



Department of VETERANS AFFAIRS

VA MEDICAL CENTER RICHMOND, VIRGINIA

LOADING DOCK ACCESS CONTROL

ARCHITECT:

RGG ARCHITECTS, PLLC
DURHAM, NORTH CAROLINA

PME ENGINEER:

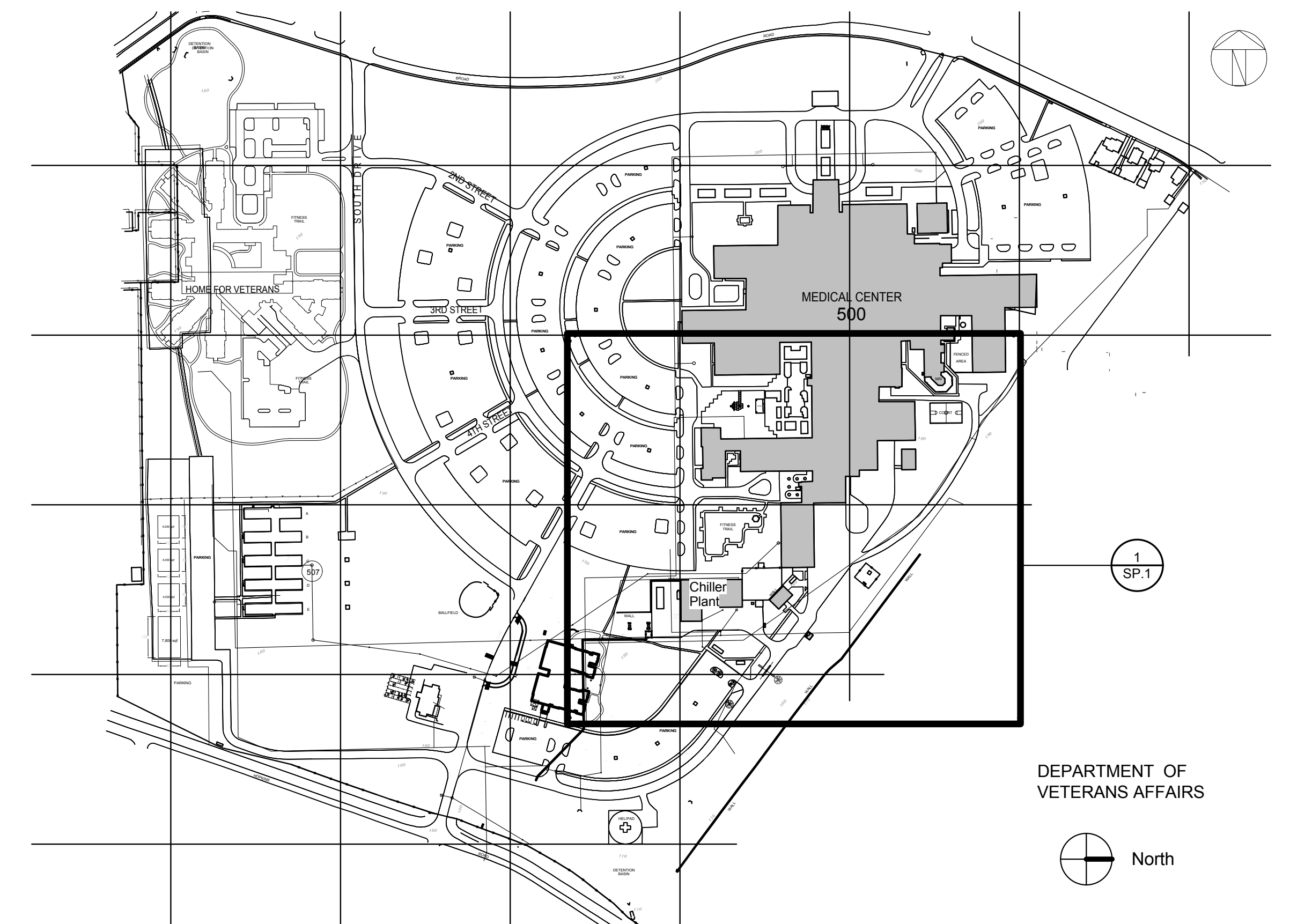
EDMONDSON ENGINEERS, P.A.
DURHAM, NORTH CAROLINA

GENERAL NOTES:

1. 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.
2. NO SMOKING EXCEPT IN DESIGNATED AREAS OUTSIDE OF BLDG.
3. ALL DIMENSIONS SHALL BE VERIFIED CAREFULLY AND ANY DISCREPANCIES BROUGHT TO THE IMMEDIATE ATTENTION OF THE VA CHIEF ENGINEER.
4. 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.
5. 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.
6. NOTIFY THE VA CHIEF ENGINEER PRIOR TO ANY CORE DRILLING. THIS MUST BE SCHEDULED 7 DAYS IN ADVANCE.
7. WOOD BLOCKING IS NOT ACCEPTABLE AS A SUBSTITUTE FOR SHEET METAL BLOCKING.
8. WHEN REPAIRING WALLS, MATCH EXISTING CONDITIONS, UNLESS OTHERWISE NOTED.
9. THE VA CHIEF ENGINEER SHALL BE GIVEN THREE WEEKS NOTICE, IN WRITING, BEFORE ANY UTILITY SYSTEM SHUTDOWN IS REQUIRED.
10. REPAIR OR REPLACE ALL PROPERTY OF THE OWNER DAMAGED BY CONSTRUCTION, INCLUDING BUT NOT LIMITED TO: EQUIPMENT, FLOORS, BASES, CEILING TILES, AND WALLS.
11. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IMMEDIATELY REPAIR ANY DAMAGED FIRE SPRINKLER PIPING DURING DEMOLITION AND CONSTRUCTION.
12. TEMPORARY LIGHTING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR DURING DEMOLITION AND CONSTRUCTION.
13. 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.
14. CONTRACTOR SHALL LEGALLY REMOVE AND DISPOSE OF ALL DEBRIS.

LIST OF DRAWINGS

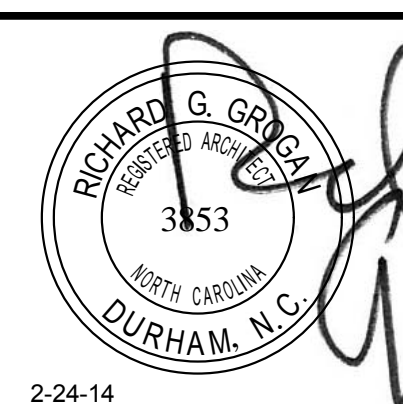
ARCHITECTURAL	
T.1	TITLE SHEET, LIST OF DRAWINGS, & SITE PLAN
SITE WORK	
SP.1	OVERALL SITE PLAN
SP.2	ENLARGED PLANS AND FENCE AND GATE DETAILS
ARCHITECTURAL	
A.1	BLDG. 500 - BASEMENT PLAN AND BLDG. 501 CHILLER PLANT FLOOR PLAN
A.2	BLDG. 500 - BASEMENT PLAN - ACCESS DOOR AREAS
A.3	BLDG. 501 - CHILLER PLANT FLOOR PLAN
ELECTRICAL SITE PLAN	
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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
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CONSTRUCTION DOCUMENTS
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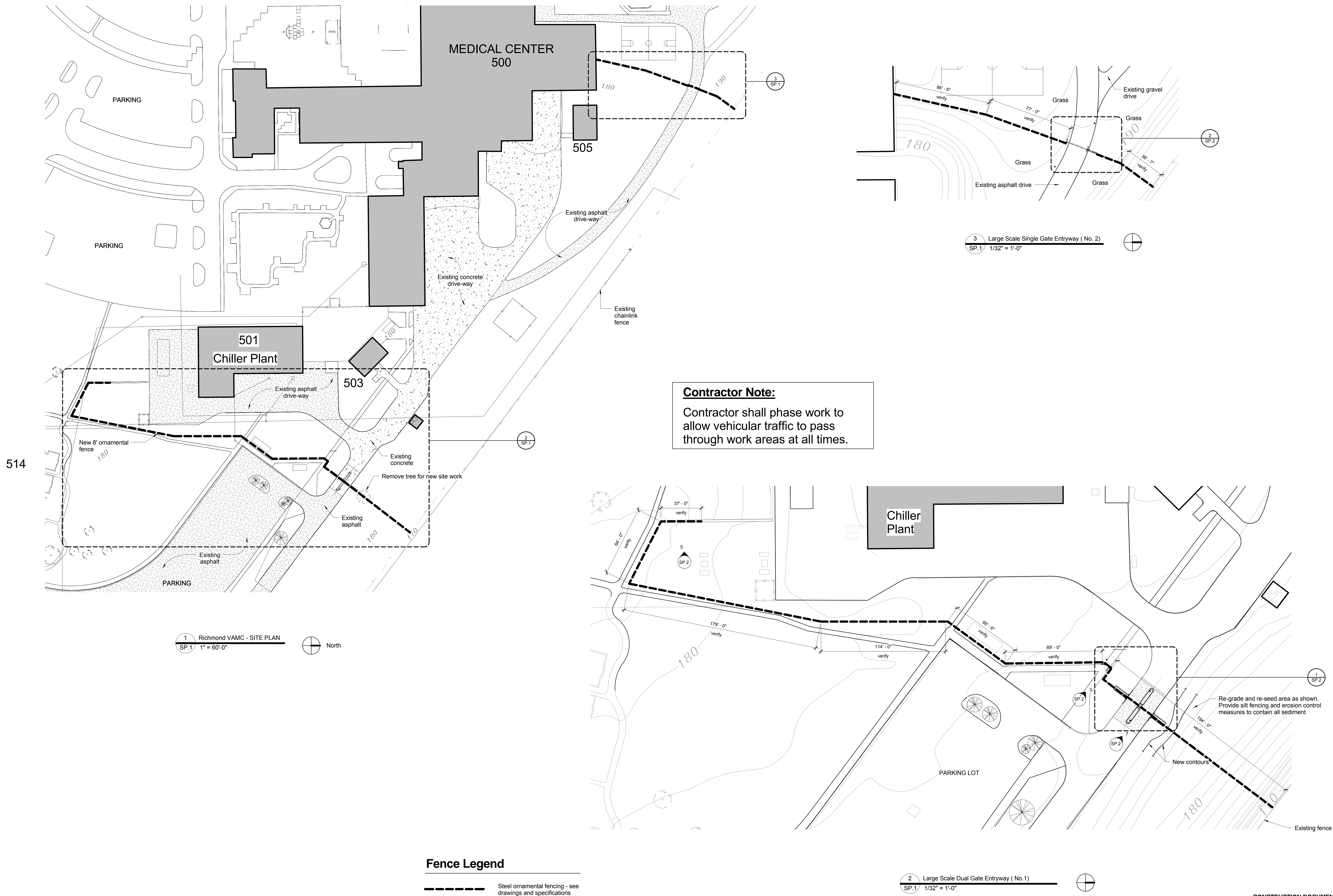
REV.	DATE
RECOMMENDED APPROVAL	
Requestor:	Date Chief of Staff:
Chief of Service:	Date Asst. Med. Ctr. Dir.:
APPROVED BY:	Date
MEDICAL CENTER DIRECTOR	Date

Drawing Title:	TITLE SHEET, LIST OF DRAWINGS, & SITE PLAN
Approved: Chief, Engineering Service	Date
Approved: Infection Control	Date

