

DEPARTMENT OF VETERANS AFFAIRS
JACK C. MONGOMERY VA MEDICAL CENTER
MUSKOGEE, OKLAHOMA

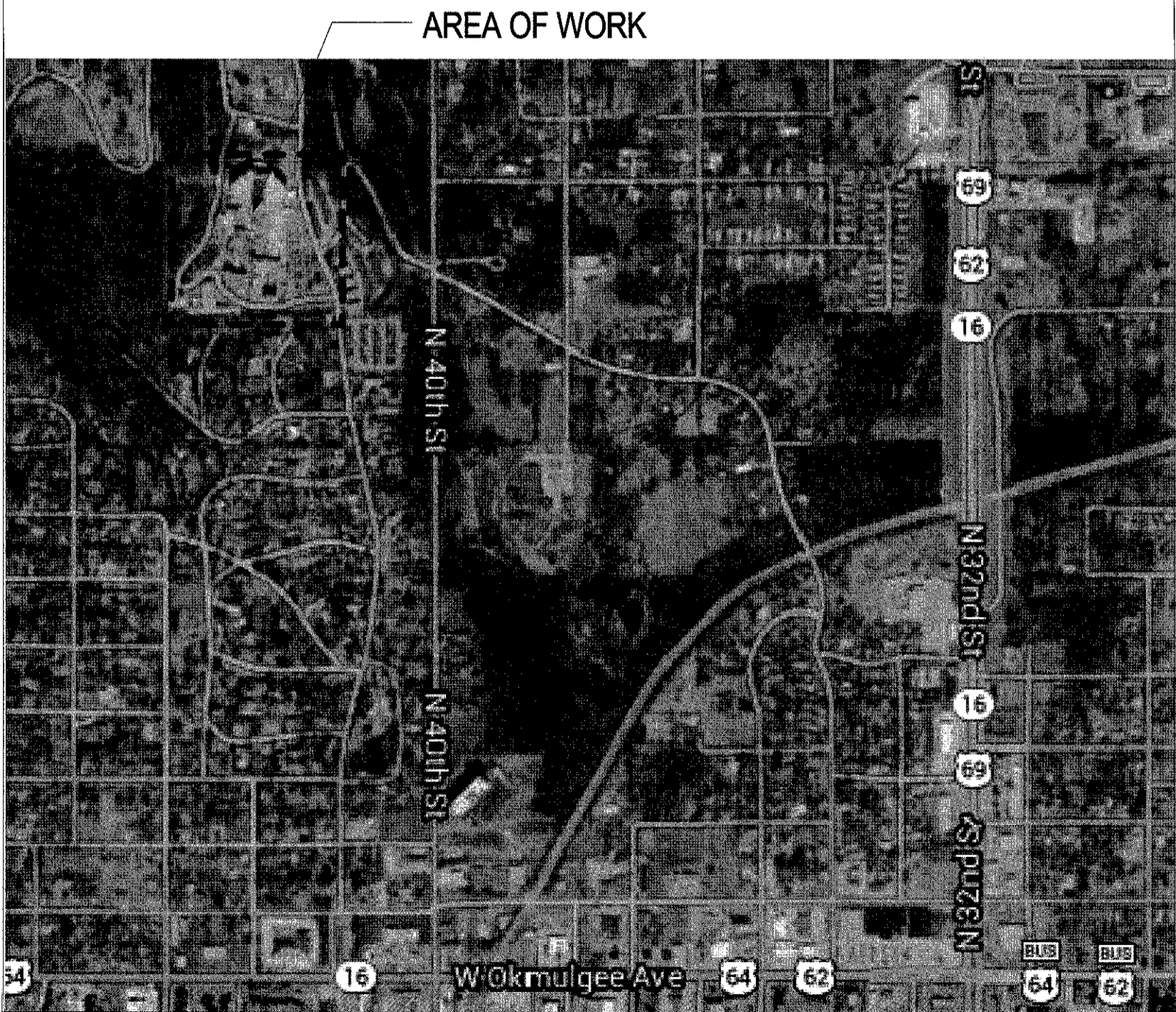
100% CONSTRUCTION DOCUMENTS

INSTALL SERVICE ELEVATORS BUILDING 53

623-14-104



AREA OF WORK
N.T.S.



AREA MAP
N.T.S.

DRAWING LIST	
SHT #	SHEET NAME
53-GI-000	COVER SHEET
53-GI-001	GENERAL INFORMATION
53-AD-101	DEMOLITION PLANS
53-AS-101	FLOOR PLANS
53-AS-201	WALL SECTIONS
53-SS-101	STRUCTURAL FRAMING
53-SS-102	STRUCTURAL NOTES AND DETAILS
53-EP1D	MACHINE ROOM - ELECTRICAL DEMOLITION PLANS
53-EP1	MACHINE ROOM - ELECTRICAL PLAN
53-E1	ELECTRICAL NOTES AND SYMBOLS
53-E2	ELECTRICAL ONE-LINE DIAGRAM

100% CONSTRUCTION DOCUMENTS

REVISIONS	DATE
66 % Design Development	10.17.14
33 % Schematic Design	09.12.14
Revisions:	



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APPROVED: Safety Manager
APPROVED: Medical Center Nurse
APPROVED: Industrial Hygienist

APPROVED: Medical Center Director
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APPROVED: Chief of Staff
APPROVED: Chief of Engineering Service

DRAWING TITLE:
COVER SHEET
PROJECT NUMBER
623-14-104
BUILDING NUMBER
53

Project Title
INSTALL SERVICE
ELEVATORS BUILDING 53
CONTRACT NO:
VA256-14-C-0166
AUTOCAD FILE NAME:
Location
MUSKOGEE, OK

Date
01/23/2015
Scale
VARIES, AS SHOWN
DRAWING NO:
GI-000

Department of
Veterans Affairs

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PROJECT NUMBER
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ELEVATORS BUILDING 53

Contract No.
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Location
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Veterans Affairs

