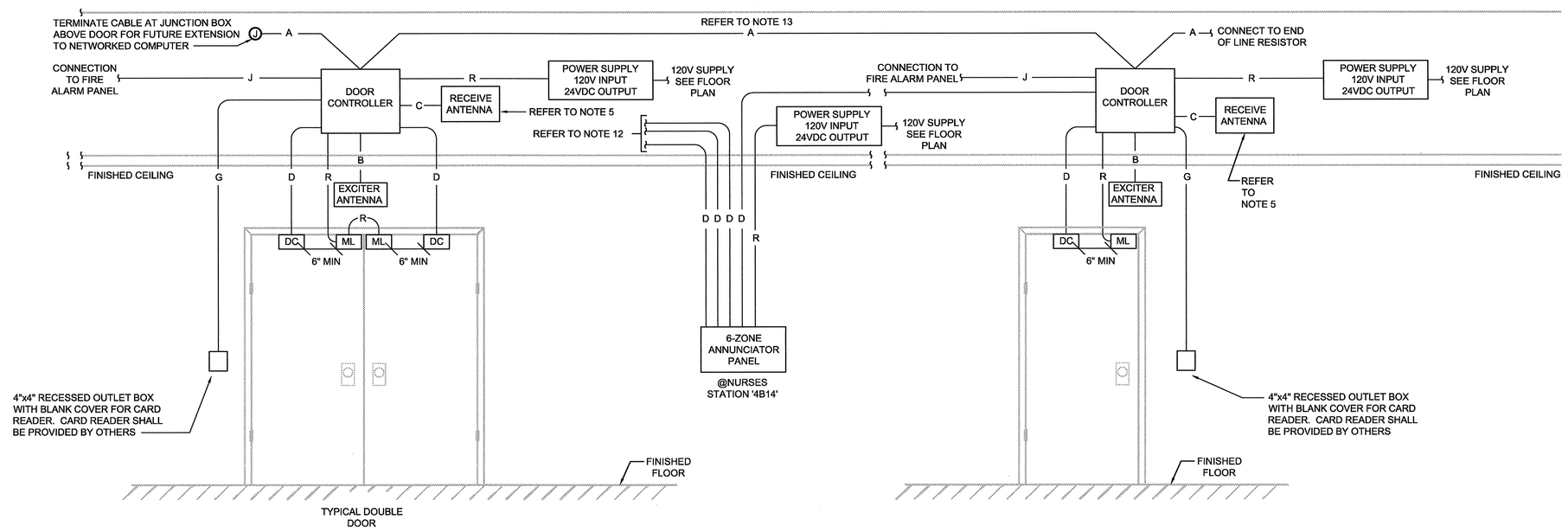

NOTES:

1. ALL CONDUITS SHALL BE 3/4"C UNLESS NOTED OTHERWISE AND PROVIDED WITH A DRAG LINE.
2. EC IS RESPONSIBLE FOR ALL EQUIPMENT SHOWN AND ALL REQUIRED OUTLET BOXES, CONDUITS, CABLING, PROGRAMMING, TESTING, ETC. TO ENSURE SYSTEM IS IN FIRST CLASS WORKING ORDER
3. EC SHALL INSTALL JUNCTION BOXES, CONDUIT AND DUSTBOXES FOR THE EQUIPMENT SHOWN. JUNCTION BOXES AND DUST BOXES SHALL BE INSTALLED WITH COVERS.
4. PROVIDE 6" MIN. SEPARATION BETWEEN MAGNETIC LOCK AND MAGNETIC DOOR CONTACT.
5. FIELD LOCATE TO OPTIMIZE RECEIVER RANGE. LOCATE BELOW BULKHEADS, DUCTWORK, FOIL-BACKED CEILING TILES AND METAL PANELS. USE RG-58 (50 OHM) COAXIAL CABLE AS AN EXTENSION TO ANTENNA. THE CONTRACTOR SHALL NOT USE RG-59 (75 OHM) COAXIAL CABLE FOR CONNECTION OF THE RECEIVE ANTENNA.
6. MOUNT EXCITER ANTENNA ABOVE CEILING, SECURE TO T-BAR ASSEMBLY.
7. PROVIDE NETWORK (CAT 6 CABLE) AND POWER CABLES TO EACH DOOR CONTROLLER LOCATION PRIOR TO INSTALLATION. PROVIDE 10 FEET OF CABLE SLACK AT EACH LOCATION. ADJUST CONTROLLER LOCATION TO OPTIMIZE RECEIVE ANTENNA RECEPTION. NETWORK CONNECTION SHALL ORIGINATE AT PATCH PANELS PROVIDED ON FLOOR.
8. THE EXCITER FIELD SHALL NOT EXTEND INTO AREAS THAT ARE REGULARLY OCCUPIED BY TAGS.
9. TAGS SHALL DETECT THE EXCITER FIELD AT LEAST SIX (6) FEET FROM THE DOOR TO ALLOW SUFFICIENT TIME FOR A MAGLOCK TO ENERGIZE.
10. POSITION THE EXCITER ANTENNA AT THE LOCATION WHERE THE FIELD SHALL FILL THE AREA IN FRONT OF THE DOOR ALL THE WAY TO THE FLOOR SO THAT NO TAG CAN REACH THE DOOR UNDETECTED.
11. TERMINATE COAXIAL CABLE WITH A BNC TYPE CONNECTOR.
12. TO OTHER DOOR CONTROLLERS FOR DOOR ALARMS, REFER TO FLOOR PLANS FOR ALL SECURE DOOR LOCATIONS.
13. PROVIDE COMMUNICATIONS CABLING FROM ONE OF THE TWO MANUFACTURERS AND MODEL NUMBERS LISTED, NO EQUALS. THE RS-485 COMMUNICATION LINE SHALL BE PROVIDED AS BALANCED CABLING AND CONNECTIONS. THE CABLING SHALL BE 15 PICO FARADS PER FOOT MAXIMUM.
14. PROVIDE 24VDC POWER SUPPLIES WITH TWO (2) 12 VDC / 7AH FOR BATTERY BACKUP.
15. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO ADHERE TO THE REQUIREMENTS OF SPECIFICATION SECTION 26 05 11, ARTICLE 1.12 "SUBMITTAL" FOR ALL EQUIPMENT DETAILED IN THE PATIENT WANDERING DIAGRAM.
16. THE DIAGRAM SHOWS HOW DOORS ARE TYPICALLY WIRED, SEE FLOOR PLANS FOR ALL SECURE DOOR LOCATIONS AND GENERAL EQUIPMENT LOCATIONS. SYSTEM SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATION.
17. CONFIRM WITH VA ON THE EXACT STYLE AND QUANTITY OF PATIENT WANDERING TAGS TO BE PROVIDED.
18. PROVIDE ALL NECESSARY SOFTWARE, ALL REQUIRED PROGRAMING, AND ALL REQUIRED USER TRAINING IN ASSOCIATION WITH PATIENT WANDERING SYSTEM.
19. COORDINATE ELEVATION FOR CARD READERS AND ANNUCIATOR WITH ARCHITECT BEFORE PERFORMING ROUGH-INS. CARD READERS SHALL BE PROVIDED AT THE ENTRY SIDE OF THE DOORS INTO THE SUITE.

