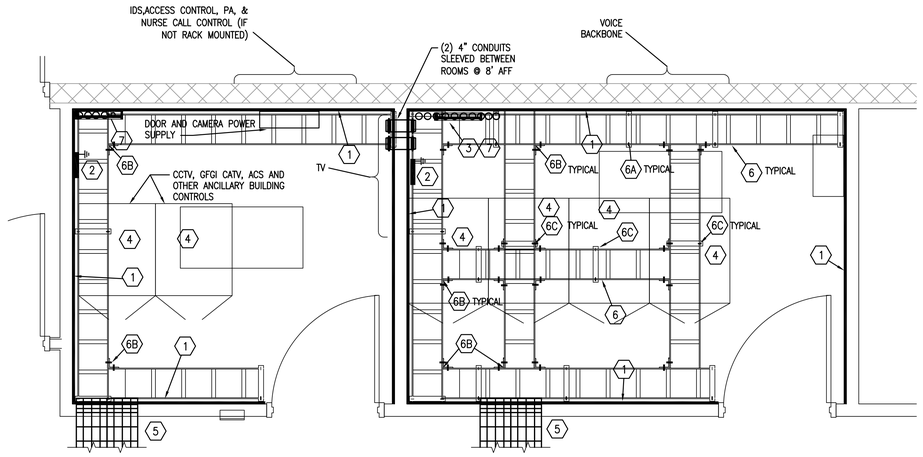
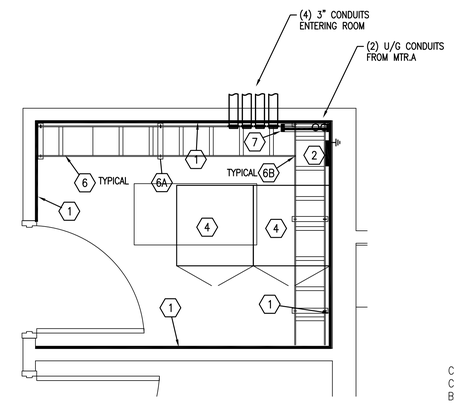


1 ENLARGED ELECTRICAL SYSTEMS ROOM

TN201

SCALE: 1/2"=1'-0"



2 ENLARGED TELECOMMUNICATIONS MAIN TELECOMMUNICATIONS ROOM (MTR.A)

TN201

SCALE: 1/2"=1'-0"

3 ENLARGED TELECOMMUNICATIONS TELECOMMUNICATIONS ROOM (TR.B)

TN201

SCALE: 1/2"=1'-0"

GROUNDING NOTE

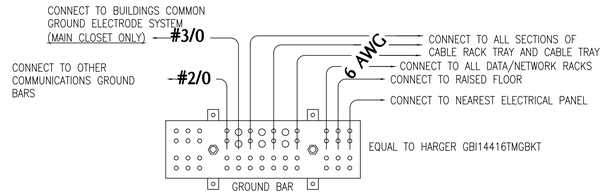
1) ALL GROUND CONNECTIONS SHALL BE MADE WITH HEAVY DUTY 2 HOLE COMPRESSION LUGS WITH STAINLESS STEEL HEX HEAD CAP SCREWS WITH SS LOCKING NUTS (TWO SCREWS AND NUTS PER 2 HOLE LUG).

2) PROVIDE GROUNDING BUSBARS IN ALL COMMUNICATION CLOSETS. GROUND MAIN BUSBAR TO BUILDING MAIN ELECTRICAL SERVICE GROUND WITH #3/0 AWG INSULATED (GREEN) SOLID COPPER GROUNDING CONDUCTOR AND #2/0 BETWEEN BUSBARS. RUN CONDUCTOR FROM BUSBAR LOCATION TO BUILDING SERVICE GROUND IN EMT CONDUIT. PROVIDE INSULATED GROUNDING BUSHING – MALLEABLE IRON, STEEL CITY #BG-807 AT CONDUIT ENDS AND GROUND PER NEC. GROUNDING TO BUILDING STRUCTURE, CONDUITS, UTILITY PIPING, OR ELECTRICAL SUBPANELS IN LIEU OF BONDING TO BUILDING MAIN ELECTRICAL SERVICE GROUND IS NOT ACCEPTABLE.

