

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-quarter inch = one foot

one-eighth inch = one foot

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SECURITY SYMBOLS WITH ELECTRICAL REQUIREMENTS

	ROUGH-IN FOR WALL MOUNTED PROXIMITY CARD READER (46" MH UNLESS NOTED OTHERWISE); 1-GANG BOX WITH CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING. REFER TO SECURITY ROUGH-IN DETAILS.
	ROUGH-IN FOR DOOR POSITION SWITCH. CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING. REFER TO SECURITY ROUGH-IN DETAILS.
	ROUGH-IN FOR ELECTRONIC DOOR LOCK. CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING. REFER TO SECURITY ROUGH-IN DETAILS.
	ROUGH-IN FOR ELECTRONIC STRIKE. CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING. REFER TO SECURITY ROUGH-IN DETAILS.
	ROUGH-IN FOR WALL/PEDESTAL MOUNT HANDICAP DOOR ACTUATOR BUTTON, FURNISHED BY OTHERS. BOX AS REQUIRED BY SYSTEM MANUFACTURER WITH INSTALLATION AND CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING.
	HANDICAP DOOR OPERATOR MOTOR ASSEMBLY BY OTHERS. 120V POWER CONNECTION AND CONDUIT FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING.
 	WALL/FLOOR MOUNTED ELECTROMAGNETIC DOOR HOLD OPEN WITH POWER SUPPLY INSTALLED BY OTHERS. 120V POWER AND CONNECTION, BOX AS REQUIRED BY MANUFACTURER AND CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING BY DIV 28. LOW VOLTAGE WIRING FROM POWER SUPPLY TO HOLD OPEN AND INTERFACE WITH SMS BY DIV 28. SUBSCRIPT "FA" INDICATES DEVICES POWERED FROM FIRE ALARM SYSTEM AND INTERFACE FROM SMS TO FIRE ALARM SYSTEM REQUIRED FOR DOOR RELEASE BY DIV 28. REFER TO SECURITY ROUGH-IN DETAILS.
W	WALL MOUNTED WIRELESS PANIC/DURESS BUTTON (46" MH UNLESS NOTED OTHERWISE); #EN1235SF.
	ROUGH-IN FOR REQUEST TO EXIT SWITCH IN DOOR HARDWARE. CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING. REFER TO SECURITY ROUGH-IN DETAILS.
M	ROUGH-IN FOR REQUEST TO EXIT WALL MOUNT MOUNT PIR ABOVE DOOR. 1 GANG BOX WITH 0.75" C. TO SMS JUNCTION BOX. REFER TO SECURITY ROUGH-IN DETAILS.
	SECURITY SYSTEM JUNCTION BOX TO BE LOCATED ABOVE ACCESSIBLE CEILING (MIN 6"X6"X4"). ROUTE LOCAL DOOR CONTROL CONDUITS WITH WIRING TO JUNCTION BOX. END 1" CONDUIT WITH DOOR SECURITY WIRING TO LOCAL 2-DOOR CONTROLLER/REMOTE DOOR CONTROL PANELS AS INDICATED ON DRAWINGS. REFER TO DOOR ROUGH-IN DETAILS.

ELECTRICAL SYMBOLS

	DASH SYMBOL INDICATES PARTICULAR OUTLET OR DEVICE TO BE REMOVED AND CIRCUITRY MADE CONTINUOUS WHERE REQUIRED.
	EXISTING OUTLET OR DEVICE TO REMAIN. MAINTAIN EXISTING CIRCUITING.
	ELECTRICAL CONNECTION.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE).
	20A-125V SINGLE RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE).
	SPECIAL PURPOSE RECEPTACLE. REFER TO NOTE ON PLAN.
	20A-125V DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, (18" MH UNLESS NOTED OTHERWISE) TWO GANG ASSEMBLY.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R WITH BOTTOM OUTLET CONTROLLED BY WALL SWITCH. (18" MH UNLESS NOTED OTHERWISE).
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (46" MH UNLESS NOTED OTHERWISE).
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH UNLESS NOTED OTHERWISE).
	20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R (HORIZONTAL 18" MH UNLESS NOTED OTHERWISE) WITH WEATHERPROOF COVER.
	20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH UNLESS NOTED OTHERWISE), WITH WEATHERPROOF COVER.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, ON EMERGENCY POWER (18" MH UNLESS NOTED OTHERWISE).
	20A-125V POWERLOCK GROUNDING TYPE RECEPTACLE, HOSPITAL USE (66" MH UNLESS NOTED OTHERWISE).
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, IN FLUSH FLOOR BOX WITH ROUND COVERPLATE. PROVIDE CARPET FLANGE WHERE REQUIRED.
	20-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH ISOLATED GROUND (18" MH UNLESS NOTED OTHERWISE).
	20A-125V-1PH-4W SINGLE RECEPTACLE, NEMA 14-20R (18" MH UNLESS NOTED OTHERWISE).
	30A-125V-1PH-4W SINGLE RECEPTACLE, NEMA 14-30R (18" MH UNLESS NOTED OTHERWISE).
	50A-125V-1PH-4W SINGLE RECEPTACLE, NEMA 14-50R (18" MH UNLESS NOTED OTHERWISE).
	20A-250V-3PH-4W SINGLE RECEPTACLE, NEMA 15-20R (18" MH UNLESS NOTED OTHERWISE).
	30A-250V-3PH-4W SINGLE RECEPTACLE, NEMA 15-30R (18" MH UNLESS NOTED OTHERWISE).
	50A-250V-3PH-4W SINGLE RECEPTACLE, NEMA 15-50R (18" MH UNLESS NOTED OTHERWISE).
	JUNCTION BOX.
	MULTI-OUTLET RECEPTABLES ASSEMBLY, NEMA 5-15R (SINGLE OUTLETS ON 18" CENTERS) (46" MH UNLESS NOTED OTHERWISE).
	CLOCK HANGER OUTLET, SINGLE NEMA 5-15R RECESSED IN COVER PLATE (84" MH UNLESS NOTED OTHERWISE).
	SINGLE POLE SWITCH (46" MH UNLESS NOTED OTHERWISE).
	TWO POLE WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
	THREE-WAY WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
	FOUR-WAY WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
	SWITCH WITH NEON PILOT LIGHT. ONE-GANG ASSEMBLY (46" MH UNLESS NOTED OTHERWISE).
	KEY OPERATED WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
	LIGHTING DIMMER SWITCH (46" MH UNLESS NOTED OTHERWISE) 1000 WATTS UNLESS OTHERWISE INDICATED.
	SWITCH WITH RECEPTACLE (46" MH UNLESS NOTED OTHERWISE) STANDARD TWO-GANG ASSEMBLY OF SWITCH AND RECEPTACLE.
	FLUSH FRACTIONAL HORSEPOWER MOTOR STARTER WITH NEON PILOT LIGHT. ONE-GANG ASSEMBLY (46" MH UNLESS NOTED OTHERWISE).
	HP RATED WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
	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. SUBSCRIPT "W" INDICATES WALL MOUNT (46" MH UNLESS NOTED OTHERWISE).
	INTERCOM STAFF STATION (46" MH UNLESS NOTED OTHERWISE).
	INTERCOM HORN TYPE SPEAKER (84" MH UNLESS NOTED OTHERWISE).
	INTERCOM SPEAKER FLUSH MOUNT IN CEILING.
	PUSHBUTTON (46" MH UNLESS NOTED OTHERWISE).
	BUZZER (80" MH UNLESS NOTED OTHERWISE).
	4" DIAMETER (80" MH UNLESS NOTED OTHERWISE).
	PHOTOELECTRIC SENSOR.
	LIGHTING CONTACTOR.
	CEILING MOUNTED OCCUPANCY SENSOR.
	WALL MOUNTED OCCUPANCY SENSOR.
	CEILING MOUNTED DAYLIGHT SENSOR.
	OCCUPANCY SENSOR POWER PACK.

