSP (FIELD ROUTE AS REQUIRED)
	LOAD CENTER DESIGNATION
	NEW FIRE ALARM CONTROL PANEL WITH BATTERY BACKUP
	(E) TIME CLOCK CONTROL PANEL
	FUTURE MASTER CLOCK CONTROL PANEL
	NETWORK GRAPHICAL ANNUNCIATOR
	JUNCTION BOX
	CABLE TERMINAL CABINET
	NETWORK ANNUNCIATOR PANEL
	EXISTING TELECOMMUNICATIONS CONDUIT BANK (4" PVC)
	EXISTING SIGNALING CONDUIT BANK (PVC OR RIGID)
	(E) TELECOMMUNICATION JUNCTION BOX

ALTERNATES:

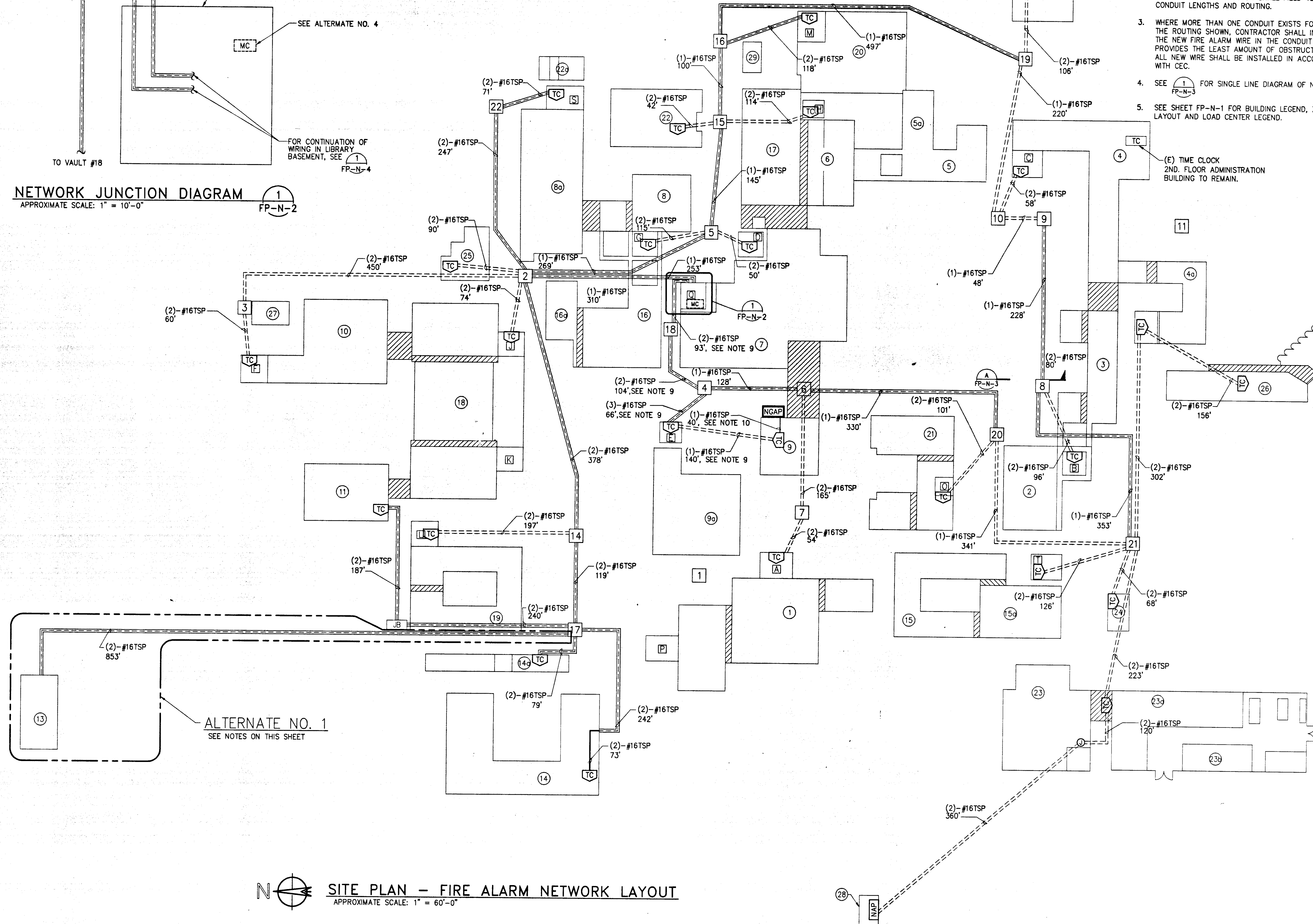
- ALTERNATE NO.1**
PROVIDE AND INSTALL REMOTE GRAPHICS ANNUNCIATOR PANEL IN BUILDING NO. 13-FACILITY MAINTENANCE AND CONNECT TO CAMPUS FIRE ALARM NETWORK (ZONE 1) AS SHOWN.
- ALTERNATE NO.2**
PROVIDE AND INSTALL ONE (1) ADDITIONAL PAIR OF WIRES FOR EACH PAIR SHOWN ON THE NETWORK.
- ALTERNATE NO.3**
PROVIDE AND INSTALL TWO (2) ADDITIONAL PAIR OF WIRES FOR EACH PAIR SHOWN ON THE NETWORK.
- ALTERNATE NO.4**
ALL ITEMS BELOW ARE INCLUDED UNDER ALT. NO. 4
 - CONTRACTOR SHALL PROVIDE AND INSTALL MINIMUM 3 (N) CONDUCTORS TO EACH BUILDING FROM (E) UNDERGROUND SIGNAL CONDUIT BANK. NEW WIRE SHALL PROVIDE THE BACKBONE FOR FUTURE INSTALLATION OF MASTER TIME CLOCK SYSTEM. (ANALOG OR DIGITAL)
 - THE FUTURE TIME CLOCK MASTER CONTROL WILL BE LOCATED IN THE TELECOMMUNICATIONS ROOM IN THE BASEMENT OF THE LIBRARY.
 - CONTRACTOR SHALL BASE HIS DESIGN AROUND FUTURE MASTER CLOCK CONTROL PANEL DEMAND AND FUNCTION REQUIREMENT. FUTURE PANEL TO BE NOTIFIER, MC-1, EXPANDED PROGRAMMABLE MASTER CLOCK, CAPABLE OF CONTROL THE ENTIRE CAMPUS.
 - CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WHICH SHOW EXACT WIRE SIZE, NUMBER AND ROUTINGS TO EXISTING BUILDINGS. CONTRACTOR SHALL TERMINATE RUNS INSIDE EXISTING BUILDINGS, IF REQUIRED AT EXISTING SLAVE CLOCK LOCATIONS.
 - CONTRACTOR SHALL REDUCE NUMBER OF CONDUCTOR PULLS TO INDIVIDUAL BUILDINGS BY PROVIDING DETAILED VOLTAGE DROP CALCULATIONS FOR REVIEW, PROVING CIRCUIT CAPACITY.
 - CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING MASTER AND SLAVE CLOCK LOCATIONS PRIOR TO SUBMITTING A BID.
- REFER TO PROJECT SPECIFICATIONS FOR OTHER REQUIREMENTS ON ALTERNATES.



