Department of Veterans Affairs

PROJECT LOCATION:

JESSE BROWN VA MEDICAL CENTER

820 S. DAMEN AVENUE
CHICAGO, ILLINOIS 60612
312.569.8387

PROJECT TITLE:

BIOMED SERVER ROOM

BUILDING NUMBER:

1A

ARCHITECTS + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS

700 NICHOLAS BLVD. SUITE 403
ELK GROVE VILLAGE, ILLINOIS 60007
847.952.9362
www.bancroft-ae.com

PROJECT NUMBERS:

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517
STATION PROJECT NO. 537-13-127
BANCROFT-AE PROJECT NO. 13-105-009

CONSTRUCTION PERIOD STAGING OF WORK

1. THE ANTICIPATED CONSTRUCTION PERIOD OF SERVICES IS TWELVE (12) MONTHS, INCLUDING THE SIX (6) WEEKS FOR ASBESTOS ABATEMENT WORK. NO WORK WILL BE PERFORMED ON SITE DURING THIS ABATEMENT PERIOD OF WORK.

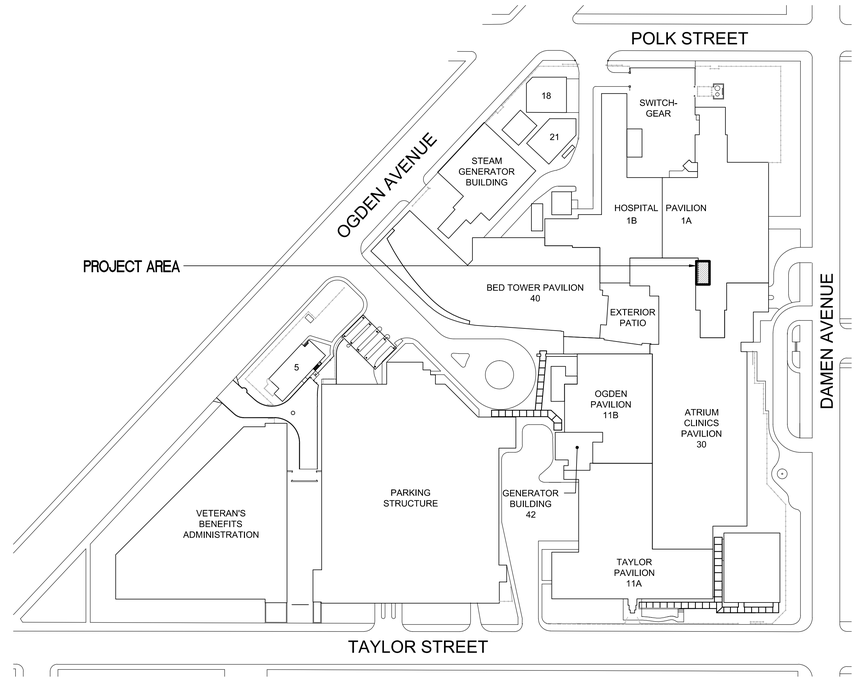
2. CONTRACTORS SHALL REFER TO DIVISION 01 GENERAL REQUIREMENTS OF THE PROJECT MANUAL AND REVIEW THE FOLLOWING SECTIONS IN PARTICULAR AS IT RELATES TO THIS PROJECT:
   A. 01 01 10 / 1 HOUR CONSTRUCTION SMOKE BARRIER
   B. 01 01 10 FSS / FIRE SAFETY SECTION
   C. 01 01 10 IC / INFECTION CONTROL
   D. 01 01 10 SN / SPECIAL NOTES

3. NORMAL WORK SHIFT HOURS FOR JESSE BROWN VA MEDICAL CENTER EMPLOYEES IS 7:00 AM UNTIL 4:30 PM DAILY, MONDAY THROUGH FRIDAY.

4. CERTAIN WORK ITEMS AND CONSTRUCTION ACTIVITIES THAT CREATE NOISE, DUST, VIBRATION AND THAT CREATE DISTURBANCE TO THE MEDICAL CENTER STAFF OR PATIENT CARE SHALL BE PERFORMED DURING OFF-HOURS WORKING PERIODS. ADDITIONALLY OTHER OFF-HOUR ACTIVITIES INCLUDE BUT ARE NOT LIMITED TO WORK ITEMS IN OCCUPIED ROOMS AND SPACES AS LISTED BELOW. THESE OFF-HOUR CONSTRUCTION ACTIVITIES SHALL BE SCHEDULED AS SPECIFIED WITHIN THE PROJECT MANUAL.

5. OFF-HOURS OF OPERATION SHALL BE SCHEDULED FOR THE FOLLOWING DAYS AND TIMES:
   A. MONDAY THROUGH FRIDAY, 5:30 PM UNTIL 6:00 AM.
   B. SATURDAY AND/OR SUNDAY, TIMES TO-BE-DETERMINED WITH THE COR.

6. THE FOLLOWING CONSTRUCTION ACTIVITIES SHALL BE CONSIDERED OFF-HOUR OPERATIONS.
   A. ALL CONCRETE DECK CORE AND DRILLING.
   B. ALL WORK SCHEDULED FOR THE SIXTH, EIGHTH, NINTH AND TENTH FLOOR LEVELS.
   C. ALL WORK SCHEDULED AT CORRIDOR AREAS.
   D. THE APPROVED USE OF POWER ACTUATED FASTENERS
   E. ALL DEMOLITION WORK THAT WILL CAUSE IMPACT NOISE AND VIBRATIONS THAT CAN BE HEARD AND/OR FELT IN THE SURROUNDING FLOORS AND ADJACENT SPACES.



SITE PLAN
NOT TO SCALE

BID ITEM – CONSTRUCTION

REFER TO PROJECT MANUAL, SECTION 01 00 00 GENERAL REQUIREMENTS, 1.3 STATEMENT OF BID ITEM(S) FOR DESCRIPTION OF "BID ITEM 1" AND "BID ITEM 2"

PROJECT SCHEDULING

1. CONTRACTORS SHALL NOTE THAT VA SHALL BE RESPONSIBLE FOR ALL ASBESTOS ABATEMENT ACTIVITIES.

2. CONTRACTORS SHALL NOTE THAT AFTER THE DEMOLITION ACTIVITIES ARE COMPLETE THE PROJECT SITE SHALL BE ISOLATED FOR THE ASBESTOS ABATEMENT REMOVAL SCOPE OF WORK.

3. THE ANTICIPATED ASBESTOS ABATEMENT SCOPE OF WORK IS SIX (6) WEEKS. NO WORK WILL BE PERFORMED ON SITE DURING THIS ABATEMENT PERIOD OF WORK.

4. THE ASSUMED ASBESTOS CONTAINING BUILDING MATERIALS (ACBM) ARE AS FOLLOWS:
   PLUMBING SYSTEMS: COLD AND HOT WATER PIPING
   MECHANICAL SYSTEMS: SYSTEM WATER HEATING PIPING

5. REFER TO PHOTO DOCUMENTATION WITHIN PROJECT MANUAL FOR TYPICAL EXISTING CONDITIONS.

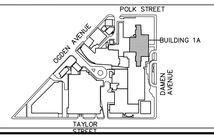
DRAWING INDEX

SHEET NUMBER	PAGE NUMBER	SHEET TITLE
G-000	01	COVER
G-001	02	GENERAL NOTES AND LEGENDS
G-101	03	SEVENTH FLOOR LIFE SAFETY PLAN AND CODE INFORMATION
		STRUCTURAL
S-101	04	PARTIAL SEVENTH AND EIGHTH FLOOR- FRAMING PLANS
S-102	05	FRAMING DETAILS AND SECTIONS
		ARCHITECTURAL
AD-101	06	PARTIAL SIXTH FLOOR – DEMOLITION PLAN
AD-102	07	PARTIAL SEVENTH FLOOR-DEMOLITION FLOOR AND CEILING PLAN
AD-103	08	PARTIAL EIGHTH TO TENTH FLOOR – DEMOLITION PLAN
AD-104	09	PARTIAL EIGHTH TO TENTH FLOOR- DEMOLITION REFLECTED CEILING PLAN
AD-301	10	DEMOLITION BUILDING SECTION + DEMOLITION DETAIL SECTIONS
AD-302	11	CORRIDOR BUILDING SECTION
A-101	12	PARTIAL SEVENTH FLOOR – CONSTRUCTION PLAN
A-102	13	PARTIAL EIGHTH FLOOR TO ROOF DECK – CONSTRUCTION PLAN
A-103	14	PARTIAL SIXTH AND EIGHTH TO TENTH FLOOR – REFLECTED CEILING PLAN
A-104	15	PARTIAL SIXTH AND EIGHTH TO TENTH FLOOR – FURNITURE PLAN
A-301	16	BUILDING SECTION + DETAILS
A-302	17	BUILDING SECTIONS
A-303	18	BUILDING SECTIONS + DETAILS
A-304	19	BUILDING SECTIONS
A-501	20	ARCHITECTURAL DETAILS
A-601	21	DOOR AND FRAME SCHEDULE AND DETAILS
		INTERIORS
I-101	22	PARTIAL SEVENTH FLOOR – INTERIOR FINISH PLAN AND FINISH SCHEDULE
		EQUIPMENT
Q-101	23	PARTIAL SEVENTH FLOOR – CABINET + EQUIPMENT PLAN
		FIRE PROTECTION
FP-101	24	PARTIAL SEVENTH FLOOR – FIRE PROTECTION PLAN
		PLUMBING
PD-101	25	PARTIAL SIXTH FLOOR – PLUMBING DEMOLITION PLAN
PD-102	26	PARTIAL SEVENTH FLOOR – PLUMBING DEMOLITION PLAN
P-101	27	PARTIAL SIXTH FLOOR – PLUMBING PLAN
P-102	28	PARTIAL SEVENTH FLOOR – PLUMBING PLAN
P-301	29	PLUMBING RISER DIAGRAM
		MECHANICAL
MD-101	30	PARTIAL SEVENTH FLOOR – MECHANICAL DEMOLITION PLAN
M-101	31	PARTIAL SEVENTH FLOOR – MECHANICAL PLAN
M-102	32	PARTIAL EIGHTH FLOOR TO ROOF DECK – MECHANICAL PLAN
M-601	33	MECHANICAL DETAILS
M-701	34	MECHANICAL SCHEDULE AND CONTROL DIAGRAM
M-702	35	MECHANICAL SCHEDULE
		ELECTRICAL
ED-101	36	PARTIAL SEVENTH FLOOR – ELECTRICAL DEMOLITION PLAN
E-101	37	PARTIAL SEVENTH FLOOR – ELECTRICAL LIGHTING + POWER PLAN
E-102	38	PARTIAL EIGHTH FLOOR TO ROOF DECK – ELECTRICAL PLAN
E-103	39	PARTIAL SEVENTH AND FIRST FLOOR – TELECOMMUNICATIONS PLAN
E-601	40	PANEL SCHEDULES AND DETAILS
E-602	41	ELECTRICAL RISER DIAGRAM

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015
Revisions:	Date

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS

700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: COVER

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: EM | Drawn: CM + JS

Project Number: 537-13-127

Building Number: 1A

Drawing Number: G-000

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

ISSUED FOR BIDS - NOT FOR CONSTRUCTION

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GRAPHIC SYMBOLS

- DEMOLITION, ARCHITECTURAL AND ELEVATION KEYNOTE
- DOOR NUMBER
- WINDOW TAG
- NORTH ARROW
- WALL SECTION DETAIL NUMBER DRAWING NUMBER
- ELEVATION TAG (ELEVATION +0'-0")
- DETAIL BUBBLE DETAIL NUMBER DRAWING NUMBER
- ROOM TAG ROOM NAME ROOM NUMBER (XXXXX / 1001)

MATERIAL INDICATIONS

- RIGID INSUL.
- CONCRETE
- STEEL
- BATT INSUL.
- SHIM OR NAILER
- WOOD BLOCKING
- METAL STUD
- GYPSUM BOARD SURFACE
- GYPSUM BOARD
- ACOUSTICAL CEILING TILE

PLAN LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- WALL
- AREA NOT IN CONTRACT
- DOOR

ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
AMT	AMOUNT
APPROX	APPROXIMATE
AUTO	AUTOMATIC
AUX	AUXILIARY
AV	AUDIO VISUAL
AVG	AVERAGE
BAT	BATTEN
BD	BOARD
BLDG	BUILDING
BLK	BLOCKING
BM	BEAM
BO	BY OWNER
CEM	CEMENT
CG	CORNER GUARD
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATE
CORR	CORRIDOR
CPT	CARPET
CT	CERAMIC TILE
CTR	CENTER
CTRL	CONTROL
CRU	COMPUTER ROOM UNIT
CRAC	CRITICAL REFRIGERATION AIR CONDITIONING
DAT	DATUM
DBL	DOUBLE
DEG	DEGREE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DN	DOWN
DR	DOOR
DTL	DETAIL
DWG	DRAWING
E	EAST
EA	EACH
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC
ELEV	ELEVATOR
ENCL	ENCLOSURE
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
FA	FIRE ALARM
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF&E	FURNITURE, FIXTURE, AND EQUIPMENT
FHC	FIRE HOSE CABINET
FIG	FIGURE
FIN	FINISH
FIXT	FIXTURE
FL	FLOOR
FO	FACE OF
FP	FIRE PROTECTION OR FIREPROOF
FT	FOOT
FTG	FOOTING
FTR	FIN TUBE RADIATION
FCU	FAN COIL UNIT
GC	GENERAL CONTRACTOR
GL	GLASS
GYP BD	GYPSUM BOARD
HAZ MAT	HAZARDOUS MATERIALS
HDW	HARDWARE
HM	HOLLOW METAL
HT	HEIGHT
INCL	INCLUDED
INSUL	INSULATION
INT	INTERIOR
ILSM	INTERIM LIFE SAFETY MEASURES
JAN	JANITOR
JST	JOIST
JT	JOINT
J-BOX	JUNCTION BOX
JBVAMC	JESSE BROWN VETERAN'S AFFAIRS MEDICAL CENTER
LAM	LAMINATE
LAV	LAVATORY
LED	LIGHT EMITTING DIODE
LF	LINEAR FEET (FOOT)
LL	LEAD LINED
LT	LIGHT
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MLWK	MILLWORK
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
N	NORTH
N/A	NOT APPLICABLE
NAT	NATURAL
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OH	OPPOSITE HAND
OPNG	OPENING
OPT	OPTIONAL
PAT	PATTERN
PB	PULL BOX
PCF	POUNDS PER CUBIC FEET
PF	POWER FACTOR
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER OR PLASTIC
PR	PAIR
PRE	PREFINISHED
PREP	PREPARATION
PROVIDE	FURNISH AND INSTALL
PT	PAINT
PTME	PAINT TO MATCH EXISTING
PTN	PARTITION
PWR	POWER
QT	QUARRY TILE
QTR	QUARTER
QTY	QUANTITY
R	RADIUS
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
REC	RECESSED
RECPT	RECEPTACLE
REINF	REINFORCED
REQD	REQUIRED
RM	ROOM
RO	ROUGH OPENING
S	SOUTH
SAN	SANITARY
SCHED	SCHEDULE
SF	SQUARE FOOT (FEET)
SHT	SHEET
SIM	SIMILAR
SPD	SURGE PROTECTION DEVICE(S)
SPEC	SPECIFICATION
SPKLR	SPRINKLER
SPKR	SPEAKER
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STOR	STORAGE
SUSP	SUSPEND
SV	SHEET VINYL
T&G	TONGUE AND GROOVE
TEMP	TEMPERED
TERR	TERRAZZO
THK	THICK
TO	TOP OF ____
TSTAT	THERMOSTAT
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
U.L.	UNDERWRITERS LABORATORIES
VAR	VARIES
VCT	VINYL COMPOSITION TILE
VENT	VENTILATION
VIF	VERIFY IN FIELD
VOL	VOLUME
VWC	VINYL WALL COVERING
W	WEST
W/	WITH
W/O	WITHOUT
WC	WALL COVERING
WD	WOOD
WG	WALL GUARD
WDW	WINDOW
WWF	WELDED WIRE FABRIC

ELECTRICAL SYMBOL LIST

EPO	EMERGENCY POWER OFF
A.F.F.	ABOVE FINISHED FLOOR
EM	INDICATES FIXTURE CONNECTED TO EMERGENCY SERVICE
GFI	GROUND FAULT INTERRUPTER
GND	GROUND INDICATES GREEN GROUND CONDUCTOR CONNECTED TO EQUIPMENT AND PANEL
NL	NIGHT LIGHT, 24 HOUR OPERATION
U.N.O.	UNLESS NOTED OTHERWISE
$	SINGLE POLE TOGGLE SWITCH, 20 AMPERE RATED, MOUNTED 48" A.F.F. UNLESS NOTED OTHERWISE. SUBSCRIPT: "a" – LOWER CASE LETTER INDICATES SWITCH CONTROL; "3" – DENOTES THREE WAY TOGGLE SWITCH; "D" – DIMMER SWITCH
	DUPLEX RECEPTACLE, 120 VOLT, NEMA 5-20R-20 AMP RATED, 18" A.F.F. UNLESS NOTED OTHERWISE. MOUNTED HORIZONTALLY IN JUNCTION BOX. SUBSCRIPT: "GFI" – DENOTES GROUND FAULT INTERRUPTER TYPE RECEPTACLE
	QUADRAPLEX RECEPTACLE, 120V, NEMA 5-20R-20 AMP RATED MOUNTED 18" A.F.F. UNLESS OTHERWISE NOTED. MOUNTED HORIZONTALLY IN A COMMON JUNCTION BOX.
A	QUADRAPLEX RECEPTACLE, 120V, NEMA 5-20R-20 AMPERE RATED. MOUNTED 6" ABOVE FINISHED COUNTER TOP OR BACK. SPLASH MOUNTED HORIZONTALLY. AT LOCATIONS WHERE THERE IS NO COUNTER TOP RECEPTACLE SHALL BE MOUNTED 42" A.F.F. UNLESS NOTED OTHERWISE.
JB	JUNCTION BOX WALL MOUNTED
JB	JUNCTION BOX WITH FLEXIBLE CONDUIT CONNECTION
	ELECTRICAL PANEL
	FUSED DISCONNECT SWITCH, SIZE AND RATING AS NOTED ON DRAWINGS
	NON-FUSED DISCONNECT SWITCH, SIZE AND RATING AS NOTED ON DRAWING
	DATA OUTLET, CAT6
	EXIT SIGN (DARKEN QUADRANT INDICATES ORIENTATION OF FACE
S	FIRE ALARM MANUAL PULL STATION 48" AFF
SV	FIRE ALARM SPEAKER/STROBE SIGNAL DEVICE, 82" AFF
SP	SPEAKER
	ELECTRICAL DOOR STRIKE
CR	CARD READER
FS	FLOW SWITCH
TS	TAMPER SWITCH
AM	ADDRESSABLE MODULE
SD	SMOKE DETECTOR
HD	HEAT DETECTOR
VS	VACANCY SENSOR
T	THERMOSTAT
B	VARIOUS DEVICES
PB	PUSH BUTTON
	EMERGENCY POWER OFF BUTTON
IC	INTERCOM
PB	PULL BOX

DEMOLITION PLAN LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE REMOVED IN ITS ENTIRETY, INCLUDING WALL SWITCHES, OUTLETS, THERMOSTATS, ETC. PATCH ABUTTING WALLS, FLOORS AND CEILINGS AS REQUIRED. REMOVE EXISTING ITEMS SCHEDULED TO REMAIN AS NECESSARY TO ALLOW THE COMPLETE DEMOLITION OF SELECTED ITEMS. REPAIR/REPLACE EXISTING ITEMS ONCE DEMOLITION IS COMPLETED.
- AREA NOT IN CONTRACT
- EXISTING DOOR
- DOOR TO BE REMOVED
- SWITCH TO BE REMOVED
- RECEPTACLE TO BE REMOVED
- DATA OUTLET TO BE REMOVED

DEMOLITION CEILING PLAN LEGEND

- EXISTING CONSTRUCTION TO BE REMOVED IN ITS ENTIRETY, INCLUDING WALL SWITCHES, OUTLETS, THERMOSTATS, ETC. PATCH ABUTTING WALLS, FLOORS AND CEILINGS AS REQUIRED. REMOVE EXISTING ITEMS SCHEDULED TO REMAIN AS NECESSARY TO ALLOW THE COMPLETE DEMOLITION OF SELECTED ITEMS. REPAIR/REPLACE EXISTING ITEMS ONCE DEMOLITION IS COMPLETED.
- AREA NOT IN CONTRACT
- SMOKE DETECTOR (SD)
- VISUAL ALARM DEVICE (V)
- AUDIO VISUAL ALARM DEVICE (AV)
- DOWNLIGHT
- WIRELESS ACCESS POINT (WAP)
- EXHAUST/RETURN GRILLE
- SUPPLY DIFFUSER
- EXISTING SPRINKLER
- 2'X4' LIGHT FIXTURE

CEILING PLAN LEGEND

- CEILING GRID
- 1' x 4' LENSED LED PENDANT STRIPLIGHT
- 1' x 4' EMERGENCY LENSED LED PENDANT STRIPLIGHT

MECHANICAL LEGEND

- SUPPLY AIR DIFFUSER
- RETURN AIR GRILLE
- EXHAUST FAN AIR GRILLE/REGISTER WITH VOLUME DAMPER
- FIRE DAMPER
- SWR — SYSTEM WATER RETURN
- SWS — SYSTEM WATER SUPPLY
- MANUAL DAMPER
- THERMOSTAT

PLUMBING PLAN LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE REMOVED IN ITS ENTIRETY
- AREA NOT IN CONTRACT
- DEMOLITION POINT
- CONNECTION POINT
- COLD WATER PIPING TO BE REMOVED
- HOT WATER PIPING TO BE REMOVED
- V — VENT PIPING TO BE REMOVED
- W — SANITARY WASTE PIPING
- S — SANITARY PIPING TO BE REMOVED
- COLD WATER PIPING
- HOT WATER PIPING
- V — VENT PIPING TO BE
- S — SANITARY PIPING
- S 1 — SINK
- L 1 — LAV
- W C 1 — WATER CLOSET – FLOOR MOUNT TYPE
- C.O. — CLEAN OUT
- F.D — FLOOR DRAIN ABOVE
- OPEN SITE FLOOR DRAIN
- CHECK VALVE
- SHUT-OFF VALVE
- HWS — HOT WATER SUPPLY
- HWR — HOT WATER RETURN

FIRE PROTECTION LEGEND

- EXISTING FIRE PROTECTION PIPING
- X — X EXISTING FIRE PROTECTION PIPING TO BE REMOVED
- R EXISTING SPRINKLER HEAD TO BE REMOVED
- EXISTING SPRINKLER HEAD TO REMAIN
- SPRINKLER HEAD, CONCEALED
- SPRINKLER HEAD LOCATION
- SIDEWALL SPRINKLER HEAD

DEDUCT ALTERNATE NO. 01 - HVAC SYSTEM REVISIONS

IN LIEU OF THE TWO SEPARATE INDEPENDENT SYSTEMS BEING PROVIDED, DELETE THE CHILLED WATER FAN COIL SYSTEM IN ITS ENTIRETY AND REPLACE THE REMAINING FOUR SINGLE COIL DIRECT EXPANSION (DX) COMPUTER ROOM UNITS WITH AN UPGRADE TO A DUAL COIL UNIT OF THE SAME CAPACITY. EACH DUAL COIL UNIT WILL OPERATE OFF BOTH THE CHILLED WATER HOUSE SYSTEM AND THE CURRENT NEW DIRECT EXPANSION SYSTEM BEING PROVIDED. PROVIDE THE APPROPRIATE ELECTRICAL UPGRADES AND REVISIONS ALONG WITH PROVIDING A NEW CHILLED WATER PIPING SYSTEM FOR CONNECTING THE DUAL COIL UNIT UPGRADE. MODIFY THE CONTROLS SYSTEM TO FUNCTION IN THE SAME WAY AS ORIGINALLY INTENDED, BUT AS NECESSARY TO PROPERLY ADDRESS THE OPERATION OF THE DUAL COIL SYSTEM UPGRADE.

MECHANICAL

PROVIDE, I.E., FURNISH AND INSTALL, ALL OF THE DESCRIBED NECESSARY KEY DESIGN SYSTEM ELEMENTS ALONG WITH ALL REQUIRED ASSOCIATED DEMOLITION, NEW CONSTRUCTION, MATERIALS, LABOR, TESTING, COORDINATION AND WORK EFFORTS INVOLVED WITH PROVIDING COMPLETE AND FULLY FUNCTIONALLY OPERATING SYSTEMS, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING KEY DESIGN ELEMENTS OF WORK:

1. DELETE THE (4) CEILING MOUNTED FAN COIL UNITS FCU-1, 2, 3 & 4 AND ALL RELATED WORK
   - 1.1. MAIN RELATED ITEMS OF WORK CONSIST OF STRUCTURAL SUPPORTS, DUCTWORK, FITTINGS, DIFFUSERS, DAMPERS, CONTROLS SYSTEM, PIPING, FITTINGS, VALVES, PIPE INSULATION, ETC., SEE PLUMBING AND ELECTRICAL DESCRIPTIONS ALONG WITH DETAILS 1-2/M-101, DRAWING M-701
2. DELETE THE (4) NEW FLOOR MOUNTED SINGLE COIL DIRECT EXPANSION COMPUTER ROOM UNITS CRU-1, 2, 3 & 4 AND REPLACE WITH/PROVIDE (4) NEW CRUS WITH DUAL COILS TO UTILIZE BOTH THE EXISTING HOUSE CHILLED WATER SYSTEM AND THE NEW DIRECT EXPANSION COIL SYSTEM, SEE DETAILS 1/M-101, DRAWING M-702
   - 2.1. THE NEW DUAL COIL CRUS ARE TO BE COMPLETE WITH ELECTRIC REHEAT AND HUMIDIFICATION FEATURES IN KEEPING WITH THE ORIGINAL DESIGN INTENT
   - 2.2. THE BASES OF DESIGN FOR THE NEW DUAL COIL CRU EQUIPMENT AND ITS PERFORMANCE CRITERIA SHALL BE BASED ON THE ORIGINAL LIEBERT CRU AS INCLUDED IN THE ORIGINAL BASE BID, S SPECIFIED
   - 2.3. THE VA APPROVED EQUIVALENT OPTIONAL MANUFACTURERS ARE APC AND STULZ, BUT AS SUCH THEIR EQUIPMENT IS SUBJECT TO FULL COMPLIANCE WITH THE "BASIS OF DESIGN COMPLIANCE" CRITERIA DELINEATED IN SPECIAL NOTE #4 ON DRAWING M-701
   - 2.4. PROVIDE BACK DRAFT DAMPERS IN EACH OF THE (4) MAIN SUPPLY DUCTS FROM THE CRUS
3. PROVIDE (2) NEW 2" CHILLED WATER SUPPLY BRANCH MAINS AND CHILLED WATER RETURN MAINS TO SERVE EACH PAIR OF (2) CRUS
   - 3.1. (1) 2" TAP TO SERVE CRU-1 & CRU-2 AT THE SOUTH END OF THE SERVER ROOM
   - 3.2. (1) 2" TAP TO SERVE CRU-3 & CRU-4 AT THE NORTH END OF THE SERVER ROOM
4. PROVIDE 1 ½" CHILLED WATER EQUIPMENT SUPPLIES AND CHILLED WATER RETURNS TO EACH INDIVIDUAL CRU FROM THE 2" BRANCH MAINS AND RETURNS
   - 4.1. PROVIDE ALL ASSOCIATED VALVES, FITTINGS, HEADER ASSEMBLIES, PIPE INSULATION, SUPPORT SYSTEMS, ETC., SEE DETAIL 9/M-601(SIMILAR)
5. REWORK CONTROLS SYSTEM TO ALLOW CRU TO OPERATE ON THE HOUSE CHILLED WATER SYSTEM WHEN FLOW IS SENSED
   - 5.1. PROVIDE EACH OF THE (4) NEW CRUS WITH AN INTEGRATED TWO-WAY CONTROL VALVE
6. CHILLED WATER COIL TOTAL COOLING CAPACITY TO BE 67.7 MBH WITH A SENSIBLE CAPACITY OF 65.8 MBH AND WITH THE WATER PRESSURE THRU THE COIL NOT EXCEEDING 10.7 FOOT
7. PROVIDE A NEW SUSPENDED COMMON DUCT PLENUM SIZED APPROXIMATELY 60X18 INSTALLED TIGHT TO THE STRUCTURE ABOVE AND TO THE FACE OF COLUMN H-6 ENCLOSURE
   - 7.1. LOCATE ON THE HOT DECK/EAST SIDE OF THE EQUIPMENT CABINETS, RUNNING THEIR LENGTH OF APPROXIMATELY 28.0 FOOT, FINAL LENGTH TO BE ADJUSTED IN SHOP DRAWING REVIEWS
   - 7.2. PROVIDE (4) SUPPLY RUN-OUT DUCTS, WITH BALANCING DAMPERS, TO THE COLD DECK/WEST SIDE OF THE EQUIPMENT RACK AND TERMINATE WITH (4) DOUBLE DEFLECTION SUPPLY GRILLES
     - 7.2.1. EQUALLY SPACED ALONG THE RACKS LENGTH
     - 7.2.2. GRILLS AND DUCT RUN-OUTS SIZES TO HANDLE 2,625 CFM EACH
     - 7.2.3. GRILLS TO BE POINTED DOWN SIMILAR TO 1/M101 AND CENTERED BETWEEN EXTERIOR WALL FACE AND COLD DECK SIDE FACE OF CABINET
8. PROVIDE (4) MAIN SUPPLY DUCTS, SIZED APPROXIMATELY 28X14 TO ACCOMMODATE THE UNITS MAXIMUM CFM OUTPUT, SEE DETAILS DRAWING M-702
   - 8.1. CONNECT EACH SEPARATELY FROM THE TOP OF THE NEW CRUS TO THE NEW SUSPENDED COMMON DUCT PLENUM

PLUMBING

PROVIDE, I.E., FURNISH AND INSTALL, ALL OF THE DESCRIBED NECESSARY KEY DESIGN SYSTEM ELEMENTS ALONG WITH ALL REQUIRED ASSOCIATED DEMOLITION, NEW CONSTRUCTION, MATERIALS, LABOR, TESTING, COORDINATION AND WORK EFFORTS INVOLVED WITH PROVIDING COMPLETE AND FULLY FUNCTIONALLY OPERATING SYSTEMS, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING KEY DESIGN ELEMENTS OF WORK:

1. AT COLUMN H-6, DELETE PROVIDING THE NEW FLOOR DRAIN AND FCU CONDENSATE DRAINAGE SYSTEM IN THE BASE BID, SEE DETAILS 2/P-101, 2/P-102 & 6-7/P-301
   - 1.1. MAIN ITEMS OF WORK CONSIST OF (1) NEW FLOOR DRAIN WITH TRAP PREMIER, DOMESTIC COLD WATER SUPPLY, SANITARY AND VENT PIPING, CONDENSATE DRAIN LINES, DRIP PANS, FITTINGS, VALVES, PIPE INSULATION, ETC.
2. DELETE ALL NEW DOMESTIC COLD WATER SUPPLY RUN-OUT CONNECTIONS FOR THE (4) FCUS, CONNECTED TO THE NEW COLD WATER BRANCH MAIN, SEE DETAIL 2/P-102
   - 2.1. MAIN ITEMS OF WORK CONSIST OF THE DOMESTIC COLD WATER SUPPLY PIPING, FITTINGS, VALVES, PIPE INSULATION, ETC

ELECTRICAL

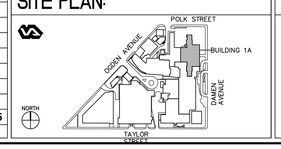
DELETE ALL OF THE DESCRIBED NECESSARY KEY DESIGN SYSTEM ELEMENTS ALONG WITH ALL REQUIRED ASSOCIATED DEMOLITION, NEW CONSTRUCTION, MATERIALS, LABOR, TESTING, COORDINATION AND WORK EFFORTS INVOLVED WITH PROVIDING COMPLETE AND FULLY FUNCTIONALLY OPERATING SYSTEMS IN THE BASE BID, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING KEY DESIGN ELEMENTS OF WORK:

1. DELETE ALL NEW ELECTRICAL POWER CONNECTION WORK ASSOCIATED WITH PROVIDING THE SERVICE CONNECTIONS FOR THE (4) FCUS FROM THE NEW POWER PANEL EQ-7433. THE FOLLOWING ARE THE MAIN KEY ELEMENTS OF WORK:
   - 1.1. (4) 60A DISCONNECT SWITCHES, SEE DETAIL 4/E-101
   - 1.2. (4) BRANCH CIRCUIT RACEWAYS CONSISTING OF CONDUITS, JUNCTION BOXES, FITTINGS AND SUPPORT STRUCTURE, SEE DETAIL 2/E-101
   - 1.3. (4) BRANCH CIRCUIT WIRING CONSISTING OF (3) #4 & (1) #10 GND, SEE DETAIL 2/E-101
   - 1.4. (4) 3 POLE 60AMP CIRCUIT BREAKERS, SEE PANEL SCHEDULE 1/E-601
   - 1.5. (4) CONDENSATE PAN WATER DETECTION SENSOR WIRE TAPE CIRCUITS, SEE DETAIL 4/E-101

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

Revisions	Date
ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: GENERAL NOTES AND LEGENDS	Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM	Project Number: 537-13-127	Office of Construction and Facilities Management
Approved: Project Director	Location: CHICAGO, ILLINOIS	Building Number: 1A	
	Date: 12/03/2015 · Checked: EM · Drawn: CM + JS	Drawing Number: G-001	Department of Veterans Affairs

VA FORM 08-6231

ISSUED FOR BIDS - NOT FOR CONSTRUCTION

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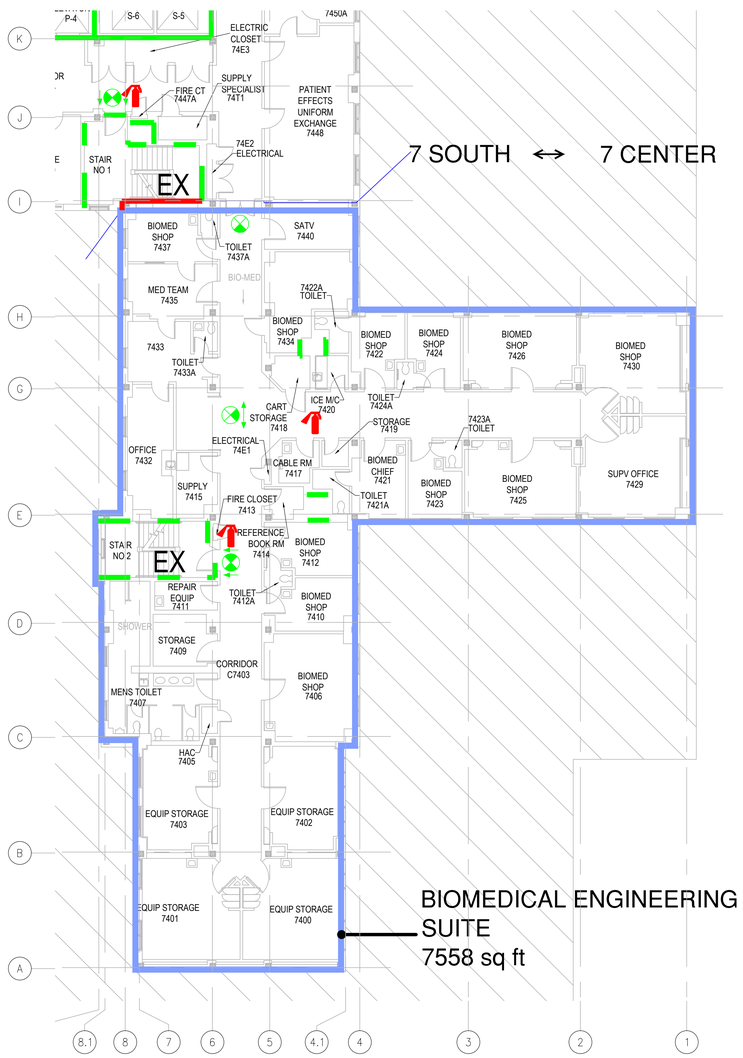
INTERIM LIFE SAFETY MEASURES - ILSM

1. CONTRACTOR SHALL REVIEW THE FOLLOWING SECTIONS WITHIN THE PROJECT MANUAL FOR A FULL WRITTEN DESCRIPTION OF INTERIM LIFE SAFETY MEASURES. SECTION 01 01 10 – 1HR, 1 HOUR CONSTRUCTION SMOKE BARRIER HOUR, SECTION 01 01 10 – FSS, FIRE SAFETY SECTION, SECTION 01 01 10 – IC, INFECTION CONTROL AND SECTION 01 01 10 – SN, SPECIAL NOTES.
2. CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY HEAT DETECTORS WHERE INDICATED ON DRAWINGS. CONNECT INTO EXISTING FIRE ALARM SYSTEM IN RESPECTIVE BUILDING AREA/ZONE. CONTRACTOR SHALL CONSULT WITH VA FIRE ALARM CONTROL COMPANY AND PERFORM CERTIFICATION TESTING THAT TEMPORARY DEVICES ARE IN OPERATION. SUBMIT WRITTEN CERTIFICATION TESTING REPORT TO THE COR. AT PROJECT COMPLETION PHASE CONTRACTOR SHALL REMOVE TEMPORARY HEAT DETECTORS AND RESPECTIVE FIRE ALARM WRING AND CONDUITS.
3. ONCE TEMPORARY CONSTRUCTION/SMOKE BARRIERS AND HEAT DETECTORS ARE IN PLACE THEN THE VA WILL DRAIN THE FIRE PROTECTION/SPRINKLER ZONE FOR OUR PROJECT AREA/SPACE. CONTRACTOR SHALL ASSIST THE OWNER WITH THIS OPERATION AND SCOPE OF WORK.
4. CONTRACTOR SHALL THEN REMOVE FIRE PROTECTION BRANCH PIPING FROM THE MAIN SPRINKLER LINE. PROVIDE CAPS/PLUGS AT RESPECTIVE BRANCH POINTS OFF THE MAINS. NOTE THAT THE EXISTING FIRE PROTECTION/SPRINKLER PIPE MATERIAL IS MAINLY CONSTRUCTED OF PVC MATERIAL. THERE ARE A FEW LOCATIONS WHERE THE SPRINKLER PIPING IS STEEL MATERIAL. AFTER CAPS/PLUGS HAVE BEEN INSTALLED THEN THE VA WILL REFILL FIRE PROTECTION SYSTEM WITH WATER. CONTRACTOR SHALL INSPECT ALL CAP/PLUG LOCATIONS TO ASSURE A WATERTIGHT CONDITION AND MAKE ANY CORRECTIONS AS NECESSARY. REFER TO FIRE PROTECTION DRAWING FP-101 FOR EXTENT OF WORK.
5. AT PROJECT COMPLETION PHASE OF WORK THE VA WILL DRAIN THE FIRE PROTECTION/SPRINKLER SYSTEM FOR THE INSTALLATION OF THE RESPECTIVE BRANCH PIPING. ONCE BRANCH PIPING CONNECTIONS HAVE BEEN MADE THEN THE FIRE PROTECTION SYSTEM WILL BE REFILLED WITH WATER.



NORTH

1 PARTIAL SEVENTH FLOOR - INTERIM LIFE SAFETY PLAN
3/32"=1'-0"

ILSM LEGEND

(D) HEAT DETECTOR

PARTITION LEGEND

- NON-FIRE RATED PARTITION
- SMOKE RESISTIVE HAZARDOUS ENCLOSURE
- 30 MINUTE SMOKE BARRIER
- 1 HOUR FIRE BARRIER
- 1 HOUR FIRE/SMOKE BARRIER
- 2 HOUR FIRE BARRIER
- 2 HOUR FIRE/SMOKE BARRIER
- SUITE DESIGNATIONS

SYMBOLS LIST

- HE HORIZONTAL EXIT PASSAGEWAY
- EX EXIT
- EP EXIT PASSAGEWAY
- LC LINEN CHUTE
- TC TRASH CHUTE
- AREA OPEN TO CORRIDOR – WITH SMOKE DETECTION
- AREA OPEN TO CORRIDOR – NO SMOKE DETECTION REQUIRED
- FIRE EXTINGUISHER
- EXIT SIGN

ARCHITECTURAL BARRIERS ACT (ABA) COMPLIANCE

PER CBC CHAPTER 18-11-1117.3.4 AND ICC/ANSI-A117.1- 2009 THE FOLLOWING COMPLY FULLY:

1. ACCESSIBLE MAIN ENTRY
2. ACCESSIBLE ROUTE FROM ENTRY TO ELEVATOR LOBBY & ACCESSIBLE ELEVATOR TO ALL FLOORS
3. ACCESSIBLE MEN'S AND WOMEN'S TOILET ROOMS.
4. ACCESSIBLE HI-LO DRINKING FOUNTAINS LOCATED IN BUILDING 1A.
5. ALL CONTROLS AND OPERABLE PARTS FULLY COMPLY AND ARE BETWEEN 15" AND 48".
6. ALL SIGNAGE COMPLIES – IS OF BRAILLE AND TACTILE AND IS LOCATED ON THE DOOR HANDLE SIDE OF DOOR. INSTALLED AT APPROPRIATE HEIGHT AND DISTANCE FROM DOOR FRAME.

APPLICABLE CODES + STANDARDS

ALL WORK SHALL COMPLY WITH THE FOLLOWING CODES;

1. VA DIRECTIVES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA NATIONAL CAD STANDARD APPLICATION GUIDE, AND OTHER GUIDANCE ON THE TECHNICAL INFORMATION LIBRARY (TIL) (HTTP://WWW.CFM.VA.GOV/TIL/).
2. INTERNATIONAL BUILDING CODE (IBC) 2015
3. NFPA 101 LIFE SAFETY CODE 2015
4. NFPA NATIONAL FIRE CODES WITH THE EXCEPTION OF NFPA 5000 AND NFPA 900
5. OCCUPATIONAL, SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS.
6. VA SEISMIC DESIGN REQUIREMENTS, H-18-8
7. NATIONAL ELECTRICAL CODE (NEC) 2014
8. NATIONAL STANDARD PLUMBING CODE (NSPC) 2015
9. ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARDS (ABAAS) INCLUDING VA SUPPLEMENT, BARRIER FREE DESIGN GUIDE (PG-18-13)

NORTH

2 PARTIAL SEVENTH FLOOR - LIFE SAFETY PLAN
3/32"=1'-0"

PROJECT INFORMATION

GENERAL BUILDING INFORMATION

1. CONSTRUCTION CLASSIFICATION: TYPE II
2. AUTOMATIC FIRE SUPPRESSION: ALL AREAS IN ACCORDANCE WITH NFPA 13
3. HEALTHCARE HOSPITAL: 181.2.1
4. OCCUPANCIES CLASSIFICATION: IBC GROUP I, DIVISION 1.1 OCCUPANCY

LIFE SAFETY PLAN LEGEND

- INDICATES EGRESS DIRECTION
- XX' INDICATES TRAVEL DISTANCE
- AREA NOT IN CONTRACT

BUILDING DATA

BUILDING	BUILDING FULLY SPRINNKED	
USE/OCCUPANCY (FIRE AREA)	AMBULATORY HEALTH CARE	
APPLICABLE CODE	IBC, 2015	NFPA 101, 2015
USE GROUP	I-1.1; INSTITUTIONAL	CH.18; NEW HEALTHCARE
	2-HOUR AREA SEPARATION PARTITION	2-HOUR AREA SEPARATION PARTITION
CONSTRUCTION TYPE	TYPE I-F.R.	TYPE I (332)
ALLOWABLE HEIGHT	UNLIMITED	NOT LIMITED
AUTOMATIC SPRINKLER INCREASE	(308.2.1)	
MAXIMUM ALLOWABLE HEIGHT	UNLIMITED	NOT LIMITED
ALLOWABLE AREA	UNLIMITED	NOT LIMITED
MULTI-STORY AREA INCREASE		
100% ALLOWABLE TABULAR AREA		
STREET FRONTAGE		
100% AUTOMATIC SPRINKLER		
MAXIMUM ALLOWABLE AREA (S.F./FLR.)	UNLIMITED	
MAXIMUM ALLOWABLE AREA (S.F./TOTAL BLDG.)	UNLIMITED	NOT LIMITED
ACTUAL HEIGHT	4 ST. / 8'-4"	
ACTUAL AREA (BUILDING FOOTPRINT)(1st FLOOR)	103,695.8 SF	

HAZARDOUS AREA SEPARATION PROTECTION

APPLICABLE CODE	IBC, 2015	NFPA 101, 2015	NFPA 99, 2015
ANESTHETIZING LOCATIONS		REFER TO NFPA 99	1-HOUR
BOILER AND FUEL - FIRED EQUIPMENT	1-HOUR (302.5)	1-HOUR	1-HOUR, NOTE 1
COOKING FACILITIES		REFER TO NFPA 96	
GIFT SHOP - NOT HAZARDOUS < 500 SF		0-HOUR, NOTE 1	
GIFT SHOP - HAZARDOUS		1-HOUR, NOTE 1	
LABORATORIES USING FLAMMABLES	1-HOUR	1-HOUR, NOTE 1	1-HOUR, NOTE 1
- NOT SEVERE		REFER TO NFPA 99	1-HOUR
LABORATORIES USING FLAMMABLES	1-HOUR	1-HOUR	1-HOUR, NOTE 1
- SEVERE		1-HOUR, NOTE 1	
LAUNDRIES > 100 SF		REFER TO NFPA 99	1-HOUR
LOCKER ROOMS	1-HOUR	1-HOUR	1-HOUR, NOTE 1
MEDICAL GAS ROOMS / STORAGE ROOMS	1-HOUR	1-HOUR	1-HOUR, NOTE 1
PAINT SHOP - NOT SEVERE		1-HOUR, NOTE 1	1-HOUR
PHYSICAL PLANT MAINTENANCE SHOP	1-HOUR	1-HOUR	1-HOUR, NOTE 1
REPAIR AND HANDICRAFT SHOP		1-HOUR, NOTE 1	1-HOUR, NOTE 1
SOILED LINEN ROOMS	1-HOUR	1-HOUR	1-HOUR, NOTE 1
STORAGE ROOMS > 50 SF < 100 SF	1-HOUR	1-HOUR	1-HOUR, NOTE 1
STORAGE ROOMS > 100 SF			
TRASH COLLECTION ROOMS			

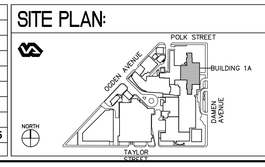
FIRE RESISTIVE RATINGS (MOST RESTRICTIVE APPLIES)

BUILDING	BUILDING FULLY SPRINKLED	
USE/OCCUPANCY (FIRE AREA)	AMBULATORY HEALTH CARE	
APPLICABLE CODE	IBC, 2015	NFPA 101, 2015
AUTOMATIC SPRINKLER SYSTEM REQUIREMENT	YES	YES
STANDPIPE SYSTEM REQUIREMENT	CLASS II	-
EXTERIOR BEARING WALLS (N.A.)	4-HOUR	
SUPPORTING MORE THAN ONE FLOOR	-	3-HOUR
SUPPORTING ONE FLOOR ONLY	-	3-HOUR
SUPPORTING ROOF ONLY	-	3-HOUR
INTERIOR BEARING WALL (N.A.)	2-HOUR	
SUPPORTING MORE THAN ONE FLOOR	-	3-HOUR
SUPPORTING ONE FLOOR ONLY	-	2-HOUR
SUPPORTING ROOF ONLY	-	2-HOUR
COLUMNS, BEAMS, GIRDERS, TRUSSES	3-HOUR	
SUPPORTING MORE THAN ONE FLOOR	-	3-HOUR
SUPPORTING ONE FLOOR ONLY	-	2-HOUR
SUPPORTING ROOF ONLY	-	2-HOUR
FLOOR CONSTRUCTION	2-HOUR	2-HOUR
ROOF CONSTRUCTION	2-HOUR	1.5-HOUR
EXTERIOR NON-BEARING WALLS		
< 5 FEET	1-HOUR	
< 10 FEET	1-HOUR	
<= 30 FEET	1-HOUR	
> 30 FEET	0-HOUR (>40ft. SEP.)	0-HOUR (SEP. DIST.)
HORIZONTAL EXIT	2-HOUR	2-HOUR
FIRE WALLS / PARTY WALLS	2-HOUR	-
FIRE SEPARATION ASSEMBLIES		
EXITS AND SHAFTS <4 STORIES	2-HOUR, NOTE 1	1-HOUR
EXITS AND SHAFTS => 4 STORIES	2-HOUR, NOTE 1	2-HOUR
MIXED USE AND OTHER SEPARATIONS	4-HOUR	2-HOUR
PARTITIONS; PERMANENT	1-HOUR, (Non-Comb.)	-
FIRE PARTITIONS; CORRIDORS		
WITH AUTOMATIC SPRINKLER SYSTEM	0-HOUR SMOKE TIGHT	0-HOUR SMOKE TIGHT
DOORS	0-HOUR	0-HOUR
SMOKE BARRIER (PARTITION)	1-HOUR	1-HOUR
SMOKE COMPARTMENT SIZE	22,500 SF / 150' MAX.	22,500 SF/200' TR.
DOORS	45-MIN	45-MIN
TRAVEL DISTANCE TO EXIT		
FROM ROOM DOOR TO EXIT	-	150'
FROM ANYWHERE IN ROOM TO EXIT	200'	200'
INCREASE WITH AUTOMATIC SPRINKLER SYSTEM	50'	INCLUDED
WITHIN A SUITE OF ROOMS TO EXIT DOOR	-	100'

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015
Revisions:	Date

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: SEVENTH FLOOR LIFE SAFETY PLAN AND CODE INFORMATION

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: EM | Drawn: CM + JS

Project Number: 537-13-127

Building Number: 1A

Drawing Number: G-101

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

ISSUED FOR BIDS - NOT FOR CONSTRUCTION

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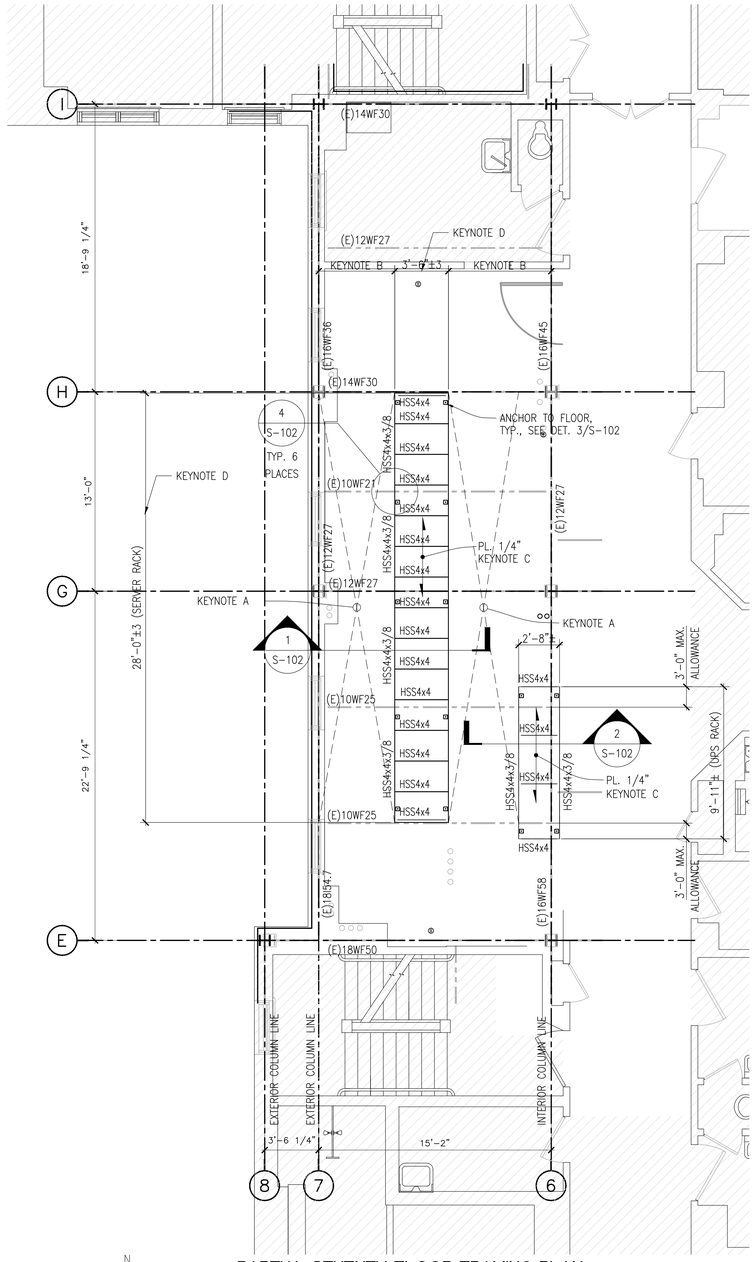
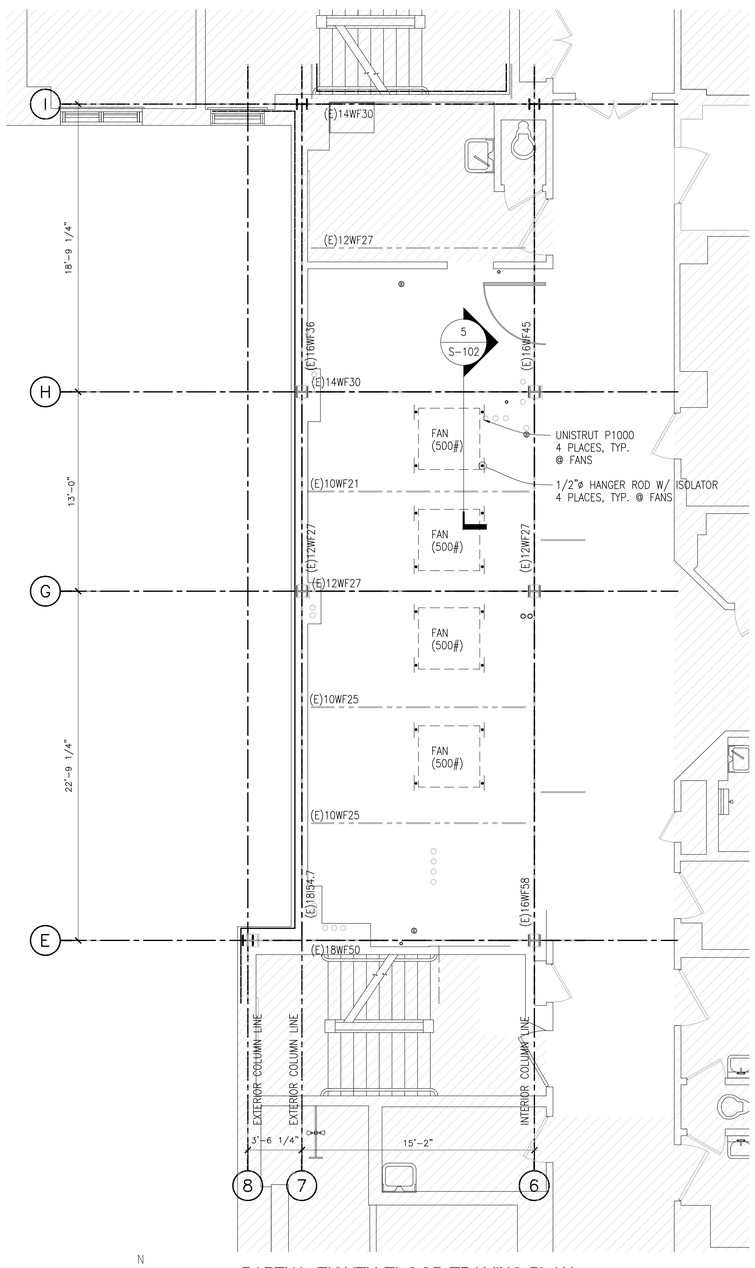


PARTIAL SEVENTH FLOOR FRAMING PLAN

1/4"=1'-0"



PARTIAL EIGHTH FLOOR FRAMING PLAN

1/4"=1'-0"

DRAWING S-101 KEYNOTES:

A) FLOOR LINE LOAD TO BE LIMITED TO 50 psf. PLACE PLACARD DENOTING 50 psf, SEE ARCHITECTURAL DRAWINGS.

B) COMPLY WITH EQUIPMENT LAYOUT AS SHOWN ON DRAWINGS A-101 & Q-101

C) PROVIDE STL. PL. 1/4" FASTEN TO ALL SUPPORTS WITH COUNTERSUNK #12 SELF-DRILLING SCREWS @ 12" O.C.

D) ALLOW FOR THIS DIMENSION TO VARY BY (+/-) 3" DUE TO THE ACTUAL EQUIPMENT BEING PROVIDED BY THE VA. COORDINATE THE FINAL REQUIRED SIZE WITH THE COR PRIOR TO THE SHOP DRAWING SUBMITTAL.

1.0 STRUCTURAL GENERAL NOTES

1.1 BUILDING CODE IBC 2015

RISK CATEGORY III
BUILDING ALTERATION – IBC CHAPTER 3404

1.2 STRUCTURAL LOADING DATA – TENANT STRUCTURAL IMPROVEMENTS

FLOOR LOAD
DEAD LOAD 80 psf
LIVE LOAD 100 psf (UN)
LIVE LOAD ADJACENT TO RACKS 50 PSF (POST LOADING PLACARD)

RACK 42U SMART RACK BY TRIPP LITE 14 – 24"X42" UNITS
MAXIMUM LOAD PER 24"X42" UNIT – 1,100 LBS

UPS RACK
UPS (32"X19") 640 LBS
IDC (32"X36") – 1,350 LB
IBC (32"X43") – 2994 LBS

1.3 GENERAL

1.3.1 THE STRUCTURAL FRAMING INDICATED ON THE FOLLOWING STRUCTURAL DOCUMENTS ARE TENANT IMPROVEMENTS (ALTERATIONS) TO AN EXISTING STRUCTURE. STRUCTURAL IMPROVEMENTS ARE DESIGNED IN ACCORDANCE WITH THE BUILDING CODE NOTED ABOVE AND SECTION 3404 OF IBC 2015.
1.3.2 ALL EXISTING FRAMING SHOWN IS BASED ON THE ORIGINAL STRUCTURAL DESIGN DRAWINGS DATED 1949..
1.3.3 THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL EXISTING CONDITIONS INCLUDING ALL DIMENSIONS AND ELEVATIONS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE COR OF ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE DESIGN DOCUMENTS. THE STRUCTURAL DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, THE CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL AND ARCHITECTURAL DRAWINGS AND WITH THE MECHANICAL CONTRACTOR, THE LOCATION OF ALL MECHANICAL EQUIPMENT.
1.3.4 THE CONTRACTOR SHALL NOTIFY COR IF THE WEIGHT OF MECHANICAL UNITS ETC. ARE DIFFERENT FROM THE WEIGHTS POSTED ON THE DESIGN DRAWINGS. DISCREPANCIES SHALL BE RESOLVED BEFORE PROCEEDING WITH CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY COR IMMEDIATELY OF ANY DISCREPANCIES.
1.3.5 THE CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND MAKE NECESSARY INVESTIGATIONS AND FIELD MEASUREMENTS.
1.3.6 DO NOT SCALE DRAWINGS.
1.3.7 THE A/E AND STRUCTURAL ENGINEER HAS NO SUPERVISORY RESPONSIBLITY, HAS NO CONTROL OF OR RESPONSIBLITY FOR THE MEANS, METHODS, TECHNIQUES, PROCEDURES OR SEQUENCE OF CONSTRUCTION, HAS NO RESPONSIBILITY FOR THE FAILURE OF ANY CONTRACTOR TO PERFORM THE WORK IN ACCORDANCE WITH THE DESIGN DOCUMENTS AND NO RESPONSIBILITY TO DEVISE, IMPLEMENT OR ENFORCE ANY SAFETY PRECAUTIONS OR PROGRAMS FOR THE PROJECT.

