

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



# FCA UPGRADE AIR HANDLING UNITS / SYSTEMS

## VA MEDICAL CENTER, JOHN COCHRAN DIVISION SAINT LOUIS, MISSOURI 63106

### PROJECT #657-15-101JC

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#### SPECIFIC PROJECT NOTES

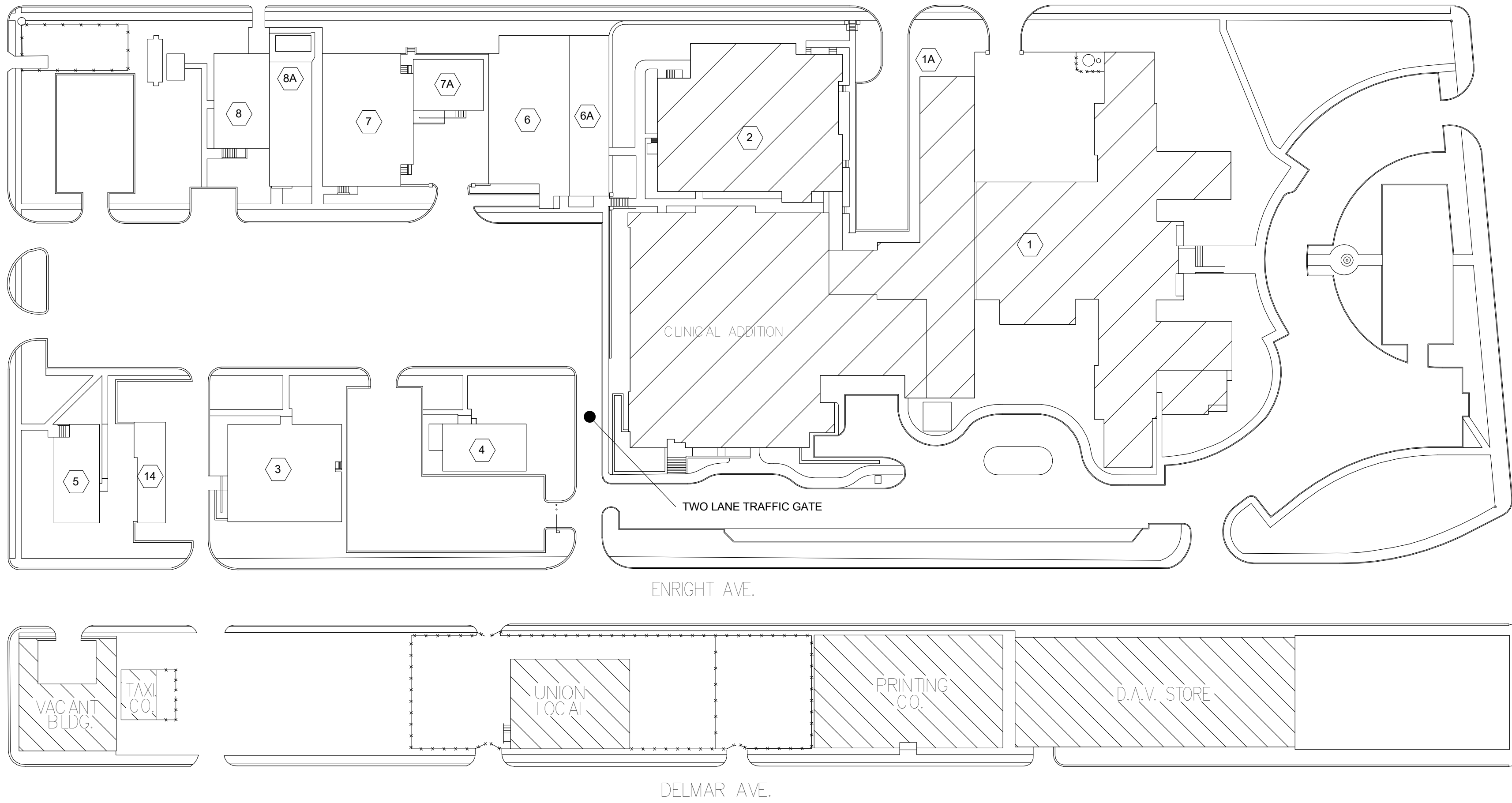
1. THE PROJECT WILL BE CONSTRUCTED SIMULTANEOUSLY WITH A SEPARATE ADJACENT PROJECT, PHASE 2B (657-13-300JC).
2. THE CONTRACTORS ON BOTH PROJECTS ARE EXPECTED TO COOPERATE WITH EACH OTHER IN A CIVIL AND BUSINESSLIKE MANNER.
3. THE CONTRACTOR MUST COORDINATE ALL WORK WITH THE VA COR AND WITH THE CONTRACTOR ON THE OTHER PROJECT.
4. EACH CONTRACTOR SHALL NOT IMPEDE THE WORK OF THE OTHER CONTRACTOR ON A SYSTEM, OR IN AN AREA, THAT SERVES BOTH AREAS.
5. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATIONS SUPPLIES, EQUIPMENT, TRASH, SUPPORT FACILITIES WITHIN THE OVERALL PROJECT LIMITS WITH EACH OTHER.
6. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING AREAS OF THEIR WORK. CONTRACTORS SHALL NOT LOCATE DEBRIS, TRASH AND OTHER ITEMS IN THE OTHER CONTRACTOR'S AREA.
7. EACH CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF THE DEBRIS AND DEMOLISHED ITEMS FOR THEIR OWN WORK AND AREA. THE VA COR WILL DESIGNATE LOCATIONS WHERE EACH CONTRACTOR CAN USE FOR DEBRIS REMOVAL.
8. BOTH CONTRACTORS SHALL MEET, COORDINATE AND AGREE TO AN OVERALL PROJECT SCHEDULE FOR BOTH PROJECTS. SUBMIT THIS SCHEDULE TO THE VA COR FOR REVIEW AND APPROVAL.
9. UTILITY SHUTDOWNS. UTILITY SHUTDOWNS REQUIRED BY ONE CONTRACTOR WILL LIKELY AFFECT THE OTHER CONTRACTOR, EITHER POSITIVELY OR NEGATIVELY. THEREFORE, ALL SHUTDOWNS ARE REQUIRED TO BE JOINTLY ARRANGED AND COORDINATED WITH THE VA COR. THE VA DESIRES TO HAVE AS FEW UTILITY SHUTDOWNS AS POSSIBLE.
