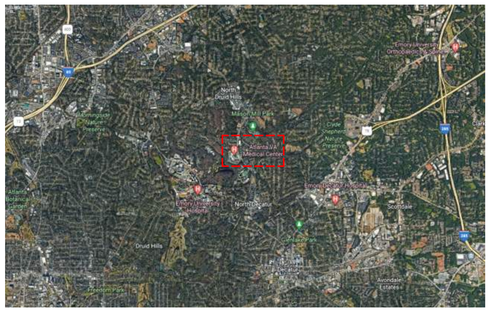
VA ATLANTA

1670 CLAIRMONT RD, DECATUR, GA

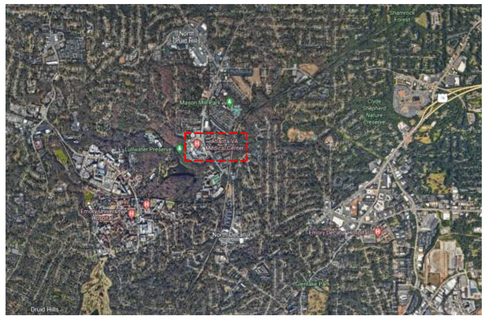
100% CONSTRUCTION DOCUMENTS

RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC

508-22-105

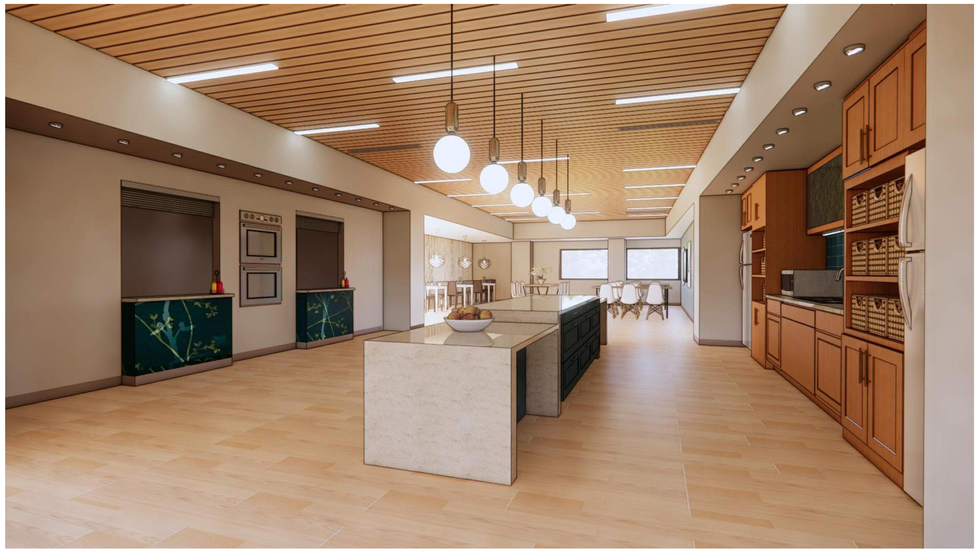


AREA MAP



VICINITY MAP

CAMPUS MAP



SHEET INDEX

SHEET NUMBER	SHEET NAME
GENERAL	
GI000	COVER SHEET
GI101	LIFE SAFETY PLAN
ARCHITECTURAL	
AE001	ARCHITECTURAL SYMBOLS AND ABBREVIATIONS
AE002	WALL TYPES
AD101	SIXTH FLOOR DEMOLITION PLAN
AE101	SIXTH FLOOR ARCHITECTURAL PLAN
AE102	SIXTH FLOOR DIMENSION PLAN
AE111	SIXTH FLOOR REFLECTED CEILING PLAN
AE401	ENLARGED PLANS AND ELEVATIONS
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AE601	DOOR SCHEDULE & DETAILS
AE602	WINDOW SCHEDULE & DETAILS
AI101	SIXTH FLOOR INTERIOR FINISH PLAN
AI102	SIXTH FLOOR WALL PROTECTION PLAN
AI103	SIXTH FLOOR DETAIL FLOOR FINISHES & PATTERNS
AI201	ENLARGED PLANS & INTERIOR ELEVATIONS
AI202	ENLARGED PLANS & INTERIOR ELEVATIONS
AI203	ENLARGED PLANS & INTERIOR ELEVATIONS
AI204	ENLARGED PLANS & INTERIOR ELEVATIONS
AI205	ENLARGED PLANS & INTERIOR ELEVATIONS
AI206	FINISH SCHEDULE
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AI801	SIGNAGE PLAN & SCHEDULE
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QH102	EQUIPMENT AND FURNITURE SCHEDULES
FIRE DETECTION	
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FA002	FIRE DETECTION - DETAILS
FA003	INPUT-OUTPUT MATRIX & TEMPORARY REQUIEMENTS
FA100	FIRE DETECTION - LEVEL 6 - DEMOLITION
FA101	FIRE DETECTION - LEVEL 6 - NEW WORK
FIRE SUPPRESSION	
FX001	FIRE SUPPRESSION - GENERAL NOTES AND LEGENDS
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FX003	FIRE SUPPRESSION - DETAILS
FX004	FIRE SUPPRESSION IMPAIRMENT & INTERIM, SUPPRESSION REQMTS
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PP101	PLUMBING- LEVEL- 06-NEW WORK - SANITARY
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M003	SCHEDULES
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MD101	MECHANICAL - LEVEL 06 - DEMOLITION - PIPING
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MH100-A	MECHANICAL LEVEL 06 - NEW WORK - DUCTWORK-AREA A
MH100-B	MECHANICAL LEVEL 06 - NEW WORK - DUCTWORK- AREA B
MH100-C	MECHANICAL LEVEL 06 - NEW WORK - DUCTWORK- AREA C
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E002	ELECTRICAL - SPECIAL SYSTEMS, SYMBOLS & NOTES
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E007	PANEL SCHEDULES
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E009	PANEL SCHEDULES
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EL100	ELECTRICAL - LEVEL 06 - NEW WORK - LIGHTING
EP100	ELECTRICAL - LEVEL 06 - NEW WORK - POWER
ES100	ELECTRICAL - LEVEL 06 - NEW WORK - SPECIAL SYSTEMS

OWNER

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MEP DESIGN TEAM

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CONTRACT SPECIALIST DATE | LEAD USER SIGNATURE DATE

CONTRACT OFFICER REPRESENTATIVE DATE | INTERIOR DESIGNER DATE

CHIEF OF ENGINEERING DATE | DEPARTMENT HEAD DATE

Revisions:	Date:

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CHARLOTTE ENGINEERS

STAMP

STATE OF GEORGIA
LUKE J. LEISING
REGISTERED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
COVER SHEET

Approved:

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC

Location
1670 CLAIRMONT RD, DECATUR, GA

Issue Date 09/21/2023
Checked ARO
Drawn TAA

Project Number 508-22-105
Building Number C
Drawing Number GI000

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LIFE SAFETY OCCUPANCY COUNT

AREA	SF	OCC	OCC FACTOR	# OF OCC
Level 6				
CLC	19681 SF	I-2	240	82
LIVING	628 SF	I-2	15	41
DINING	627 SF	I-2	15	41
TOTAL:	20936 SF			164
BUILDING TOTAL:	20936 SF			164

CODE ANALYSIS LEGEND

- OCCUPANCY TYPE
- SQUARE FOOTAGE
- EXITS REQUIRED
- OCCUPANCY LOAD FACTOR
- TOTAL OCCUPANCY
- 1 HR - FIRE SEPARATION
- 2 HR - FIRE SEPARATION
- SMOKE RESISTIVE HAZARDOUS AREA
- EGRESS PATH
- EXIT SEPARATION DISTANCE
- DIAGONAL DISTANCE
- FIRE EXTINGUISHER CABINET
- EGRESS EXIT SIGNAGE

WALL RATING LEGEND

- 2 HR FIRE RATED
- 1 HR FIRE RATED
- 3 HR SMOKE BARRIER
- 2 HR SMOKE BARRIER
- 1 HR SMOKE BARRIER
- SMOKE PARTITION

INFECTION CONTROL PROJECT INFORMATION

CONSTRUCTION ACTIVITY - INFECTION RISK: *C*

PATIENT RISK GROUP: ***LOW***

CLASS OF PRECAUTION MATRIX: ***II***

BUILDING CODES

GOVERNING BUILDING CODES

NFPA, NATIONAL FIRE PROTECTION ASSOCIATION FULL LISTING OF CURRENT CODES, INCLUDING BUT NOT LIMITED TO:

NFPA 10 STANDARD FOR PORTABLE FIRE EXTINGUISHER	2018 ED.
NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS	2019 ED.
NFPA 72 FIRE ALARM CODE	2019 ED.
NFPA 70, NEC NATIONAL ELECTRICAL CODE	2020 ED.
NFPA 80 STANDARD FOR FIRE DOORS AND FIRE WINDOWS	2019 ED.
NFPA 99 HEALTHCARE FACILITIES CODE	2021 ED.
NFPA 101 LIFE SAFETY CODE	2021 ED.
NFPA 220 STANDARD ON TYPES OF BUILDING CONSTRUCTION	2021 ED.
NFPA 241 STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS	2019 ED.

ICC CODES, INTERNATIONAL CODE COUNCIL FULL LISTING OF CURRENT CODES, INCLUDING BUT NOT LIMITED TO:

INTERNATIONAL BUILDING CODE	2021 ED.
INTERNATIONAL PLUMBING CODE	2021 ED.
INTERNATIONAL MECHANICAL CODE	2021 ED.
INTERNATIONAL ENERGY AND CONSERVATION CODE	2021 ED.

ASHRAE STANDARDS, AS REFERENCED WITHIN OTHER CODES INCLUDING, BUT NOT LIMITED TO:

STANDARD 170-2017, VENTILATION OF HEALTHCARE FACILITIES

STANDARD 188-2018, LEGIONELLOSIS: RISK MANAGEMENT FOR BUILDING WATER SYSTEMS

ACCESSIBILITY CODES

ADAAG, ADA ACCESSIBILITY GUIDELINES

VA BARRIER FREE DESIGN GUIDE PG-18-13, ABAAS

FGI, THE FACILITY GUIDELINES INSTITUTE

GUIDELINES FOR DESIGN AND CONSTRUCTION OF HOSPITALS	2018 ED.
GUIDELINES FOR DESIGN AND CONSTRUCTION OF OUTPATIENT FACILITIES	2018 ED.
BEHAVIORAL HEALTH DESIGN GUIDE	2019 ED.

SYSTEMS RELATING TO MAINTENANCE OF FACILITIES

OSHA, OCCUPATIONAL, SAFETY AND HEALTH ADMINISTRATION STANDARDS.

CODES AND GUIDELINES REFERENCED WITHIN NFPA AND ICC CODES ARE TO ALSO BE FOLLOWED AND APPLIED TO ALL DESIGN AND CONSTRUCTION. REFER TO VA MANUAL PG-18-3, SPECIFICATIONS FOR ADDITIONAL CODES, STANDARDS, GUIDELINES AND REGULATIONS. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTING WORK COMPLIANT WITH OSHA, OCCUPATIONAL, SAFETY AND HEALTH ADMINISTRATION STANDARDS.

VA DESIGN MANUALS PG-18-10

ARCHITECTURAL
ASBESTOS ABATEMENT
AUTOMATED TRANSPORT SYSTEMS
COMMISSIONING AND RETRO COMMISSIONING
ELECTRICAL
ESTIMATING
FIRE PROTECTION
HVAC
INTERIOR DESIGN
LIGHTING DESIGN
PHYSICAL SECURITY
PLUMBING
SIGNAGE
SITE PARKING, SITE DEVELOPMENT, SITE APPENDIX
STEAM, HEATING, HOT WATER, AND OUTSIDE DISTRIBUTION SYSTEMS
STRUCTURAL
SUSTAINABILITY
TELECOMMUNICATIONS

BUILDING CODE PROJECT ANALYSIS

	BUILDING ADDRESS STREET, CITY, COUNTY, STATE, ZIP CODE			
Aug-14	GOVERNING CODE PROVISIONS		NFPA HEALTHCARE	IBC 2021 FEDERAL
Jul-11				
Nov-20	BUILDING INFORMATION		NFPA	NFPA 2021
Nov-13	BUILDING USE AND OCCUPANCY CLASSIFICATION	GROUP I-2	GROUP I-2	CH. 18 CH. 3
	MIX OCCUPANCY	YES	YES	
Dec-19	MIX OCCUPANCY	YES	YES	
Mar-11	CONSTRUCTION TYPE	TYPE 1-A	I (332)	18.1.6
Jun-21	BUILDING FULLY FIRE SPRINKLERD	YES	YES	

	ALLOWABLE	ACTUAL
ALLOWABLE BUILDING HEIGHT ABOVE GRADE	UNLIMITED	10 STORIES
ALLOWABLE BUILDING STORIES	UNLIMITED	10
ALLOWABLE BUILDING AREA	UNLIMITED	22,500 Per Elevated Floor
OCCUPANCY SEPARATION	YES	2 HR FIRE RATING
SMOKE COMPARTMENT	YES	20 MIN FIRE RATING

Nov-20				504.3
Nov-20			18.1.6.1	504.4
Dec-15				506.3
Jan-21			6.1.14.4.1	508.4
May-18				
Apr-17	CONSTRUCTION RATING OF BUILDING ELEMENTS.			
Nov-16	FIRE RESISTANT RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)			601
Feb-13	STRUCTURAL FRAME	4 HR FIRE RATING		
Sept-16 Nov-20	BEARING WALLS - EXTERIOR	4 HR FIRE RATING		
	BEARING WALLS - INTERIOR	4 HR FIRE RATING		
Feb-14	NON BEARING WALLS - EXTERIOR	0 HR FIRE RATING		
Aug-17	NON BEARING WALLS - INTERIOR	0 HR FIRE RATING		
Feb-16	FLOOR CONSTRUCTION	3 HR FIRE RATING		
	ROOF CONSTRUCTION	2 HR FIRE RATING		
	SHAFT ENCLOSURE RATING	2 HR FIRE RATING		
	EXTERIOR WALL (SEPARATION DISTANCE)			602

NORTH	DISTANCE - NA	0 HR FIRE RATING
SOUTH	DISTANCE - NA	0 HR FIRE RATING
EAST	DISTANCE - NA	0 HR FIRE RATING
WEST	DISTANCE - NA	0 HR FIRE RATING

	MEANS OF EGRESS			
	EGRESS CORRIDOR RATINGS	0 HR FIRE RATING		1020.01
	MEANS OF EGRESS - FUNCTIONAL OCCUPANT LOAD		7.3.1.2	1004.5
	FUNCTIONAL OCCUPANT LOAD	19.681 / 240SF = 82	19.681 / 240SF = 82	
		627 / 15SF=41	627 / 15SF=41	
		627 / 15SF=41	627 / 15SF=41	

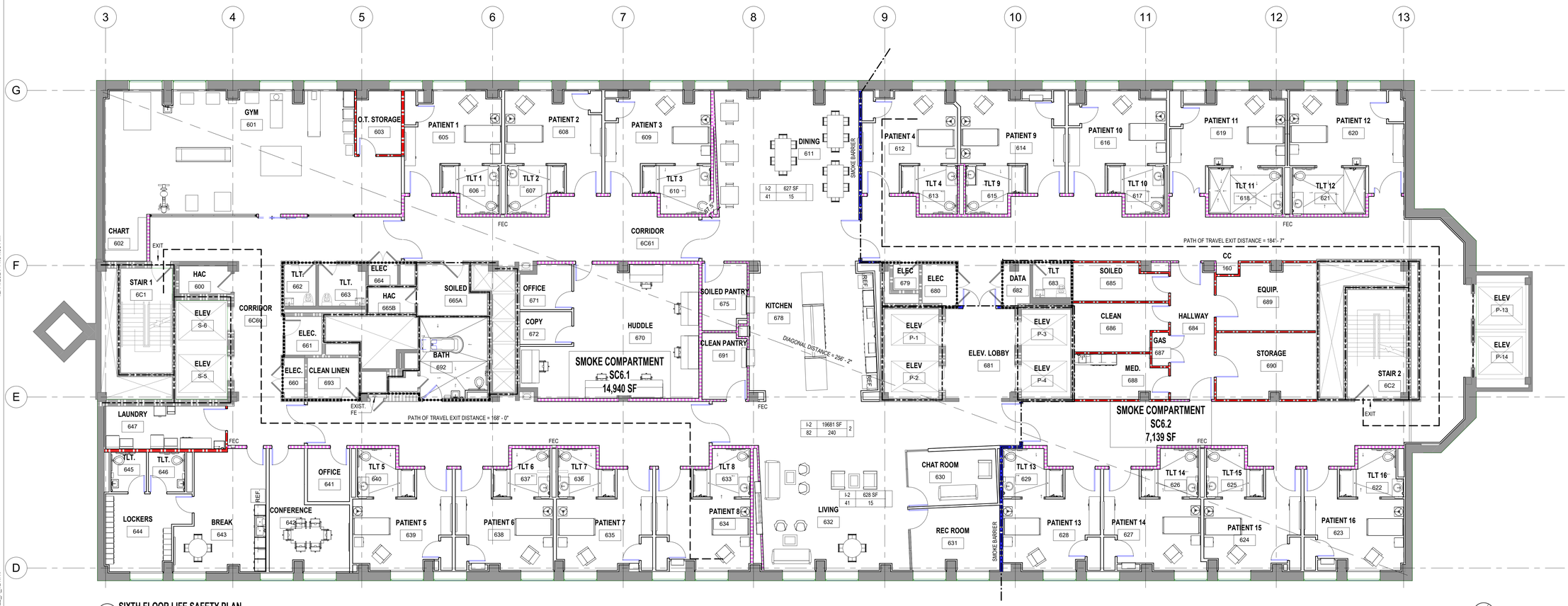
		REQUIRED	PROVIDED			
	EGRESS WIDTH				7.3	1005
	EXIT STAIR WIDTH	82 X 0.3 = 24.6	88	82 X 0.3 = 24.6		1005.3.1
	EXIT DOOR WIDTH	82 X 0.2 = 16.4	88	82 X 0.2 = 16.4		1005.3.2
	MINIMUM NUMBER OF EXITS	REQUIRED	PROVIDED		7.4	1006
	EXITS PER FLOOR	2				
	MIX OCCUPANCY EXITS	N/A				
	MIX OCCUPANCY EXITS	N/A				
	COMMON PATH OF TRAVEL					1006.2.1
	OCCUPANT	DISTANCE 75'		DISTANCE 75'		
	MIX OCCUPANCY	DISTANCE 200'		DISTANCE 200'		
	MIX OCCUPANCY	DISTANCE 200'		DISTANCE 200'		
	EXIT ACCESS TRAVEL DISTANCE					1017.2
	OCCUPANT	DISTANCE 200'		DISTANCE 200'		
	CORRIDORS					
	CORRIDOR RATING	20 MIN. FIRE RATING		20 MIN. FIRE RATING		1020.2
	MINIMUM CORRIDOR WIDTH	MIN. WIDTH= 96		MIN. WIDTH= 96		1020.3
	DEAD END CORRIDOR	DISTANCE = <20'		DISTANCE = <20'		1020.5

STRUCTURE

RISK CATEGORY	III
BASIC DESIGN WIND SPEED, V	110 MPH
ALLOWABLE STRESS DESIGN WIND SPEED, Vasd	88 MPH
WINDBORNE DEBRIS REGION	NO
WINDBORNE DEBRIS WIND ZONE	NA
SEISMIC DESIGN CATEGORY	C

MINIMUM NUMBER REQUIRED PLUMBING FIXTURES

	EXISTING	NEW	ADDITIONAL	
WATER CLOSETS	M #1 /F# 1	16	M #2 /F# 2	2902.1
URINALS	0	1	0	
LAVATORIES	M #1 /F# 1	16	M #4 /F# 4	
BATHTUB OR SHOWER	M #2 /F# 3	16	0	
DRINKING FOUNTAINS	2	0	0	
OTHER				



SIXTH FLOOR LIFE SAFETY PLAN
GI101 SCALE: 1/8" = 1'-0"

Revisions:	Date:

CONSULTANT
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STAMP: STATE OF GEORGIA — LUKE J. LEISING — REGISTERED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: LIFE SAFETY PLAN	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: GI101
		Issue Date: 09/21/2023 · Checked: ARO · Drawn: TAA	

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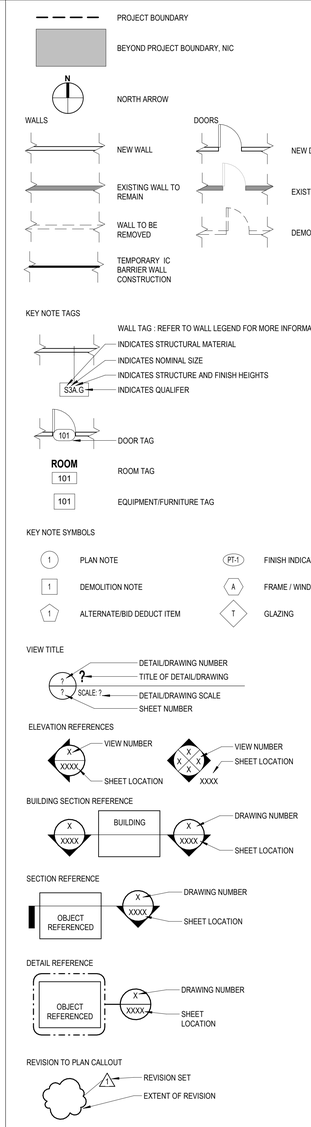
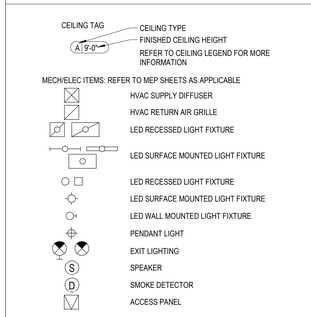
ARCHITECTURAL ABBREVIATIONS

