



Partners
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June 6, 2005

**Skilled Nursing Care / Mental Health Unit /
HIV – AIDS Unit and Renovation of Related
Support Facilities for
ELAYN HUNT CORRECTIONAL CENTER
LA State Project No. 08-413-97B-1, Part 7**

Addendum No. Three

The following items shall be considered part of the Contract Documents for the above referenced project and shall take precedence over any conflicting statements contained therein. Revise all other notes, schedules, details, elevations, and sections as required.

General Bidding Information: All bid Drawings, Specifications, and Addenda are available for pickup at Letterman's Blue Print & Supply Co. and are also available at the following web address: www.cparch.com (Contractor Bid Packages)

Civil Drawings

- 1) Refer to the attached Civil Addendum items from Forte & Tablada dated May 27th, 2005 (Two (2) 8.5"x11" pages of text and Four (4) 30"x42" sheets C1.10, C1.11, C1.12, C1.40.)

Architectural Drawings

- 1) In Building One only areas indicated on A2.12/A2.12 Alt. # 3 with a solid line and noted "CMU wall w/ # 5 bars vertical each cell and Horizontal ladder type reinforced at each courses (grout filled)" are concrete filled masonry. Building Six does not have any concrete masonry filled walls. Buildings Two, Four, & Five have concrete masonry filled walls. All exterior walls are load bearing walls.
- 2) The thickness of the concrete canopy slab is 4". See attached revised A1.03 for dimension/scale clarification.
- 3) The concrete slab at the fence is a walkway 12'-0" wide as indicated on 11A1.03. See attached for clarification. The perimeter fencing is 12'-0" as indicated on 1A1.01 and referenced on A1.00. See attached for clarification.
- 4) The General Contractor is responsible for installing all secure and non-secure accessories listed in Specification Section 10800 Toilet and Bath Accessories.
- 5) Remove all existing VCT in Building # 3 from areas that the Finish Schedule calls for new VCT.
- 6) The Contractor may use regular 4" CMU (Not colored or scored) in the concealed areas of the double gables.
- 7) As indicated in the Specifications, dispose of all surplus earth offsite.
- 8) The sealed concrete listed on the finish schedule **is** the same material listed in Specification Section 03300-5-E "Sealer and Hardware".
- 9) Please see attached revised A2.14 for clarification of transaction counters.

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- 10) The wall height for the 4'-8" walls separating the transaction counters shall be to the underside of the metal deck.
- 11) Specification Section 07620 calls for pre-painted aluminum. This should be revised to state pre-painted steel.
- 12) Regarding Specification Section 04200-2.1-C-5 (Integral water repellent), this is not limited to the decorative ceiling only. This applies to all exterior exposed CMU walls to be painted.
- 13) Regarding Specification Section 04200-2.1-C-4a, split-faced blocks shall have scored joints as indicated on drawings.
- 14) The post size required at the canopy fence is 4"x4".
- 15) Please refer to A2.60 in the issued drawing set for wood fencing requirements.
- 16) The conflict between page IB 2 and the proposal form for the amount of Liquidated damages is addressed in Addendum One. Please refer to the website for a copy.
- 17) The Standard Conditions take precedent over the Structural Steel Specifications regarding responsibility of testing.
- 18) The Security Chain Linking Specifications are mislabeled as "rough draft" and should be taken as Final Draft documents.
- 19) The Millwork Contractor may furnish letter stating that the millwork is up to AWI construction standards in lieu of AWI certification.
- 20) It is not the intent to repaint the entire renovated area of Alternate # 2 including door frames and trim.
- 21) Reference detail 11A5.10 for sections and elevations of exam room millwork for Alternate #2.
- 22) There is reinforcement at the interior cell partition walls, reference sheet A2.52
- 23) The roof at the Guard Tower should be a metal roof w/ the same vented insulation as the rest of the new buildings in this job.
- 24) Reinforcement at sidewalks shall be WWF 4X4W4.0.
- 25) Revise the note for 5A2.21 to read: 2X2 WOOD BLOCKING W/ SPACING @ 24" O.C., **RUN 2X2 WOOD BLOCKING VERTICALLY @ 12" O.C.**
- 26) **Add Specification Section 07120 – Cold Fluid Applied Waterproofing.**
Refer to the attached specification 07120-1 through 07120-4.
- 27) **Add Specification Section 07210 – Building Insulation.**
Refer to the attached specification 07210-1 through 07210-5
- 28) **Add Specification Section 11195 – Protective Padding Specifications.**
Refer to the attached specification 11195-1 through 11195-2

Structural Items

- 1) Refer to the attached Structural items from Mckee & Deville dated May 25, 2005 (One (1) Page 8.5"x11" of text).

Mechanical Items

- 1) Refer to the attached Mechanical and Plumbing Addendum items from AST Engineers dated June 2, 2005 (Ten (10) 8.5"x11" pages of text and three (3) 8.5"x11" sketches (1M3.12R1) which include drawing clarifications, specification information, and prior approvals.)

Electrical Items

- 1) Refer to the attached Electrical Addendum items from Forte & Tablada dated June 3, 2005 (Five (5) 8.5"x11" pages of text which include drawing and specification clarifications.)

PRIOR APPROVALS - Acceptance of a particular manufacturer does not excuse that particular manufacturer from meeting the plans and specification. Compliance with **all requirements** listed in the specifications is the responsibility of the prior approval manufacturer.

- a) **Specification Sections 04200**
Tupelo Concrete Products, Inc. is prior approved.
- b) **Specification Sections 06402**
Tippen's Specialty Millwork, LLC. is prior approved.
- c) **Specification Sections 07120**
Sonneborn HLM 5000 is prior approved.
- d) **Specification Sections 07120**
Carlisle is prior approved.
- e) **Specification Sections 09511**
BPB America, Inc. is prior approved
- f) **Specification Sections 09680**
Beaulieu Commercial is prior approved
- g) **Specification Sections 10441**
Arnold & Associates Interiors, Inc. is prior approved.
- h) **Specification Sections 10800**
Martin Building Specialties, Inc. is prior approved.
- i) **Specification Sections 11194**
GE Advanced Materials is prior approved.
- j) **Specification Sections 13120**
United Structures of America, Inc. is prior approved.

End of Addendum No. Three

ADDENDUM INFORMATION CIVIL
ELAYN HUNT SKILLED NURSING FACILITY
State Project No. 08-413-97B-1, Part 7
F&T Job No. 84637

TO ALL CONTRACTORS

The following items shall be considered part of the Contract Documents and shall be included in same when Construction Contract is executed. Changes made by Addenda shall take precedence over original Documents. Any changes, which may affect construction or proper installation of materials, equipment or fixtures, not specifically mentioned in this Addendum, should be brought to the attention of Designer before submitting bid. Otherwise, such conditions, if found later to exist, must be worked out in an acceptable manner without additional cost to the Owner. Prime Contractors are hereby advised to call attention of all subcontractors to changes, which may affect their work.

DRAWINGS

DRAWING C1.01; NOTE NO. 3

Delete "(BY OWNER)"

DRAWING C1.01

The outline of Additive Alternate #3 was inadvertently shown on this sheet, please ignore.

DRAWING C1.10

Insert Revised Drawing C1.10 (Revision 2, 05/27/05)

DRAWING C1.11

Insert Revised Drawing C1.11 (Revision 2, 05/27/05)

DRAWING C1.12

Insert Revised Drawing C1.12 (Revision 2, 05/27/05)

DRAWING C1.20

Add Note "8. ALL MANHOLES AND CLEANOUTS IN THE COMPOUND ARE TO HAVE LOCKING COVERS"

DRAWING C1.22

Add Note "2. EXISTING INFLUENT SCREEN STRUCTURE HAS A 10" DUCTILE IRON FLANGE READY FOR TIE IN."

DRAWING C1.40

Insert Revised Drawing C1.40 (Revision 2, 05/27/05)

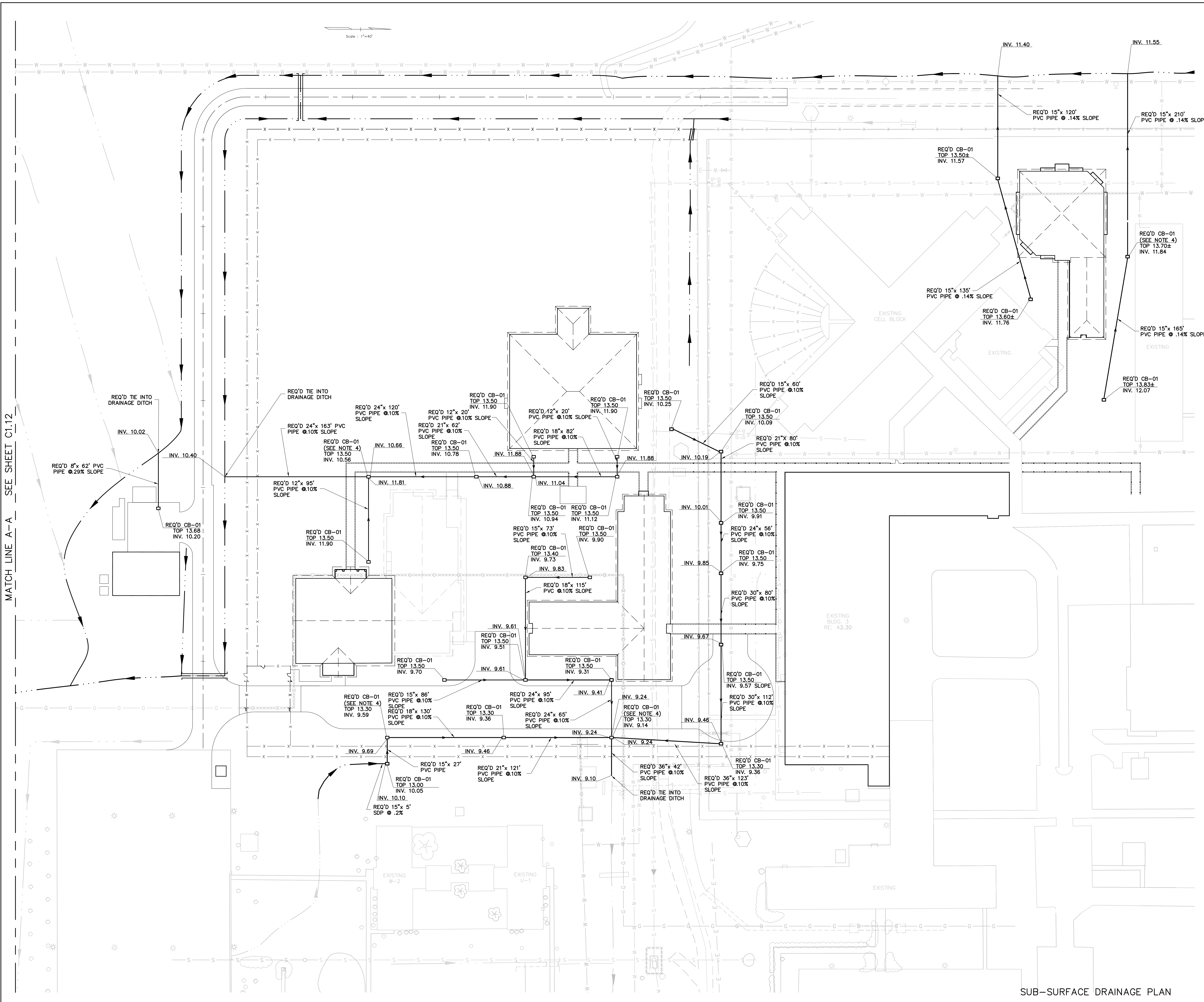
DRAWING C1.42; NOTE NO. 1

Add "GORMAN RUPP 7'X10' ABOVE GROUND, MODEL T6A3-B"

DRAWING C1.44; DETAIL 1

Combination Air Valve Assembly to be a Valmatic, 2", #802ABW-WW Single Body
Combination or pre-approved equal.

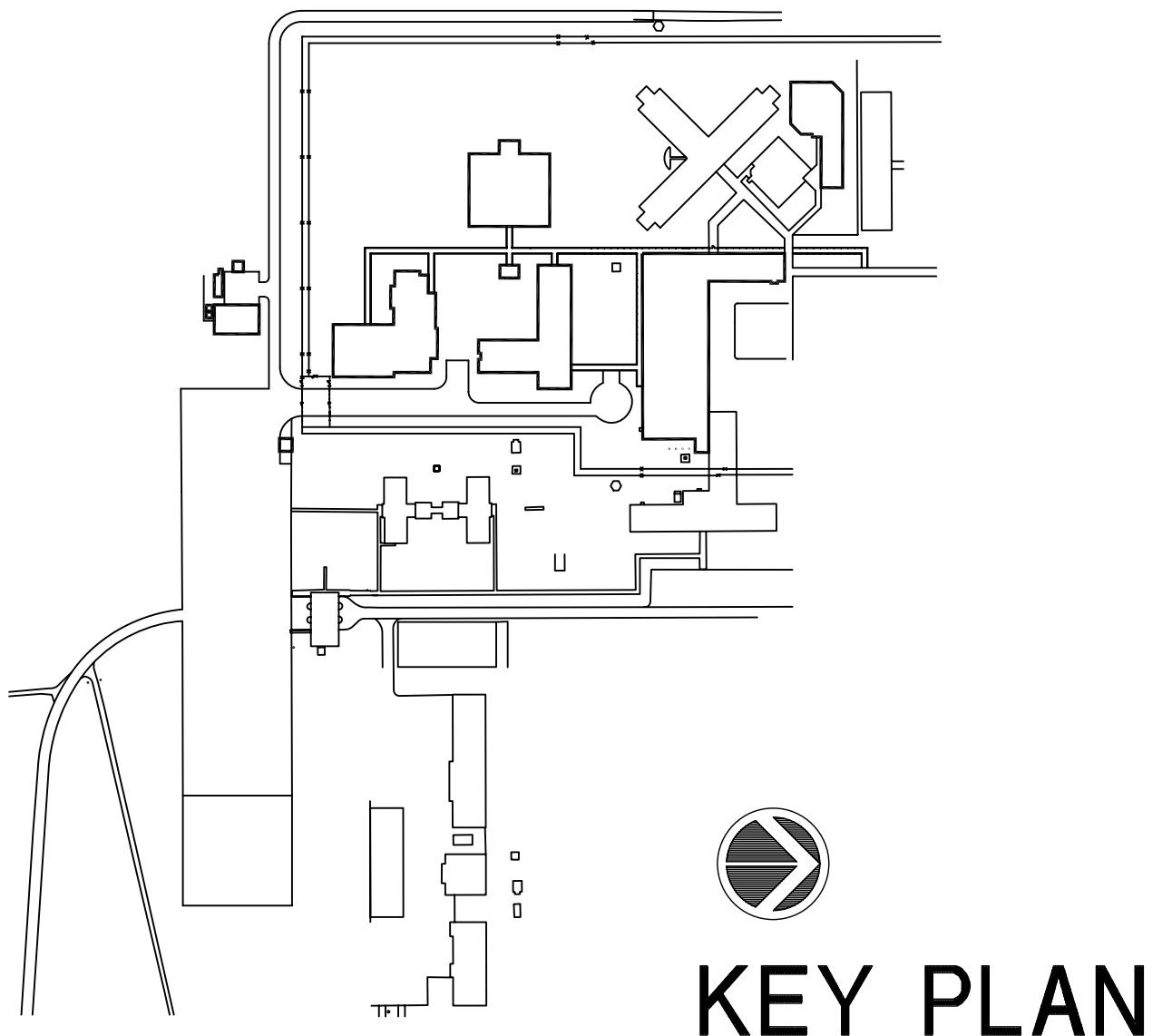
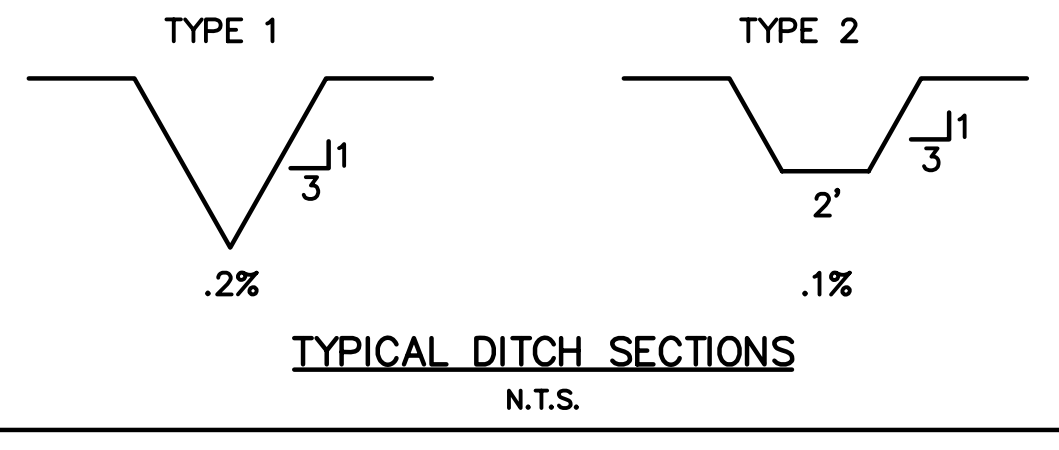
Scale: 1"=40'



LEGEND

- SIGN
- BUSH
- TREE
- HEDGE
- LIGHT POLE
- FENCE
- BACHELOR OFFICER QUARTERS
- TRANSFORMER PAD
- GEN. BLDG. GENERATOR BUILDING
- WATER METER
- FIRE HYDRANT
- SEWER MANHOLE
- TELEPHONE MANHOLE
- ELECTRICAL MANHOLE
- SEWER DRAIN
- CATCH BASIN
- GAS VALVE
- SEWER CLEAN OUT
- ELECTRICAL CONDUIT
- STUB-OUT
- DRAINAGE INLET
- DRAINAGE LINE
- EXIST. ELEVATION
- PROPOSED ELEVATION
- PVC POLYVINYL CHLORIDE
- REQ'D DITCH CENTERLINE

- NOTES:**
- ALL COVERS FOR MANHOLES, CATCH BASINS AND CLEANOUTS LOCATED WITHIN COMPOUND SHALL HAVE LOCKING LIDS.
 - ELEV. OF CONC. WALKS SHOULD MATCH SLAB ELEV. AT ALL ENTRANCES TO BUILDINGS AND SHOULD BE SLOPED AWAY FROM ENTRANCE AT A 5% SLOPE FOR 5'-0" TO ELEV. 14.20'. ALL CONCRETE WALKS SHALL BE CONSTANT 14.20' EXCEPT AS STATED ABOVE.
 - ALL TOP ELEVATIONS FOR CATCH BASINS ARE ±. CONTRACTOR SHOULD SET CATCH BASINS TO MATCH GRADE AND ENSURE PROPER DRAINAGE.
 - CONCRETE SECURITY CAP TO BE CONSTRUCTED OUTSIDE CB-01. SEE SHEET C1.46
 - CONTRACTOR IS RESPONSIBLE FOR ACTUAL QUANTITIES AT A LUMP SUM PROJECT COST. NO COMPENSATION WILL BE CONSIDERED OR AWARDED FOR DIFFERENCES BETWEEN QUANTITIES SHOWN AND ACTUAL CONSTRUCTION. CALL OUTS INDICATE MAJOR ITEMS ONLY AND NEGLECTS ALL MISCELLANEOUS PIPING, FITTINGS, BEDDING, CONNECTIONS, ETC.
 - BCCMP - BITUMINOUS COATED CORRUGATED METAL PIPE.
 - PVC PIPE SHALL BE RIBBED POLYVINYL CHLORIDE MEETING ASTM F794. PIPE SHALL BE ULTRA-RIB MANUFACTURED BY UPONOR ETI, INC. OR A-2000 MANUFACTURED BY CONTECH CONSTRUCTION PRODUCTS, INC.
 - CATCH BASINS AND PIPE TO HAVE A MINIMUM OF 6" OF BEDDING MATERIAL UNDERNEATH TO BE BACKFILLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

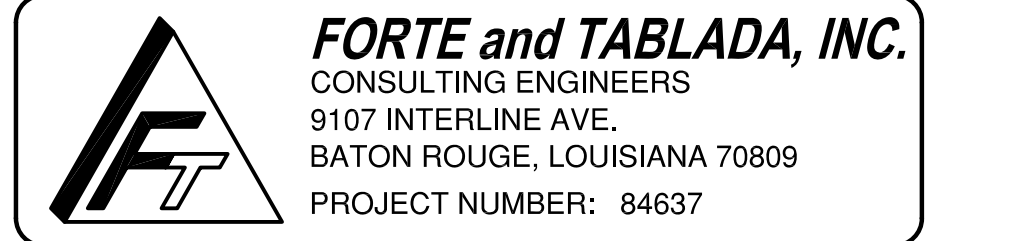


1	03/24/05	REVISIONS PER FM, DH, AND FP&C
2	05/27/05	REVISED SUB-SURFACE DRAINAGE PLAN

NO. DATE REVISION/SUBMISSION

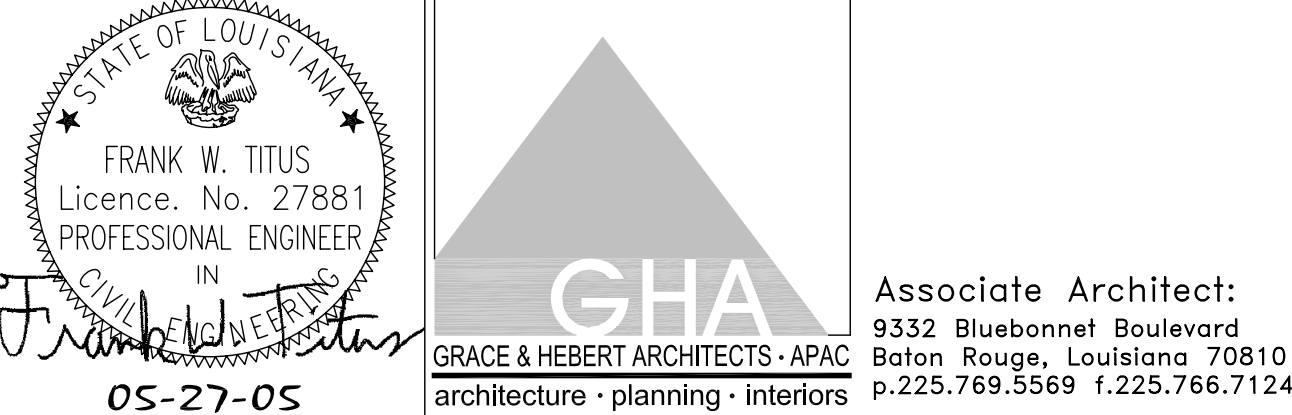
Skilled Nursing Care / Mental Health Unit / HIV AIDS Unit & Renovation of Related Support Facilities

for
ELAYN HUNT CORRECTIONAL CENTER
St. Gabriel, Louisiana
Project No. 08-413-97B-1, Part 7



Robert M. Coleman & Partners Architects A.I.A.

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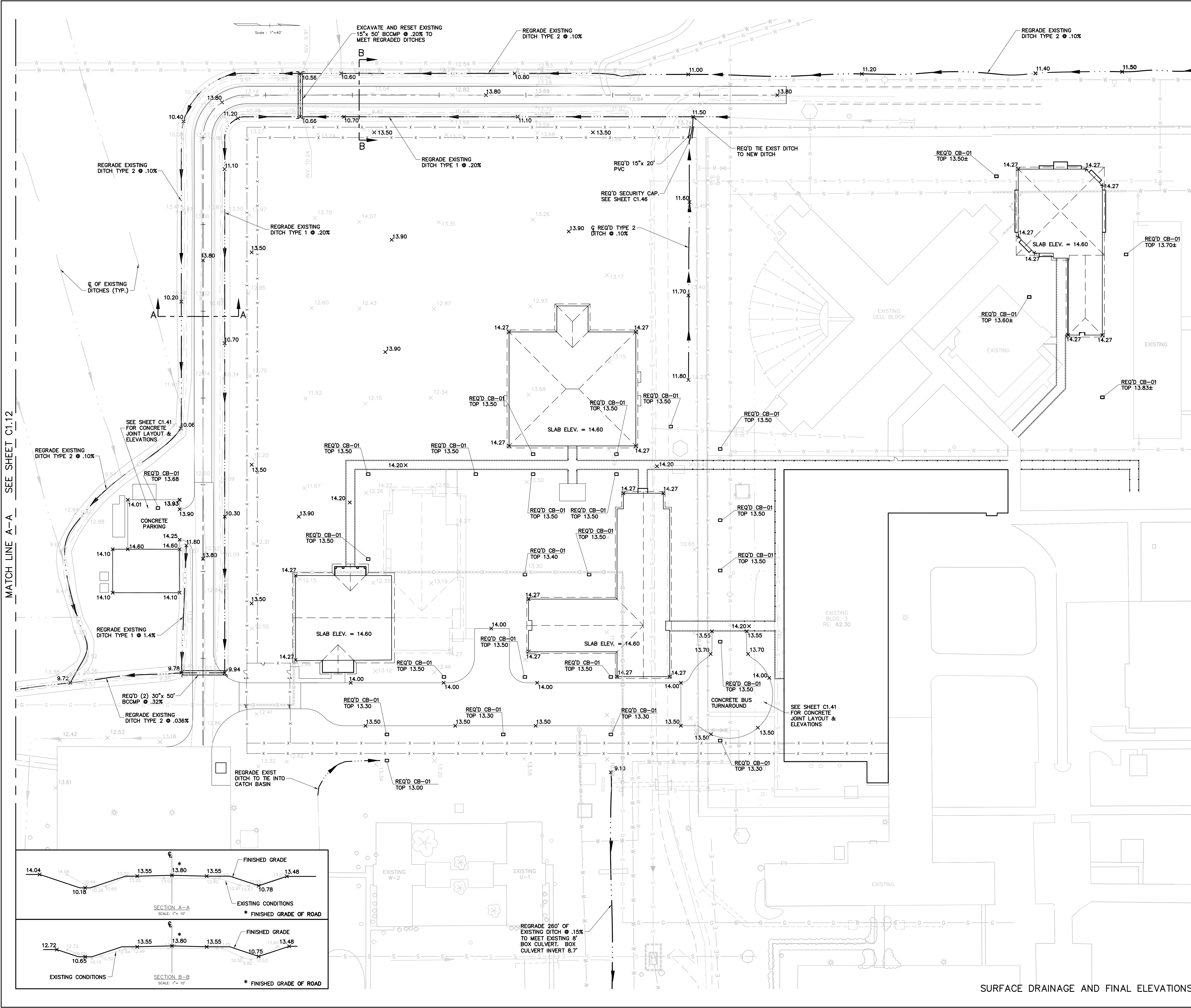


