



Department of VETERANS AFFAIRS

VA MEDICAL CENTER RICHMOND, VIRGINIA

LOADING DOCK ACCESS CONTROL

ARCHITECT:

RGG ARCHITECTS, PLLC
DURHAM, NORTH CAROLINA

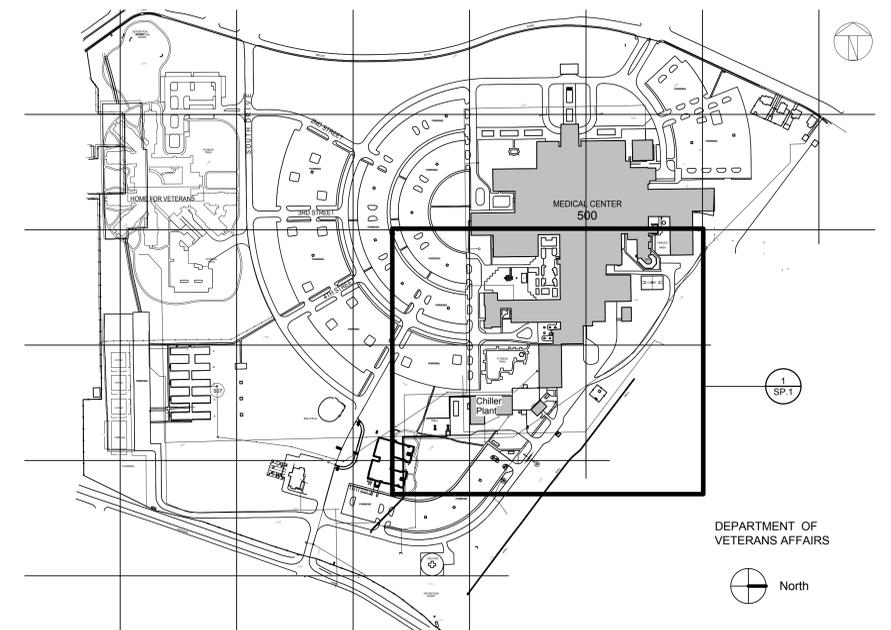
PME ENGINEER:

EDMONDSON ENGINEERS, P.A.
DURHAM, NORTH CAROLINA

GENERAL NOTES:

- CONTRACTOR MUST OBTAIN HOT WORK PERMITS DAILY FOR WELDING, SOLDERING, TORCH CUTTING AND BURNING FROM THE VA MEDICAL CENTER FIRE & SAFETY OFFICE BEFORE BEGINNING WORK OF THIS TYPE. FIRE WATCH IS REQUIRED. CONTRACTOR TO FURNISH FIRE EXTINGUISHERS.
- NO SMOKING EXCEPT IN DESIGNATED AREAS OUTSIDE OF BLDG.
- ALL DIMENSIONS SHALL BE VERIFIED CAREFULLY AND ANY DISCREPANCIES BROUGHT TO THE IMMEDIATE ATTENTION OF THE VA CHIEF ENGINEER.
- GENERAL CONTRACTOR SHALL PROTECT EXISTING CORRIDORS, ELEVATORS, DOORS, ETC. AND REPAIR ANY DAMAGE RESULTING FROM RENOVATION, DEMOLITION OR TRANSPORTATION OF MATERIALS ASSOCIATED WITH THIS PROJECT.
- ANY CEILING TILE, GRID SYSTEM, LIGHT FIXTURE, AIR GRILLES, ETC. REMOVED BY THE CONTRACTOR TO FACILITATE THE WORK SHALL BE REPLACED IN THE ORIGINAL CONDITION AT THE CONCLUSION OF THE WORK. THIS IS IN AREAS EITHER ADJACENT TO THE PROJECT AND/OR IN AREAS WHERE THERE IS NO CEILING.
- NOTIFY THE VA CHIEF ENGINEER PRIOR TO ANY CORE DRILLING. THIS MUST BE SCHEDULED 7 DAYS IN ADVANCE.
- WOOD BLOCKING IS NOT ACCEPTABLE AS A SUBSTITUTE FOR SHEET METAL BLOCKING.
- WHEN REPAIRING WALLS, MATCH EXISTING CONDITIONS, UNLESS OTHERWISE NOTED.
- THE VA CHIEF ENGINEER SHALL BE GIVEN THREE WEEKS NOTICE, IN WRITING, BEFORE ANY UTILITY SYSTEM SHUTDOWN IS REQUIRED.
- REPAIR OR REPLACE ALL PROPERTY OF THE OWNER DAMAGED BY CONSTRUCTION, INCLUDING BUT NOT LIMITED TO: EQUIPMENT, FLOORS, BASES, CEILING TILES, AND WALLS.
- IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IMMEDIATELY REPAIR ANY DAMAGED FIRE SPRINKLER PIPING DURING DEMOLITION AND CONSTRUCTION.
- TEMPORARY LIGHTING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR DURING DEMOLITION AND CONSTRUCTION.
- THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE FOR ASSISTANCE AND GUIDANCE, BUT EXACT LOCATIONS, DISTANCES, LEVELS, QUANTITIES SHALL BE GOVERNED BY ACTUAL CONDITIONS FOUND AT THE JOB SITE AND MUST BE VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND BECOME FAMILIAR WITH ALL AREAS OF THE EXISTING BUILDING AFFECTED BY THE WORK, PRIOR TO COMMENCING THE WORK.
- CONTRACTOR SHALL LEGALLY REMOVE AND DISPOSE OF ALL DEBRIS.

LIST OF DRAWINGS	
ARCHITECTURAL	
T.1	TITLE SHEET, LIST OF DRAWINGS, & SITE PLAN
SITE WORK	
SP.1	OVERALL SITE PLAN
SP.2	ENLARGED PLANS AND FENCE AND GATE DETAILS
ARCHITECTURAL	
A.1	BLDG. 500 - BASEMENT PLAN AND BLDG. 501 CHILLER PLANT FLOOR PLAN
A.2	BLDG. 500 - BASEMENT PLAN - ACCESS DOOR AREAS
A.3	BLDG. 501 - CHILLER PLANT FLOOR PLAN
ELECTRICAL SITE PLAN	
ES.1	ELECTRICAL SITE PLAN
ELECTRICAL	
E.1	ELECTRICAL PLANS - EAST
E.2	ELECTRICAL PLANS - WEST
E.3	ENLARGED ELECTRICAL PLANS
E.4	ELECTRICAL SCHEDULES AND DETAILS
E.5	FIRE PENETRATION DETAILS

