

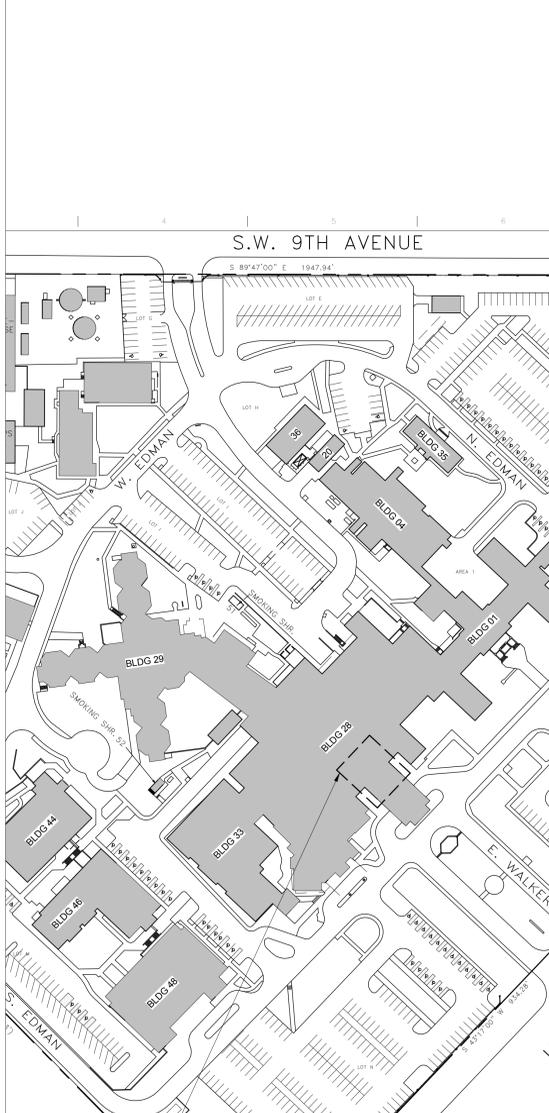
AMARILLO VA HEALTH CARE SYSTEM

504-18-107 REPLACE ELEVATOR CONTROLS BLDG 28

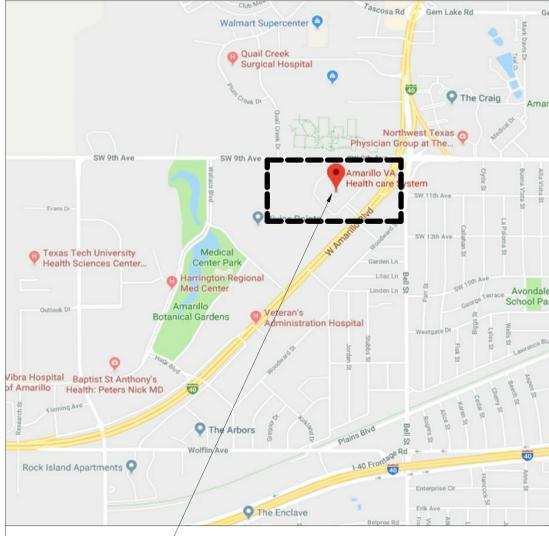
6010 W. AMARILLO BLVD, AMARILLO, TX 79106

100% CONSTRUCTION DOCUMENTS

DRAWING LIST		
SHEET NUMBER	SHEET SEQUENCE	SHEET NAME
[01] GENERAL		
G-000	1	COVER SHEET
G-001	2	GENERAL INFORMATION
G-011	3	LIFE SAFETY PLAN
[02] ARCHITECTURAL DEMO		
AD-101	4	ARCHITECTURAL DEMOLITION
[03] ARCHITECTURE		
AS - 101	5	FLOOR PLANS
AS - 102	6	INTERIOR ELEVATIONS
[04] MECHANICAL		
MH - 101	7	MECHANICAL FLOOR PLANS
[05] ELECTRICAL		
ES - 101	8	ELECTRICAL FLOOR PLANS



AREA OF WORK



PROJECT LOCATION

CONSULTANTS

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 3505 OLSEN BLVD, SUITE 110
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ARCHITECT



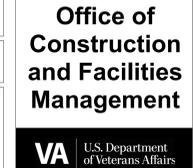
APPROVED: DIRECTOR
APPROVED: ASSOCIATE DIRECTOR
APPROVED: ASSISTANT DIRECTOR
APPROVED: CHIEF ENGINEER

Drawing Title COVER SHEET
APPROVED: CHIEF ENGINEER

Project Title REPLACE ELEVATOR CONTROLS BLDG 28
Location AMARILLO VA HEALTH CARE SYSTEM 6010 W. AMARILLO BLVD, AMARILLO, TX 79106
Date 12/19/2018
Checked JEH
Drawn ZDL

Project Number 504-18-107
Building Number 28
Drawing Number G-000
Dwg 01 OF 08

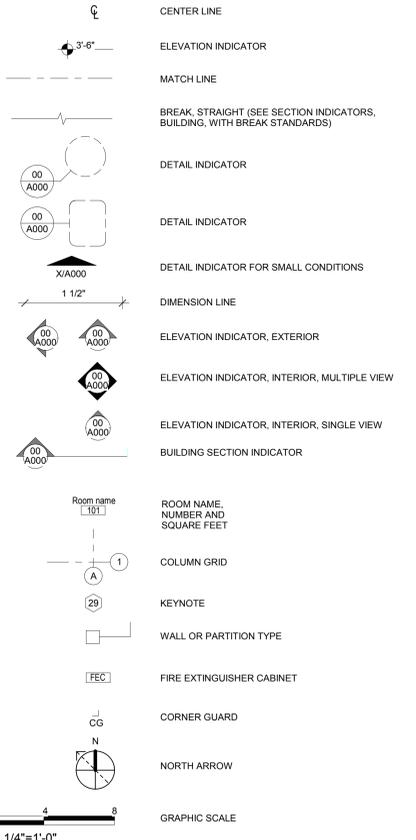
100% CONSTRUCTION DOCUMENTS



Scale indicators: three eighths inch = 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.

	CONCRETE/PRECAST CONCRETE		FIBERGLASS BATT INSULATION		GYP/SM BOARD
	SOL		FIBERGLASS SEMI RIGID INSULATION		EXTERIOR GYP/SM SHEATHING
	SAND EFF'S FINISH COAT, OR CEMENT PLASTER		MINERAL WOOL SEMI RIGID INSULATION		EXTERIOR CEMENT BOARD
	BRICK		EXPANDED POLYSTYRENE RIGID INSULATION		COATED GLASS MAT WATER RESISTANT GYP BD
	CMU		EXTRUDED POLYSTYRENE RIGID INSULATION		PLYWOOD
	STONE		POLYISOCYANURATE RIGID INSULATION		COVER BOARD

MATERIALS LEGEND



NOT USED

PURPOSE: THE PUBLIC BUILDINGS AMENDMENT ACT OF 1988, PUBLIC LAW (PUB. L.) 100-678 REQUIRES FEDERAL AGENCIES TO FOLLOW NATIONAL RECOGNIZED "MODEL" BUILDING CODES. THE FEDERAL PARTICIPATION IN THE DEVELOPMENT AND USE OF VOLUNTARY STANDARDS, OFFICE OF MANAGEMENT AND BUDGET (OMB) CIRCULAR A-119, REQUIRES ALL EXECUTIVE AGENCIES TO RELY ON VOLUNTARY STANDARDS, BOTH DOMESTIC AND INTERNATIONAL, WHENEVER FEASIBLE, AND TO PARTICIPATE IN VOLUNTARY STANDARD BODIES.

GENERAL: VA HAS ADOPTED THE LATEST EDITION OF THE FOLLOWING CODES AND STANDARDS AS A MINIMUM FOR ALL PROJECTS PERFORMED IN THE MODERNIZATION, ALTERATION, ADDITION, OR IMPROVEMENT OF ITS REAL PROPERTY AND THE CONSTRUCTION OF NEW STRUCTURES. VA DESIGN MANUALS AND MASTER SPECIFICATIONS SPECIFY OTHER CODES AND STANDARDS THAT VA FOLLOWS ON ITS PROJECTS.

- VA DIRECTIVES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA NATIONAL CAD STANDARD APPLICATION GUIDE, AND OTHER GUIDANCE ON THE TECHNICAL INFORMATION LIBRARY (TIL) (<http://www.cfm.va.gov/til/>).
- INTERNATIONAL BUILDING CODE (IBC) (ONLY WHEN SPECIFICALLY REFERENCED IN VA DESIGN DOCUMENTS, SEE NOTES BELOW)
- NFPA 101 LIFE SAFETY CODE (SEE NOTES BELOW)
- NFPA NATIONAL FIRE CODES WITH THE EXCEPTION OF NFPA 5000 AND NFPA 900
- OCCUPATIONAL, SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS.
- VA SEISMIC DESIGN REQUIREMENTS, H-18-8
- NATIONAL ELECTRICAL CODE (NEC)
- INTERNATIONAL PLUMBING CODE (IPC)
- SAFETY CODE FOR ELEVATORS AND ESCALATORS, AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) A 17.1.
- ASME BOILER AND PRESSURE VESSEL CODE
- ASME CODE FOR PRESSURE PIPING
- ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARDS (AABA) INCLUDING VA SUPPLEMENT, BARRIER FREE DESIGN GUIDE (PG-18-13)
- BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AMERICAN CONCRETE INSTITUTE AND COMMENTARY (ACI 318)
- MANUAL OF STEEL CONSTRUCTION, LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
- ENERGY POLICY ACT OF 2005 (EPACT)
- DOE INTERIM FINAL RULE: ENERGY CONSERVATION STANDARDS FOR NEW FEDERAL, COMMERCIAL AND MULTI-FAMILY HIGH-RISE RESIDENTIAL BUILDINGS AND NEW LOW-RISE RESIDENTIAL BUILDINGS, 10 CFR PARTS 433, 434 AND 435.
- FEDERAL LEADERSHIP IN HIGH PERFORMANCE AND SUSTAINABLE BUILDINGS: MEMORANDUM OF UNDERSTANDING (MOU)
- EXECUTIVE ORDER 13423: STRENGTHENING FEDERAL ENVIRONMENTAL, ENERGY, AND TRANSPORTATION MANAGEMENT.
- THE PROVISIONS FOR CONSTRUCTION AND SAFETY SIGNS, STATED IN THE GENERAL REQUIREMENTS SECTION 01.00.00 OF THE VA MASTER CONSTRUCTION SPECIFICATION.
- VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY - ASHRAE STANDARD 62.1-2004.
- SAFETY STANDARD FOR REFRIGERATION SYSTEMS - ASHRAE STANDARD 15 - 2007.