PROJECT NO. 04021 / 520424	SHEET NO. C1.10
DRAWN BY JPO	CHECKED BY FWT / M.K
DATE 12/15/2004	OF

SUB-SURFACE DRAINAGE PLAN

MATCH LINE A-A SEE SHEET C1.12

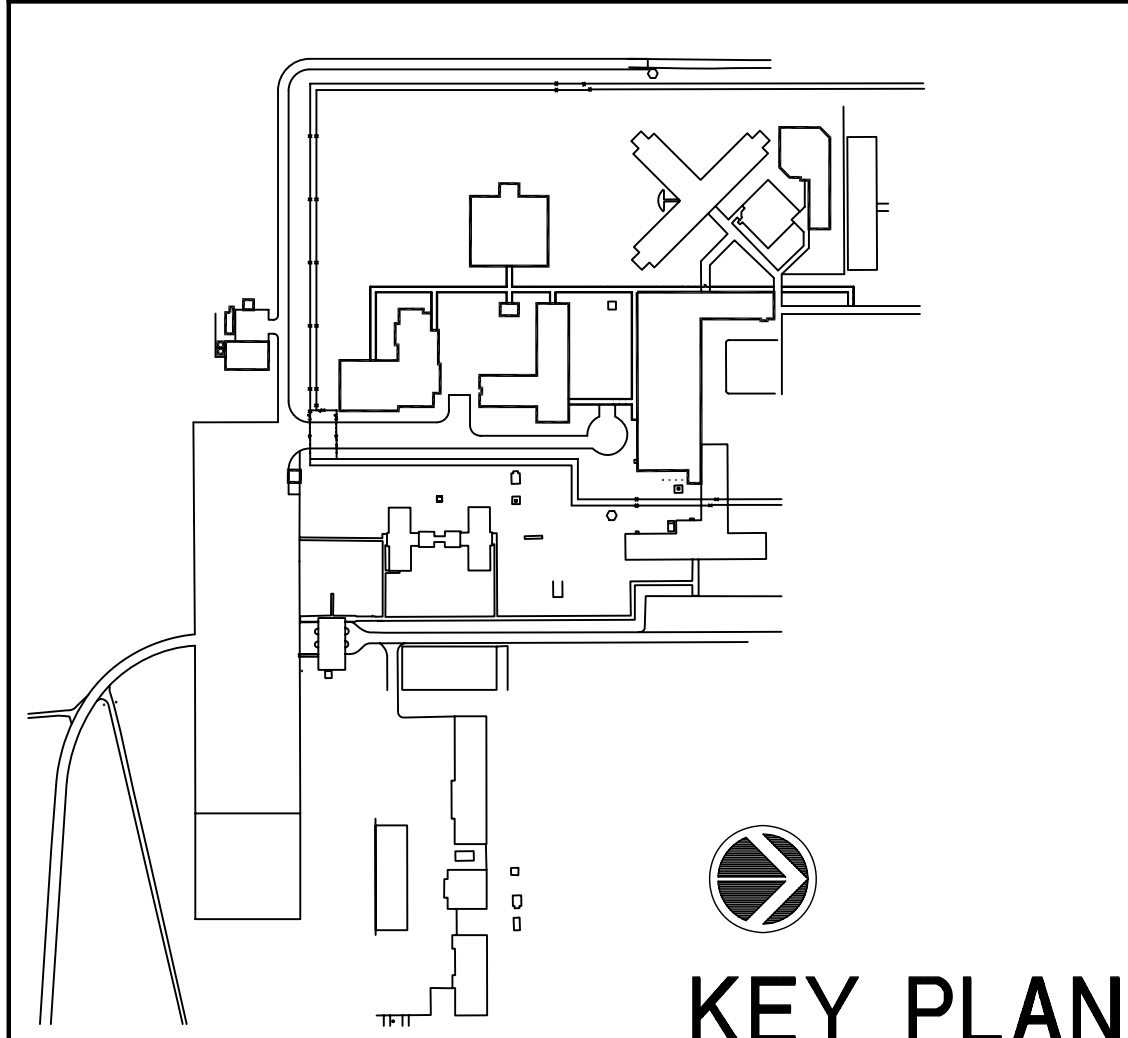
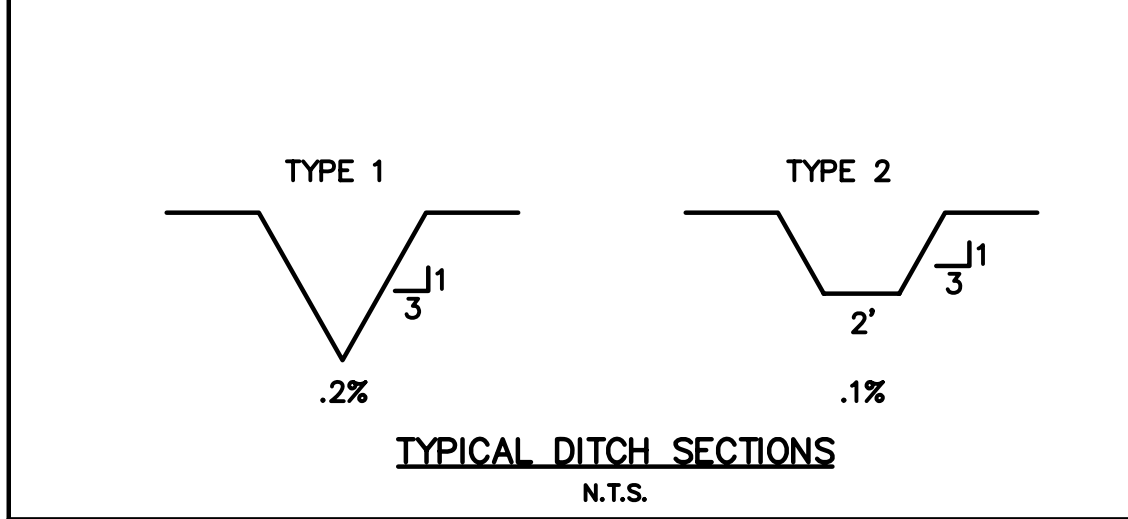
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LEGEND

- SIGN
- BUSH
- CULVERT
- TREE
- HEDGE
- LIGHT POLE
- FENCE
- BACHELOR OFFICER QUARTERS
- TRANSFORMER PAD
- GEN. BLDG. GENERATOR BUILDING
- WATER METER
- FIRE HYDRANT
- SEWER MANHOLE
- TELEPHONE MANHOLE
- ELECTRICAL MANHOLE
- SEWER DRAIN
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- GAS VALVE
- SEWER CLEAN OUT
- ELECTRICAL CONDUIT
- STUB-OUT
- DRAINAGE INLET
- DRAINAGE LINE
- PROPOSED ELEVATION
- EXIST. ELEVATION
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- REQ'D DITCH CENTERLINE

- NOTES:**
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 - BCMP - BITUMINOUS COATED CORRUGATED METAL PIPE.
 - SLOPE GROUND TO DRAIN TO CATCH BASIN OR TO PERIMETER DRAINAGE DITCH.
 - BEFORE STARTING CONSTRUCTION, RESET INDICATED CULVERTS AND REGRADE DITCHES, MAINTAIN DURING CONSTRUCTION.



1	03/24/05	REVISIONS PER FM, DHH, AND FP&C
2	05/27/05	REVISED SURFACE DRAINAGE PLAN

NO. DATE REVISION/SUBMISSION

Skilled Nursing Care / Mental Health Unit / HIV - AIDS Unit & Renovation of Related Support Facilities

for
ELAYN HUNT CORRECTIONAL CENTER
St. Gabriel, Louisiana
Project No. 08-413-97B-1, Part 7

FORTE and TABLADA, INC.
CONSULTING ENGINEERS
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PROJECT NUMBER: 84637

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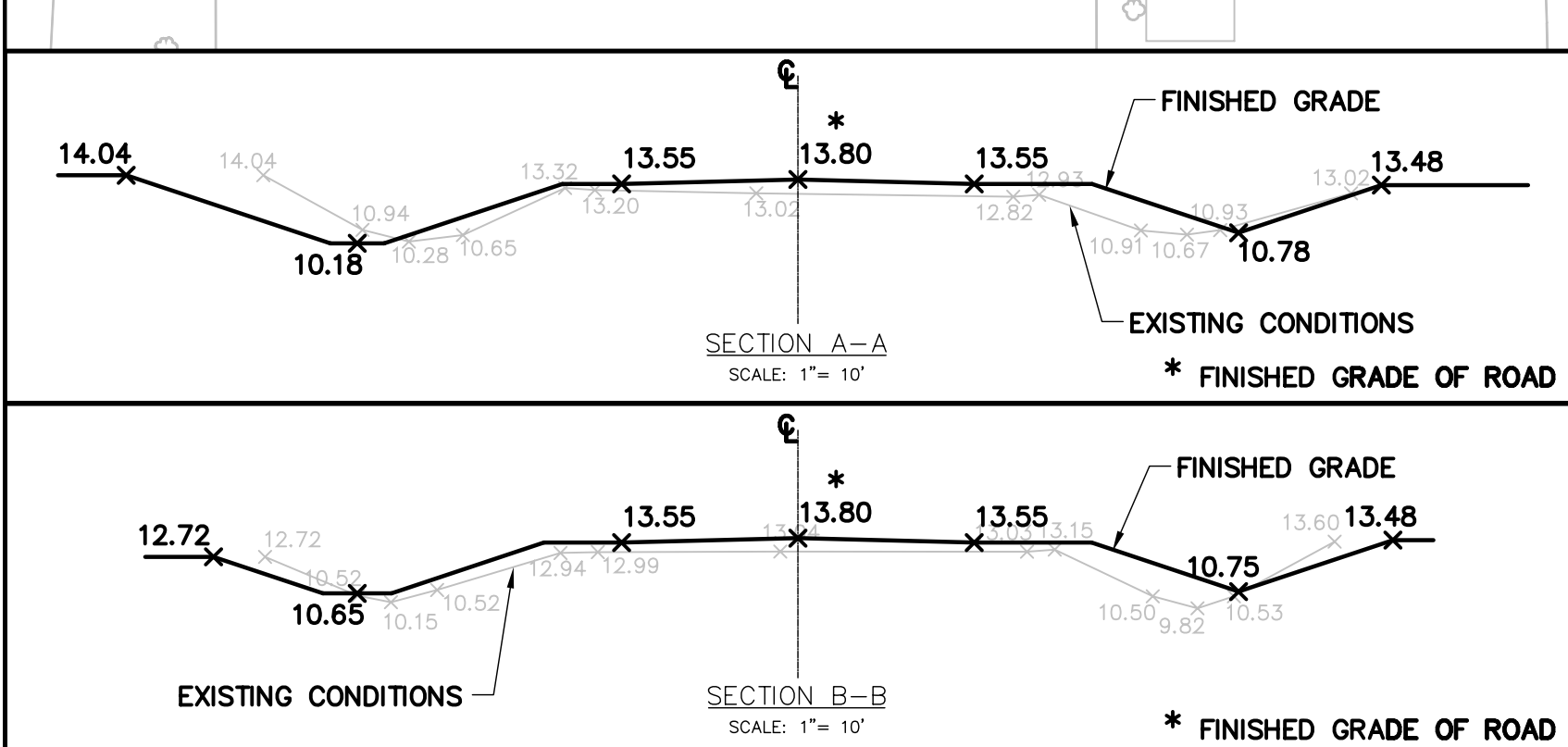
GH A
Associate Architect:
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Baton Rouge, Louisiana 70810
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PROJECT NO. 04021 / 520424 SHEET NO. **C1.11** OF _____

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CHECKED BY FWT / MJK
DATE 12/15/2004

MATCH LINE A-A SEE SHEET C1.12

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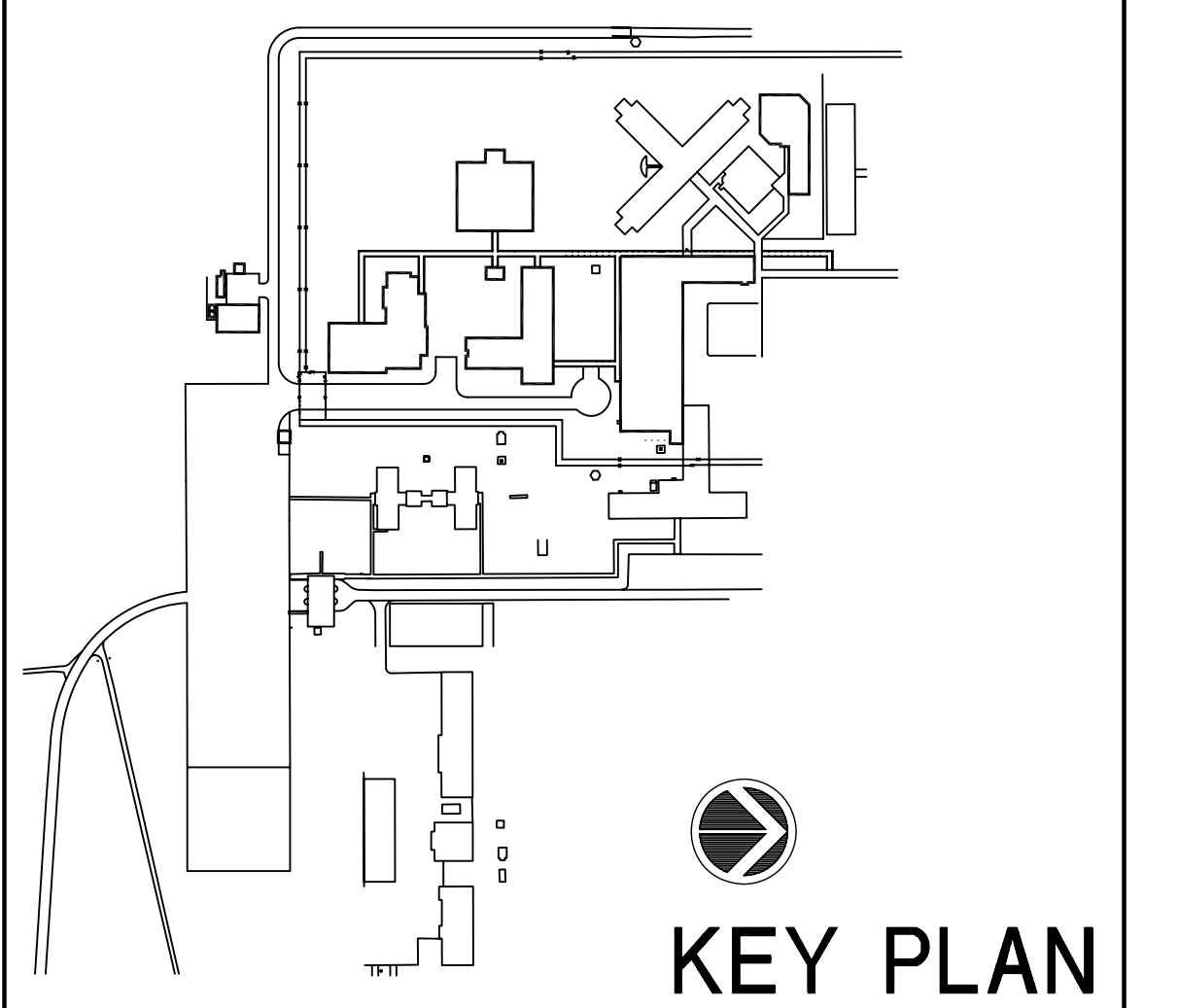
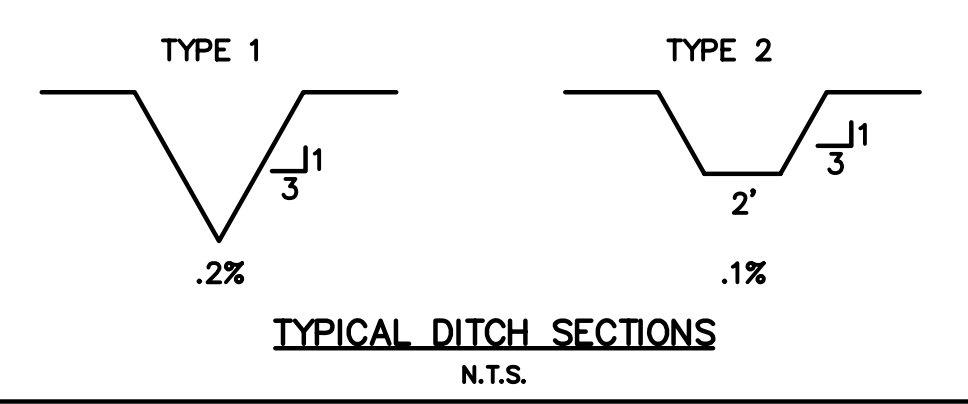


SURFACE DRAINAGE AND FINAL ELEVATIONS

Scale: 1"=40'

LEGEND	
	SIGN
	BUSH
	CULVERT
	TREE
	HEDGE
	LIGHT POLE
	FENCE
	BACHELOR OFFICER QUARTERS
	TRANSFORMER PAD
	GEN. BLDG. GENERATOR BUILDING
	WATER METER
	FIRE HYDRANT
	SEWER MANHOLE
	TELEPHONE MANHOLE
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	SEWER CLEAN OUT
	ELECTRICAL CONDUIT
	STUB-OUT
	DRAINAGE INLET
	DRAINAGE LINE
	PROPOSED ELEVATION
	EXIST. ELEVATION
	PVC
	POLYVINYL CHLORIDE
	REG'D DITCH CENTERLINE

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 6. BCCMP - BITUMINOUS COATED CORRUGATED METAL PIPE.



1	03/24/05	REVISIONS PER FM, DHH, AND FP&C
2	05/27/05	REVISED SURFACE DRAINAGE PLAN

NO. DATE REVISION/SUBMISSION

Skilled Nursing Care / Mental Health Unit / HIV - AIDS Unit & Renovation of Related Support Facilities
for
EALYN HUNT CORRECTIONAL CENTER
St. Gabriel, Louisiana
Project No. 08-413-97B-1, Part 7

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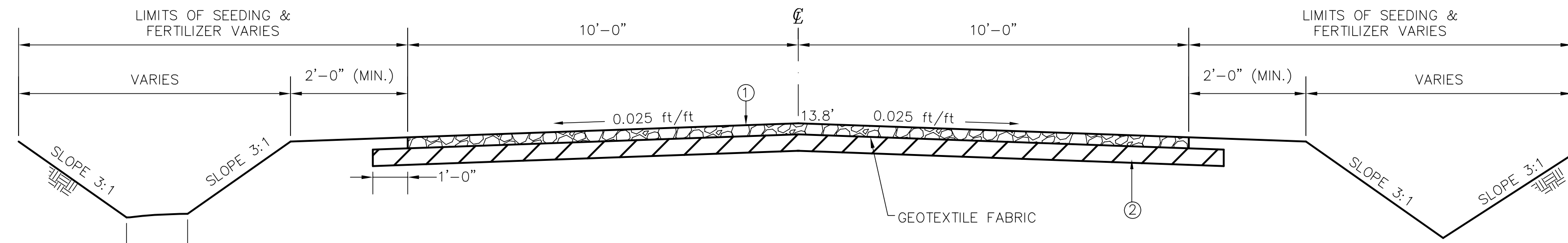
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IN
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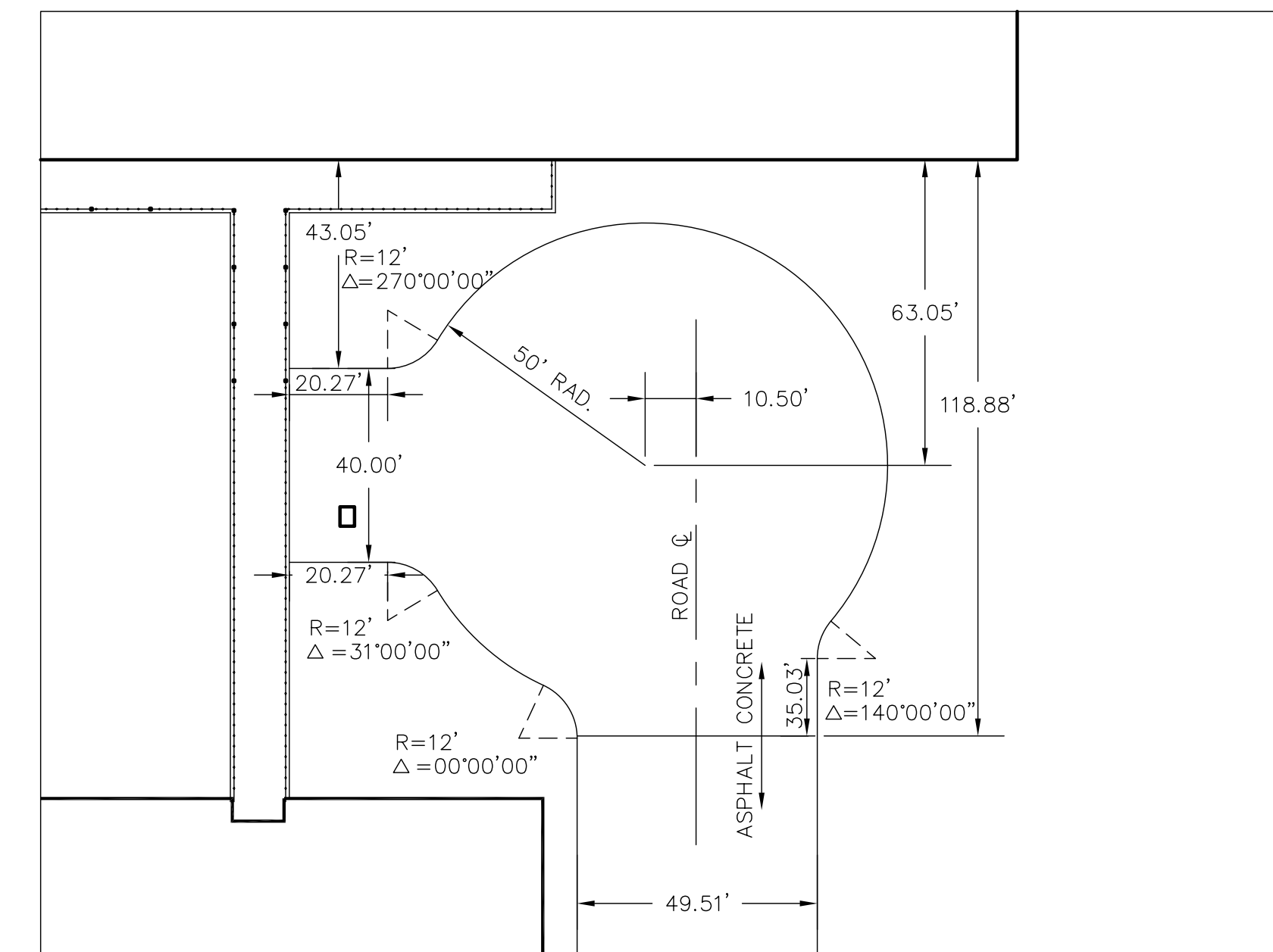
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DRAWN BY JPO	C1.12
CHECKED BY FWT / MJK	
DATE 12/15/2004	





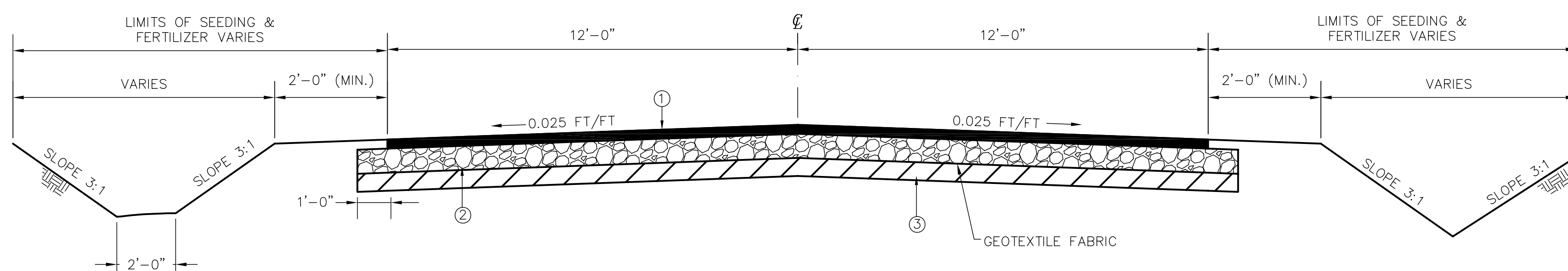
TYPICAL SECTION #1
(AGGREGATE ROADWAY)
SCALE: N.T.S.

- ① 4" THK. #610 LIMESTONE
- ② 6" THK. SOIL WITH LIME TREATMENT COMPACTED TO 92% MODIFIED PROCTOR



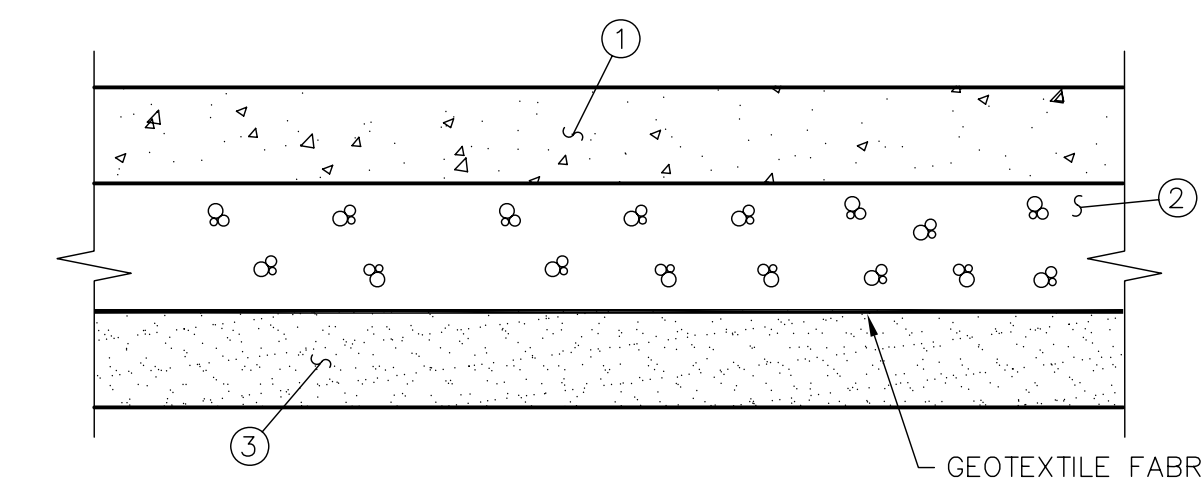
BUS TURNAROUND DETAIL
SCALE: 1" = 30'

NOTES:
1. FOR BID PURPOSES THE CONTRACTOR SHALL USE TEN (10) PERCENT BY VOLUME OF LIME. ACTUAL PERCENT OF LIME TO BE FIELD DETERMINED



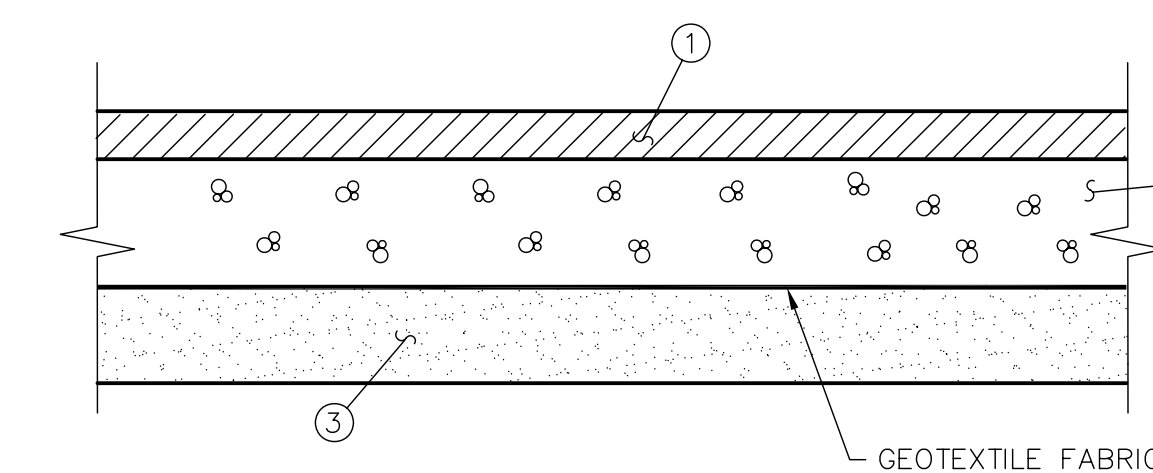
TYPICAL SECTION #2
(ASPHALT ROADWAY)
SCALE: N.T.S.

