

IF THIS SHEET IS NOT 30" x 42"
FULL SIZE, USE GRAPHIC SCALES

one inch = one foot

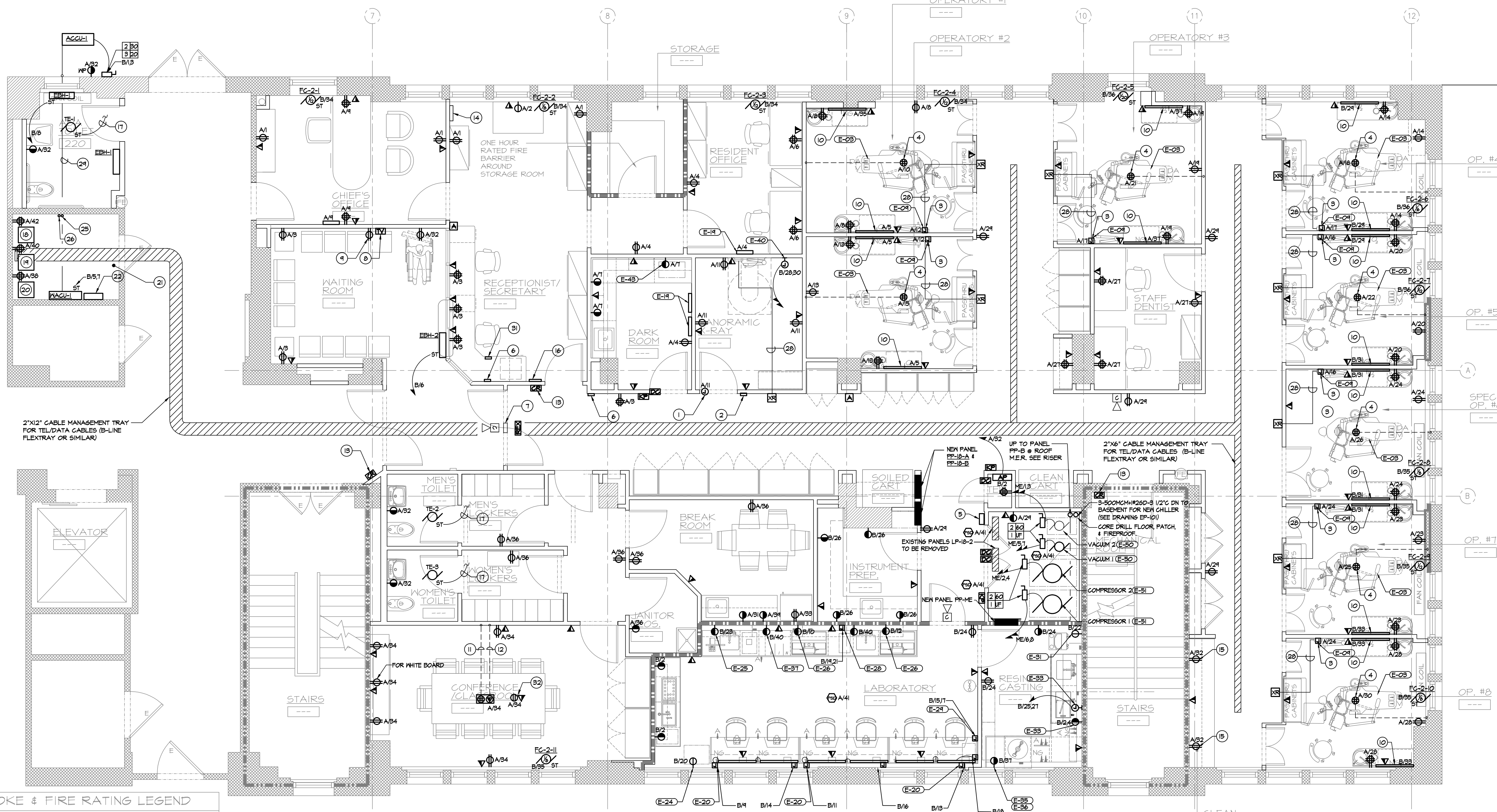
three-quarter inch = one foot

one-half inch = one foot

three-eighths inch = one foot

one-quarter inch = one foot

one-eighth inch = one foot



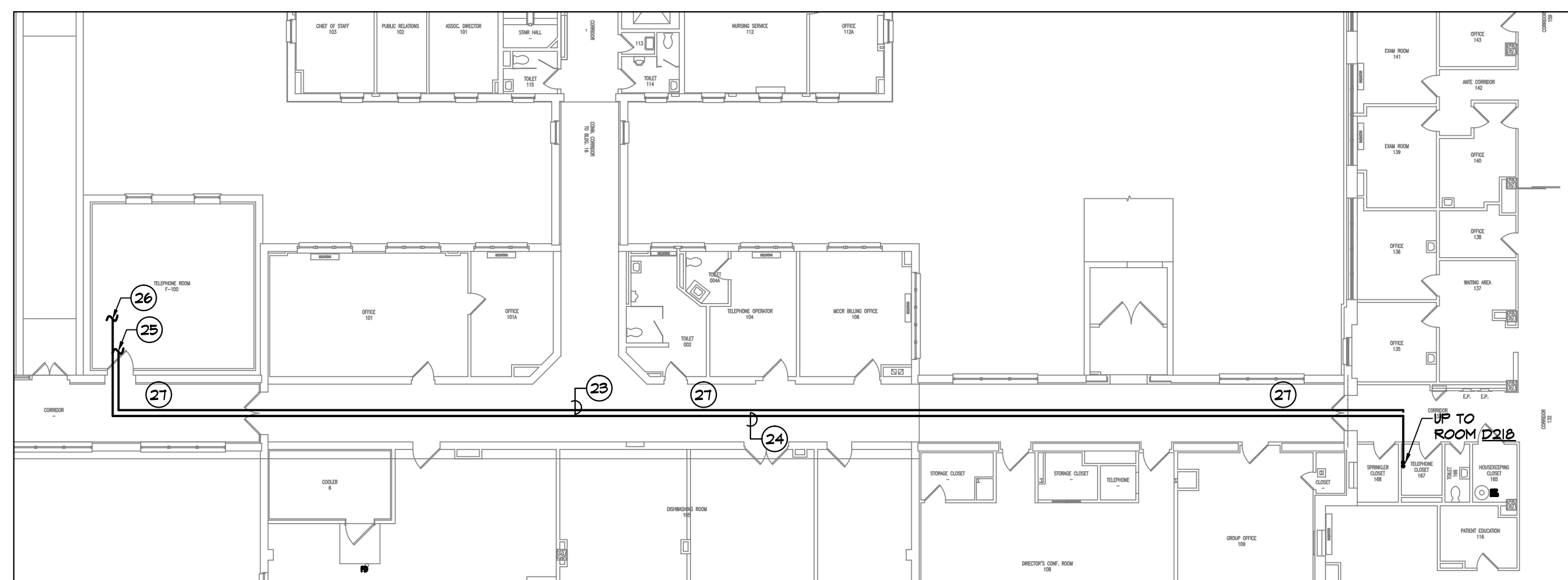
- KEYED NOTES - EP-100**
- JUNCTION BOX FOR CONNECTION TO AUTOMATIC DOOR OPENER
 - PUSH BUTTON FOR AUTOMATIC DOOR OPENER FURNISHED BY CONTRACTOR INSTALLED AND WIRED UNDER THIS CONTRACT.
 - JUNCTION BOX FAN POWER TO X-RAY UNIT.
 - QUAD RECEPTACLE MOUNTED MAXIMUM 5' A.F.F. SEE DETAIL ON THIS DWG. RUN CONDUIT IN CEILING OF FLOOR BELOW.
 - REMOTE CONTROLS FOR COMPRESSORS AND VACUUM PUMPS. ELECTRICAL CONTRACTOR SHALL WIRE FROM REMOTE CONTROLS TO COMPRESSORS & VACUUM PUMPS AS PER MFR. WIRING DIAGRAMS.
 - PUSHBUTTON FOR MAGNETIC LOCK RELEASE
 - MAGNETIC DOOR LOCK
 - T.V. OUTLET WITH COAXIAL CABLE. CONNECT TO BUILDING CABLE TELEVISION SYSTEM
 - DUPLEX RECEPTACLE 20A-125V MOUNTED NEXT TO T.V. OUTLET - REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT