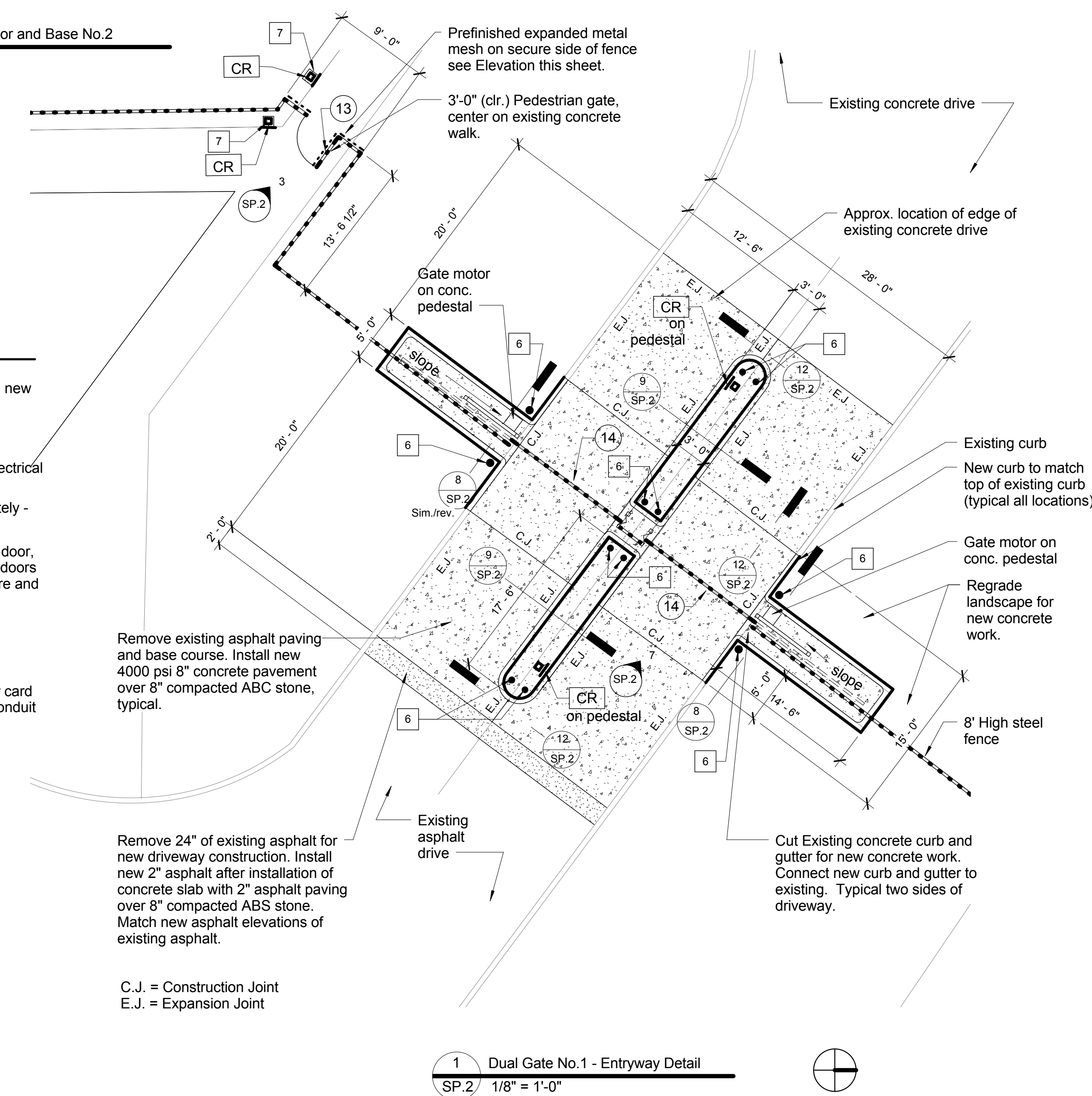
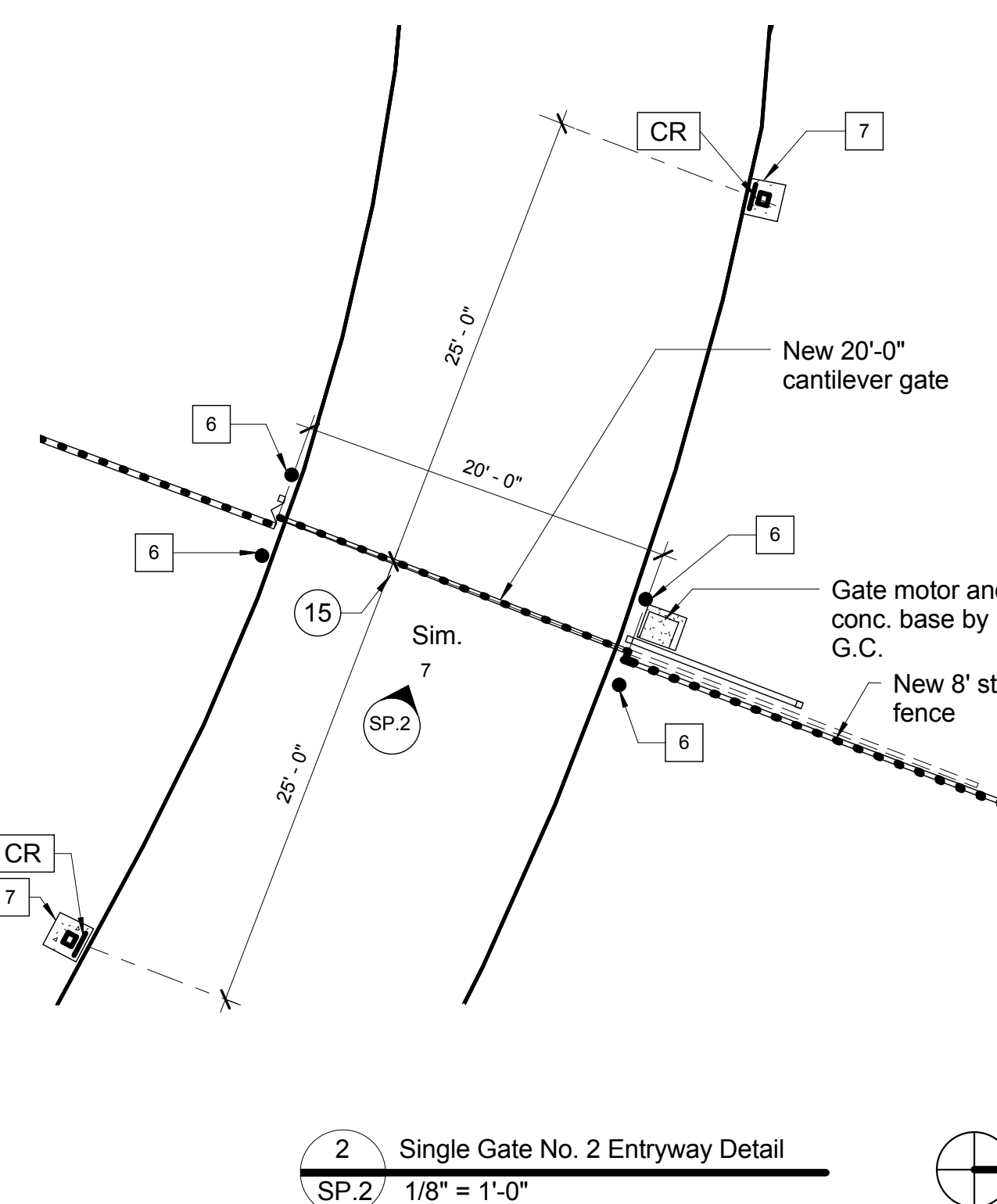
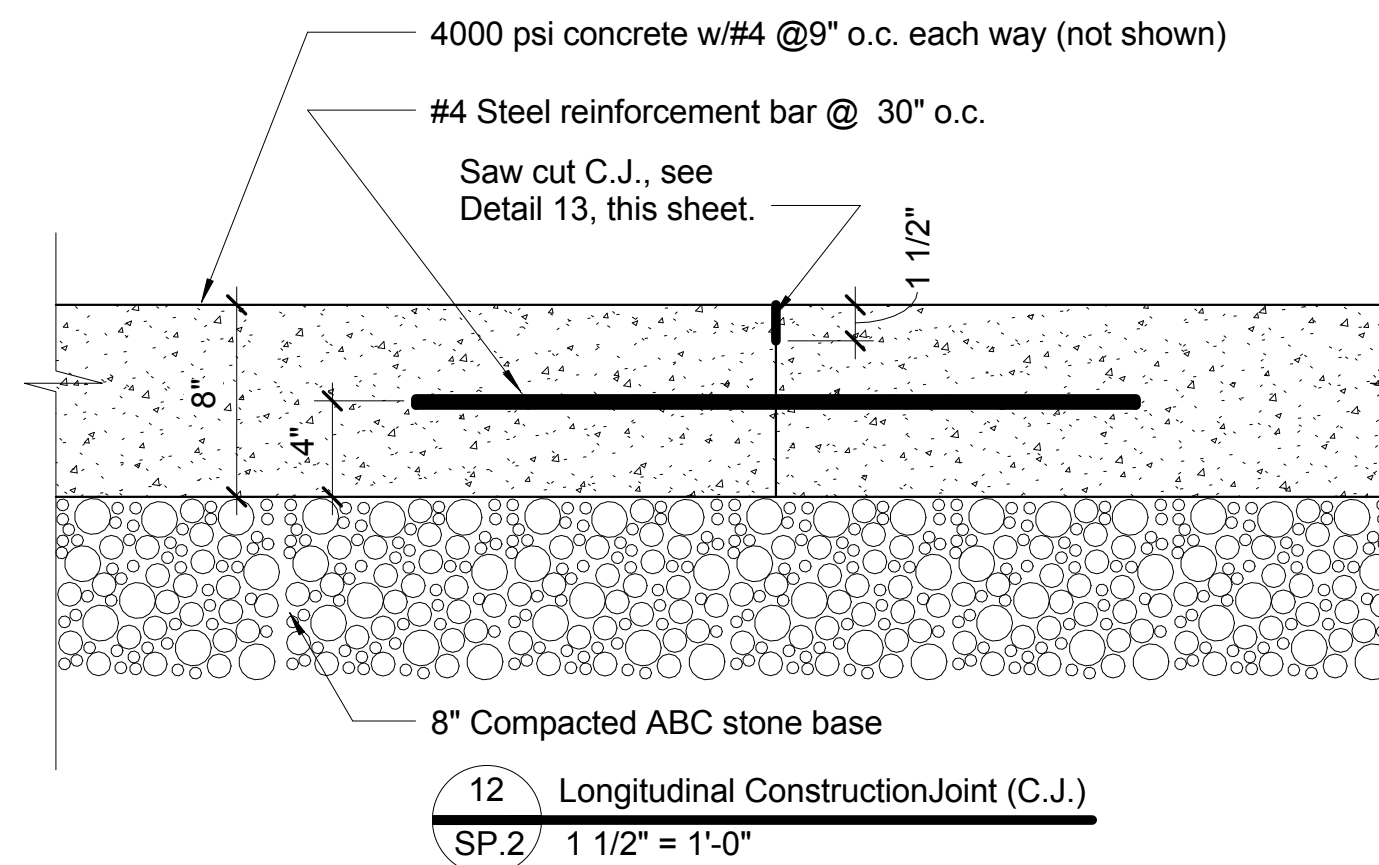
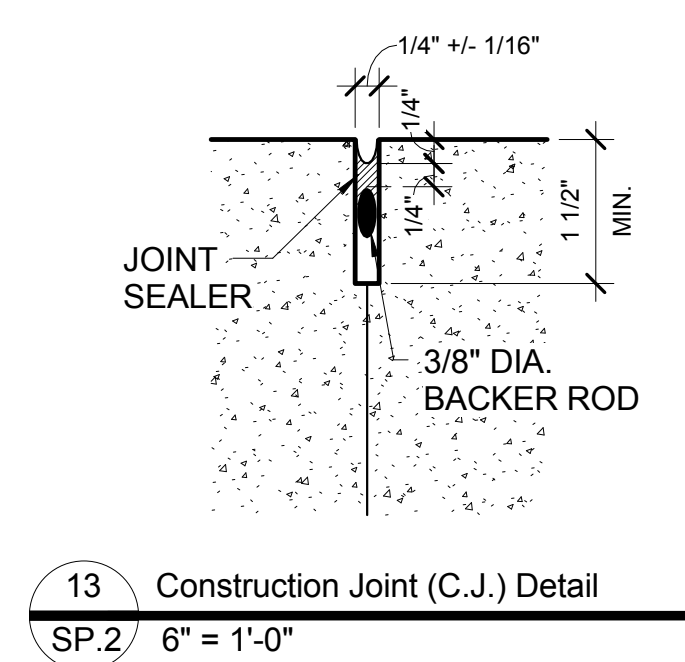
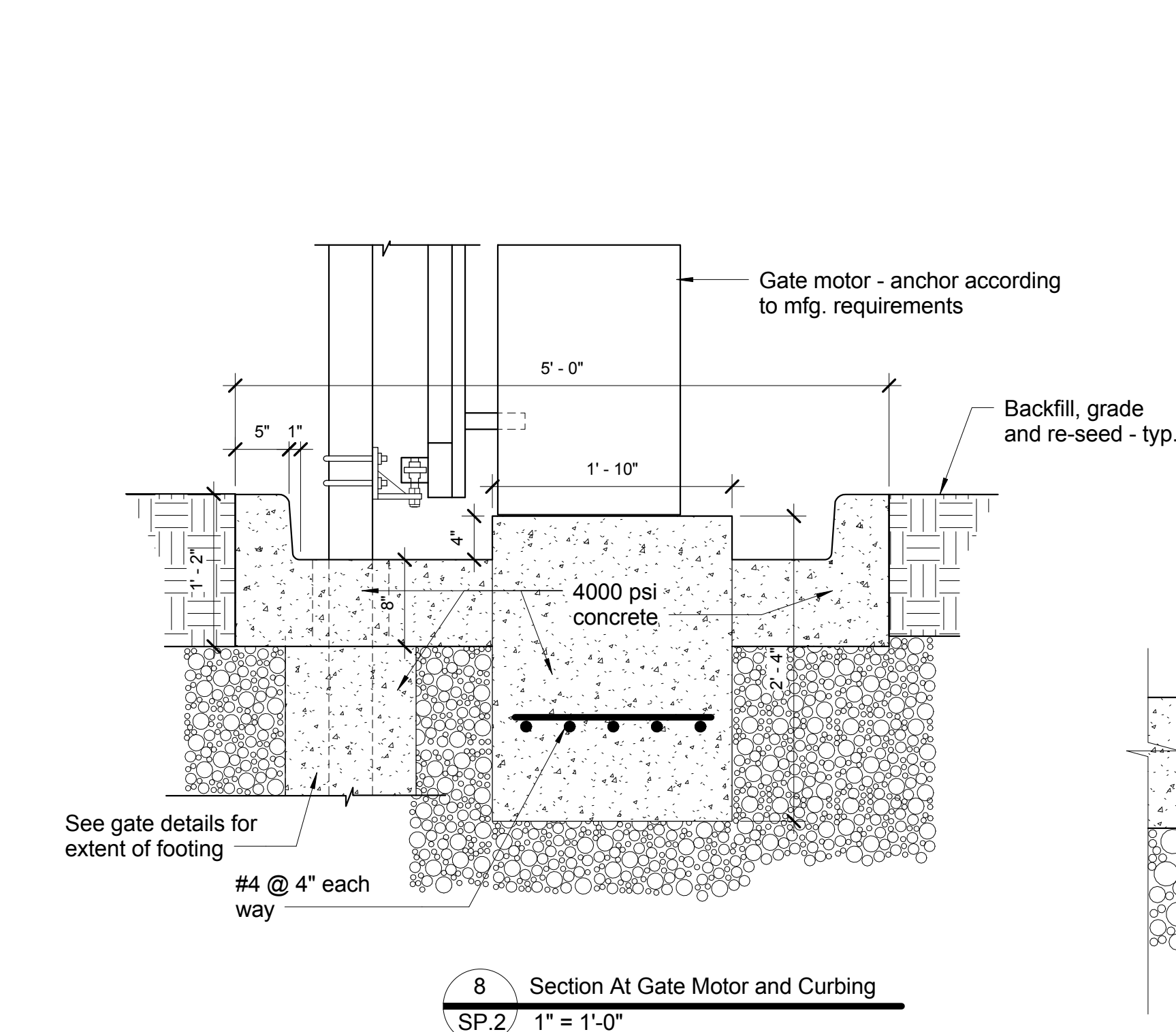
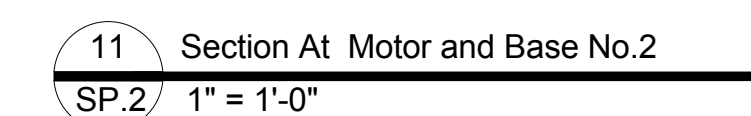