LOCAL CODES: AS AN AGENCY OF THE FEDERAL GOVERNMENT, VA IS NOT SUBJECT TO LOCAL IMPOSITION OF CODE ENFORCEMENT PROCEDURES (DRAWING REVIEWS, BUILDING PERMITS, INSPECTIONS, FEES, ETC.). VA MUST FUNCTION AS THE AUTHORITY HAVING JURISDICTION (AHJ) AND THIS HAS THE RESPONSIBILITY TO GUARD PUBLIC HEALTH AND SAFETY THROUGH ENFORCING ITS ADOPTED CODES. HOWEVER, LOCAL AUTHORITIES SHOULD BE NOTIFIED ABOUT PLANNED PROJECTS AND GIVEN OPPORTUNITY TO REVIEW DRAWINGS PROVIDED THAT VA DOES NOT PAY FOR REVIEW OR INSPECTION FEES.

NOTES:

- NFPA 101 PRIMARILY ADDRESSES LIFE SAFETY AND FIRE PROTECTION FEATURES WHILE THE IBC ADDRESSES A WIDE RANGE OF CONSIDERATIONS INCLUDING, BUT NOT LIMITED TO, STRUCTURAL STRENGTH, SEISMIC STABILITY, SANITATION, ADEQUATE LIGHT AND VENTILATION, AND ENERGY CONSERVATION. VA BUILDINGS MUST MEET THE REQUIREMENTS OF NFPA 101 AND DOCUMENTS REFERENCED BY NFPA 101 IN ORDER TO COMPLY WITH THE ACCREDITATION REQUIREMENTS OF THE JOINT COMMISSION. THEREFORE, DESIGNS SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF NFPA 101 AND DOCUMENTS REFERENCED THEREIN. DESIGN FEATURES NOT ADDRESSED BY NFPA 101 OR DOCUMENTS REFERENCED THEREIN SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE IBC OR AS OTHERWISE ADDRESSED ABOVE IN THIS PROGRAM GUIDE. FOR DESIGN FEATURES THAT ARE ADDRESSED BY BOTH THE IBC AS WELL AS NFPA 101 OR A DOCUMENT REFERENCED BY NFPA 101, THE REQUIREMENTS OF NFPA 101 OR THE DOCUMENT REFERENCED BY NFPA 101 SHALL BE USED EXCLUSIVELY (THIS APPLIES EVEN IF THE IBC REQUIREMENTS ARE DIFFERENT).
- CONFLICTS BETWEEN NATIONALLY RECOGNIZED CODES AND STANDARDS AND VA REQUIREMENTS - SHOULD A CONFLICT EXIST BETWEEN VA REQUIREMENTS AND VA ADOPTED NATIONALLY RECOGNIZED CODES AND STANDARDS, THE CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF VA. THE RESOLUTION OF THE CONFLICT SHALL BE MADE BY THE AUTHORITY HAVING JURISDICTION FOR VA TO ENSURE A CONSISTENCY SYSTEM WIDE.

REQUIRED INFECTION CONTROL PRECAUTIONS - CLASS IV

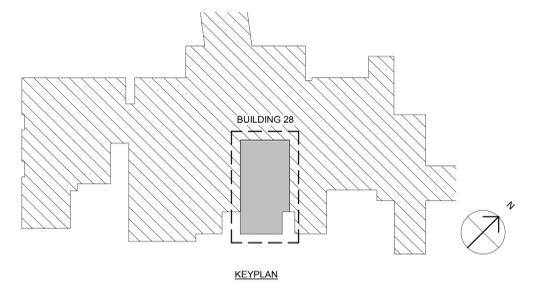
- DURING CONSTRUCTION PROJECT**
- ISOLATE HVAC SYSTEM IN AREA WHERE WORK IS BEING DONE TO PREVENT CONTAMINATION OF DUCT SYSTEM.
 - COMPLETE ALL CRITICAL BARRIERS I.E. SHEET ROCK, PLYWOOD, PLASTIC, TO SEAL AREA FROM NON-WORK AREA OR IMPLEMENT CONTROL CUBE METHOD (GART WITH PLASTIC COVERING AND SEALED CONNECTION TO WORK SITE WITH HEPA VACUUM FOR VACUUMING PRIOR TO EXIT) BEFORE CONSTRUCTION BEGINS.
 - MAINTAIN NEGATIVE AIR PRESSURE WITHIN WORK SITE UTILIZING HEPA EQUIPPED AIR FILTRATION UNITS.
 - SEAL HOLES, PIPES, CONDUITS, AND PUNCTURES APPROPRIATELY.
 - CONSTRUCT ANTEROOM AND REQUIRE ALL PERSONNEL TO PASS THROUGH THIS ROOM SO THEY CAN BE VACUUMED USING A HEPA VACUUM CLEANER BEFORE LEAVING WORK SITE OR THEY CAN WEAR CLOTH OR PAPER COVERALLS THAT ARE REMOVED EACH TIME THEY LEAVE THE WORK SITE.
 - ALL PERSONNEL ENTERING WORK SITE ARE REQUIRED TO WEAR SHOE COVERS. SHOE COVERS MUST BE CHANGED EACH TIME THE WORKER EXITS THE WORK AREA.
 - DO NOT REMOVE BARRIERS FROM WORK AREA UNTIL COMPLETED PROJECT IS INSPECTED. ADVANCE SAFETY OFFICER AND INFECTION CONTROL COORDINATOR AND THOROUGHLY CLEANED BY THE ENVIRONMENTAL MANAGEMENT SERVICES.

UPON COMPLETION OF EACH PHASE AND PROJECT

- REMOVE BARRIER MATERIAL CAREFULLY TO MINIMIZE SPREADING OF DIRT AND DEBRIS ASSOCIATED WITH CONSTRUCTION.
- CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINERS.
- COVER TRANSPORT RECEPTACLES OR CARTS. TAPE COVERING UNLESS SOLID LID.
- VACUUM WORK AREA WITH HEPA FILTERED VACUUMS.
- WET MOP AREA WITH DISINFECTANT.
- REMOVE ISOLATION OF HVAC.

- DRAWINGS TO BE TAKEN AS PART OF A COMPLETE DOCUMENTS SET. CONTRACTOR TO CONFIRM ALL ITEMS REQUIRED TO BE DEMOLISHED AND EXTENT OF DEMOLITION BASED UPON THE OVERALL DESIGN INTENT OF THE ENTIRE DOCUMENT SET.
- VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY DEMOLITION WORK TO CONFIRM ACCURACY IN DRAWINGS. REPORT ANY DISCREPANCIES TO COR. DO NOT SCALE THE DRAWINGS. FIELD VERIFY ALL DIMENSIONS AND EXISTING STRUCTURAL CONDITIONS.
- ALL AREAS NOT INVOLVED IN THE SCOPE OF WORK FOR THIS PROJECT SHALL BE KEPT CLEAN AND FREE OF OBSTRUCTIONS AT ALL TIMES. ERECT BARRICADES AND WARNING SIGNS TO DIVERT AND WARN PASSERS-BY OF THE CONSTRUCTION WORK. PROVIDE DUST PROOFING ENCLOSURES TO SEPARATE WORK AREAS FROM THE EXISTING FACILITIES.
- ALL MATERIALS DEVELOPED AND ACCUMULATED DURING DEMOLITION, UNLESS OTHERWISE NOTED TO BE REUSED, SALVAGED, OR TURNED OVER TO THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTORS AND RECYCLED OR DISPOSED OF OFF-SITE. REMOVAL OF TRASH AND DEBRIS SHALL BE IN WHEELED CONTAINER THAT IS COVERED TO PREVENT AIRBORNE DUST/DIRT PARTICLES FROM TRANSFERRING INTO THE EXISTING HOSPITAL ALONG THE PATH OF REMOVAL. ALL TRASH AND DEBRIS TO BE REMOVED ON A DAILY BASIS.
- DURING DEMOLITION, PROVIDE PROTECTION FOR ALL EXISTING SURFACES AND CONDITIONS TO REMAIN IN PLACE DURING THE RENOVATION WORK. SHOULD ANY DAMAGE OCCUR, PATCH AND REPAIR ANY DAMAGE TO ADJACENT FINISHED TO MATCH EXISTING.
- ANY DAMAGE CAUSED TO THE BUILDING OR OWNER EQUIPMENT SHALL BE REPAIRED OR REPLACED BACK TO ITS ORIGINAL CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
- COVER ALL RETURN AIR GRILLS WITHIN THE AREA OF CONSTRUCTION TO PREVENT PARTICULATE MATERIAL FROM EXHAUSTING INTO SURROUNDING SPACES.
- REMOVAL OF MECHANICAL, ELECTRICAL AND PLUMBING SHOULD BE LIMITED TO WHAT IS NECESSARY FOR SAFE REMOVAL OF THE INDICATED WALL OR CEILING. APPROPRIATE LIGHT FIXTURES SHALL BE TEMPORARILY SUSPENDED TO PROVIDE ADEQUATE LIGHTING LEVELS FOR CONSTRUCTION.
- CONTRACTOR TO DEMO ALL FIXTURES, CEILINGS, MECHANICAL, PLUMBING AND ELECTRICAL AS REQUIRED TO COMPLETE THE SCOPE OF WORK OUTLINED WITHIN THE CONSTRUCTION.
- REPORT ANY MISSING OR DAMAGED FIREPROOFING TO THE COR.