 - MULTI-OUTLET STRIP 3'-0" WITH SIMPLEX OUTLETS EVERY 6" ON CENTER
 - 3/4" WITH 2M2H#2SD-3 RUN IN HANG CEILING OF FLOOR BELOW
 - 3/4" EMPTY CONDUIT WITH DRAG LINE RUN IN HANG CEILING OF FLOOR BELOW
 - CARD READER CONNECTED TO VAMC SECURITY SYSTEM. COORDINATE ALL WIRING WITH VAMC
 - MAGNETIC DOOR LOCK CONTROL PANEL (LOCKETICS)
 - MOUNT DUPLEX RECEPTACLE IN CABINET
 - MEDICAL GAS CONTROL PANEL (B.O.) WIRED BY GENERAL CONTRACTOR
 - CONNECT EXHAUST FAN TO LIGHTING IN ROOM WITH 2M2H#2SD-3. FAN TO BE CONTROLLED BY OCCUPANCY SENSOR.
 - NETWORK RACK FOR DATAH CABLES. PROVIDE (4) 24 PORT CAT 6 SWITCHES, (4) 24 CAT 6 PORT PATCH PANELS & (1) 1500 RACK MOUNTABLE UPS.
 - NETWORK RACK FOR DATA2 CABLES. PROVIDE (4) 24 PORT CAT 6 SWITCHES, (4) 24 CAT 6 PORT PATCH PANELS & (1) 1500 RACK MOUNTABLE UPS.
 - NETWORK RACK FOR TELEPHONE CABLES. PROVIDE (4) 24 PORT CAT 6 SWITCHES, (4) 24 CAT 6 PORT PATCH PANELS & (1) 1500 RACK MOUNTABLE UPS.