10. A FORMAL CONSTRUCTION BARRIER WILL NOT BE REQUIRED BETWEEN PHASES 2B & 2BI. TEMPORARY CONSTRUCTION BARRIERS SUCH AS PLASTIC SHEETS, CAN BE CONSTRUCTED AS NEEDED TO SEPARATE AREAS OF WORK FROM OTHERS IF NEEDED.
11. NEGATIVE AIR SHALL BE THE RESPONSIBILITY OF BOTH CONTRACTORS. EACH CONTRACTOR WILL BE REQUIRED TO CALCULATE THE VOLUME OF THEIR PHASE AND THE CUBIC FEET OF EXHAUST AIR THAT WILL BE REQUIRED TO MAINTAIN NEGATIVE PRESSURE OF 0.01" OF MERCURY. THEY SHALL LIST THE CFM OF NEGATIVE AIR MACHINES THEY PLAN ON USING AND HOW MANY OF THESE MACHINES ARE REQUIRED. ADDITIONAL NEGATIVE AIR MACHINES WILL BE REQUIRED AS PERFORMANCE DECREASES AS FILTERS BECOME LOADED. ALL CALCULATIONS SHALL BE PROVIDED TO THE VA COR FOR APPROVAL. EACH CONTRACTOR SHALL PLACE TWO NANOMETERS EACH WHERE INSTRUCTED BY THE VA COR.
12. THERE WILL BE SHARED AREAS OF CONSTRUCTION, SUCH AS THE CONSTRUCTION ACCESS IN THE 5TH FLOOR INTERSTITIAL SPACE, 4TH FLOOR ELECTRICAL AND TELECOMMUNICATION ROOMS, ROOF, ETC. BOTH CONTRACTORS SHALL JOINTLY DEVELOP A SCHEDULE OF WHO WILL CLEAN CERTAIN AREAS AND WHEN, AND WHO WILL PROVIDE FINAL CLEANING OF THESE AREAS, AND PROVIDE THIS SCHEDULE TO THE VA COR.
13. IF NEW UTILITIES ARE TO BE ROUTED IN SHARED AREAS OF CONSTRUCTION, BOTH CONTRACTORS SHALL INFORM EACH OTHER OF THE INTENDED LOCATIONS AS TO NOT INHIBIT THE INSTALLATION OF THE OTHER CONTRACTORS WORK. LOCATION OF UTILITIES DUE TO FAILURE TO JOINTLY COORDINATE WORK IN COMMON SPACES WILL BE PERFORMED AT NO COST TO THE OWNER.
14. THERE WILL BE WEEKLY CONSTRUCTION PROGRESS/SCHEDULING MEETINGS CONDUCTED BY THE VA COR. ATTENDANCE IS MANDATORY FOR BOTH CONTRACTORS AT EVERY MEETING.
15. ANY DISPUTES, DISAGREEMENTS, ETC. THAT CANNOT BE SUCCESSFULLY RESOLVED BY BOTH CONTRACTORS, WILL BE RESOLVED BY THE VA COR.