NETWORK JUNCTION DIAGRAM

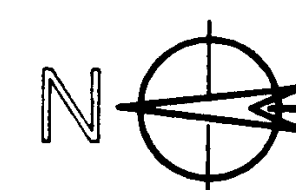
APPROXIMATE SCALE: 1" = 10'-0"

1
FP-N-2



ALTERNATE NO. 1

SEE NOTES ON THIS SHEET



SITE PLAN - FIRE ALARM NETWORK LAYOUT

APPROXIMATE SCALE: 1" = 60'-0"

NO.	DATE	REVISION	DRAWN	DESIGN	CHECK	APPROVED
F	3/18/98	ISSUED FOR BID	-	-	-	-
E	2/27/98	ISSUED FOR PLAN CHECK COMMENTS	PB	SJS	AWT	AWT
D	12/15/97	ISSUED FOR PLAN CHECK	PB	SJS	AWT	AWT
C	10/30/97	NETWORK SYSTEM - 95% SUBMITTAL	DV	SS	AT	AT
B	11/26/96	NETWORK SYSTEM - 90% SUBMITTAL	DV	SS	AT	AT
A	11/4/96	NETWORK SYSTEM - 50% SUBMITTAL	DV	SS	AT	AT

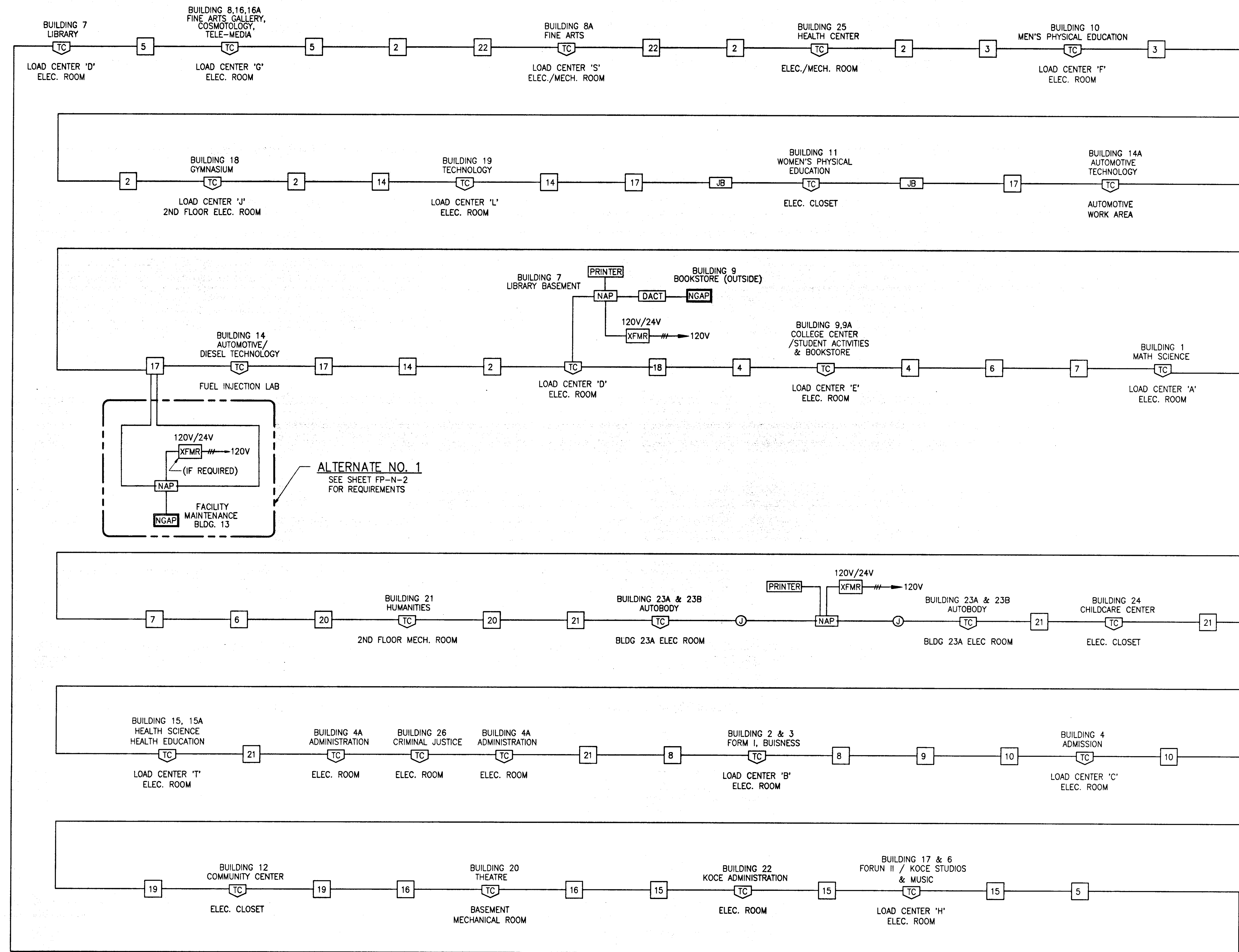
THE BENTLEY COMPANY
Engineering-Architecture-Management
611 Anton Boulevard, Suite 700
Costa Mesa, California 92626
Facsimile: 714-434-1888
Telephone: 714-434-1800
1777 Redwood Drive, Suite 500
Walnut Creek, CA 94596-5176
Facsimile: 510-945-3550
Telephone: 510-945-3500

JOB-NO: 6134-13 FILE: GW13-FP2

Coast Community College District
1370 Adams Ave., Costa Mesa, CA 92626
(714) 432-5707/5709

Golden West College
15744 Golden West Street • Huntington Beach, CA • 92647

Project:	CAMPUS FIRE ALARM SYSTEM REPLACEMENT - NETWORK SYSTEM