A/C	AIR CONDITION
A/E	ARCHITECT/ENGINEER
AB	ANCHOR BOLT
ABC	AGGREGATE BASE COURSE
AC	ASBESTOS CEMENT OR ASPHALTIC CONCRETE
ACS DR	ACCESS DOOR
ACS FLR	ACCESS FLOOR
ACS PNL	ACCESS PANEL
ACST	ACOUSTIC
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
ADC	AUTOMATIC DOOR CLOSER
ADDL	ADDITIONAL
ADDN	ADDITION
ADH	ADHESIVE
ADJ	ADJACENT, ADJOINING, OR ADJUSTABLE
ADMIN	ADMINISTRATION
AFC	ABOVE FINISHED COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFS	ABOVE FINISHED SLAB
AGGR	AGGREGATE
AHJ	AUTHORITY HAVING JURISDICTION
AHR	ANCHOR
AHU	AIR HANDLING UNIT
AIA	AMERICAN INSTITUTE OF ARCHITECTS
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE
ALT NO	ALTERNATE NUMBER
ALUM	ALUMINUM
AMP	AMPERE
AMT	AMOUNT
ANOD	ANODIZE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ANT	ANTENNA
APPD	APPROVED
APPROX	APPROXIMATE
AR	AS REQUIRED
ARCH	ARCHITECT
ASB	ASBESTOS
ASI	ARCHITECT'S SUPPLEMENTAL INSTRUCTION
ASNLR	AUTOMATIC SPRINKLER
ASPHT	ASPHALT
ASSN	ASSOCIATION
ATCH	ATTACHMENT
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AUX	AUXILIARY
AV	AUDIO VISUAL
AVG	AVERAGE
AW	ACID WASTE
AWI	ARCHITECTURAL WOODWORKING INSTITUTE
AWS	AMERICAN WELDING SOCIETY
AWT	ACOUSTICAL WALL TREATMENT
B PL	BASE PLATE
BALC	BALCONY
BAT	BATTEN
BB	BULLETIN BOARD
BD	BOARD
BEV	BEVEL
BI FLD DR	BIFOLDING DOORS
BITUM	BITUMINOUS
BKG	BACKING
BLD	BUILD
BLDG	BUILDING
BLKG	BLOCKING
BLKT	BLANKET
BM	BEAM OR BENCHMARK
BOT	BOTTOM
BRCG	BRACING
BRDG	BRIDGING
BRG	BEARING
BRKT	BRACKET
BRZ	BRONZE
BSMT	BASEMENT
BTWN	BETWEEN
BUR	BUILT-UP ROOFING
C	CELSIUS CHANNEL OR CHANNEL CELSIUS
C CONC	CAST CONCRETE
C TO C	CENTER TO CENTER
CAB	CABINET
CB	CORNER BEAD
CBB	CEMENTITIOUS (BACKER) BOARD
CC	CUBIC CENTIMETER
CCTV	CLOSED CIRCUIT TELEVISION
CCW	COUNTERCLOCKWISE
CEM	CEMENT
CEM PLAS	CEMENT PLASTER
CER	CERAMIC
CF	CONTRACTOR FURNISHED
CF/CI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED/OWNER INSTALLED
CFLG	COUNTERFLASHING
CFM	CUBIC FEET PER MINUTE
CFMF	COLD-FORMED METAL FRAMING
CFS	CUBIC FEET PER SECOND
CG	CORNER GUARD
CGSFU	CERAMIC GLAZED STRUCTURAL FACING UNITS
CH BD	CHALKBOARD
CHEM	CHEMICAL
CHFR	CHAMFER
CI	CAST IRON
CIP	CAST-IN-PLACE
CIR	CIRCLE
CIRC	CIRCULAR
CJ	CONSTRUCTION JOINT OR CONTROL JOINT
CL	CENTER LINE
CLDG	CLADDING
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNR	CORNER
CNTR	COUNTER
CO	CARBON MONOXIDE, CLEANOUT
CO_2	CARBON DIOXIDE
COL	COLUMN
COM	COMMON
COMB	COMBINATION, COMBINED
COMM	COMMUNICATION
COMP	COMPONENT
CONC	CONCRETE
COND	CONDENSER OR CONDITION
CONF	CONFERENCE
CONN	CONNECT
CONSTR	CONSTRUCTION
CONT	CONTINUE
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
CPM	CRITICAL PATH METHOD
CPRS	COMPRESSIBLE
CPT	CARPET
CRS	COLD ROLLED STEEL
CS	CAST CONCRETE STONE
CSB	CONCRETE SPLASH BLOCK
CSG	CASING
CSK	COUNTER SUNK
CSMT	CASEMENT
CSWK	CASEWORK
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CTF	CERAMIC TILE FLOOR
CTG	COATING
CTR	CENTER
CTRL	CONTROL
CTV	CABLE TELEVISION
CU	COPPER C
CU FT	CUBIC FEET
CU IN	CUBIC INCH
CU YD	CUBIC YARD
CURT	CURTAIN
CYL	CYLINDER
CYL L	CYLINDER LOCK
D	DEPTH OR PENNY (NAIL)
D LABEL	CLASS D DOOR
DAT	DATUM
DB	DECIBEL
DBL	DOUBLE
DBL GLZ	DOUBLE GLAZE
DC	DIRECT CURRENT
DEG	DEGREE
DEL	DELETE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL DIAGRAM OR DIAGRAM DIAGONAL
DIFF	DIFFERENCE OR DIFFUSER
DIM	DIMENSION
DIR	DIRECTION
DISP	DISPENSER
DIST	DISTANCE
DIV	DIVIDE OR DIVISION
DL	DEAD LOAD
DOC	DOCUMENT
DOZ	DOZEN
DN	DOWN
DR	DOOR, DRAIN, DRESSING ROOM, OR DRIVE
DS	DOWNSPOUT
DSGN	DESIGN
DW	DISHWASHER
DWG	DRAWING
DWTR	DUMBWAITER
E	EAST
EA	EACH
EFF	EFFICIENCY
EFS	EXTERIOR FINISH SYSTEM
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELAST	ELASTOMERIC
ELEC	ELECTRIC
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
ENGR	ENGINEER
ENVIR	ENVIRONMENT
EPA	ENVIRONMENTAL PROTECTION AGENCY
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EPO	EMERGENCY POWER OFF
EPS	EXPANDED POLYSTYRENE BOARD (INSULATION)
EQ	EQUAL
EQL SP	EQUALLY SPACED
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ERD	EXISTING ROOF DRAIN
ESC	ESCAPE OR ESCUTCHEON
ESCAL	ESCALATOR
EST	ESTIMATE
ETC	AND SO FORTH OR ET CETERA
ETS	EXPOSE TO STRUCTURE
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EWS	EYE WASH STATION
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION OR EXPOSED
EXT	EXTERIOR, EXTERNAL, OR EXTINGUISHER
F	FAHRENHEIT OR FEMALE
FA	FIRE ALARM
FAB	FABRIC
FAC	FACTOR
FACIL	FACILITY
FAS	FASCIA
FCO	FLOOR CLEANOUT
FCTY	FACTORY
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FACE
FF EL	FINISH FLOOR ELEVATION
FF&E	FURNITURE, FIXTURE, AND EQUIPMENT
FH	FLAT HEAD OR FLAT HEAD SCREWS
FHC	FIRE HOSE CABINET
FHMS	FLAT HEAD MACHINE SCREW
FHP	FULL HEIGHT PARTITION
FHWS	FLAT HEAD WOOD SCREW
FIG	FIGURE
FIL	FILLET
FIN	FINISH
FIP	FILLER PANEL
FIXT	FIXTURE
FL	FLOORLINE
FLASH	FLASHING
FLDG	FOLDING
FLEX	FLEXIBLE
FLG	FLOORING
FLR	FLOOR
FLUOR	FLUORESCENT
FM	FACTORY MUTUAL
FM-G	FACTORY MUTUAL GLOBAL
FO	FINISHED OPENING
FOC	FACE OF CONCRETE OR FACE OF CURB
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF SLAB OR FACE OF STUD
FOUNT	FOUNTAIN
FOW	FACE OF WALL
FP	FIRE PROTECTION OR FIREPROOF
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FR	FIRE RATING, FIRE RESISTANT, OR FRAME
FR SNK	FLUSHING RIM SINK
FREQ	FREQUENCY
FRMG	FRAMING
FRP	FIBER REINFORCED POLYESTER OR FIBERGLASS REINFORCED PLASTIC
FRZ	FREEZER
FS	FEDERAL SPECIFICATION
FSTNR	FASTENER
FT	FEET OR FOOT
FTG	FOOTING
FURG	FURRING
FURN	FURNISH OR FURNITURE
FUT	FUTURE
FWC	FABRIC WALLCOVERING
GA	GAGE OR GYPSUM ASSOCIATION
GAL	GALLON
GALV	GALVANIC OR GALVANIZED
GALV STL	GALVANIZED STEEL
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GD	GUARD
GDR	GUARD RAIL
GEN	GENERAL OR GENERATOR
GFRC	GLASS-FIBER-REINFORCED CONCRETE
GFRG	GLASS-FIBER-REINFORCED GYPSUM
GFRP	GLASS-FIBER-REINFORCED PLASTIC
GI	GALVANIZED IRON
GL	GLASS
GLU LAM	GLUED LAMINATED WOOD
GR FL	GROUND FLOOR
GRAN	GRANITE
GRTG	GRATING
GSB	GYPSUM SHEATHING BOARD
GSM	GALVANIZED SHEET METAL
GSU	GLAZED STRUCTURAL UNIT
GT	GROUT
GUAR	GUARANTEE
GUT	GUTTER
GYP	GYPSUM
H	HIGH
H PLAM	HIGH PRESSURE PLASTIC LAMINATE
HAZ MAT	HAZARDOUS MATERIALS
HB	HOSE BIBB
HC	HOLLOW CORE
HCWD	HOLLOW CORE WOOD DOOR
HDBD	HARDBOARD
HDNR	HARDENER
HDO	HIGH DENSITY OVERLAY
HDR	HEADER
HDW	HARDWARE
HDWD	HARDWOOD
HEPA	HIGH EFFICIENCY PARTICULATE AIR (FILTER)
HEX	HEXAGON
HF	HIGH FREQUENCY
HGR	HANGER
HM	HECTOMETER OR HOLLOW METAL
HMD	HOLLOW METAL DOOR
HMDF	HOLLOW METAL DOOR AND FRAME
HMF	HOLLOW METAL FRAME
HNDRL	HANDRAIL
HO	HOLD OPEN
HORIZ	HORIZONTAL
HOSP	HOSPITAL
HP	HIGH PRESSURE OR HORSEPOWER
HS	HEAT-STRENGTHENED (GLASS) OR HIGH STRENGTH
HSKPG	HOUSEKEEPING
HST	HOIST
HT	HEIGHT
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
HVY	HEAVY
HW	HOT WATER
HYD	HYDRANT
HYDR	HYDRAULIC
I	INTERSTATE (HIGHWAY) OR MOMENT OF INERTIA
IAQ	INDOOR AIR QUALITY
IBC	INTERNATIONAL BUILDING CODE
ID	IDENTIFICATION, INSIDE DIAMETER
ID NO	IDENTIFICATION NUMBER
ILLUM	ILLUMINATION
INCL	INCLUDED
IND	INDEPENDENT OR INDUSTRIAL
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
INTERCOM	INTERCOMMUNICATION
INTL	INTERNATIONAL
IRMA	INVERTED ROOF MEMBRANE ASSEMBLY
IWH	INSTANTANEOUS WATER HEATER
JAN	JANITOR
J-BOX	JUNCTION BOX
JT	JOINT
KD	KILN DRIED OR KNOCKED DOWN
KIT	KITCHEN
KO	KNOCKOUT
KPL	KICKPLATE
L	ANGLE
LAB	LABORATORY
LAD	LADDER
LAM	LAMINATE
LAM GL	LAMINATED GLASS
LAU	LAUNDRY
LAV	LAVATORY
LBR	LUMBER
LBS	POUND
LD BRG	LOAD-BEARING
LDR	LEADER
LED	LIGHT EMITTING DIODE
LF	LINEAR FEET (FOOT)
LH	LEFT HAND
LHR	LEFT HAND REVERSE OR LEFT HAND REVERSE
LATENT	HEAT RATIO
LIB	LIBRARY
LIN	LINEAR
LINO	LINOLEUM
LIQ	LIQUID
LKR	LOCKER
LKR RM	LOCKER ROOM
LKWASH	LOCKWASHER
LL	LEAD LINED
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LMST	LIMESTONE
LNDSCP	LANDSCAPE
LR	LIVING ROOM
LRG	LARGE
LRV	LOUVERED ROOF VENT
LS	LUMP SUM
LT	LIGHT
LT GA	LIGHT GAGE
LT WT	LIGHTWEIGHT
LTG	LIGHTING
LTNG	LIGHTNING
LVD	LOUVERED
LVR	LOUVER
LWC	LIGHTWEIGHT CONCRETE
LWIC	LIGHTWEIGHT INSULATING CONCRETE
LYR	LAYER
MACH	MACHINE
MACH RM	MACHINE ROOM
MAINT	MAINTENANCE
MAN	MANUAL
MATL	MATERIAL
MATV	MASTER ANTENNA TELEVISION SYSTEM
MAX	MAXIMUM
MB	MACHINE BOLT
MCB	METAL CORNER BEAD
MD	DECK
ME	MECHANICAL ENGINEER
MEAS	MEASURE
MECH	MECHANICAL
MECH RM	MECHANICAL ROOM
MED	MEDICAL MEDIUM OR MEDIUM MEDICAL
MEK	METHYL ETHYL KETONE
MEL	MELAMINE
MEMB	MEMBRANE
MEMO	MEMORANDUM
MEZZ	MEZZANINE
MF	MILL FINISH
MFD	MANUFACTURED
MFG	MANUFACTURING
MFR	MANUFACTURER
MFR REC	MANUFACTURER'S RECOMMENDATION
MGT	MANAGEMENT
MH	MANHOLE
MIC	MICROPHONE
MID	MIDDLE
MIL STD	MILITARY STANDARD
MIN	MINIMUM MINUTE OR MINUTE MINIMUM
MIRR	MIRROR
MISC	MISCELLANEOUS
MIT	MITER
MKR	MARKER
ML	METAL LATH
MLDG	MOLDING (MOULDING)
MLWK	MILLWORK
mm	MILLIMETER
MO	MASONRY OPENING OR MOTOR OPERATED
MOD	MODEL, MODIFY OR MODULE
MOD BIT	MODIFIED BITUMEN
MON	MONITOR
MOPR	MOP RACK
MR	MOISTURE RESISTANT
MS	MACHINE SCREW OR MOP SINK
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MULL	MULLION
MW	MICROWAVE
MWP	MEMBRANE WATERPROOFING
N	NORTH
NA	NOT APPLICABLE
NAT	NATURAL
NATL	NATIONAL
NC	NOISE CRITERIA
NCOMBL	NONCOMBUSTIBLE
NEG	NEGATIVE
NEUT	NEUTRAL
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NR	NOISE REDUCTION
NRC	NOISE REDUCTION COEFFICIENT
NRP	NONREMOVABLE
NS	NARROW STILE
NUM	NUMERAL
O/O	OUT TO OUT
O	OXYGEN
OA	OUTSIDE AIR OR OVERALL
OC	ON CENTER
OCC	OCCUPY
OCT	OCTAGON
OD	OUTSIDE DIAMETER OR OUTSIDE DIMENSION
OF/CI	OWNER FURNISHED/CONTRACTOR INSTALLED
OFD	OVERFLOW DRAIN
OFF	OFFICE
OF/OI	OWNER FURNISHED/OWNER INSTALLED
OH	OVERHANG
OH DR	OVERHEAD (COILING) DOOR
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OPR	OPERABLE
OPT	OPTIONAL
OR	OPERATING ROOM OR OUTSIDE RADIUS
ORD	ORDNANCE OR OVERFLOW ROOF DRAIN
ORG	ORGANIC
ORIG	ORIGINAL
ORN	ORNAMENTAL
OUT	OUTLET
OZ	OUNCE
PAR	PARALLEL OR PARAPET
PART	PARTIAL
PAT	PATTERN
PB	PUSHBUTTON
PBD	PARTICLEBOARD
PC	PIECE, POLYCARBONATE OR PORTLAND CEMENT
PCC	PRECAST CONCRETE
PCCP	CONCRETE PAVEMENT
PCD	PAPER CUP DISPENSER
PCF	POUNDS PER CUBIC FOOT
PCP	PORTLAND CEMENT PLASTER
PED	PEDESTAL
PEN	PENETRATE
PEND	PENDANT
PERF	PERFORATED
PERIM	PERIMETER
PERP	PERPENDICULAR
PGBD	PEGBOARD
PHS	PHILLIPS HEAD SCREW
PKG	PACKAGE
PL	PLATE, PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER OR PLASTIC
PLBG	PLUMBING
PLYWD	PLYWOOD
PMTL	PAINTED METAL
PNEU	PNEUMATIC
PNL	PANEL
POLY	POLYETHYLENE (PLASTIC)
PR	PAIR
PRCST	PRECAST
PREFAB	PREFABRICATE
PREFIN	PREFINISH
PRELIM	PRELIMINARY
PREP	PREPARATION
PRESS	PRESSURE
PREV	PREVIOUS
PRKG	PARKING
PRMLD	PREMOLDED
PROJ	PROJECT
PROP	PROPERTY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT, PNEUMATIC TUBE, OR PRESSURE TREATED
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PVC	POLYVINYL CHLORIDE (PLASTIC)
PVG	PAVING
PWR	POWER
QA	QUALITY ASSURANCE
QC	QUALITY CONTROL
QRY	QUARRY
QT	QUARRY TILE
QTB	QUARRY TILE BASE
QTF	QUARRY TILE FLOOR
QTR	QUARTER
QTY	QUANTITY
QUAD	QUADRANT
QUAL	QUALITY
R	RADIUS OR RISER
RA	RETURN AIR
RAD	RADIATOR
RB	RESILIENT BASE OR RUBBER BASE
RB HK	ROBE HOOK
RBM	REINFORCED BRICK MASONRY
RBR	RUBBER
RCP	REFLECTED CEILING PLAN
RCVR	RECEIVER
RD	ROAD OR ROOF DRAIN
REC	RECESSED
RECD	RECEIVED
RECPT	RECEPTACLE
RECT	RECTANGLE
REF	REFERENCE OR REFRIGERATOR
REFR	REFRACTORY REFRIGERATION OR REFRIGERATION
	REFRACTORY
REG	REGISTER
REINF	REINFORCE
REP	REPAIR
REPL	REPLACE
REQ	REQUIRE
REQD	REQUIRED
RESIL	RESILIENT
RET	RETURN
REV	REVISION
RF	RADIO FREQUENCY
RFG	ROOFING
RFI	REQUEST FOR INFORMATION
RFP	REQUEST FOR PROPOSAL
RH	RIGHT HAND
RHMS	ROUND HEAD MACHINE SCREW
RHR	RIGHT HAND REVERSE
RHWS	ROUND HEAD WOOD SCREW
RL	ROOF LEADER
RLG	RAILING
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RPM	REVOLUTIONS PER MINUTE
RS	ROUGH SAWN
RT	RIGHT
RV	ROOF VENT
RVS	REVERSE
RWD	REDWOOD
RWL	RAIN WATER LEADER
SA	SUPPLY AIR
SALV	SALVAGE
SAMP	SAMPLE
SAN	SANITARY
SAT	SUSPENDED ACOUSTICAL TILE
SATC	SUSPENDED ACOUSTICAL TILE CEILING
SB	SPLASH BLOCK
SBS	STYRENE BUTADIEN STYRENE
SBSTR	SUBSTRATE
SC	SHADING COEFFICIENT OR SOLID CORE
SCH	SCHOOL
SCHED	SCHEDULE
SCHEM	SCHEMATIC
SCP	SCUPPER
SCRN	SCREEN
SCT	STRUCTURAL CLAY TILE
SCWD	SOLID CORE WOOD DOOR
SD	SHOP DRAWINGS, SMOKE DETECTOR OR SOAP DISPENSER
SDG	SIDING
SECT	SECTION
SEG	SEGMENT
SEL	SELECT
SEP	SEPARATE
SF	SQUARE FOOT (FEET)
SFTWD	SOFTWOOD
SGD	SLIDING GLASS DOOR
SGL	SINGLE
SHR	SHOWER
SHR HD	SHOWER HEAD
SHRD	SHOWER DRAIN
SHT	SHEET
SHT MTL FLASH	SHEET METAL (FLASHING)
SHTHG	SHEATHING
SHV	SHELVING
SIM	SIMILAR
SJ	SCORED JOINT
SK	SKETCH
SKLT	SKYLIGHT
SLD WDW	HORIZONTAL SLIDING WINDOW
SLDG	SLIDING
SLNT	SEALANT
SM	SHEET METAL
SMK	SMOKE
SND	SANITARY NAPKIN DISPENSER
SND INS	SOUND INSULATION
S	SOUTH
SNDU	SANITARY NAPKIN DISPOSAL UNIT
SPEC	SPECIFICATION
SPKLR	SPRINKLER
SPKR	SPEAKER
SPLY	SUPPLY
SQ	SQUARE
SQ IN	SQUARE INCH
SQ YD	SQUARE YARD
SS	SANITARY SEWER OR SERVICE SINK
SST	STAINLESS STEEL
ST	STAIRS OR STREET
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STIF	STIFFENER
STL	STEEL
STL LNTL	STEEL LINTEL
STL RF DK	STEEL ROOF DECK
STL TB	STEEL TUBE
STNLS	STAINLESS
STOR	STORAGE
STR	STRINGERS
STRUCT	STRUCTURAL
SUB	SUBSTITUTE
SURF	SURFACE
SUSP	SUSPEND
SV	SHEET VINYL
SW	SWITCH
SWDR	SWING DOOR
SYM	SYMBOL
SYNTH	SYNTHETIC
SYS	SYSTEM
T	TREAD
TA	TOILET ACCESSORY
T&G	TONGUE AND GROOVE
T&M	TIME AND MATERIALS
TB	THROUGH BOLT OR TOWEL BAR
TCA	TILE COUNCIL OF AMERICA
TCP	TELEPHONE CONTROL PANEL OR TEMPERATURE CONTROL PANEL OR TRAFFIC CONTROL PLAN
TD	TOWEL DISPENSER
TECH	TECHNICAL
TEL	TELEPHONE
TEMP	TEMPERATURE OR TEMPORARY
TER	TERRAZZO
THD	THREAD
THERM	THERMAL
THK	THICKNESS
THRES	THRESHOLD
THRU	THROUGH
THRUOUT	THROUGHOUT
TK BD	TACKBOARD
TMPD	TEMPERED
TN	TRUE NORTH
TO	TOP OF
TO FDN	TOP OF FOUNDATION
TOB	TOP OF BEAM
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOS	TOP OF STEEL
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TPH	TOILET PAPER HOLDER
TR	TOWEL RACK
TRANS	TRANSOM
TRANS WD FIN	TRANSPARENT WOOD FINISH
TRTD	TREATED
TS	TENSILE STRENGTH OR TUBE STEEL
TSTAT	THERMOSTAT
TV	TELEVISION
TYP	TYPICAL
U	HEAT TRANSFER COEFFICIENT
UC	UNDERCUT
UCD	UNDERCUT DOOR
UGND	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
ULT	ULTIMATE
UNFIN	UNFINISH
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UR	URINAL
UTIL	UTILITY
UV	ULTRAVIOLET
V	VOLT
VAC	VACUUM
VAR	VARIES
VCT	VINYL COMPOSITION TILE OR VITRIFIED CLAY TILE
VEH	VEHICLE
VENT	VENTILATION
VERT	VERTICAL
VEST	VESTIBULE
VFAT	VINYL FACED ACOUSTICAL TILE
VIC	VICINITY
VID	VIDEO
VIF	VERIFY IN FIELD
VNR	VENEER
VOC	VOLATILE ORGANIC COMPOUND
VOL	VOLUME
VOLT	VOLTAGE
VP	VENEER PLASTER
VR	VAPOR RETARDER
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
VWF	VINYL WALL FABRIC
W/	WITH
W/O	WITHOUT
WARR	WARRANTY
WBL	WOOD BLOCKING
WC	WALL COVERING OR WATER CLOSET
WC WL HNG	WATER CLOSET, WALL HUNG
WCHR	WATER CHILLER
WCL WL MTD	WATER COOLER, WALL HUNG
WD	WOOD
WDW	WINDOW
WF	WIDE FLANGE
WFAB	WALL FABRIC
WFR	WOOD FRAME
WFS	WOOD FURRING STRIPS
WH	WATER HEATER
WHSE	WAREHOUSE
WLD	WELDED
WM	WIRE MESH
WP	WATERPROOFING
WPD	WATER PRESSURE DROP
WPM	WATERPROOF MEMBRANE
WR	WEATHER RESISTANT
WS	WEATHERSTRIP
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
X BRACE	CROSS BRACE
XPS	EXTRUDED POLYSTYRENE BOARD (INSULATION)
YD	YARD
YR	YEAR

