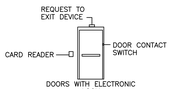
SCALE: NONE **NOT USED** | 1

DOOR CONTROL SCHEDULE

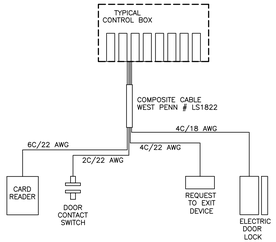
DOOR LOCATION	DOOR TYPE	CONTROLLER NUMBER	POWER CIRCUIT	DOOR OPERATION
DOOR SEPARATING CORR 204 & CORR 202	1	1–1A		NORMALLY LOCKED, UNLOCKED UPON FIRE ALARM CONDITION
OFFICE 203	2	1–1B		NORMALLY LOCED
IDF 249	2	1–2A		NORMALLY LOCKED
MOTHER'S ROOM 250	2	1–2B		NORMALLY LOCKED
WELLNESS 251	2	1–3A		NORMALLY LOCKED
PRODUCTION 207	2	1–3B		NORMALLY LOCKED
STORAFE 204A	2	1–4A		NORMALLY LOCKED
SHOWER 205	2	1–4B		NORMALLY LOCKED
SHOWER 206	2	1–5A		NORMALLY LOCKED
BIKE STORAGE 209	2	1–5B		NORMALLY LOCKED
STORAGE 210	2	2–1A		NORMALLY LOCKED
TRAINING 208	2	2–2B		NORMALLY LOCKED
DOOR SEPARATING ELEVATOR LOBBY 201 & CORR 202	1	2–2A		NORMALLY LOCKED, UNLOCKED UPON FIRE ALARM CONDITION
CONFERENCE 248	2	2–2B		NORMALLY LOCKED
DOOR SEPARATING CORR 247 & CORR 242	1	2–3A		NORMALLY LOCKED, UNLOCKED UPON FIRE ALARM CONDITION

