

# Department of Veterans Affairs

## John J. Pershing VAMC Clinical & Urgent Care Addition

1500 N Westwood Blvd, Poplar Bluff, MO 63901

VA PROJECT NO. 657-351  
CONSTRUCTION DOCUMENTS - FINAL BID DOCUMENTS  
DECEMBER 14, 2015

# CANNONDESIGN

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### Consultants:

<b>Landmark Engineering Group, Inc.</b> Civil Engineer 2834 104th Street Urbandale, IA 50322 515.221.1322	<b>Gateway Geotechnical, LLC</b> Geotechnical Engineer 17736 Edison Avenue Chesterfield, MO 63005 636.532.7747	<b>SWT Design</b> Landscape Architect 7722 Big Bend Boulevard St. Louis, MO 63119 314.644.5700	<b>Hinman Consulting Engineers, Inc</b> Physical Security One Bush Street, Suite 510 San Francisco, CA 94104 415.621.4423	<b>The Schachinger Group</b> Elevator 4255 Stoney Creek Drive Fort Collins, CO 80525 703.608.2263	<b>SidePlate</b> Steel Frame 25909 Pala, Ste 200, 92691 Mission Viejo, CA 949.305.7889
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THIS STAMP IS FOR CIVIL DRAWINGS



THIS STAMP IS FOR STRUCTURAL DRAWINGS SS-001 THRU SS-512



THIS STAMP IS FOR STRUCTURAL DRAWINGS SS-601 THRU SS-606



THIS STAMP IS FOR GENERAL AND ARCHITECTURAL DRAWINGS



THIS STAMP IS FOR FIRE PROTECTION PLUMBING AND MECHANICAL DRAWINGS



THIS STAMP IS FOR ELECTRICAL DRAWINGS

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### ARCHITECT/ENGINEERS:

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Drawing Title <b>COVER SHEET</b>		Project Title <b>John J. Pershing VAMC Clinical &amp; Urgent Care Addition</b>		Project Number <b>657-351</b> <small>CANNON DESIGN PROJECT NO. 03860.05</small>	
Approved: Project Director		Location <b>Poplar Bluff, Missouri</b>		Building Number	
Date <b>DEC 14, 2015</b>	Checked <b>Checker</b>	Drawn <b>Author</b>		Drawing Number <b>GI-001</b> Dwg. of	

Department of Veterans Affairs

**GENERAL**

SHEET #	SHEET NAME
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GI-002	DRAWING INDEX
GI-003	SYMBOLS & ABBREVIATIONS
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GC-102	GROUND LEVEL CODE COMPLIANCE PLAN
GC-103	LEVEL 01 CODE COMPLIANCE PLAN
GC-104	PHASING PLAN

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CD-101	SITE DEMOLITION PLAN
CD-101A	SITE DEMOLITION PLAN - BID ALTERNATE 2
CS-101	SITE PLAN
CS-101A	SITE PLAN - BID ALTERNATE 2
CS-102	GRADING AND DRAINAGE PLAN
CS-102A	GRADING AND DRAINAGE PLAN - BID ALTERNATE 2
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SS-211	LATERAL SYSTEM ELEVATIONS
SS-212	LATERAL SYSTEM ELEVATIONS
SS-301	TYPICAL FOUNDATION DETAILS
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SS-601	SSMF GENERAL NOTES (1 OF 2)
SS-602	SSMF GENERAL NOTES (2 OF 2)
SS-603	SSMF A TYPE & B TYPE TYPICAL DETAILS
SS-604	SSMF C TYPE TYPICAL DETAILS
SS-605	SSMF TYPICAL BEAM DETAILS
SS-606	SSMF MISC DETAILS



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THIS STAMP IS FOR STRUCTURAL DRAWINGS SS-601 THRU SS-606

**ARCHITECTURAL**

SHEET #	SHEET NAME
AD-101	DEMOLITION PLANS
AS-101	LOWER LEVEL FLOOR PLAN
AS-102	GROUND LEVEL FLOOR PLAN
AS-103	LEVEL 01 FLOOR PLAN
AS-103A	LEVEL 01 FLOOR PLAN - BID ALTERNATE 1
AS-104	ROOF PLAN
AS-201	EXTERIOR ELEVATIONS
AS-202	EXTERIOR ELEVATIONS
AS-301	BUILDING SECTIONS
AS-302	WALL SECTIONS
AS-303	WALL SECTIONS
AS-304	WALL SECTIONS
AS-305	WALL SECTIONS
AS-306	WALL SECTIONS
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AS-403	LEVEL 01 ENLARGED FLOOR PLAN
AS-404	ENLARGED LOBBY PLANS
AS-411	ELEVATOR PLANS AND SECTION
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AS-512	EXTERIOR SECTION DETAILS
AS-513	EXTERIOR SECTION DETAILS
AS-514	EXTERIOR DETAILS
AS-521	ROOF DETAILS
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AS-612	PARTITION DETAILS
AS-621	DOORS & BORROWED LIGHTS
AI-101	LOWER LEVEL REFLECTED CEILING PLAN
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AI-103A	LEVEL 01 REFLECTED CEILING PLAN - BID ALTERNATE 1
AI-111	WALL PROTECTION PLANS
AI-201	MOUNTING HEIGHTS
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AI-203	INTERIOR ELEVATIONS LOWER LEVEL
AI-204	INTERIOR ELEVATIONS LOWER LEVEL
AI-205	INTERIOR ELEVATIONS LOWER LEVEL
AI-206	INTERIOR ELEVATIONS GROUND LEVEL
AI-208	INTERIOR ELEVATIONS LEVEL 1
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AI-210	INTERIOR ELEVATIONS LEVEL 1
AI-801	CEILING DETAILS
AI-802	INTERIOR DETAILS
AI-803	INTERIOR DETAILS
AI-804	MILLWORK DETAILS
AI-805	MILLWORK STANDARDS & DETAILS
AF-101	FLOOR FINISH PLANS



THIS STAMP IS FOR GENERAL AND ARCHITECTURAL DRAWINGS

**EQUIPMENT**

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QH-102	GROUND LEVEL EQUIPMENT PLAN
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QH-104	LOBBY EQUIPMENT PLANS

**FIRE PROTECTION**

SHEET #	SHEET NAME
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FA-102	GROUND LEVEL FIRE ALARM PLAN
FA-103	LEVEL ONE FIRE ALARM PLAN
FA-103A	LEVEL ONE FIRE ALARM PLAN - BID ALTERNATE 1
FA-104	ROOF LEVEL FIRE ALARM PLAN
FA-601	FIRE ALARM RISER DIAGRAM
FX-101	FIRE SUPPRESSION ABBREVIATIONS & SYMBOLS
FX-101	FIRE SUPPRESSION LOWER LEVEL PLAN
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FX-103	FIRE SUPPRESSION LEVEL 01 PLAN
FX-103A	FIRE SUPPRESSION LEVEL ONE PLAN - BID ALTERNATE 1
FX-104	FIRE SUPPRESSION PENTHOUSE PLAN
FX-601	FIRE PROTECTION DETAILS

**PLUMBING**

PL-001	PLUMBING ABBREVIATIONS AND SYMBOLS
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PL-101	PLUMBING LOWER LEVEL PIPING PLAN
PL-102	PLUMBING GROUND LEVEL PIPING PLAN
PL-103	PLUMBING LEVEL 01 PIPING PLAN
PL-103A	PLUMBING LEVEL 01 PIPING PLAN - BID ALTERNATES 1 AND 8
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PL-201	PLUMBING RISER DIAGRAMS
PL-202	PLUMBING RISER DIAGRAMS
PL-501	PLUMBING SCHEDULES
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DP-101	PROCESS PIPING LOWER LEVEL PLAN
DP-102	PROCESS PIPING GROUND LEVEL PLAN
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**MECHANICAL**

MH-001	SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES
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MH-102	GROUND LEVEL HVAC DUCTWORK & DEMO PLAN
MH-103	LEVEL 01 HVAC DUCTWORK PLAN
MH-103A	LEVEL 01 HVAC DUCTWORK PLAN - BID ALTERNATE 1
MH-104	ROOF LEVEL HVAC PLAN
MH-201	LOWER LEVEL HVAC PIPING PLAN
MH-202	GROUND LEVEL HVAC PIPING PLAN
MH-203	LEVEL 01 HVAC PIPING PLAN
MH-203A	LEVEL 01 HVAC PIPING PLAN - BID ALTERNATE 1
MH-301	ENLARGED PLANS AND SECTIONS
MH-501	SCHEDULES
MH-502	SCHEDULES
MH-503	SCHEDULES
MH-601	FLOW AND CONTROL DIAGRAMS
MH-602	FLOW AND CONTROL DIAGRAMS
MH-603	FLOW AND CONTROL DIAGRAMS
MH-604	FLOW AND CONTROL DIAGRAMS
MH-701	DETAILS
MH-702	DETAILS
MH-703	DETAILS