GENERAL NOTES



AREA KEY PLAN

ADD ALTERNATES

- ADD ALTERNATE #1 - RENOVATE AND MODERNIZE ELEVATOR CAB SPACE WITH STAINLESS STEEL FINISHES AND LVT FLOORING. TO INCLUDE NEW BUTTON PANELS, LIGHTING, CEILING, WALLS, RAILS, FLOOR, AND OTHER TRIM.
- ADD ALTERNATE #2 - RENOVATE AND MODERNIZE ELEVATOR DOORS AND ENTRY WAYS IN LOBBIES 1A, 2A, 3A AND 4A AS INDICATED ON THE PLANS. TO INCLUDE NEW STAINLESS STEEL DOORS, AND STAINLESS STEEL JAMB AND HEAD TRIM TO MATCH.
- ADD ALTERNATE #3 - RENOVATE AND MODERNIZE ELEVATOR DOORS AND ENTRY WAYS IN LOBBIES 1B, 2B, 3B AND CART REC 4276 AS INDICATED ON THE PLANS. TO INCLUDE NEW STAINLESS STEEL DOORS, AND STAINLESS STEEL JAMB AND HEAD TRIM TO MATCH.
- ADD ALTERNATE #4 - REMOVE AND REPLACE EXISTING WALL FINISH AT SHAFT WALL SURROUNDING ELEVATOR DOORS IN LOBBIES 1A, 2A, 3A AND 4A AS INDICATED ON THE PLANS. TO INCLUDE THE REMOVAL OF EXISTING WALL FINISH MATERIAL AND INSTALLATION OF NEW WALL TILE.
- ADD ALTERNATE #5 - REMOVE AND REPLACE EXISTING WALL FINISH AT SHAFT WALL SURROUNDING ELEVATOR DOORS IN LOBBIES 1B, 2B, 3B AND CART REC 4276 AS INDICATED ON THE PLANS. TO INCLUDE THE REMOVAL OF EXISTING WALL FINISH MATERIAL AND INSTALLATION OF NEW WALL TILE.

SYMBOLS LEGEND

ACS DR	ACCESS DOOR	CD	CONSTRUCTION DOCUMENTS OR CONTRACT DOCUMENTS	DL	DEAD LOAD	FLSHG	FLASHING	HS	HEAT-STRENGTHENED (GLASS) OR HIGH STRENGTH	MS	MACHINE SCREW OR MOP SINK	QA	QUALITY ASSURANCE
ACS PNL	ACCESS PANEL	CEM	CEMENT	DR	DR OR DRAIN	FLR	FLOOR	HT	HEIGHT	MTD	MOUNTED	QC	QUALITY CONTROL
ACST	ACOUSTIC	CER	CERAMIC	DR FR	DROR FRAME	FLR FIN	FLOOR FINISH	ID	INSIDE DIAMETER	MTL	METAL	QY	QUANTITY
ACT	ACOUSTICAL CEILING TILE	CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	DR OPNG	DROR OPENING	FLR SK	FLOOR SINK	INSUL	INSULATION	MULL	MULLION	QVAL	QUALITY
AD	AREA DRAIN	CFDI	OWNER INSTALLED	DS	DOWNSPOUT	FLUR FIX	FLOOR FIXTURE	INT	INTERIOR	MW	MICROWAVE	R	RADIUS OR RISER
ADA	AMERICANS WITH DISABILITIES	CFMF	COLD-FORMED METAL FRAMING	EA	EACH	FO	FINISHED OPENING	KPL	KICKPLATE	NC	NOISE CRITERIA	RB	RUBBER BASE
ADC	AUTOMATIC DOOR CLOSER	CG	CORNER GUARD	EJ	EXPANSION JOINT	FOC	FACE OF CONCRETE	NCMBL	NONCOMBUSTIBLE	NC	NUMBER	RB HK	RUBBER HOOK
ADH	ADHESIVE	CHFR	CHAMFER	ELEC	ELECTRIC	FOF	FACE OF FINISH	NO	NOT IN CONTRACT	NOM	NOMINAL	RBR	RUBBER
ADMIN	ADMINISTRATION	CJ	CONSTRUCTION JOINT OR CONTROL JOINT	ELEV	ELEVATOR OR ELEVATION	FOM	FACE OF MASONRY	NR	NOISE REDUCTION	NR	NOISE REDUCTION COEFFICIENT	RCP	REFLECTED CEILING PLAN
ADB	AUTOMATIC DOOR BOTTOM	EQ	EQUAL	EQ	EQUALLY SPACED	FOS	FACE OF SLAB OR FACE OF STUD	OC	ON CENTER	OC	ON CENTER	REC	RECESSED
AFC	ABOVE FINISHED COUNTER	EQG	EQUALLY SPACED	EQD	EQUIVALENT	FR	FIRE PROTECTION OR FIREPROOF	OIO	OUT TO OUT	OC	OUT TO OUT	RECTP	RECEPTACLE
AFB	ABOVE FINISHED FLOOR	EQV	EQUIV	ESC	ESCUTCHEON	FRM	FIRE RATING, FIRE RESISTANCE, OR FRAME	OA	OUTSIDE AIR OR OVERALL	OC	OUTSIDE AIR OR OVERALL	RECT	RECTANGLE
AFS	ABOVE FINISHED SLAB	ES	ELECTRIC	EW	ELECTRIC WATER COOLER	FRP	FIBER REINFORCED POLYESTER OR FIBER REINFORCED PLASTIC	OD	OUTSIDE DIMENSION OR	OC	ON CENTER	REF	REFERENCE OR REFRIGERATOR
ALUM	ALUMINUM	FT	FURRING	EW	ELECTRIC WATER COOLER	FUR	FURRING	OD	OUTSIDE DIMENSION OR	OC	ON CENTER	REIN	REINFORCE
AR	AS REQUIRED	FUR	FURNISH OR FURNITURE	EX	EXISTING	FURNG	FURNISH OR FURNITURE	OD	OUTSIDE DIMENSION OR	OC	ON CENTER	REQD	REQUIRED
ASB	ASBESTOS	FV	FIELD VERIFY	EX	EXPANSION OR EXPOSED	FURNG	FURNISH OR FURNITURE	OD	OUTSIDE DIMENSION OR	OC	ON CENTER	RESIL	RESILIENT
AWT	ACOUSTICAL WALL TREATMENT	FWC	FABRIC WALLCOVERING	EXT	EXTINGUISHER	FURNG	FURNISH OR FURNITURE	OD	OUTSIDE DIMENSION OR	OC	ON CENTER	RET	RETURN
BAT	BATTEN	GA	GAGE	EXT	EXTINGUISHER	FURNG	FURNISH OR FURNITURE	OD	OUTSIDE DIMENSION OR	OC	ON CENTER	REV	REVISION
BEV	BEVEL	GB	GALVANIC OR GALVANIZED	EXT	EXTINGUISHER	FURNG	FURNISH OR FURNITURE	OD	OUTSIDE DIMENSION OR	OC	ON CENTER	RM	ROOM
BLKT	BLANKET	GD	GUARD	EXT	EXTINGUISHER	FURNG	FURNISH OR FURNITURE	OD	OUTSIDE DIMENSION OR	OC	ON CENTER	RO	ROUGH OPENING
BM	BEAM OR BENCHMARK	GL	GLASS	EXT	EXTINGUISHER	FURNG	FURNISH OR FURNITURE	OD	OUTSIDE DIMENSION OR	OC	ON CENTER	RV	ROUGH VENT
BRG	BEARING	GR	GROUT	EXT	EXTINGUISHER	FURNG	FURNISH OR FURNITURE	OD	OUTSIDE DIMENSION OR	OC	ON CENTER	SAT	SUSPENDED ACOUSTICAL TILE
BRG PL	BEARING PLATE	GT	GYP BD	EXT	EXTINGUISHER	FURNG	FURNISH OR FURNITURE	OD	OUTSIDE DIMENSION OR	OC	ON CENTER	SCHED	SCHEDULE
BRKT	BRACKET	H	H PLAM	EXT	EXTINGUISHER	FURNG	FURNISH OR FURNITURE	OD	OUTSIDE DIMENSION OR	OC	ON CENTER	SCWD	SOLID CORE WOOD DOOR
BTWN	BETWEEN	HD	HORIZONTAL	EXT	EXTINGUISHER	FURNG	FURNISH OR FURNITURE	OD	OUTSIDE DIMENSION OR	OC	ON CENTER	SHT	SHEET
C TO C	CENTER TO CENTER	HR	HORIZONTAL	EXT	EXTINGUISHER	FURNG	FURNISH OR FURNITURE	OD	OUTSIDE DIMENSION OR	OC	ON CENTER	SHT	SHEET
CAB	CABINET	HT	HORIZONTAL	EXT	EXTINGUISHER	FURNG	FURNISH OR FURNITURE	OD	OUTSIDE DIMENSION OR	OC	ON CENTER	SHV	SHELVING
CAC	CEILING ATTENTION CLASS	HT	HORIZONTAL	EXT	EXTINGUISHER	FURNG	FURNISH OR FURNITURE	OD	OUTSIDE DIMENSION OR	OC	ON CENTER	SHV	SHELVING
CB	CORNER BEAD	HT	HORIZONTAL	EXT	EXTINGUISHER	FURNG	FURNISH OR FURNITURE	OD	OUTSIDE DIMENSION OR	OC	ON CENTER	SHV	SHELVING
CCB	CEMENTITIOUS BACKER BOARD	HT	HORIZONTAL	EXT	EXTINGUISHER	FURNG	FURNISH OR FURNITURE	OD	OUTSIDE DIMENSION OR	OC	ON CENTER	SHV	SHELVING
CCTV	CLOSED CIRCUIT TELEVISION	HT	HORIZONTAL	EXT	EXTINGUISHER	FURNG	FURNISH OR FURNITURE	OD	OUTSIDE DIMENSION OR	OC	ON CENTER	SHV	SHELVING