 - LOCATION OF TERMINATION POINT OF ALL TEL/DATA & SURVEILLANCE CABLES FOR DATA CLING
 - NEW CAMERA POWER SUPPLY SYSTEM (SEE WIRING DIAGRAM). COORDINATE WITH VAMC RESIDENT ENGINEER
 - RUN (2) 50 PAIR 24AWG TELCO CABLE IN 2" CONDUIT FROM TEL/DATA ROOM D218 DOWN TO ROOM F-100 +210'-0"
 - RUN 4 SINGLE MODE FIBER AND 12 MULTI-MODE FIBERS IN 2" CONDUIT FROM TEL/DATA ROOM D218 DOWN TO ROOM F-100 +210'-0"
 - TERMINATE (2) 50 PAIR TELCO CABLE IN PATCH PANEL. LOCATION TO BE COORDINATED WITH VA RESIDENT ENGINEER
 - TERMINATE 4 SINGLE MODE FIBER AND 12 MULTI-MODE FIBERS IN PATCH PANEL. LOCATION TO BE COORDINATED WITH VA RESIDENT ENGINEER
 - ELECTRICAL CONTRACTOR SHALL DISCONNECT, REMOVE & REINSTALL EXISTING LIGHT FIXTURES IN CORRIDOR AS REQUIRED TO INSTALL CONDUIT AND TEL/DATA CABLES
 - PROVIDE 3/4" WITH DRAG LINE FOR SHIELDED CABLE FOR X-RAY UNIT TO REMOTE CONTROL
 - EMPTY 3/4" WITH DRAG LINE FROM AGCUH TO MAGH FOR CONTROL WIRING BY OTHERS
 - ALARM PANG BUTTON (SEE WIRING DIAGRAM)
 - CEILING MOUNTED RECEPTACLE AND DATA OUTLET FOR VAMC FURNISHED PROJECTOR