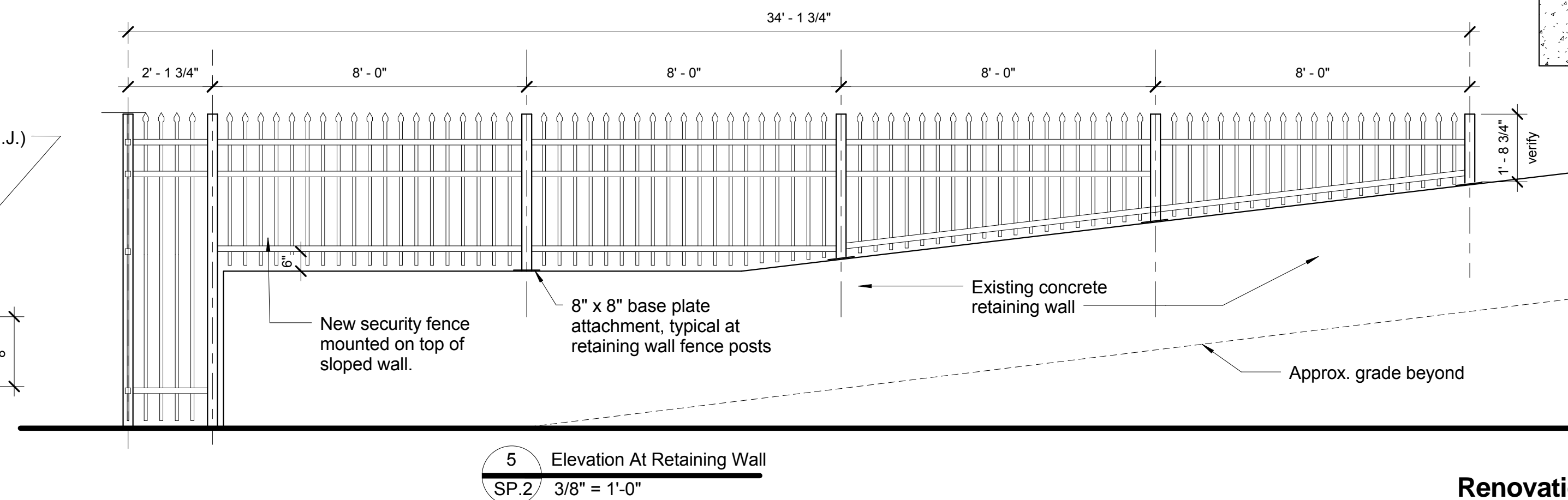
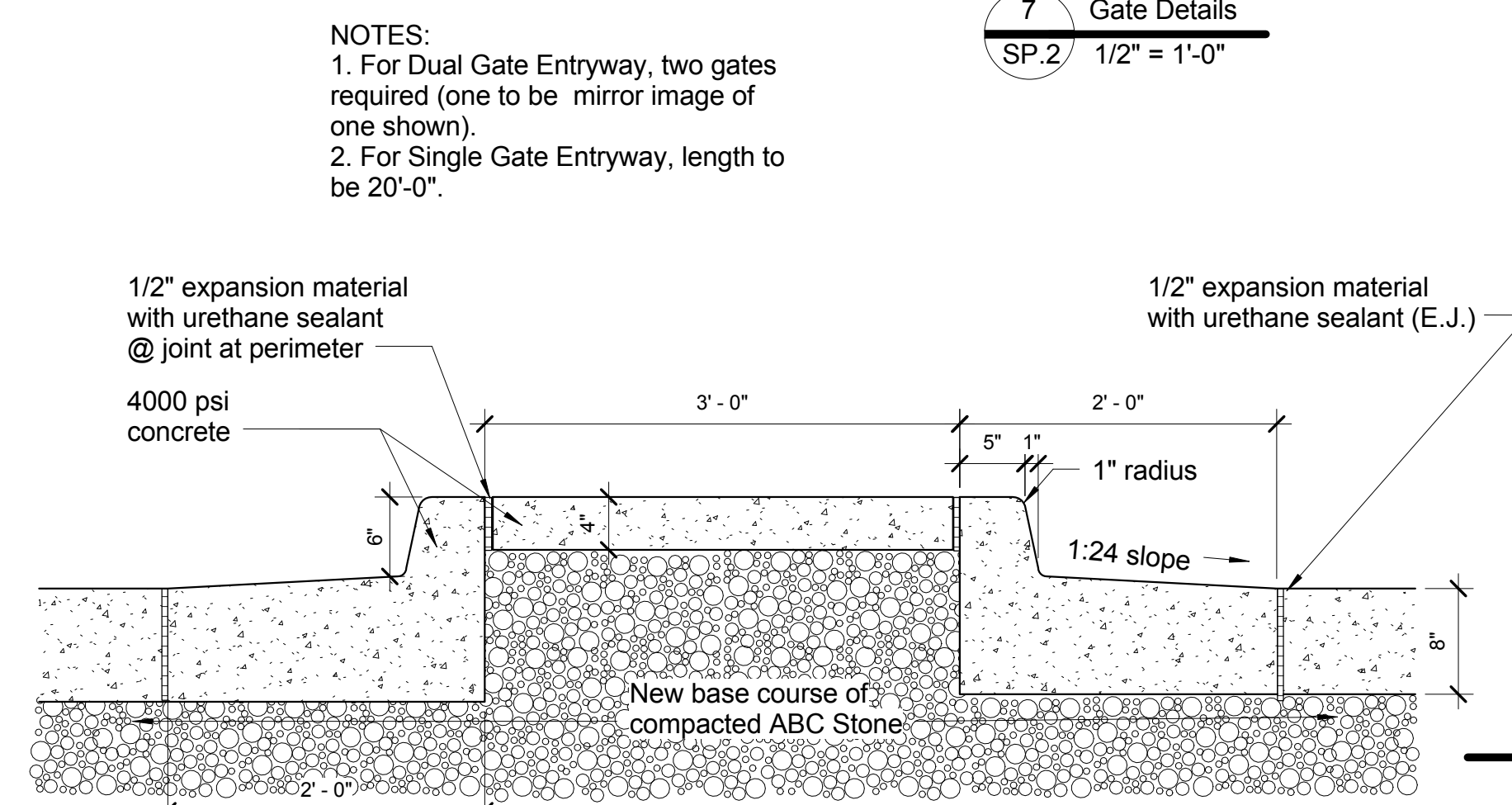
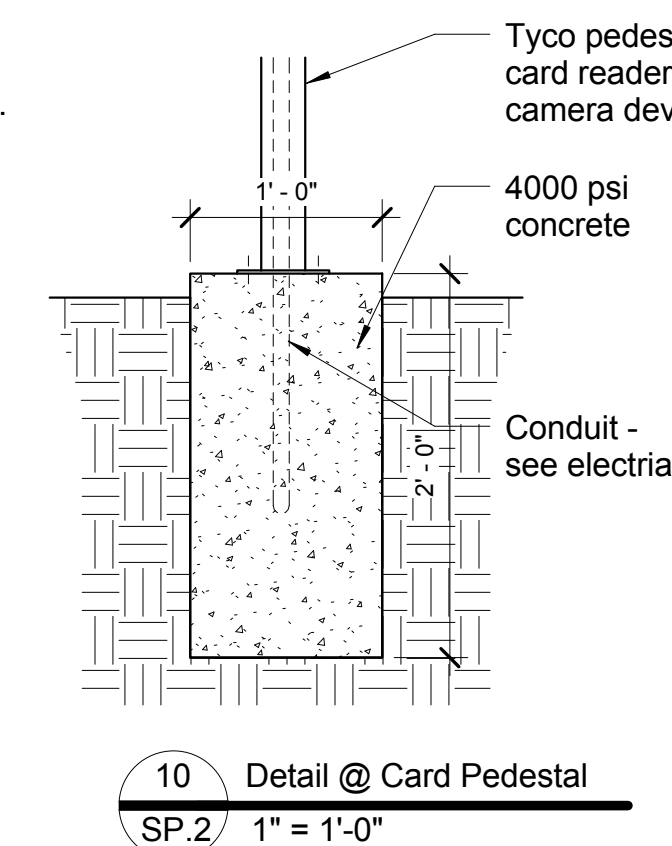
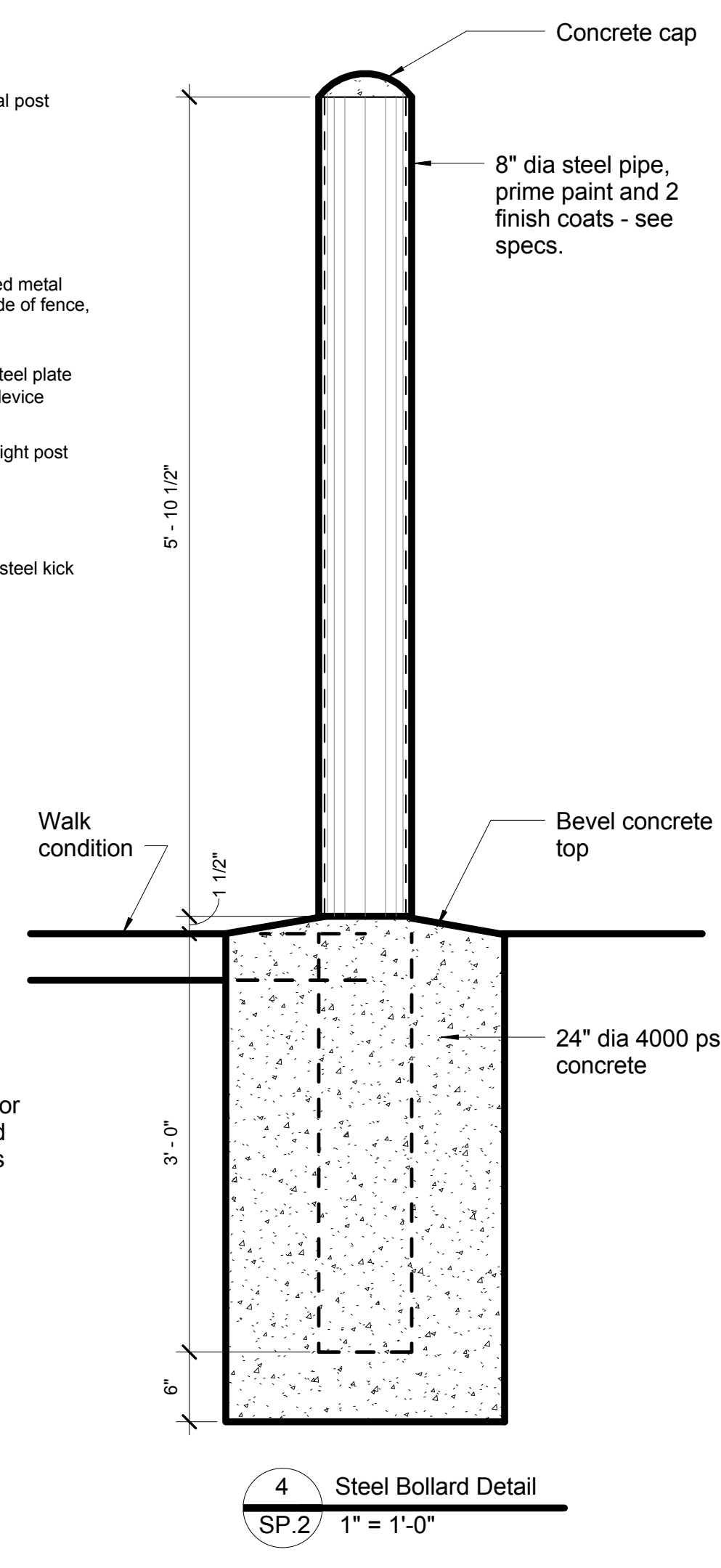
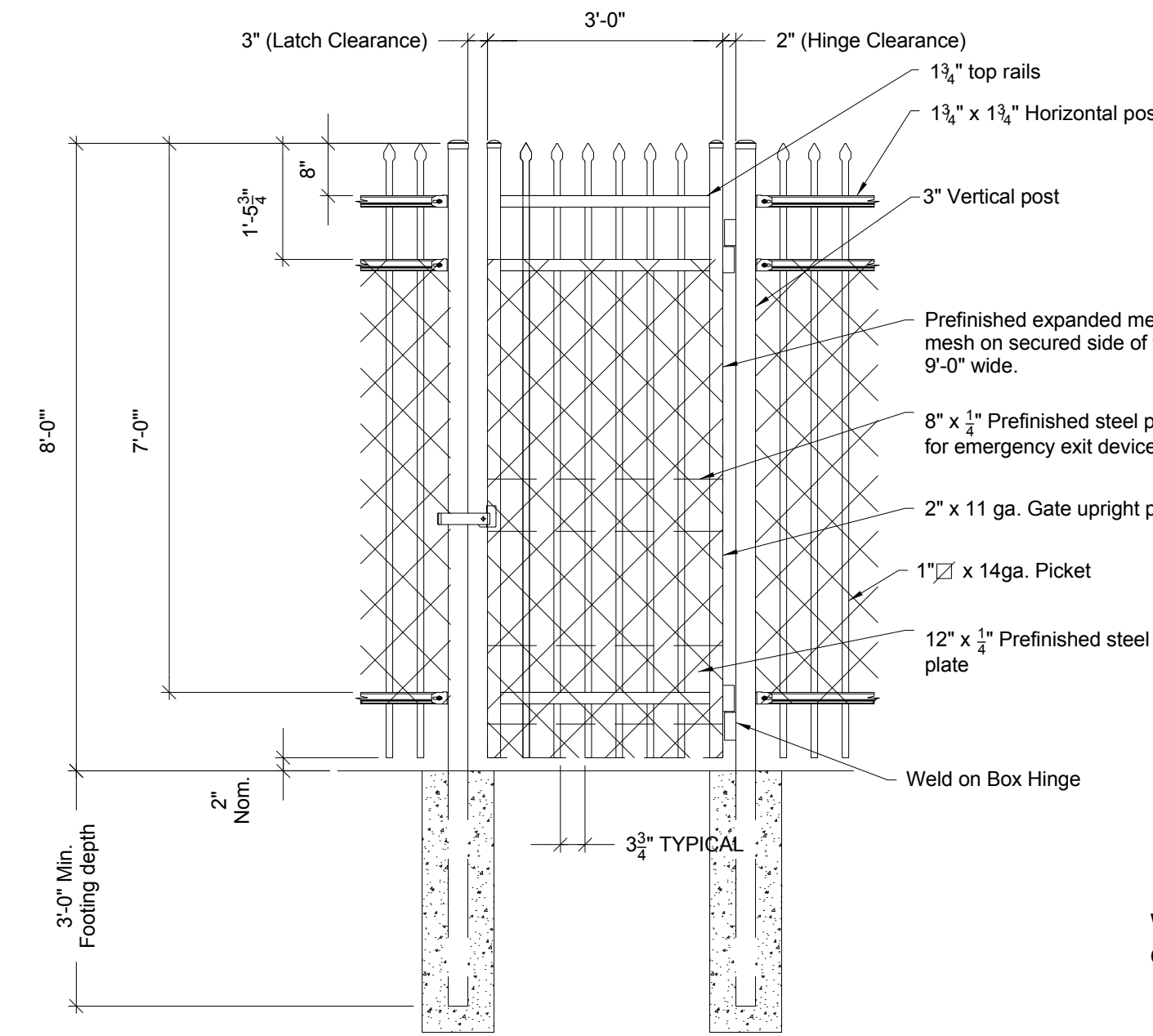
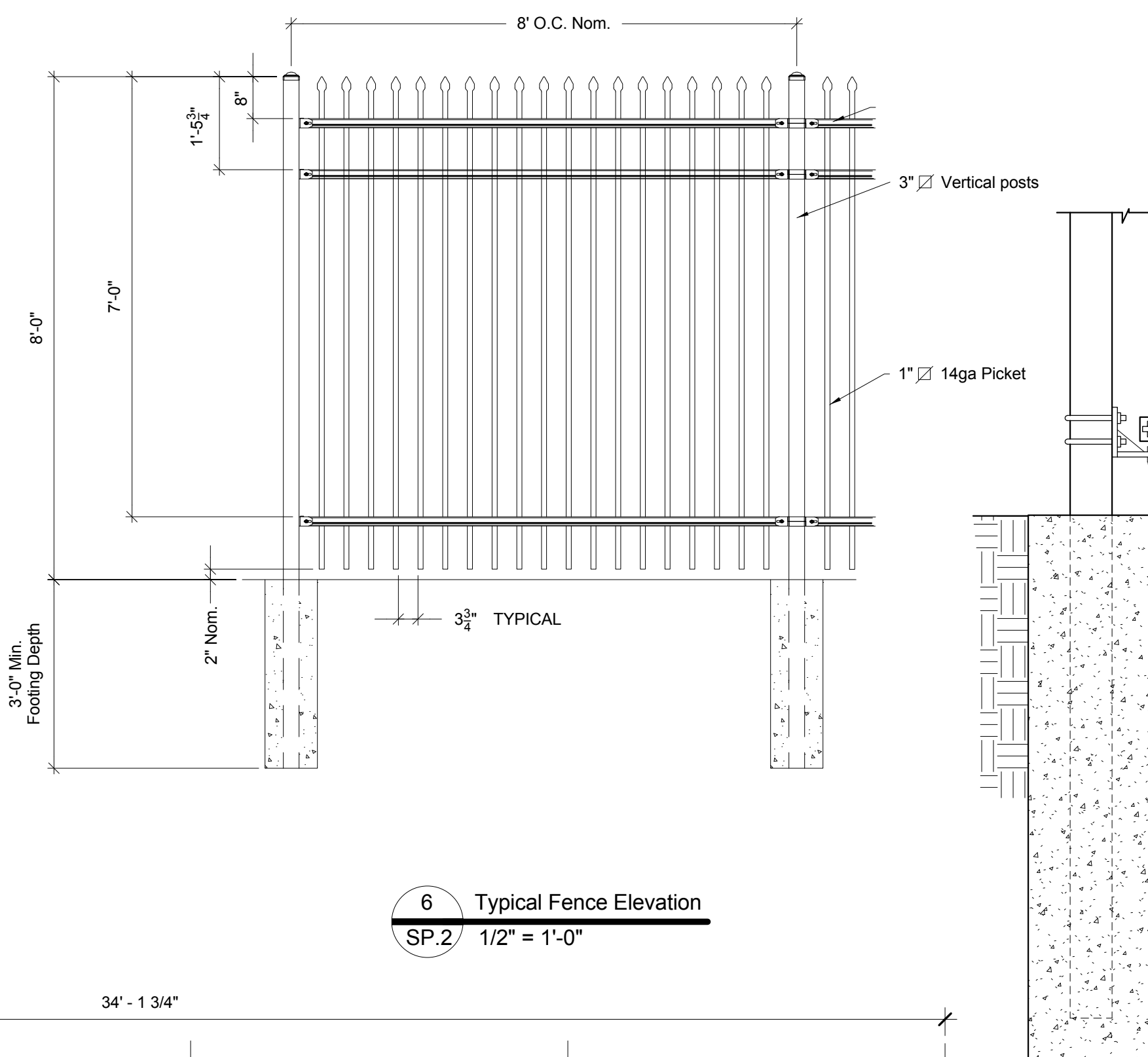