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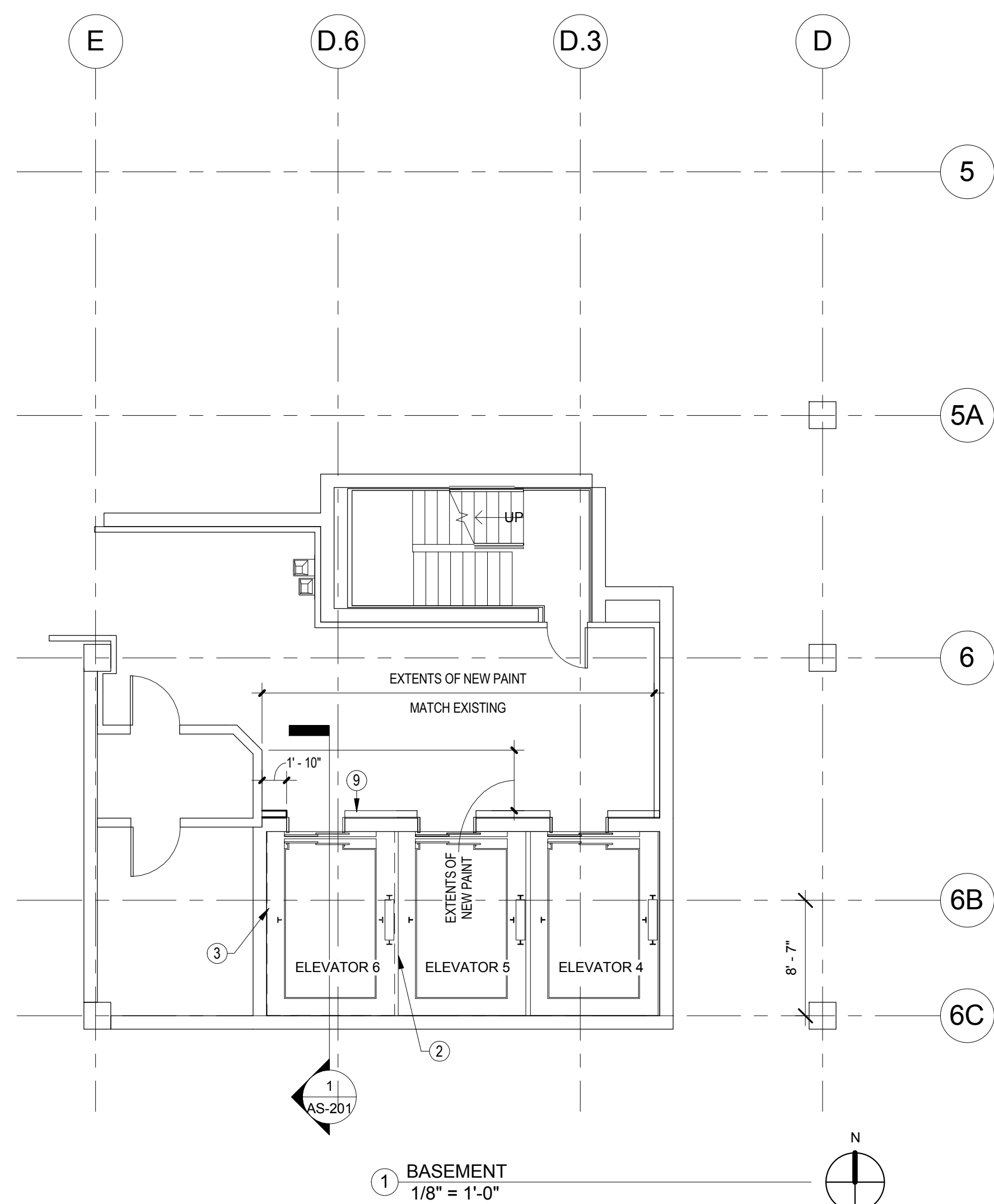
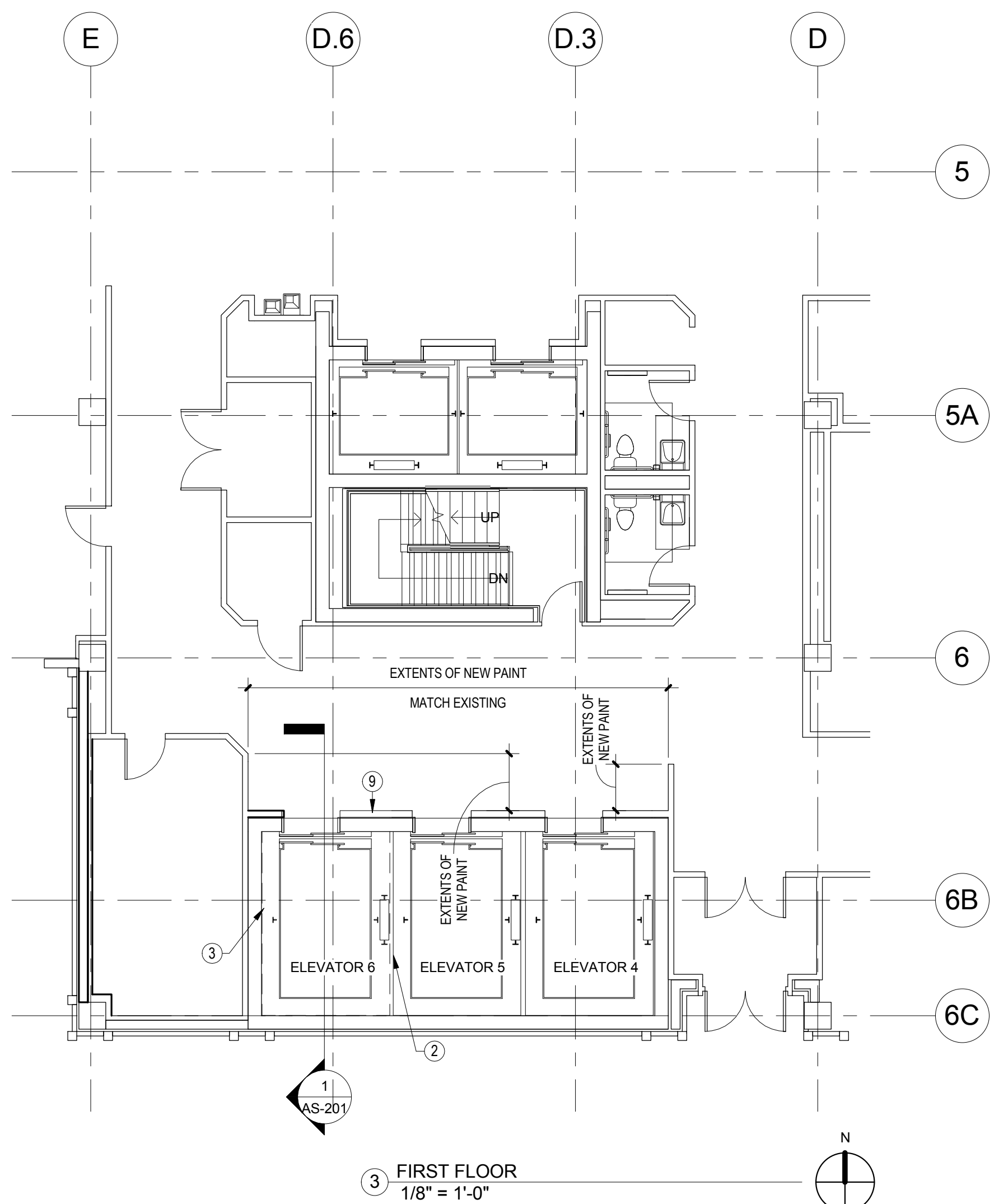
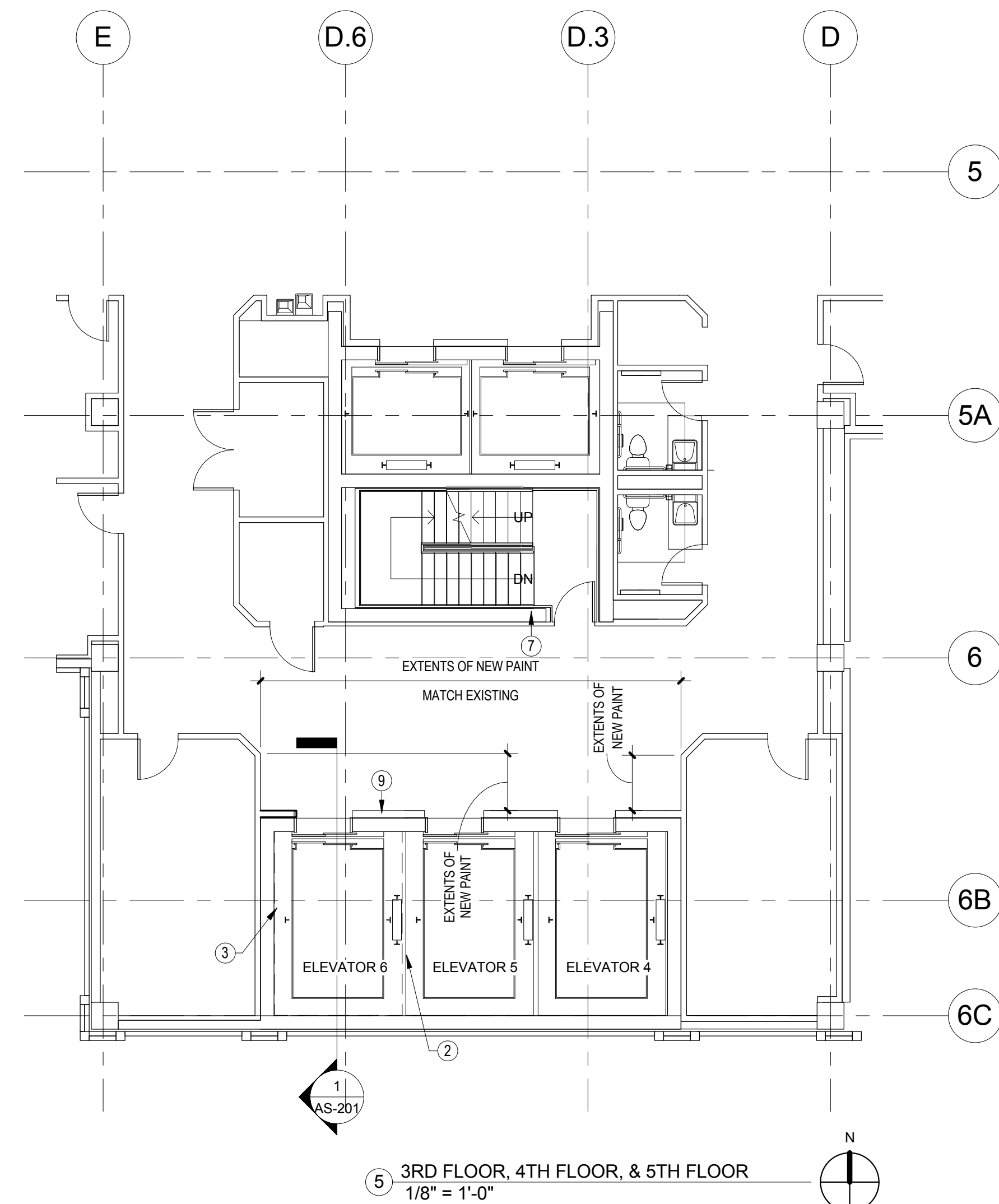
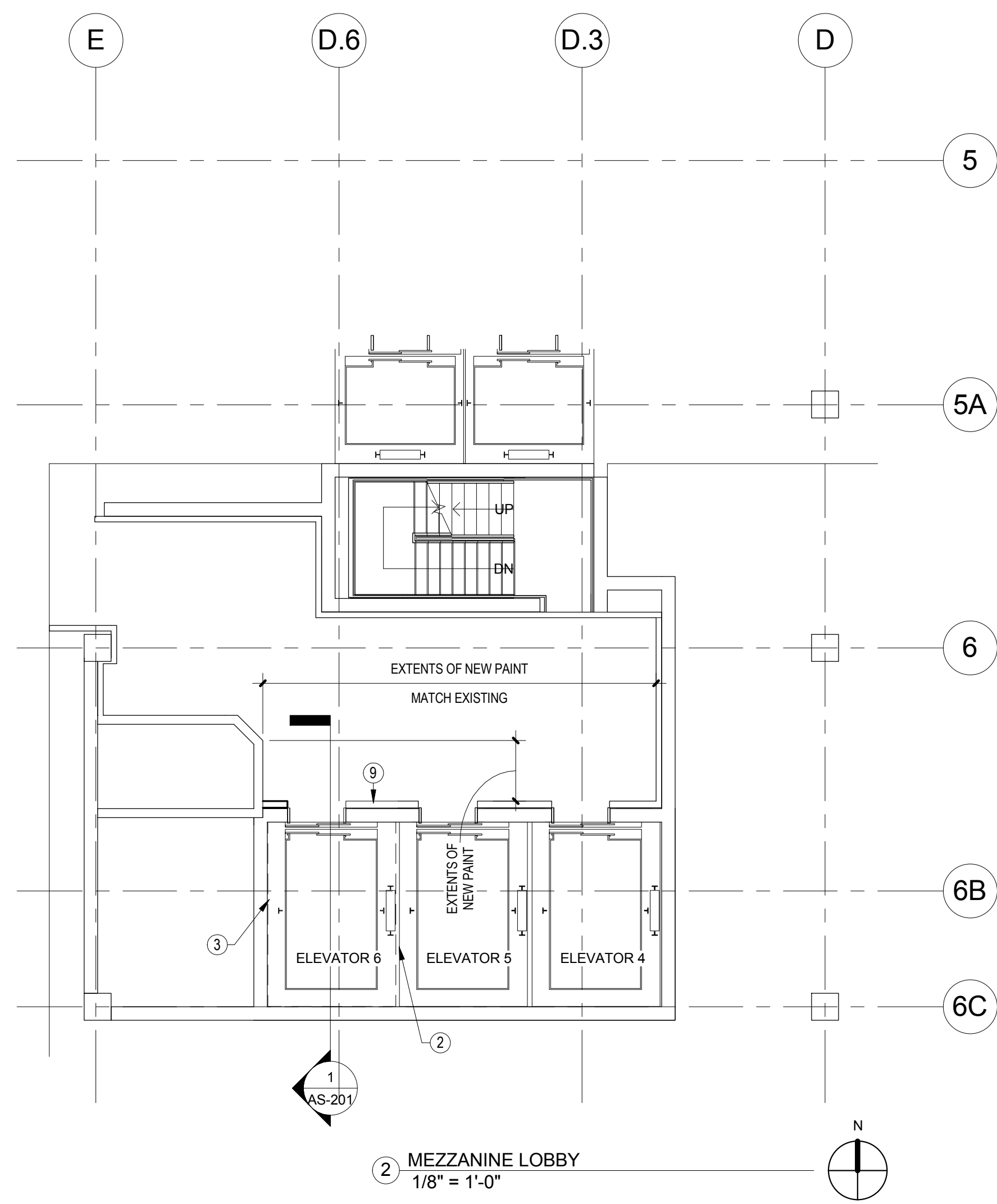
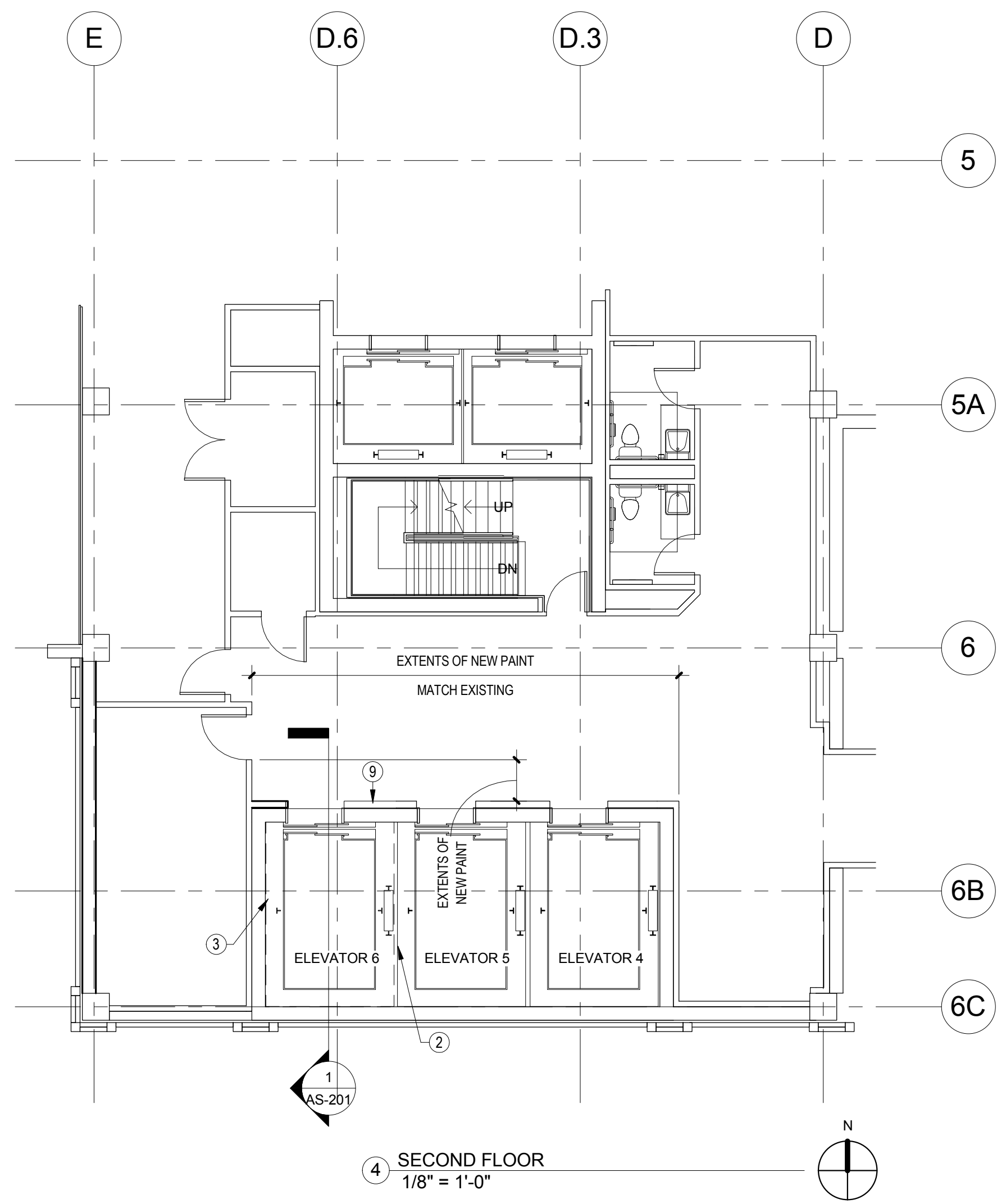
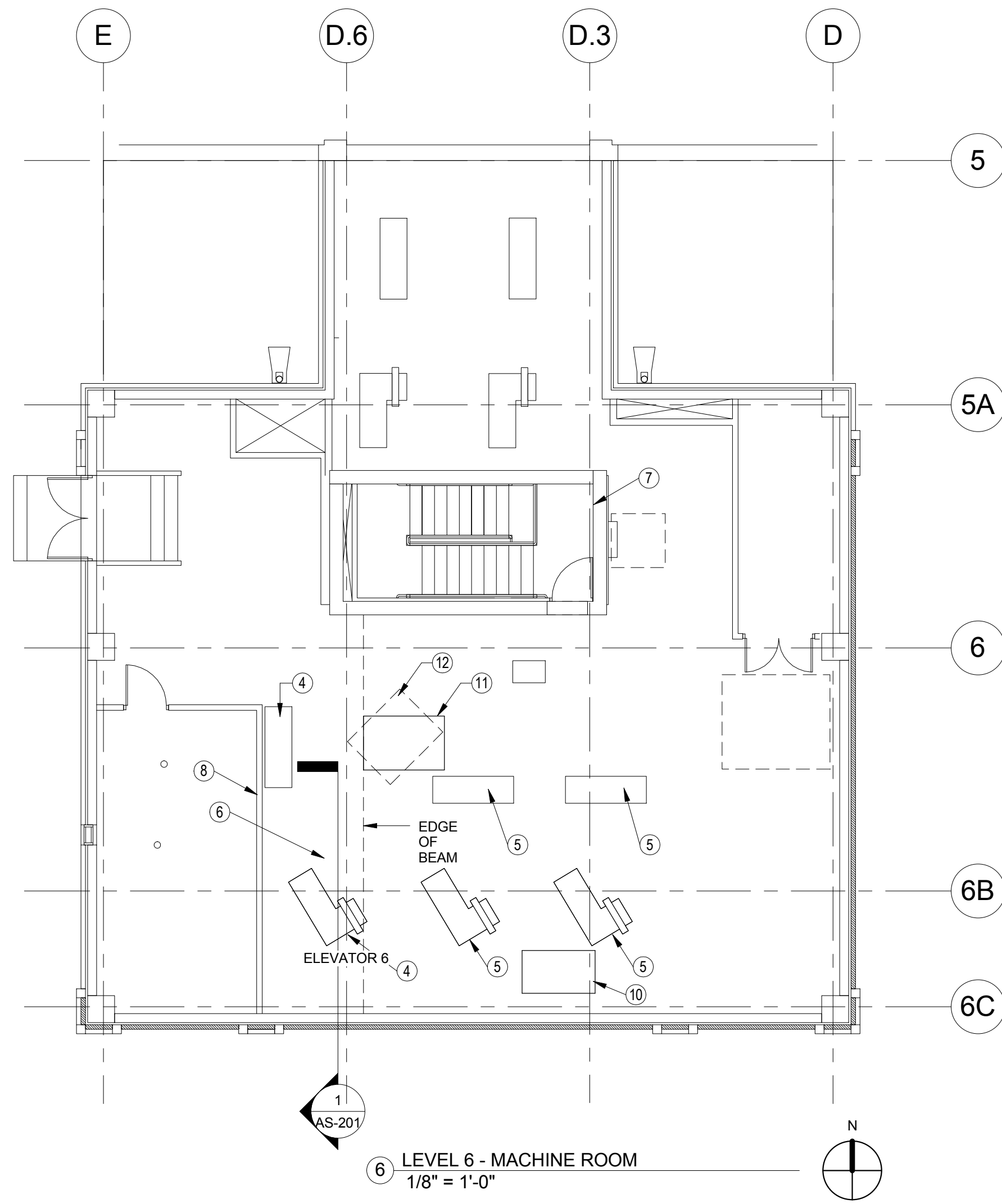
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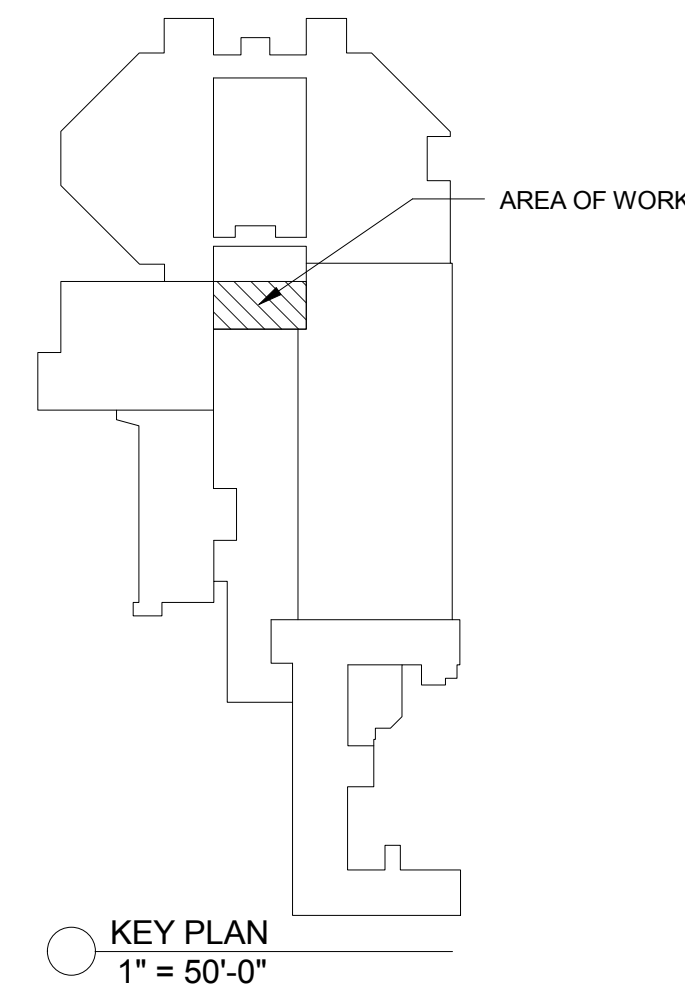
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- PLAN NOTES:**
- LIMITS OF NEW WALL CONSTRUCTION.
 - ELEVATOR GUIDE RAILS TO BE ATTACHED TO EXISTING STEEL BEAMS. BEAMS OCCUR AT FLOOR LEVEL AND HALF WAY BETWEEN FLOORS.
 - ELEVATOR GUIDE RAILS TO ATTACH TO EXISTING.
 - NEW ELEVATOR MACHINERY
 - REPLACE EXISTING ELEVATOR MACHINERY
 - REFER TO STRUCTURAL FOR SHEAVE BEAM SUPPORTS
 - RENOVATE AND REPLACE FLOORING AND FINISHES IN STAIRWELL FROM 5TH LEVEL LANDING TO MACHINE ROOM LEVEL LANDING. PATCH STAIRWELL AREAS DAMAGED BY INSTALLATION AT BOTH THE 5TH LEVEL AND MACHINE ROOM LEVEL.
 - NEW SHEAVE BEAMS PENETRATE WALL AT THIS LOCATION. BOX AROUND WITH SIMILAR WALL CONSTRUCTION.
 - NEW HALL CALL. INTEGRATE WITH EXISTING HALL CALL AND COORDINATE WITH SPECIFICATION REQUIREMENTS.
 - EXISTING EXHAUST DUCT OPENING
 - NEW OPENING FOR HATCH. REF. STRUCTURAL FOR LOCATION AND DIMENSIONS
 - SECONDARY HATCH BELOW ON LEVEL 5.5 (WALKABLE CEILING). REF. STRUCTURAL FOR LOCATION AND DIMENSIONS.