2.0 STRUCTURAL STEEL

2.1 GENERAL
2.1.1 ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE AISC "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS" 2014, "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" 2004, "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES," 2005 AND AWS D1.1 2004.
2.1.2 THE PROVISIONS OF THE ALLOWABLE STRENGTH DESIGN METHOD (ASD) WAS USED AS A BASIS FOR DESIGN.
2.1.3 THE CONTRACTOR'S STRUCTURAL STEEL DETAILER SHALL PREPARE STEEL ERECTION AND INSTALLATION SHOP DRAWINGS IN ACCORDANCE WITH THE GUIDELINES AND GOOD PRACTICES NOTED IN THE AISC "DETAILING FOR STEEL CONSTRUCTION" THIRD EDITION AND AS PER THE PROJECT REQUIREMENTS.

2.1.4 SUBMITTALS
CHECKED STEEL SHOP DRAWINGS PREPARED IN ACCORDANCE WITH AISC "DETAILING FOR STEEL CONSTRUCTION" 3RD EDITION.
MATERIAL CERTIFICATES INCLUDED WITH SHOP DRAWINGS.
WELDING CERTIFICATES INCLUDED WITH SHOP DRAWINGS.

2.2 MATERIALS
2.2.1 ALL STRUCTURAL STEEL SHAPES SHALL BE ASTM A992 (Fy=50 ksi)
2.2.2 ALL STRUCTURAL STEEL PLATES AND ANGLES SHALL BE ASTM A36 (Fy=36 KSI).
2.2.3 ALL STRUCTURAL TUBES SHALL BE ASTM A500 GRADE B (Fy=46 KSI).
2.2.4 ALL WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY "STRUCTURAL WELDING CODE", AWS D1.1.
2.2.5 ALL WELD ELECTRODES SHALL BE E70XX AND ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS. ALL WELDING TO CLEAN BARE STEEL.
2.2.6 ALL WELD SIZES SHOWN ARE SIZED FOR LOAD ONLY. WELDS SHALL BE INCREASED IN SIZE AS REQUIRED TO MEET AISC MINIMUMS.
2.2.7 ALL GROOVE WELDS SHOWN ARE FULL PENETRATION WELDS UNLESS NOTED OTHERWISE. WELDS NOTED AS PARTIAL PENETRATION GROOVE WELDS SHOW "EFFECTIVE" SIZE OF WELD. WELD JOINTS SHALL BE DETAILED BASED ON PROCESS USED AND POSITION OF WELD TO MEET THE "EFFECTIVE" SIZE SHOWN ON THE DRAWINGS.
2.2.8 ALL STEEL SHALL BE HOT DIP GALVANIZED

2.3 EXECUTION
VERIFY THAT FIELD CONDITIONS ARE ACCEPTABLE AND ARE READY TO RECEIVE WORK.
STEEL ERECTION TOLERANCES SHALL BE IN ACCORDANCE WITH THE CODE OF STANDARD PRACTICE.

3.0 SHOP DRAWINGS AND TEST REPORTS

3.1 GENERAL CONTRACTOR SHALL CHECK ALL SHOP DRAWINGS BEFORE SUBMITTAL TO THE VA FOR REVIEW.
3.2 REVIEW WILL BE FOR CONFORMANCE TO GENERAL LAYOUT AND DESIGN INTENT ONLY. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ACCURACY OF DIMENSIONS, FABRICATION, FIT UP OF PARTS AND BILLS OF MATERIALS. CONTRACTOR SHALL COORDINATE WORK OF VARIOUS TRADES AND MAKE NECESSARY FIELD MEASUREMENTS.

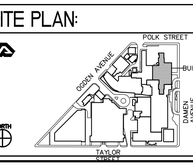
3.3 THE FOLLOWING IS A SUMMARY OF THE REQUIRED SUBMITTALS:

STRUCTURAL STEEL
PRODUCT DATA SHEETS
MATERIAL CERTIFICATIONS
STRUCTURAL STEEL SHOP DRAWINGS

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

Revisions	Date
ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
100% REVIEW	10/07/2015

SITE PLAN:



ENGINEERS + CONSULTANTS:

JOHNSONWILBUR ADAMS, INC.
STRUCTURAL ENGINEERING
175 N. Washington St.
Wheaton, Illinois 60187
Telephone 630-653-4060
Fax 630-653-4059
www.jwase.com

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: PARTIAL SEVENTH AND EIGHTH FLOOR - FRAMING PLANS

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Project Number: 537-13-127
Building Number: 1A

Approved: Project Director

Location: CHICAGO, ILLINOIS

Date: 10/07/2015 | Checked: MJW | Drawn: PCW

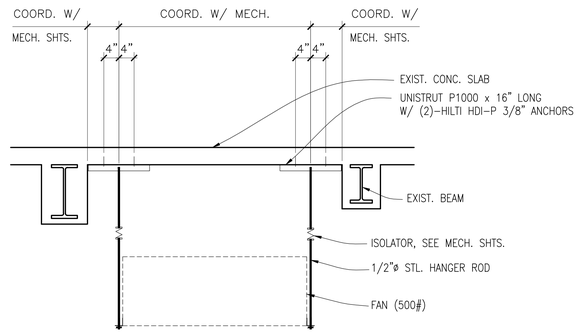
Drawing Number: S-101

Office of Construction and Facilities Management
Department of Veterans Affairs

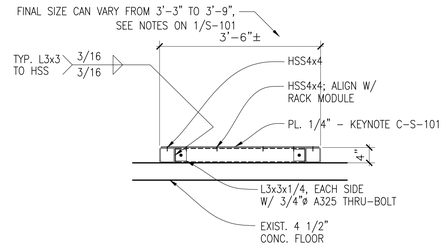
VA FORM 08-6231

ISSUED FOR BIDS - NOT FOR CONSTRUCTION

K:\CCG_PROJECTS\2013\13-105 - Jesse Brown (AE) Design IDIQ VA69D-13-D-0042\Task Order No. 09 - BioMed Server Room 537-14-127\400- D537.13.127.S-101.dwg 8-01-16 02:55:33 PM ABlessman



5 SECTION
3/4"=1'-0"



1 SECTION
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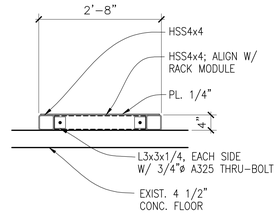
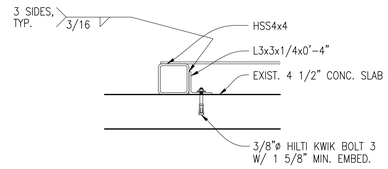
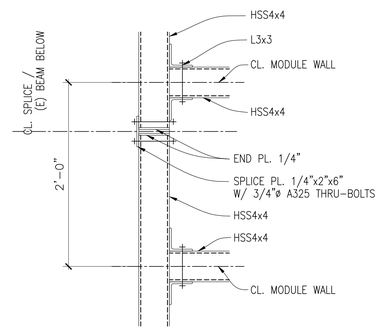


2 SECTION
3/4"=1'-0"



3 SECTION (ANCHOR TO FLOOR)
1 1/2"=1'-0"

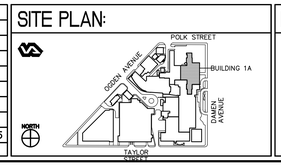


4 DETAIL (SPLICE OVER EXIST. BEAM)
1 1/2"=1'-0"

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

Revisions:	Date
ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
100% REVIEW	10/07/2015

SITE PLAN:



ENGINEERS + CONSULTANTS:

JOHNSONWILBUR ADAMS, INC.
STRUCTURAL ENGINEERING
175 N. Washington St.
Wheaton, Illinois 60187
Telephone 630•653•0060
Fax 630•653•0059
www.jwae.com

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: FRAMING DETAILS AND SECTIONS

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 10/07/2015 | Checked: MJW | Drawn: PCW

Project Number: 537-13-127

Building Number: 1A

Drawing Number: S-102

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

ISSUED FOR BIDS - NOT FOR CONSTRUCTION

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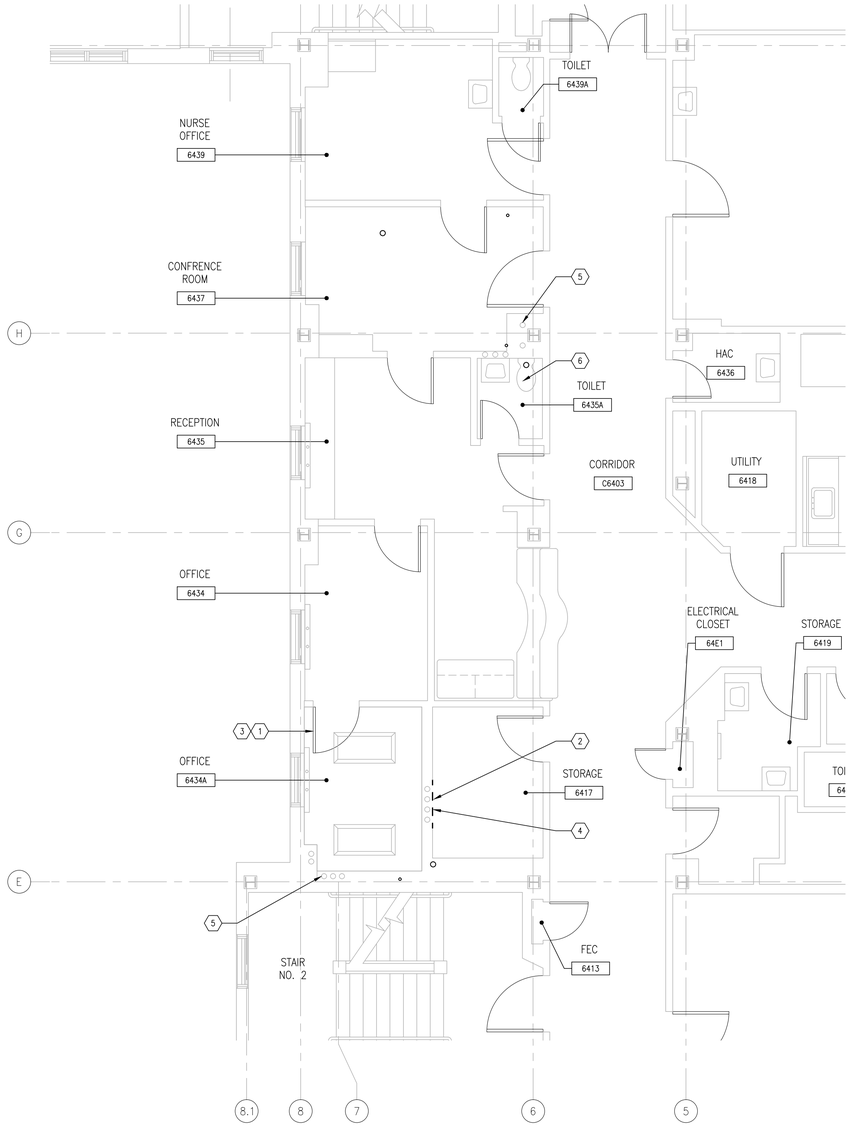
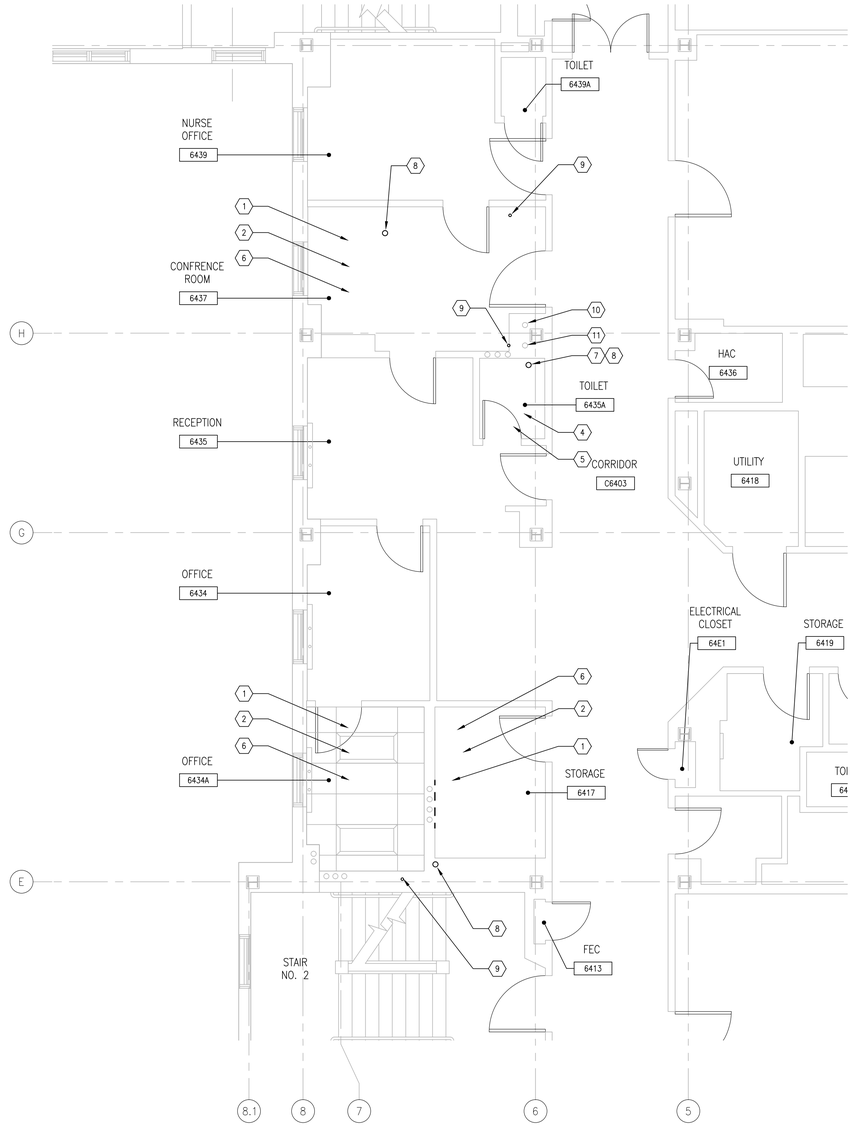


1 PARTIAL SIXTH FLOOR - DEMOLITION FLOOR PLAN

1/4"=1'-0"



2 PARTIAL SIXTH FLOOR - DEMOLITION REFLECTED CEILING PLAN

1/4"=1'-0"

(X) DEMOLITION FLOOR PLAN NOTES

1. THE CONTRACTOR SHALL RELOCATE FURNITURE AND RELATED SYSTEMS AS REQUIRED TO COMPLETE SCOPE OF WORK SPECIFIED. FURNISH AND INSTALL TEMPORARY PROTECTIVE BARRIERS OVER ALL FURNITURE DURING CONSTRUCTION ACTIVITIES.
2. REMOVE SECTIONS OF EXISTING GYPSUM BOARD PANELS AT PIPING LOCATIONS INDICATED TO BE REMOVED. REMOVE WALL BASE ALSO. THIS IS SCHEDULED FOR THE WEST WALL AREA IN STORAGE 6417.
3. PROVIDE TEMPORARY CONSTRUCTION BARRIERS WITHIN OFFICE 6434A AND STORAGE 6417 TO CONTROL ALL CONSTRUCTION DEBRIS AND DUST. PROVIDE FLOOR PROTECTION AT ALL WORK AREAS.
4. INDICATES WATER WASTE AND VENT PIPING SYSTEMS SCHEDULED TO BE REMOVED. REFER TO DRAWING PD-101 FOR ADDITIONAL INFORMATION.
5. INDICATES EXISTING VERTICAL SANITARY WASTE AND VENT STACKS TO REMAIN.
6. PROVIDE TEMPORARY PROTECTION AT WALL HUNG LAV AND FLOOR MOUNTED WATER CLOSET DURING ALL CONSTRUCTION ACTIVITIES.

(X) DEMOLITION REFLECTED CEILING PLAN NOTES

1. REMOVE EXISTING SUSPENDED ACOUSTIC TILE CEILING SYSTEM AS REQUIRED TO REMOVE SANITARY WASTE PIPING ABOVE THIS CEILING AREA. CONTRACTOR SHALL REPLACE SUSPENSION SYSTEM GRID AND CEILING TILES AFTER DEMOLITION WORK IS COMPLETE.
2. REMOVE LAY-IN TYPE LIGHT FIXTURE AS REQUIRED TO COMPLETE ABOVE CEILING DEMOLITION WORK. REINSTALL LIGHT FIXTURE AFTER DEMOLITION WORK IS COMPLETE.
3. CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY BARRIERS DURING CONSTRUCTION ACTIVITIES.
4. REMOVE EXISTING PLASTER CEILING SYSTEM AND RELATED METAL FRAMING AND BLACK IRON SUPPORT SYSTEM. REMOVE LIGHT FIXTURE, RELATED CONDUIT AND WIRING AS REQUIRED BY FIELD CONDITIONS.
5. REMOVE EXHAUST GRILLE AND SECTION OF METAL DUCT WORK. REFER TO DRAWING A-103 FOR CEILING SYSTEM WORK.
6. EXISTING FIRE PROTECTION SPRINKLER HEAD SHALL REMAIN IN PLACE. PROTECT SPRINKLER HEAD FROM DAMAGE DURING CONSTRUCTION ACTIVITIES.
7. THE SANITARY WASTE PIPING FOR THE FLOOR MOUNTED WATER CLOSET AT THE SEVENTH FLOOR LEVEL WILL BE REMOVED BACK TO VERTICAL WASTE STACK. UTILIZE THE DECK OPENING FOR THE OPEN SITE FLOOR DRAIN. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
8. INDICATES LOCATIONS OF OPEN SITE FLOOR DRAINS AT THE SEVENTH FLOOR DECK. REMOVE AND REPLACE ALL SUSPENDED CEILINGS IN THESE AREAS AS REQUIRED TO INSTALL FLOOR DRAINS AND RELATED WASTE AND VENT PIPING SYSTEMS. REFER TO PLUMBING DRAWINGS FOR PIPE ROUTING.
9. INDICATES LOCATION OF VENT PIPING FOR SANITARY PIPING AT FLOOR DRAIN UP THROUGH SEVENTH FLOOR DECK. REFER TO PLUMBING DRAWINGS FOR PIPING ARRANGEMENT.
10. INDICATES EXISTING SANITARY STACK UP AND DOWN. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
11. INDICATES EXISTING VENT STACK UP AND DOWN. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

(X) OCCUPIED AREA - AFTER HOURS

PROTECTION PROTOCOLS

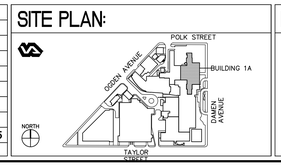
WHEN PERFORMING WORK (DEMOLITION OR NEW) IN OCCUPIED SPACES, THE FOLLOWING PROTECTION PROTOCOLS WILL BE FOLLOWED ON A DAILY BASIS UNLESS MODIFIED IN WRITING BY THE COR ON A CASE BY CASE BASIS:

1. CAREFULLY MOVE/RELOCATE ANY FURNITURE, EQUIPMENT, BOXES, FILES, SIGNAGE, WALL HUNG ITEMS, BLINDS, CURTAINS, ETC. THAT ARE IN THE AREA/ZONE WHERE THE WORK IS TO BE ACCOMPLISHED AND IN DANGER OF BEING DAMAGED BY THE PERFORMANCE OF THE WORK, INCLUDING DAMAGE THAT CAN BE CAUSED BY FALLING OBJECTS, DUST OR MOISTURE NOTE: THIS ALSO APPLIES TO THE DIRECT ACCESS ROUTE THRU THE OCCUPIED AREA TO AND FROM THE ACTUAL WORK AREA/ZONE
2. CAREFULLY PROVIDE FULL PROTECTIVE DUST, MOISTURE AND DAMAGE PREVENTION BARRIERS/COVERS FOR ALL SUCH ITEMS ADDRESSED ABOVE INCLUDING THE ADDITIONAL PROTECTION OF ALL WALL SURFACES/FINISHES, WINDOWS/GLAZING, DOORS, FRAMES, HARDWARE, CARPETING, FLOOR COVERINGS, WALL BASE, CEILING CONSTRUCTION, TILE, GRID, WALL ANGLES, LIGHT FIXTURES, DIFFUSERS, GRILLES, ETC.
3. FLOOR FINISHES SHALL BE PROTECTED THROUGHOUT THE AREA WITH A 6 MIL HEAVY DUTY REINFORCED POLY SHEETING (VISQUEEN) TEMPORARY TARPAULIN(S)/DROP CLOTH(S) AS A MINIMUM FOR DUST, MOISTURE AND VERY LIGHT FOOT TRAFFIC PROTECTION
4. ALL MAIN TRAFFIC AREAS TO AND FROM ALONG WITH INSIDE THE WORK ZONE/AREAS SHALL HAVE ADDITIONAL PROTECTION PROVIDED OVER THE 6 MIL HEAVY DUTY REINFORCED POLY SHEETING (VISQUEEN), IN THE FORM OF FULL SHEETS OF 3/16" TEMPERED HARDBOARD (MASONITE) 4'X8' PANELS. ALL MASONITE PANELS SHALL BE FIRMLY HELD TOGETHER AND SECURED IN PLACE VIA THE USE OF AN INDUSTRY APPROVED 2" HEAVY DUTY CONSTRUCTION ADHESIVE TAPE, INTENDED FOR THIS APPLICATION NOTE: ALL BOARD TO BOARD JOINTS WILL BE FULLY TAPED THE LENGTH OF THE JOINT AND ALL BOARD TO VISQUEEN JOINTS WILL BE TAPED AT 4' ON CENTER WITH A MINIMUM 8" LENGTH OF TAPE. PAINTERS TAPE AND/OR MASKING TAPE ARE NOT CONSIDERED EQUIVALENTS TO THE HD CONSTRUCTION ADHESIVE TAPE BEING SPECIFIED
5. CONSTRUCT A TEMPORARY FULL HEIGHT, FULLY SEALED, CONTAINMENT ENCLOSURE AROUND ALL CONSTRUCTION AREAS/ZONES IN ORDER TO CONTAIN AS MUCH DUST AND DEBRIS AS POSSIBLE DURING THE PERFORMANCE OF ANY DEMOLITION, CONSTRUCTION AND CLEAN-UP WORK
6. THE TEMPORARY FULL HEIGHT CONTAINMENT ENCLOSURES SHOULD BE CONSTRUCTED OF A MINIMUM 6 MIL HEAVY DUTY REINFORCED POLY SHEETING (VISQUEEN) WITH THE USE OF THE APPROPRIATE TELESCOPICALLY ADJUSTABLE ALUMINUM OR METAL VERTICAL SPRING LOADED SUPPORT STUDS/POLES. FULL HEIGHT FOAM PADDED RAILS, PRESSURE FIT AT ALL PERIMETER WALL/PARTITION CONNECTION CONDITIONS ARE TO BE UTILIZED IN ORDER TO MINIMIZE THE USE OF TAPE SEALS ON ALL FINISHED WALL SURFACES
7. WHEN ALL WORK IS COMPLETED FOR THE PREARRANGED SPECIFIC LOCATION(S), SCHEDULED TASKING AND IDENTIFIED PERIOD OF TIME THE ENTIRE AREA IS TO BE FULLY CLEANED-UP, ALL TEMPORARY CONTAINMENT ENCLOSURES AND PROTECTION REMOVED WITH ALL FURNITURE AND EQUIPMENT RETURNED TO THEIR PRIOR FUNCTIONING POSITIONS NOTE: FULLY CLEANED-UP MEANS COMMERCIALLY VACUUM CLEANED WITH ALL SURFACES BEING FULLY WIPED DOWN AND DUST FREE AS ACCEPTED PRIOR TO THE CONTRACTORS WORK
8. ALL SPACES WILL BE RETURNED TO THE USER, BY THE CONTRACTOR, AS A COMMERCIALLY CLEAN ENVIRONMENT WITH ALL OPEN CONSTRUCTION SURFACES SEALED WITH TEMPORARY CONSTRUCTION MATERIALS INCLUDING THE USE OF 6 MIL HEAVY DUTY REINFORCED POLY SHEETING (VISQUEEN), IN ORDER TO AVOID DUST PARTICLES FROM THE CONSTRUCTION AREA MIGRATING INTO THE OCCUPIED USERS AREA/SPACE/ROOM(S)
9. UNLESS DIRECTLY SPECIFIED AND CONFIRMED BY THE COR, ALL TEMPORARY PROTECTION AND ENCLOSURES ARE TO BE SET-UP AND KNOCKED-DOWN ON A DAILY BASIS SUCH THAT THE USERS OF THE OCCUPIED AREAS ARE NOT TO BE INCONVENIENCED AND PREVENTED FROM FUNCTIONING WITHIN THEIR SPACE/AREA/ROOM(S) DURING THEIR NORMAL BUSINESS HOURS OF OPERATION

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015
Revisions:	Date

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: PARTIAL SIXTH FLOOR - DEMOLITION PLAN

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: EM | Drawn: CM + JS

Project Number: 537-13-127

Building Number: 1A

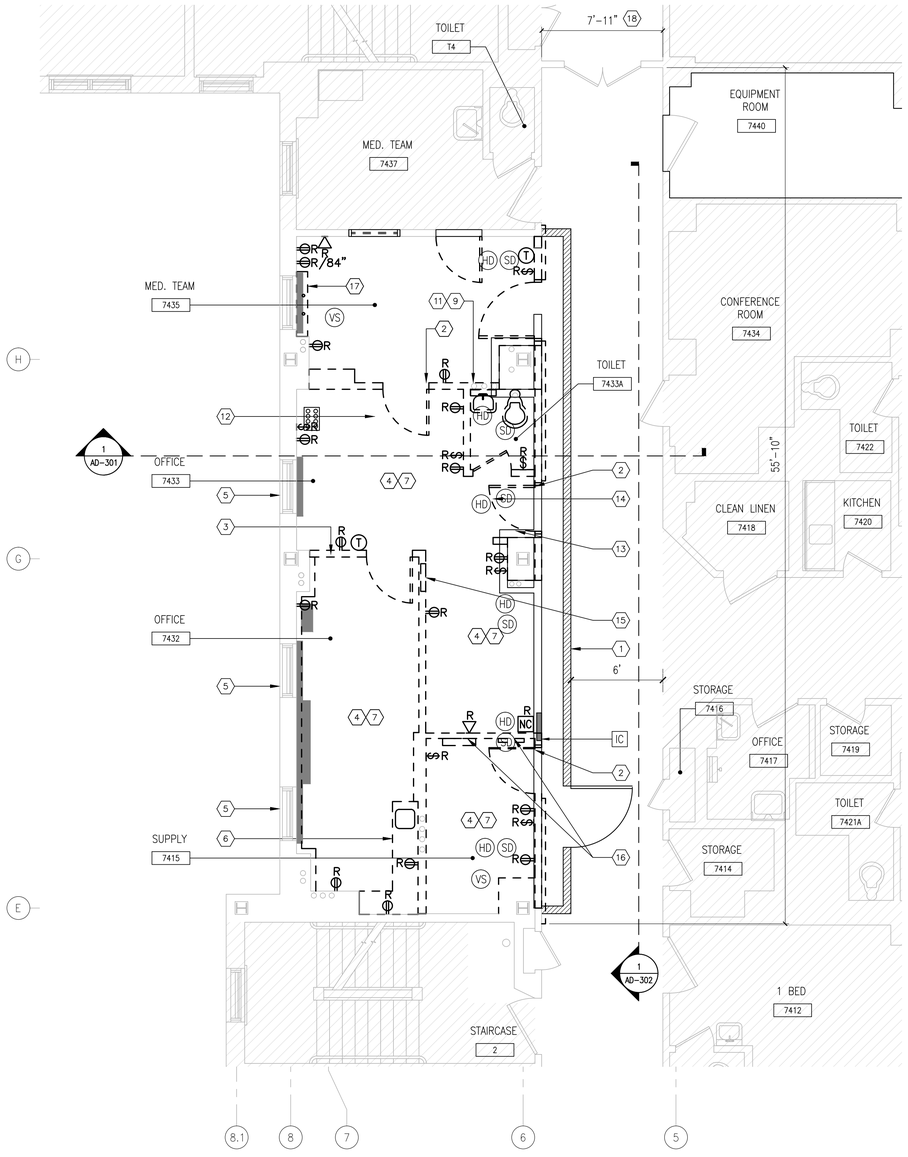
Drawing Number: AD-101

Office of Construction and Facilities Management

Department of Veterans Affairs

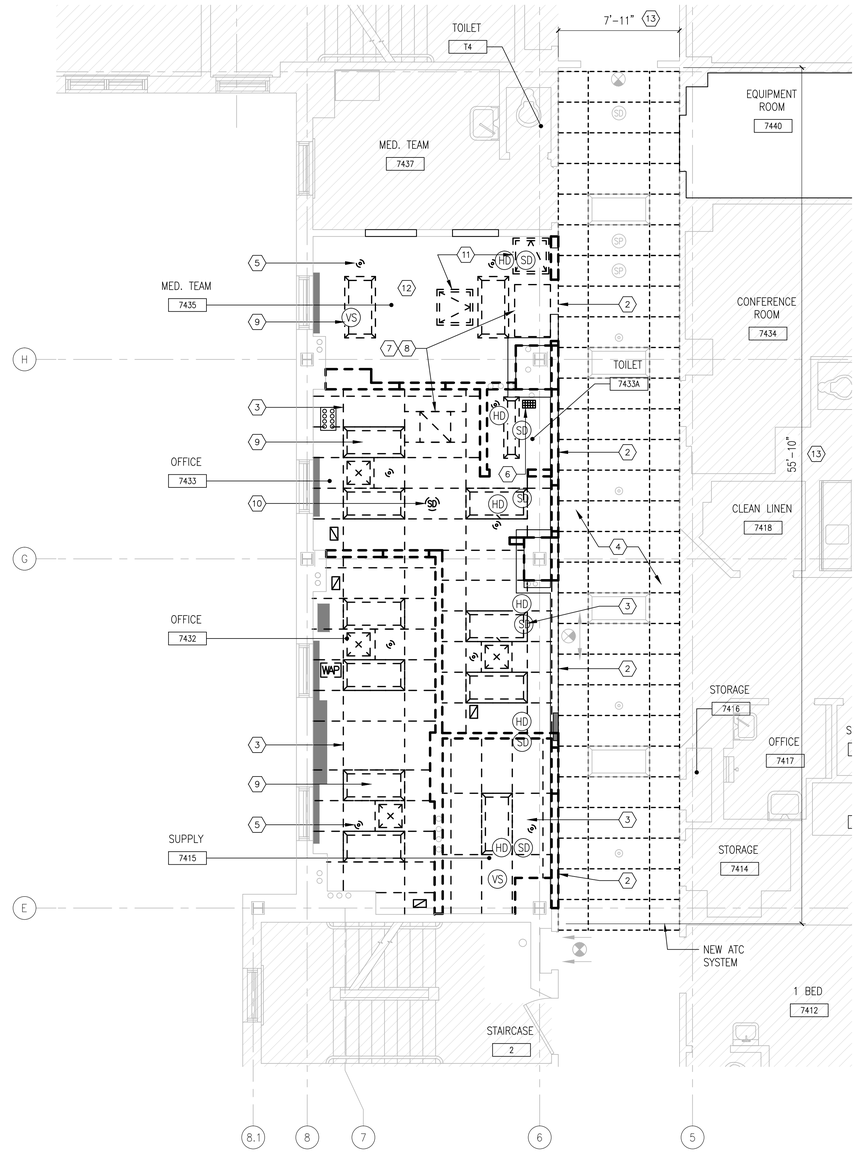
ISSUED FOR BIDS - NOT FOR CONSTRUCTION

one eighth inch = one foot one quarter inch = one foot three eighths inch = one foot one half inch = one foot three quarters inch = one foot one inch = one foot one and one half inches = one foot three inches = one foot
K:\CCG_PROJECTS\2013\13-105 - Jesse Brown (AE) Design IDIQ VA69D-13-D-0042\Task Order No. 09 - BioMed Server Room 537-14-127\400- D537.13.127.AD-101.dwg 8-01-16 02:33:27 PM ABlessman
VA FORM 08-6231



NORTH

1 PARTIAL SEVENTH FLOOR - DEMOLITION FLOOR PLAN
1/4"=1'-0"



NORTH

2 PARTIAL SEVENTH FLOOR - DEMOLITION REFLECTED CEILING PLAN
1/4"=1'-0"

(X) DEMOLITION FLOOR PLAN NOTES

1. PROVIDE TEMPORARY CONSTRUCTION BARRIER. PARTITION SHALL BE A ONE HOUR FIRE RATED ASSEMBLY. REFER TO BUILDING SECTION ON DRAWING AD-301 FOR ADDITIONAL INFORMATION. ALL THROUGH WALL PENETRATIONS OF FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL COMPONENTS SHALL BE FIRE STOPPED WITH A ONE HOUR U.L. RATED ASSEMBLY. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL SUCH FIRE STOP SYSTEMS.
2. REMOVE EXISTING DOORS AND FRAME UNITS DENOTED ON THE DRAWINGS.
3. REMOVE EXISTING INTERIOR PARTITIONS DENOTED. REMOVE PARTITIONS FULL HEIGHT. THE MAJORITY OF THE INTERIOR PARTITIONS ARE CONSTRUCTED AS FOLLOWS: NOMINAL 4" CLAY TILE UNITS WITH WIRE LATH AND PLASTER FINISH. THERE ARE SOME PARTITIONS THAT ARE CONSTRUCTED WITH METAL STUDS AND GYPSUM BOARD PANELS.
4. REMOVE EXISTING FINISH FLOORING INCLUDING WALL BASE WITHIN PROJECT AREA AND WHERE SPECIFIED ON THE DRAWINGS. REMOVE EXISTING CERAMIC TILE FLOORING AND MUD BASE AT TOILET ROOM 7433A.
5. REMOVE EXISTING WINDOW TREATMENTS.
6. REMOVE EXISTING CASEWORK SYSTEMS INCLUDING COUNTER TOPS AND WALL HUNG CABINETS.
7. REMOVE EXISTING SUSPENDED ACOUSTIC TILE CEILING SYSTEMS. REMOVE TILES, SUSPENSION SYSTEM, HANGER WIRES AND ANCHORS AT DECK ABOVE. REFER TO DEMOLITION REFLECTED CEILING PLAN.
8. REFER TO ALL OTHER DRAWINGS FOR ADDITIONAL DEMOLITION SCOPE OF WORK ITEMS.
9. REMOVE EXISTING WATER CLOSET, WALL HUNG LAV AND ALL ASSOCIATED DOMESTIC WATER PIPING, WASTE AND VENT PIPING. REMOVE DOMESTIC WATER PIPING BACK TO NEAREST MAIN TAKE OFF AND CAP. PROVIDE A TEMPORARY PLUG AT WATER CLOSET HUB AT FLOOR DECK LINE FOR ODOR CONTROL. REMOVE VENT PIPING BACK TO MAIN VENT STACK AND CAP. REFER TO DRAWING PD-101. REFER TO DETAIL 5 ON DRAWING AD-103 FOR DECK INFILL AT ABANDONED DECK OPENINGS AT WASTE, VENT AND WATER PIPING.
10. REMOVE WALL THERMOSTATS AND CONTROL TUBING. REMOVE CONTROL TUBING FROM STAT LOCATION TO RESPECTIVE EQUIPMENT AND BACK TO MAIN AIR LINE CONNECTION POINT.
11. REMOVE TOILET EXHAUST GRILLE AND ASSOCIATED SHEET METAL DUCT WORK AT TOILET ROOM. REMOVE SHEET METAL DUCT BACK TO MAIN TAKE-OFF AT CORRIDOR. FURNISH AND INSTALL METAL CLOSE-OFF PANEL AT TAKE-OFF POINT.
12. NOT USED.
13. REMOVE ALL WALL SWITCHES, CONDUIT AND WIRING WITHIN PROJECT AREA DENOTED. REMOVE POWER WIRING BACK TO RESPECTIVE POWER PANEL.
14. REMOVE DOOR CONTROL DEVICE DENOTED. REMOVE CONTROL AND POWER WIRING BACK TO JUNCTION BOX LOCATION. REFER TO DRAWINGS FOR RELOCATION OF DOOR CONTROL BUTTON.
15. REFER TO MECHANICAL DRAWINGS FOR SCOPE OF WORK RELATED TO MEDICAL GAS CONTROL BOX.
16. REMOVE UNUSED TELEPHONE COMMUNICATION PANEL AND ORIGINAL NURSE CALL SYSTEM. RETURN NURSE CALL SYSTEM TO BIOMED DEPARTMENT FOR THEIR USE.
17. INDICATES EXISTING WALL MOUNTED THIN-TUBE ENCLOSURE TO BE REMOVED BY THE CONTRACTOR. REMOVE METAL ENCLOSURE AND ASSOCIATED SUPPLY AND RETURN PIPING SYSTEM. CAP PIPING AT MAIN SUPPLY AND RETURN RISERS AT FLOOR LINE.

(X) DEMOLITION REFLECTED CEILING PLAN NOTES

1. PROVIDE TEMPORARY CONSTRUCTION BARRIER. PARTITION SHALL BE A ONE HOUR FIRE RATED ASSEMBLY. REFER TO BUILDING SECTION ON DRAWING AD-301 FOR ADDITIONAL INFORMATION. ALL THROUGH WALL PENETRATIONS OF FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL COMPONENTS SHALL BE FIRE STOPPED WITH A ONE HOUR U.L. RATED ASSEMBLY. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL SUCH FIRE STOP SYSTEMS. INSTALL TEMPORARY CONSTRUCTION BARRIER TO THE BOTTOM OF THE CEILING SUSPENSION SYSTEM.
2. REMOVE EXISTING INTERIOR PARTITIONS DENOTED. REMOVE PARTITIONS FULL HEIGHT.
3. REMOVE EXISTING SUSPENDED ACOUSTIC TILE CEILING SYSTEMS COMPLETELY. REMOVE TILES, SUSPENSION SYSTEM, HANGER WIRES AND ANCHORS AT DECK ABOVE.
4. REMOVE EXISTING CORRIDOR CEILING SYSTEM.
5. REMOVE EXISTING FIRE PROTECTION SPRINKLER PIPING, SPRINKLER HEADS AND ASSOCIATED HANGER RODS AND DECK ANCHORS WITHIN PROJECT AREA. NOTE THAT SOME OF THE FIRE PROTECTION PIPING IS ROUTED WITH U.L. RATED PVC PIPE. REFER TO FIRE PROTECTION DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION, DRAWING FP-101.
6. REMOVE TOILET EXHAUST GRILLE AND ASSOCIATED SHEET METAL DUCT WORK AT TOILET ROOM. REMOVE SHEET METAL DUCT WORK BACK TO MAIN TAKE-OFF AT CORRIDOR AND CAP. REFER TO MECHANICAL DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION.
7. REMOVE SUSPENDED FAN COIL UNIT AND ASSOCIATED PIPING SYSTEMS. REMOVE TEMPERATURE CONTROL WIRING COMPLETELY. REFER TO DEMOLITION REFLECTED CEILING PLAN FOR ADDITIONAL INFORMATION.
8. REMOVE POWER WIRING AND CONDUIT WHICH SERVICES THE SUSPENDED FAN COIL UNIT. REMOVE POWER WIRING AND CONDUIT BACK TO RESPECTIVE POWER PANEL.
9. REMOVE ALL LIGHT FIXTURES WITHIN PROJECT AREA. REMOVE FIXTURES, POWER WIRING AND CONDUITS BACK TO NEAREST JUNCTION BOX. REFER TO ELECTRICAL DEMOLITION DRAWING ED-101 FOR ADDITIONAL INFORMATION.
10. REMOVE EXISTING FIRE ALARM SMOKE DETECTOR DEVICE. REMOVE DEVICE, CONTROL WIRING AND CONDUIT SYSTEM BACK TO NEAREST JUNCTION BOX.
11. REMOVE METAL ACCESS PANELS AT CEILING SYSTEM.
12. REMOVE SUSPENDED PLASTER CEILING SYSTEM INCLUDING ALL METAL CHANNELS, HANGER WIRES AND ASSOCIATED DECK ANCHORS.
13. REMOVE AND REUSE EXISTING CORRIDOR LIGHTING FIXTURES. FURNISH AND INSTALL TEMPORARY LIGHTING DURING CONSTRUCTION ACTIVITIES.

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

ISSUED FOR SOLICITATION	08/01/2016
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ISSUED FOR BIDS	12/03/2015
Revisions:	Date

SITE PLAN:

ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: PARTIAL SEVENTH FLOOR-DEMOLITION FLOOR AND CEILING PLAN

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: EM | Drawn: CM + JS

Project Number: 537-13-127

Building Number: 1A

Drawing Number: AD-102

Office of Construction and Facilities Management

Department of Veterans Affairs

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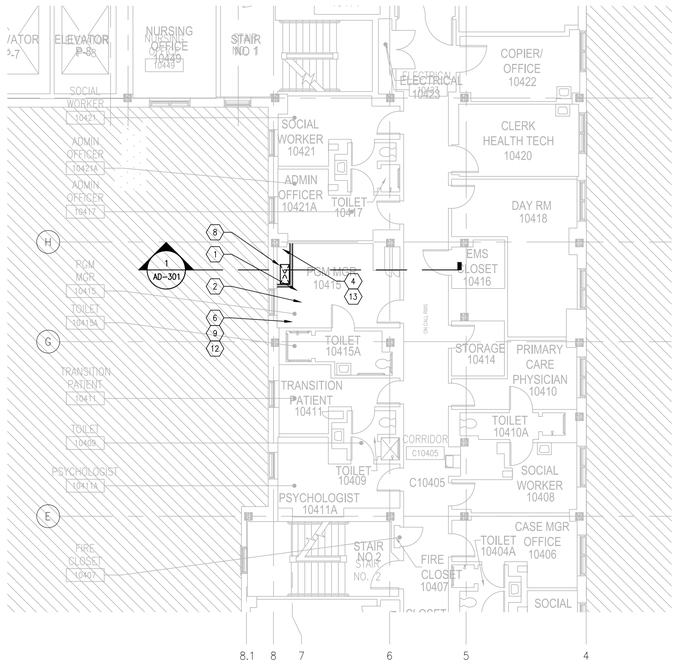
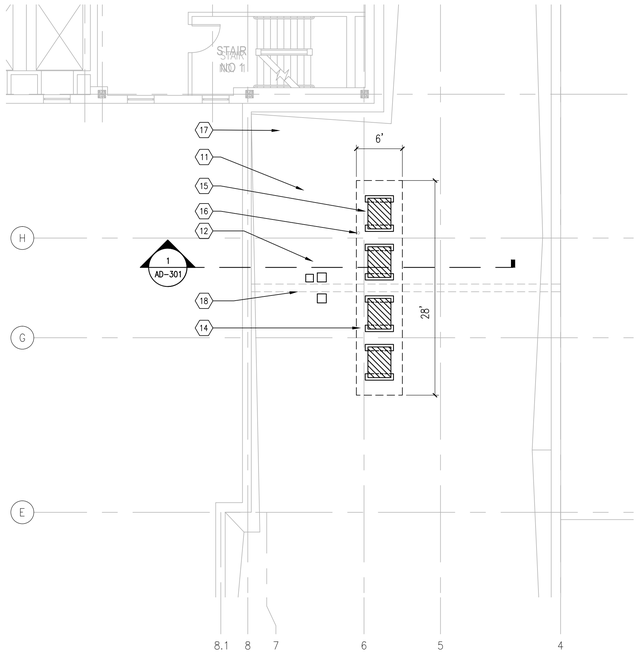


NORTH

3 PARTIAL TENTH FLOOR - DEMOLITION PLAN

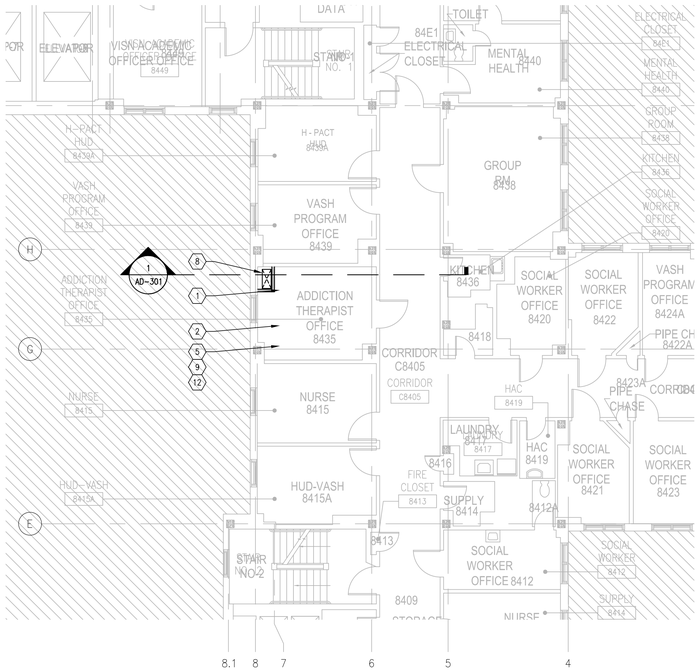
1/8"=1'-0"



NORTH

4 PARTIAL ELEVENTH FLOOR LEVEL/ROOF DECK - DEMOLITION PLAN

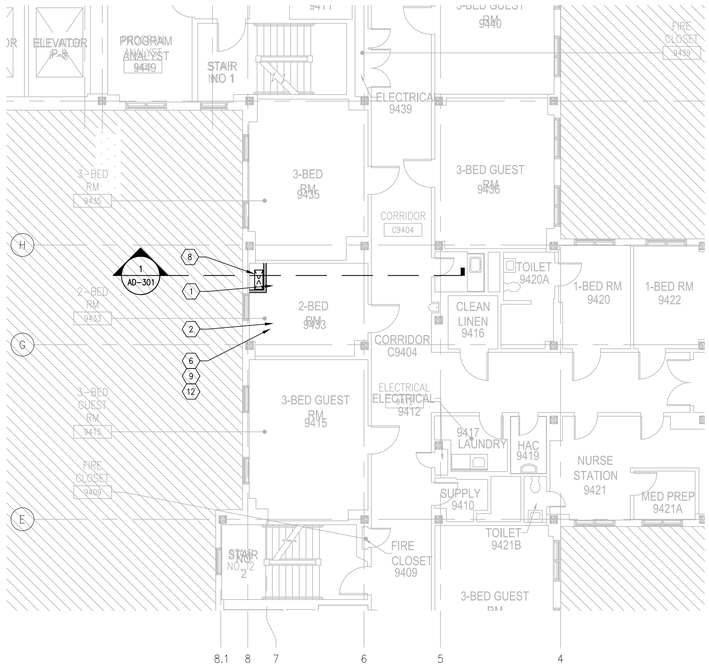
1/8"=1'-0"



NORTH

1 PARTIAL EIGHTH FLOOR - DEMOLITION PLAN

1/8"=1'-0"



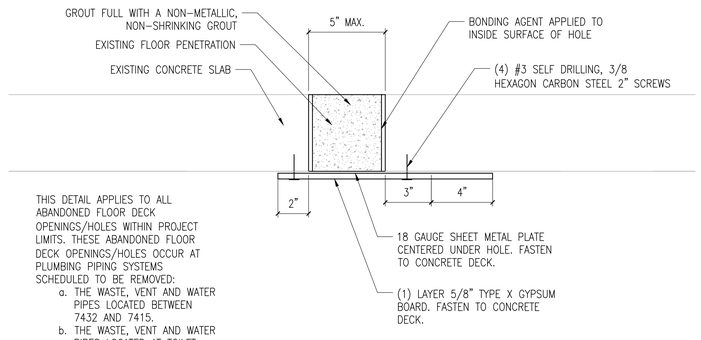
NORTH

2 PARTIAL NINTH FLOOR - DEMOLITION PLAN

1/8"=1'-0"

(X) DEMOLITION PLAN NOTES

1. CONTRACTOR SHALL FURNISH AND INSTALL ALL TEMPORARY CONSTRUCTION BARRIERS WITHIN SPECIFIED ROOMS PRIOR TO THE START OF DEMOLITION WORK. REFER TO PROJECT MANUAL FOR OTHER REQUIREMENTS.
2. REMOVE AND RELOCATE LOOSE FURNITURE SYSTEMS WITHIN ALL ROOMS/SPACES WHERE VERTICAL PIPES ARE SCHEDULED TO BE INSTALLED. IT IS THE INTENT THAT THE FURNITURE SYSTEMS WILL BE RELOCATED TEMPORARILY WITHIN THE SAME ROOM. COVER FURNITURE SYSTEMS WITH PROTECTIVE BARRIERS DURING ALL CONSTRUCTION ACTIVITIES. AFTER SPECIFIED WORK IS COMPLETED CONTRACTOR SHALL RELOCATE FURNITURE SYSTEMS. REFER TO CONSTRUCTION PLANS ON DRAWING A-104.
3. CONTRACTORS SHALL REFER TO DEMOLITION REFLECTED CEILING PLANS ON DRAWING AD-104 FOR SCOPE OF WORK AT EXISTING CEILING SYSTEMS.
4. REMOVE AND RELOCATE EXISTING ELECTRICAL POWER OUTLETS DENOTED. LOCATE DUPLEX POWER OUTLET TO CHASE WALL.
5. EXISTING FINISH FLOORING WITHIN ROOMS/SPACES WITH THIS PLAN NOTE ARE VINYL COMPOSITION TILE FLOORS. REMOVE SECTION OF VINYL COMPOSITION TILE FLOORING AS REQUIRED TO PROVIDE FLOOR DECK OPENINGS.
6. EXISTING FINISH FLOORING WITHIN ROOMS/SPACES WITH THIS PLAN NOTE ARE CARPET TILE SYSTEMS. REMOVE SECTIONS OF CARPET TILE AS REQUIRED TO PROVIDE DECK OPENINGS.
7. ALL CONSTRUCTION ACTIVITIES SHALL BE SCHEDULED WITH THE COR PRIOR TO STARTING ANY WORK.
8. REFER TO DEMOLITION SECTIONS ON DRAWING AD-301 FOR FLOOR AND ROOF DECK OPENING REQUIREMENTS.
9. CONTRACTORS SHALL SCHEDULE ALL CONSTRUCTION ACTIVITIES WITHIN THE SIXTH, EIGHTH, NINTH AND TENTH FLOOR LEVELS FOR AFTER NORMAL OPERATIONAL BUSINESS HOURS. ADDITIONALLY THE ROOMS/SPACES WHERE DEMOLITION WORK IS SCHEDULED SHALL REMAIN IN USE DURING NORMAL BUSINESS HOURS OF OPERATION WHICH ARE 6:00 AM UNTIL 6:00 PM. CONTRACTORS SHALL NOT STORE/STAGE ANY CONSTRUCTION TOOLS AND/OR EQUIPMENT WITHIN THESE ROOMS/SPACES. ALL DEMOLITION DEBRIS SHALL BE REMOVED DAILY FROM PROJECT SITE.
10. REFER TO DRAWING AD-101 FOR DEMOLITION SCOPE OF WORK AT THE SIXTH FLOOR LEVEL.
11. CONTRACTOR SHALL NOTE THAT THE RUBBER, EPDM, ROOFING SYSTEM IS NOT UNDER A MANUFACTURERS WARRANTY.
12. INDICATES LOCATION OF ROOF DECK OPENING FOR PIPE ROUTING TO BUILDING AREA BELOW. CONTRACTOR SHALL BE REQUIRED TO FURNISH AND INSTALL ALL TEMPORARY BARRIERS TO MAINTAIN A WATER-TIGHT CONDITION AT ALL ROOF DECK OPENINGS INDICATED.
13. REMOVE EXISTING ABANDONED METAL RACEWAY SYSTEM AT THIS LOCATION. THERE ARE NO DEVICES CONNECTED FROM THIS RACEWAY.
14. REFER TO PARTIAL ROOF PLAN ON DRAWING A-102.
15. INDICATES LOCATION OF EQUIPMENT ROOF CURBS FOR SCHEDULED MECHANICAL UNITS. REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT SIZES/DIMENSIONS.
16. INDICATES EXISTING PLUMBING VENT STACK AT ROOF DECK TO REMAIN.
17. CONTRACTORS SHALL STAY CLEAR OF THE VARIOUS ROOF MOUNTED SATELLITE DISH COMPONENTS AND WIRING SYSTEMS.
18. INIDCATES LINES OF EXISTING CONCRETE BEAMS.



THIS DETAIL APPLIES TO ALL ABANDONED FLOOR DECK OPENINGS/HOLES WITHIN PROJECT LIMITS. THESE ABANDONED FLOOR DECK OPENINGS/HOLES OCCUR AT PLUMBING PIPING SYSTEMS SCHEDULED TO BE REMOVED:

a. THE WASTE, VENT AND WATER PIPES LOCATED BETWEEN 7432 AND 7415.
b. THE WASTE, VENT AND WATER PIPES LOCATED AT TOILET ROOM 7433A.

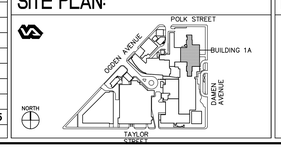
5 FLOOR PENETRATION INFILL DETAIL

3"=1'-0"

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015
Revisions:	Date

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: PARTIAL EIGHTH TO TENTH FLOOR - DEMOLITION PLAN

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: EM | Drawn: CM + JS

Project Number: 537-13-127

Building Number: 1A

Drawing Number: AD-103

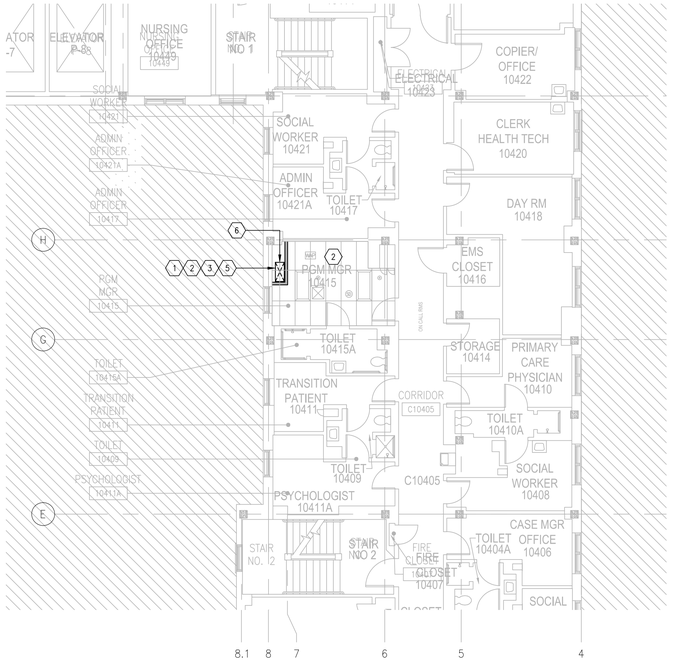
Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

ISSUED FOR BIDS - NOT FOR CONSTRUCTION

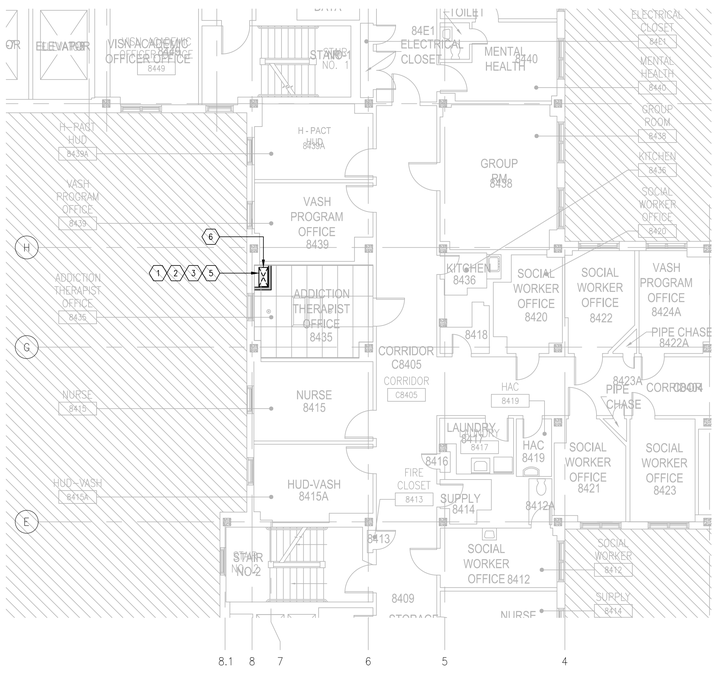
K:\CCG_PROJECTS\2013\13-105 - Jesse Brown (AE) Design IDIQ VA69D-13-D-0042\Task Order No. 09 - BioMed Server Room 537-14-127\400- D537.13.127.AD-103.dwg 8-01-16 02:35:15 PM ABlessman



NORTH

3 PARTIAL TENTH FLOOR - DEMOLITION REFLECTED CEILING PLAN

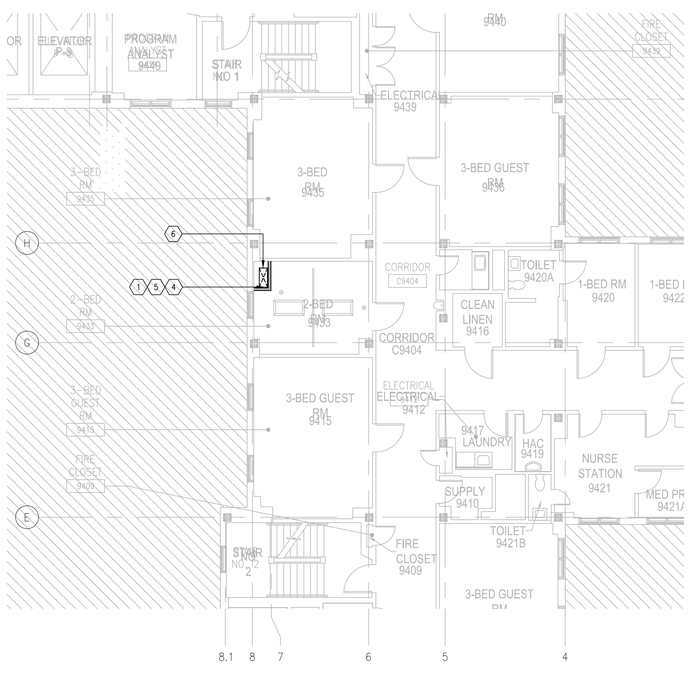
1/8"=1'-0"



NORTH

1 PARTIAL EIGHTH FLOOR - DEMOLITION REFLECTED CEILING PLAN

1/8"=1'-0"



NORTH

2 PARTIAL NINTH FLOOR - DEMOLITION REFLECTED CEILING PLAN

1/8"=1'-0"

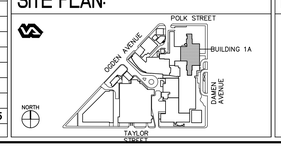
(X) DEMOLITION REFLECTED CEILING PLAN NOTES

1. REFER TO DRAWING AD-103 FOR ADDITIONAL DEMOLITION NOTES AND REQUIREMENTS FOR PROJECT AREA.
2. REMOVE AND REPLACE SUSPENDED ACOUSTIC TILE CEILING SYSTEM AS REQUIRED FOR THE SPECIFIED SCOPE OF WORK. REMOVE SUSPENSION SYSTEM GRID CAREFULLY AT ALL WORK AREAS DENOTED. CONTRACTOR SHALL PROVIDE TEMPORARY HANGERS AND SUPPORT WIRES AND AT SUSPENSION SYSTEM WHICH REMAINS IN PLACE. CONTRACTOR SHALL REINSTALL EXISTING SUSPENSION SYSTEM COMPONENTS ONCE SPECIFIED WORK IS COMPLETED. IF SUSPENSION SYSTEM COMPONENTS CAN NOT BE REUSED DUE TO DAMAGE THEN CONTRACTOR SHALL FURNISH AND INSTALL MATCHING SYSTEMS AS CLOSE AS POSSIBLE. DO NOT REUSE EXISTING ACOUSTIC TILE PANELS. DISCARD EXISTING ACOUSTIC PANELS. REFER TO DRAWING A-103 FOR REFLECTED CEILING PLAN AND RELATED NOTES.
3. REMOVE AND RELOCATE ALL LAY-IN TYPE LIGHT FIXTURES AS REQUIRED TO PERFORM SPECIFIED WORK.
4. REMOVE A SECTION OF THE EXISTING PLASTER CEILING SYSTEM INCLUDING THE BLACK IRON FRAMING AND SUPPORT CHANNELS AND RELATED HANGER WIRES/DECK ANCHORS. FURNISH AND INSTALL HANGER WIRES AND BLACK IRON SUPPORT CHANNELS AS REQUIRED BY CEILING DEMOLITION WORK. REFER TO DETAIL ON DRAWING AD-301 FOR ADDITIONAL INFORMATION.
5. THE ARCHITECTS OFFICE HAS COMPLETED A SITE REVIEW OF THE EXISTING CONDITIONS ABOVE THESE SUSPENDED CEILING SYSTEM, EXCEPT FOR ROOM PATIENT ROOM 9433, AND THERE ARE NO OTHER OBSTRUCTIONS FOR THE SCHEDULED REFRIGERANT PIPING SYSTEM ROUTING/INSTALLATION.
6. INDICATES SCHEDULED FLOOR DECK OPENING. REFER TO MECHANICAL DRAWINGS FOR PIPE ROUTING. REFER TO DEMOLITION BUILDING SECTIONS ON DRAWING AD-301.