FIRE ALARM SYMBOLS

	FIRE ALARM CONTROL PANEL.
	FIRE ALARM SPEAKER & SIGNAL LIGHT (80" AFF), (8 WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 75 CANDELA.
	FIRE ALARM BELL & SIGNAL LIGHT (80" AFF), (8 WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 75 CANDELA.
	FIRE ALARM CHIME & SIGNAL LIGHT (80" AFF), (8 WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 75 CANDELA.
	FIRE ALARM HORN & SIGNAL LIGHT (80" AFF), (8 WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 75 CANDELA.
	FIRE ALARM SIGNALING LIGHT (80" AFF), (8 WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 75 CANDELA.
	CEILING MOUNTED FIRE ALARM SPEAKER.
	FIRE ALARM MANUAL STATION (46" MH UNLESS NOTED OTHERWISE). SUBSCRIPT "K" INDICATES KEY OPERATED.
	CEILING MOUNTED SMOKE DETECTOR.
	CEILING MOUNTED HEAT DETECTOR.
	DUCT MOUNTED SMOKE DETECTOR. SUBSCRIPT "S" INDICATES SUPPLY. SUBSCRIPT "R" INDICATES RETURN.
	DUCT MOUNTED HEAT DETECTOR. SUBSCRIPT "S" INDICATES SUPPLY. SUBSCRIPT "R" INDICATES RETURN.
	ELECTRIC RELEASE DOOR CLOSER.
	ELECTRO-MAGNETIC DOOR HOLDER.
	WATER FLOW SWITCH.
	VALVE SUPERVISORY SWITCH.
	DUCT MOUNTED DETECTOR REMOTE TEST STATION AND ALARM INDICATOR LIGHT. SUBSCRIPT "W" INDICATES WALL MOUNTED.
	SMOKE DAMPER.
	FIRE FIGHTER'S TELEPHONE (60" MH UNLESS NOTED OTHERWISE).
	PRESSURE SWITCH.
	ADDRESSABLE MODULE. SUBSCRIPT "I" INDICATES INPUT. SUBSCRIPT "C" INDICATES CONTROL.
	POST INDICATOR VALVE.
	KNOX BOX.

LUMINAIRE SYMBOLS

	A LIGHTING FIXTURE. CAPITAL LETTER DENOTES FIXTURE TYPE, LOWER CASE LETTER DENOTES SWITCHING ARRANGEMENT.
	LIGHTING FIXTURE ON NIGHT LIGHT OR EMERGENCY CIRCUIT.
	EXIT LIGHTING FIXTURE. ARROWS AS INDICATED.

NURSE CALL SYMBOLS

	NURSE CALL CONTROL PANEL.
	NURSE CALL DESK MOUNTED MASTER CONTROL STATION (OUTLET AT 18" MH UNLESS NOTED OTHERWISE), SUBSCRIPT "W" INDICATES WALL MOUNT (46" MH UNLESS NOTED OTHERWISE).
	NURSE CALL STAFF STATION (46" MH UNLESS NOTED OTHERWISE).
	NURSE CALL DUTY STATION (46" MH UNLESS NOTED OTHERWISE).
	NURSE CALL STATION WITH PULL CORD FOR PATIENT USE (33" MH IN TOILET ROOMS, 90" M.H. IN SHOWERS AND WET AREAS, 46" MH UNLESS NOTED OTHERWISE IN ALL OTHER AREAS).
	PATIENT NURSE CALL UTILITY CONSOLE (46" MH UNLESS NOTED OTHERWISE).
	PATIENT NURSE CALL STATION (ONE OR TWO CORDS AS INDICATED, 46" MH UNLESS NOTED OTHERWISE).
	CEILING MOUNTED NURSE CALL DOME LIGHT.
	WALL MOUNTED NURSE CALL DOME LIGHT (90" MH UNLESS NOTED OTHERWISE).
	CEILING MOUNTED COMBINATION DOME LIGHT AND BUZZER.
	CEILING MOUNTED NURSE CALL ZONE LIGHT.
	NURSE CALL EMERGENCY BUTTON (46" MH UNLESS NOTED OTHERWISE).
	EMERGENCY CODE BLUE BUTTON (46" MH UNLESS NOTED OTHERWISE).

TECHNOLOGY SYMBOLS WITH ELECTRICAL REQUIREMENTS

	CONDUIT SLEEVE / FIRE RATED SLEEVE ASSEMBLY THRU WALL (1-2" SLEEVE UNLESS NOTED OTHERWISE).
	BASE BID - WALL MOUNTED TRI-PLEX (1-VOICE/2-DATA) VOICE/DATA OUTLET (18" MH UNLESS NOTED OTHERWISE). UNDER DEDUCT ALTERNATE #2 REMOVE FACEPLATE, JACKS, CABLING, TERMINATION, LABELING AND TESTING.
	BASE BID - WALL MOUNTED PHONE OUTLET (46" MH UNLESS NOTED OTHERWISE). UNDER DEDUCT ALTERNATE #2 REMOVE FACEPLATE, JACKS, CABLING, TERMINATION, LABELING AND TESTING.
	BASE BID - WALL MOUNTED CAT1 OUTLET (44" MH UNLESS NOTED OTHERWISE). SUBSCRIPT "X" INDICATES ALTERNATE CONFIGURATION. UNDER DEDUCT ALTERNATE #2 REMOVE FACEPLATE, JACKS, CABLING, TERMINATION, LABELING AND TESTING.
	TECHNOLOGY FLOOR BOX. PROVIDE APPROPRIATE CONNECTOR PLATE AND HINGED COVER. "W" INDICATES OUTLET TYPE. SUBSCRIPT "X" INDICATES ALTERNATE CONFIGURATION.
	BASE BID - ABOVE CEILING WAP OUTLET. 1 - DATA OUTLET AT AP LOCATION, WITH 20' SLACK COILED AT AP LOCATION, PROVIDE CISCO AIR-LAP1131AG-A-K9 INSTALLED AT EACH LOCATION. UNDER DEDUCT ALTERNATE #2 REMOVE ALL SCOPE OF WORK.
	BASE BID - 1-DATA OUTLET FOR OWNER FURNISHED RTLS PORTAL. EXACT LOCATION AND MOUNTING HEIGHT TO BE COORDINATED WITH VA PRIOR TO INSTALLATION. SUBSCRIPT "W" INDICATES EXTERIOR INSTALLATION WITH DIRECT CABLING CONNECTION INTO RTLS PORTAL. UNDER DEDUCT ALTERNATE #2 REMOVE FACEPLATE, JACKS, CABLING, TERMINATION, LABELING AND TESTING.