100% CONSTRUCTION DOCUMENTS

REVISIONS	DATE
66 % Design Development	10.17.14
33 % Schematic Design	09.12.14
Revisions:	



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DRAWING TITLE:
FLOOR PLANS

PROJECT NUMBER:
623-14-104

BUILDING NUMBER:
53

CONTRACT NO.:
VA256-14-C-0166

AUTOCAD FILE NAME:

Project Title:
**INSTALL SERVICE
ELEVATORS BUILDING 53**

Drawn By:
ANC

Checked By:
SCB

Location:
MUSKOGEE, OK

Date:
01/23/2015

Scale:
VARIES, AS SHOWN

DRAWING NO.:
AS-101

Department of
Veterans Affairs

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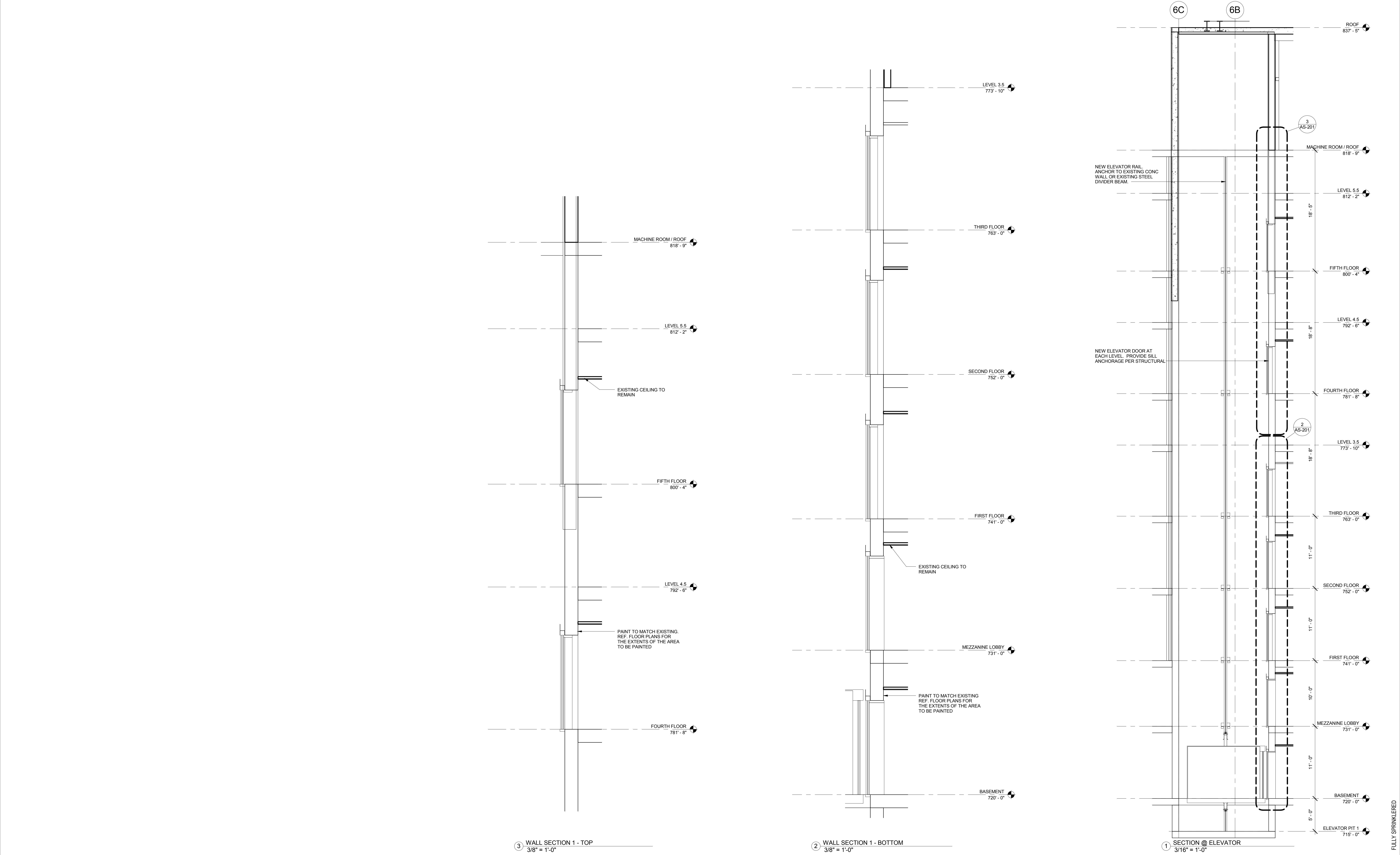
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REVISIONS	DATE
66 % Design Development	10.17.14
33 % Schematic Design	09.12.14
Revisions:	



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DRAWING TITLE: WALL SECTIONS	
PROJECT NUMBER 623-14-104	CONTRACT NO: VA256-14-C-0166
BUILDING NUMBER 53	AUTOCAD FILE NAME:

Project Title INSTALL SERVICE ELEVATORS BUILDING 53	
Drawn By ANC	Checked By SCB
Location MUSKOGEE, OK	

Date 01/23/2015
Scale VARIES, AS SHOWN
DRAWING NO: AS-201

Department of
Veterans Affairs

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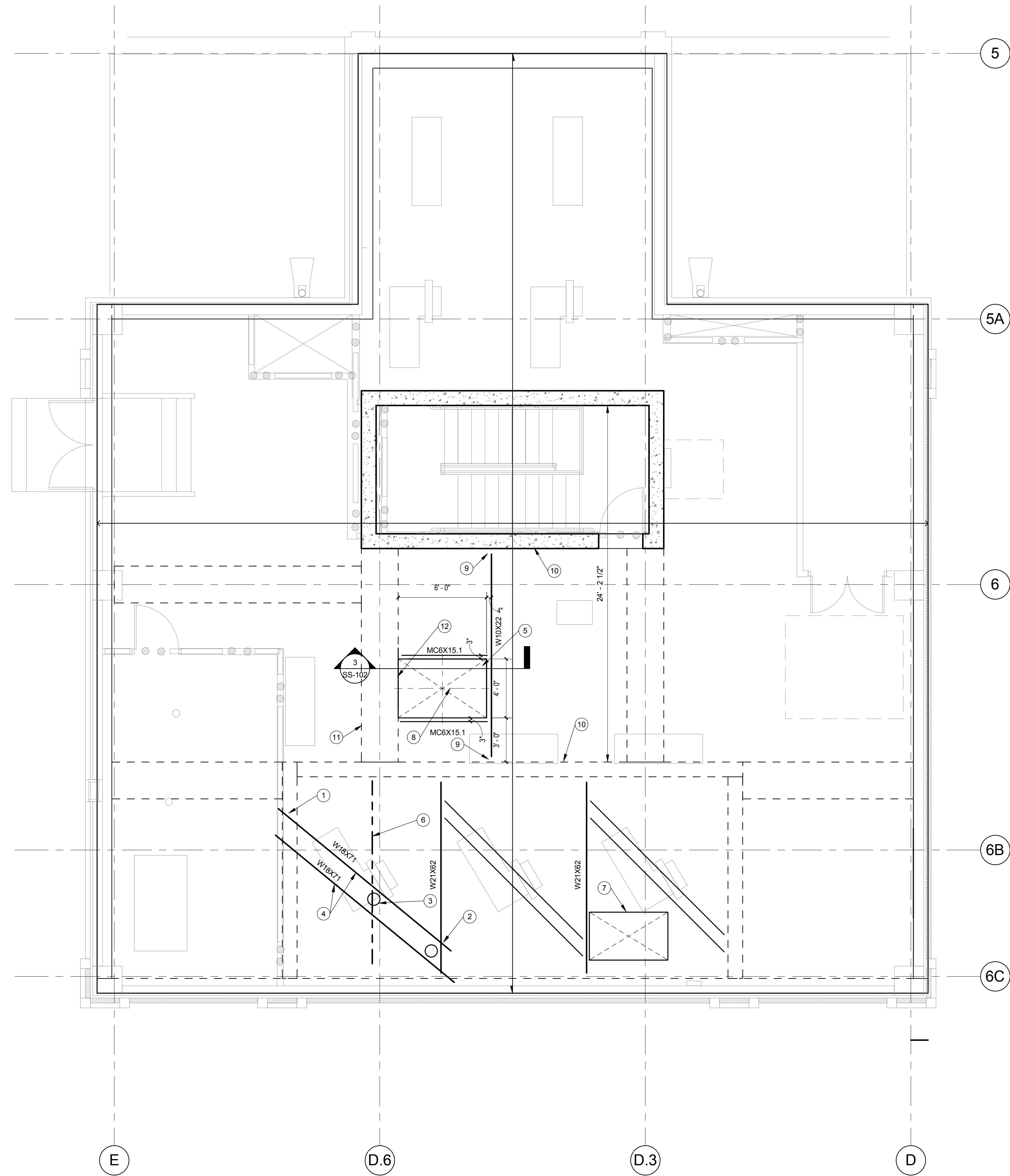
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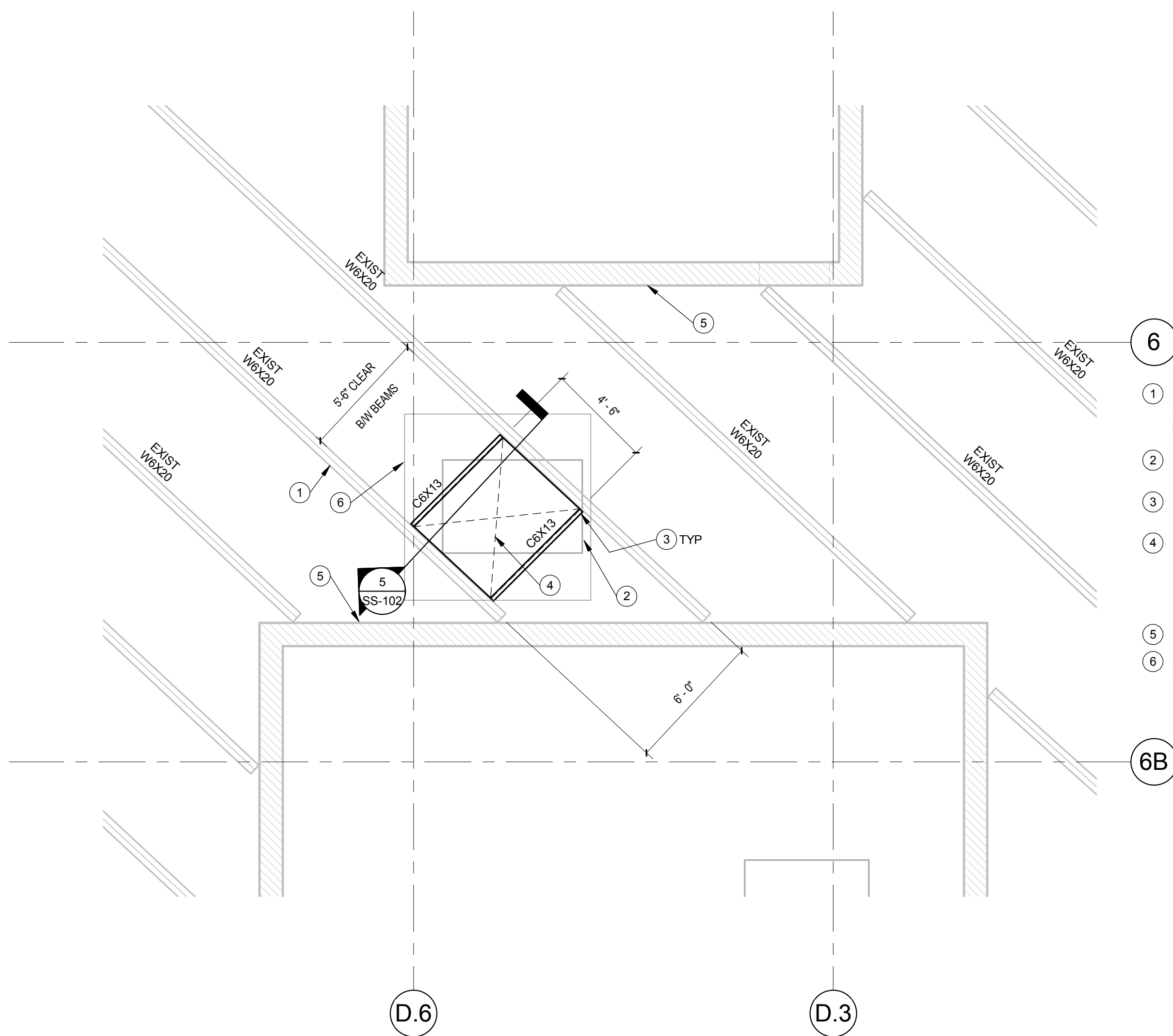
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- PLAN NOTES:**
- 1 BEAM BEARING DETAIL. RE: 1/SS-102. PROVIDE POCKET IN EXISTING STUD WALL FOR NEW BEAM.
 - 2 BEAM BEARING DETAIL. RE: 1/SS-102.
 - 3 CUT HOLE FOR CABLE PATH.
 - 4 W14x99 or W18x71. ADJUST SPACING BETWEEN BEAMS AS REQUIRED FOR SHEAVE AND CABLE CLEARANCES.
 - 5 NEW HATCH IN EXISTING FLOOR.
 - 6 REMOVE EXISTING BEAM BELOW SLAB AS REQ'D FOR NEW CABLE INSTALLATION.
 - 7 EXISTING VENTILATION OPENING IN FLOOR SLAB. COORDINATE ELEVATOR EQUIPMENT LOCATIONS TO AVOID INTERFERENCE WITH.
 - 8 EXISTING W6 UNDERSLUNG BEAM AT MACHINE ROOM ROOF FRAMING MAY BE USED FOR HOISTING (8K LOAD MAX).
 - 9 SEATED BEAM CONN TO EXISTING WALL. RE: 4/SS-102 FOR DETAIL.
 - 10 EXISTING CONCRETE WALL BELOW.
 - 11 EXISTING CONCRETE BEAM BELOW.
 - 12 EDGE OF NEW HATCH ROUGH OPENING TO ALIGN WITH FACE OF EXISTING CONCRETE BEAM.

- SHEET NOTES:**
1. REFER TO SS-102 FOR GENERAL NOTES AND DETAILS.
 2. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.



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- NOTES:**
- 1 EXISTING W6 BEAMS HUNG FROM RODS AT MACHINE ROOM LEVEL AND ANCHORED TO EXISTING CONCRETE WALLS.
 - 2 OUTLINE OF NEW OPENING FOR HATCH IN MACHINE ROOM ABOVE.
 - 3 3/8" SHEAR TAB CONN. FIELD WELD TO BOTH THE W6 BEAM AND NEW CHANNEL.
 - 4 REMOVE EXISTING INSULATING CONCRETE FILL AND METAL DECK AT NEW HATCH LOCATION. PROVIDE 2HR FIRE RATED HATCH IN OPENING. BEAM SPACING TO BE ADJUSTED FOR HATCH REQUIREMENTS.
 - 5 EXISTING CONCRETE WALLS.
 - 6 APPROXIMATE LOCATION OF CEILING GRID TO BE REMOVED DURING CONSTRUCTION. PROVIDE HANGERS TO NEW AND EXISTING GRID TO ALLOW FOR FUTURE REMOVAL TO ALLOW ACCESS TO HATCH.