ARCHITECTURAL SYMBOLS

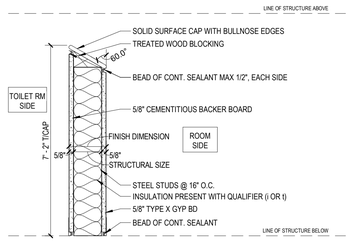


REFLECTED CEILING PLAN SYMBOLS



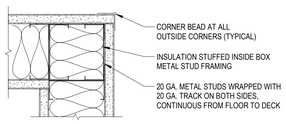
CONSTRUCTION GENERAL NOTES

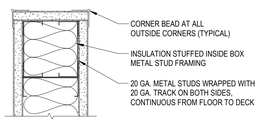
1. THE CONTRACT DOCUMENT DRAWINGS HAVE BEEN PREPARED USING REVIT® SOFTWARE IN A MICROSOFT WINDOWS ENVIRONMENT. A BUILDING INFORMATION MODEL (BIM) HAS BEEN DEVELOPED FOR DESIGN COMMUNICATION. THE MODEL DOES NOT CONTAIN COMPLETE INFORMATION FOR USE IN COST ESTIMATING, SYSTEMS PERFORMANCE, COORDINATION, SCHEDULING, OR FACILITIES MANAGEMENT.
2. THE CONTRACT DOCUMENT DRAWINGS HAVE BEEN PREPARED USING THE CONSTRUCTION SPECIFICATIONS INSTITUTE'S UNIFORM DRAWING SYSTEM AND THE NATIONAL CAD STANDARD AS GUIDES.
3. DISCREPANCIES IN THE CONTRACT DOCUMENTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT AND OWNER'S REPRESENTATIVE/COR. CONTRACTOR SHALL PROVIDE THE HIGHER GRADE OF QUALITY AND/OR GREATER QUANTITY OF WORK WHEN BIDDING IF A CLARIFICATION CAN NOT BE OBTAINED BY THE BID DUE DATE.
4. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SCOPE OF WORK WITH OWNER'S REPRESENTATIVE/COR AND VARIOUS FACILITY PERSONNEL INVOLVED WITH UTILITY SHUT DOWN, INFECTION CONTROLS, OCCUPANT/EMPLOYEE SAFETY, ACCESS CONTROL, ETC.
5. ANY INDICATION OF PROJECT LIMITS OR BOUNDARY OF DEMARCATION ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR. THE FULL SCOPE OF THE PROJECT LIMIT OF BOUNDARY REQUIRES COORDINATION WITH THE DESIGN SCOPE OF WORK AND ACCESS TO EXISTING UTILITIES FOR TIE IN.
6. DRAWINGS ARE PREPARED FROM FIELD VERIFICATION, EXISTING FACILITY DRAWING BASE FILES, AND USING DIMENSIONS, CONFIGURATIONS AND DETAILS OF SPECIFIC MANUFACTURERS AS A BASIS OF DESIGN. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ACTUAL DIMENSIONS, THE COORDINATION OF THE DETAILS WITH THE PRODUCTS WHICH ARE PROVIDED PER THE SCOPE OF THE SPECIFICATIONS AND THE SURROUNDING CONSTRUCTION. CONTRACTOR SHALL VERIFY DIMENSIONS, ROUGH-IN DIMENSIONS, CONNECTIONS, AND OVERALL INSTALLATION REQUIREMENTS.
7. CONTRACTOR IS RESPONSIBLE FOR THE COMPLETION OF THE ENTIRE SCOPE OF WORK OUTLINED IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL SUB-CONTRACTORS AND THE SCOPE OF WORK THEY PROVIDE. SUB-CONTRACTORS ARE RESPONSIBLE FOR THEIR FULL SCOPE OF WORK WITHIN THE CONTRACT DOCUMENTS. TRADES ARE NOT SEGMENTED TO ONLY CERTAI



1 PARTIAL PARTITION @ SHOWER

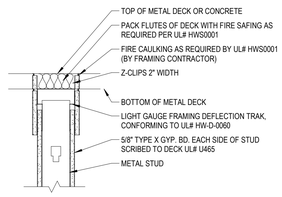
AE002 SCALE: 1 1/2" = 1'-0"





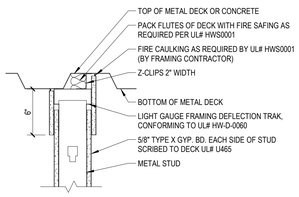
3 TYPICAL CORNER FRAMING DETAIL

AE002 SCALE: 3" = 1'-0"



PERPENDICULAR

NOTE:
NON-RATED CONSTRUCTION SIMILAR W/O FIRE SAFING & SCRIBING BYP. BD. TO DECK



PARALLEL

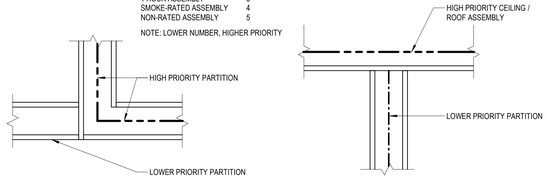
NOTE:
NON-RATED CONSTRUCTION SIMILAR W/O FIRE SAFING & SCRIBING BYP. BD. TO DECK

2 DEFLECTION TRACK

AE002 SCALE: 1 1/2" = 1'-0"

RATING	PRIORITY
3 HOUR ASSEMBLY	1
2 HOUR ASSEMBLY	2
1 HOUR ASSEMBLY	3
SMOKE-RATED ASSEMBLY	4
NON-RATED ASSEMBLY	5

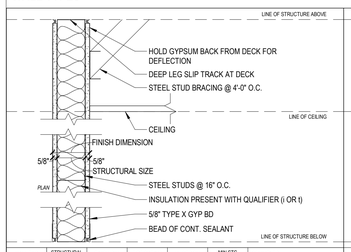
NOTE: LOWER NUMBER, HIGHER PRIORITY



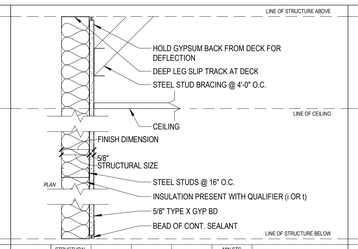
1 RATED WALL PRIORITY

AE002 SCALE: 1 1/2" = 1'-0"

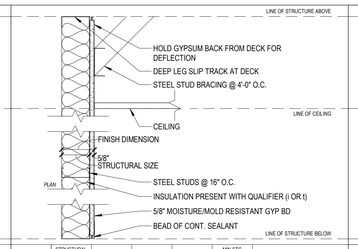
WALL TYPES



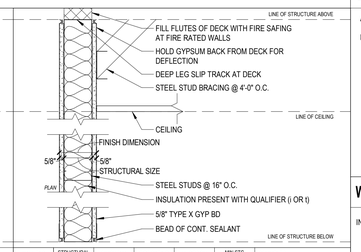
WALL TAG	STRUCTURAL SIZE	FINISH DIM	FIRE RATING	UL DESIGN	MIN STC RATING	COMMENTS
S6A.SPi	6"	7 1/4"	NA	NA	NA	NA



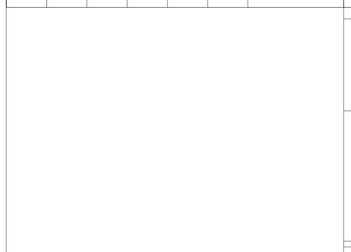
WALL TAG	STRUCTURAL SIZE	FINISH DIM	FIRE RATING	UL DESIGN	MIN STC RATING	COMMENTS
F3A.Gi	3 5/8"	4 1/4"	NA	NA	NA	NA
F6A.Gi	6"	6 5/8"	NA	NA	NA	NA



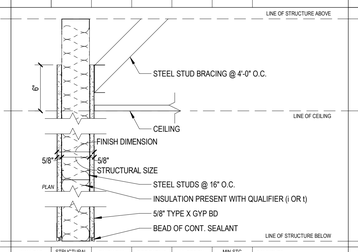
WALL TAG	STRUCTURAL SIZE	FINISH DIM	FIRE RATING	UL DESIGN	MIN STC RATING	COMMENTS
F3A.MR	3 5/8"	4 1/4"	NA	NA	NA	NA
F6A.MR	6"	6 5/8"	NA	NA	NA	NA
F3A.MR	3 5/8"	4 1/4"	NA	NA	34	NA
F6A.MR	6"	6 5/8"	NA	NA	37	NA



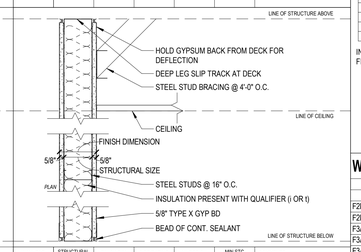
WALL TAG	STRUCTURAL SIZE	FINISH DIM	FIRE RATING	UL DESIGN	MIN STC RATING	COMMENTS
S3A.1Fi	3 5/8"	4 7/8"	1 HR.	U465	40	NA
S6A.1Fi	6"	7 1/4"	1 HR.	U465	40	NA
S3A.1SBi	3 5/8"	4 7/8"	1 HR.	U465	40	NA
S6A.1SBi	6"	7 1/4"	1 HR.	U465	40	NA



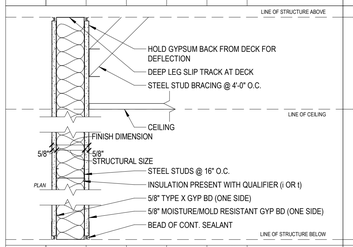
WALL TAG	STRUCTURAL SIZE	FINISH DIM	FIRE RATING	UL DESIGN	MIN STC RATING	COMMENTS
F3A.SPi	3 5/8"	4 1/4"	NA	NA	NA	NA



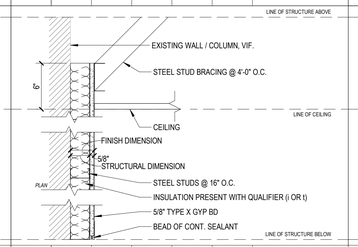
WALL TAG	STRUCTURAL SIZE	FINISH DIM	FIRE RATING	UL DESIGN	MIN STC RATING	COMMENTS
S2C.G	2 1/2"	3 3/4"	NA	NA	NA	NA
S3C.G	3 5/8"	4 7/8"	NA	NA	NA	NA
S6C.G	6"	7 1/4"	NA	NA	NA	NA



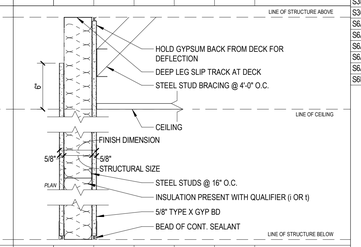
WALL TAG	STRUCTURAL SIZE	FINISH DIM	FIRE RATING	UL DESIGN	MIN STC RATING	COMMENTS
S2A.G	2 1/2"	3 3/4"	NA	NA	NA	NA
S3A.G	3 5/8"	4 7/8"	NA	NA	NA	NA
S3A.Gi	3 5/8"	4 7/8"	NA	NA	NA	NA
S6A.Gi	6"	7 1/4"	NA	NA	NA	NA



WALL TAG	STRUCTURAL SIZE	FINISH DIM	FIRE RATING	UL DESIGN	MIN STC RATING	COMMENTS
S3A.GMR	3 5/8"	4 7/8"	NA	NA	NA	NA
S6A.GMR	6"	7 1/4"	NA	NA	NA	NA
S3A.GMR	3 5/8"	4 7/8"	NA	NA	40	NA
S6A.GMR	6"	7 1/4"	NA	NA	40	NA



WALL TAG	STRUCTURAL SIZE	FINISH DIM	FIRE RATING	UL DESIGN	MIN STC RATING	COMMENTS
F00.G	7/8"	1 1/2"	NA	NA	NA	HAT CHANNEL @ 24" O.C.
F20.Gi	2 1/2"	3 1/8"	NA	NA	NA	NA
F20.Gt	2 1/2"	3 1/8"	NA	NA	NA	NA
F30.G	3 5/8"	4 1/4"	NA	NA	NA	NA
F60.G	6"	6 5/8"	NA	NA	NA	NA

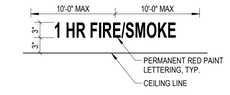


WALL TAG	STRUCTURAL SIZE	FINISH DIM	FIRE RATING	UL DESIGN	MIN STC RATING	COMMENTS
S2B.G	2 1/2"	3 3/4"	NA	NA	NA	NA
S3B.G	3 5/8"	4 7/8"	NA	NA	34	NA
S6B.G	6"	7 1/4"	NA	NA	37	NA
S3B.SPi	3 5/8"	4 7/8"	NA	NA	NA	SMOKE PARTITION
S6B.SPi	6"	7 1/4"	NA	NA	NA	SMOKE PARTITION

STENCILING NOTES

A. LETTERED STENCILS SHALL BE APPLIED TO EACH SIDE OF RATED PARTITIONS AT 10'-0" INTERVALS; BUT NO LESS THAN ONCE PER PARTITION LENGTH.

B. USE THE FOLLOWING LANGUAGE FOR STENCILS:
"1 HR FIRE/SMOKE" "1 HR FIRE"
"2 HR FIRE/SMOKE" "2 HR FIRE"
"LIMIT TRANSFER OF SMOKE"



WALL TAG LEGEND

X#X.#

INDICATES STRUCTURAL MATERIAL
- CH = SHAFT WALL
- F = FURRING
- S = STEEL
- M = MASONRY
- W = WOOD

INDICATES NOMINAL SIZE

	CH	F	S	M	W
0	- -	7/8	- -	- -	- -
1	- -	1 1/2"	- -	- -	3/4"
2	2 1/2"	2 1/2"	2 1/2"	- -	- -
3	- -	3 5/8"	3 5/8"	2 5/8"	3 1/2"
4	4"	4"	4"	3 5/8"	- -
6	6"	6"	6"	5 5/8"	5 1/2"
8	- -	8"	8"	7 5/8"	7 1/4"
12	- -	12"	12"	11 5/8"	11 1/4"

INDICATES STRUCTURE AND FINISH HEIGHTS
- A = STRUCTURE TO DECK, FINISH TO DECK
- B = STRUCTURE TO DECK, FINISH ONE SIDE TO DECK
- C = STRUCTURE TO DECK, FINISH TO ABOVE CEILING
- D = STRUCTURE TO ABOVE CEILING, FINISH TO ABOVE CEILING
- P = PARTIAL HEIGHT WALL
- U = STRUCTURE TO UNDERSIDE OF CELING, FINISH TO UNDERSIDE OF CEILING

*SEE WALL TYPES FOR PROJECT SPECIFIC CONSTRUCTION

QUALIFIER'S (X-X-X)

G	GYPSUM BOARD FINISH
1SB	1 HR RATED SMOKE BARRIER
2SB	2 HR RATED SMOKE BARRIER
1F	1 HR FIRE RATED
2F	2 HR FIRE RATED
i	SOUND INSULATION
t	THERMAL INSULATION
B	BULLET RESISTANT
L	LEAD LINED
M	MESH (STEEL SECURITY MESH)
MR	MOIST/MOLD RESISTANT GYPSUM
SP	SMOKE PARTITION
TB	TILE BACKER CEMENT BOARD

WALL TYPE SCHEDULE

WALL TYPES USED IN THIS PROJECT
F2D.Gi
F2D.Gt
F3A.Gi
F3A.MRi
F3A.SPi
F3D.G
F6A.Gi
F6A.SPi
S3A.1Fi
S3A.1SBi
S3A.Gi
S3A.GiMR
S3B.SPi
S3C.G
S6A.1Fi
S6A.1SBi
S6A.Gi
S6A.GiMR
S6A.SPi
S6B.SPi

WALL TYPES LEGEND AND GENERAL NOTES

A. ALL WALLS WILL BE WALL TYPS S3A.Gi UNLESS OTHERWISE NOTED.

B. ALL WALL TYPE INDICATORS REFER TO THIS SHEET UNLESS OTHERWISE NOTED.

C. REFER TO DIMENSION PLANS FOR PARTITION TYPE LOCATIONS. PARTITIONS ARE DISTINGUISHED ON PLANS BY SYMBOL DESIGNATION GRAPHIC DESIGNATION, OR A COMBINATION OF BOTH. NOT ALL PARTITIONS ON THIS SHEET MAY BE USED. REFER TO PARTITION TYPE SCHEDULE ON THIS SHEET FOR PARTITIONS USED ON THIS PROJECT.

D. ALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD, OR TO FACE OF BLOCK. REFER TO PARTITIONS ON AE002 FOR PARTITION WIDTH DIMENSIONS.

E. ALL WALLS TO BE 16" O.C. UNLESS OTHERWISE NOTED.

F. REFER TO SPECIFICATIONS AND TO TABLE ON THIS SHEET FOR MINIMUM STUD GAUGE, MAXIMUM SPACING AND ALLOWABLE LIMITING HEIGHT DEFLECTION CRITERIA FOR GYPSUM BOARD ASSEMBLIES AND REQUIRED FINISHES. FOR WALLS WHERE STUDS ARE ATTACHED TO STRUCTURE ABOVE. PROVIDE CROSS BRACING AS NECESSARY MEETING THE CRITERIA INDICATED TO ACCOMMODATE THE SPECIFIED DEFLECTION CRITERIA OF THE WALL.

G. ALL INTERIOR NON-BEARING STUDS TO BE DESIGNED FOR A DEFLECTION EQUAL TO BUT NOT GREATER THAN L/240, UNLESS FULL HEIGHT FINISH IS DETERMINED TO BE FRAGILE OR BRITTLE, THEN DEFLECTION TO BE L/360. EXAMPLES OF FRAGILE FINISHES WOULD INCLUDE BUT NOT LIMITED TO ANY TYPE OF WALL TILE, PLASTER OR PLASTER SKIM COAT.

H. ALTHOUGH WALL STUD SIZES ARE LISTED ON PLANS AND WALL TYPE LIST WHERE STUDS ARE TO STRUCTURE ABOVE OR HIGH AREAS, CONTRACTOR TO VERIFY SIZED INDICATED IS ADEQUATE FOR HEIGHT LISTED. PROVIDE ADEQUATE SIZE STEEL STUD FRAMING AND NOTIFY ARCHITECT OF ANY DISCREPANCY PRIOR TO FABRICATION OR INSTALLATION.

I. KING STUDS AT DOOR FRAMES TO BE 18 GA. UNLESS OTHERWISE NOTED.

J. PROVIDE 5/8" TYPE "X" GYPSUM WALLBOARD FOR ALL OTHER WALL CONSTRUCTION, UNLESS OTHERWISE NOTED.

K. PROVIDE 5/8" TYPE "X" GYPSUM WALLBOARD IN BULKHEAD CONSTRUCTION.

L. REFER TO LIFE SAFETY PLANS FOR LOCATIONS AND RATINGS OF SMOKE AND FIRE RATED PARTITIONS. REFERENCE TEST NUMBERS APPLY ONLY TO PARTITIONS INDICATED TO BE RATED.

M. FIRE RATING TEST NUMBERS ARE FOR UNDERWRITER'S LABORATORIES (UL) ASSEMBLIES UNLESS OTHERWISE NOTED.

N. FIRE RESISTANT RATED PARTITIONS SHALL EXTEND TO THE INSIDE FACE OF EXTERIOR SHEATHING, INCLUDING EXTENSIONS THROUGH SOFFITS.

O. SEAL ALL OPENINGS, GAPS, PENETRATIONS, AND JOINTS IN PARTIONS TYPES AS FOLLOWS:
- a. FIRE RATED PARTITIONS: SEAL IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED FOR THROUGH PENETRATION FIRESTOP SYSTEMS AND FIRE RESISTIVE JOINT SYSTEMS.
- b. SMOKE TIGHT PARTITIONS: SEAL COMPLETELY WITH ELASTOMERIC SEALANT. FOR THE LOCATION AND EXTENT OF PARTITIONS, DESIGNATED AS "SMOKE TIGHT", REFER TO THE LIFE SAFETY DRAWINGS.
- c. ALL OTHER LOCATIONS: SEAL AS INDICATED AND REQUIRED ELSEWHERE BY THE CONTRACT DOCUMENTS.

P. INSULATION HEAD CONDITIONS AT FLOOR / ROOF DECK:
- a. FIRE RESISTANT RATED PARTITIONS SHALL USE MINERAL WOOL INSULATION AND APPROPRIATE FIRE RATED SEALANT.
- b. NON-RATED PARTITIONS REQUIRING SOUND ATTENUATION SHALL USE SOUND ATTENUATION BATTS (SAB).

Q. PROVIDE STENCILED IDENTIFICATION FOR RATED PARTITIONS.

R. STC RATING APPLIES WHERE PARTION TAG QUALIFIER INDICATES WITH AN "i". PROVIDE SOUND ATTENUATION BATTS OF THICKNESS INDICATED ON SCHEDULE WHERE INDICATED BY QUALIFIER.

S. FOR PARTITIONS WITH STC RATINGS INDICATED SOUND ATTENUATION BATTS TO EXTEND FULL HEIGHT OF PARTITION UNLESS OTHERWISE NOTED. FLOOR TRACK TO BE SET IN A CONTINUOUS BED OF SEALANT.

T. WHERE PARTITION TYPE INDICATES SOUND ACOUSTICAL BAT, WITH FINISH BOARD GOING TO DECK ON ONE SIDE ONLY, PROVIDE VAPOR BARRIER TO SECURE INSULATION IN PLACE.

U. REFER TO DIMENSIONED PLANS FOR REFERENCE SYMBOLS INDICATING THE EXTENT OF RADIATION PROTECTION.

V. PROVIDE 5/8" MOISTURE/MOLD RESISTANT GYPSUM BOARD IN SOILED ROOMS, BATHROOMS, TOILET ROOMS, ON WALLS BEHIND PLUMBING FIXTURES, AND IN ALL WET LOCATIONS EXCEPT IN SHOWER AREA.

W. PROVIDE 5/8" CEMENTITIOUS BACKER BOARD BEHIND CERAMIC WALL TILE & SHOWER AREA. COORDINATE LOCATIONS WITH FINISH WALL PLANS.

X. PROVIDE CORNER AND END WALL FRAMING AS DETAILED ON 3/AE002.

Y. ALL EXTERIOR FURRING WALLS TO HAVE SPRAY FOAM INSULATION.

WALL RATING LEGEND

	2 HR FIRE RATED
	1 HR FIRE RATED
	3 HR SMOKE BARRIER
	2 HR SMOKE BARRIER
	1 HR SMOKE BARRIER
	SMOKE PARTITION

SSMA NON-COMPOSITE STUDS

NOTE:
- TYPICAL LIMITING HEIGHTS-INTERIOR PARTITIONS; L/240 (5 PSF), WITH 5/8"GYPSUM BOARD EACH SIDE.
- PROVIDE DIAGONAL STUD BRACING AT ALL NON FULL HEIGHT INTEROR PARTITIONS STAGGERED AT 48" O.C. TO DECK ABOVE. PROVIDE STUD ATTACHMENT TO DECK W/ MIN. SPAN OF 2 DECK FLUTES. BRACING TO BE THE SAME SIZE AND GAUGE AS VERTICAL STUDS.