SCALE: NONE **DOOR CONTROL SCHEDULE** | 2

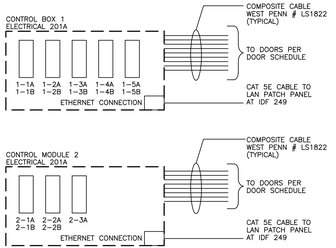


TYPICAL TYPE 1 DOOR
AT LOCATIONS WITH MULTIPLE DOORS
ALL DOOR LEAFS SHALL BE EQUIPPED
WITH DOOR CONTACT SWITCHES

SCALE: NONE **TYPICAL DOOR CONTROL REQUIREMENTS** | 3

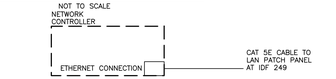


SCALE: NONE **TYPICAL DOOR CONTROL WIRING DIAGRAM** | 4

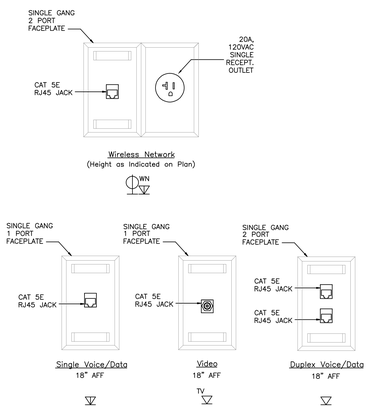


DOOR ACCESS CONTROL DIAGRAM

NOT TO SCALE



SCALE: NONE **DOOR ACCESS CONTROL DIAGRAM** | 5



SCALE: NONE **TELECOMMUNICATIONS SYSTEM FACEPLATE DETAILS** | 6

FO — FIBER OPTIC – FO MM 12 STRAND 4" CONDUIT

D — DATA BACKBONE – (12) CAT5E 4 PAIR UTP 4" CONDUIT

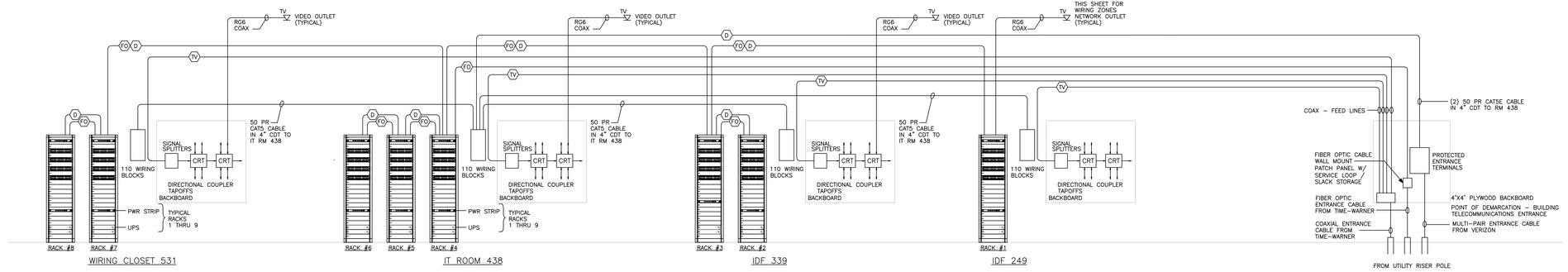
TV — (4) RG11 COAXIAL CABLE

TELECOMMUNICATIONS RISER DIAGRAM NOTES:

1. CONTRACTOR SHALL PROVIDE A COMPLETE CAT5E DATA NETWORKING AND TELEPHONE INFRASTRUCTURE. THIS SHALL INCLUDE JACKS, UTP CABLES, EIA/TIA 19" RACKS, AND CAT5E PATCH PANELS, POWER STRIPS, AND MISC. HARDWARE.
2. PROVIDE PATCH PANELS AND TERMINATIONS FOR ALL CABLES AND NETWORK OUTLET JACKS. PROVIDE FOUR 48 PORT PATCH PANELS PER RACK.
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.

TELECOMMUNICATIONS RISER DIAGRAM NOTES CONTINUED:

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 IN EACH TELECOMMUNICATIONS ROOM ON THE PROJECT (PER THE NATIONAL ELECTRICAL CODE)
9. CONTRACTOR SHALL CONFIRM ROUTING OF ALL DATA NETWORK CIRCUITS SUCH THAT THEY DO NOT EXCEED LENGTH OF 300' MAX PER CAT5E DROP.
10. PROVIDE DIRECTIONAL COUPLER TAPOFFS AS REQUIRED FOR PROPER SIGNAL DISTRIBUTION OF COAX HOMERUNS AT BACKBOARDS.
11. SEGREGATE PATCH PANELS IN EQUIPMENT RACKS SO THAT NETWORK WIRING DROPS CONNECTED TO THE TOP OUTLET JACK OF DUPLEX NETWORK OUTLETS ARE WIRED TO SEPARATE PATCH PANELS FROM WIRING DROPS CONNECTED TO THE BOTTOM OUTLET JACK OF DUPLEX NETOWRK OUTLETS.



SCALE: NONE **TELECOMMUNICATIONS SYSTEM RISER DIAGRAM** | 7

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

Blais Civil Engineers, PA
780 Broadway
South Portland, ME 04106
T. 207.767.7300
sblaise@blaisecs.com

Bartlett Design
942 Washington Street
Bath, ME 04530
T. 207.443.5447 F. 207.443.5560
bartdes@blazenetme.net

Mechanical Systems Engineers
Royal River Center, Unit #10
10 Forest Falls Drive, Yarmouth, ME 04096
T. 207.846.1441 F.207.846.1443

Carroll Associates Landscape Architects
217 Commercial Street, Suite 200
Portland, ME 04101
T. 207.772.1552 F. 207.0712

Becker Structural Engineers, Inc.
75 York Street
Portland, ME 04101
T. 207.879.1838 F. 207.879.1822
www.beckerstructural.com

Winton Scott Architects, PA
5 Milk Street
Portland, ME 04101
T.207.774.4811
www.wintonscott.com

REV #	DATE	DESCRIPTION

Renovations To:

CUMBERLAND COLD STORAGE BUILDING

Merrill's Wharf, Portland, Maine

Permit Set
Not For Construction

TELECOM RISER & DOOR ACCESS CONTROL DIAGRAMS

E3.3

09. 23. 2010