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

AAP	- AREA ALARM PANEL - MEDICAL GAS	ID	- INSIDE DIAMETER
ACC	- ACCESS	IN	- INCHES
ADJ	- ADJUSTABLE	KEC	- KITCHEN EQUIPMENT CONTRACTOR
AF	- ARC FAULT CIRCUIT INTERRUPTER	L	- LENGTH
AFCI	- ARC FAULT CIRCUIT INTERRUPTER	LBS	- POUNDS
AFF	- ABOVE FINISHED FLOOR TO BOTTOM OF ITEM	MAP	- MASTER ALARM PANEL (MEDICAL GAS)
AFG	- ABOVE FINISHED GRADE TO BOTTOM OF ITEM	MAX	- MAXIMUM
ALT	- ALTERNATE	MEZZ	- MEZZANINE
AP	- ACCESS PANEL	MFR	- MANUFACTURER
APPROX	- APPROXIMATE	MH	- MANHOLE OR MOUNTING HEIGHT TO CENTER LINE OF ITEM
ARCH	- ARCHITECT OR ARCHITECTURAL	MIN	- MINIMUM OR MINUTE
ASSY	- ASSEMBLY	MISC	- MISCELLANEOUS
ATS	- AUTOMATIC TRANSFER SWITCH	MTD	- MOUNTED
BLDG	- BUILDING	MTG	- MOUNTING
BOE	- BOTTOM OF EQUIPMENT	NIC	- NOT IN CONTRACT
BOT	- BOTTOM	NOM	- NOMINAL
BTWN	- BETWEEN	NTS	- NOT TO SCALE
CFCI	- CONTRACTOR FURNISHED CONTRACTOR INSTALLED	OD	- OUTSIDE DIAMETER
CIRCUIT	- CIRCUIT	OFCI	- OWNER FURNISHED CONTRACTOR INSTALLED
CLG	- CEILING	OFOW	- OWNER FURNISHED OWNER INSTALLED
CMU	- CONCRETE MASONRY UNIT	PC	- PLUMBING CONTRACTOR (DIVISION 22)
CONN	- CONNECT OR CONNECTION	PLBG	- PLUMBING
CONTR	- CONTRACTOR	RAD	- RADIUS
CORR	- CORRIDOR	REC	- RECESSED
CTR	- CENTER	REQD	- REQUIRED
DEPTH	- DEPTH	RI	- ROUGH-IN
DET	- DETAIL	S	- SURFACE MOUNTED
DIA	- DIAMETER	SC	- SECURITY CONTRACTOR
DM	- DIMENSION	SO	- SCHEDULE
DIV	- DIVISION	SHT	- SHEET
DN	- DOWN	SMS	- SECURITY MANAGEMENT SYSTEM
DWG	- DRAWING	SPEC	- SPECIFICATIONS
EA	- EACH	SQ	- SQUARE
EAC	- ELECTRICAL CONTRACTOR (DIVISION 26)	SS	- STAINLESS STEEL
EJ	- EXPANSION JOINT	STD	- STANDARD
ELEV	- ELECTRICAL	STRUC	- STRUCTURAL OR STRUCTURE
ELEV	- ELEVATION OR ELEVATOR	SUC	- SITE UTILITY CONTRACTOR
EM	- EMERGENCY	TC	- TECHNOLOGY CONTRACTOR
EQ	- EQUAL	TEMP	- TEMPERATURE
EOS	- EQUIPMENT SUPPLIER	TOE	- TOP OF EQUIPMENT
EQUIP	- EQUIPMENT	TYP	- TYPICAL
EXIST	- EXISTING TO REMAIN	UNO	- UNLESS NOTED OTHERWISE
EX	- EXISTING	VFD	- VARIABLE FREQUENCY DRIVE
EXP	- EXPANSION	VOL	- VOLUME
EXT	- EXTERIOR	W	- WITH
EXR	- EXISTING TO BE REMOVED AND RELOCATED	W/O	- WITHOUT
FCE	- FIRE CONTROL EQUIPMENT	WP	- WEATHERPROOF
FF	- FINISHED FLOOR ELEVATION	ZVC	- ZONE VALVE CABINET
FLR	- FLOOR		
FSC	- FIRE SUPPRESSION CONTRACTOR (DIVISION 21)		
FT	- FEET		
FTG	- FOOTING		
GC	- GENERAL CONTRACTOR		
GF	- GROUND FAULT CIRCUIT INTERRUPTER		
OFCI	- GROUND FAULT CIRCUIT INTERRUPTER OR GOVERNMENT FURNISHED CONTRACTOR INSTALLED		
GFFT	- GROUND FAULT FEED THRU		
HC	- HVAC CONTRACTOR (DIVISION 23)		
HP	- HORSE POWER OR HIGH POINT		
HVAC	- HEATING, VENTILATING, AND AIR CONDITIONING		

GENERAL FLOOR PLAN NOTES

	DETAIL: B = DETAIL DESIGNATION E2 = SHEET WHERE DETAIL IS LOCATED
	SECTION: 1 = SECTION DESIGNATION E2 = SHEET WHERE DETAIL IS LOCATED
	PLAN NOTE. APPLIES ONLY TO THE SHEET WHICH IT IS SHOWN.
	DETAIL NOTE. APPLIES ONLY TO THE ASSOCIATED DETAIL.
	CABLE TRAY, 12" x 4" DEEP UNLESS NOTED OTHERWISE.
	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; "X" DENOTES PANEL NAME; NUMBER(S) DENOTES CIRCUIT(S).

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Nationally Recognized Leader in Sustainability

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Drawing Title

SYMBOLS

Approved: Project Director

Project Title

CLINICAL ADDITION TO BLDG 31

Location

Chillicothe, Ohio

Date

05/23/2014

Checked

MSG

Drawn

SC

Project No.