THIS STAMP IS FOR FIRE PROTECTION PLUMBING AND MECHANICAL DRAWINGS

**ELECTRICAL**

EP-001	LEGENDS, SYMBOLS & ABBREVIATIONS
EP-002	LEGENDS, SYMBOLS & ABBREVIATIONS
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ED-102	GROUND LEVEL AND FIRST LEVEL PLAN - DEMOLITION
EL-101	LOWER LEVEL LIGHTING PLAN
EL-102	GROUND LEVEL LIGHTING PLAN
EL-103	LEVEL ONE LIGHTING PLAN
EL-103A	LEVEL ONE LIGHTING PLAN - BID ALTERNATE 1
EL-104	ROOF LEVEL LIGHTING PLAN
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EL-502	LIGHTING SCHEDULE
EP-101	LOWER LEVEL POWER PLAN
EP-102	GROUND LEVEL POWER PLAN
EP-103	LEVEL ONE POWER PLAN
EP-103A	LEVEL ONE POWER PLAN - BID ALTERNATE 1
EP-104	ROOF LEVEL POWER PLAN
EP-401	ENLARGED PLANS
EP-511	EQUIPMENT CONNECTION SCHEDULE
EP-512	FEEDER SCHEDULES AND DETAILS
EP-601	GROUNDING RISER DIAGRAM AND DETAILS
EP-701	ONE-LINE DIAGRAM
EP-801	PANEL SCHEDULES
EP-802	PANEL SCHEDULES
ES-101	ELECTRICAL SITE PLAN
ES-101A	ELECTRICAL SITE PLAN - BID ALTERNATE 3
ES-401	SITE ENLARGED PLAN
ES-402	TECHNOLOGY SITE ENLARGED PLAN
EY-101	LOWER LEVEL SYSTEMS PLAN
EY-102	GROUND LEVEL SYSTEMS PLAN
EY-103	LEVEL ONE SYSTEMS PLAN
EY-103A	LEVEL ONE SYSTEMS PLAN - BID ALTERNATE 1
EY-501	SYSTEMS DETAILS
EY-502	SYSTEMS DETAILS
EY-601	NURSE CALL RISER DIAGRAM



THIS STAMP IS FOR ELECTRICAL DRAWINGS

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

Revisions:	Date
1	12/14/15
FINAL BID PACKAGE	

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Drawing Title

**DRAWING INDEX**

Approved: Project Director

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**John J. Pershing VAMC  
Clinical & Urgent Care Addition**

Location

**Poplar Bluff, Missouri**

Date

**DEC 14, 2015**

Checked

**Checker**

Drawn

**Author**

Project Number

**657-351**  
CANNON DESIGN PROJECT NO. 0385.05

Building Number

Drawing Number

**GI-002**

Dwg. of

Office of  
Construction  
and Facilities  
Management

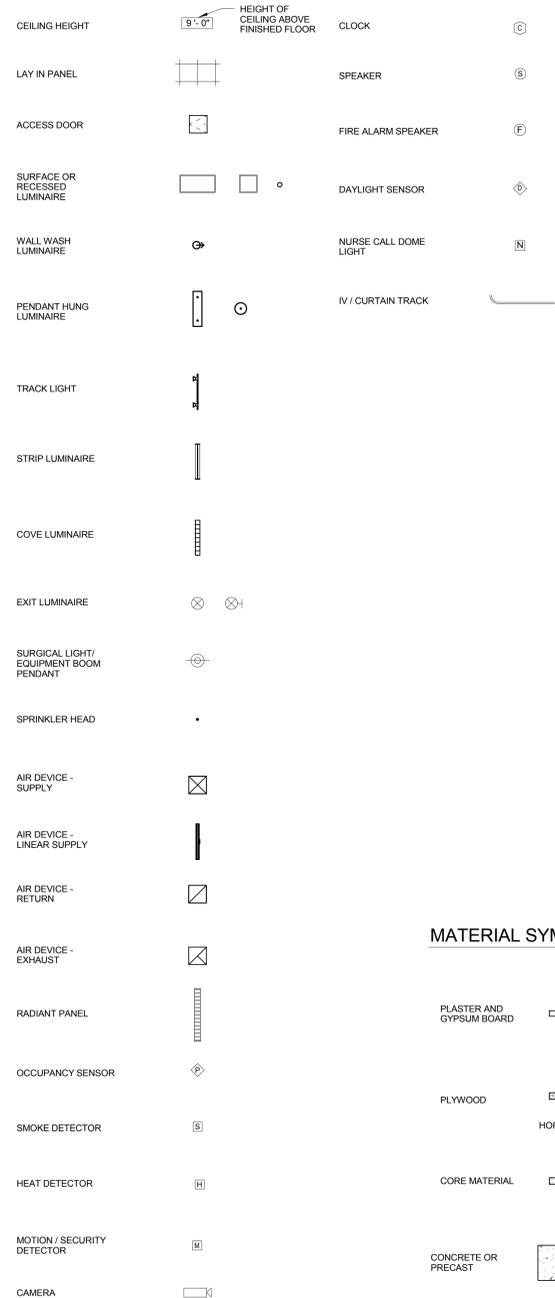
Department of  
Veterans Affairs

CONSTRUCTION DOCUMENTS - FINAL BID DOCUMENTS

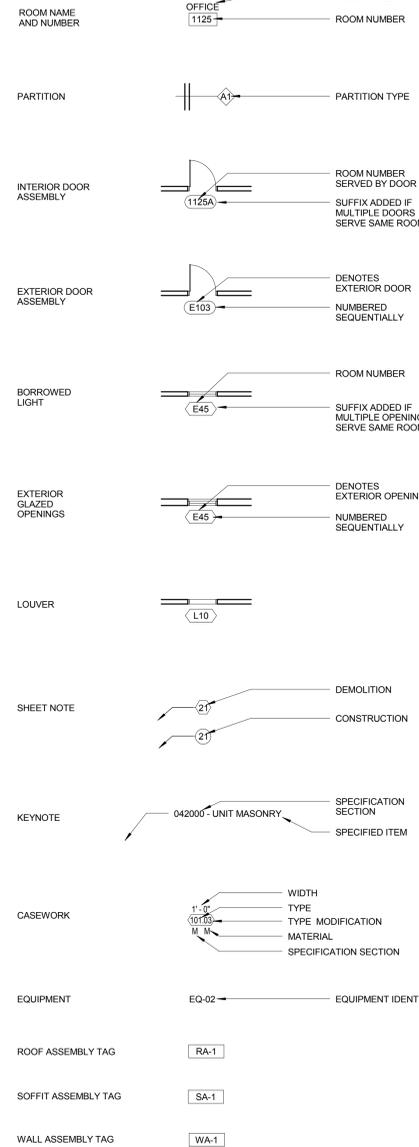
PLAN SYMBOLS



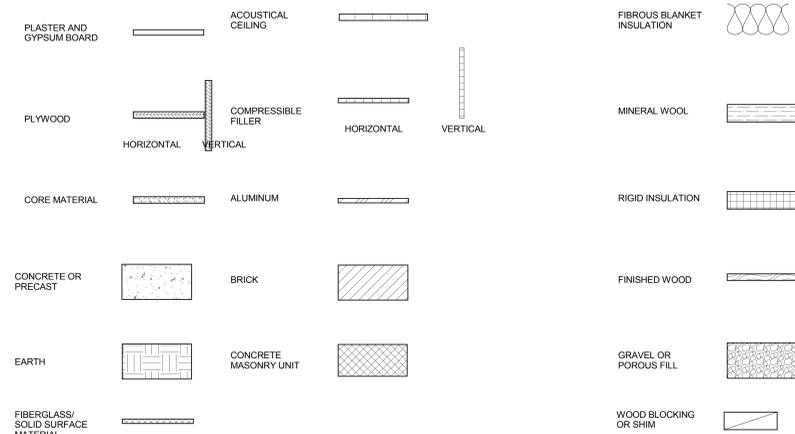
REFLECTED CEILING PLAN SYMBOLS



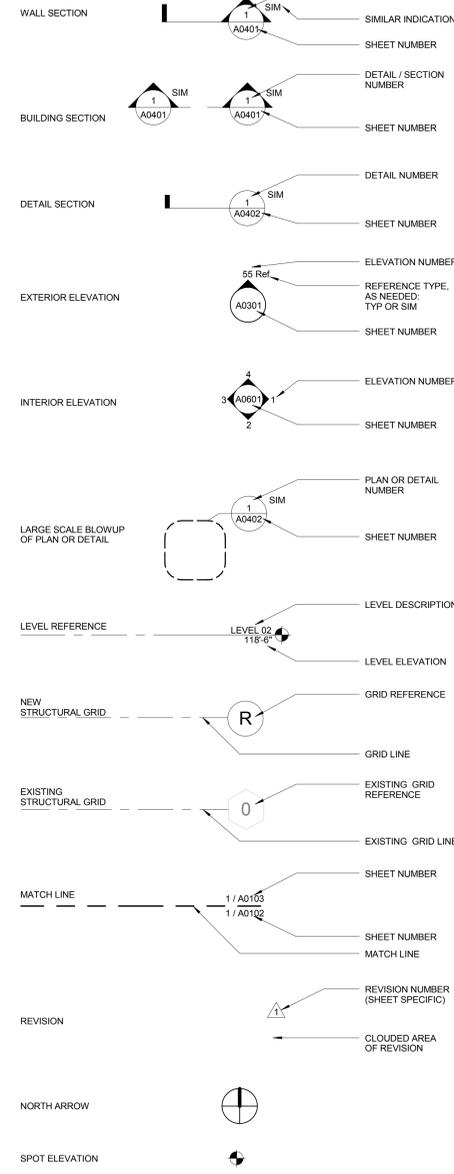
REFERENCE SYMBOLS (ARCHITECTURAL)