2 LEVEL 5.5 (WALKABLE CEILING) FRAMING PLAN
1/4" = 1'-0"

1 STRUCTURAL FRAMING- MACHINE ROOM
1/4" = 1'-0"

REVISIONS	DATE
100% Construction Documents	01.30.15
95% Construction Documents	11.26.14
66 % Design Development	10.17.14
33 % Schematic Design	09.12.14
Revisions:	



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DRAWING TITLE: STRUCTURAL FRAMING	
PROJECT NUMBER 623-12-104	CONTRACT NO. VA256-14-C-0166
BUILDING NUMBER 53	AUTOCAD FILE NAME:

Project Title INSTALL SERVICE ELEVATORS BUILDING 53		
Designed By PWS	Drawn By PWS	Checked By PWS
Location MUSKOGEE, OK		

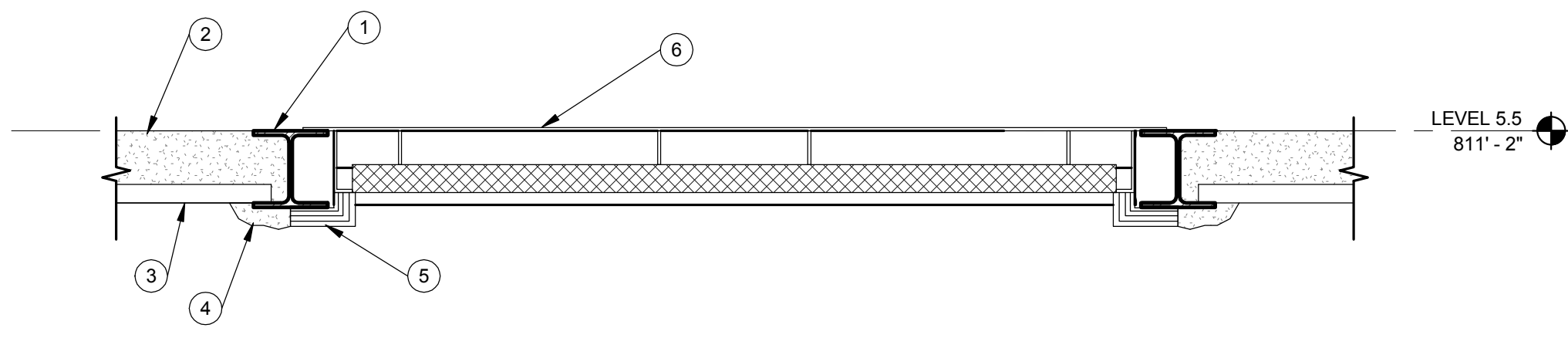
Date 01/30/2015
Scale VARIES, AS SHOWN
DRAWING NO: SS-101

Department of Veterans Affairs

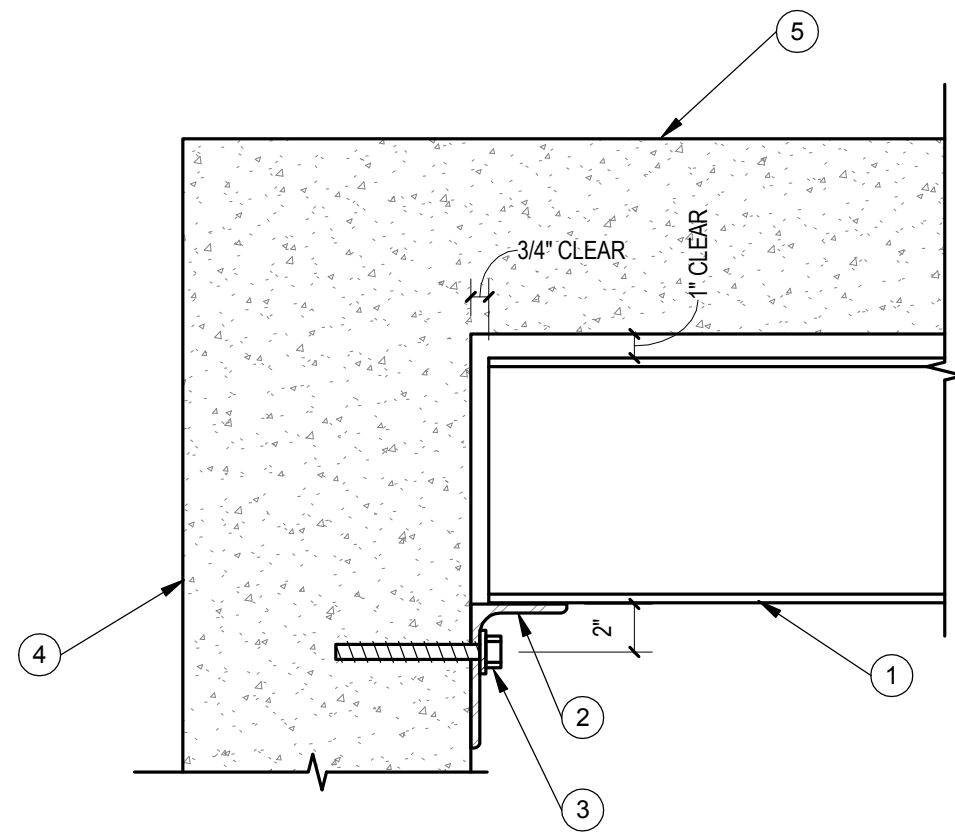
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- NOTES:
- 1 EXISTING 6" DEEP WF BEAM. RE: PLAN
 - 2 EXISTING LIGHTWEIGHT CONCRETE FILL
 - 3 EXISTING 1.5" METAL DECK
 - 4 REPAIR SPRAY FIREPROOFING WHERE NEW OPENING IS INSTALLED
 - 5 (4) LAYERS OF 5/8" GYP BD TO MAINTAIN FIRE RATING
 - 6 NEW FIRE RATED HATCH ANCHOR TO EXISTING W6 BEAMS AND NEW CHANNELS



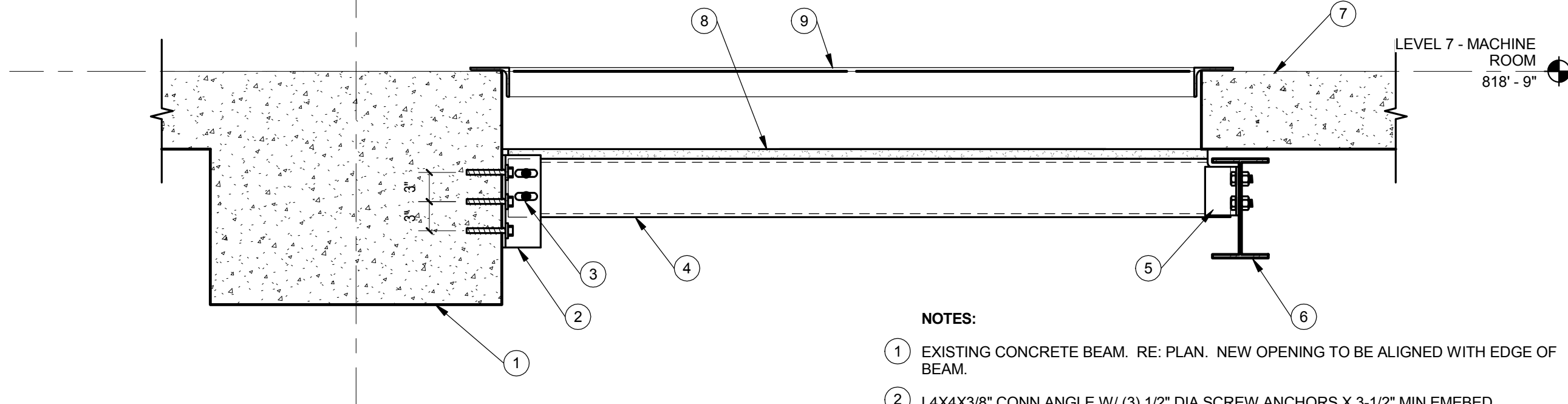
5 HATCH @ WALKABLE CEILING DETAIL
1" = 1'-0"



- NOTES:
- 1 WF BEAM. RE: PLAN
 - 2 L6x4x3/8 X 0'-8" LONG.
 - 3 (2) 5/8" DIA SCREW ANCHORS X 5-1/2" MIN EMBED. GAGE = 6"
 - 4 EXISTING CONCRETE WALL
 - 5 EXISTING 8" CONCRETE SLAB

4 BEAM SUPPORT DETAIL
1 1/2" = 1'-0"

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- NOTES:
- 1 EXISTING CONCRETE BEAM. RE: PLAN. NEW OPENING TO BE ALIGNED WITH EDGE OF BEAM.
 - 2 L4x4x3/8" CONN ANGLE W/ (3) 1/2" DIA SCREW ANCHORS X 3-1/2" MIN EMBED.
 - 3 PROVIDE (2) 5/8" A325 BOLTS W/ SLOTTED HOLES IN CONN ANGLE FOR TOLERANCE.
 - 4 STEEL CHANNEL. RE: PLAN. DETAIL LENGTH FOR TOLERANCE AGAINST EXISTING BEAM.
 - 5 SINGLE ANGLE CONN. 3/8" ANGLE, (2) 5/8" DIA BOLTS. SIZE AS REQ'D.
 - 6 WF BEAM. RE: PLAN
 - 7 EXISTING 8" CONCRETE SLAB
 - 8 DRY PACK 1" N.S. GROUT BETWEEN SLAB AND TOP OF CHANNEL
 - 9 DOUBLE LEAF FLOOR HATCH DOOR. 300 PSF DESIGN LOAD. PRODUCT SHALL ACCOMMODATE THE RETROFIT CONDITION.

3 SECTION @ HATCH OPENING
1" = 1'-0"

STRUCTURAL GENERAL NOTES:

- DESIGN AND CONSTRUCTION SHALL CONFORM TO THE "INTERNATIONAL BUILDING CODE, 2012 EDITION". REFER TO THE SPECIAL STRUCTURAL INSPECTION NOTES FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR TO VERIFY ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
- IF DISCREPANCIES EXIST BETWEEN STRUCTURAL PLANS, ARCHITECTURAL PLANS, OTHER PLANS, OR SPECIFICATIONS, THE CONTRACTOR OR SUBCONTRACTOR SHALL PROVIDE A WRITTEN REQUEST FOR CLARIFICATION FROM THE ARCHITECT AND/OR ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
- THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO EXECUTE AND DETERMINE FINAL ERECTION PROCEDURES, SEQUENCING AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUYING OR TIE DOWNS WHICH MIGHT BE NECESSARY.
- THE STRUCTURE AND FOUNDATIONS ARE NOT DESIGNED FOR FUTURE EXPANSION.
- FABRICATORS AND SUPPLIERS SHALL CLEARLY NOTE AND HIGHLIGHT CHANGES MADE IN SHOP DRAWINGS, WHICH DO NOT COMPLY WITH THE CONTRACT DOCUMENTS.
- COLUMNS, BEAMS, JOISTS, OR TRUSSES SHALL NOT BE FIELD CUT OR TRIMMED FOR ANY REASON WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
- HOLES, PIPES, SLEEVES, ETC, NOT SHOWN ON THE DRAWINGS MUST BE REVIEWED BY THE ARCHITECT BEFORE PLACEMENT THROUGH STRUCTURAL MEMBERS.
- IF MECHANICAL AND ELECTRICAL EQUIPMENT SIZES, WEIGHTS, OR LOCATIONS DO NOT COINCIDE WITH EQUIPMENT SHOWN ON THE PLANS, COORDINATE ADJUSTMENTS WITH THE ARCHITECT.
- NO AREA OF THE STRUCTURE SHALL BE LOADED WITH CONSTRUCTION MATERIALS OR EQUIPMENT THAT EXCEEDS FINAL DESIGN CRITERIA.
- BEAMS, COLUMNS, WALLS AND FOOTING CENTERS SHALL BE CENTERED UNDER SUPPORTING MEMBERS (TYPICAL UNLESS NOTED).
- FOR DEFERRED SUBMITTALS (EXAMPLES: PREFABRICATED WOOD OR COLD FORMED STEEL JOISTS, PRECAST CONCRETE ELEMENTS, COLD FORMED FRAMING), SHOP DRAWINGS AND CALCULATIONS SEALED BY A STRUCTURAL ENGINEER LICENSED TO PRACTICE IN THE JURISDICTION OF THE PROJECT SHALL BE FURNISHED TO THE ENGINEER OF RECORD FOR REVIEW.
- TYPICAL DETAILS ARE SHOWN ON SHEETS DESIGNATED "SDXX". THE INCLUDED TYPICAL DETAILS MAY OR MAY NOT BE CUT / REFERENCED ON PLANS OR SECTIONS, BUT ARE TO BE USED AS APPLICABLE.

CONCRETE AND MASONRY REINFORCING STEEL:

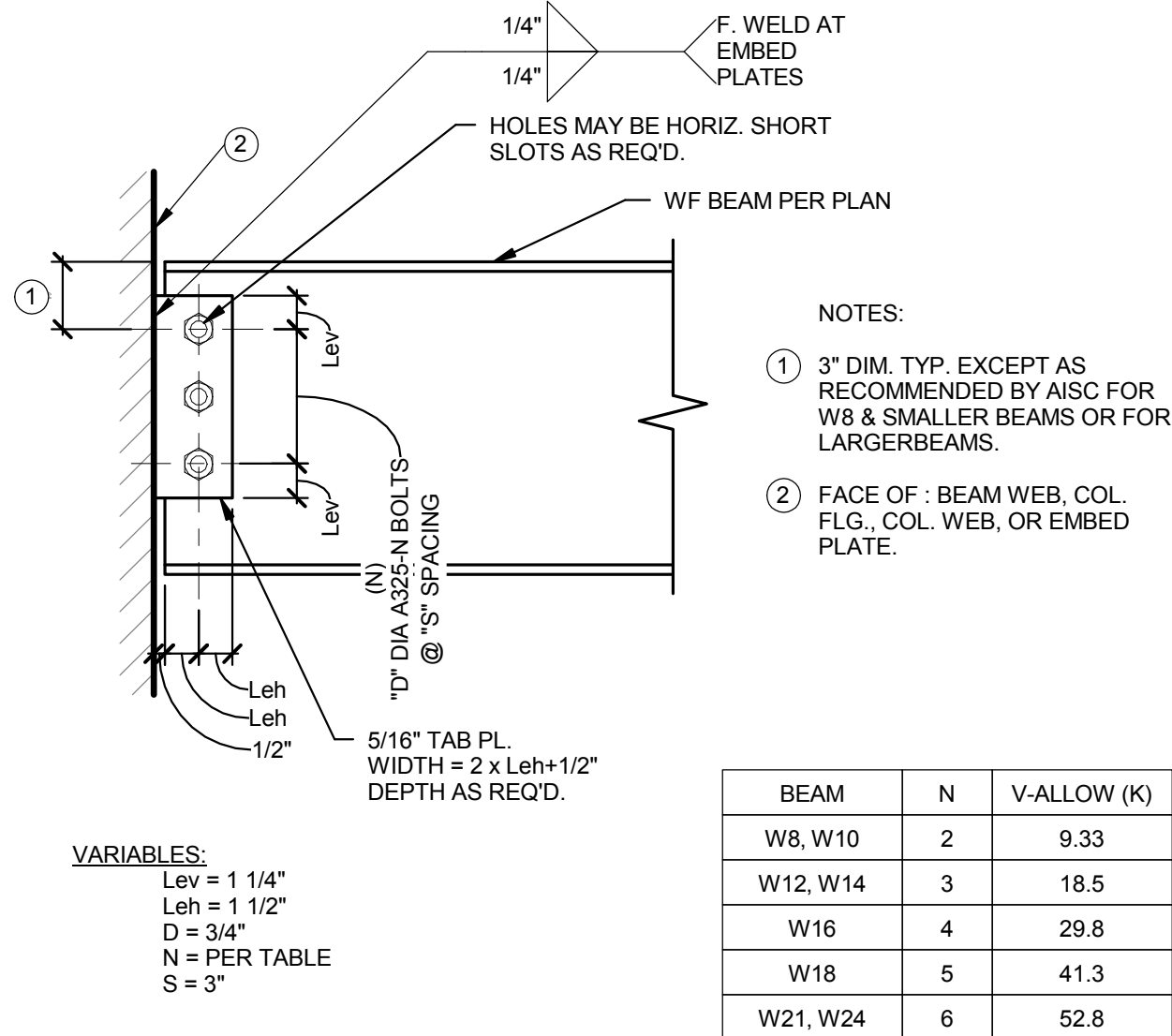
- ALL REINFORCING BARS SHALL MEET ASTM A615 GRADE 60.
- ALL MESH SHALL MEET ASTM A-185. LAP A MINIMUM OF 6" OR ONE FULL MESH, WHICHEVER IS GREATER.
- REINFORCING BARS QUANTITIES SHOWN ARE FOR ESTIMATING PURPOSES ONLY.
- PROVIDE AN ADDITIONAL ALLOWANCE OF 1% OF THE TOTAL REINFORCING SHOWN ON THE FINAL DRAWINGS TO BE FABRICATED AND ERECTED DURING THE PROGRESS OF THE WORK AT THE DIRECTION OF THE STRUCTURAL ENGINEER. FOR THE ADDITIONAL REINFORCING ALLOWANCE, INCLUDE BOTH THE COST OF THE REINFORCING AND THE LABOR TO PLACE IT.
- CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE 1/2" CLEAR FOR SLABS, 2" CLEAR FOR FORMED SURFACES AND 3" CLEAR FOR FOOTINGS (TYPICAL UNLESS NOTED).
- CONTRACTOR SHALL VERIFY THAT ALL REINFORCEMENT, SLAB DOWELS, INSERTS, SLEEVES AND EMBEDDED ITEMS ARE PROPERLY LOCATED AND RIGIDLY SECURED PRIOR TO CONCRETE PLACEMENT. "WET STICKING" DOWELS WILL NOT BE ALLOWED.
- REINFORCEMENT SHALL BE DETAILED IN ACCORDANCE WITH THE LATEST A.C.I. DETAILING MANUAL, BY A QUALIFIED AND EXPERIENCED FIRM AND PERSON. PLACE AND SUPPORT REINFORCEMENT WITH ACCESSORIES: MAXIMUM SPACING - 48" CENTERS (PLASTIC-TIPPED LEGS FOR EXPOSED SURFACES). USE 3" SBP SUPPORTS AT ALL FOOTINGS.