- ① 4" THK. ASPHALT (2" WEARING COURSE AND 2" BINDER COURSE - TYPE 3)
- ② 12" THK. CRUSHED LIMESTONE COMPACTED TO 90% MODIFIED PROCTOR (#610)
- ③ 6" THK. SOIL WITH LIME TREATMENT COMPACTED TO 90% MODIFIED PROCTOR



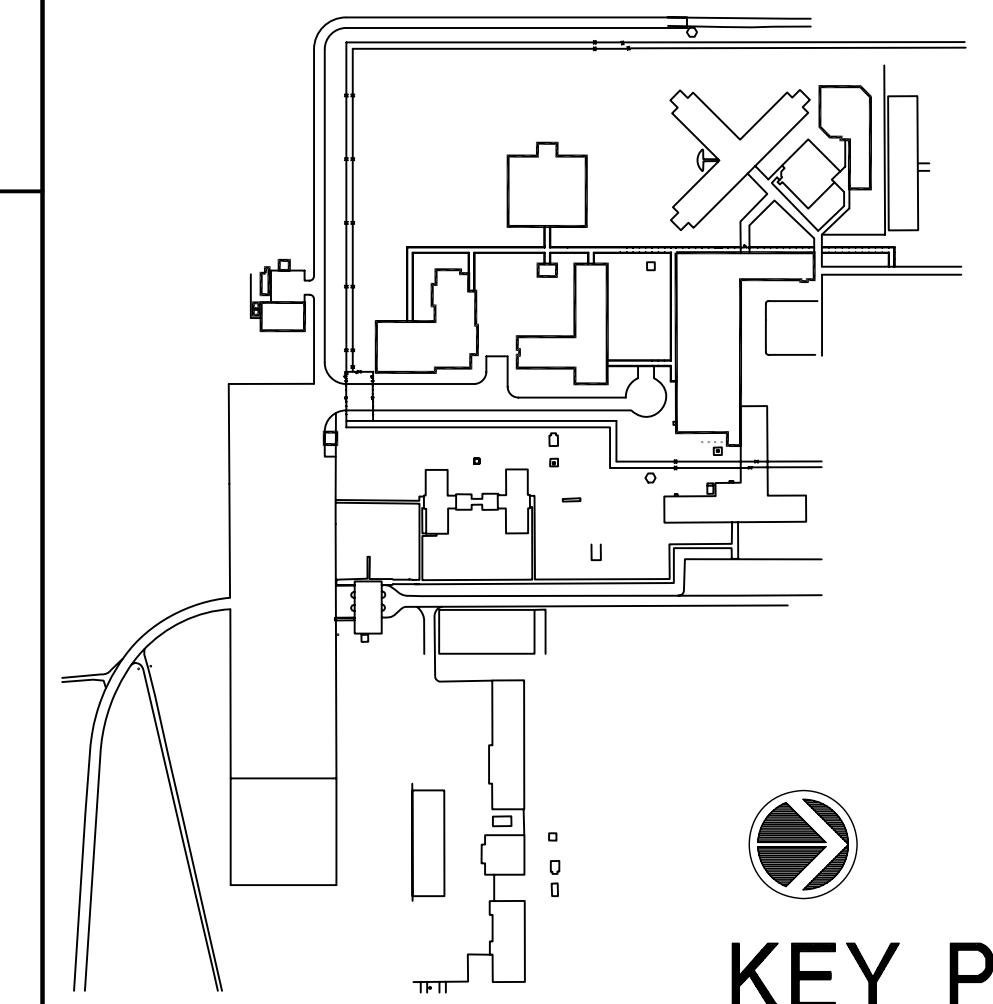
TYPICAL SECTION
CONCRETE PAVEMENTS
SCALE: N.T.S.

- ① 8" P.C.C. PAVEMENT WITH WIRE MESH REINFORCEMENT (6x6-W4xW4)
- ② 10" THK. CRUSHED LIMESTONE COMPACTED TO 75% RELATIVE DENSITY (#610-TWO LIFTS)
- ③ 6" THK. MIN. SOIL WITH LIME TREATMENT COMPACTED TO 90% MODIFIED PROCTOR



TYPICAL SECTION ASPHALT ROADWAY & DRIVES
SCALE: N.T.S.

- ① 4" THK. ASPHALT (2" WEARING COURSE AND 2" BINDER COURSE)(TYPE 3)
- ② 12" THK. CRUSHED LIMESTONE COMPACTED TO 75% RELATIVE DENSITY (#610-TWO LIFTS)
- ③ 6" THK. MIN. SOIL WITH LIME TREATMENT COMPACTED TO 90% MODIFIED PROCTOR



KEY PLAN

1	03/24/05	REVISIONS PER FM, DHH, AND FP&C
2	05/27/05	REVISED TYPICAL SECTION

NO.	DATE	REVISION/SUBMISSION
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Skilled Nursing Care / Mental Health Unit /
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St. Gabriel, Louisiana
Project No. 08-413-97B-1, Part 7

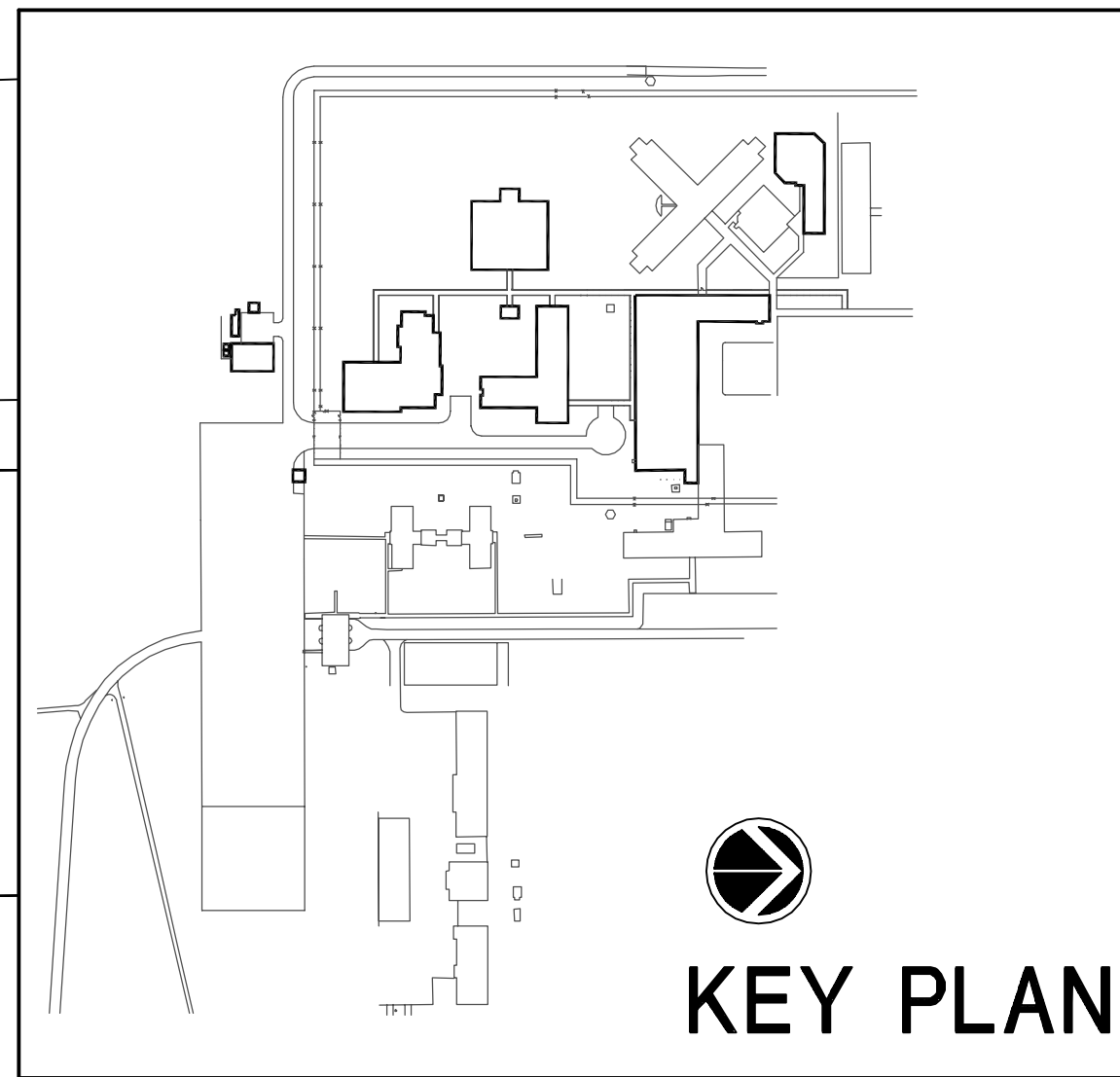
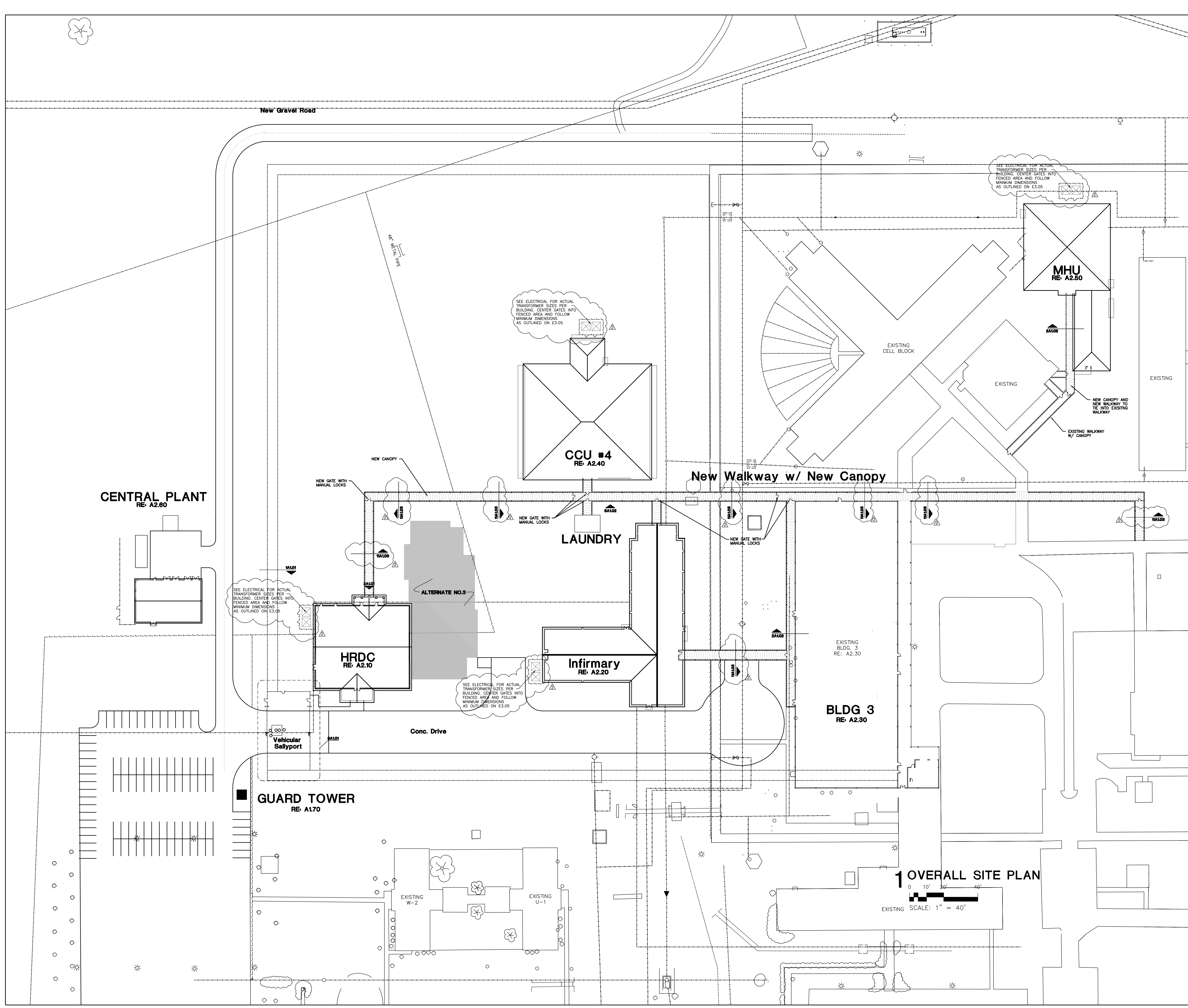
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PROJECT NO. 04021 / 520424	SHEET NO.
DRAWN BY JPO	C1.40 OF
CHECKED BY FWT / MJK	
DATE 12/15/2004	

TYPICAL SECTION & PAVEMENT DETAILS



1	03/24/05	REVISIONS PER FM, DHM, AND FP&C
2	06/03/05	ADDENDUM #3
NO. DATE REVISION/SUBMISSION		
Skilled Nursing Care / Mental Health Unit / HIV - AIDS Unit & Renovation of Related Support Facilities for ELAYN HUNT CORRECTIONAL CENTER St. Gabriel, Louisiana Project No. 08-413-97B-1, Part 7		

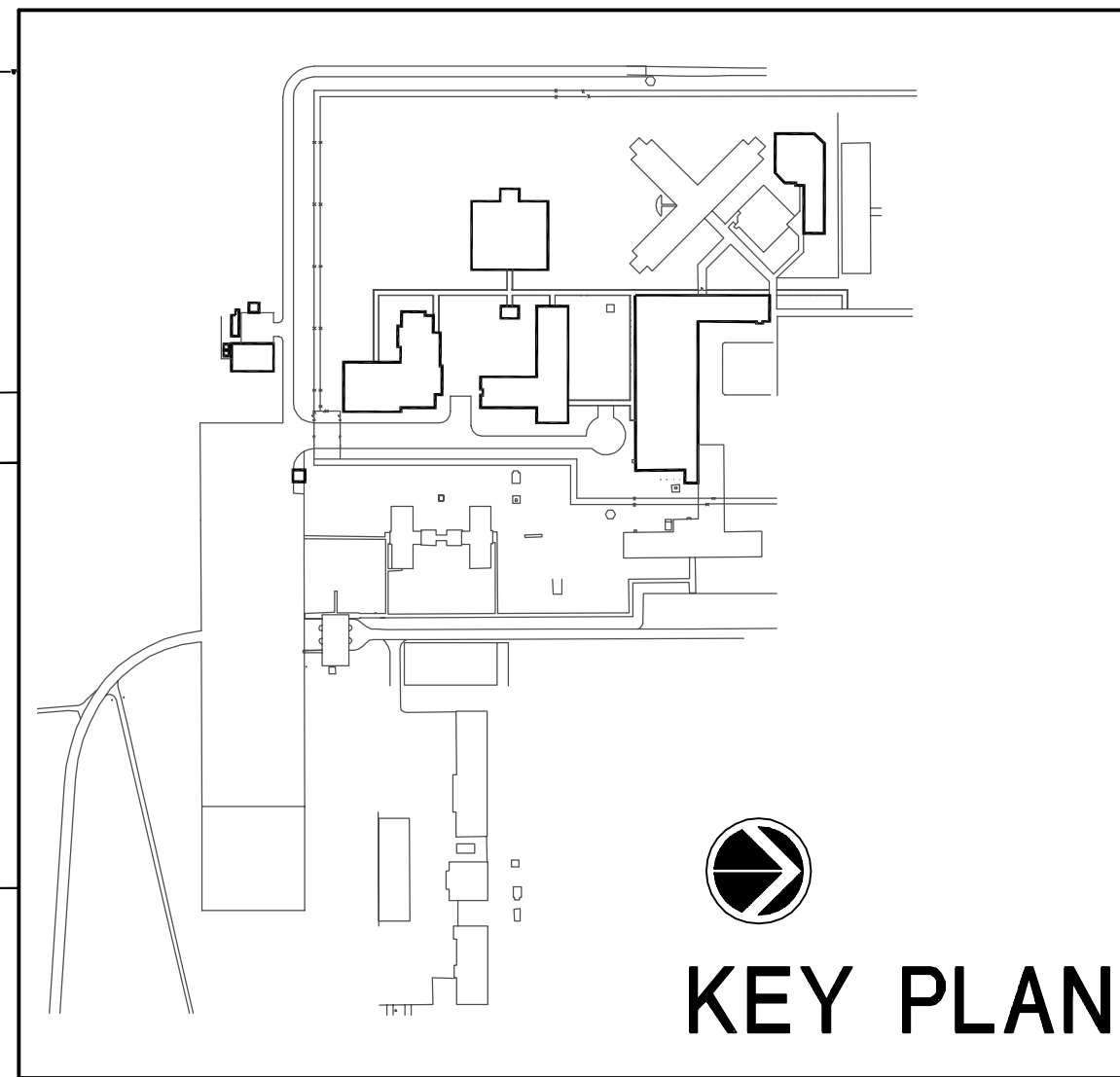
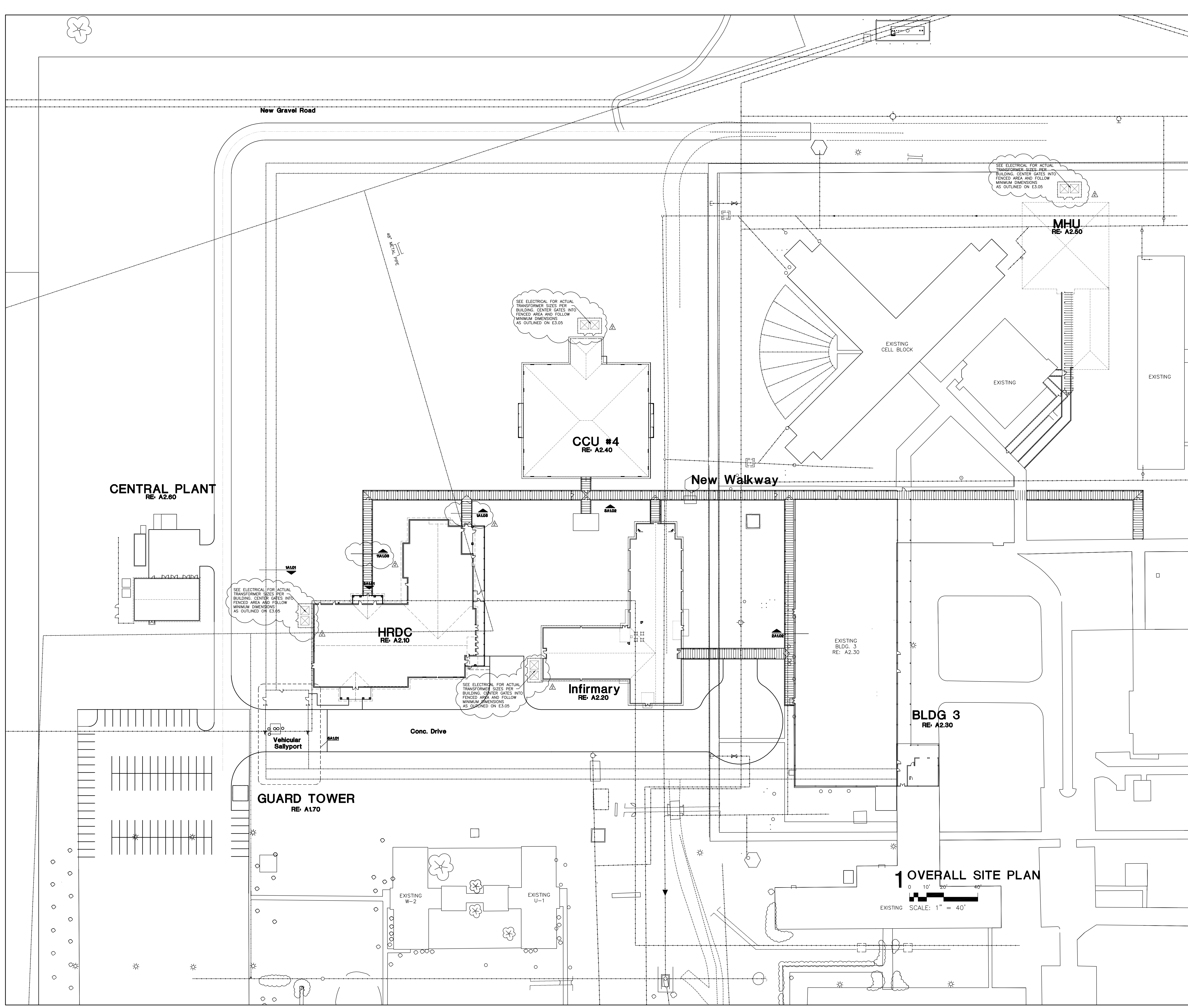
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PROJECT NO. 04021 / 520424
 DRAWN BY
 CHECKED BY
 DATE 12/15/2004

SHEET NO. **A1.00**
 OF

1 OVERALL SITE PLAN
 EXISTING SCALE: 1" = 40'



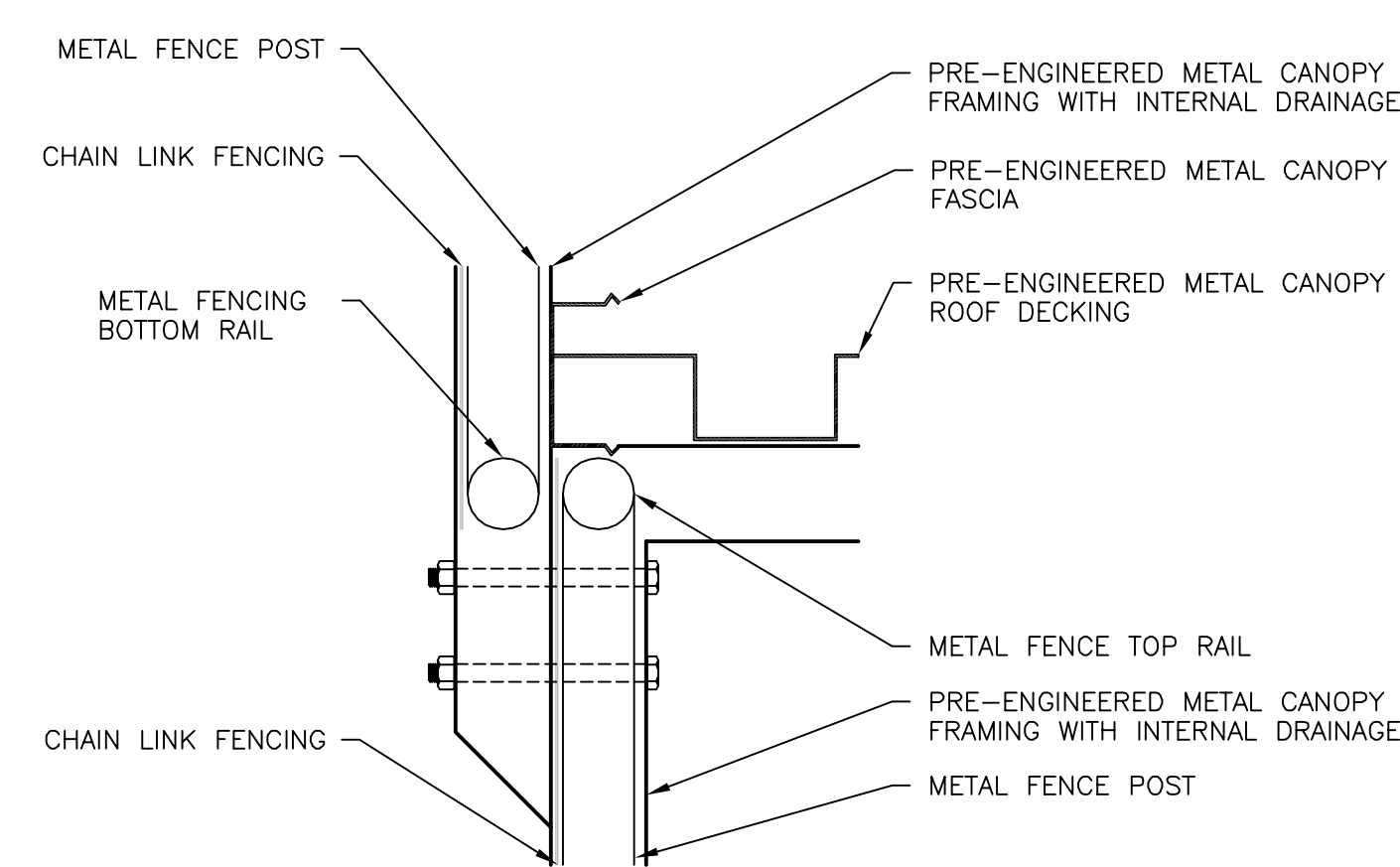
1	03/24/05	REVISIONS PER FM, DHM, AND FP&C
2	06/03/05	ADDENDUM #3
NO. DATE REVISION/SUBMISSION		
Skilled Nursing Care / Mental Health Unit / HIV - AIDS Unit & Renovation of Related Support Facilities		
for		
ELAYN HUNT CORRECTIONAL CENTER		
St. Gabriel, Louisiana		
Project No. 08-413-97B-1, Part 7		