25 GA. STUDS (NON-COMPOSITE)

STUD WIDTH	STUD SPACING	ALLOW. DEFLECTION	HEIGHT
1-5/8"	16"	L/240	6'-11"
162S125-18	24"	L/240	6'-0"
2-1/2"	16"	L/240	9'-6"
250S125-18	24"	L/240	8'-4"
3-5/8"	16"	L/240	12'-5"
362S125-18	24"	L/240	10'-10"
4"	16"	L/240	13'-9"
400S125-18	24"	L/240	12'-0"

22 GA. STUDS (NON-COMPOSITE)

STUD WIDTH	STUD SPACING	ALLOW. DEFLECTION	HEIGHT
1-5/8"	16"	L/240	8'-1"
162S125-27	24"	L/240	7'-1"
2-1/2"	16"	L/240	11'-2"
250S125-27	24"	L/240	9'-9"
3-5/8"	16"	L/240	14'-6"
362S125-27	24"	L/240	12'-8"
4"	16"	L/240	16'-1"
400S125-27	24"	L/240	14'-0"
6"	16"	L/240	22'-4"
600S125-27	24"	L/240	19'-6"

20 GA. STUDS (NON-COMPOSITE)

STUD WIDTH	STUD SPACING	ALLOW. DEFLECTION	HEIGHT
1-5/8"	16"	L/240	8'-4"
162S125-30	24"	L/240	7'-3"
2-1/2"	16"	L/240	11'-7"
250S125-30	24"	L/240	10'-1"
3-5/8"	16"	L/240	15'-0"
362S125-30	24"	L/240	13'-1"
4"	16"	L/240	16'-8"
400S125-30	24"	L/240	14'-7"
6"	16"	L/240	23'-1"
600S125-30	24"	L/240	20'-2"

18 GA. STUDS (NON-COMPOSITE)

STUD WIDTH	STUD SPACING	ALLOW. DEFLECTION	HEIGHT
2-1/2"	16"	L/240	13'-0"
250S125-43	24"	L/240	11'-5"
3-5/8"	16"	L/240	17'-5"
362S125-43	24"	L/240	15'-3"
4"	16"	L/240	18'-10"
400S125-43	24"	L/240	16'-5"
6"	16"	L/240	26'-1"
600S125-43	24"	L/240	22'-10"

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LUKE J. LEISING
REGISTERED ARCHITECT

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: WALL TYPES
Approved:
Phase: 100% CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED
Project Title: RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC
Location: 1670 CLAIRMONT RD, DECATUR, GA
Issue Date: 09/21/2023
Checked: ARO
Drawn: TAA
Project Number: 508-22-105
Building Number: C
Drawing Number: AE002

VA FORM 08 - 6231

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ARCHITECTURAL SYMBOLS

PROJECT BOUNDARY

BEYOND PROJECT BOUNDARY, NIC

NORTH ARROW

WALLS

NEW WALL

EXISTING WALL TO REMAIN

WALL TO BE REMOVED

TEMPORARY IC BARRIER WALL CONSTRUCTION

DOORS

NEW DOOR

EXISTING DOOR

DEMOLISHED DOOR

KEY NOTE SYMBOLS

1 DEMOLITION NOTE

DEMOLITION GENERAL NOTES

A. COORDINATE DEMOLITION WITH NEW CONSTRUCTION. ALL DEMOLITION AND REPAIR NECESSARY TO COMPLETE NEW AND REMODEL CONSTRUCTION SHALL BE PROVIDED. CONTRACTOR SHALL REMOVE EXISTING IMPROVEMENTS WHETHER OR NOT SPECIFICALLY INDICATED ON THE DRAWINGS TO FACILITATE THE COMPLETION OF ALL REQUIRED WORK. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL QUANTITIES AND ITEMS REQUIRED TO BE REMOVED.

B. REFER TO ARCHITECTURAL SYMBOLS ON SHEET AE001 FOR DEMOLITION SYSTEMS AND DRAWING NOMENCLATURE.

C. EXISTING STRUCTURE WITHIN THE PROJECT BOUNDARY SHALL REMAIN UNLESS OTHERWISE NOTED.

D. SURFACES TO BE CUT AND CONDITIONS UNDER WHICH CUTTING IS TO BE PREFORMED SHALL BE REVIEWED BY CONTRACTOR PRIOR TO CUTTING TO VERIFY NO UNSAFE OR UNSATISFACTORY CONDITIONS EXIST. SUCH CONDITIONS SHALL BE RECTIFIED BEFORE WORK MAY PROCEED.

E. EXTENTS OF DEMOLITION SHALL BE COORDINATED WITH THE SIXTH FLOOR ARCHITECTURAL PLAN AE101 AND ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION.

F. DIMENSIONS SHOWN FOR EXISTING CONSTRUCTION TO BE DEMOLISHED ARE APPROXIMATE AND ARE INTENDED TO GIVE A GENERAL SCOPE OF WORK TO BE REMOVED OR TEMPORARILY REMOVED TO ACCOMMODATE NEW CONSTRUCTION. COORDINATE DEMOLITION WORK WITH DESIGN INTENT OF NEW CONSTRUCTION TO PROVIDE ADEQUATE AREA FOR THIS WORK.

G. CONTRACTORS SHALL REMOVE INDICATED DEMOLITION OF CONSTRUCTION ASSEMBLIES IN THEIR ENTIRETY, UNLESS OTHER WISE NOTED, TO ACCOMMODATE NEW CONSTRUCTION.

H. MAKE ALL DEMOLITION CLEAN AND COMPLETE IN A MANNER TO RECEIVE NEW FINISHES. DEMOLITION SHOULD BE PERFORMED IN A MANNER SUCH THAT THE CONTRACTOR CAN SEAMLESSLY PATCH NEW WORK TO BE SMOOTH AND UNDETECTABLE.

DEMOLITION GENERAL NOTES

I. ABOVE CEILING WORK WHERE CEILINGS ARE TO REMAIN, CEILING TILES SHALL BE REMOVED AND STORED IN A SAFE MANNER UNTIL CEILING TILES CAN BE REINSTALLED. DAMAGED AND BROKEN CEILING TILES SHALL BE REPLACED BY CONTRACTOR. GYPSUM BOARD CEILINGS SHALL BE PATCHED AND PAINTED TO SEAMLESSLY MATCH EXISTING CEILING COLOR. FOLLOWING ABOVE CEILING DEMOLITION ACTIVITY, THIS SHALL INCLUDE REPAIR TO THE CEILING GRID, SUSPENSION SYSTEM AND ALL ASSOCIATED ASSEMBLIES AS WELL AS THE REPLACEMENT OF DAMAGED CEILING PANELS, WITHIN AND BEYOND PROJECT LIMITS.

J. COORDINATE FULL SCOPE OF DEMOLITION WORK WITH ENGINEERING AND VENDOR DRAWINGS.

K. WHERE EXISTING FLOOR FINISH IS REMOVED, FLOORING AND ADHESIVE SHALL BE REMOVED TO PROVIDE A CLEAN FLOOR SLAB. FLOOR SLAB SHALL BE FILLED/ LEVELED TO PROVIDE A LEVEL FINISH PER NEW FLOORING MANUFACTURES RECOMMENDATIONS. REFER TO SPECIFICATION 09 05 16.

L. WALLS SHALL BE REMOVED THROUGHOUT PROJECT BOUNDARY UNLESS OTHERWISE INDICATED.

M. COLUMN WRAPS SHALL BE REMOVED FROM EXISTING COLUMNS THROUGHOUT PROJECT BOUNDARY UNLESS OTHERWISE INDICATED.

N. FLOORING AND WALL BASE SHALL BE REMOVED THROUGHOUT PROJECT BOUNDARY UNLESS OTHERWISE INDICATED.

O. REMOVE WALL MOUNTED ACCESSORIES AND MOUNTING HARDWARE THROUGHOUT PROJECT BOUNDARY UNLESS OTHERWISE NOTED.

P. REMOVE ALL PLUMBING FIXTURES AND ASSOCIATED ACCESSORIES THROUGHOUT PROJECT BOUNDARY UNLESS OTHERWISE NOTED. REFER TO PLUMBING PLAN FOR ADDITIONAL INFORMATION.

Q. REMOVE DOOR LEAVES, FRAMES AND HARDWARE THROUGHOUT PROJECT BOUNDARY UNLESS OTHERWISE NOTED.

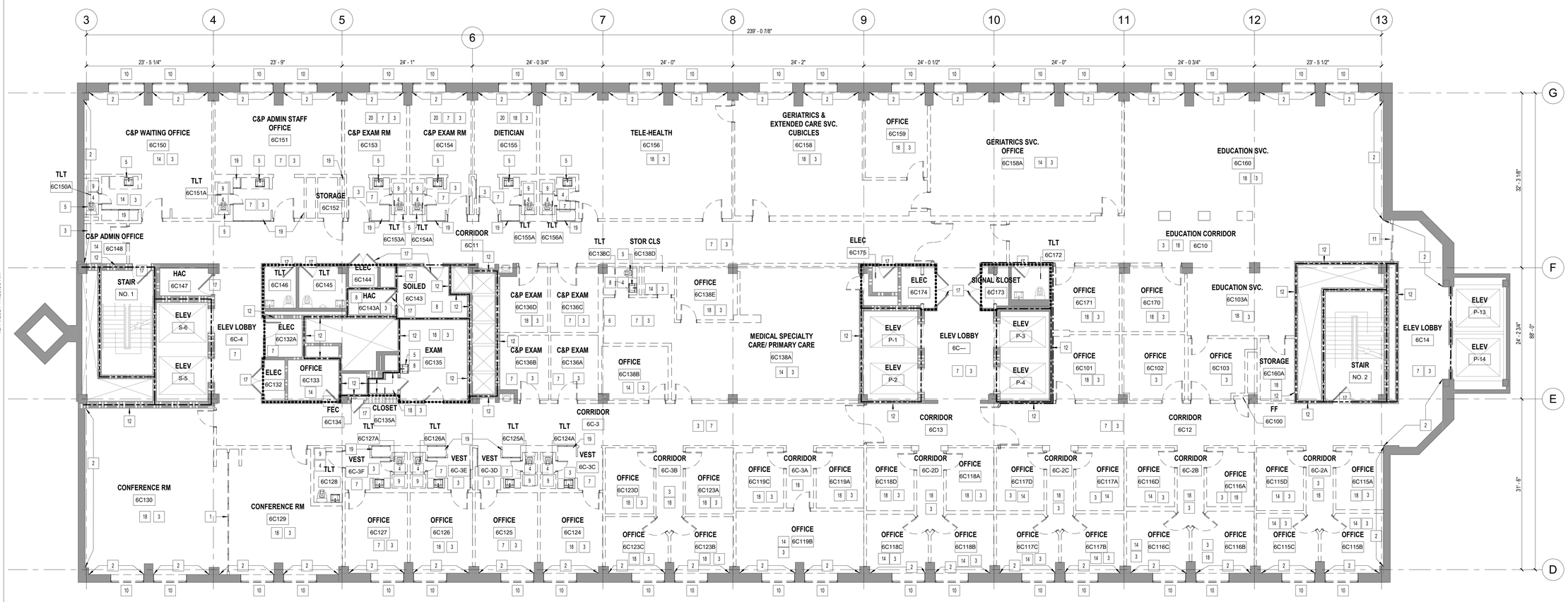
R. REMOVE EXISTING WALL PROTECTION, CORNER GUARDS, HANDRAILS AND/ OR GUARDRAILS THROUGHOUT PROJECT BOUNDARY UNLESS OTHERWISE NOTED.

S. REMOVE WINDOW SILLS.

DEMOLITION PLAN NOTES

#

1. REMOVE OPERABLE PARTITION IN ITS ENTIRETY.
2. REMOVE EXISTING STUD AND DRYWALL AT EXTERIOR WALL, FULL HEIGHT. DO NOT REMOVE EXISTING STUDS AND DRYWALL FROM AROUND EXTERIOR COLUMNS.
3. REMOVE ACOUSTIC PANEL CEILING ASSEMBLY IN ITS ENTIRETY.
4. REMOVE GYPSUM BOARD CEILING ASSEMBLY IN ITS ENTIRETY.
5. REMOVE PLUMBING FIXTURE. SEE MEP DRAWINGS FOR MORE INFO.
6. REMOVE WALL AND FLOOR MOUNTED CASEWORK.
7. REMOVE RESILIENT TILE FLOORING AND WALL BASE.
8. REMOVE CERAMIC TILE FLOORING, ASSUME 2" THICK SET MORTAR BED.
9. REMOVE CERAMIC TILE FLOORING, ASSUME 2" THICKSET MORTAR BED, AND 3/4" WALL TILE.
10. REMOVE EXTERIOR WINDOW. PREPARE FOR NEW CONSTRUCTION.
11. REMOVE EXISTING SLIDING STOREFRONT DOOR AND ASSOCIATED PARTITION.
12. EXISTING FIRE RATED SHAFT WALL CONSTRUCTION TO REMAIN.
13. REMOVE BULKHEAD CONSTRUCTION.
14. REMOVE CARPET FLOORING.
15. EXISTING EXPANSION JOINT. REMOVE COVER PLATE AND PREP FOR NEW EXPANSION JOINT COVER.
16. REMOVE EXISTING WALL FINISH FROM EXISTING WALL TO REMAIN. SAND AND PREP TO RECEIVE SCHEDULED FINISH, REFER TO AF101.
17. EXISTING DOOR, FRAME AND HARDWARE TO REMAIN.
18. REMOVE LVT FLOORING AND WALL BASE.
19. REMOVE METAL LOCKERS AND BASE.
20. REMOVE CEILING MOUNTED CURTAIN TRACKS.



1 AD101 SIXTH FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SIXTH FLOOR DEMOLITION PLAN	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: AD101
		Issue Date: 09/21/2023 · Checked: ARO · Drawn: TAA	

VA FORM 08 - 6231

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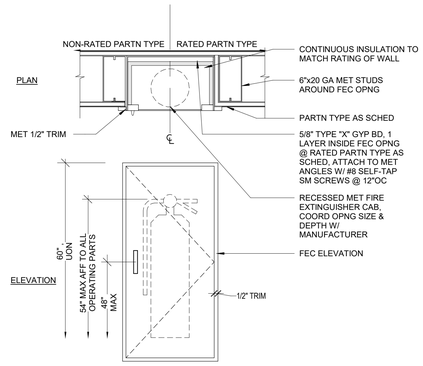


2 AE101 **FIRE EXTINGUISHER DETAIL**
SCALE: 1 1/2" = 1'-0"

ARCHITECTURAL GENERAL NOTES

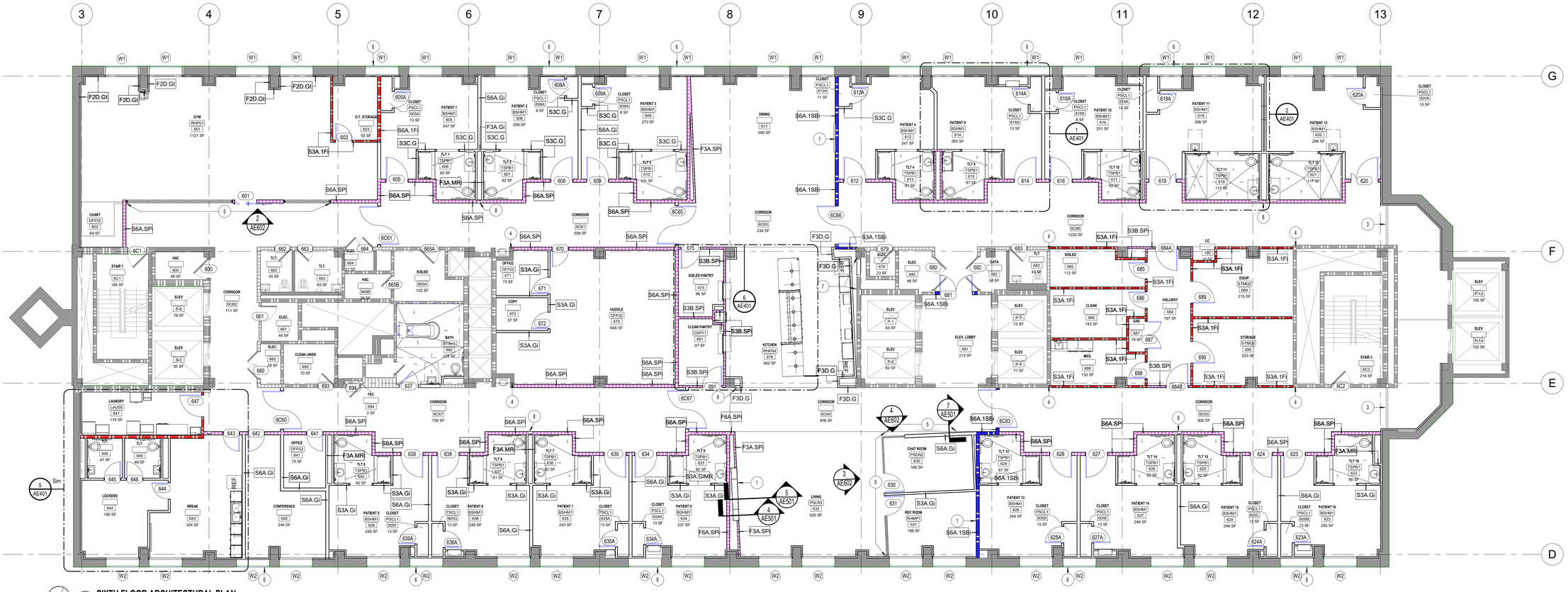
A.	REFERENCE MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL FOR COORDINATION ITEMS. COORDINATE AS REQUIRED INCLUDING NECESSARY FRAMING, BLOCKING, ETC.
B.	VERIFY EXISTING FIELD CONDITIONS PRIOR TO BEGINNING WORK, AND REPORT DISCREPANCIES IMMEDIATELY TO ARCHITECT FOR CLARIFICATION.
C.	PATCH EXISTING WALLS WHERE NEW WALLS MEET.
D.	ALL HANDRAILS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH ALL REQUIREMENTS OF AMERICANS WITH DISABILITIES ACT GUIDELINES AND ALL CODES AND REGULATIONS HAVING JURISDICTION, THE MOST STRINGENT SHALL PREVAIL.
E.	PROVIDE MINIMUM CLEARANCES AT ALL DOORS PER ADA REQUIREMENTS.
F.	WHERE NO DIMENSION IS INDICATED, FINISH DOORS 6" FROM EDGE OF STUD FRAMING AT CORNERS UNLESS OTHERWISE NOTED.
G.	REFER TO SHEET QH102 FOR ACCESSORIES TO BE PROVIDED IN THE TOILET/BATH ROOMS AND AT THE HAND LAVATORIES.
H.	LEVEL AND INFILL FLOOR SLAB TO RECEIVE NEW FLOORING. REFER TO SPECIFICATIONS AND FLOORING MANUFACTURE'S TOLERANCES FOR ADDITIONAL INFORMATION.
I.	PROVIDE METAL PLATE ON UNDERSIDE OF FLOOR SLAB WHERE CONCRETE INFILL IS REQUIRED AND CHIP AWAY CONCRETE AT FLOOR LEVEL TO CREATE A SLOPED OPENING/LIP TO PATCH PENETRATIONS AND PREVENT CONCRETE INFILL CORE FROM FALLING THROUGH OPENING TO FLOOR BELOW.
J.	PROVIDE IN WALL BLOCKING FOR HNADRAILS, BUMPER RAILS AND ALONG THE TOP EDGE OF WALL PROTECTION. COORDINATE LOCATIONS WITH AI102 SIXTH FLOOR WALL PROTECTION PLAN.

ARCHITECTURAL PLAN NOTES

1.	PROVIDE BLOCKING 60"-80" AFF AND 24" TO EITHER SIDE OF LCD SCREEN MOUNTING CENTER LINE. COORDINATE ELECTRICAL AND DATA ROUGH IN WITH ENGINEERING DRAWINGS.
2.	PROVIDE CONCRETE INFILL AT RECESSED SLAB FROM CERAMIC TILE REMOVAL. APPROXIMATELY 2" INFILL TO BE FLUSH WITH FLOOR TO RECEIVE NEW FINISHES. SHADE INDICATES APPROXIMATE AREA OF INFILL.
3.	PROVIDE NEW EXPANSION JOINT COVER.
4.	ALIGN FINISH FACE OF WALL WITH OUTER FINISH FACE OF EXISTING WALL. PROVIDE SEAMLESS TRANSITION AND NEW FINISH. ALIGN FINISH FACE OF WALL, BOTH SIDES WHERE APPLICABLE.
5.	PROVIDE PARTITION TYPE S6A.SPi ABOVE STOREFRONT SYSTEM .
6.	PROVIDE WHITEOUT PRIVACY FILM TO INTERIOR FACE OF EXTERIOR WINDOW. BASIS OF DESIGN: 3M WHITEOUT WINDOW FILM
7.	PROVIDE NECESSARY GYPSUM BOARD AND FIRE STOPPING TO BRING WALL RATING TO 1 HOUR SMOKE BARRIER RATING.
8.	PROVIDE FIRE EXTINGUISHER CABINET. SEE DETAIL 2/AE101 FOR MORE INFORMATION.

DIMENSION GENERAL NOTES

A.	ALL DIMENSIONS SHOWN ARE TO FACE OF WALL FRAMING/ MASONRY UNLESS NOTED OTHERWISE. DIMENSIONS DESIGNATES AS "CLR" OR "CLEAR" INDICATE A CLEAR DIMENSION FROM FACE OF FINISH TO FACE OF FINISH.
B.	VERIFY EXISTING FIELD CONDITIONS PRIOR TO BEGINNING WORK, AND REPORT DISCREPANCIES IMMEDIATELY TO ARCHITECT FOR CLARIFICATION.
C.	CONTRACTOR TO MAINTAIN/REPAIR RATING OF EXISTING PARTITIONS AS AFFECTED BY DEMOLITION/NEW CONSTRUCTION, TYPICAL THROUGHOUT.
D.	PROVIDE CONTROL JOINT ON CONTINUOUS GYPSUM BOARD WALLS GREATER THAN 30' LONG.
E.	PROVIDE CONTROL JOINTS AT CORNERS OF DOORS OR WINDOWS.
F.	WHERE NO DIMENSION IS INDICATED, FINISH DOORS 6" FROM EDGE OF STUD FRAMING AT CORNERS UNLESS OTHERWISE NOTED.
G.	ALL NEW PARTITIONS ARE WALL TYPE S3A.Gi UNLESS NOTED OTHERWISE. REFER TO WALL TYPE GENERAL NOTES AE002 FOR WALL BOARD MATERIAL.
H.	NON-RATED WALL CONSTRUCTION THAT FORMS CHASE AREAS DOES NOT REQUIRE GYPSUM BOARD INSTALLATION ON INTERIOR OF CHASE WALL. REFER TO WALL TYPE F3D.Gi.
I.	COLUMN DIMENSIONS ARE FOR REFERENCE AND SHALL BE VERIFIED IN THE FIELD.
J.	PROVIDE WALL TYPE F2D.Gt AT ALL EXTERIOR WALLS, COLUMNS, AND PIPING CHASES. MINIMIZE ENCROACHMENT INTO SPACE. REFER TO AS001 FOR WALL TYPE DESCRIPTIONS.
K.	PROVIDE WALL TYPE F2D.G AS COLUMN WRAP AT ALL EXPOSED COLUMN FACES UNLESS OTHERWISE NOTED. MINIMIZE ENCROACHMENT INTO SPACE. REFER TO AS001 FOR WALL TYPE DESCRIPTIONS.
L.	REFER TO ENLARGED FLOOR PLANS FOR ADDITIONAL DIMENSIONS FOR TOILET AND BATH ROOMS.
M.	DIMENSIONS INDICATED AS 'VIF' MAY INCREASE OR DECREASE TO MATCH FIELD CONDITIONS. ALL OTHER DIMENSIONS WITHIN THE DIMENSION STRING MUST BE MAINTAINED.
N.	PROVIDE BLOCKING AND STRAPPING FOR WALL MOUNTED CASEWORK, FURNITURE, AND ACCESSORIES. COORDINATE WITH FLOOR PLANS, SCHEDULES, ELEVATIONS, AND ENGINEERING DRAWINGS FOR FULL SCOPE OF WORK.