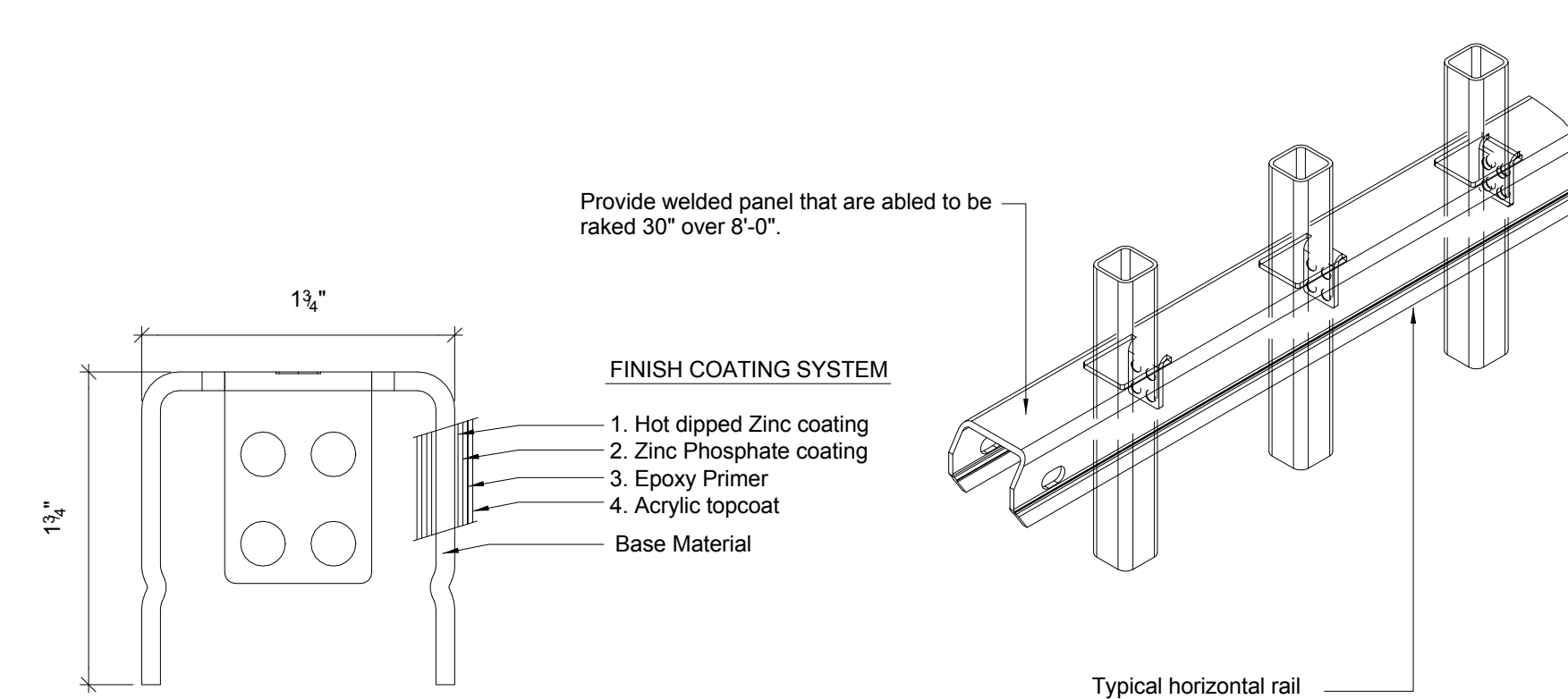
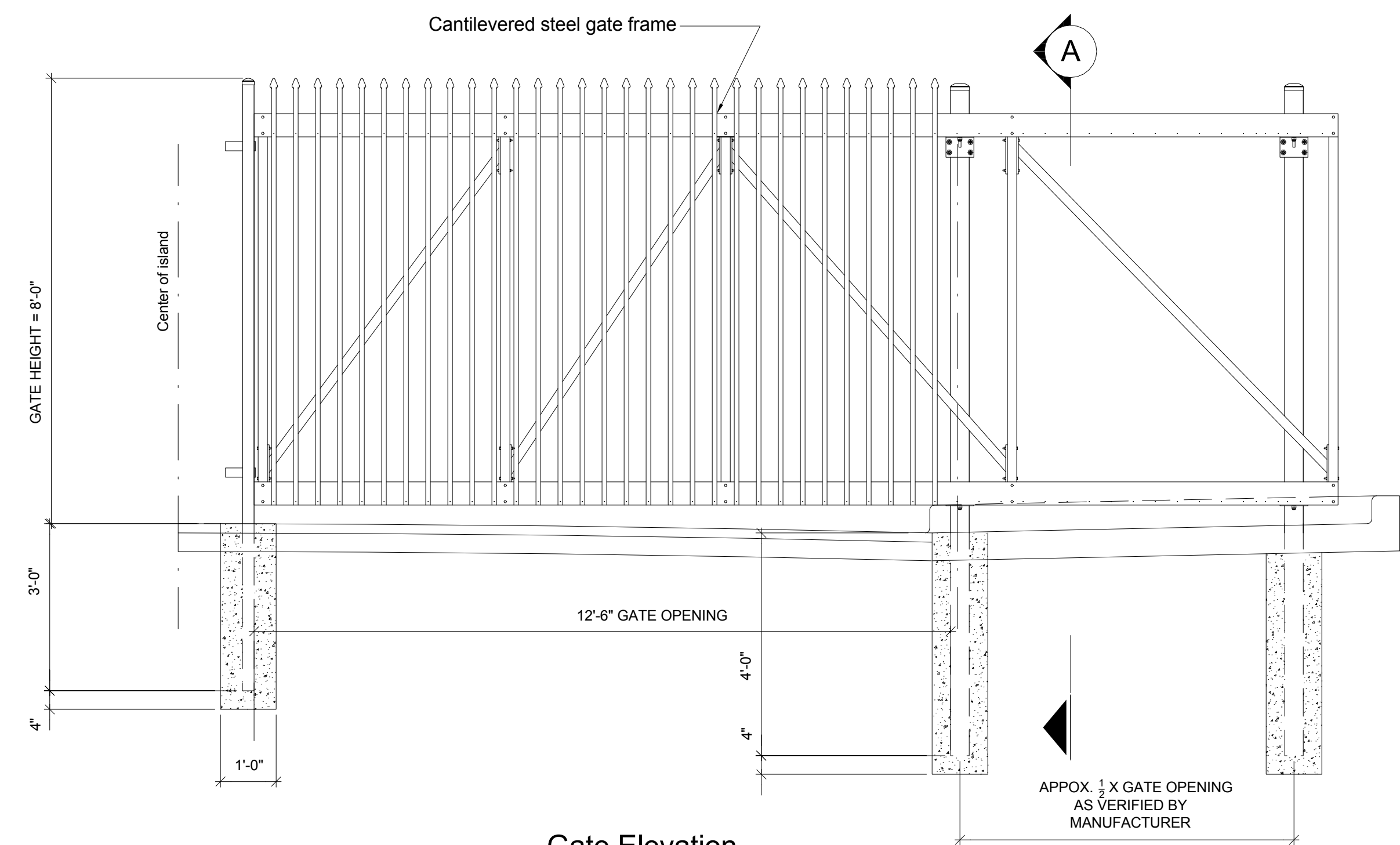
Project Title:	LOADING DOCK ACCESS CONTROL
Building No.	500
Designed By:	RGG
Drawn By:	RQA
Checked By:	RGG
Location:	VA Medical Center Richmond, VA