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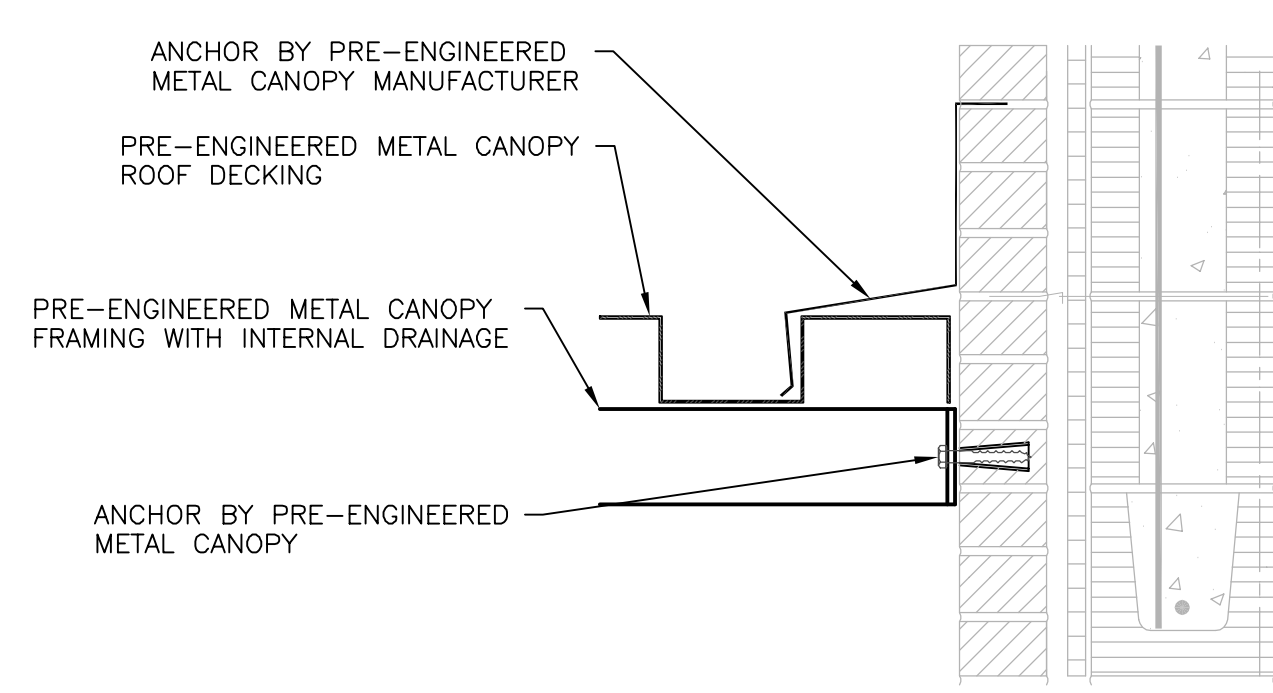
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PROJECT NO. 04021 / 520424 SHEET NO. **A1.00**
DRAWN BY _____ OF _____
CHECKED BY _____
DATE 12/15/2004

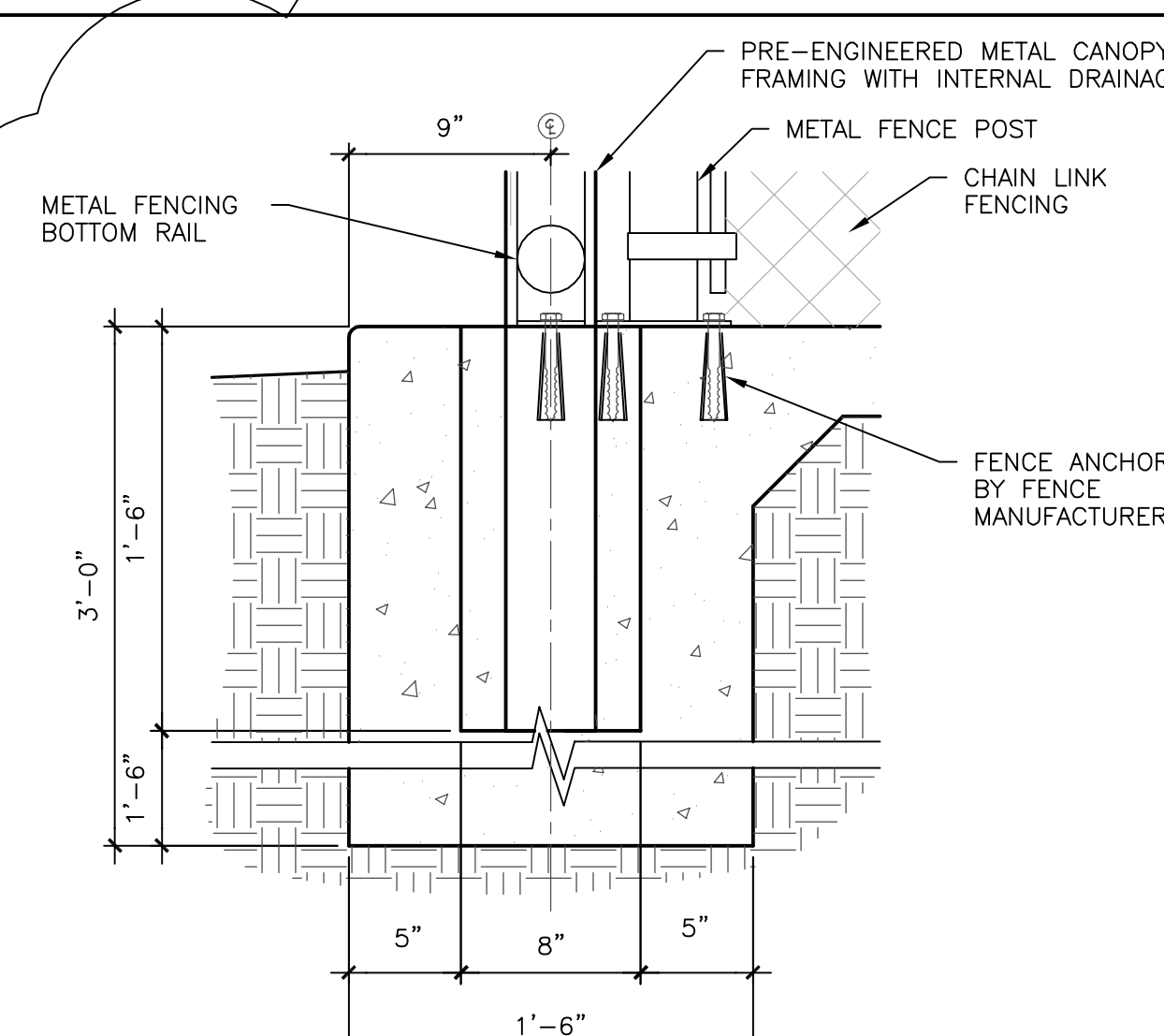
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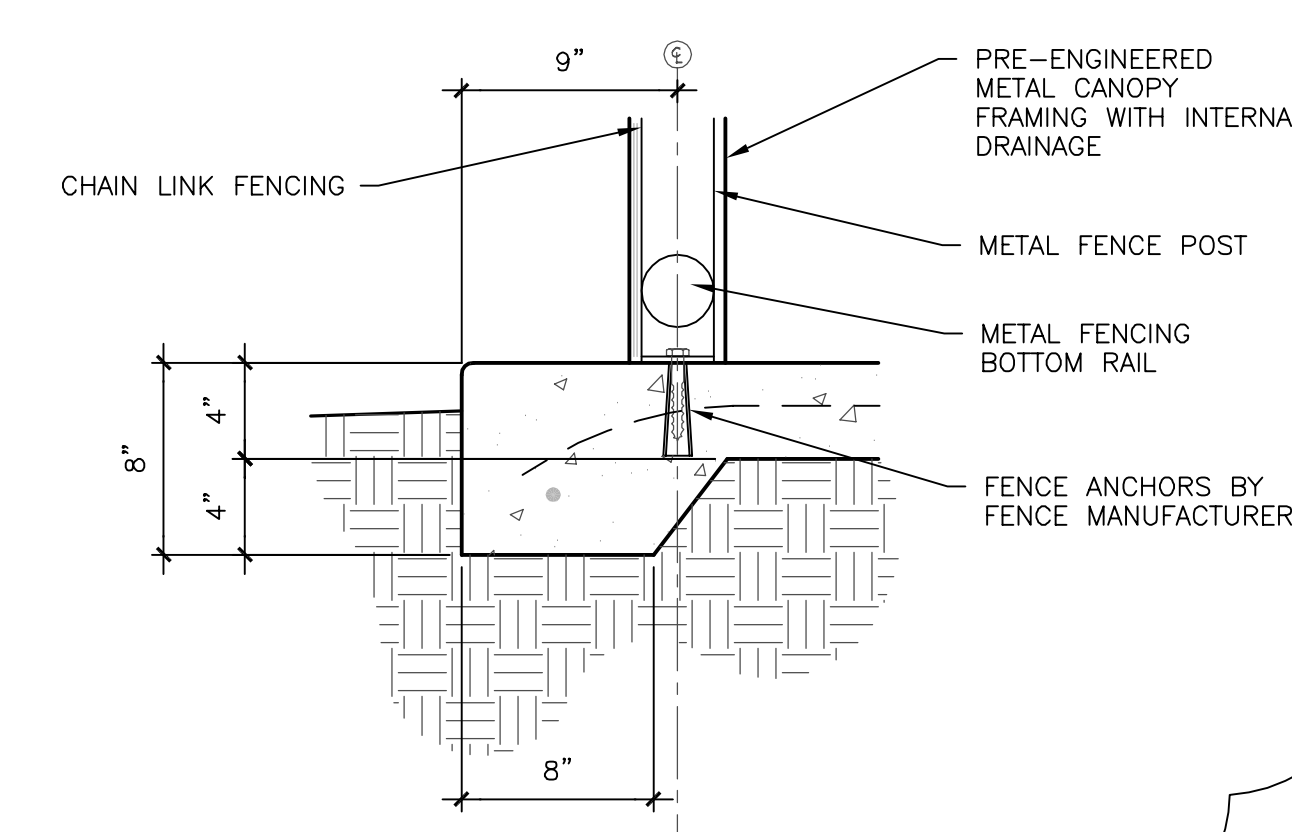
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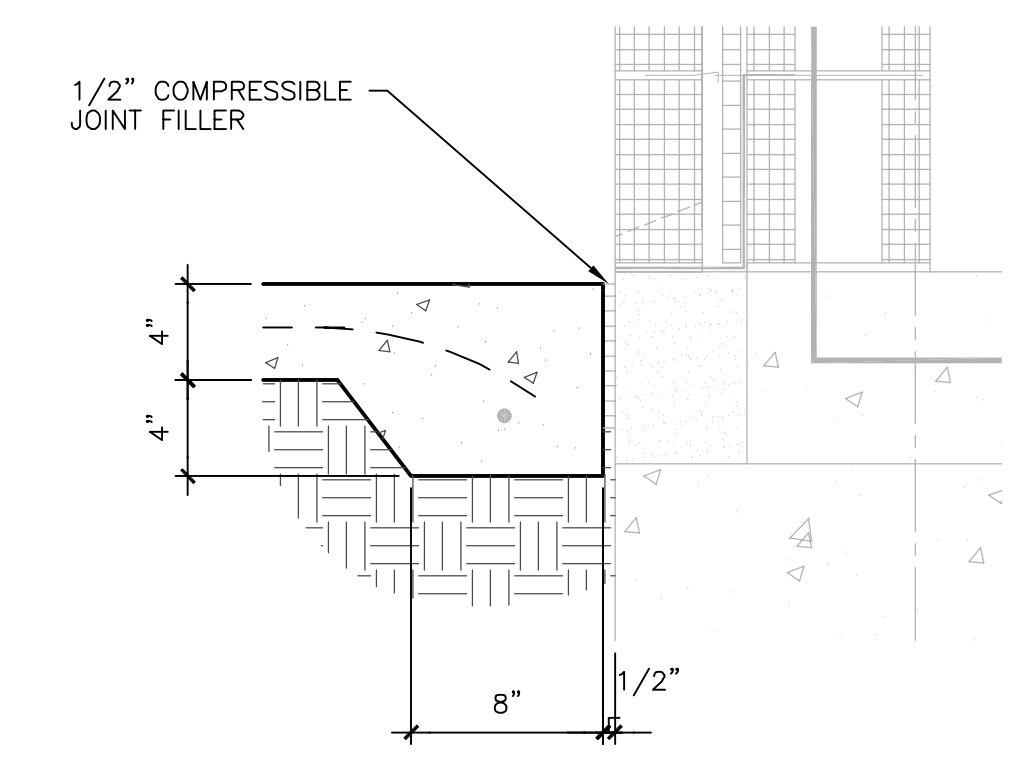
2 CANOPY TO WALL DETAIL
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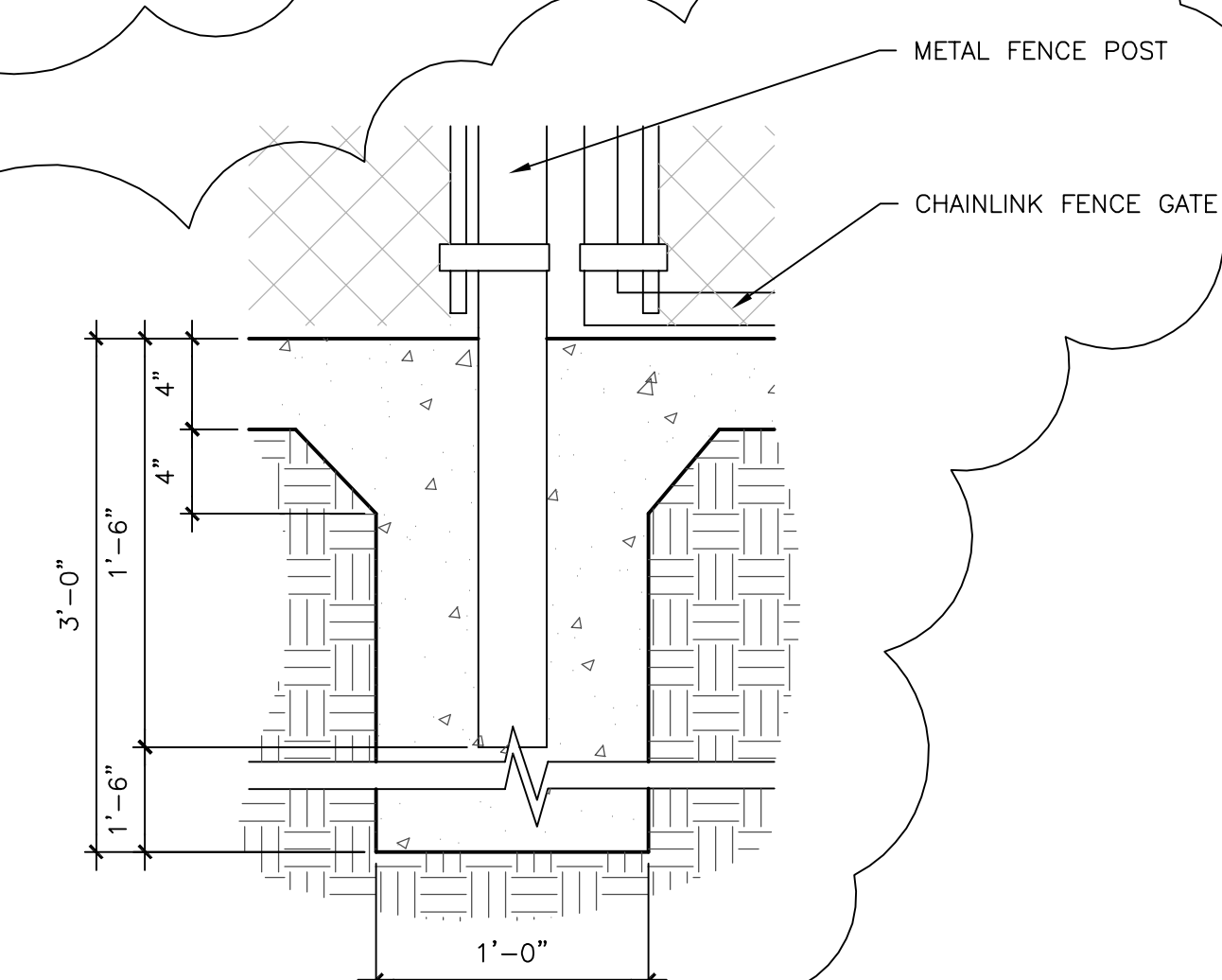
3 CANOPY POST DETAIL
SCALE: 1 1/2" = 1'-0"



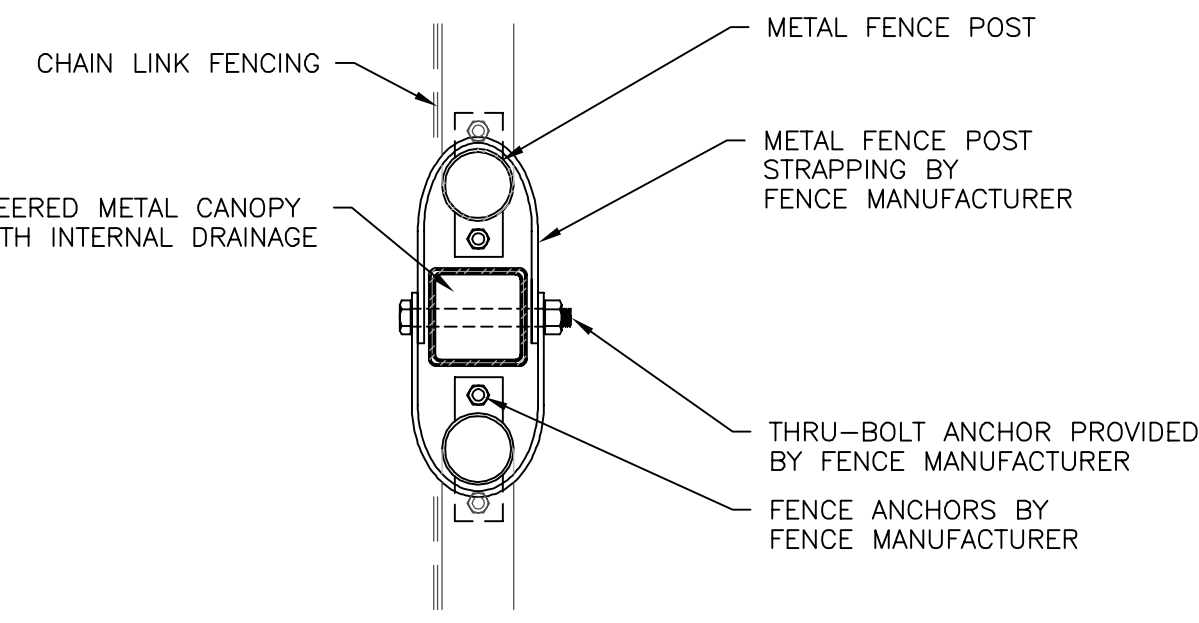
4 POST AND CURB DETAIL
SCALE: 1 1/2" = 1'-0"