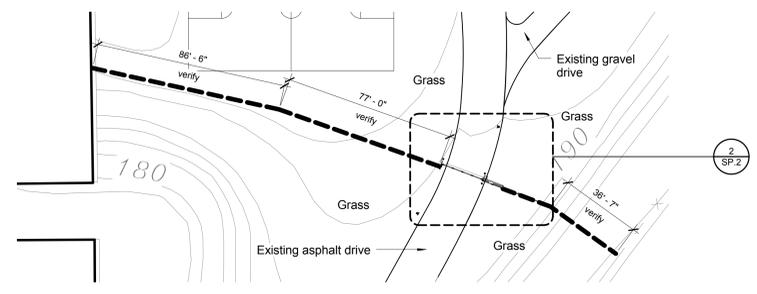
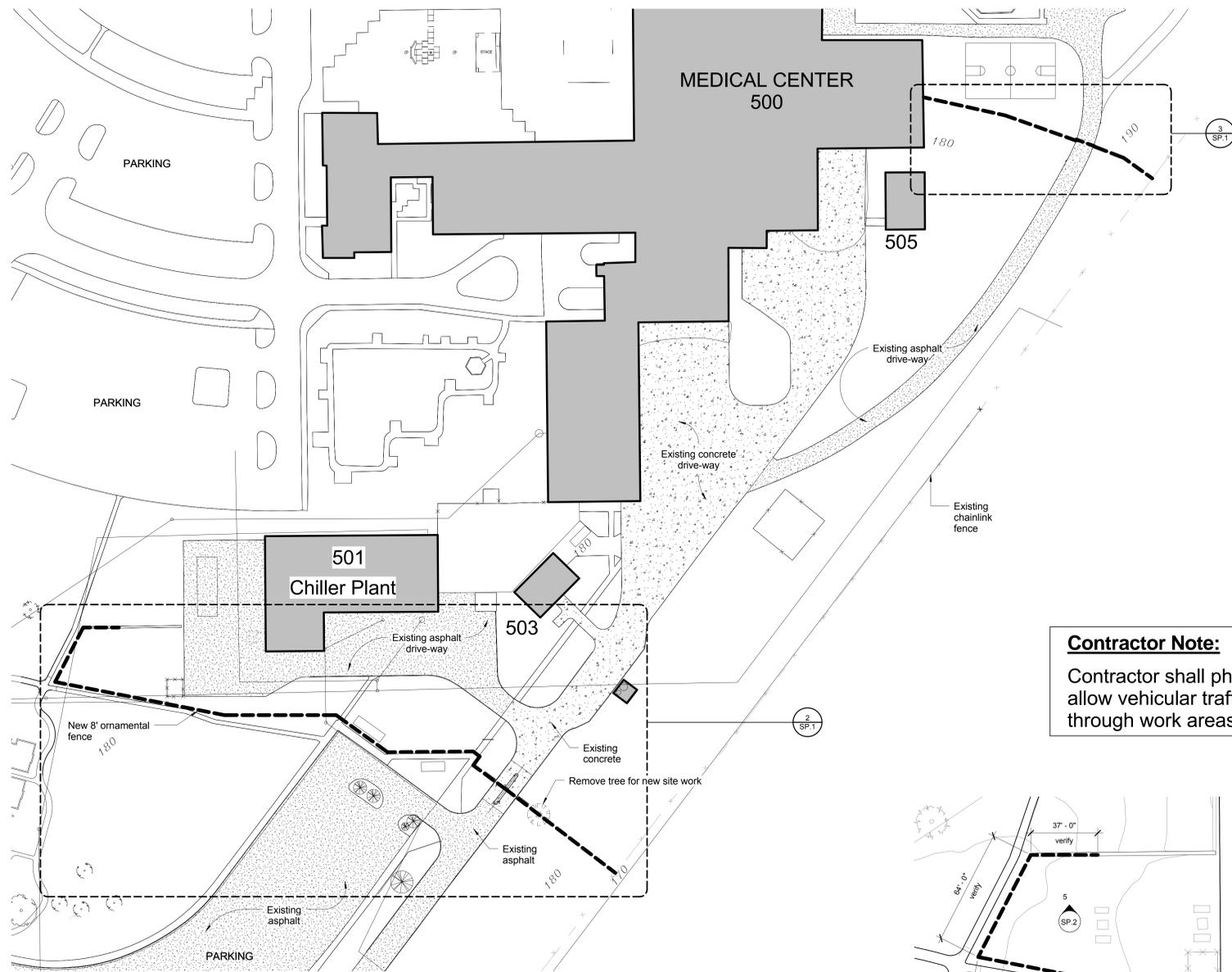


DEPARTMENT OF
VETERANS AFFAIRS



CONSTRUCTION DOCUMENTS
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		<p>RGG Architects, PLLC 1002 Broad Street Durham, North Carolina 27705 919.286.5700 www.rggarchitects.com</p>	<p>Requestor: _____ Date: _____ Chief of Staff: _____ Date: _____</p>	<p>Drawing Title: TITLE SHEET, LIST OF DRAWINGS, & SITE PLAN</p>	<p>Project Title: LOADING DOCK ACCESS CONTROL</p>	<p>Date: 02/24/2014</p>
			<p>Approved By: _____ Date: _____ MEDICAL CENTER DIRECTOR</p>	<p>Approved: Chief, Engineering Service _____ Date: _____</p>	<p>Building No. 500 Designed By: RGG Drawn By: RQA Checked By: RGG</p>	<p>Project No. 652-13-106 Project Drawing No. 13-E-XXX DRAWING NO. T.1 Sheet 1 of 12</p>

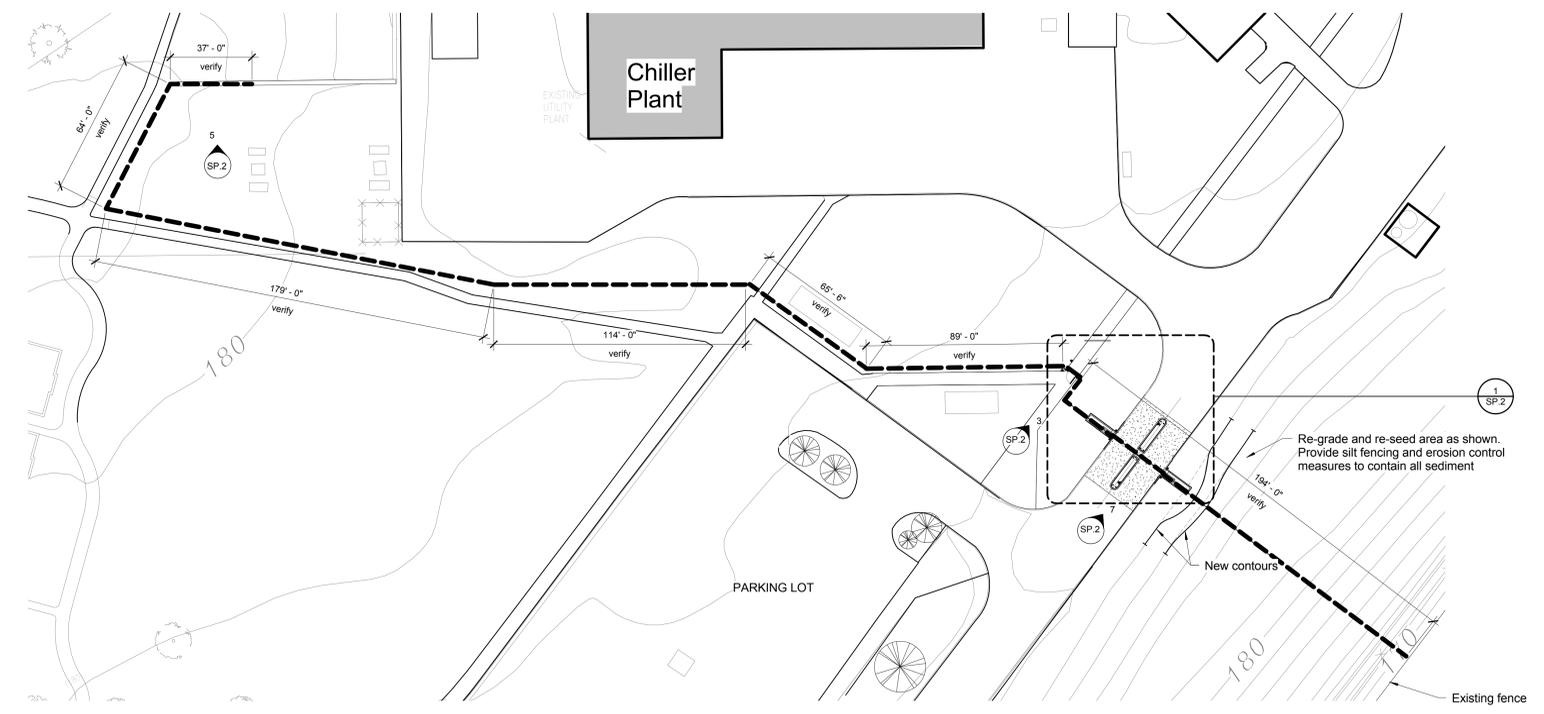


3 Large Scale Single Gate Entryway (No. 2)
SP.1 1/32" = 1'-0"

Contractor Note:
Contractor shall phase work to allow vehicular traffic to pass through work areas at all times.