MATERIAL SYMBOLS



REFERENCE SYMBOLS (ALL DISCIPLINES)



GENERAL NOTES

- ENCLOSE ALL EXPOSED DUCTS, PIPES, CONDUITS, ETC. IN FINISHED SPACE WITH CONSTRUCTION AND FINISH TO MATCH ADJACENT CONSTRUCTION UNO.
- PROVIDE ACCESS DOORS OF APPROPRIATE SIZE, TYPE AND FIRE RATING FOR ALL CONCEALED ITEMS THAT REQUIRE ADJUSTMENT, MAINTENANCE, MONITORING, ETC. COORDINATE LOCATIONS WITH ARCHITECT.
- DO NOT DETERMINE DIMENSIONS AND SIZE OF THE GRAPHIC REPRESENTATIONS SHOWN ON THE DRAWINGS BY USING MEASURING DEVICES (DO NOT "SCALE"). RELY ON THE NUMERIC DIMENSIONS SHOWN ON THE DRAWINGS FOR MEASUREMENT.
- DIMENSIONS ARE TAKEN FROM CENTERLINE OF STRUCTURE. FACE OF CONCRETE OR FINISHED FACE OF PARTITIONS UNO. SEE PARTITION TYPES SHEETS (A1000 SERIES) FOR PARTITION THICKNESS AND MATERIALS.
- CENTER ITEMS IN CEILING PANELS UNO.
- REFER TO FINISH LEGEND FOR FINISH PLAN SYMBOLS.
- ALL PRECAST CONCRETE PANEL JOINTS TO RECEIVE TWO (2) LINES OF BACKER ROD AND SEALANT.
- ALL WINDOW ROUGH OPENINGS TO HAVE AIR VAPOR BARRIER RETURNED INTO ROUGH OPENINGS.
- ALL COMPOSITE METAL PANEL DETAILS SHALL HAVE AIR VAPOR BARRIER TERMINATE ONTO THE PRECAST PANEL. THE TERMINATION POINT TO BE PLACED CLOSER TO INTERIOR FACE OF PRECAST FOR EASE OF DETAILING AT THESE CONDITIONS.

ABBREVIATIONS

AC	AIR CONDITIONING	ICRA	INFECTION CONTROL RISK ASSESSMENT	S	SEALED
ACC	ACCESSIBLE	ILSM	INTERIM LIFE SAFETY MEASURE	SDF	STATIC DISSIPATIVE FLOORING
ACM	ASBESTOS CONTAINING MATERIAL	INST	INSTALLED	SECT	SECTION
ADJ	ADJACENT	INSUL	INSULATION / INSULATED	SHR	SHOWER
AFF	ABOVE FINISHED FLOOR	INT	INTERIOR	SHT	SHEET
AGF	ARCHITECTURAL GLASS FLOORING	JAN	JANITOR	SM	SPECIALIZED METAL
ALUM	ALUMINUM	JCAP	J CAP SPACE MOULDING	SOG	SLAB-ON-GRADE
ALT	ALTERNATE	JT	JOINT	SP	SPECIFY / SPECIFICATION
APC	ADJUSTICAL PANEL CEILING	KIT	KITCHEN	SPF	SPRAYED POLYURETHANE FOAM
ARCH	ARCHITECT (URAL)	LAB	LABORATORY	SS	SOLID SURFACE / SURFACING
ASN	ABRASIVE STAIR NOSING	LAM	LAMINATE(D)	SST	STAINLESS STEEL
ATC	ACOUSTICAL TILE CEILING	LAV	LAVATORY	ST	STONE
AUTO	AUTOMATIC	LGT	LENGTH	STC	SOUND TRANSMISSION CLASS
AWP	ACOUSTICAL WALL PANEL	LH	LEFT HAND	STD	STANDARD
BLDG	BUILDING	LIN	LINE	STR	STRUCTURE / STRUCTURAL
BLKG	BLOCKING	LP	LOW POINT	STRUC	STRUCTURE / STRUCTURAL
BRG	BEARING	LT	LIGHT	SUSP	SUSPENDED
BSMT	BASEMENT	LTWT	LIGHTWEIGHT	SV	SHEET VINYL
C	COURSE	LVT	LUXURY VINYL TILE	SWC	SPECIAL WALL COATING
CFCI	CONTRACTOR FURNISHED - CONTRACTOR INSTALLED	MACH	MACHINE	T	TREAD
CF	CONDUCTIVE FLOORING	MARB	MARBLE	TACK	TACK BOARD
CFMF	COLD-FORMED METAL FRAMING	MAS	MASONRY	TBD	TO BE DETERMINED
CG	CORNER GUARD	MATL	MATERIAL	TEMP	TEMPORARY
CIP	CAST-IN-PLACE	MAX	MAXIMUM	TERR	TERRAZZO
CJ	CONTROL JOINT	MB	MARKER BOARD	TERB	TERRAZZO BASE
CLG	CEILING	MCM	METAL COMPOSITE MATERIAL	TEXT	TEXTURE
CLO	CLOSET	MECH	MECHANICAL	THK	THICKNESS
CLR	CLEAR(ANCE)	MES	METAL EDGE STRIP	TLT	TOILET
CLRM	CLASSROOM	MEZZ	MEZZANINE	TOS	TOP OF STEEL
CMT	CERAMIC MOSAIC TILE	MFR	MANUFACTURER / MANUFACTURED	TOW	TOP OF WALL
CMTB	CERAMIC MOSAIC TILE BASE	MIN	MINIMUM	TP	TANGENT POINT
CMU	CONCRETE MASONRY UNIT	MO	MISCELLANEOUS	TS	TACKLE SURFACE
CO	CLEAN OUT	MISC	MASONRY OPENING	TRSLT	TRANSLUCENT
COL	COLUMN	MPC	METAL PANEL CEILING	TYP	TYPICAL
COMM	COMMUNICATION	MSS	METAL SUSPENSION SYSTEM	T&G	TONGUE & GROOVE
CONC	CONCRETE	MW	MILLWORK	UC	UNDERCOUNTER
CONF	CONFERENCE	NIC	NOT IN CONTRACT	UPH	UPHOLSTERY
CONT	CONTINUOUS	NO	NUMBER	UNO	UNLESS NOTED OTHERWISE
CONTR	CONTRACT(OR)	NOM	NOMINAL	VAC	VACUUM
CORR	CORRIDOR	NTS	NOT TO SCALE	VCT	VINYL COMPOSITION TILE
CPT	CARPET(ING)	OC	ON CENTER	VEST	VESTIBULE
CR	CRASH RAIL	OD	OUTSIDE DIAMETER	VET	VENETIAN BLIND
CT	CERAMIC TILE	OF	OFFICE	VIF	VINYL IN FIELD
CTB	CERAMIC TILE BASE	OFI	OWNER FURNISHED - OWNER INSTALLED	VNL	VENT THROUGH ROOF
CUH	CABINET UNIT HEATER	OH	OVERHEAD	VNY	VINYL WALL COVERING
CW	CASEWORK	OPNG	OPENING	VWC	VINYL WALL COVERING
DEMO	DEMOLISH / DEMOLITION	OPR	OPPOSITE	WAF	WOOD ATHLETIC FLOORING
DEPT	DEPARTMENT	ORD	OVERFLOW ROOF DRAIN	WC	WATER CLOSET
DIA	DIAMETER	PBD	PARTICLE BOARD	WCV	WALL COVERING
DIAG	DIAGONAL	PCC	PRECAST CONCRETE	WDB	WOOD
DIM	DIMENSION	PCF	POUNDS PER CUBIC FOOT	WDWTR	WINDOW TREATMENT
DN	DOWN	PCNC	POLISHED CONCRETE	WP	WORK POINT
DS	DOWNSPOUT	PERF	PERFORATE(D)	WPC	WOOD PANEL CEILING
EA	EACH	PL	PLATE	WT	WEIGHT
EAS	EXTERIOR INSULATION FINISH SYSTEM	PLP	PLASTIC PANEL		
EJ	EXPANSION JOINT	PLYWD	PLYWOOD		
ELEC	ELECTRICAL	PREFAB	PREFABRICATED		
ELEV	ELEVATOR	PREFIN	PREFINISHED		
EM	ENTRANCE MATS	PRF	POLY RESIN TILE		
EMB	ELECTRONIC MARKER BOARD	PSF	POUNDS PER SQUARE FOOT		
EMER	EMERGENCY	PSI	POUNDS PER SQUARE INCH		
EOS	EDGE OF SLAB	PLSHD	POLISHED		
EQ	EQUAL	PMT	PORCELAIN MOSAIC TILE		
EQUIP	EQUIPMENT	PNT	PAINTED		
ER	EPoxy RESIN	PT	PORCELAIN TILE		
EST	ESTIMATE(D)	PTB	PORCELAIN TILE BASE		
EXH	EXHAUST	QT	QUARRY TILE		
EXIST	EXISTING	QTB	QUARRY TILE BASE		
EXP	EXPANSION	QTY	QUANTITY		
EXPD	EXPOSED	R	RISER		
EXT	EXTERIOR	RAD	RADIUS		
EWC	ELECTRIC WATER COOLER	RAF	RESILIENT ATHLETIC FLOORING		
FD	FLOOR DRAIN	RB	RUBBER FLOORING		
FDTN	FOUNDATION	RRF	RUBBER TILE		
FE	FIRE EXTINGUISHER	RRRT	RUBBER TILE		
FEC	FIRE EXTINGUISHER CABINET	RCP	REFLECTED CEILING PLAN		
FG	FOOT GRILLE	RD	REFER TO / REFERENCE TO		
FH	FIRE HOSE CABINET	REF	REFER TO / REFERENCE TO		
FHC	FIRE HOSE CABINET	REFG	REFRIGERATOR		
FIN	FINISH(ED)	REINF	REINFORCED / REINFORCING		
FLR	FLOOR	REQD	REQUIRED		
FRT	FIRE RETARDANT TREATED	RES	RESILIENT		
FRT	FOOT/FEET	RESB	RESILIENT BASE		
FT	FOOTING	REV	REVISE / REVISION		
FTG	FURNISHED / FURNISHINGS	RF	RESINIOUS FLOORING		
FURN	FURNITURE	RFNG	ROOFING		
FWP	FABRIC WRAPPED PANEL	RH	RIGHT HAND		
GA	GAUGE / GAGE	RM	ROOM		
GALV	GALVANIZED	RO	ROUGH OPENING		
GFR	GLASS FIBER REINF CONCRETE	ROW	RIGHT OF WAY		
GFRG	GLASS FIBER REINF GYPSUM	RSN	RESILIENT STAIR NOSING		
GL	GLASS	RST	RESILIENT STAIR TREAD		
GLMT	GLASS MOSAIC TILE	RT	RESILIENT TILE		
GLMU	GLASS MASONRY UNIT	RTU	ROOF TOP UNIT		
GLT	GLASS TILE	RV	RIGID VINYL		
GST	GLASS STAIR TREAD				
GWB	GYPSUM WALL BOARD				
GYP	GYPSUM				
HDW	HARDWARE				
HM	HOLLOW METAL				
HORIZ	HORIZONTAL				
HOSP	HOSPITAL				
HP	HIGH POINT				
HPC	HIGH PERFORMANCE COATING				
HPOL	HIGH PRESSURE DECORATIVE LAMINATE				
HR	HANDRAIL				
HSS	HOLLOW STRUCTURAL SECTION				
HGT	HEIGHT				
HVAC	HEATING-VENTILATING-AIR CONDITIONING				
HWB	HEAT WELDING BEAD				

