

three inches = one foot

one and one half inches = one foot

one inch = one foot

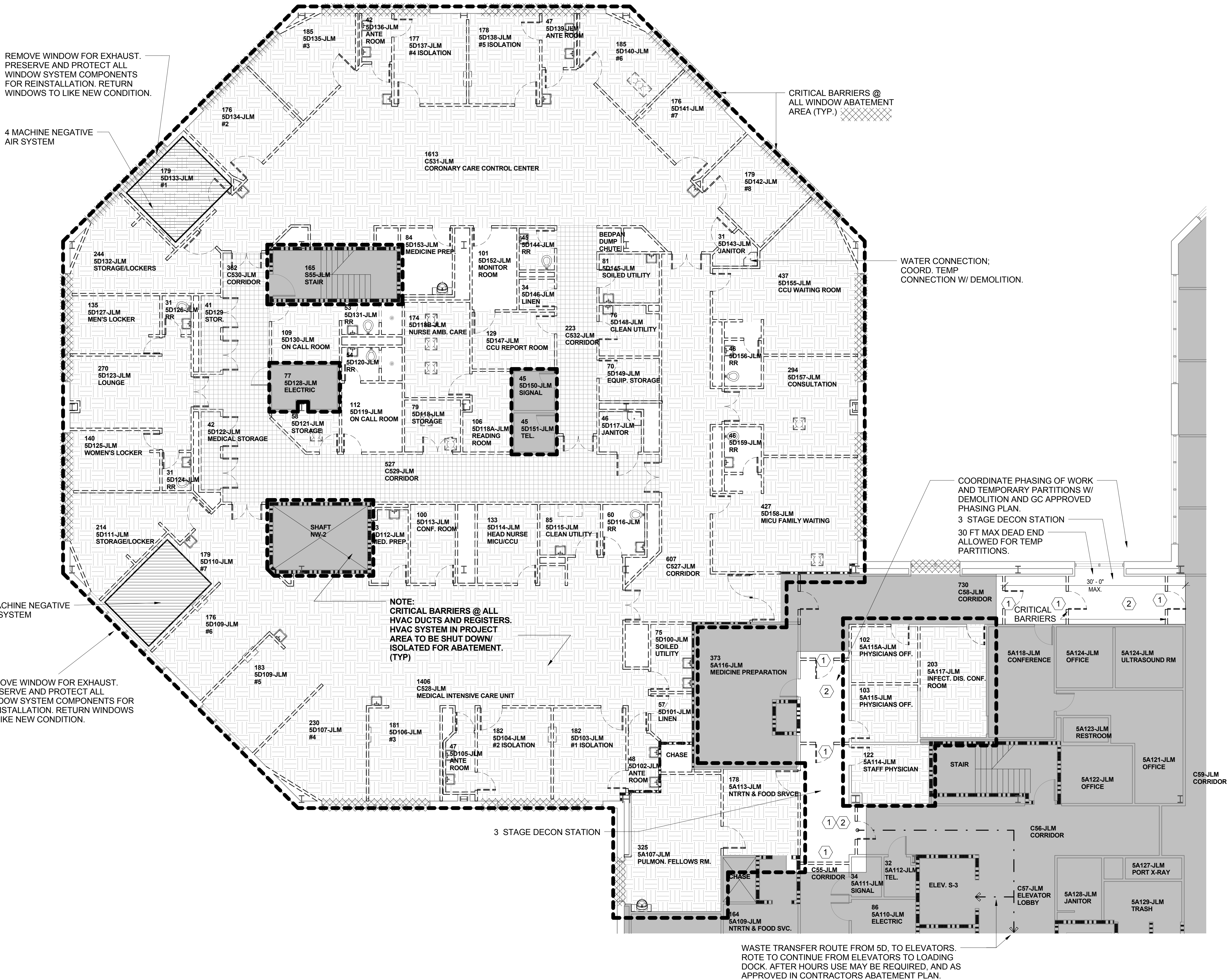
three quarters inch = one foot

one half inch = one foot

three eighths inch = one foot

one quarter inch = one foot

one eighth inch = one foot



GENERAL ASBESTOS ABATEMENT

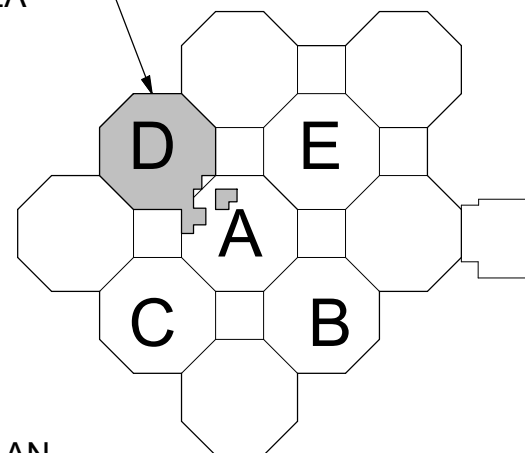
1. THIS DRAWING INDICATES AREAS OF ASBESTOS ABATEMENT. OTHER ABATEMENT REQUIRED INCLUDING MODIFICATIONS THAT MAY EXTEND BEYOND THE AREAS SHOWN SHALL INCLUDE ANY NECESSARY DEMOLITION OF SPACES ADJACENT TO, ABOVE AND/ OR BELOW REQUIRED FOR THE INSTALLATION OF WORK IN THIS PROJECT.
2. DRAWINGS ARE DIAGRAMATIC AND SINCE EXISTING CONDITIONS, INCLUDING AREA ABOVE ACCESSIBLE CEILING MAY AFFECT ABATEMENT WORK, THE CONTRACTOR SHALL COORDINATE ALL ABATEMENT WORK WITH DEMOLITION CONTRACTOR.
3. CONTRACTOR SHALL DELIVER TO CONSTRUCTION MANAGER COPIES OF ALL ENVIRONMENTAL PERMITS AND ALL WASTE MANIFESTS. WASTE MAY NOT BE STORED AND MUST BE DISPOSED OF IMMEDIATELY FOLLOWING ABATEMENT.
4. THE ASBESTOS ABATEMENT CONTRACTOR SHALL DECONTAMINATE ALL BUILDING MATERIALS, WHICH BECOME CONTAMINATED OR ARE DISTURBED FROM ASBESTOS REMOVAL.
5. ASBESTOS ABATEMENT CONTRACTOR IS TO ADHERE TO THE OSHA STANDARD 29CFR 1926.62 LEAD EXPOSURE IN CONSTRUCTION WHEN PERFORMING SELECTIVE DEMOLITION WORK PRACTICE, IMPACTING, OR DISTURBING ANY BUILDING MATERIALS. THE HAZARDOUS MATERIAL ABATEMENT CONTRACTOR MUST CONDUCT DAILY EXPOSURE MONITORING FOR LEAD-IN-THE-AIR AND COMPLY WITH ALL APPLICABLE REGULATIONS.
6. ASBESTOS ABATEMENT CONTRACTOR SHALL COORDINATE ON SITE WORK WITH THE VMAC, AE, ENVIRONMENTAL ENGINEER, CONSTRUCTION MANAGER, AND GENERAL AND SUB-CONTRACTORS TO FACILITATE THE PROMPT COMPLETION OF ALL ASPECTS OF THE DEMOLITION RENOVATION PROJECTS.