CODES, STANDARDS, AND EXECUTIVE ORDERS

ARCHITECTURAL ABBREVIATIONS

100% CONSTRUCTION DOCUMENTS

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APPROVED: DIRECTOR

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APPROVED: ASSISTANT DIRECTOR

APPROVED: CHIEF ENGINEER

GENERAL INFORMATION

APPROVED: CHIEF ENGINEER

REPLACE ELEVATOR CONTROLS BLDG 28

AMARILLO VA HEALTH CARE SYSTEM
6010 W. AMARILLO BLVD, AMARILLO, TX 79106

Date: 12/19/2018
Checked: JEH
Drawn: EOC

Project Number: 504-18-107

Building Number: 28

Drawing Number: G-001

Dwg 02 OF 08

Office of Construction and Facilities Management



NFPA 101-2015 EDITION

BUILDING IS EQUIPPED WITH A FULLY AUTOMATIC FIRE SPRINKLER SYSTEM THROUGHOUT - TO MEET NFPA 13 REQUIREMENTS

CONSTRUCTION TYPE: TYPE II (222) (TABLE A.8.2.1.2)

FIRE RESISTANCE RATINGS (TABLE A.8.2.1.2):

- COLUMN: 2 HR
- BEAMS, GIRDERS, TRUSSES: 2 HR
- FLOOR/CEILING ASSEMBLIES: 2 HR
- ROOF/CEILING ASSEMBLIES: 1 HR
- EXTERIOR NON-BEARING WALLS: 0 HR (>30' FROM ADJ. BLDG.)
- INTERIOR NON-BEARING WALLS: 0 HR
- SHAFTS - MINIMUM 1/2-HOUR RATING [8.6.5 (3)]

FIRE-RESISTIVE REQUIREMENTS:

- NON COMBUSTIBLE MATERIALS FOR STRUCTURAL FRAME, FLOORS, ROOF DECK, EXTERIOR NON-BEARING WALLS, INTERIOR NON-BEARING WALLS (U.N.O. AT EXTERIOR)

CHAPTER 19: EXISTING HEALTH CARE OCCUPANCY

DEAD END CORRIDOR MAXIMUM DISTANCE: 50' (21.2.5.2)
 MAXIMUM COMMON PATH OF TRAVEL: 100' (21.2.5.3.1)
 MAXIMUM TRAVEL DISTANCE: 200' (21.2.6.2.2)

EGRESS WIDTH PER OCCUPANT (IBC 2015)

MINIMUM STAIR WIDTH = 44 INCHES (IBC 1011.2)
 MINIMUM CORRIDOR WIDTH = 72 INCHES (IBC TABLE 1020.2)
 MINIMUM EGRESS WIDTH THROUGH DOOR = 32 INCHES (IBC 1010.1.1)

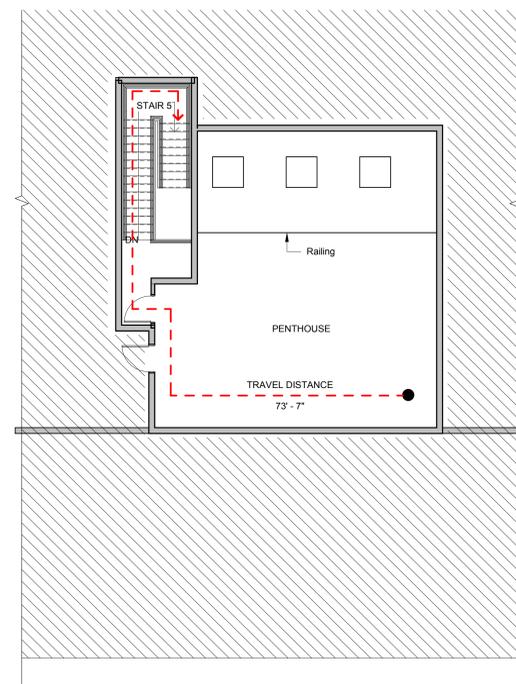
ALL EXIT DOORS PROVIDED ARE 36" LEAF MINIMUM YIELDING 34" CLEAR

- EXIT WIDTH
- 0.15"/PERSON (IBC 2015 1005.3.2, EXCEPTION 1) ALLOWS 226 OCCUPANT LOAD PER DOOR MAX.

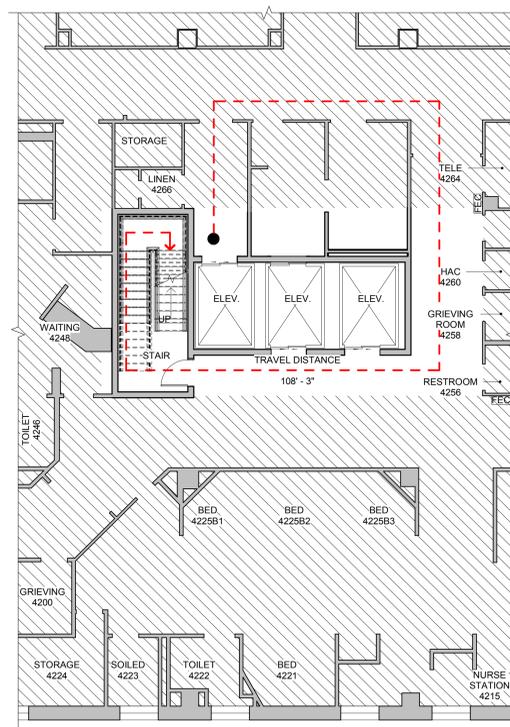
FIRE ALARM SYSTEM:
 • REQUIRED/PROVIDED MANUAL SYSTEM.

LIFE SAFETY LEGEND

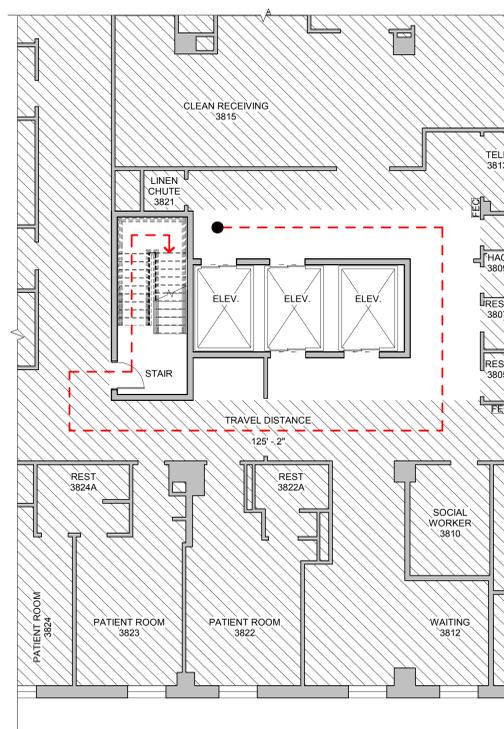
- AREA NOT IN SCOPE
- BUILDING EXIT
- FIRE EXTINGUISHER CABINET (EXISTING)
- PATH OF EGRESS



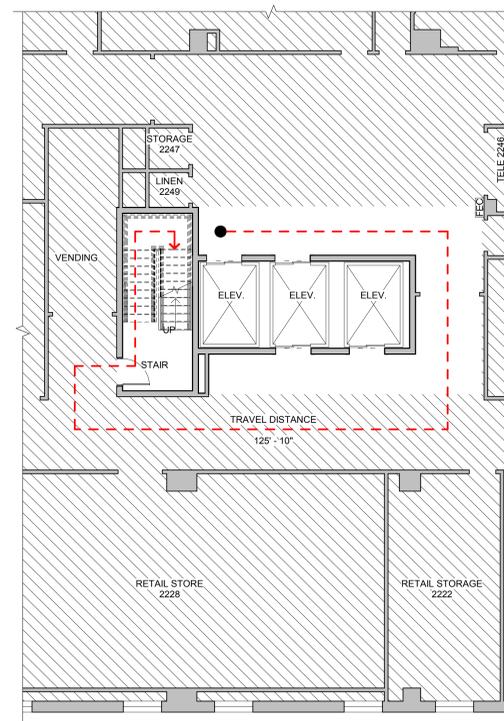
5 FLOOR PLAN - PENTHOUSE
 1/8" = 1'-0"



