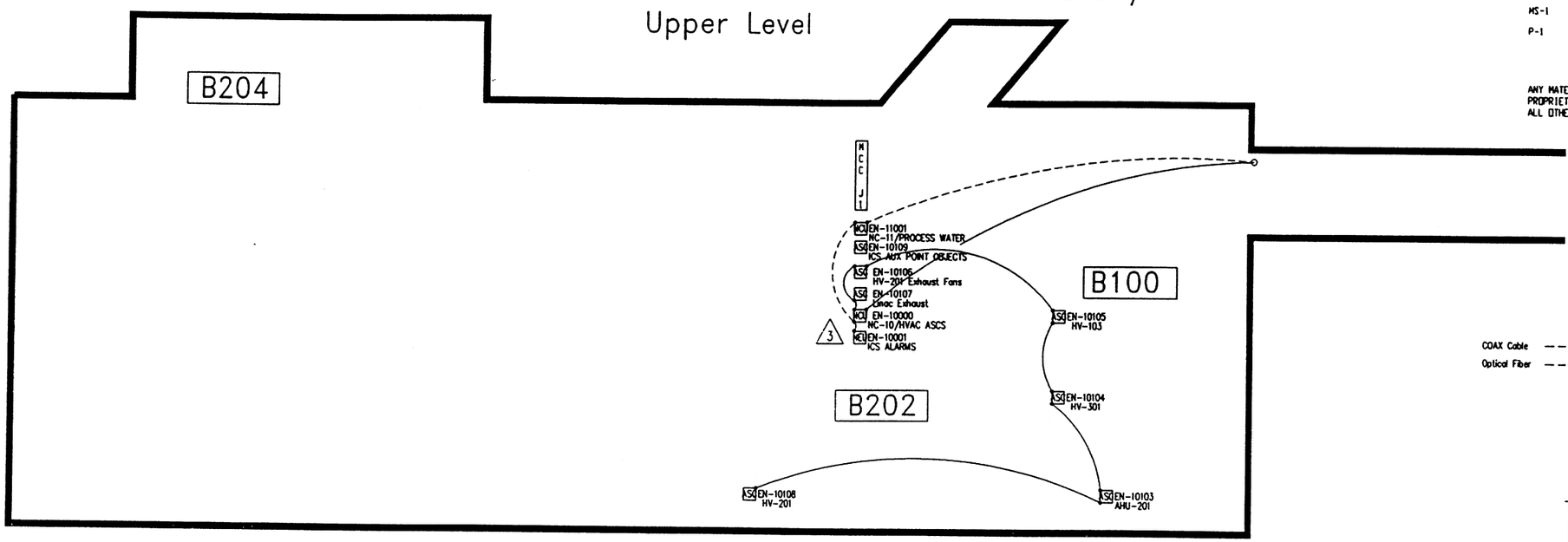
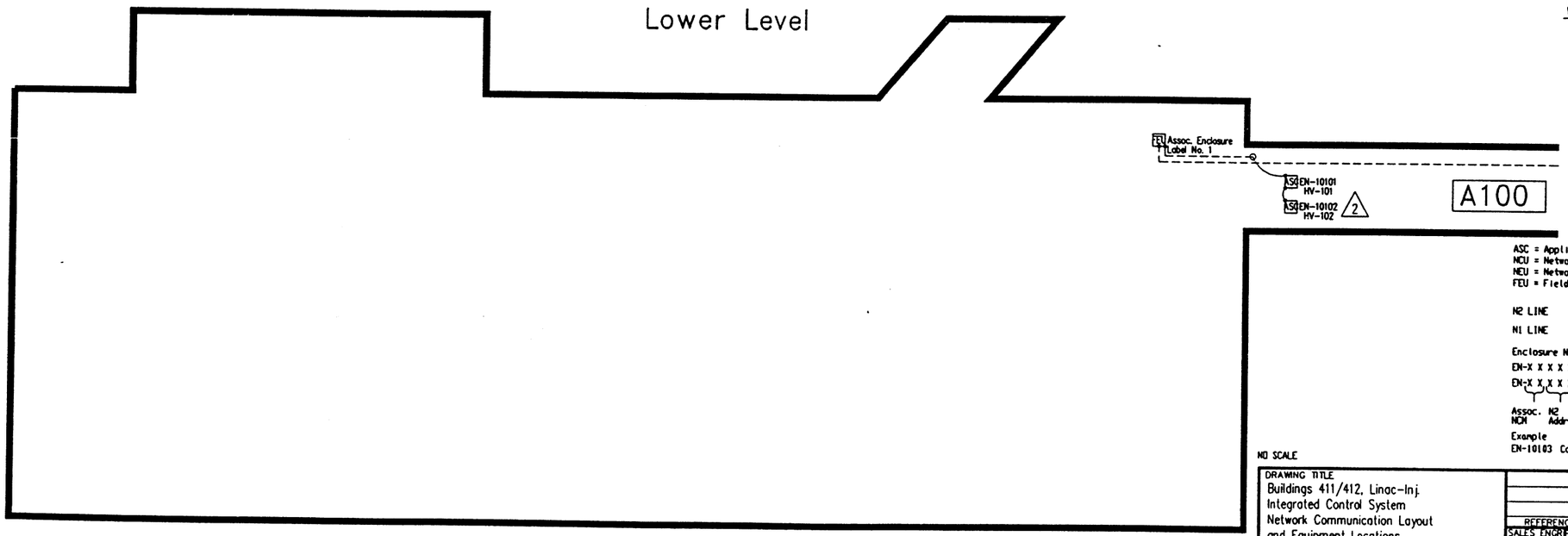
Control Hardware Locations and Communications Layout
Upper Level