514

1 Richmond VAMC - SITE PLAN
SP.1 1" = 60'-0"



2 Large Scale Dual Gate Entryway (No. 1)
SP.1 1/32" = 1'-0"

Fence Legend
--- Steel ornamental fencing - see drawings and specifications

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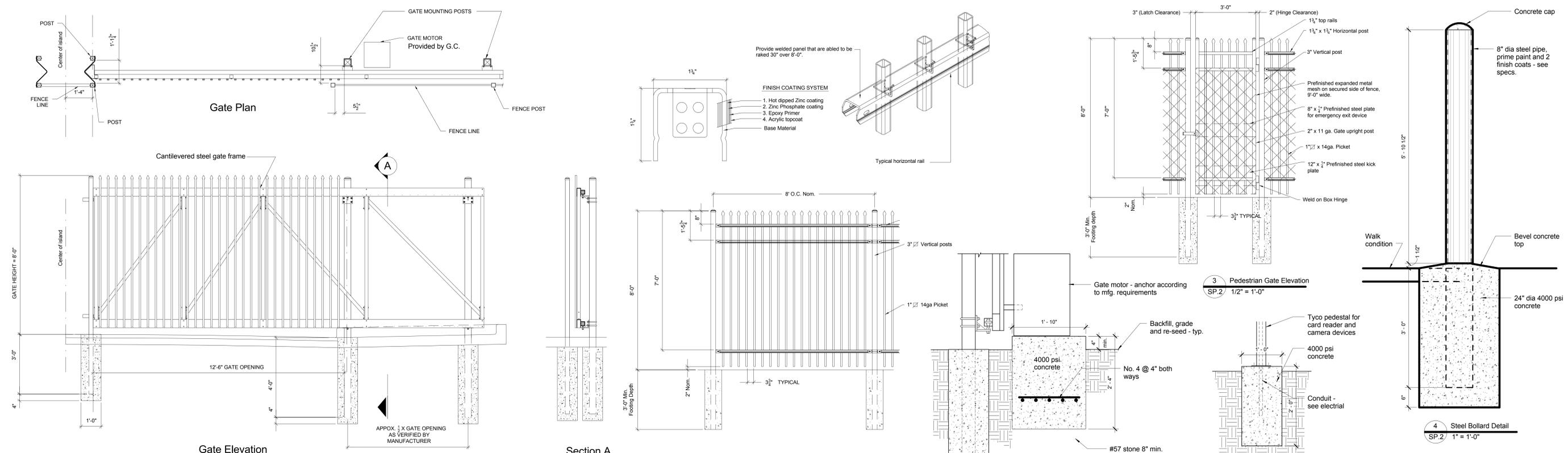
REV.	DATE	DESCRIPTION
RECOMMENDED APPROVAL		
Requestor:	Date	Chief of Staff:
Chief of Service:	Date	Asst. Med. Ctr. Dir.:
APPROVED BY:	Date	
MEDICAL CENTER DIRECTOR		

Drawing Title:	OVERALL SITE PLAN
Requestor:	Chief, Engineering Service
Approved:	Infection Control