DESIGNATION	EQUIPMENT	VOLTAGE	PHASE	
(E-09)	DENTAL CHAIR	120V	1	(2) 6-20R RECEPT.
(E-09)	X-RAY	120V	1	JUNCTION BOX
(E-20)	POWER STRIP	120V	1	JUNCTION BOX
(E-24)	DENTAL AIR CLEANER	120V	1	
(E-25)	MODEL TRIMMER	120V	1	
(E-26)	POLISH W/ SUCTION	120V	1	JUNCTION BOX
(E-21)	STEAM CLEANER	208V	1	
(E-28)	PORCELAIN OVEN	208V	1	
(E-31)	BLASTER	120V	1	
(E-33)	LIGHT CURING UNIT	208V	1	
(E-34)	EXHAUST HOOD / WASH OUT CANOPY	120V	1	
(E-35)	ACRYLIC MONOMER PROCESSOR	120V	1	
(E-36)	HOOD - ACRYLIC MONOMER	120V	1	
(E-40)	PANORAMIC X-RAY	120V	1	
(E-42)	X-RAY FILM PROCESSOR	120V	1	
(E-43)	X-RAY FILM ILLUMINATOR	120V	1	
(E-45)	DENTAL VACUUM	208V	1	DISCONNECT SW
(E-51)	DENTAL COMPRESSOR	208V	1	DISCONNECT SW

ELECTRICAL SECOND FLOOR POWER & COMMUNICATIONS PLAN

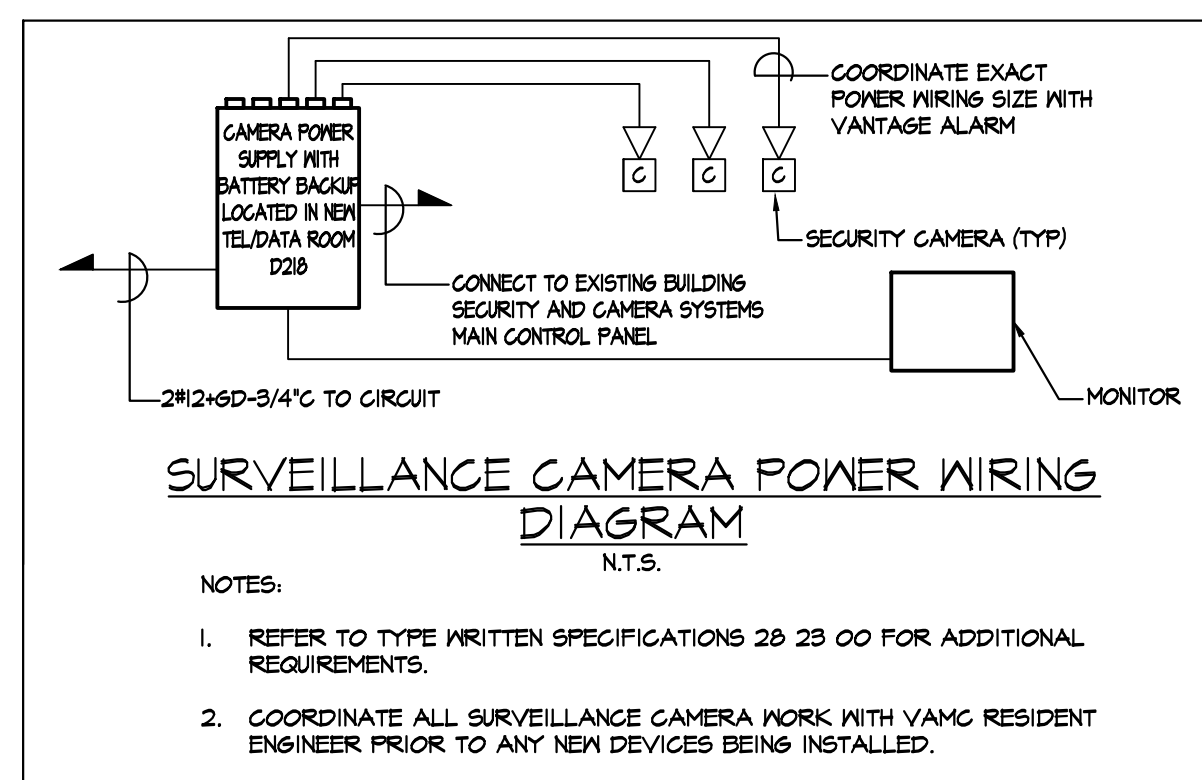
Scale : 1/4" = 1'-0"