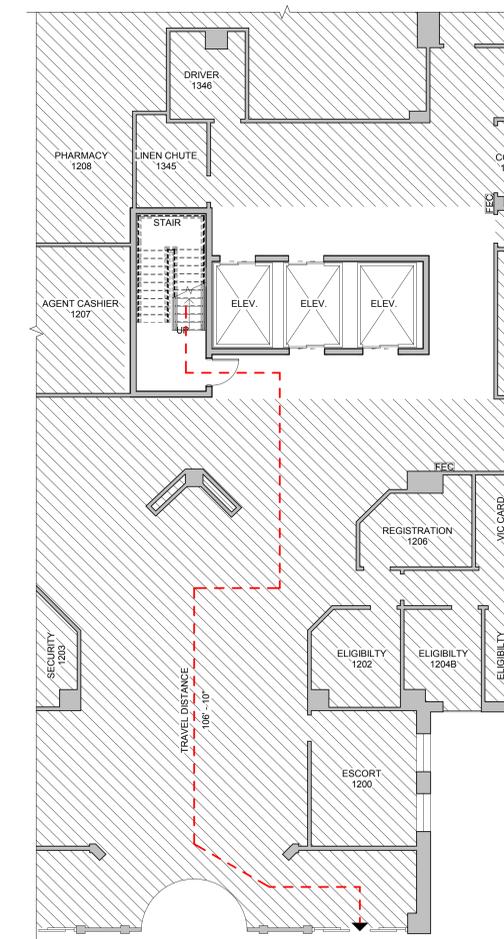
4 LIFE SAFETY PLAN - FOURTH FLOOR
 1/8" = 1'-0"



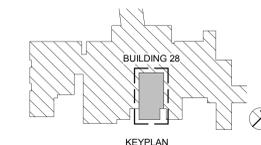
3 LIFE SAFETY PLAN - THIRD FLOOR
 1/8" = 1'-0"



2 LIFE SAFETY PLAN - SECOND FLOOR
 1/8" = 1'-0"



1 FLOOR PLAN - FIRST FLOOR
 1/8" = 1'-0"



100% CONSTRUCTION DOCUMENTS

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Drawing Title

LIFE SAFETY PLAN

APPROVED: CHIEF ENGINEER

Project Title

REPLACE ELEVATOR
 CONTROLS BLDG 28

Location
 AMARILLO VA HEALTH CARE SYSTEM
 6010 W. AMARILLO BLVD, AMARILLO, TX 79106

Date

12/19/2018

Checked

JEH

Drawn

EOC

Project Number

504-18-107

Building Number

28

Drawing Number

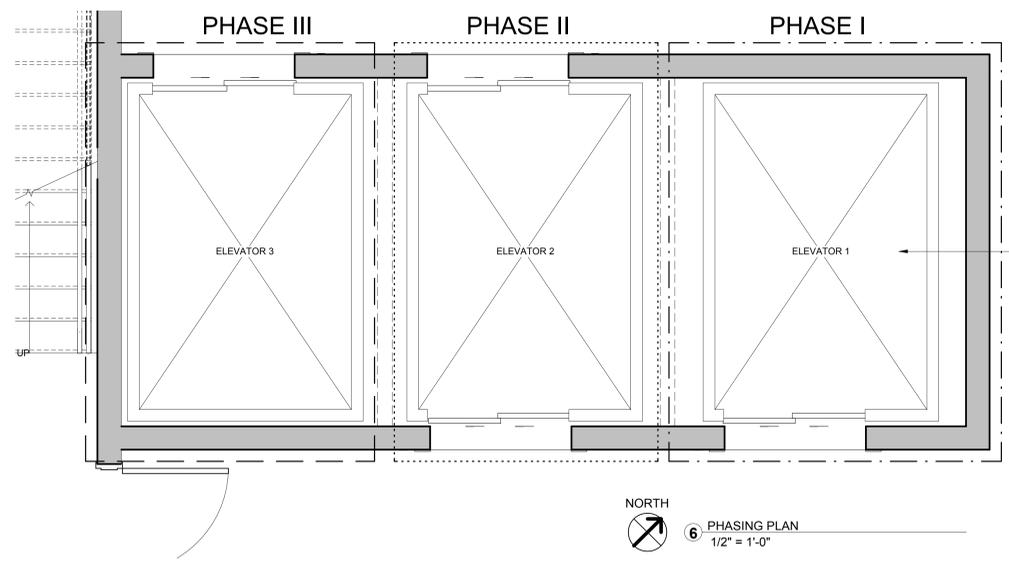
G-011

Dwg 03 OF 08

Office of
 Construction
 and Facilities
 Management

VA U.S. Department
 of Veterans Affairs

three eighths inch = 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 NOTES

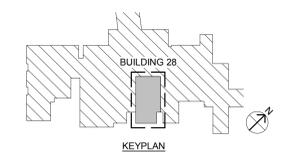
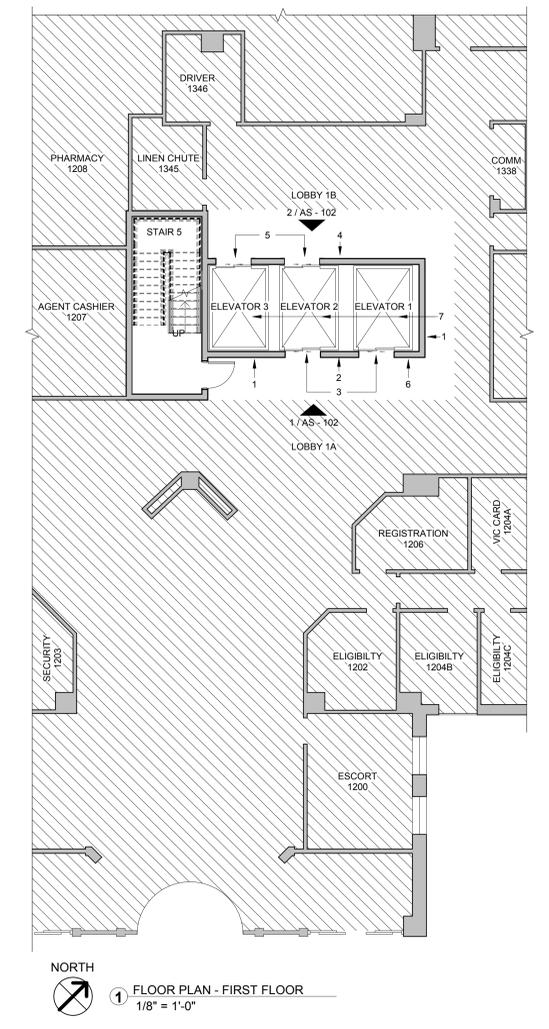
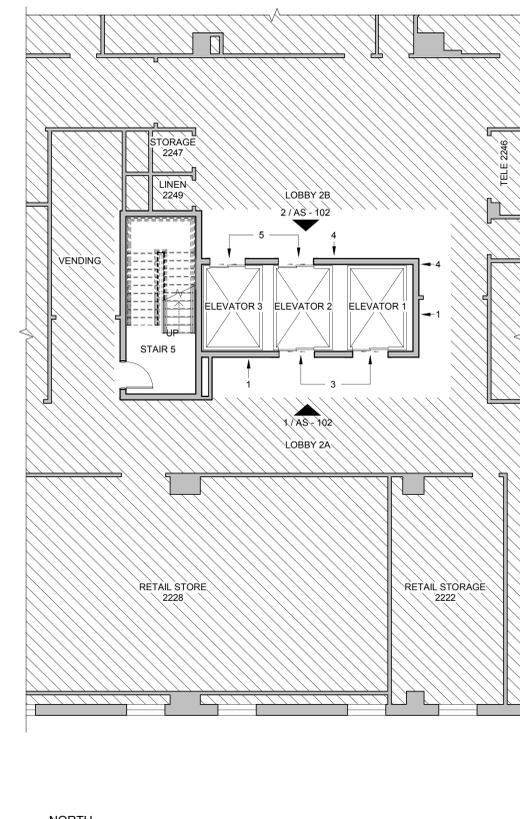
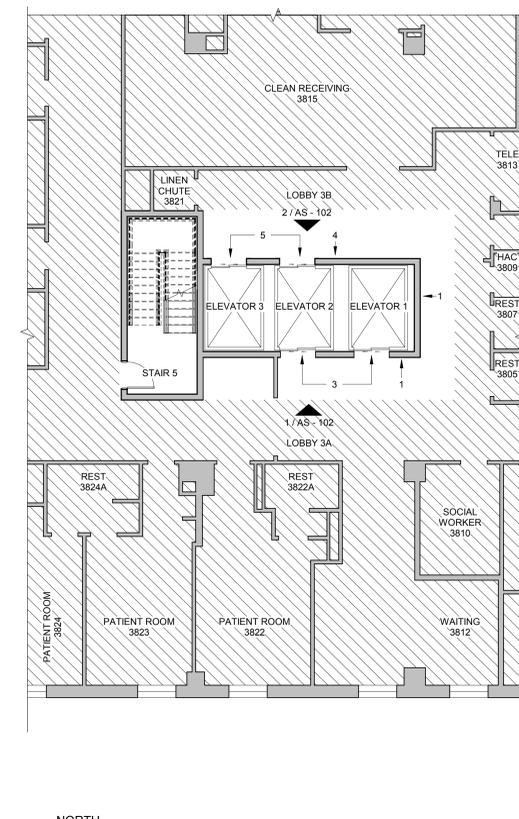
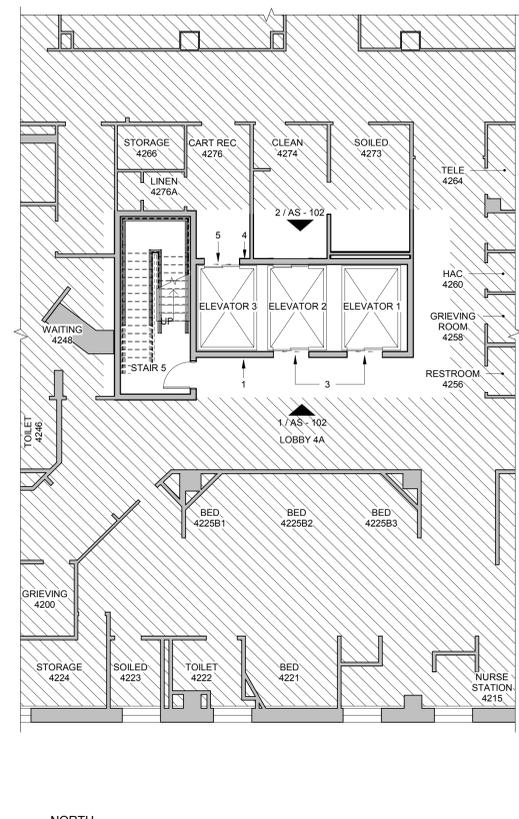
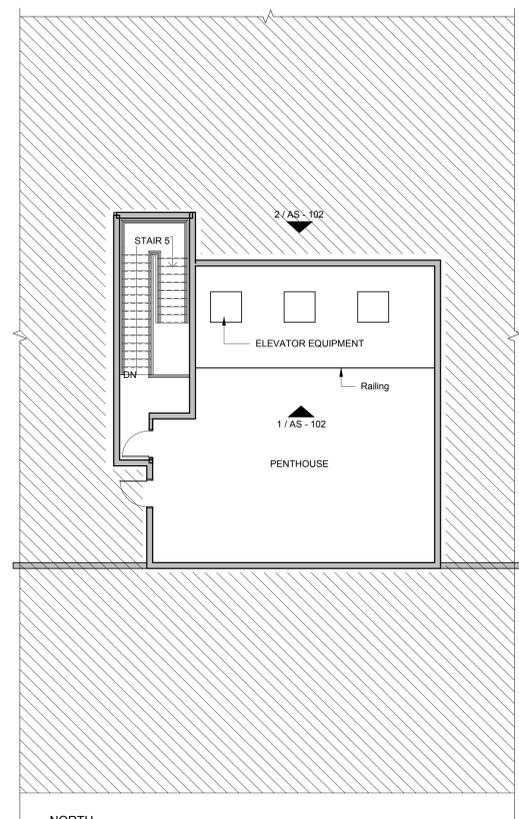
1. PHASE 1 TO INCLUDE ALL MODIFICATIONS WITHIN AND CONCERNING ELEVATOR #1 REFER GENERAL, MECHANICAL AND ELECTRICAL SPECIFICATIONS.
2. PHASE 2 TO INCLUDE ALL MODIFICATIONS WITHIN AND CONCERNING ELEVATOR #2 REFER GENERAL, MECHANICAL AND ELECTRICAL SPECIFICATIONS.
3. PHASE 3 TO INCLUDE ALL MODIFICATIONS WITHIN AND CONCERNING ELEVATOR #3 REFER GENERAL, MECHANICAL AND ELECTRICAL SPECIFICATIONS.
4. REFER TO FINISH SCHEDULE ON SHEET AS-102 FOR WALL AND ELEVATOR FINISHES.
5. LEAVE CLEAR ACCESS TO ITEMS IN ADJACENT PHASES DURING CONSTRUCTION.
6. LEAVE CLEAR EXIT WAY ACCESS DURING CONSTRUCTION.