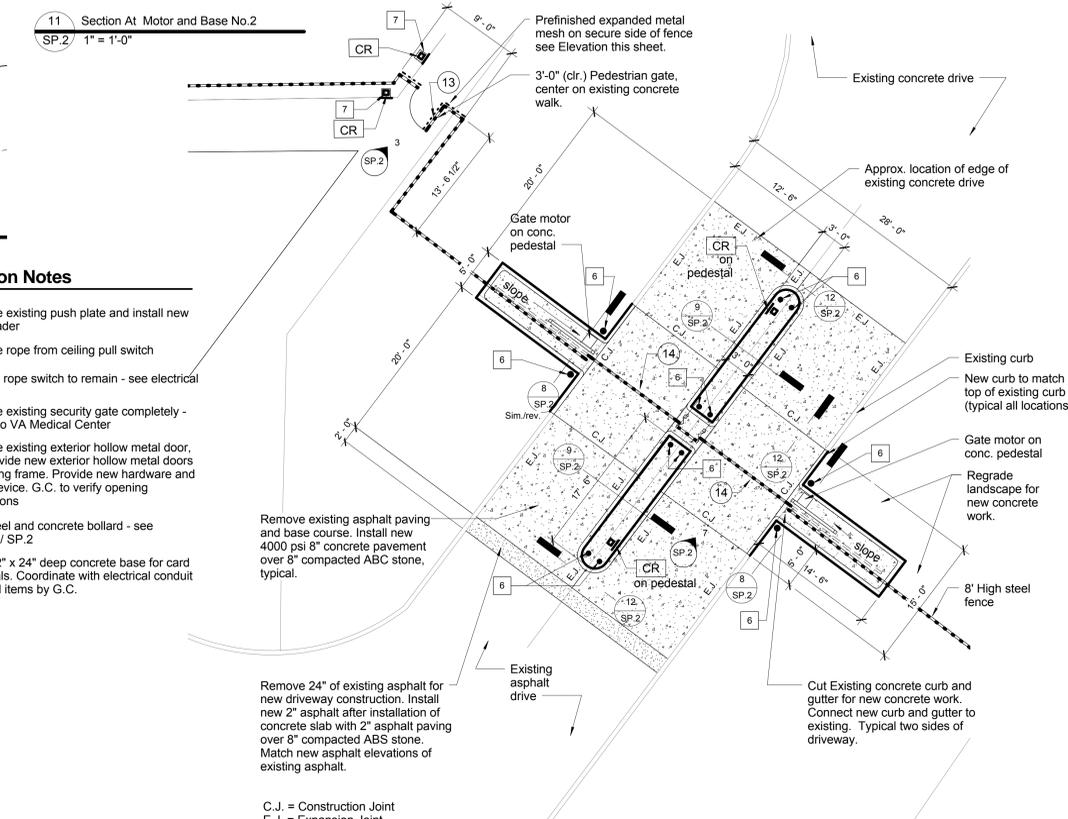
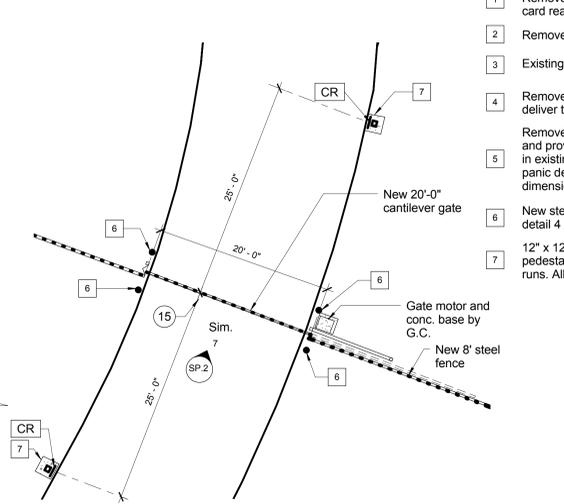
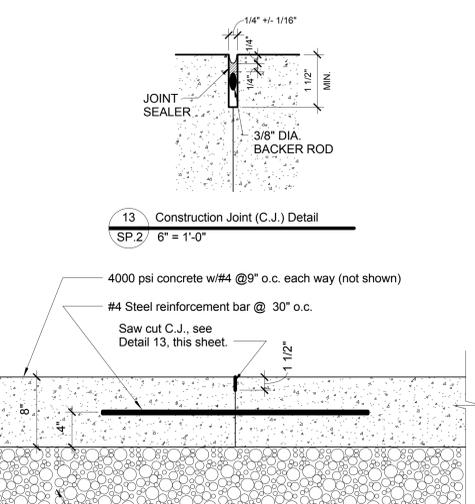
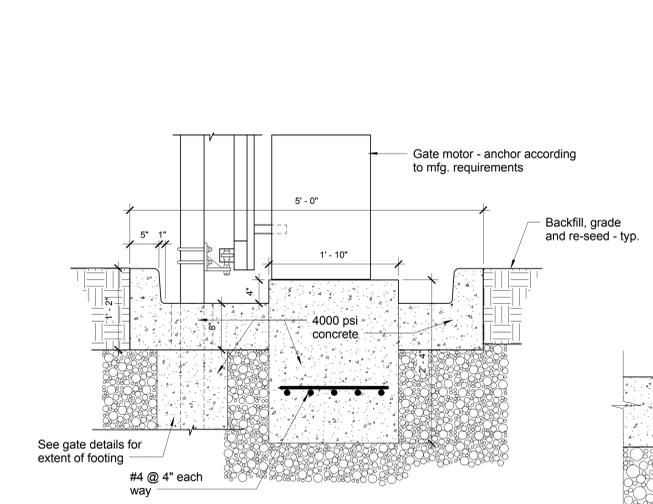
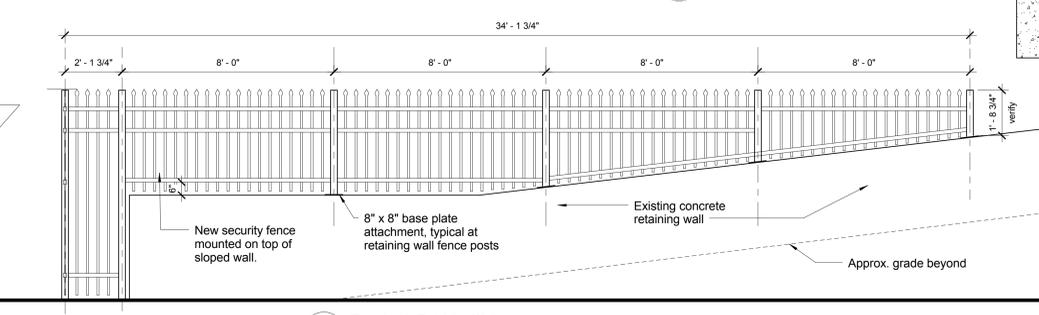
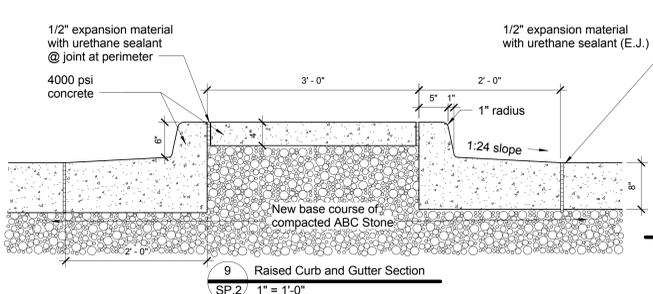
Project Title:	LOADING DOCK ACCESS CONTROL
Building No.:	500
Designed By:	RG
Drawn By:	RQA
Checked By:	RG
Location:	VA Medical Center Richmond, VA

Date:	02/24/2014
Project No.:	652-13-106
Project Drawing No.:	13-E-XXX
DRAWING NO.:	SP.1
Sheet:	2 of 12





NOTES:
 1. For Dual Gate Entryway, two gates required (one to be mirror image of one shown).
 2. For Single Gate Entryway, length to be 20'-0".



- Renovation Notes**
- Remove existing push plate and install new card reader
 - Remove rope from ceiling pull switch
 - Existing rope switch to remain - see electrical
 - Remove existing security gate completely - deliver to VA Medical Center
 - Remove existing exterior hollow metal door, and provide new exterior hollow metal doors in existing frame. Provide new hardware and panic device. G.C. to verify opening dimensions
 - New steel and concrete bollard - see detail 4 / SP.2
 - 12" x 12" x 24" deep concrete base for card pedestals. Coordinate with electrical conduit runs. All items by G.C.

Remove existing asphalt paving and base course. Install new 4000 psi 8" concrete pavement over 8" compacted ABC stone, typical.

Remove 24" of existing asphalt for new driveway construction. Install new 2" asphalt after installation of concrete slab with 2" asphalt paving over 8" compacted ABC stone. Match new asphalt elevations of existing asphalt.

C.J. = Construction Joint
 E.J. = Expansion Joint

7 Gate Details SP.2 1/2" = 1'-0"
6 Typical Fence Elevation SP.2 1/2" = 1'-0"
3 Pedestrian Gate Elevation SP.2 1/2" = 1'-0"
4 Steel Bollard Detail SP.2 1" = 1'-0"
11 Section At Motor and Base No.2 SP.2 1" = 1'-0"
10 Detail @ Card Pedestal SP.2 1" = 1'-0"
9 Raised Curb and Gutter Section SP.2 1" = 1'-0"
5 Elevation At Retaining Wall SP.2 3/8" = 1'-0"
13 Construction Joint (C.J.) Detail SP.2 6" = 1'-0"
8 Section At Gate Motor and Curbing SP.2 1" = 1'-0"
12 Longitudinal Construction Joint (C.J.) SP.2 1 1/2" = 1'-0"
2 Single Gate No. 2 Entryway Detail SP.2 1/8" = 1'-0"
1 Dual Gate No. 1 - Entryway Detail SP.2 1/8" = 1'-0"