SMOKE & FIRE RATING LEGEND
EXISTING SMOKE RATED BARRIER (30 MIN RATING)
NEW FIRE RATED BARRIER (1 HR RATING)
EXISTING FIRE RATED BARRIER (2 HR RATING)

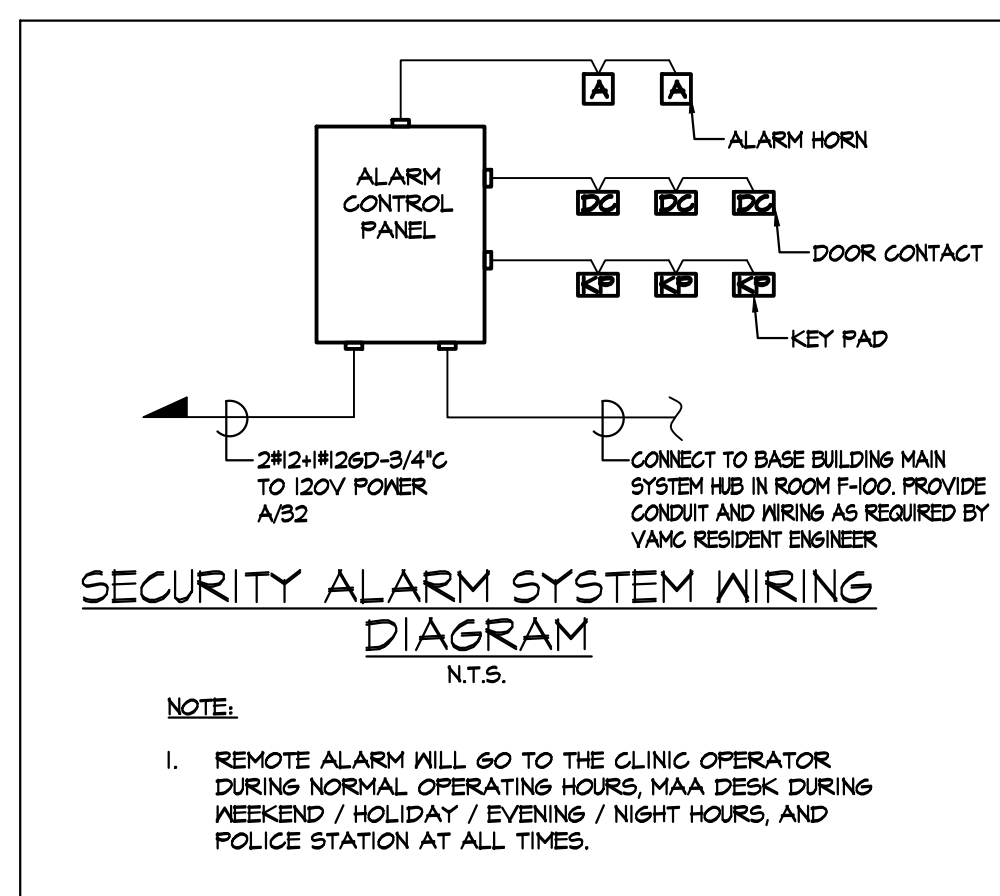


1ST FLOOR BUILDING 17 & 18 POWER & COMMUNICATIONS PLAN

Scale : 1/16" = 1'-0"