**SPECIAL WORKING HOURS:**  
TO MINIMIZE INTERFERENCE WITH ADJACENT SURGERY AREA  
WORKING HOURS ARE RESTRICTED TO 8:00PM - 5:00AM,  
MONDAY THROUGH FRIDAY. WEEKEND WORK IS ACCEPTABLE.  
THE CONTRACTOR SHALL EXPECT 2 EMERGENCY SURGERIES  
PER MONTH THAT WILL CAUSE AN APPROXIMATE WORK  
STOPPAGE OF 4 HRS. PER SURGERY.

#### GENERAL NOTES:

GENERAL CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL SUBCONTRACTORS ARE FAMILIAR WITH THESE NOTES.

1. CONTRACTOR SHALL VERIFY AND FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS PRIOR TO PLACING BID.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD AND NOTIFY COR OF ALL DISCREPANCIES IF ANY, FOUND PRIOR TO PLACEMENT OF ANY COMPONENTS.
3. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS INCLUDING THE BUILDING AND MAINTENANCE OF DUST TIGHT PARTITIONS, DAILY VACUUMING, SWEEPING, AND PROVISION OF CLEAN FLOOR MATS AT THE PROJECT ENTRANCES, TO PREVENT THE INFILTRATION OF DIRT AND DUST FROM THE CONSTRUCTION AREAS INTO THE OWNER OCCUPIED AREAS.
4. PATCH ALL FINISHES WHERE DISTURBED BY THE WORK AND WHERE UNFINISHED SURFACES HAVE BEEN EXPOSED BY DEMOLITION. PATCHING SHALL MATCH ADJACENT MATERIALS, COLORS, AND FINISHES. WALL SURFACES THAT ARE PATCHED SHALL HAVE THE FINISHES (PAINT, VINYL WALL COVERING, ETC.) REPLACED FROM CORNER TO CORNER AND FLOOR TO CEILING.
5. ALL NEW AND EXISTING PENETRATIONS THROUGH THE EXTERIOR WALLS OR ROOF SHALL BE SEALED WATERTIGHT.
6. WHENEVER EXISTING EQUIPMENT, PIPING, DUCTS, ETC., ARE REQUIRED TO BE REMOVED, SUCH REMOVAL SHALL INCLUDE ALL ANCHORS, HANGERS, FOUNDATIONS, ETC., UNLESS NOTED OTHERWISE. AFTER REMOVAL, FLOORS, WALLS, AND CEILINGS SHALL BE FINISHED TO MATCH ADJOINING SURFACES.
7. UTILITY WORK THAT WILL REQUIRE A SHUTDOWN OF EXISTING SERVICE WILL BE DONE AT TIMES OTHER THAN NORMAL WORKING HOURS AT NO ADDITIONAL COST TO THE GOVERNMENT. WORK MUST BE SCHEDULED WITH THE COR, SEE 01 00 00.
8. WORK THAT MUST OCCUR IN OCCUPIED AREAS OF THE MEDICAL CENTER OR DISRUPT A MEDICAL CENTER FUNCTION, WILL BE DONE AT TIMES OTHER THAN NORMAL WORKING HOURS AT NO ADDITIONAL COST TO THE GOVERNMENT. WORK MUST BE SCHEDULED WITH THE COR, SEE 01 00 00.
9. COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS TO ELIMINATE CONFLICTS AND/OR INTERFERENCES. THE CONTRACTOR SHALL PROVIDE ALL OFFSETS, FITTINGS, TRANSITIONS, EXTENSIONS, ETC., REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.
10. DRAWINGS ARE DIAGRAMMATIC AND SHOW ONLY THE GENERAL ARRANGEMENT OF EACH SYSTEM. BECAUSE OF SMALL SCALE OF DRAWINGS IT IS NOT POSSIBLE TO SHOW OR INDICATE ALL BRANCHES, OFFSETS, FITTINGS, BOXES, AND ACCESSORIES WHICH MAY BE REQUIRED. CONTRACTOR MUST CAREFULLY INVESTIGATE STRUCTURAL AND FINISH CONDITIONS AFFECTING ALL WORK, FURNISHING SUCH FITTINGS, TRAPS, VALVES, BOXES, ACCESSORIES, ETC., AS MAY BE REQUIRED.