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015
Revisions:	Date

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: PARTIAL EIGHTH TO TENTH FLOOR- DEMOLITION REFLECTED CEILING PLAN

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: EM | Drawn: CM + JS

Project Number: 537-13-127

Building Number: 1A

Drawing Number: AD-104

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

ISSUED FOR BIDS - NOT FOR CONSTRUCTION

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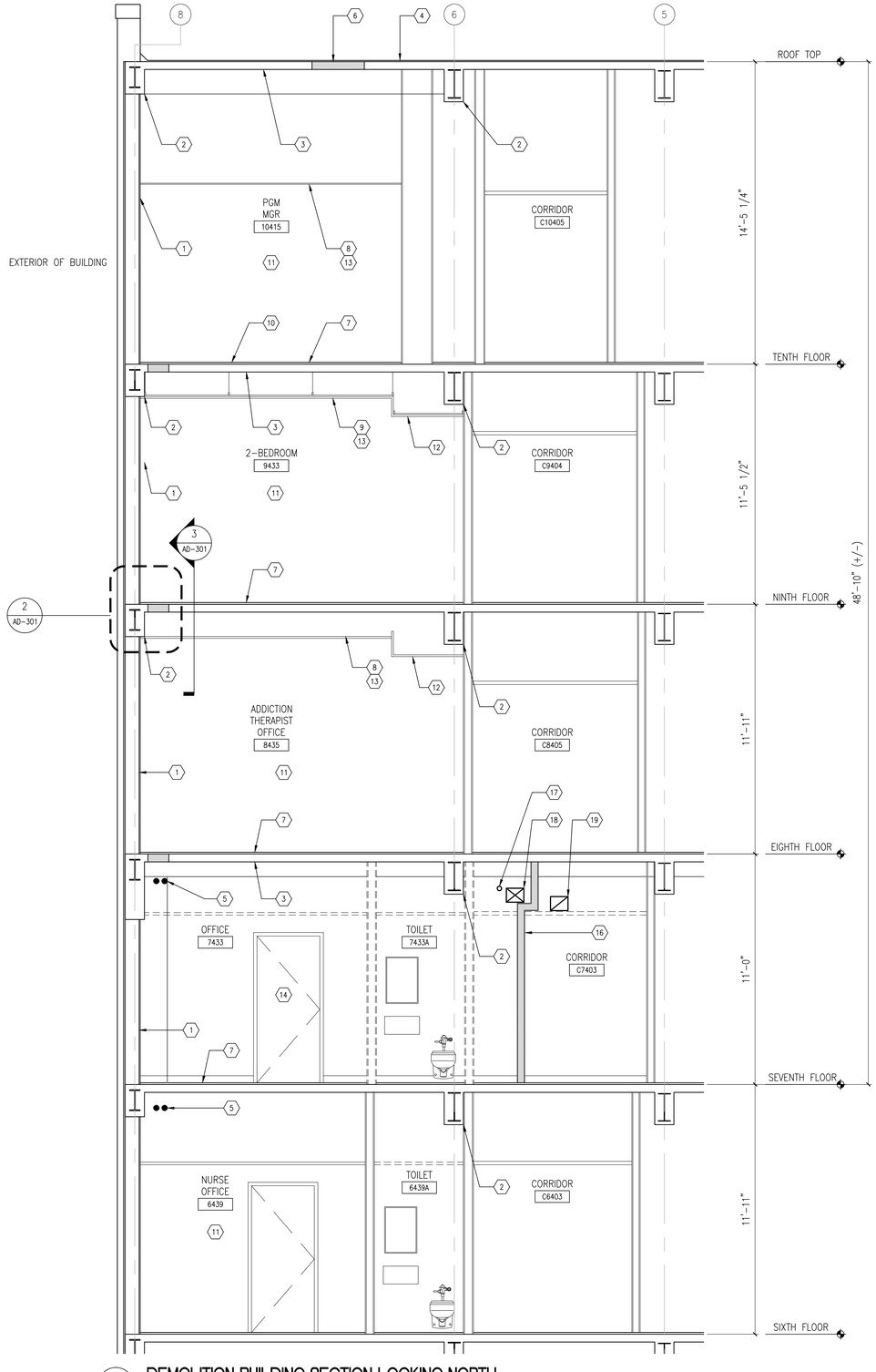
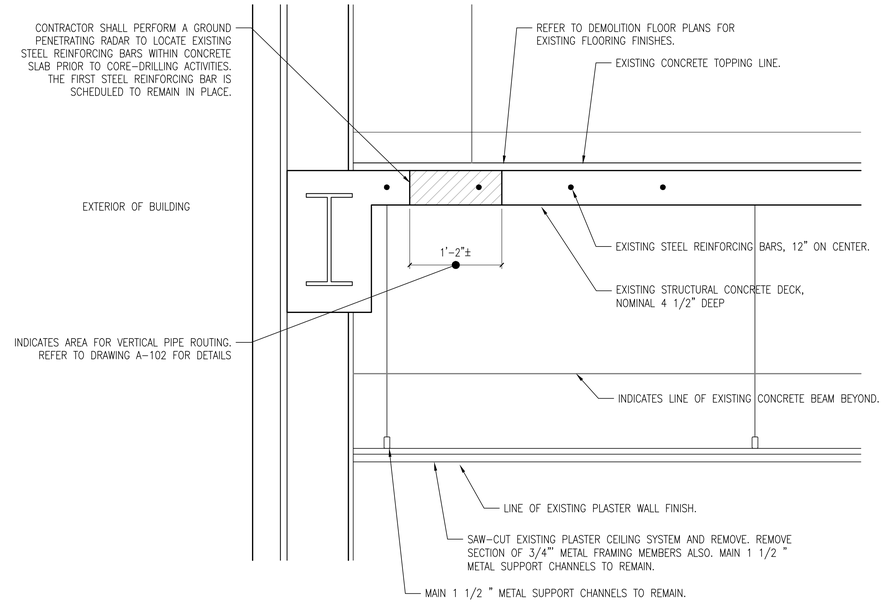


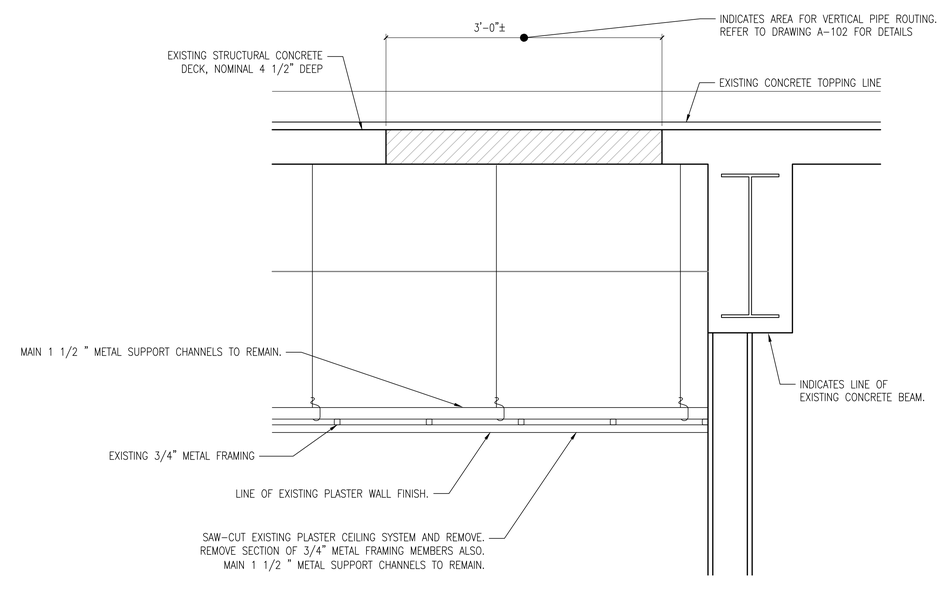
1 DEMOLITION BUILDING SECTION LOOKING NORTH
3/8" =1'-0"



2 DEMOLITION DETAIL SECTION LOOKING NORTH
3/8" =1'-0"

(X) DEMOLITION BUILDING SECTION NOTES

1. EXTERIOR WALL CONSTRUCTION; NOMINAL 4" EXTERIOR FACE BRICK WITH CLAY TILE UNITS AND PLASTER ON WIRE LATH INTERIOR FINISH.
2. INDICATES EXISTING ORIGINAL STRUCTURAL STEEL FRAMING BEAMS ENCASED IN CONCRETE. NOTE THAT THE FLOOR BEAMS ARE VARIOUS DEPTHS.
3. INDICATES EXISTING ORIGINAL CONCRETE DECK. THE STRUCTURAL CONCRETE DECK IS A ONE WAY SLAB WITH STEEL REINFORCING BARS. STEEL REINFORCING RUNS IN THE NORTH/SOUTH DIRECTION. REFER DETAIL ON THIS DRAWING FOR STRUCTURAL STEEL FRAMING REQUIRED AT ALL SPECIFIED DECK OPENINGS.
4. INDICATES EXISTING ROOFING SYSTEM, RUBBER/EPDM MEMBRANE FULLY ADHERED ON RIGID INSULATION BOARDS ON CONCRETE DECK. REFER TO DETAIL ON THIS DRAWING FOR NOTES. REFER TO ROOF PLAN ON DRAWING A-104 FOR LOCATION OF ROOF TOP CONDENSING UNITS RELATED EQUIPMENT SUPPORT SYSTEM.
5. INDICATES EXISTING HYDRONIC PIPING BRANCH LINES SCHEDULED TO REMAIN. REFER TO MECHANICAL DRAWINGS FOR INFORMATION REGARDING INSULATION SPECIFICATIONS.
6. INDICATES ROOF DECKING OPENING. CONTRACTOR SHALL CONFIRM ACTUAL OPENING LOCATION WITH ARCHITECT IN FIELD WITH RESPECT TO ABOVE CEILING MECHANICAL AND ELECTRICAL SYSTEMS.
7. CONTRACTORS SHALL REFER TO DRAWING AD-102 FOR NOTES REGARDING THE CURRENT FLOOR FINISHES AND RELATED DEMOLITION WORK.
8. INDICATES EXISTING SUSPENDED ACOUSTIC TILE CEILING SYSTEM. CONTRACTOR SHALL REMOVE CEILING TILES AND SECTION OF SUSPENSION SYSTEM AS REQUIRED BY CONSTRUCTION ACTIVITIES.
9. INDICATES EXISTING SUSPENDED PLASTER CEILING SYSTEM. CONTRACTOR SHALL SAW-CUT AND REMOVE SECTION OF PLASTER CEILING AND RELATED METAL FRAMING CHANNELS AS REQUIRED BY CONSTRUCTION ACTIVITIES. FURNISH AND INSTALL ADDITIONAL METAL FRAMING CHANNELS AND HANGER WIRES, 20 GAUGE, TO RE-SUPPORT CEILING SYSTEM WHICH REMAINS. REFER TO DETAILS ON THIS DRAWING.
10. INDICATES 4" HIGH RUBBER WALL BASE. REMOVE SECTIONS OF WALL BASE AS REQUIRED BY CONSTRUCTION ACTIVITIES.
11. CONTRACTOR SHALL REFER TO FURNITURE PLAN ON DRAWING A-104 FOR NOTES REGARDING THE TEMPORARY MOVING AND PROTECTION SERVICES.
12. INDICATES EXISTING PLASTER VALANCE/SOFFIT TO REMAIN.
13. EXISTING FIRE PROTECTION/SPRINKLER PIPING SYSTEM IS NOT INDICATED FOR DRAWING CLARITY.
14. REMOVE EXISTING WOOD DOOR. HOLLOW METAL FRAME IS SCHEDULED TO REMAIN.
15. REFER TO ALL DEMOLITION FLOOR PLANS FOR ALL SPECIFIED SCOPE OF WORK ITEMS.
16. CONTRACTOR SHALL EXTEND TEMPORARY 1 HOUR U.L. RATED CONSTRUCTION BARRIER TO UNDERSIDE OF 8TH FLOOR CONCRETE DECK. REMOVE AND RELOCATE ALL EXISTING FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL SERVICES AS REQUIRED.
17. INDICATES EXISTING FIRE PROTECTION/SPRINKLER MAIN AT CORRIDOR.
18. INDICATES EXISTING SUPPLY DUCT AT CORRIDOR.
19. INDICATES EXISTING TOILET EXHAUST DUCT AT CORRIDOR.

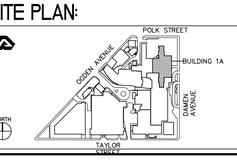


3 DEMOLITION DETAIL SECTION LOOKING WEST
3/8" =1'-0"

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

Revisions:	Date
ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Approved: Project Director

Drawing Title	Project Title	Project Number
DEMOLITION BUILDING SECTION + DEMOLITION DETAIL SECTIONS	JESSE BROWN VAMC BIOMED SERVER ROOM	537-13-127
	Location: CHICAGO, ILLINOIS	Building Number: 1A
	Date: 12/03/2015 · Checked: EM · Drawn: CM + JS	Drawing Number: AD-301

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

ISSUED FOR BIDS - NOT FOR CONSTRUCTION

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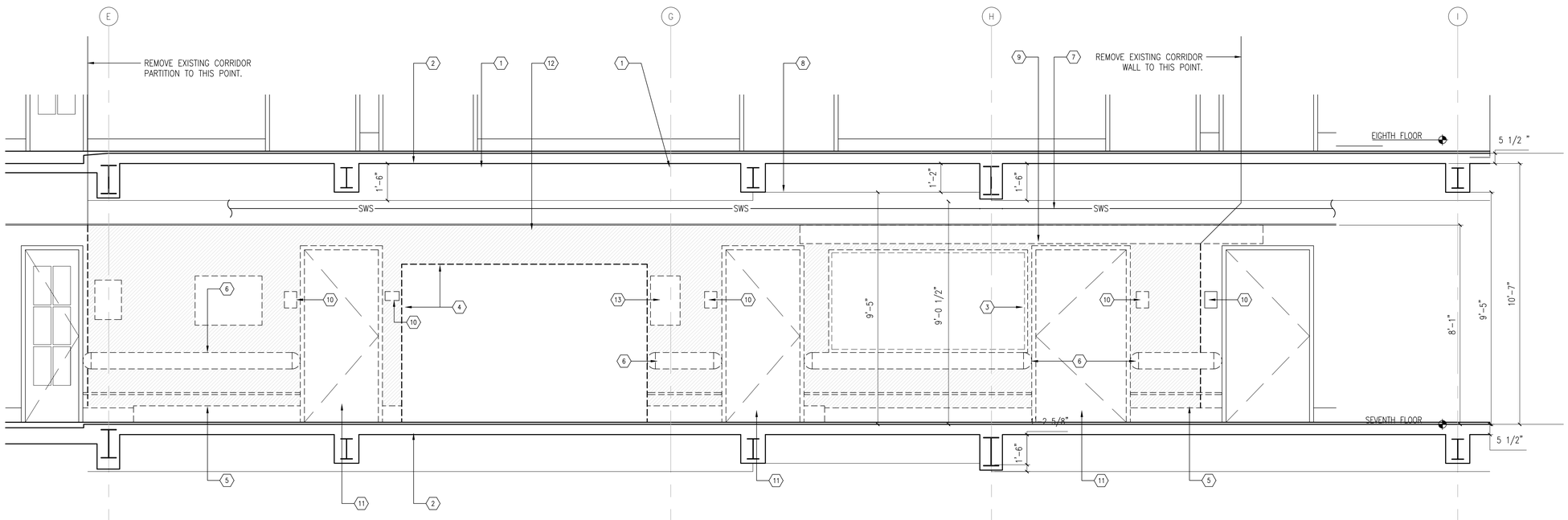
NOTES

1. INDICATES EXISTING ORIGINAL STEEL FRAMING BEAM ENCASED IN CONCRETE. NOTE THAT THE FLOOR BEAMS ARE VARIOUS DEPTHS.
2. INDICATES EXISTING ORIGINAL CONCRETE DECK. REFER TO ORIGINAL STRUCTURAL DRAWING FOR STEEL REINFORCING WITHIN CONCRETE SLAB.
3. INDICATES EXISTING MARKER BOARD TO BE REMOVED AND SALVAGED FOR REINSTALLATION.
4. EXISTING CORRIDOR PARTITION TO BE REMOVED.
5. REMOVE EXISTING TERRAZZO WALL BASE. CONTRACTOR SHALL INFILL DECK VOID AT ALL LOCATIONS.
6. REMOVE WALL GUARD SYSTEM SHOWN.
7. EXISTING SYSTEM WATER SUPPLY AND RETURN PIPES LOCATED ABOVE SEVENTH FLOOR CEILING.
8. LINE OF EXISTING CONCRETE FLOOR BEAM.
9. EXISTING SURFACE MOUNTED METAL RACEWAY SYSTEM TO BE REMOVED. REMOVE AND RELOCATE ALL WIRING AS REQUIRED.
10. REMOVE EXISTING ROOM SIGNAGE.
11. REMOVE EXISTING DOORS AND FRAMES.
12. REMOVE EXISTING SUSPENDED ACOUSTIC TILE CEILING SYSTEM COMPLETE. REMOVE ALL CEILING TILES, GRID AND HANGER WIRES.
13. REMOVE AND RELOCATE EXISTING DIRECTIONAL BOARD.

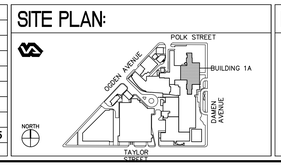


1 CORRIDOR SECTION LOOKING WEST
1/2" =1'-0"

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015
Revisions	Date

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: CORRIDOR BUILDING SECTION

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: EM | Drawn: CM + JS

Project Number: 537-13-127

Building Number: 1A

Drawing Number: AD-302

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

ISSUED FOR BIDS - NOT FOR CONSTRUCTION

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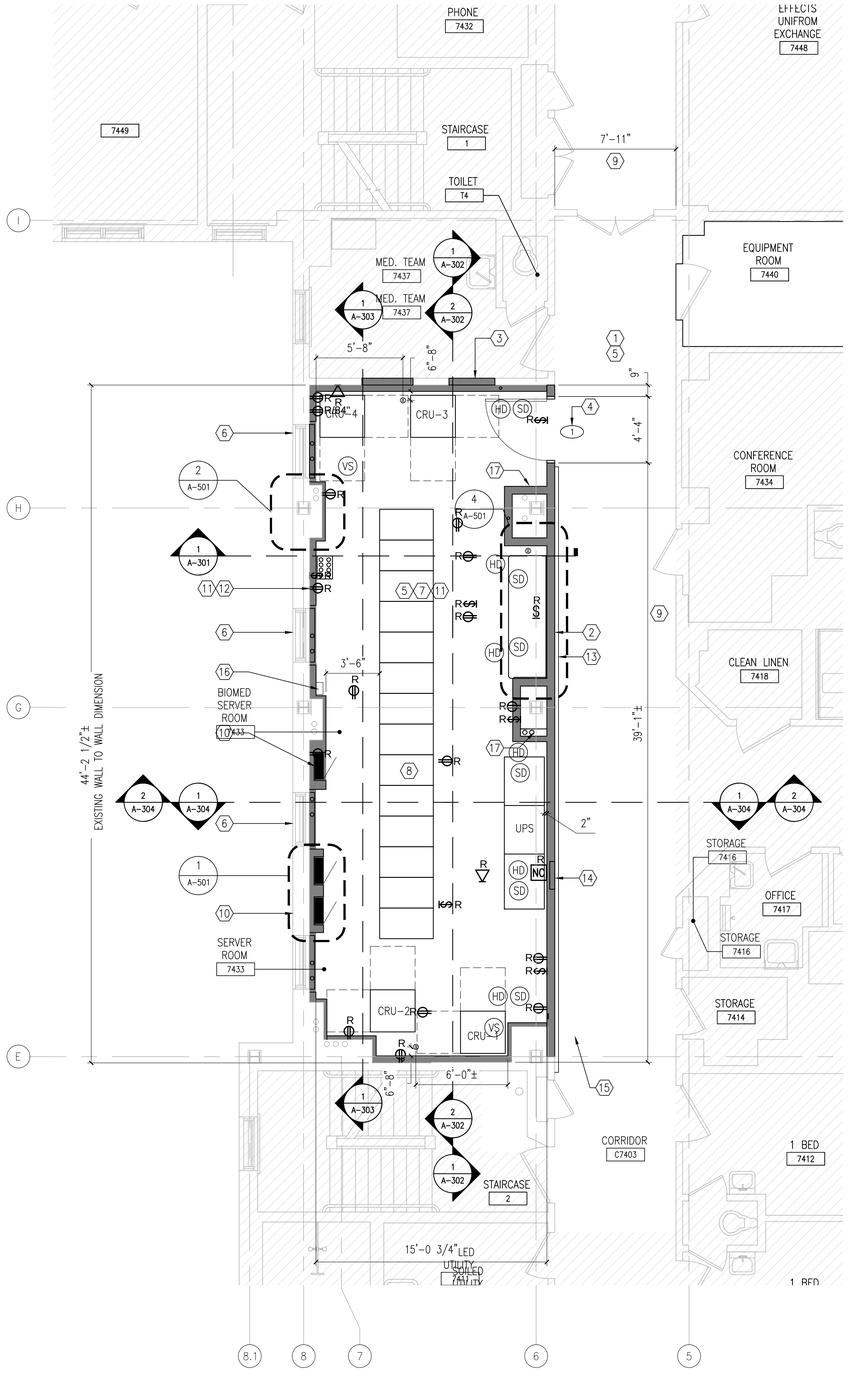
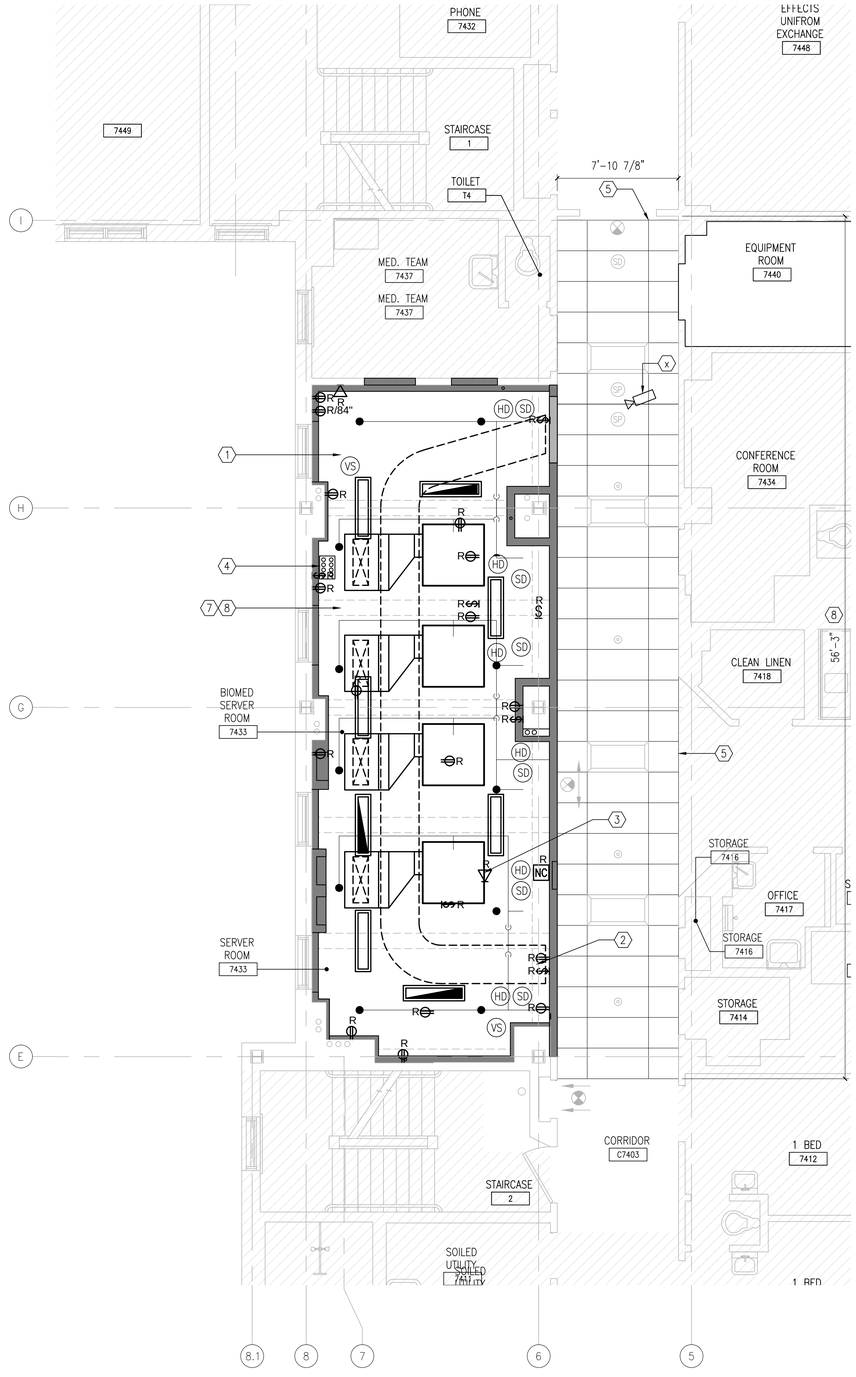


NORTH

1 PARTIAL SEVENTH FLOOR - CONSTRUCTION FLOOR PLAN
1/4"=1'-0"



NORTH

2 PARTIAL SEVENTH FLOOR - REFLECTED CEILING PLAN
1/4"=1'-0"

(X) CONSTRUCTION PLAN NOTES

1. REMOVE THE TEMPORARY CONSTRUCTION BARRIER AT PROJECT COMPLETION PHASE.
2. FURNISH AND INSTALL INTERIOR PARTITIONS DENOTED. REFER TO TYPICAL PARTITION DETAIL.
3. IN-FILL THIS OLD DOOR OPENING WITH 2 LAYERS OF 5/8" GYP. BD. PANELS EACH SIDE OF 3-5/8" METAL STUDS, 20 GAUGE, INSULATE STUD SPACE WITH 3" THICK FIBER GLASS BLANKETS.
4. FURNISH AND INSTALL DOOR UNIT. REFER TO DRAWING A-601 FOR DOOR AND FRAME INFORMATION.
5. FURNISH AND INSTALL FINISH FLOORING SYSTEM WITHIN PROJECT AREA. REFER TO ROOM FINISH SCHEDULE ON DRAWING I-101 FOR ADDITIONAL INFORMATION.
6. EXISTING WINDOW UNITS.
7. CLEAN EXISTING CONCRETE STRUCTURE ABOVE PROJECT AREA PRIOR TO FINISH PAINTING SCOPE OF WORK. IN-FILL ALL OLD HOLES WHICH ARE LOCATED IN THE EIGHT FLOOR DECK. THE EIGHTH FLOOR DECK IS A 4" THICK CONCRETE FLOOR STRUCTURE.
8. INDICATES EQUIPMENT CABINETS TO BE FURNISHED AND INSTALLED BY THE OWNER. CONTRACTORS SHALL VERIFY FINAL EQUIPMENT RACK LOCATIONS WITH THE OWNER PRIOR TO INSTALLING ANY RELATED SERVICES.
9. INDICATES SUSPENDED MECHANICAL UNITS OVERHEAD. REFER TO MECHANICAL DRAWINGS FOR ALL LOCATIONS AND FOR ASSOCIATED SERVICE PIPING ROUTING.
10. INDICATES RECESSED MOUNTED ELECTRICAL PANELS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
11. REFER TO EIGHTH, NINTH AND TENTH LEVEL ARCHITECTURAL FLOOR PLANS FOR SCOPE OF WORK RELATED TO THE MECHANICAL PIPE ENCLOSURES.
12. REFER TO ELEVENTH LEVEL ROOF PLAN FOR LOCATION OF ROOF TOP CONDENSING UNITS AND THE PIPING PENETRATIONS AND RELATED ROOFING SYSTEM SCOPE OF WORK.
13. INSTALL SALVAGED MARKER BOARD.
14. LOCATION FOR REINSTALLATION OF EXISTING MEDICAL GAS CONTROL BOX.
15. REFER TO DRAWING I-101 FOR CORRIDOR FLOOR TILE WORK.
16. LEAK DETECTOR PANEL. REFER TO ELECTRICAL DRAWING E-101
17. CONSTRUCT PIPE/COLUMN ENCLOSURES TO THE SMALLEST SIZE POSSIBLE

(X) REFLECTED CEILING PLAN NOTES

1. FILL ALL OLD DECK HOLES WHERE DECK ANCHOR ARE SCHEDULED TO BE REMOVED. IN-FILL WITH INJECTABLE CONCRETE SYSTEM. TWO COMPONENT, 100% SOLIDS, HIGH MODULUS, STRUCTURAL EPOXY PASTE. MOISTURE INSENSITIVE, NON-SAG EPOXY. TENSION LOAD (1/2"): 22,338 LBS. TEMPERATURE RANGE: 35°F (1.7°C) – 115°F (46°C) WARRANTY: ONE(1) YEAR. APPROVALS/LISTINGS: ICC-ER-4996 MEETS ASTM C881-99,TYPE I, II, AND V, GRADE 3, CLASS B AND C.
2. INDICATES SUSPENDED CABLE TRAY SYSTEMS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
3. INDICATES SUSPENDED MECHANICAL UNITS. REFER TO MECHANICAL DRAWINGS FOR ALL LOCATIONS AND FOR ASSOCIATED SERVICE PIPE ROUTING.
4. INDICATES VERTICAL PIPE ROUTE UP THROUGH EIGHTH FLOOR DECK.
5. FURNISH AND INSTALL SUSPENDED CEILING SYSTEM TO POINTS INDICATED.
6. REFER TO EIGHTH, NINTH AND TENTH LEVEL ARCHITECTURAL FLOOR PLANS FOR SCOPE OF WORK RELATED TO THE MECHANICAL PIPE ENCLOSURES.
7. REFER TO BUILDING SECTIONS ON DRAWING A-303 AND A-304 FOR ADDITIONAL INFORMATION.
8. INDICATES EXISTING CONCRETE FLOOR BEAMS

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

ISSUED FOR SOLICITATION	08/01/2016
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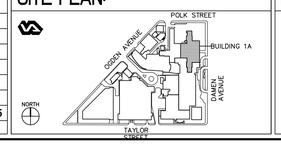
Revisions:	Date

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: PARTIAL SEVENTH FLOOR - CONSTRUCTION PLAN	Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM		Project Number: 537-13-127
			Building Number: 1A
Approved: Project Director	Location: CHICAGO, ILLINOIS		Drawing Number: A-101
	Date: 12/03/2015	Checked: EM	Drawn: CM + JS

Office of Construction and Facilities Management
Department of Veterans Affairs

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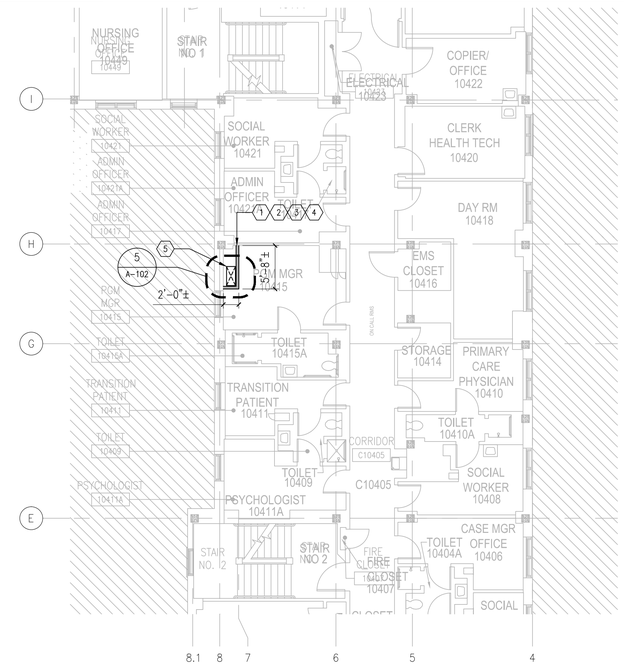
VA FORM 08-6231

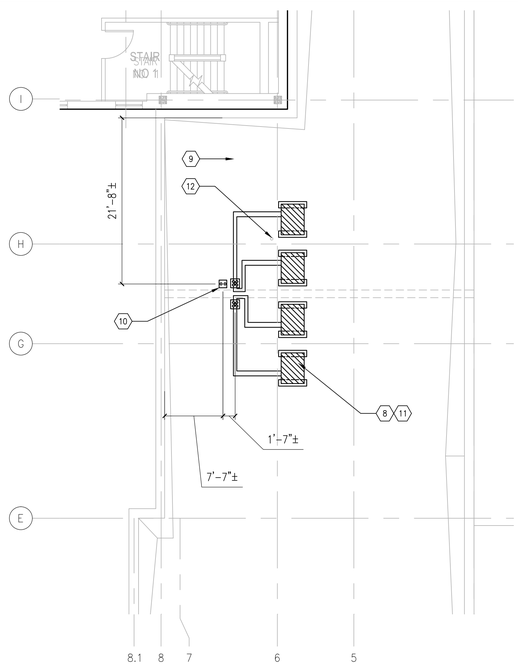
K:\CCG_PROJECTS\2013\13-105 - Jesse Brown (AE) Design IDIQ VA69D-13-D-0042\Task Order No. 09 - BioMed Server Room 537-14-127\400- D537.13.127.A-101.dwg 8-01-16 02:27:26 PM ABlessman



NORTH

3 PARTIAL TENTH FLOOR - CONSTRUCTION PLAN

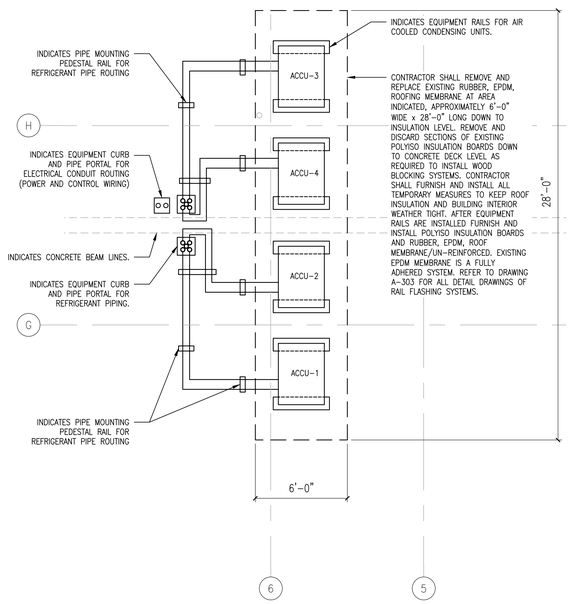
1/8"=1'-0"



NORTH

4 PARTIAL ELEVENTH FLOOR LEVEL/ROOF DECK - CONSTRUCTION PLAN

1/8"=1'-0"



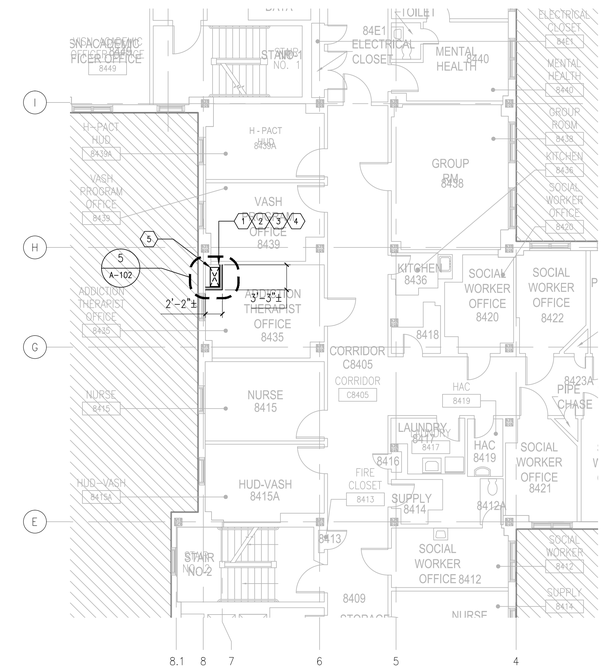
NORTH

6 PARTIAL DETAIL ROOF PLAN

1/4"=1'-0"

X CONSTRUCTION PLAN NOTES

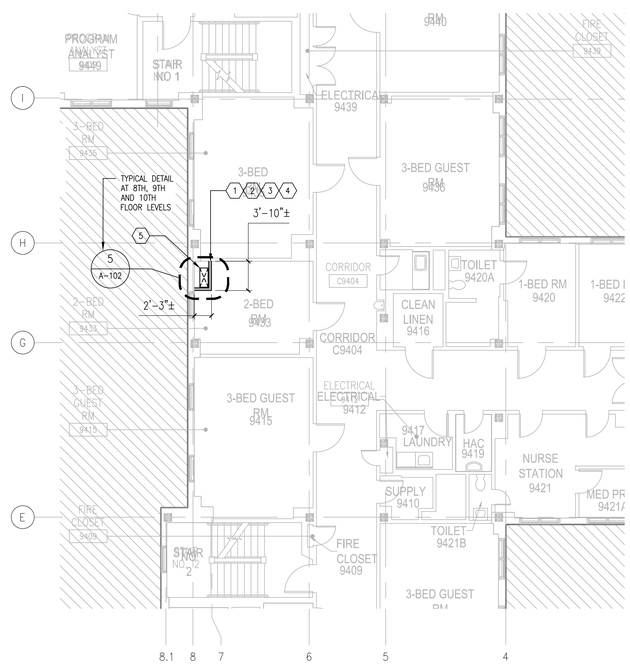
1. INDICATES GYPSUM BOARD PIPE ENCLOSURE/PIPE CHASE.
2. CONTRACTOR SHALL PATCH ALL FLOORING FINISHES. REFER TO ROOM FINISH SCHEDULE FOR SCHEDULE OF CURRENT/EXISITNG MATERIALS.
3. FURNISH AND INSTALL 4" RUBBER WALL BASE ALONG GYPSUM BOARD PIPE ENCLOSURE WALL FACES. CUT AND PATCH ADJACENT WALL BASE MATERIAL.
4. REFER TO ROOM FINISH SCHEDULE FOR ALL PAINTING NOTES.
5. INDICATES FLOOR DECK OPENING FOR ROUTING SPACE FOR REFRIGERANT PIPING AND CONDUIT RUNS.
6. REFER TO DRAWING A-103 FOR REFLECTED CEILING PLAN AND RELATED NOTES.
7. REFER TO DRAWING A-104 FOR FURNITURE PLAN AND RELATED SCOPE OF WORK.
8. FURNISH AND INSTALL RUBBER, EPDM, MEMBRANE ROOF FLASHING AT EQUIPMENT SUPPORT CURBS AND PIPE PENETRATION CURB. FURNISH MATCHING INSULATION BOARD TYPE AND THICKNESS, VERIFY EXACT THICKNESS AFTER ROOF IS OPENED. ROOF INSULATION IS POLYISOCYANURATE TYPE INSULATION BOARD.
9. CONTRACTOR SHALL STAY CLEAR OF ROOF MOUNTED SATELLITE DISH UNITS AND RESPECTIVE CABLING.
10. INDICATES LOCATION OF ROOF DECK OPENING. VERIFY EXACT LOCATION IN THE FIELD PRIOR TO CUTTING ROOFING SYSTEM.
11. REFER TO COVER DRAWING G-000 FOR DESCRIPTION ON BID ITEM NO.2 SCOPE OF WORK RELATED TO THE ACCU 2 AND ACCU-4 UNITS.
12. EXISTING VENT STACK TO REMAIN.



NORTH

1 PARTIAL EIGHTH FLOOR - CONSTRUCTION PLAN

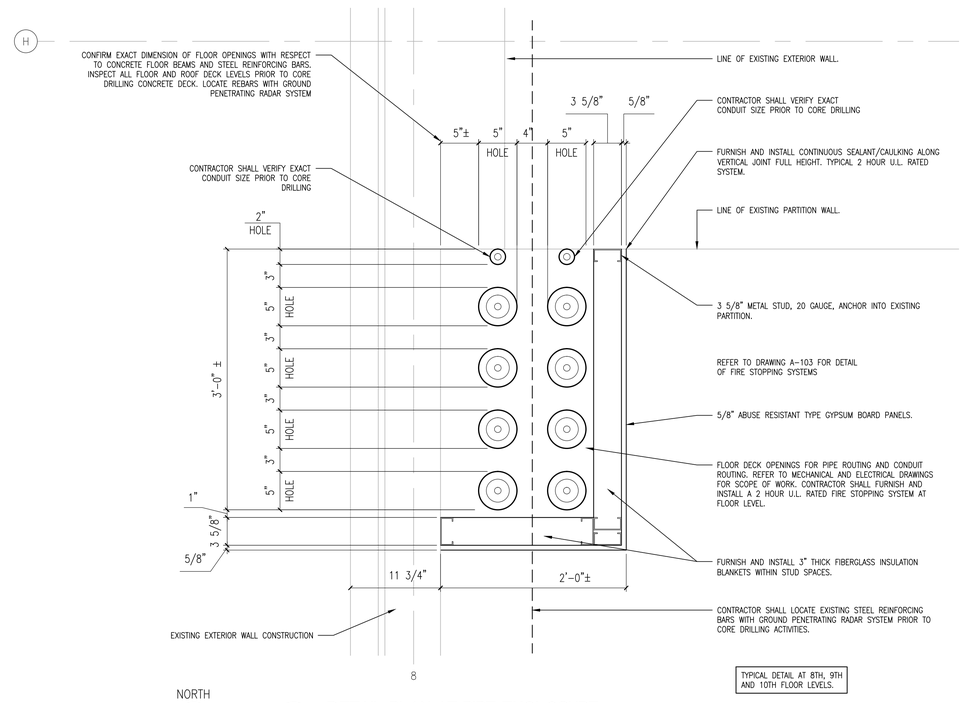
1/8"=1'-0"



NORTH

2 PARTIAL NINTH FLOOR - CONSTRUCTION PLAN

1/8"=1'-0"



NORTH

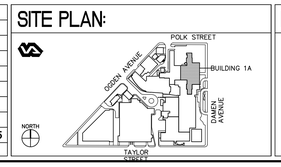
5 DETAIL PLAN AT PIPE ENCLOSURE

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

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015
Revisions	Date

SITE PLAN:



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Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: PARTIAL EIGHTH FLOOR TO ROOF DECK - CONSTRUCTION PLAN

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: EM | Drawn: CM + JS

Project Number: 537-13-127

Building Number: 1A

Drawing Number: A-102

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

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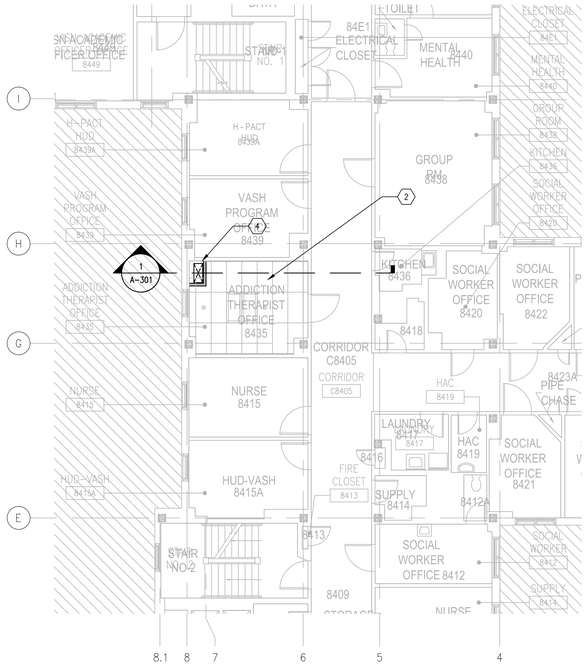
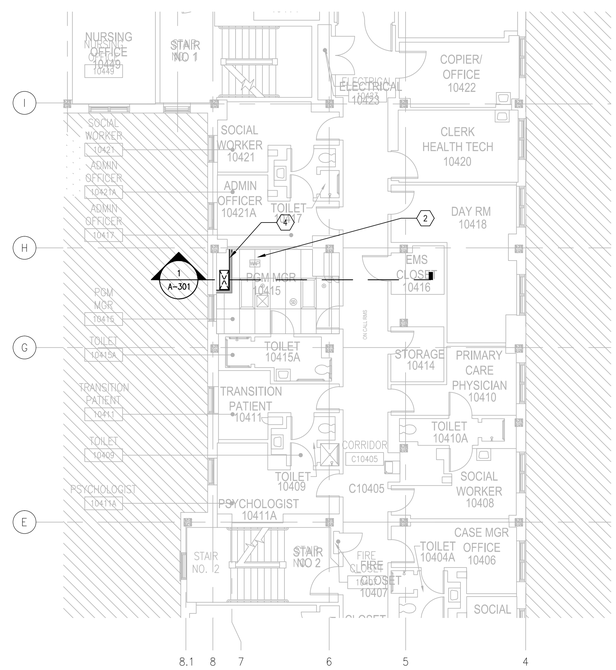
one eighth inch = one foot | one quarter inch = one foot | three eighths inch = one foot | one half inch = one foot | three quarters inch = one foot | one inch = one foot | one and one half inches = one foot | three inches = one foot
K:\CCG_PROJECTS\2013\13-105 - Jesse Brown (AE) Design IDIQ VA69D-13-D-0042\Task Order No. 09 - BioMed Server Room 537-14-127\400- D537.13.127.A-102.dwg 8-01-16 02:28:26 PM ABlessman



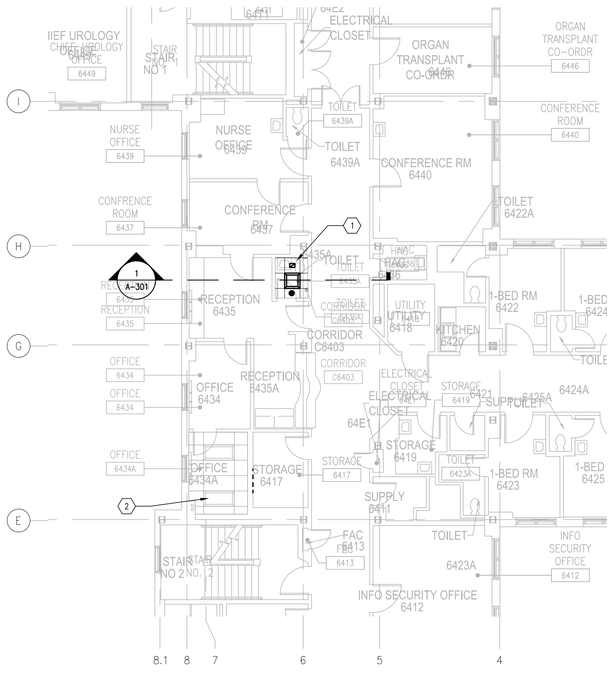
2 PARTIAL EIGHTH FLOOR - CONSTRUCTION PLAN

1/8"=1'-0"



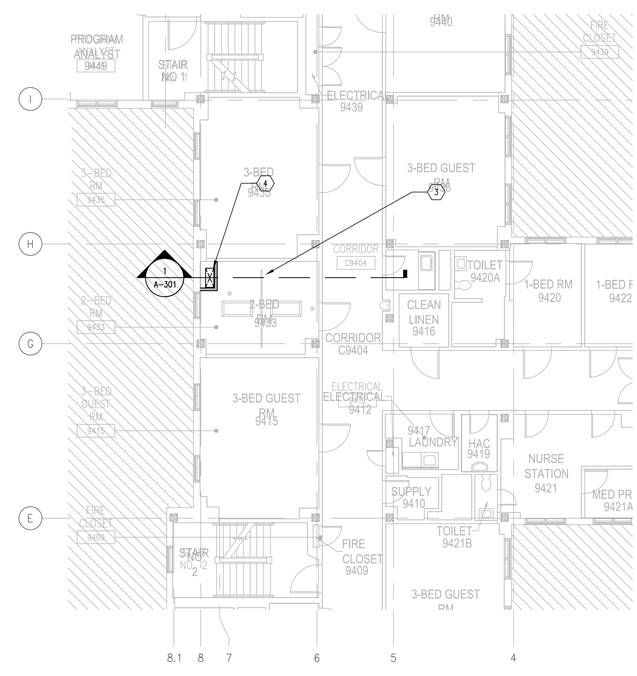
4 PARTIAL TENTH FLOOR - CONSTRUCTION PLAN

1/8"=1'-0"



1 PARTIAL SIXTH FLOOR - CONSTRUCTION PLAN

1/8"=1'-0"



3 PARTIAL NINTH FLOOR - CONSTRUCTION PLAN

1/8"=1'-0"

REFLECTED CEILING PLAN NOTES

1. INDICATES SUSPENDED CEILING SYSTEM AND RELATED CEILING ITEMS, LAY-IN TYPE LIGHT FIXTURE, SPRINKLER HEAD AND TOILET EXHAUST GRILLE. RECONNECT TOILET EXHAUST DUCT TO CEILING GRILLE.
2. CONTRACTOR SHALL REINSTALL THE SUSPENDED CEILING SYSTEM AT ROOMS AND SPACES DENOTED WITH THIS PLAN NOTE AFTER SCHEDULED WORK IS COMPLETED. FURNISH AND INSTALL CEILING TILE PANELS TO MATCH EXISTING. EXISTING PANELS ARE NOMINAL 48" x 24" x 3/4". REUSE EXISTING SUSPENSION SYSTEM COMPONENTS. FURNISH AND INSTALL SUSPENSION SYSTEM IF EXISTING COMPONENTS CANNOT BE REUSED.
3. EXISTING PLASTER CEILING TO BE CLEANED AT PROJECT COMPLETION PHASE OF WORK. GYPSUM BOARD PARTITION IS SCHEDULED TO BE INSTALLED TO BOTTOM OF PLASTER CONSTRUCTION.
4. INDICATES GYPSUM BOARD PIPE ENCLOSURE AND FLOOR DECK OPENINGS. FLOOR DECK SHALL BE PROVIDED WITH A 2 HOUR U.L. FIRE RATED ASSEMBLY. REFER TO DRAWING A-102 FOR DETAIL AT PIPE ENCLOSURES.