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 Durham, North Carolina 27705
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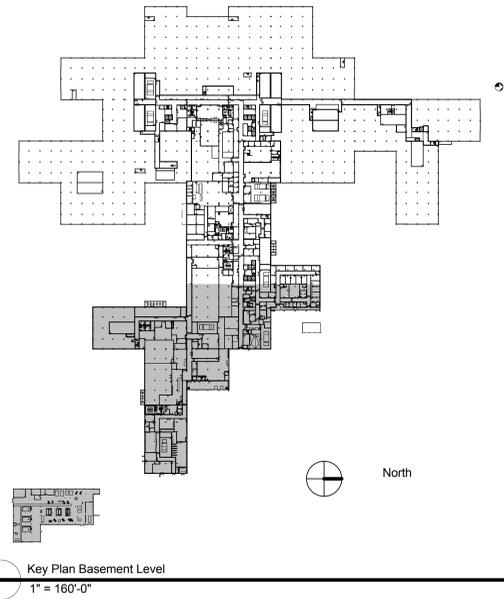
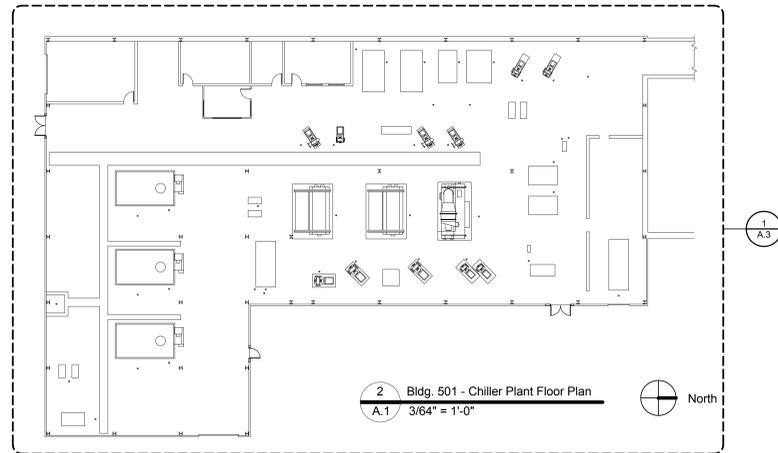
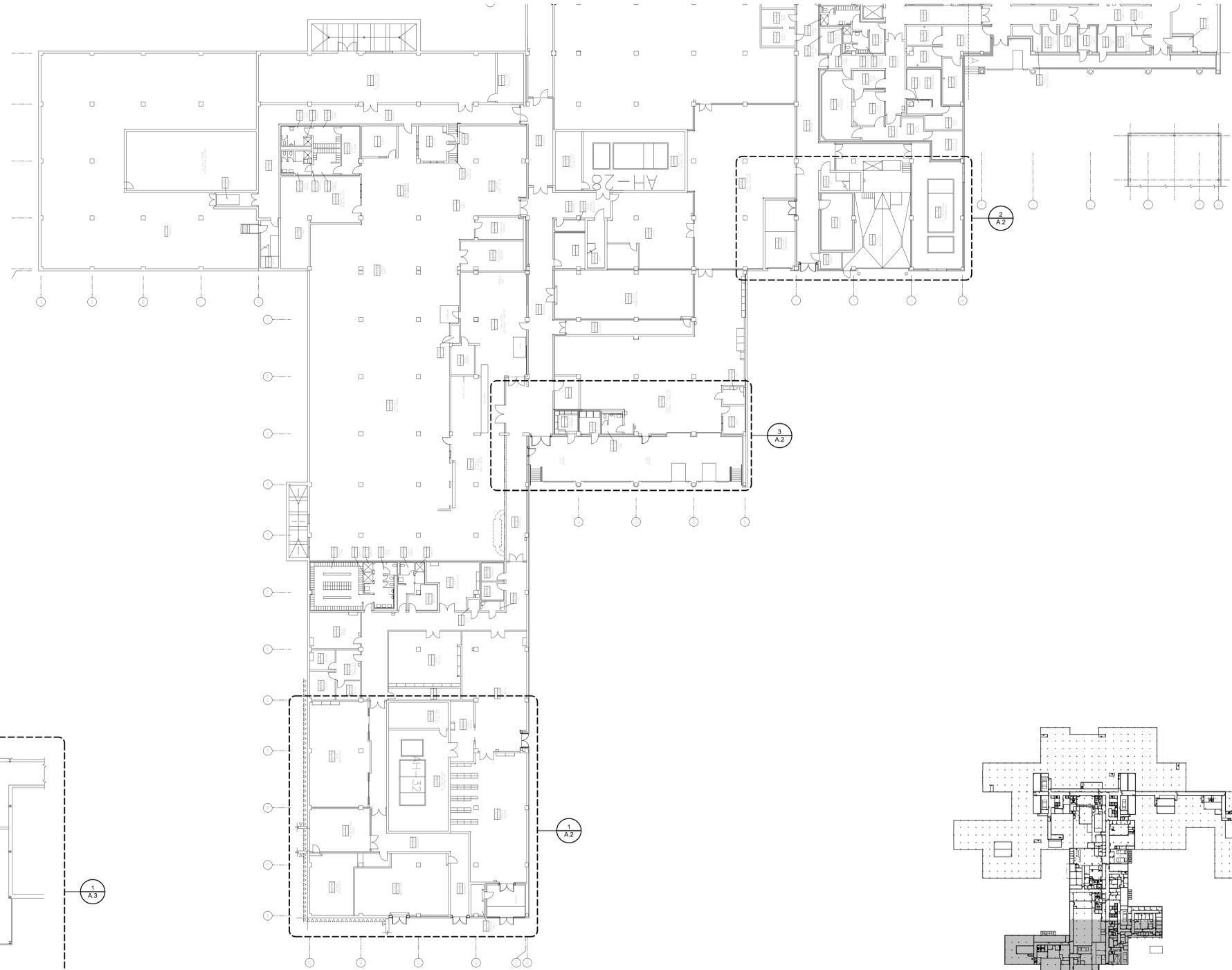
REV.	DATE	DESCRIPTION

Requestor: _____ Date: _____ Chief of Staff: _____ Date: _____
 Chief of Service: _____ Date: _____ Asst. Mgr. Clr. Dir: _____ Date: _____
 APPROVED BY: _____ Date: _____
 MEDICAL CENTER DIRECTOR

Drawing Title: ENLARGED PLANS AND FENCE AND GATE DETAILS
 Project Title: LOADING DOCK ACCESS CONTROL
 Building No: 500
 Designed By: RGG
 Drawn By: RGA
 Checked By: RGG
 Location: VA Medical Center Richmond, VA

Date: 02/24/2014
 Project No: 652-13-106
 Project Drawing No: 13-E-XXX
 DRAWING NO. **SP.2**
 Sheet 3 of 12





2 Bldg. 501 - Chiller Plant Floor Plan
A.1 3/64" = 1'-0"

1 Bldg. 500 - Basement Plan
A.1 3/64" = 1'-0"

Key Plan Basement Level
1" = 160'-0"