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





CONSTRUCTION DOCUMENTS
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- ### 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.

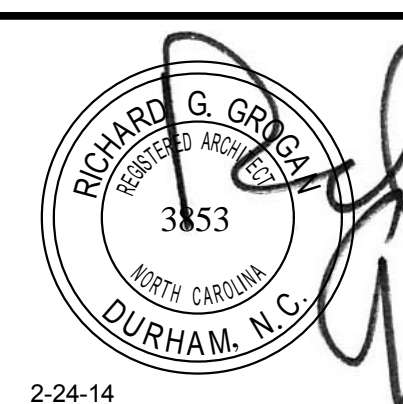
Remove existing asphalt paving and base course. Install new 4000 psi 8" concrete pavement over 8" compacted ABC stone, typical.

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

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

CONSTRUCTION DOCUMENTS

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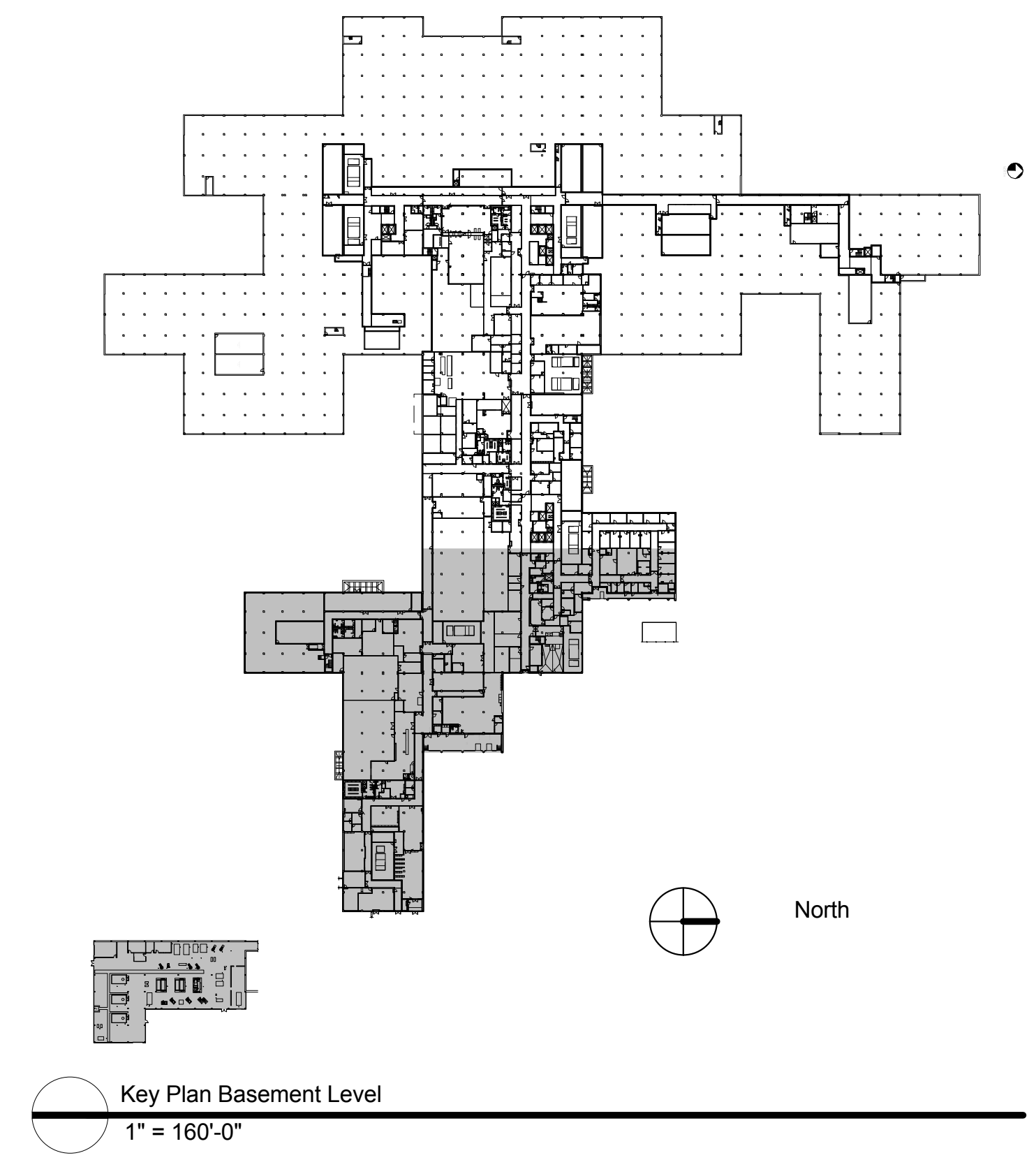
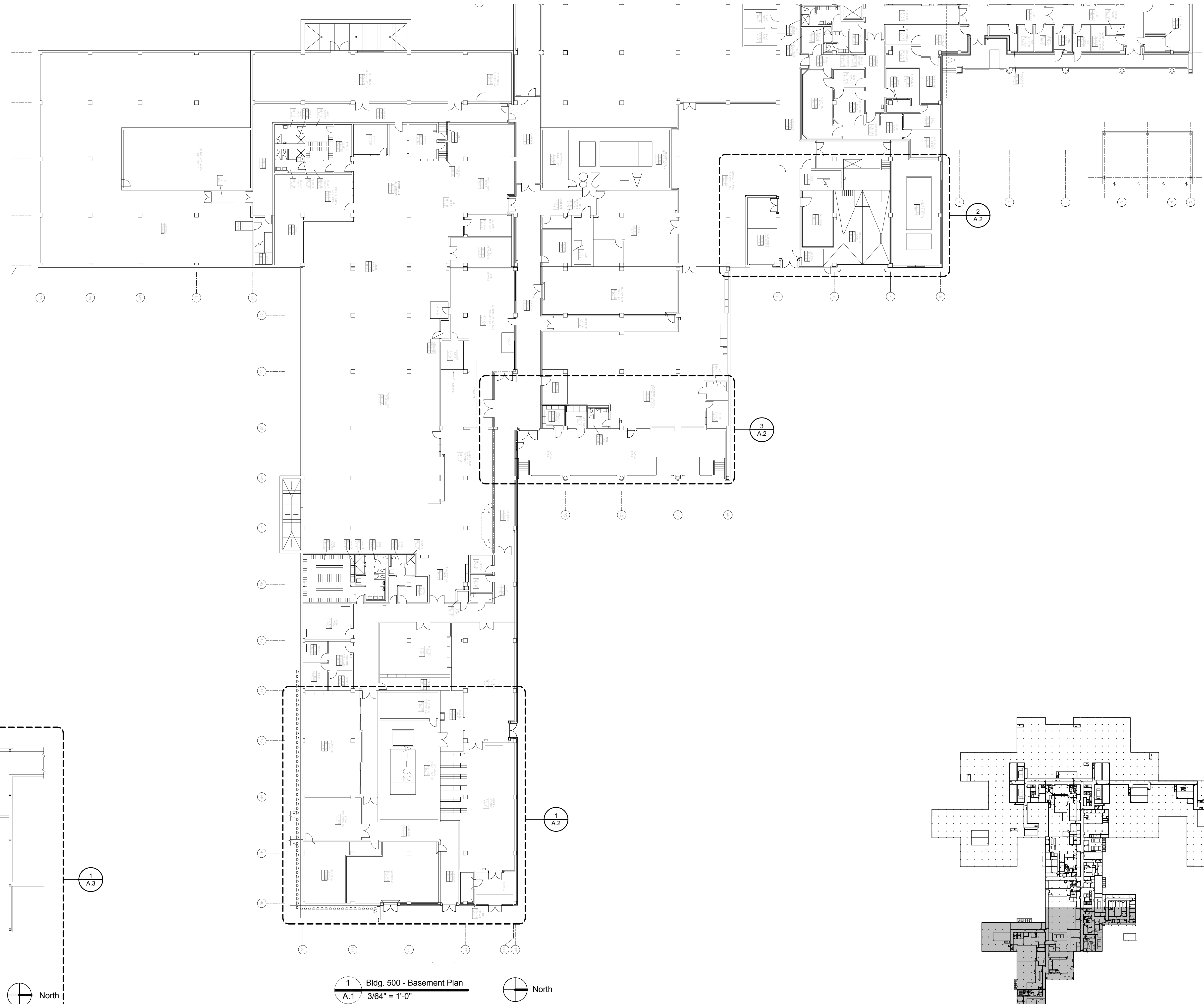
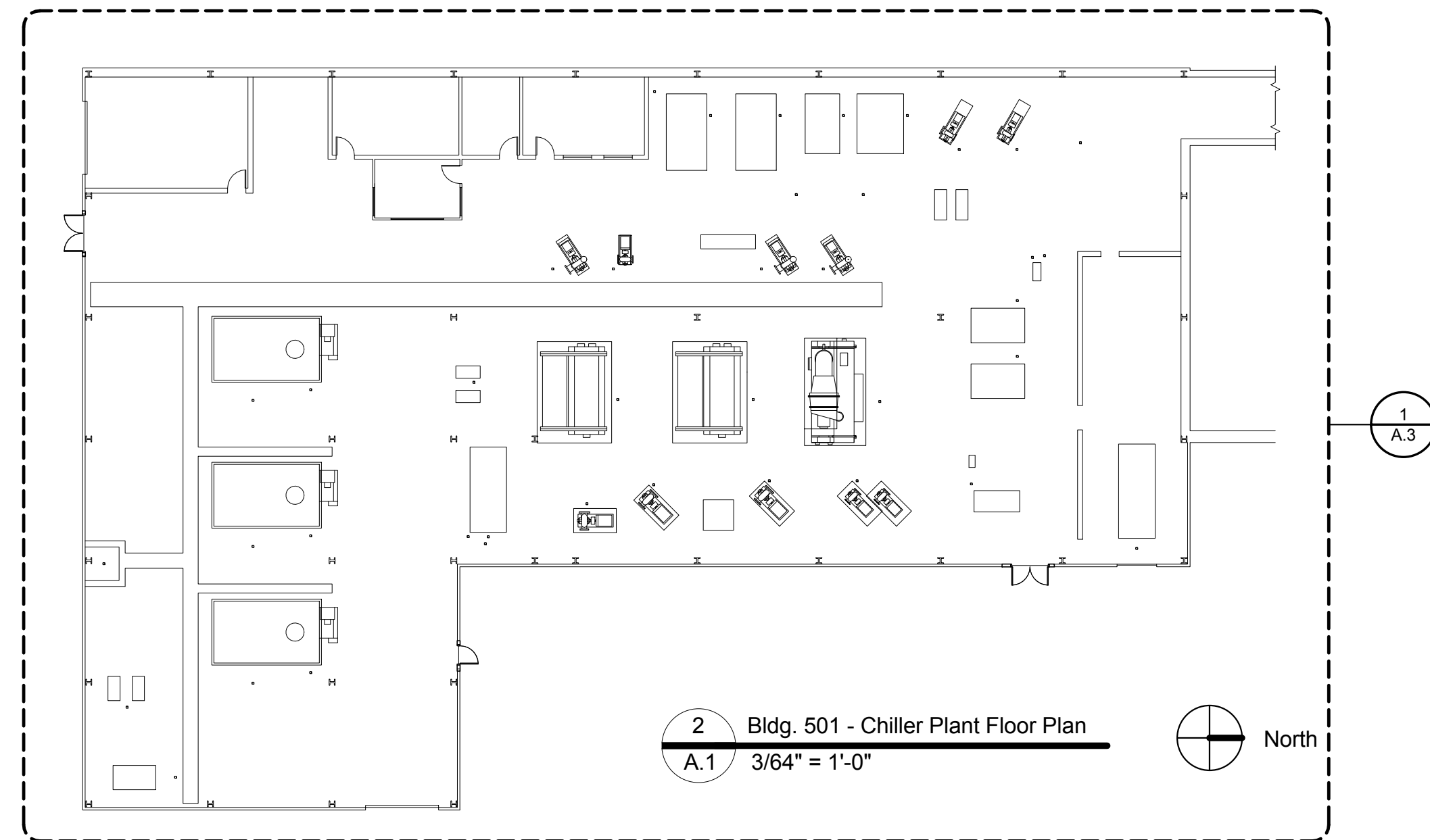
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RECOMMENDED APPROVAL				
Requestor:	Date	Chief of Staff:		Date
Chief of Service:	Date	Asst. Med. Ctr. Dir.:		Date
APPROVED BY:				Date
MEDICAL CENTER DIRECTOR				

