TECHNOLOGY FACEPLATE DETAILS
NUMBER

SINGLE GANG
2 PORT FACEPLATE

SINGLE GANG FACEPLATE

20A, 120VAC SINGLE RECEPT. OUTLET

CAT 6 RJ45 JACK

Wireless Network
(12" Below Ceiling)
WN

SINGLE GANG 2 PORT FACEPLATE

CAT 6 RJ45 JACK

CAT 6 RJ45 JACK

Duplex Data
18" AFF

SINGLE GANG 1 PORT FACEPLATE

F—CONNECTOR MODULE

Television
18" AFF
TV

SINGLE GANG 1 PORT FACEPLATE

CAT 6 RJ45 JACK

Telephone
18" AFF
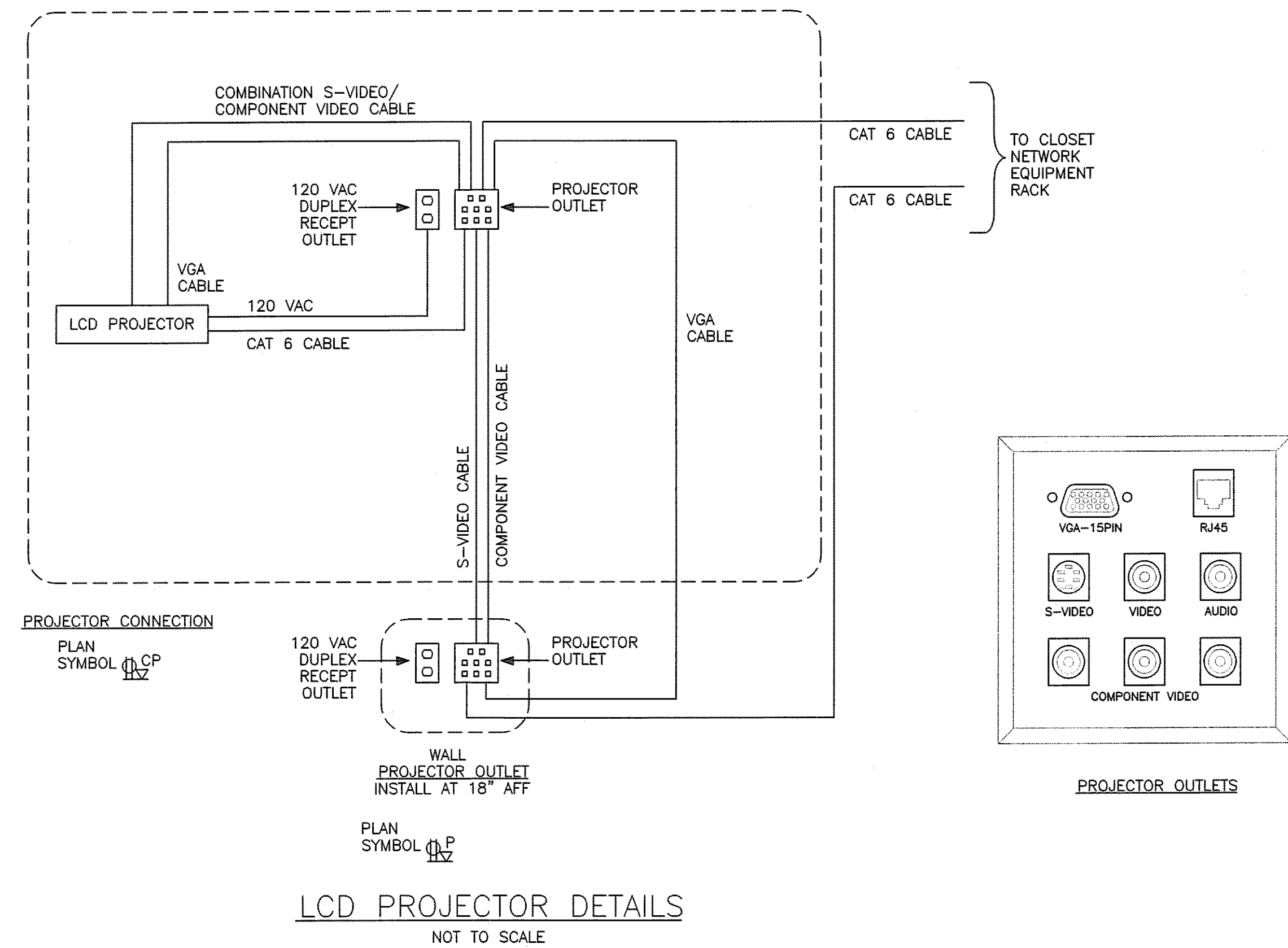
LCD PROJECTOR DETAILS
NOT TO SCALE