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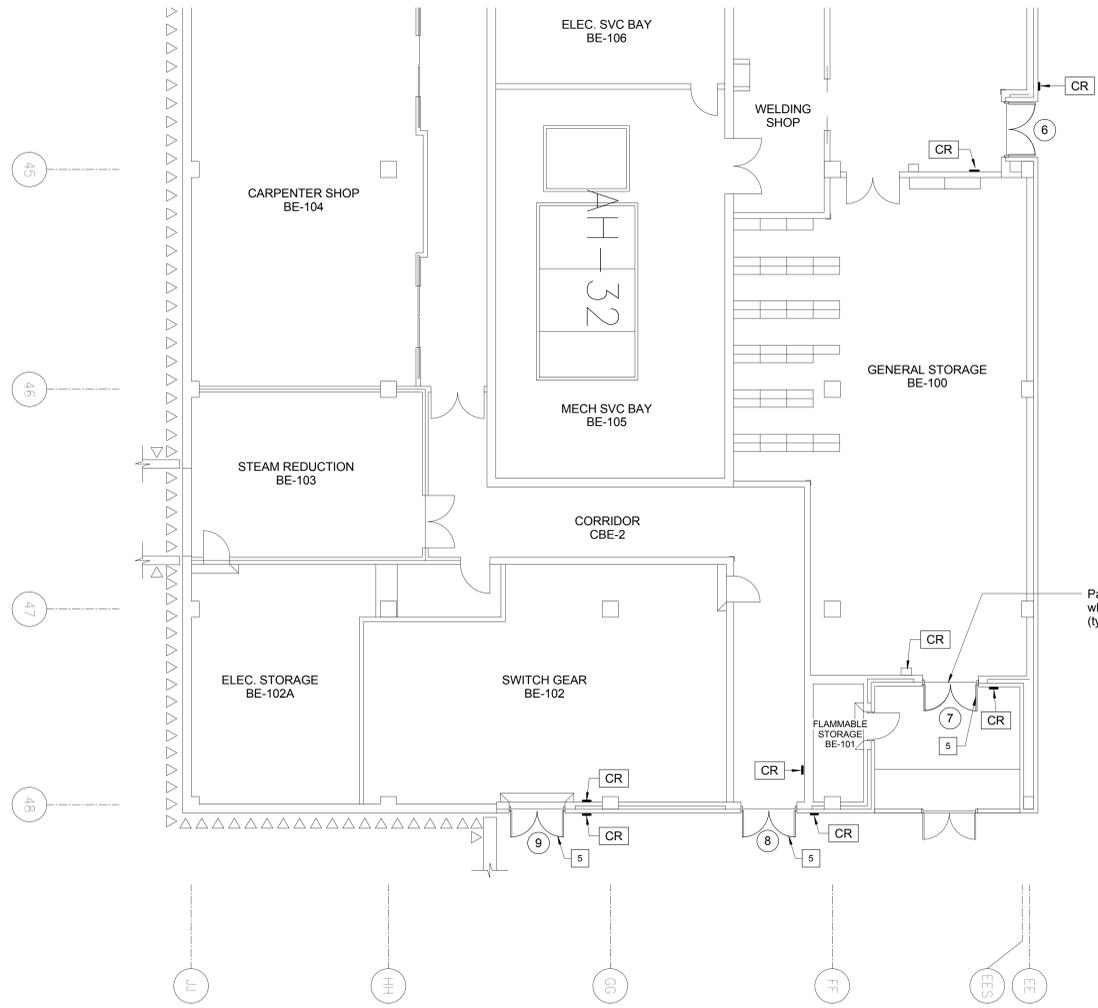
REV.	DATE	DESCRIPTION
RECOMMENDED APPROVAL		
Requestor:	Date	Chief of Staff:
Chief of Service:	Date	Asst. Med. Ctr. Dir.:
APPROVED BY:	Date	
MEDICAL CENTER DIRECTOR		

Drawing Title:	BLDG. 500 - BASEMENT PLAN AND BLDG. 501 CHILLER PLANT FLOOR PLAN
Approved: Chief, Engineering Service	
Approved: Infection Control	

Project Title:	LOADING DOCK ACCESS CONTROL
Building No.:	500
Designed By:	RGG
Drawn By:	MML
Checked By:	RGG
Location:	VA Medical Center Richmond, VA

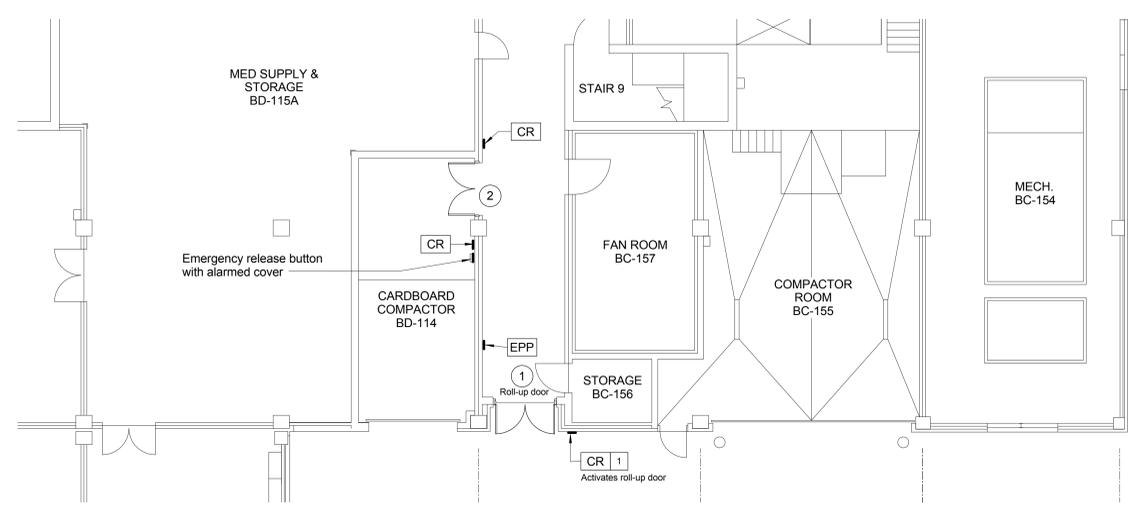
Date:	02/24/2014
Project No.:	652-13-106
Project Drawing No.:	13-E-XXX
DRAWING NO.:	A.1
Sheet:	4 of 12





1 Bldg. 500 - Basement Plan
A.2 1/8" = 1'-0"

Patch HM door and frame where devices are removed (typical all locations)



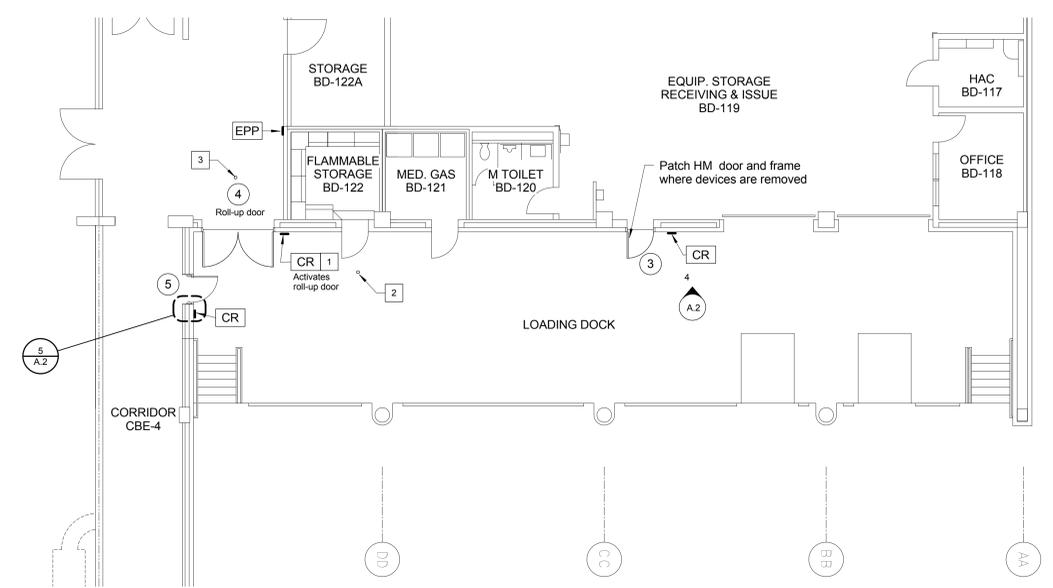
2 Bldg. 500 - Basement Plan
A.2 1/8" = 1'-0"

Door Mark Legend

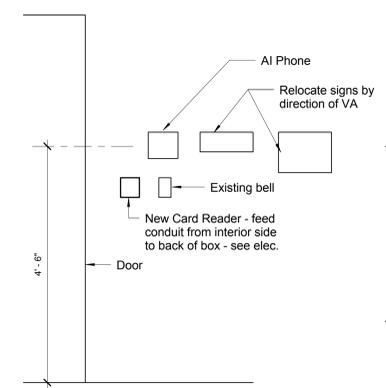
- (X) Door Mark. See Door Schedule for extent of work required at door. Also refer to "Door Security Schedule" on sheet ES.1.
- CR New Card Reader location. See Electrical Door Security Schedule for type and functions required.
- EPP Existing push plate to remain.
- PP New push plate.