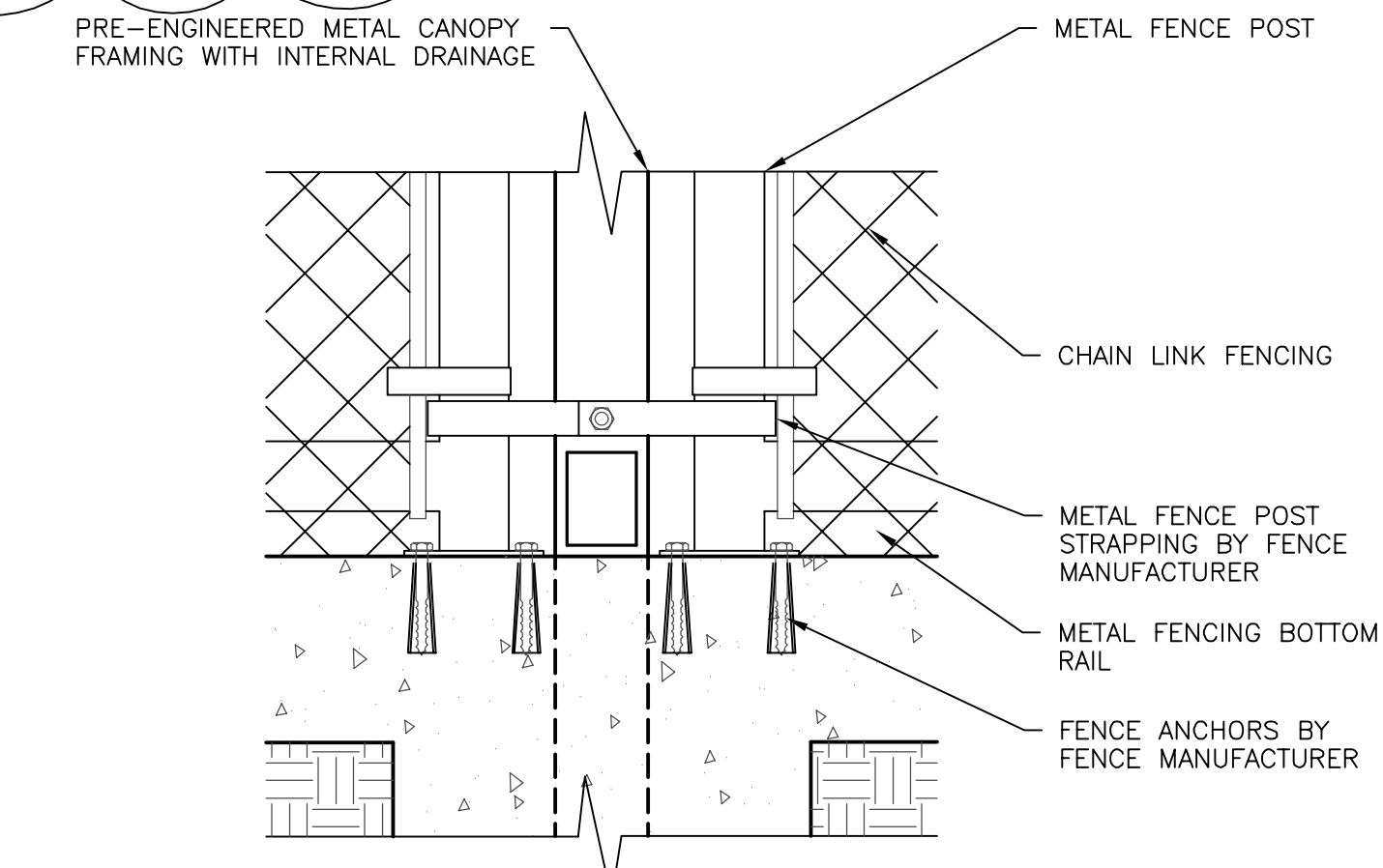
5 CURB DETAIL
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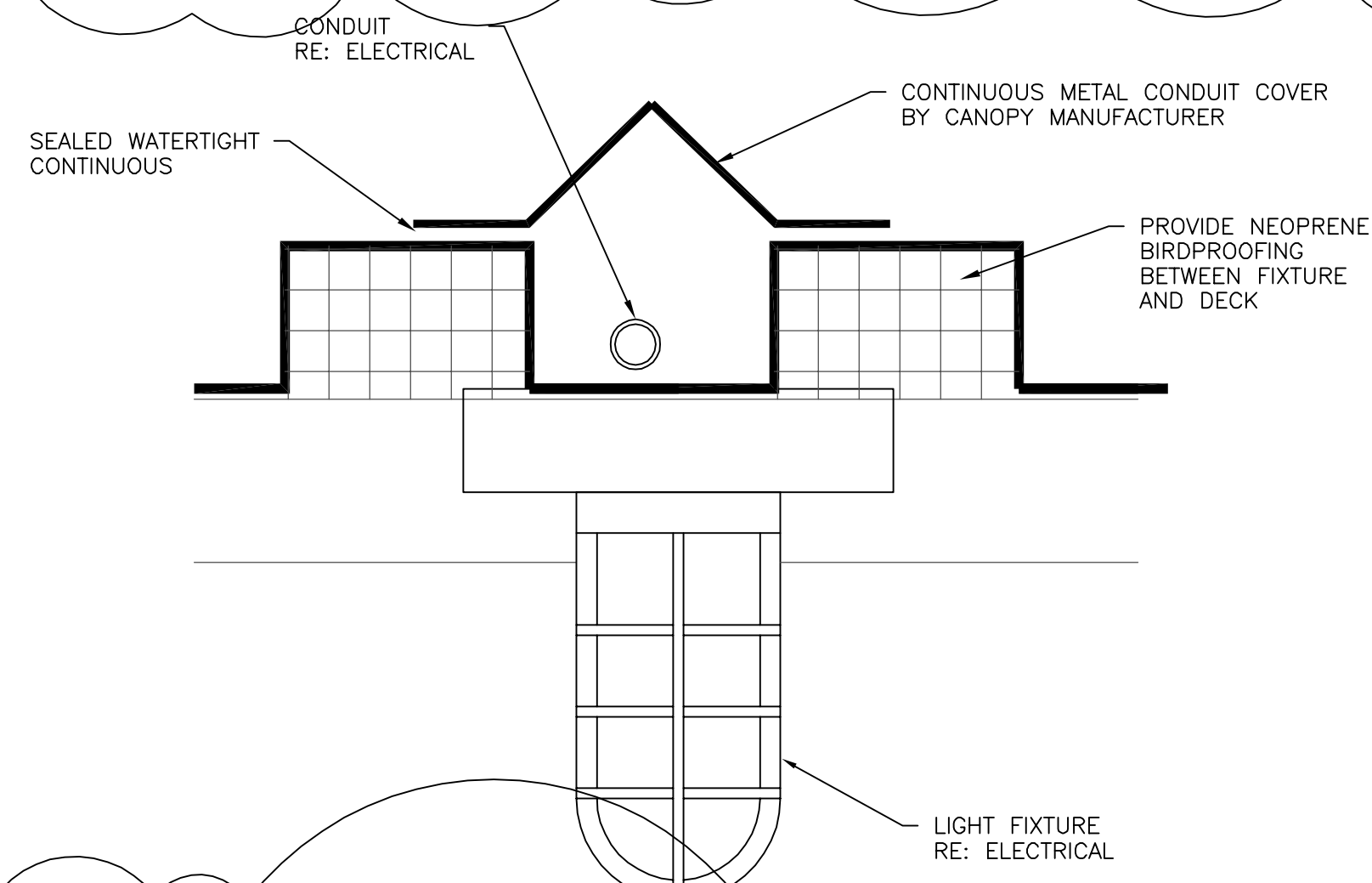
6 GATE POST DETAIL
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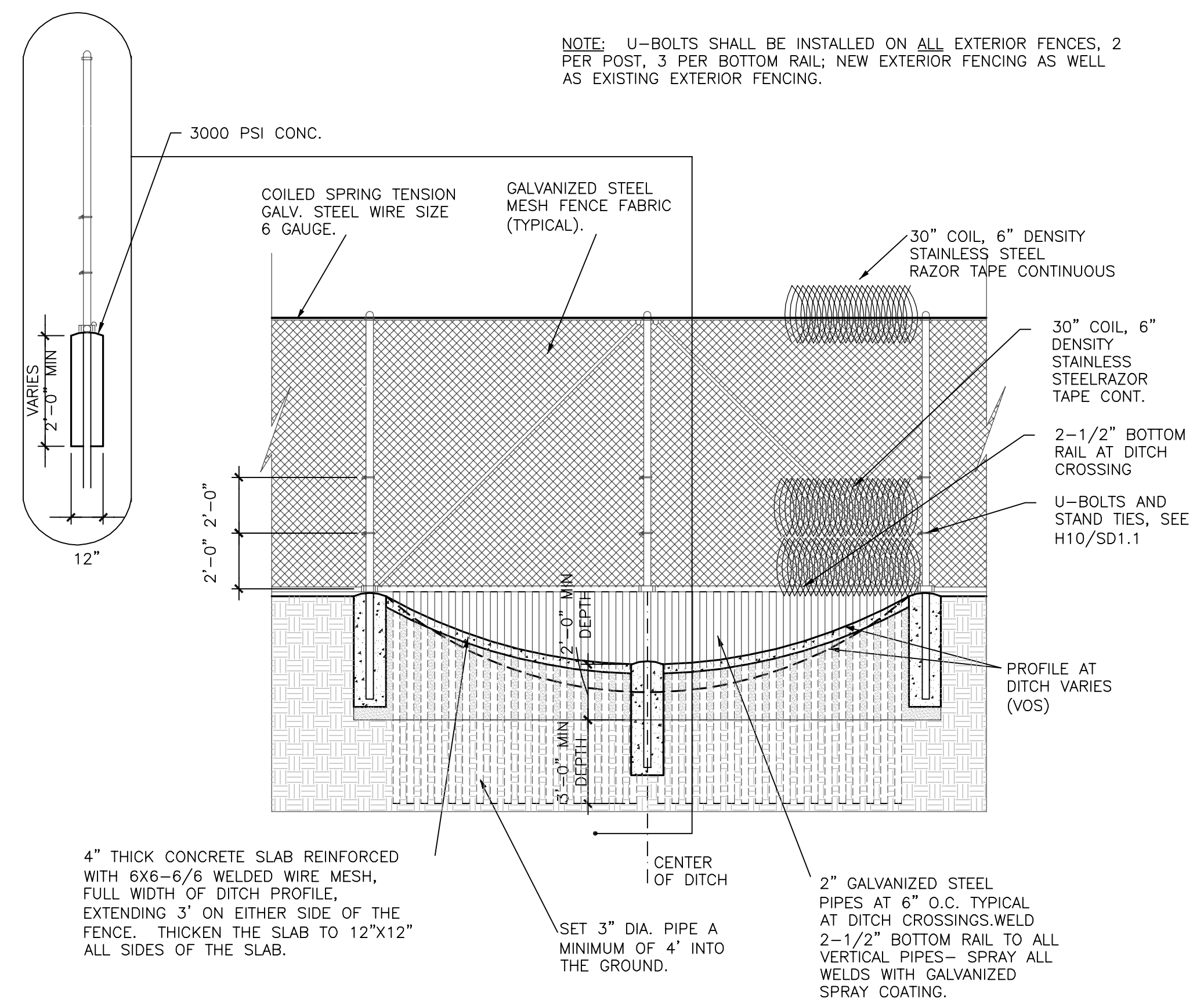
7 CANOPY POST PLAN DETAIL
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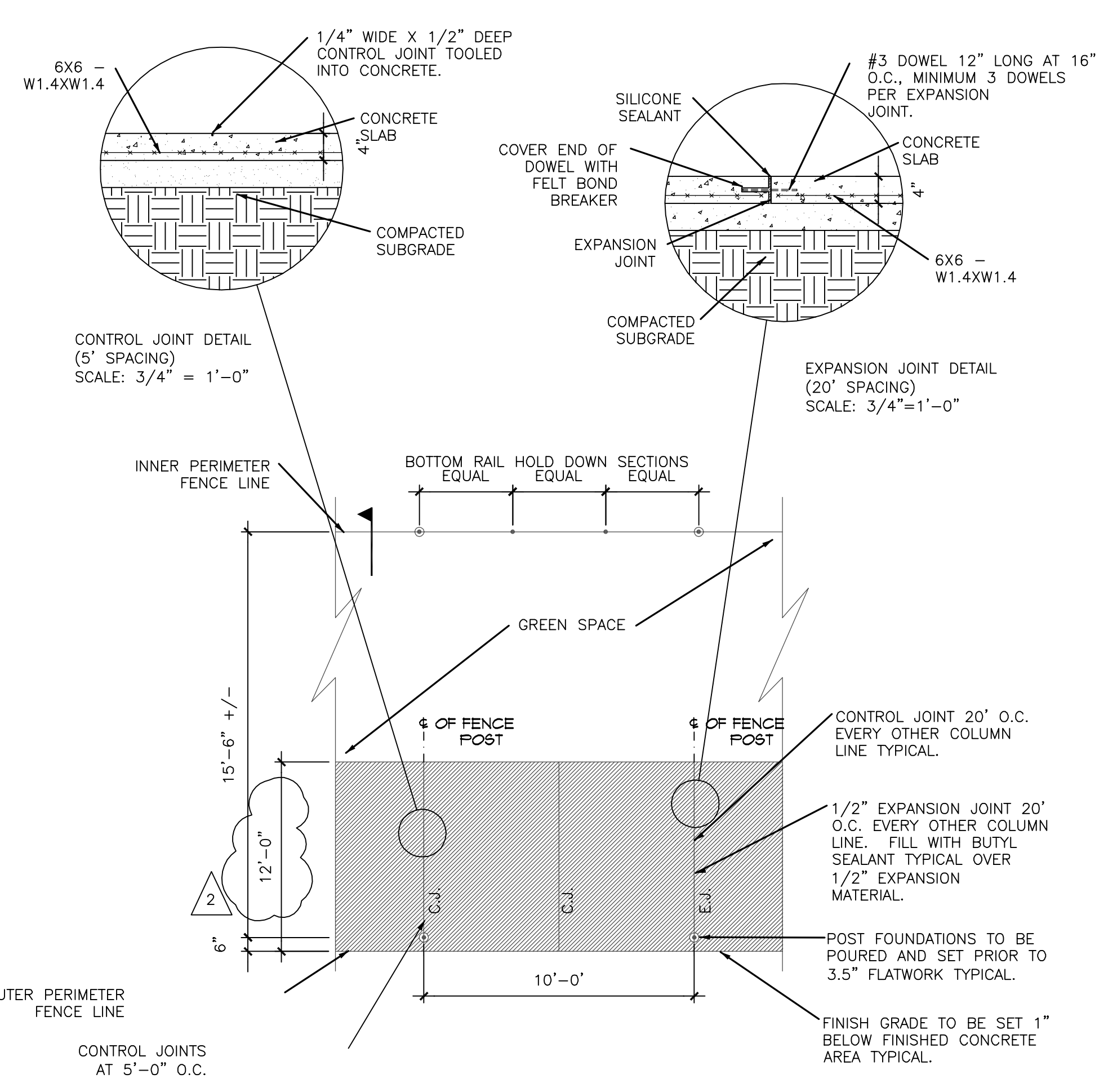
8 TYP. ELEVATION DETAIL
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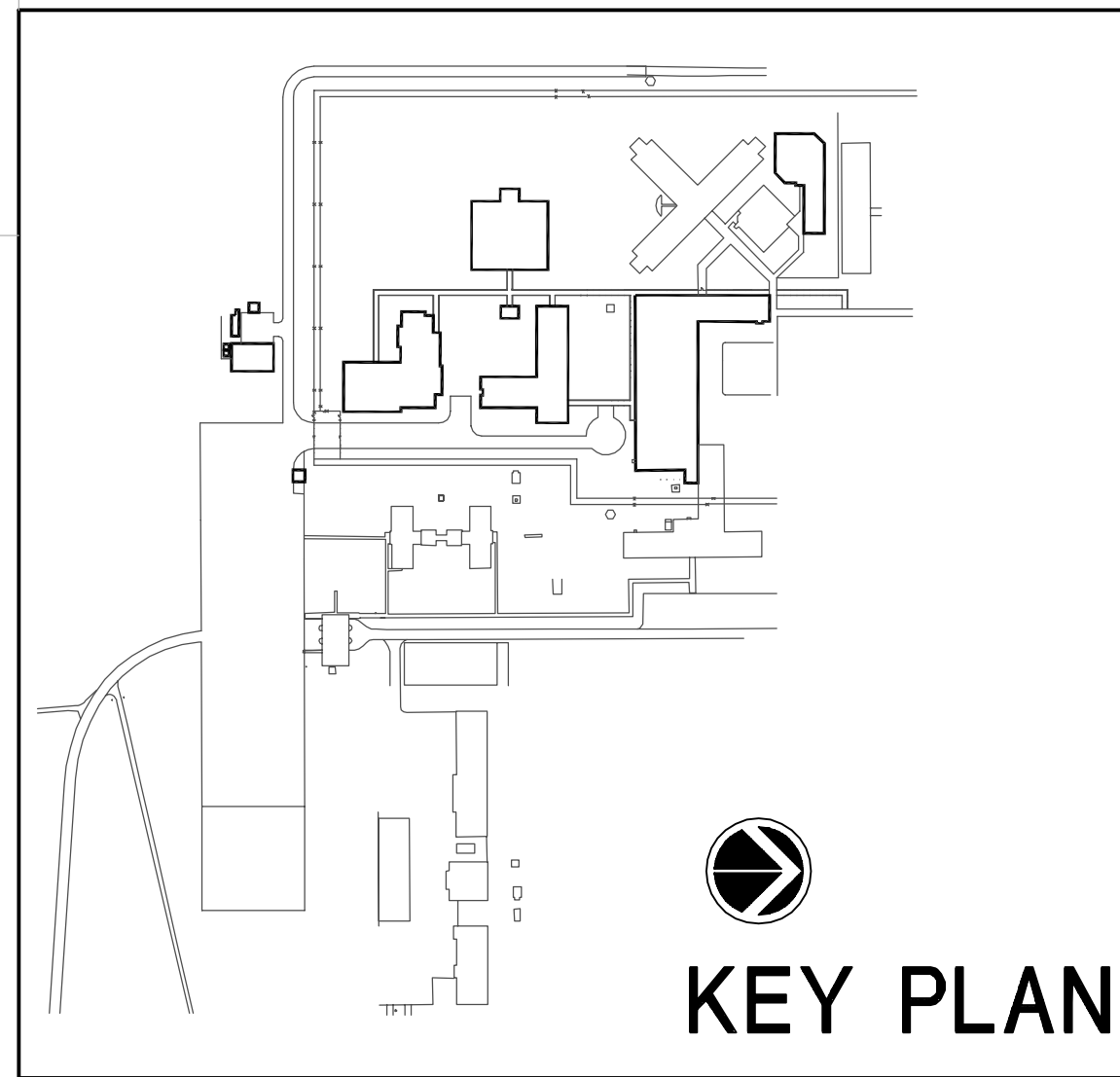
9 CONDUIT COVER DETAIL
SCALE: 3" = 1'-0"



10 SECTION THRU TYP. DITCH CROSSING
SCALE: 1/4" = 1'-0"



11 ENLARGED TYP. FENCE PLAN LAYOUT
SCALE: 1/4" = 1'-0"



KEY PLAN

1	03/24/05	REVISIONS PER FM, DHH, AND FP&C
2	06/03/05	ADDENDUM #3

NO. DATE REVISION/SUBMISSION

Skilled Nursing Care / Mental Health Unit / HIV AIDS Unit & Renovation of Related Support Facilities
for
ELAYN HUNT CORRECTIONAL CENTER
St. Gabriel, Louisiana
Project No. 08-413-97B-1, Part 7

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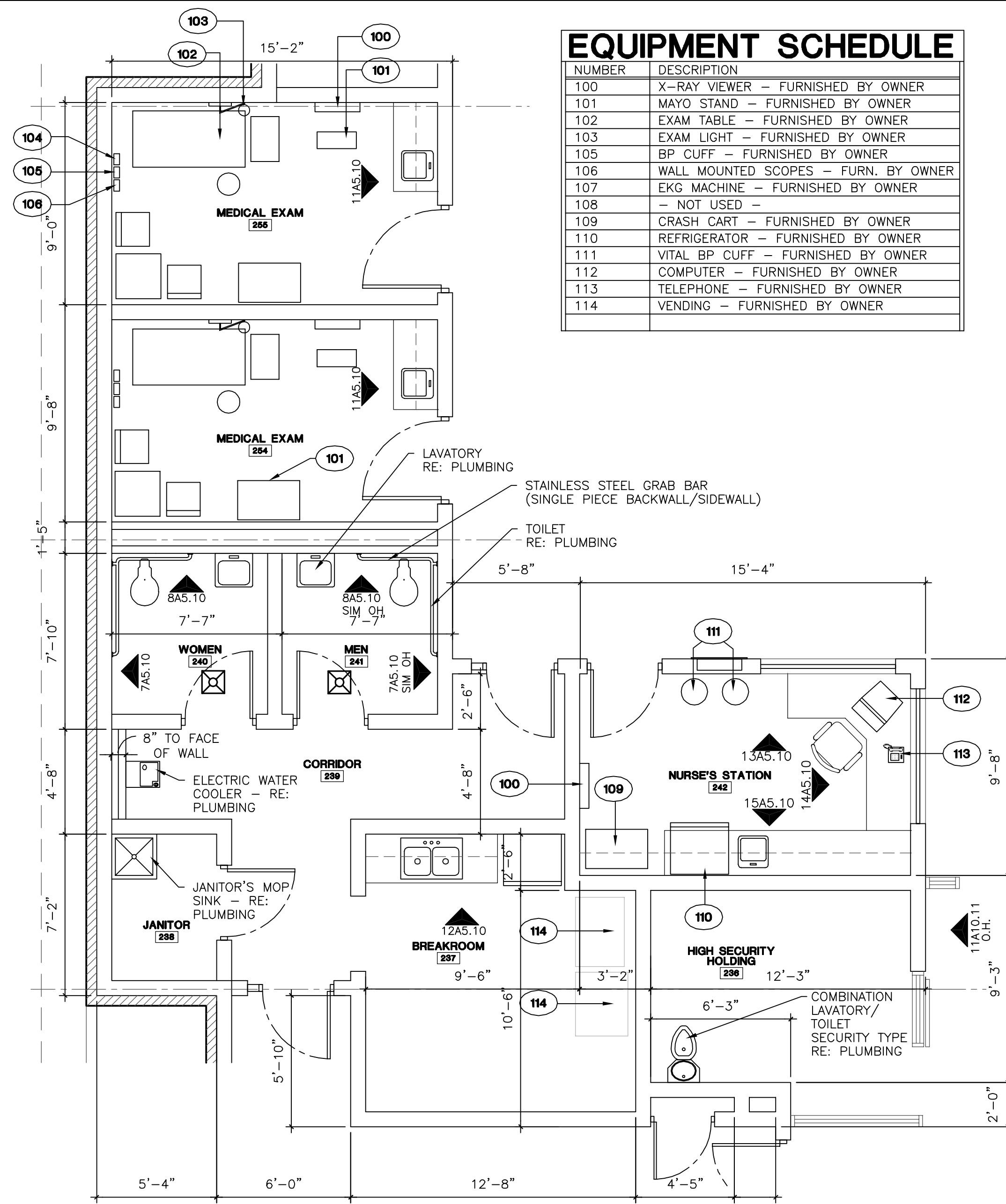
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PROJECT NO. 04021 / 520424 SHEET NO. **A1.03**

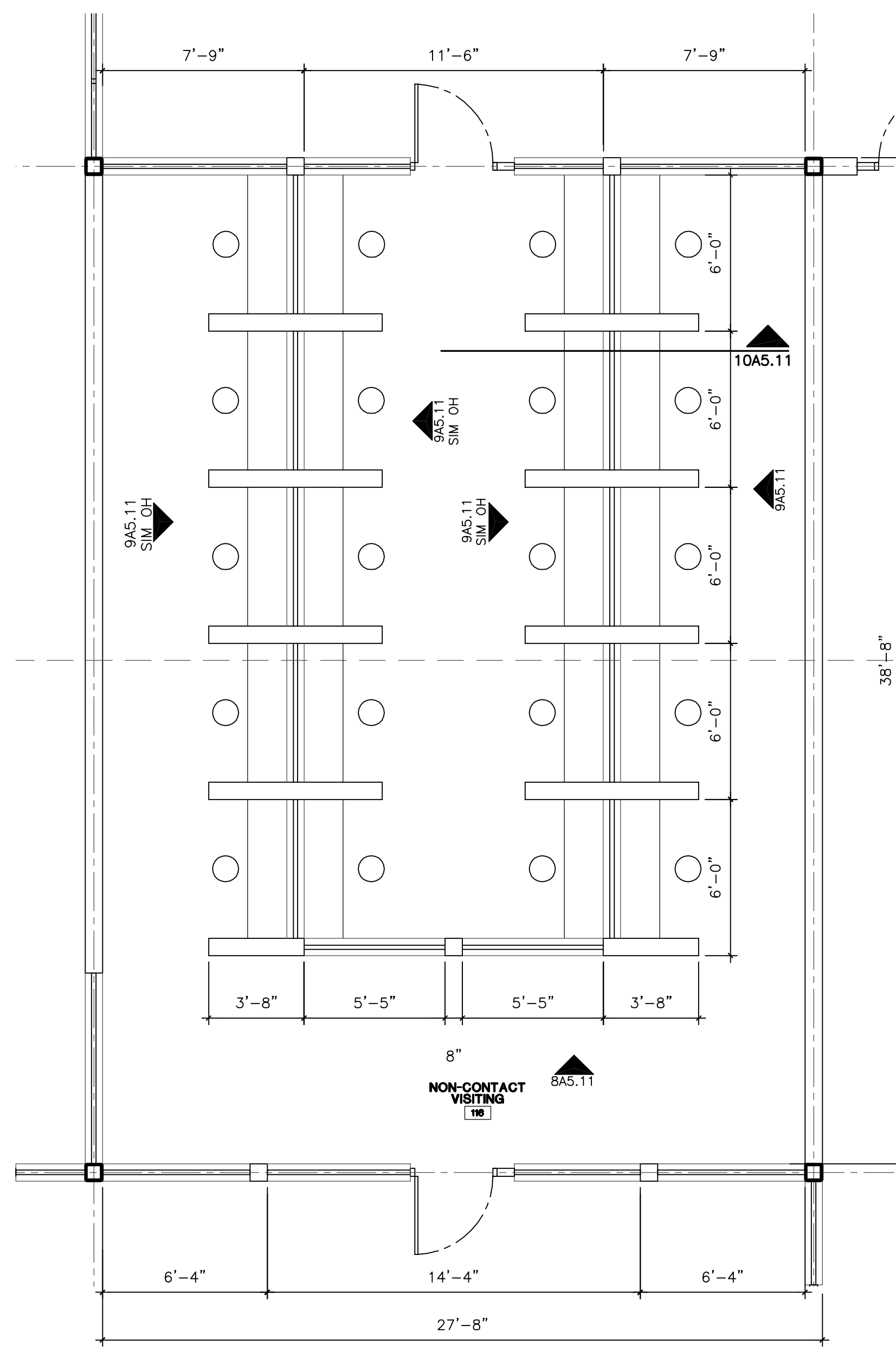
DRAWN BY
CHECKED BY
DATE 12/15/2004

EQUIPMENT SCHEDULE

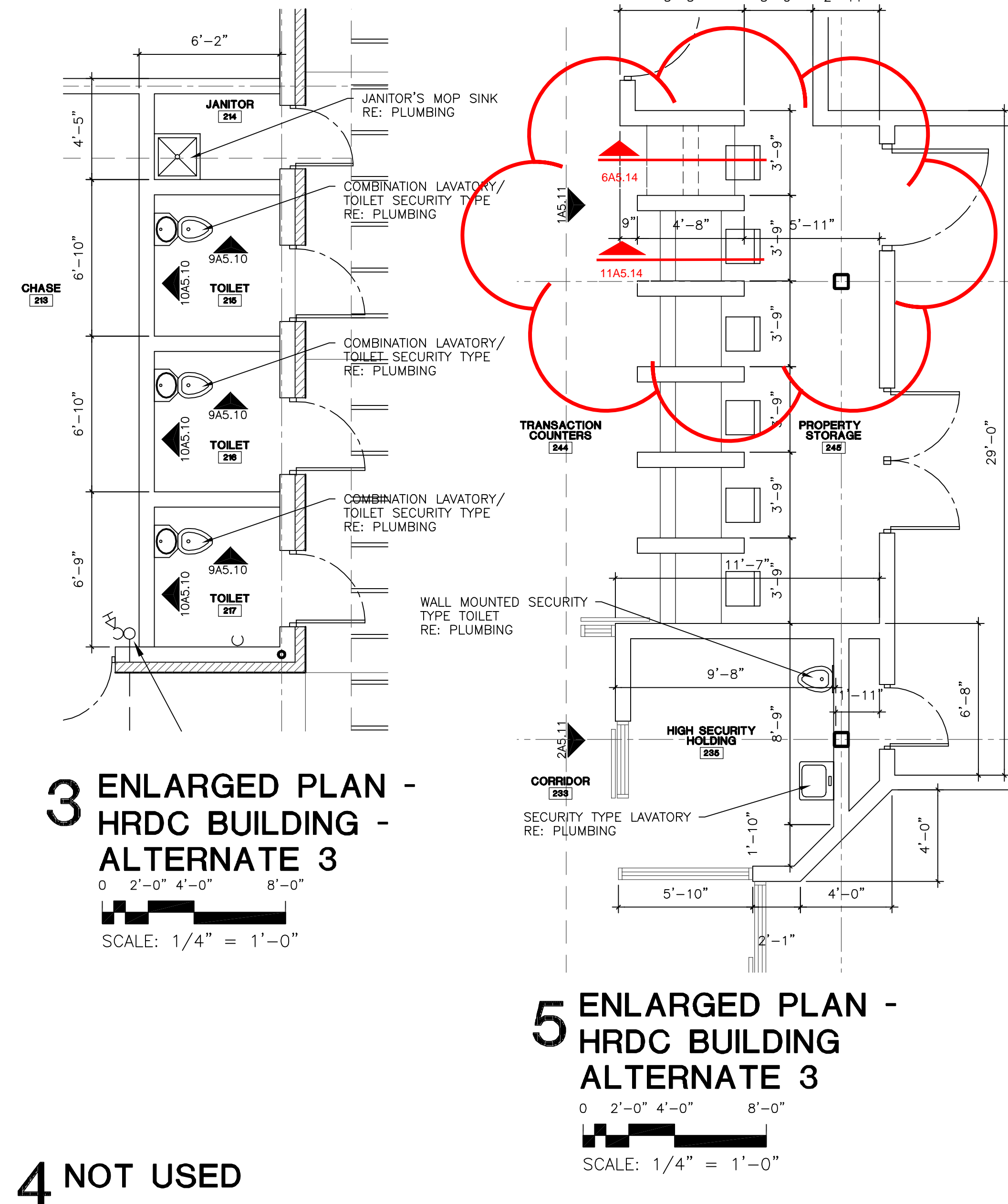
NUMBER	DESCRIPTION
100	X-RAY VIEWER - FURNISHED BY OWNER
101	MAYO STAND - FURNISHED BY OWNER
102	EXAM TABLE - FURNISHED BY OWNER
103	EXAM LIGHT - FURNISHED BY OWNER
105	BP CUFF - FURNISHED BY OWNER
106	WALL MOUNTED SCOPES - FURN. BY OWNER
107	EKG MACHINE - FURNISHED BY OWNER
108	- NOT USED -
109	CRASH CART - FURNISHED BY OWNER
110	REFRIGERATOR - FURNISHED BY OWNER
111	VITAL BP CUFF - FURNISHED BY OWNER
112	COMPUTER - FURNISHED BY OWNER
113	TELEPHONE - FURNISHED BY OWNER
114	VENDING - FURNISHED BY OWNER



1 ENLARGED PLAN - HRDC BUILDING - ALTERNATE 3
 0 2'-0" 4'-0" 8'-0"
 SCALE: 1/4" = 1'-0"

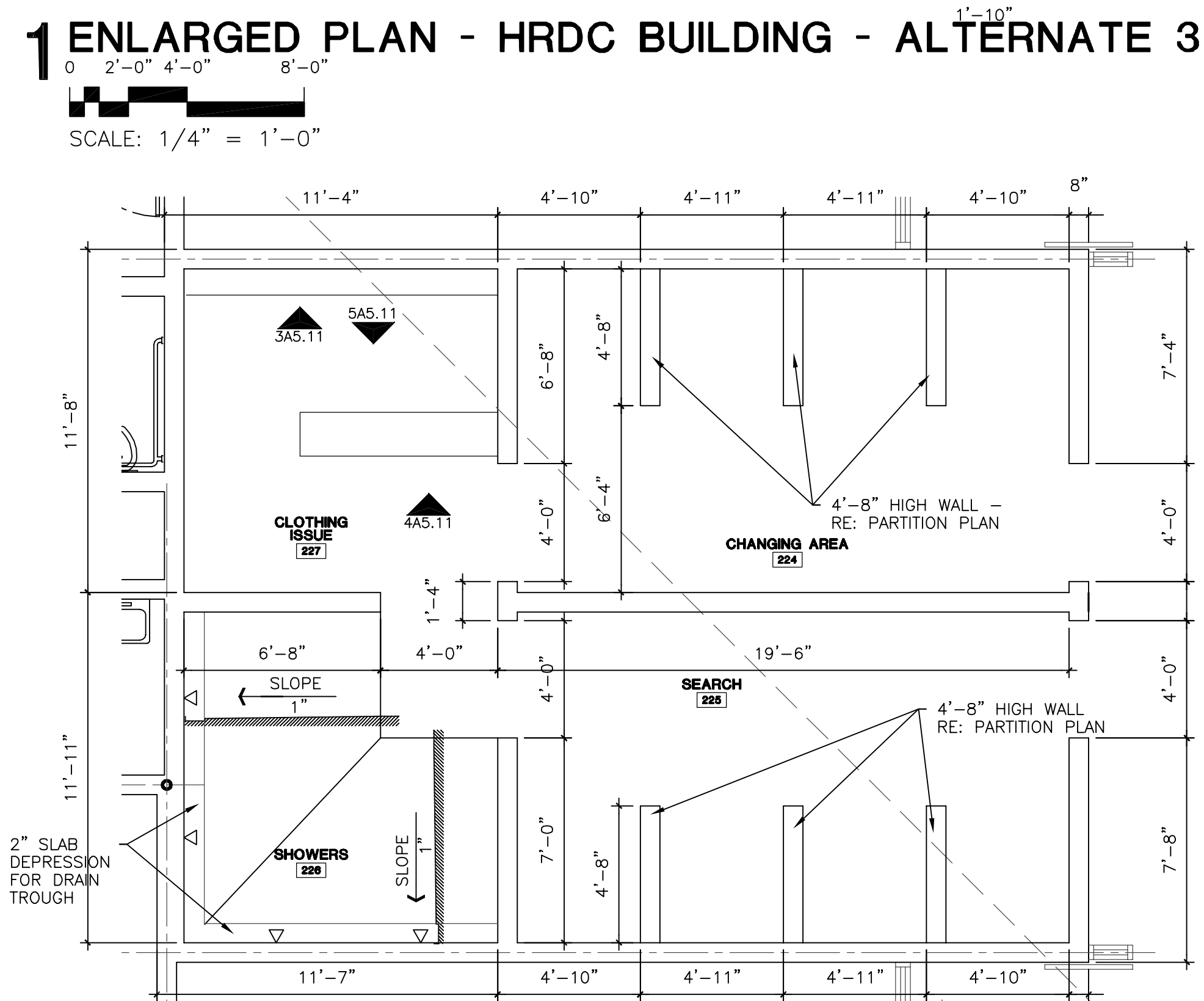


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 SCALE: 1/4" = 1'-0"