7. SPECIAL CARE SHOULD BE TAKEN WHEN WORKING NEAR ELECTRIC, WATER, STEAM AND GAS SUPPLY LINES.
8. ASBESTOS ABATEMENT CONTRACTOR MAY BE RESPONSIBLE FOR REMOVING NON-ASBESTOS MATERIALS TO ACCESS ASBESTOS CONTAINING AND OTHER HAZARDOUS MATERIALS INCLUDING BUT NOT LIMITED TO, DROP CEILINGS, DRYWALL ENCLOSURES, ECT. COORDINATE SELECTIVE DEMOLITION WITH THE DEMOLITION CONTRACTOR.
9. ASBESTOS ABATEMENT CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF OSHA REGARDING CONFINED SPACE INCLUDING ASSOCIATED PROGRAMS, PERMITS, TRAINING AND TESTING.
10. ALL ITEMS SHOWN DASHED INDICATE ITEMS TO BE DEMOLISHED OR SALVAGED. SEE SPECIFIC NOTES BELOW FOR ADDITIONAL INFORMATION. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.
11. DEPICTION OF EXISTING CONDITIONS BASED ON OWNER-FURNISHED DOCUMENTS AND LIMITED FIELD OBSERVATIONS. EXISTING ELEMENTS AND CONDITIONS CONCEALED BY IN-PLACE EQUIPMENT AND FINISHES WERE NOT OBSERVED OR INVESTIGATED. ONCE CUTTING AND SELECTIVE DEMOLITION WORK IS COMPLETE, REPORT ANY CONFLICTS TO DESIGNER. THE CONTRACTOR SHALL MAKE ADJUSTMENTS AND/OR ALTERATIONS AS NECESSARY TO INSTALL COMPLETE AND OPERABLE SYSTEMS IN ACCORDANCE WITH THE CODES HAVING JURISDICTION AT NO ADDITIONAL COST TO THE GOVERNMENT.
12. CONTRACTOR TO DEVELOP AND PUBLISH INFECTION CONTROL PLAN AND SAFETY PLAN FOR APPROVAL BY COR PRIOR TO BEGINNING THEIR WORK. PLAN TO INCLUDE MEANS AND METHODS OF DEBRIS STAGING AND REMOVAL, BOTH INTERNALLY AND EXTERNALLY.
13. PROTECT AND MAINTAIN EXISTING FIRE PARTITIONS AND BARRIERS; PENETRATION AND JOINT FIRE STOPPING AND APPLIED FIREPROOFING. RESTORE TO EXISTING RATING WHERE DAMAGED OR REMOVED AS PART OF WORK.
14. COORDINATE ALL WORK AS SPECIFIED IN 02 82 11 & 02 82 13.19.