Renovation Notes

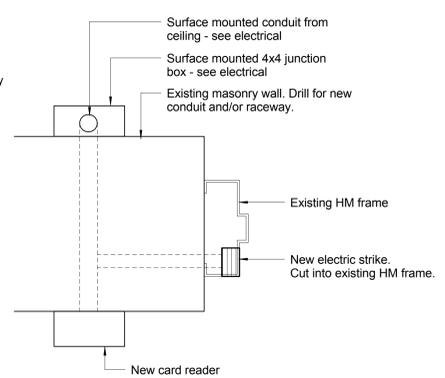
- 1 Remove existing push plate and install new card reader
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- 3 Existing rope switch to remain - see electrical
- 4 Remove existing security gate completely - deliver to VA Medical Center
- 5 Remove existing exterior hollow metal door, and provide new exterior hollow metal doors in existing frame. Provide new hardware and panic device. G.C. to verify opening dimensions
- 6 New steel and concrete bollard - see detail 4 / SP.2
- 7 12" x 12" x 24" deep concrete base for card pedestals. Coordinate with electrical conduit runs. All items by G.C.



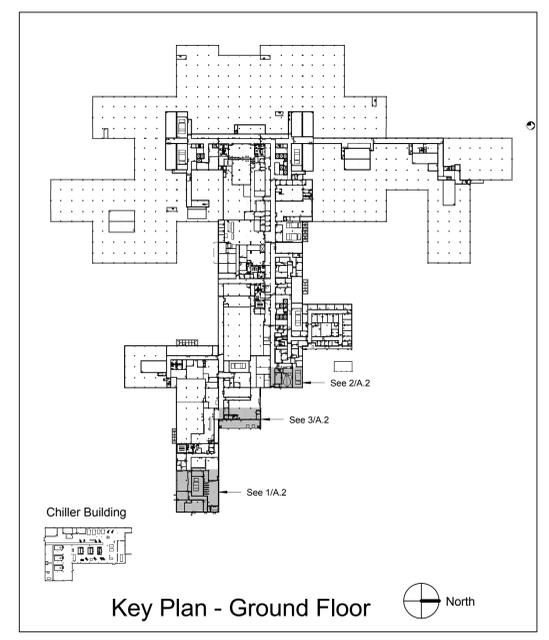
3 Bldg. 500 - Basement Plan @ Loading Dock
A.2 1/8" = 1'-0"



4 Elevation @ Loading Dock
A.2 3/4" = 1'-0"



5 Plan Detail @ Door 5
A.2 3" = 1'-0"



Key Plan - Ground Floor

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REV.	DATE	DESCRIPTION

RECOMMENDED APPROVAL

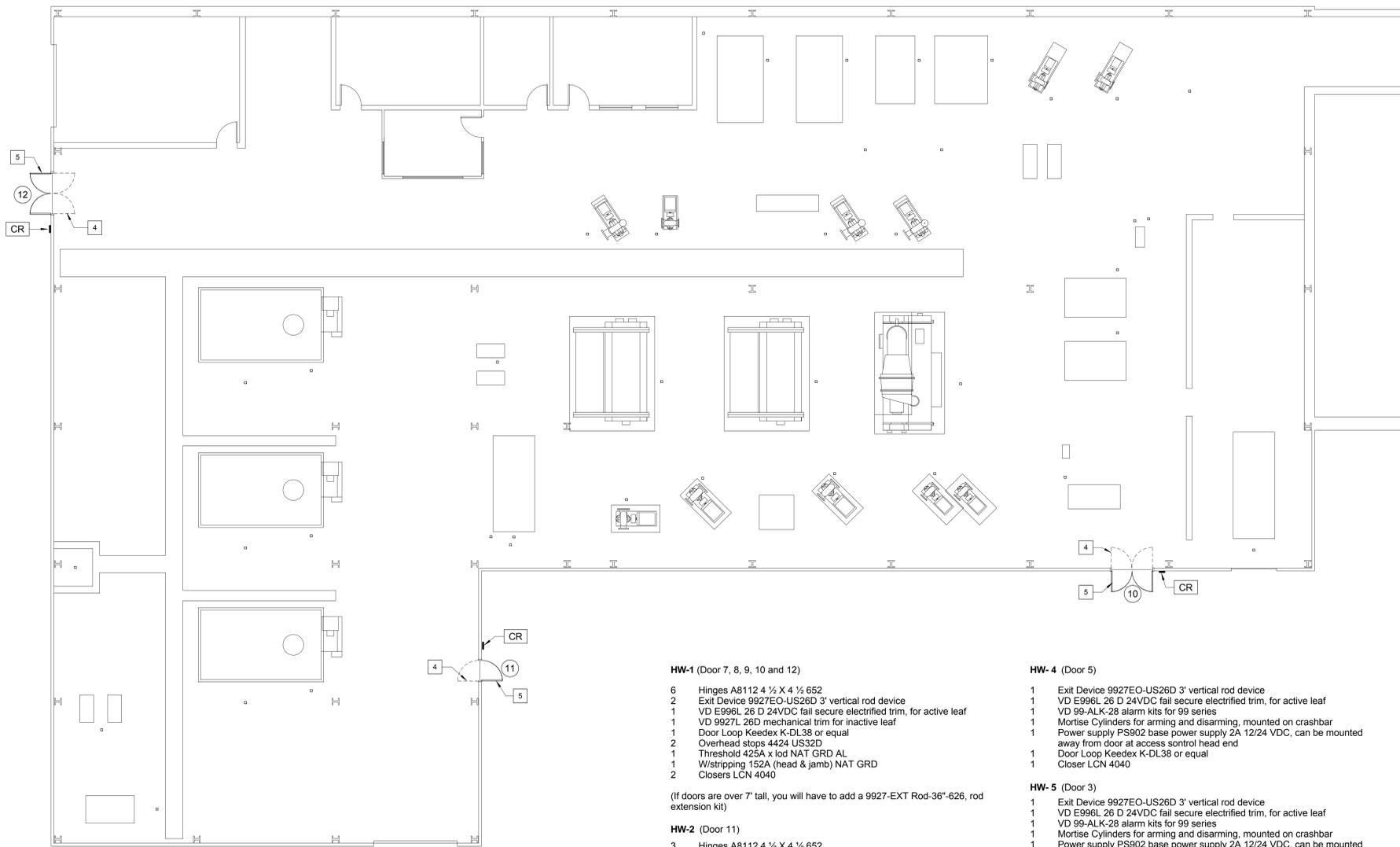
Requestor:	Date:	Chief of Staff:	Date:
Chief of Service:	Date:	Asst. Med. Cr. Dir.:	Date:

APPROVED BY: MEDICAL CENTER DIRECTOR

Drawing Title:	BLDG. 500 - BASEMENT PLAN - ACCESS DOOR AREAS
Project Title:	LOADING DOCK ACCESS CONTROL
Building No.:	500
Designed By:	RGG
Drawn By:	MML
Checked By:	RGG
Location:	VA Medical Center Richmond, VA

Date:	02/24/2014
Project No.:	652-13-106
Project Drawing No.:	13-E-XXX
DRAWING NO.:	A.2
Sheet:	5 of 12