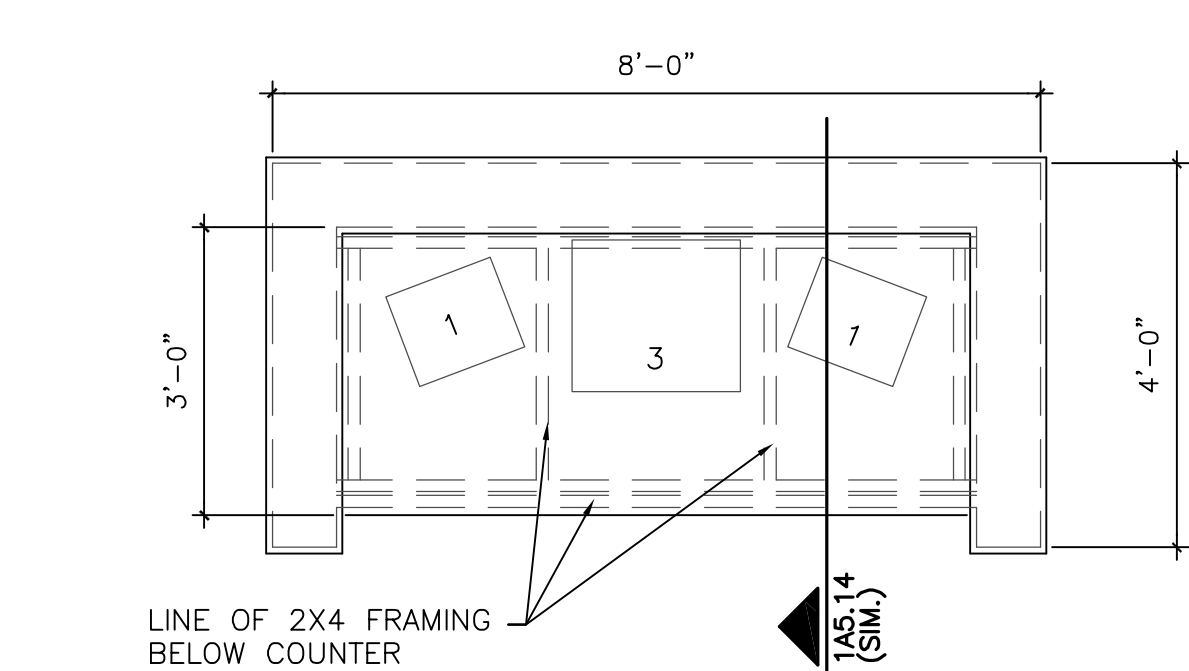


3 ENLARGED PLAN - HRDC BUILDING - ALTERNATE 3
 0 2'-0" 4'-0" 8'-0"
 SCALE: 1/4" = 1'-0"

5 ENLARGED PLAN - HRDC BUILDING ALTERNATE 3
 0 2'-0" 4'-0" 8'-0"
 SCALE: 1/4" = 1'-0"



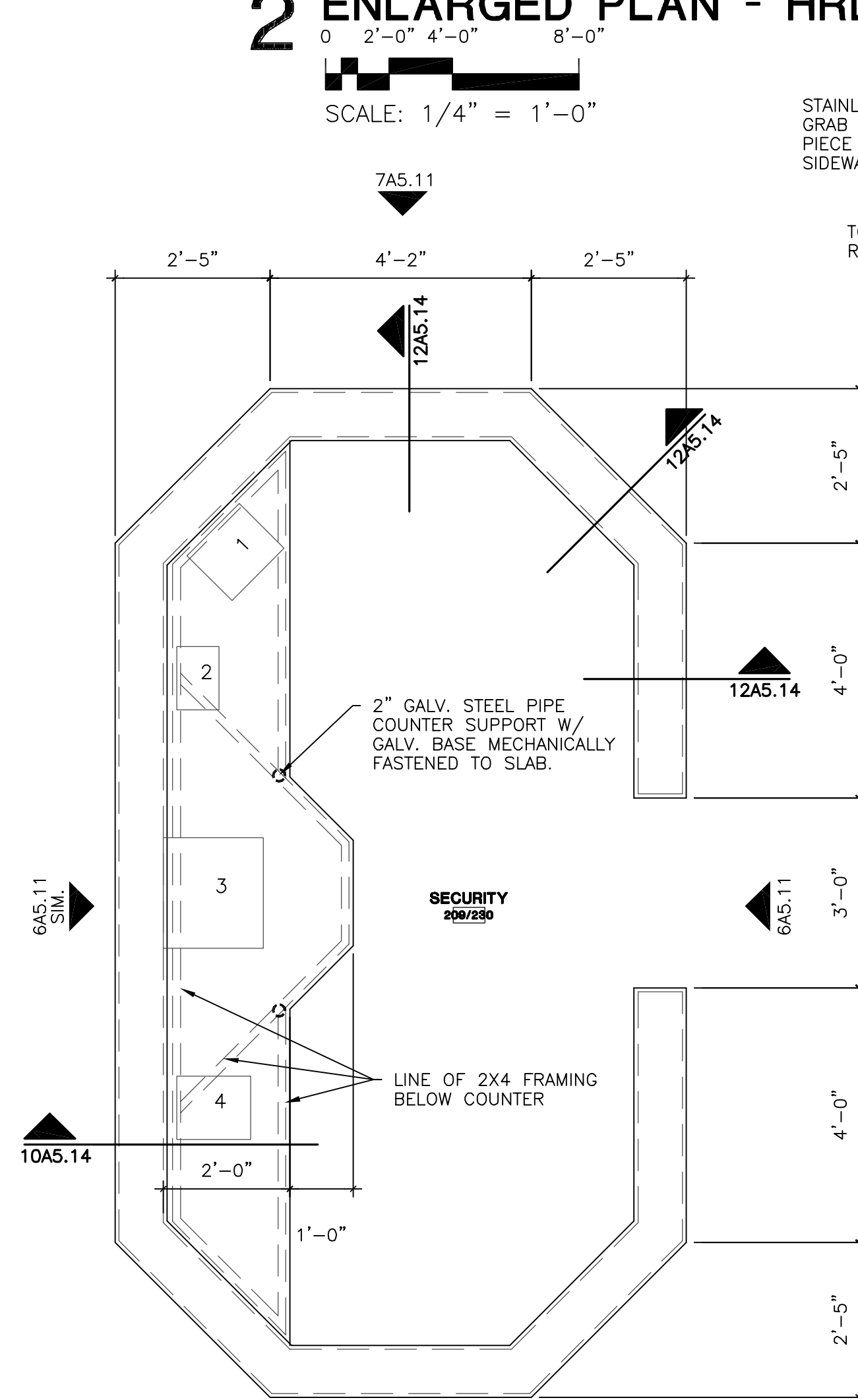
6 ENLARGED PLAN - HRDC BUILDING - ALTERNATE 3
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 SCALE: 1/4" = 1'-0"



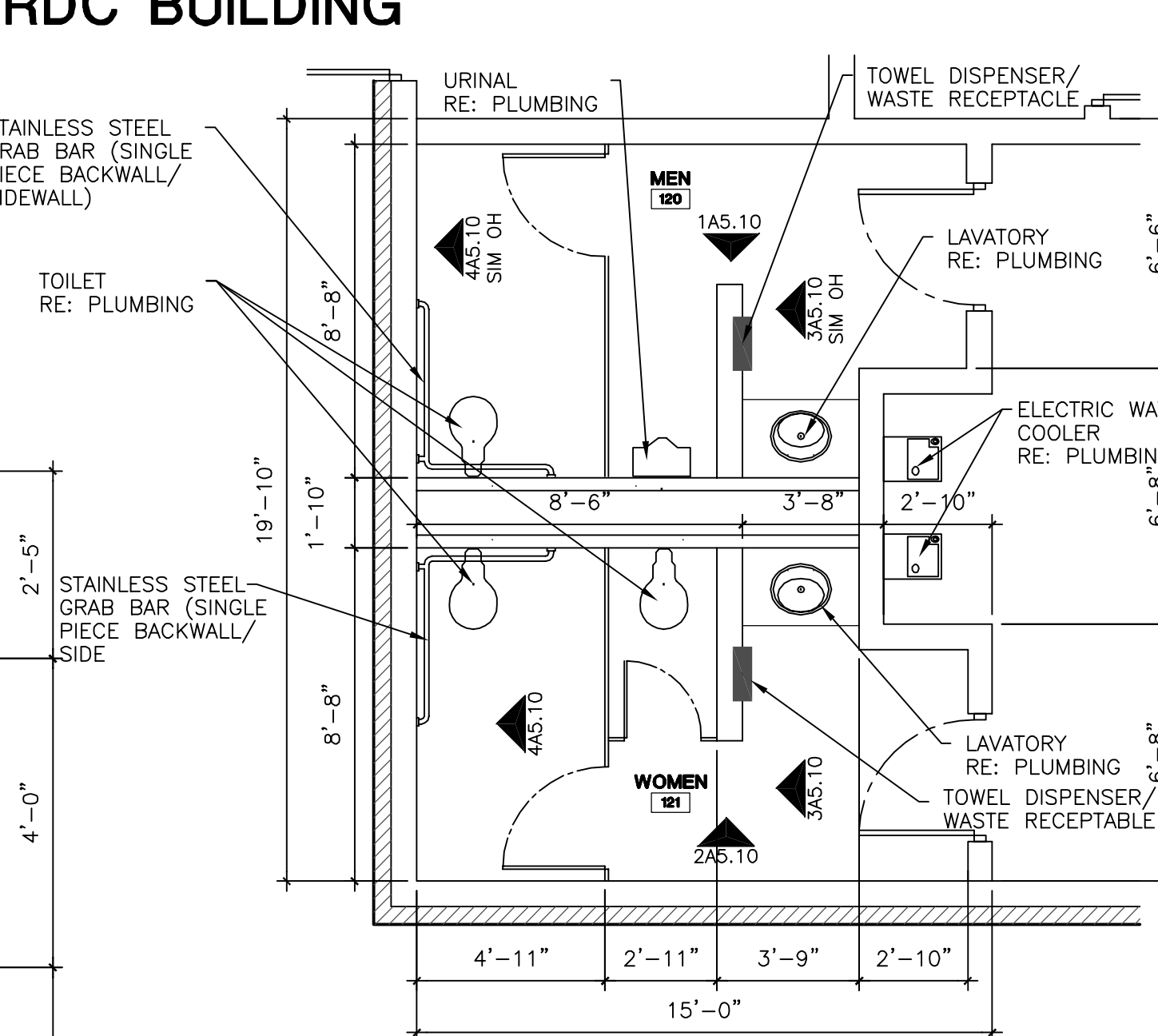
7 ENLARGED PLAN - HRDC BUILDING
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 SCALE: 1/2" = 1'-0"

LEGEND

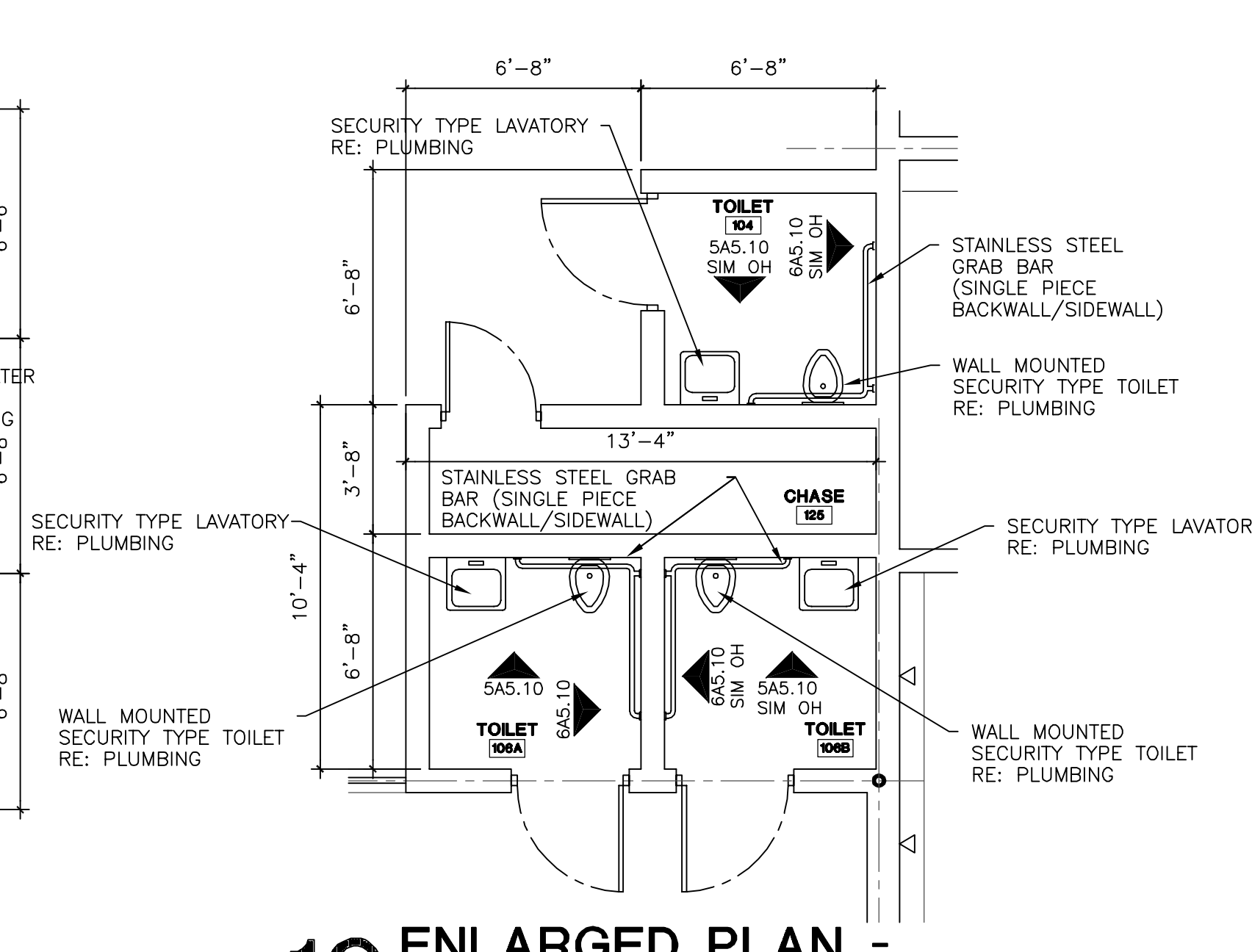
- MONITOR
- RELAY CABINET
- DOOR CONTROL PANEL
- LIGHT CONTROLS



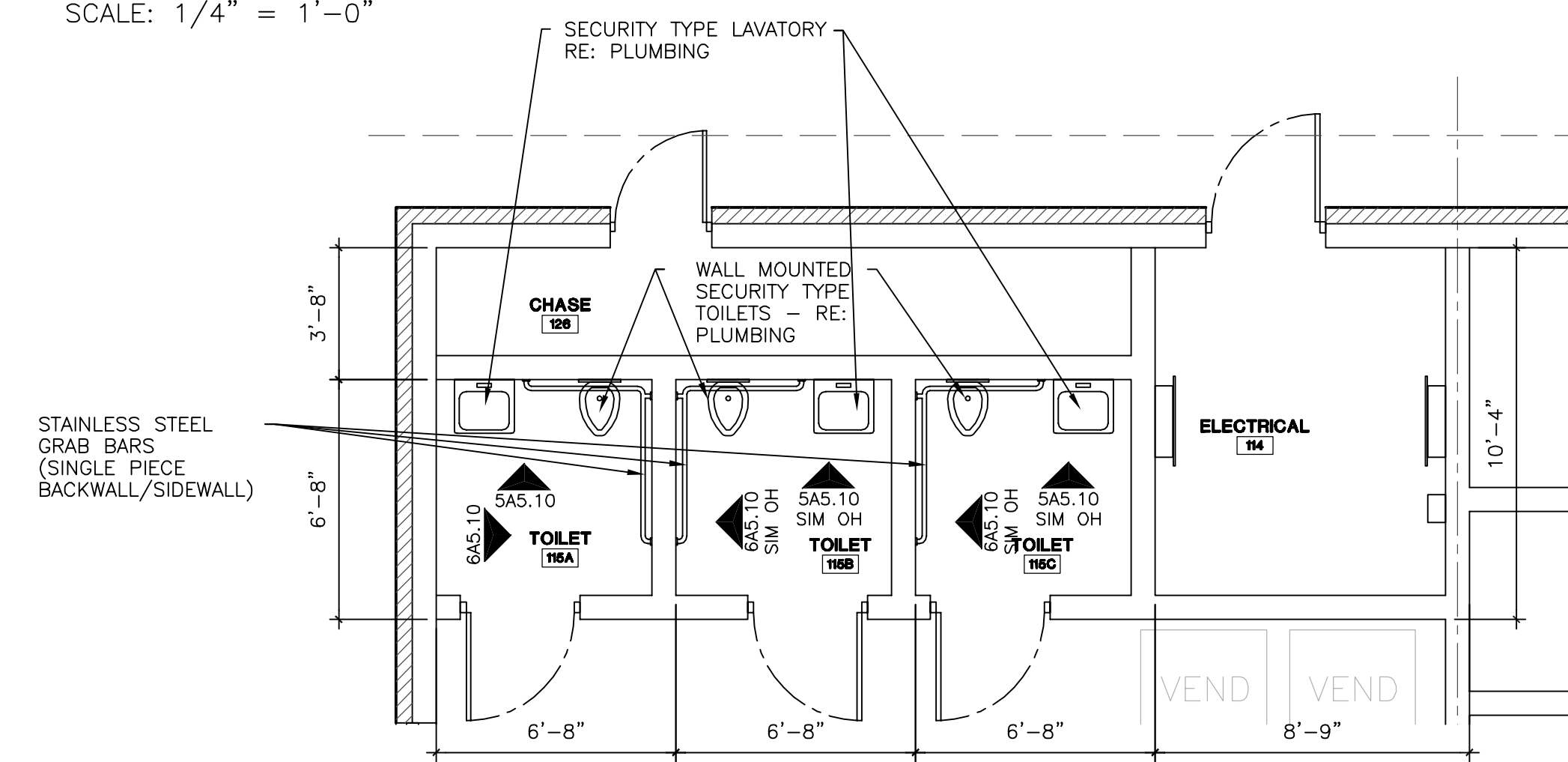
8 ENLARGED PLAN - HRDC BUILDING - ALTERNATE 3
 0 1'-0" 2'-0" 4'-0"
 SCALE: 1/2" = 1'-0"



9 ENLARGED PLAN - HRDC BUILDING
 0 2'-0" 4'-0" 8'-0"
 SCALE: 1/4" = 1'-0"

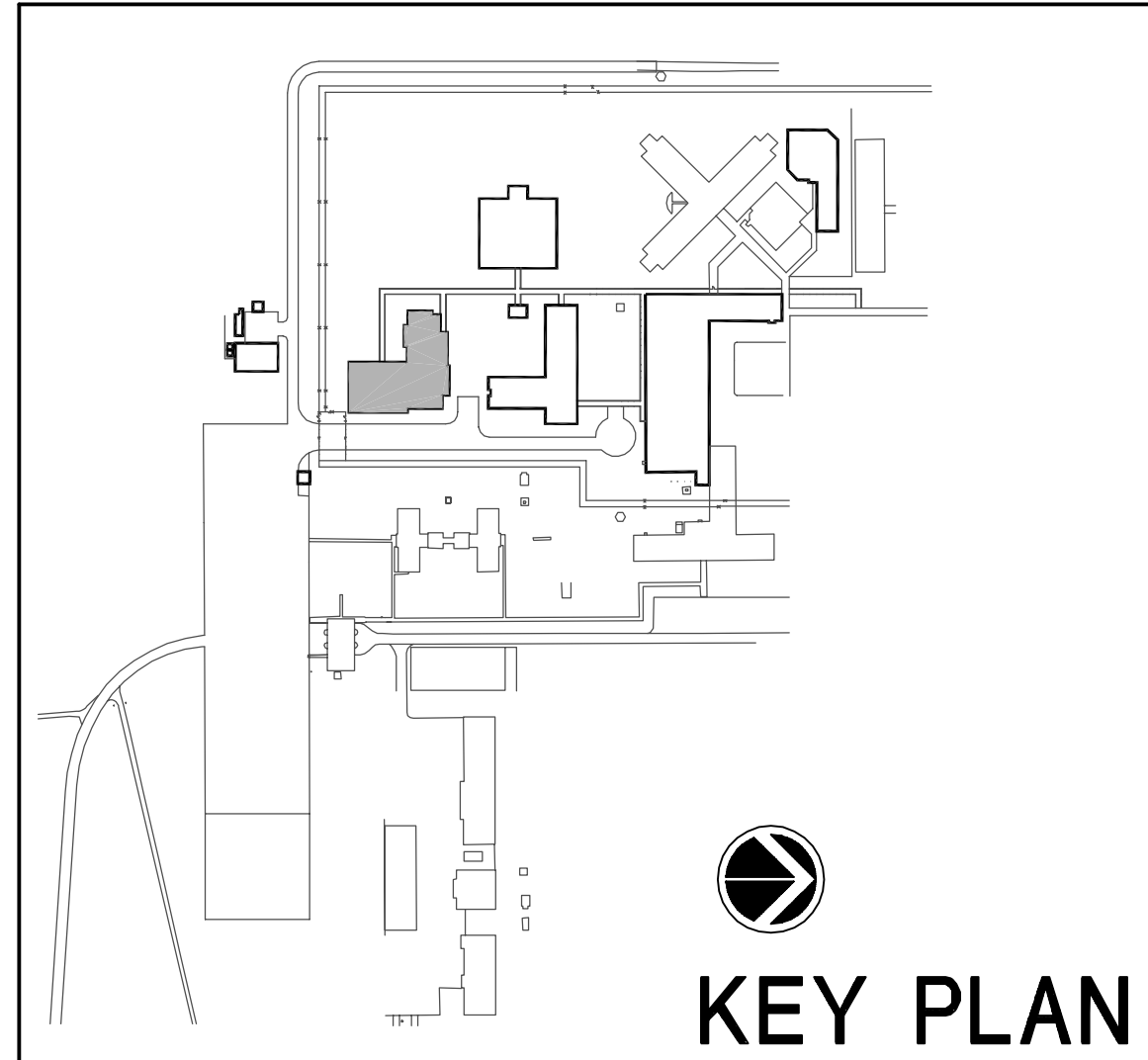


10 ENLARGED PLAN - HRDC BUILDING
 0 2'-0" 4'-0" 8'-0"
 SCALE: 1/4" = 1'-0"



11 ENLARGED PLAN - HRDC BUILDING
 0 2'-0" 4'-0" 8'-0"
 SCALE: 1/4" = 1'-0"

4 NOT USED



KEY PLAN

1 03/24/05 REVISIONS PER FM, DHM, AND FP&C

NO. DATE REVISION/SUBMISSION

Skilled Nursing Care / Mental Health Unit / HIV AIDS Unit & Renovation of Related Support Facilities

for

ELAYN HUNT CORRECTIONAL CENTER

St. Gabriel, Louisiana

Project No. 08-413-97B-1, Part 7



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PROJECT NO. 04021 / 520424 SHEET NO. **A2.14**

DRAWN BY MEM

CHECKED BY DMS

DATE 12/15/2004

SECTION 07120 - COLD FLUID-APPLIED WATERPROOFING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Single-component, modified polyurethane waterproofing applied to pre-cast concrete panel walls and concrete masonry units with brick veneer and as indicated on drawings.

1.3 PERFORMANCE REQUIREMENTS

- A. Provide waterproofing membrane that prevents the passage of water.

1.4 SUBMITTALS

- A. Product Data: Include manufacturer's written instructions for evaluating, preparing, and treating substrate, technical data, and tested physical and performance properties of waterproofing.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: A qualified installer who is acceptable to waterproofing manufacturer to install manufacturer's products.
- B. Source Limitations: Obtain waterproofing materials through one source from a single manufacturer.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver liquid materials to Project site in original containers with seals unbroken, labeled with manufacturer's name, product brand name and type, date of manufacture, shelf life, and directions for storing and mixing with other components.
- B. Store liquid materials in their original undamaged containers in a clean, dry, protected location and within the temperature range required by waterproofing manufacturer.
- C. Remove and replace liquid materials that cannot be applied within their stated shelf life.
- D. Protect stored materials from direct sunlight.

1.7 PROJECT CONDITIONS

- A. Environmental Limitations: Apply waterproofing within the range of ambient and substrate temperatures recommended by waterproofing manufacturer. Do not apply waterproofing to a damp or wet substrate, when relative humidity exceeds 85 percent, or when temperatures are less than 5 deg F (3 deg C) above dew point.
 - 1. Do not apply waterproofing in snow, rain, fog or mist, or when such weather conditions are imminent during application and curing period.
- B. Maintain adequate ventilation during application and curing of waterproofing materials.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Products: Subject to compliance with requirements, provide one of the following products:
 - 1. Single-Component, Modified Polyurethane Waterproofing:
 - a. Karnak Corporation; One-Kote System.
 - b. Pecora Corporation; Duramem 500.
 - c. Sonneborne, Div. of ChemRex Inc.; HLM 5000.
 - d. Tremco; Tremproof 60.

2.2 WATERPROOFING MATERIALS

- A. General: Provide waterproofing materials recommended by manufacturer to be compatible with one another and able to develop bond to substrate under conditions of service and application, as demonstrated by waterproofing manufacturer based on testing and field experience.
 - 1. Produce waterproofing materials suitable for application to vertical, horizontal, and sloped substrates, as applicable.
 - 2. Provide waterproofing materials with not less than 90 percent solids.
- B. Cold Fluid-Applied Waterproofing: Comply with ASTM C 836, with manufacturer's written physical requirements, and as follows:
 - 1. Single-component, modified polyurethane waterproofing.