COMBINATION S-VIDEO/ COMPONENT VIDEO CABLE

120 VAC DUPLEX RECEPT OUTLET

PROJECTOR OUTLET

CAT 6 CABLE
CAT 6 CABLE
TO CLOSET NETWORK EQUIPMENT RACK

VGA CABLE

LCD PROJECTOR

120 VAC

CAT 6 CABLE

S-VIDEO CABLE

COMPONENT VIDEO CABLE

VGA CABLE

PROJECTOR CONNECTION
PLAN SYMBOL CP

120 VAC DUPLEX RECEPT OUTLET

PROJECTOR OUTLET

WALL PROJECTOR OUTLET
INSTALL AT 18" AFF

PLAN SYMBOL P

PROJECTOR OUTLETS

VGA-15PIN   RJ45
S-VIDEO   VIDEO   AUDIO
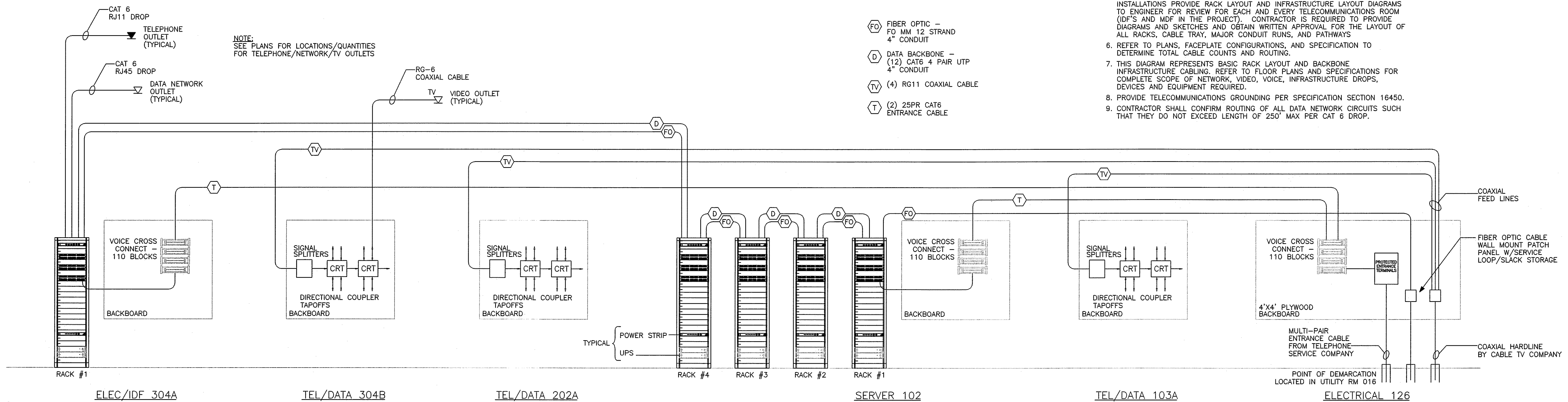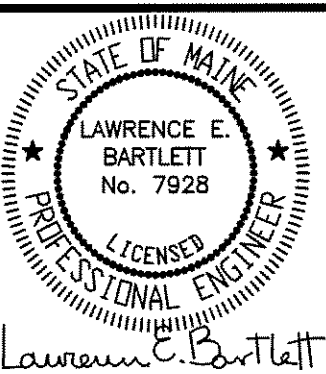COMPONENT VIDEO

TELECOMMUNICATIONS RISER DIAGRAM NOTES:

1. VOICE AND DATA DROP WIRING SHALL BE SEPARATED INTO PATCH PANELS AT EACH EQUIPMENT RACK.

2. PROVIDE PATCH PANELS AND TERMINATIONS FOR ALL CABLES AND NETWORK OUTLET JACKS. PROVIDE MIN. 20% SPARE PATCH PANEL CAPACITY IN ALL RACKS.