1 AE101 **SIXTH FLOOR ARCHITECTURAL PLAN**
SCALE: 1/8" = 1'-0"

Revisions:	Date:

CONSULTANT

Consultant:
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STATE OF GEORGIA
LUKE J. LEISING
REGISTERED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SIXTH FLOOR ARCHITECTURAL PLAN	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: AE101
		Issue Date: 09/21/2023 · Checked: ARO · Drawn: TAA	

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ARCHITECTURAL GENERAL NOTES

A. REFERENCE MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL FOR COORDINATION ITEMS. COORDINATE AS REQUIRED INCLUDING NECESSARY FRAMING, BLOCKING, ETC.

B. VERIFY EXISTING FIELD CONDITIONS PRIOR TO BEGINNING WORK, AND REPORT DISCREPANCIES IMMEDIATELY TO ARCHITECT FOR CLARIFICATION.

C. PATCH EXISTING WALLS WHERE NEW WALLS MEET.

D. ALL HANDRAILS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH ALL REQUIREMENTS OF AMERICANS WITH DISABILITIES ACT GUIDELINES AND ALL CODES AND REGULATIONS HAVING JURISDICTION, THE MOST STRINGENT SHALL PREVAIL.

E. PROVIDE MINIMUM CLEARANCES AT ALL DOORS PER ADA REQUIREMENTS.

F. WHERE NO DIMENSION IS INDICATED, FINISH DOORS 6" FROM EDGE OF STUD FRAMING AT CORNERS UNLESS OTHERWISE NOTED.

G. REFER TO SHEET QH102 FOR ACCESSORIES TO BE PROVIDED IN THE TOILET/BATH ROOMS AND AT THE HAND LAVATORIES.

H. LEVEL AND INFILL FLOOR SLAB TO RECEIVE NEW FLOORING. REFER TO SPECIFICATIONS AND FLOORING MANUFACTURE'S TOLERANCES FOR ADDITIONAL INFORMATION.

I. PROVIDE METAL PLATE ON UNDERSIDE OF FLOOR SLAB WHERE CONCRETE INFILL IS REQUIRED AND CHIP AWAY CONCRETE AT FLOOR LEVEL TO CREATE A SLOPED OPENING/LIP TO PATCH PENETRATIONS AND PREVENT CONCRETE INFILL CORE FROM FALLING THROUGH OPENING TO FLOOR BELOW.

J. PROVIDE IN WALL BLOCKING FOR HNADRAILS, BUMPER RAILS AND ALONG THE TOP EDGE OF WALL PROTECTION. COORDINATE LOCATIONS WITH AI102 SIXTH FLOOR WALL PROTECTION PLAN.

DIMENSION PLAN NOTES

1. ALIGN FINISH FACE OF WALL.
2. ALIGN FINISH FACE OF WALL WITH OUTER FINISH FACE OF EXISTING WALL. PROVIDE SEAMLESS TRANSITION AND NEW FINISH. ALIGN FINISH FACE OF WALL, BOTH SIDES WHERE APPLICABLE.

DIMENSION GENERAL NOTES

A. ALL DIMENSIONS SHOWN ARE TO FACE OF WALL FRAMING/ MASONRY UNLESS NOTED OTHERWISE. DIMENSIONS DESIGNATES AS "CLR" OR "CLEAR" INDICATE A CLEAR DIMENSION FROM FACE OF FINISH TO FACE OF FINISH.

B. VERIFY EXISTING FIELD CONDITIONS PRIOR TO BEGINNING WORK, AND REPORT DISCREPANCIES IMMEDIATELY TO ARCHITECT FOR CLARIFICATION.

C. CONTRACTOR TO MAINTAIN/REPAIR RATING OF EXISTING PARTITIONS AS AFFECTED BY DEMOLITION/NEW CONSTRUCTION, TYPICAL THROUGHOUT.

D. PROVIDE CONTROL JOINT ON CONTINUOUS GYPSUM BOARD WALLS GREATER THAN 30' LONG.

E. PROVIDE CONTROL JOINTS AT CORNERS OF DOORS OR WINDOWS.

F. WHERE NO DIMENSION IS INDICATED, FINISH DOORS 6" FROM EDGE OF STUD FRAMING AT CORNERS UNLESS OTHERWISE NOTED.

G. ALL NEW PARTITIONS ARE WALL TYPE S3A.Gi UNLESS NOTED OTHERWISE. REFER TO WALL TYPE GENERAL NOTES AE002 FOR WALL BOARD MATERIAL.

H. NON-RATED WALL CONSTRUCTION THAT FORMS CHASE AREAS DOES NOT REQUIRE GYPSUM BOARD INSTALLATION ON INTERIOR OF CHASE WALL. REFER TO WALL TYPE F3D.Gi.

I. COLUMN DIMENSIONS ARE FOR REFERENCE AND SHALL BE VERIFIED IN THE FIELD.

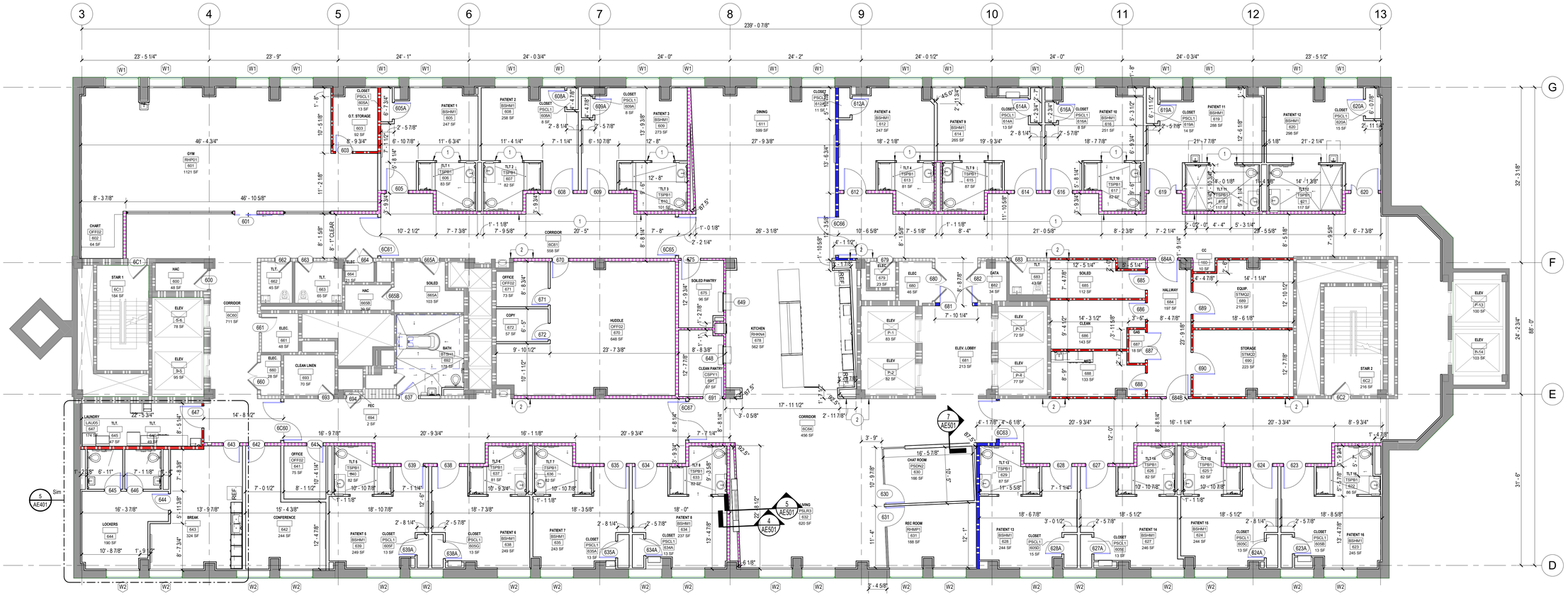
J. PROVIDE WALL TYPE F2D.Gi AT ALL EXTERIOR WALLS, COLUMNS, AND PIPING CHASES. MINIMIZE ENCROACHMENT INTO SPACE. REFER TO AS001 FOR WALL TYPE DESCRIPTIONS.

K. PROVIDE WALL TYPE F2D.G AS COLUMN WRAP AT ALL EXPOSED COLUMN FACES UNLESS OTHERWISE NOTED. MINIMIZE ENCROACHMENT INTO SPACE. REFER TO AS001 FOR WALL TYPE DESCRIPTIONS.

L. REFER TO ENLARGED FLOOR PLANS FOR ADDITIONAL DIMENSIONS FOR TOILET AND BATH ROOMS.

M. DIMENSIONS INDICATED AS 'VIF' MAY INCREASE OR DECREASE TO MATCH FIELD CONDITIONS. ALL OTHER DIMENSIONS WITHIN THE DIMENSION STRING MUST BE MAINTAINED.

N. PROVIDE BLOCKING AND STRAPPING FOR WALL MOUNTED CASEWORK, FURNITURE, AND ACCESSORIES. COORDINATE WITH FLOOR PLANS, SCHEDULES, ELEVATIONS, AND ENGINEERING DRAWINGS FOR FULL SCOPE OF WORK.



SIXTH FLOOR ARCHITECTURAL PLAN

1 / AE102 SCALE: 1/8" = 1'-0"

Revisions:	Date:

CONSULTANT

Consultant:
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SIXTH FLOOR DIMENSION PLAN	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: AE102
		Issue Date: 09/21/2023 · Checked: ARO · Drawn: TAA	

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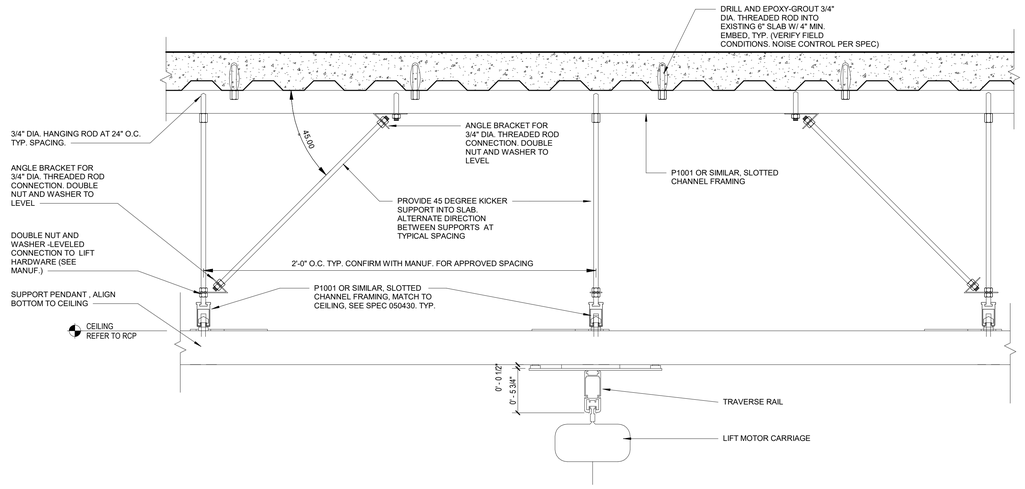
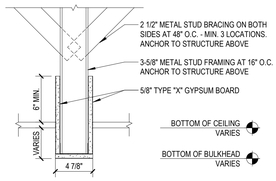
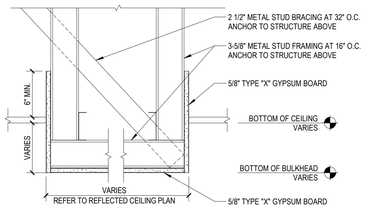


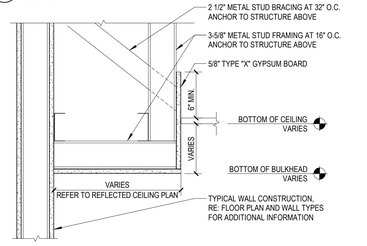
5 AE111 **PATIENT CEILING LIFT DETAIL**
SCALE: 1 1/2" = 1'-0"



4 AE111 **TYPICAL BULKHEAD DETAIL - SINGLE STUD**
SCALE: 1 1/2" = 1'-0"



3 AE111 **TYPICAL BULKHEAD DETAIL**
SCALE: 1 1/2" = 1'-0"



2 AE111 **TYPICAL BULKHEAD DETAIL**
SCALE: 1 1/2" = 1'-0"

REFLECTED CEILING GENERAL NOTES

A. THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN THE LAYOUT OF ALL CEILING ELEMENTS, HEIGHTS AND/OR PENETRATIONS. COORDINATION OF THE ARCHITECTURAL AND ENGINEERING ELEMANTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS TO VERIFY FIELD CONDITIONS AND REPORTS ANY DISCREPANCIES TO ARCHITECT AND COR.

B. SHOWN SIZES OF MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT ARE FOR REFERENCE ONLY. REFER TO ENGINEERING PLANS FOR ADDITIONAL INFORMATION. COORDINATE SCOPE OF WORK WITH ENGINEERING DRAWINGS, UNLESS OTHERWISE NOTED.

C. ACOUSTIC PANEL CEILING SHALL BE CENTERED IN THE ROOM AND INSTALLED TO ELIMINATE NARROW CUT STRIPS OF PANELS ALONG THE EDGES OF WALLS AND BULKHEADS, UNLESS OTHERWISE NOTED. COORDINATE WITH THE LIGHTING LAYOUT. THE LIGHTING SHALL BE CENTERED IN ROOMS.

D. CEILING MOUNTED ITEMS (SPRINKLER HEADS, MOUNTING DEVICES, ETC.) SHALL BE CENTERED IN THE CEILING PANELS UNLESS NOTED OTHERWISE.

E. ABOVE CEILING WORK REQUIRED BEYOND THE SCOPE OF THE WORK SHALL BE COORDINATED WITH PATIENT SAFETY, INFECTION CONTROL, AND COR.

F. CEILING TILE REMOVED IN ORDER TO COMPLETE ABOVE CEILING WORK SHALL BE STORED IN A SAFE DRY LOCATION. DAMAGED OR BROKEN CEILING TILES SHALL BE REPLACED. DRYWALL CEILINGS SHALL BE PATCHED, PREPPED AND NEW FINISH APPLIED TO MATCH EXISTING.

G. REFER TO FINISHES SHEETS AND SPECIFICATIONS FOR INFORMATION ON GYPSUM BOARD PAINT FINISH.

H. WHERE NEW CEILINGS ARE INSTALLED AND SPRINKLERS ARE EXISTING TO REMAIN, SPRINKLERS SHALL BE ADJUSTED TO NEW CEILING HEIGHTS, WHEN APPLICABLE.

REFLECTED CEILING PLAN NOTES

1. ....

REFLECTED CEILING TYPE LEGEND

TYPE	GRAPHIC	DESCRIPTION
A		2x2 ACOUSTICAL CEILING TILE (AT-1)
B		2x2 ACOUSTICAL CEILING TILE (AT-2)
C		EXISTING 2x2 ACOUSTICAL CEILING TILE
D		GYPSUM BOARD CEILING. CEILING PAINT.
E		EXISTING GYPSUM BOARD CEILING. CEILING PAINT.
F		NO CEILING / EXISTING CEILING TO REMAIN
G		METAL CEILING TILE (MCT-1)
H		METAL FLOOR TO CEILING TILE (MCT-2)

1 AE111 **SIXTH FLOOR REFLECTED CEILING PLAN**
SCALE: 1/8" = 1'-0"

Revisions:	Date:

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STATE OF GEORGIA ★ LUKE J. LEISING ★ REGISTERED ARCHITECT

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: SIXTH FLOOR REFLECTED CEILING PLAN
Approved:
Phase: 100% CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED
Project Title: RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC
Location: 1670 CLAIRMONT RD, DECATUR, GA
Issue Date: 09/21/2023
Checked: ARO
Drawn: TAA
Project Number: 508-22-105
Building Number: C
Drawing Number: AE111

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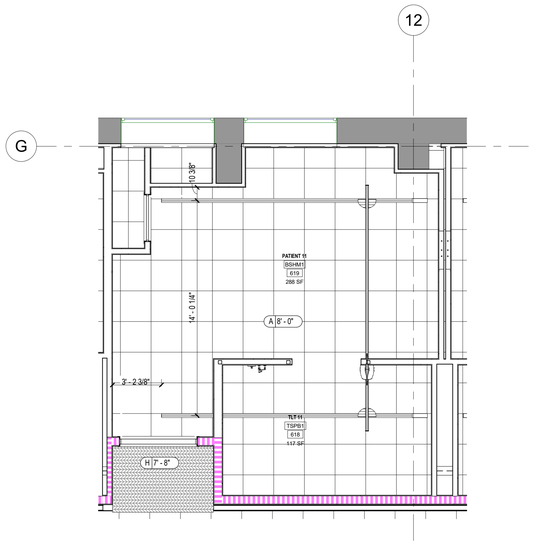
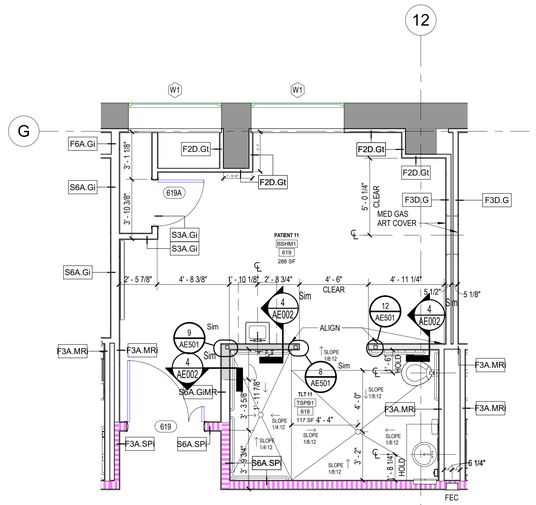


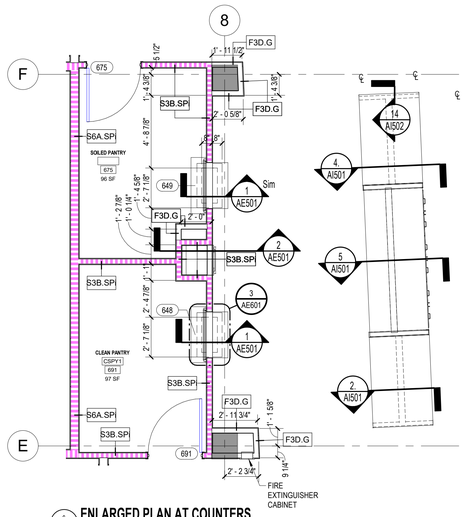
4 AE401 **ENLARGED REFLECTED CEILING PLAN - SPINAL CORD, TYP**
SCALE: 1/4" = 1'-0"



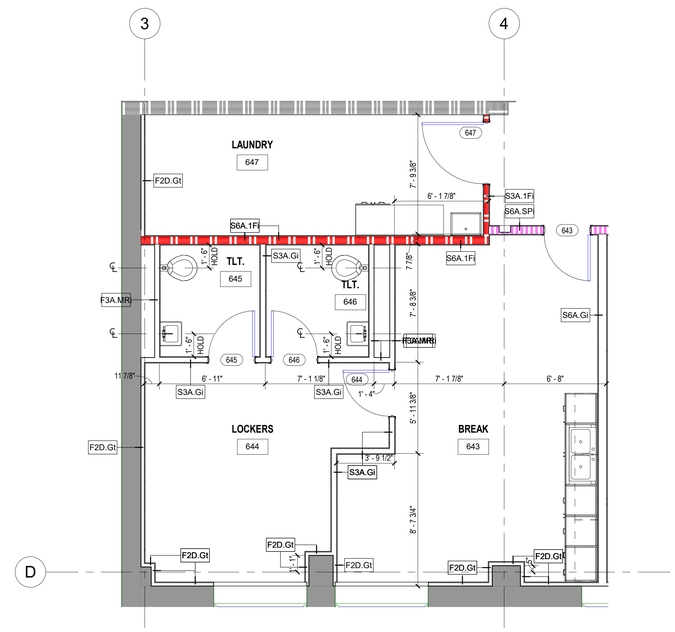
NOTE: WALLS SHADED WITH GRAY HATCH TO BE 7' - 2" AFF W/ SOLID SURFACE CAP. SEE DETAIL 4/AE002 FOR MORE INFO.

PATIENT TOILET ROOM FLOORS ARE TO BE SLOPED TO DRAINS. SEE AE501 FOR MORE INFO.

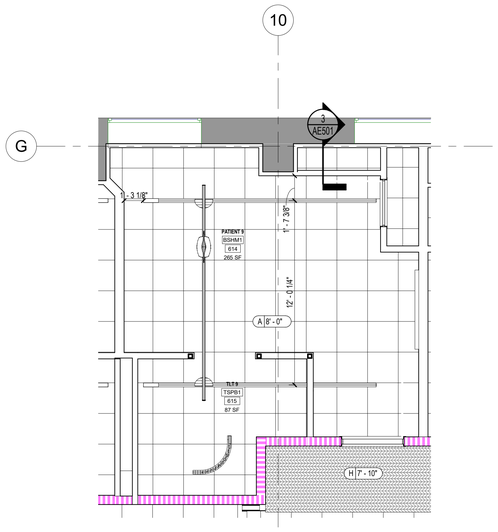
2 AE401 **SPINAL CORD PATIENT RM, TYP**
SCALE: 1/4" = 1'-0"



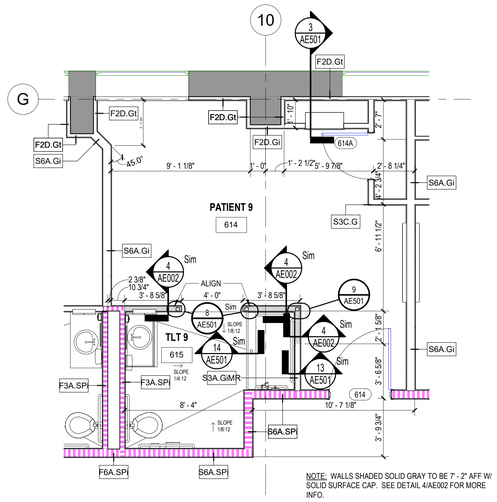
6 AE401 **ENLARGED PLAN AT COUNTERS**
SCALE: 1/4" = 1'-0"



5 AE401 **ENLARGED PLAN**
SCALE: 1/4" = 1'-0"



3 AE401 **ENLARGED REFLECTED CEILING PLAN - PATIENT RM, TYP**
SCALE: 1/4" = 1'-0"



NOTE: WALLS SHADED SOLID GRAY TO BE 7' - 2" AFF W/ SOLID SURFACE CAP. SEE DETAIL 4/AE002 FOR MORE INFO.

PATIENT TOILET ROOM FLOORS ARE TO BE SLOPED TO DRAINS. SEE AE501 FOR MORE INFO.