MATERIALS:	BASIS OF DESIGN MAKE:	BASIS OF DESIGN MODEL:	BASIS OF DESIGN PART#:
DOOR CONTACT	XMARK	ROAM ALERT	SEE SR3ID03E
MAGNETIC LOCKS	LOCKNETICS	390DEL MAGFORCE	LK390DEL 628
DOOR CONTROLLER	XMARK	ROAM ALERT	SR3ID03E
EXCITER ANTENNA	XMARK	ROAM ALERT	AR2SE01-LPK
RECEIVE ANTENNA	XMARK	ROAM ALERT	AR2RA01-L00
POWER SUPPLY	ALTRONIX	RED, UL 1481 LISTED	AL1024ULMR
ANNUNCIATOR PANEL	XMARK	ROAM ALERT	ARGEAN01-060

CABLE LEGEND

TYPE	DESCRIPTION	DEVICE	PLENUM	UL TYPE	MANUFACTURER
A	2 PAIR, PLUS GROUND, 22AWG SHIELDED TWISTED (15 PICO FARADS PER FOOT MAX)	RS485 COMMUNICATION	82842	CMP	BELDEN
			D254852		WEST PENN WIRE
B	(1) RG59/U, COAXIAL 75 OHM	EXCITER ANTENNA	25843	CMP	WEST PENN WIRE
C	(1) RG58, COAXIAL 50 OHM	RECIEVE ANTENNA	25812	CMP	WEST PENN WIRE
D	22AWG-2C SHIELDED	INPUTS	6500 FE	CMP	BELDEN NEW GENERATION
G	22AWG-6C-O/A SHIELDED	READER TO DOOR CONTROLLER	6504 FE	CMP	BELDEN NEW GENERATION
J	18AWG-4C SHIELDED	FIRE ALARM PANEL	6302 FE	CMP	BELDEN NEW GENERATION
R	16AWG-1PAIR	LOCKS LA PWR/DC PWR	6200 UE	CMP	BELDEN NEW GENERATION

CABLE NOTES
1. ALL CABLE SHALL BE STRANDED COPPER UNLESS SPECIFIED OTHERWISE.
2. PROVIDE CABLE FROM SPECIFIED MANUFACTURER OR EQUIVALENT.
3. IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO WIRE AS PER SYSTEM PLANS. RISERS AND DETAIL DWGS.
4. IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO COMPLY WITH ALL LOCAL APPLICABLE CODE REGULATIONS.

Project North True North

100% CONSTRUCTION DOCUMENT SUBMISSION

Revisions: | Date

CONSULTANTS:

H.F. LENZ COMPANY
1407 Scalp Avenue Johnstown, PA 15904
Phone: 814-269-9300 FAX: 814-269-9301
cadd@hflenz.com www.hflenz.com
Engineers • Planners • Surveyors • Energy Consultants

TIMOTHY M. EARTHMAN REGISTERED 14738 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:

IKM
architecture
planning
interior design
IKM Incorporated
One PPG Place
Pittsburgh, PA 15222
412-281-1337
www.ikminc.com

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