

ELECTRICAL SYMBOLS

Table of electrical symbols including DASH SYMBOL, EXISTING OUTLET OR DEVICE TO REMAIN, ELECTRICAL CONNECTION, 20A-125V DUPLEX RECEPTACLE, SPECIAL PURPOSE RECEPTACLE, 20A-125V DOUBLE DUPLEX RECEPTACLE, 20A-125V DUPLEX RECEPTACLE WITH BOTTOM OUTLET, 20A-125V DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER, 20A-125V WEATHERPROOF DUPLEX RECEPTACLE, 20A-125V WEATHERPROOF DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER, 20A-125V DUPLEX RECEPTACLE ON EMERGENCY POWER, 20A-125V POWERLOCK GROUNDING TYPE RECEPTACLE, 20A-125V DUPLEX PEDESTAL TYPE FLOOR RECEPTACLE, 20A-125V DUPLEX PEDESTAL TYPE FLOOR RECEPTACLE WITH ROUND COVERPLATE, 20-125V DUPLEX RECEPTACLE WITH ISOLATED GROUND, 20A-125V/250V-1PH-4W SINGLE RECEPTACLE, 30A-125V/250V-1PH-4W SINGLE RECEPTACLE, 50A-125V/250V-1PH-4W SINGLE RECEPTACLE, 20A-250V-3PH-4W SINGLE RECEPTACLE, 30A-250V-3PH-4W SINGLE RECEPTACLE, 50A-250V-3PH-4W SINGLE RECEPTACLE, JUNCTION BOX, CLOAK HANGER OUTLET, SINGLE POLE SWITCH, TWO POLE WALL SWITCH, THREE-WAY WALL SWITCH, FOUR-WAY WALL SWITCH, SWITCH WITH NEON PILOT LIGHT, KEY OPERATED WALL SWITCH, LIGHTING DIMMER SWITCH, SWITCH WITH RECEPTACLE, FLUSH FRACTIONAL HORSEPOWER MOTOR STARTER WITH NEON PILOT LIGHT, HP RATED WALL SWITCH, ELECTRICAL PANEL OR SWITCHBOARD PER DRAWINGS, PULL BOX, DISCONNECT SWITCH, MOTOR STARTER, COMBINATION MOTOR STARTER AND DISCONNECT SWITCH, ELECTRIC MOTOR, UNIT HEATER, FAN COIL, AIR CONDITIONER, CONDENSING UNIT, UNIT VENTILATOR, CORD REEL, POWER POLE, LINE VOLTAGE THERMOSTAT, DUCT HEATER, ELECTRIC BASEBOARD HEATER, INTERCOM SYSTEM DESK MOUNTED MASTER CONTROL STATION, INTERCOM STAFF STATION, INTERCOM HORN TYPE SPEAKER, INTERCOM SPEAKER FLUSH MOUNT IN CEILING, PUSHBUTTON, BUZZER, 4" DIAMETER, PHOTOELECTRIC SENSOR, LIGHTING CONTACTOR, CEILING MOUNTED OCCUPANCY SENSOR, WALL MOUNTED OCCUPANCY SENSOR, CEILING MOUNTED DAYLIGHT SENSOR, OCCUPANCY SENSOR POWER PACK.

FIRE ALARM SYMBOLS

Table of fire alarm symbols including FIRE ALARM CONTROL PANEL, FIRE ALARM SPEAKER & SIGNAL LIGHT, FIRE ALARM BELL & SIGNAL LIGHT, FIRE ALARM CHIME & SIGNAL LIGHT, FIRE ALARM HORN & SIGNAL LIGHT, CEILING MOUNTED FIRE ALARM SPEAKER, FIRE ALARM MANUAL STATION, CEILING MOUNTED SMOKE DETECTOR, CEILING MOUNTED HEAT DETECTOR, DUCT MOUNTED SMOKE DETECTOR, DUCT MOUNTED HEAT DETECTOR, ELECTRIC RELEASE DOOR CLOSER, ELECTRO-MAGNETIC DOOR HOLDER, WATER FLOW SWITCH, VALVE SUPERVISORY SWITCH, DUCT MOUNTED DETECTOR REMOTE TEST STATION AND ALARM INDICATOR LIGHT, SMOKE DAMPER, FIRE FIGHTER'S TELEPHONE, PRESSURE SWITCH, ADDRESSABLE MODULE, POST INDICATOR VALVE, KNX BOX.