E	Drawing Title:
	ENLARGED PLANS AND FENCE AND GATE DETAILS
	Approved: Chief, Engineering Service
	Approved: Infection Control

Project Title:			
LOADING DOCK ACCESS CONTROL			
Building No. 500	Designed By: RGG	Drawn By: RQA	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	



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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

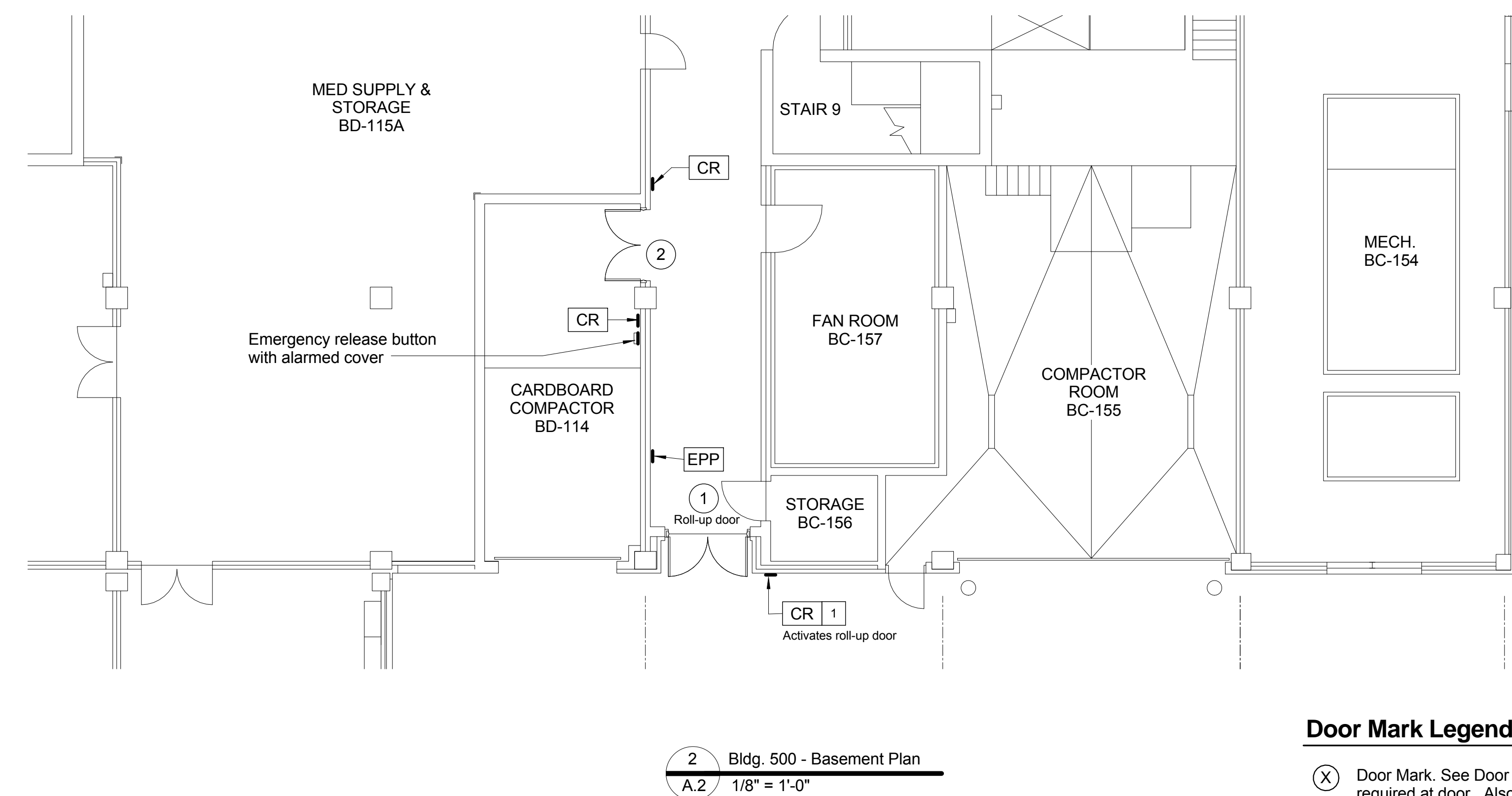
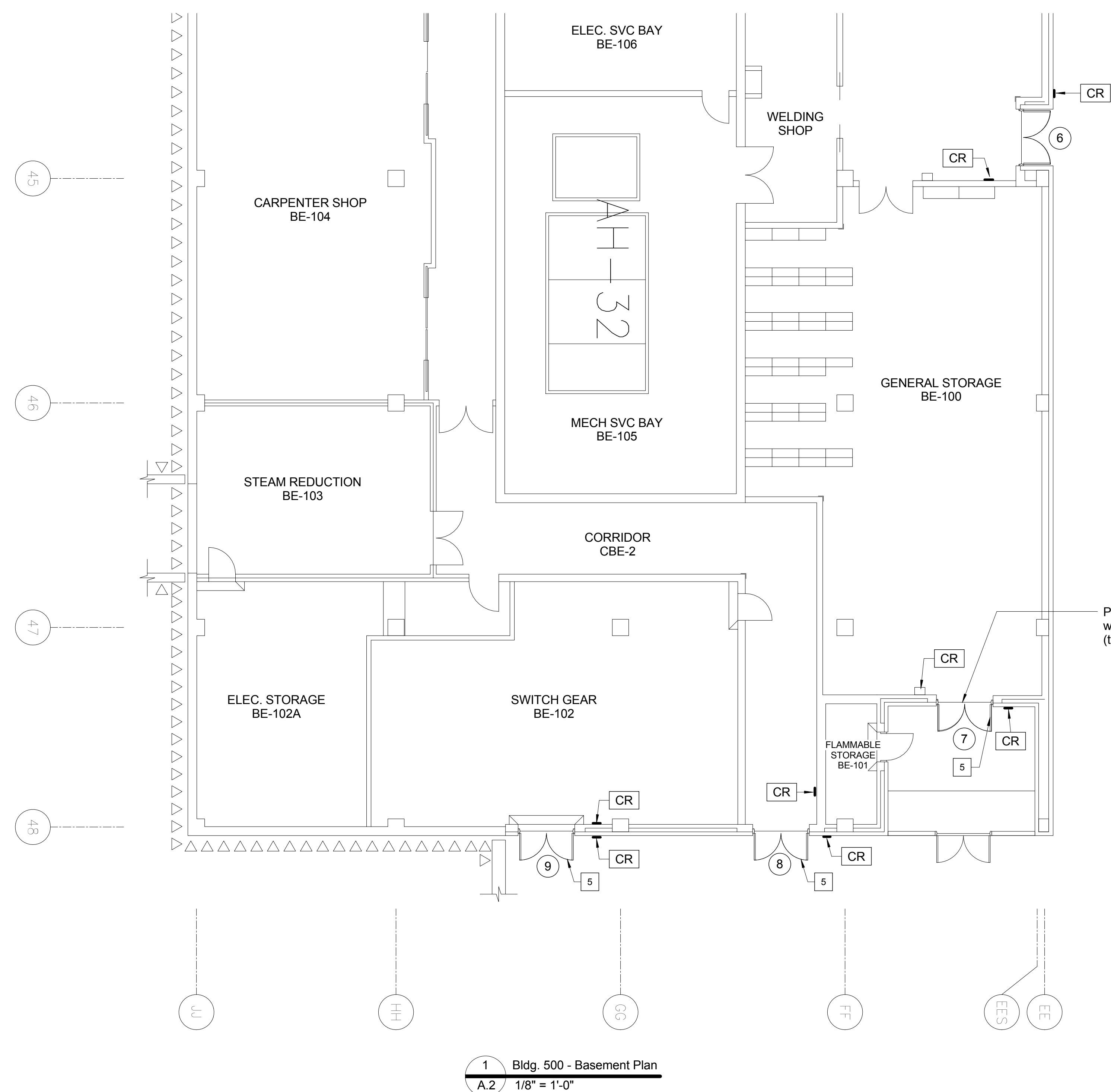
Project Title:
LOADING DOCK ACCESS
CONTROL