DEMOLITION KEYED NOTES

- ① NEW GYPSUM WALL BOARD. (ADD ALTERNATE #4)
- ② NEW GYPSUM WALL BOARD.
- ③ REPLACE ELEVATOR DOOR, FRAME, AND SILL. (ADD ALTERNATE #2)
- ④ NEW GYPSUM WALL BOARD. (ADD ALTERNATE #5)
- ⑤ REPLACE ELEVATOR DOOR, FRAME, AND SILL. (ADD ALTERNATE #3)
- ⑥ RE-USE EXISTING TILE WALL BASE.
- ⑦ PREPARE TO RECEIVE NEW FINISH. (ADD ALTERNATE #1)

FLOOR PLAN - SCOPE OF WORK LEGEND

- AREA OF NO WORK
- PHASE 1
- PHASE 2
- PHASE 3



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Drawing Title

FLOOR PLANS

APPROVED: CHIEF ENGINEER

Project Title

REPLACE ELEVATOR CONTROLS BLDG 28

Location
 AMARILLO VA HEALTH CARE SYSTEM
 6010 W. AMARILLO BLVD, AMARILLO, TX 79106

Date
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 JEH

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 ZDL

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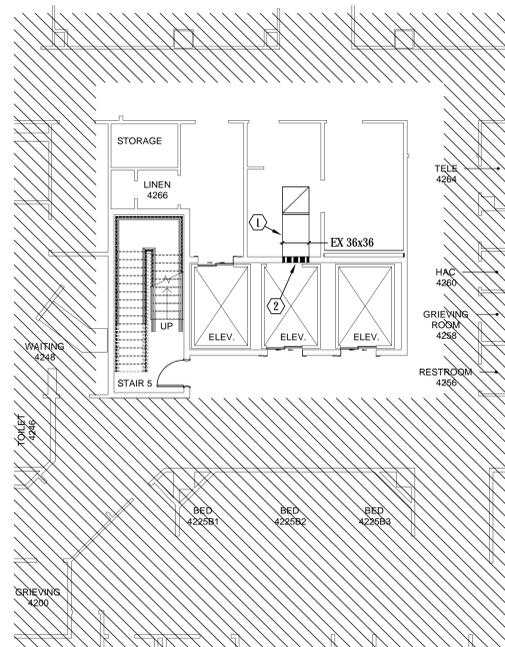
AS - 101

Dwg 05 OF 08

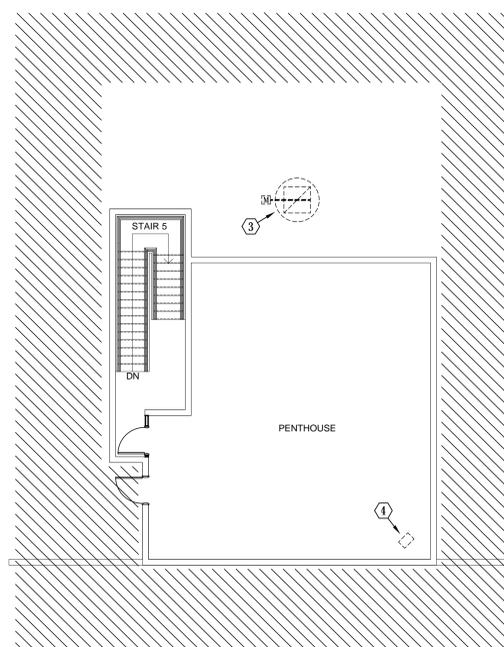
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Office of Construction and Facilities Management

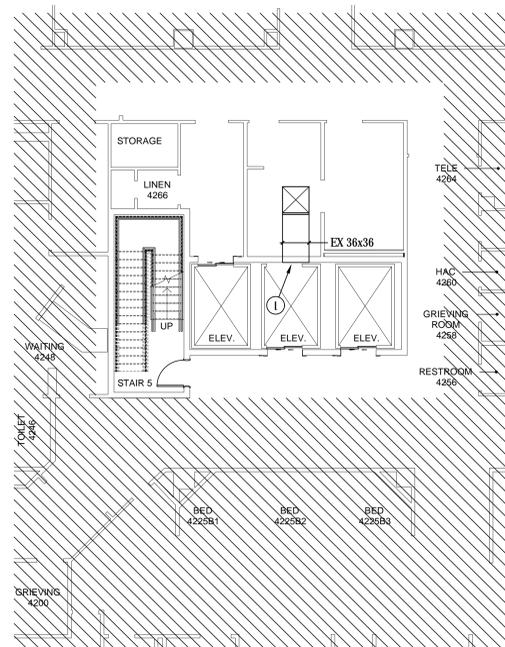




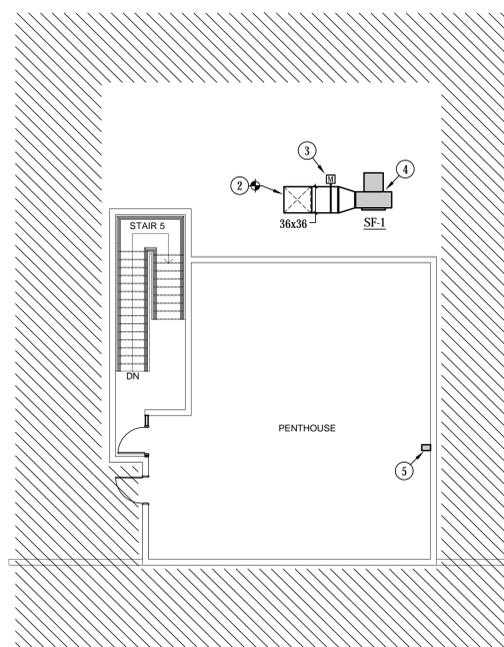
1 DEMOLITION FLOOR PLAN - FOURTH FLOOR
1/8" = 1'-0"



2 DEMOLITION FLOOR PLAN - PENTHOUSE
1/8" = 1'-0"



3 FLOOR PLAN - FOURTH FLOOR
1/8" = 1'-0"



4 FLOOR PLAN - PENTHOUSE
1/8" = 1'-0"

GENERAL NOTES:

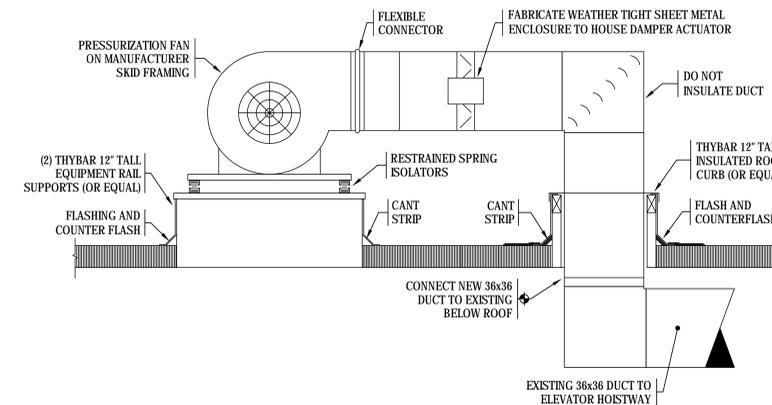
- COORDINATE ALL WORK WITH EXISTING GENERAL CONDITIONS, ARCHITECTURAL, STRUCTURAL, PLUMBING, FIRE PROTECTION, AND ELECTRICAL SYSTEMS.
- TEMPERATURE CONTROLS CONTRACTOR SHALL EXTEND THE EXISTING BUILDING EMCS AS REQUIRED TO SERVE NEW ELEVATOR HOISTWAY PRESSURIZATION SYSTEM.