CONSTRUCTION DOCUMENTS - FINAL BID DOCUMENTS

<p><b>CONSULTANTS:</b></p> <p><b>Landmark Engineering Group, Inc.</b> Civil Engineer 2834 104th Street Urbandale, IA 50322 515.221.1322 SidePlate Steel Frame 25909 Pala, Ste 200, 92691 Mission Viejo, CA 949.305.7889</p>	<p><b>Gateway Geotechnical, LLC</b> Geotechnical Engineer 1738 Edison Avenue Chesterton, MO 63005 636.532.7747</p>	<p><b>SWT Design</b> Landscape Architect 7722 Big Bend Boulevard St. Louis, MO 63119 314.644.5700</p>	<p><b>Himman Consulting Engineers, Inc.</b> Physical Security One Bush Street, Suite 510 San Francisco, CA 94104 415.621.4423</p>	<p><b>The Schachinger Group</b> Elevator 4255 Stonery Creek Drive Fort Collins, CO 80525 970.698.2253</p>	<p>Drawing Title</p> <p><b>SYMBOLS &amp; ABBREVIATIONS</b></p>	<p>Project Title</p> <p><b>John J. Pershing VAMC Clinical &amp; Urgent Care Addition</b></p>	<p>Project Number</p> <p><b>657-351</b> CANNON DESIGN PROJECT NO. 0385.05</p>	<p>Office of Construction and Facilities Management</p>
					<p>Approved: Project Director</p>	<p>Location</p> <p><b>Poplar Bluff, Missouri</b></p>	<p>Drawing Number</p> <p><b>GI-003</b></p>	
<p>Revisions:</p>	<p>Date</p>	<p>Date</p> <p><b>DEC 14, 2015</b></p>	<p>Checked</p> <p>Checker</p>	<p>Drawn</p> <p>Author</p>	<p>Dwg. of</p>	<p>Department of Veterans Affairs</p>		

**GENERAL NOTES**

1. THE FLOOR PLAN BACKGROUND FOR NEW AND EXISTING CONSTRUCTION IS SHOWN IN GRAY HALF-TONE. DESIGNATIONS FOR FIRE RATED PARTITIONS, SMOKE PARTITIONS AND OTHER CODE COMPLIANCE RELATED INFORMATION ARE SHOWN FULL TONE. REFER TO CONTRACT DRAWINGS TO DETERMINE WHICH COMPONENTS ARE NEW AND WHICH ARE EXISTING.
2. THE FIRE AND SMOKE DESIGNATIONS FOR EXISTING CONSTRUCTION ARE SHOWN FOR REFERENCE ONLY AND ARE BASED ON INFORMATION PROVIDED BY OWNER. THIS INFORMATION HAS NOT BEEN INDEPENDENTLY VERIFIED BY CANNON DESIGN.
3. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS OF EXIT LIGHTS, EMERGENCY LIGHTS, AND FIRE ALARM SYSTEM.
4. REFER TO FIRE SUPPRESSION DRAWINGS FOR LOCATIONS OF FIRE SUPPRESSION ZONES.
5. AS SPECIFIED IN THE VA FIRE PROTECTION DESIGN MANUAL, THE VA HAS ADOPTED THE NATIONAL FIRE PROTECTION CODES (NFPA) PUBLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), WHICH ESTABLISH A MINIMUM ACCEPTABLE LEVEL OF LIFE SAFETY AND PROPERTY PROTECTION. LIFE SAFETY REQUIREMENTS ARE SPECIFICALLY ADDRESSED IN THE NFPA 101, LIFE SAFETY CODE. FIRE PROTECTION FEATURES NOT ADDRESSED BY THE NFPA SHALL BE DESIGNED TO COMPLY WITH THE REQUIREMENTS OF THE 2012 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC). UNLESS IBC REFERENCES ARE SPECIFICALLY ADDRESSED, ASSUME ALL CODE REQUIREMENTS BASED ON NFPA STANDARDS.
6. MAXIMUM TRAVEL DISTANCE TO REACH A FIRE EXTINGUISHER: 75 FEET IN ANY DIRECTION
7. UL SYSTEM DESIGN INFORMATION:
  - FLOOR ASSEMBLY: CURTAIN WALL - CW-S-2061 AND STUD WALL CW-S-1003
  - FLOOR SLAB: D016
  - SHIRT WALL: U415, 2HR, 1HR.
  - PARTITION: U411, 2 HR
  - PARTITION: U465, 1 HR
  - WALL INFILL: U405, 2HR
  - ROOF DECK: P819
  - COLUMN WIDE FLANGE - X722 AND TUBE - X752
8. TEMPORARY PARTITIONS BETWEEN THE CONSTRUCTION AREA AND THE EXISTING BUILDING SHALL BE 1 HOUR RATED SLAB TO SLAB BARRIERS