OCCUPIED AREA - AFTER HOURS PROTECTION PROTOCOLS

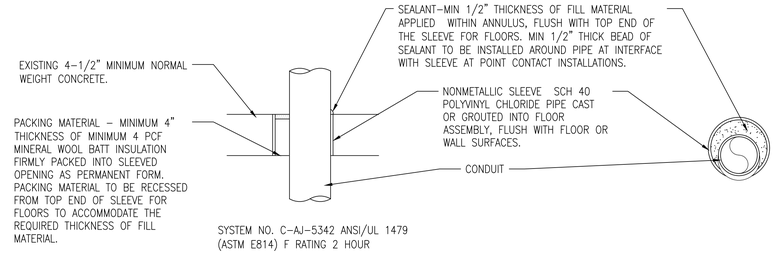
WHEN PERFORMING WORK (DEMOLITION OR NEW) IN OCCUPIED SPACES, THE FOLLOWING PROTECTION PROTOCOLS WILL BE FOLLOWED ON A DAILY BASIS UNLESS MODIFIED IN WRITING BY THE COR ON A CASE BY CASE BASIS:

1. CAREFULLY MOVE/RELOCATE ANY FURNITURE, EQUIPMENT, BOXES, FILES, SIGNAGE, WALL HUNG ITEMS, BLINDS, CURTAINS, ETC. THAT ARE IN THE AREA/ZONE WHERE THE WORK IS TO BE ACCOMPLISHED AND IN DANGER OF BEING DAMAGED BY THE PERFORMANCE OF THE WORK, INCLUDING DAMAGE THAT CAN BE CAUSED BY FALLING OBJECTS, DUST OR MOISTURE NOTE: THIS ALSO APPLIES TO THE DIRECT ACCESS ROUTE THRU THE OCCUPIED AREA TO AND FROM THE ACTUAL WORK AREA/ZONE
2. CAREFULLY PROVIDE FULL PROTECTIVE DUST, MOISTURE AND DAMAGE PREVENTION BARRIERS/COVERS FOR ALL SUCH ITEMS ADDRESSED ABOVE INCLUDING THE ADDITIONAL PROTECTION OF ALL WALL SURFACES/FINISHES, WINDOWS/GLAZING, DOORS, FRAMES, HARDWARE, CARPETING, FLOOR COVERINGS, WALL BASE, CEILING CONSTRUCTION, TILE, GRID, WALL ANGLES, LIGHT FIXTURES, DIFFUSERS, GRILLES, ETC.
3. FLOOR FINISHES SHALL BE PROTECTED THROUGHOUT THE AREA WITH A 6 MIL HEAVY DUTY REINFORCED POLY SHEETING (VISQUEEN) TEMPORARY TARPAULIN(S)/DROP CLOTH(S) AS A MINIMUM FOR DUST, MOISTURE AND VERY LIGHT FOOT TRAFFIC PROTECTION
4. ALL MAIN TRAFFIC AREAS TO AND FROM ALONG WITH INSIDE THE WORK ZONE/AREAS SHALL HAVE ADDITIONAL PROTECTION PROVIDED OVER THE 6 MIL HEAVY DUTY REINFORCED POLY SHEETING (VISQUEEN), IN THE FORM OF FULL SHEETS OF 3/16" TEMPERED HARDBOARD (MASONITE) 4'X8' PANELS. ALL MASONITE PANELS SHALL BE FIRMLY HELD TOGETHER AND SECURED IN PLACE VIA THE USE OF AN INDUSTRY APPROVED 2" HEAVY DUTY CONSTRUCTION ADHESIVE TAPE, INTENDED FOR THIS APPLICATION NOTE: ALL BOARD TO BOARD JOINTS WILL BE FULLY TAPED THE LENGTH OF THE JOINT AND ALL BOARD TO VISQUEEN JOINTS WILL BE TAPED AT 4' ON CENTER WITH A MINIMUM 8" LENGTH OF TAPE. PAINTERS TAPE AND/OR MASKING TAPE ARE NOT CONSIDERED EQUIVALENTS TO THE HD CONSTRUCTION ADHESIVE TAPE BEING SPECIFIED

OCCUPIED AREA

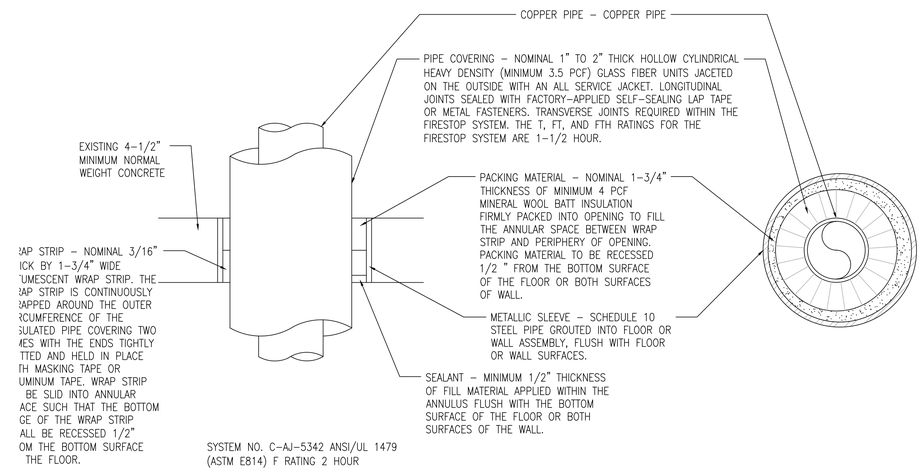
AFTER HOURS PROTECTION PROTOCOLS

5. CONSTRUCT A TEMPORARY FULL HEIGHT, FULLY SEALED, CONTAINMENT ENCLOSURE AROUND ALL CONSTRUCTION AREAS/ZONES IN ORDER TO CONTAIN AS MUCH DUST AND DEBRIS AS POSSIBLE DURING THE PERFORMANCE OF ANY DEMOLITION, CONSTRUCTION AND CLEAN-UP WORK
6. THE TEMPORARY FULL HEIGHT CONTAINMENT ENCLOSURES SHOULD BE CONSTRUCTED OF A MINIMUM 6 MIL HEAVY DUTY REINFORCED POLY SHEETING (VISQUEEN) WITH THE USE OF THE APPROPRIATE TELESCOPICALLY ADJUSTABLE ALUMINUM OR METAL VERTICAL SPRING LOADED SUPPORT STUDS/POLES. FULL HEIGHT FOAM PADDED RAILS, PRESSURE FIT AT ALL PERIMETER WALL/PARTITION CONNECTION CONDITIONS ARE TO BE UTILIZED IN ORDER TO MINIMIZE THE USE OF TAPE SEALS ON ALL FINISHED WALL SURFACES
7. WHEN ALL WORK IS COMPLETED FOR THE PREARRANGED SPECIFIC LOCATION(S), SCHEDULED TASKING AND IDENTIFIED PERIOD OF TIME THE ENTIRE AREA IS TO BE FULLY CLEANED-UP, ALL TEMPORARY CONTAINMENT ENCLOSURES AND PROTECTION REMOVED WITH ALL FURNITURE AND EQUIPMENT RETURNED TO THEIR PRIOR FUNCTIONING POSITIONS NOTE: FULLY CLEANED-UP MEANS COMMERCIALLY VACUUM CLEANED WITH ALL SURFACES BEING FULLY WIPED DOWN AND DUST FREE AS ACCEPTED PRIOR TO THE CONTRACTORS WORK
8. ALL SPACES WILL BE RETURNED TO THE USER, BY THE CONTRACTOR, AS A COMMERCIALLY CLEAN ENVIRONMENT WITH ALL OPEN CONSTRUCTION SURFACES SEALED WITH TEMPORARY CONSTRUCTION MATERIALS INCLUDING THE USE OF 6 MIL HEAVY DUTY REINFORCED POLY SHEETING (VISQUEEN), IN ORDER TO AVOID DUST PARTICLES FROM THE CONSTRUCTION AREA MIGRATING INTO THE OCCUPIED USERS AREA/SPACE/ROOM(S)
9. UNLESS DIRECTLY SPECIFIED AND CONFIRMED BY THE COR, ALL TEMPORARY PROTECTION AND ENCLOSURES ARE TO BE SET-UP AND KNOCKED-DOWN ON A DAILY BASIS SUCH THAT THE USERS OF THE OCCUPIED AREAS ARE NOT TO BE INCONVENIENCED AND PREVENTED FROM FUNCTIONING WITHIN THEIR SPACE/AREA/ROOM(S) DURING THEIR NORMAL BUSINESS HOURS OF OPERATION



6 DETAIL

NTS



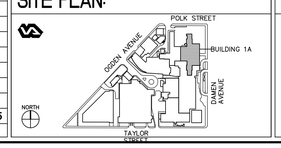
5 DETAIL

NTS

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

Revisions	Date
ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015

SITE PLAN:



ENGINEERS + CONSULTANTS:

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BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
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T: 847.952.9362 F: 847.952.9403
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Bancroft-AE Project No. 13-105-009

Drawing Title: PARTIAL SIXTH AND EIGHTH TO TENTH FLOOR - REFLECTED CEILING PLAN

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Project Number: 537-13-127

Building Number: 1A

Approved Project Director

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: EM | Drawn: CM + JS

Drawing Number: A-103

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

ISSUED FOR BIDS - NOT FOR CONSTRUCTION

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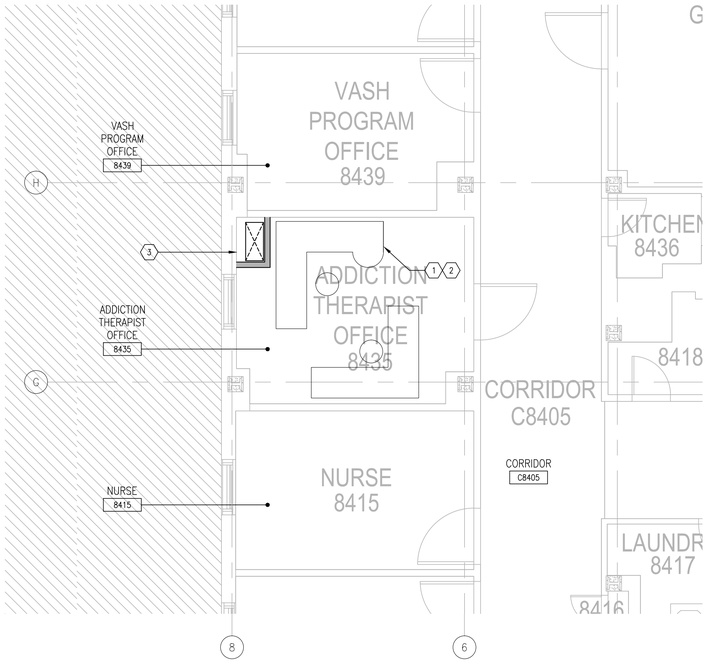
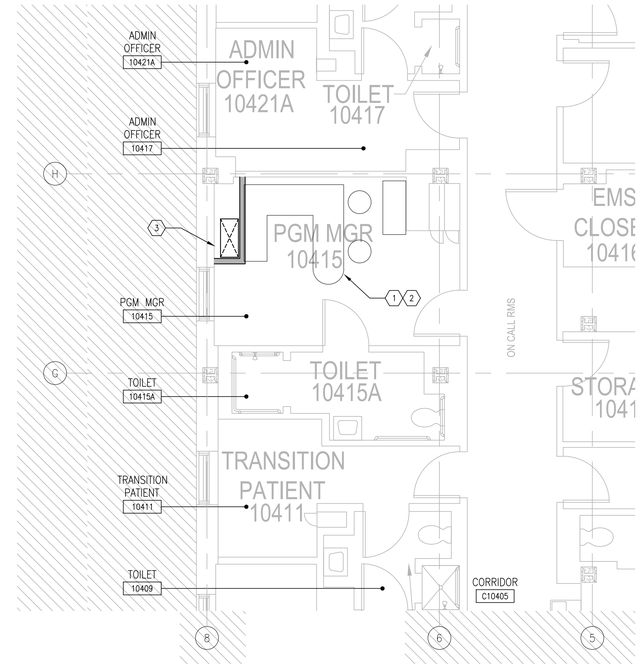
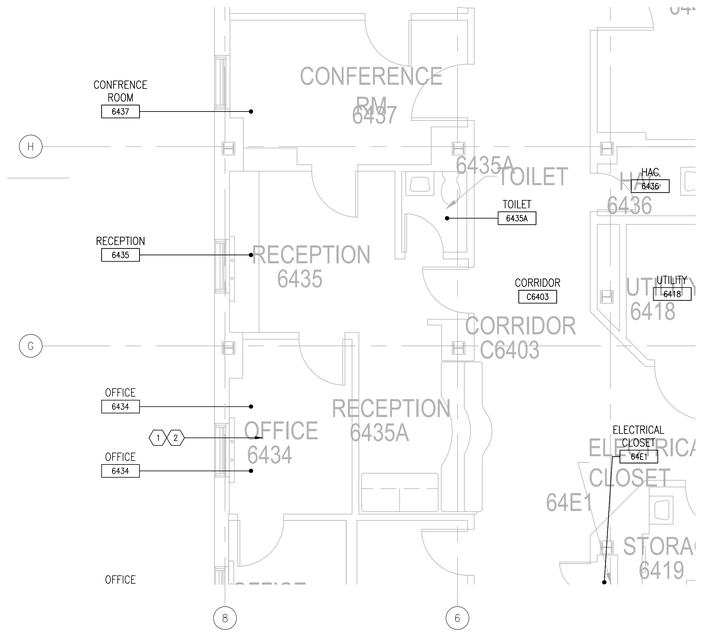


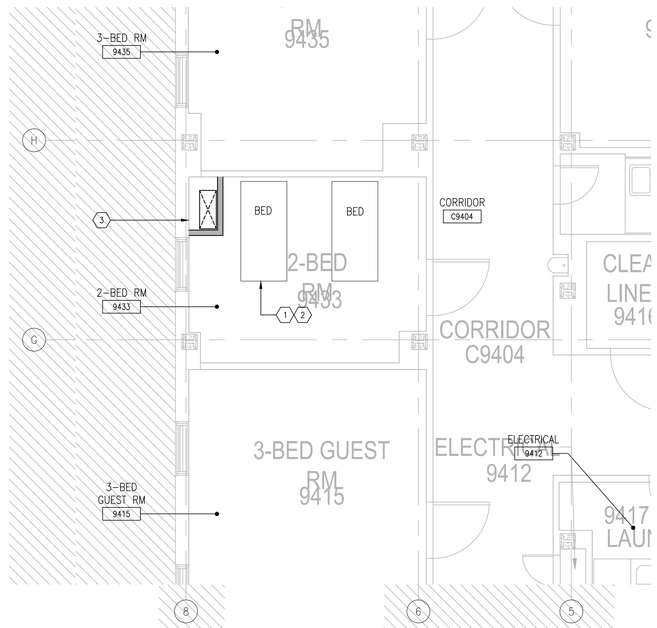
1 PARTIAL EIGHTH FLOOR - FURNITURE PLAN
1/4"=1'-0"



3 PARTIAL TENTH FLOOR - FURNITURE PLAN
1/4"=1'-0"



1 PARTIAL SIXTH FLOOR - FURNITURE PLAN
1/4"=1'-0"



2 PARTIAL NINTH FLOOR - FURNITURE PLAN
1/4"=1'-0"

(X) FURNITURE PLAN NOTES

1. CONTRACTOR SHALL RELOCATE EXISTING FURNITURE SYSTEMS AS INDICATED ON THE VARIOUS FLOOR PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR DISASSEMBLING AND RE-ASSEMBLING FURNITURE SYSTEMS IF THEY CANNOT BE MOVED AS A UNIT WITHOUT DAMAGE.
2. CONTRACTOR SHALL COMPLETE FINAL CLEANING OF FURNITURE SYSTEM COMPONENTS AT PROJECT COMPLETION PHASE OF WORK.
3. INDICATES GYPSUM BOARD PIPE CHASE ENCLOSURE. REFER TO OTHER ARCHITECTURAL DRAWINGS FOR DETAILING AND DIMENSIONS.

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

Revisions	Date
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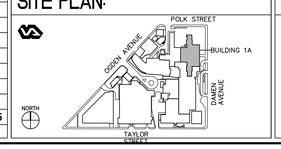
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015

SITE PLAN:



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700 Nicholas Blvd. Suite 403
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Bancroft-AE Project No. 13-105-009

Drawing Title	PARTIAL SIXTH AND EIGHTH TO TENTH FLOOR - FURNITURE PLAN
Project Title	JESSE BROWN VAMC BIOMED SERVER ROOM
Project Number	537-13-127
Building Number	1A
Approved: Project Director	
Location	CHICAGO, ILLINOIS
Date	12/03/2015
Checked	EM
Drawn	CM + JS
Drawing Number	A-104

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

ISSUED FOR BIDS - NOT FOR CONSTRUCTION

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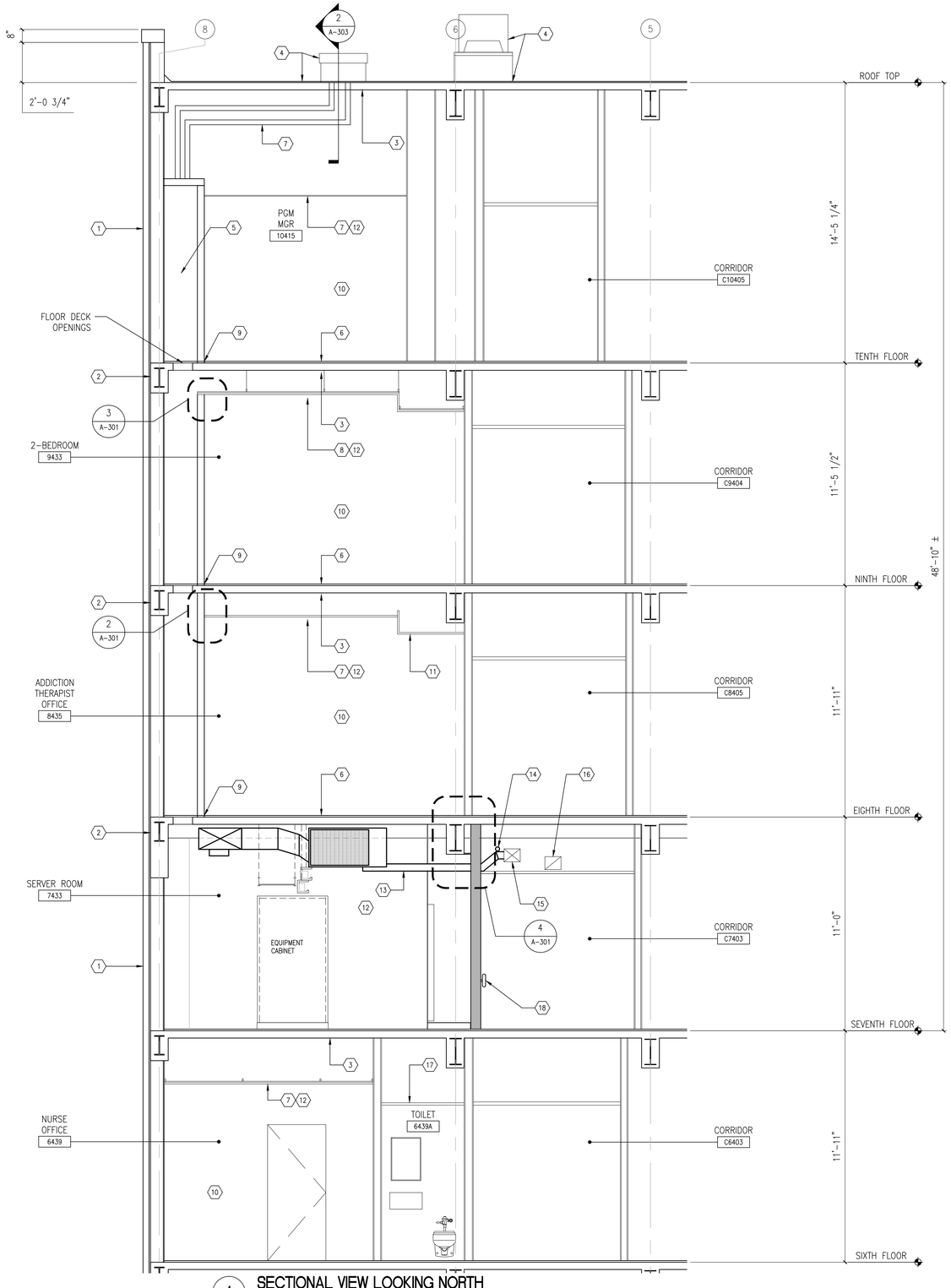
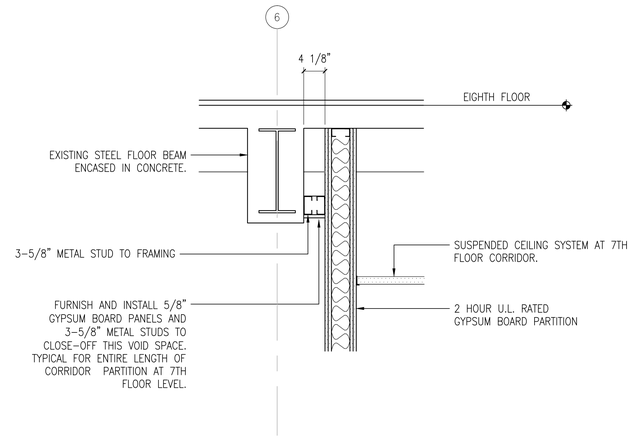
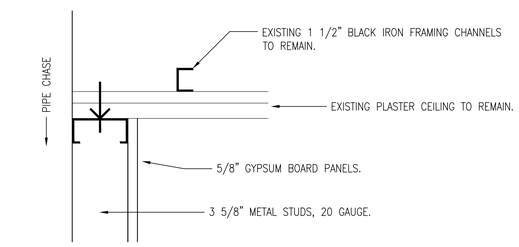


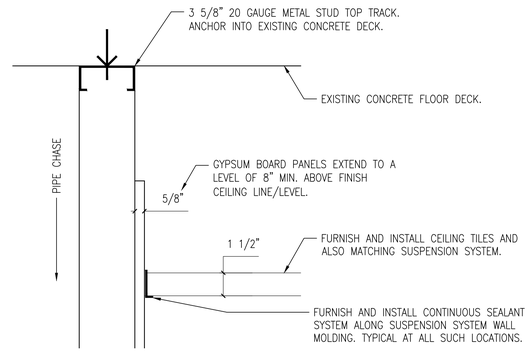
1 SECTIONAL VIEW LOOKING NORTH
3/8" =1'-0"



4 DETAIL SECTION
1" = 1'-0"



3 DETAIL SECTION
3" = 1'-0"



2 DETAIL SECTION
3" = 1'-0"

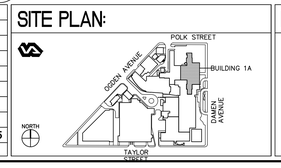
NOTES

1. EXTERIOR WALL CONSTRUCTION; NOMINAL 4" EXTERIOR FACE BRICK WITH CLAY TILE UNITS AND PLASTER ON WIRE LATH INTERIOR FINISH.
2. INDICATES EXISTING ORIGINAL STRUCTURAL STEEL FRAMING BEAMS ENCASED IN CONCRETE. NOTE THAT THE FLOOR BEAMS ARE VARIOUS DEPTHS.
3. INDICATES EXISTING ORIGINAL CONCRETE DECK. THE STRUCTURAL CONCRETE DECK IS A ONE WAY SLAB WITH STEEL REINFORCING BARS. STEEL REINFORCING RUNS IN THE NORTH/SOUTH DIRECTION. REFER DETAIL ON THIS DRAWING FOR STRUCTURAL STEEL FRAMING REQUIRED AT ALL SPECIFIED DECK OPENINGS.
4. INDICATES EXISTING ROOFING SYSTEM, RUBBER/EPDM MEMBRANE FULLY ADHERED ON RIGID INSULATION BOARDS ON CONCRETE DECK. CONTRACTOR SHALL FURNISH AND INSTALL RIGID INSULATION SYSTEM AND RUBBER/EPDM, MEMBRANE AT EQUIPMENT SUPPORT CURBS AND PIPE PENETRATION CURB. REFER TO DETAIL ON THIS DRAWING FOR NOTES. REFER TO ROOF PLAN ON DRAWING A-104 FOR LOCATION OF ROOF TOP CONDENSING UNITS RELATED EQUIPMENT SUPPORT SYSTEM.
5. INDICATES ROUTING OF REFRIGERANT PIPING FROM ROOF TOP CONDENSING UNITS. REFER TO MECHANICAL DRAWINGS FOR INFORMATION REGARDING INSULATION SPECIFICATIONS.
6. CONTRACTORS SHALL REFER TO DRAWING A-102 FOR NOTES REGARDING THE CURRENT FLOOR FINISHES AND RELATED SCOPE OF WORK.
7. INDICATES EXISTING SUSPENDED ACOUSTIC TILE CEILING SYSTEM. CONTRACTOR SHALL PROVIDE MATCHING SUSPENSION SYSTEM/GRID, AND ACOUSTIC TILES PANELS. REFER TO ROOM FINISH SCHEDULE ON DRAWING I-101 FOR ADDITIONAL NOTES.
8. INDICATES SUSPENDED PLASTER CEILING SYSTEM. CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL METAL FRAMING CHANNELS AND HANGER WIRES, 20 GAUGE, TO RE-SUPPORT CEILING SYSTEM WHICH REMAINS. REFER TO DETAILS ON THIS DRAWING.
9. INDICATES 4" HIGH RUBBER WALL BASE. FURNISH AND INSTALL WALL BASE AT GYPSUM BOARD PIPE ENCLOSURE AND AT ADJACENT WALL FACES.
10. CONTRACTOR SHALL REFER TO FURNITURE PLAN ON DRAWING A-104 FOR NOTES REGARDING THE REINSTALLATION OF ALL FURNITURE SYSTEMS.
11. INDICATES EXISTING PLASTER VALANCE/SOFFIT TO REMAIN.
12. EXISTING FIRE PROTECTION/SPRINKLER PIPING SYSTEM IS NOT INDICATED FOR DRAWING CLARITY.
13. BRANCH INDICATES SUPPLY DUCT LOCATION. REFER TO DRAWING M-101.
14. INDICATES EXISTING FIRE PROTECTION SPRINKLER PIPING MAIN AT CORRIDOR CEILING SPACE TO REMAIN. REFER TO FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.
15. INDICATES EXISTING SUPPLY DUCT AT CORRIDOR AREA TO REMAIN.
16. INDICATES EXISTING TOILET EXHAUST DUCT AT CORRIDOR AREA TO REMAIN.
17. SUSPENDED ACOUSTIC TILE CEILING SYSTEM. REFER TO DRAWING A-103.
18. WALL GUARD, FURNISH AND INSTALL 18 GAUGE METAL BACKING PLATE FOR FULL LENGTH.

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015
Revisions:	Date

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: BUILDING SECTION + DETAILS

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: EM | Drawn: CM + JS

Project Number: 537-13-127

Building Number: 1A

Drawing Number: A-301

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

ISSUED FOR BIDS - NOT FOR CONSTRUCTION

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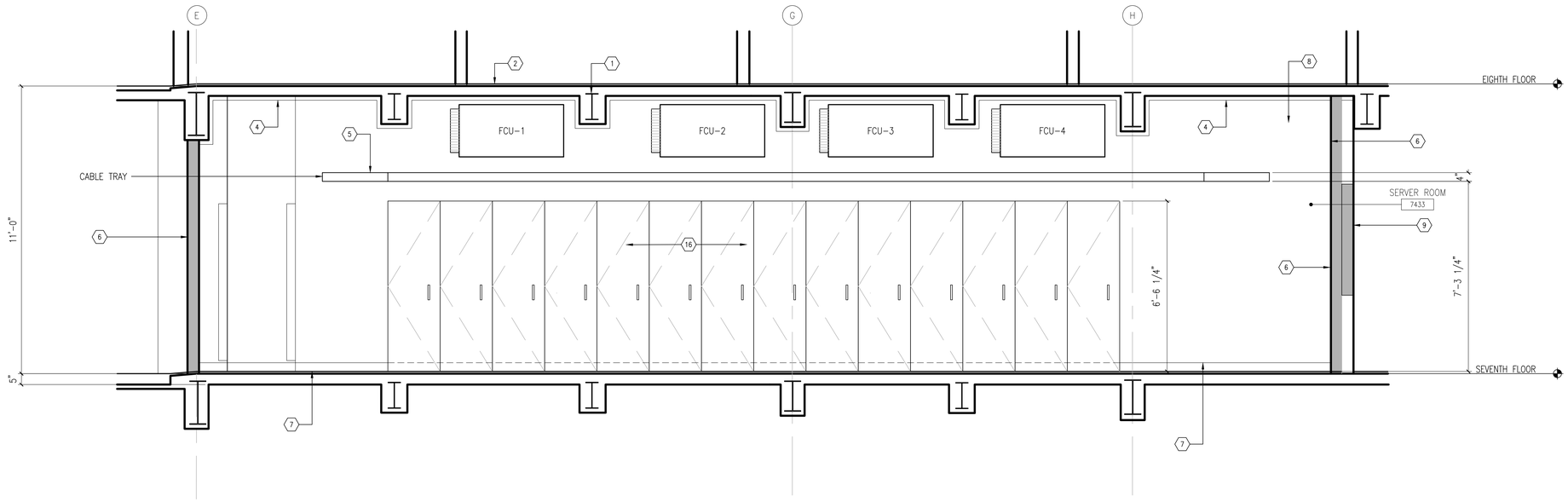
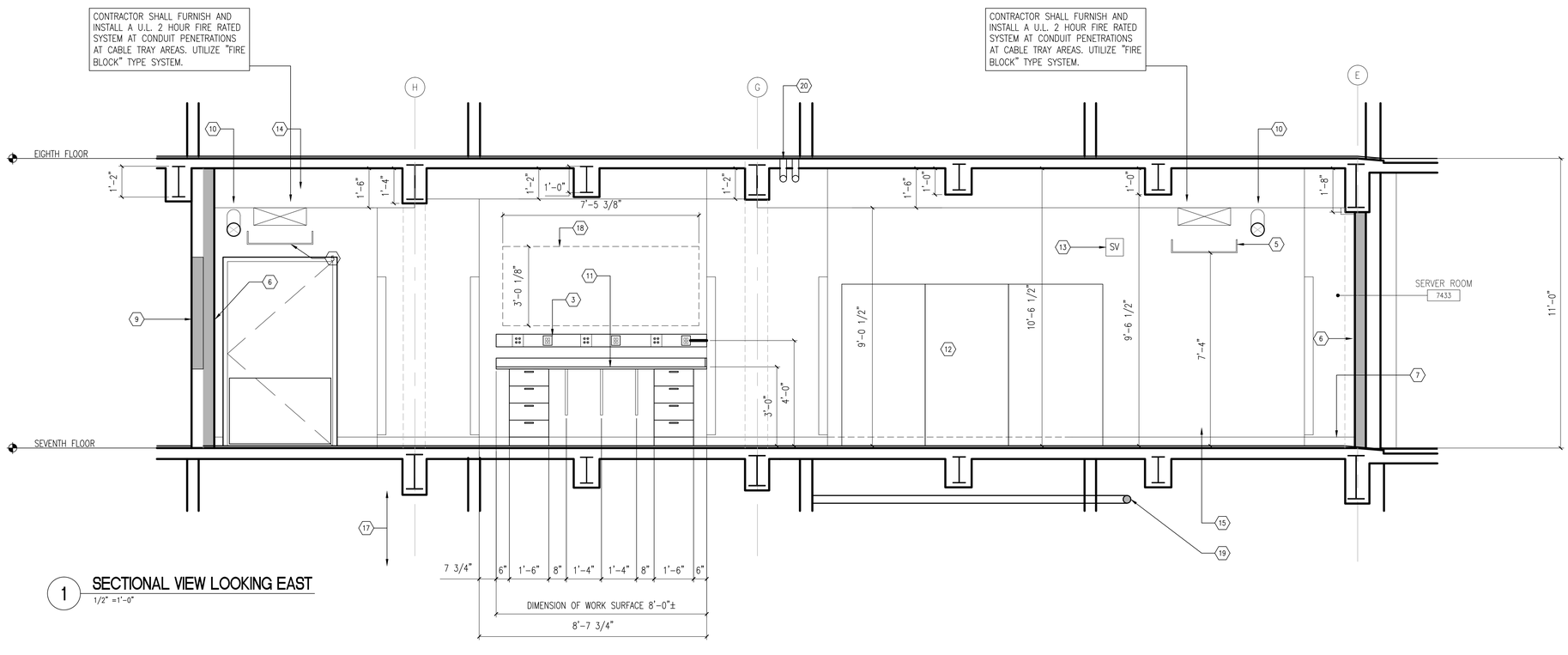


2 SECTIONAL VIEW LOOKING WEST

1/2" =1'-0"

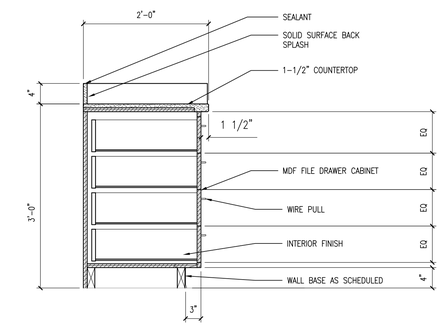


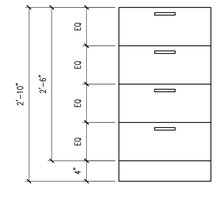
1 SECTIONAL VIEW LOOKING EAST

1/2" =1'-0"

NOTES

1. INDICATES EXISTING ORIGINAL STEEL FRAMING BEAM ENCASED IN CONCRETE. NOTE THAT THE FLOOR BEAMS ARE VARIOUS DEPTHS.
2. INDICATES EXISTING ORIGINAL CONCRETE DECK. REFER TO ORIGINAL STRUCTURAL DRAWING FOR STEEL REINFORCING WITHIN CONCRETE SLAB.
3. INDICATES SURFACE MOUNTED RACEWAY SYSTEM. REFER TO ELECTRICAL DRAWINGS.
4. EXTEND GYPSUM BOARD PARTITION SYSTEMS TO UNDERSIDE OF FLOOR DECK.
5. INDICATES SUSPENDED CABLE TRAY. REFER TO ELECTRICAL DRAWINGS.
6. INDICATES GYPSUM BOARD PANELS AND METAL FRAMING.
7. INDICATES 4" HIGH RUBBER WALL BASE.
8. PROVIDE GYPSUM BOARD PARTITION AND METAL FRAMING ALONG COMPLETE EXTERIOR WALL FACE. REFER TO BUILDING SECTIONS ON DRAWING A-302 FOR DETAILING AND SPECIFICATIONS.
9. GYPSUM BOARD PANELS AND METAL FRAMING AT EXISTING VISION PANEL UNIT.
10. INDICATES SHEET METAL SUPPLY DUCT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
11. INDICATES WORK SURFACE AND SUPPORT BRACKETS. REFER TO DETAIL SECTION.
12. INDICATES UPS SYSTEM CABINET. REFER TO ELECTRICAL DRAWINGS.
13. INDICATES FIRE ALARM DEVICES. REFER TO ELECTRICAL DRAWINGS.
14. LINE OF EXISITNG CONCRETE BEAM.
15. DOOR AND FRAME UNIT, REFER TO DRAWING A-601 FOR SPECIFICATIONS AND NOTES.
16. INDICATES EQUIPMENT CABINETS, FURNISHED AND INSTALLED BY VA.
17. REFER TO PARTIAL SIXTH FLOOR PLANS FOR SCOPE OF WORK REQUIRED AT VARIOUS MECHANICAL AND PLUMBING PIPING SYSTEMS.
18. 18 GAUGE METAL BACKING PLATE. ATTACH TO METAL WALL STUDS BEHIND GYPSUM BOARD PANELS.
19. INDICATES WATER PIPING ABOVE 6TH FLOOR SUSPENDED CEILINGS
20. INDICATES EXISTING COLD WATER AND HOT WATER PIPES AT EIGHTH FLOOR LEVEL.

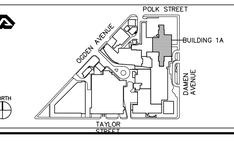




IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

Revisions	Date
ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015

SITE PLAN:



ENGINEERS + CONSULTANTS:

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BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: BUILDING SECTIONS

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: EM | Drawn: CM + JS

Project Number: 537-13-127

Building Number: 1A

Drawing Number: A-302

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

ISSUED FOR BIDS - NOT FOR CONSTRUCTION

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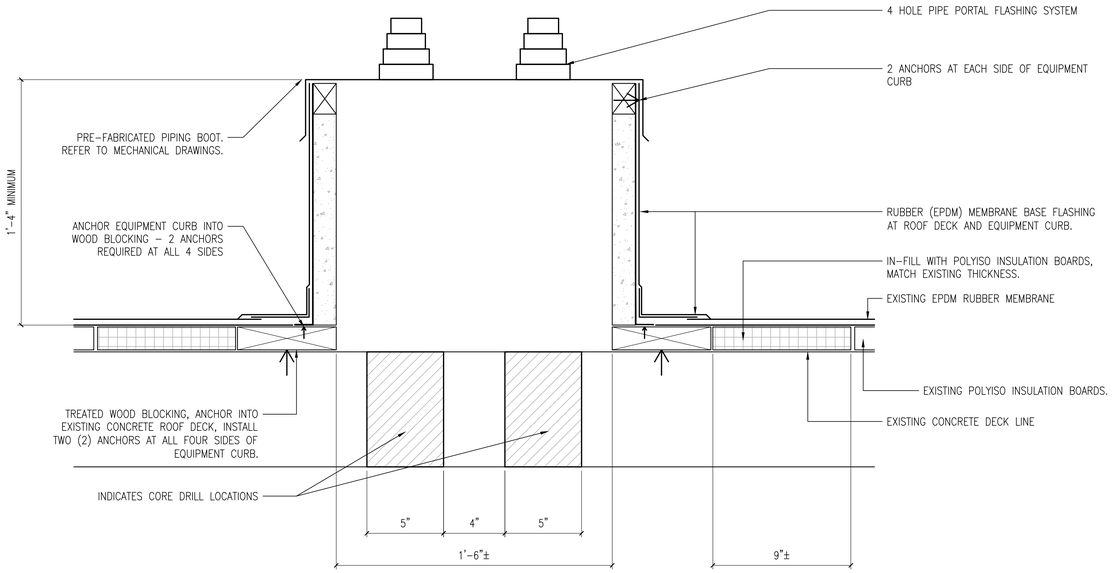
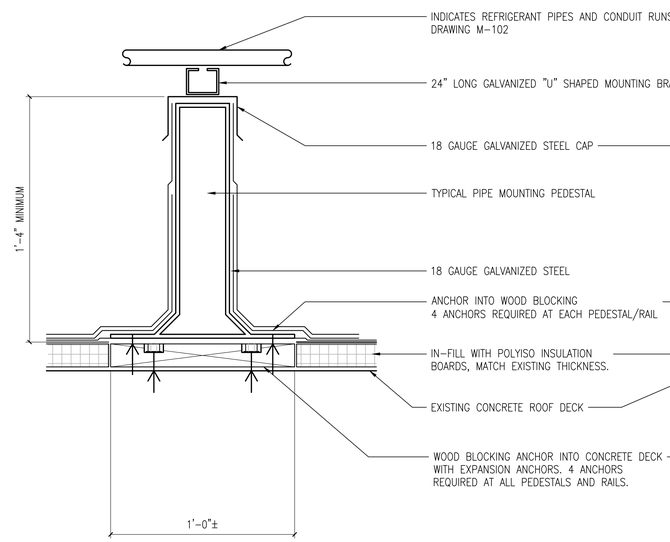
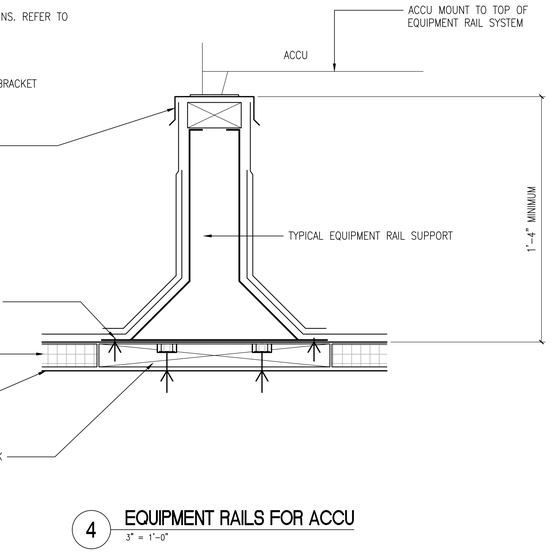


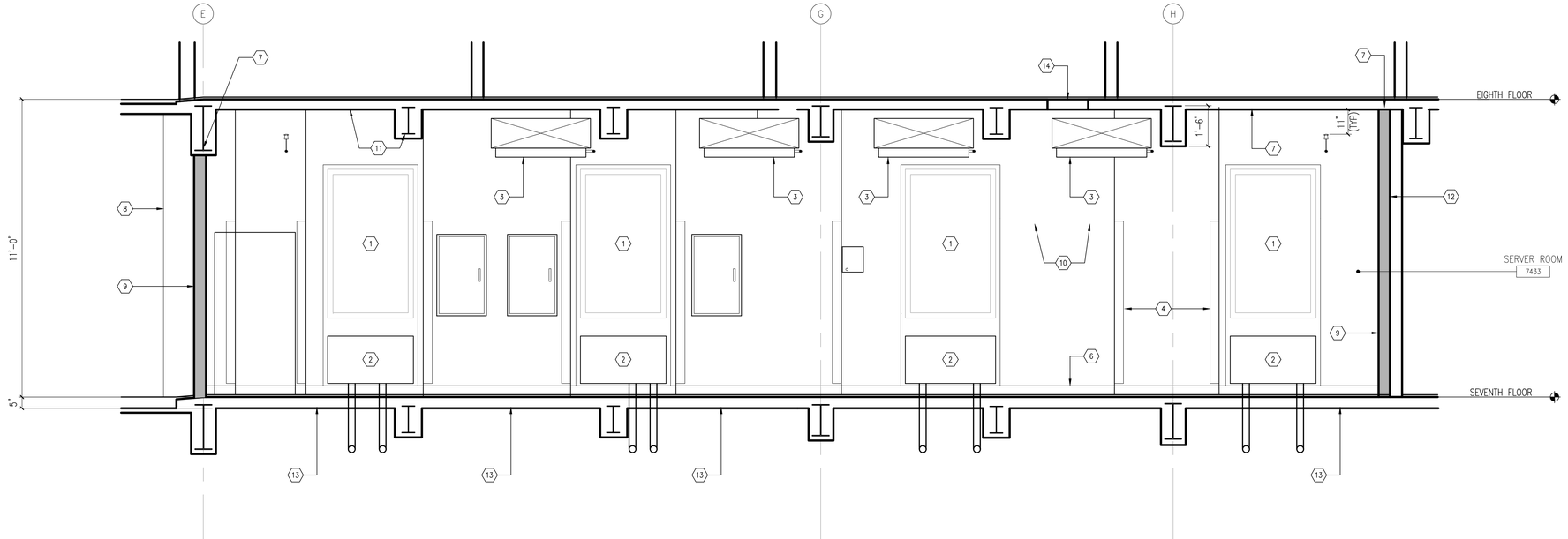
2 TYPICAL PIPE PORTAL FLASHING SYSTEM/EQUIPMENT CURB
3" = 1'-0"



3 PIPE MOUNTING PEDESTAL DETAIL
3" = 1'-0"



4 EQUIPMENT RAILS FOR ACCU
3" = 1'-0"



1 SECTIONAL VIEW LOOKING WEST
1/2" =1'-0"

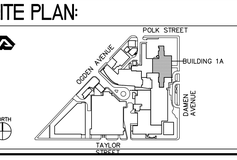
NOTES

1. EXISTING WINDOW UNITS.
2. FIN TUBE ENCLOSURE. REFER TO MECHANICAL DRAWINGS FOR PIPING.
3. SUSPENDED SHEET METAL SUPPLY DUCT.
4. STAINLESS STEEL CORNER GUARDS.
5. EXISTING HWS AND HWR PIPING AT SIXTH FLOOR SUSPENDED CEILING SPACE. FURNISH AND INSTALL A 2 HOUR U.L. RATED FIRE STOP SYSTEM AT ALL FLOOR PENETRATIONS AT THESE PIPE LOCATIONS.
6. 4" RUBBER WALL BASE
7. FURNISH AND INSTALL SEALANT SYSTEM AT TOP OF PARTITION SYSTEM
8. EXISTING PLASTER FINISH ON EXISTING CLAY TILE UITS TO REMAIN. FURNISH AND INSTALL A 2 HOUR U.L. FIRE STOP SYSTEM AT ALL EXISTING PIPE PENETRATIONS.
9. 5/8" GYPSUM BOARD, ABUSIVE RESISTANT TYPE, ON 3-5/8" 20 GAUGE METAL STUDS, 16" ON CENTER. INSULATE STUD SPACE WITH 3" THICK FIBER GLASS INSULATION BLANKETS. COORDINATE WITH WATER PIPING INSTALLATION - REFER TO DRAWING P-102.
10. REFER TO DRAWING A-501 FOR TYPICAL EXTERIOR WALL DETAILING.
11. CONTRACTOR SHALL CLEAN AND PATCH COMPLETE EXPOSED CONCRETE DECK. REFER TO ROOM FINISH SCHEDULE, DRAWING I-101 FOR PAINTING NOTES.
12. FURNISH AND INSTALL FIRE RATED VAPOR BARRIER AT FACE OF EXISTING PLASTER WALL.
13. IN-FILL ABANDONED HOLES AT CONCRETE DECK WITH CONCRETE. REFER TO DETAIL 5 ON DRAWING AD-103.

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015
Revisions:	Date

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: BUILDING SECTIONS + DETAILS

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: EM | Drawn: CM + JS

Project Number: 537-13-127

Building Number: 1A

Drawing Number: A-303

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

ISSUED FOR BIDS - NOT FOR CONSTRUCTION

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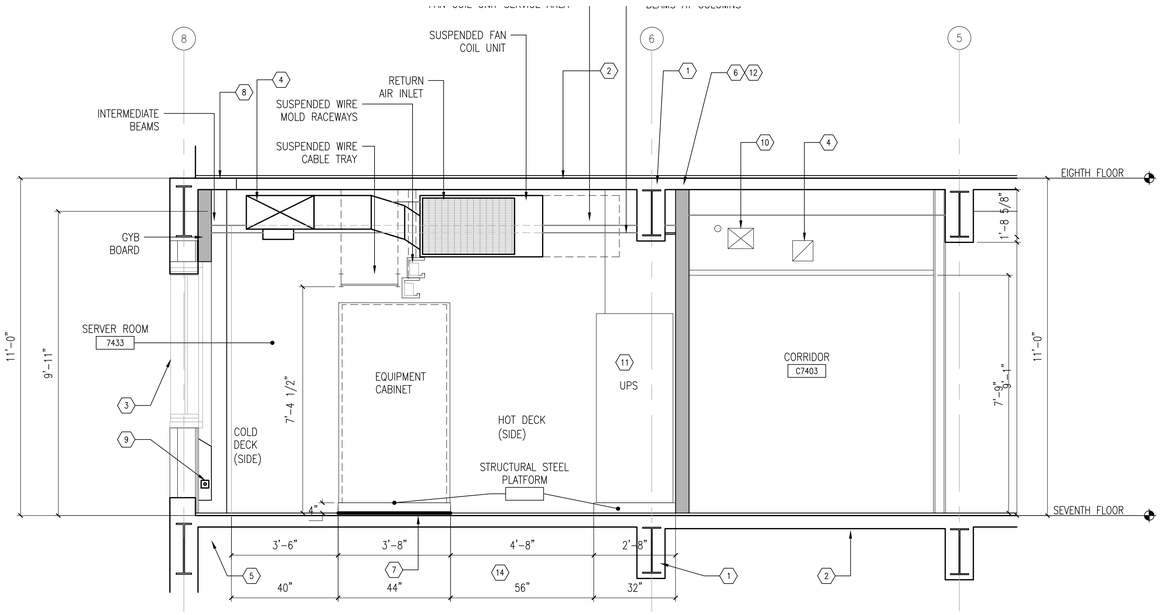
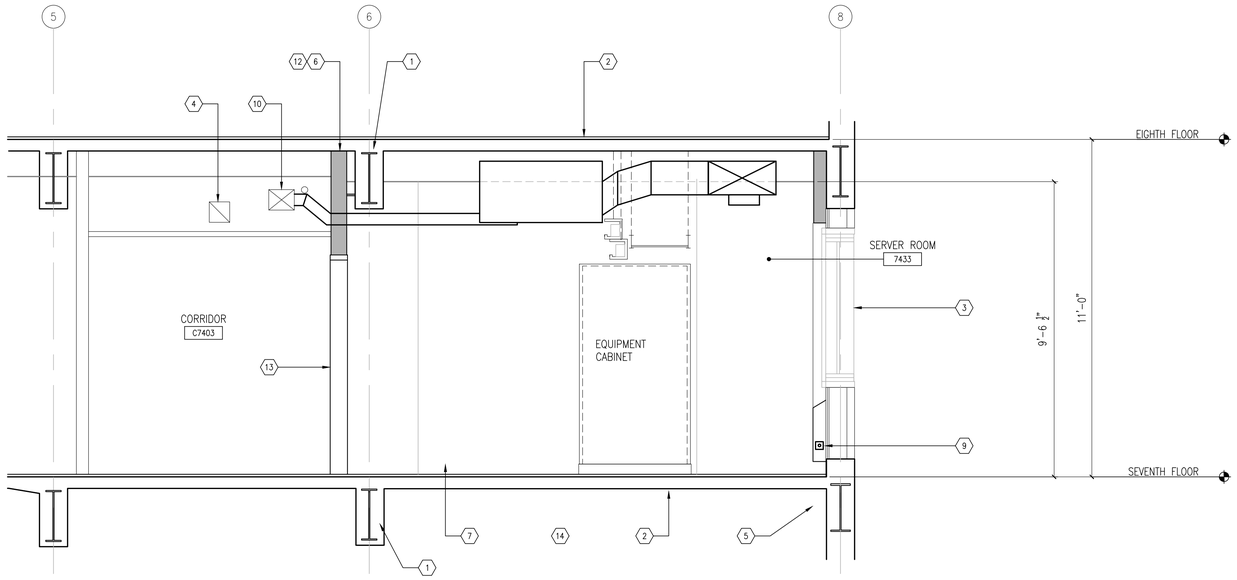


2 SECTIONAL VIEW LOOKING NORTH

1/2" =1'-0"



1 SECTIONAL VIEW LOOKING SOUTH

1/2" =1'-0"

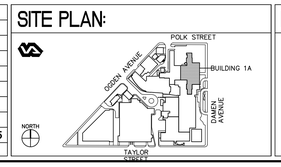
NOTES

1. INDICATES EXISTING ORIGINAL STEEL FRAMING BEAM ENCASED IN CONCRETE. NOTE THAT THE FLOOR BEAMS ARE VARIOUS DEPTHS.
2. INDICATES EXISTING ORIGINAL CONCRETE DECK.
3. INDICATES EXISTING EXTERIOR WINDOW UNITS SCHEDULED TO REMAIN.
4. EXISTING TOILET EXHAUST DUCT. REFER TO MECHANICAL DRAWINGS.
5. REFER TO MECHANICAL DRAWINGS FOR HYDRONIC SUPPLY AND RETURN PIPING AT SIXTH FLOOR LEVEL.
6. INDICATES GYPSUM BOARD PANELS AND METAL FRAMING.
7. INDICATES 4" HIGH RUBBER WALL BASE.
8. PROVIDE GYPSUM BOARD PARTITION AND METAL FRAMING ALONG COMPLETE EXTERIOR WALL FACE. REFER TO BUILDING SECTIONS ON DRAWING A-302 FOR DETAILING AND SPECIFICATIONS.
9. INDICATES FIN TUBE ENCLOSURES AT WINDOW POCKETS.
10. INDICATES EXISTING SUPPLY DUCT AT CORRIDOR CEILING SPACE. REFER TO MECHANICAL DRAWINGS.
11. UPS SYSTEM – REFER TO ELECTRICAL DRAWING E-101.
12. CONSTRUCT GYPSUM BOARD PARTITION TO UNDERSIDE OF CONCRETE FLOOR DECK AT EIGHTH FLOOR LEVEL.
13. DOOR AND FRAME UNIT.
14. REFER TO PARTIAL SIXTH FLOOR PLANS FOR SCOPE OF WORK REQUIRED AT VARIOUS MECHANICAL AND PLUMBING PIPING SYSTEMS.

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015
Revisions:	Date

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS

700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: BUILDING SECTIONS

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: EM | Drawn: CM + JS

Project Number: 537-13-127

Building Number: 1A

Drawing Number: A-304

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

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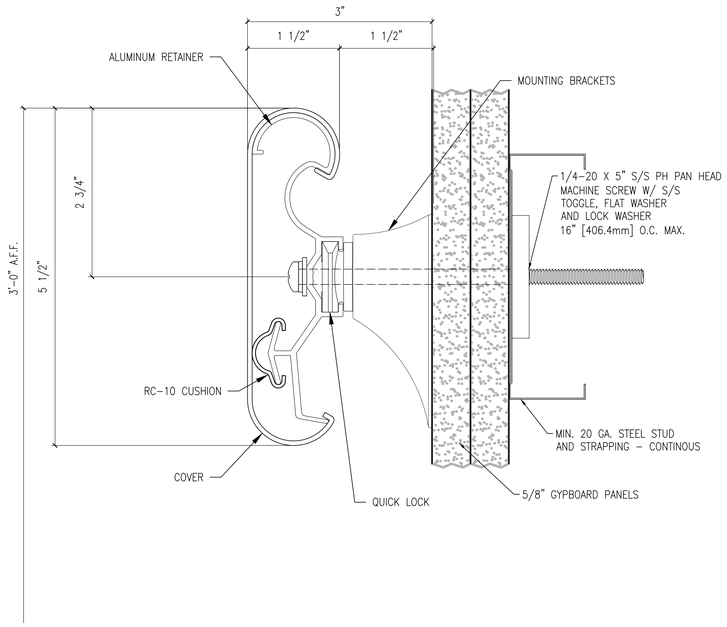
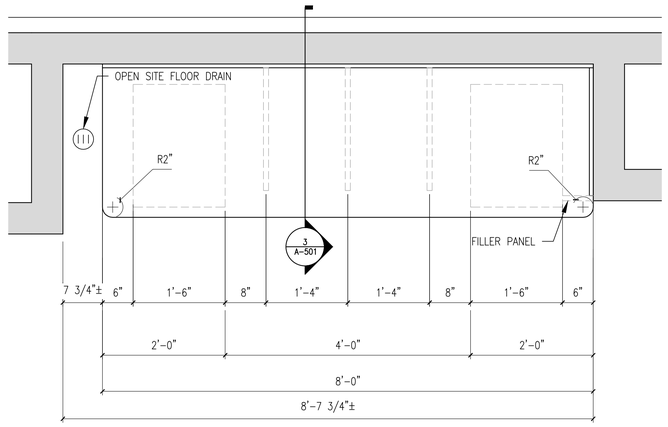
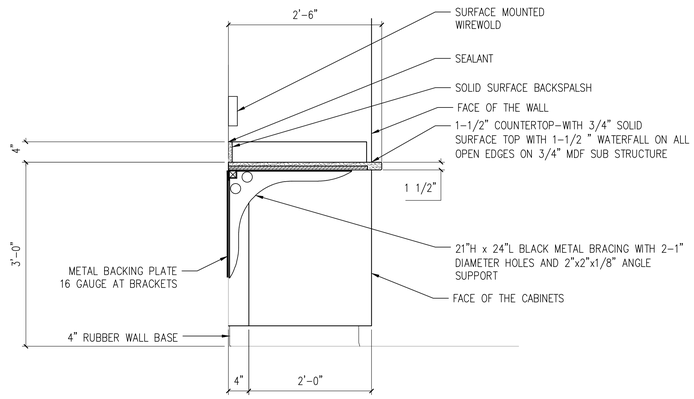


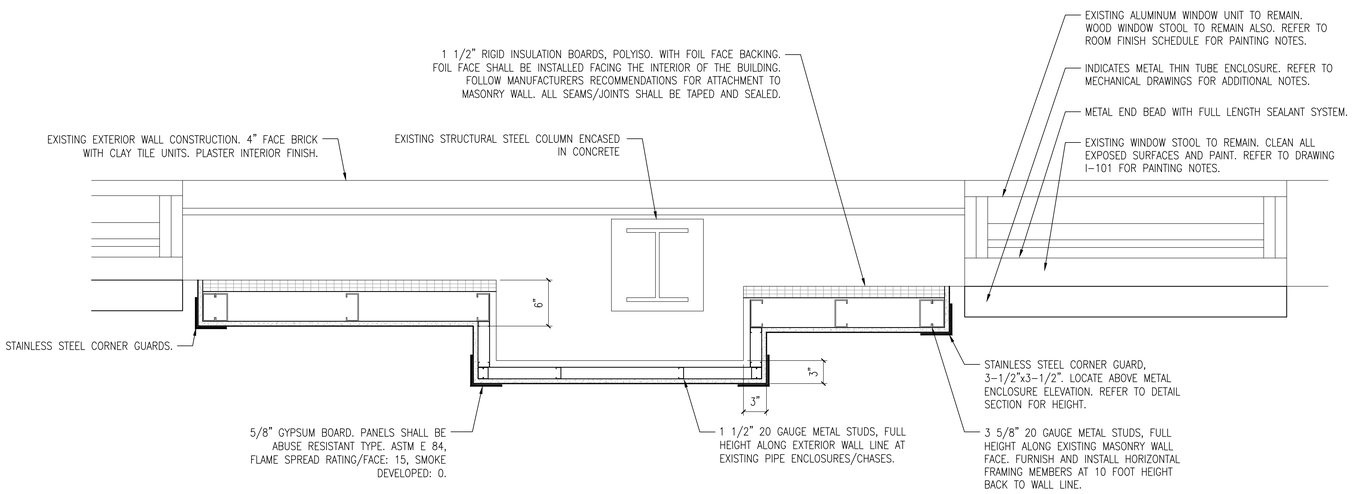
5 HANDRAIL DETAIL
1'-0"=1'-0"



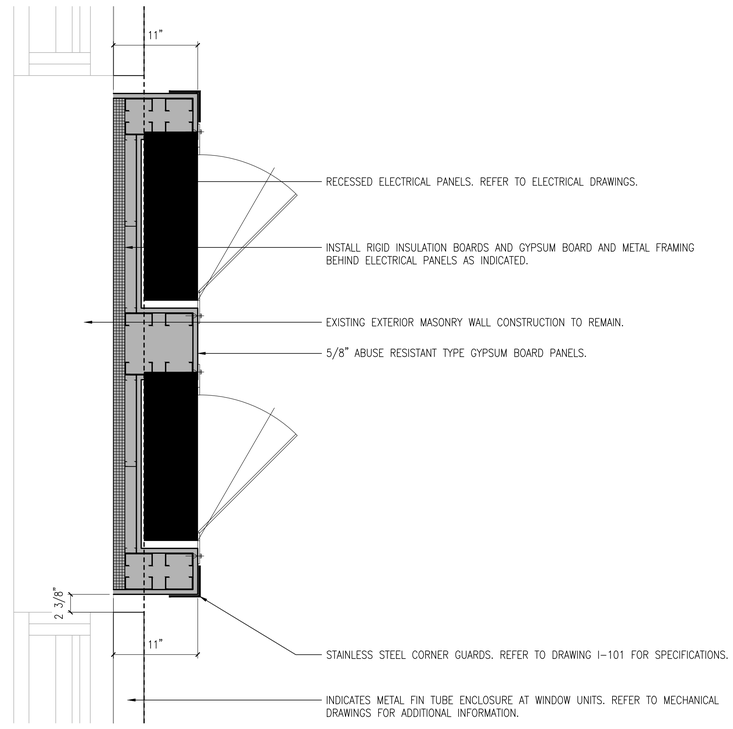
4 WORK SURFACE ENLARGED PLAN
1"=1'-0"



3 SECTION DETAIL AT WORK SURFACE
1"=1'-0"



2 PARTITION DETAIL PLAN AT EXTERIOR WALL (TYPICAL)
1-1/2"=1'-0"



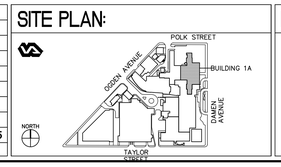
NORTH

1 DETAIL PLAN AT EXTERIOR WALL (TYPICAL)
1-1/2"=1'-0"

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015
Revisions:	Date

SITE PLAN:



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T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: ARCHITECTURAL DETAILS

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: EM | Drawn: CM + JS

Project Number: 537-13-127

Building Number: 1A

Drawing Number: A-501

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

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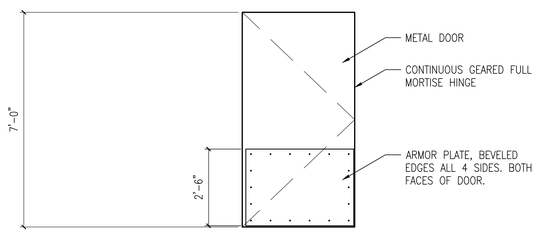
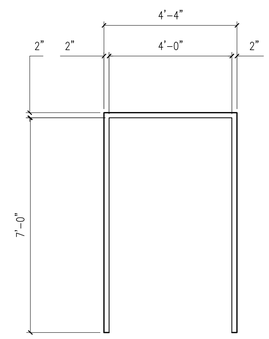
DOOR SCHEDULE

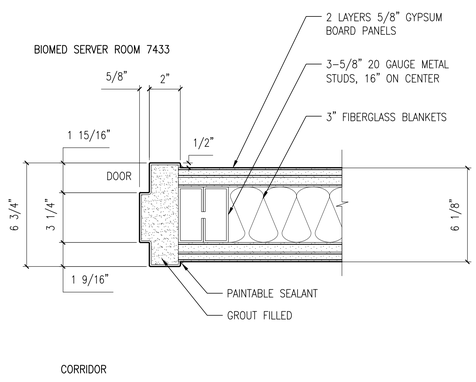
DOOR NUMBER	ROOM LOCATION	ROOM NUMBER	QUANTITY OF DOORS	DOOR INFORMATION							FRAME INFORMATION			WALL CONDITION AT HEAD	HARDWARE - COMMERCIAL GRADE							DOOR NUMBER
															HINGE TYPE	DOOR FUNCTIONS HARDWARE SETS			CLOSERS AUTOMATIC OPERATORS	PLATES	DOOR EDGING	
				WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FRAME U.L. RATING	HAND	MATERIAL	JAMB DETAIL	FRAME TYPE		FULL CONTINUOUS GEARED ALUMINUM HINGE	MORTISE PASSAGE SET	DEADBOLT	ELECTRIC STRIKE	CLOSER	ARMOR PLATES	DOOR EDGING	
1	BIOMED SERVER ROOM	7433	1	4'-0"	7'-0"	1-3/4"	TYPE-1	METAL	CLASS "B" 1-1/2 HOUR	RH	H.M.	1	2	1	CGH-1	PS-LS-1	N/A	ES-1	CL-1	AP-1	N/A	1



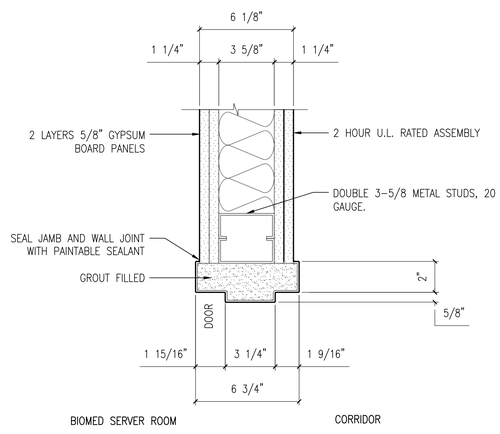
DOOR TYPE 1
1/2" = 1'-0"



FRAME TYPE 1
1/2" = 1'-0"



1 JAMB DETAIL
3" = 1'-0"



2 HEAD DETAIL
3" = 1'-0"

DOOR AND FRAME SPECIFICATION

A. METAL DOORS:
1 3/4" THICK STEEL DOOR, VERTICALLY STEEL STIFFENED LAMINATED CORE, WITH FIBERGLASS BETWEEN STIFFENERS. SEAMLESS STYLE-NO VISIBLE SEAMS ON FACES OR VERTICAL EDGES. TOP AND BOTTOM EDGES OF DOOR SHALL BE CLOSED WITH 16 GAUGE STEEL CHANNELS WELDED TO BOTH FACE SHEETS.22 GAUGE STIFFENERS PLACED 6" APART AND WELDED EVERY 5" ALONG THEIR ENTIRE LENGTH. FACE SHEETS 16 GAUGE, EXTRA HEAVY DUTY CLASSIFICATION, G90 HOT-DIPPED GALVANIZED STEEL CONFORMING TO ASTM A924 AND A653. MEETS ANSI A250.4 PERFORMANCE TEST LEVEL A (1,000,000 CYCLES. FULLY OPERABLE ASSEMBLIES ASTM C1363 R=2.30, U=0.43, STC 38. DOOR FACTORY FINISHED WITH ONE COAT OF OVEN CURED NEUTRAL COLOR PRIMER PAINT.PRIMER COAT SHALL CONFORM WITH ANSI A250.10. PROVIDE CLOSER REINFORCEMENT, 14 GAUGE STEEL CHANNEL. CLASS "B" 1-1/2 HOUR U.L. AND WH. CLEARANCES BOTTOM EDGE 3/4", TOP EDGE 1/8" LOCK.

ACCEPTABLE MANUFACTURERS:
CECO DOOR, REPUBLIC DOORS AND FRAMES OR PIONEER INDUSTRIES.

B. DOOR HARDWARE

1. CONTINUOUS GEARED HINGES / CGH-1: CONTINUOUS GEARED HINGES. OFF-SET FULL MORTISE HINGE, FINISH SHALL BE CLEAR ANODIZED, WIDTH SHALL BE 1 9/16" x HEIGHT 2 27/32". HEAVY DUTY RATING.

   ACCEPTABLE MANUFACTURERS:
   PEMKO MANUFACTURING, STANLEY MANUFACTURING COMPANY OR HAGER COMPANIES.

2. PASSAGE SET/LOCK SET / PS-LS-1: ELECTRIFIED STRIKE WITH LEVER HANDLE TRIM, HEAVY DUTY DESIGN AND ANSI/BHMA GRADE 1 STRENGTH. KEYING FEATURE INTERCHANGEABLE CORE, PROVIDE MASTER KEYING. MEETS ANSI A156.13 SERIES 1000, OPERATIONAL AND SECURITY GRADE 1. MEETS A117.1 ACCESSIBILITY CODE. MEETS FEDERAL FF-H-106C. AUXILIARY LATCH BOLT 9/16" (14mm) EFFECTIVE THROW AND 3/8" (10 mm) EFFECTIVE AUXILIARY LATCH DEADLOCKING. VERIFY OPTIONAL STRIKE, LIP LENGTHS AND ANSI WROUGHT STRIKE BOX.

   ACCEPTABLE MANUFACTURERS:
   CORBIN RUSSWIN, INC., SARGENT MANUFACTURING OR SCHLAGE.

3. CLOSERS / CL-1: CONFORM TO ANSI A156.4, GRADE 1.

   ACCEPTABLE MANUFACTURES:
   NORTON DOOR CONTROLS, LCN CLOSERS OR HORTON AUTOMATICS.