VA 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

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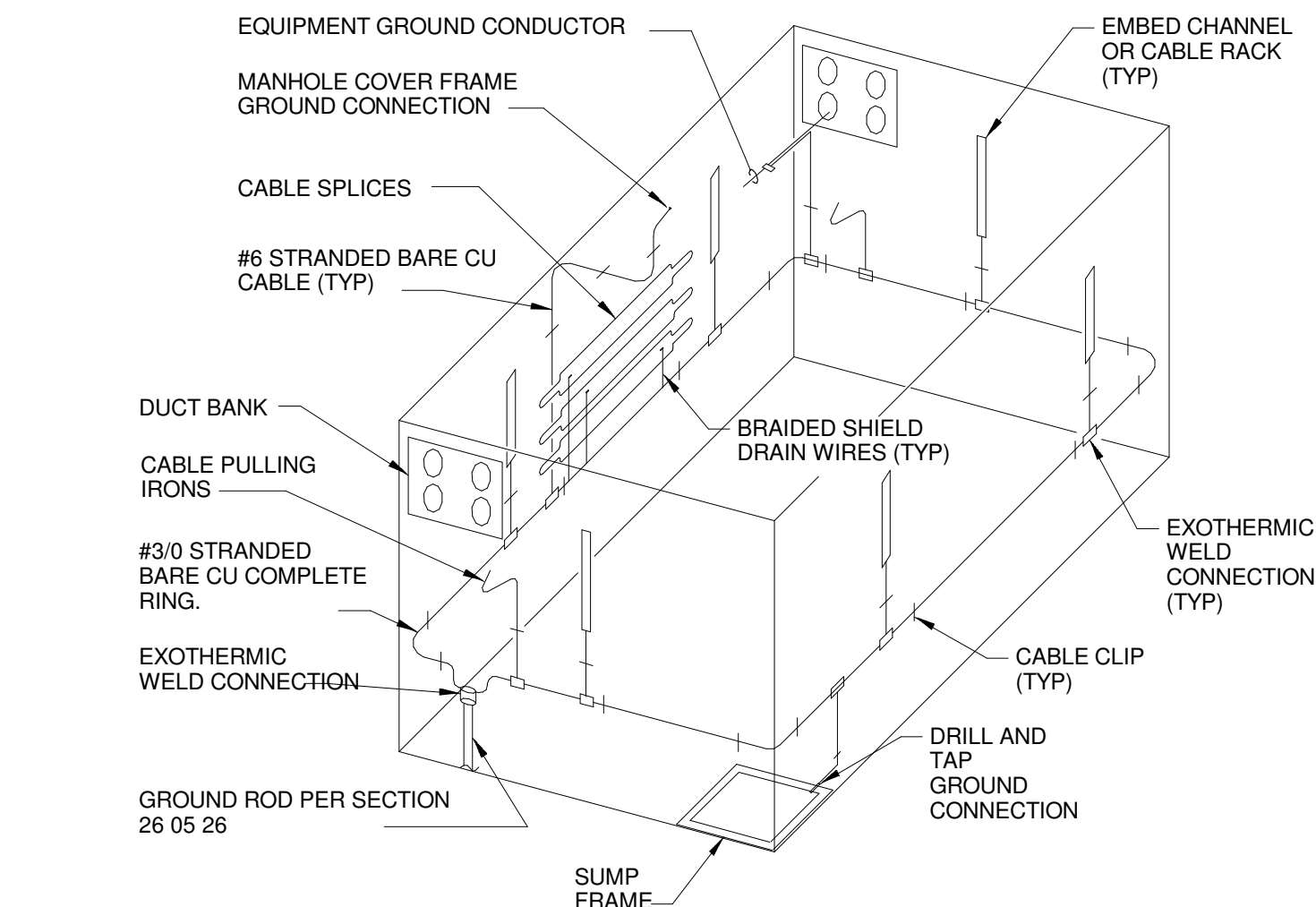
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