11. LOCATIONS OF NEW EQUIPMENT, PIPING, AND ASSOCIATED ITEMS ARE SHOWN ON THE DRAWINGS. PRIOR TO COMMENCEMENT OF DEMOLITION OR CONSTRUCTION THE CONTRACTOR SHALL FIELD COORDINATE LOCATIONS AND ELEVATIONS FOR THE WORK. FIELD VERIFICATION INCLUDES VERIFICATION OF CONNECTION POINTS TO EXISTING WORK, REQUIRED OFFSETS, FITTINGS, TRANSITIONS, EXTENSIONS, ETC. TO HAVE A COMPLETE AND FUNCTIONAL SYSTEM ARE INCLUDED IN THE SCOPE OF THE WORK. NOTIFY THE CONTRACTING OFFICER'S REPRESENTATIVE IMMEDIATELY IF SIGNIFICANT DISCREPANCIES OR OMISSIONS ARE DISCOVERED THAT AFFECT PERFORMANCE OF THE WORK. REFER TO ME&P DRAWINGS AND SPECIFICATIONS FOR MORE INFORMATION.
12. ALL EXISTING ELECTRICAL OR MECHANICAL PIPING, CABLE TRAYS, ETC., IS NOT NECESSARILY SHOWN ON THE DRAWINGS. PRIOR TO ANY DEMOLITION AND CONSTRUCTION WORK, THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING EQUIPMENT, DUCTWORK, PIPING, ETC. AND REPORT ANY DISCREPANCIES TO THE VA COR.
13. CONTRACTOR SHALL NOT INSTALL CONDUIT, PIPING OR OTHER OBSTRUCTIONS UNDER OR ADJACENT TO HVAC EQUIPMENT THAT WILL ELIMINATE OR OBSTRUCT ACCESS TO COILS, MOTORS, VALVES, SWITCHES, PANELS, ETC.
14. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING ACCESS DOORS TO CONSTRUCTION AREAS, EXISTING MECHANICAL AND ELECTRICAL AREAS, ASSIGNED STORAGE AREAS, EQUIPMENT ACCESS AREAS, ETC. DOORS MUST BE RESTORED TO THE CONDITION ENCOUNTERED AT BEGINNING OF PROJECT. THIS INCLUDES DOOR REPLACEMENT, HARDWARE REPLACEMENT, HARDWARE REPAIR, DOOR REPAIR, ETC.
15. THERE IS NO CONTRACTOR PARKING ON HOSPITAL PROPERTY AT THE JOHN COCHRAN JCD DIVISION BOUNDED BY GRAND, ENRIGHT, SPRING AND BELL AVENUES. CONTRACTOR PARKING IS ALLOWED IN MARKED SPACES IN THE VA LOT ACROSS GRAND FROM THE MEDICAL CENTER. CONTRACTOR MAY LOAD AND UNLOAD MATERIALS IN UNRESTRICTED AREAS ONLY.
16. CONTRACTOR MUST PROVIDE HIS OWN EQUIPMENT FOR MOVING OF MATERIALS, EQUIPMENT AND TRASH. THIS INCLUDES CARTS FOR REMOVAL OF DEMOLITION MATERIALS, PALLET JACKS FOR EQUIPMENT MOVING, TWO OR FOUR WHEEL CARTS FOR EQUIPMENT TRANSFER, ETC. CONTRACTOR MAY NOT BORROW VA OWNED EQUIPMENT FOR THIS PURPOSE.
17. SEVERE NOISE PRODUCING WORK WILL NOT BE ALLOWED DURING NORMAL WORKING HOURS AND MUST BE SCHEDULED WITH THE COR FOR OTHER TIMES. THIS INCLUDES JACK HAMMERING CONCRETE, SAW CUTTING CONCRETE, REPETITIVE HAMMER DRILLING OF CONCRETE, ETC.