LUMINAIRE SYMBOLS

Table of luminaire symbols including LIGHTING FIXTURE, LIGHTING FIXTURE ON NIGHT LIGHT OR EMERGENCY CIRCUIT, EXIT LIGHTING FIXTURE.

NURSE CALL SYMBOLS

Table of nurse call symbols including NURSE CALL CONTROL PANEL, NURSE CALL DESK MOUNTED MASTER CONTROL STATION, NURSE CALL STAFF STATION, NURSE CALL DUTY STATION, NURSE CALL STATION WITH PULL CORD FOR PATIENT USE, PATIENT NURSE CALL UTILITY CONSOLE, PATIENT NURSE CALL STATION, CEILING MOUNTED NURSE CALL DOME LIGHT, WALL MOUNTED NURSE CALL DOME LIGHT, CEILING MOUNTED COMBINATION DOME LIGHT AND BUZZER, CEILING MOUNTED NURSE CALL ZONE LIGHT, NURSE CALL EMERGENCY BUTTON, EMERGENCY CODE BLUE BUTTON.

TECHNOLOGY SYMBOLS WITH ELECTRICAL REQUIREMENTS

Table of technology symbols including CONDUIT SLEEVE, BASE BID - WALL MOUNTED TRI-PLEX VOICE/DATA OUTLET, BASE BID - WALL MOUNTED PHONE OUTLET, TECHNOLOGY FLOOR BOX, BASE BID - ABOVE CEILING WAP OUTLET, BASE BID - 1-DATA OUTLET FOR OWNER FURNISHED RTLS PORTAL.

NOTE: ALL SYMBOLS AND ABBREVIATIONS ARE SUBJECT TO MODIFICATIONS ON OTHER DRAWINGS. ALL SYMBOLS OR ABBREVIATIONS MIGHT NOT NECESSARILY BE USED ON THIS PROJECT.

ABBREVIATIONS

Table of abbreviations including AAP, CC, ADJ, AF, AFCH, AFF, APG, APPROX, ARCH, ASSY, ATS, BLDG, BOE, BOT, BTWN, CFCI, CMT, CLG, CMU, CONN, CONTR, CORR, CTR, D, DET, DIA, DIM, DIV, DN, DWG, EA, EAC, EJ, ELEC, ELEV, EM, EQ, EOS, EQUIP, EX, EXP, EXT, EXR, FCE, FD, FLR, FSC, FT, FTG, GC, GF, GFCI, GFFT, HC, HPS, HVAC, ID, IN, KEC, L, LBS, MAP, MAX, MEZZ, MFR, MH, MN, MSC, MTD, MTG, NIC, NOM, NTS, O, ODI, OFCI, OFOI, PC, PLBG, R, RAD, REC, REGD, RI, S, SC, SCH, SHT, SMS, SPEC, SQ, SS, STD, STRUC, SUC, TC, TEMP, TOE, TYP, UNO, VFD, VOL, W, W0, WP, ZVC.

GENERAL FLOOR PLAN NOTES

Table of general floor plan notes including DETAIL B = DETAIL DESIGNATION, SECTION 1 = SECTION DESIGNATION, PLAN NOTE, DETAIL NOTE, CABLE TRAY, WIRE & CONDUIT IN WALL OR ABOVE CEILING, WIRE & CONDUIT IN OR BELOW SLAB OR GRADE, CONDUIT TO BE REMOVED, EXISTING WIRE & CONDUIT TO REMAIN, CONDUIT FOR DATA CIRCUITRY, WIRE & CONDUIT FOR EMERGENCY CIRCUITRY, WIRE & CONDUIT FOR FIRE ALARM CIRCUITRY, WIRE & CONDUIT FOR INTERCOM SYSTEM CIRCUITRY, WIRE & CONDUIT FOR NURSE CALL CIRCUITRY, WIRE & CONDUIT FOR NIGHT LIGHT CIRCUITRY, CONDUIT FOR PHONE CIRCUITRY, WIRE & CONDUIT FOR SOUND SYSTEM CIRCUITRY, WIRE & CONDUIT FOR SECURITY SYSTEM CIRCUITRY, WIRE & CONDUIT FOR TELEVISION SYSTEM CIRCUITRY, WIRE RUN IN SURFACE WIREWAY, CABLE MANAGEMENT SYSTEM PATHWAY, EACH ARROWHEAD REPRESENTS ONE COMPLETE CIRCUIT.