3. PROVIDE RACKS WITH BOTH VERTICAL AND HORIZONTAL CABLE MANAGERS.

4. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING CABLE LOADING REQUIREMENTS (FOR SPRINKLERED AND NON-SPRINKLERED AREAS) FOR ABOVE CEILING LOCATIONS AS REQUIRED BY THE STATE FIRE MARSHALL'S OFFICE FOR ABOVE CEILING APPLICATIONS.

5. PRIOR TO INSTALLING ANY RACKS, PATCH PANELS AND/OR ANY CABLE INSTALLATIONS PROVIDE RACK LAYOUT AND INFRASTRUCTURE LAYOUT DIAGRAMS TO ENGINEER FOR REVIEW FOR EACH AND EVERY TELECOMMUNICATIONS ROOM (IDF'S AND MDF IN THE PROJECT). CONTRACTOR IS REQUIRED TO PROVIDE DIAGRAMS AND SKETCHES AND OBTAIN WRITTEN APPROVAL FOR THE LAYOUT OF ALL RACKS, CABLE TRAY, MAJOR CONDUIT RUNS, AND PATHWAYS

6. REFER TO PLANS, FACEPLATE CONFIGURATIONS, AND SPECIFICATION TO DETERMINE TOTAL CABLE COUNTS AND ROUTING.

7. THIS DIAGRAM REPRESENTS BASIC RACK LAYOUT AND BACKBONE INFRASTRUCTURE CABLING. REFER TO FLOOR PLANS AND SPECIFICATIONS FOR COMPLETE SCOPE OF NETWORK, VIDEO, VOICE, INFRASTRUCTURE DROPS, DEVICES AND EQUIPMENT REQUIRED.

8. PROVIDE TELECOMMUNICATIONS GROUNDING PER SPECIFICATION SECTION 16450.

9. CONTRACTOR SHALL CONFIRM ROUTING OF ALL DATA NETWORK CIRCUITS SUCH THAT THEY DO NOT EXCEED LENGTH OF 250' MAX PER CAT 6 DROP.

FO FIBER OPTIC – FO MM 12 STRAND 4" CONDUIT

D DATA BACKBONE – (12) CAT6 4 PAIR UTP 4" CONDUIT

TV (4) RG11 COAXIAL CABLE

T (2) 25PR CAT6 ENTRANCE CABLE

TELECOMMUNICATIONS RISER DIAGRAM
NOT TO SCALE

CAT 6 RJ11 DROP
TELEPHONE OUTLET (TYPICAL)

CAT 6 RJ45 DROP
DATA NETWORK OUTLET (TYPICAL)

NOTE:
SEE PLANS FOR LOCATIONS/QUANTITIES FOR TELEPHONE/NETWORK/TV OUTLETS.

RG-6 COAXIAL CABLE
TV VIDEO OUTLET (TYPICAL)

VOICE CROSS CONNECT – 110 BLOCKS

BACKBOARD

RACK #1

ELEC/IDF 304A

SIGNAL SPLITTERS
CRT   CRT
DIRECTIONAL COUPLER TAPOFFS
BACKBOARD

TEL/DATA 304B

SIGNAL SPLITTERS
CRT   CRT
DIRECTIONAL COUPLER TAPOFFS
BACKBOARD

TEL/DATA 202A

RACK #4   RACK #3   RACK #2   RACK #1

POWER STRIP
TYPICAL
UPS

SERVER 102

VOICE CROSS CONNECT – 110 BLOCKS
BACKBOARD

SIGNAL SPLITTERS
CRT   CRT
DIRECTIONAL COUPLER TAPOFFS
BACKBOARD

TEL/DATA 103A

VOICE CROSS CONNECT – 110 BLOCKS

4'X4' PLYWOOD BACKBOARD

MULTI-PAIR ENTRANCE CABLE FROM TELEPHONE SERVICE COMPANY

POINT OF DEMARCATION LOCATED IN UTILITY RM 016

PROTECTED ENTRANCE TERMINALS

ELECTRICAL 126

COAXIAL FEED LINES

FIBER OPTIC CABLE WALL MOUNT PATCH PANEL W/SERVICE LOOP/SLACK STORAGE

COAXIAL HARDLINE BY CABLE TV COMPANY

STATE OF MAINE
LAWRENCE E. BARTLETT
No. 7928
LICENSED PROFESSIONAL ENGINEER