18. THE VA DOES NOT PROVIDE PHONES FOR THE CONTRACTOR'S USE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COVER THE COSTS OF THE INSTALLATION OF A TEMPORARY LAND LINE PHONE. THE CONTRACTOR SHALL CONTACT THE PHONE COMPANY TO HAVE THIS PHONE INSTALLED.
19. ALL COMMUNICATIONS AND CONTROL CABLING SHALL BE PLENUM RATED UNLESS OTHERWISE NOTED.
20. ALL EXISTING CONDUIT AND WIRING MADE ABANDONED BY THIS PROJECT OR FOUND TO BE ABANDONED DURING DEMOLITION SHALL BE REMOVED.
21. ALL CONTRACTOR'S PERSONNEL WHO PLAN TO WORK ON SITE MUST GET AN I.D. BADGE FROM THE VA POLICE OFFICE, FIRST FLOOR OF BUILDING 1. PRIOR TO THIS, THE CONTRACTOR MUST SUPPLY THE COR WITH A LIST OF ALL NAMES OF ANYONE WHO MAY WORK ON SITE ON THIS PROJECT SO THE COR CAN GIVE THESE NAMES TO THE VA POLICE.
22. THERE WILL BE ONLY ONE DUMPSTER LOCATION. THIS DUMPSTER WILL BE SHARED BY ALL, WITH ALL PAYING THEIR PROPORTIONATE SHARE OF THE DUMPSTER FEES. OTHER LOCATIONS MAY BE CONSIDERED, BUT MUST BE APPROVED BY THE COR AND SAFETY MANAGER.
23. IF THE PROJECT AREA INCLUDES EXISTING EQUIPMENT, SURFACES, FINISHES, MATERIALS, ETC., NOT TO BE REMOVED, THE CONTRACTOR MUST PROTECT THIS EQUIPMENT FROM DUST, DEBRIS, DAMAGE, ETC. THE CONTRACTOR MUST ALSO CLEAN THESE ITEMS/SURFACES TO THE ORIGINAL CONDITION FOUND AT THE START OF THE PROJECT PRIOR TO FINAL INSPECTION.
24. XAC-5, 6, 37, 38, AND 10 ARE TO BE REMOVED THROUGH EXISTING LOUVER, CRANE WORK AND FLAT BED TRUCK STAGING AND HOISTING OF EXISTING AND NEW EQUIPMENT SHALL BE PERFORMED ON WEEKENDS DURING DAYLIGHT HOURS.
25. CONTRACTOR PARKING IS ALLOWED IN THE VA LOT OPPOSITE THE HOSPITAL AT THE CORNER OF GRAND BLVD. AND DELMAR AVE. THE CONTRACTOR MAY PARK ALONG THE FENCE THAT BORDERS DELMAR OR ANY AREA MARKED FOR CONTRACTOR PARKING. THERE IS NO OTHER CONTRACTOR PARKING ALLOWED ON VA PROPERTY.
26. CONTRACTOR MAY LOAD AND UNLOAD MATERIALS IN UNRESTRICTED AREAS ONLY, AND CANNOT LEAVE A VEHICLE UNATTENDED.
27. FOR DOORS BEING REPLACED AND WALLS WITHIN A CONSTRUCTION AREA, CAREFULLY REMOVE SIGNAGE, ROOM NUMBERS, ARTWORK, ETC., UNATTENDED WHERE THEY ARE ACCESSIBLE TO PATIENTS, STAFF, VISITORS, ETC. DAMAGED SIGNAGE, ARTWORK, ETC., SHALL BE REPLACED WITH NEW. VA INTERIOR DESIGNER AND COR SHALL IDENTIFY LOCATIONS FOR REINSTALLATION.
28. WHEN WORKING IN OCCUPIED AREAS OF THE MEDICAL CENTER THE CONTRACTOR CANNOT LEAVE TOOLS, EQUIPMENT, LADDERS, ETC., UNATTENDED WHERE THEY ARE ACCESSIBLE TO PATIENTS, STAFF, VISITORS, ETC. CEILING TILES AND CEILING ACCESS PANELS MUST ALSO BE REPLACED WHEN UNATTENDED, FOR SAFETY AND INFECTION PREVENTION REASONS.
29. THE CONTRACTOR IS MADE AWARE THAT THERE IS NO STORAGE AREAS AVAILABLE FOR THE CONTRACTOR'S USE AT THE MEDICAL CENTER, EXCEPT FOR THE CONTRACTOR'S WORK AREA.