**APPLICABLE CODES, STANDARDS, AND ORDINANCES:**

VA FIRE PROTECTION DESIGN MANUAL - 6TH EDITION  
 NATIONAL FIRE CODES (LSC) (NFC) BY NATIONAL FIRE PROTECTION ASSOCIATION LATEST EDITIONS:  
 - NFPA 101 - LIFE SAFETY CODE (2012 EDITION)  
 - NFPA 220 - TYPES OF BUILDING CONSTRUCTION (2012 EDITION)  
 INTERNATIONAL BUILDING CODE (IBC) BY INTERNATIONAL CODE COUNCIL (2012 EDITION)  
 ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARD (ABAS) FOR FEDERAL FACILITIES  
 VA BARRIER FREE DESIGN GUIDE  
 MISSION CRITICAL PHYSICAL SECURITY DESIGN MANUAL FOR VA FACILITIES, JULY 2007

**BUILDING AREA:**

THE ALLOWABLE AREA PER FLOOR FOR THE SELECTED CONSTRUCTION TYPE IS GREATER THAN THE ACTUAL PER FLOOR AREA.  
 ALLOWABLE AREA 23,000 sf (IBC)  
 LOWER LEVEL TOTAL FLOOR AREA = 7,396 sf  
 GROUND LEVEL TOTAL FLOOR AREA = 300 sf  
 LEVEL 01 TOTAL FLOOR AREA = 6,700

**GENERAL INFORMATION:**

BUILDING IS FULLY SPRINKLERED  
 AUTOMATIC SPRINKLER SYSTEM: NFPA 13  
 FIRE ALARM SYSTEM: NFPA 72  
 STANDPIPE SYSTEM: NFPA 14

OCCUPANCY:  
 OCCUPANCY CLASSIFICATION:  
 AMBULATORY HEALTHCARE, 2012 NFPA 101

CONSTRUCTION CLASSIFICATION:  
 CONSTRUCTION TYPE: NFPA 101 TABLE 20.1.6.1 TYPE II (111)

SMOKE/FIRE COMPARTMENT SUMMARY  
 MAXIMUM AREA OF EACH SMOKE COMPARTMENT: 22,500sf (NFPA 20.3.7.3)  
 MINIMUM 2 COMPARTMENTS  
 LOWER LEVEL TOTAL FLOOR AREA = 7,396 sf  
 GROUND LEVEL TOTAL FLOOR AREA = 300 sf  
 LEVEL 01 TOTAL FLOOR AREA = 6,700

MAXIMUM TRAVEL DISTANCES:  
 AMBULATORY HEALTHCARE - TRAVEL DISTANCES  
 ALLOWABLE MAXIMUM DISTANCE FROM POINT IN ANY ROOM TO EXIT ACCESS DOOR = 200'  
 (NFPA 20.2.6.2.1)  
 ACTUAL MAXIMUM - REFER TO PLANS  
 COMMON PATH OF TRAVEL (CP)  
 ALLOWABLE MAXIMUM = 100' (38.2.5.3.1)  
 ACTUAL MAXIMUM - REFER TO PLANS  
 EXIT ACCESS TRAVEL DISTANCE  
 ALLOWABLE MAXIMUM = 300' (NFPA 38.2.6.3)  
 ACTUAL MAXIMUM - REFER TO PLANS  
 DEAD ENDS  
 "B" USE, FULLY SPRINKLED - (NFPA 38.2.5.1, IBC 1017.3, EXCEPT #2)  
 ALLOWABLE MAXIMUM = 50'

**BUILDING HEIGHT:**

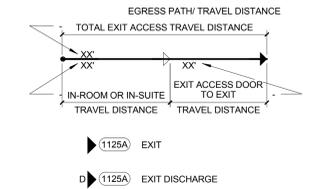
CODE & EDITION	MEASURE	PERMITTED FOR CONSTRUCTION TYPE IIB	SPRINKLER RATED STAIRS	HEIGHT ADJUSTED FOR BONUS	ACTUAL HEIGHT
IBC 2012	STORIES HEIGHT*	3	1	4	30'-0"

**FIRE RESISTANCE RATINGS**

ITEM	FIRE RATING
COLUMNS SUPPORTING MORE THAN 1 FLOOR SUPPORTING 1 FLOOR ONLY SUPPORTING ROOF ONLY	1 HRS 1 HRS 1 HRS
BEAMS, GIRDERS, TRUSSES AND ARCHES SUPPORTING MORE THAN 1 FLOOR SUPPORTING 1 FLOOR ONLY SUPPORTING ROOF ONLY	1 HRS 1 HRS 1 HRS
EXTERIOR BEARING WALLS SUPPORTING MORE THAN 1 FLOOR SUPPORTING 1 FLOOR ONLY SUPPORTING ROOF ONLY	1 HRS 1 HRS 1 HRS
INTERIOR BEARING WALLS SUPPORTING MORE THAN 1 FLOOR SUPPORTING 1 FLOOR ONLY SUPPORTING ROOF ONLY	1 HRS 1 HRS 1 HRS
EXTERIOR NON-BEARING WALLS SEPARATION >10'	0 HRS
INTERIOR BEARING WALLS	0 HRS
FLOOR - CEILING ASSEMBLIES	1 HRS
ROOF - CEILING ASSEMBLIES	1 HR
MISCELLANEOUS RATINGS:	
NFPA 101 (6.6.5, 7.1.3.2)	
SHAFT ENCLOSURES 4 OR MORE STORIES <4 STORIES	2 HRS 1 HR
CORRIDORS	0 HRS
VERTICAL EXIT ENCLOSURES 4 OR MORE STORIES <4 STORIES	2 HRS 1 HR
SMOKE BARRIERS (20.3.7.5)	1 HR
NFPA 5000 (7.3.2.1) - FIRE RESISTANCE RATING	
EXTERIOR WALLS	
HORIZONTAL SEPARATION 0 TO 5 - EXPOSURE FROM EXTERIOR AND INTERIOR	1 HR
5 TO 10 - EXPOSURE FROM INTERIOR SIDE ONLY	1 HR

**LEGEND**

- S-S-S- ABLE TO RESIST PASSAGE OF SMOKE
- ◆◆◆◆◆ 1 HOUR FIRE
- ◆◆◆◆◆◆ 1 HOUR FIRE / SMOKE BARRIER
- ◆◆◆◆◆◆◆ 2 HOUR FIRE
- ◆◆◆◆◆◆◆◆ 2 HOUR FIRE / SMOKE BARRIER
- [FEC] FIRE EXTINGUISHER CABINET
- [Symbol] FIRE DEPARTMENT CONNECTION