4. ARMOR PLATE AP-1: FASTENERS #6 x 5/8" OH SMS. NOMINAL 30" HIGH x 46" WIDE x US32D/630. MEETS ANSI J101-METAL ARMOR PLATE REQUIREMENTS. BEVELED EDGES-ALL FOUR SIDES, CSK (COUNTER SUNK HOLES).

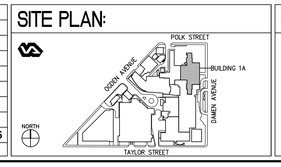
   ACCEPTABLE MANUFACTURERS:
   ROCKWOOD MANUFACTURING, TRIMCO OR IVES HINGES.

5. DOOR EDGING / DE-1: NOT APPLICABLE

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015
Revisions:	Date

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: DOOR AND FRAME SCHEDULE AND DETAILS

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: EM | Drawn: CM + JS

Project Number: 537-13-127

Building Number: 1A

Drawing Number: A-601

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

ISSUED FOR BIDS - NOT FOR CONSTRUCTION

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ROOM FINISH SCHEDULE

ROOM NO.	ROOMNAME	FLOOR		BASE		WALLS												CEILING	
						NORTH			WEST			SOUTH			EAST				
		Material	Color	Material	Color	Material	Finish	Color	Material	Finish	Color	Material	Finish	Color	Material	Finish	Color	Type	Height
6TH FLOOR																			
6434A	OFFICE	EXISTG	N/A	EXISTG	N/A	EXISTG	EXISTG	N/A	EXISTG	EXISTG	N/A	EXISTG	EXISTG	N/A	EXISTG	EXISTG	N/A	EXISTG	EXISTG*
6435A	TOILET	EXISTG	N/A	EXISTG	N/A	EXISTG	PAINT	P-1	EXISTG	EXISTG	N/A	EXISTG	EXISTG	N/A	EXISTG	EXISTG	N/A	ACT-1	
7TH FLOOR																			
C7403	CORRIDOR	VINYL	VT-2	RUBBER BASE	RB-1	EXISTG	PAINT	P-2	EXISTG	PAINT	P-2	EXISTG	PAINT	P-2	EXISTG	PAINT	P-2	ACT-1	7'-8"
7433	SERVER ROOM	VINYL	VT-1	RUBBER BASE	RB-1	GYP BD	PAINT	P-1	GYP BD	PAINT	P-1	GYP BD	PAINT	P-1	GYP BD	PAINT	P-1	EXISTG*	EXISTG*
7437	MED TEAM	EXISTG	EXISTG	EXISTG	RB-1*	EXISTG	EXISTG	N/A	EXISTG	EXISTG	N/A	GYP BD	PAINT	P-1	EXISTG	EXISTG	N/A	EXISTG*	EXISTG*
8TH FLOOR																			
8435	ADDICTION THERAPIST OFFICE	EXISTG	EXISTG	EXISTG	EXISTG*	EXISTG/ GYP BD	PAINT	P-1	EXISTG/ GYP BD	PAINT	P-1	EXISTG	EXISTG	N/A	EXISTG	EXISTG	N/A	EXISTG	10'-2-1/2"
9TH FLOOR																			
9433	PATIENT ROOM	EXISTG	EXISTG	EXISTG	EXISTG*	EXISTG/ GYP BD	PAINT	P-1	EXISTG/ GYP BD	PAINT	P-1	EXISTG	EXISTG	N/A	EXISTG	EXISTG	N/A	EXISTG	9'-9"
10TH FLOOR																			
10415	PROGRAM MANAGER	EXISTG	EXISTG	EXISTG	EXISTG*	EXISTG/ GYP BD	PAINT	P-1	EXISTG/ GYP BD	PAINT	P-1	EXISTG	EXISTG	N/A	EXISTG	EXISTG	N/A	EXISTG	8'-6"

ROOM FINISH LEGEND

FLOORING

KEY	MATERIAL	MANUFACTURER	PRODUCT PROPERTIES	STYE/COLOR	CONTACT
VT-1	CONDUCTIVE VINYL	VPI	STATIC CONTROL -ESD	COLOR: BONE 153	LINDA HUNT - 312-504-6104
VT-2	BIOBASED TILE	ARMSTRONG	CARREAU BIOBASED/BBT WITH BIOSTRIDE	12" X 24" X 1/8"/STRIATIONS - COLOR: T3611 MUSHROOM (24" DIRECTION NORTH/SOUTH)	LINDA HUNT - 312-504-6104

WALL BASE

KEY	MATERIAL	MANUFACTURER	PRODUCT PROPERTIES	STYE/COLOR	CONTACT
RB-1	RUBBER BASE	JOHNSONITE	4" - 1/8" GAUGE -VULCANIZED SBR RUBBER	COLOR: 76 CINNAMON	CAROL KOTEL-LYNE 224-659-4107

WALL FINISH

KEY	MATERIAL	MANUFACTURER	PRODUCT PROPERTIES	STYE/COLOR	CONTACT
P-1	PAINT	GLIDDEN	ULTRA-HIDE 150 - INTERIOR LATEX-EGG SHELL	COLOR: SHERWIN WILLIAMS - BUFF - SW 7683	
P-2	PAINT	GLIDDEN	ULTRA-HIDE 150 - INTERIOR LATEX-EGG SHELL	COLOR: SHERWIN WILLIAMS - A LA MODE - SW 7116	
P-3	PAINT	GLIDDEN	ALKYD - SEMI-GLOSS (FOR HM)	COLOR: GLIDDEN -BROWN BAG - 10YY 35/196	

WALL PROTECTION

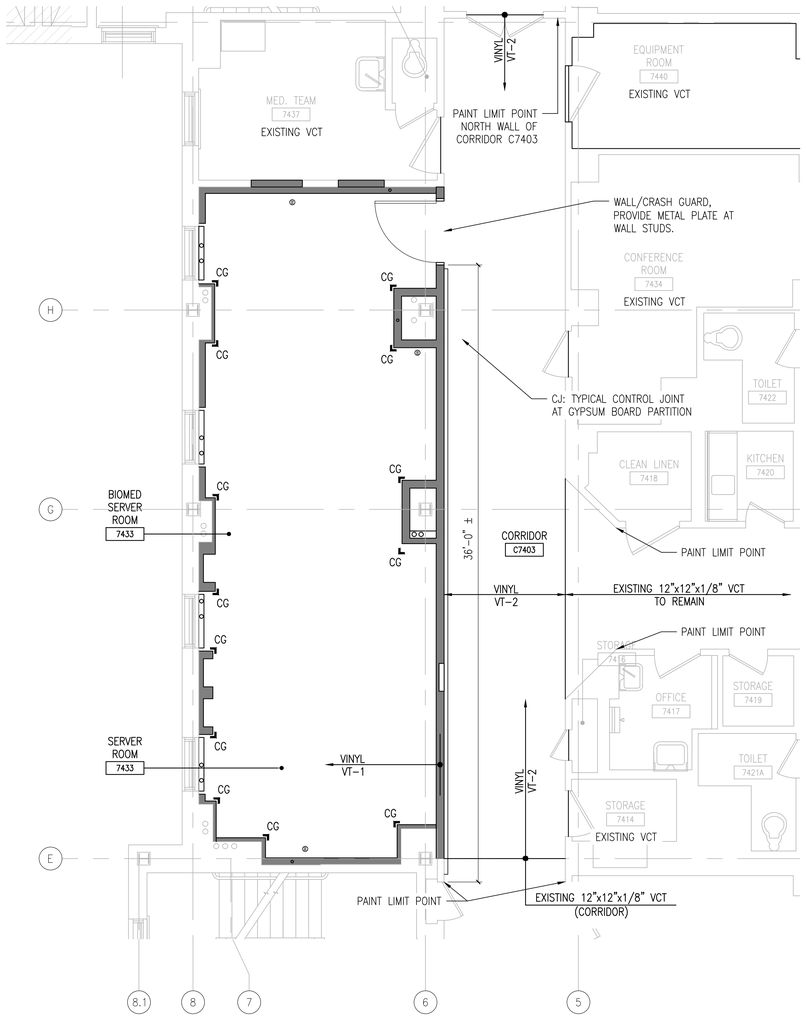
KEY	MATERIAL	MANUFACTURER	PRODUCT PROPERTIES	STYE/COLOR	CONTACT
WP-1	WALL PROTECTION	ACROVYN	4"/ ENGINEERED PETG	4000/SCR-40N COLOR: BEIGE 0117	ILLINI CONST SPECIALTIES INC 630-393-1919
WP-2	WALL PROTECTION	ACROVYN	STAINLESS STEEL/ 3- 1/2" LEG/CORNER GUARD	#4 SATIN FINISH	ILLINI CONST SPECIALTIES INC 630-393-1919

CEILING TILE

KEY	MATERIAL	MANUFACTURER	PRODUCT PROPERTIES	STYE/COLOR	
ACT-1	ACOUSTICALTILE	ARMSTRONG	MINERAL FIBER-WET FORMED -TYPEIII - 15/16" EXPOSED TEE	FINE FISSURED - 1713- SQUARE LAY-IN - 24" X 24" X 3/4" - WHITE	

MISCELLANIOUS FINISHES

KEY	MATERIAL	MANUFACTURER	PRODUCT PROPERTIES	STYE/COLOR	CONTACT



1 PARTIAL SEVENTH FLOOR - INTERIOR FINISHING PLAN
1/4"=1'-0"

PRODUCT/MATERIAL MANUFACTURERS

THE FOLLOWING ARE ACCEPTABLE MANUFACTURERS:

FLOORING: VPI, ARMSTRONG, AND ROPPE

WALL BASE: ARMSTRONG, JOHNSONITE, AND ROPPE

PAINT: BENJAMIN MOORE, GLIDDEN, AND SHERWIN–WILLIAMS

CEILING: ARMSTRONG, USG, AND ROCKFON

MATERIAL SPECIFICATIONS

1. FLOORING
   A. ESD SOLID VINYL TILE FLOORING. NOMINAL 24" x 24" x 1/8 GAUGE. MANUFACTURED BY VPI, CONDUCTILE STATIC CONTROL EQUIVALENT. OTHER MANUFACTURERS FLEXCO–ESD VINYL TILE OR ROPPE–CONDUCTIVE ESD STATIC CONTROL FLOORING.
   B. VINYL COMPOSITION TILE FLOORING: AT EXISTING VCT FLOORING AREAS, 12" x 12" x 1/8". COLOR AS SPECIFIED IN ROOM FINISH LEGEND.
2. WALL BASE:
   A. 4" RUBBER WALL BASE, 4" x 1/8" GAUGE WITH COVE TOE.
3. WALLS:
   A. GYPSUM BOARD PARTITIONS:
      SHALL BE 5/8" GYPSUM BOARD PANELS, ABUSE RESISTANT TYPE, ON 3 5/8" METAL STUDS, 20 GAUGE, PRODUCT DATA: CLASSIFIED FOR FIRE RESISTANCE (FRX–G), COMPLIANCE WITH STANDARDS: MEETS ASTM C1278. EDGE CONFIGURATION: LONG EDGES TAPERED: ENDS CUT SQUARE. ABUSE–RESISTANT PERFORMANCE ASTM C1629 PERFORMANCE.
   B. GYPSUM BOARD PARTITIONS:
      FOR ALL OTHER PARTITION TYPES REFER TO DRAWINGS.
      METAL FRAMING: REFER TO DETAIL WALL SECTIONS ON DRAWINGS FOR PARTITION TYPES AND RELATED METAL FRAMING DETAILS ON THIS PROJECT:
      i. 3 5/8" METAL STUDS SHALL BE: 20 GAUGE METAL STUDS, INSTALLED 16" ON CENTER.
      ii. 1 1/2", 20 GAUGE METAL STUDS, INSTALLED 16" ON CENTER.
      iii. 7/8", 20 METAL HAT CHANNELS, INSTALLED AT 16" ON CENTER.
4. INSULATION SYSTEMS:
   A. EXTERIOR WALL INSULATION:
      1 1 / 2" POLYISO RIGID BOARDS FOIL FACED. PROVIDE SEAMS TAPE AT ALL ALL JOINTS. REFER TO DETAIL DRAWINGS.
   B. INTERIOR PARTITION INSULATION: 3" FIBERGLASS BLANKETS.
      FIBERGLASS INSULATION BLANKETS WHERE DETAILED AND SPECIFIED SHALL BE 3" THICK FIBERGLASS INSULATION BLANKETS. PAPER FACED TYPE, R–13 RATED.
   C. VAPOR BARRIER:
      WITHIN THE SERVER ROOM 7433, FURNISH AND INSTALL A 6 MIL FIRE RATED VAPOR BARRIER AT THE NORTH, SOUTH, AND EAST PARTITION SYSTEM. VERIFY EXACT LOCATION PRIOR TO INSTALLATION.

CEILINGS:
   A. ACT–1: CEILING TILES SHALL BE SQUARE LAY–IN, EDGE PROFILE SQUARE, DIMENSIONS ARE 24" x 24" x 3/4". PRODUCT MATERIAL IS CLASS "A" FIRE RATING, NRC 0.50, LIGHT REFLECTANCE 0.87, ASTM E84 FLAME SPREAD INDEX 25 OR LESS, SMOKE DEVELOPED INDEX 50 OR LESS, U.L. LABELED. ASTM E 1264 CLASSIFICATION: TYPE III, FORM 2, PATTERN C E, FIRE CLASS "A". SAG RESISTANCE: "HUMI–GUARD PLUS". PRODUCT CONTAINS AN ANTI–MICROBIAL TREATMENT FOR RESISTANCE TO MOLD/MILDEW. 30–YEAR PERFORMANCE GUARANTEE AND WARRANTY.
   B. SUSPENSION SYSTEM SHALL BE HEAVY DUTY CLASSIFICATION, 15/16" GRID, WHITE. HANGER WIRE SHALL BE 12 GAUGE. PROVIDE ANCHORS FOR CONCRETE DECK INSTALLATION.
5. PAINTING
   A. PAINT ALL GYPSUM BOARD PARTIONS AND EXISTING WALL SURFACES AS INDICATED IN THE ROOM FINISH SCHEDULE AND AS DENOTED ON THE DRAWINGS.
   B. PAINT HOLLOW METAL DOOR FRAMES.
   C. PAINT EXPOSED EXISTING CONCRETE DECK WITHIN SERVER ROOM 7433. PAINT ALL EXPOSED CONCRETE BEAMS AND FLOOR DECKS.
   D. PAINT EXISTING CORRIDOR C7403 WALL AREAS DENOTED ON DRAWINGS.
6. MISCELLANEOUS ITEMS
   A. WALL/CRASH GUARDS:
      i. ACROVYN 4000
      ii. INPRO 5000 WALL GUARD
      iii. KOROGARD WALL PROTECTION SYSTEMS, B–300 SERIES
   B. CORNER GUARDS: 3–1/2"x3–1/2" STAINLESS STEEL BRUSH FINISH. ADHESIVE APPLIED. FURNISH AND INSTALL WHERE DENOTED. REFER TO DRAWING A–501 FOR CORNER GUARDS AT WINDOW POCKETS.

FLOOR PREPARATION NOTES

1. CONTRACTOR SHALL FURNISH AND INSTALL THE FOLLOWING ON THE EXISTING CONCRETE FLOOR SLAB/DECK:
   A. REMOVE ALL EXISTING MASTIC/CUT–BACK MATERIAL DOWN TO CONCRETE SLAB.
   B. PERFORM VACUUM–ASSISTED ABRASIVE BLASTING OVER COMPLETE FLOOR AREA SCHEDULED TO RECEIVE SHEET VINYL FLOORING.
   C. REPAIR DAMAGED AND DETERIORATED CONCRETE ACCORDING TO FLOORING MANUFACTURERS WRITTEN RECOMMENDATIONS.
   D. APPLY CEMENTITIOUS SELF–LEVELING UNDERLAYMENT.
   E. REFER TO PROJECT MANUAL FOR ADDITIONAL WRITTEN REQUIREMENTS.

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

ISSUED FOR SOLICITATION	08/01/2016
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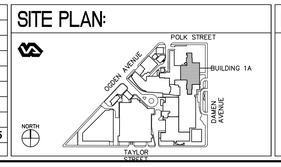
ISSUED FOR BIDS	12/03/2015
Revisions:	Date

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 N Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: PARTIAL SEVENTH FLOOR - INTERIOR FINISH PLAN AND FINISH SCHEDULE	Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM	Project Number: 537-13-127	Office of Construction and Facilities Management
		Building Number: 1A	
Approved: Project Director	Location: CHICAGO, ILLINOIS	Drawing Number: I-101	Department of Veterans Affairs
	Date: 12/03/2015 · Checked: EM · Drawn: CM + JS		

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VA FORM 08-6231

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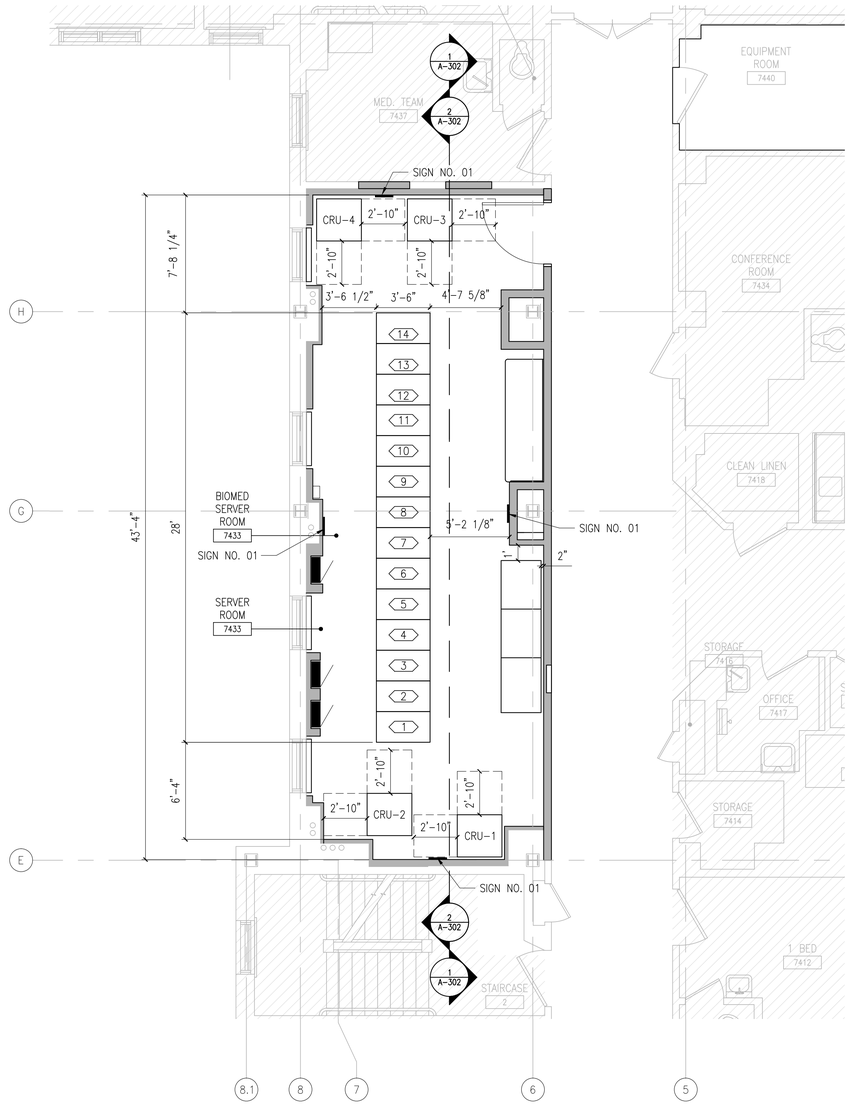

NORTH

1 PARTIAL SEVENTH FLOOR - CABINET + EQUIPMENT PLAN

1/4"=1'-0"

EQUIPMENT SCHEDULE

X CABINET NUMBER	MANUFACTURER MODEL NUMBER	RACK UNIT SPACES
1	CISCO 2960-S	1U
	CISCO 2960-S	1U
	CISCO 2960-S	1U
	IBM PC	4U
	TRIPP LITE SMART 3000	2U
2	TRIPP LITE KVM B702-032	1U
	DELL R620	1U
	HP DL 380 G8	2U
	HP DL 380 G8	2U
	HP DL 380 G8	2U
	HP RDX DRIVE	1U
	TRIPP LITE RACK CONSOLE	1U
	HP DL 360 G7	2U
	HP DL 360 G7	1U
	HP DL 360 G7	1U
	HP DL 360 G7	1U
	HP DL 360 G7	1U
	HP DL 380 G7	2U
	TRIPP LITE SMART 5000	3U
3	APC KVM	1U
	HP ML330 G6	4U
	HP ML330 G5	5U
	RORKE SERVER	3U
	DELL R720	1U
	DELL R720	1U
	HP DL380 G4	2U
	HP TAPE MOUNT	1U
	HP DL380 G4	2U
	DELL POWEREDGE 850	1U
	DELL	5U
	DELL	2U
	TRIPP SMART 3000	2U
4	DELL R620	1U
	DELL R720	2U
	DELL R720	2U
	DELL R620	1U
	DELL R620	1U
	NETGEAR RN3220	2U
	NETGEAR RN3220	2U
	HP DL 380E GEN 8	2U
	HP DL 380E GEN 8	2U
	HP DL 380E GEN 8	2U
	HP DL 380E GEN 8	2U
	HP DL 380E GEN 8	2U
	NEXSAN	2U
	NEXSAN	2U
	NEXSAN	4U
	NEXSAN	1U
	NEXSAN	4U
	TRIP LITE SMART 3000	2U
	TRIP LITE SMART 3000	2U

EQUIPMENT SCHEDULE

X CABINET NUMBER	MANUFACTURER MODEL NUMBER	RACK UNIT SPACES
5	KVM B072-032	1U
	DELL R620	1U
	DELL R621	1U
	DELL R622	1U
	NET APP ARCHIVE	30U
	TRIP LITE SU5000 UPS	3U
	TRIP LITE BATTERY	3U
6	CISCO 4056E	8U
	CISCO 4056E	8U
	PATCH PANEL	2U
	PATCH PANEL	2U
	TRIP LITE SU3000	3U
	TRIP BATTERY	3U
7	POLICE SERVICE	42U
8	POLICE SERVICE	42U
9	POLICE SERVICE	42U
10	DELL R570	2U
	HP DL 360P G8	2U
	HP DL 360P G8	2U
	HP ML 530	7U
	HP ML 530	7U
	HP ML 350 G6	5U
	DELL POWEREDGE 2900	4U
	DELL POWEREDGE 2900	4U
	DELL POWEREDGE 2900	4U
11	PATIENT WIFI	20U
	EVIDEON	20U
12	VASCULAR	20U
	GU CLINIC	15U
	PFT	3U
13	STORAGE	25U
14	RESPITORY	6U
	ANTEHSIA	10U
	PACIS	4U

SERVER CABINET SCHEDULE

NOTES

VA: VA SUPPLIED & INSTALLED CC: CONTRACTOR SUPPLIED & INSTALLED R: EXISTING EQUIPMENT TO BE REINSTALLED BY VA

X CABINET NUMBER	QUANITY	DESCRIPTION	10 YEAR PLAN	PROVIDED BY	W	D	H
1	1	EXISITNG SERVER	YEAR 1	R	2'-0"	3'-6"	6'-6 1/4"
2	1	EXISITNG SERVER	YEAR 1	R	2'-0"	3'-6"	6'-6 1/4"
3	1	EXISITNG SERVER	YEAR 1	R	2'-0"	3'-6"	6'-6 1/4"
4	1	MRX ADAPTIVE RACK	YEAR 1	VA	2'-0"	3'-6"	6'-6 1/4"
5	1	MRX ADAPTIVE RACK	YEAR 1	VA	2'-0"	3'-6"	6'-6 1/4"
6	1	MRX ADAPTIVE RACK	YEAR 5	VA	2'-0"	3'-6"	6'-6 1/4"
7	1	MRX ADAPTIVE RACK	YEAR 5	VA	2'-0"	3'-6"	6'-6 1/4"
8	1	MRX ADAPTIVE RACK	YEAR 5	VA	2'-0"	3'-6"	6'-6 1/4"
9	1	MRX ADAPTIVE RACK	YEAR 5	VA	2'-0"	3'-6"	6'-6 1/4"
10	1	MRX ADAPTIVE RACK	YEAR 5	VA	2'-0"	3'-6"	6'-6 1/4"
11	1	MRX ADAPTIVE RACK	YEAR 5	VA	2'-0"	3'-6"	6'-6 1/4"
12	1	MRX ADAPTIVE RACK	YEAR 10	VA	2'-0"	3'-6"	6'-6 1/4"
13	1	MRX ADAPTIVE RACK	YEAR 10	VA	2'-0"	3'-6"	6'-6 1/4"
14	1	MRX ADAPTIVE RACK	YEAR 11	VA	2'-0"	3'-6"	6'-6 1/4"

EQUIPMENT PLAN NOTES

1. VA SHALL FURNISH AND INSTALL EQUIPMENT AND CABINETS.
2. SIGN NO. 01 – LOCATION INDICATED ON DRAWING. (CONTRACTOR TO FURNISH AND INSTALL)
3. SIGN NO. 02 – SUPPLIED FOR OWNER APPLICATION. (CONTRACTOR TO FURNISH – VA TO INSTALL ON CABINETS)

SIGN NO. 01

CAUTION
FLOOR LOAD
CAPACITY 50 LBS.
PER SQUARE FOOT

WITHIN 4' ISLE SPACE IN FRONT AND BACK OF CABINETS

SIZE: 14 X 10"
QUANTITY: 4
MATERIAL: TREATED POLYETHYLENE PLASTIC
THICKNESS: .055" MINIMUM
ATTRIBUTES: CHIP AND CRACK RESISTANT PLASTIC
COLOR: YELLOW
INK FEATURES: PRINTED WITH UV INKS
PRINTING PROCESS: DIGITAL
OVER LAMINATE: NONE
MOUNTING: ADHESIVE BACKED

SIGN NO. 02

CAUTION
CABINET LOAD
CAPACITY 1,100 LBS

DO NOT OVER LOAD

SIZE: 10 X 7"
QUANTITY: 14
MATERIAL: ADHESIVE BACKED VINYL FILM
THICKNESS: 3.5 MIL MINIMUM THICKNESS
ATTRIBUTES: FLEXIBLE VINYL FILM COATED WITH AN AGGRESSIVE PERMANENT ACRYLIC ADHESIVE
COLOR: YELLOW
GRAPHICS: DIGITAL AND PRINTED WITH UV INKS
DURABILITIES: PRINTED IMAGE WILL RESIST FADING AND MILD CHEMICALS
SURFACE PREPARATION: CLEAN AND DRY
INK FEATURES: PRINTED WITH UV INKS
PRINTING PROCESS: DIGITAL
OVER LAMINATE: NONE
SIGN FEATURES: 1/4" ROUND CORNERS

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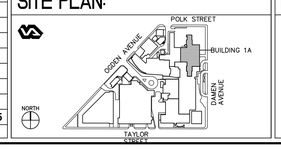

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Drawing Title: PARTIAL SEVENTH FLOOR - CABINET + EQUIPMENT PLAN

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Project Number: 537-13-127

Building Number: 1A

Approved: Project Director

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: EM | Drawn: CM + JS

Drawing Number: Q-101

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

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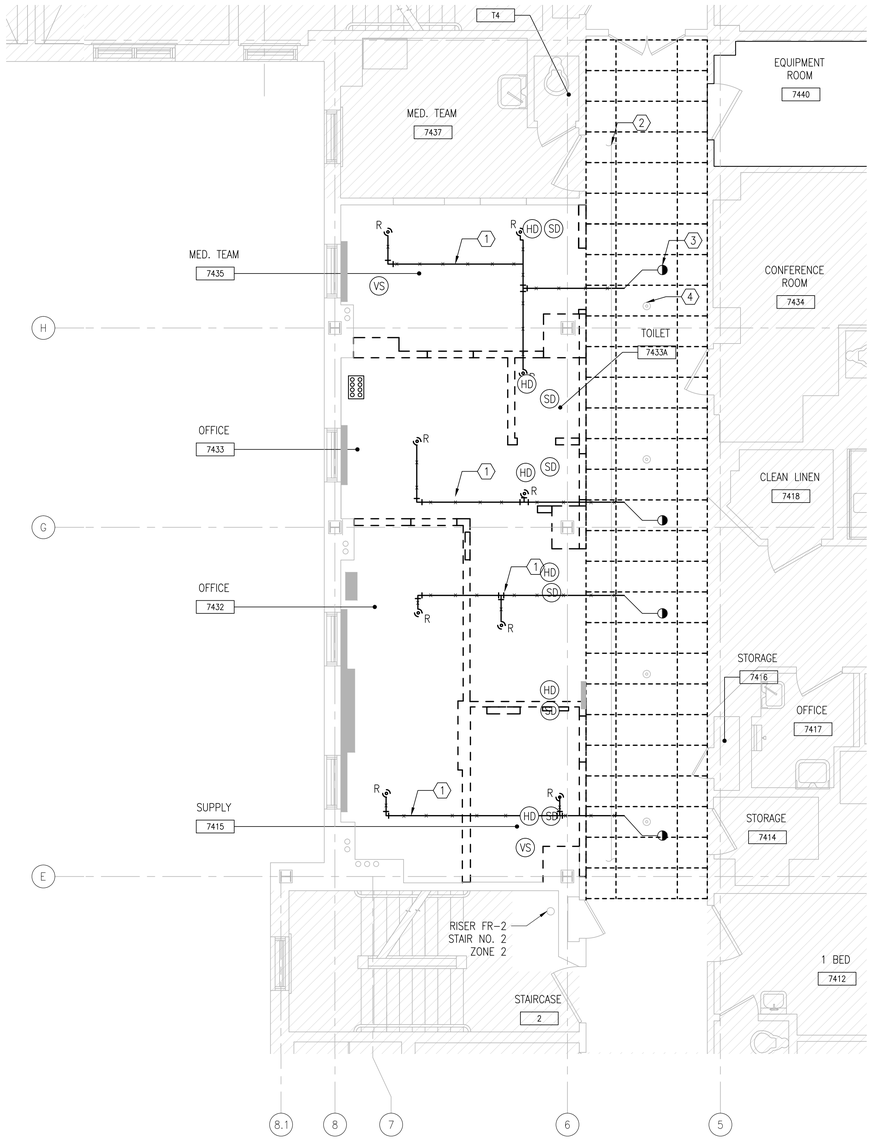
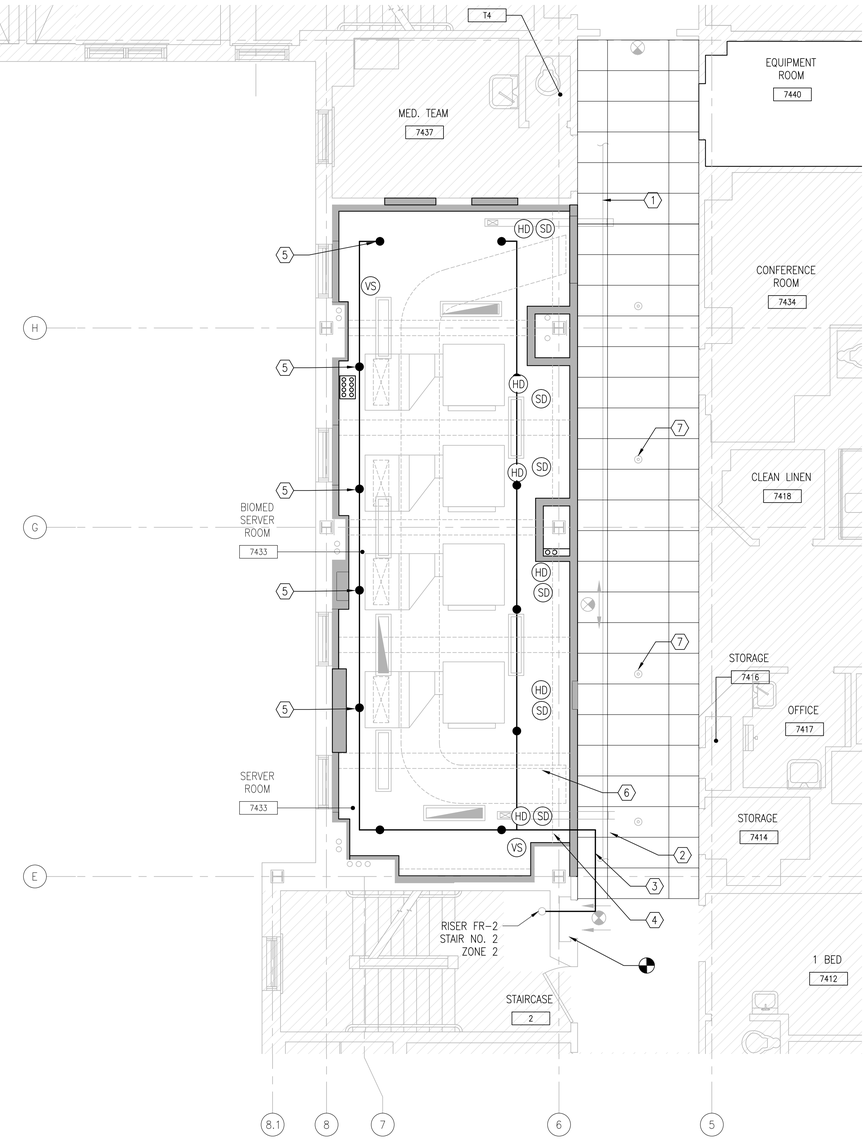


NORTH

1 PARTIAL SEVENTH FLOOR - DEMOLITION FIRE PROTECTION PLAN

1/4"=1'-0"



NORTH

2 PARTIAL SEVENTH FLOOR - FIRE PROTECTION PLAN

1/4"=1'-0"

GENERAL NOTES

1. CONTRACTORS SHALL REFER TO PHOTO DOCUMENTATION WITHIN THE PROJECT MANUAL "APPENDIX A" FOR SELECTED EXISTING CONDITIONS PHOTOS'.
2. REFER TO G-001 FOR LIFE SAFETY PLAN.

INTERIM LIFE SAFETY MEASURES / ILSM

1. REFER TO DRAWING G-101 FOR ILSM NOTES FOR SCOPE OF WORK.
2. REFER TO PROJECT MANUAL SECTION 01 01 10 FSS- FIRE SAFETY SECTION FOR ADDITIONAL INFORMATION.

(X) DEMOLITION FIRE PROTECTION PLAN NOTES

1. REMOVE EXISTING FIRE PROTECTION/SPRINKLER PIPING, SPRINKLER HEADS AND ASSOCIATED HANGER RODS AND DECK ANCHORS WITHIN PROJECT AREA. NOTE THAT SOME OF THE FIRE PROTECTION PIPING IS ROUTED WITH U.L. RATED PVC PIPE.
2. EXISTING FIRE PROTECTION/SPRINKLER PIPING MAIN LOCATED IN CORRIDOR CEILING SPACE IS SCHEDULED TO REMAIN ACTIVE DURING CONSTRUCTION PROJECT.
3. INDICATES POINT TO DISCONNECT SCHEDULED BRANCH SPRINKLER PIPING BACK TO MAIN LINE AT CORRIDOR SPACE.
4. EXISTING SPRINKLER HEADS AT CORRIDOR AREA SHALL REMAIN.

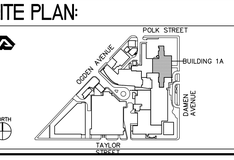
(X) FIRE PROTECTION PLAN NOTES

1. INDICATES EXISTING FIRE PROTECTION/SPRINKLER MAIN AT CORRIDOR CEILING SPACE.
2. INDICATES CONNECTION POINT FOR SPRINKLER PIPING. REUSE EXISTING CONNECTION POINTS AS MUCH AS POSSIBLE AND CAP/PLUG ANY NOT BEING REUSED.
3. INDICATES BRANCH SPRINKLER PIPING ROUTED TO EXISTING FIRE PROTECTION RISER AT ADJACENT CLOSET AREA. FIRE STOP ALL PENETRATIONS AT CORRIDOR PARTITION. CORRIDOR WALL IS A 2 HOUR U.L. RATED ASSEMBLY.
4. INDICATES TAMPER SWITCH AND FLOW SWITCH WITH ADDRESSABLE MODULES. REFER TO DRAWING E-101 FOR DEVICES AND RELATED NOTES.
5. INDICATES UPRIGHT TYPE SPRINKLER HEADS.
6. DASHED LINES INDICATES EXISTING CONCRETE FLOOR BEAM LOCATIONS.
7. INDICATES EXISTING SPRINKLER HEADS TO BE HEIGHT ADJUSTED AND RESET AT RECONSTRUCTED SUSPENDED CEILING SYSTEM AT CORRIDOR SPACE.

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015
Revisions:	Date

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS

700 N.Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: PARTIAL SEVENTH FLOOR FIRE PROTECTION PLAN

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: EM | Drawn: CM + JS

Project Number: 537-13-127

Building Number: 1A

Drawing Number: FP-101

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

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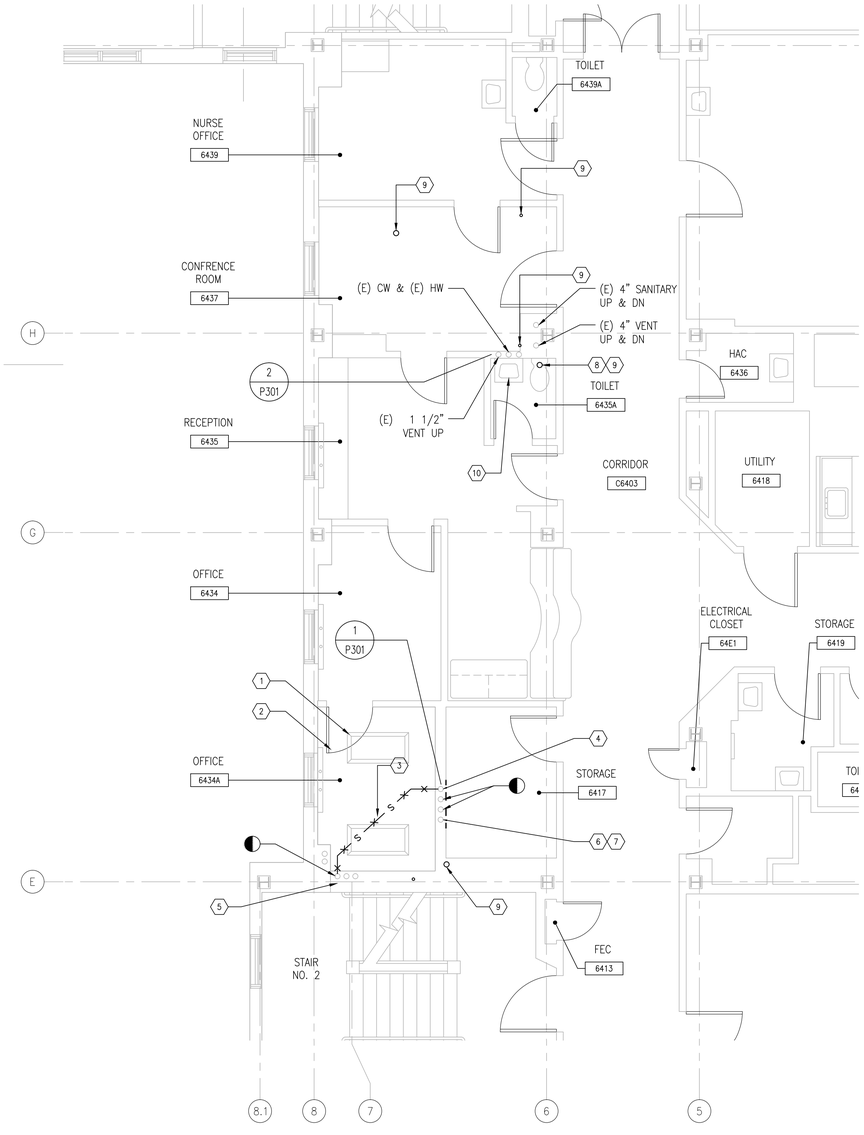

NORTH

1 PARTIAL SIXTH FLOOR - PLUMBING DEMOLITION PLAN

1/4"=1'-0"

(X) PLUMBING DEMOLITION KEY NOTES

1. REMOVE EXISTING SUSPENDED CEILING SYSTEM AS REQUIRED TO COMPLETE SCOPE OF WORK SPECIFIED FOR THE SUSPENDED SANITARY WASTE PIPING. REMOVE CEILING TILES, SUSPENSION SYSTEM AND HANGER WIRES AS REQUIRED BY FIELD CONDITIONS. REFER TO PLUMBING DRAWING PD-102 FOR ADDITIONAL SCOPE OF WORK ITEMS. REINSTALL CEILING SYSTEM WHEN WORK IS COMPLETED.
2. CONTRACTOR SHALL REMOVE LOOSE FURNITURE SYSTEMS AND RELATED EQUIPMENT FROM WORK AREA AS REQUIRED TO COMPLETE DEMOLITION PHASE OF WORK, AND RETURN TO EXISTING LOCATION/CONFIGURATION WHEN COMPLETE.
3. INDICATES EXISTING SANITARY WASTE PIPING ABOVE SUSPENDED CEILING WHICH SERVICES THE SINK AT THE SEVENTH FLOOR LEVEL, EXISTING OFFICE 7432. REMOVE EXISTING SUSPENDED COPPER WASTE PIPING AND ALL SUPPORT BRACKETS, HANGER RODS AND DECK ANCHORS. REMOVE PIPING BACK TO RESPECTIVE SANITARY WASTE STACK INDICATED. CONTRACTOR SHALL PROVIDE SOLID PLUG AT TAKE-OFF HUB.
4. EXISTING 2" SANITARY WASTE PIPING UP THRU 7TH FLOOR DECK. REMOVE PIPING AND INFILL DECK OPENING. THIS WASTE PIPE SERVICES THE SINK IN OFFICE 7432. REFER TO CONCRETE DECK INFILL DETAIL.
5. INDICATES EXISTING 4" SANITARY WASTE STACK LOCATION.
6. EXISTING COLD AND HOT WATER SUPPLY RISERS ARE LOCATED WITHIN THIS GYPSUM BOARD PARTITION/WALL. SUPPLY PIPING IS ROUTED FROM THE FLOOR LEVEL BELOW THE SIXTH FLOOR. CONTRACTOR SHALL REMOVE THE WATER PIPING FROM THIS POINT OVER TO COLUMN LINE G & 6. CUT EXISTING WATER PIPING BELOW SEVENTH FLOOR DECK LINE. REFER TO PLUMBING DRAWINGS ON P-101 FOR NEW SCOPE OF WORK REQUIREMENTS.
7. EXISTING VENT PIPING AT THIS OLD SINK LOCATION SHALL BE REMOVED. CONTRACTOR SHALL CONFIRM IN FILED THAT THIS VENT STACK IS NOT CONNECTED TO ANOTHER FIXTURE VENT FROM THE FLOOR LEVELS BELOW THE SIXTH FLOOR LEVEL, OTHERWISE RECONNECT VENT AS SHOWN ON DETAIL 5 ON P-301.
8. REMOVE SUSPENDED CAST IRON SANITARY WASTE PIPE WHICH SERVICES THE WATER CLOSET AT THE TOILET ROOM AT THE SEVENTH FLOOR LEVEL ABOVE. REMOVE SANITARY PIPE BACK TO VERTICAL SANITARY WASTE STACK, CAP/PLUG PIPE AT STACK LOCATION.
9. INDICATES LOCATIONS FOR DECK OPENINGS AT SEVENTH FLOOR SLAB ABOVE.
10. DISCONNECT CW AND HW PIPES WHICH CONTINUE UP TO THE SEVENTH FLOOR LEVEL. CAP PIPES BELOW 7TH FLOOR DECK. REROUTE EXISTING VENT PIPING TO EXISTING VENT STACK AT COLUMN LINE H-6.

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

ISSUED FOR SOLICITATION	08/01/2016
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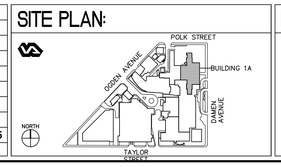
ISSUED FOR BIDS	12/03/2015
Revisions:	Date

SITE PLAN:



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BANCROFT ARCHITECTS + ENGINEERS
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Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
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Bancroft-AE Project No. 13-105-009

Drawing Title: PARTIAL SIXTH FLOOR - PLUMBING DEMOLITION PLAN

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: EM | Drawn: CM + JS

Project Number: 537-13-127

Building Number: 1A

Drawing Number: PD-101

Office of Construction and Facilities Management

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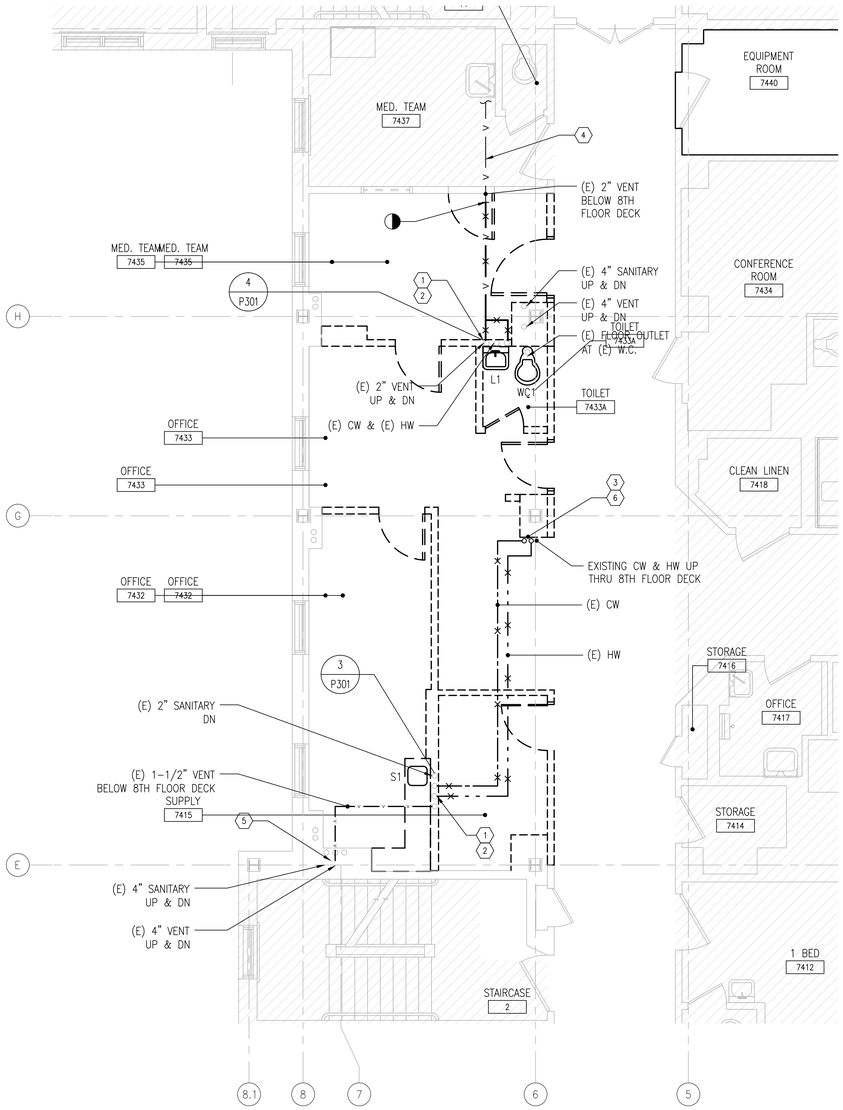
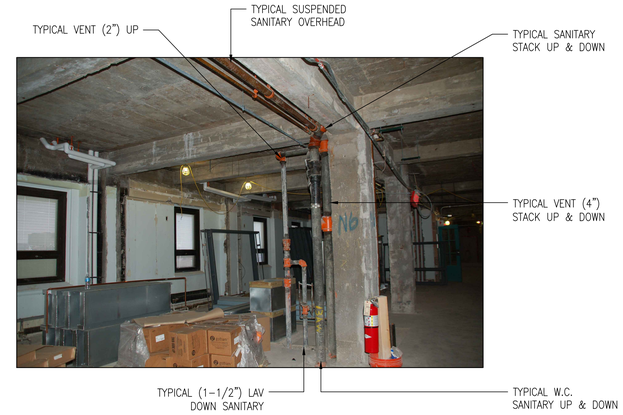
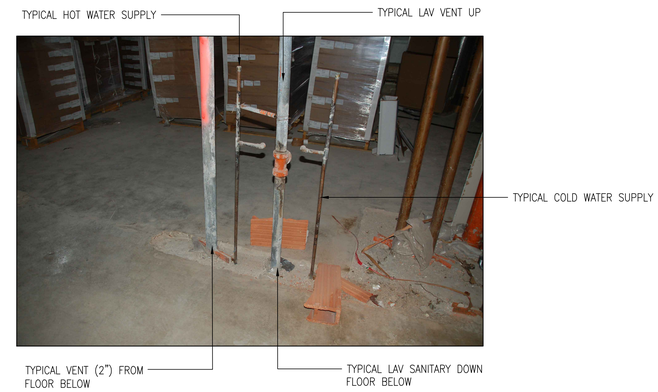


NORTH

1 PARTIAL SEVENTH FLOOR - PLUMBING DEMOLITION PLAN
1/4"=1'-0"



2 PLUMBING DIAGRAM EXAMPLE



3 PLUMBING DIAGRAM EXAMPLE

4 PLUMBING DIAGRAM EXAMPLE

THE ABOVE PHOTOS WERE TAKEN AT BUILDING 1A – SEVENTH FLOOR – NORTH WING. THE PIPING ARRANGEMENT SHOWN WITHIN THESE PHOTOS DEPICTS TYPICAL PIPING INSTALLATIONS/ROUTING. THESE PHOTOS SHALL BE USED AS A GUIDE FOR OUR PROJECT AREA. CONTRACTORS SHALL VISIT PROJECT SITE TO CONFIRM SCHEDULED DEMOLITION WORK.

GENERAL PLUMBING NOTES

1. FIELD VERIFY EXACT LOCATION OF SANITARY AND VENT PIPING ALONG WITH HOT AND COLD WATER PIPING BEFORE ANY DEMOLITION WORK PROCEEDS.
2. REFER TO PHOTO DOCUMENTATION WITHIN THE PROJECT MANUAL APPENDIX FOR SELECTED EXISTING CONDITIONS PHOTOS.

(X) PLUMBING DEMOLITION KEY NOTES

1. REMOVE PLUMBING FIXTURES COMPLETE ALONG WITH SANITARY AND VENT PIPING. TERMINATE SANITARY PIPING AT THE MAIN AND CAP-OFF. REMOVE RESPECTIVE VENT PIPING FROM FIXTURES BACK TO RESPECTIVE VENT STACKS AND CAP.
2. REMOVE COLD WATER AND HOT WATER PIPING AT ALL PLUMBING FIXTURES SCHEDULED TO BE REMOVED. REMOVE PIPING, HANGERS AND RELATED THREADED RODS ALONG WITH DECK HANGERS FLUSH WITH SURFACE.
3. FURNISH AND INSTALL VALVES AT WATER PIPE RISERS WHERE BRANCH LINES ARE SCHEDULED TO BE REMOVED.
4. EXISTING 2" VENT IS SCHEDULED TO REMAIN, EXCEPT WHERE NOTED.
5. EXISTING SANITARY AND VENT STACK LOCATION. MAIN STACKS ARE SCHEDULED TO REMAIN.
6. COLD WATER AND HOT WATER RISERS SHALL BE REMOVED TO THIS POINT. PREPARE PIPING FOR NEW CONNECTION.
7. PROVIDE CONCRETE INFILL AT ABANDONED DECK OPENINGS. REFER TO DETAIL 5 ON DRAWING AD-103.

IDIQ CONTRACT NO. VA69D-13-D-0042
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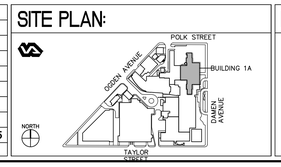

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Bancroft-AE Project No. 13-105-009

Drawing Title: PARTIAL SEVENTH FLOOR - PLUMBING DEMOLITION PLAN

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: EM | Drawn: CM + KR

Project Number: 537-13-127

Building Number: 1A

Drawing Number: PD-102

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

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one eighth inch = one foot one quarter inch = one foot three eighths inch = one foot one half inch = one foot three quarters inch = one foot one inch = one foot one and one half inches = one foot three inches = one foot
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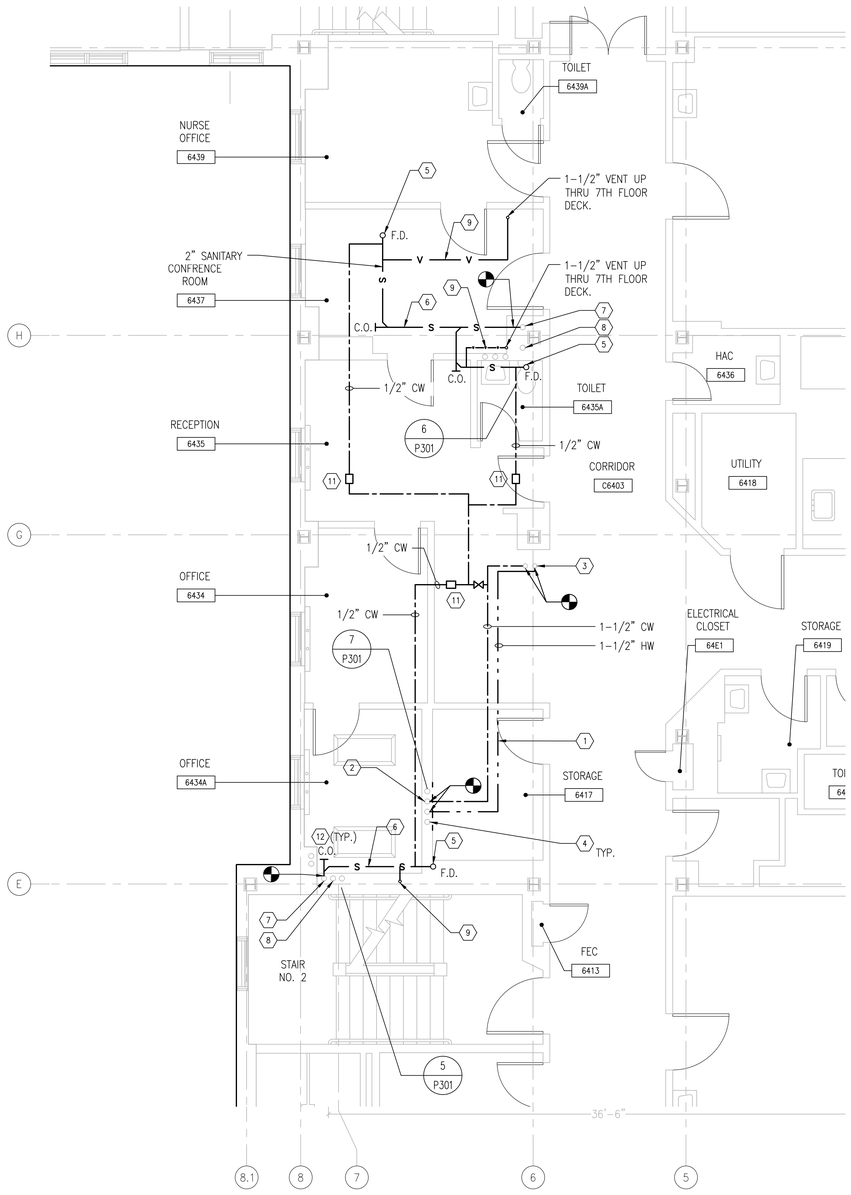
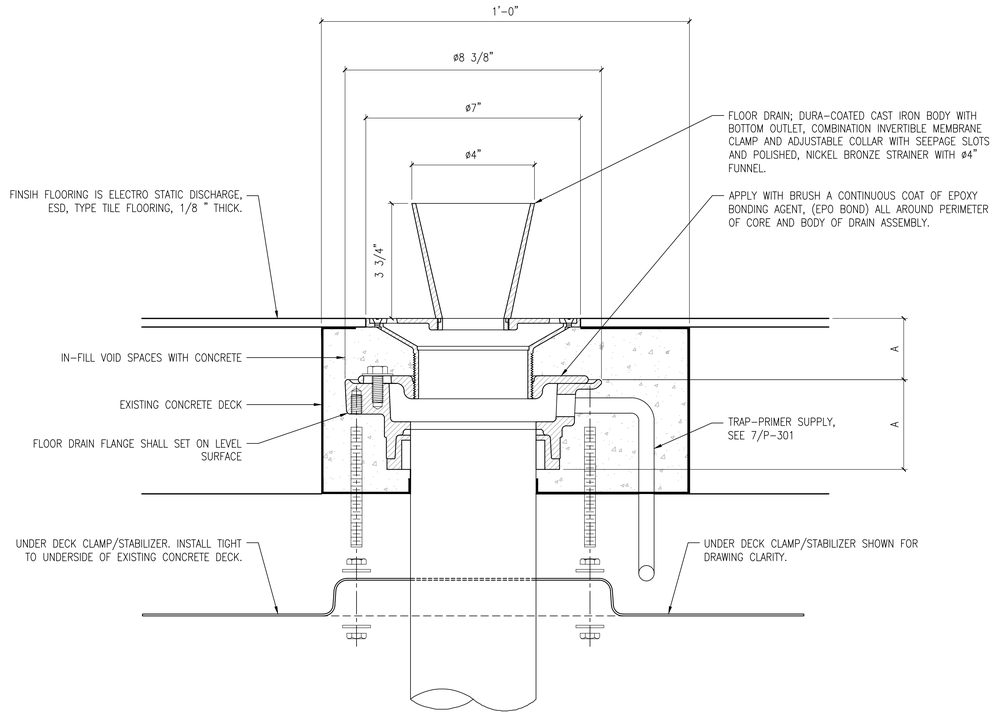


1 PARTIAL SIXTH FLOOR - PLUMBING PLAN
1/4"=1'-0"



2 FLOOR DRAIN DETAIL
6"=1'-0"

A. CONFIRM DIMENSION WITH FINAL FLOOR DRAIN SIZE/DIAMETER.

B. CORE DRILL EXISTING CONCRETE DECK, CONFIRM DIAMETER OF OPENING WITH FINAL FLOOR DRAIN DIMENSION.

PLUMBING KEY NOTES

1. INDICATES COLD AND HOT WATER PIPING. PROVIDE THREADED ROD, DECK ANCHORS AND SUPPORT SYSTEM FOR PIPING SYSTEM. VERIFY FINAL ROUTING IN FIELD WITH EXISTING ABOVE CEILING CONDUITS AND DUCT WORK SYSTEMS.
2. CONNECT COLD AND HOT WATER PIPING TO RESPECTIVE EXISTING MAIN RISERS AT THIS LOCATION.
3. INDICATES LOCATION FOR COLD AND HOT WATER RISERS UP THRU SEVENTH FLOOR DECK. CORE DRILL EXISTING CONCRETE DECK/SLAB.
4. REFER TO PIPING SPECIFICATION IN PROJECT MANUAL FOR PIPE MATERIAL AND RELATED THERMAL SYSTEM INSULATION (TSI).
5. FURNISH AND INSTALL OPEN SITE FLOOR DRAIN AT SEVENTH FLOOR DECK ABOVE.
6. FURNISH AND INSTALL SUSPENDED 2" SANITARY PIPING.
7. INDICATES LOCATION OF EXISTING 4" SANITARY STACK.
8. INDICATES LOCATION EXISTING 4" VENT STACK.
9. FURNISH AND INSTALL 1-1/2" VENT PIPING.
10. ALL WATER PIPING AND SANITARY PIPING SHALL BE INSULATED.
11. FURNISH AND INSTALL NEW TRAP PRIMER TO SERVE FLOOR DRAIN. ROUTE 1/2" CW TO EACH INDIVIDUAL FLOOR DRAIN.