1 Bldg. 501 - Chiller Plant Floor Plan
A.3 1/8" = 1'-0"

HW-1 (Door 7, 8, 9, 10 and 12)

- 6 Hinges A8112 4 1/2 X 4 1/2 652
- 2 Exit Device 9927EO-US26D 3' vertical rod device
- 1 VD E996L 26 D 24VDC fail secure electrified trim, for active leaf
- 1 VD 9927L 26D mechanical trim for inactive leaf
- 1 Door Loop Keedex K-DL38 or equal
- 2 Overhead stops 4424 US32D
- 1 Threshold 425A x lod NAT GRD AL
- 1 W/stripping 152A (head & jamb) NAT GRD
- 2 Closers LCN 4040

(If doors are over 7' tall, you will have to add a 9927-EXT Rod-36"-626, rod extension kit)

HW-2 (Door 11)

- 3 Hinges A8112 4 1/2 X 4 1/2 652
- 1 Exit Device 9927EO-US26D 3' vertical rod device
- 1 VD E996L 26 D 24VDC fail secure electrified trim, for active leaf
- 1 Door Loop Keedex K-DL38 or equal
- 1 Overhead stops 4424 US32D
- 1 Threshold 425A x lod NAT GRD AL
- 1 W/stripping 152A (head & jamb) NAT GRD
- 1 Closer LCN 4040

HW-3 (Door 6)

- 2 Exit Device 9927EO-US26D 3' vertical rod device
- 1 VD E996L 26 D 24VDC fail secure electrified trim, for active leaf
- 1 VD 9927L 26D mechanical trim for inactive leaf
- 2 VD 99-ALK-28 alarm kits for 99 series
- 2 Mortise Cylinders for arming and disarming, mounted on crashbar
- 1 Power supply PS902 base power supply 2A 12/24 VDC, can be mounted away from door at access control head end
- 2 Door Loop Keedex K-DL38 or equal
- 1 Threshold 425A x lod NAT GRD AL
- 1 W/stripping 152A (head & jamb) NAT GRD
- 2 Closers LCN 4040

HW-4 (Door 5)

- 1 Exit Device 9927EO-US26D 3' vertical rod device
- 1 VD E996L 26 D 24VDC fail secure electrified trim, for active leaf
- 1 VD 99-ALK-28 alarm kits for 99 series
- 1 Mortise Cylinders for arming and disarming, mounted on crashbar
- 1 Power supply PS902 base power supply 2A 12/24 VDC, can be mounted away from door at access control head end
- 1 Door Loop Keedex K-DL38 or equal
- 1 Closer LCN 4040

HW-5 (Door 3)

- 1 Exit Device 9927EO-US26D 3' vertical rod device
- 1 VD E996L 26 D 24VDC fail secure electrified trim, for active leaf
- 1 VD 99-ALK-28 alarm kits for 99 series
- 1 Mortise Cylinders for arming and disarming, mounted on crashbar
- 1 Power supply PS902 base power supply 2A 12/24 VDC, can be mounted away from door at access control head end
- 1 Door Loop Keedex K-DL38 or equal
- 1 Threshold 425A x lod NAT GRD AL
- 1 W/stripping 152A (head & jamb) NAT GRD
- 1 Closer LCN 4040

HW-6 (Door 2)

- 1 Mag Lock Securtron M62
- 1 STI Emergency release button with alarmed cover
- 2 Closers LCN 4040

HW-7 (Door 13 - Pedestrian Gate)

- 1 Exit Device WEMB by Securtron (or equal)
- 1 Electric Strike 9600 by HES Innovations (or equal)
- 1 Door Loop by Securtron (or equal)
- 2 Closers LCN 4040

* CONTRACTOR SHALL CONTRACT WITH TYCO INTEGRATED SECURITY TO PROVIDE ALL CARD READERS, PUSH PLATES, AND DOOR SENSORS. TYCO SHALL PROVIDE INTERFACE FOR ALL SECURITY POINTS, INCLUDING EXTERIOR GATES, CARD READERS, AND PUSH PLATES. TYCO CONTACT: TOM MAHONEY 571-338-4480

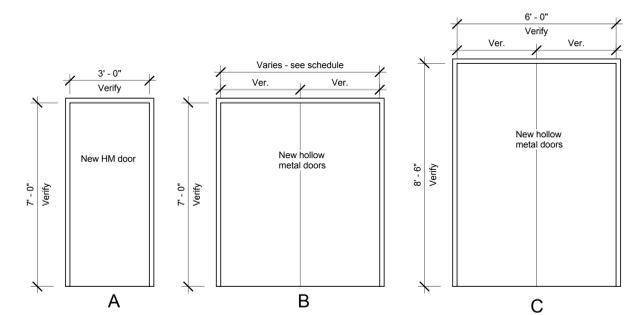
Door Mark Legend

- (X) Door Mark. See Door Schedule for extent of work required at door. Also refer to "Door Security Schedule" on sheet ES.1.
- CR New Card Reader location. See Electrical Door Security Schedule for type and functions required.
- EPP Existing push plate to remain.
- PP New push plate.

Renovation Notes

- 1 Remove existing push plate and install new card reader
- 2 Remove rope from ceiling pull switch
- 3 Existing rope switch to remain - see electrical
- 4 Remove existing security gate completely - deliver to VA Medical Center
- 5 Remove existing exterior hollow metal door, and provide new exterior hollow metal doors in existing frame. Provide new hardware and panic device. G.C. to verify opening dimensions
- 6 New steel and concrete bollard - see detail 4 / SP.2
- 7 12" x 12" x 24" deep concrete base for card pedestals. Coordinate with electrical conduit runs. All items by G.C.

Door Schedule										
Door Number	Door Size		Material	Door Type	Frame Material	Frame Type	Head	Jamb	Hardware	Comments
	Width	Height								
1	6' - 8"	7' - 0"	Existing	Existing	Existing HM	Existing	Existing	Existing	none	Roll-up door
2	6' - 0"	7' - 0"	Existing	Existing	Existing HM	Existing	Existing	Existing	HW-6	New door closers and new mag. locks
3	3' - 0"	7' - 0"	Existing	Existing	Existing HM	Existing	Existing	Existing	HW-5	
4	8' - 0"	7' - 0"	Existing	Existing	Existing HM	Existing	Existing	Existing	none	Roll-up door
5	3' - 0"	7' - 0"	Existing	Existing	Existing HM	Existing	Existing	Existing	HW-4	
6	6' - 0"	7' - 0"	Existing	Existing	Existing HM	Existing	Existing	Existing	HW-3	
7	6' - 0"	7' - 0"	Existing	Existing	Existing HM	Existing	Existing	Existing	HW-1	
8	6' - 0"	7' - 0"	HM	B	Existing HM	Existing	Existing	Existing	HW-1	
9	6' - 0"	8' - 6"	HM	C	Existing HM	Existing	Existing	Existing	HW-1	
10	6' - 0"	7' - 0"	HM	B	Existing HM	Existing	Existing	Existing	HW-1	
11	3' - 0"	7' - 0"	HM	A	Existing HM	Existing	Existing	Existing	HW-2	
12	6' - 0"	7' - 0"	HM	B	Existing HM	Existing	Existing	Existing	HW-1	
13	3' - 0"	7' - 10"	Steel	See 3/SP.2	Existing HM	Existing	Existing	Existing	HW-7	Pedestrian Gate



DOOR ELEVATIONS
3/8" = 1'-0"

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	Building No: 500 Designed By: RGG Drawn By: MML Checked By: RGG Location: VA Medical Center Richmond, VA				