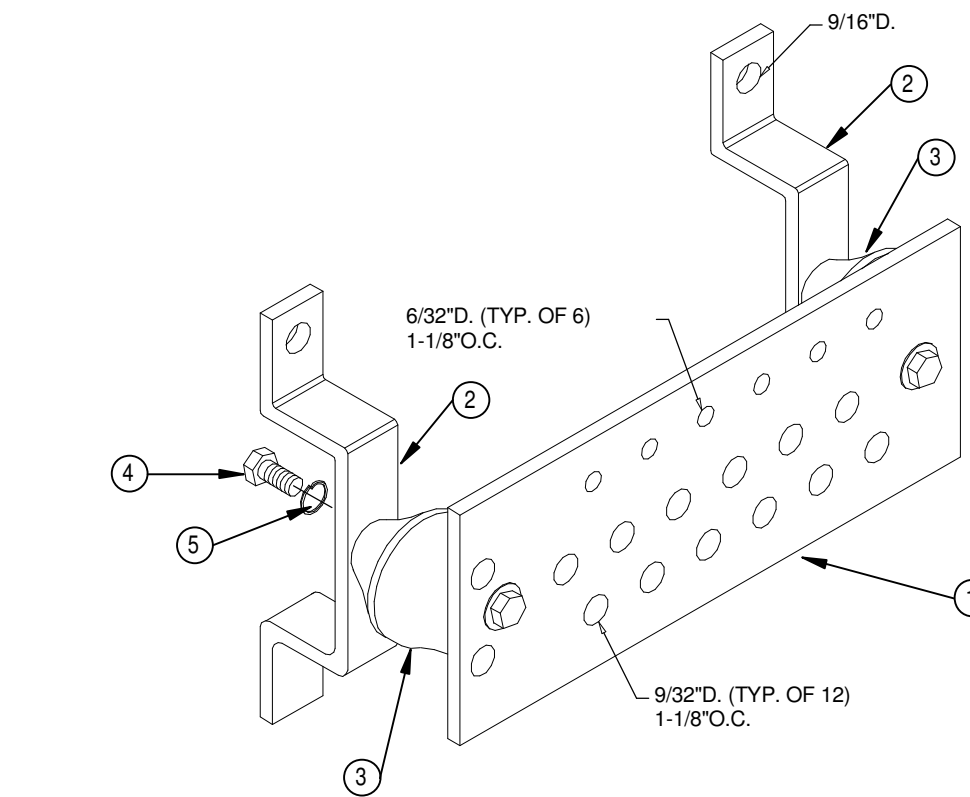
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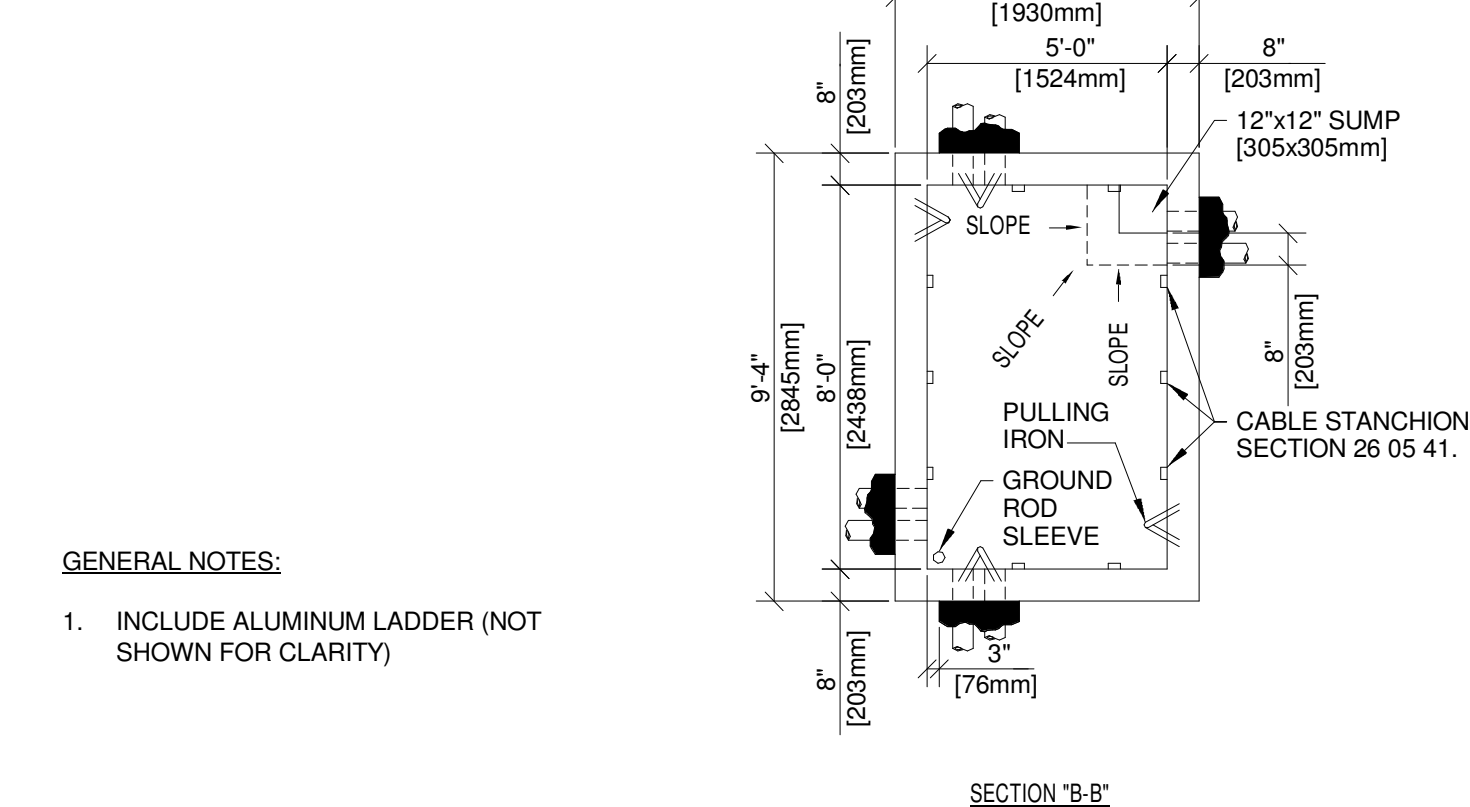
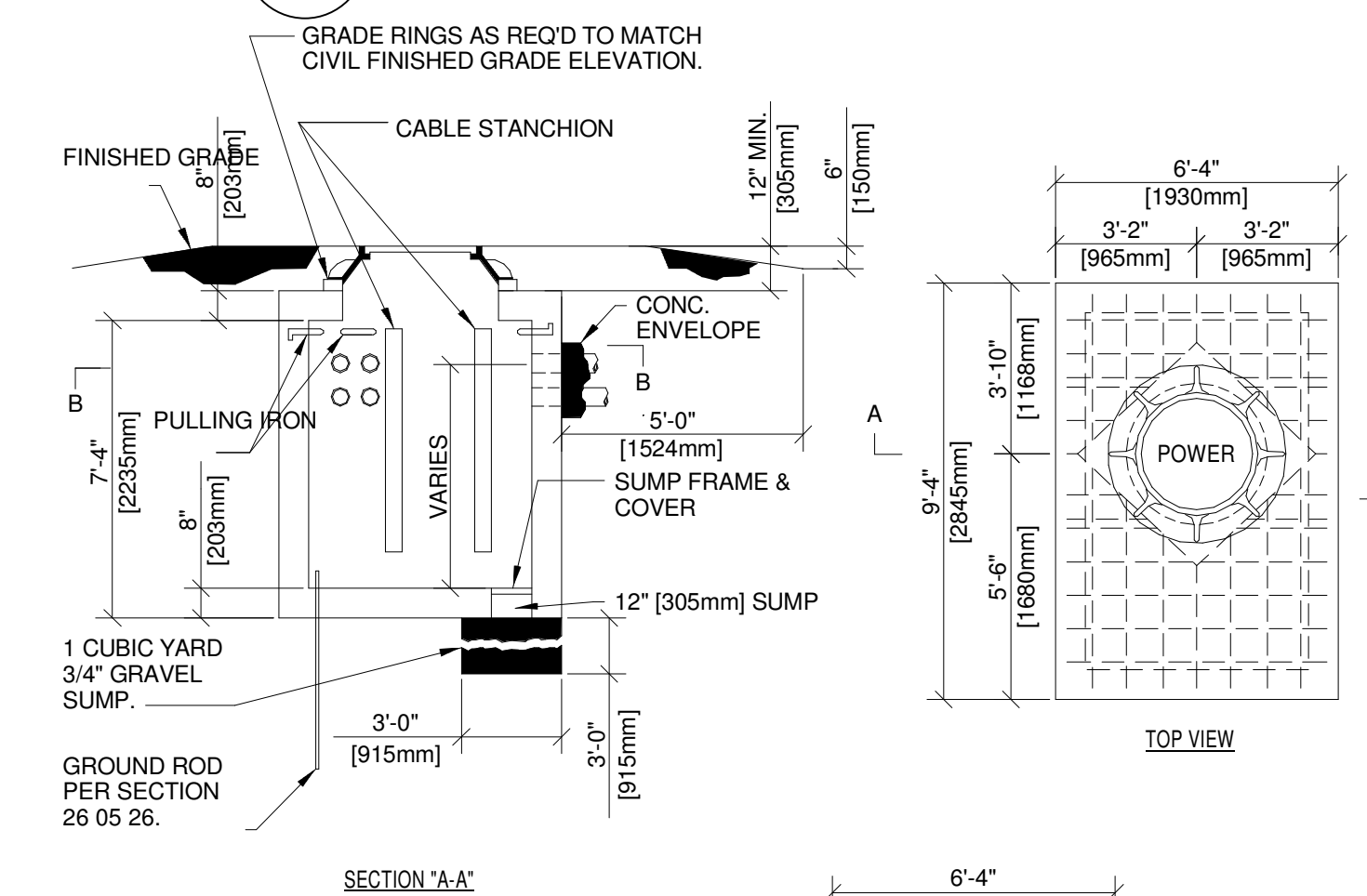
4 MANHOLE GROUNDING