DRAWING TITLE:	SITE PLAN - FIRE ALARM NETWORK LAYOUT
SCALE:	AS NOTED
DRAWING NO:	FP-N-2
REV:	F



CAMPUS FIRE ALARM NETWORK SINGLE LINE DIAGRAM
NOT TO SCALE

1
FP-N-3

NO.	DATE	REVISION	DRAWN	DESIGN	CHECK	APPROVED
F	3/18/98	ISSUED FOR BID	—	—	—	—
E	2/27/98	ISSUED FOR PLAN CHECK COMMENTS	PB	SJS	AWT	AWT
D	12/15/97	ISSUED FOR PLAN CHECK	PB	SJS	AWT	AWT
C	10/30/97	NETWORK SYSTEM — 95% SUBMITTAL	TD	SS	AT	AT
B	11/26/96	NETWORK SYSTEM — 90% SUBMITTAL	TD	SS	AT	AT
A	11/4/96	NETWORK SYSTEM — 50% SUBMITTAL	DV	SS	AT	AT

THE BENTLEY COMPANY
Engineering-Architecture-Management
400 Anton Boulevard, Suite 850
Costa Mesa, California 92626
Facsimile: 714-434-1888
Telephone: 714-434-1800
1777 Botelho Drive, Suite 200
Walnut Creek, CA 94596-5176
Facsimile: 510-945-3550
Telephone: 510-945-3500
BENTLEY

JOB-NO: 6134-13 FILE: GW13-FP3

Coast Community College District
(714) 432-5707/5709
1370 Adams Ave., Costa Mesa, CA 92626

Golden West College
15744 Golden West Street • Huntington Beach, CA • 92647

Project: CAMPUS FIRE ALARM SYSTEM
REPLACEMENT — NETWORK SYSTEM
DRAWING TITLE:
NETWORK DETAILS
AND DIAGRAM
SCALE: AS NOTED DRAWING NO: FP-N-3 REV. F