CAST IN PLACE CONCRETE:

- REQUIRED MINIMUM CONCRETE COMPRESSIVE STRENGTHS AT 28 DAYS:
 - a. FOOTING AND GRADEBEAM CONCRETE..... 4000 PSI
 - b. BASEMENT / FOUNDATION WALL CONCRETE..... 4000 PSI
 - c. SLAB ON GRADE AND STRUC SLAB ABOVE GRADE..... 4000 PSI
- ALL CONCRETE MIX DESIGNS SHALL HAVE WATER TO CEMENT RATIOS LESS THAN 0.52, WITH A MAXIMUM 60#0 FINE TO COARSE AGGREGATE RATIO. CONCRETE MIX DESIGNS THAT DO NOT CONFORM TO THE ABOVE STANDARD AND/OR CONTAIN WATER REDUCING ADMIXTURES SHALL BE SUBMITTED WITH APPROPRIATE TEST DATA PER A.C.I. ALL CONCRETE SHALL BE IN CONFORMANCE WITH THE LATEST A.C.I. 301 STANDARDS PUBLICATION.
- LIGHTWEIGHT CONCRETE SHALL HAVE A MAXIMUM DRY UNITY WEIGHT OF 118 PCF.
- EXTERIOR CONCRETE (FLOOR SLABS, WALLS, ETC) SHALL HAVE 6% (PLUS/MINUS 1%) ENTRAINED AIR.
- CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" (VERIFY WITH ARCHITECT).
- NO ALUMINUM SHALL BE EMBEDDED IN ANY CONCRETE.
- NO CALCIUM CHLORIDE SHALL BE USED IN CONCRETE.
- THE DESIGN, CONSTRUCTION, AND SAFETY OF ALL FORMWORK IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL CONCRETE IS REINFORCED UNLESS SPECIFICALLY NOTED AS UNREINFORCED. REINFORCE ALL CONCRETE NOT OTHERWISE SHOWN WITH THE SAME REINFORCING AS SIMILAR SECTIONS OR AREAS.
- CONSTRUCTION JOINTS IN GRADE BEAMS, CONTINUOUS FOOTINGS, AND WALLS THAT DO NOT CHANGE DIRECTION SHALL BE SPACED NO GREATER THAN 60'-0". INTERMEDIATE CONTROL JOINTS SHALL BE SPACED AT 25'-0" MAX FOR WALLS. CONTROL JOINTS IN WALLS SHALL ALSO BE LOCATED 15'-0" FROM CORNERS AND AT CHANGES IN WALL THICKNESS.
- WHERE FRESH CONCRETE IS DEPOSITED AGAINST HARDENED CONCRETE (GREATER THAN 8 HRS OLD), CLEAN EXISTING SURFACE OF LANTANCE AND FOREIGN MATERIAL AND DAMPEN THE EXISTING SURFACE. IF REQUIRED, ROUGHEN EXISTING CONCRETE TO 1/4" AMPLITUDE.
- SLABS ON GRADE SHALL BE 4" THICK MINIMUM ON 4" OF GRANULAR FILL. REINF SLAB WITH 6 X 6 W2 2# W2 2.9 W.W.F. IN UPPER 1/3 OF SLAB THICKNESS. AT INTERIOR SLABS, AN 8 MIL VAPOR BARRIER SHALL BE PLACED BETWEEN THE CONCRETE AND GRANULAR BASE AND CARE SHOULD BE TAKEN DURING CURING TO PREVENT SLAB CURLING. THIS NOTE SHALL BE TYPICAL UNLESS NOTED OTHERWISE.
- SAW CUT JOINTS OR KEVED CONSTRUCTION JOINTS IN SLABS ON GRADE SHALL BE SPACED TO DIVIDE THE SLAB INTO PANELS NOT TO EXCEED 225 SQUARE FEET. THE LONGER DIMENSION OF EACH PANEL SHALL NOT EXCEED THE SHORTER DIMENSIONS BY MORE THAN 20%. JOINTS SHALL BE LOCATED AT COLUMN CENTERLINES WHERE POSSIBLE. CONTRACTOR SHALL SUBMIT JOINT LAYOUT TO ARCHITECT FOR APPROVAL. REFER TO TYP DETAIL RC-001A.
- REINFORCEMENT SHALL BE CONTINUOUS AND LAPPED 53 BAR DIAMETERS (2'-6" MIN.) EXCEPT AS NOTED AND PROVIDE CORNER BARS OF SAME SIZE AND SPACING.
- MINIMUM CONCRETE WALL REINFORCING (WALL 10" OR GREATER) SHALL BE #5 AT 10" CENTERS EACH WAY, EACH FACE.
- MINIMUM REINFORCING AROUND CONCRETE WALL OPENINGS 2'-0" OR GREATER (TYPICAL UNLESS NOTED): 2-#5 EXTEND 2'-0" PAST OPENINGS. PROVIDE 2-#5 X 4'-0" DIAGONAL BARS AT CORNERS.
- CONTRACTOR SHALL COORDINATE ALL CURING COMPOUNDS WITH FLOOR FINISH REQUIREMENTS TO ENSURE COMPATIBILITY.

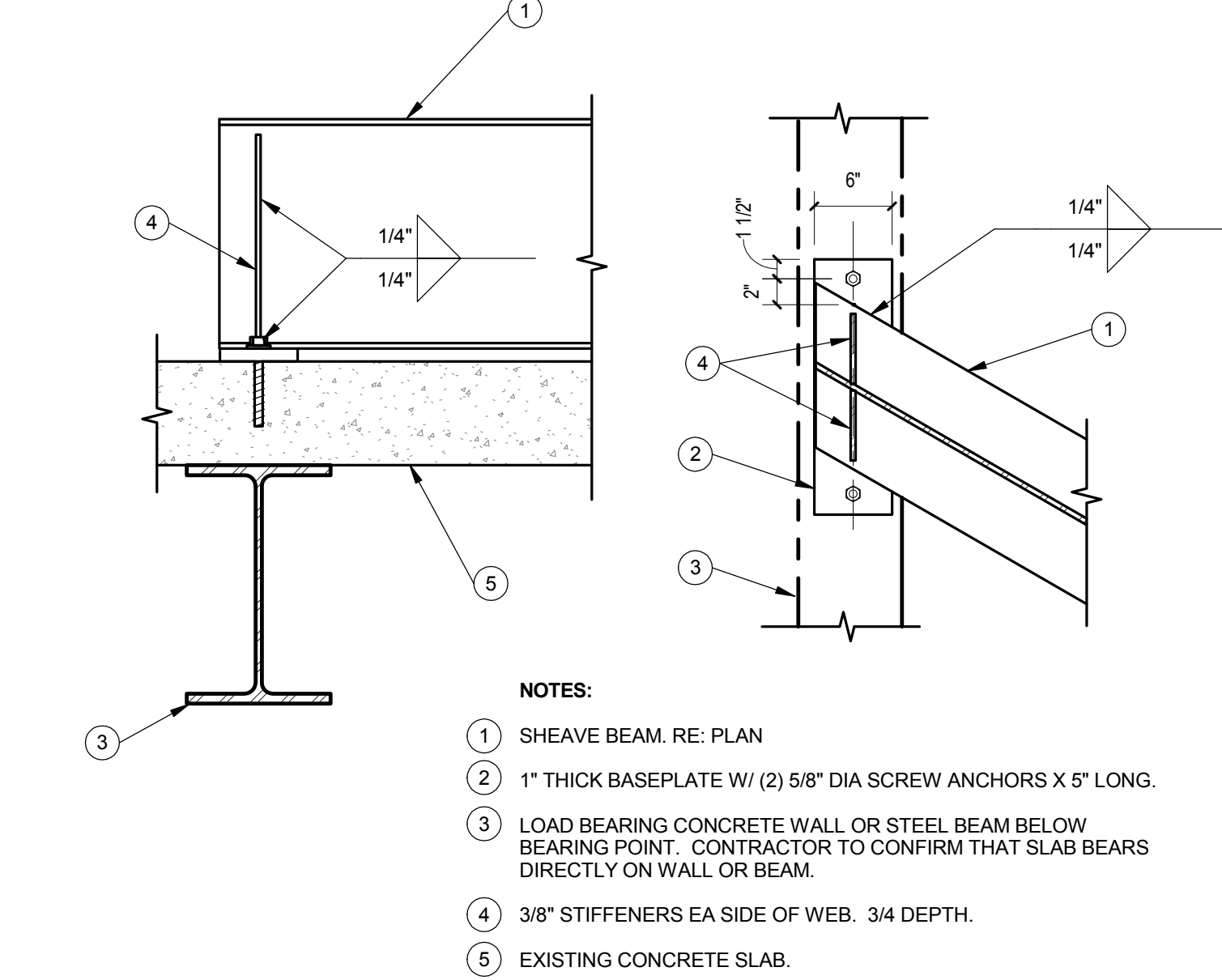
STRUCTURAL STEEL:

- STRUCTURAL STEEL SHAPES AND PLATE MATERIAL REQUIREMENTS (TYPICAL UNLESS NOTED OTHERWISE):
 - a. WIDE FLANGE SHAPES - ASTM A992 (FY = 50 KSI MIN.)
 - b. CHANNELS, ANGLES, AND PLATES: - ASTM A36 (FY = 36 KSI MIN)
 - c. ROUND HSS - ASTM A500, GR B (FY = 42 KSI)
 - d. RECTANGULAR HSS - ASTM A500, GR B (FY = 46 KSI)
 - e. PIPE - ASTM A53, GR B (FY = 35 KSI)
 - f. ANCHOR RODS - ASTM F 1554 (FY = 36 KSI MIN.),
- STRUCTURAL STEEL SHALL BE NEW AND MEET THE 13TH EDITION A.I.S.C. "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS AND BRIDGES", AND THE "CODE OF STANDARD PRACTICES FOR STEEL BUILDINGS AND BRIDGES", EXCLUDING SECTION 4.4.1.B.
- THE STRUCTURAL STEEL FABRICATOR SHALL BE AN AISC QUALITY CERTIFIED COMPANY FOR THE CATEGORY OF WORK IN THIS PROJECT OR PROVIDE A QUALITY ASSURANCE PLAN AND SPECIAL INSPECTIONS AS DEFINED IN THE CODE.
- ALL STRUCTURAL STEEL FIELD CONNECTIONS SHALL HAVE STANDARD AISC FRAMING CONNECTIONS WITH A325-N BOLTS AND WASHERS AS REQUIRED. BOLTS TO BE INSTALLED WITH TURN-OF-THE-NUT METHOD UNLESS NOTED OTHERWISE. ERECTION DRAWINGS SHALL SHOW A FIELD WELDS, AS APPROPRIATE.
- STEEL BEAMS SHALL BE FABRICATED WITH MILL CAMBER UP.
- WELDING SHALL CONFORM TO THE CURRENT AND APPLICABLE AWS STANDARDS AND BE COMPLETED BY AN AWS CERTIFIED WELDER
 - a. AWS D1.1 - STRUCTURAL WELDING CODE - STEEL
 - b. AWS D1.3 - STRUCTURAL WELDING CODE - SHEET STEEL
 - c. AWS D1.6 - STRUCTURAL WELDING CODE - STAINLESS STEEL
- WELD SIZES SHALL BE INCREASED TO MEET THE REQUIRED EFFECTIVE THROAT WIDTH IF GAPS EXIST AT THE FAYING SURFACE.
- NO COLUMN OR BEAM SPLICES, UNLESS CLEARLY INDICATED ON THE STRUCTURAL DRAWINGS, WILL BE ALLOWED WITHOUT WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.
- SEE ARCHITECTURAL PLANS FOR FIREPROOFING REQUIREMENTS AND COORDINATE STEEL COATINGS ACCORDINGLY.
- GROUT WHERE INDICATED ON PLANS AT BASE PLATES SHALL BE NON-METALLIC NON-SHRINK WITH A MINIMUM COMPRESSIVE STRENGTH OF 6000 PSI AT 28 DAYS CONFORMING TO ASTM C1107.
- ALL ANCHORS WHERE NOTED SHALL BE MANUFACTURED BY HILTI, INC. AND INSTALLED PER HILTI SPECIFICATIONS. SUBSTITUTIONS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL WITH APPROPRIATE I-C-ES EVALUATION REPORTS.



VARIABLES:
Lev = 1 1/4"
Leh = 1 1/2"
D = 3/4"
N = PER TABLE
S = 3"

BEAM	N	V-ALLOW (K)
W8, W10	2	9.33
W12, W14	3	18.5
W16	4	29.8
W18	5	41.3
W21, W24	6	52.8



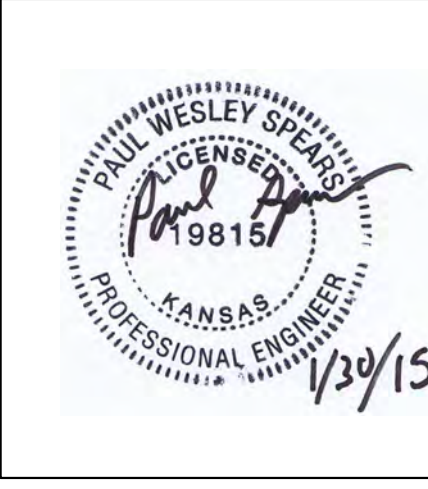
- NOTES:
- 1 SHEAVE BEAM. RE: PLAN
 - 2 1" THICK BASEPLATE W/ (2) 5/8" DIA SCREW ANCHORS X 5" LONG.
 - 3 LOAD BEARING CONCRETE WALL OR STEEL BEAM BELOW BEARING POINT. CONTRACTOR TO CONFIRM THAT SLAB BEARS DIRECTLY ON WALL OR BEAM.
 - 4 3/8" STIFFENERS EA SIDE OF WEB. 3/4 DEPTH.
 - 5 EXISTING CONCRETE SLAB.