SHEET LIST table with columns for Sheet Number and Sheet Name, listing items E001 through E034.

SECURITY SYMBOLS WITH ELECTRICAL REQUIREMENTS

Table of security symbols including ROUGH-IN FOR WALL MOUNTED PROXIMITY CARD READER, ROUGH-IN FOR DOOR POSITION SWITCH, ROUGH-IN FOR ELECTRONIC DOOR LOCK, ROUGH-IN FOR ELECTRONIC STRIKE, ROUGH-IN FOR WALL PEDESTAL MOUNT HANDICAP DOOR ACTUATOR BUTTON, HANDICAP DOOR OPERATOR MOTOR ASSEMBLY, WALL FLOOR MOUNTED ELECTROMAGNETIC DOOR HOLD OPEN WITH POWER SUPPLY, WALL MOUNTED WIRELESS PANIC/DURESS BUTTON, ROUGH-IN FOR REQUEST TO EXIT SWITCH, ROUGH-IN FOR REQUEST TO EXIT WALL MOUNT MOUNT PIR, SECURITY SYSTEM JUNCTION BOX.

Vertical scale markings on the left side of the page, including 'three inches = one foot', 'one and one-half inches = one foot', 'one inch = one foot', 'three-quarters inch = one foot', 'one-half inch = one foot', 'one-eighth inch = one foot'.

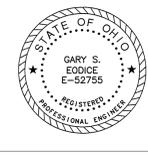
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FULLY SPRINKLERED

Table with columns for AMENDMENT #, BID DOCUMENTS, Date, and Revisions.

CONSULTANTS:

Heapy Engineering logo and contact information: MEP Design Technology Planning Commissioning Energy, 1400 W Dorothy Lane, Dayton, OH 45409-1310, Ph 937-224-0861 Fax 937-224-5777 www.heapy.com



ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS logo and contact information: 116 EAST THIRD STREET DAYTON, OHIO 45422-30, 937 461 3290 PHONE 937 461 0280 FAX jpoe@johnpoe.com

Drawing Title

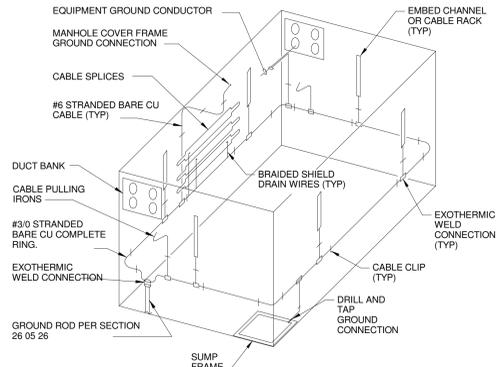
SYMBOLS

Project Title

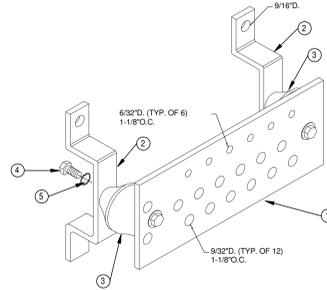
CLINICAL ADDITION TO BLDG 31, Chillicothe, Ohio, Date 05/23/2014, Checked MSG, Drawn SC

Project No. 538-108, JPA Project No. 10017.00, Building Number 31, Drawing Number E001, Dwg. 108 of 130

Office of Construction and Facilities Management, Department of Veterans Affairs



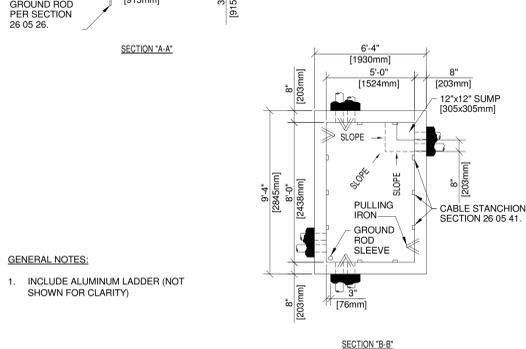
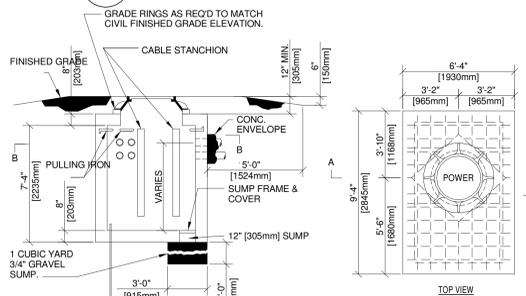
4 MANHOLE GROUNDING