    TRAP PRIMER: PRESSURE DROP ACTIVATED BRASS TRAP SEAL PRIMER, WITH INLET OPENING OF 1/2" MALE N.P.T AND OUTLET OPENING OF FEMALE 1/2" N.P.T. REMOVABLE FILTER SCREEN AND ASSE 1018 APPROVED. REQUIRE NO ADJUSTMENT AND NO AIR PRE-CHARGE.
12. CLEANOUT (C.O.)- DURA-COATED CAST IRON BODY WITH GAS AND WATERTIGHT ABS TAPERED THREAD PLUG.

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

Revisions	Date
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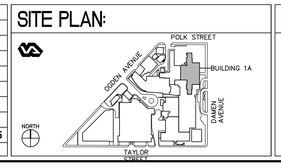
SITE PLAN:



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Drawing Title: PARTIAL SIXTH FLOOR - PLUMBING PLAN
Approved: Project Director
Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM
Location: CHICAGO, ILLINOIS
Date: 12/03/2015
Checked: EM
Drawn: CM + JS
Project Number: 537-13-127
Building Number: 1A
Drawing Number: P-101

Office of Construction and Facilities Management
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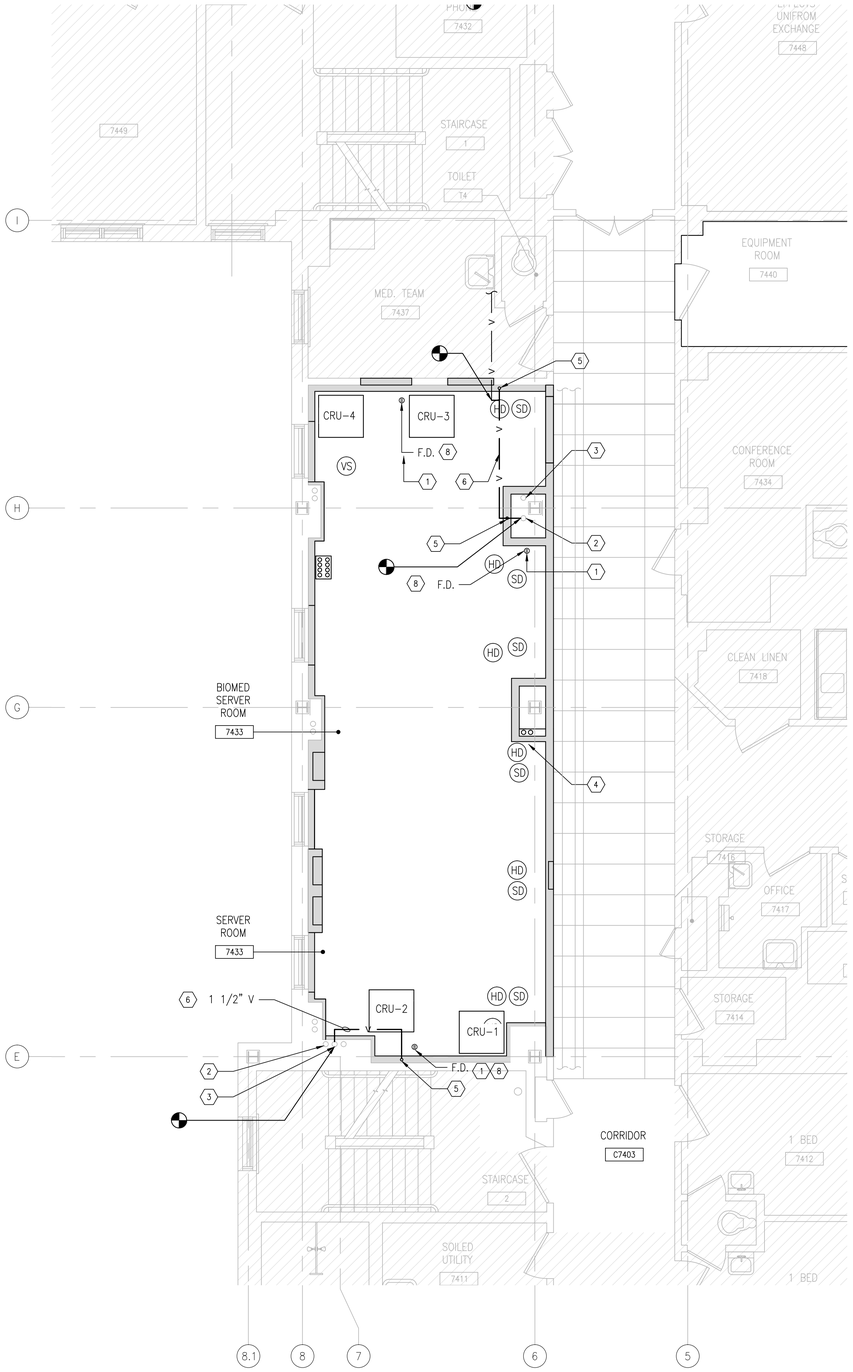
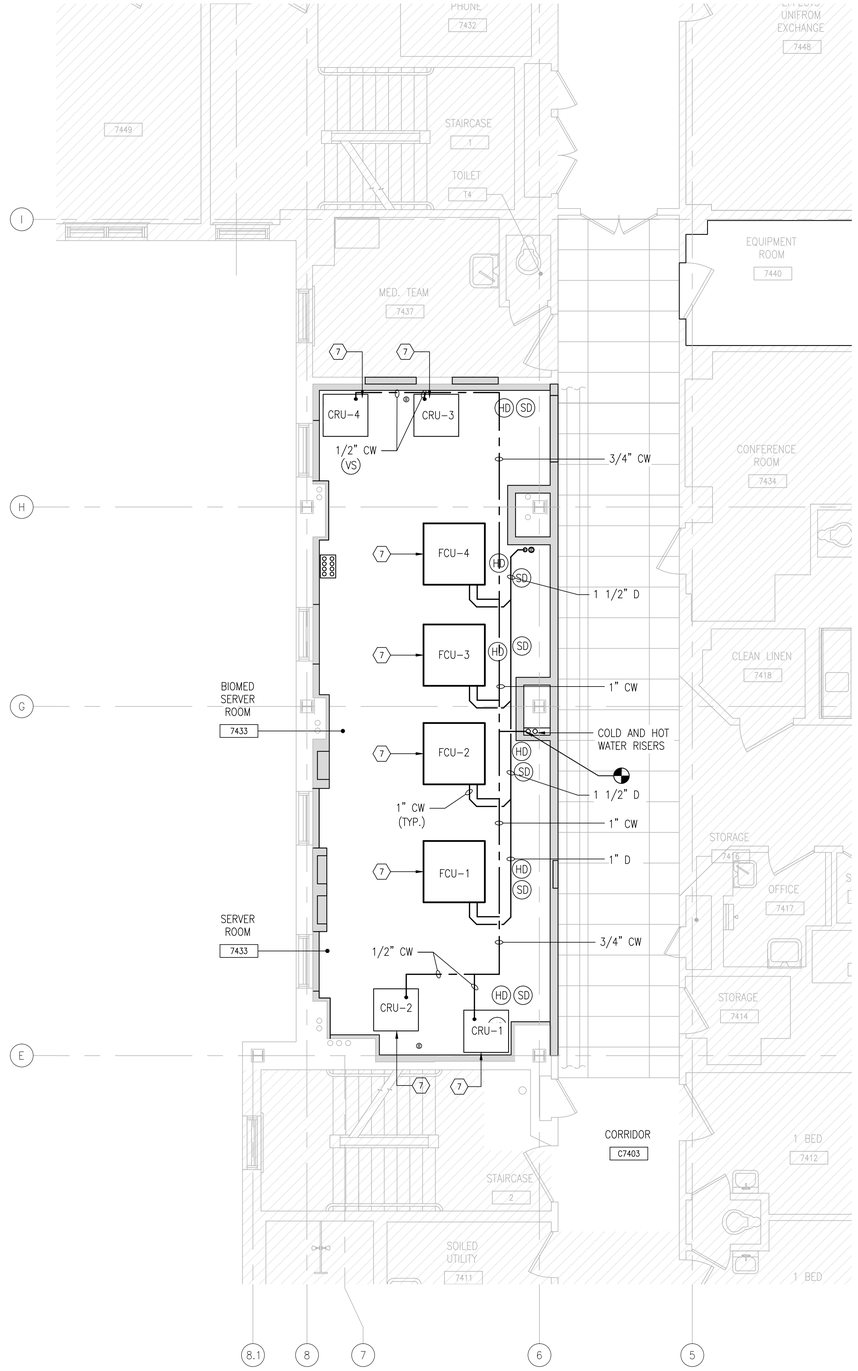


NORTH

1 PARTIAL SEVENTH FLOOR - SANITARY PLAN

1/4"=1'-0"



NORTH

2 PARTIAL SEVENTH FLOOR - DOMESTIC PIPING PLAN

1/4"=1'-0"

PLUMBING KEY NOTES

1. INDICATES OPEN SITE FLOOR DRAINS. REFER TO DRAWING P-101 FOR SANITARY WASTE PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
2. EXISTING 4" VENT STACK.
3. EXISTING 4" SANITARY STACK.
4. REFER TO DRAWING P-101 FOR COLD AND HOT WATER PIPING. CONNECT INTO RESPECTIVE PIPES AT COLUMN LINE G + 6 BELOW SEVENTH FLOOR DECK.
5. 1 1/2" VENT PIPE FROM SIXTH FLOOR LEVEL. REFER TO DRAWING P-101.
6. INDICATES VENT PIPING BELOW EIGHT FLOOR DECK.
7. ROUTE 1/2" CW TO EACH MECHANICAL UNIT. PROVIDE SHUT-OFF VALVE AT EACH PIECE OF EQUIPMENT, 4 FCU AND 4 CRU. ROUTE 1" CONDENSATE DRAIN TO NEARBY FLOOR DRAIN PITCH PIPING 1/8".
8. F.D. FLOOR DRAIN – CAST IRON BODY, NICKEL BRONZE ADJUSTABLE TOP, 7" ROUND, 4" DIAMETER FUNNEL 2" BOTTOM OUTLET, FLASHING COLLAR, DEEP SEAL TRAP. REFER TO DRAWING 2/P-101 FOR DETAIL.

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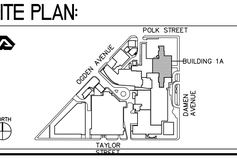

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Drawing Title: PARTIAL SEVENTH FLOOR - PLUMBING PLAN

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: EM | Drawn: CM + JS

Project Number: 537-13-127

Building Number: 1A

Drawing Number: P-102

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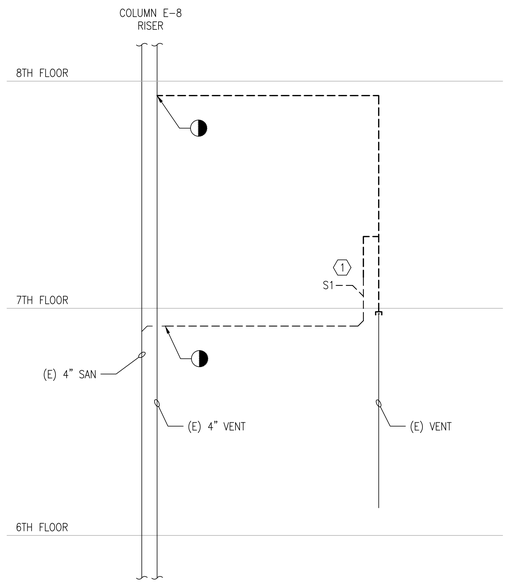
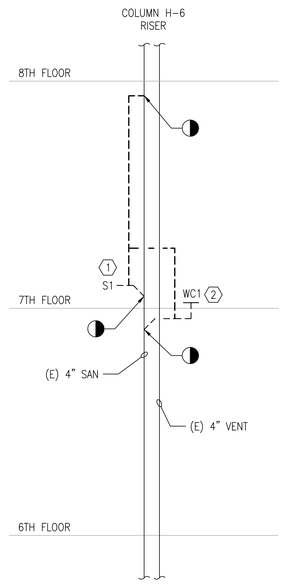
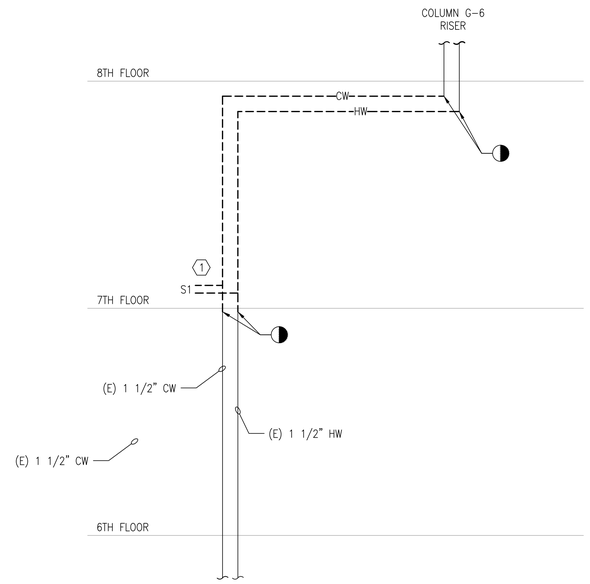


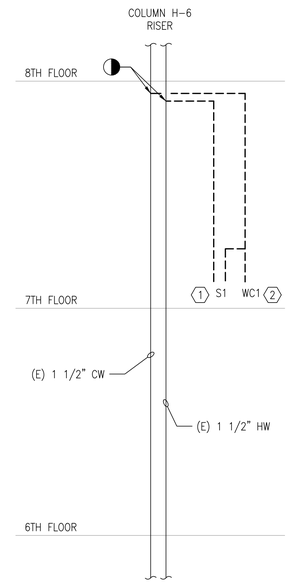
1 SANITARY AND VENT PIPING DIAGRAM- DEMOLITION



2 SANITARY AND VENT PIPING DIAGRAM- DEMOLITION



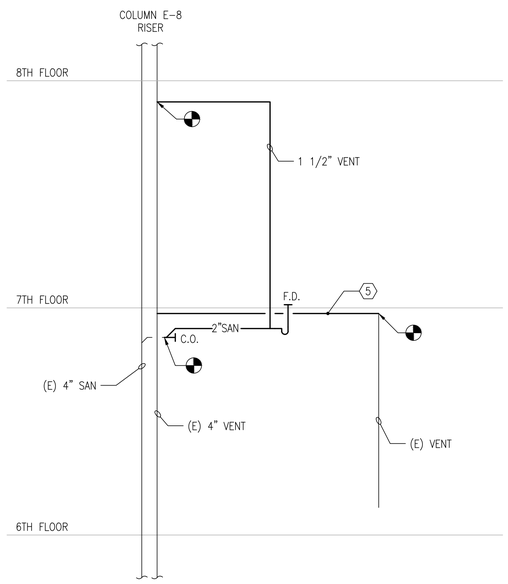
3 DOMESTIC WATER PIPING DIAGRAM- DEMOLITION



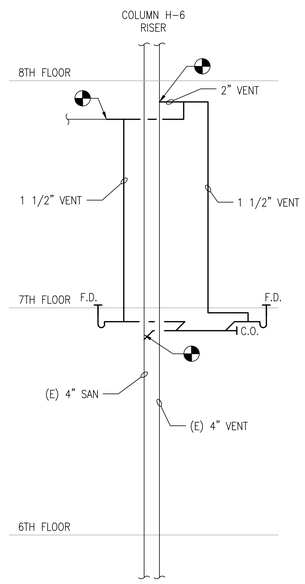
4 DOMESTIC WATER PIPING DIAGRAM- DEMOLITION

X PLUMBING KEY NOTES

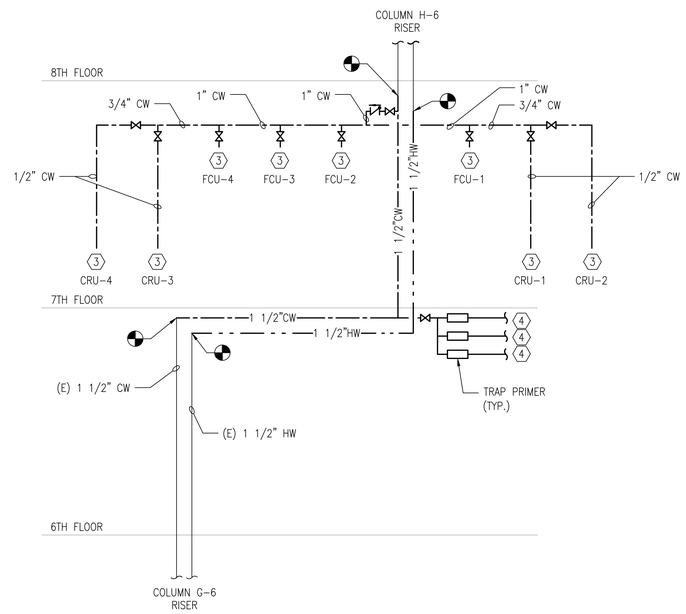
1. DEMO AND REMOVE EXISTING SINK AND ALL ASSOCIATED PIPING BACK TO MAIN. CAP AND SEAL ALL PIPING.
2. DEMO AND REMOVE WATER CLOSET AND ALL ASSOCIATED PIPING BACK TO MAIN. CAP AND SEAL ALL PIPING.
3. PROVIDE 1/2" CW PIPING TO SERVE MECHANICAL EQUIPMENT. PROVIDE SHUT-OFF VALVE AT EACH INDIVIDUAL EQUIPMENT.
4. ROUTE 1/2" CW TO SERVE FLOOR DRAIN.
5. RECONNECT TO VENT UNLESS CONTRACTOR IS ABLE TO DETERMINE THAT VENT STACK IS NOT CONNECTED TO ANY OTHER FIXTURES BELOW THE 6TH FLOOR.



5 SANITARY AND VENT PIPING DIAGRAM



6 SANITARY AND VENT PIPING DIAGRAM

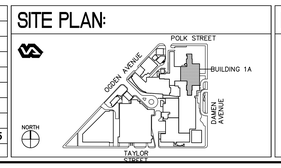


7 DOMESTIC WATER PIPING DIAGRAM

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

Revisions	Date
ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: PLUMBING RISER DIAGRAM

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: EM | Drawn: RAH

Project Number: 537-13-127

Building Number: 1A

Drawing Number: P-301

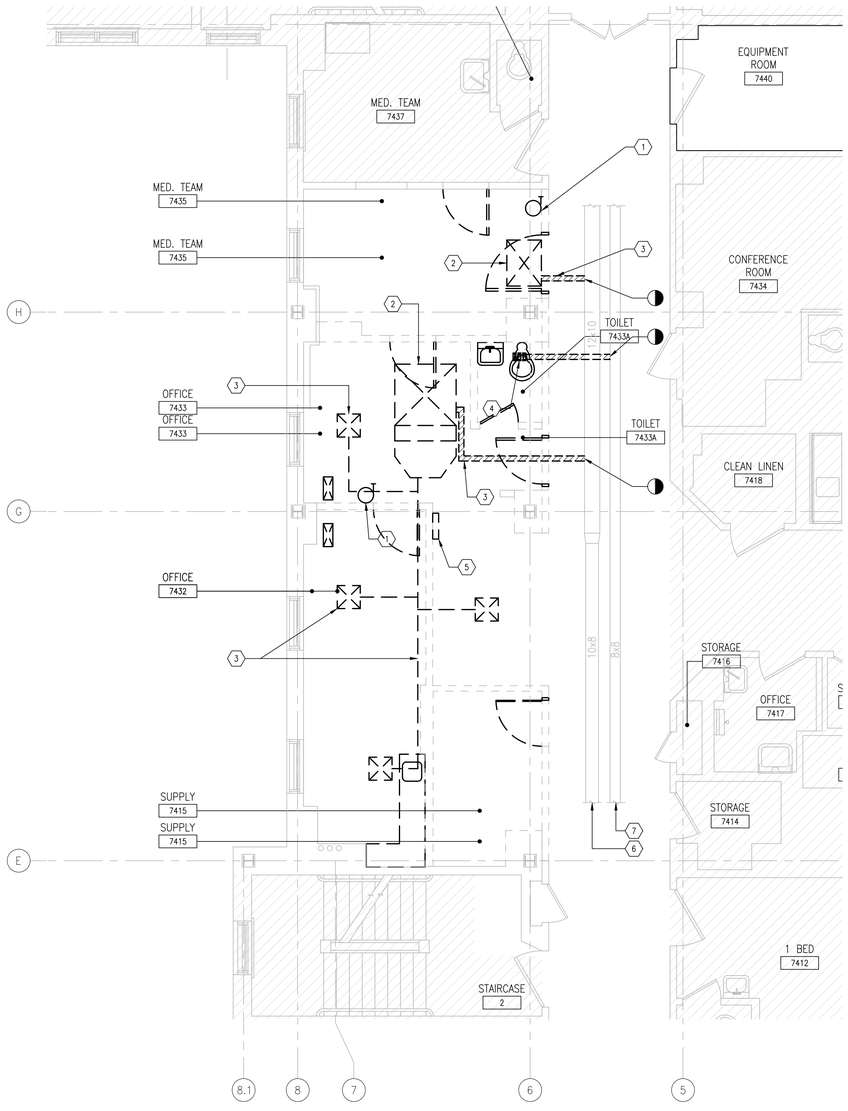
Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

ISSUED FOR BIDS - NOT FOR CONSTRUCTION

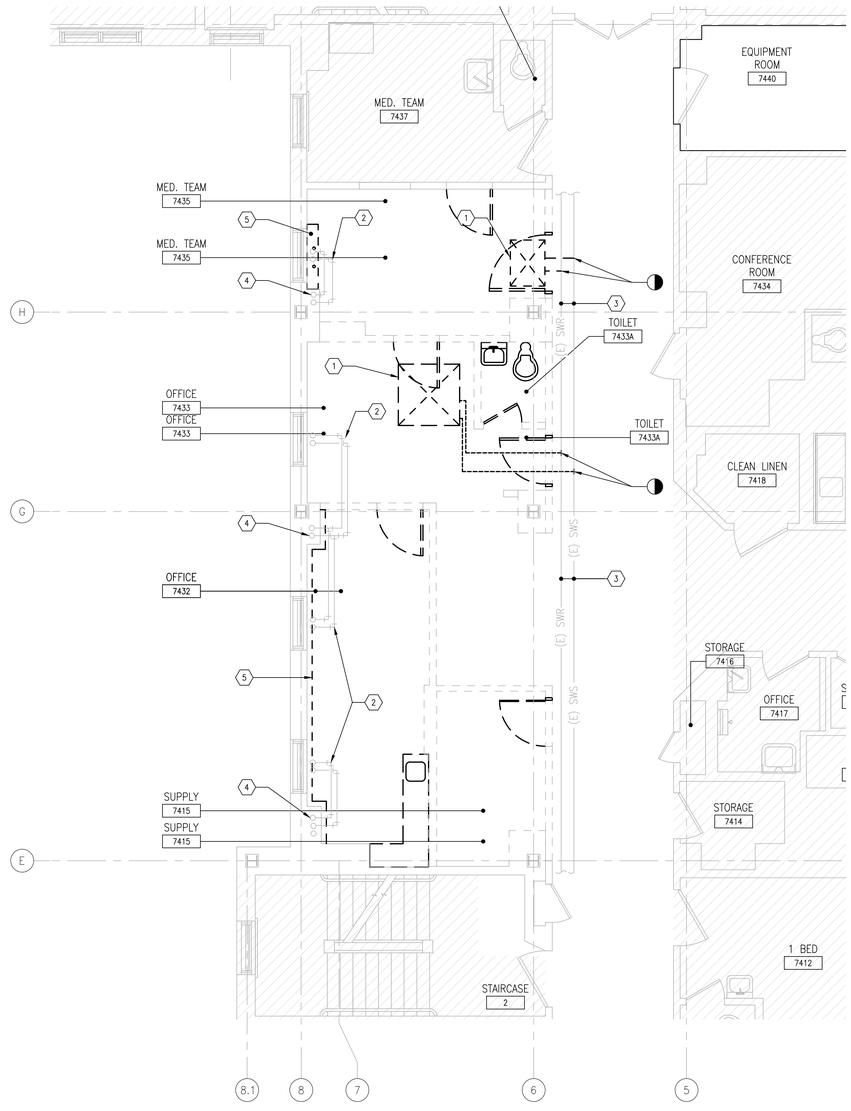
K:\CCG_PROJECTS\2013\13-105 - Jesse Brown (AE) Design IDIQ VA69D-13-D-0042\Task Order No. 09 - BioMed Server Room 537-14-127\400- D537.13.127.P-301.dwg 8-01-16 02:53:59 PM ABlessman



NORTH

1 PARTIAL SEVENTH FLOOR - MECHANICAL VENTILATION DEMOLITION PLAN

1/4"=1'-0"



NORTH

2 PARTIAL SEVENTH FLOOR - MECHANICAL PIPING DEMOLITION PLAN

1/4"=1'-0"

GENERAL NOTES

1. CONTRACTOR SHALL REFER TO PHOTO DOCUMENTATION WITHIN THE PROJECT MANUAL APPENDIX FOR SELECTED EXISTING CONDITIONS.

(X) MECHANICAL VENTILATION DEMOLITION NOTES

1. REMOVE EXISTING THERMOSTATS AND CONTROL WIRING WITHIN PROJECT AREA. REMOVE CONTROL WIRING BACK TO NEAREST CONTROL PANEL.
2. REMOVE EXISTING SUSPENDED FAN COIL UNIT AND RELATED SUPPLY AND RETURN PIPING SYSTEMS. REMOVE HANGER RODS AND DECK ANCHORS. REMOVE SUPPLY AND RETURN PIPING BACK TO MAIN PIPE CONNECTION POINTS AND CAP. PIPING MAINS ARE LOCATED WITHIN THE CORRIDOR SUSPENDED CEILING SPACE.
3. REMOVE EXISTING SUPPLY GRILLE AND SHEET METAL DUCT WORK WITHIN PROJECT AREA. CAP AND SEAL SUPPLY DUCT OPENING.
4. REMOVE TOILET ROOM EXHAUST GRILLE AND RELATED DUCT WORK BACK TO MAIN WITHIN THE CORRIDOR CEILING SPACE. CONTRACTOR SHALL CAP AND SEAL EXHAUST DUCT OPENING.
5. REMOVE AND RELOCATE EXISTING MEDICAL GAS "LOCAL AREA ALARM PANEL – 7 SOUTH" WITH ALL ASSOCIATED COMPONENTS. REMOVE EXISTING CONTROL AND POWER WIRING. REFER TO DRAWING M-101 FOR RELOCATION.
6. EXISTING SUPPLY DUCT.
7. EXISTING TOILET EXHAUST DUCT.

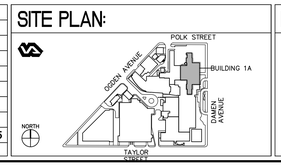
(X) MECHANICAL PIPING DEMOLITION NOTES

1. REMOVE EXISTING SUSPENDED FAN COIL UNIT AND RELATED SUPPLY AND RETURN PIPING SYSTEMS. REMOVE HANGER RODS AND DECK ANCHORS. REMOVE SUPPLY AND RETURN PIPING BACK TO MAIN PIPE CONNECTION POINTS AND CAP.
2. INDICATES SUPPLY AND RETURN PIPING SYSTEMS WHICH SERVICES THE FIN TUBE RADIATION ELEMENTS AT THE EIGHT FLOOR LEVEL ABOVE. THESE PIPES SHALL REMAIN IN PLACE. CONTRACTOR SHALL BE CAREFUL WORKING AROUND THESE PIPES AS TO NOT DISLODGE OR DAMAGE THE CURRENT THERMAL SYSTEM INSULATION. (OWNER WILL CONTRACT SEPARATELY FOR ANY ASBESTOS ABATEMENT ACTIVITIES RELATED TO THE THERMAL SYSTEM INSULATION.)
3. INDICATES EXISTING SYSTEM WATER SUPPLY AND SYSTEM WATER RETURN PIPES. REMOVE EXISTING THERMAL SYSTEM INSULATION. APPROXIMATE TOTAL LENGTH IS 50 FEET OF THERMAL SYSTEM INSULATION.
4. INDICATES EXISTING SWS AND SWR RISER LOCATIONS.
5. REMOVE EXISTING FIN TUBE ELEMENT PIPING AND COVER ALONG EXTERIOR WALL. REMOVE EXISTING SUPPLY AND RETURN PIPING BACK TO RESPECTIVE MAIN TAKE-OFFS AT SIXTH FLOOR CEILING SPACE. IN-FILL ABANDONED HOLES AT CONCRETE DECK. REFER TO DETAIL 5 ON DRAWING AD-103

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015
Revisions:	Date

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: PARTIAL SEVENTH FLOOR - MECHANICAL DEMOLITION PLAN

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: SAT | Drawn: RAH

Project Number: 537-13-127

Building Number: 1A

Drawing Number: MD-101

Office of Construction and Facilities Management

Department of Veterans Affairs

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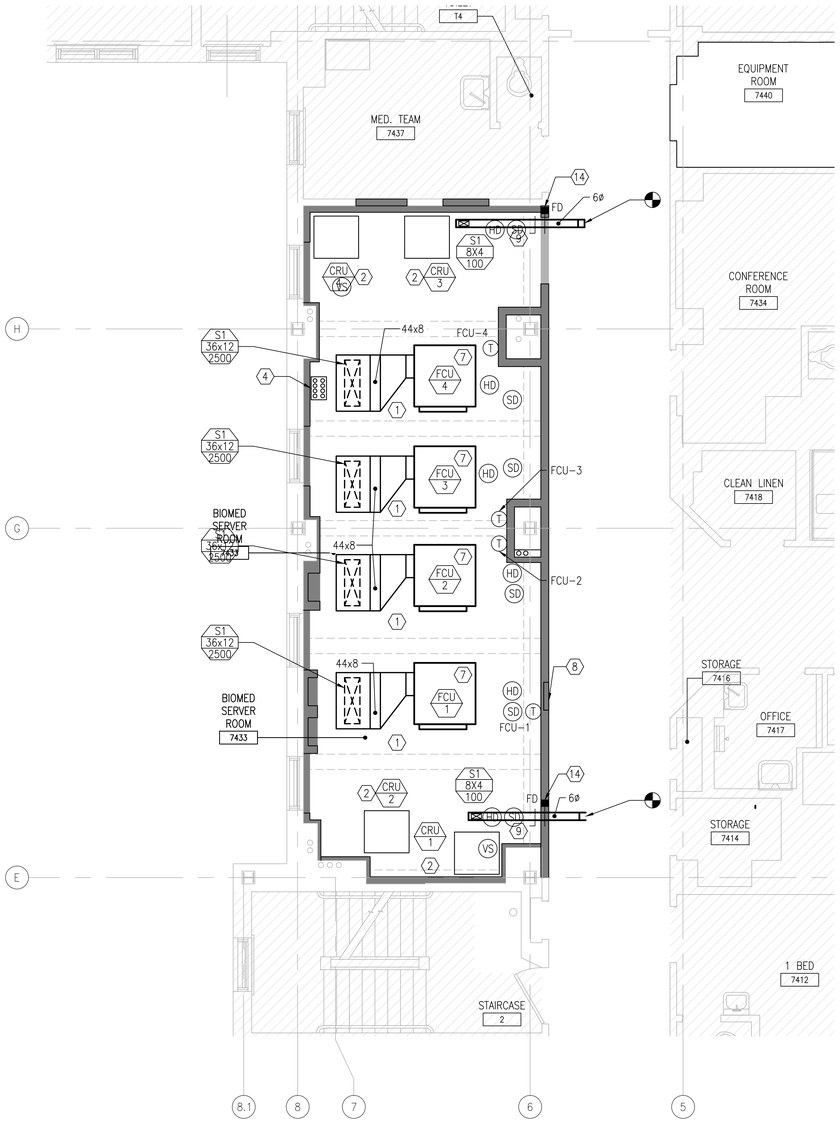
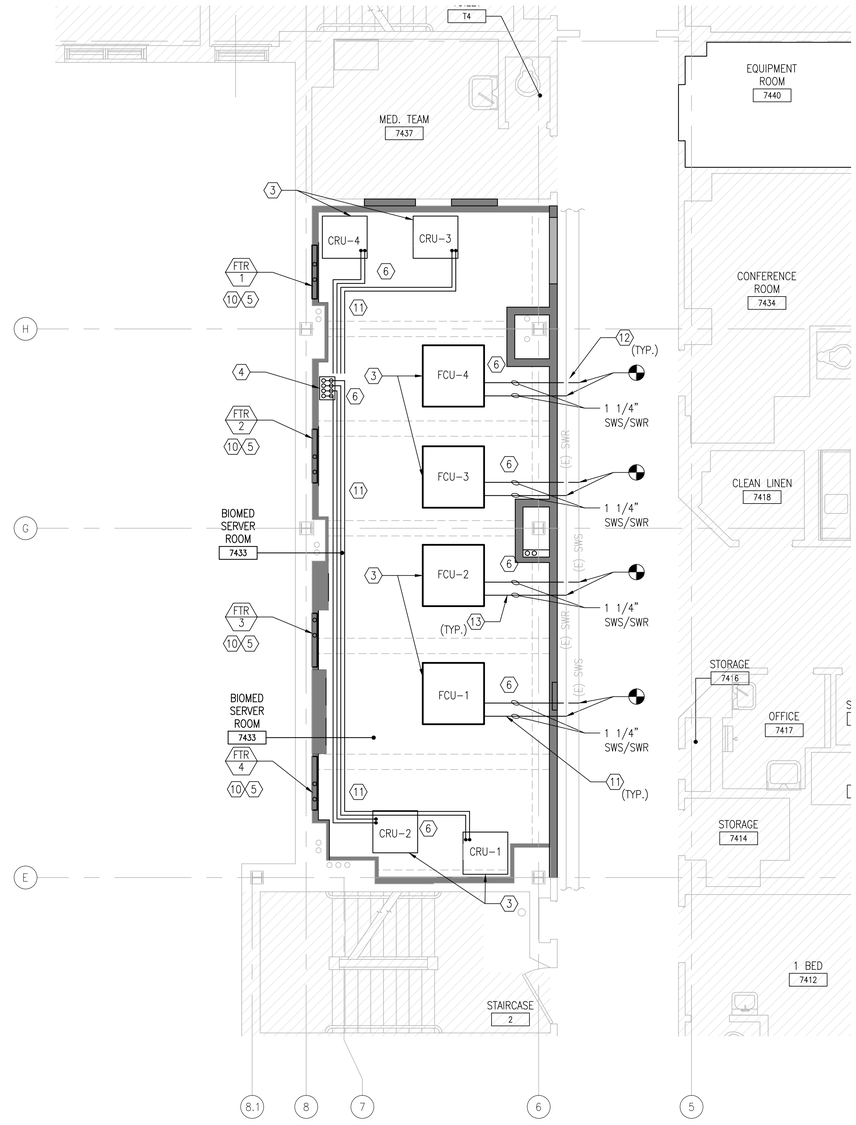


NORTH

1 PARTIAL SEVENTH FLOOR - MECHANICAL VENTILATION PLAN
1/4"=1'-0"



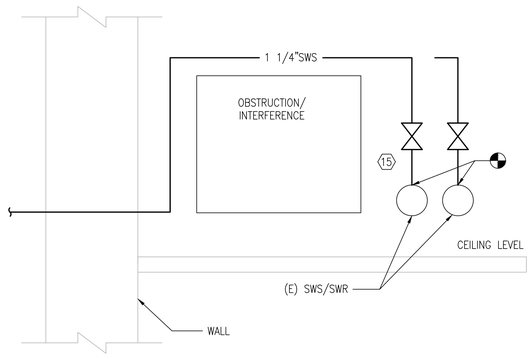
NORTH

2 PARTIAL SEVENTH FLOOR - MECHANICAL PIPING PLAN
1/4"=1'-0"

REFER TO DRAWING M-102 FOR REFRIGERANT PIPING PLAN

(X) MECHANICAL KEY NOTES

1. FURNISH AND INSTALL CEILING MOUNTED FAN COIL UNIT (FCU) PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS. PROVIDE MAINTENANCE AND SERVICE ACCESS PER MANUFACTURER'S REQUIREMENTS.
2. FURNISH AND INSTALL COMPUTER ROOM UNIT (CRU) PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH ALL REQUIRED CLEARANCES.
3. ROUTE 1" GRAVITY DRAIN TO NEARBY OPEN SITE FLOOR DRAIN. REFER TO DETAIL 2 ON P-102 FOR DRAIN ROUTING.
4. ROUTE REFRIGERANT LINES FROM CRU IN PIPE CHASE UP TO ITS ASSOCIATED ROOF MOUNTED CONDENSING UNIT. SIZE AND INSTALL REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.
5. FURNISH AND INSTALL FIN-TUBE RADIATION (FTR) PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. CONNECT SWS & SWR PIPES WITHIN SIXTH FLOOR CEILING SPACE.
6. ALL SWS/SWR AND REFRIGERANT PIPING SHALL BE INSULATED. REFER TO PROJECT MANUAL FOR PIPE COVERING SPECIFICATIONS.
7. CONTRACTOR SHALL LOCATE FAN COIL UNITS WITH REQUIRED ACCESS SPACE FOR SERVICE AND MAINTENANCE. INDICATE REQUIRED CLEARANCES ON SHOP DRAWING.
8. CONTRACTOR SHALL RELOCATE EXISTING MEDICAL GAS AREA ALARM PANEL TO THIS LOCATION. FURNISH AND INSTALL CONTROL WIRING FOR ALL GASES: OXYGEN, AIR AND VACUUM.
9. REFER TO DETAIL 7 ON M-601 FOR VOLUME DAMPER DETAIL. (TYP.)
10. REFER TO DETAIL 6 ON M-601 FOR FIN-TUBE RADIATION PIPING DIAGRAM. (TYP.)
11. REFER TO DETAIL 1 ON M-601 FOR PIPE HANGERS (TYP.)
12. REFER TO DETAIL 4 ON M-601 FOR PIPE SLEEVE THRU INTERIOR 2-HOUR RATED FIRE WALL DETAIL. (TYP.)
13. REFER TO DETAIL 9 ON M-601 FOR FAN COIL UNIT PIPING CONNECTION DETAIL.
14. REFER TO DETAIL 8 ON M-601 FOR FIRE DAMPER INSTALLATION.
15. FURNISH AND INSTALL SHUT-OFF VALVE IN VERTICAL DIRECTION IN CORRIDOR SPACE. REWORK PIPING TO ACCOMMODATE EXISTING CONDITIONS. ROUTE PIPING AROUND EXISTING CONFLICTS.

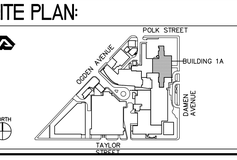


3 SECTION VIEW
NTS

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

Revisions:	Date
ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: PARTIAL SEVENTH FLOOR - MECHANICAL PLAN

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: SAT | Drawn: RAH

Project Number: 537-13-127

Building Number: 1A

Drawing Number: M-101

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

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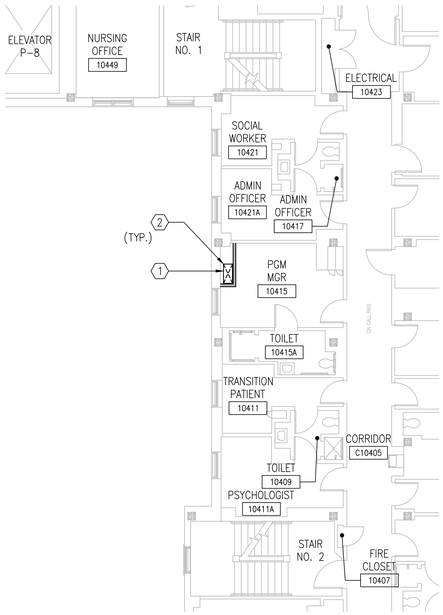
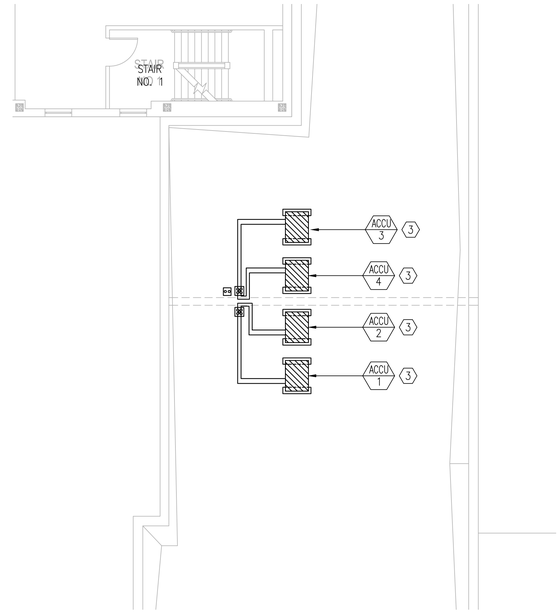
one eighth inch = one foot ... one inch = one foot ... three inches = one foot
K:\CCG_PROJECTS\2013\13-105 - Jesse Brown (AE) Design IDIQ VA69D-13-D-0042\Task Order No. 09 - BioMed Server Room 537-14-127\400- D537.13.127.M-101.dwg 8-01-16 02:42:43 PM ABlessman



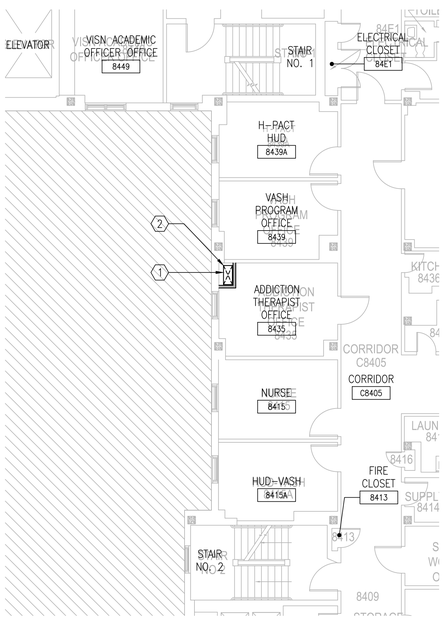
NORTH

3 PARTIAL TENTH FLOOR - CONSTRUCTION PLAN
1/8"=1'-0"



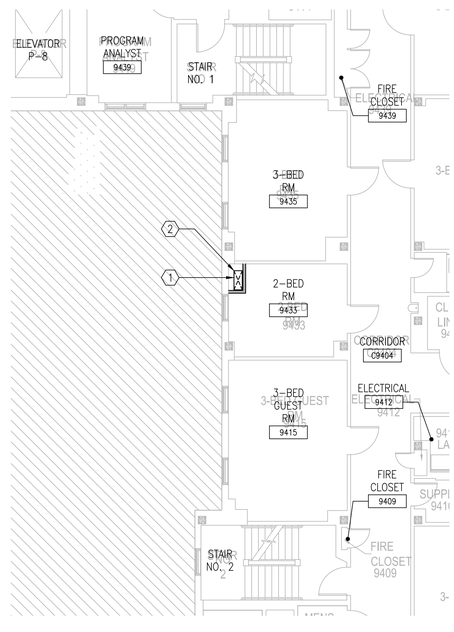
NORTH

4 PARTIAL ELEVENTH FLOOR LEVEL/ROOF DECK - CONSTRUCTION PLAN
1/8"=1'-0"



NORTH

1 PARTIAL EIGHTH FLOOR - CONSTRUCTION PLAN
1/8"=1'-0"



NORTH

2 PARTIAL NINTH FLOOR - CONSTRUCTION PLAN
1/8"=1'-0"

MECHANICAL KEYS NOTES

1. ROUTE REFRIGERANT LINES IN GYPSUM BOARD CHASE UP TO ROOF MOUNTED CONDENSING UNIT SIZE AND INSTALL PER MANUFACTURER'S RECOMMENDATION.
2. REFER TO DETAIL 3 ON M-601 FOR SUPPORT/ANCHOR FOR PIPE RISER. (TYP.)
3. FURNISH AND INSTALL ROOF CURB FOR CONDENSING UNIT. REFER TO DETAIL 4 ON A-303 FOR EQUIPMENT RAIL FOR AIR COOLED CONDENSING UNIT.

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

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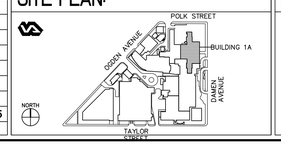
ISSUED FOR BIDS	12/03/2015
Revisions:	Date

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: PARTIAL EIGHTH FLOOR TO ROOF DECK - MECHANICAL PLAN

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: SAT | Drawn: RAH

Project Number: 537-13-127

Building Number: 1A

Drawing Number: M-102

Office of Construction and Facilities Management

Department of Veterans Affairs

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one eighth inch = one foot one quarter inch = one foot three eighths inch = one foot one half inch = one foot three quarters inch = one foot one inch = one foot one and one half inches = one foot three inches = one foot
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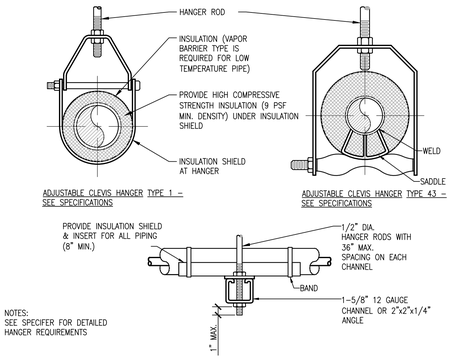
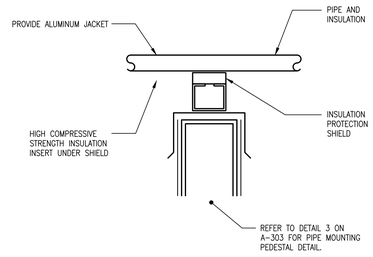


NOTES:
SEE SPECIFER FOR DETAILED HANGER REQUIREMENTS

SIDE VIEW TRAPEZE HANGER FOR UP TO 1000 LB. UNIFORM LOAD
ALL SUPPORT SYSTEM COMPONENTS SHALL BE GALVANIZED MATERIAL.

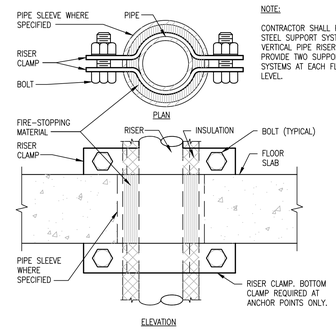
MAXIMUM PIPE/TUBING SUPPORT SPACING									
NOM. SIZE	IN.	THRU 3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
PIPE	FT.	7	7	7	9	10	11	12	14
TUBING	FT.	5 FT	6	7	8	8	9	10	12
NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.									

1 PIPE HANGERS
NTS



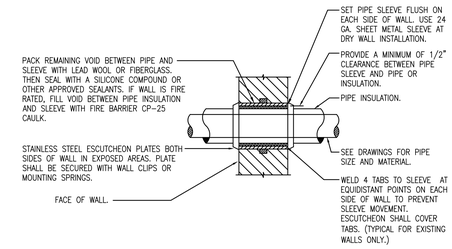
NOTES:
PROVIDE GALVANIZED CLAMPS AT ALL PIPES

2 DETAIL FOR SUPPORTING PIPE ON ROOF
NTS



NOTE:
CONTRACTOR SHALL PROVIDE STEEL SUPPORT SYSTEM AT VERTICAL PIPE RISERS. PROVIDE TWO SUPPORT SYSTEMS AT EACH FLOOR LEVEL.

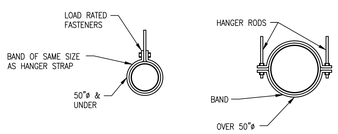
3 SUPPORT/ANCHOR FOR PIPE RISERS
NTS



DETAIL NOTES:

1. I.D. OF OF PIPE SLEEVE TO BE A MIN. OF 1/2" LARGER THAN O.D. OF PIPE OR INSULATION PASSING THROUGH WALL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THEIR SLEEVES WITH OTHER TRADES AND/OR CONTRACTORS.
3. PIPE SLEEVES THRU SMOKE OR FIRE WALLS SHALL BE IN COMPLIANCE WITH NFPA-90A.

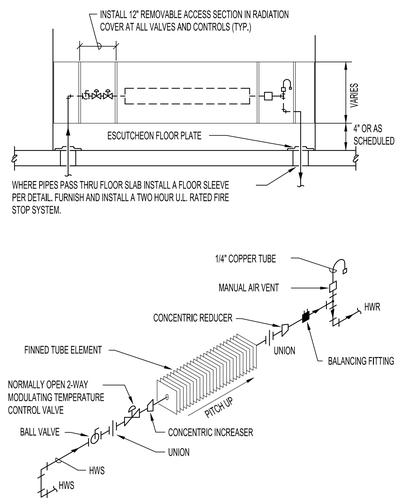
4 PIPE SLEEVE THRU INTERIOR 2 HOUR RATED FIRE WALL DETAIL
NTS



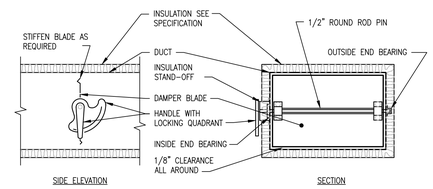
HANGER STRAPS OR RODS			
MAX. DUCT ø IN.	QUANTITY/SIZE IN.	MAX. LOAD LBS.	MAX SPACING IN.
26	ONE 1 x 22 GA STRAP	260	144

NOTE:
TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD.

5 ROUND DUCT HANGERS
NTS



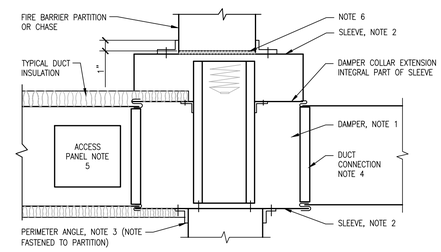
6 FIN-TUBE RADIATION PIPING DIAGRAM
NTS



NOTE:

1. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
2. DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.

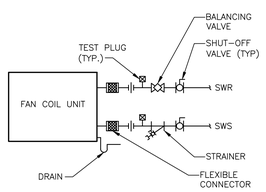
7 VOLUME DAMPER DETAIL
NTS



NOTE:

1. A VERTICAL DAMPER IS SHOWN. HORIZONTAL DAMPER INSTALLATION, IS SIMILAR. FOLLOW DAMPER MANUFACTURER'S INSTRUCTIONS, INCLUDING FASTENER OPTIONS AND GAGES FOR SLEEVE AND PERIMETER ANGLES. FIRE DAMPERS MUST BE INSTALLED IN THE PARTITION OR FLOOR AND NOT OUTSIDE THE PENETRATION.
2. GALVANIZED SLEEVE: GAGE NOT LESS THAN CONNECTING DUCT. FASTEN SLEEVE TO DAMPER FRAME AND TO PERIMETER ANGLES.
3. PERIMETER ANGLES: GALVANIZED STEEL, NOT LESS THAN 1 1/2"x1 1/2", 14 GAGE, TO PROVIDE 1" MINIMUM OVERLAP OF OPENING ON ALL 4 SIDES.
4. BREAKAWAY DUCT CONNECTION: CONTRACTOR'S OPTION OF TYPES SHOWN IN SMACNA. ACCESS PANELS: SIZE AND LOCATION TO PERMIT SERVICING THE FUSIBLE LINK OR LINKS.
5. PROVIDE 1/4" TO 1/2" CLEARANCE ON HEIGHT AND WIDTH. FILL OPEN SPACE WITH ROCK WOOL FIRESTOP FIBER.

8 SECTION THRU FIRE DAMPER INSTALLATION
NTS

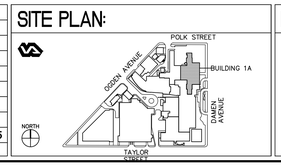


9 FAN COIL UNIT - PIPING CONNECTIONS
NTS

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

Revisions:	Date
ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: MECHANICAL DETAILS
Approved: Project Director
Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM
Location: CHICAGO, ILLINOIS
Date: 12/03/2015
Checked: SAT
Drawn: RAH
Project Number: 537-13-127
Building Number: 1A
Drawing Number: M-601

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

ISSUED FOR BIDS - NOT FOR CONSTRUCTION

one eighth inch = one foot one quarter inch = one foot three eighths inch = one foot one half inch = one foot three quarters inch = one foot one inch = one foot one and one half inches = one foot three inches = one foot
K:\CCG_PROJECTS\2013\13-105 - Jesse Brown (AE) Design IDIQ VA69D-13-D-0042\Task Order No. 09 - BioMed Server Room 537-14-127\400- D537.13.127.M-601.dwg 8-01-16 02:43:25 PM Ablessman

FAN COIL UNIT SCHEDULE

MARK	AREA SERVED	CFM	HP	ESP	COOLING CAPACITY TOTAL MBH	COOLING CAPACITY SENSIBLE MBH	EAT DB	EAT WB	EAT % RH	EWT	LWT	GPM	HEATING CAPACITY TYPE	HEATING CAPACITY CAPACITY MBH	STAGES	HUMIDIFIER TYPE	HUMIDIFIER LBS/HR	FILTER MERV	ELECTRICAL DATA VOLT	PHASE	FLA	MCA	MOCP	MAINTENANCE REQUIREMENT	NOTES
FCU-1	BIOMED SERVER	2500	1.5	0.5	45.5	45.4	72	58.7	45	45	55	10.3	ELECTRIC	39.1	1	STEAM	8	11	460	3	19.8	54	60	BOTTOM ACCESS	1, 2, 3, AND 4
FCU-2	BIOMED SERVER	2500	1.5	0.5	45.5	45.4	72	58.7	45	45	55	10.3	ELECTRIC	39.1	1	STEAM	8	11	460	3	19.8	54	60	BOTTOM ACCESS	1, 2, 3, AND 4
FCU-3	BIOMED SERVER	2500	1.5	0.5	45.5	45.4	72	58.7	45	45	55	10.3	ELECTRIC	39.1	1	STEAM	8	11	460	3	19.8	54	60	BOTTOM ACCESS	1, 2, 3, AND 4
FCU-4	BIOMED SERVER	2500	1.5	0.5	45.5	45.4	72	58.7	45	45	55	10.3	ELECTRIC	39.1	1	STEAM	8	11	460	3	19.8	54	60	BOTTOM ACCESS	1, 2, 3, AND 4

NOTES

1. BASIS OF DESIGN: LIEBERT OR VA APPROVED EQUAL AS SELECTED FROM THE LISTED MANUFACTURERS IN NOTE#4.
2. PROVIDE HORIZONTAL DUCTED CONFIGURATION, 3-WAY MODULATING VALVE, DISCONNECT, SMOKE DETECTOR, WALL MOUNTED CONTROLLER WITH INTERGAL T/H SENSOR, FILTER BOX KIT, AND IS-WEBADPT CARD IN ENCLOSURE.
3. PROVIDE STAINLESS STEEL CONDENSATE DRAIN PAN INTERNAL TO FAN COIL UNIT .
4. ACCEPTABLE MANUFACTURERS: LIEBERT, APC, AND STULZ.

MECHANICAL LOAD CALCULATION:

OUTDOOR CONDITIONS
SUMMER: 95°F DB / 75°F WB
WINTER: -10°F DB

ROOM INDOOR SPACE TEMPERATURE 68°F

CONDENSING UNIT IS SIZED FOR 105°F

ELECTRICAL EQUIPMENT LIST
- (14) COMPUTER RACKS WITH EACH RACK DISSIPATING 3KW AT FULL LOAD.
- (1) 90 kVA TRANSFORMER DISSIPATE 2455 BTU/HR

BUILDING LOAD FROM PEOPLE, LIGHTING, WALLS, AND WINDOW TOTAL 8946 BTU/HR APPROXIMATELY 6% OF THE TOTAL COOLING LOAD.

BASIS OF DESIGN (BOD) COMPLIANCE:

1. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY AND CERTIFY THAT THE CHARACTERISTICS OF THE EQUIPMENT OR MATERIAL HE/SHE WILL BE SUBMITTING FOR REVIEW MEETS OR EXCEEDS THE CAPACITY AND DUTY REQUIREMENTS AS SPECIFIED IN ANY OF THE "BASIS OF DESIGN" SPECIFICATION.

2. IF THE EQUIPMENT OR MATERIAL BEING SUBMITTED FOR REVIEW WILL REQUIRE THAT MODIFICATIONS NEED TO BE MADE, TO THE WORK OF THE PROVIDING CONTRACTOR OR THE WORK OF OTHER CONTRACTORS, THE SUBMITTING CONTRACTOR SHALL BE FULLY RESPONSIBLE TO ADVISE/INFORM THE PRIME CONTRACTOR OF ANY AND ALL SUCH NECESSARY IMPACTS AND POSSIBLE DELAYS AND/OR COSTS AS A PART OF THEIR BID AND CONSTRUCTION SCOPE OF WORK RESPONSIBILITIES.

3. THE SUBMITTING CONTRACTOR WILL BE FULLY RESPONSIBLE TO COORDINATE ALL DEVIATIONS FROM THE "BASIS OF DESIGN"INTENT WITH THE GENERAL CONTRACTOR AND ALL AFFECTED SUB-CONTRACTORS. THE FINAL INSTALLATION SHALL NOT COMPROMISE ANY OF THE "BASIS OF DESIGN" PERFORMANCE CHARACTERISTICS NOR SHALL IT ENCUMBER ANY OF THE DESIGN LAYOUT LOGISTICAL NECESSITIES.

4. THE FINAL INSTALLATION SHALL ALSO COMPLY WITH ALL APPLICABLE BUILDING CODES, REGULATIONS, VA REQUIREMENTS PLUS ALLOW THE EQUIPMENT AND/OR MATERIALS TO FUNCTION PROPERLY AND SAFELY.

5. ALL MATERIALS OR EQUIPMENT EQUIVALENT SUBSTITUTIONS SHALL BE PROVIDED ON A CONTRACTOR PREPARED ITEMIZED LISTING PER SUBSTITUTION WITH A FULL AND DETAILED DESCRIPTION OF ALL SPECIFICATIONS AND KNOWN DEVIATIONS FROM THE ORIGINAL BOD.

6. THE PRIME/GENERAL CONTRACTOR SHALL NOTIFY AND COORDINATE WITH THE COR AT THE BEGINNING OF THE PROJECT, ALL SUCH KNOWN DEVIATIONS AND IMPACTS FROM THE SPECIFIC BASIS OF DESIGN SPECIFICATIONS BEFORE STARTING THE PROJECT AND/OR THE SHOP DRAWING SUBMITTALS.

7. IF ANY UNKNOWN DEVIATIONS FROM THE BOD REQUIREMENTS SURFACE DURING THE CONSTRUCTION PHASE, NOTIFY THE COR IMMEDIATELY AND IDENTIFY ALL IMPACTS FOR THE COR'S EVALUATION AND POSSIBLE AUTHORIZATION.

HOT WATER FIN-TUBE RADIATION SCHEDULE

MARK	AREA SERVED	MATERIAL	FIN PER FEET	BTU / LINEAR FEET	LENGTH (inch)	HEIGHT (inch)	DEPTH (inch)	AVG. WATER TEMP (°F)	NOTES
FTR-1	BIOMED SERVER	COPPER / ALUMINUM	60	580	36	8	4	170	1, 2, AND 3
FTR-2	BIOMED SERVER	COPPER / ALUMINUM	60	580	36	8	4	170	1, 2, AND 3
FTR-3	BIOMED SERVER	COPPER / ALUMINUM	60	580	36	8	4	170	1, 2, AND 3
FTR-4	BIOMED SERVER	COPPER / ALUMINUM	60	580	36	8	4	170	1, 2, AND 3

NOTES:

1. BASIS OF DESIGN: STERLING OR VA APPROVED EQUAL AS SELECTED FROM THE LISTED MANUFACTURERS IN NOTE #3.
2. FIN-TUBE SHALL BE INSTALLED 6" FROM FINISH FLOOR.
3. ACCEPTABLE MANUFACTURER: STERLING, MODINE, AND RITTLING.