1 AE401 **ENLARGED PATIENT ROOM, TYPICAL**
SCALE: 1/4" = 1'-0"

Revisions:	Date:

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STATE OF GEORGIA ★ LUKE J. LEISING ★ REGISTERED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
ENLARGED PLANS AND ELEVATIONS	100% CONSTRUCTION DOCUMENTS	RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC	508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: AE401
		Issue Date: 09/21/2023 · Checked: ARO · Drawn: TAA	

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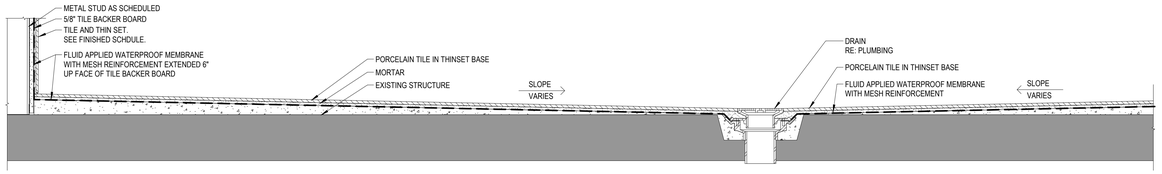
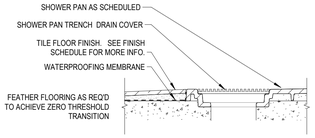
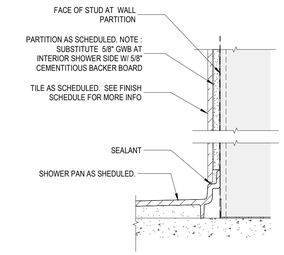


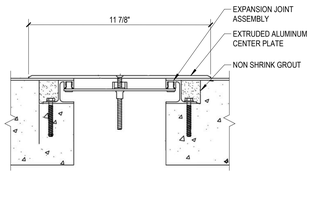
15 / AE501 **SECTION DETAIL - FLOOR SLOPE TO DRAIN**
SCALE: 1 1/2" = 1'-0"



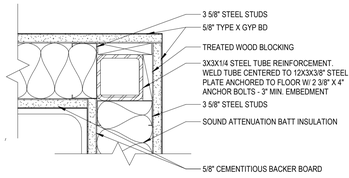
14 / AE501 **SECTION DETAIL - RESIDENT SHOWER AT TRENCH DRAIN**
SCALE: 3" = 1'-0"



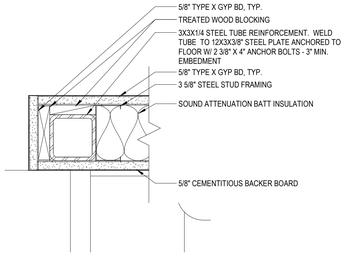
13 / AE501 **SECTION DETAIL - RESIDENT SHOWER AT SIDE WALLS**
SCALE: 3" = 1'-0"



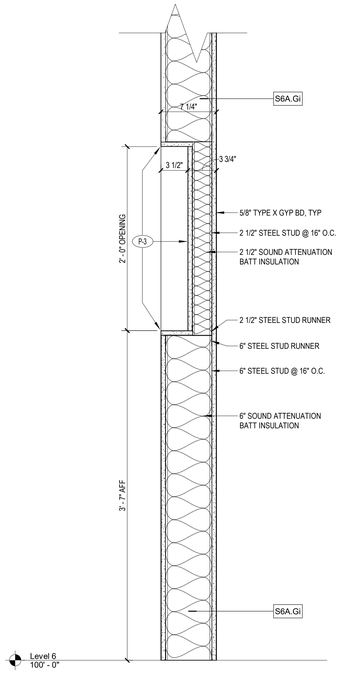
10 / AE501 **EXPANSION JOINT COVER - FLOOR**
SCALE: 3" = 1'-0"



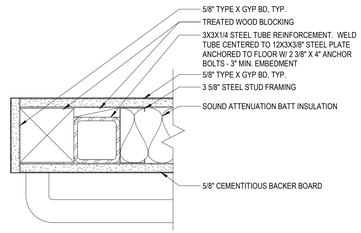
9 / AE501 **PLAN DETAIL**
SCALE: 3" = 1'-0"



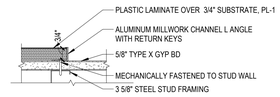
8 / AE501 **PLAN DETAIL**
SCALE: 3" = 1'-0"



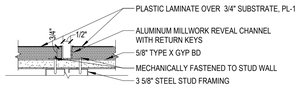
7 / AE501 **WALL SECTION AT CORRIDOR CHECK-IN**
SCALE: 1 1/2" = 1'-0"



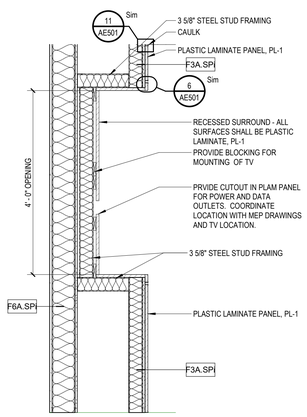
12 / AE501 **PLAN DETAIL @ GRAB BAR**
SCALE: 3" = 1'-0"



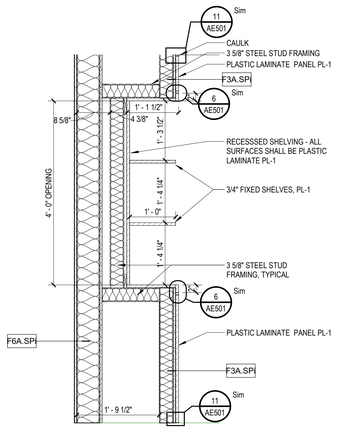
11 / AE501 **EDGE TRIM DETAIL**
SCALE: 3" = 1'-0"



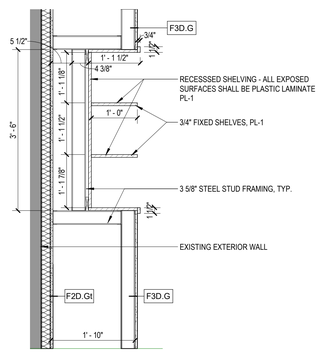
6 / AE501 **REVEAL CHANNEL DETAIL**
SCALE: 3" = 1'-0"



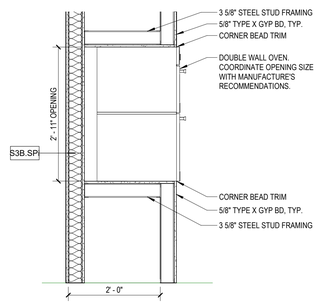
5 / AE501 **CASEWORK SECTION @ LIVING RM**
SCALE: 3/4" = 1'-0"



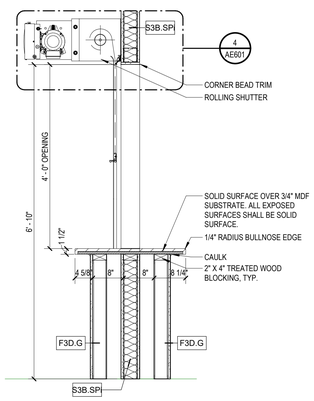
4 / AE501 **CASEWORK SECTION @ LIVING RM**
SCALE: 3/4" = 1'-0"



3 / AE501 **CASEWORK SECTION @ PATIENT RM**
SCALE: 3/4" = 1'-0"



2 / AE501 **WALL SECTION @ KITCHEN OVEN**
SCALE: 3/4" = 1'-0"



1 / AE501 **WALL SECTION AT KITCHEN**
SCALE: 3/4" = 1'-0"

Revisions:	Date:

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STATE OF GEORGIA
LUKE J. LEISING
CERTIFICATE NO. 036201
REGISTERED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
SECTIONS & DETAILS	100% CONSTRUCTION DOCUMENTS	RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC	508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number
		Issue Date: 09/21/2023 · Checked: ARO · Drawn: TAA	AE501

VA FORM 08 - 6231

BIM 360://22.1022 - VA Atlanta - 6th Floor CLC\22.1022_A_v21.rvt
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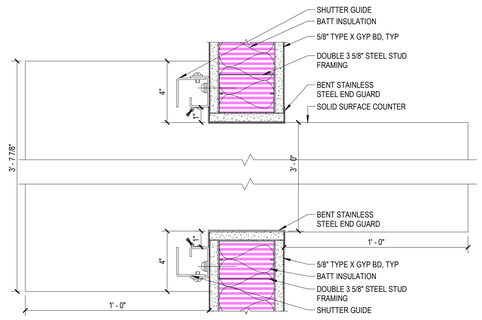
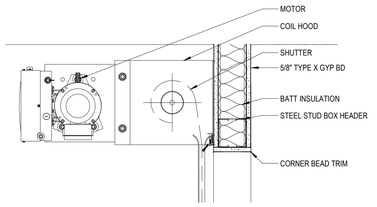
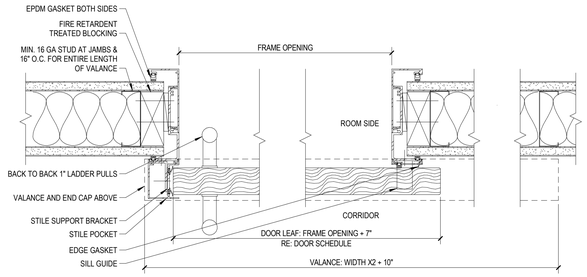


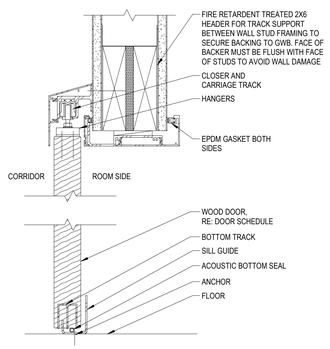
3 AE601 **ROILING SHUTTER JAMB DETAIL**
SCALE: 3" = 1'-0"



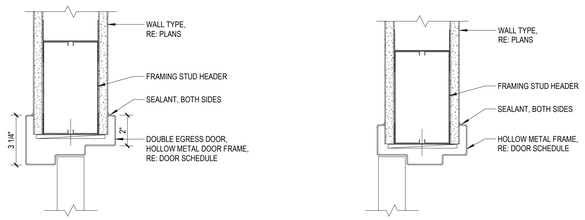
4 AE601 **ROILING SHUTTER HEAD DETAIL**
SCALE: 1 1/2" = 1'-0"



5 AE601 **TYPICAL SLIDING DOOR PLAN & JAMB DETAIL**
SCALE: 3" = 1'-0"

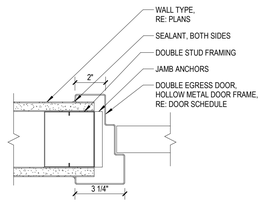


10 AE601 **TYPICAL SLIDING DOOR HEAD & SILL DETAIL**
SCALE: 3" = 1'-0"

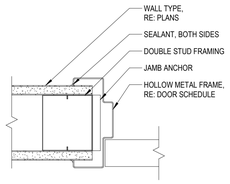


8 AE601 **DOOR HEAD DETAIL, HM DOUBLE EGRESS**
SCALE: 3" = 1'-0"

9 AE601 **DOOR HEAD DETAIL, HM**
SCALE: 3" = 1'-0"

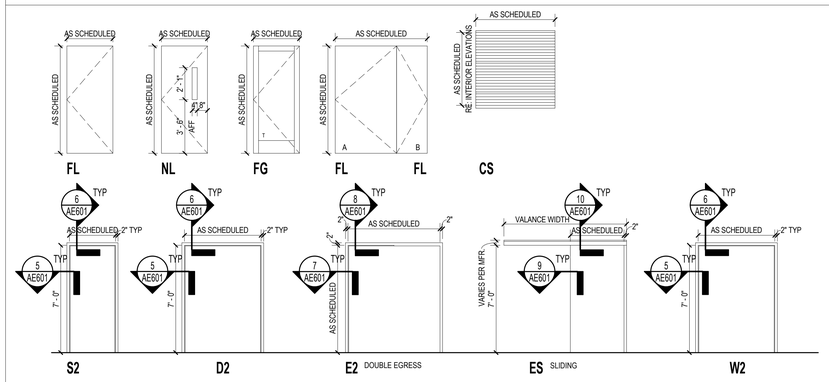


7 AE601 **DOOR JAMB DETAIL, HM DOUBLE EGRESS**
SCALE: 3" = 1'-0"



5 AE601 **DOOR JAMB DETAIL, HM**
SCALE: 3" = 1'-0"

DOOR AND FRAME TYPE LEGEND



DOOR TYPE ABBREVIATIONS

FL	FLUSH
NL	NARROW LIGHT
FG	FULL GLASS
CS	COILING SHUTTER

DOOR MATERIAL ABBREVIATIONS

AL	ALUMINUM
HM	HOLLOW METAL
WD	WOOD
SS	STAINLESS STEEL

FRAME TYPE ABBREVIATIONS

S2	SINGLE / 2" HEAD
SE	SINGLE ENTRANCE / HEAD SIZE VARY PER MFR.
D2	DOUBLE / 2" HEAD
E2	DOUBLE EGRESS / 2" HEAD
W2	DOUBLE w/DIFFERENT WIDTH / 2" HEAD
ES	EXAM SLIDING / HEAD SIZE VARY PER MFR.

FRAME MATERIAL ABBREVIATIONS

AL	ALUMINUM
HM	HOLLOW METAL
STEEL	STEEL

DOOR AND FRAME GENERAL NOTES

A. CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL HARDWARE REQUIREMENTS BETWEEN HARDWARE SUPPLIES, ACCESS CONTROL VENDOR, AND ANY OTHER TRADES THAT ARE INVOLVED. REQUIRED POWER SUPPLIES AND AUXILIARY COMPONENTS THAT IS REQUIRED TO MAKE A HARDWARE SET WORK BETWEEN ACCESS CONTROL AND HARDWARE SHALL BE PROVIDED.

B. ALL HOLLOW METAL DOORS AND FRAMES SHALL BE FACTORY PRIMED AND RECEIVE PAINT FINISH ON SITE. REFER TO FINISH SCHEDULE FOR HOLLOW METAL PAINT COLOR.

C. PROVIDE SEALANT AROUND PERIMETER OF DOOR/ WINDOW FRAME ADJACENT TO WALL AND FLOOR CONSTRUCTION, BOTH SIDES.

D. LOCATE HINGE SIDE OF DOOR 6" OFF OF ADJACENT WALL UNLESS OTHERWISE INDICATED ON FLOOR PLANS.

E. MAINTAIN ADA CLEARANCE AROUND DOORS AND REFER ANY DISCREPANCIES DUE TO COR AND ARCHITECT FOR CLARIFICATION.

F. RATED FRAMES, DOORS AND GLAZING SHALL BE UL LABELED IN A VISIBLE LOCATION.

G. REFER TO DOOR/ WINDOW AND FRAME LEGEND FOR REFERENCE TO TYPICAL HEAD, JAMB AND SILL DETAILS.

H. ALL HOLLOW METAL JAMBS TO BE PREPARED FOR ACCESS CONTROL AND SECURITY HARDWARE. REFER TO ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION.

I. REFER TO SPECIFICATIONS AND ENGINEERING DRAWINGS FOR ADDITIONAL HARDWARE INFORMATION.

J. COORDINATE POWER AND DATA REQUIREMENTS AT DESIGNATED DOOR OPENINGS WITH ENGINEERING DRAWINGS.

DOOR SCHEDULE

DOOR	ROOM		DIMENSIONS			DOOR			FRAME			DETAILS			FIRE	HARDWARE
NUMBER	NUMBER	NAME	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	HEAD	JAMB	SILL	RATING	SET
6C1	6C1	STAIR 1	3' - 6"	7' - 0"	1 3/4"	ETR	ETR	PAINT	ETR	ETR	PAINT	---	---		90	15.0
6C2	6C2	STAIR 2	3' - 6"	7' - 0"	1 3/4"	ETR	ETR	PAINT	ETR	ETR	PAINT	---	---		90	15.0
6C60	6C67	CORRIDOR	7' - 0"	7' - 0"	1 3/4"	NL	WD	STAIN	E2	HM	PAINT	8/AE601	7/AE601		0	2.1
6C61	6C61	CORRIDOR	7' - 0"	7' - 0"	1 3/4"	NL	WD	STAIN	E2	HM	PAINT	8/AE601	7/AE601		0	2.1
6C63	6C63	CORRIDOR	7' - 0"	7' - 0"	1 3/4"	NL	WD	STAIN	E2	HM	PAINT	8/AE601	7/AE601		45	2.0
6C65	6C65	CORRIDOR	7' - 0"	7' - 0"	1 3/4"	NL	WD	STAIN	E2	HM	PAINT	8/AE601	7/AE601		0	2.0
6C66	6C65	CORRIDOR	7' - 0"	7' - 0"	1 3/4"	NL	WD	STAIN	E2	HM	PAINT	8/AE601	7/AE601		0	2.0
6C67	6C67	CORRIDOR	7' - 0"	7' - 0"	1 3/4"	NL	WD	STAIN	E2	HM	PAINT	8/AE601	7/AE601		0	2.0
154	692	BATH	2' - 2"	7' - 0"	1 3/4"	ETR	ETR	STAIN	ETR	ETR	PAINT	---	---		0	
600	600	HAC	3' - 6"	7' - 0"	1 3/4"	ETR	ETR	PAINT	ETR	ETR	PAINT	---	---		0	15.0
601	6C60	CORRIDOR	4' - 0"	7' - 5 1/2"	1 3/4"	FL	WD	STAIN	ES	HM	PAINT	10/AE601	9/AE601	10/AE601	0	17.0
603	601	GYM	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	10.0
605	605	PATIENT 1	4' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	8.0
605A	605A	CLOSET	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	14.0
608	6C61	CORRIDOR	4' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	8.0
608A	608A	CLOSET	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	14.0
609	609	PATIENT 3	4' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	8.0
609A	609A	CLOSET	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	14.0
612	612	PATIENT 4	4' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	8.0
612A	612A	CLOSET	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	14.0
614	6C66	CORRIDOR	4' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	8.0
614A	614A	CLOSET	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	14.0
616	6C66	CORRIDOR	4' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	8.0
616A	616A	CLOSET	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	14.0
619	619	PATIENT 11	5' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	W2	HM	PAINT	6/AE601	5/AE601		0	9.0
619A	619	PATIENT 11	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	14.0
620	620	PATIENT 12	5' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	W2	HM	PAINT	6/AE601	5/AE601		0	9.0
620A	620A	CLOSET	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	14.0
623	623	PATIENT 16	4' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	8.0
623A	623	PATIENT 16	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	14.0
624	6C63	CORRIDOR	4' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	8.0
624A	605C	CLOSET	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	14.0
627	6C63	CORRIDOR	4' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	8.0
627A	605E	CLOSET	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	14.0
628	6C63	CORRIDOR	4' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	8.0
628A	605D	CLOSET	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	14.0
630	632	LIVING	3' - 6"	7' - 10"	1 3/4"	FG	AL	CLEAR	SE	AL	CLEAR		11/AE601		0	1.0
631	632	LIVING	3' - 6"	7' - 10"	1 3/4"	FG	AL	CLEAR	SE	AL	CLEAR		11/AE601		0	1.0
634	6C67	CORRIDOR	4' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	8.0
634A	634A	CLOSET	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	14.0
635	635	PATIENT 7	4' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	8.0
635A	635	PATIENT 7	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	14.0
637	6C67	CORRIDOR	3' - 6"	7' - 0"	1 3/4"	ETR	ETR	PAINT	ETR	ETR	PAINT	---	---		0	13.0
638	638	PATIENT 6	4' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	8.0
638A	638	PATIENT 6	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	14.0
639	639	PATIENT 5	4' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	8.0
639A	639	PATIENT 5	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	14.0
641	6C67	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	11.0
642	6C60	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	12.0
643	6C60	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	12.0
644	643	BREAK	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	12.0
645	644	LOCKERS	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	13.0
646	644	LOCKERS	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	13.0
647	6C60	CORRIDOR	4' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		45	7.0
648	691	CLEAN PANTRY	3' - 0"	3' - 1"	1/2"	CS	SS	CLEAR	---	STEEL	PAINT	4/AE601	3/AE601		0	
649	675	SOILED PANTRY	3' -0"	3' - 1"	1/2"	CS	SS	CLEAR	---	STEEL	PAINT	4/AE601	3/AE601		0	
660	660	ELEC.	5' - 0"	7' - 0"	1 3/4"	ETR	ETR	PAINT	ETR	ETR	PAINT	---	---			15.0
661	661	ELEC.	2' - 10"	7' - 0"	1 3/4"	FL	WD	STAIN	ETR	ETR	PAINT	---	---		0	3.0
662	662	TLT.	2' - 10"	7' - 0"	1 3/4"	ETR	ETR	PAINT	ETR	ETR	PAINT	---	---		0	15.0
663	663	TLT.	2' - 10"	7' - 0"	1 3/4"	ETR	ETR	PAINT	ETR	ETR	PAINT	---	---		0	15.0
664	664	ELEC	5' - 0"	7' - 0"	1 3/4"	ETR	ETR	PAINT	ETR	ETR	PAINT	---	---			15.0
665A	665A	SOILED	3' - 6"	7' - 0"	1 3/4"	ETR	ETR	PAINT	ETR	ETR	PAINT	---	---		0	15.0
665B	665A	SOILED	2' - 6"	7' - 0"	1 3/4"	ETR	ETR	PAINT	ETR	ETR	PAINT	---	---		0	15.0
670	6C61	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	12.0
671	670	HUDDLE	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	11.0
672	672	COPY	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	12.0
675	6C65	CORRIDOR	3' - 6"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	11.0
679	679	ELEC	3' - 0"	7' - 0"	1 3/4"	ETR	ETR	PAINT	ETR	ETR	PAINT	---	---		0	15.0
680	680	ELEC	6' - 0"	7' - 0"	1 3/4"	ETR	ETR	PAINT	ETR	ETR	PAINT	---	---			15.0
681	681	ELEV. LOBBY	6' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	D2	HM	PAINT	6/AE601	5/AE601		45	16.0
682	682	DATA	6' - 0"	7' - 0"	1 3/4"	ETR	ETR	PAINT	ETR	ETR	PAINT	---	---			15.0
683	683	TLT	3' - 0"	7' - 0"	1 3/4"	ETR	ETR	ETR	ETR	ETR	PAINT	---	---		0	15.0
684A	6C66	CORRIDOR	4' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		45	3.2
684B	684	HALLWAY	4' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		45	3.2
685	684	HALLWAY	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		45	6.0
686	684	HALLWAY	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		45	6.0
687	687	GAS	5' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		45	4.0
688	684	HALLWAY	3' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		45	3.1
689	684	HALLWAY	4' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		45	5.0
690	684	HALLWAY	4' - 0"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		45	5.0
691	6C64	CORRIDOR	3' - 6"	7' - 0"	1 3/4"	FL	WD	STAIN	S2	HM	PAINT	6/AE601	5/AE601		0	11.0
693	693	CLEAN LINEN	2' - 10"	7' - 0"	1 3/4"	ETR	ETR	ETR	ETR	ETR	ETR	ETR	---		0	15.0
694	6C67	CORRIDOR	2' - 6"	7' - 0"	1 3/4"	ETR	ETR	PAINT	ETR	ETR	ETR	---	---		0	15.0

Revisions:	Date:

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STATE OF GEORGIA ★ LUKE J. LEISING ★ REGISTERED ARCHITECT

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: DOOR SCHEDULE & DETAILS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: AE601
		Issue Date: 09/21/2023 · Checked: ARO · Drawn: TAA	

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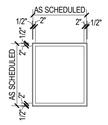
WINDOW SCHEDULE

TYPE MARK	TYPE	MATERIAL	FINISH	WIDTH	HEIGHT	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	COMMENTS
W1	FIXED	ALUM	CLEAR ANODIZED	6' - 1"	3' - 11"	11/AE602	10/AE602	6/AE602	1
W2	FIXED	ALUM	CLEAR ANODIZED	6' - 1"	3' - 11"	11/AE602	10/AE602	6/AE602	2

WINDOW TYPE LEGEND



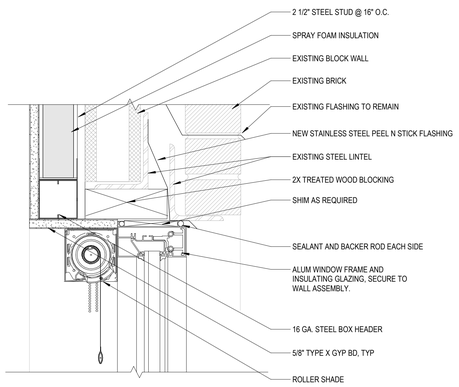
FIXED

GENERAL WINDOW SCHEDULE NOTES

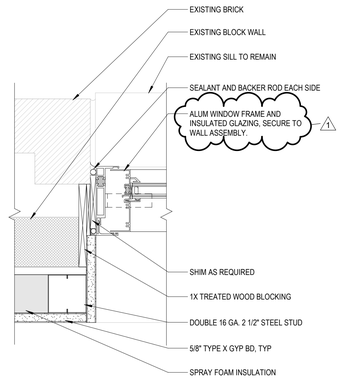
1. WHERE EXTERIOR WINDOW IS COVERED UP ON THE INTERIOR BY METAL STUDS, PROVIDE WHITEOUT FILM ON INTERIOR FACE OF GLAZING PRIOR TO INSTALLING STUDS.
2. AT EXTERIOR WINDOWS, GLAZING MUST BE RESTRAINED IN MULLIONS WITH MIN. 1/2" BITE AND MIN 3/8" WIDE CONTINUOUS BEAD OF STRUCTURAL SILICONE ADHESIVE ATTACHING THE INNER LITE OF GLAZING TO FRAME.