DETAIL NOTES

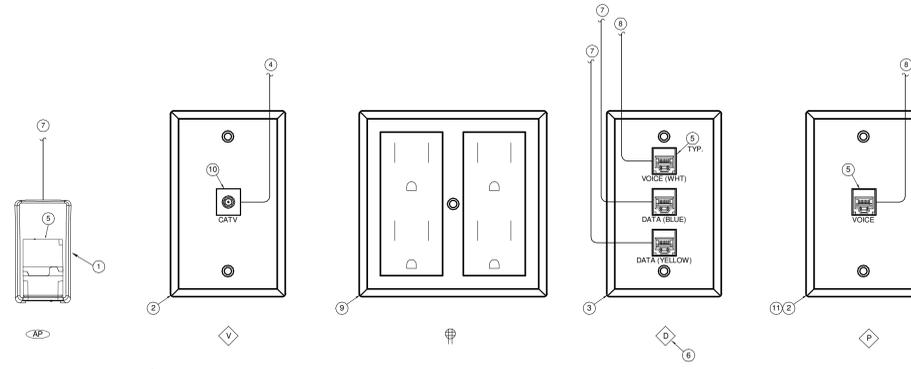
- 4"x14"x1/2" MIN LENGTH GROUNDING BAR. ACTUAL LENGTH REQUIRED BY QUANTITY OF GROUND CONNECTIONS. PROVIDE 10% SPARE CONNECTION POINTS.
- WALL MOUNTING BRACKET
- INSULATORS
- 5/8" 11"x1" H.H.S.
- 5/8" LOCKWASHERS

3 TECHNOLOGY GROUND BAR



- GENERAL NOTES:**
- INCLUDE ALUMINUM LADDER (NOT SHOWN FOR CLARITY)

5 MANHOLE DETAIL



UNDER DEDUCT ALTERNATE #2, PROVIDE ONLY EMPTY BOX AND CONDUIT. ALL OUTLETS (VOICE/DATA/CATV) INCLUDING FACEPLATE, JACKS, CABLING, TERMINATION, LABELING, ETC. TO BE DELETED.