DIFFUSER, REGISTER, AND GRILLE SCHEDULE

REF	TYPE	MATERIAL	MOUNTING	PANEL / FRAME SIZE inxin	NECK SIZE (in)	DAMPER	FINISH	NOTES
S1	DOUBLE DEFLECTION	STEEL	SURFACE MOUNT	SEE DWG	SEE DWG	NONE	WHITE	1 AND 2

NOTES

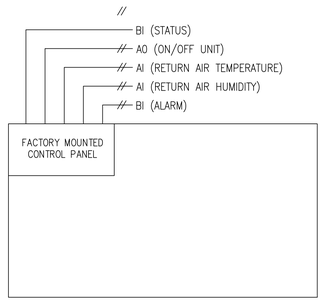
1. BASIS OF DESIGN: TITUS-HVAC OR VA APPROVED EQUAL AS SELECTED FROM THE LISTED MANUFACTURERS IN NOTE #2.
2. ACCEPTABLE MANUFACTURERS: TITUS, NAILOR, AND CARNES

AIRFLOW CALCULATION SHEET

ROOM NAME	ROOM	AREA	CLG	ROOM AIR BALANCE	MIN.	MIN. (OA) PEOPLE	MIN. (OA) AREA	MIN.	(OA) CFM REQUIRED SUPPLY	OA	RETURN	ACTUAL CFM SUPPLY	OA	RETURN
Served By CRU	No.	Sq. Ft.	Hgt.	(++ + 0 - - -)	ACH-S	CFM/PEOPLE	CFM/SQ.FT	ACH-R						
BIOMED SERVER ROOM	7433	610	10.5	(+)	-	5	0.06	-	-	47	-	10500	200	10300
TOTAL		**610**							**0**	**47**	**0**	**10,500**	**200**	**10,300**

NOTES:

1. OUTSIDE AIR TO BE SERVED THRU S-1 AHU UNIT.
2. IMC CODE 502.4 VRLA BATTERIES SHALL BE DESIGNED TO LIMIT THE MAXIMUM CONCENTRATION OF HYDROGEN TO 1.0% OF THE TOTAL VOLUME OF THE ROOM.



SEQUENCE OF OPERATION

1. GENERAL (CONTROLS PROVIDED WITH UNIT BY MANUFACTURERS)

THE CRU IS CONTROLLED BY A FACTORY MOUNTED CONTROL SYSTEM AND CONNECT TO THE BAS FOR MONITORING PURPOSES.

- THE UNIT SHALL MAINTAIN
  - A 72F (ADJUSTABLE.) COOLING SETPOINT AND 45% RELATIVE HUMIDITY (ADJ.)

THE MANUFACTURER CONTROLLER SHALL MONITOR THE RETURN AIR TEMPERATURE AND HUMIDITY. THE CONTROLLER SHALL AUTOMATICALLY HEAT, COOL, REHEAT, HUMIDIFY, AND DEHUMIDIFY AS REQUIRED TO MAINTAIN SPACE TEMPERATURE AND HUMIDIFY SETPOINTS. THE COMPUTER ROOM UNIT WILL BE ENABLED WHEN THE BUILDING CHILLED WATER SYSTEM HAS FAILED OR THE MAIN FAN COIL UNITS CAN NOT KEEP UP WITH COOLING DEMAND FROM SERVER ROOM. THE COMPUTER ROOM UNIT WILL HAVE ITS OWN LEAD LAG CONTROL AND CAPACITY ASSIST CAPABILITY. THE BAS WILL MONITOR THE COMPUTER ROOM UNIT RUN TIME USAGE IN HOURS.

THE CRU UNIT SHALL DE-ENERGIZED IF THE SMOKE DETECTOR SAFETY IS ENERGIZED. CRU-1/CRU-3 SHALL OPERATE AS LEAD AND CRU-2/CRU-4 SHALL OPERATE AS STANDBY CRU. UPON FAILURE OF ANY OF THE LEAD CRU THE STANDBY CRU SHALL BE ENERGIZED. THE LEAD CRU SHALL BE DE-ENEGIZED AND AN ALARM SHALL BE GENERATED AT THE DDC OPERATORS CONTROL STATION. LEAD/STANDBY CRU SHALL BE AUTOMATICALLY ROTATE TO ALLOW FOR EQUAL OPERATING TIME FOR ALL EQUIPMENT.

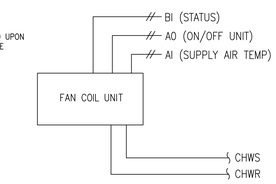
ALARMS
PROVIDE AN AUDIO ALARM FOR THE FOLLOWING CONDITIONS:
- HIGH TEMPERATURE
- LOW TEMPERATURE
- HIGH HUMIDITY
- LOW HUMIDITY

BUILDING AUTOMATION SYSTEM SEQUENCE OF OPERATION (PROVIDED BY TEMPERATURE CONTROL CONTRACTOR)
THE BAS SHALL BE ABLE TO MONITOR THE OPERATING PARAMETERS AND ALARM CONDITIONS INDICATED BY CRU. BAS SHALL BE CAPABLE OF ENABLING/DISABLING CRU AND ASSOCIATED CONDENSING UNIT.

1 COMPUTER ROOM UNITS (CRU)
NTS

NOTES:

1. ALL CRU ARE ONE WORKING GROUP.
2. ALL FCU ARE ON ANOTHER WORKING GROUP.
3. THE SELECTION OF WORKING GROUP IS BASED UPON THE AVAILABILITY OF CHILLED WATER. THEY ARE ENABLED/DISABLED THRU THE BMS.



SEQUENCE OF OPERATION

1. GENERAL

SUPPLY FAN SHALL OPERATE BY DDC SYSTEM. THE UNIT SHALL MAINTAIN A ROOM AIR TEMPERATURE SETPOINT. THE UNIT WITH THE LOWEST RUNTIME WILL BE ENABLED WHEN THE SYSTEM IS ENABLED TO RUN. WHEN THE SYSTEM IS COMMANDED TO OFF, ALL UNITS WILL TURN OFF. WHEN ENABLED, THE UNIT WILL COMMAND ON WITH THE LOWEST RUNTIME OR ASSIGNED LEAD UNIT. ONCE THE UNIT RECEIVES THE FAN STATUS IT WILL MAINTAIN THE ZONE TEMPERATURE SETPOINT.

THE FCU SHALL HAVE A BUILT-IN MODULATING CONTROL VALVE TO MAINTAIN SPACE TEMPERATURE SETPOINT OF 72°F(ADJ.). THRU A SIGNAL FROM A WALL MOUNTED TEMPERATURE SENSOR. WHEN THE ZONE TEMPERATURE CALLS FOR MORE COOLING, ADDITIONAL UNIT WILL RUN TO MAINTAIN THE ZONE SETPOINT. IF THE ZONE TEMPERATURE STILL CALLS FOR MORE COOLING, MORE ADDITIONAL UNITS WILL RUN. THE REVERSE STAGE DOWN SEQUENCE WILL OCCUR WHEN THE ZONE TEMPERATURE IS LESS THAN THE ZONE SETPOINT. IF ANY UNIT FAN STATUS DOES NOT MATCH ITS COMMANDED VALUE AFTER A PERIOD OF THE FOLLOWING BEING ENABLED, AN ALARM WILL BE GENERATED. IF THE UNIT IS LEAD AT THE TIME OF THE ALARM, THE LAG UNIT WILL BE ENABLED. THE BMS WILL MONITOR AND TRACK THE FAN COIL UNITS RUN TIME USAGE IN HOURS.

THE MANUFACTURER CONTROLLER SHALL MONITOR THE RETURN AIR TEMPERATURE AND HUMIDITY. THE CONTROLLER SHALL AUTOMATICALLY HEAT, COOL, REHEAT, HUMIDIFY, AND DEHUMIDIFY AS REQUIRED TO MAINTAIN SPACE TEMPERATURE AND HUMIDIFY SETPOINTS.

WINTER OPERATION
WHEN CHILLED WATER IS NOT AVAILABLE THE FCU WILL BE USED FOR ROOM AIR CIRCULATION. WHEN FCU TEMPERATURE SENSOR IS ABOVE 75°F(ADJ.) THE FCU SHALL ENERGIZE FAN AND FULLY CLOSE THE CHILLED WATER CONTROL VALVE TO CIRCULATE THE ROOM AIR. WHEN ZONE TEMPERATURE IS SATISFIED THE FAN SHALL TURN-OFF. FCU SHALL BE ACTIVATED/CONTROLLED BY THE BAS SYSTEM TO RUN CONTINUOUSLY TILL COMMAND TO TURN-OFF.

ALARMS, INTERLOCK, & SAFETIES
DDC SHALL INDICATE AN ALARM TO THE DDC STATION IF SUPPLY FAN FAILS.

2 FAN COIL UNIT
NTS

1. GENERAL

DURING THE WINTER MODE, WHEN THE ROOM TEMPERATURE IS ABOVE THE HEATING SETPOINT, THE FIN-TUBE VALVE WILL BE CLOSED. ON A DROP IN ROOM TEMPERATURE BELOW THE HEATING SETPOINT, THE FIN-TUBE VALVE WILL MODULATE OPEN.

DURING THE SUMMER MODE, THE HEATING VALVE WILL BE CLOSED AND DISABLED.

SPECIAL CONDITION:
AT ANY TIME, BOTH HEATING (FIN-TUBE) AND ALL THE COOLING UNITS CAN NOT BE IN OPERATION TOGETHER.

3 FIN-TUBE RADIATION
NTS

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

Revisions:	Date
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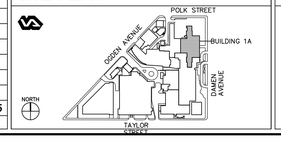
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 N.Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: MECHANICAL SCHEDULE AND CONTROL DIAGRAM

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: SAT | Drawn: RAH

Project Number: 537-13-127

Building Number: 1A

Drawing Number: M-701

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

ISSUED FOR BIDS - NOT FOR CONSTRUCTION

one eighth inch = one foot | one quarter inch = one foot | three eighths inch = one foot | one half inch = one foot | three quarters inch = one foot | one inch = one foot | one and one half inches = one foot | three inches = one foot
K:\CCG_PROJECTS\2013\13-105 - Jesse Brown (AE) Design IDIQ VA69D-13-D-0042\Task Order No. 09 - BioMed Server Room 537-14-127\400- D537,13,127,M-701.dwg 8-01-16 02:43:48 PM ABlessman

SPECIAL NOTE:

1. THE SELECTION OF CRU FROM THREE DIFFERENT MANUFACTURERS (LIEBERT, APC, AND STULTZ) IS SCHEDULED BELOW. LIEBERT IS THE BASIS OF DESIGN. THE G.C. NEEDS TO PAY CLOSE ATTENTION TO THE NOTES LISTED UNDER EACH SCHEDULE FOR DIFFERENCES IN FOOTPRINTS, ACCESS AND CONTROLS. PERFORMANCE OF EACH SELECTION EITHER MEETS OR EXCEEDS THE DESIGN.
2. CONTRACTOR SHALL FURNISH ALL FOUR (4) UNITS FROM THE SAME MANUFACTURER.
3. RESISTIVE LOAD BANK TESTING: THE CONTRACTOR SHALL UTILIZE THE UPS RESISTIVE LOAD BANK TESTING FOR EACH OF THE AIR CONDITIONING SYSTEM VALIDATIONS. REFER TO THE ELECTRICAL DRAWINGS AND THE "RESISTIVE LOAD BANK TESTING" NOTES FOR MORE DETAILED REQUIREMENTS. EACH A/C SYSTEM WILL NEED TO BE FULLY TESTED SUCCESSFULLY OBSERVED AND APPROVED BY THE COR.
4. BASIS OF DESIGN COMPLIANCE: CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY AND CERTIFY THAT THE CHARACTERISTICS OF THE EQUIPMENT HE/SHE WILL BE SUBMITTING FOR REVIEW MEETS OR EXCEEDS THE CAPACITY AND DUTY REQUIREMENTS AS SPECIFIED IN THE "BASIS OF DESIGN." IF THE EQUIPMENT SUBMITTED FOR REVIEW WILL REQUIRE THAT MODIFICATIONS NEED TO BE MADE, TO THE WORK OF OTHER CONTRACTORS, THE SUBMITTING CONTRACTOR SHALL BE FULLY RESPONSIBLE TO INCLUDE ANY AND ALL SUCH NECESSARY COSTS AS A PART OF THEIR BID AND CONSTRUCTION SCOPE OF WORK RESPONSIBILITIES. THE SUBMITTING CONTRACTOR WILL BE FULLY RESPONSIBLE TO COORDINATE ALL DEVIATIONS FROM THE "BASIS OF DESIGN" INTENT WITH THE GENERAL CONTRACTOR AND ALL AFFECTED SUB-CONTRACTORS. THE FINAL INSTALLATION SHALL NOT COMPROMISE ANY OF THE "BASIS OF DESIGN" PERFORMANCE CHARACTERISTICS NOR SHALL IT ENCUMBER ANY OF THE DESIGN LAYOUT LOGISTICAL NECESSITIES. THE FINAL INSTALLATION SHALL ALSO COMPLY WITH ALL APPLICABLE BUILDING CODES, REGULATIONS, VA REQUIREMENTS PLUS ALLOW THE EQUIPMENT TO FUNCTION PROPERLY AND SAFELY.

BASIS OF DESIGN (BOD) COMPUTER ROOM UNIT (CRU)

MARK	AREA SERVED	TOTAL SUPPLY AIR FLOW	ESP	COOLING CAPACITY (OUTPUT)					ELECTRIC HEATING		INFRARED HUMIDIFIER	AIR FILTER SIZE	ELECTRICAL DATA					MAINTENANCE REQUIREMENT	NOTES
				MIN TOTAL CAPACITY	MIN SENS CAPACITY	STAGE	EAT db / wb	EAT %RH	STAGE	MIN. NET OUTPUT			MOTOR (HP)	VOLT	PHASE	MCA	FLA		
		CFM		MBH	MBH		°F			KW	lbs / hr								
CRU-1	BIOMED SERVER	3500	0.5	72.7	64.5	MULTI	72 / 58.7	45%	2	13.9	4.5	2" - MERV 11	4.2	460	3	39.6	32.5	FRONT & RIGHT ACCESS ONLY	1, 2, 3, 4, AND 5
CRU-2	BIOMED SERVER	3500	0.5	72.7	64.5	MULTI	72 / 58.7	45%	2	13.9	4.5	2" - MERV 11	4.2	460	3	39.6	32.5	FRONT & RIGHT ACCESS ONLY	1, 2, 3, 4, AND 5
CRU-3	BIOMED SERVER	3500	0.5	72.7	64.5	MULTI	72 / 58.7	45%	2	13.9	4.5	2" - MERV 11	4.2	460	3	39.6	32.5	FRONT & RIGHT ACCESS ONLY	1, 2, 3, 4, AND 5
CRU-4	BIOMED SERVER	3500	0.5	72.7	64.5	MULTI	72 / 58.7	45%	2	13.9	4.5	2" - MERV 11	4.2	460	3	39.6	32.5	FRONT & RIGHT ACCESS ONLY	1, 2, 3, 4, AND 5

NOTES:
1. BASIS OF DESIGN: LIEBERT OR VA APPROVED EQUAL AS SELECTED FROM THE LISTED MANUFACTURERS IN NOTE #5.
2. PROVIDE DISCONNECT, STARTER, AND CONTROLLER BY MANUFACTRER.
3. FURNISH UNIT WITH DIGITAL SCROLL COMPRESSOR, INFRARED HUMIDIFER,ELECTRIC REHEAT, IS-UNITY CARD, (1) vNSA8 SWITCH, EMERGENCY POWER, SMOKE DETECTOR, iCOM CONTROLLER, PREMIUM EFFICIENCY, AND EC FAN MOTOR.
4. PROVIDE BLOWER CONFIGURATION -UP FLOW SUPPLY WITH 24" DISCHARGE PLENUM WITH FRONT GRILLE AND REMOTE 2T SENSOR.
5. ACCEPTABLE MANUFACTURERS: LIEBERT, APC, AND STULZ.

OPTION -01 COMPUTER ROOM UNIT (CRU) - OPTION 01

MARK	AREA SERVED	TOTAL SUPPLY AIR FLOW	ESP	COOLING CAPACITY					ELECTRIC HEATING		STEAM GENERATOR	AIR FILTER SIZE	ELECTRICAL DATA					MAINTENANCE REQUIREMENT	NOTES
				MIN TOTAL CAPACITY	MIN SENS CAPACITY	STAGE	EAT db / wb	EAT %RH	STAGE	MIN. NET OUTPUT			MOTOR (HP)	VOLT	PHASE	MCA	FLA		
		CFM		MBH	MBH		°F			KW	lbs / hr								
CRU-1	BIOMED SERVER	3500	0.5	53	53	1	72 / 58.7	45%	1	6	4.5	MERV 11	3.8	460	3	34.9	27.2	FRONT ACCESS ONLY	1, 2, 3, AND 4
CRU-2	BIOMED SERVER	3500	0.5	53	53	1	72 / 58.7	45%	1	6	4.5	MERV 11	3.8	460	3	34.9	27.2	FRONT ACCESS ONLY	1, 2, 3, AND 4
CRU-3	BIOMED SERVER	3500	0.5	53	53	1	72 / 58.7	45%	1	6	4.5	MERV 11	3.8	460	3	34.9	27.2	FRONT ACCESS ONLY	1, 2, 3, AND 4
CRU-4	BIOMED SERVER	3500	0.5	53	53	1	72 / 58.7	45%	1	6	4.5	MERV 11	3.8	460	3	34.9	27.2	FRONT ACCESS ONLY	1, 2, 3, AND 4

NOTES:
1. PROVIDE DISCONNECT, STARTER, AND CONTROLLER BY MANUFACTRER.
2. FURNISH UNIT WITH TANDEM SCROLL COMPRESSOR, STEAM CANISTER HUMIDIFER,ELECTRIC REHEAT, LCD DISPLAY, BACNET INTERFACE, EMERGENCY POWER, SMOKE DETECTOR, HOT GAS BYPASS, AND PREMIUM EFFICIENCY, EC FAN MOTOR.
3. PROVIDE BLOWER CONFIGURATION -UP FLOW SUPPLY WITH 24" DISCHARGE PLENUM WITH FRONT GRILLE.
4. ACCEPTABLE MANUFACTURERS: LIEBERT, APC, AND STULZ.

OPTION - 02 COMPUTER ROOM UNIT (CRU) - OPTION 02

MARK	AREA SERVED	TOTAL SUPPLY AIR FLOW	ESP	COOLING CAPACITY					ELECTRIC HEATING		STEAM GENERATOR	AIR FILTER SIZE	ELECTRICAL DATA					MAINTENANCE REQUIREMENT	NOTES
				MIN TOTAL CAPACITY	MIN SENS CAPACITY	STAGE	EAT db / wb	EAT %RH	STAGE	MIN. NET OUTPUT			MOTOR (HP)	VOLT	PHASE	MCA	FLA		
		CFM		MBH	MBH		°F			KW	lbs / hr								
CRU-1	BIOMED SERVER	4400	0.5	84.5	82.4	1	72 / 58.7	45%	1	9	4.5	MERV 11	4.1	460	3	39.3	28.8	FRONT ACCESS ONLY	1, 2, 3, AND 4
CRU-2	BIOMED SERVER	4400	0.5	84.5	82.4	1	72 / 58.7	45%	1	9	4.5	MERV 11	4.1	460	3	39.3	28.8	FRONT ACCESS ONLY	1, 2, 3, AND 4
CRU-3	BIOMED SERVER	4400	0.5	84.5	82.4	1	72 / 58.7	45%	1	9	4.5	MERV 11	4.1	460	3	39.3	28.8	FRONT ACCESS ONLY	1, 2, 3, AND 4
CRU-4	BIOMED SERVER	4400	0.5	84.5	82.4	1	72 / 58.7	45%	1	9	4.5	MERV 11	4.1	460	3	39.3	28.8	FRONT ACCESS ONLY	1, 2, 3, AND 4

NOTES:
1. PROVIDE DISCONNECT, STARTER, AND CONTROLLER BY MANUFACTRER.
2. FURNISH UNIT WITH DIGITAL SCROLL COMPRESSOR, ELECTRODE STEAM CANISTER HUMIDIFER,ELECTRIC REHEAT, N+M CONTROL, BMS COMMUNICATION, EMERGENCY POWER, SMOKE DETECTOR, HOT GAS BYPASS, PREMIUM EFFICIENCY, AND EC FAN MOTOR.
3. PROVIDE BLOWER CONFIGURATION -UP FLOW SUPPLY WITH 24" DISCHARGE PLENUM WITH FRONT GRILLE.
4. ACCEPTABLE MANUFACTURERS: LIEBERT, APC, AND STULZ.

BASIS OF DESIGN (BOD) COMPLIANCE:

1. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY AND CERTIFY THAT THE CHARACTERISTICS OF THE EQUIPMENT OR MATERIAL HE/SHE WILL BE SUBMITTING FOR REVIEW MEETS OR EXCEEDS THE CAPACITY AND DUTY REQUIREMENTS AS SPECIFIED IN ANY OF THE "BASIS OF DESIGN" SPECIFICATION.
2. IF THE EQUIPMENT OR MATERIAL BEING SUBMITTED FOR REVIEW WILL REQUIRE THAT MODIFICATIONS NEED TO BE MADE, TO THE WORK OF THE PROVIDING CONTRACTOR OR THE WORK OF OTHER CONTRACTORS, THE SUBMITTING CONTRACTOR SHALL BE FULLY RESPONSIBLE TO ADVISE/INFORM THE PRIME CONTRACTOR OF ANY AND ALL SUCH NECESSARY IMPACTS AND POSSIBLE DELAYS AND/OR COSTS AS A PART OF THEIR BID AND CONSTRUCTION SCOPE OF WORK RESPONSIBILITIES.
3. THE SUBMITTING CONTRACTOR WILL BE FULLY RESPONSIBLE TO COORDINATE ALL DEVIATIONS FROM THE "BASIS OF DESIGN" INTENT WITH THE GENERAL CONTRACTOR AND ALL AFFECTED SUB-CONTRACTORS. THE FINAL INSTALLATION SHALL NOT COMPROMISE ANY OF THE "BASIS OF DESIGN" PERFORMANCE CHARACTERISTICS NOR SHALL IT ENCUMBER ANY OF THE DESIGN LAYOUT LOGISTICAL NECESSITIES.
4. THE FINAL INSTALLATION SHALL ALSO COMPLY WITH ALL APPLICABLE BUILDING CODES, REGULATIONS, VA REQUIREMENTS PLUS ALLOW THE EQUIPMENT AND/OR MATERIALS TO FUNCTION PROPERLY AND SAFELY.
5. ALL MATERIALS OR EQUIPMENT EQUIVALENT SUBSTITUTIONS SHALL BE PROVIDED ON A CONTRACTOR PREPARED ITEMIZED LISTING PER SUBSTITUTION WITH A FULL AND DETAILED DESCRIPTION OF ALL SPECIFICATIONS AND KNOWN DEVIATIONS FROM THE ORIGINAL BOD.
6. THE PRIME/GENERAL CONTRACTOR SHALL NOTIFY AND COORDINATE WITH THE COR AT THE BEGINNING OF THE PROJECT, ALL SUCH KNOWN DEVIATIONS AND IMPACTS FROM THE SPECIFIC BASIS OF DESIGN SPECIFICATIONS BEFORE STARTING THE PROJECT AND/OR THE SHOP DRAWING SUBMITTALS.
7. IF ANY UNKNOWN DEVIATIONS FROM THE BOD REQUIREMENTS SURFACE DURING THE CONSTRUCTION PHASE, NOTIFY THE COR IMMEDIATELY AND IDENTIFY ALL IMPACTS FOR THE COR'S EVALUATION AND POSSIBLE AUTHORIZATION.

AIR COOLED CONDENSING UNIT SCHEDULE - BOD

MARK	LOCATION	AREA SERVED	SYSTEM SERVICE	TYPE	REFRIGERANT	AMBIENT TEMP	MIN. AMBIENT TEMP	CONDENSER FAN MOTOR				NOTES
								# FANS	FLA	VOLT	PHASE	
						°F	°F					
ACCU-1	ROOF	BIOMED SERVER	CRU-1	SCROLL	R-410A	105	-20	1	2.8	460	3	1, 2, AND 3
ACCU-2	ROOF	BIOMED SERVER	CRU-2	SCROLL	R-410A	105	-20	1	2.8	460	3	1, 2, AND 3
ACCU-3	ROOF	BIOMED SERVER	CRU-3	SCROLL	R-410A	105	-20	1	2.8	460	3	1, 2, AND 3
ACCU-4	ROOF	BIOMED SERVER	CRU-4	SCROLL	R-410A	105	-20	1	2.8	460	3	1, 2, AND 3

NOTES:
1. BASIS OF DESIGN: LIEBERT OR VA APPROVED EQUAL AS SELECTED FROM THE LISTED MANUFACTURERS IN NOTE #3.
2. PROVIDE EC FAN, FACTORY DISCONNECT, SINGLE CIRCUIT, AND 18" LEGS.
3. ACCEPTABLE MANUFACTURERS: LIEBERT, APC, AND STULZ.

AIR COOLED CONDENSING UNIT SCHEDULE - OPTION 01

MARK	LOCATION	AREA SERVED	SYSTEM SERVICE	TYPE	REFRIGERANT	AMBIENT TEMP	MIN. AMBIENT TEMP	CONDENSER FAN MOTOR				NOTES
								# FANS	FLA	VOLT	PHASE	
						°F	°F					
ACCU-1	ROOF	BIOMED SERVER	CRU-1	SCROLL	R-410A	105	-20	1	2	460	3	1 AND 2
ACCU-2	ROOF	BIOMED SERVER	CRU-2	SCROLL	R-410A	105	-20	1	2	460	3	1 AND 2
ACCU-3	ROOF	BIOMED SERVER	CRU-3	SCROLL	R-410A	105	-20	1	2	460	3	1 AND 2
ACCU-4	ROOF	BIOMED SERVER	CRU-4	SCROLL	R-410A	105	-20	1	2	460	3	1 AND 2

NOTES:
1. PROVIDE EC FAN, FACTORY DISCONNECT, SINGLE CIRCUIT, AND 18" LEGS.
2. ACCEPTABLE MANUFACTURERS: LIEBERT, APC, AND STULZ.

AIR COOLED CONDENSING UNIT SCHEDULE - OPTION 02

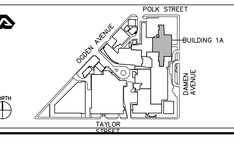
MARK	LOCATION	AREA SERVED	SYSTEM SERVICE	TYPE	REFRIGERANT	AMBIENT TEMP	MIN. AMBIENT TEMP	CONDENSER FAN MOTOR				NOTES
								# FANS	FLA	VOLT	PHASE	
						°F	°F					
ACCU-1	ROOF	BIOMED SERVER	CRU-1	SCROLL	R-407C	105	-20	1	4.3	460	3	1 AND 2
ACCU-2	ROOF	BIOMED SERVER	CRU-2	SCROLL	R-407C	105	-20	1	4.3	460	3	1 AND 2
ACCU-3	ROOF	BIOMED SERVER	CRU-3	SCROLL	R-407C	105	-20	1	4.3	460	3	1 AND 2
ACCU-4	ROOF	BIOMED SERVER	CRU-4	SCROLL	R-407C	105	-20	1	4.3	460	3	1 AND 2

NOTES:
1. PROVIDE EC FAN, FACTORY DISCONNECT, SINGLE CIRCUIT, AND 18" LEGS.
2. ACCEPTABLE MANUFACTURERS: LIEBERT, APC, AND STULZ.

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

Revisions:	Date
ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: MECHANICAL SCHEDULE
Approved: Project Director
Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM
Location: CHICAGO, ILLINOIS
Date: 12/03/2015
Checked: SAT
Drawn: RAH
Project Number: 537-13-127
Building Number: 1A
Drawing Number: M-702

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

ISSUED FOR BIDS - NOT FOR CONSTRUCTION

one eighth inch = one foot 0 4 8 16 one quarter inch = one foot 0 4 8 one half inch = one foot 0 6" one inch = one foot 0 6" three quarters inch = one foot 0 6" three eighths inch = one foot 0 4 one half inch = one foot 0 6" one and one half inches = one foot 0 6" 1 2 three inches = one foot 6" 1 4
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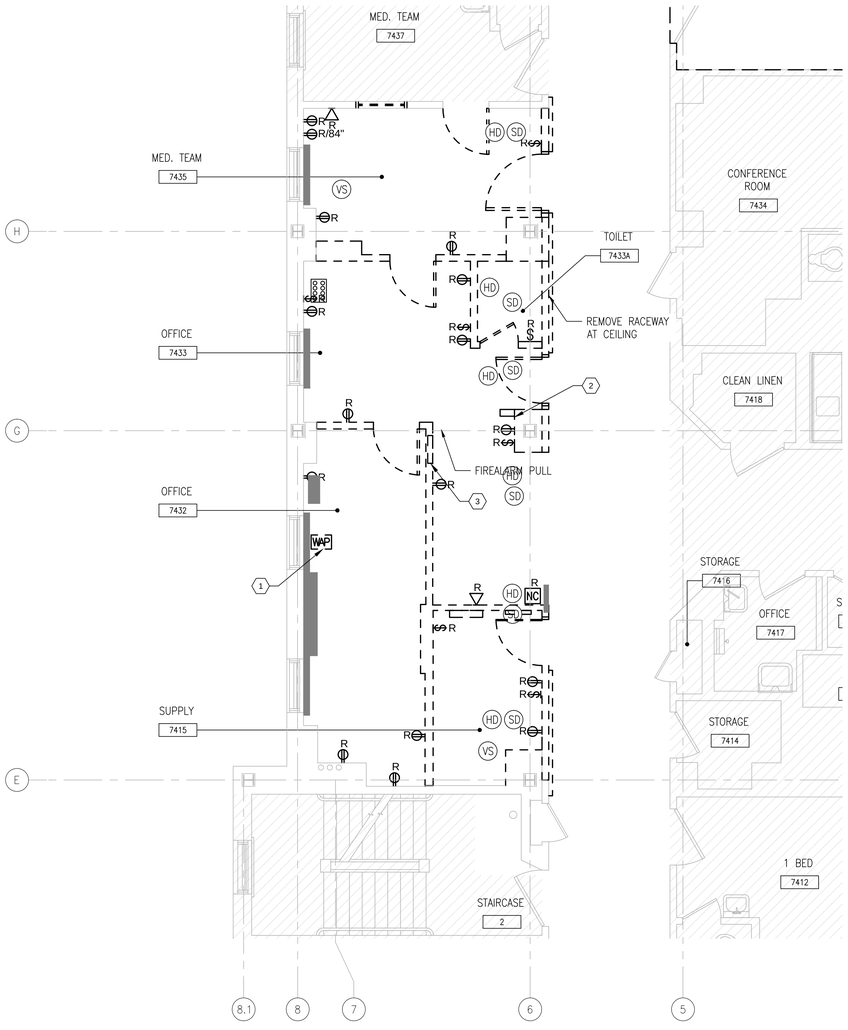
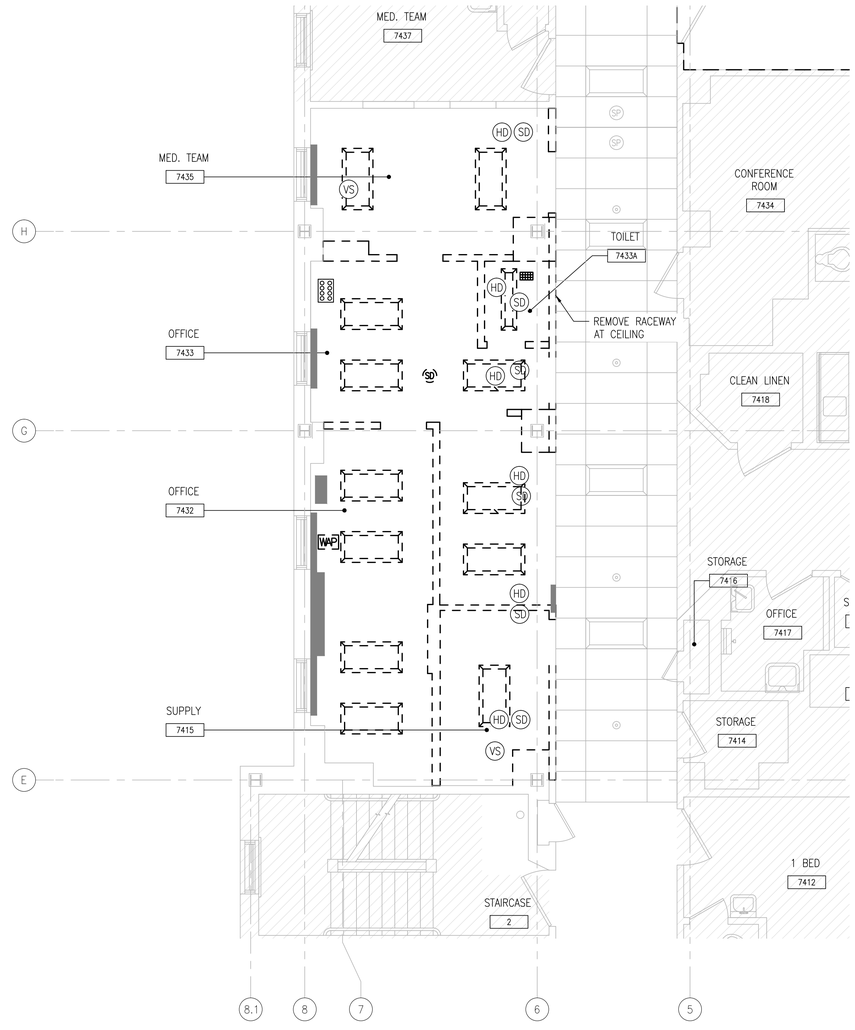


NORTH

1 PARTIAL SEVENTH FLOOR - ELECTRICAL POWER DEMOLITION PLAN
1/4"=1'-0"



NORTH

2 PARTIAL SEVENTH FLOOR - ELECTRICAL LIGHTING DEMOLITION PLAN
1/4"=1'-0"

GENERAL ELECTRICAL DEMOLITION NOTES

1. CONTRACTOR SHALL REVIEW THE ARCHITECTURAL AND MECHANICAL DRAWINGS TO VERIFY THE EXTENT OF THE DEMOLITION AND REMODELING WORK. CONTRACTOR SHALL SURVEY THE EXISTING SITE PRIOR TO BIDDING AND DETERMINE THE EXTENT OF NECESSARY RELOCATIONS. REMOVALS AND REPAIRS TO THE EXISTING ELECTRICAL WORK REQUIRED TO AVOID CONFLICTS WITH NEW CONSTRUCTION TO MEET MINIMUM CODE REQUIREMENTS. EXISTING WIRING NOT USED SHALL BE DISCONNECTED AT SOURCE AND REMOVED COMPLETELY. NO EXISTING JUNCTIONS OR CONDUIT COVERS SHALL BE BURIED IN NEW WALLS. CONTRACTOR TO RELOCATE SAME AS REQUIRED. A FIELD SURVEY VERIFICATION IS MANDATORY IN ORDER TO SUBMIT AN ELECTRICAL BID, FAILURE TO DO SO SHALL NOT RELIEVE THIS CONTRACTOR FROM PERFORMING THE WORK OF THIS CONTRACT.
2. ANY INTERRUPTION OF CIRCUITING TO AREAS NOT BEING REMODELED SHALL BE INTERCEPTED AT A LOCATION THAT DOES NOT INTERFERE WITH NEW CONSTRUCTION. HOMERUN CIRCUITING FOR THESE INTERRUPTED CIRCUITS IS TO BE NEW WIRING. AFTER REMOVAL, AND OPERATION IS TO BE CHECKED FOR ALL OUTLETS IN THE AREAS NOT BEING REMODELED TO INSURE PROPER FUNCTIONING.
3. EXISTING CONDUIT TO BE REMOVED BACK TO THE NEAREST ACCESSIBLE JUNCTION BOX. REUSE EXISTING CIRCUIT AND EXTEND CIRCUIT AS REQUIRED TO NEW DEVICES.
4. ANY DEVICES WHICH EXIST WITHIN DASHED LINES (WALL TO BE DEMOLISHED) SHALL BE REMOVED INCLUDING CONDUIT AND CONDUCTORS BACK TO NEAREST ACCESSIBLE JUNCTION BOX.
5. ALL EXISTING EQUIPMENT IS TO REMAIN OPERATIONAL DURING THE CONSTRUCTION PERIOD. ANY TEMPORARY WIRING OR REROUTING OF CIRCUITRY TO ACHIEVE THIS IS BY THE CONTRACTOR. SHUTDOWN OF EXISTING SERVICES SHALL ONLY BE PERMITTED UPON WRITTEN APPROVAL FROM THE OWNER AND THEN ONLY FOR THE DATE AND DURATION AGREED UPON. INCLUDE ALL PREMIUM TIME CHARGES IN THE BASE BID.
6. ALL LIGHTING FIXTURES WITHIN PROJECT LIMITS SHALL BE REMOVED. REMOVE FIXTURES, POWER WIRING AND CONDUIT SYSTEMS COMPLETE.
7. ALL CONDUIT, DEVICES, FIXTURES, ETC. SHOWN IN THE DEMOLITION DRAWINGS TO BE REMOVED OR RELOCATED ARE ONLY FOR THE CONVENIENCE OF THE BIDDERS. CONTRACTOR SHALL FIELD VERIFY ALL ITEMS PRIOR TO SUBMITTING A BID.

ELECTRICAL POWER DEMOLITION PLAN NOTES

1. CONTRACTOR SHALL REMOVE ALL WALL SWITCHES, CONDUIT AND WIRING WITHIN PROJECT AREA DENOTED. REMOVE POWER WIRING BACK TO RESPECTIVE POWER PANEL.
2. CONTRACTOR SHALL REMOVE DOOR CONTROL DEVICE DENOTED. RELOCATE DOOR CONTROL DEVICE AND ASSOCIATED CONTROL CABLING. PROVIDE 3/4" CONDUIT FOR THE CABLE ROUTING. REVIEW AND CONFIRM WITH THE COR FOR LOCATION.

(X) KEY NOTES

1. REMOVE AND REUSE WIRELESS ACCESS POINT DEVICE.
2. REMOVE AND RELOCATE PUSH BUTTON TO RELOCATE ELECTRIC STRIKE FOR DOOR.
3. REMOVE AND RELOCATE MEDICAL GAS PANEL.

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015
Revisions:	Date

SITE PLAN:

ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: PARTIAL SEVENTH FLOOR - ELECTRICAL DEMOLITION PLAN

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: NS | Drawn: YY

Project Number: 537-13-127

Building Number: 1A

Drawing Number: ED-101

Office of Construction and Facilities Management

Department of Veterans Affairs

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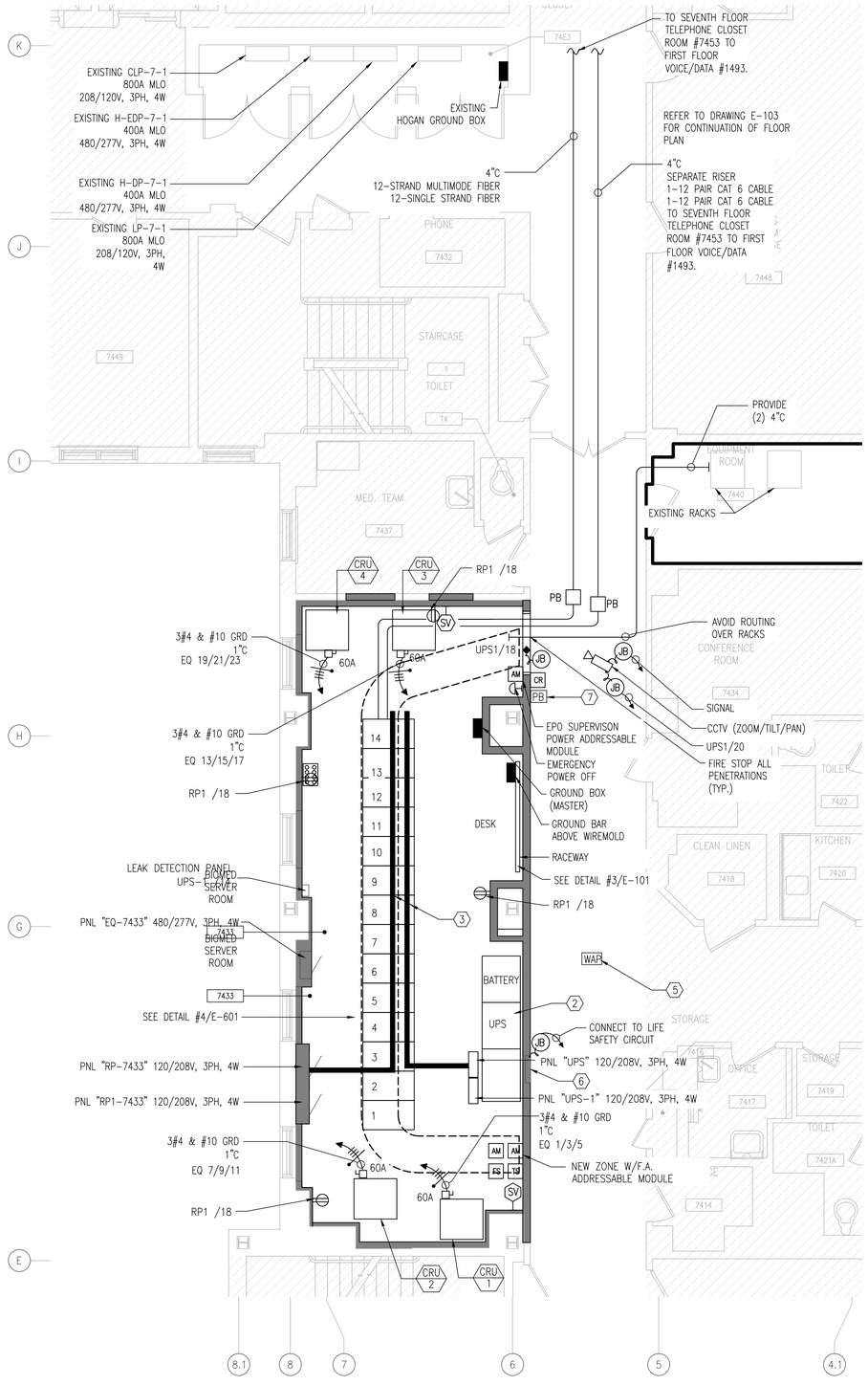
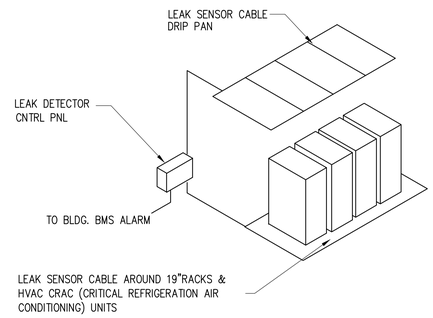


NORTH

1 PARTIAL SEVENTH FLOOR - ELECTRICAL POWER PLAN
1/4"=1'-0"



4 LEAK DETECTION DETAIL
NTS

ELECTRICAL TESTING NOTES

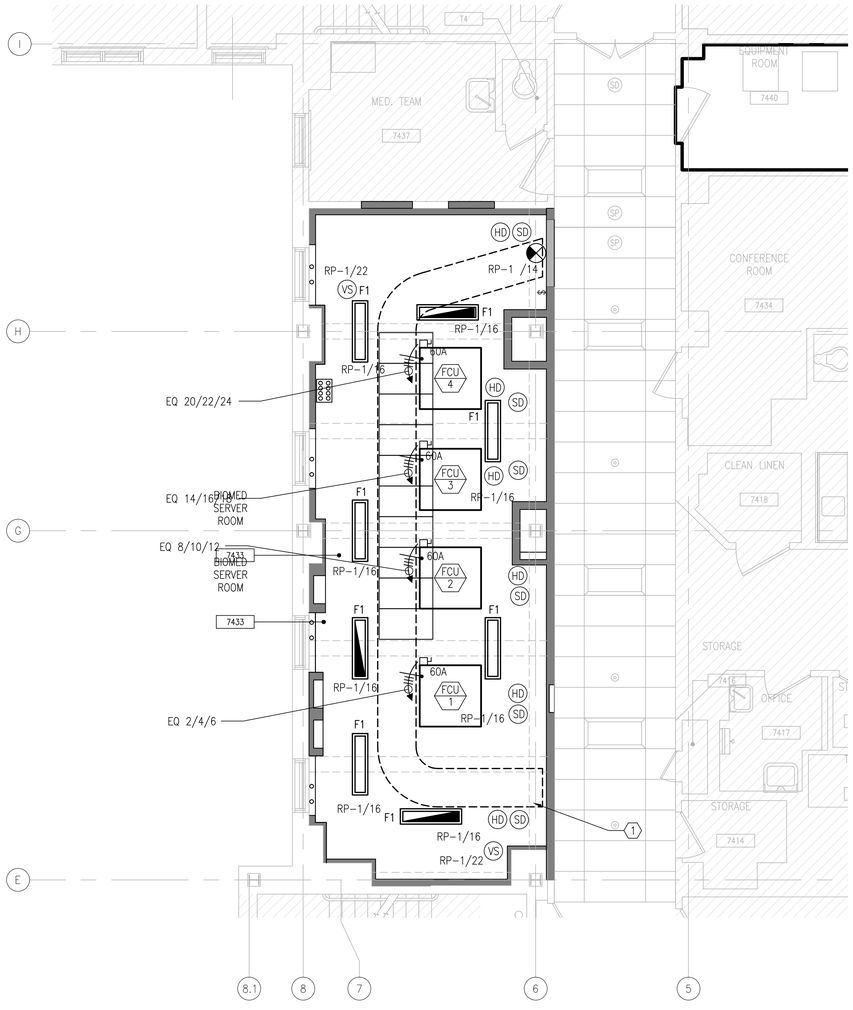
1. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ONE (1) RESISTIVE LOAD BANK IN ROOM #7433. THE LOAD BANK SHALL BE RATED 480V 3 PHASE 72KW 87 AMPS.
2. PROVIDE ONE (1) CIRCUIT BREAKER IN EXISTING PANEL 480 VOLT 3 PHASE PANEL H-DP-7-1 (RATED 480 VOLT 3 PHASE 125A 42KAIC.)
3. PROVIDE THREE (3) #1/0 AWG EXTRA HARD SO CORD AND (1) #6 AWG GROUND FROM CIRCUIT BREAKER TO LOAD BANK.
4. PROVIDE HEAVY DUTY CORD COVERS.
5. RESISTIVE LOAD BANK TESTING: THE CONTRACTOR SHALL PERFORM A (4) HOUR INTERIOR RESISTIVE LOAD BANK TEST OF THE UPS SYSTEM, AND IN TURN THE AIR CONDITIONING SYSTEM(S), AND THEY MUST BE OBSERVED BY THE COR. THE LOAD BANK TEST SHALL BE REPEATED AS NECESSARY UNTIL THE TEST HAS BEEN DEEMED SUCCESSFUL FOR THE ELECTRICAL AND MECHANICAL SYSTEMS BY THE COR. THE TESTING SHALL BE CONDUCTED AT 80% OF THE UPS SYSTEMS NAME PLATE RATING FOR THE SYSTEMS MAXIMUM KVA LOAD. HEAT IS TO BE REJECTED DIRECTLY INTO THE ROOM FOR THE CONCURRENT TESTING OF THE AIR CONDITIONING SYSTEMS.

ELECTRICAL PLAN NOTES

1. CONTRACTOR SHALL FURNISH AND INSTALL WALL SWITCHES, CONDUIT AND WIRING WITHIN PROJECT AREA DENOTED. ROUTE POWER WIRING TO RESPECTIVE POWER PANELS INDICATED.
2. CONTRACTOR SHALL FURNISH AND INSTALL JUNCTION BOX FOR DOOR CONTROL DEVICE DENOTED. ROUTE CONTROL/POWER WIRING BACK TO JUNCTION BOX LOCATION.
3. CONTRACTOR SHALL FURNISH AND INSTALL POWER PANELS INDICATED.
4. REFER TO DRAWING E-102 FOR POWER WIRING SYSTEMS FOR THE ROOF MOUNTED MECHANICAL UNITS.
5. PROVIDE (4) 3/4"C (EMPTY) FROM EACH PANEL TO CEILING FOR FUTURE USE.
6. PROVIDE EACH ACCU'S W/ 3/4"C TO CRU'S FOR CONTROL WIRING. PROVIDE EACH FCU'S W/ 3/4"C TO EACH THERMOSTATS, REFER TO MECHANICAL DRAWING.
7. ROOF ACCU CONDUITS SHALL BE ROUTED VIA NEW PIPE CHASE.
8. RED CONDUITS FOR FIRE ALARM & ORANGE CONDUITS FOR COMMUNICATIONS.
9. EPO PUSH BUTTON SHALL SHUT DOWN UPS SYSTEM AND ALL ELECTRICAL PANELS IN ROOM 7433. PROVIDE SHUNT TRIP CIRCUIT BREAKERS IN EACH PANEL.
10. CONTRACTOR SHALL PROVIDE SEPARATE NEUTRAL FOR EACH CIRCUIT, NO SHARED NEUTRAL.
11. CONTRACTOR SHALL PROVIDE SEPARATE GROUND FOR EACH CIRCUIT, NO SHARED GROUND.
12. METAL RACEWAY SHALL NOT EXCEED 30 CURRENT CARRYING CONDUCTORS.
13. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL FIBER OPTIC CABLES AND CAT6 CABLES AND TERMINATIONS.

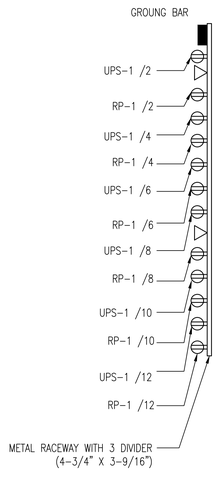
(X) ELECTRICAL KEY NOTES

1. WIRE BASKET TYPE CABLE TRAY. 24" WIDE, 6" RUNG SPACING, 5" SIDE RAIL.
2. 80 KVA, 10 MIN. UPS BACKUP, 208V/3PH INPUT & 208/120V, 3PH, 4W OUTPUT. DUAL CONVERSION, FRONT ACCESSIBLE.
3. (2) SETS OF SINGLE COMPARTMENT METAL RACEWAY 4-3/4" x 3-9/16" (1) NORMAL (1) CRITICAL POWER
4. ROOM TEMPERATURE, ROOM HUMIDITY TO JOHNSON CONTROL PANEL ROOM 7433 FOR RECORDING AND REPORTING. 4 ALARMS FOR 4 CRU'S + 1 ALARM (UPS) TO JOHNSON CONTROLS. CONTRACTOR TO PROVIDE CONDUIT FOR CONTROLS.
5. REINSTALL WIRELESS ACCESS POINT DEVICE AND RELATED CABLING.
6. RELOCATED MEDICAL GAS PANEL EXTEND CIRCUIT AS REQUIRED.
7. RELOCATED PUSHBUTTON FOR DOOR RELEASE EXTEND CIRCUIT AS REQUIRED.
8. HOSPITAL GRADE RECEPTACLES



NORTH

2 PARTIAL SEVENTH FLOOR - ELECTRICAL LIGHTING PLAN
1/4"=1'-0"

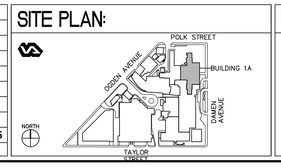


3 WIREMOLD RECEPTACLES
NTS

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

Revisions	Date
ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title	PARTIAL SEVENTH FLOOR - ELECTRICAL LIGHTING + POWER PLAN
Approved: Project Director	
Project Title	JESSE BROWN VAMC BIOMED SERVER ROOM
Location	CHICAGO, ILLINOIS
Date	12/03/2015
Checked	CD
Drawn	CD
Project Number	537-13-127
Building Number	1A
Drawing Number	E-101

Office of Construction and Facilities Management
Department of Veterans Affairs

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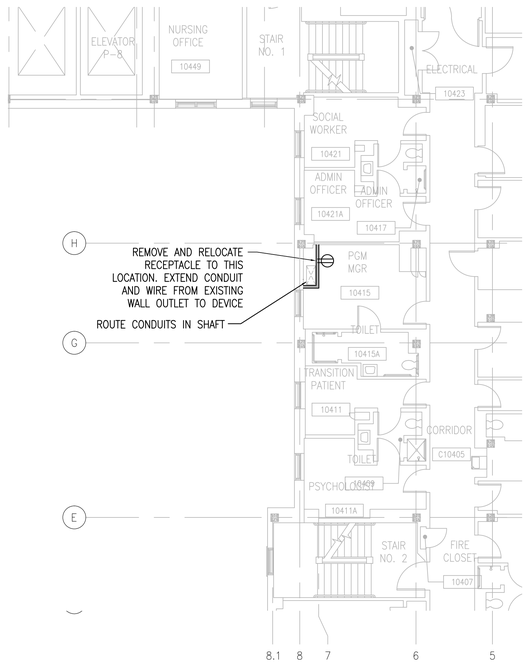
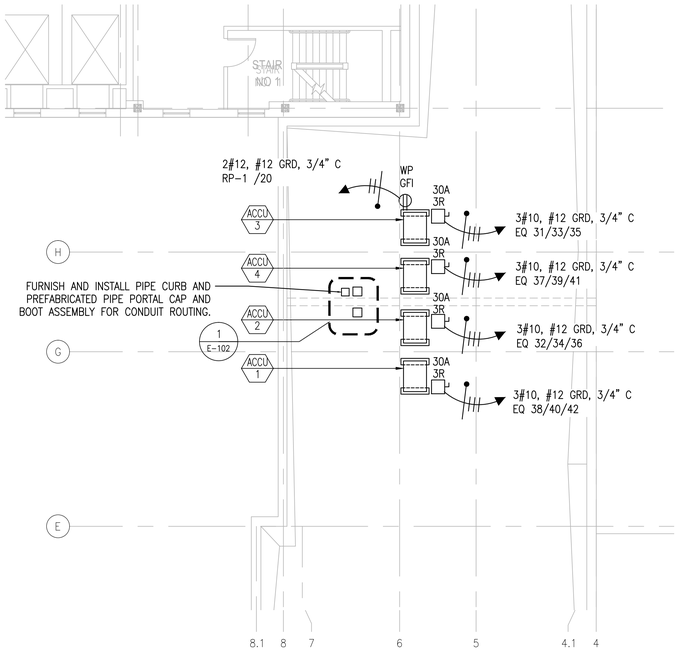


NORTH

3 PARTIAL TENTH FLOOR - ELECTRICAL PLAN
1/8"=1'-0"

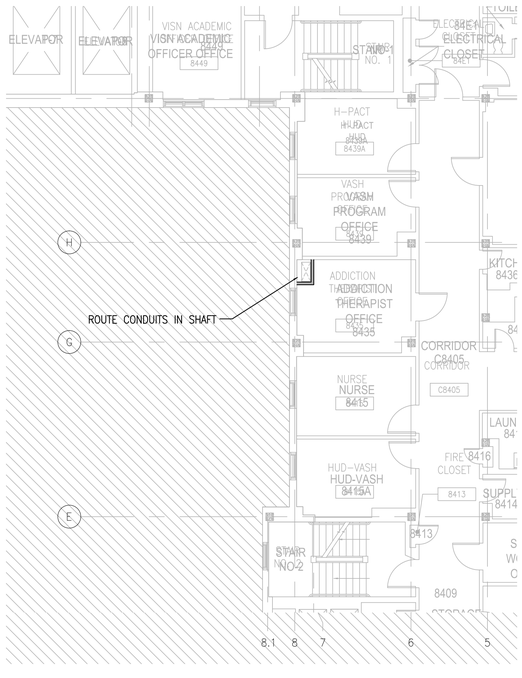


NORTH

4 PARTIAL ELEVENTH FLOOR LEVEL/ROOF DECK - ELECTRICAL PLAN
1/8"=1'-0"

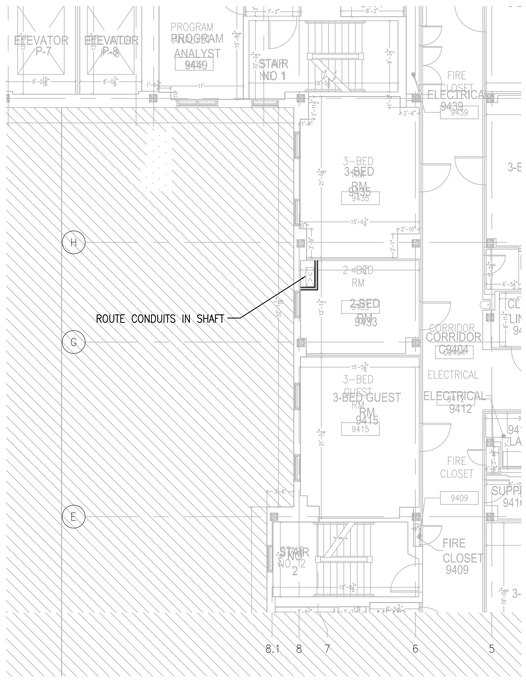
LUMINAIRE SCHEDULE									
FIXTURE	TYPE	DESCRIPTION	MANUFACTURER	CATALOG REFERENCE	LAMPS TYPE	FIXTURE INPUT WATTS	VOLTS	MOUNTING	REMARKS
F1	LED	4' LENSED STRIPLIGHT W/ DRIVER	METALUX	SNLED-LD1-48-UNV-LN-L835-CD1-U	LED-3500K-4800 LUMENS	45	120V	PENDANT	
		4' LENSED STRIPLIGHT W/ DRIVER	LITHONIA	ZL2N-L48-5000LM-MDD-MVOLT-35K-80CRI	LED-3500K-5000 LUMENS	72	120V	PENDANT	
		4' LENSED STRIPLIGHT W/ DRIVER	COLUMBIA	LCL-4-35-ML-E-U	LED-3500K-5000 LUMENS	48	120V	PENDANT	
EXIT	LED	EXIT SIGN LIGHT FIXTURE	ISOLITE	HLX-EM-R-S-TM-0-SD	-	5	120V	PENDANT	
	LED	EXIT SIGN LIGHT FIXTURE	COOPER	TPX7-1-70-00-R-W-SD	-	5	120V	PENDANT	
	LED	EXIT SIGN LIGHT FIXTURE	LITHONIA	TEL W 1 RELN	-	1	120V	PENDANT	

LUMINARE SCHEDULE GENERAL NOTES:
1. FOR EXACT LOCATIONS OF THE LIGHT FIXTURES REFER TO ARCHITECTURAL REFELCTED CEILING PLANS AND ELEVATIONS.
2. MANUFACTURERS' CATALOG NUMBERS ARE INTENTIONLY INCOMPLTE. VERIFY AND COORDINATE REQUIRED TRIM KITS, MOUNTING BRACKETS, LAMPS, FINISHES, ETC. WITH CONTRACT.
3. COORDINATE ALL FIXTURE FINISHES WITH ARCHTECT.
4. PROVIDE IN-LINE FUSING. PROVIDE 90 MIN BATTERY INVERTER FOR EMERGENCY EGRESS FIXTURES
5. LAMPS FOR ALL FIXTURES SHALL HAVE SAME COLOR TEMPERATURE PER SPECIFICATIONS.
6. FIXTURE SCHEDULE INDICATES VARIOUS MANUFACTURERS. CONTRACTOR HAS OPTION TO UTILIZE ANY OF THE LISTED MANUFACTURES.