2.3 AUXILIARY MATERIALS

- A. Primer: Manufacturer's standard, factory-formulated polyurethane or epoxy primer.
- B. Reinforcing Strip: Manufacturer's recommended fiberglass mesh or polyester fabric.
- C. Joint Sealant: Multicomponent polyurethane sealant, compatible with waterproofing, complying with ASTM C 920 Type M, Class 25; Grade NS for sloping and vertical applications or Grade P for deck applications; Use NT exposure; and as recommended by manufacturer for substrate and joint conditions.
 - 1. Backer Rod: Closed-cell polyethylene foam.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements and other conditions affecting performance.
 - 1. Verify that concrete has cured and aged for minimum time period recommended by waterproofing manufacturer.
 - 2. Verify that substrate is visibly dry and free of moisture. Test for capillary moisture by plastic sheet method according to ASTM D 4263.
 - 3. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 SURFACE PREPARATION

- A. Clean and prepare substrate according to manufacturer's written recommendations. Provide clean, dust-free, and dry substrate for waterproofing application.
- B. Mask off adjoining surfaces not receiving waterproofing to prevent spillage or overspray affecting other construction.
- C. Remove grease, oil, bitumen, form-release agents, paints, curing compounds, and other penetrating contaminants or film-forming coatings from concrete.
 - 1. Abrasive blast clean concrete surfaces uniformly to expose top surface of fine aggregate according to ASTM D 4259 with a self-contained, recirculating, blast-cleaning apparatus. Remove material to provide a sound surface free of laitance, glaze, efflorescence, curing compounds, concrete hardeners, or form-release agents. Remove remaining loose material and clean surfaces according to ASTM D 4258.
- D. Remove fins, ridges, and other projections and fill honeycomb, aggregate pockets, and other voids.

3.3 PREPARATION AT TERMINATIONS AND PENETRATIONS

- A. Prepare vertical and horizontal surfaces at terminations and penetrations through waterproofing and at expansion joints, drains, and sleeves according to ASTM C 898 and manufacturer's written instructions.
- B. Prime substrate, unless otherwise instructed by waterproofing manufacturer.
- C. Apply a double thickness of waterproofing and embed a joint reinforcing strip in preparation coat when recommended by waterproofing manufacturer.

3.4 JOINT AND CRACK TREATMENT

- A. Prepare, treat, rout, and fill joints and cracks in substrate according to ASTM C 898 and waterproofing manufacturer's written instructions. Remove dust and dirt from joints and cracks complying with ASTM D 4258 before coating surfaces.
 - 1. Comply with ASTM C 1193 for joint-sealant installation.
 - 2. Apply bond breaker between sealant and preparation strip.
 - 3. Prime substrate and apply a single thickness of preparation strip extending a minimum of **3 inches (75 mm)** along each side of joint. Apply a double thickness of waterproofing and embed a joint reinforcing strip in preparation coat.

3.5 WATERPROOFING APPLICATION

- A. Apply waterproofing according to ASTM C 898 and manufacturer's written instructions.
- B. Start installing waterproofing in presence of manufacturer's technical representative.
- C. Apply primer over prepared substrate.
- D. Mix materials and apply waterproofing by spray, roller, notched squeegee, trowel, or other application method suitable to slope of substrate.
 - 1. Apply one or more coats of waterproofing to obtain a seamless membrane free of entrapped gases, with an average dry film thickness of 60 mils (1.5 mm) and a minimum dry film thickness of 50 mils (1.3 mm) at any point.
 - 2. Apply waterproofing to prepared wall terminations and vertical surfaces.
 - 3. Verify wet film thickness of waterproofing every 100 sq. ft. (9.3 sq. m).

3.6 CURING, PROTECTING, AND CLEANING

- A. Cure waterproofing according to manufacturer's written recommendations, taking care to prevent contamination and damage during application stages and curing.
- B. Protect waterproofing from damage and wear during remainder of construction period.
- C. Clean spillage and soiling from adjacent construction using cleaning agents and procedures recommended by manufacturer of affected construction.

END OF SECTION 07120

SECTION 07210 - BUILDING INSULATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A.** Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A.** This Section includes the following:
 - 1. Building insulation in batt form
 - 2. Nailable Roof Insulation.
 - 3. Foamed in place insulation in concrete block walls.
- B.** Related Sections: The following sections contain requirements that relate to this section:
 - 1. Section 04200- Unit Masonry
 - 2. Section 05310 – Steel Deck
 - 3. Section 07311 – Asphalt Shingles
 - 4. Section 09512 – Acoustical Tile Ceilings

1.3 DEFINITIONS

- A.** Thermal Resistivity: Where the thermal resistivity of insulation products are designated by "r-values," they represent the reciprocal of thermal conductivity (k-values). Thermal conductivity is the rate of heat flow through a homogenous material exactly 1 inch thick. Thermal resistivities are expressed by the temperature difference in degrees F between the two exposed faces required to cause one BTU to flow through one square foot per hour at mean temperatures indicated.

1.4 SUBMITTALS

- A.** General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.
- B.** Product data for each type of insulation product specified.
- C.** Samples of exposed insulation for initial selection purposes consisting of actual units or sections of units showing full range of colors available for each type of exposed insulation indicated.
- D.** Samples for verification purposes in full-size units of each type of exposed insulation indicated for each color specified.
- E.** Product test reports from and based on tests performed by qualified independent testing laboratory evidencing compliance of insulation products with requirements including r-values (aged

values for plastic foam insulations), fire performance characteristics, perm ratings, water absorption ratings, and other properties, based on comprehensive testing of current products.

- F. Research reports or evaluation reports of the model code organization acceptable to authorities having jurisdiction that evidence compliance of plastic foam insulations with building code in effect for Project.

1.5 QUALITY ASSURANCE

- A. Fire Performance Characteristics: Provide insulation materials identical to those whose indicated fire performance characteristics have been determined per the ASTM test method indicated below, by UL or other testing and inspecting organizations acceptable to authorities having jurisdiction. Identify products with appropriate markings of applicable testing and inspecting organization.
 - 1. Surface Burning Characteristic: ASTM E 84.
 - 2. Fire Resistance Ratings: ASTM E 119.
 - 3. Combustion Characteristics: ASTM E 136.
- B. Single-Source Responsibility for Insulation Products: Obtain each type of building insulation from a single source with resources to provide products of consistent quality in appearance and physical properties without delaying progress of the Work.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Protect insulation materials from physical damage and from deterioration by moisture, soiling, and other sources. Store inside and in a dry location. Comply with manufacturer's recommendations for handling, storage, and protection during installation.
- B. Protect plastic insulation as follows:
 - 1. Do not expose to sunlight, except to extent necessary for period of installation and concealment.
 - 2. Protect against ignition at all times. Do not deliver plastic insulating materials to project site ahead of installation time.
 - 3. Complete installation and concealment of plastic materials as rapidly as possible in each area of construction.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering insulation products that may be incorporated in the work include, but are not limited to, the following:
 - 1. Manufacturers of Glass Fiber Insulation:

1. Thermal Conductivity ASTM-C-177
2. Flame spread – 5, Smoke developed – 50-100
3. Density, lbs per cubic foot - .70 – ASTM-D-1622
4. Shrinkage – normal percent – 1.86 – HUD-MB-74
5. Acoustic properties – 8" cmu wall – STC 52 – ASTM-E-90-97
6. Water absorption – Not to exceed 15%
7. Fire Wall rating – minimum 2 hours – ASTM E-119
8. Corrosiveness – Not to exceed 0.2g – HUD 6.2.8

2.3 AUXILIARY INSULATING MATERIALS

- A. Adhesive for Bonding Insulation: Product with demonstrated capability to bond insulation or mechanical anchors securely to substrates indicated without damaging or corroding either insulation, anchors, or substrates.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions with Installer present, for compliance with requirements of the Sections in which substrates and related work are specified and to determine if other conditions affecting performance of insulation are satisfactory. Do not proceed with installation of insulation until unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean substrates of substances harmful to insulations or vapor retarders, including removal of projections that might puncture vapor retarders.
- B. Close off openings in cavities receiving poured-in-place insulation to prevent the escape of insulation. Provide bronze or stainless steel screen (inside) where openings must be maintained for drainage or ventilation.

3.3 INSTALLATION, GENERAL

- A. Comply with insulation manufacturer's instructions applicable to products and application indicated. If printed instructions are not available or do not apply to project conditions, consult manufacturer's technical representative for specific recommendations before proceeding with installation of insulation.
- B. Extend insulation full thickness as indicated to envelop entire area to be insulated. Cut and fit tightly around obstructions, and fill voids with insulation. Remove projections that interfere with placement.
- C. Apply a single layer of insulation of required thickness, unless otherwise shown or required to make up total thickness.

3.4 PROTECTION

- A. General: Protect installed insulation and vapor retarders from damage due to harmful weather exposures, physical abuse, and other causes. Provide temporary coverings or enclosures where insulation will be subject to abuse and cannot be concealed and protected by permanent construction immediately after installation.

END OF SECTION 07210

SECTION 11195 -PROTECTIVE PADDING SPECIFICATIONS

SAFETY PADDING

PART 1 - GENERAL

1.1 SCOPE:

- A. Provide all labor and material required to furnish and install protection padding (walls, floors, doors, frames and ceilings) in safety cells and seclusion rooms as indicated in drawing and specified herein.
- B. Submit shop drawings, or typical drawings, showing list of materials, elevations, dimensions, sections, thickness of material, method of anchoring vertical panels, and any other pertinent information.
- C. Submit three samples - minimum of 3" x 3" in size for approval and acceptance of protective padding system for use in seclusion and timeout rooms.
- D. Submit two copies of manufacturer's maintenance instructions.

1.2 GUARANTEES:

- A. Contractor for work under this section shall agree to repair or replace all defective material or work for a period of (3) three years from the date of project completion. This guarantee shall also include any loss of adhesion, resiliency or delamination. This guarantee does not cover damage caused by sharp or burning objects.
- B. Guarantee shall be signed by both the Contractor and General Contractor of this work.

1.3 Qualifications:

- A. Because of the special nature of work specified within this section, persons, firm, or corporations desiring to bid on this section of work shall meet the following terms;
 - 1. Have a minimum of five (5) years experience in the fabrication and in the fabrication and installation of protection padding or work similar to that required herein.
 - 2. Have (5) five successful installations of protection padding.

PART 2 – PRODUCT

- A. Protection padding material as herein after specified shall be a synthetic resinous material. Substitutions of a closed cell polyvinyl chloride or other types of polyvinyl chloride surfacing material will not be permitted. Protective padding meeting the following requirements and approved for use is GOLD MEDAL SAFETY PADDING as manufactured by MARATHON ENGINEERING CORPORATION, (209) 754-5121 and Padded Surfaces by B&E (888) 243-8788., OR PRIOR APPROVED EQUAL.
- B. All vertical panels shall be prefabricated. The panels to be 1" nominal thickness. Gold Medal Safety Padding bonded on (Oriented Strand Board) 7/16" thickness, making the wall panels a total of 1-1/2" thick. The door jams shall be 1/2" thickness Gold Medal Padding with durometer of 60 plus or minus 5, for a total of 1" thickness on door jams. The floor material shall be poured 1/2" nominal thickness – liquid Gold Medal material will adhere to wood, concrete, steel and itself when surfaces are properly prepared.

PART 3 – MATERIALS

- A. Gold Medal Safety Padding, in addition to meeting the minimum physical properties when cured, contains a flame spread and smoke index which when tested in accordance with ASTM E84 is given a CLASS A FIRE RATING.
 - 1. Weight is approximately 5 lbs. per square foot.
 - 2. Tensile strength range 300 PSI minimum ASTM D412.
 - 3. Temperature stability – unaffected from 20 degrees F. to 120 degrees F.
 - 4. Moisture absorption 0.8% to 1.05% by weight.
 - 5. Compression set 90% recovery after 72 hours.
 - 6. Compression properties 30 PSI to 70 PSI at 50% modulus.
 - 7. Elongation at break 150% typical (ASTM D412).
 - 8. Fungus resistance complete.

- B. Fasteners for use in security vertical panels shall be as recommended by manufacturer.

PART 4 - EXECUTION

- A. Inspect surface to receive work under this section. Notify the architect in writing if surface is not satisfactory for application of materials. Commencement of
 - 1. All concrete surfaces must have a 60 day cure – NO BONDING AGENT OR CURRING AGENT will be allowed.

- B. All vertical panels will be mechanically fastened to walls.

- C. A minimum of 16 fasteners per 4' x 8' panels. The installers are totally responsible for panel installation of Gold Medal Safety Padding.

- D. A gap of 1/8" plus or minus 1/16" will be left between panels. They will then be filled with Gold Medal Safety Padding material. When fully cured, it will be sanded to meet adjacent edges.

- E. All fastener holes will be filled with Gold Medal material and sanded.

- F. Upon completion of all sanding of walls – the floor will be liquid poured and all surfaces will receive a Gold Medal topcoat.

END OF SECTION 11195

STRUCTURAL INFORMATION FOR SUSPENDED LOADING
BUILDING NO. 6 FOR DIVISION 16
ELAYN HUNT SKILLED NURSING FACILITY
State Project No. 08-413-97B-1, Part 7

1. Reference Timber Piles 2.2.2:
Void the lines which requires the piles to be pre-bored. Pre-boring is not required.
2. Reference Timber Piles 3.4:
Field Quality Control - Add D. The Engineer shall provide the test pile location to the contractor immediately after all probe piles have been installed. The test piles shall be loaded to failure 14 days after installation. Job piles will be ordered only after the test results have been provided to the Engineer for review.
3. Bar splices in the CMU walls shall be 15" long.

MECHANICAL ITEMS

DRAWINGS

1. **Sheet M2.10, Detail 1:**
 - a. Mixing valve located in Chase 126 shall be a Leonard TM-554-20-RF, or equal, 7 gpm at 10 psi pressure drop.
 - b. Mixing valve located in Chase 125 shall be a Leonard #TM-554-28-RF, or equal, 10 gpm at 10 psi pressure drop.

2. **Sheet M2.10a:**
 - a. **Detail 1:**
 - 1) Mixing valve located in Chase 213 shall be a Leonard #TM-554-20-RF, or equal, 7 gpm at 10 psi pressure drop.
 - 2) Mixing valve located in Rooms Clean Holding 264 and High Security Holding 235 and 236 shall be a Leonard #TM-554-TA, or equal, 2.9 gpm at 10 psi pressure drop.
 - b. **Detail 2:** Mixing valve (typical for PC-1's) shall be a Leonard #TM-554-TA, or equal, 2.9 gpm at 10 psi pressure drop.

3. **Sheet M2.11, Room 124:** Provide one 30" x 12" combustion air louver. Mount louver on exterior wall near water heater within 12" of roof structure above.

4. **Sheet M2.20:**
 - a. **Detail 1:**
 - 1) Mixing valve located in Chase 231 shall be a Leonard #TM-420-DT-RF, or equal, 18 gpm at 10 psi pressure drop.
 - 2) Mixing valve located in Chase 223 shall be a Leonard #TM-420-DT-RF, or equal, 18 gpm at 10 psi pressure drop.
 - 3) Mixing valve located in chase between Men's 215 and Women's 217 shall be a Leonard #TM-554-TA, or equal, 2.9 gpm at 10 psi pressure drop.
 - 4) Mixing valve located in Chase 240, 243, 247, 251, 260, 264, 267 and 270 shall be a Leonard #TM-554-28-RF, or equal, 10 gpm at 10 psi pressure drop.
 - 5) **Add the Following:** Provide a medical gas zone valve box on the south wall of Corridor 245, adjacent to entry of Storage 238. Route 1/2" O₂, 1/2" A and 1" V through zone valve box then to rooms west of this location. Refer to Keynote 15 for additional requirements. Provide area alarm panel at this same location.
 - b. **Detail 2:** (Typical Rooms 254, 255, 256 and 257) Mixing valve shall be a Leonard #TM-554-TA, or equal, 2.9 gpm at 10 psi pressure drop.

**HUNT CORRECTIONAL ADDITIONS AND RENOVATIONS PHASE 2
MECHANICAL ADDENDUM ITEMS
June 2, 2005**



- c. **Detail 3:**
- 1) **Keynote 10, Add the Following:** Provide emergency oxygen inlet station upstream of source valve and downstream of bulk oxygen storage tank.
 - 2) **Keynote 11, Change to Read:** "MEDICAL GAS MASTER ALARM PANEL."
 - 3) **Keynote 15, Delete Last Sentence of Keynote 15 and Add the Following:** "PROVIDE PLASTIC LAMINATE SIGN WITH 1/2" MINIMUM SIZE LETTERING IDENTIFYING VALVE BOX WITH SPECIFIC ROOMS SERVED. USE FINAL ROOM NUMBERS AS PER OWNER'S DESIGNATION. PROVIDE AREA ALARM PANEL AT THIS SAME LOCATION."
2. **Sheet M2.21, Room 213:** Provide one 30" x 12" combustion air louver. Mount louver on exterior wall near water heater within 12" of roof structure above.
3. **Sheet M2.40, Detail 1:**
- a. Mixing valves located in Chase 417 for Shower Room 415 and 418 shall be a Leonard #TM-554-28-RF, or equal, 10 gpm at 10 psi pressure drop.
 - b. Mixing valves located in Chase 417 for Lavatory Rooms 413 and 420 shall be a Leonard #TM-554-20-RF, or equal, 7 gpm at 10 psi pressure drop.
 - c. Mixing valve located in Chase 435 for Lavatory Rooms 429 and 431 shall be a Leonard #TM-554-20-RF, or equal, 7 gpm at 10 psi pressure drop.
 - d. Mixing valves located in Chase 435 for Shower Rooms 427 and 433 shall be a Leonard #TM-554-20-RF, or equal, 7 gpm at 10 psi pressure drop.
4. **Sheet M2.41, Room 416:** Provide one 30" x 12" combustion air louver. Mount louver on exterior wall near water heater within 12" of roof structure above.
5. **Sheet M2.41, Room 434:** Provide one 24" x 12" combustion air louver. Mount louver on exterior wall near water heater within 12" of roof structure above.
6. **Sheet M2.51, Rooms 613 and 631:** In each room provide one 24" x 12" combustion air louver. Mount louver on exterior wall near water heater within 12" of roof structure above.
7. **Sheet M3.10, Detail 1:** Under designation and location, change EWH-1 to read GWH-1.
8. **Sheet M3.12:**
- a. Plumbing riser diagrams for Building Five are enclosed with revised drawing, Sheet M3.12R1, Sheets 1, 2 and 3.
 - b. **Detail 1, Plumbing Riser Diagram, Men/Women, Building 2:** Change fixture No. EWC-3 to EWC-2.
9. **Sheet M4.10:**
- a. **Water Cooled Water Chiller Schedule, Chillers CH-1 and CH-2:** Change maximum pressure drop of evaporator to 17 feet.

**HUNT CORRECTIONAL ADDITIONS AND RENOVATIONS PHASE 2
MECHANICAL ADDENDUM ITEMS
June 2, 2005**



- b. **Pumps Schedule, Pumps P-1 and P-2:** Change head to 24 feet.
- c. **Pumps Schedule, Pumps P-3 and P-4:** Change GPM to 600 GPM.
- d. **Pumps Schedule, Pumps P-5 and P-6:** Change HP to 7 1/2 HP. Head remains 40 feet as noted in Addendum No. 1.
- e. **Gas Fired Boiler Schedule, Boilers B-1 and B-2:** Input CFH = 1300 CFH.

SPECIFICATIONS

- 1. **Section 15010, Paragraph 2.1.E., Add the Following:** All three phase motors to have loss of phase protection.
- 2. **Section 15010, Paragraph 2.4, Insulation, Add the Following:** All domestic hot and cold water piping shall be insulated with material and thickness as specified.
- 3. **Section 15060, Part 1 - General, Paragraph H, Add the Following:** Refer to electrical drawings for conduit runs between EMS panels between buildings. Temperature Controls Contractor to pull necessary communication wiring and terminate.
- 4. **Section 15060, Part 3 - Execution, Add the Following:**
 - a. "SEQUENCES - POWER FAILURE
 - 1) Upon detection of loss of power, provide startup of equipment (on generator power) allowing a five second delay between all pieces of equipment (5 hp and above) called to operate (in all buildings). All valves, dampers, etc. associated with equipment scheduled to operate on generator to also be energized as required."

MECHANICAL PRIOR APPROVALS - APPROVED

<u>ITEM</u>	<u>MANUFACTURER</u>
Air Handling Units	York Solution Central Station
Air Separator	Wessels
B-Vent Pipe and Fittings	Mitchell Metals Mitch Vent
Belt Drive Inline Exhaust Fans	Acme Eng. XB
Cabinet Exhaust Fans	Acme Eng. VQ
Cast Brass Grid Drains	Watts Series 629

**HUNT CORRECTIONAL ADDITIONS AND RENOVATIONS PHASE 2
MECHANICAL ADDENDUM ITEMS
June 2, 2005**



MECHANICAL PRIOR APPROVALS - APPROVED, Cont'd

<u>ITEM</u>	<u>MANUFACTURER</u>
Ceiling Centrifugal Exhauster	Penn Zephyr
Ceiling Radiation Dampers	Leader Ind. CFD-1
Centrifugal Roof Exhauster	Penn Domex
Circuit Setters	Nexus XB Series
Closet Carriers	Watts Drainage ISCA Series Mifab MC-30
Coil Kits	Bell & Gossett Valve Kits/Circuit Sentry Series
Combination Louvers	Leader Ind. 438CD
Cooling Tower	Evapco REP 217-111
Copper Fin Boilers	Camus Hydronics
Direct Drive Inline Exhaust Fans	Acme Eng. XD
Dynamic Fire Dampers	Leader Ind. D-215BX
Electric Water Cooler EWC-1	Halsey Taylor HAC8FS-Q SS Sunroc NWCA-8N-SC
Electric Water Cooler EWC-2	Halsey Taylor HAC8FSBL-Q SS Sunroc NWCA-8F-BLN-SC
Expansion Tank	Wessels Watts DETA Series
Fire Dampers	Nailor Industries D0120
Fire/Smoke Dampers	Nailor Industries 1270 Leader Ind. 502A
Flexible Connectors	UnaFlex
Floor Cleanout – Carpet	MIFAB C1102-R-1 MIFAB C1103-R-1 MIFAB C-1104-R-1 Watts Drainage CO-200-RC

**HUNT CORRECTIONAL ADDITIONS AND RENOVATIONS PHASE 2
MECHANICAL ADDENDUM ITEMS
June 2, 2005**



MECHANICAL PRIOR APPROVALS - APPROVED, Cont'd

<u>ITEM</u>	<u>MANUFACTURER</u>
Floor Cleanout – Tile	MIFAB C1102-TS-3 MIFAB C1103-TS-3 MIFAB C1104-TS-3 Watts Drainage CO-200-TS Watts Drainage CO-200-US Watts Drainage CO-200-R
Floor Cleanout – Unfinished Concrete	MIFAB C1102X-R-1 MIFAB C1103X-R-1 MIFAB C1104X-R-1 Watts Drainage CO-200-RX
Floor Drain FD-1	MIFAB F1102,3,4X-C-6-1-7 Watts Drainage FD-100-A
Floor Drain FD-2	MIFAB F1102,3,4X-C-6-1-6-7 Watts Drainage FD-100-A
Floor Drain FD-3	MIFAB F1322,3,4-C-Y-14-4-7 Watts Drainage FD-320-Y
Floor Drain FD-3 w/Funnel	MIFAB F1322,3,4-C-Y-14-4-7-F6-50
Flow Control Valves	Griswold Controls
Flow Measurement Valves	Watts Regulator Series CSM-61
Gas Fired Water Heaters	State TPG Series, GPG Series (Alternates)
Hand Sink	Griffin Model H60-128
Hose Bibb	MIFAB MHY-16-4,6,8 Zurn Z-1341-RC
Hot Water Unit Heaters	McQuay Model UH Reznor
HVAC/Plumbing Valves	Stockham Valves
In-Line Exhaust Fan	Penn Inliner Twin City Fan BSI
In-Line Pumps	Taco KV Series

**HUNT CORRECTIONAL ADDITIONS AND RENOVATIONS PHASE 2
MECHANICAL ADDENDUM ITEMS
June 2, 2005**



MECHANICAL PRIOR APPROVALS - APPROVED, Cont'd

<u>ITEM</u>	<u>MANUFACTURER</u>
Lavatory Carriers	Watts Drainage CA Series
Lavatory L-1	Crane Plumbing 1412 MIFAB MC-41-R Zurn Z-5344 Delta Commercial 21C131
Lavatory L-2	Crane Plumbing 1412 MIFAB MC-41-R Zurn Z-5344
Lavatory L-3	Crane Plumbing 1287 Zurn Z-5114 Delta Commercial 21C231
Lavatory L-4	Crane Plumbing 1287 Zurn Z-5114
Lavatory Faucet L-1	Chicago Faucets 802 CP T & S Brass B-2974 w/B-0199-08 Vandal Proof Aerator Zurn Z-81102
Lavatory Faucet L-2	Chicago Faucets 2200-4 CP T & S Brass B-2711 Zurn Z-7443-WF-FC
Lavatory Faucet L-3	Chicago Faucets 802 CP T & S Brass B-2974 w/B-0199-08 Vandal Proof Aerator Zurn Z-81102
Lavatory Faucet L-4	Chicago Faucets 802 CP T & S Brass B-2711 Zurn Z-7443-WF-FC
Louvers	United Enertech #FLD-4 Leader Ind. 438SD
Manual Dampers	Nailor Industries #31820
Medical Compressed Air System	Powerex, Inc. Model MTD0203-DD
Mop Sink	Acorn TRH-242406-KH36-KMH

**HUNT CORRECTIONAL ADDITIONS AND RENOVATIONS PHASE 2
MECHANICAL ADDENDUM ITEMS
June 2, 2005**



MECHANICAL PRIOR APPROVALS - APPROVED, Cont'd

<u>ITEM</u>	<u>MANUFACTURER</u>
Mop Sink Faucet MS-1	T & S Brass B-0665-BSTR Delta Commercial 28T9 Delta Commercial 28T911 Delta Commercial 28T910
Mop Sink Faucet MS-2	T & S Brass B-0665-BSTR
Motor Starters	Allen Bradley
P & T Plugs/Air Vents	Watts
Penal Bathtub	Crane Plumbing 2178
Penal Combo Lav / WC PC-1	Willoughby 1846 Series
Penal Combo Lav / WC PC-2	Willoughby 1846 Series
Penal Combo Lav / WC PC-3	Willoughby 1545 Series
Penal Drinking Fountain PDF-1	Willoughby DF-1015-96-HC Series
Penal Drinking Fountain PDF-2	Willoughby DF-1015-96-HC-FA Series
Penal Floor Toilet	Willoughby FD-1400-WF Series
Penal Lavatory PL-1	Willoughby HS-1013-46-HC Series
Penal Shower PS-1	Willoughby WRS-FA Series
Penal Shower PS-2	Willoughby WRS-BF-FA Series
Penal Shower PC-3	Willoughby WRS Series
Penal Shower PS-4	Willoughby WRS-BF Series
Penal Urinal	Willoughby UW-1814-BJ Series
Penal Water Closet PWC-1	Willoughby ETW-1490-ES Series
Penal Water Closet PWC-2	Willoughby ETW-1490-ES Series
Potable Water Expansion Tanks	Watts Regulator