WINDOW SCHEDULE COMMENTS

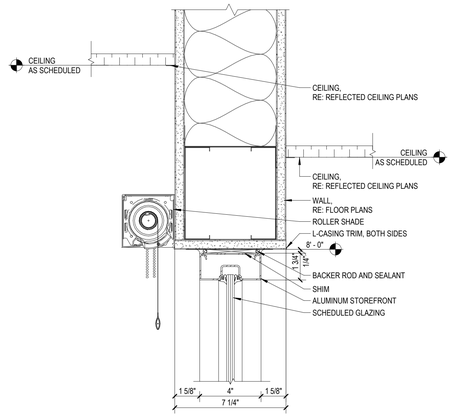
1. SOLARBAN 70, INSULATED OPTIGRAY, INNER LITE LAMINATED .25", EXTERIOR LITE .25" TEMPERED, .50" ARGON FILLED INNERSPACE.
2. SOLARBAN 60, INSULATED OPTIGRAY, INNER LITE LAMINATED .25", EXTERIOR LITE .25" TEMPERED, .50" ARGON FILLED INNERSPACE.



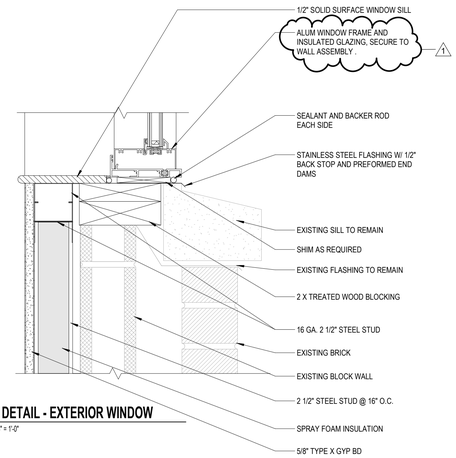
11 / AE602 **HEAD DETAIL - EXTERIOR WINDOW**
SCALE: 3" = 1'-0"



10 / AE602 **JAMB DETAIL - EXTERIOR WINDOW**
SCALE: 3" = 1'-0"



9 / AE602 **STOREFRONT HEADER DETAIL**
SCALE: 3" = 1'-0"



6 / AE602 **SILL DETAIL - EXTERIOR WINDOW**
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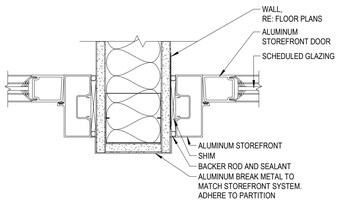
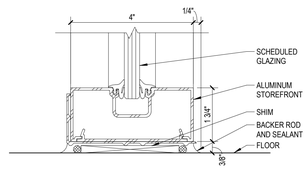
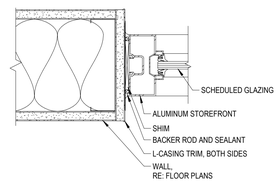


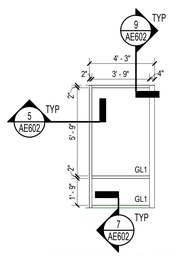
8 / AE602 **STOREFRONT JAMB DETAIL**
SCALE: 3" = 1'-0"



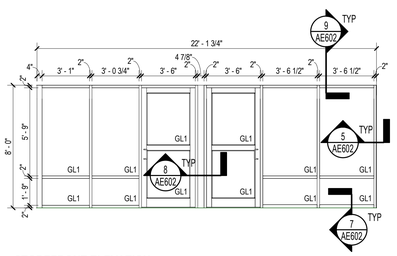
7 / AE602 **STOREFRONT SILL DETAIL @ FLOOR**
SCALE: 6" = 1'-0"



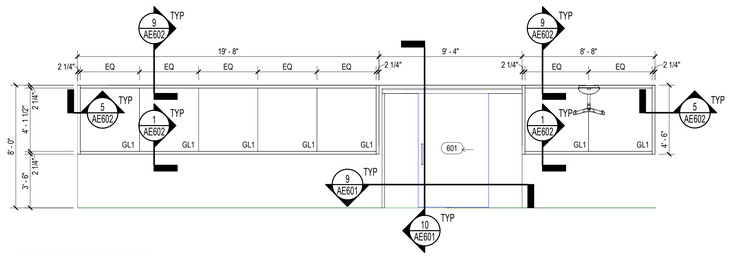
5 / AE602 **STOREFRONT JAMB DETAIL**
SCALE: 3" = 1'-0"



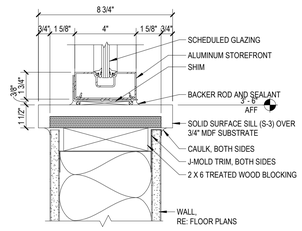
4 / AE602 **STOREFRONT ELEVATION**
SCALE: 1/4" = 1'-0"



3 / AE602 **STOREFRONT ELEVATION**
SCALE: 1/4" = 1'-0"



2 / AE602 **STOREFRONT ELEVATION**
SCALE: 1/4" = 1'-0"



1 / AE602 **STOREFRONT SILL DETAIL**
SCALE: 3" = 1'-0"

BID RFI 19	01/10/2024
Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: WINDOW SCHEDULE & DETAILS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: AE602
		Issue Date: 09/21/2023 · Checked: ARO · Drawn: TAA	

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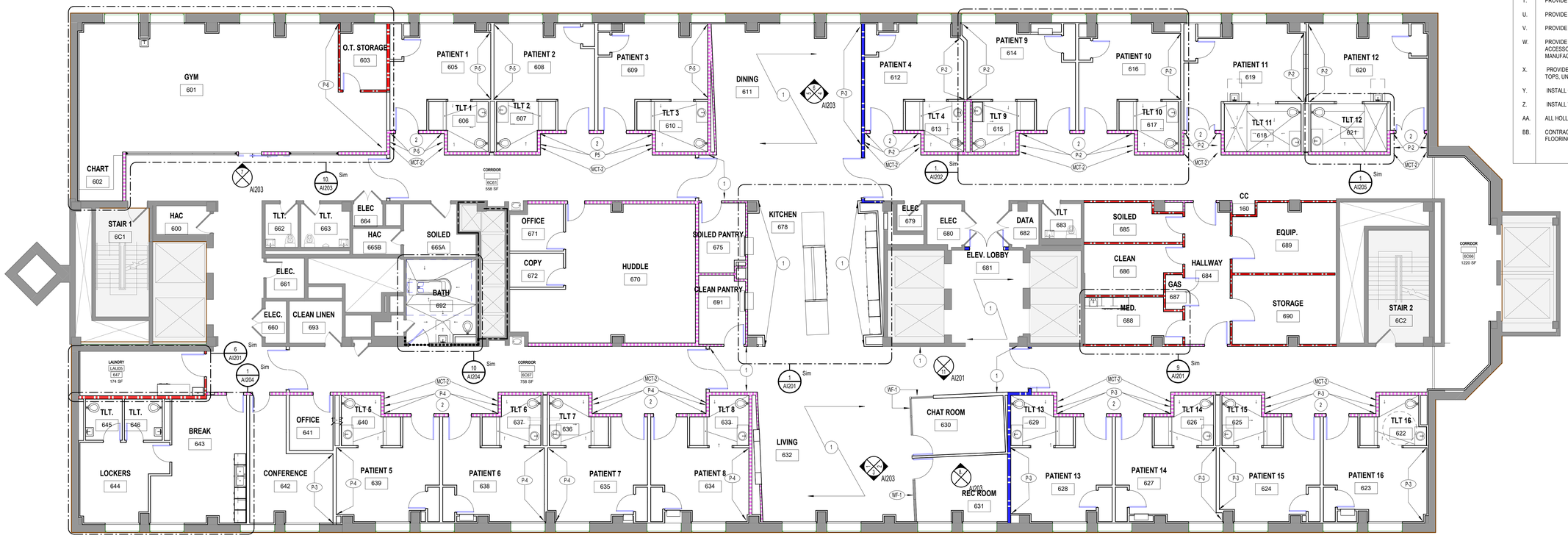
INTERIOR FINISH PLAN NOTES

#	
1.	P-7 TO BE PROVIDED AS FIELD PAINT IN ALL THE PUBLIC / SOCIAL SPACES.
2.	ACCENT PAINT TO BE PROVIDED ON WALLS BEHIND METAL PANELING IN PATIENT ALCOVES.

NOTE: ROOM FINISH SCHEDULE LOCATED ON SHEET AI205

INTERIOR FINISHES GENERAL NOTES

A.	COORDINATE CONSTRUCTION WITH OWNER FURNISHED AND CONTRACTOR PROVIDED EQUIPMENT. REFER TO EQUIPMENT SCHEDULE AND EQUIPMENT PLAN FOR ADDITIONAL INFORMATION. FURNITURE AND EQUIPMENT SHOWN FOR REFERENCE ONLY.
B.	COORDINATE WITH ENGINEERING DRAWINGS. REFER ANY DISCREPANCIES TO COR AND ARCHITECT.
C.	REFER TO PLUMBING ENGINEERING DRAWINGS FOR ADDITIONAL COORDINATION INFORMATION ON SINKS.
D.	PROVIDE BLOCKING AS REQUIRED. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
E.	REFER TO TOILET ACCESSORY SCHEDULE FOR INFORMATION REGARDING ACCESSORIES. PROVIDE SOAP AND PAPER TOWEL DISPENSERS AT EACH SINK WITHIN PROJECT BOUNDARY.
F.	REFER TO SPECIFICATIONS FOR CASEWORK HARDWARE.
G.	REFER TO FINISH SCHEDULE ON SHEET AI SERIES FOR ADDITIONAL INFORMATION.
H.	REFER TO INTERIOR ELEVATION AND FINISHES SHEET AI SERIES FOR ADDITIONAL NOTES AND LEGENDS.
I.	PROVIDE WORK SURFACE SUPPORT BRACKETS AS NECESSARY WITH SPACING RECOMMENDED BY MANUFACTURER. COORDINATE SUPPORT LOCATIONS WITH UNDERCOUNTER EQUIPMENT AND FURNITURE.
J.	PROVIDE FILLER PANELS BETWEEN WALLS AND CABINETS, NOT TO EXCEED 3". VERIFY DIMENSIONS IN THE FIELD.
K.	PROVIDE PLASTIC LAMINATE ON ALL EXPOSED SURFACES, EDGES AND ENDS OF WALL MOUNTED AND BASE CABINETS. INTERIORS SHALL BE WHITE MELAMINE. PROVIDE FURNITURE FINISHED ENDS ON ALL EXPOSED SIDES OF CASEWORK.
L.	WALLS AND INFILL WALL CONSTRUCTION AND FINISHES SHALL BE PROVIDED FROM WALL CORNER TO WALL CORNER.
M.	REFER TO INTERIOR ELEVATION AI SERIES FOR ADDITIONAL INFORMATION.
N.	REFER TO FINISH PLANS AI SERIES FOR INFORMATION REGARDING ACCENT PAINT LOCATIONS AND FLOORING PATTERNS.
O.	PROVIDE P-1 ON WALLS, UNLESS OTHERWISE NOTED.
P.	PROVIDE P-8 ON GYPSUM BOARD CEILINGS AND BULKHEADS, UNLESS OTHERWISE NOTED.
Q.	PROVIDE PAINT TO MATCH WALL PAINT ON ALL EXPOSED METAL ACCESS PANELS, DUCTS AND OTHER MISC. EXPOSED CONSTRUCTION ELEMENTS, UNLESS OTHERWISE NOTED.
R.	PATCH AND/OR REPAIR, FINISH, AND PAINT ALL WALLS IN AREA OF WORK.
S.	REFER TO INTERIOR ELEVATION SHEET AI SERIES FOR WALL TILE PATTERN. PAINT WALLS ABOVE TILE AS IDENTIFIED IN FINISH SCHEDULE.
T.	PROVIDE TS-1 BETWEEN CERAMIC TILE FLOORING AND LVT.
U.	PROVIDE TS-2 BETWEEN LVT FLOORING AND RESILIENT FLOORING.
V.	PROVIDE TS-3 BETWEEN LVT AND RUBBER FLOORING.
W.	PROVIDE MANUFACTURER TYPICAL TRIM, TRANSITION, AND FINISHING ACCESSORIES. EDGES AND JOINT SHALL BE FINISHED SMOOTH AND TO MANUFACTURER'S INSTRUCTIONS.
X.	PROVIDE VERTICAL LAMINATE GRAIN ON VERTICAL SURFACES AND SLOPED TOPS, UNLESS OTHERWISE NOTED.
Y.	INSTALL CORNER GUARDS MOUNTED ABOVE RESILIENT BASE.
Z.	INSTALL WALL BASE OVER IMPACT RESISTANT WALL PROTECTION.
AA.	ALL HOLLOW METAL DOORS AND DOOR FRAMES TO BE PAINTED P-9.
BB.	CONTRACTOR SHALL PROVIDE FLOOR FINISH TRANSITIONS BETWEEN NEW FLOORING AND EXISTING FLOORING TO REMAIN.



1 AI101 SIXTH FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SIXTH FLOOR INTERIOR FINISH PLAN	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: AI101
		Issue Date: 09/21/2023 · Checked: ARO · Drawn: B AMJAD	

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WALL FINISH LEGEND

— · — · —	HANDRAIL & CRASH RAIL HR-1 & CR-1
- - - - - -	RIGID VINYL WALL COVERING RWC-1
· · · · · ·	RIGID VINYL WALL COVERING RWC-2
●	CORNER GUARDS CG-1
—·—·—·—	HIGH IMPACT DIGITAL WALLCOVERING

NOTE: ROOM FINISH SCHEDULE IS LOCATED ON SHEET AI205

INTERIOR WALL FINISH PLAN NOTES

1. PROVIDE CORNER GUARD CG-1. MOUNT ABOVE WALL BASE TO FINISHED CEILING.
2. PROVIDE HANDRAIL AND CRASH RAIL THROUGHOUT CORRIDORS AND PROVIDE RIGID VINYL WALLCOVERING AS DETAILED IN AI SERIES.
3. PROVIDE HIGH IMPACT DIGITAL WALL COVERING FROM FLOOR TO CEILING. REFER TO AI SERIES FOR DIMENSIONS AND PLACEMENT.
4. HIGH IMPACT DIGITAL WALLCOVERING INSTALLED OVER KITCHEN BUMP OUTS. REFER TO A1201 FOR ELEVATION DETAILS.

INTERIOR FINISHES GENERAL NOTES

A. COORDINATE CONSTRUCTION WITH OWNER FURNISHED AND CONTRACTOR PROVIDED EQUIPMENT. REFER TO EQUIPMENT SCHEDULE AND EQUIPMENT PLAN FOR ADDITIONAL INFORMATION. FURNITURE AND EQUIPMENT SHOWN FOR REFERENCE ONLY.

B. COORDINATE WITH ENGINEERING DRAWINGS. REFER ANY DISCREPANCIES TO COR AND ARCHITECT.

C. REFER TO PLUMBING ENGINEERING DRAWINGS FOR ADDITIONAL COORDINATION INFORMATION ON SINKS.

D. PROVIDE BLOCKING AS REQUIRED. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

E. REFER TO TOILET ACCESSORY SCHEDULE FOR INFORMATION REGARDING ACCESSORIES. PROVIDE SOAP AND PAPER TOWEL DISPENSERS AT EACH SINK WITHIN PROJECT BOUNDARY.

F. REFER TO SPECIFICATIONS FOR CASEWORK HARDWARE.

G. REFER TO FINISH SCHEDULE ON SHEET AI SERIES FOR ADDITIONAL INFORMATION.

H. REFER TO INTERIOR ELEVATION AND FINISHES SHEET AI SERIES FOR ADDITIONAL NOTES AND LEGENDS.

I. PROVIDE WORK SURFACE SUPPORT BRACKETS AS NECESSARY WITH SPACING RECOMMENDED BY MANUFACTURER. COORDINATE SUPPORT LOCATIONS WITH UNDERCOUNTER EQUIPMENT AND FURNITURE.

J. PROVIDE FILLER PANELS BETWEEN WALLS AND CABINETS, NOT TO EXCEED 3". VERIFY DIMENSIONS IN THE FIELD.

K. PROVIDE PLASTIC LAMINATE ON ALL EXPOSED SURFACES, EDGES AND ENDS OF WALL MOUNTED AND BASE CABINETS. INTERIORS SHALL BE WHITE MELAMINE. PROVIDE FURNITURE FINISHED ENDS ON ALL EXPOSED SIDES OF CASEWORK.

L. WALLS AND INFILL WALL CONSTRUCTION AND FINISHES SHALL BE PROVIDED FROM WALL CORNER TO WALL CORNER.

M. REFER TO INTERIOR ELEVATION AI SERIES FOR ADDITIONAL INFORMATION.

N. REFER TO FINISH PLANS AI SERIES FOR INFORMATION REGARDING ACCENT PAINT LOCATIONS AND FLOORING PATTERNS.

O. PROVIDE P-1 ON WALLS, UNLESS OTHERWISE NOTED.

P. PROVIDE P-8 ON GYPSUM BOARD CEILINGS AND BULKHEADS, UNLESS OTHERWISE NOTED.

Q. PROVIDE PAINT TO MATCH WALL PAINT ON ALL EXPOSED METAL ACCESS PANELS, DUCTS AND OTHER MISC. EXPOSED CONSTRUCTION ELEMENTS, UNLESS OTHERWISE NOTED.

R. PATCH AND/OR REPAIR, FINISH, AND PAINT ALL WALLS IN AREA OF WORK.

S. REFER TO INTERIOR ELEVATION SHEET AI SERIES FOR WALL TILE PATTERN. PAINT WALLS ABOVE TILE AS IDENTIFIED IN FINISH SCHEDULE.

T. PROVIDE TS-1 BETWEEN CERAMIC TILE FLOORING AND LVT.

U. PROVIDE TS-2 BETWEEN LVT FLOORING AND RESILIENT FLOORING.

V. PROVIDE TS-3 BETWEEN LVT AND RUBBER FLOORING.

W. PROVIDE MANUFACTURER TYPICAL TRIM, TRANSITION, AND FINISHING ACCESSORIES. EDGES AND JOINT SHALL BE FINISHED SMOOTH AND TO MANUFACTURER'S INSTRUCTIONS.

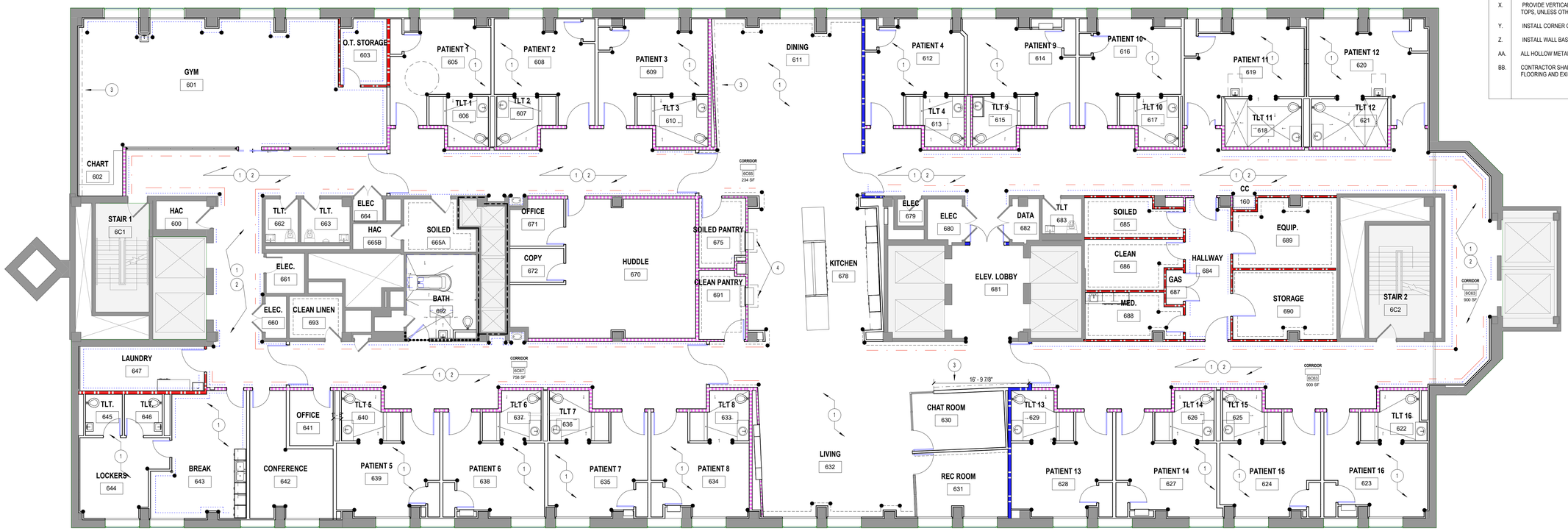
X. PROVIDE VERTICAL LAMINATE GRAIN ON VERTICAL SURFACES AND SLOPED TOPS, UNLESS OTHERWISE NOTED.

Y. INSTALL CORNER GUARDS MOUNTED ABOVE RESILIENT BASE.

Z. INSTALL WALL BASE OVER IMPACT RESISTANT WALL PROTECTION.

AA. ALL HOLLOW METAL DOORS AND DOOR FRAMES TO BE PAINTED P-9.

BB. CONTRACTOR SHALL PROVIDE FLOOR FINISH TRANSITIONS BETWEEN NEW FLOORING AND EXISTING FLOORING TO REMAIN.