#### BUILDING SCHEDULE

- |    |  |
|----|--|
| 1  | MAIN HOSPITAL & CLINICAL ADDITION          |
| 1A | EMERGENCY GENERATOR VAULT                  |
| 2  | EDUCATION, MEDICAL MEDIA, CHAPEL, RESEARCH |
| 3  | D.H.C.P., HYPERTENSION                     |
| 4  | ENGINEERING, A.F.G.E., H.B.H.C.            |
| 5  | DRUG DEPENDANCE TREATMENT UNIT             |
| 6  | RESEARCH                                   |
| 6A | RESEARCH                                   |
| 7  | RESEARCH                                   |
| 7A | RESEARCH                                   |
| 8  | BOILER PLANT                               |
| 8A | CHILLER PLANT                              |
| 8B | GENERATOR                                  |
| 14 | GARAGE                                     |



#### BID DOCUMENTS

Revisions:	Date
AS AMENDMENT A0003	06/01/16

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#### Drawing Title

COVER SHEET

Approved: Associate Director

Approved: Chief of Staff

Approved: Infection Control

Approved: Chief Engineer

Approved: Safety Officer

Approved: Chief, Police & Security

#### Project Title

FCA-Upgrade Air Handling Units/Systems

Approved: Chief Engineer

Approved: Safety Officer

Approved: Chief, Police & Security

#### Project Number

657-15-101JC

Building Number

01

Drawing Number

1-2BI-GC-001

Veterans  
Health  
Administration