2 SIGNALS DETAILS

DETAIL NOTES

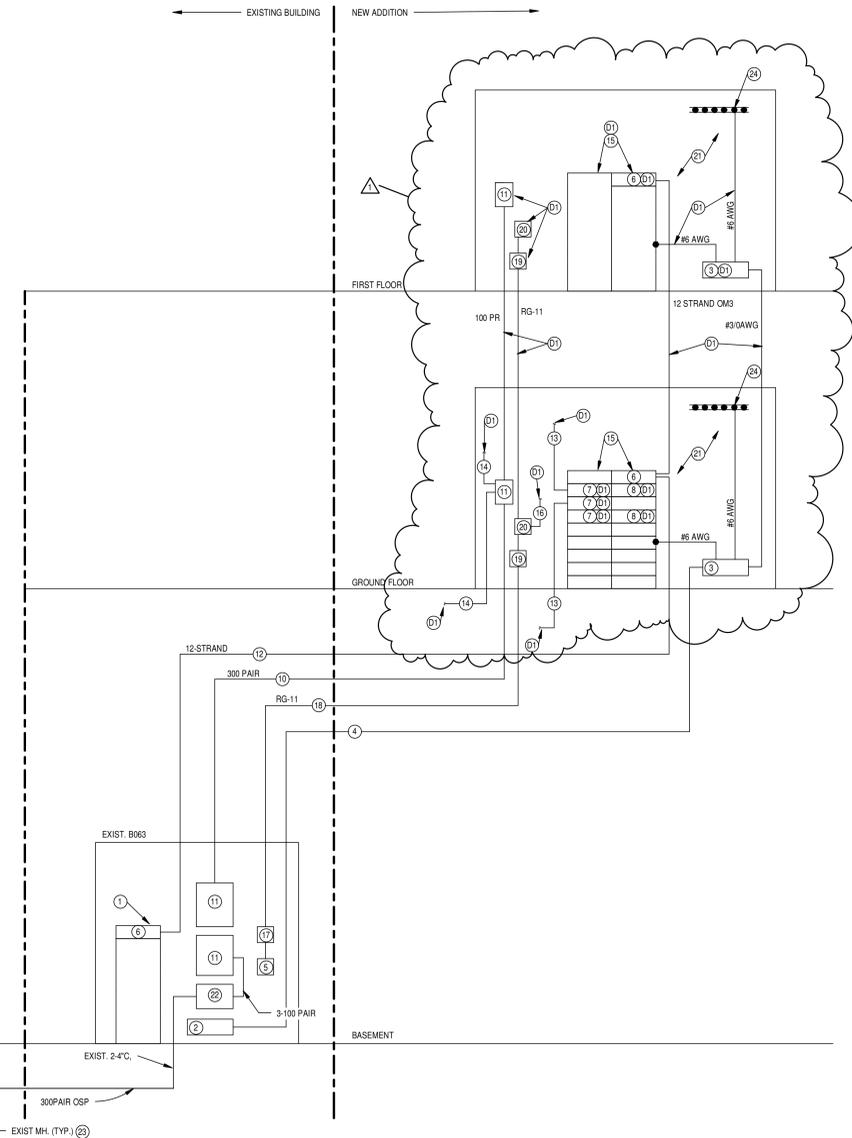
- SURFACE MOUNT UTP DATA JACK ABOVE ACCESSIBLE CEILING.
- 1-GANG DEEP DEVICE BOX WITH 75°C TO CORRIDOR CABLERAY.
- 2-GANG DEEP DEVICE BOX WITH W/ SINGLE-GANG PLATE, 1°C TO CORRIDOR CABLERAY.
- CONNECT TO LOCAL CATV DISTRIBUTION EQUIPMENT.
- UTP DATA VOICE JACK.
- DEFAULT OUTLET IS 2-DATA1-VOICE JACKS (2D1V).
- RUN TO LOCAL DATA STATION CABLE TERMINATION EQUIPMENT.
- RUN TO LOCAL VOICE STATION CABLE TERMINATION EQUIPMENT.
- DOUBLE DUPLEX RECEPTACLE.
- CATV COAXIAL TYPE "F" CONNECTOR.
- PROVIDE WALL PLATE FOR MOUNTING OF WALL PHONE.

RISER NOTES (BASE BID)

- EXISTING FLOOR MOUNTED RACK
- EXISTING TELECOM GROUND BAR
- NEW TELECOM GROUND BAR (TGB)
- #3 AWG TELECOM GROUNDING CONDUCTOR
- EXISTING CATV BACKBONE
- NEW RACK MOUNTED SECOR FIBER TERMINATION PANEL
- RACK MOUNTED DATA PATCH PANELS AS REQUIRED
- RACK MOUNTED DATA SWITCHES
- EXISTING VOICE WALL FIELD (110 BLOCKS)
- NEW VOICE BACKBONE (CAT 3)
- NEW VOICE WALL FIELD (110 BLOCKS)
- OM3 MULTIMODE FIBER BACKBONE
- DATA CABLING TO LOCAL OUTLETS
- VOICE CABLING TO LOCAL OUTLETS
- NEW FLOOR MOUNTED RACK
- CATV CABLING TO LOCAL OUTLETS
- NEW CATV BACKBONE, DISTRIBUTION AMP
- NEW CATV RG-11 VIDEO BACKBONE
- NEW CATV DISTRIBUTION AMPLIFIER
- NEW CATV TAP/SPLITTER DISTRIBUTION
- NEW WALL MOUNTED BACKBOARDS, PER PLANS
- NEW UL PRIMARY PROTECTORS (3-100 PAIR)
- EXISTING MANHOLE
- GROUNDING CONNECTION TO LADDER RACK

RISER NOTES (DEDUCT #2)