ABATEMENT PLAN KEY NOTES

- 1 TEMPORARY PARTITION
- 2 TEMPORARY SIGNAGE REQUIRED FOR EXITING

HATCHED AREAS DENOTE KNOWN AREAS OF ACM WITHIN THE PROJECT BOUNDARY. SEE ASBESTOS REPORT FOR COMPREHENSIVE ASBESTOS SURVEY.

- ACM - FLOOR TILE
- ACM - MASTIC
- AREA NOT IN CONTRACT
- CRITICAL BARRIERS @ WINDOW ABATEMENT AREAS
- MACHINE NEGATIVE AIR SYSTEM
- CONTRACT LIMITS



0 4' 8' 16'
SCALE: 1/8" = 1'-0"

KEY PLAN

5D F.F.E.: 464'-1 3/4"
PROJECT AREA: 14,700 S.F.

CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED

Project Number
598-13-109
Building Number
JLM
Drawing Number
HA101

Dwg. 8 of 89

CENTRAL ARKANSAS
VETERANS AFFAIRS
HEALTHCARE
SYSTEM



CONSULTANTS:

ARCHITECT/ENGINEERS:



BES DESIGN/BUILD, LLC
766 Middle St. Fairhope, AL 36532
Phone: 251.990.5778
Fax: 251.990.3716

Drawing Title
ASBESTOS ABATEMENT PLAN

Approved: Project Director

Approver

Project Title
**IMPROVE 5D DIALYSIS
FUNCTIONAL DEFICIENCIES**

Location
**4300 WEST 7TH STREET
LITTLE ROCK, AR 72205**

Date
2014.10.31

Drawn
NB

Checked
ROW

A
three inches = one foot

B
one and one half inches = one foot

C
one inch = one foot

D
three quarters inch = one foot

E
one half inch = one foot

F
three eighths inch = one foot

G
one quarter inch = one foot

H
one eighth inch = one foot

STRUCTURAL DESIGN CRITERIA

BUILDING CODE
PG-18-10
2012 INTERNATIONAL BUILDING CODE

GRAVITY LOADS
1. FLOOR LIVE LOADS:
A. UNIFORMLY DISTRIBUTED FLOOR LIVE LOADS:
ORIGINAL DESIGN LOADING..... 60 PSF
CONCENTRATED FLOOR LIVE LOADS:
WATER TREATMENT EQUIPMENT..... AS SHOWN ON PLAN
PATIENT LIFTING..... 400 LBS

SNOW LOADS
REFERENCE ORIGINAL CONSTRUCTION DOCUMENTS

WIND LOADS (ASCE 7-10)
LATERAL FORCE-RESISTING SYSTEM UNMODIFIED
REFERENCE ORIGINAL CONSTRUCTION DOCUMENTS

SEISMIC CRITERIA (IBC 2012/ASCE 7-10)
RISK CATEGORY = IV
SEISMIC DESIGN CATEGORY = D
SITE CLASS = D
SEISMIC LEVEL = MODERATE-HIGH
S_s = 0.494 g
S₁ = 0.160 g
SDS = 0.463 g
SD1 = 0.231 g
SEISMIC FORCE RESISTING SYSTEM:
LATERAL FORCE-RESISTING SYSTEM UNMODIFIED
REFERENCE ORIGINAL CONSTRUCTION DOCUMENTS