DEMOLITION KEYED NOTES:

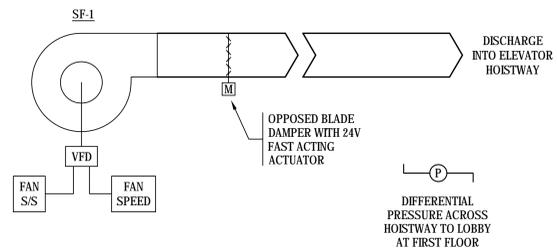
- EXISTING VENTILATION DUCT TO REMAIN.
- REMOVE EXISTING FIRE DAMPER SHOWN DASHED.
- REMOVE EXISTING VENTILATION HOOD AND ASSOCIATED MOTORIZED DAMPER SHOWN DASHED. REMOVE ASSOCIATED ROOF CURB. ASSOCIATED 36x36 DUCT TURNED UP TO REMAIN. CONTRACTOR TO DELIVER VENTILATION HOOD TO OWNER. COORDINATE DETAILS WITH VA PROJECT ENGINEER.
- REMOVE EXISTING ELECTRIC UNIT HEATER SHOWN DASHED.

KEYED NOTES:

- REPAIR DUCT THRU WALL AS REQUIRED FOR AIR TIGHT SEAL DUE TO REMOVAL OF FIRE DAMPER. REINSTALL EXISTING GRATE COVERING OPENING INTO ELEVATOR HOISTWAY. SEAL ALL EXISTING DUCT TO MEET CURRENT SMACNA STANDARDS.
- ROUTE NEW 36x36 ELEVATOR HOISTWAY PRESSURIZATION DUCT DOWN THRU ROOF AND CONNECT TO EXISTING AS SHOWN. REFER TO DETAIL 1 THIS SHEET.
- INSTALL MOTORIZED ISOLATION DAMPER IN ELEVATOR HOISTWAY PRESSURIZATION DUCT. FABRICATE WEATHER-TIGHT SHEET METAL ENCLOSURE TO HOUSE DAMPER ACTUATOR. DAMPER ACTUATOR SHALL BE NORMALLY CLOSED FAST ACTING TYPE. REFER TO SEQUENCE OF OPERATION THIS SHEET.
- MOUNT SUPPLY FAN ON EQUIPMENT SUPPORT RAILS AND RESTRAINED SPRING ISOLATORS. REFER TO DETAIL 1 THIS SHEET.
- MOUNT VARIABLE FREQUENCY DRIVE SERVING SF-1 ON WALL.



PRESSURIZATION FAN INSTALLATION DETAIL
NO SCALE



ELEVATOR HOISTWAY PRESSURIZATION SEQUENCE OF OPERATION

- SYSTEM CONSISTS OF:
- ROOF MOUNTED SUPPLY FAN WITH VARIABLE FREQUENCY DRIVE (VFD)
 - DUCT MOUNTED MOTORIZED CONTROL DAMPER

TEMPERATURE CONTROLS CONTRACTOR TO PROVIDE:

- EMCS CONTROLLER
- 24V DAMPER ACTUATOR
- DIFFERENTIAL PRESSURE SENSOR
- CURRENT TRANSDUCER

OPERATION:

- THE CONTROL DAMPER SHALL BE NORMALLY POWERED CLOSED.
- UPON SIGNAL FROM THE FIRE ALARM PANEL, THE CONTROL DAMPER SHALL SPRING RETURN OPEN AND A SIGNAL SHALL BE SENT TO THE VFD TO ENERGIZE THE FAN.
- THE VFD SHALL RAMP UP THE FAN SPEED TO MAINTAIN A POSITIVE PRESSURE IN THE ELEVATOR HOISTWAY OF 0.10" W.G. IN RELATION TO THE FIRST FLOOR LOBBY.
- ON LOSS OF SIGNAL FROM THE FIRE ALARM PANEL, THE FAN SHALL DE-ENERGIZE AND THE CONTROL DAMPER SHALL BE POWERED CLOSED.

MONITORING AND ALARMS:

- FAN STATUS
- AN ALARM SHALL BE GENERATED TO THE EMCS WHEN THE FAN IS RUNNING.

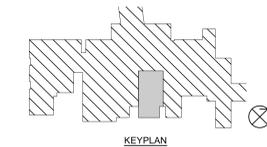
WORK BY OTHERS:

- DIVISION 26 TO PROVIDE POWER WIRING TO VFD AND TO FAN.

FAN SCHEDULE									
MARK	CFM	SP	HP	RPM	TYPE	ROTATION	DRIVE	ELECTRICAL	EXAMPLE: COOK
SF-1	12,000	0.75	5	1074	UTILITY VENT SET	CLOCKWISE	BELT	460/3/60	270 CPS

NOTES:

- FAN SELECTED AT ELEVATION OF 3600 FEET.
- PROVIDE FAN WITH FACTORY WIRED DISCONNECT, PREMIUM EFFICIENCY MOTOR, AND SHAFT SEAL.
- PROVIDE FAN WITH OSHA WEATHER COVER, STEEL ACCESS DOOR, SPIRAL INLET GUARD, AND STEEL DRAIN.
- PROVIDE FAN WITH HEAT SHIELD, EXTENDED LUBE LINES, AND ROTARY BELT TENSIONER.
- PROVIDE FAN WITH SPRING ISOLATORS (6).
- FAN SHALL BE UL LISTED FOR SMOKE CONTROL APPLICATION.



100% CONSTRUCTION DOCUMENTS

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December 19, 2018

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Drawing Title

MECHANICAL FLOOR PLANS

APPROVED: CHIEF ENGINEER

Project Title

REPLACE ELEVATOR
CONTROLS BLDG 28

Location
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KEH

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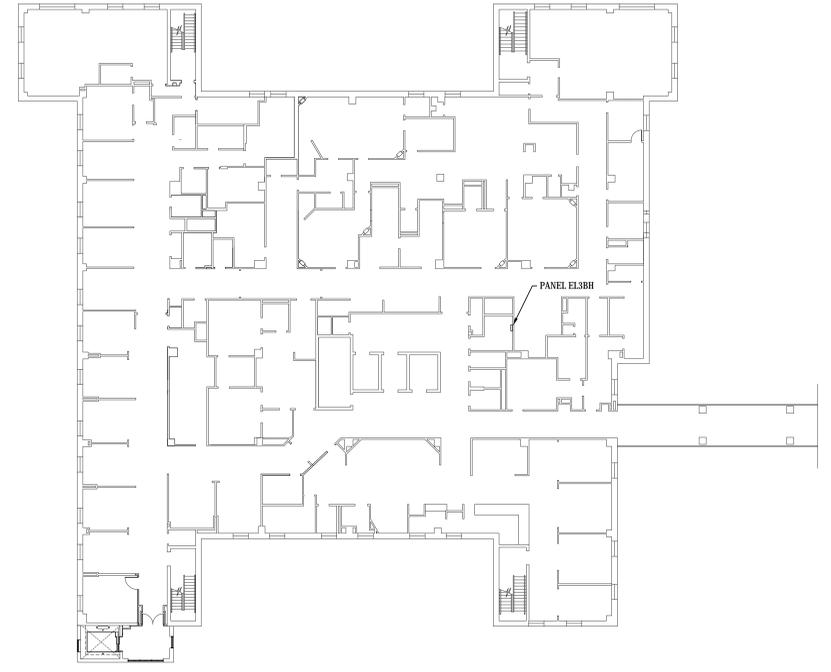
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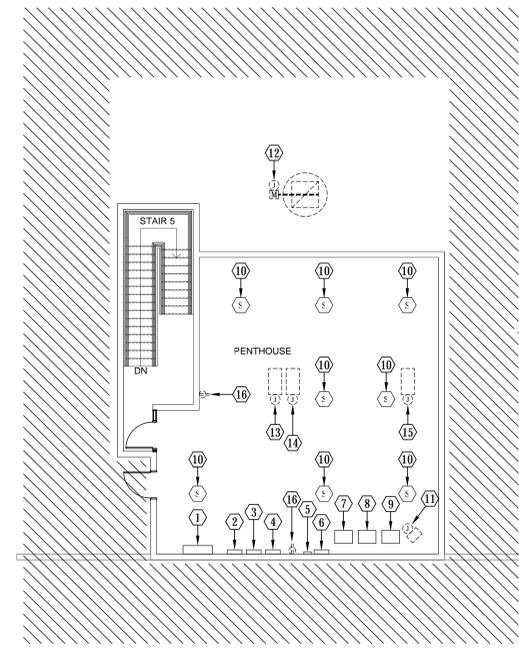
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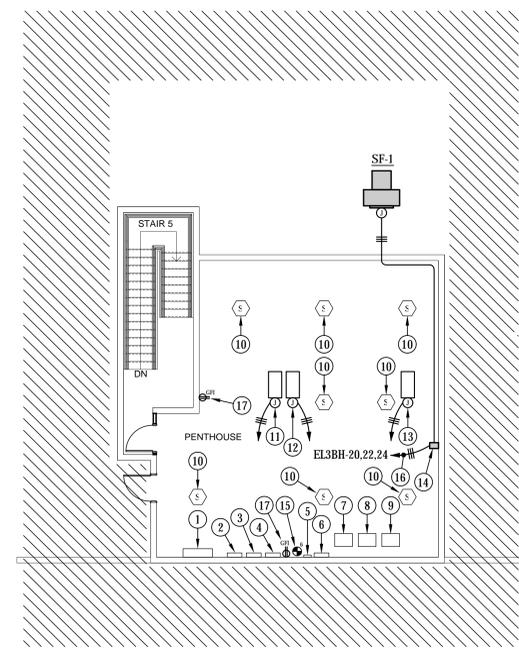
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 one-half inch = one foot
 three-eighths inch = one foot
 one-quarter inch = one foot
 one-eighth inch = one foot