- DELETE INDICATED SCOPE OF WORK UNDER DEDUCT ALTERNATE #2



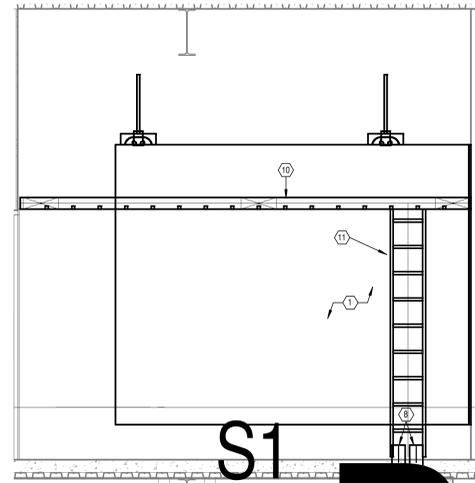
1 VOICE/DATA RISER DIAGRAM

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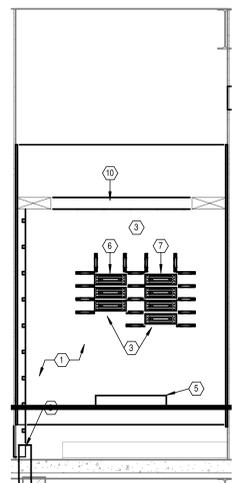
<p>CONSULTANTS:</p> <p>MEP Design Technology Planning Commissioning Energy Nationally Recognized Leader in Sustainability 1400 W Dorothy Lane, Dayton, OH 45409-1310 Ph 937-224-0861 Fax 937-224-5777 www.heapy.com Heapy Project No.: 2010-04026 Firm License No.: 01528</p>		<p>ARCHITECT/ENGINEERS:</p> <p>116 EAST THIRD STREET DAYTON, OH 45402-2130 937 461 3290 PHONE 937 461 0280 FAX jpae@johnpoe.com</p>		<p>Drawing Title</p> <p>SIGNALS RISER DIAGRAM & DETAILS</p> <p>Approved: Project Director</p>		<p>Project Title</p> <p>CLINICAL ADDITION TO BLDG 31</p> <p>Location Chillicothe, Ohio</p> <p>Date 05/23/2014</p> <p>Checked KAS</p> <p>Drawn KAS</p>		<p>Project No. VA Project No. 538-108 JPA Project No. 10017.00</p> <p>Building Number 31</p> <p>Drawing Number E004</p> <p>Dwg. 111 of 130</p>		<p>Office of Construction and Facilities Management</p> <p>Department of Veterans Affairs</p>	
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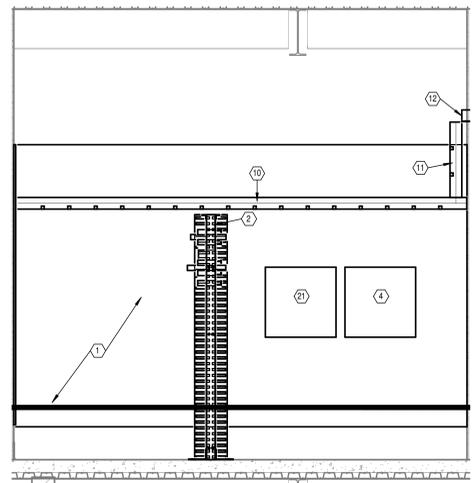
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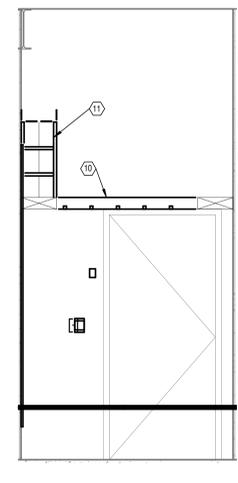
4 SIGNALS G160H - NORTH ELEVATION
 Scale: 1/2" = 1'-0"



3 SIGNALS G160H - EAST ELEVATION
 Scale: 1/2" = 1'-0"



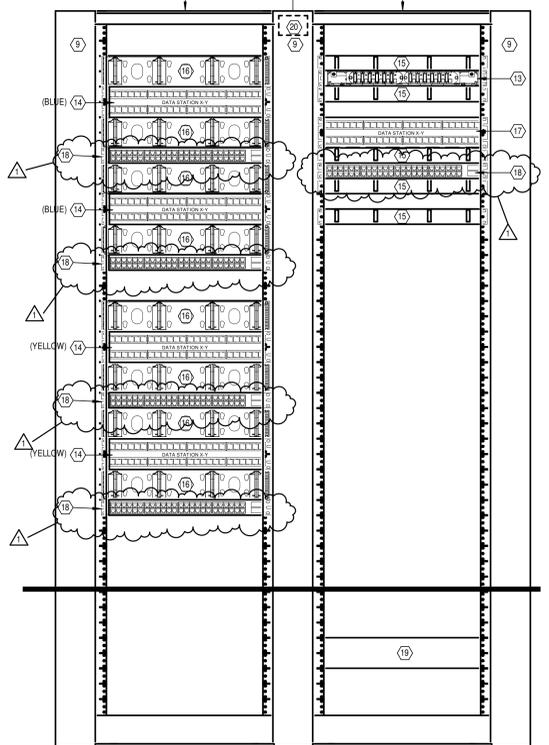
2 SIGNALS G160H - SOUTH ELEVATION
 Scale: 1/2" = 1'-0"