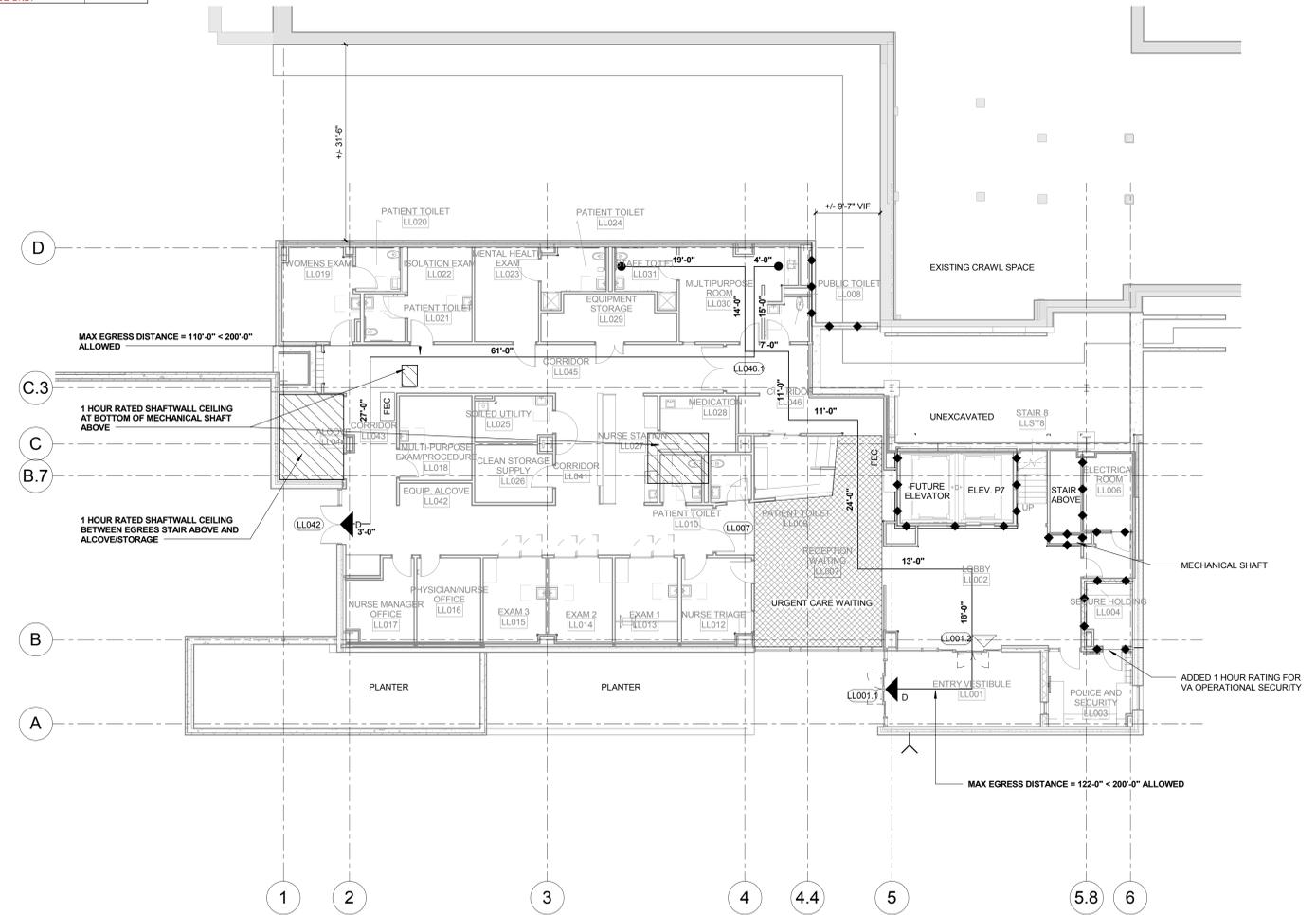
**EGRESS CAPACITY**

DOOR NO.	WIDTH	WIDTH/DOOR	OCC CAPACITY	OCC LOAD	COMPLIES
L202	3'-6"	0.2"	210	120	Yes
L234	3'-6"	0.2"	210	120	Yes
G360.3	3'-1 1/8"	0.2"	185	165	Yes
LL001.1	9'-0 (4'-0" CLR)	0.2"	240	80	Yes
LL001.2	10'-0 (4'-0" CLR)	0.2"	240	80	Yes
LL007	7'-0"	0.2"	420	80	Yes
LL042	6'-0"	0.2"	360	80	Yes
LL046.1	7'-0"	0.2"	240	80	Yes
ST04A	3'-4"	0.2"	200	168	Yes
ST09.1	3'-4"	0.2"	200	120	Yes
ST09.2	3'-6"	0.2"	210	120	Yes

DOORS

**OCCUPANT LOAD** (2012 NFPA 101, TABLE 7.3.1.2)

SPACE	AREA	TYPE	FUNCTION	SFOCC	FIXED OCC #	TOTAL OCCUPANTS
LOBBY, ENTRY, SECURITY	1,849 SF	B	Ambulatory Healthcare	100		19
URGENT CARE	5,441 SF	B	Ambulatory Healthcare	100		55
WAITING	545 SF	A-u	Assembly - unconcentrated	15		6
LOWER LEVEL	7,835 SF					80
ELEVATOR MACHINE ROOM	166 SF	B	Ambulatory Healthcare	100		2
EYE CLINIC WAITING	634 SF	A-u	Assembly - unconcentrated	15	0	43
STAIR 4A	89 SF	B	Ambulatory Healthcare	100		1
STAIR 9	43 SF	B	Ambulatory Healthcare	100		1
GROUND LEVEL	932 SF					47
DENTAL CLINIC	5,798 SF	B	Ambulatory Healthcare	100	0	58
DENTAL WAITING	301 SF	A-u	Assembly - unconcentrated	15		21
LOBBY/WAITING	540 SF	A-u	Assembly - unconcentrated	15		36
STAIR 8	139 SF	B	Ambulatory Healthcare	100		2
STAIR 9	215 SF	B	Ambulatory Healthcare	100		3
LEVEL 01	6,993 SF					120
Grand total	15,780 SF					247

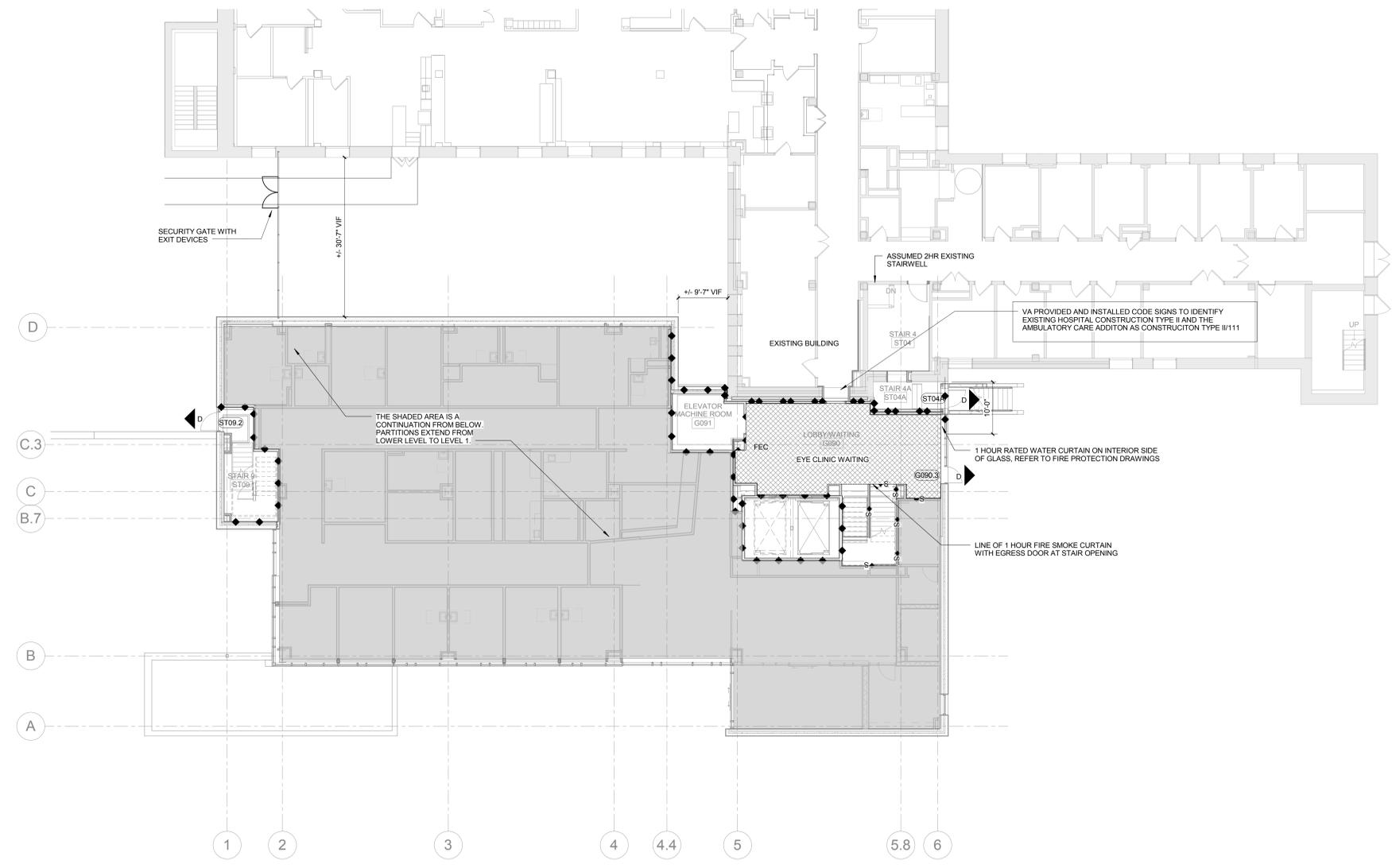


4F LOWER LEVEL FLOOR PLAN  
 3/32" = 1'-0" REF 5C / AS-201

**CONSTRUCTION DOCUMENTS - FINAL BID DOCUMENTS**

<b>CONSULTANTS:</b> Landmark Engineering Group, Inc. 2834 14th Street Urbandale, IA 50322 515.221.1322 SidePlate Steel Frame 25009 Pala, Ste 200, 92691 Mission Viejo, CA 949.305.7889		Gateway Geotechnical, LLC Geotechnical Engineer 17738 Edison Avenue Chesterfield, MO 63005 636.532.7747		SWT Design Landscape Architect 7722 Big Bend Boulevard St. Louis, MO 63119 314.644.5700		Himman Consulting Engineers, Inc. Physical Security One Bush Street, Suite 510 San Francisco, CA 94104 415.621.4423		The Schachinger Group Elevator 4255 Stony Creek Drive Fort Collins, CO 80525 970.608.2253	
<b>ARCHITECT/ENGINEERS:</b> CANNON DESIGN 4255 Stony Creek Drive Fort Collins, CO 80525 970.608.2253				Drawing Title <b>LOWER LEVEL CODE COMPLIANCE PLAN</b>		Project Title <b>John J. Pershing VAMC                  Clinical &amp; Urgent Care Addition</b>		Project Number <b>657-351</b> <small>CANNON DESIGN PROJECT NO. 0385.05</small> Building Number	
Approved: Project Director				Location <b>Poplar Bluff, Missouri</b>		Drawing Number <b>GC-101</b>		Office of Construction and Facilities Management Department of Veterans Affairs	
1 FINAL BID PACKAGE Revisions:		Date 12/14/15		Date DEC 14, 2015		Checked Checker		Drawn Author	