2 FOURTH FLOOR KEYPLAN
 1" = 20'-0"



1 ELECTRICAL DEMOLITION FLOOR PLAN - PENTHOUSE
 1/8" = 1'-0"



3 ELECTRICAL FLOOR PLAN - PENTHOUSE
 1/8" = 1'-0"

GENERAL NOTES:

- COORDINATE ALL WORK WITH EXISTING GENERAL CONDITIONS, ARCHITECTURAL, STRUCTURAL, PLUMBING, FIRE PROTECTION, AND MECHANICAL SYSTEMS.
- CONTRACTOR TO VERIFY LOCATIONS OF ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, ETC. DEVICE/EQUIPMENT SHOWN MAY NOT REPRESENT ALL DEVICE/EQUIPMENT AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING/RELOCATING DEVICES/EQUIPMENT NOT SHOWN AS REQUIRED FOR DEMOLITION.

DEMOLITION KEYED NOTES:

- EXISTING PANEL EEDPA TO REMAIN.
- EXISTING SERVICE DISCONNECT SWITCH FOR ELEVATOR S1 TO REMAIN. EXISTING WIRING FROM SERVICE DISCONNECT SWITCH BACK TO C/B IN EXISTING PANEL EEDPA TO BE REMOVED. EXISTING CONDUIT TO REMAIN.
- EXISTING SERVICE DISCONNECT SWITCH FOR ELEVATOR P1 TO REMAIN. EXISTING WIRING FROM SERVICE DISCONNECT SWITCH BACK TO C/B IN EXISTING PANEL EEDPA TO BE REMOVED. EXISTING CONDUIT TO REMAIN.
- EXISTING SERVICE DISCONNECT SWITCH FOR ELEVATOR P2 TO REMAIN. EXISTING WIRING FROM SERVICE DISCONNECT SWITCH BACK TO C/B IN EXISTING PANEL EEDPA TO BE REMOVED. EXISTING CONDUIT TO REMAIN.
- EXISTING FIRE ALARM SYSTEM ELEVATOR SHUNT TRIP RELAY TO REMAIN.
- EXISTING FIRE ALARM SYSTEM ELEVATOR CABINET TO REMAIN.
- EXISTING ISOLATION TRANSFORMER FOR ELEVATOR S1 TO REMAIN.
- EXISTING ISOLATION TRANSFORMER FOR ELEVATOR P1 TO REMAIN.
- EXISTING ISOLATION TRANSFORMER FOR ELEVATOR P2 TO REMAIN.
- EXISTING FIRE ALARM SYSTEM SMOKE DETECTOR TO REMAIN.
- REMOVE AND DISCARD EXISTING POWER CONNECTION TO UNIT HEATER AND ALL ASSOCIATED WIRING AND CONDUIT.
- REMOVE AND DISCARD EXISTING POWER CONNECTION TO MOTORIZED DAMPER AND ALL ASSOCIATED WIRING AND CONDUIT.
- REMOVE EXISTING POWER CONNECTION TO ELEVATOR S1 CONTROLLER. REMOVE AND DISCARD EXISTING WIRING AND CONDUIT FROM EXISTING CONTROLLER BACK TO ISOLATION TRANSFORMER. REFER TO ELECTRICAL FLOOR PLAN FOR DETAILS.
- REMOVE EXISTING POWER CONNECTION TO ELEVATOR P1 CONTROLLER. REMOVE AND DISCARD EXISTING WIRING AND CONDUIT FROM EXISTING CONTROLLER BACK TO ISOLATION TRANSFORMER. REFER TO ELECTRICAL FLOOR PLAN FOR DETAILS.
- REMOVE EXISTING POWER CONNECTION TO ELEVATOR P2 CONTROLLER. REMOVE AND DISCARD EXISTING WIRING AND CONDUIT FROM EXISTING CONTROLLER BACK TO ISOLATION TRANSFORMER. REFER TO ELECTRICAL FLOOR PLAN FOR DETAILS.
- REMOVE AND DISCARD EXISTING RECEPTACLE. ALL ASSOCIATED WIRING AND CONDUIT TO BE RE-USED. REFER TO ELECTRICAL FLOOR PLAN FOR DETAILS.

GENERAL NOTES:

- COORDINATE ALL WORK WITH EXISTING GENERAL CONDITIONS, ARCHITECTURAL, STRUCTURAL, PLUMBING, FIRE PROTECTION, AND MECHANICAL SYSTEMS.

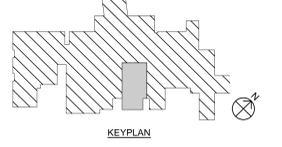
KEYED NOTES:

- EXISTING PANEL EEDPA.
- EXISTING SERVICE DISCONNECT SWITCH FOR ELEVATOR S1. INSTALL NEW 3-4, 1-8 GND BETWEEN EXISTING C/B IN EXISTING PANEL EEDPA AND EXISTING SERVICE DISCONNECT SWITCH. UTILIZE EXISTING CONDUIT.
- EXISTING SERVICE DISCONNECT SWITCH FOR ELEVATOR P1. INSTALL NEW 3-4, 1-8 GND BETWEEN EXISTING C/B IN EXISTING PANEL EEDPA AND EXISTING SERVICE DISCONNECT SWITCH. UTILIZE EXISTING CONDUIT.
- EXISTING SERVICE DISCONNECT SWITCH FOR ELEVATOR P2. INSTALL NEW 3-4, 1-8 GND BETWEEN EXISTING C/B IN EXISTING PANEL EEDPA AND EXISTING SERVICE DISCONNECT SWITCH. UTILIZE EXISTING CONDUIT.
- EXISTING FIRE ALARM SYSTEM ELEVATOR SHUNT TRIP RELAY.
- EXISTING FIRE ALARM SYSTEM ELEVATOR CABINET.
- EXISTING ISOLATION TRANSFORMER FOR ELEVATOR S1.
- EXISTING ISOLATION TRANSFORMER FOR ELEVATOR P1.
- EXISTING ISOLATION TRANSFORMER FOR ELEVATOR P2.
- EXISTING FIRE ALARM SYSTEM SMOKE DETECTOR.
- CONNECT TO NEW ELEVATOR S1 CONTROLLER AND INSTALL NEW 3-4, 1-8 GND, 1-1/2" C. TO EXISTING ISOLATION TRANSFORMER. FINAL CONNECTION WITH FLEXIBLE METAL CONDUIT.
- CONNECT TO NEW ELEVATOR P1 CONTROLLER AND INSTALL NEW 3-4, 1-8 GND, 1-1/2" C. TO EXISTING ISOLATION TRANSFORMER. FINAL CONNECTION WITH FLEXIBLE METAL CONDUIT.
- CONNECT TO NEW ELEVATOR P2 CONTROLLER AND INSTALL NEW 3-4, 1-8 GND, 1-1/2" C. TO EXISTING ISOLATION TRANSFORMER. FINAL CONNECTION WITH FLEXIBLE METAL CONDUIT.
- CONNECT TO ELEVATOR HOSTWAY PRESSURIZATION FAN. REFER TO MECHANICAL EQUIPMENT CONNECTION CHART FOR DETAILS. INSTALL 5-12, 1-1/2", 3/4" C. FROM VFD TO SF-1.
- PROVIDE NEW FIRE ALARM SYSTEM ELEVATOR RECALL RELAYS (PRIMARY LANDING, SECONDARY LANDING AND FIRE RAY) FOR REPLACING ELEVATORS AND MOUNT ON WALL NEXT TO EXISTING RELAY. CONNECT TO NEW ELEVATOR CONTROLLERS AS REQUIRED.
- CONNECT TO EXISTING 480V 3Ø LIFE SAFETY PANEL AS INDICATED. INSTALL A NEW 200 C/B IN EXISTING SPACE AS INDICATED. EXISTING PANEL EL3BH IS SQUARE D NF 480Y277V 3Ø 4W 125A PANELBOARD. CONTRACTOR TO VERIFY. RENEW PANEL DIRECTORY CARD AS NECESSARY.
- INSTALL A NEW GFI RECEPTACLE IN EXISTING LOCATION AND CONNECT TO EXISTING CIRCUIT.

MECHANICAL EQUIPMENT CONNECTION CHART

FAN SCHEDULE									
DESIG.	HP<WATTS>	VOLT	FAN PH	UNIT FLA	UNIT MCA	UNIT DISCONNECT	UNIT C/B	UNIT BRANCH CKT.	NOTES
SF-1	9	480	3	7.6	9.5	VFD	20/3	3-12, 1-12G, 3/4" C.	1

NOTES:
 1) FINAL CONNECTION AT UNIT WITH LIQUID-TIGHT FLEXIBLE METAL CONDUIT.



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APPROVED: CHIEF ENGINEER

Drawing Title

ELECTRICAL FLOOR PLANS

APPROVED: CHIEF ENGINEER

Project Title

REPLACE ELEVATOR CONTROLS BLDG 28

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JCF

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Dwg 8 OF 8

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 Department of Veterans Affairs