**HUNT CORRECTIONAL ADDITIONS AND RENOVATIONS PHASE 2
MECHANICAL ADDENDUM ITEMS
June 2, 2005**



MECHANICAL PRIOR APPROVALS - APPROVED, Cont'd

<u>ITEM</u>	<u>MANUFACTURER</u>
Pre-Insulated Pipe	Insul Pipe Thermal Pipe Systems, Inc. Weld-Tite Series Piping System with HDPE Jacket
Pressure Balancing Valves	Powers Biltmore Series 900
Pressure Gauges	Watts Regulator DPGI
Propeller Wall Fan	Penn Breezeway Twin City Fan
P-Traps, Stops/Supplies, Drains	Watts Drainage Series 501, 503, 518 and 519
Pumps	Sulzer/Paco Pumps
Roof Exhaust Fan	Penn Domex Twin City Fan BCRD Acme Eng. PNURF Acme Eng. PRN
Service Sink Carrier	Watts Drainage CA Series
Service Sink Faucet MS-1	Zurn Z-843M1-RC
Service Sink Faucet MS-2	Zurn Z-843M1-RC
Sidewall Prop Exhaust Fans	Acme Eng. FQ
Sink SK-3	Crane Plumbing 7H544 Zurn Z-5410
Sink Faucet SK-1	T & S Brass B-2730 Zurn Z-7870-WF
Sink Faucet SK-2	T & S Brass B-2386 w/001784-40 Handles Zurn Z-831C4 Delta Commercial 27C2942-R15

**HUNT CORRECTIONAL ADDITIONS AND RENOVATIONS PHASE 2
MECHANICAL ADDENDUM ITEMS
June 2, 2005**



MECHANICAL PRIOR APPROVALS - APPROVED, Cont'd

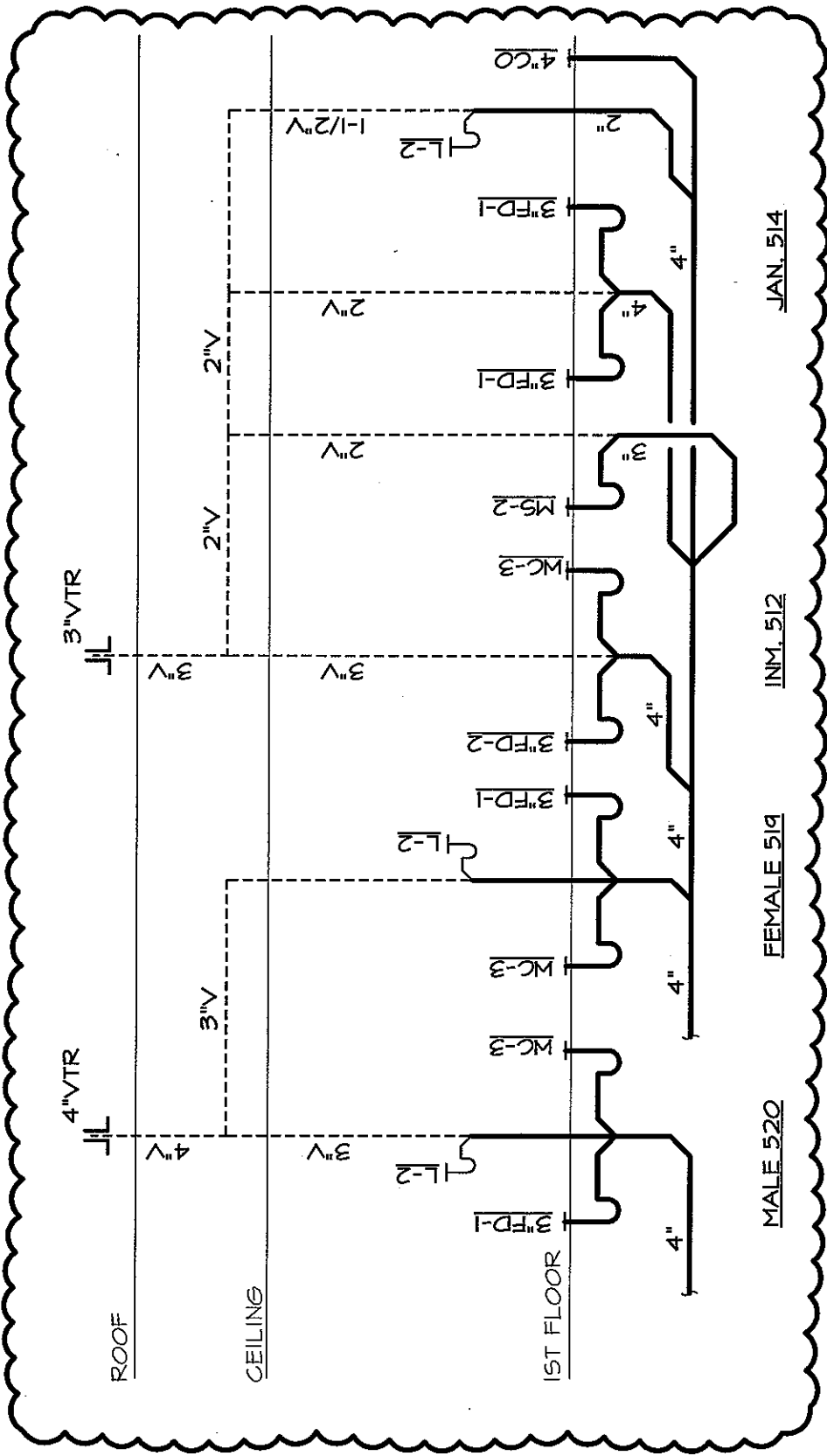
<u>ITEM</u>	<u>MANUFACTURER</u>
Sink Faucet SK-3	Chicago Faucets 814 CP T & S Brass B-0651 Service Sink Faucet T & S Brass B-0677 Bedpan Washer Zurn Z-842D6-LSI-PE-5XT Zurn Z-85500-WM-EVB-HK-SE-SH3-VC Delta Commercial 28T2945 Delta Commercial 54T1434A
Sink Faucet SK-4	Chicago Faucets 540LD-GN1AE3 CP T & S Brass B-0330 Zurn Z-842B4 Delta Commercial 28T4943
Smoke Dampers	Leader Ind. SMD-2A
Soft Solid State Starters	Cerus
Solid State Starters	General Electric ASTAT "CD" Series
Spiral Duct	Semco Custom Air Graco Metals
Stainless Steel Hand Wash Sinks	Griffin SK-4
Strainer	Watts
Suction Diffusers	Taco SD Series Sulzer/Paco
Temperature Controls	Honeywell Excel Series Siemens Building Technologies Apogee Lon Series Trane
Thermometers	Watts Regulator TBR
Thermometers and Gauges	Miljoco Corp.
Through-The-Wall HVAC Units	General Electric Zone Line
Trap Primer TP-1	MIFAB MI-750
Trap Primer TP-2	MIFAB MR-500
Triple Duty Valve	Sulzer/Paco

**HUNT CORRECTIONAL ADDITIONS AND RENOVATIONS PHASE 2
MECHANICAL ADDENDUM ITEMS
June 2, 2005**



MECHANICAL PRIOR APPROVALS - APPROVED, Cont'd

<u>ITEM</u>	<u>MANUFACTURER</u>
Unit Heaters	Reznor WS Series
Urinal Carriers	Watts Drainage CA Series
Urinal UR-1	Crane Plumbing 7360 MIFAB MC-32 Zurn Z-5750
Urinal UR-2	Crane Plumbing 7309 MIFAB MC-32 Zurn Z-5730
Vacuum Pump	Powerex, Inc. Model VVOTD0203
Variable Frequency Drives	Siemens
Variable Frequency Motor Speed Controllers	Invensys
Wall Cleanout	MIFAB C1432-RD-3 MIFAB C1433-RD-3 MIFAB C1434-RD-3 Watts Drainage CO-300-RD Watts Drainage CO-460-RD
Wall Fan	Penn Breezeway
Wall Propeller Fan	Twin City Fan WPMB
Water Closet WC-1	Crane Plumbing 3446 Zurn Z-5610
Water Closet WC-2	Crane Plumbing 3446 Zurn Z-5610
Water Closet WC-3	Crane Plumbing 3325 Zurn Z-5650
Water-Cooled Screw Chiller	York Model YCWS0140SC46 McQuay Model WGS130A
Water Supply Stops	Watts Series 890/892/894
Wheel Chair Lavatory Strainer	Watts 629



PLUMBING RISER DIAGRAMS - BUILDING 5

NOT TO SCALE

JAN. 514

INM. 512

FEMALE 519

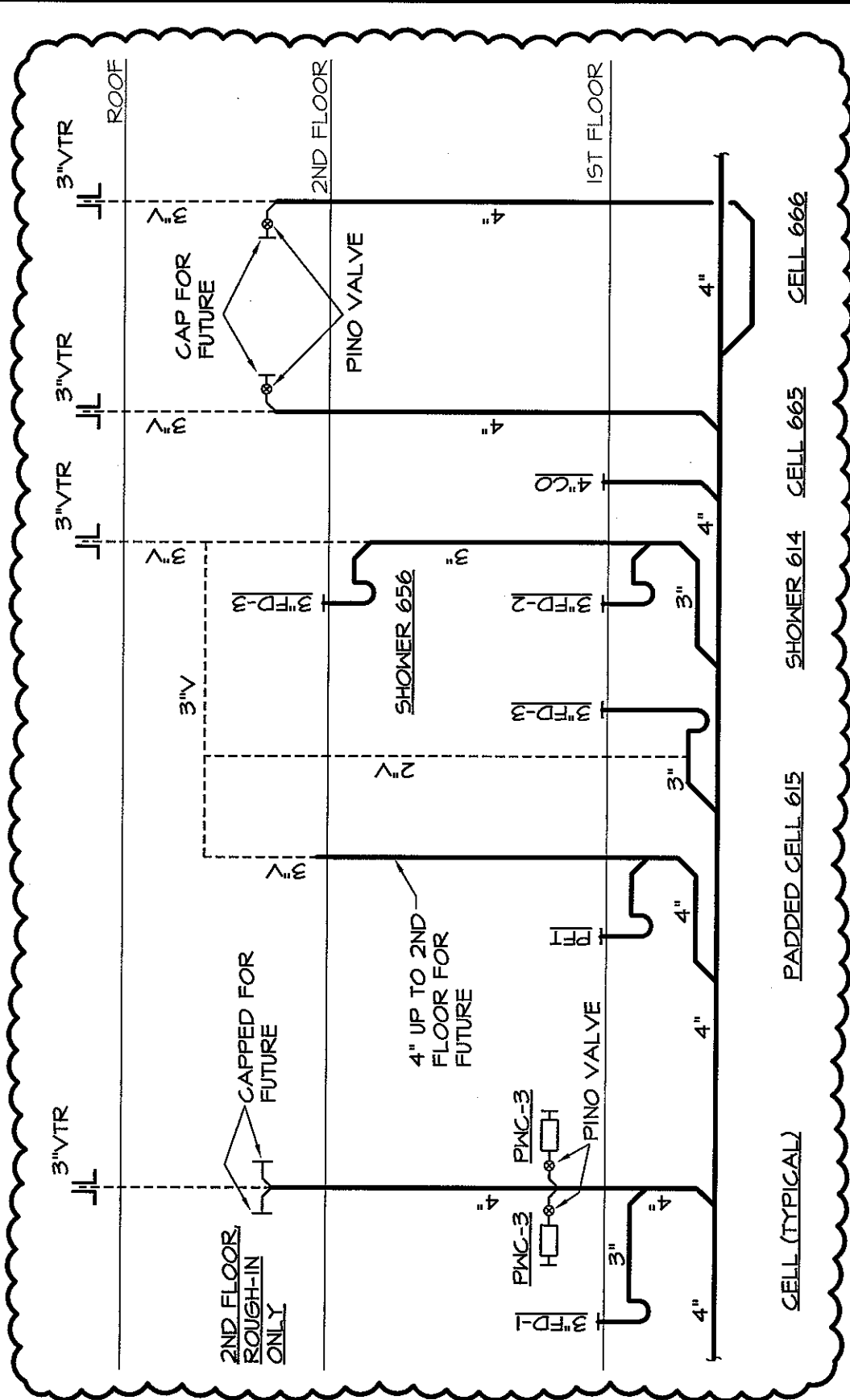
MALE 520

PLUMBING RISER ADDITIONS
05-30-05



8417 Keewood Avenue
Baton Rouge, Louisiana 70806
Phone: 225/926-5600
Fax: 225/926-5620

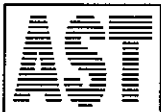
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 SUBJECT: PLUMBING RISER ADDITIONS
 DRAWN BY: TAS CHECKED BY: LJ
 PROJECT NO.: 04-6401
 DATE: 06-02-05 SHEET: 1M3.12R1, 1 OF 3



PLUMBING RISER DIAGRAMS - BUILDING 5

NOT TO SCALE

PLUMBING RISER ADDITIONS
05-30-05



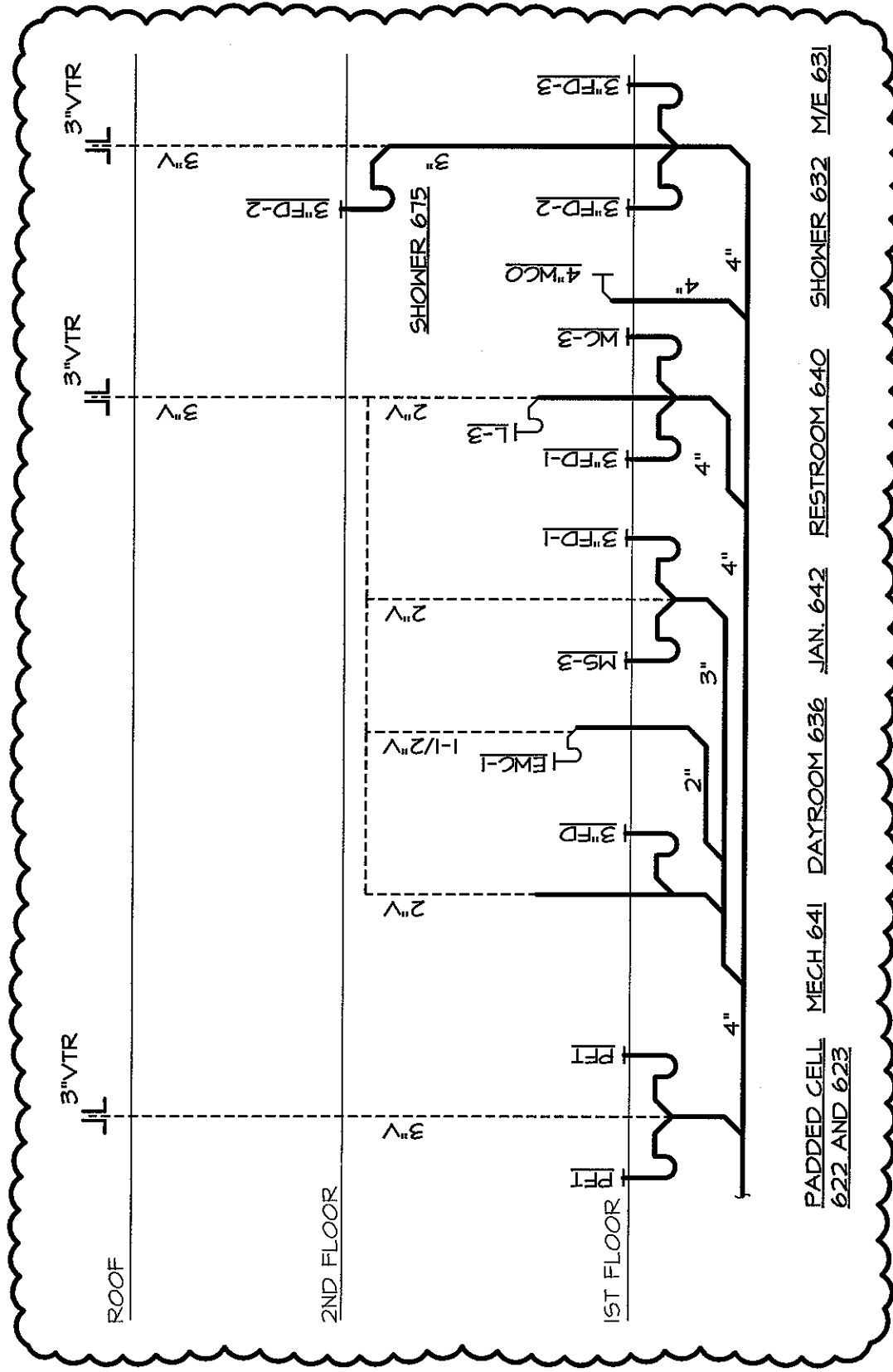
**ASSAF,
SIMONEAUX,
TAUZIN
& ASSOCIATES, INC.**

consulting engineers

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PROJECT:	HUNT CORRECTIONAL ADDITIONS PHASE 2
SUBJECT:	PLUMBING RISER ADDITIONS
DRAWN BY:	TAS
CHECKED BY:	LJ
PROJECT NO.:	04-6401
DATE:	06-02-05
SHEET:	1M3.12R1, 2 OF 3



PADDED CELL MECH 641 DAYROOM 636 JAN. 642 RESTROOM 640 SHOWER 632 M/E 631
 622 AND 623

PLUMBING RISER DIAGRAMS - BUILDING 5

NOT TO SCALE

PLUMBING RISER ADDITIONS
 05-30-05



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PROJECT: HUNT CORRECTIONAL ADDITIONS PHASE 2
 SUBJECT: PLUMBING RISER ADDITIONS
 DRAWN BY: TAS CHECKED BY: LJ
 PROJECT NO.: 04-6401
 DATE: 06-02-05 SHEET: 1M3.12R1, 3 OF 3

ADDENDUM INFORMATION
DIVISION 16
ELAYN HUNT SKILLED NURSING FACILITY
State Project No. 08-413-97B-1, Part 7
F&T Job No. 84637
(June 3, 2005)

TO ALL CONTRACTORS

The following items shall be considered part of the Contract Documents and shall be included in same when Construction Contract is executed. Changes made by Addenda shall take precedence over original Documents. Any changes, which may affect construction or proper installation of materials, equipment or fixtures, not specifically mentioned in this Addendum, should be brought to the attention of Designer before submitting bid. Otherwise, such conditions, if found later to exist, must be worked out in an acceptable manner without additional cost to the Owner. Prime Contractors are hereby advised to call attention of all subcontractors to changes, which may affect their work.

GENERAL

1. As a clarification, to Addendum Number One Drawing E1.70, the referenced disconnect switch should be rated "NEMA 12" enclosure in lieu of the "NEMA 1" stated.
2. As a clarification, the ceiling mounted lighting fixtures in the Dormitory areas of Building Four shall not be supported from the metal security ceiling panels only. The type C2 and C3 lighting fixtures shall be supported from the ceiling purlins which provide the support for the security ceiling panels. The type C2 and C3 lighting fixtures require a minimum of six (6) fasteners per fixture to maintain the fixture warranty. It shall be the Contractor's option to either provide additional purlins fastened perpendicular between the ceiling purlins or provide 1 5/8" square support channel fastened perpendicular between the ceiling purlins to provide the additional support needed to properly install the lighting fixtures. With either choice, minimum 3/8" diameter studs penetrating the ceiling panels shall be used to support the lighting fixtures. Coordinate lighting fixture installation with the metal ceiling manufacturer to insure integrity of ceiling system is not compromised. All lighting fixtures or other ceiling mounted devices regardless of support method shall be provided with separate support by hanger wires as defined on Drawing E3.00, Details 1, 2 and 3.

DRAWINGS

DRAWING E1.02 – NORMAL 13.8KV ONE LINE DIAGRAM

1. As a clarification, the KWH meter indicated for totalizing Sections 1 and 2 shall be located in Section 1 and the KWH meter indicated for totalizing Sections 6, 7 and 8 shall be located in Section 8.
2. As a clarification, the incoming feeder to Section 5 shall be two (2) per phase #4/0, 15KV conductors.

DRAWING E1.02 – EMERGENCY 13.8KV ONE LINE DIAGRAM

1. Add fault indicators to the feeders in Sections 1, 3, 6 and 7 of Switchgear SWGR-3.
2. Provide voltmeter and voltmeter switch on the normal 15KV bus of Switchgear SWGR-3.
3. As a clarification, at the Contractor's option, the 15KV bus tie switch Section No. 5 of Switchgear SWGR-3 shall initiate the start sequence of the generator system upon loss of voltage to the normal bus by opening the tie switch in lieu of the generator system sensing loss of voltage on the emergency bus. Coordinate with the generator system to insure response times meet NFPA 110.
4. As a clarification, at the Contractor's option, the generator system shall signal the bus tie to close after verification the normal bus voltage has returned for an appropriate time delay period.
5. As a clarification, the generator system shall initiate opening of the Switchgear SWGR-3 Section No. 5 bus tie during exercising, to allow only the emergency bus to serve as load during "with load" testing of generator system. Exercising of generators shall also initiate timed sequence of the energy management system and insure only limited stepped loads are connected to the emergency bus.
6. Provide a front panel mounted key operated switch in Switchgear SWGR-3 Section 5 bus tie to provide manual bypass of interlock system and allow bus tie to be manually closed during generator operation to allow the normal bus to be served from the generator system under supervision of authorized personnel only. In addition, provide a stainless steel engraved written sequence of operation for authorized personnel to manually close bus tie during generator operation to selectively provide power to the normal bus.

DRAWING E3.00, DETAIL NO. 4;

As a clarification, the quantity of fasteners shown for specific type of lighting fixtures shall apply at all locations where these fixtures are installed and is not limited to the concrete structure type as shown. Appropriate stainless steel fasteners shall be utilized for the various mounting surfaces.

DRAWING E3.00, DETAIL NO. 6;

The minimum type hardware to be used to fasten the lighting fixture to the lighting fixture adapter (adapter provided by walkway manufacturer), shall be a minimum of four (4) 1/4" diameter stainless steel bolts, fender washers, lock washers, neoprene washers and nuts at each connection. The intent of the installation is to yield a concealed and watertight lighting fixture and conduit attachment to the walkway. Coordinate with walkway manufacturer to insure lighting fixture provided this project is compatible with the adapter provided by the walkway manufacturer.

SPECIFICATIONS

SECTION 16320, PARAGRAPH 2.1, P

Add sentence to end of paragraph to read as follows:

“Provide light fixture mounted in the top of each cubicle to fully illuminate cubicle.”

ACCEPTABLE SUBSTITUTIONS:

The following manufacturers are considered equal to that specified in name brand and series only. However, neither the full effects of using them nor the compatibility with the entire project have been evaluated. Any required changes or modifications to the project resulting from substitutions shall be the responsibility of the Contractor.

Lighting Fixture Types as Follows

A	-	Day-Brite Lighting 2DP Series
A1	-	Day-Brite Lighting 2DP Series
A2	-	Day-Brite Lighting 2DP Series
A3	-	Day-Brite Lighting 2DP Series
B	-	Mercury M Series
B1	-	Mercury M Series
B2	-	Mercury M Series
C	-	Morlite SM Series
C1	-	Morlite SM Series
C2	-	Morlite SM Series
C3	-	Morlite SM Series
C4	-	Morlite VCM Series
C5	-	Morlite VCM Series
C6	-	Morlite SM Series

C7	-	Morlite SM Series
D	-	Day-Brite T Series
E	-	Day-Brite DW Series
F	-	Day-Brite 2LP3 Series
F1	-	Day-Brite 2S3P Series
G	-	Morlite SM Series
H	-	Morlite 8709 Series
H1	-	Morlite 8713 Series
H2	-	Morlite 8713 Series
H3	-	Morlite 8713 Series
I	-	Morlite VH1212 Series
J	-	Nite Brites WLM Series
J1	-	Nite Brites WLM Series
K	-	Day-Brite CH Series
L	-	Morlite W-HH-147 Series
M	-	Day-Brite HBO Series
N	-	Morlite V1212 Series
O	-	EmcoAVA Series
	-	Emco TRA Series
Q	-	Nite Brites FLI Series
	-	Nite Brites RBH2 Series
	-	Nite Brites TRA Series
S	-	WF Harris 300 Series
U	-	Day-Brite NS Series
W	-	Day-Brite NX Series
X	-	McPhilben ER60L Series

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DRAWING A1.03, DETAIL NUMBER 9;

As a clarification, the walkway cover manufacturer shall provide a minimum 10gauge aluminum adapter shaped to fit the underside of the walkway cover profile and be sealed to the walkway to prevent entrance of contraband material and bird nesting. Adapter shall be coordinated and sized to match the walkway lighting fixture type (nominal 12" x 12") provided this project plus a minimum 1/4" extra width on each side. Walkway cover shall allow for field cutting of the conduit openings needed for installation of the walkway lighting system while still providing a watertight raceway.

- a. CertainTeed Corp.
 - b. Knauf Fiber Glass GmbH.
 - c. Manville: Building Insulations Div., Manville Sales Corp.
 - d. Owens/Corning Fiberglas Corp.
2. Manufacturers of Nailable roofing insulation : (R 19.4 – 4.2" thickness)
 - a. Apache – Venting Nail line.
 - b. Atlas – AC Foam Vented R Nail Base Insulation.
 - c. Cornell Corporation – ThermaCal 1
 3. Manufacturers of Foamed in place Insulation Foamed in place insulation: (at concrete masonry cells at exterior walls):
 - a. Thermco
 - b. Core-Fill 500

2.2 INSULATING MATERIALS

- A. General: Provide insulating materials that comply with requirements and with referenced standards.
 1. Preformed Units: Sizes to fit applications indicated, selected from manufacturer's standard thicknesses, widths, and lengths.
- B. Nailable Roofing Insulation:

The system consist of a polyisocyanurate foam core, bonded to a top layer of 7/16" APA rated OSB and a fiber reinforced facer on the bottom. System shall be manufactured with a 3/4" air space on the top side between the insulation and OSB. Roof system to be 4.20 inches in thickness and capable of achieving an R-value of 19.4 or greater. For use with shingle roofing system.

Material properties:

 1. APA rated nailable surface
 2. Federal Specification: JJ-I-1972/Gen (foam only)
 3. ASTM C1289-02, Class 1, Type V
- C. Foamed in place insulation:

The foamed in place insulation is to be injected in the walls per manufacturer's specifications. The material shall be applied in such a manner as to assure complete cavity fill. The product shall be applied with the liquid ratios at the mixing gun being within the manufactures specified range. A cubic foot of the fresh foam shall weigh between 2 lbs. 8 oz. and 3 lbs. 6 oz. After installation of the material, allow two weeks for curing before painting the walls. The installation of the foam insulation shall be contracted only by a firm which is certified and/or approved by the manufacturer of the insulation. After the foam is installed and cured the walls shall be protected from excessive moisture (rain) for 24 hours.

Material properties:

ADDENDUM INFORMATION
DIVISION 16
ELAYN HUNT SKILLED NURSING FACILITY
State Project No. 08-413-97B-1, Part 7
F&T Job No. 84637
(June 3, 2005)

SPECIFICATIONS

SECTION 16720, PARAGRAPH 1.13:

Add paragraph D to read as follows:

“D. The intent of the Construction documents is to provide sufficient initiation and notification devices for each building. The Contractor shall review the locations, quantity and type of devices provided this project prior to bidding and make any adjustments in quantity and locations as necessary to meet the requirements of NFPA 72 and the State Fire Marshal and make all allowances prior to bidding.”

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