STRUCTURAL ABBREVIATIONS

(#)	QUANTITY
AB	ANCHOR BOLT
ABV.	ABOVE
ADDL.	ADDITIONAL
AFF	ABOVE FINISHED FLOOR
ARCH.	ARCHITECTURAL
BP	BASE PLATE
BKG.	BEARING
CJ	CONTROL JOINT
CLR.	CLEAR
CONC.	CONCRETE
COL	COLUMN
DIA. or Ø	DIAMETER
DIAG.	DIAGONAL
DL	DEAD LOAD
E.F.	EACH FACE
ELEV.	ELEVATION
EQ	EQUAL
E.S.	EACH SIDE
E.W.	EACH WAY
F.FE	FINISHED FLOOR ELEVATION
FT. or '	FEET
FTG.	FOOTING
GALV.	GALVANIZED
GA	GAUGE
HI	HIGH
HORIZ.	HORIZONTAL
HSS	HOLLOW STRUCTURAL SECTION
IN. or "	INCH
JBE	JOIST BEARING ELEVATION
JST.	JOIST
K	KIPS
KSI	KIPS PER SQUARE INCH
L	ANGLE
LO	LOW
LBS.	POUNDS
LG.	LONG
LL	LIVE LOAD
MAX	MAXIMUM
MIN.	MINIMUM
M.O.	MASONRY OPENING
O.C.	ON CENTER
PC.	PIECE
PL	PLATE
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
P.T.	PRESSURE TREATED
RBE	RAFTER BEARING ELEVATION
REINF.	REINFORCEMENT
SJ	SAW JOINT
SPF	SPRUCE/PINE/FIR
SYP	SOUTHERN YELLOW PINE
T&B	TOP & BOTTOM
TBR	TO BE REMOVED
TOS	TOP OF STEEL
TOF	TOP OF FOOTING
TOJ	TOP OF JOIST
U.N.O.	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
W.P.	WORK POINT
WF	WIDE FLANGE
WL	WIND LOAD
WWF	WELDED WIRE FABRIC
w	WITH

GENERAL STRUCTURAL NOTES

- GENERAL REQUIREMENTS**
- WHERE A SECTION OR DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY TO ALL SIMILAR CONDITIONS.
 - THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
 - DO NOT SCALE DRAWINGS. FOLLOW DIMENSIONS SHOWN ON PLANS.
 - CONTRACTOR SHALL COORDINATE AND VERIFY ALL DIMENSIONS AND ELEVATIONS SHOWN HEREIN WITH ARCHITECTURAL PLANS, SECTIONS, AND DETAILS PRIOR TO CONSTRUCTION OR MATERIAL PURCHASE AND SHALL NOTIFY ARCHITECT IN WRITING OF DISCREPANCIES. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS AND ELEVATIONS NOT SHOWN HEREIN. DIMENSIONS INDICATED RELATIVE TO EXISTING STRUCTURE ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION OR MATERIALS PURCHASE. CONTRACTOR SHALL NOTIFY ARCHITECT IN WRITING OF DISCREPANCIES.
- STRUCTURAL SPECIAL INSPECTIONS**
- SPECIAL STRUCTURAL TESTS AND INSPECTIONS SHALL BE PERFORMED ON THIS PROJECT IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 17 OF THE 2012 INTERNATIONAL BUILDING CODE (IBC). THE FOLLOWING DOCUMENTS HAVE BEEN PREPARED FOR THIS PROJECT AS A PART OF THESE CONSTRUCTION DOCUMENTS:
 - STATEMENT OF SPECIAL INSPECTIONS
 - SCHEDULE OF SPECIAL INSPECTIONS
 - STATEMENT OF SPECIAL INSPECTIONS REQUIREMENTS FOR WIND RESISTANCE
 - STATEMENT OF SPECIAL INSPECTIONS REQUIREMENTS FOR SEISMIC RESISTANCE
 - SPECIAL STRUCTURAL TESTS AND INSPECTIONS SHALL BE PERFORMED BY AN AGENCY SELECTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER OF RECORD. THE AGENCY SHALL MEET ALL OF THE REQUIREMENTS FOR APPROVAL INDICATED IN 2012 IBC SECTION 1703.1. SPECIAL INSPECTORS SHALL BE QUALIFIED PERSONS WHO SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE BUILDING OFFICIAL FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THE CONTRACTOR SHALL COORDINATE THE INSPECTION SERVICES IN ACCORDANCE WITH THE PROGRESS OF THE WORK. THE CONTRACTOR SHALL PROVIDE SUFFICIENT NOTICE TO THE INSPECTOR TO ALLOW PROPER SCHEDULING OF PERSONNEL.
 - ALL REPORTS AND SHOP CERTIFICATION OF SPECIAL INSPECTIONS TO BE PERFORMED ON THE PREMISES OF A FABRICATOR'S SHOP SHALL BE SUBMITTED TO THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISTRIBUTING THESE REPORTS TO THE SPECIAL INSPECTOR, THE ARCHITECT, AND THE ENGINEER OF RECORD IN A TIMELY MANNER. THE COSTS OF THE SPECIAL INSPECTOR'S SERVICES SHALL BE PAID FOR BY THE OWNER.
 - SPECIAL INSPECTIONS REPORTS AND A FINAL REPORT IN ACCORDANCE WITH 2012 IBC SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF THE WORK IS APPROVED FOR OCCUPANCY.
 - REPORTS SHALL INDICATE THAT THE WORK WAS PERFORMED AND CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. WORK NOT IN CONFORMANCE SHALL BE IDENTIFIED IN THE REPORT AND SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR.
 - A FINAL REPORT OF INSPECTIONS DOCUMENTING REQUIRED SPECIAL INSPECTIONS, INCLUDING ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL, THE ARCHITECT, AND THE ENGINEER OF RECORD PRIOR TO COMPLETION OF THE STRUCTURAL SYSTEMS BUT AT A FREQUENCY NOT TO EXCEED 60 DAYS.