DETAIL NOTES

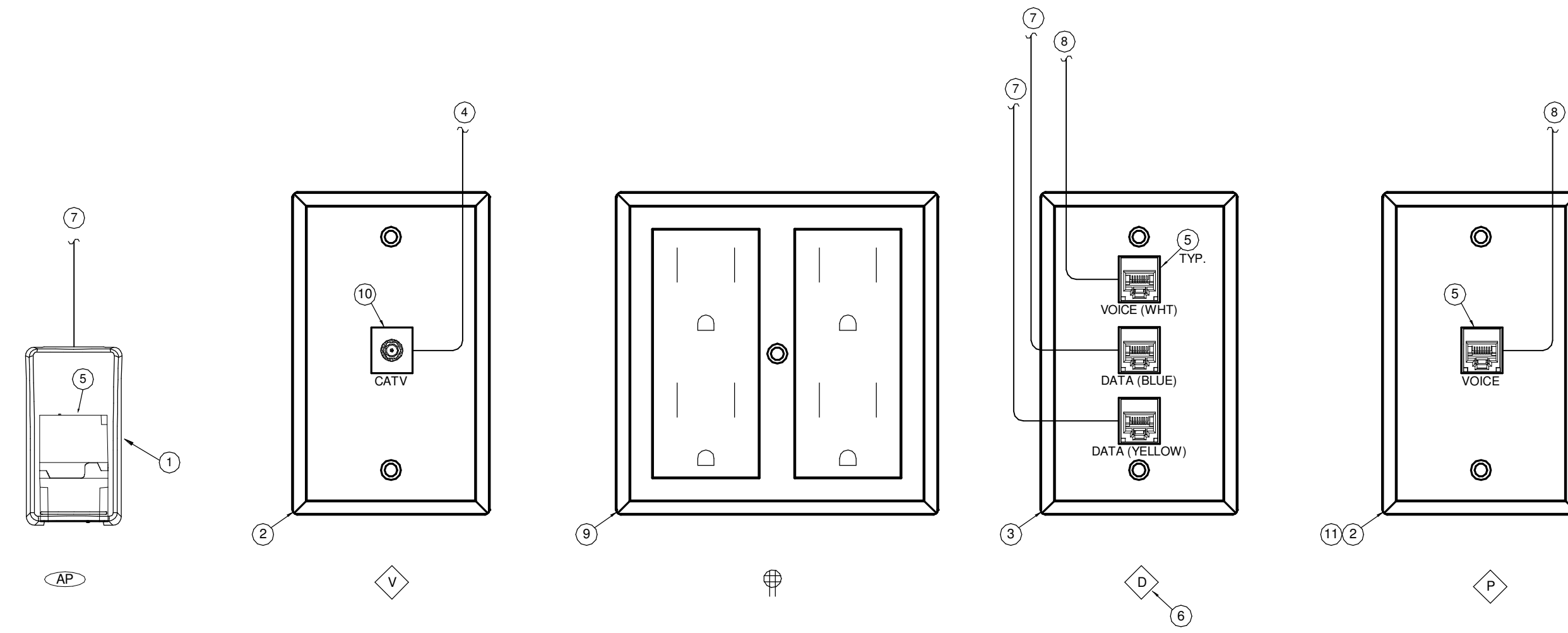
- 4"x14"x10" MIN LENGTH GROUNDING BAR. ACTUAL LENGTH REQUIRED BY QUANTITY OF GROUND CONNECTIONS. PROVIDE 10% SPARE CONNECTION POINTS.
- WALL MOUNTING BRACKET
- INSULATORS
- 5/8-11"x1" H.H.O.S.
- 5/8" LOCKWASHERS

3 TECHNOLOGY GROUND BAR



5 MANHOLE DETAIL

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



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

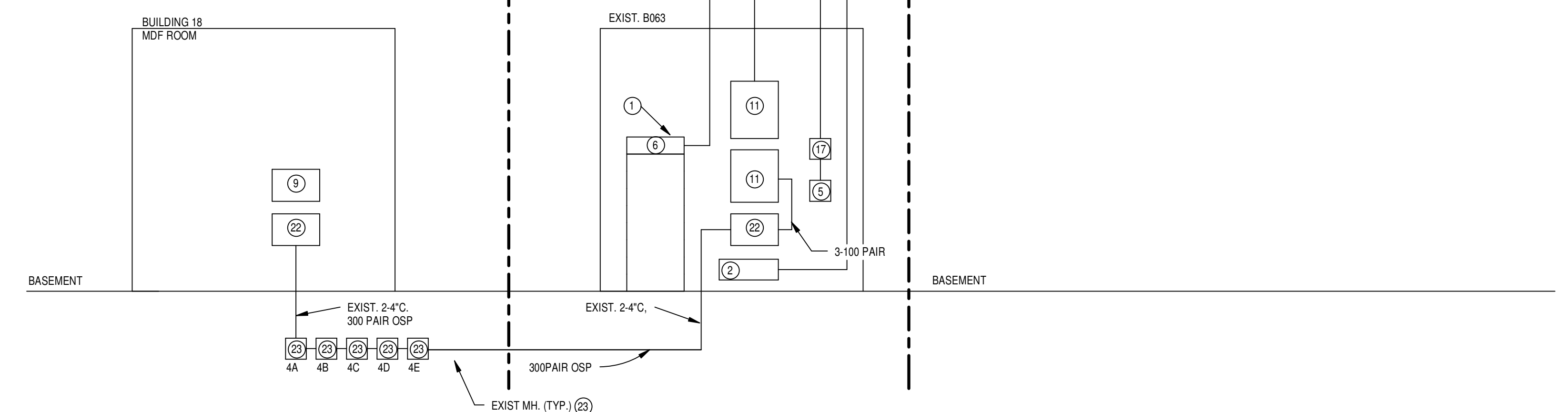
- SURFACE MOUNT UTP DATA JACK ABOVE ACCESSIBLE CEILING.
- 1-GANG DEEP DEVICE BOX WITH 75°C TO CORRIDOR CABLETRAY.
- 2-GANG DEEP DEVICE BOX WITH W/ SINGLE-GANG PLATE, 1°C TO CORRIDOR CABLETRAY.
- CONNECT TO LOCAL CATV DISTRIBUTION EQUIPMENT.
- UTP DATA/VOICE JACK.
- DEFAULT OUTLET IS 2-DATA/1-VOICE JACKS (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)
- #10 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 MULTI-MODE 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