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



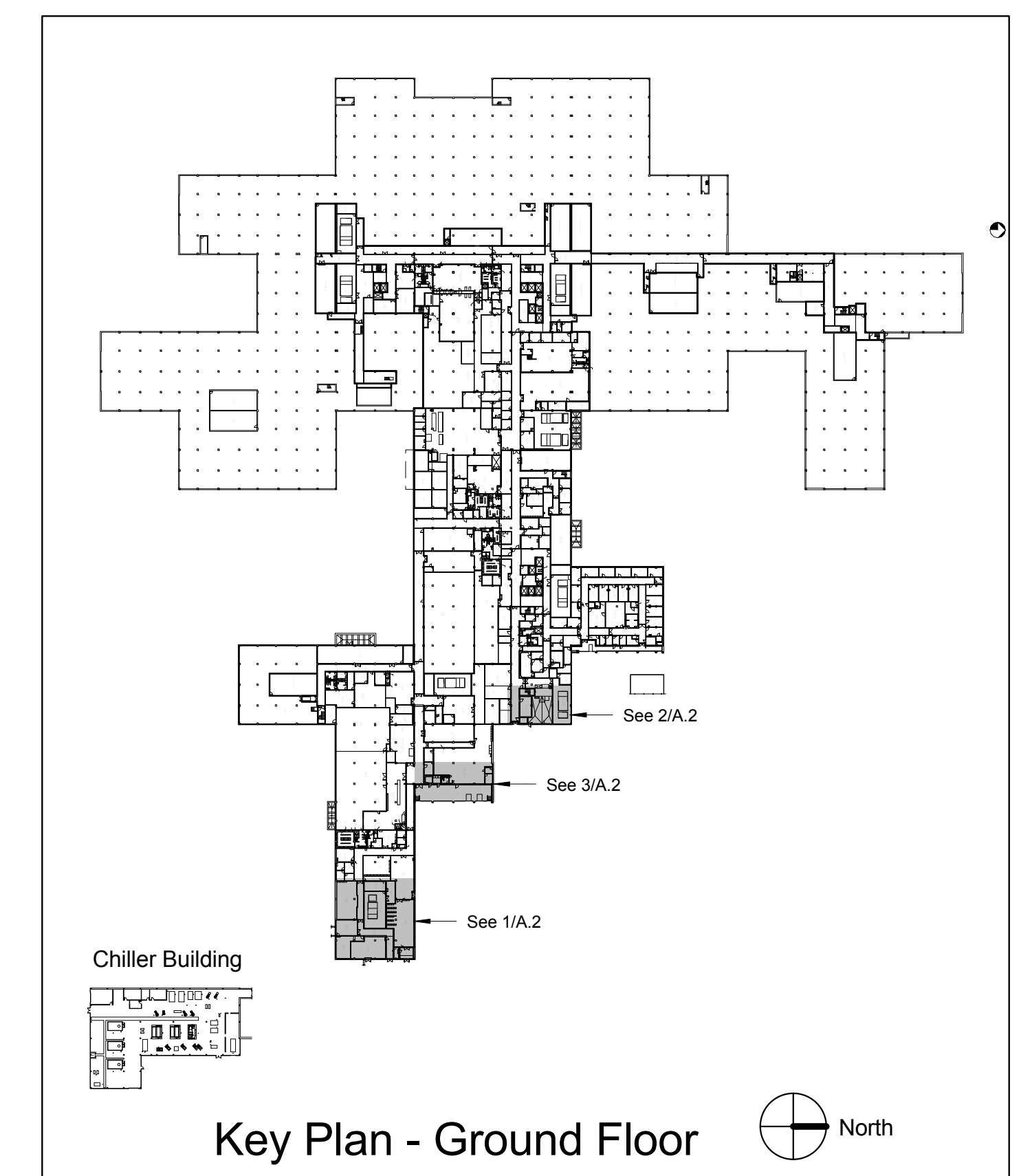
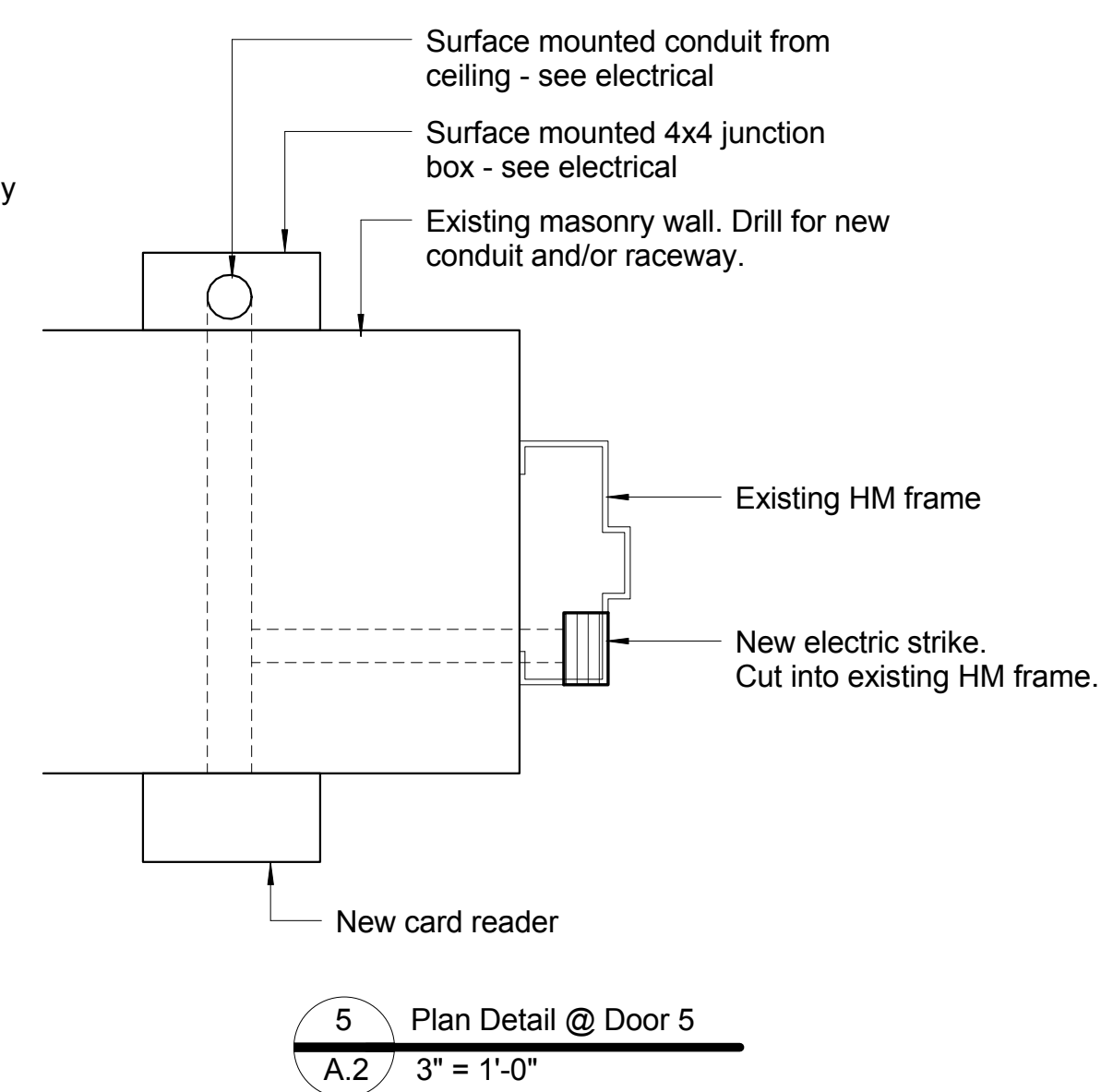
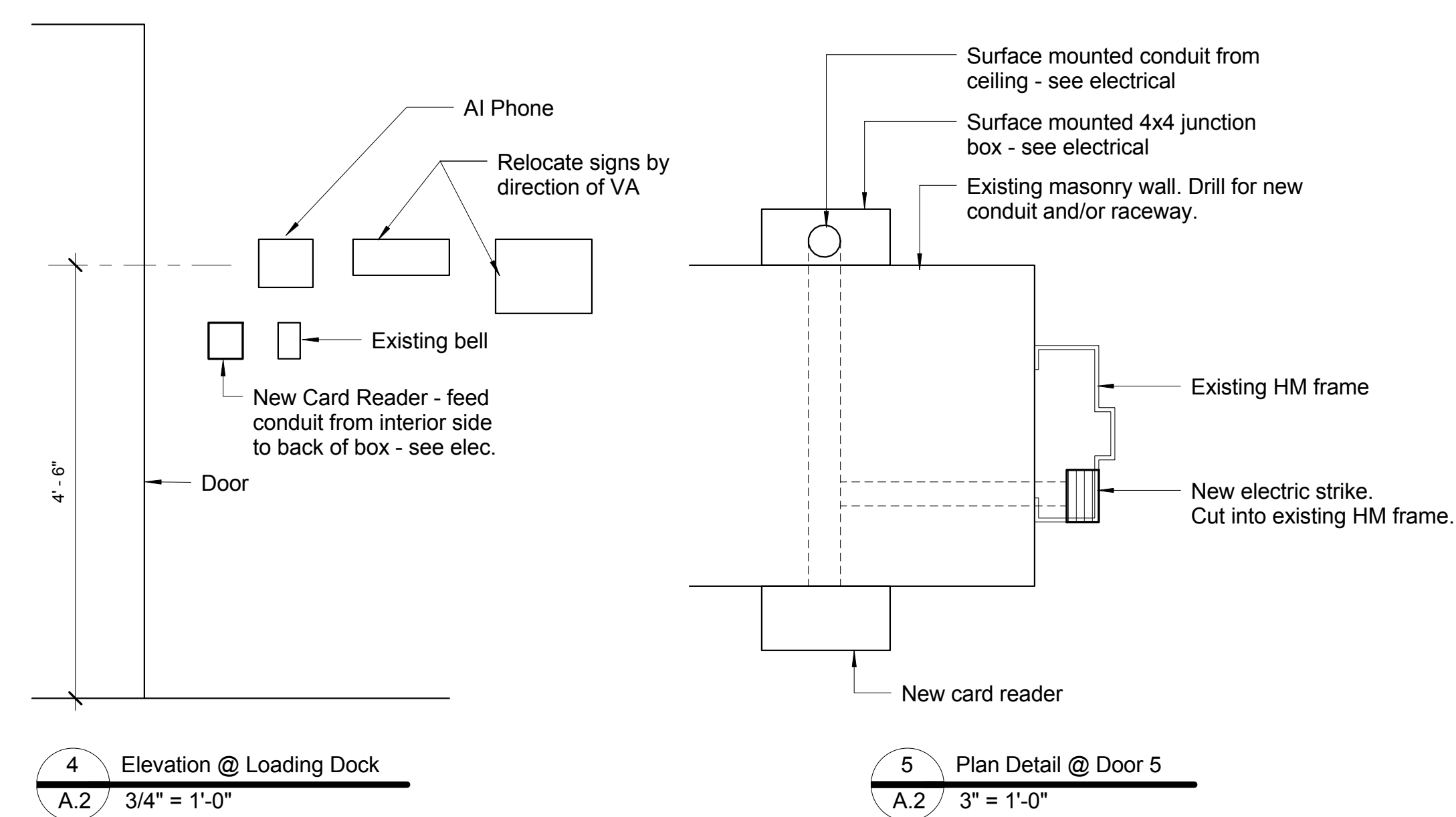
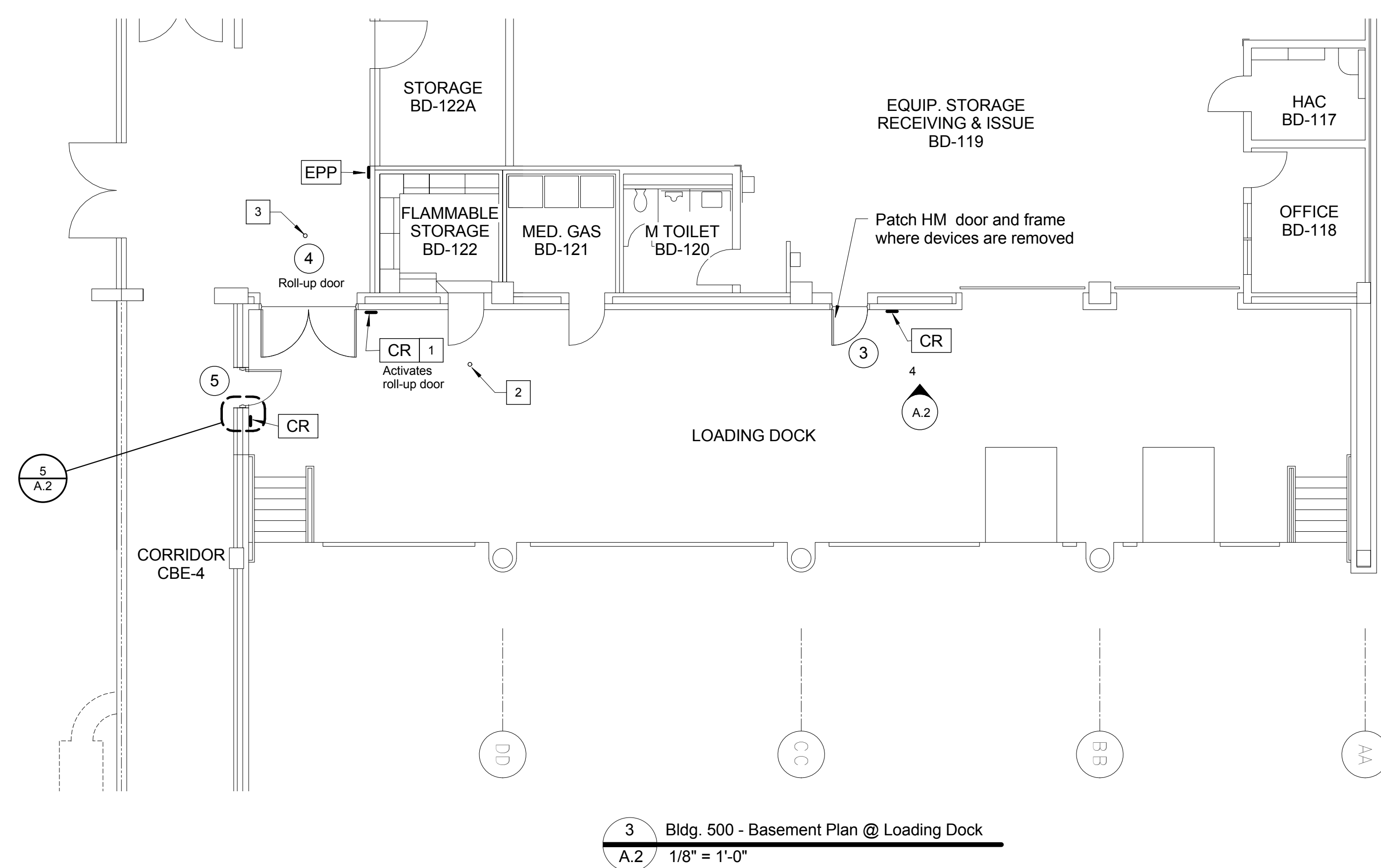