CAST-IN-PLACE REINFORCED CONCRETE

- THE FOLLOWING ACI STANDARDS (LATEST EDITION) APPLY:
 - ACI 318 - CODE
 - ACI 315 - DETAILING
 - ACI 301 - SPECIFICATIONS
 - ACI 304 - PLACING
 - ACI 347 - FORMWORK
 - ACI 211.1 - MIX PROPORTIONING
 - ACI 305 - HOT WEATHER CONCRETING
 - ACI 306 - WINTER CONCRETING
- ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE (145 PCF) WITH MIXES MEETING THE FOLLOWING CRITERIA:

28 DAY COMPRESSIVE STRENGTH	COARSE AGGREGATE SIZE #67	MAX W/C RATIO 0.65	MAX SLUMP 4"
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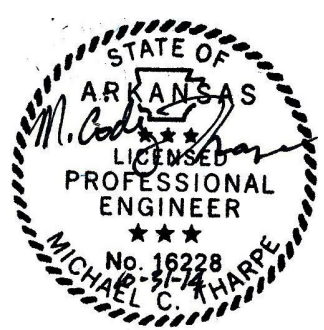

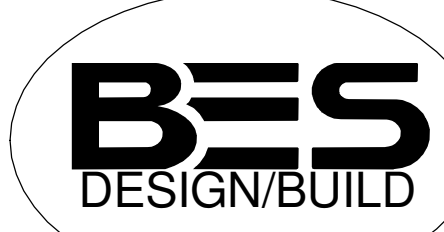
REINFORCING STEEL

- ALL REINFORCING STEEL SHALL BE ASTM A 615, GRADE 60, UNLESS NOTED OTHERWISE.
- NO REINFORCING SHALL BE CUT IN FIELD.

POST-INSTALLED REBAR, ANCHORS AND FASTENERS

- THE BELOW PRODUCTS ARE THE DESIGN BASIS FOR THIS PROJECT.
- PRODUCT DIAMETER AND EMBEDMENT SHALL BE AS SHOWN IN THE DETAILS.
- INSTALL PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPI).
- CONTRACTOR SHALL CONTACT MANUFACTURER'S REPRESENTATIVE FOR PRODUCT INSTALLATION TRAINING AND A LETTER SHALL BE SUBMITTED TO THE ENGINEER OF RECORD INDICATING THAT TRAINING HAS TAKEN PLACE.
- REFER TO THE PROJECT BUILDING CODE AND/OR EVALUATION REPORT FOR SPECIAL INSPECTIONS AND PROOF LOAD REQUIREMENTS.
- SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE LISTED BELOW MAY BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER OF RECORD FOR REVIEW. SUBSTITUTIONS WILL ONLY BE CONSIDERED FOR PRODUCTS HAVING A RESEARCH REPORT RECOGNIZING THE PRODUCT FOR THE APPROPRIATE APPLICATION UNDER THE PROJECT BUILDING CODE. SUBSTITUTION REQUESTS SHALL INCLUDE CALCULATIONS THAT DEMONSTRATE THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE EQUIVALENT PERFORMANCE VALUES OF THE DESIGN BASIS PRODUCT. FOR ANCHORING INTO CONCRETE.
 - ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 308.4 AND ICC-ES AC308 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS.
 - DESIGN BOND STRENGTH HAS BEEN BASED ON CRACKED CONCRETE, ACI 308.4 TEMPERATURE CATEGORY B, AND INSTALLATIONS INTO DRY HOLES DRILLED USING A HAMMER DRILL INTO CONCRETE THAT HAS CURED FOR AT LEAST 21 DAYS.
 - ADHESIVE ANCHORS SHALL BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER PER ACI 318-11 D.9.2.2 WHERE INDICATED ON THE CONTRACT DOCUMENTS.
 - INSTALLATIONS REQUIRING CERTIFIED INSTALLERS SHALL BE INSPECTED PER ACI 318-11 D.9.2.4.
- PRE-APPROVED PRODUCTS INCLUDE:
SIMPSON STRONG-TIE AT-XP (APMO-UES ER-263)

CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED

Revisions: _____ Date: _____		CONSULTANTS:				ARCHITECT/ENGINEERS:		Drawing Title STRUCTURAL NOTES		Project Title IMPROVE 5D DIALYSIS FUNCTIONAL DEFICIENCIES		Project Number 598-13-109		CENTRAL ARKANSAS VETERANS AFFAIRS HEALTHCARE SYSTEM 			
						BES DESIGN/BUILD, LLC 766 Middle St, Fairhope, AL 36532 Phone: 251.990.5778 Fax: 251.990.3716		Approved: Project Director		Location 4300 WEST 7TH STREET LITTLE ROCK, AR 72206		Building Number JLM					
								MCT		Date 2014.10.31		Drawn BTH				Checked BKS	
												Drawing Number SI001				Dwg. 9 of 89	

A

three inches = one foot

1

one and one half inches = one foot

2

one inch = one foot

3

three quarters inch = one foot

4

one half inch = one foot

5

three eighths inch = one foot

6

one quarter inch = one foot

7

one eighth inch = one foot

8

15

one eighth inch = one foot

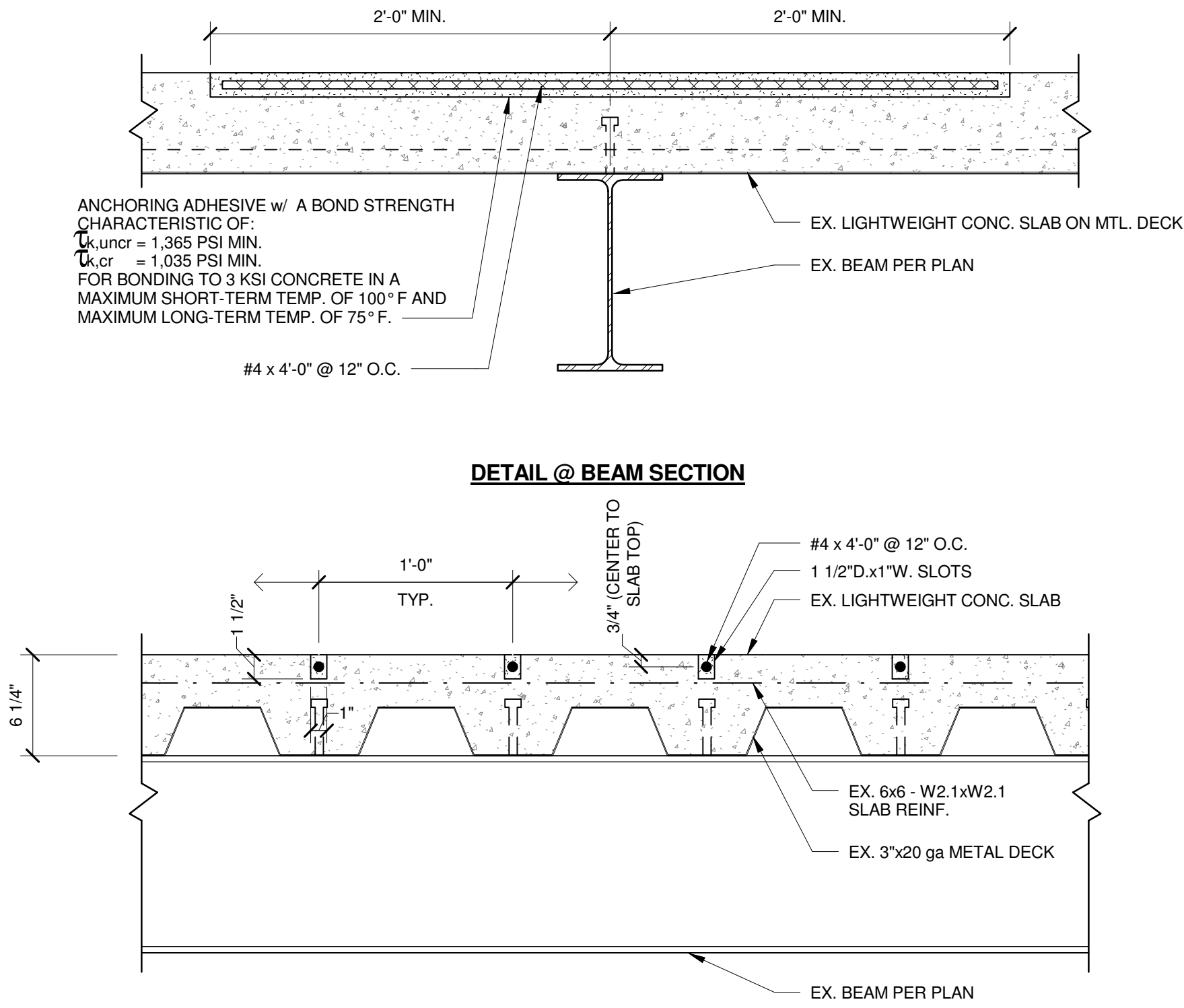
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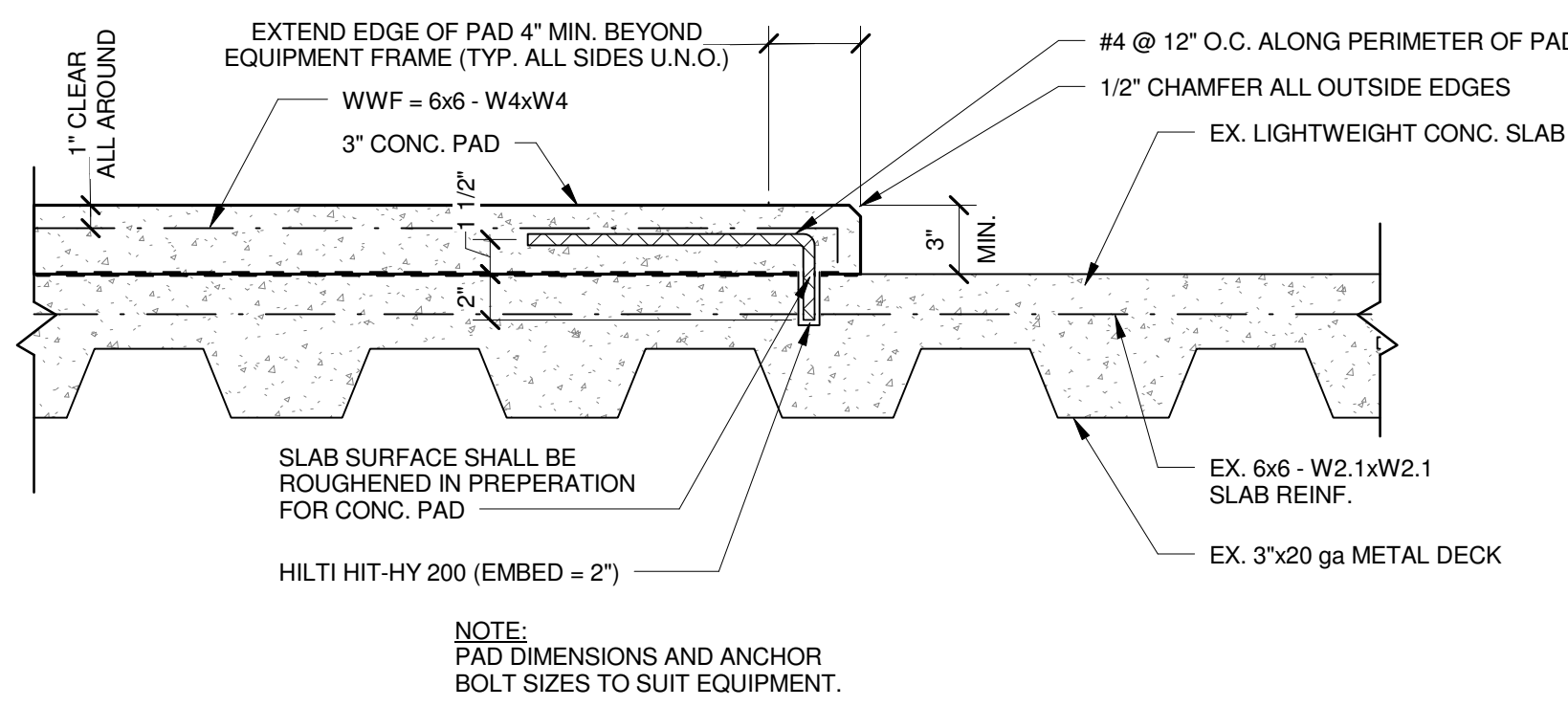
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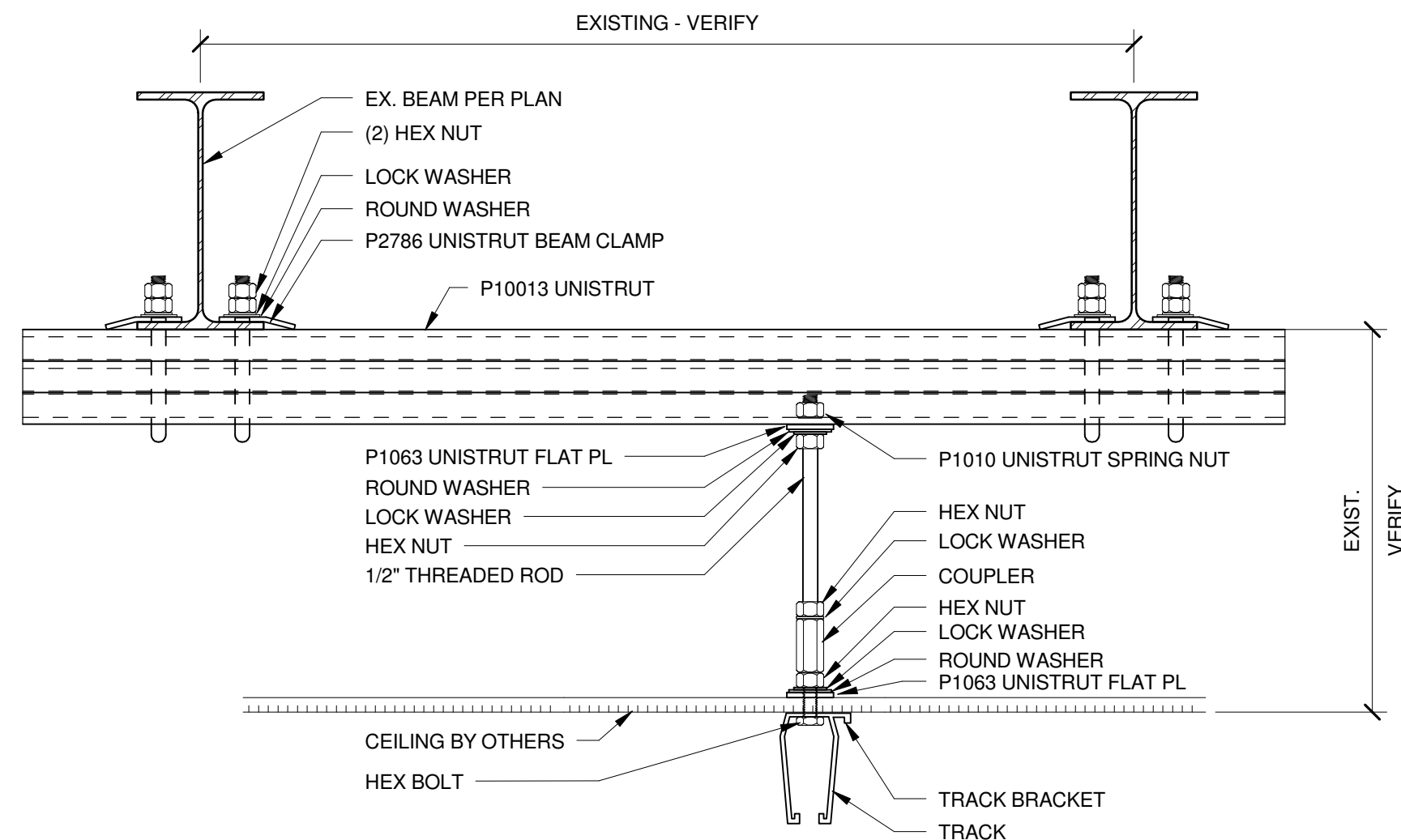
E



6C EXISTING SLAB REINFORCING DETAIL
1 1/2" = 1'-0"



B4 CONCRETE PAD DETAIL
1 1/2" = 1'-0"



B2 PATIENT LIFT SUPPORT FRAMING DETAIL
1 1/2" = 1'-0"

Revisions:		Date:		CONSULTANTS:		ARCHITECT/ENGINEERS:		Drawing Title STRUCTURAL DETAILS		Project Title IMPROVE 5D DIALYSIS FUNCTIONAL DEFICIENCIES		Project Number 598-13-109		CENTRAL ARKANSAS VETERANS AFFAIRS HEALTHCARE SYSTEM 	
						 BES DESIGN/BUILD, LLC 766 Middle St. Fairhope, AL 36532 Phone: 251.990.5778 Fax: 251.990.3716		Approved: Project Director		Location 4300 WEST 7TH STREET LITTLE ROCK, AR 72205		Building Number JLM			
								MCT		Date 2014.10.31		Drawn BTH			
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