1 SHEAVE BEAM BRG DETAIL
1" = 1'-0"

G

G

REVISIONS	DATE
100% Construction Documents	01.30.15
95% Construction Documents	11.26.14
66 % Design Development	10.17.14
33 % Schematic Design	09.12.14
Revisions:	



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APPROVED:

APPROVED:

APPROVED:

APPROVED: Energy Engineer

APPROVED: Safety Manager

APPROVED: Infection Control Nurse

APPROVED: Industrial Hygienist

APPROVED: Medical Center Director

APPROVED: Associate Director

APPROVED: Chief of Staff

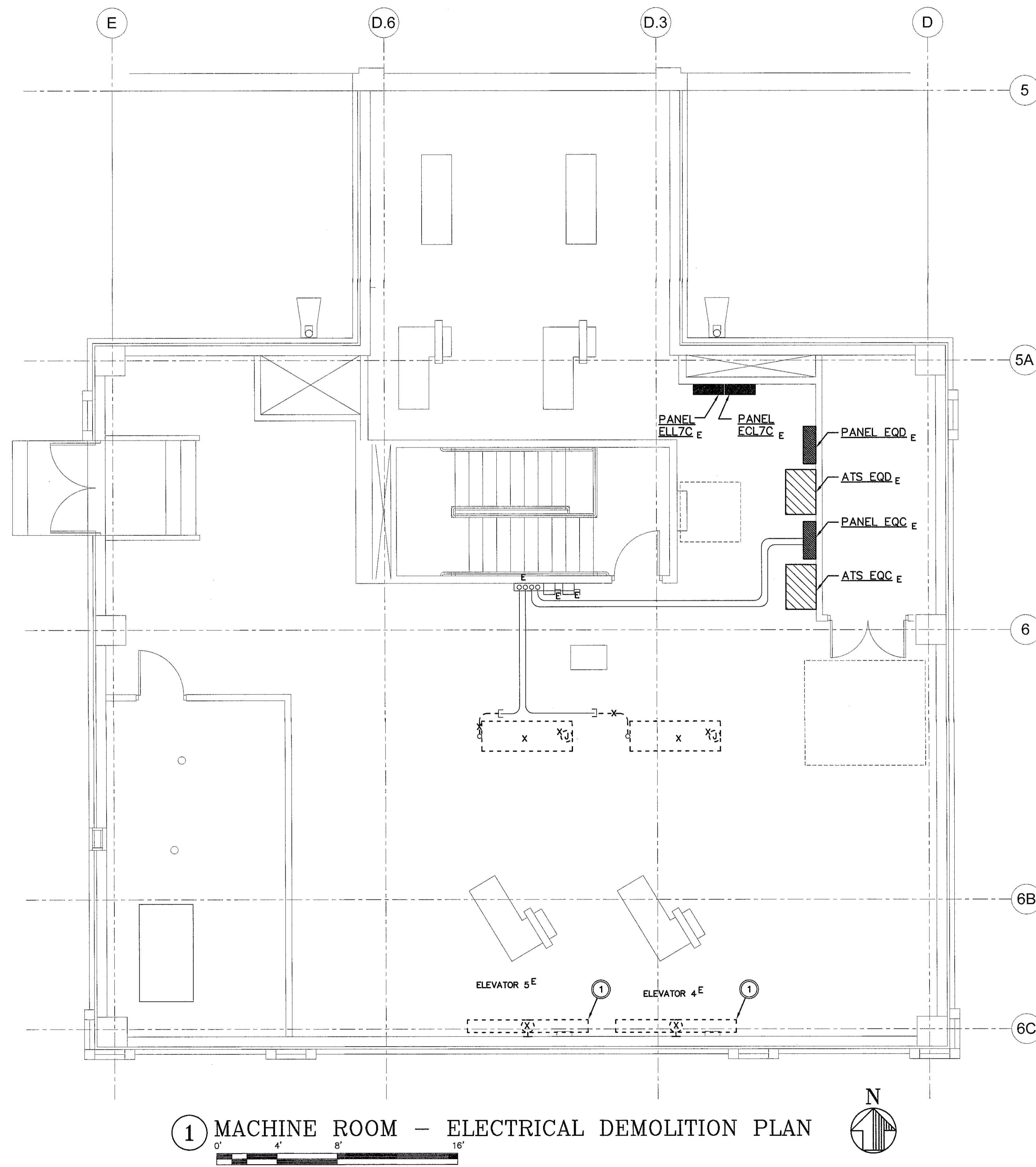
APPROVED: Chief of Engineering Service

DRAWING TITLE: STRUCTURAL NOTES AND DETAILS		Project Title INSTALL SERVICE ELEVATORS BUILDING 53		Date 01/30/2015
PROJECT NUMBER 623-12-104	CONTRACT NO. VA256-14-C-0166	Designed By PWS	Drawn By PWS	Scale VARIES, AS SHOWN
BUILDING NUMBER 53	AUTOCAD FILE NAME:	Checked By PWS	DRAWING NO: SS-102	
		Location MUSKOGEE, OK		

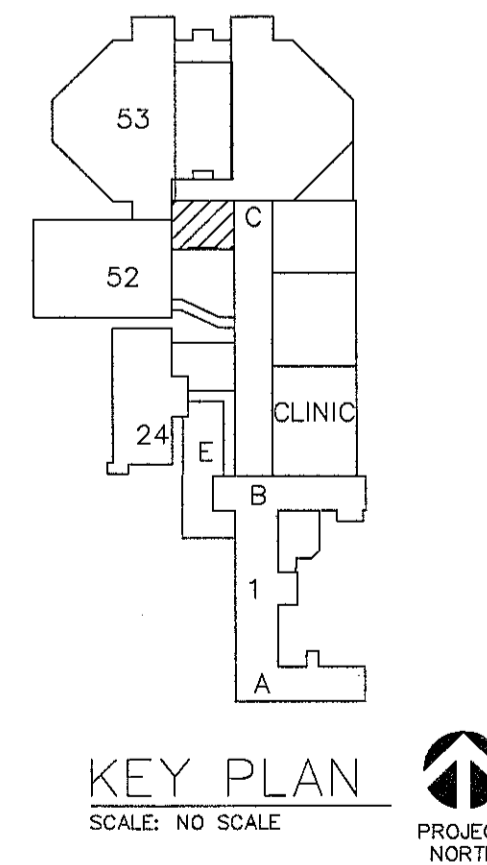
FULLY SPRINKLERED

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SHEET KEYNOTES:
1 REMOVE/REPLACE (10)-TANDEM 1-LAMP FLOURESCENT STRIP LIGHT IN ELEVATOR SHAFT.



1 MACHINE ROOM - ELECTRICAL DEMOLITION PLAN



CAD#27164 NOV-24-14 L&B PROJ. #6395

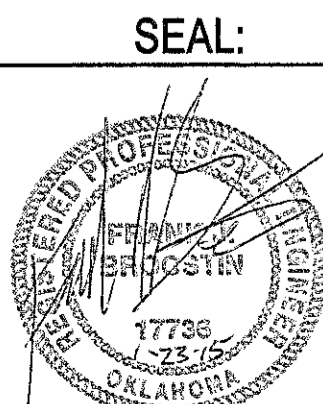
SUBMISSION	DATE
100% Construction Documents	1-23-15
96% Construction Documents	11-26-14
86% Design Development	10-17-14
33% Schematic Design	09-12-14
Revisions:	



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DRAWING TITLE: MACHINE ROOM - ELECTRICAL DEMOLITION PLAN	
PROJECT NUMBER 623-12-104	CONTRACT NO. VA256-14-C-0166
BUILDING NUMBER 53	AUTOCAD FILE NAME:

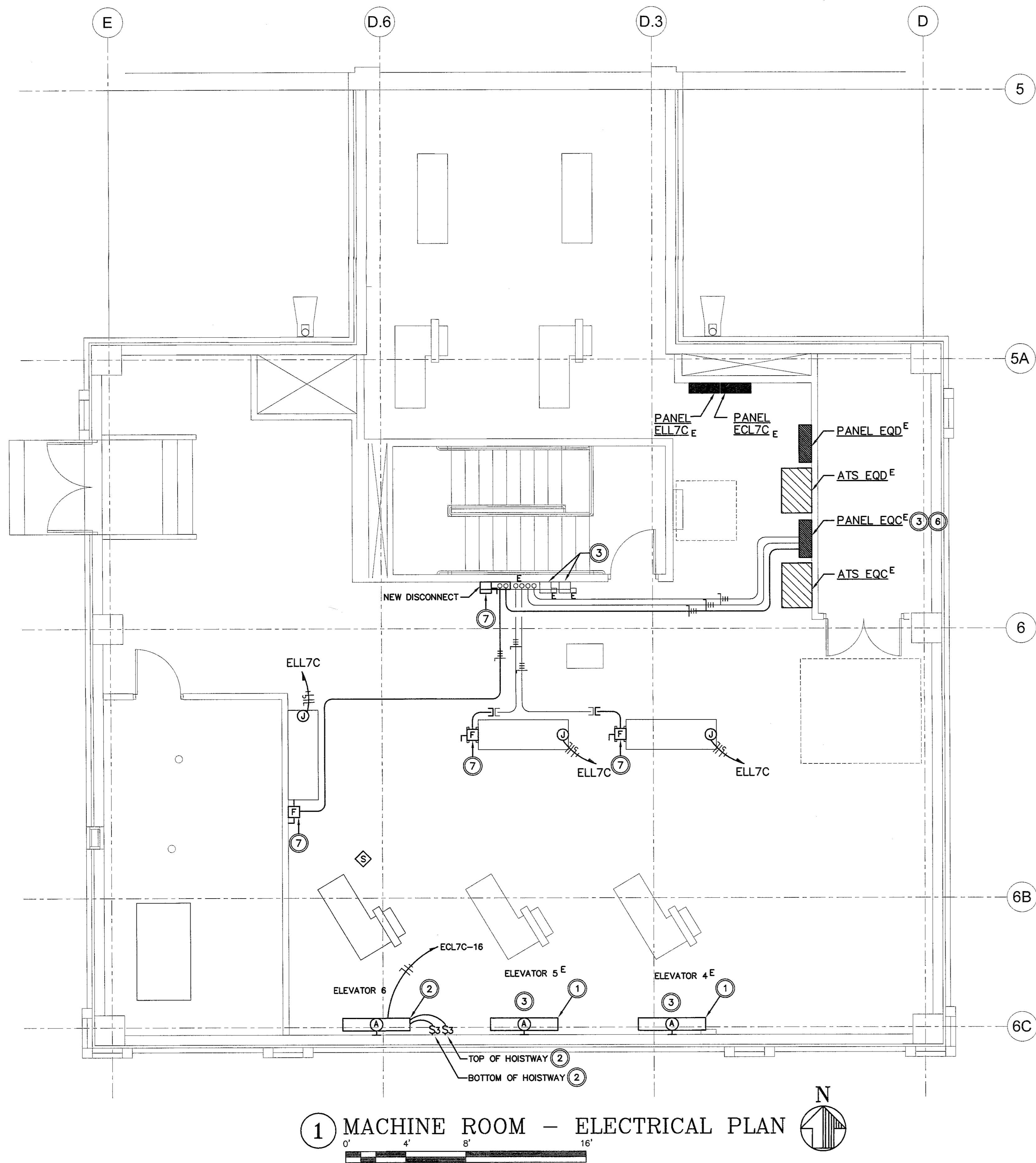
PROJECT TITLE INSTALL SERVICE ELEVATORS BUILDING 53		
Designed By MAG	Drawn By TWL	Checked By FJB
Location MUSKOGEE, OK		

Date
Scale VARIES, AS SHOWN
DRAWING NO: EP1D

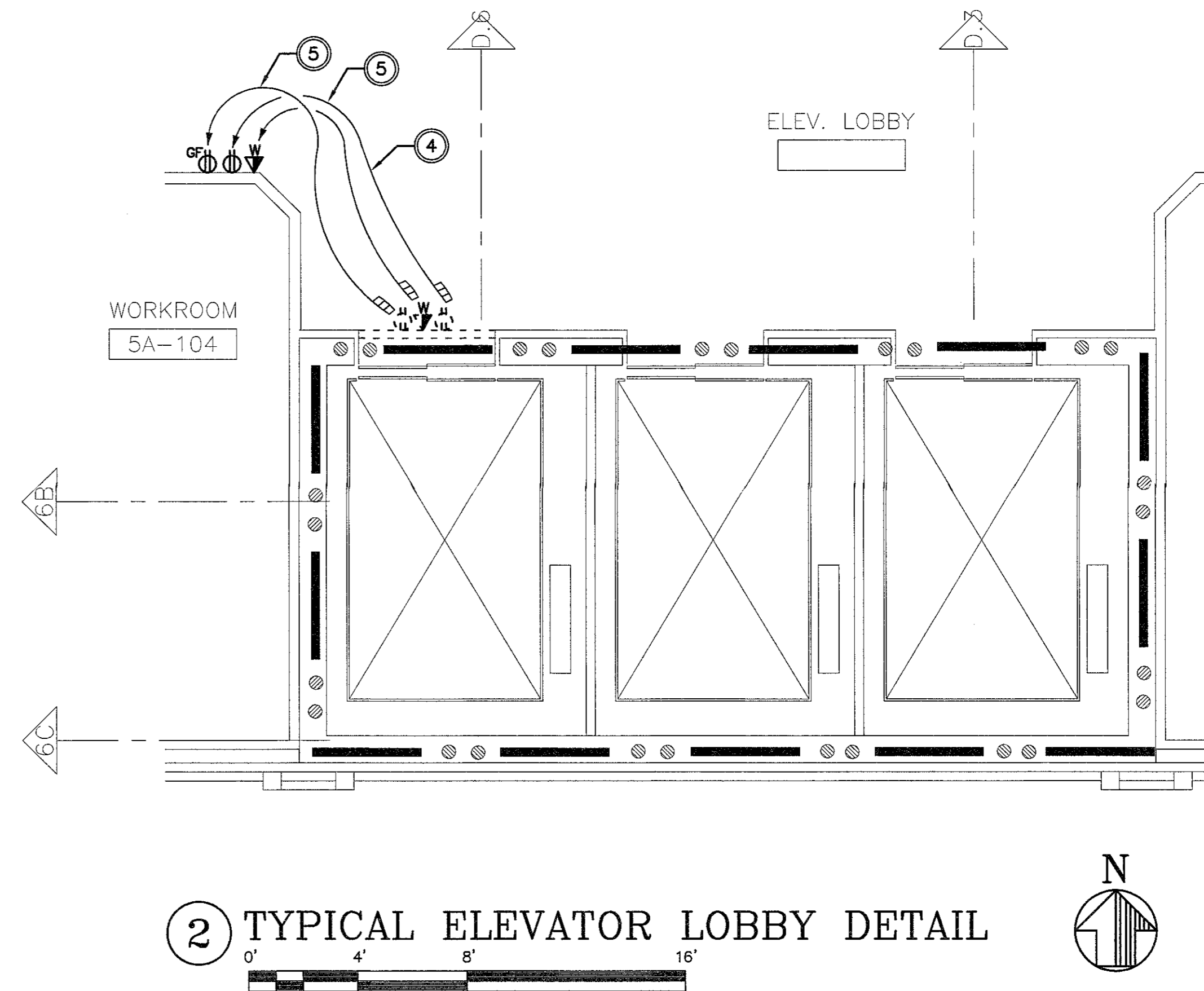
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LIGHT FIXTURE SCHEDULE						
MARK	MANUFACTURER AND MODEL	LAMPS	MOUNTING			FINISH
			CLG.	WALL SURF.	REC.	
A	COLUMBIA LCS4-40ML-EU	LED	X	X		WHITE