Lower Level



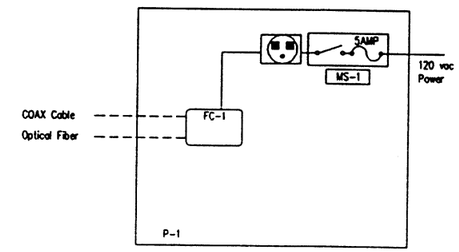
PANEL MATERIAL

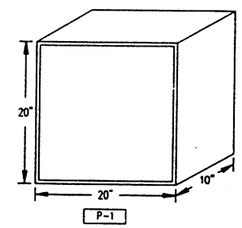
DEVICE TAG	QTY	CODE NUMBER	DESCRIPTION
FC-1	1	MOD_HUB-16	FIBER/COAX LAN HUB-CCC
	1	EXP-CKS/FOG-ST	2ST 2BNC MODHUB EX MOD-CCS
MS-1	1	PD-112-22	BUSS SSU FUSE HOLDER/
	1	PD-112-23	FUSE T-5 (5AMP) FOR
P-1	1	ENC-1000-11	ENCLOSURE 20"X20"
	1	ENC-1000-114	PLYMETAL SUBPLATE 20X20
	1	ENC-1000-116	DOOR, VENTILATED 20"X20"

ANY MATERIAL WITH A (P) PRECEEDING THE DEVICE TAG IS CONSIDERED PROPRIETARY EQUIPMENT AND IS BEING SUPPLIED BY JOHNSON CONTROLS, INC. ALL OTHER MATERIAL IS NON-PROPRIETARY EQUIPMENT.

2

MOUNT FIELD COMMUNICATIONS MODULE INSIDE PANEL, P-1 AT THE POINT WHERE THE COAX MEDIA ENTERS BUILDING 411.





ICS Legend

- NSC Enclosure No. System
- NCU Enclosure No. Label No. 1
- NEU Enclosure No. Label No. 1
- FEU Assoc. Enclosure Label No. 1
- OWS Operator Work Station Node Address

ASC = Application Specific Controller, N2 Device(s)
NCU = Network Control Unit, N2 Control Module and/or N1 Device(s)
NEU = Network Expansion Unit, N2 Control Module Device(s)
FEU = Field Equipment Unit, Auxiliary Control Devices

N2 LINE ————————————

N1 LINE - - - - - - - - - - - - - - - - - -

Enclosure Numbering System

EN-X X X X X

EN-X X X X X

Assoc. NCN — N2 Address

Example

EN-10103 Controlling NCN=10 and the N2 Address is 103

NO SCALE

FILE: 411_LAY

REFERENCE DRAWING NO	REVISION-LOCATION	ECN	DATE	BY
3	ADD ICS ALMS		11/10/92	SF
2	GENERAL		09/11/92	SF
1	GENERAL		07/01/92	SF

SALES ENGR	PROJECT MGR	APPL. ENGR	DRAWN		APPROVED	
DB	SP	SF	BY SF	DATE 11/19/91	BY	DATE

DRAWING TITLE
Buildings 411/412, Linac-Inj.
Integrated Control System
Network Communication Layout
and Equipment Locations

PROJECT
The Argonne National Labs
Advanced Photon Source Campus
9700 Cass Avenue South
Argonne, IL 60439

JOHNSON CONTROLS
Systems & Services Division

3007 MALMO ROAD
ARLINGTON HEIGHTS
ILLINOIS 60005
708/364-1500 Main
708/806-4438 Eng

CONTRACT NUMBER 91390-0009

DRAWING NUMBER 91-9-B-10A

COPYRIGHT JOHNSON CONTROLS, INC 1991