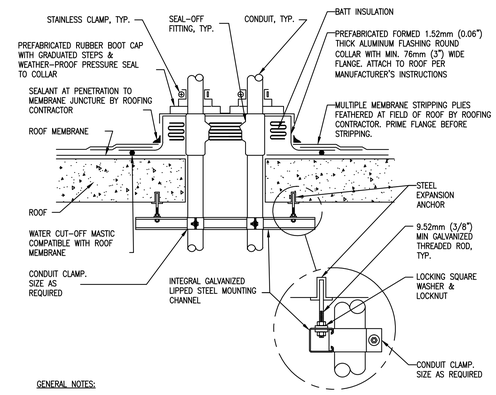
NORTH

1 PARTIAL EIGHTH FLOOR - ELECTRICAL PLAN
1/8"=1'-0"



NORTH

2 PARTIAL NINTH FLOOR - ELECTRICAL PLAN
1/8"=1'-0"



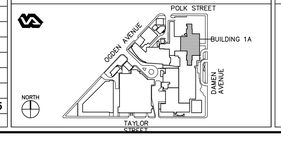
GENERAL NOTES:
1. MAINTAIN A MINIMUM CLEARANCE OF 305mm (12") ON ALL SIDES OF ROOF PENETRATION FROM WALLS, CURBS, AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.
2. FLANGES OF ADJACENT FLASHINGS SHALL NOT BE CUT OR OVERLAPPED.
3. VERIFY ROOF & STRUCTURAL SYSTEM WITH ARCHITECT.
4. COORDINATE FLASHING INSTALLATION WITH ROOFING CONTRACTOR TO ENSURE PROPER METHODS & MATERIALS ARE USED TO MAINTAIN ROOF WARRANTY.

1 CONDUIT ROOF PENETRATION DETAIL
NTS

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

Revisions:	Date
ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: PARTIAL EIGHTH FLOOR TO ROOF DECK - ELECTRICAL PLAN

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: NS | Drawn: YY

Project Number: 537-13-127

Building Number: 1A

Drawing Number: E-102

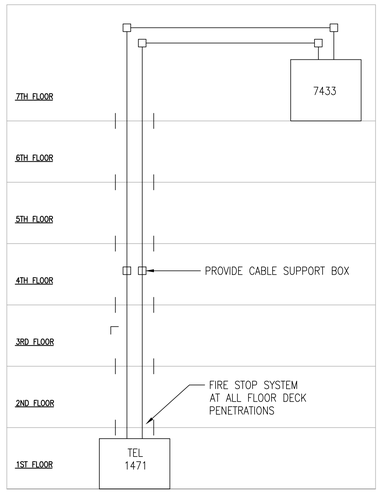
Office of Construction and Facilities Management

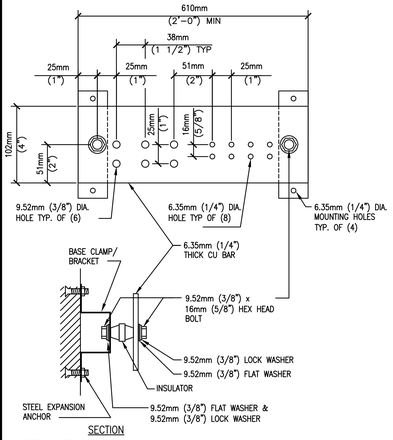
Department of Veterans Affairs

ISSUED FOR BIDS - NOT FOR CONSTRUCTION

VA FORM 08-6231

K:\CCG_PROJECTS\2013\13-105 - Jesse Brown (AE) Design IDIQ VA69D-13-D-0042\Task Order No. 09 - BioMed Server Room 537-14-127\400- D537.13.127.E-102.dwg 8-01-16 02:37:30 PM ABlessman



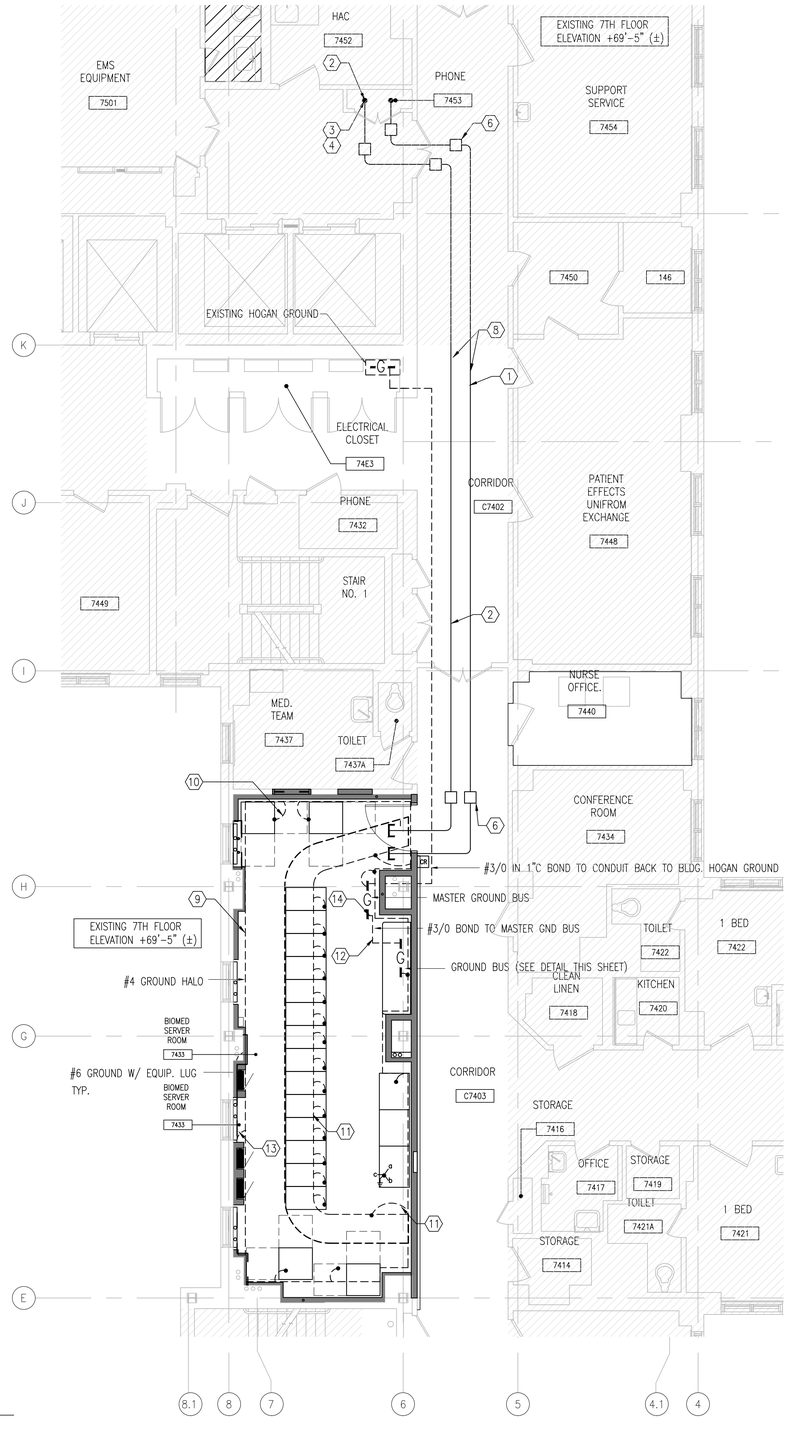


GENERAL NOTES:

1. ALL HARDWARE SHALL BE STAINLESS STEEL.
2. PROVIDE 1 MOUNTING POINT PER 305mm (12") OF BAR LENGTH.
3. HOLES MAY BE ADDED IF REQUIRED.

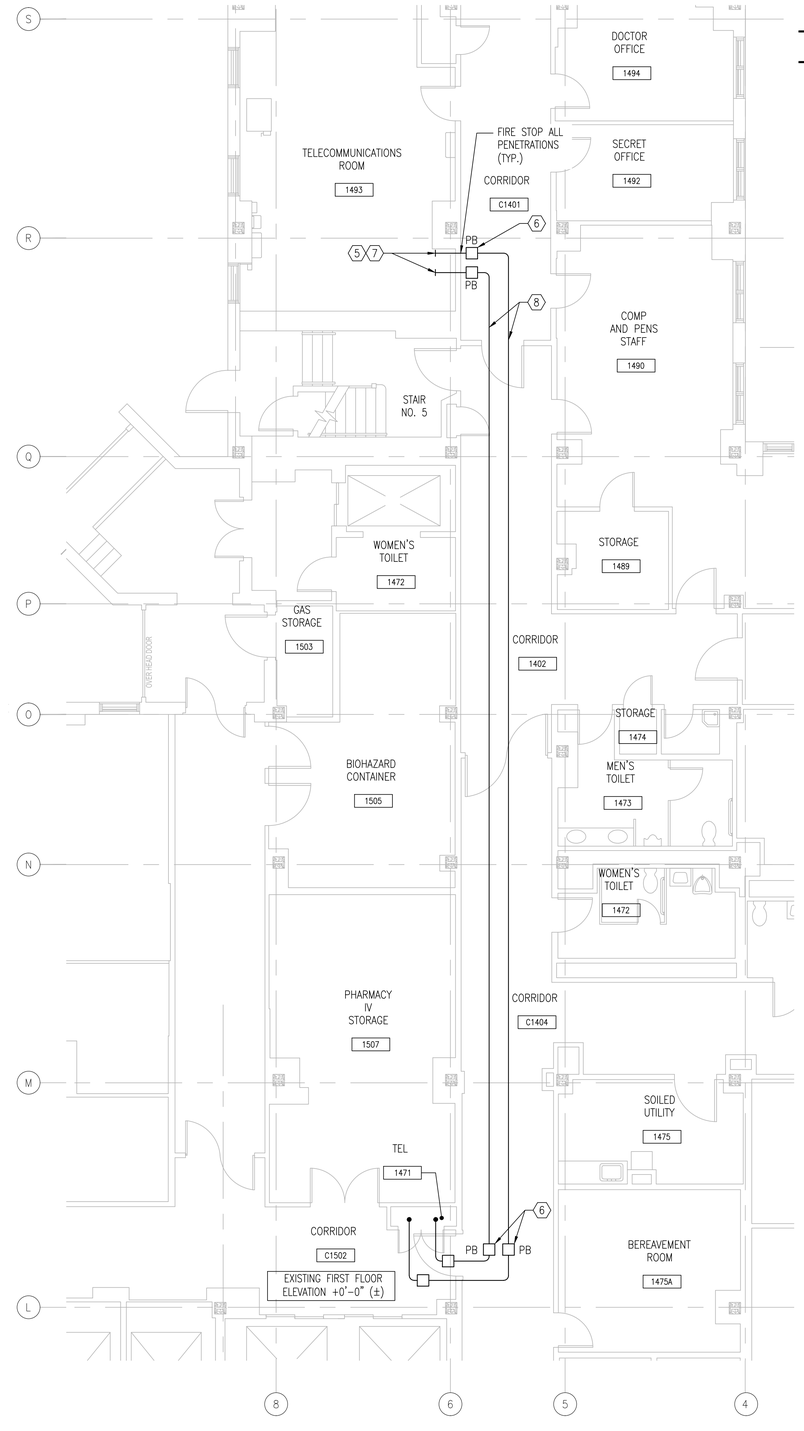
3 GROUNDING BAR DETAIL

NTS



1 PARTIAL SEVENTH FLOOR - TELECOMMUNICATIONS /GROUNDING PLAN

3/16"=1'-0"



2 PARTIAL FIRST FLOOR - TELECOMMUNICATIONS PLAN

3/16"=1'-0"

X ELECTRICAL PLAN NOTES

1. FURNISH AND INSTALL 4" CONDUIT AND 24 PAIR OF CAT6 & FIBER CABLE (12 STRAND SINGLEMODE AND 24 STRAND MULTIMODE) WITHIN EXISTING SUSPENDED CEILING SPACE. FURNISH AND INSTALL ALL SUPPORT SYSTEMS.

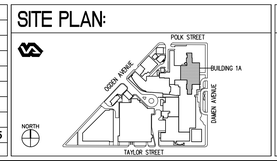
   PROVIDE SC TERMINATIONS AND TESTING AT BOTH ENDS, WITH FIBRE OPTICS

   CABLE (FOC) SHELF. COORDINATE FOC SHELF LOCATION WITH COR.
2. ROUTE 4" CONDUIT AND CABLES TO EXISTING TELECOMMUNICATION CLOSET, 7453
3. CORE DRILL CONCRETE FLOOR DECKS AT 2ND THRU 7TH FLOOR LEVELS. FOR FLOORS 2ND THRU 7TH, PROVIDE 5" SLEEVES & 3" SLEEVES.
4. FURNISH AND INSTALL ALL FIRE STOPPING SYSTEMS AT FLOOR DECKS AND AT ALL FIRE BARRIER PARTITIONS. FIRE STOPPING SYSTEMS AT ALL PENETRATIONS SHALL BE RATED SYSTEMS 2 HOUR U.L.
5. EXTEND 4" CONDUIT AND CABLING INTO EXISTING TELECOMMUNICATION ROOM 1493. BUNDLE CABLES WITHIN ROOM 1493 FOR OWNER'S FINAL EQUIPMENT CONNECTIONS.
6. INDICATES PULL BOX LOCATIONS.
7. CONTRACTOR SHALL BUNDLE CABLES WITH AN EXTRA LENGTH OF 50 FEET WITHIN TELECOMMUNICATIONS ROOM 1493.
8. PROVIDE METAL FRAMING SUPPORT SYSTEM 8'-0" O.C. MOUNT HIGH AND TIGHT TO CEILING.
9. FURNISH AND INSTALL #4AWG GREEN GROUND HALO 72" AFF SUPPORT 4' O.C.
10. FURNISH AND INSTALL #6AWG GREEN GROUND BOND TO HVAC UNITS TYP.
11. FURNISH AND INSTALL #6AWG GREEN GROUND BOND (ROCK) TO LADDER RACK TYP.
12. FURNISH AND INSTALL #4AWG GREEN GROUND BOND TO GROUND BAR TYP.
13. FURNISH AND INSTALL #6AWG GREEN GROUND BOND TO ELECTRICAL EQUIPMENT.
14. MASTER GROUND BUS COLLECTOR (SINGLE POINT GROUND POINT) BACK TO BLDG. HOGAN GROUND BOX.

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BIDS	12/03/2015
Revisions:	Date

SITE PLAN:



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Bancroft-AE Project No. 13-105-009

Drawing Title: PARTIAL SEVENTH AND FIRST FLOOR - TELECOMMUNICATIONS PLAN

Approved Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date	Checked	Drawn
12/03/2015	CD	CD

Project Number: 537-13-127

Building Number: 1A

Drawing Number: E-103

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

ISSUED FOR BIDS - NOT FOR CONSTRUCTION

K:\CCG_PROJECTS\2013\13-105 - Jesse Brown (AE) Design IDIQ VA69D-13-D-0042\Task Order No. 09 - BioMed Server Room 537-14-127\400- D537.13.127.E-103.dwg 8-01-16 02:38:12 PM ABlessman

PANEL SCHEDULES AND DETAILS

Panel RP-7433

PANEL NAME	LOCATION	MOUNTING	SUPPLIED FROM	VOLTAGE	BUS	MAIN
RP-7433	SERVER RM #7433	RECESSED	LP-7-1	208/120V. 3PH, 4W	225A	225A MCB

CKT NO	LOAD DESCRIPTION	VA LOAD PH A	PH B	PH C	CODE	CB P	CB TR	CB TR	CB P	CODE	VA LOAD PH A	PH B	PH C	LOAD DESCRIPTION	CKT NO
1	RACK-1	1000			E	1	20	20	1	E	1000			RACK-8	2
3	RACK-1		1000		E	2	30	30	2	E		1000		RACK-8	4
5				1000	E					E			1000		6
7	RACK-2	1000			E	1	20	20	1	E	1000			RACK-9	8
9	RACK-2		1000		E	2	30	30	2	E		1000		RACK-9	10
11				1000	E					E			1000		12
13	RACK-3	1000			E	1	20	20	1	E	1000			RACK-10	14
15	RACK-3		1000		E	2	30	30	2	E		1000		RACK-10	16
17				1000	E					E			1000		18
19	RACK-4	1000			E	1	20	20	1	E	1000			RACK-11	20
21	RACK-4		1000		E	2	30	30	2	E		1000		RACK-11	22
23				1000	E					E			1000		24
25	RACK-5	1000			E	1	20	20	1	E	1000			RACK-12	26
27	RACK-5		1000		E	2	30	30	2	E		1000		RACK-12	28
29				1000	E					E			1000		30
31	RACK-6	1000			E	1	20	20	1	E	1000			RACK-13	32
33	RACK-6		1000		E	2	30	30	2	E		1000		RACK-13	34
35				1000	E					E			1000		36
37	RACK-7	1000			E	1	20	20	1	E	1000			RACK-14	38
39	RACK-7		1000		E	2	30	30	2	E		1000		RACK-14	40
41				1000	E					E			1000		42

LOAD DESCRIPTION	CONNECTED (KVA)	D.F.	DEMAND (KVA)	SUBFED LOADS	(KVA)	CONNECTED	VA	AMPS
LIGHTING	0.0	1.00	0.0	LIGHTING	0.0	PH A	14000	
RECEPT (FIRST 10 KW)	0.0	1.00	0.0	RECEPT	0.0	PH B	14000	
RECEPT (REMAINDER)	0.0	0.50	0.0	MOTORS	0.0	PH C	14000	
MOTORS	0.0	1.00	0.0	EQUIP	0.0			
LARGEST MOTOR	0.0	1.25	0.0	HEATING	0.0	TOTAL	KVA	AMPS
EQUIPMENT	42.0	1.00	42			CONNECTED	42.0	116.6
HEATING	0.0	1.00	0			DEMAND	42.0	50.5
TOTAL	42.0		42.0			DESIGN		

☑ GROUND BUS ☐ 100% NEUTRAL BUS FEED THRU ☑ INTEGRAL TVSS
☑ ISOLATED GROUND BUS ☑ 200% NEUTRAL BUS LUGS ISC = 22KAIC

L	LIGHTING	M	MOTORS	E	EQUIPMENT	S	SUBFED
R	RECEPTACLE	LM	LARGEST MOTOR	H	HEATING	T	TRANSFORMER

Panel RP-1 7433

PANEL NAME	LOCATION	MOUNTING	SUPPLIED FROM	VOLTAGE	BUS	MAIN
RP-1 7433	SERVER RM #7433	RECESSED	LP-7-1	208/120V. 3PH, 4W	225A	MLO

CKT NO	LOAD DESCRIPTION	VA LOAD PH A	PH B	PH C	CODE	CB P	CB TR	CB TR	CB P	CODE	VA LOAD PH A	PH B	PH C	LOAD DESCRIPTION	CKT NO
1	SPARE	0				1	20	20	1	R	200			OUTLETS	2
3	SPARE		0			2	30	20	1	R		200		OUTLETS	4
5				0				20	1	R			200	OUTLETS	6
7	SPARE	0				1	20	20	1	R	200			OUTLETS	8
9	SPARE		0			2	30	20	1	R		200		OUTLETS	10
11				0				20	1	R			200	OUTLETS	12
13	SPARE	0				3		20	1	L	100			EXIT SIGN	14
15	SPARE		0					20	1	L		700		LIGHTS	16
17	SPARE			0				20	1	R			800	OUTLETS	18
19	SPARE	0				1	20	20	1	R	200			RTU GFI	20
21	SPARE		0			2	30	20	1			100		POWER PACK	22
23				0				20	1				0		24
25	SPARE	0				1	20	20	1		0			SPARE	26
27	SPARE		0			2	30	20	1			0		SPARE	28
29				0				20	1				0		30
31	SPARE	0				1	20	20	1		0			SPARE	32
33	SPARE		0			2	30	20	1			0		SPARE	34
35				0				20	1				0		36
37	SPARE	0				1	20	20	1		0			SPARE	38
39	SPARE		0			2	30	20	1			0		SPARE	40
41				0				20	1				0		42

LOAD DESCRIPTION	CONNECTED (KVA)	D.F.	DEMAND (KVA)	SUBFED LOADS	(KVA)	CONNECTED	VA	AMPS
LIGHTING	0.8	1.00	0.8	LIGHTING	0.0	PH A	700	
RECEPT (FIRST 10 KW)	2.2	1.00	2.2	RECEPT	0.0	PH B	1200	
RECEPT (REMAINDER)	0.0	0.50	0.0	MOTORS	0.0	PH C	1200	
MOTORS	0.0	1.00	0.0	EQUIP	0.0			
LARGEST MOTOR	0.0	1.25	0.0	HEATING	0.0	TOTAL	KVA	AMPS
EQUIPMENT	0.0	1.00	0			CONNECTED	3.1	8.6
HEATING	0.0	1.00	0			DEMAND	3.0	3.6
TOTAL	3.0		3.0			DESIGN		

☑ GROUND BUS ☐ 100% NEUTRAL BUS FEED THRU ☑ INTEGRAL TVSS
☑ ISOLATED GROUND BUS ☑ 200% NEUTRAL BUS LUGS ISC = 22KAIC

L	LIGHTING	M	MOTORS	E	EQUIPMENT	S	SUBFED
R	RECEPTACLE	LM	LARGEST MOTOR	H	HEATING	T	TRANSFORMER

Panel EQ-7433

PANEL NAME	LOCATION	MOUNTING	SUPPLIED FROM	VOLTAGE	BUS	MAIN
NAME EQ-7433	SERVER RM. 7433	RECESSED	H-EDP-7-1	480V	250A	MCB

CKT NO	LOAD DESCRIPTIO	VA LOAD PH A	PH B	PH C	CODE	CB P	CB TR	CB TR	CB P	CODE	VA LOAD PH A	PH B	PH C	LOAD DESCRIPTION	CKT NO
1	CRU-1	9550			M	1	45	60	1	M	2400			FCU-1	2
3	480V 3P		9550		M	1	/	/	1	M		2400		480V 3P	4
5	CRAC UNIT			9550	M	1	3P	3P	1	M			2400	FAN COIL	6
7	CRU-2	9550			M	1	45	60	1	M	2400			FCU-2	8
9	480V 3P		9550		M	1	/	/	1	M		2400		480V 3P	10
11	CRAC UNIT			9550	M	1	3P	3P	1	M			2400	FAN COIL	12
13	CRU-3	9550			M	1	45	60	1	M	2400			FCU-3	14
15	480V 3P		9550		M	1	/	/	1	M		2400		480V 3P	16
17	CRAC UNIT			9550	M	1	3P	3P	1	M			2400	FAN COIL	18
19	CRU-4	9550			M	1	45	60	1	M	2400			FCU-4	20
21	480V 3P		9550		M	1	/	/	1	M		2400		480V 3P	22
23	CRAC UNIT			9550	M	1	3P	3P	1	M			2400	FAN COIL	24
25	SPARE	0				1	45	60	1		0			SPARE	26
27			0			1	/	/	1			0			28
29				0		1	3P	3P	1				0		30
31	ACCU-3	400			M	1	15	15	1	M	400			ACCU-2	32
33	480V 3P		400		M	1	/	/	1	M		400		480V 3P	34
35	AIR COOLER			400	M	1	3P	3P	1	M			400	AIR COOLER	36
37	ACCU-4	400			M	1	15	15	1	M	400			ACCU-1	38
39	480V 3P		400		M	1	/	/	1	M		400		480V 3P	40
41	AIR COOLER			400	M	1	3P	3P	1	M			400	AIR COOLER	42

LOAD DESCRIPTION	CONNECTED (KVA)	D.F.	DEMAND (KVA)	ED LOADS	(KVA)	CONNECTED	VA	AMPS
LIGHTING	0.0	1.00	0.0	LIGHTING	0.0	PH A	49400	
RECEPT (FIRST 10 KW)	0.0	1.00	0.0	RECEPT	0.0	PH B	49400	
RECEPT (REMAINDER)	0.0	0.50	0.0	MOTORS	0.0	PH C	49400	
MOTORS	148.2	1.00	148.2	EQUIP	0.0			
LARGEST MOTOR	0.0	1.25	0.0	HEATING	0.0	TOTAL	KVA	AMPS
EQUIPMENT	0.0	1.00	0			CONNECTED	148.2	178.3
HEATING	0.0	1.00	0			DEMAND	148.2	178.3
TOTAL	148.2		148.2			DESIGN		

☑ GROUND BUS ☐ 100% NEUTRAL BUS ☑ INTEGRAL TVSS
☐ ISOLATED GROUND BUS ☐ 200% NEUTRAL BUS ISC = 42KAIC

L	LIGHTING	M	MOTORS	E	EQUIPMENT	S	SUBFED
R	RECEPTACLE	LM	LARGEST MOTOR	H	HEATING	T	TRANSFORMER

ELECTRICAL FILL CALCULATIONS:

DIVIDED RACWEAY WITH EACH COMPARTMENT

DUPLEX DEVICES (EACH DIVIDED RACEWAY)
1. (28)QTY. #10AWG CONDUCTORS (NO DERATING)
EACH COMPARTMENT WITH LARGE RECEPTACLE 3.00"SQ.
3.00"SQ.x 50% = 1.5 SQ" X 40% = 0.6" SQ
#10 AWG = 0.0211SQ." X (28) =0.59 <.6 SQ" OKAY

Panel UPS-7433

PANEL NAME	LOCATION	MOUNTING	SUPPLIED FROM	VOLTAGE	BUS	MAIN
UPS-7433	SERVER RM #7433	RECESSED	CLP-7-1	208/120V. 3PH, 4W	225A	225A MCB

CKT NO	LOAD DESCRIPTION	VA LOAD PH A	PH B	PH C	CODE	CB P	CB TR	CB TR	CB P	CODE	VA LOAD PH A	PH B	PH C	LOAD DESCRIPTION	CKT NO
1	RACK-1	1000			E	1	20	20	1	E	1000			RACK-8	2
3	RACK-1		1000		E	2	30	30	2	E		1000		RACK-8	4
5				1000	E					E			1000		6
7	RACK-2	1000			E	1	20	20	1	E	1000			RACK-9	8
9	RACK-2		1000		E	2	30	30	2	E		1000		RACK-9	10
11				1000	E					E			1000		12
13	RACK-3	1000			E	1	20	20	1	E	1000			RACK-10	14
15	RACK-3		1000		E	2	30	30	2	E		1000		RACK-10	16
17				1000	E					E			1000		18
19	RACK-4	1000			E	1	20	20	1	E	1000			RACK-11	20
21	RACK-4		1000		E	2	30	30	2	E		1000		RACK-11	22
23				1000	E					E			1000		24
25	RACK-5	1000			E	1	20	20	1	E	1000			RACK-12	26
27	RACK-5		1000		E	2	30	30	2	E		1000		RACK-12	28
29				1000	E					E			1000		30
31	RACK-6	1000			E	1	20	20	1	E	1000			RACK-13	32
33	RACK-6		1000		E	2	30	30	2	E		1000		RACK-13	34
35				1000	E					E			1000		36
37	RACK-7	1000			E	1	20	20	1	E	1000			RACK-14	38
39	RACK-7		1000		E	2	30	30	2	E		1000		RACK-14	40
41				1000	E					E			1000		42

LOAD DESCRIPTION	CONNECTED (KVA)	D.F.	DEMAND (KVA)	SUBFED LOADS	(KVA)	CONNECTED	VA	AMPS
LIGHTING	0.0	1.00	0.0	LIGHTING	0.0	PH A	14000	
RECEPT (FIRST 10 KW)	0.0	1.00	0.0	RECEPT	0.0	PH B	14000	
RECEPT (REMAINDER)	0.0	0.50	0.0	MOTORS	0.0	PH C	14000	
MOTORS	0.0	1.00	0.0	EQUIP	0.0			
LARGEST MOTOR	0.0	1.25	0.0	HEATING	0.0	TOTAL	KVA	AMPS
EQUIPMENT	42.0	1.00	42			CONNECTED	42.0	116.6
HEATING	0.0	1.00	0			DEMAND	42.0	50.5
TOTAL	42.0		42.0			DESIGN		

☑ GROUND BUS ☐ 100% NEUTRAL BUS FEED THRU ☑ INTEGRAL TVSS
☑ ISOLATED GROUND BUS ☑ 200% NEUTRAL BUS LUGS ISC = 22KAIC

L	LIGHTING	M	MOTORS	E	EQUIPMENT	S	SUBFED
R	RECEPTACLE	LM	LARGEST MOTOR	H	HEATING	T	TRANSFORMER

Panel UPS-1 7433

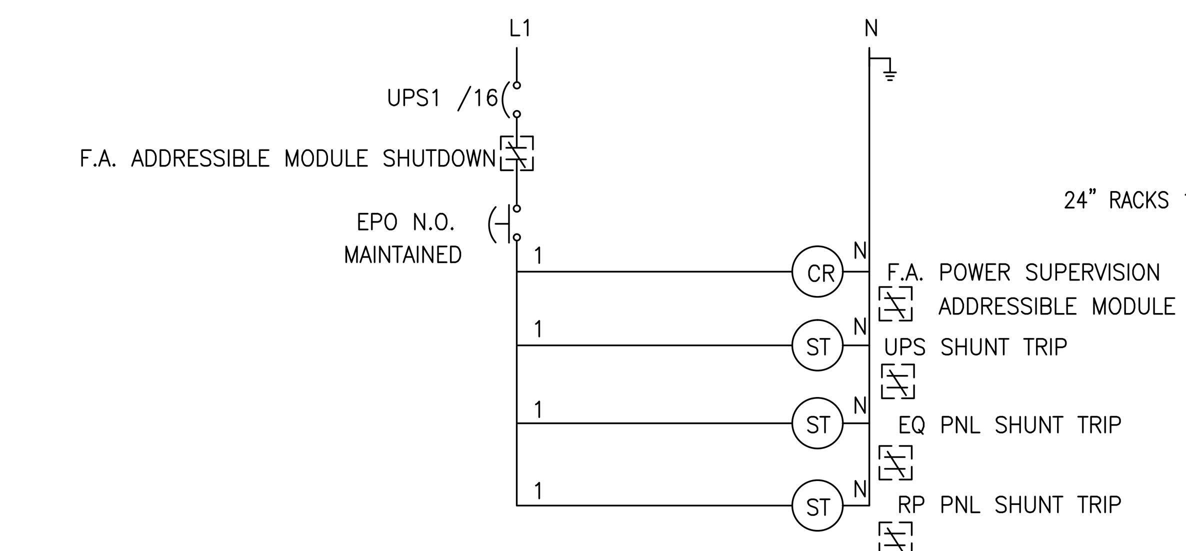
PANEL NAME	LOCATION	MOUNTING	SUPPLIED FROM	VOLTAGE	BUS	MAIN
UPS-1 7433	SERVER RM #7433	RECESSED	CLP-7-1	208/120V. 3PH, 4W	225A	225A MCB

CKT NO	LOAD DESCRIPTION	VA LOAD PH A	PH B	PH C	CODE	CB P	CB TR	CB TR	CB P	CODE	VA LOAD PH A	PH B	PH C	LOAD DESCRIPTION	CKT NO
1	SPARE	0				1	20	20	1	R	200			OUTLET	2
3	SPARE		0			2	30	20	1	R		200		OUTLET	4
5				0				20	1	R			200	OUTLET	6
7	SPARE	0				1	20	20	1	R	200			OUTLET	8
9	SPARE		0			2	30	20	1	R		200		OUTLET	10
11				0				20	1	R			200	OUTLET	12
13	SPARE	0				1	20	20	1	R	100			LEAK DETECTION	14
15	SPARE		0			2	30	20	1	E		100		SHUNT TRIP	16
17				0				20	1	E			100	DOOR CARD READER	18
19	SPARE	0				1	20	20	1	E	100			CCTV	20
21	SPARE		0			2	30	20	1					SPARE	22
23				0				20	1					SPARE	24
25	SPARE	0				1	20	20	1					SPARE	26
27	SPARE		0			2	30	20	1					SPARE	28
29				0				20	1					SPARE	30
31	SPARE	0				1	20	20	1					SPARE	32
33	SPARE		0			2	30	20	1					SPARE	34
35				0				20	1					SPARE	36
37	SPARE	0				1	20	20	1					SPARE	38
39	SPARE		0			2	30	20	1					SPARE	40
41				0				20	1					SPARE	42

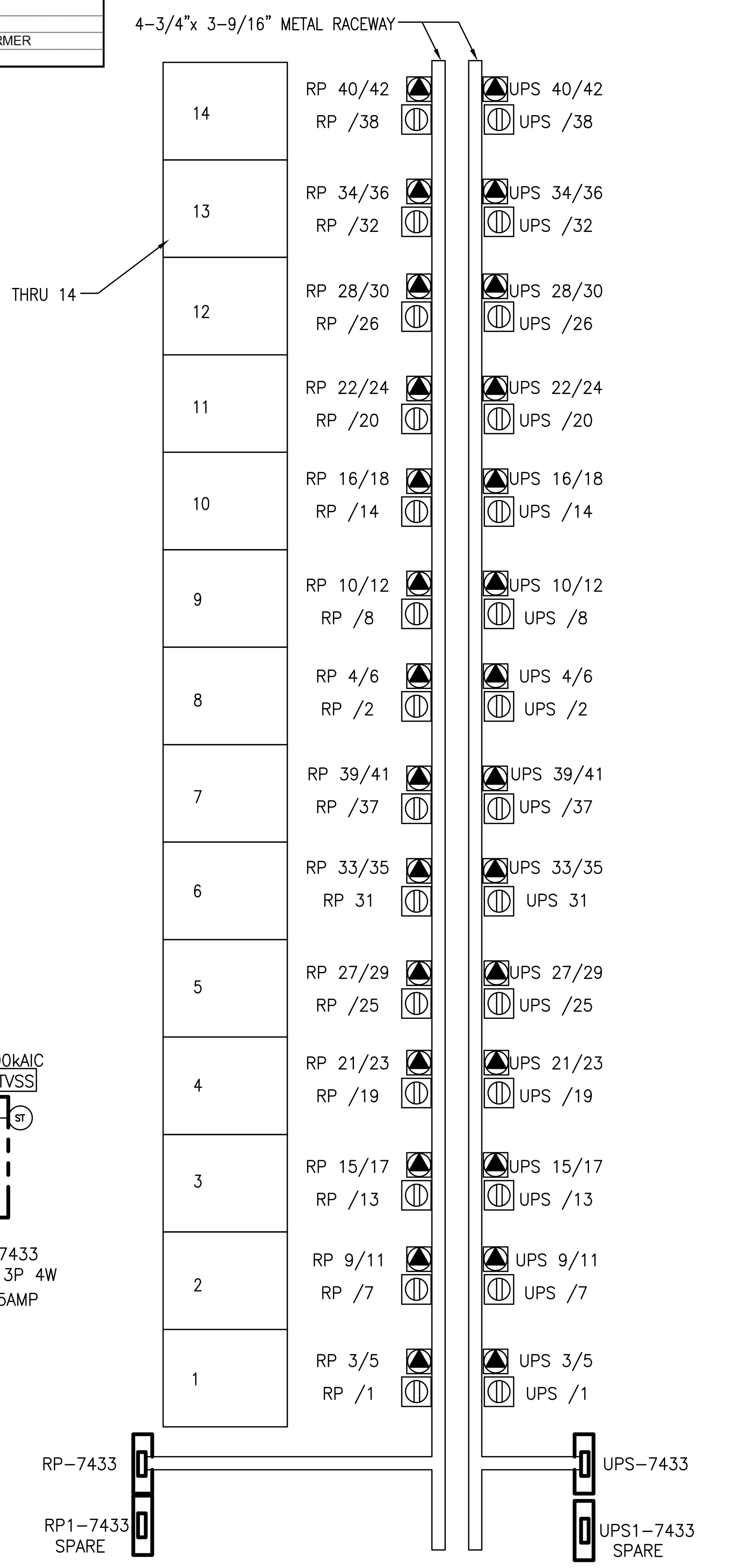
LOAD DESCRIPTION	CONNECTED (KVA)	D.F.	DEMAND (KVA)	SUBFED LOADS	(KVA)	CONNECTED	VA	AMPS
LIGHTING	0.0	1.00	0.0	LIGHTING	0.0	PH A	600	
RECEPT (FIRST 10 KW)	1.3	1.00	1.3	RECEPT	0.0	PH B	500	
RECEPT (REMAINDER)	0.0	0.50	0.0	MOTORS	0.0	PH C	500	
MOTORS	0.0	1.00	0.0	EQUIP	0.0			
LARGEST MOTOR	0.0	1.25	0.0	HEATING	0.0	TOTAL	KVA	AMPS
EQUIPMENT	0.3	1.00	0.3			CONNECTED	1.6	4.4
HEATING	0.0	1.00	0			DEMAND	1.6	1.9
TOTAL	1.6		1.6			DESIGN		

☑ GROUND BUS ☐ 100% NEUTRAL BUS FEED THRU ☑ INTEGRAL TVSS
☑ ISOLATED GROUND BUS ☑ 200% NEUTRAL BUS LUGS ISC = 22KAIC

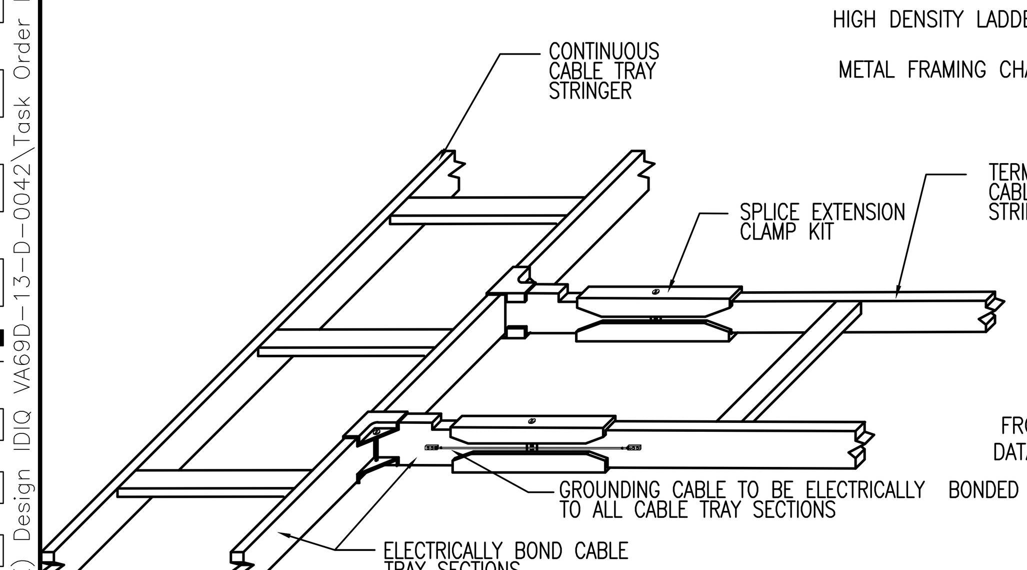
L	LIGHTING	M	MOTORS	E	EQUIPMENT	S	SUBFED
R	RECEPTACLE	LM	LARGEST MOTOR	H	HEATING	T	TRANSFORMER



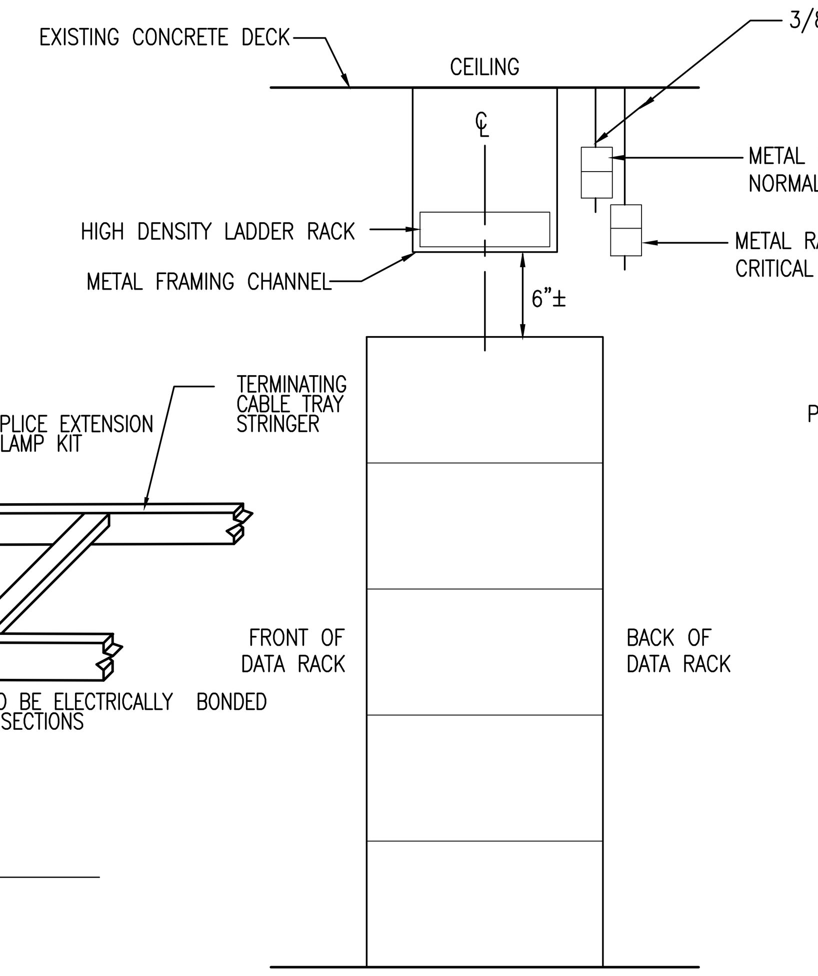
6 EPO SHUNT TRIP
NTS



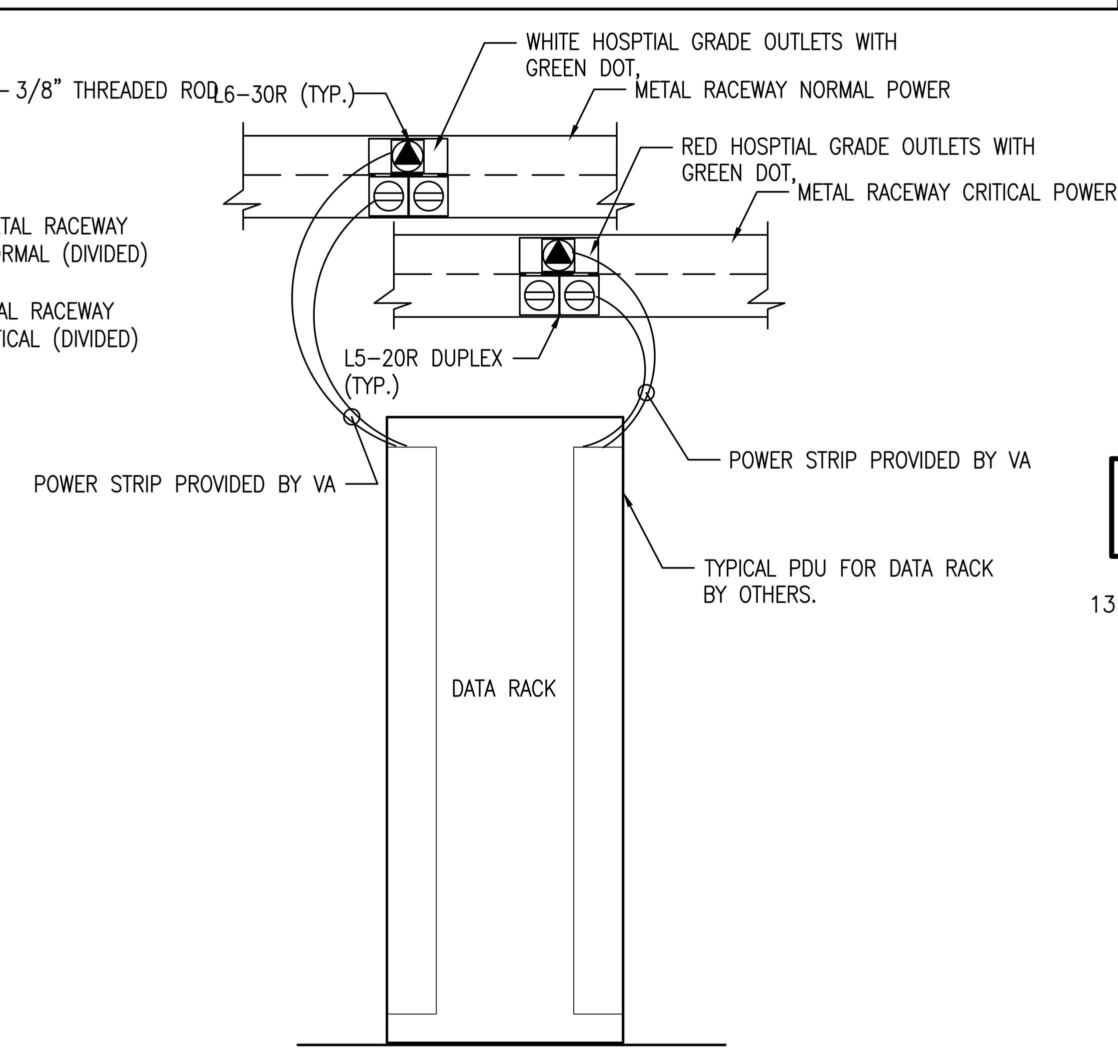
5 POWER FOR DATA RACK
NTS



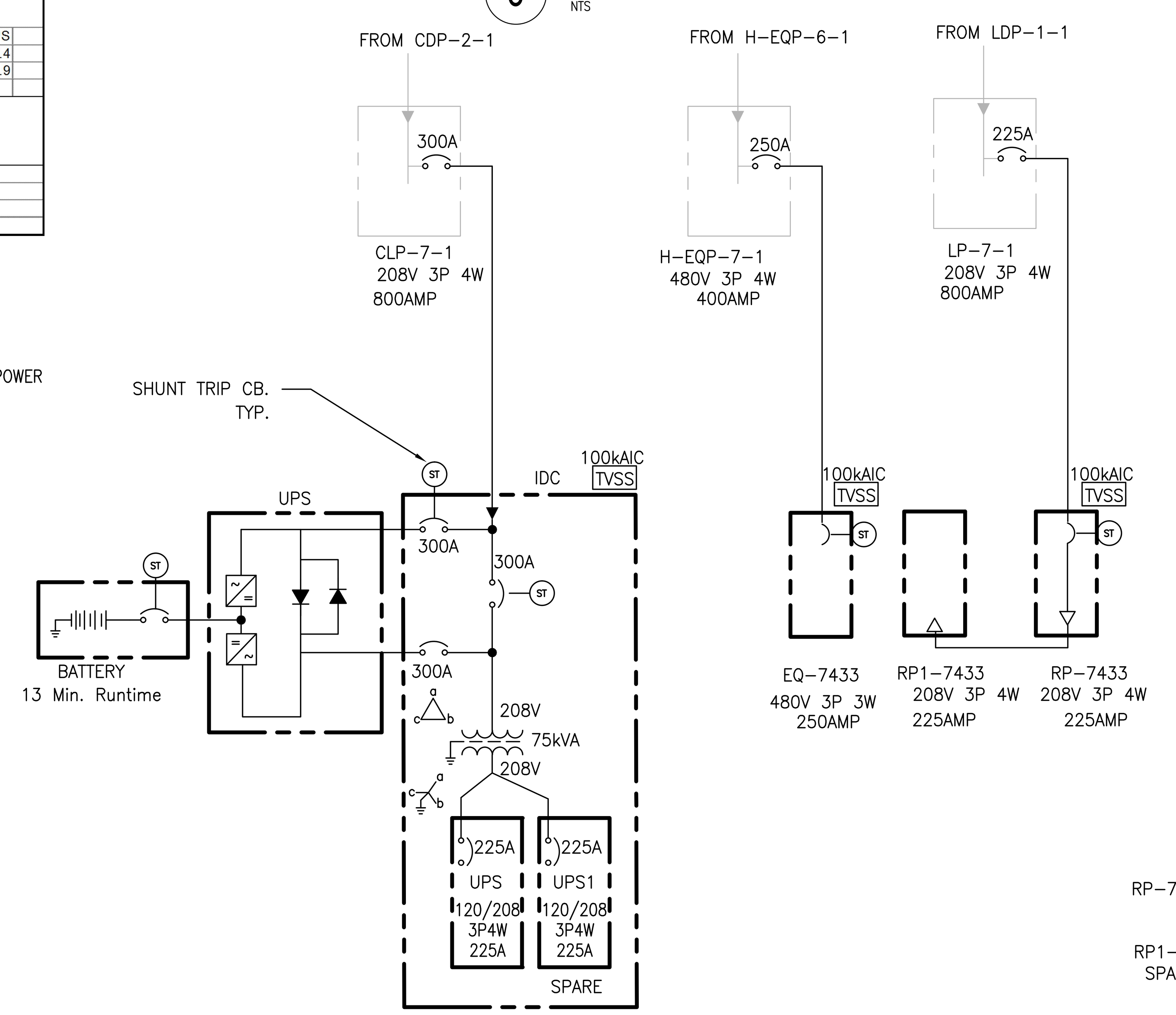
1 LADDER RACK DETAIL
NTS



2 CABLE TRAY / WIRE WAY DETAIL
NTS



3 METAL RACEWAY/ DATA RACK DETAIL
NTS

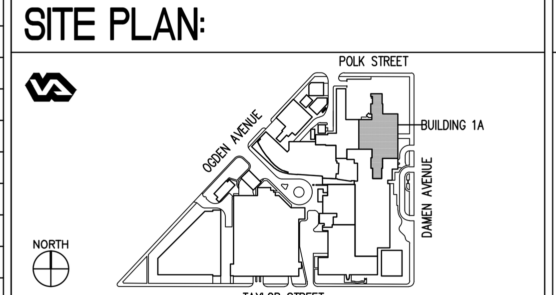


4 SINGLE LINE DIAGRAM
NTS

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

Revisions:	Date
ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BIDS	12/03/2015

SITE PLAN:



ENGINEERS + CONSULTANTS:

ARCHITECT + ENGINEERS:

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: PANEL SCHEDULES AND DETAILS

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 Checked: CD Drawn: CD

Project Number: 537-13-127

Building Number: 1A

Drawing Number: E-601

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

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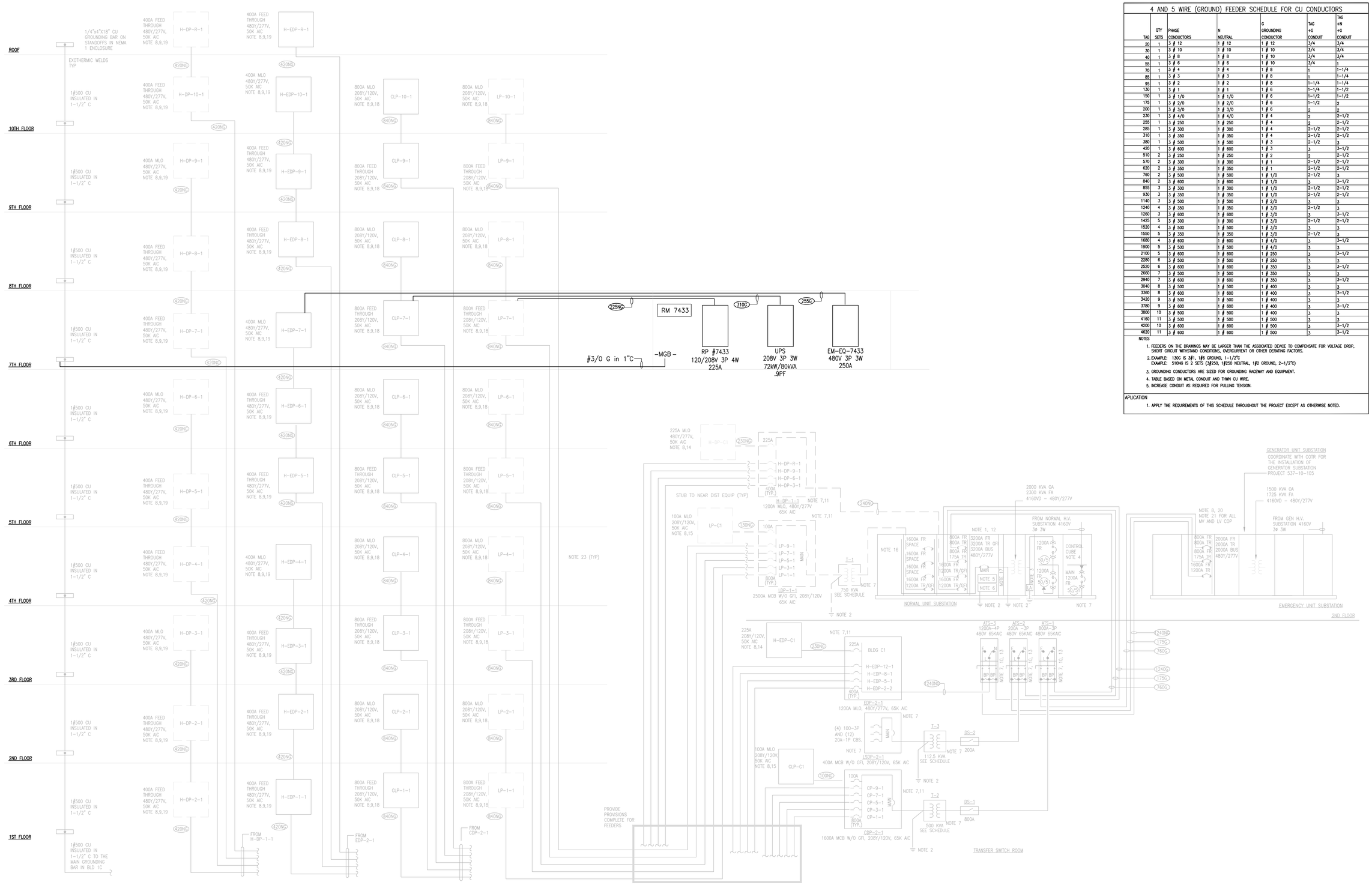
ISSUED FOR BIDS - NOT FOR CONSTRUCTION



4 AND 5 WIRE (GROUND) FEEDER SCHEDULE FOR CU CONDUCTORS

TAG	QTY SETS	PHASE CONDUCTORS	N NEUTRAL	G GROUNDING CONDUCTOR	TAG +G CONDUIT	TAG +N +G CONDUIT
20	1	3 # 12	1 # 12	1 # 12	3/4	3/4
30	1	3 # 10	1 # 10	1 # 10	3/4	3/4
40	1	3 # 8	1 # 8	1 # 10	3/4	3/4
55	1	3 # 6	1 # 6	1 # 10	3/4	1
70	1	3 # 4	1 # 4	1 # 8	1	1-1/4
85	1	3 # 3	1 # 3	1 # 8	1	1-1/4
95	1	3 # 2	1 # 2	1 # 8	1-1/4	1-1/4
130	1	3 # 1	1 # 1	1 # 6	1-1/4	1-1/2
150	1	3 # 1/0	1 # 1/0	1 # 6	1-1/2	1-1/2
175	1	3 # 2/0	1 # 2/0	1 # 6	1-1/2	2
200	1	3 # 3/0	1 # 3/0	1 # 6	2	2
230	1	3 # 4/0	1 # 4/0	1 # 4	2	2-1/2
255	1	3 # 250	1 # 250	1 # 4	2	2-1/2
285	1	3 # 300	1 # 300	1 # 4	2-1/2	2-1/2
310	1	3 # 350	1 # 350	1 # 4	2-1/2	2-1/2
380	1	3 # 500	1 # 500	1 # 3	2-1/2	3
420	1	3 # 600	1 # 600	1 # 3	3	3-1/2
510	2	3 # 250	1 # 250	1 # 2	2	2-1/2
570	2	3 # 300	1 # 300	1 # 1	2-1/2	2-1/2
620	2	3 # 350	1 # 350	1 # 1	2-1/2	2-1/2
760	2	3 # 500	1 # 500	1 # 1/0	2-1/2	3
840	2	3 # 600	1 # 600	1 # 1/0	3	3-1/2
855	3	3 # 300	1 # 300	1 # 1/0	2-1/2	2-1/2
930	3	3 # 350	1 # 350	1 # 1/0	2-1/2	2-1/2
1140	3	3 # 500	1 # 500	1 # 2/0	3	3
1240	4	3 # 350	1 # 350	1 # 3/0	2-1/2	3
1260	3	3 # 600	1 # 600	1 # 3/0	3	3-1/2
1425	5	3 # 300	1 # 300	1 # 3/0	2-1/2	2-1/2
1520	4	3 # 500	1 # 500	1 # 3/0	3	3
1550	5	3 # 350	1 # 350	1 # 3/0	2-1/2	3
1680	4	3 # 600	1 # 600	1 # 4/0	3	3-1/2
1900	5	3 # 500	1 # 500	1 # 4/0	3	3
2100	5	3 # 600	1 # 600	1 # 250	3	3-1/2
2280	6	3 # 500	1 # 500	1 # 250	3	3
2520	6	3 # 600	1 # 600	1 # 350	3	3-1/2
2660	7	3 # 500	1 # 500	1 # 350	3	3
2940	7	3 # 600	1 # 600	1 # 350	3	3-1/2
3040	8	3 # 500	1 # 500	1 # 400	3	3
3360	8	3 # 600	1 # 600	1 # 400	3	3-1/2
3420	9	3 # 500	1 # 500	1 # 400	3	3
3780	9	3 # 600	1 # 600	1 # 400	3	3-1/2
3800	10	3 # 500	1 # 500	1 # 400	3	3
4160	11	3 # 500	1 # 500	1 # 500	3	3
4200	10	3 # 600	1 # 600	1 # 500	3	3-1/2
4620	11	3 # 600	1 # 600	1 # 500	3	3-1/2

NOTES

1. FEEDERS ON THE DRAWINGS MAY BE LARGER THAN THE ASSOCIATED DEVICE TO COMPENSATE FOR VOLTAGE DROP, SHORT CIRCUIT WITHSTAND CONDITIONS, OVERCURRENT OR OTHER DERATING FACTORS.
2. EXAMPLE: 130G IS 3#1, 1#6 GROUND, 1-1/2"C
   EXAMPLE: 510NG IS 2 SETS (3#250, 1#250 NEUTRAL, 1#2 GROUND, 2-1/2"C)
3. GROUNDING CONDUCTORS ARE SIZED FOR GROUNDING RACEWAY AND EQUIPMENT.
4. TABLE BASED ON METAL CONDUIT AND THWN CU WIRE.
5. INCREASE CONDUIT AS REQUIRED FOR PULLING TENSION.

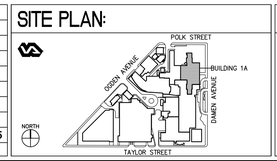
APLICATION

1. APPLY THE REQUIREMENTS OF THIS SCHEDULE THROUGHOUT THE PROJECT EXCEPT AS OTHERWISE NOTED.

IDIQ CONTRACT NO. VA69D-13-D-0042
CONTRACT NO. VA69D-14-J-3517

Revisions:	Date
ISSUED FOR SOLICITATION	08/01/2016
ISSUED FOR BID CLARIFICATIONS	04/01/2016
ISSUED FOR BIDS	12/03/2015

SITE PLAN:



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BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd. Suite 403
Elk Grove Village, IL 60007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
Bancroft-AE Project No. 13-105-009

Drawing Title: ELECTRICAL RISER DIAGRAM

Approved: Project Director

Project Title: JESSE BROWN VAMC BIOMED SERVER ROOM

Location: CHICAGO, ILLINOIS

Date: 12/03/2015 | Checked: CD | Drawn: CD

Project Number: 537-13-127

Building Number: 1A

Drawing Number: E-602

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

ISSUED FOR BIDS - NOT FOR CONSTRUCTION

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