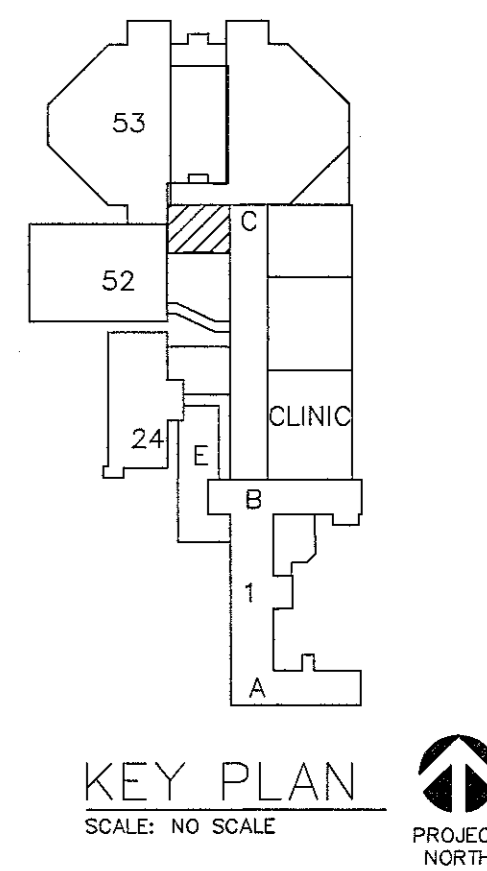
- SHEET KEYNOTES:
- 1 REMOVE/REPLACE (10)-TANDEM 1-LAMP FLOURESCENT STRIP LIGHT IN ELEVATOR SHAFT.
 - 2 FURNISH AND INSTALL (10)-LED LIGHTS IN LOCATIONS SIMILAR TO ELEVATORS 4 & 5 SHAFTS. FURNISH AND INSTALL NEW LIGHT SWITCHES AT TOP AND BOTTOM OF SHAFT TO MATCH EXISTING ELEVATOR SHAFT LIGHT SWITCHES.
 - 3 EXISTING ELEVATOR NUMBERS ARE CHANGING UNDER THIS PROJECT. FURNISH AND INSTALL NEW LABELS ON ALL ASSOCIATED EQUIPMENT ACCORDINGLY.
 - 4 RELOCATE/RECONNECT WALL TELEPHONE ON BASEMENT LEVEL.
 - 5 RELOCATE/RECONNECT RECEPTACLE FOR VENDING ON 5TH FLOOR. REPLACE WIRING DEVICE WITH 20A GROUND FAULT DEVICE.
 - 6 FURNISH AND INSTALL ELEVATOR SHUNT TRIP CONTROL PANEL. RE: 2/EZ.
 - 7 FURNISH AND INSTALL NEW DISCONNECT SWITCH.



1 MACHINE ROOM - ELECTRICAL PLAN



2 TYPICAL ELEVATOR LOBBY DETAIL



KEY PLAN
SCALE: NO SCALE
PROJECT NORTH

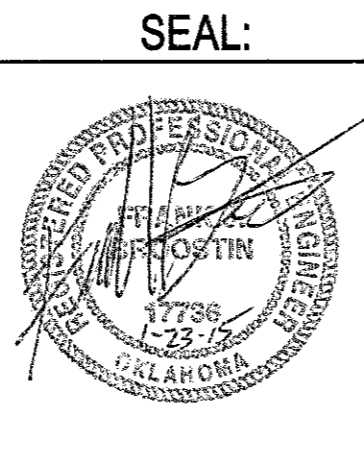
CAD#27162 NOV-24-14 L&B PROJ. #6395

SUBMISSION	DATE
100% Construction Documents	1-23-15
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DRAWING TITLE:
MACHINE ROOM -
ELECTRICAL PLAN
PROJECT NUMBER
623-12-104
BUILDING NUMBER
53

CONTRACT NO:
VA256-14-C-0186
AUTOCAD FILE NAME:
Location
MUSKOGEE, OK

PROJECT TITLE:
INSTALL SERVICE ELEVATORS
BUILDING 53
Designed By
MAG
Drawn By
TWL
Checked By
FJB

Date
Scale
VARIES, AS SHOWN
DRAWING NO:
EP1

Department of
Veterans Affairs

A

B

C

D

E

F

G

ELECTRICAL ABBREVIATIONS

1PH	SINGLE-PHASE	EC	EMPTY CONDUIT	NA	NOT APPLICABLE
1P	SINGLE POLE	EG	EQUIPMENT GROUND	NEC	NATIONAL ELECTRICAL CODE
2/C	TWO-CONDUCTOR	EL	ELEVATION	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
3/C	THREE-CONDUCTOR	ELEC	ELECTRIC OR ELECTRICAL	NEUT OR N	NEUTRAL
3PH	THREE-PHASE	ELEV	ELEVATOR	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
4/C	FOUR-CONDUCTOR	EMCP	EMERGENCY MONITORING CONTROL PANEL	NIC	NOT IN CONTRACT
4W	FOUR-WIRE	EMER	EMERGENCY	NL	NIGHT LIGHT
		EMI	ELECTROMAGNETIC INTERFERENCE	NO	NORMALLY OPEN
		EMT	ELECTRICAL METALLIC TUBING	NS	NO SCALE
		ENCL	ENCLOSURE	NTS	NOT TO SCALE
		EPO	EMERGENCY POWER OFF		
AAP	ALARM ANNUNCIATOR PANEL	ESMT	EASEMENT	OC	ON CENTER
AC	ALTERNATING CURRENT OR ARMORED CABLE	EW	ELECTRIC WATER COOLER	OD	OUTSIDE DIAMETER
		EWL	ELECTRIC WATER HEATER	OL	OVERLOAD
		EXIST	EXISTING		
ACC	ACCESSIBLE			P	POLE
ADDL	ADDITIONAL	FA	FIRE ALARM	PA	PUBLIC ADDRESS
ADJ	ADJACENT, ADJOINING	FAAP	FIRE ALARM ANNUNCIATOR PANEL	PB	PANELBOARD, PULL BOX, OR PUSHBUTTON
ADO	AUTOMATIC DOOR OPENER	FABL	FIRE ALARM BELL	PBPU	PREFABRICATED BEDSIDE PATIENT UNIT
AF	AMPERE FRAME OR AMP FUSE	FABX	FIRE ALARM BOX	PEC	PHOTOELECTRIC CELL
AFC	ABOVE FINISHED COUNTER, AUTOMATIC FREQUENCY CONTROL, OR AVAILABLE FAULT CURRENT	FACP	FIRE ALARM CONTROL PANEL	PED	PEDESTAL
		FC	FOOTCANDLE	PEND	PENDANT
AFF	ABOVE FINISHED FLOOR	FI	FILM ILLUMINATOR	PF	POWER FACTOR
AFG	ABOVE FINISHED GRADE	FIXT	FIXTURE	PH	PHASE
AH	AMPERE HOUR	FLA	FULL LOAD AMPS	PNL	PANEL
AHJ	AUTHORITY HAVING JURISDICTION	FLEX	FLEXIBLE METALLIC CONDUIT	POD	POWER OPERATED DAMPER
AIC	AMPERE INTERRUPTING CAPACITY	FLT	FLOODLIGHT	PT	POTENTIAL TRANSFORMER
ALT	ALTERNATE	FLUOR	FLUORESCENT	PVC	POLYVINYL CHLORIDE (PLASTIC)
AMP	AMPERE	FLUOR FIX	FLUORESCENT FIXTURE	PWR	POWER
ARCH	ARCHITECT	FOUIT	TELEPHONE FLOOR OUTLET		
ASC	AMPS SHORT CIRCUIT	FP	FIRE PROTECTION	RCP	REFLECTED CEILING PLAN
AT	AMPERE TRIP	FT	FEET OR FOOT	REC	RECESSED
ATS	AUTOMATIC TRANSFER SWITCH	FU SW	FUSED SWITCH	RECPT	RECEPTACLE
AUTO	AUTOMATIC	FVR	FULL VOLTAGE NON-REVERSING	RGS	RIGID GALVANIZED STEEL
AV	AUDIO VISUAL		FULL VOLTAGE REVERSING	RM	ROOM
				RMS	ROOT MEAN SQUARE
				REQD	REQUIRED
BAT	BATTERY	G OR GND	GROUND OR GENERATOR	SCC	SHORT CIRCUIT CAPACITY
BC	BARE COPPER	GEN	GENERATOR	SES	SERVICE ENTRANCE SECTION
BD	BOARD	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	SD	SMOKE DETECTOR
BFF	BELOW FINISH FLOOR	GTB	GROUND TERMINAL BOX	SF	SQUARE FOOT (FEET)
BIL	BASIC INSULATION LEVEL			SHT	SHEET
BLDG	BUILDING	HID	HIGH INTENSITY DISCHARGE	SI	INTERNATIONAL SYSTEM OF UNITS
BPIP	BOILER PLANT INSTRUMENTATION PANEL	HOA	HAND-OFF-AUTOMATIC	SPEC	SPECIFICATION
BRKR	BREAKER	HP	HORSEPOWER	SPST	SINGLE POLE, SINGLE THROW
BYP	BY PASS	HT	HEIGHT	SURF	SURFACE
		HZ	HERTZ	SW	SWITCH
C	CONDUIT			SWBD	SWITCHBOARD
CAB	CABINET	IMC	INTERMEDIATE METAL CONDUIT	SWGR	SWITCHGEAR
CALC	CALCULATE	INCAND	INCANDESCENT		
CAP	CAPACITY	IPU	ISOLATED POWER UNIT	TC	TIME CLOCK
CAT	CATALOG	IR	INFRARED	TEL	TELEPHONE
CCR	CONTROL CONTACTOR	IWH	INSTANTANEOUS WATER HEATER	TP	TWISTED PAIR
cd	CANDELA			TPS	TWISTED PAIR SHIELDED
CF	CONTRACTOR FURNISHED	J-BOX	JUNCTION BOX	TTB	TELEPHONE TERMINAL BOARD
CF/CI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED			TV	TELEVISION
CF/OI	CONTRACTOR FURNISHED/OWNER INSTALLED	KV	KILOVOLT	TYP	TYPICAL
CFE	CONTRACTOR FURNISHED EQUIPMENT	KVA	KILOVOLT AMPERE	UFD	UNDERFLOOR DUCT
CHW	CHILLED WATER	KVAH	KILOVOLT AMPERE PER HOUR	UGND	UNDERGROUND
CHWP	CHILLED WATER PUMP	KVAR	KILOVOLT AMPERE REACTIVE	UL	UNDERWRITERS LABORATORY
CKT	CIRCUIT	KW	KILOWATT	UN	UNLESS OTHERWISE NOTED
CKT BRKR	CIRCUIT BREAKER	KWH	KILOWATT HOUR	UPS	UNINTERRUPTIBLE POWER SUPPLY
CLF	CURRENT LIMITING FUSE	KWHM	KILOWATT HOUR METER	UTIL	UTILITY
CLG	CEILING				
CMU	CONCRETE MASONRY UNIT	LED	LIGHT EMITTING DIODE	V	VOLT
COAX	COAX CABLE	LF	LINEAR FEET (FOOT)	VA	VOLT AMPERE
COMM	COMMUNICATION	LM	LUMEN	VAR	VOLT AMPERE REACTIVE
COMPT	COMPARTMENT	LP	LIGHT POLE	VFD	VARIABLE FREQUENCY DRIVE
CONC	CONCRETE	LPS	LOW PRESSURE SODIUM	VLT	VOLTAGE
CONT	CONTINUE	LRA	LOCKED ROTOR AMPS		
CONTR	CONTRACTOR	LTCP	LOCAL TEMPERATURE CONTROL PANEL	W	WATT
COORD	COORDINATE	LT	LIGHT	WH	WATER HEATER
CPT	CONTROL POWER TRANSFORMER	LTG	LIGHTING	WP	WEATHERPROOF
CRI	COLOR RENDERING INDEX	LTG PNL	LIGHTING PANEL		
CT	CURRENT TRANSFORMER	LTNG	LIGHTNING	X	REMOVE
CTV	CABLE TELEVISION	LV	LOW VOLTAGE	XFER	TRANSFER
CU	COPPER			XFMR	TRANSFORMER
CU FT	CUBIC FEET	MAX	MAXIMUM		
CUR	CURRENT	MC	METAL-CLAD		
		MCA	MINIMUM CIRCUIT AMPS		
		MCB	MAIN CIRCUIT BREAKER		
		MCC	MOTOR CONTROL CENTER		
		MCP	MAXIMUM OVERCURRENT PROTECTION		
		MECH	MECHANICAL		
		MH	MANHOLE		
		MIN	MINIMUM		
		MOC	MAXIMUM OVERCURRENT PROTECTION		
		MLO	MAIN LUGS ONLY		
		MT	MOUNT		
		MTD	MOUNTED		
		MTG	MOUNTING		
		MTS	MANUAL TRANSFER SWITCH		
		MV	MEDIUM VOLTAGE		
		MVA	MEGAVOLT-AMPERE		
DB	DECIBEL OR DIRECT BURIAL				
DC	DIRECT CURRENT				
DCP	DIMMER CONTROL PANEL				
DEG C	DEGREES CELSIUS				
DEG F	DEGREES FAHRENHEIT				
DEMO	DEMOLITION				
DIAG	DIAGRAM				
DISC	DISCONNECT				
DISTR	DISTRIBUTION				
DISTR PNL	DISTRIBUTION PANEL				
DMR SW	DIMMER SWITCH				
DN	DOWN				
DPDT	DOUBLE POLE, DOUBLE THROW				
DPST	DOUBLE POLE, SINGLE THROW				
DRSW	DOOR SWITCH				
DS	DISCONNECT SWITCH				
DWG	DRAWING				

ELECTRICAL SYMBOLS - DIAGRAM

	DELTA CONNECTION
	MOTOR, SINGLE-PHASE
	TRANSFORMER
	WYE CONNECTION
	EARTH GROUND
	JUNCTION BOX
	PULL BOX
	SWITCH, MULTIPPOSITION
	SWITCH, SINGLE BREAK
	NORMALLY CLOSED RELAY CONTACT
	NORMALLY OPEN RELAY CONTACT
	FUSE WITH RATING
	MOLDED CASE CIRCUIT BREAKER
	LOW-VOLTAGE DRAWOUT AIR CIRCUIT BREAKER
	SWITCH AND FUSE UNIT
	RELAY
	50 = INSTANTANEOUS OVERCURRENT OR RATE-OF-RISE
	67 = AC-TIME OVERCURRENT
	67 = AC-DIRECTIONAL OVERCURRENT
	86 LOCKING OUT
	DISCONNECT SWITCH, FUSED
	DISCONNECT SWITCH, UNFUSED
	STARTER, COMBINATION WITH DISCONNECT SWITCH
	STARTER OR MOTOR CONTROLLER
	GENERATOR, POWER
	CAPACITOR
	LIGHTNING ARRESTOR
	METER
	AMMETER
	VOLTMETER
	WATTMETER
	WATT-HOUR METER

NOTE LEGEND:

- 1 KEYNOTE REFERENCE.
- 1 FEEDER SCHEDULE. REFER TO SHEET E2.