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



**4F GROUND LEVEL FLOOR PLAN**  
 3/32" = 1'-0" REF 5C / AS-201

CONSTRUCTION DOCUMENTS - FINAL BID DOCUMENTS

1	FINAL BID PACKAGE	12/14/15
Revisions:		Date

**CONSULTANTS:**

<b>Landmark Engineering Group, Inc.</b> Civil Engineer 2834 14th Street Urbandale, IA 50322 515.221.1322 <b>SidePlate</b> Steel Frame 25909 Pala, Ste 200, 92691 Mission Viejo, CA 949.305.7889	<b>Gateway Geotechnical, LLC</b> Geotechnical Engineer 17738 Edison Avenue Chesterfield, MO 63005 636.532.7747	<b>SWT Design</b> Landscape Architect 7722 Big Bend Boulevard St. Louis, MO 63119 314.644.5700	<b>Himman Consulting Engineers, Inc</b> Physical Security One Bush Street, Suite 510 San Francisco, CA 94104 415.621.4423	<b>The Schachinger Group</b> Elevator 4255 Stony Creek Drive Fort Collins, CO 80525 970.698.2253
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**ARCHITECT/ENGINEERS:**

**CANNONDESIGN**

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Drawing Title

**GROUND LEVEL CODE COMPLIANCE PLAN**

Approved: Project Director

Project Title		Project Number	
<b>John J. Pershing VAMC Clinical &amp; Urgent Care Addition</b>		<b>657-351</b>	
Location		Building Number	
<b>Poplar Bluff, Missouri</b>		<b>GC-102</b>	
Date	Checked	Drawn	Dwg. of
<b>DEC 14, 2015</b>	<b>Checker</b>	<b>Author</b>	

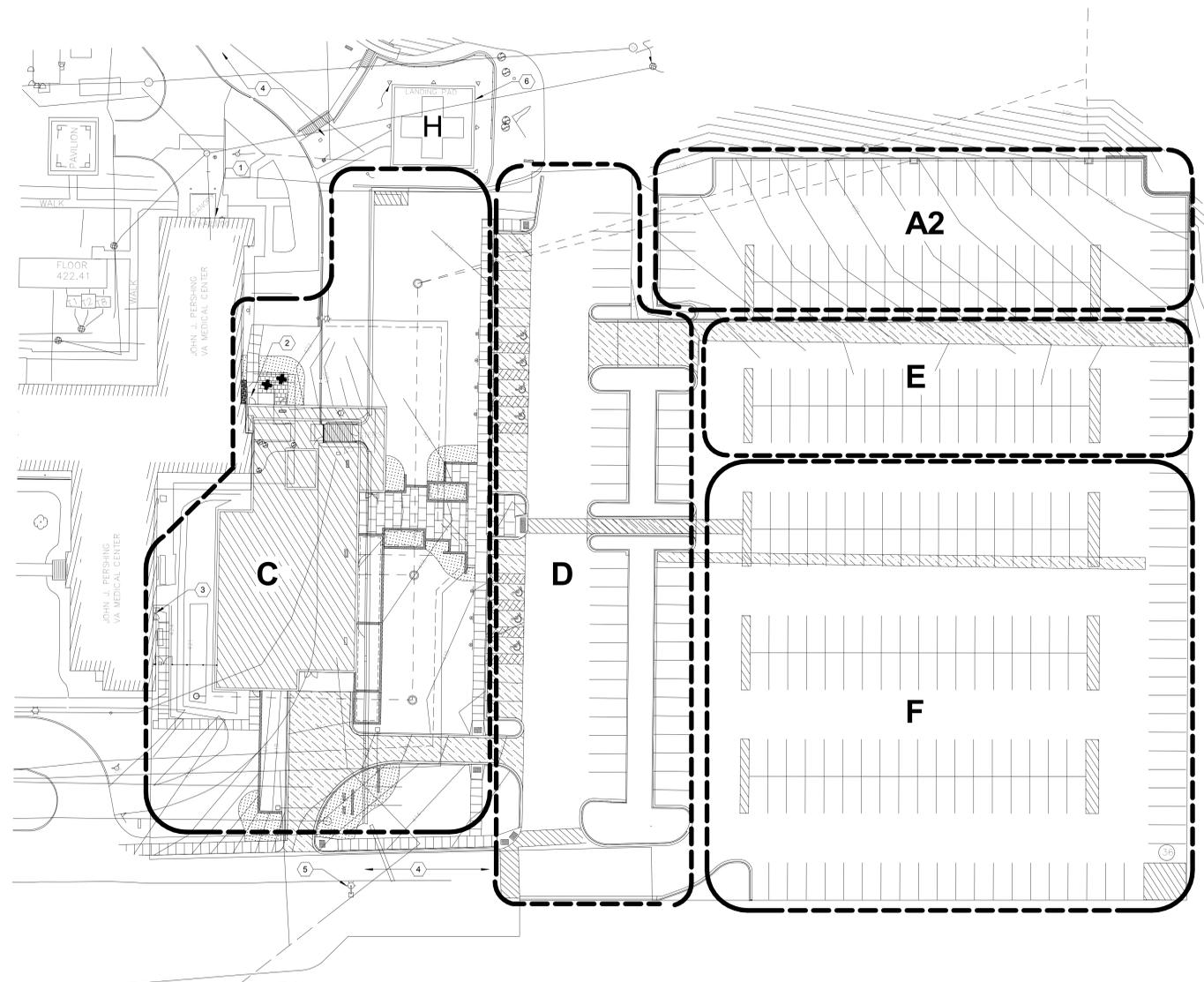
Office of Construction and Facilities Management

Department of Veterans Affairs

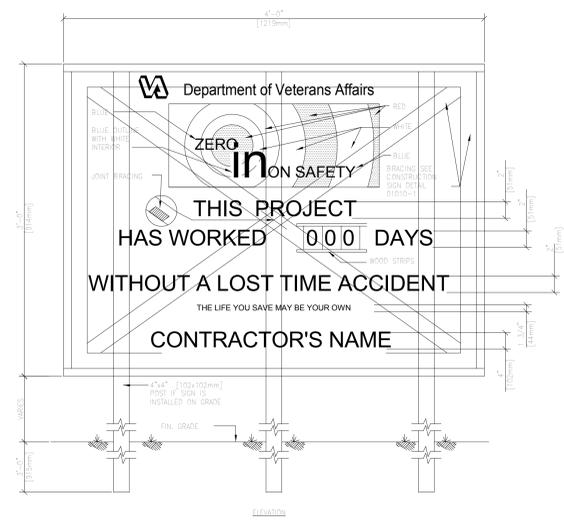




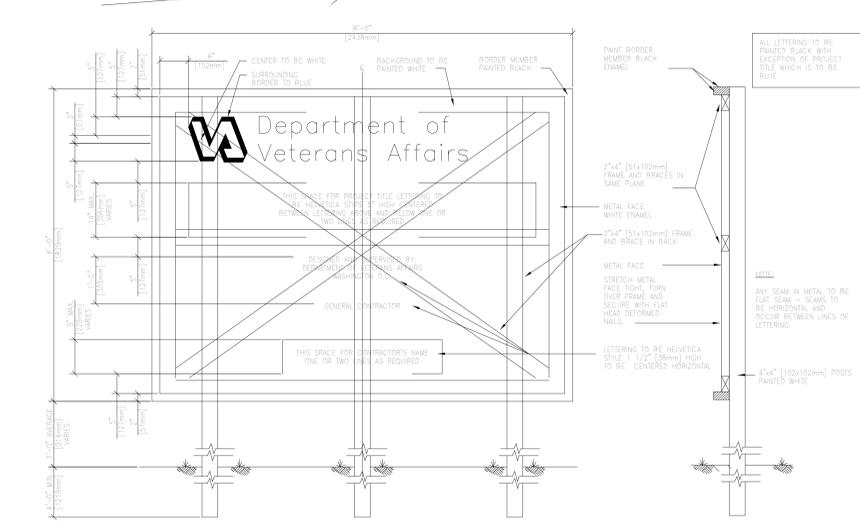
three inches = one foot  
 one and one half inches = one foot  
 one inch = one foot  
 three quarters inch = one foot  
 one half inch = one foot  
 three quarters inch = one foot  
 one half inch = one foot  
 one quarter inch = one foot  
 three eighths inch = one foot  
 one eighth inch = one foot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