3) GROUND ALL COMMUNICATION RACKS WITH #6 AWG INSULATED (GREEN) SOLID COPPER GROUNDING CONDUCTOR TO MAIN GROUNDING BUSBAR. GROUND RACKS INDIVIDUALLY TO BUSBAR (DO NOT LOOP GROUNDS). ROUTE CONDUCTOR ALONG RACK REAR AND IN CABLE RUNWAY TO GROUNDING BUSBAR.

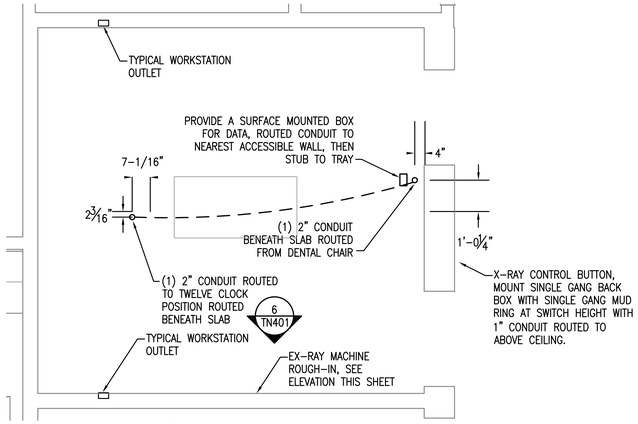
4) GROUND EACH CONDUIT AND CONDUIT SUPPORTS STRUTS IN ALL COMMUNICATIONS ROOMS WITH #6 AWG INSULATED (GREEN) SOLID COPPER GROUNDING CONDUCTOR TO GROUNDING BUSBAR. ROUTE CONDUCTOR IN CABLE RUNWAY TO GROUNDING BUSBAR.

5) GROUND CABLE RUNWAY WITH #6 AWG INSULATED (GREEN) SOLID COPPER GROUNDING CONDUCTOR TO GROUNDING BUSBAR. ROUTE CONDUCTOR IN CABLE RUNWAY TO GROUNDING BUSBAR.



4 MAIN TELECOMMUNICATIONS ROOM GROUNDING BUSBAR DETAIL

NOT TO SCALE

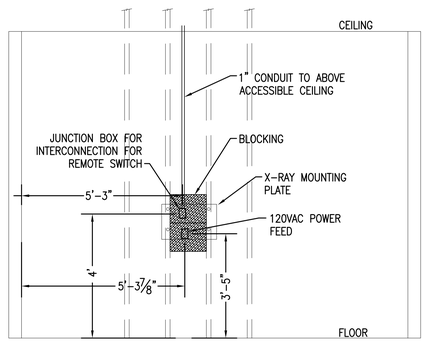


TYPICAL FOR ALL HYGIENE TREATMENT AND GENERAL TREATMENT OPERATIONS ROOM. REFER TO ADEC MODEL 531 CHAIR AND 5580 WORKSTATION FOR DETAILS.

5 ENLARGED TYPICAL DENTAL HYGIENE AND DENTAL OPERATIONS ROOM

TN201

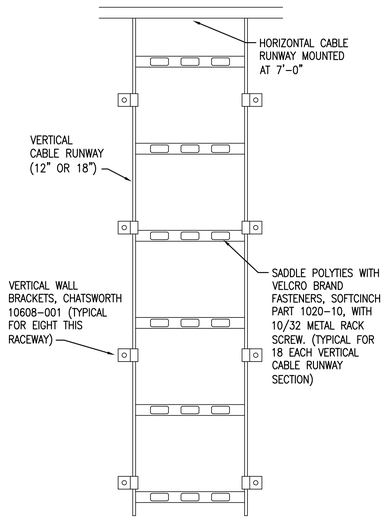
SCALE: 1/2"=1'-0"