ELECTRICAL SYMBOLS - LIGHTING PLAN

	LIGHT FIXTURE, WALL MOUNTED
--	-----------------------------

COMMUNICATION SYMBOLS

	FIRE ALARM SMOKE DETECTOR
	TELEPHONE OUTLET, WALL MOUNTED

GENERAL NOTES

- A. EACH BRANCH CIRCUIT HOMERUN CONDUIT SHALL HAVE NO MORE THAN THREE CIRCUITS. EACH BRANCH CIRCUIT HOMERUN SHALL HAVE A SEPARATE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR.
- B. MULTI-GANG BACKBOXES FOR DIFFERENT VOLTAGES AND TYPES OF EMERGENCY AND NORMAL BRANCH WIRING DEVICES SHALL HAVE DIVIDERS BETWEEN DEVICES.
- C. EACH BRANCH CIRCUIT SHALL HAVE DEDICATED NEUTRAL CONDUCTOR. NO MULTIWIRED BRANCH CIRCUITS (NO SHARED NEUTRALS).
- D. CONTRACTOR SHALL LABEL ALL SWITCHES AND RECEPTACLES IN ENTIRE CONSTRUCTION AREA, NEW AND EXISTING, WITH PANEL NAME AND CIRCUIT NUMBER. USE ENGRAVED OR PRINTED LABELS.
- E. ALL JUNCTION BOX COVERS AND ALL CONDUITS THAT CONNECT TO JUNCTION BOXES, NEW AND EXISTING IN CONSTRUCTION AREA, SHALL BE MARKED WITH PANEL AND CIRCUIT INFORMATION. USE BLACK PERMANENT MARKER.
- F. ALL CONTRACTOR PERSONNEL ARE REQUIRED TO ATTEND THE OSHA TRAINING TO MEET THE OWNER'S REQUIREMENTS.
- G. NO WORK IN WALLS OR CEILING SHALL BE COVERED PERMANENTLY UNTIL COR APPROVES OF WORK BEING COVERED.
- H. MINIMUM SIZE CONDUCTOR FOR ALL WIRING 120V AND GREATER SHALL BE #12 AWG UNLESS NOTED OTHERWISE.
- I. ALL CONTRACTOR PERSONNEL ARE REQUIRED TO COMPLETE SECURITY CLEARANCE REQUIREMENTS AND TRAINING.
- J. REFER TO SPECIFICATIONS REGARDING CONSTRUCTION IN AREAS THAT ARE SUBJECT TO INFECTION CONTROL MEASURES. CONTRACTOR SHALL INCLUDE IN BID ALL INFECTION CONTROL MATERIALS AND LABOR.
- K. THE CONTRACTOR IS ADVISED TO VISIT THE SITE TO OBSERVE EXISTING CONDITIONS PRIOR TO BID. NOTE THAT RIGGING/Crane PLACEMENT WILL REQUIRE CAREFUL PLANNING BY THE CONTRACTOR AND SHALL BE INCLUDED IN BID.

GENERAL NOTES - DEMOLITION





- A. EXISTING EQUIPMENT, SUCH AS LIGHTING FIXTURES, WIRING DEVICES, CONDUITS, ETC., SHOWN ON PLANS SHALL BE COMPLETELY REMOVED. REMOVE ALL ACCESSIBLE CONDUCTORS, CONDUITS, HANGERS, AND ALL ASSOCIATED WORK BACK TO OVERCURRENT DEVICE OR EXISTING WORK TO REMAIN. PATCH HOLES IN FLOORS AND WALLS TO MATCH EXISTING WITH PROPER FIRE RATED MATERIALS. RELABEL OVERCURRENT DEVICE TO MATCH EXISTING.
- B. REMOVE ALL ACCESSIBLE ABANDONED WIRING OF ALL TYPES, OR CAP AND LABEL IN JUNCTION BOX FOR RE-USE, IN COMPLIANCE WITH THE NATIONAL ELECTRIC CODE.
- C. MAINTAIN AND RESTORE, IF INTERRUPTED, ALL CONDUITS AND CONDUCTORS PASSING THROUGH RENOVATED AREAS AND SERVICING UNDISTURBED AREAS.

ELECTRICAL SYMBOLS - POWER PLAN

	CONDUIT TERMINATED 6" [152mm] AFF IN STANDARD BOX FOR EXTENSION TO EQUIPMENT AS DIRECTED.
	CONDUIT TERMINATED W/COUPLING (FLUSH W/FINISHED FLOOR) FOR EXTENSION TO EQUIPMENT AS DIRECTED.
	MOTOR
	TRANSFORMER, PLAN
	EARTH GROUND
	JUNCTION BOX
	BRANCH CIRCUIT HOMERUN. LINES INDICATE NUMBER OF CIRCUITS, NEUTRAL, AND SWITCH LEG CONDUCTORS. ONE SEPARATE GREEN GROUNDING CONDUCTOR SHALL BE PROVIDED FOR EACH HOMERUN; NOT SHOWN
	PULL BOX
	EXISTING 120/208V OR 120/240V PANELBOARD
	NEW 120/208V OR 120/240V PANELBOARD
	EXISTING 277/480V OR 480V PANELBOARD
	NEW 277/480V OR 480V PANELBOARD
	NEW 277/480V OR 480V SWITCHBOARD
	RECEPTACLE, DUPLEX
	RECEPTACLE, DUPLEX ON EMERGENCY POWER
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER
	RECEPTACLE, QUADRAPLEX
	DISCONNECT SWITCH, FUSED
	DISCONNECT SWITCH, UNFUSED
	STARTER, COMBINATION WITH DISCONNECT SWITCH
	STARTER OR MOTOR CONTROLLER
	VARIABLE FREQUENCY DRIVE

CAD#27165 NOV-24-14 L&B PROJ. #6395

FULLY SPRINKLERED

SUBMISSION		DATE			Department of Veterans Affairs Jack C. Montgomery Medical Center 1011 Honor Height Drive Muskogee, Oklahoma 74401	CONSULTANTS:		SEAL:		ARCHITECT / ENGINEERS		APPROVED: President A.F.G.E 2250		APPROVED: Energy Engineer		APPROVED: Medical Center Director		DRAWING TITLE: ELECTRICAL NOTES AND SYMBOLS		PROJECT TITLE: INSTALL SERVICE ELEVATORS BUILDING 53		Date							
						 Lee & Browne Consulting Engineers, Inc. 1207 South Sheridan Road Tulsa, Oklahoma 74112-5405 (918) 836-0271 CA #252 Exp: 6/15				 7700 NORTH HUDSON AVENUE, SUITE 9 OKLAHOMA CITY, OKLAHOMA 73116 WWW.SPUR-DESIGN.COM PHONE: 405.842.8100 OK CERTIFICATE OF AUTHORITY NO: 82285		APPROVED:		APPROVED: Safety Manager		APPROVED: Associate Director				Scale VARIES, AS SHOWN									
100% Construction Documents		1-23-15										APPROVED:		APPROVED: Infection Control Nurse		APPROVED: Chief of Staff		PROJECT NUMBER 623-12-104		CONTRACT NO. VA256-14-C-0166		Designed By MAG		Drawn By TWL		Checked By FJB		DRAWING NO: E1	
96% Construction Documents		11-26-14												APPROVED:		APPROVED: Industrial Hygienist		APPROVED: Chief of Engineering Service		BUILDING NUMBER 53		AUTOCAD FILE NAME:		Location MUSKOGEE, OK					
96% Design Development		10-17-14																											
33% Schematic Design		09-12-14																											
Revisions:																													

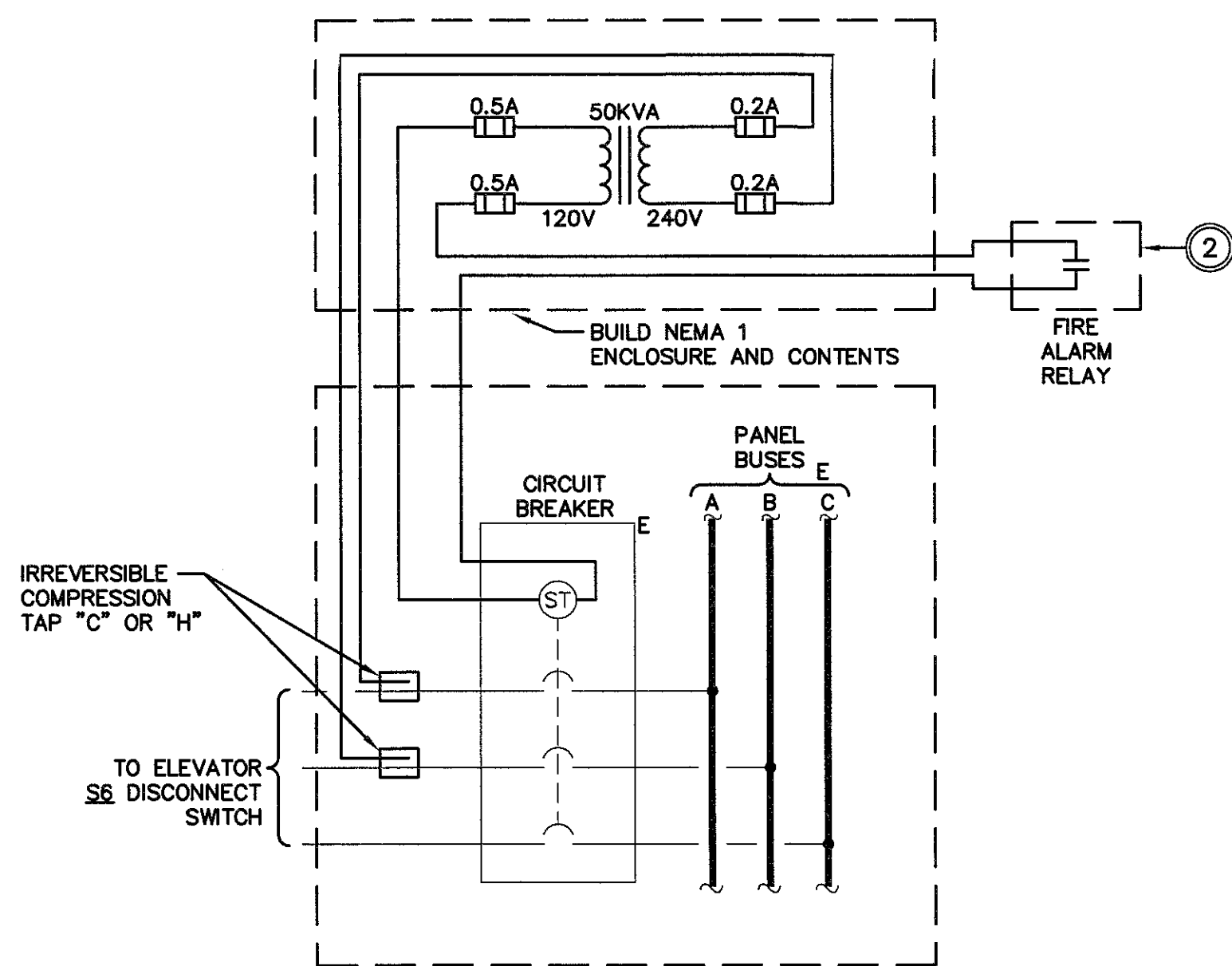
Department of Veterans Affairs

VA FORM 64-001

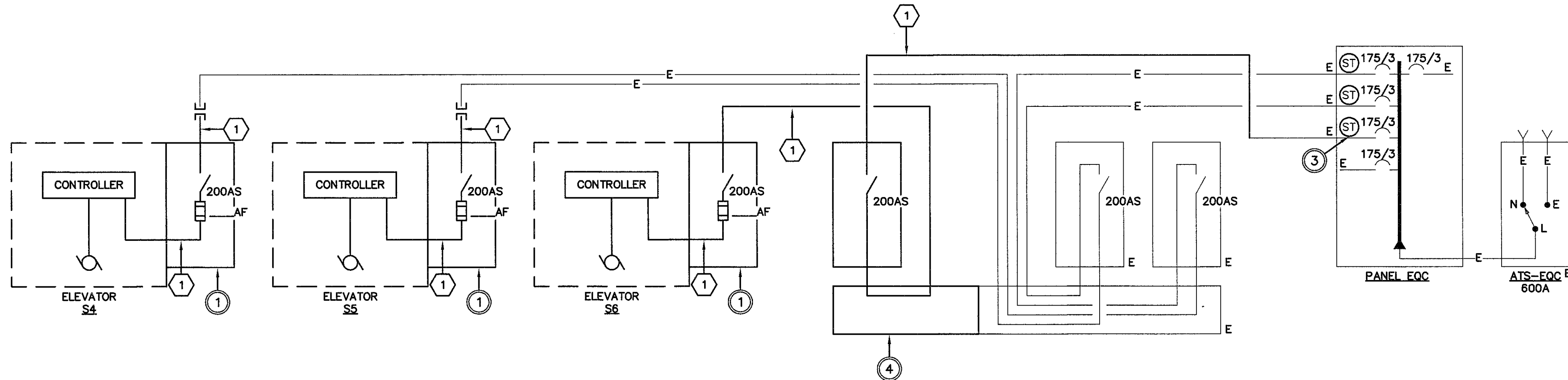
Department of Veterans Affairs

- SHEET KEYNOTES:**
- 1 CONTRACTOR SHALL FURNISH AND INSTALL FUSES THAT ARE SIZED PER ELEVATOR EQUIPMENT SUPPLIER'S RECOMMENDATION.
 - 2 CONTRACTOR SHALL HIRE AND PAY ALL FEES AND COSTS OF ADVANCED CABLING-CONTACT ADAM WINBURG (918) 893-3444 TO MODIFY EXISTING FG E3 SERIES FIRE ALARM SYSTEM FOR WORK UNDER THIS CONTRACT.
 - 3 USE EXISTING SPARE CIRCUIT BREAKER.
 - 4 EXTEND EXISTING WIREWAY.

- FEEDER SCHEDULE:**
- 1 BUILD (3)-#2/O, (1)-#2/O G IN 2" C.



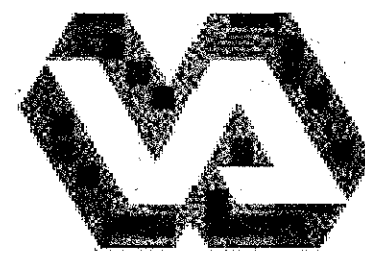
2 SHUNT TRIP DETAIL
NO SCALE



1 ELECTRICAL ONE-LINE DIAGRAM
NO SCALE

CAD#27160 NOV-24-14 L&B PROJ. #6395

SUBMISSION	DATE
100% Construction Documents	1-23-15
96% Construction Documents	11-26-14
86% Design Development	10-17-14
33% Schematic Design	09-12-14
Revisions:	



Department of Veterans Affairs
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(918) 836-0271
CA #252 Exp: 6/15

SEAL:

Professional Engineer Seal for Justin A. Brown, State of Oklahoma, No. 17798, Exp. 12-31-15.

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APPROVED: President A.F.G.E 2290
APPROVED:
APPROVED:
APPROVED:

APPROVED: Energy Engineer
APPROVED: Safety Manager
APPROVED: Infection Control Nurse
APPROVED: Industrial Hygienist

APPROVED: Medical Center Director
APPROVED: Associate Director
APPROVED: Chief of Staff
APPROVED: Chief of Engineering Service

DRAWING TITLE: ELECTRICAL ONE-LINE DIAGRAM	
PROJECT NUMBER 623-12-104	CONTRACT NO. VA256-14-C-0166
BUILDING NUMBER 53	AUTOCAD FILE NAME:

PROJECT TITLE: INSTALL SERVICE ELEVATORS BUILDING 53		
Designed By FJB	Drawn By MLH	Checked By FJB
Location MUSKOGEE, OK		

Date
Scale VARIES, AS SHOWN
DRAWING NO: E2

Department of
Veterans Affairs