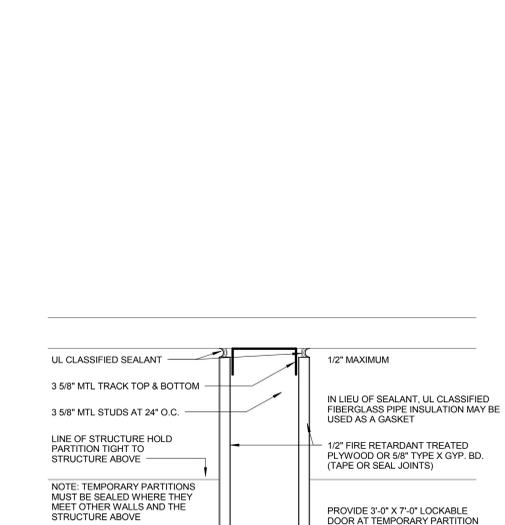
- ### NOTES
- THE PURPOSE OF THE CONSTRUCTION PHASING NOTES IS TO PROVIDE THE GENERAL CONTRACTOR GUIDANCE FOR THE CONSTRUCTION SCHEDULE. THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE CONTRACTING OFFICER REPRESENTATIVE AND THE RESIDENT ENGINEER TO DEVELOP A CPM SCHEDULE, SEQUENCING, COMPLETION DATES FOR NEW CONSTRUCTION, RENOVATION AND CONSTRUCTION ISSUES AFFECTING CONTINUAL OPERATIONS OF THE MEDICAL CENTER.
  - THE SITE PLAN ON THIS SHEET IDENTIFIES ZONES OF WORK FOR EACH PHASE DESCRIBED BELOW. THIS DIAGRAM IS PROVIDED FOR THE SOLE PURPOSE OF ILLUSTRATING A SINGLE WAY TO CONSIDER PHASING THE PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROPOSE A PHASING PLAN TO MEET THE REQUIREMENTS OF THE CONSTRUCTION CONTRACT. REFER TO THE REMAINDER OF THE CONSTRUCTION DOCUMENTS FOR THE SCOPE OF WORK IN THESE AREAS.
  - PHASE A1: TEMPORARY CONSTRUCTION AREAS INSTALL CHAINLINK CONSTRUCTION FENCING TO ENCLOSE ENTIRE CONSTRUCTION SITE. INCLUDE FENCING TO SUBDIVIDE REQUIRED HOSPITAL ACCESS POINTS.
    - SET UP JOB TRAILERS AND RESIDENT ENGINEER FACILITIES.
    - PROVIDE LAY DOWN AND PARKING AREAS FOR CONSTRUCTION.
    - PROVIDE TEMPORARY UTILITIES TO CONSTRUCTION SITE AS REQUIRED.
  - PHASE A2: BID ALTERNATE 2 IF ACCEPTED WILL TAKE PLACE FIRST
  - PHASE B: SITE DEMOLITION, GRADING AND RELOCATION OF UTILITIES
  - PHASE C: SITE FENCING, BUILDING ADDITION, PLAZA AREAS AND TIE-IN TO EXISTING HOSPITAL
  - PHASE D: INTERIOR RENOVATIONS FOR EYE CLINIC
  - PHASE E: FIRST PHASE OF PARKING AND DRIVEWAY RENOVATIONS
  - PHASE F: PARKING EXPANSION AREA
  - PHASE G: SECOND PHASE OF PARKING RENOVATIONS
  - CONTRACTOR SHALL SEEK FINAL APPROVAL OF THE LOCATION OF CONSTRUCTION FENCING, TEMPORARY CONSTRUCTION BARRIERS, CONTRACTOR SITE ACCESS AND DEBRIS AND MATERIAL HAUL ROUTES WITH THE CONTRACTING OFFICER REPRESENTATIVE AND THE RESIDENT ENGINEER.
  - DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN ALL EXISTING ACCESS POINTS IDENTIFIED ON THE DRAWINGS. PROVIDE TEMPORARY PROVISIONS REQUIRED TO REROUTE THROUGH THE CONSTRUCTION SITE AS REQUIRED TO PROVIDE SAFE, SEPARATE CONTINUATION TO EXIT TO AREAS OUTSIDE THE CONSTRUCTION ACTIVITIES. PROVIDE REQUIRED CHAINLINK FENCING, GATES, ENCLOSURES, SIDEWALKS, ETC. TO PROTECT THESE AREAS.
  - MAINTAIN ALL FIRE BARRIERS AND DUST PARTITIONS AS REQUIRED TO PROVIDE A DUST-FREE AND CLEAN ENVIRONMENT BETWEEN RENOVATED AREAS WITHIN THE HOSPITAL AND AREAS ADJACENT TO RENOVATED AND NEW CONSTRUCTION.
  - COORDINATE ANY UTILITY SHUT DOWNS OR ANY CONSTRUCTION ACTIVITIES WHICH MAY POTENTIALLY AFFECT THE EXISTING OPERATIONS OF THE MEDICAL CENTER WITH THE CONTRACTING OFFICER REPRESENTATIVE AND RESIDENT ENGINEER. MAINTAIN UNINTERRUPTED OPERATION OF THE EXISTING FACILITIES, AND MINIMIZE DISRUPTION TO THE MEDICAL CENTER FOR ALL SWITCHOVER OF UTILITIES. SCHEDULE THESE EVENTS AFTER HOURS OR AS APPROVED BY THE CONTRACTING OFFICER REPRESENTATIVE AND THE RESIDENT ENGINEER.
  - MAINTAIN ACCESS TO ALL EXISTING BUILDINGS, UTILITIES AND FACILITIES WITHIN THE CONSTRUCTION LIMITS TO ACCESS EQUIPMENT AND TO PROVIDE SERVICE OR MAINTENANCE OF EXISTING FACILITIES AND EQUIPMENT SERVING THE MEDICAL CENTER.
  - ISOLATE HVAC SYSTEM IN AREA WHERE WORK IS BEING DONE TO PREVENT CONTAMINATION OF DUCT SYSTEM.
  - COMPLETE ALL CRITICAL BARRIERS BEFORE CONSTRUCTION WORK BEGINS.
  - MAINTAIN NEGATIVE PRESSURE WITHIN WORK SITE USING HEPA EQUIPPED AIR FILTRATION UNITS.
  - SEAL HOLES, PIPES, CONDUITS AND PUNCTURES APPROPRIATELY.
  - ALL PERSONNEL ENTERING WORK SITE ARE REQUIRED TO WEAR SHOE COVERS. SHOE COVERS MUST BE CHANGED EACH TIME THE WORKER EXITS THE WORK AREA.
  - PROVIDE ADHESIVE WALK-OFF MATS AT ENTRANCE TO WORK AREA.
  - IF THERE IS AN ANTEROOM, A MAT SHOULD BE WITHIN THIS AREA. REPLACE MATS DAILY OR WHEN THEY NO LONGER ARE ABLE TO CONTAIN DUST AND DIRT.
  - WET MOP AND/OR VACUUM WORK AREA WITH HEPA FILTERED VACUUM BEFORE LEAVING WORK AREAS.
  - CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINERS.
  - DO NOT REMOVE BARRIERS FROM WORK AREA UNTIL COMPLETED PROJECT IS THOROUGHLY CLEANED BY THE ENVIRONMENTAL SERVICES.
  - REMOVE BARRIER MATERIALS CAREFULLY TO MINIMIZE THE SPREADING OF DIRT AND DEBRIS ASSOCIATED WITH CONSTRUCTION.
  - REMOVE HVAC ISOLATION FROM SYSTEM IN AREAS WHERE WORK IS BEING DONE.
  - THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE CONTRACTING OFFICER REPRESENTATIVE AND THE RESIDENT ENGINEER TO LOCATE THE SAFETY SIGN AND CONSTRUCTION SIGN.
  - THE GENERAL CONTRACTOR SHALL PROVIDE ISOLATION BARRIERS PER DETAIL 6F.



1F SAFETY SIGN  
3/8" = 1'-0"



3F CONSTRUCTION SIGN  
3/8" = 1'-0"



6F VA STANDARD ISOLATION BARRIER

- ### KEYED NOTES
- MAINTAIN ACCESS AT ALL TIMES DURING CONSTRUCTION TO EXISTING HOSPITAL ENTRANCE AT THIS LOCATION.
  - MAINTAIN EGRESS AT ALL TIMES DURING CONSTRUCTION FROM EXISTING HOSPITAL STAIR.
  - MAINTAIN ACCESS AT ALL TIMES DURING CONSTRUCTION TO PHARMACY ENTRANCE AT THIS LOCATION.
  - MAINTAIN ROADWAY ACCESS TO PARKING AT ALL TIMES DURING CONSTRUCTION.
  - MAINTAIN ACCESS TO WALKING TRAIL AT ALL TIMES DURING CONSTRUCTION.
  - MAINTAIN AT-GRADE AND FLIGHT PATH ACCESS TO HELIPAD AT ALL TIMES DURING CONSTRUCTION.

CONSTRUCTION DOCUMENTS - FINAL BID DOCUMENTS

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1 FINAL BID PACKAGE Revisions:		12/14/15 Date																	