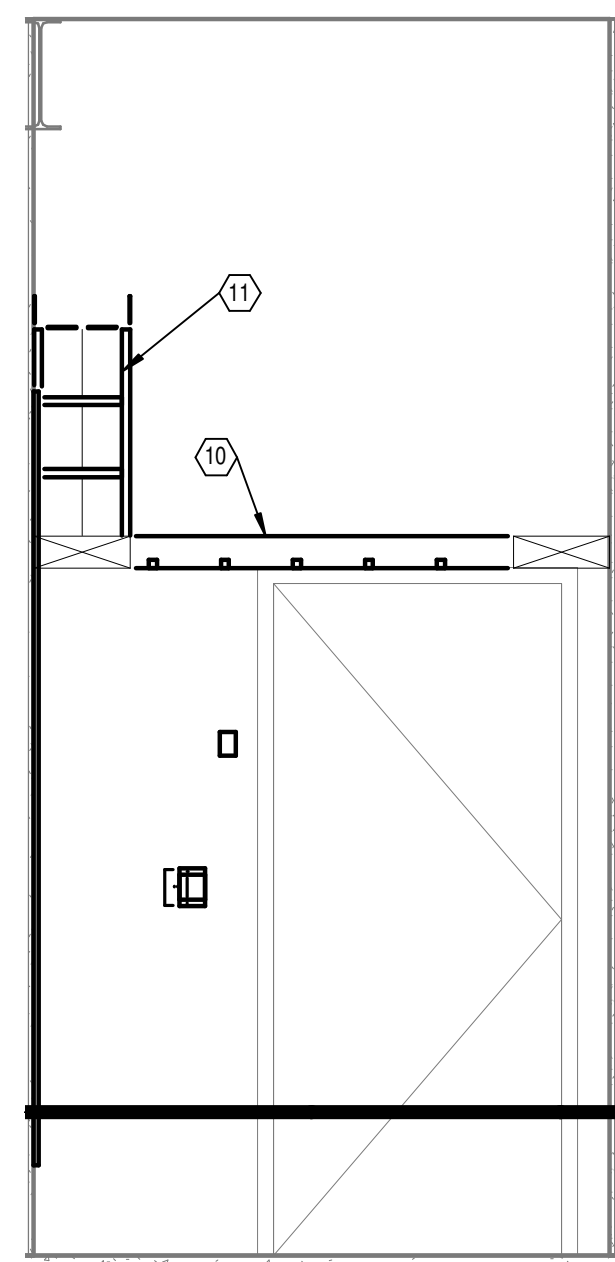
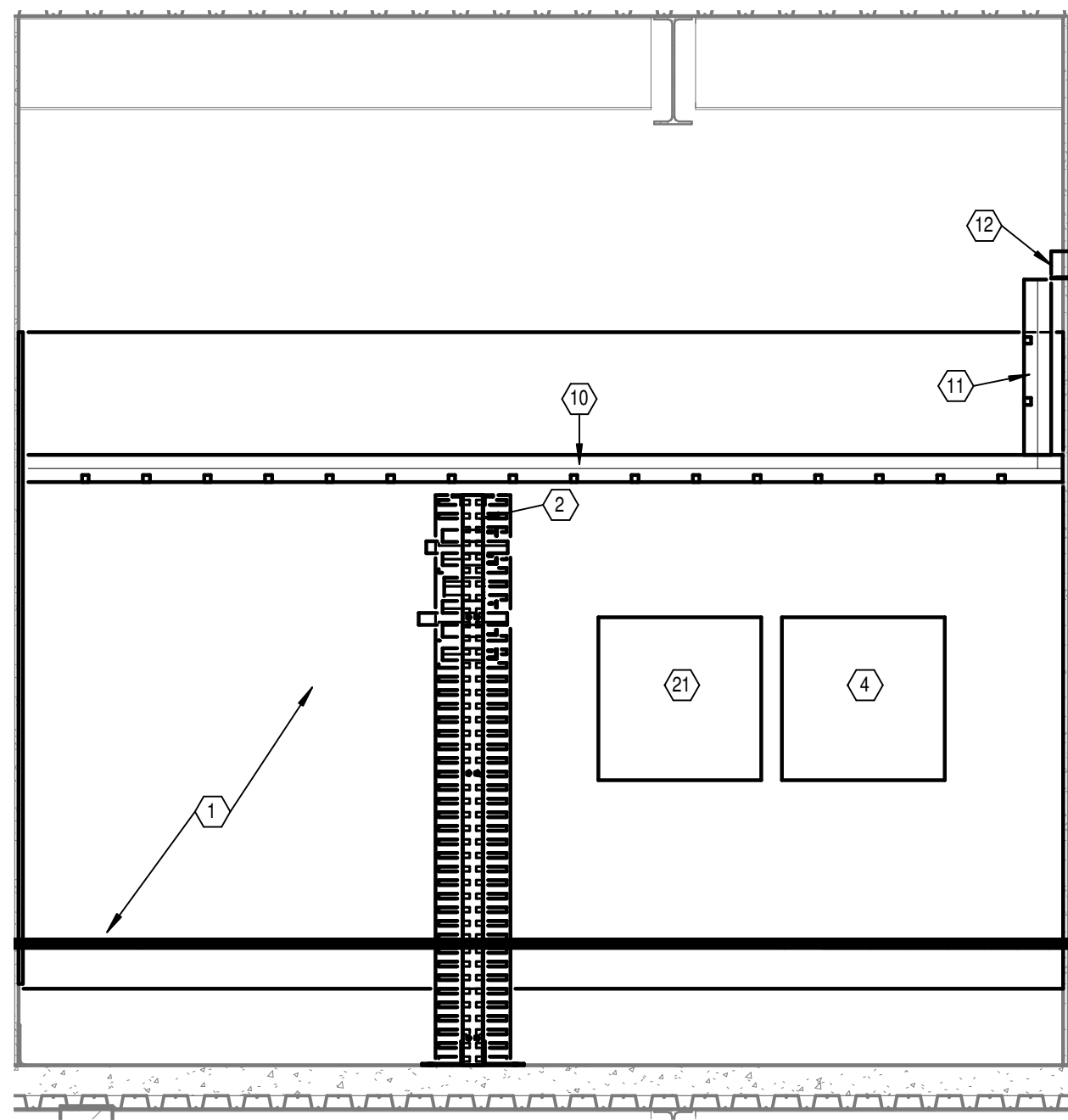
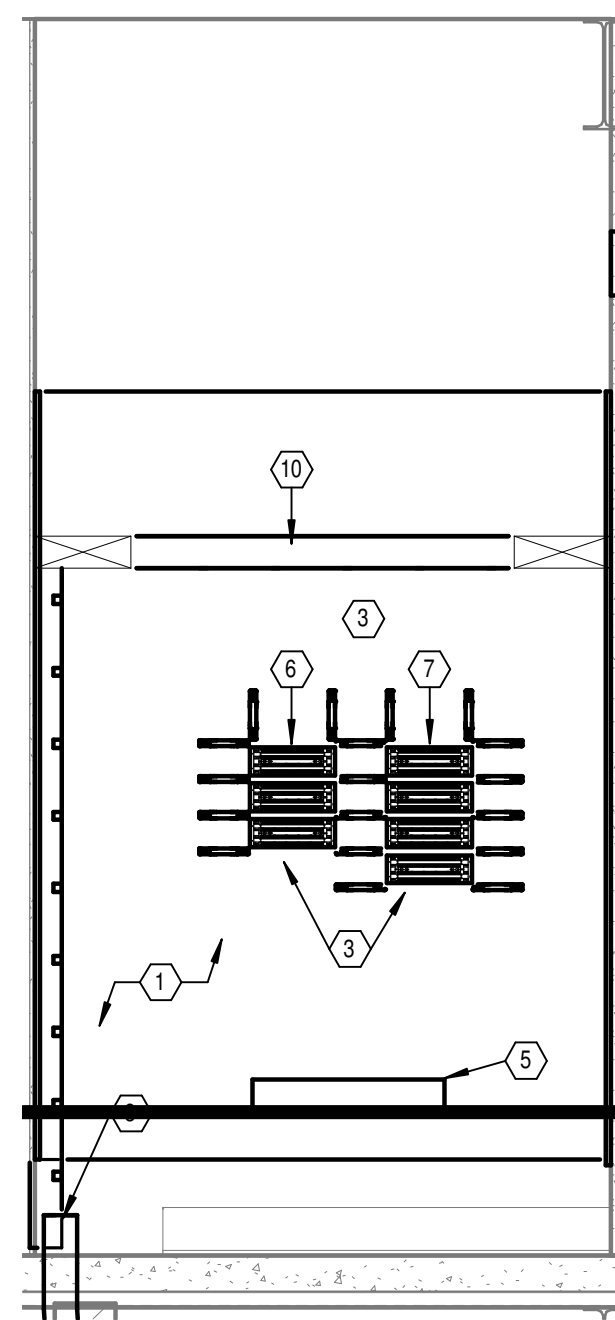
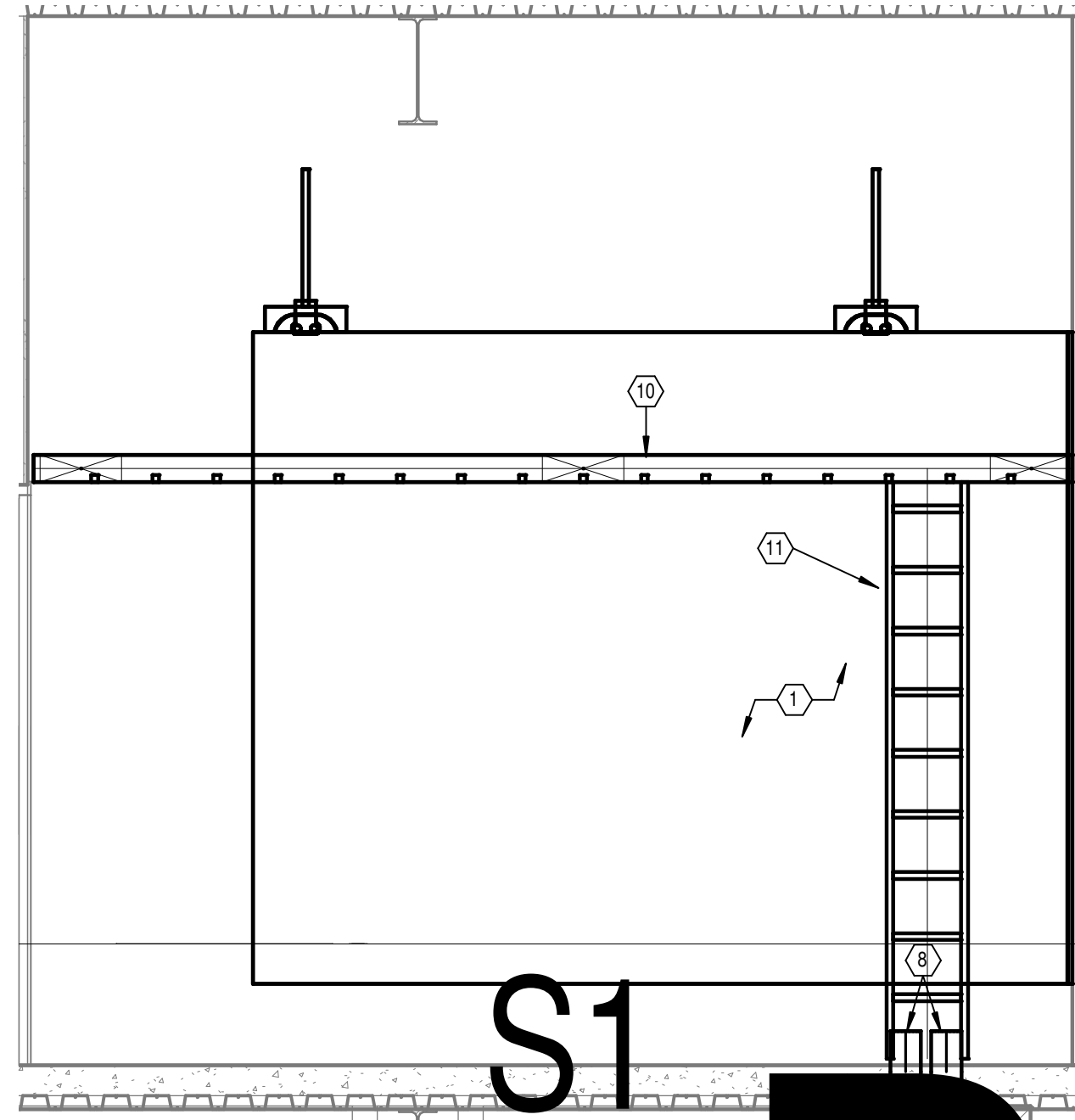