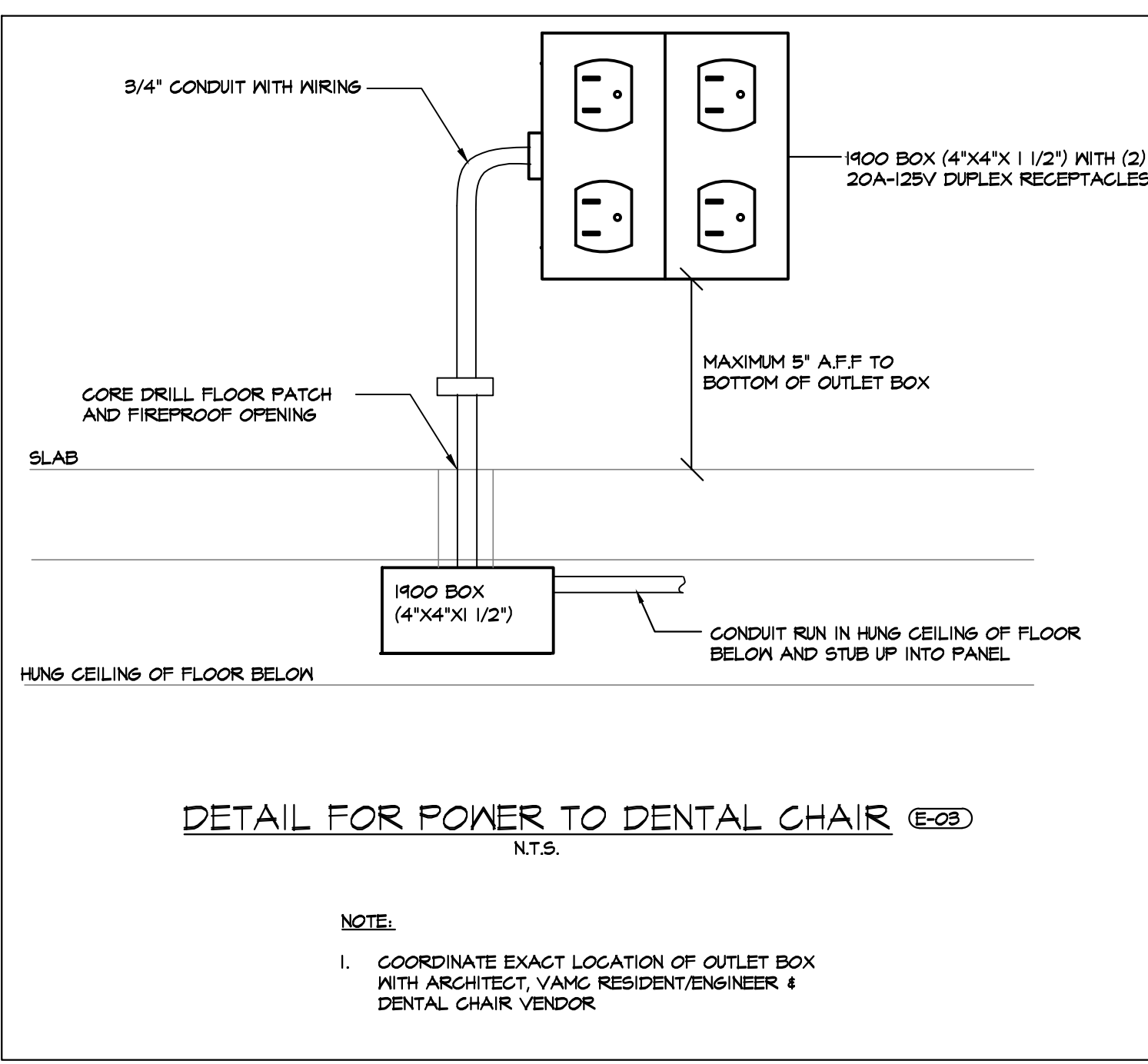


- NOTES:**
- REFER TO TYPE WRITTEN SPECIFICATIONS 28 23 00 FOR ADDITIONAL REQUIREMENTS.
 - COORDINATE ALL SURVEILLANCE CAMERA WORK WITH VAMC RESIDENT ENGINEER PRIOR TO ANY NEW DEVICES BEING INSTALLED.