- ## Door Mark Legend
- | | |
|---|---|
|  | Door Mark. See Door Schedule for extent of work required at door. Also refer to "Door Security Schedule" on sheet ES.1. |
|  | New Card Reader location. See Electrical Door Security Schedule for type and functions required. |
|  | Existing push plate to remain. |
|  | 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

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

12" x 12" x 24" precast concrete base for card pedestals. Coordinate with electrical conduit runs. All items by G.C. |



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Date
02/24/2014

Project No. 055-12-122

652-13-106
Project Drawing No.
13-E-XXX

DRAWING NO.

A 2

A.2



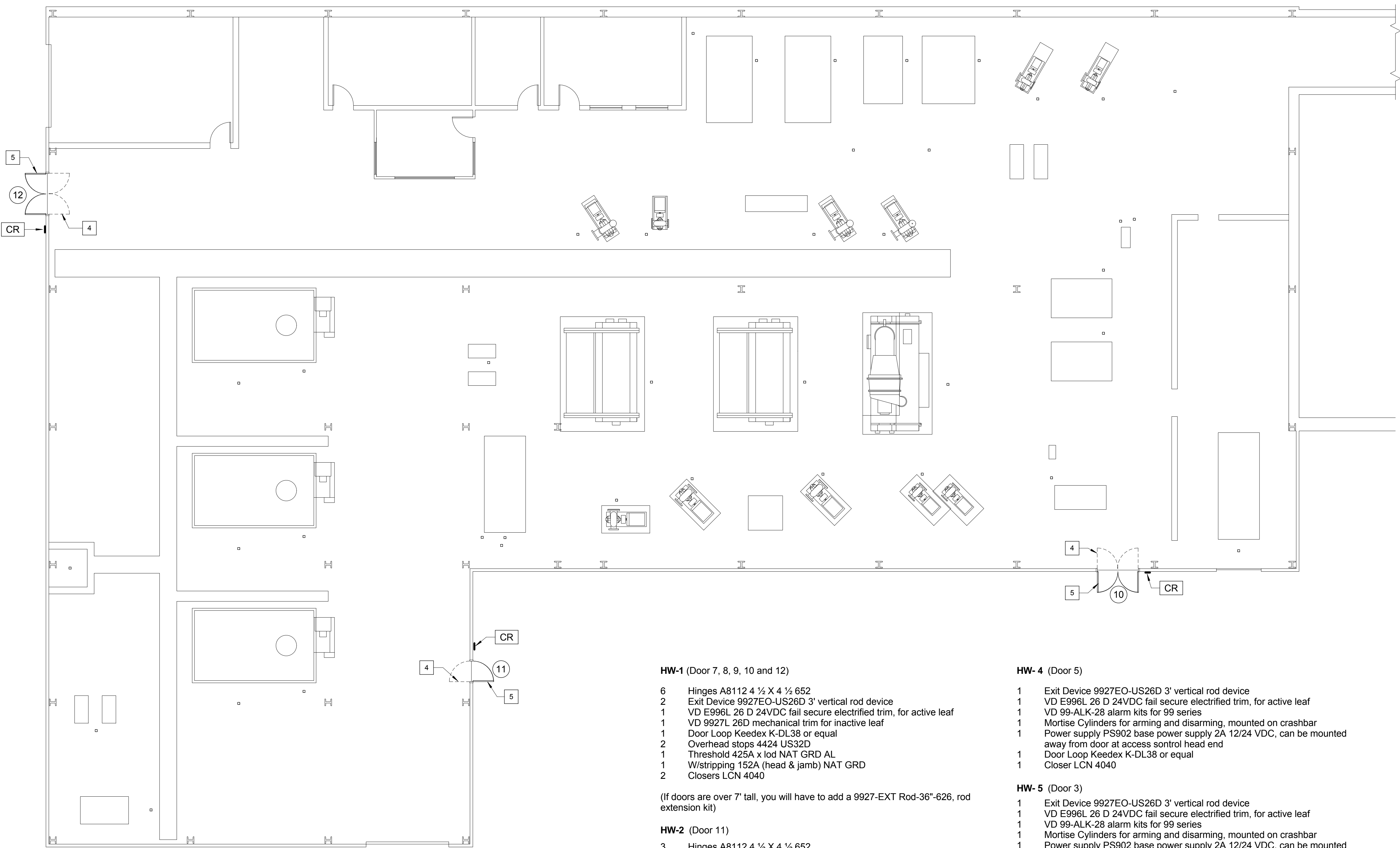
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Project No. 13-13	REV.		DATE
	RECOMMENDED APPROVAL		
	Requestor:	Date	Chief of Staff:
	Chief of Service:	Date	Asst. Med. Ctr. Dir.
	APPROVED BY:		Date
MEDICAL CENTER DIRECTOR			

Drawing Title: BLDG. 500 - BASEMENT PLAN - ACCESS DOOR AREAS	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	



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 Securiton M62
- 1 STI Emergency release button with alarmed cover
- 2 Closers LCN 4040

HW-7 (Door 13 - Pedestrian Gate)

- 1 Exit Device WEMB by Securiton (or equal)
- 1 Electric Strike 9600 by HES Innovations (or equal)
- 1 Door Loop by Securiton (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

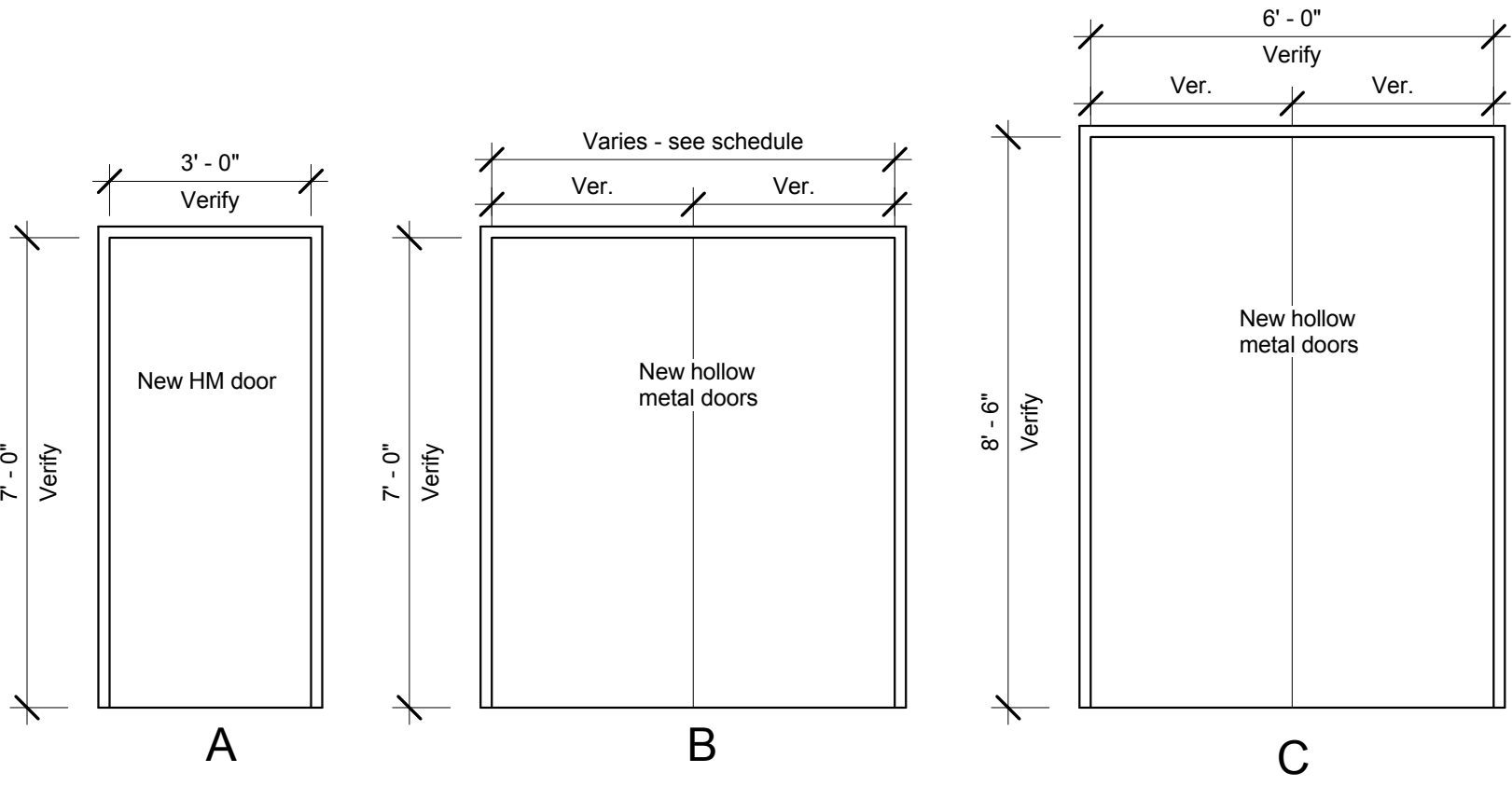
Door Mark Legend

- (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	6' - 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

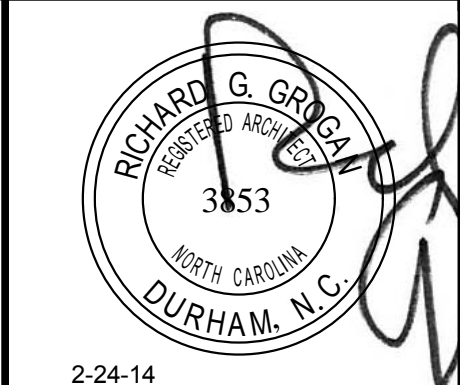


DOOR ELEVATIONS

3/8" = 1'-0"

CONSTRUCTION DOCUMENTS

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

Drawing Title:	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.3
Sheet	6 of 12