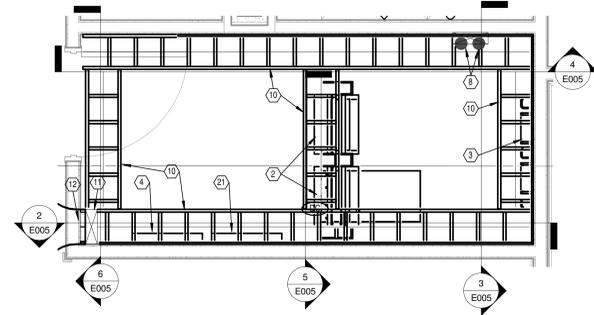
6 SIGNALS G160H - WEST ELEVATION
 Scale: 1/2" = 1'-0"

- PLAN NOTES**
- 3/4" FIRE TREATED & PAINTED PLYWOOD, 8" HIGH, 1" AFF, WALL-TO-WALL. TYPICAL ALL WALLS AS SHOWN.
 - NEW RELAY RACK.
 - VOICE WALL FIELD.
 - CATV WALL FIELD W/DISTRIBUTION AMPLIFIERS AND SPLITTER/TAP NETWORK.
 - TELECOMMUNICATIONS GROUND BAR (TMGB).
 - 300 PAIR 110 BLOCK FOR VOICE BACKBONE.
 - 110 BLOCKS FOR STATION CABLES.
 - RISER CONDUIT SLEEVES, 4"
 - NEW FULL HEIGHT VERTICAL CABLE MANAGEMENT.
 - NEW 12" W X 4" H HORIZONTAL LADDER RACK, 18" H = 7'-2"
 - NEW 12" W X 4" H VERTICAL WALL MOUNTED LADDER RACK.
 - CORRIDOR CABLE TRAY PENETRATION THROUGH WALL INCLUDING FIRE-STOP.
 - FIBER TERMINATION PANEL.
 - UTP DATA STATION CABLE PATCH PANEL.
 - 1RU HORIZONTAL FRONT/REAR WIRE MANAGEMENT PANEL.
 - 2RU HORIZONTAL FRONT/REAR WIRE MANAGEMENT PANEL.
 - UTP DATA STATION CABLE PATCH PANEL FOR WAP OUTLETS.
 - 48-PORT, 10/100 NETWORK SWITCH WITH POE.
 - 2000VA UPS.
 - APC NETBOTZ 355 IP CAMERA.
 - WIRELESS PANIC DURESS SYSTEM CONTROLLERS AND INPUTS. REFER TO DETAIL SHEET E010.

UNDER DEDUCT ALTERNATE #2, ONLY THE RACKS AND FIBER TERMINATION PANELS ARE TO BE PROVIDED. ALL OTHER RACK MOUNTED EQUIPMENT (PATCH PANELS, SWITCHES, WIRE MANAGERS AND UPS) IS TO BE DELETED.



5 SIGNALS RACKS
 Scale: 1 1/2" = 1'-0"



1 SIGNALS G160H
 Scale: 1/2" = 1'-0"

FULLY SPRINKLERED

Revisions	AMENDMENT #4 BID DOCUMENTS	Date
1	08/19/2014	4/18/2014

CONSULTANTS:

Heapy Engineering
 MEP Design Technology Planning Commissioning Energy
Nationally Recognized Leader in Sustainability
 1400 W Dorothy Lane, Dayton, OH 45409-1310
 Ph 937-224-0861 Fax 937-224-5777 www.heapy.com
 Heapy Project No.: 2010-04026 Firm License No.: 01528



ARCHITECT/ENGINEERS:
JOHN POE ARCHITECTS
 116 EAST THIRD STREET
 DAYTON, OHIO 45402-2130
 937 461 3290 PHONE
 937 461 0280 FAX
 jpae@johnpoe.com

Drawing Title
SIGNALS CLOSET G160H
 Approved: Project Director

Project Title
CLINICAL ADDITION TO BLDG 31
 Location
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 KAS

Project No.
 VA Project No. 538-108
 JPA Project No. 10017.00
 Building Number
31
 Drawing Number
E005
 Dwg. 112 of 130

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