6 DENTAL X-RAY ROUGH-IN ELEVATION

TN201

NOT TO SCALE



7 TYPICAL VERTICAL RUNWAY DETAIL

TN201

NOT TO SCALE

ENLARGED FLOOR PLAN KEY NOTES

1. PLYWOOD BACKBOARD, 8'-0" HIGH X FULL LENGTH OF WALL, MOUNT WITH BOTTOM AT 6" ABOVE FINISH FLOOR. ROUGH ALL ELECTRICAL OUTLETS IN BACKBOARD FOR FLUSH MOUNT INSTALLATION OF FACEPLATES. BACKBOARDS SHALL BE 3/4" THICK AC EXTERIOR GRADE PLYWOOD. COUNTERSINK ALL SCREWS. PRIME WITH TWO COATS PRIMER, SANDING SMOOTH AFTER EACH COAT. FINISH WITH TWO COATS SEMI-GLOSS ENAMEL FIRE-RETARDENT PAINT, COLOR BATTLESHIP GREY. FINAL SURFACE SHALL BE UNIFORMLY SMOOTH AND EVEN. TOUCH UP AT END OF PROJECT. COORDINATE WORK WITH ELECTRICAL CONTRACTOR TO ENSURE THAT POWER RECEPTACLES ARE PROPERLY LOCATED AND WITH FACEPLATES FLUSH ON FACE OF BACKBOARD.
2. GROUNDING BUSBAR, WITH TWO ROWS OF 7/16"ø HOLES AT 1" SPACING EACH WAY. MAKE ALL CONNECTIONS WITH TWO HOLE LONG BARREL COMPRESSION LUGS AND BOND TO BUSBAR WITH TWO 3/8"ø SS HEX HEAD CAP SCREWS WITH SS LOCKING NUTS. SEE "GROUNDING NOTE" AND "VOICE SYSTEM SINGLE LINE DIAGRAM". ROUTE 3/4" EMT CONDUIT TO BUILDING MAIN ELECTRICAL PANEL FOR GROUNDING CONDUCTOR WITH INSULATED GROUNDING BUSHING.
3. COMMUNICATIONS BACKBONE CONDUIT. SEE COMMUNICATIONS SITE/FLOOR PLANS.
4. FLOOR MOUNT EQUIPMENT CABINETS. REFER TO RACK ELEVATION DETAILS.
4A. WALL MOUNTED LOCKING EQUIPMENT ENCLOSURE, REFER TO RACK ELEVATIONS.
5. 24" CABLE TRAY ENTERING ROOM AND TURNING DOWN WALL TO CABLE RUNWAY. CUT CEILING TILES AROUND CABLE TRAY ENTRANCE.
6. (2) 18" WIDE CABLE RUNWAY STACKED ON ONE ANOTHER WITH 12" CLEARANCE BETWEEN THE TWO, CHATSWORTH 10250-718 OR EQUAL, COLOR BLACK. PROVIDE BUTT-SPLICE KIT TO BUTT-SPLICE SECTIONS OF CABLE RUNWAY (PAINT BEFORE INSTALLING AND TOUCH UP AFTER INSTALLATION). INSTALL ALL CABLE RUNWAY, FITTINGS, AND ACCESSORIES IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS.
6A. 18" CABLE RUNWAY WALL ANGLE SUPPORT KIT, CHATSWORTH 11421-718 OR EQUAL, COLOR BLACK.
6B. CABLE RUNWAY JUNCTION SPLICE KIT, CHATSWORTH 16298-001 OR EQUAL.
6C. CEILING SUPPORT BRACKET, CHATSWORTH 11310-003 OR EQUAL, COLOR BLACK.
7. 18" WIDE CABLE RUNWAY, CHATSWORTH 10250-718 OR EQUAL, MOUNTED VERTICALLY FROM CONDUIT ENTRANCE IN FLOOR TO 7'-0". SEE "TYPICAL VERTICAL CABLE RUNWAY DETAIL".

FINAL SUBMISSION / FULLY SPRINKLERED

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Drawing Title: **ENLARGED TELECOMMUNICATIONS FLOOR PLAN**

Approved Project Director:

Project Title: CONSTRUCT VA OUTPATIENT CLINIC, PANAMA CITY

Location: PANAMA CITY, FLORIDA

Date: APRIL 2013 | Checked: TAN | Drawn: CEC

Project Number: 520-326

Building Number: -

Drawing Number: **TN401**

Dwg. 4 of 14

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231