1 VOICE/DATA RISER DIAGRAM

FULLY SPRINKLERED

Revisions 1 AMENDMENT #4 08/19/2014 BID DOCUMENTS 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 RISER DIAGRAM & DETAILS Approved: Project Director		Project Title CLINICAL ADDITION TO BLDG 31 Location Chillicothe, Ohio Date 05/23/2014 Checked KAS Drawn KAS		Project No. VA Project No. 538-108 JPA Project No. 10017.00 Building Number 31 Drawing Number E004 Dwg. 111 of 130		Office of Construction and Facilities Management Department of Veterans Affairs	
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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
three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot



- 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 SPUTTER/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. MH = 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.

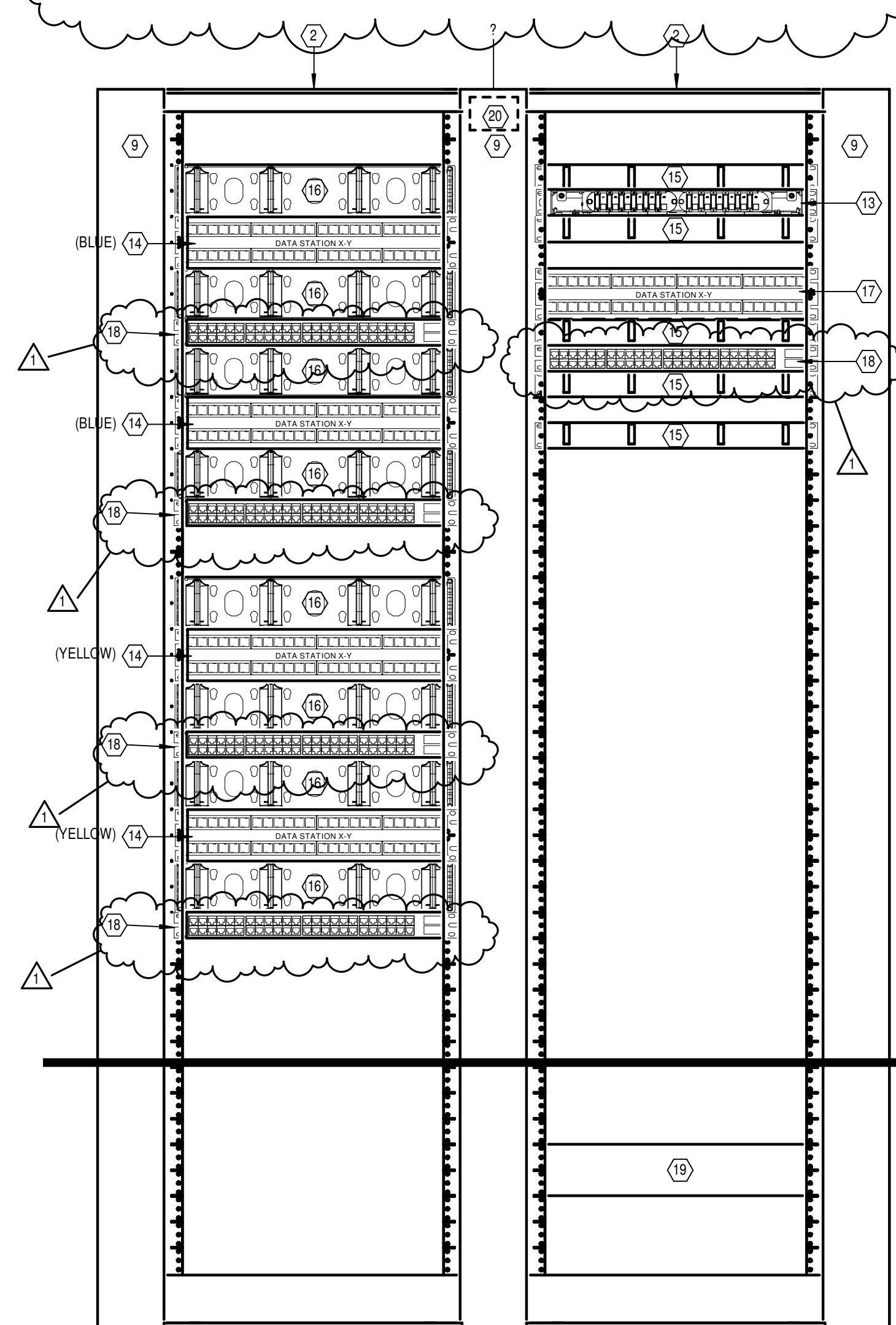
4 SIGNALS G160H - NORTH ELEVATION
Scale: 1/2" = 1'-0"

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

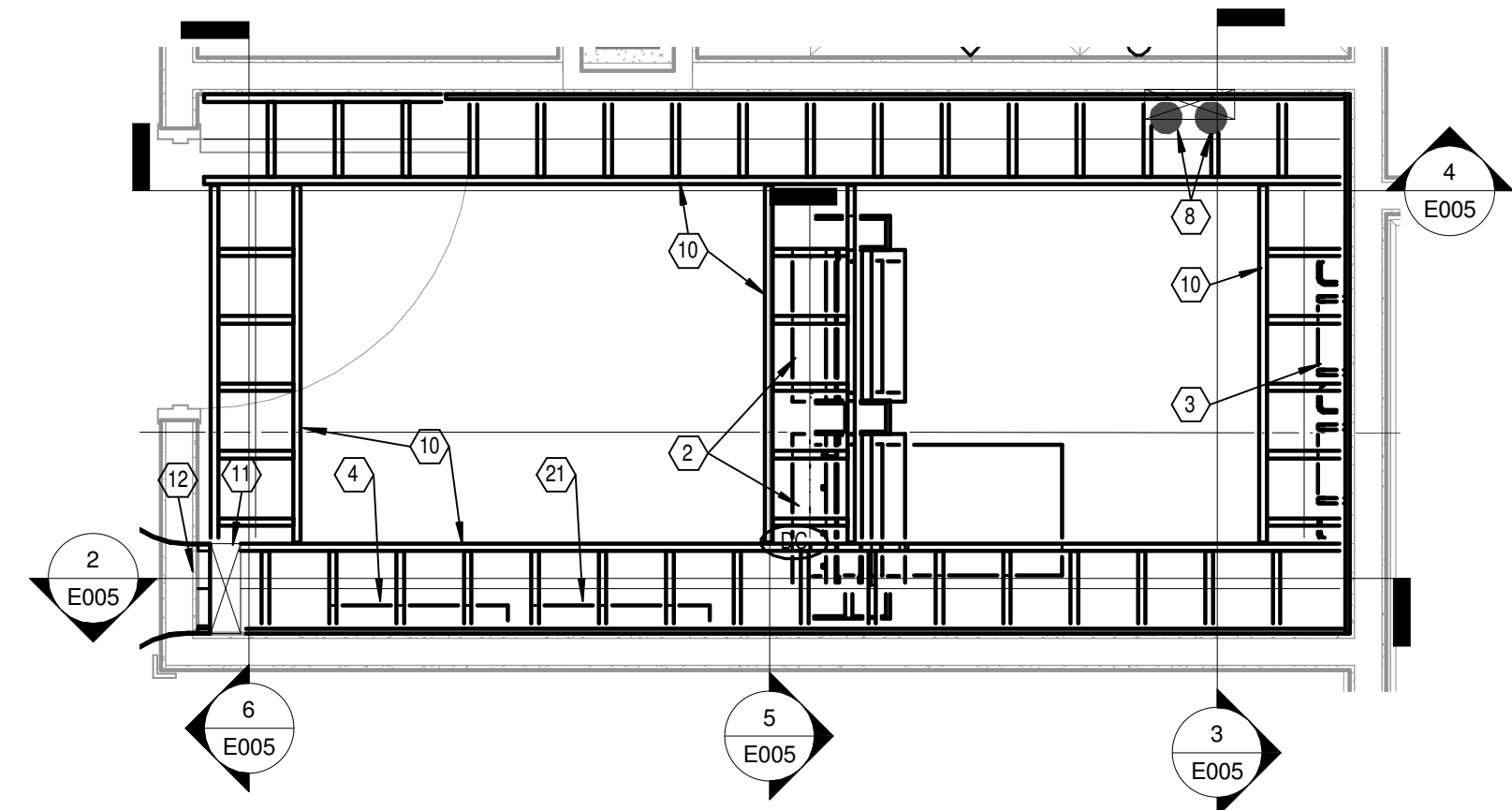
2 SIGNALS G160H - SOUTH ELEVATION
Scale: 1/2" = 1'-0"

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

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"



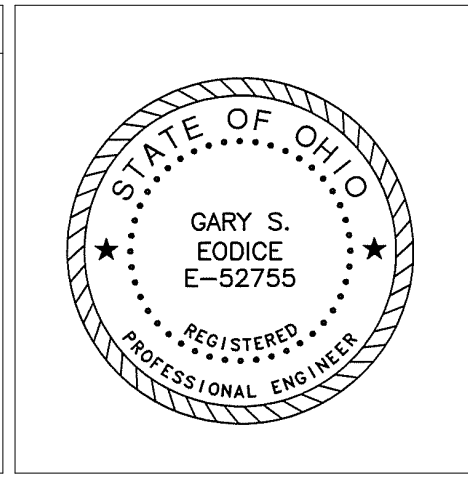
1 SIGNALS G160H
Scale: 1/2" = 1'-0"

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Drawing Title

SIGNALS CLOSET G160H

Approved: Project Director

Project Title

CLINICAL ADDITION TO BLDG 31

Location
Chillicothe, Ohio

Date
05/23/2014

Checked
KAS

Drawn
KAS

Project No.
VA Project No. 538-108
JPA Project No. 10017.00

Building Number
31

Drawing Number
E005

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Office of
Construction
and Facilities
Management

Department of
Veterans Affairs