NOTES - COMMUNICATION

- RUN ALL CABLES BACK TO ROOM D218
- PROVIDE AND INSTALL ALL NECESSARY RACKS AND SWITCHES
- TIE ALL EQUIPMENT IN D218 TO A PATCH PANEL. RUN (4) SINGLE STRAND OF FIBER CABLE & (12) MULTI STRANDS OF FIBER CABLE BACK TO ROOM F100. INSTALL PATCH PANEL IN ROOM F100 AT A LOCATION TO BE COORDINATE WITH VAMC RESIDENT ENGINEER
- PROVIDE 100 PAIR TELCO CABLE FROM ROOM D218 TO F100
- ALL COMMUNICATION CABLES SHALL BE CAT 6.
- EACH TEL/DATA OUTLET SHALL HAVE (3) CAT 6 CABLES BACK TO ROOM D218. THE CABLES & PORTS SHALL BE COLOR CODED: DATA IN - WHITE, DATA OUT - BLUE, & TELEPHONE - GRAY.



- NOTE:**
- COORDINATE EXACT LOCATION OF OUTLET BOX WITH ARCHITECT, VAMC RESIDENT/ENGINEER & DENTAL CHAIR VENDOR

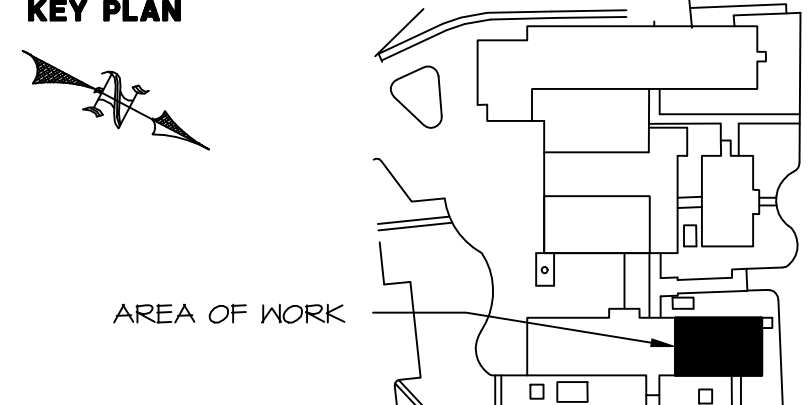
EMTG
Consulting Engineers
TEL: 212-268-6465 FAX: 212-268-6467
115 WEST 30TH STREET, SUITE 202, NEW YORK, NY 10001



Revisions
VA FORM 08-6231, DEC 1989

KIR
KENNETH IRVING, ARCHITECT P.C.
42 MEMORIAL PLAZA, SUITE 301, PLEASANTVILLE, NY 10570
PHONE: (914) 747-0002 E-MAIL: kmandrade@kirarch.com FAX: (914) 747-9211

NOTE AND READ CAREFULLY:
The Contractor shall consult and study the requirements of each and every drawing and each specification section of this contract so that he/she may become acquainted with the project as a whole in order to determine how the work of his/her subcontractor or vendor may affect the work required under this contract.
Written Specifications are part of this contract



Drawing Title
ELECTRICAL 2ND FLOOR POWER AND COMMUNICATIONS PLAN
Approved: Division Chief
Approved: Service Director

Project Title
Renovation to Dental Clinic Building 18 Healthcare System Castle Point, New York
Building Number 18
Checked SL
Drawn WS/DH
Location Castle Point, New York

Date 4/23/2012
Project No. 620-A409-110
DRAWING NO. EP100
Dwg. 490f 52

Office of Facilities
DEBORAH T. DE WEEVER 5 RESERIES