1 AI102 SIXTH FLOOR WALL FINISH PLAN
SCALE: 1/8" = 1'-0"

Revisions:	Date:

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CHARLOTTE ENGINEERS

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	SIXTH FLOOR WALL PROTECTION PLAN
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC
Project Number	508-22-105
Building Number	C
Approved:	
	FULLY SPRINKLERED
Location	1670 CLAIRMONT RD, DECATUR, GA
Issue Date	09/21/2023
Checked	ARO
Drawn	B AMJAD
Drawing Number	AI102

VA FORM 08 - 6231

BIM 360://22-1022 - VA Atlanta - 6th Floor CLC/22-1022_A_v21.rvt

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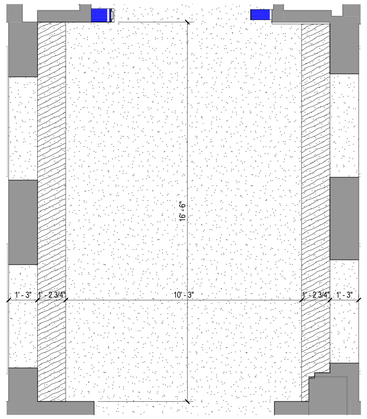

2 / A1103 ENLARGED PLAN- ELEVATOR LOBBY FLOOR PATTERN
SCALE: 3/8" = 1'-0"

FLOOR FINISH LEGEND

LVT-1	PT-1	PT-2
LVT-2	WSF-1	PT-6
RF-1	QT-1	
ETR	SDT	

NOTE: ROOM FINISH SCHEDULE LOCATED ON SHEET AI205

INTERIOR FINISHES GENERAL NOTES

A. COORDINATE CONSTRUCTION WITH OWNER FURNISHED AND CONTRACTOR PROVIDED EQUIPMENT. REFER TO EQUIPMENT SCHEDULE AND EQUIPMENT PLAN FOR ADDITIONAL INFORMATION. FURNITURE AND EQUIPMENT SHOWN FOR REFERENCE ONLY.

B. COORDINATE WITH ENGINEERING DRAWINGS. REFER ANY DISCREPANCIES TO COR AND ARCHITECT.

C. REFER TO PLUMBING ENGINEERING DRAWINGS FOR ADDITIONAL COORDINATION INFORMATION ON SINKS.

D. PROVIDE BLOCKING AS REQUIRED. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

E. REFER TO TOILET ACCESSORY SCHEDULE FOR INFORMATION REGARDING ACCESSORIES. PROVIDE SOAP AND PAPER TOWEL DISPENSERS AT EACH SINK WITHIN PROJECT BOUNDARY.

F. REFER TO SPECIFICATIONS FOR CASEWORK HARDWARE.

G. REFER TO FINISH SCHEDULE ON SHEET AI SERIES FOR ADDITIONAL INFORMATION.

H. REFER TO INTERIOR ELEVATION AND FINISHES SHEET AI SERIES FOR ADDITIONAL NOTES AND LEGENDS.

I. PROVIDE WORK SURFACE SUPPORT BRACKETS AS NECESSARY WITH SPACING RECOMMENDED BY MANUFACTURER. COORDINATE SUPPORT LOCATIONS WITH UNDERCOUNTER EQUIPMENT AND FURNITURE.

J. PROVIDE FILLER PANELS BETWEEN WALLS AND CABINETS, NOT TO EXCEED 3". VERIFY DIMENSIONS IN THE FIELD.

K. PROVIDE PLASTIC LAMINATE ON ALL EXPOSED SURFACES, EDGES AND ENDS OF WALL MOUNTED AND BASE CABINETS. INTERIORS SHALL BE WHITE MELAMINE. PROVIDE FURNITURE FINISHED ENDS ON ALL EXPOSED SIDES OF CASEWORK.

L. WALLS AND INFILL WALL CONSTRUCTION AND FINISHES SHALL BE PROVIDED FROM WALL CORNER TO WALL CORNER.

M. REFER TO INTERIOR ELEVATION AI SERIES FOR ADDITIONAL INFORMATION.

N. REFER TO FINISH PLANS AI SERIES FOR INFORMATION REGARDING ACCENT PAINT LOCATIONS AND FLOORING PATTERNS.

O. PROVIDE P-1 ON WALLS, UNLESS OTHERWISE NOTED.

P. PROVIDE P-9 ON GYPSUM BOARD CEILINGS AND BULKHEADS, UNLESS OTHERWISE NOTED.

Q. PROVIDE PAINT TO MATCH WALL PAINT ON ALL EXPOSED METAL ACCESS PANELS, DUCTS AND OTHER MISC. EXPOSED CONSTRUCTION ELEMENTS, UNLESS OTHERWISE NOTED.

R. PATCH AND/OR REPAIR, FINISH, AND PAINT ALL WALLS IN AREA OF WORK.

S. REFER TO INTERIOR ELEVATION SHEET AI SERIES FOR WALL TILE PATTERN. PAINT WALLS ABOVE TILE AS IDENTIFIED IN FINISH SCHEDULE.

T. PROVIDE TS-1 BETWEEN CERAMIC TILE FLOORING AND CARPET FLOOR.

U. PROVIDE TS-2 BETWEEN CERAMIC TILE FLOORING AND RESILIENT FLOORING.

V. PROVIDE TS-3 BETWEEN CARPET AND RESILIENT TILE FLOORING.

W. PROVIDE MANUFACTURER TYPICAL TRIM, TRANSITION, AND FINISHING ACCESSORIES. EDGES AND JOINT SHALL BE FINISHED SMOOTH AND TO MANUFACTURER'S INSTRUCTIONS.

X. PROVIDE VERTICAL LAMINATE GRAIN ON VERTICAL SURFACES AND SLOPED TOPS, UNLESS OTHERWISE NOTED.

Y. INSTALL CORNER GUARDS MOUNTED ABOVE RESILIENT BASE.

Z. INSTALL WALL BASE OVER IMPACT RESISTANT WALL PROTECTION.

1 / A1103 SIXTH FLOOR DETAIL FLOOR PLAN
SCALE: 1/8" = 1'-0"

Revisions:	Date:

CONSULTANT

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STATE OF GEORGIA
LUKE J. LEISING
REGISTERED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SIXTH FLOOR DETAIL FLOOR FINISHES & PATTERNS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: AI103
		Issue Date: 09/21/2023 · Checked: ARO · Drawn: B. AMJAD	

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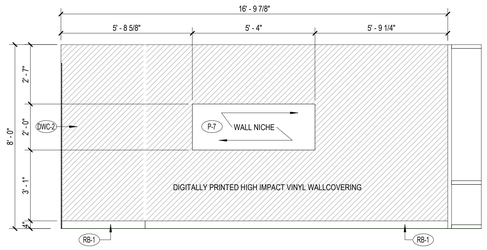
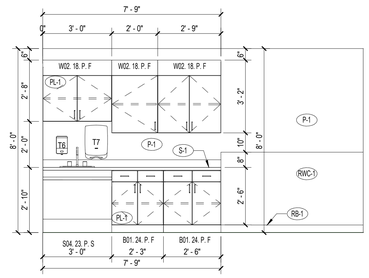
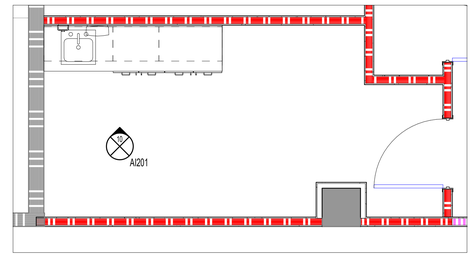
NOTE: MATCH ELECTRICAL DRAWINGS FOR CO-ORDINATION



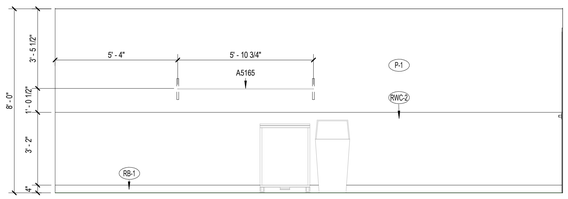
11 AI201 **INTERIOR ELEVATION- CORRIDOR CHECK-IN**
SCALE: 3/8" = 1'-0"



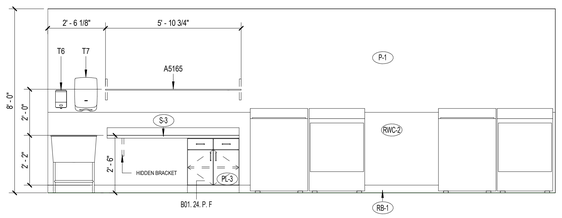
10 AI201 **INTERIOR ELEVATION- MEDICATION ROOM WEST**
SCALE: 3/8" = 1'-0"



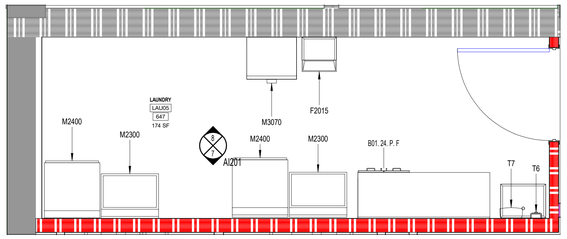
9 AI201 **ENLARED PLAN- MEDICATION ROOM**
SCALE: 3/8" = 1'-0"



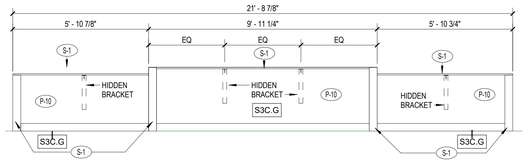
8 AI201 **INTERIOR ELEVATION -LAUNDRY ROOM WEST**
SCALE: 3/8" = 1'-0"



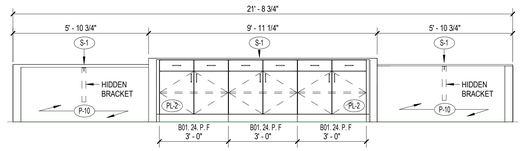
7 AI201 **INTERIOR ELEVATION- LAUNDRY ROOM EAST**
SCALE: 3/8" = 1'-0"



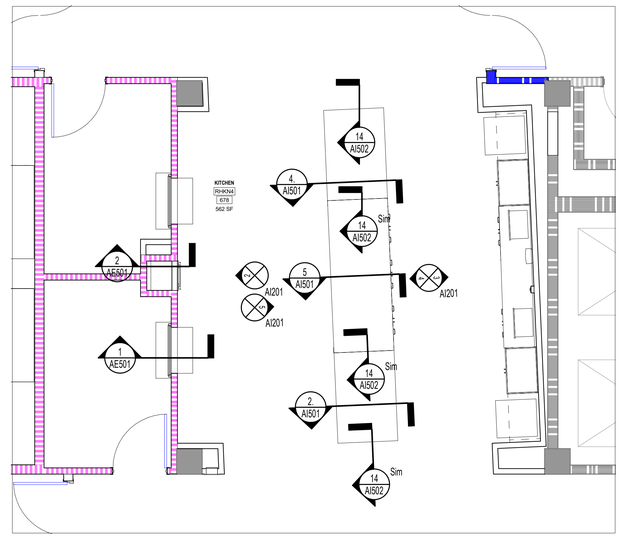
6 AI201 **ENLARGED- PLAN LAUNDRY**
SCALE: 3/8" = 1'-0"



5 AI201 **INTERIOR ELEVATION- KITCHEN ISLAND NORTH ELEVATION**
SCALE: 3/8" = 1'-0"



4 AI201 **INTERIOR ELEVATION- KITCHEN ISLAND SOUTH ELEVATION**
SCALE: 3/8" = 1'-0"



NOTE: FOR SECTION DETAILS REFER TO AI501 & AI502

1 AI201 **ENLARGED PLAN- KITCHEN**
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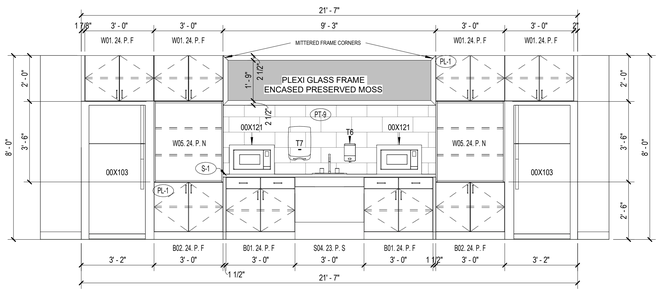

3 AI201 **INTERIOR ELEVATION - KITCHEN NORTH**
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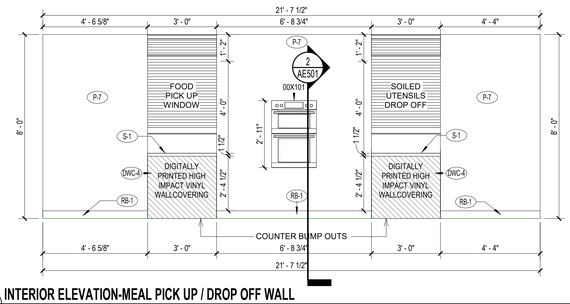

2 AI201 **INTERIOR ELEVATION-MEAL PICK UP / DROP OFF WALL**
SCALE: 3/8" = 1'-0"

Revisions:	Date:

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CHARLOTTE ENGINEERS

STAMP

STATE OF GEORGIA
LUKE J. LEISING
REGISTERED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
ENLARGED PLANS & INTERIOR ELEVATIONS	100% CONSTRUCTION DOCUMENTS	RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC	508-22-105
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Building Number: C
		Issue Date: 09/21/2023 · Checked: ARO · Drawn: B AMJAD	Drawing Number: AI201

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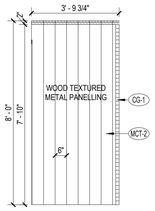
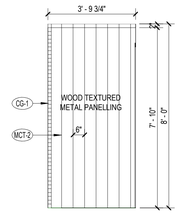
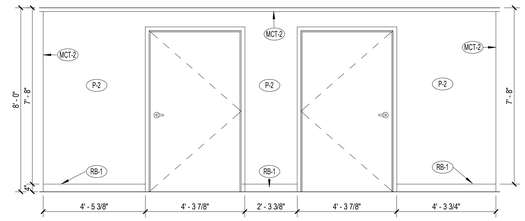
NOTE: MATCH ELECTRICAL DRAWINGS FOR CO-ORDINATION



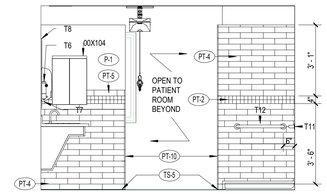
13 / AI202 INTERIOR ELEVATION - TYPICAL PATIENT ALCOVE NORTH
SCALE: 3/8" = 1'-0"



11 / AI202 INTERIOR ELEVATION - TYPICAL PATIENT ALCOVE SOUTH
SCALE: 3/8" = 1'-0"

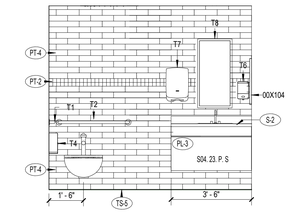


10 / AI202 INTERIOR ELEVATION - TYPICAL PATIENT ALCOVE WEST
SCALE: 3/8" = 1'-0"



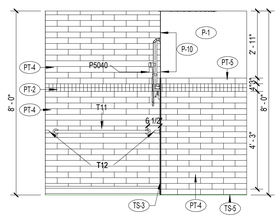
9 / AI202 INTERIOR ELEVATION - TYPICAL PATIENT RESTROOM WEST
SCALE: 3/8" = 1'-0"

NOTE: TILE PATTERN TO REMAIN THE SAME IN ALL PATIENT RESTROOMS



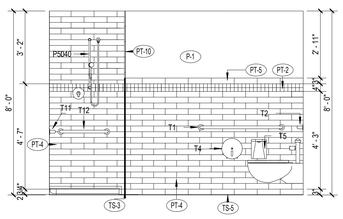
8 / AI202 INTERIOR ELEVATION - TYPICAL PATIENT RESTROOM SOUTH
SCALE: 3/8" = 1'-0"

NOTE: TILE PATTERN TO REMAIN THE SAME IN ALL PATIENT RESTROOMS



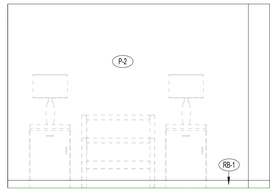
7 / AI202 INTERIOR ELEVATION - TYPICAL PATIENT RESTROOM NORTH
SCALE: 3/8" = 1'-0"

NOTE: TILE PATTERN TO REMAIN THE SAME IN ALL PATIENT RESTROOMS

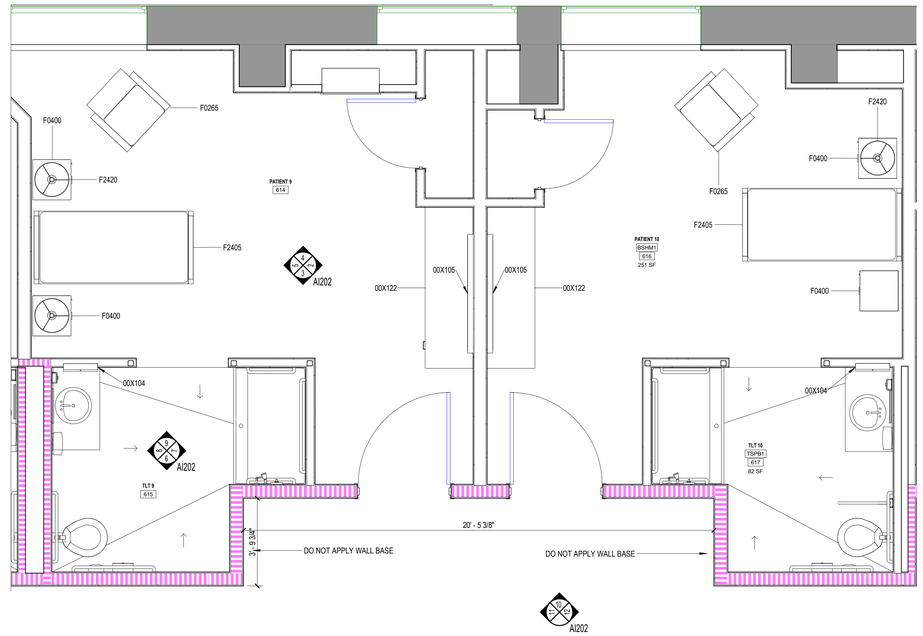


6 / AI202 INTERIOR ELEVATION - TYPICAL PATIENT RESTROOM EAST
SCALE: 3/8" = 1'-0"

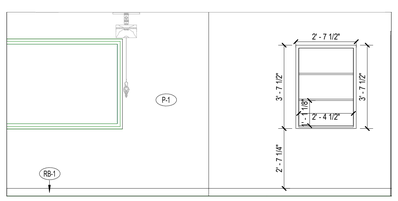
NOTE: TILE PATTERN TO REMAIN THE SAME IN ALL PATIENT RESTROOMS



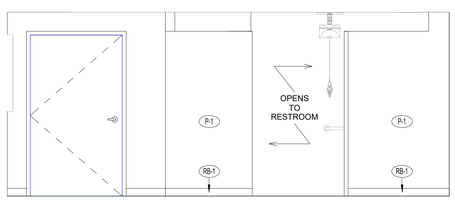
5 / AI202 INTERIOR ELEVATION - TYPICAL PATIENT ROOM SOUTH
SCALE: 3/8" = 1'-0"



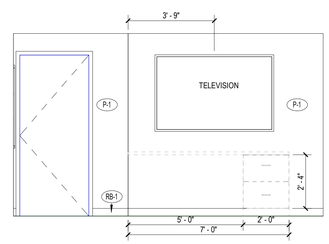
1 / AI202 ENLARGED PLAN- TYPICAL PATIENT ROOM & RESTROOM
SCALE: 3/8" = 1'-0"



4 / AI202 INTERIOR ELEVATION - TYPICAL PATIENT ROOM WEST
SCALE: 3/8" = 1'-0"



3 / AI202 INTERIOR ELEVATION - TYPICAL PATIENT ROOM EAST
SCALE: 3/8" = 1'-0"



2 / AI202 INTERIOR ELEVATION - TYPICAL PATIENT ROOM NORTH
SCALE: 3/8" = 1'-0"

Revisions:	Date:

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CHARLOTTE ENGINEERS

STAMP

STATE OF GEORGIA
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REGISTERED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ENLARGED PLANS & INTERIOR ELEVATIONS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: AI202
		Issue Date: 09/21/2023 · Checked: ARO · Drawn: B AMJAD	

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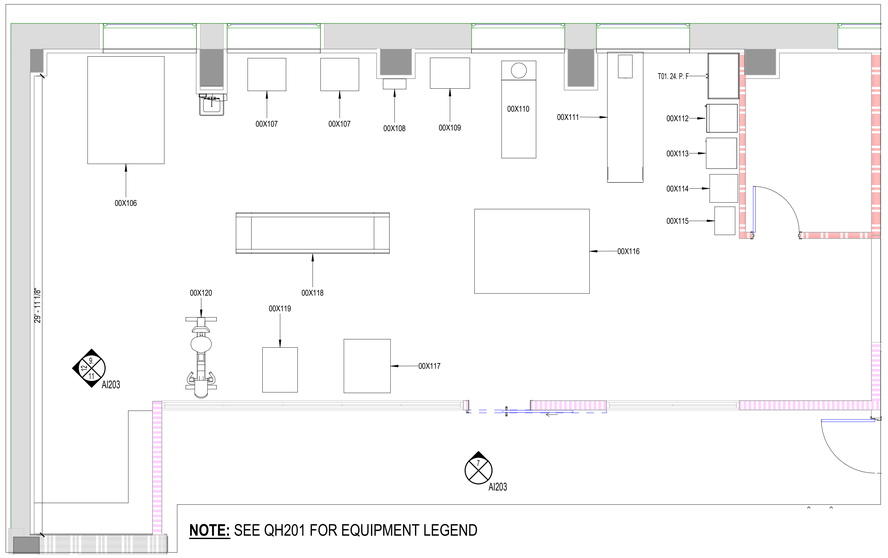
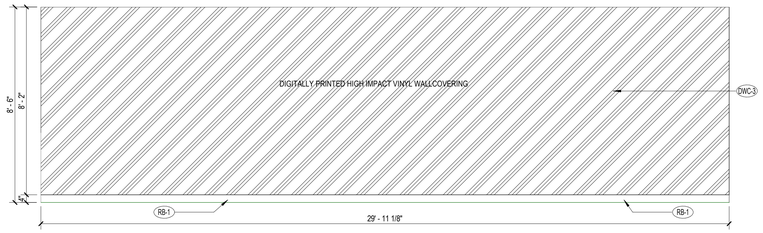
NOTE: MATCH ELECTRICAL DRAWINGS FOR CO-ORDINATION

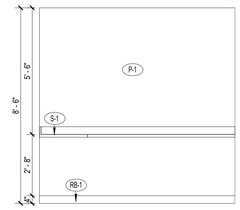


NOTE: SEE QH201 FOR EQUIPMENT LEGEND

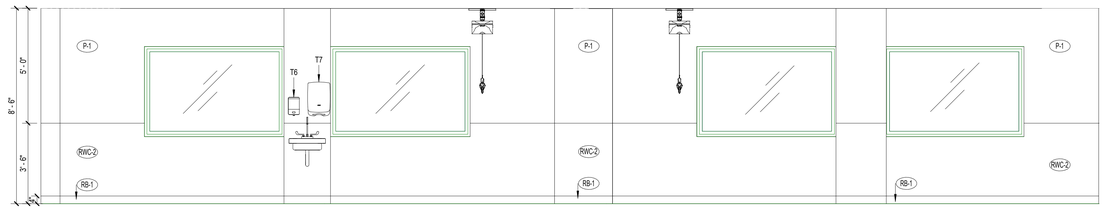
10 / AI203 **ENLARGED PLAN- GYM**
SCALE: 1/4" = 1'-0"



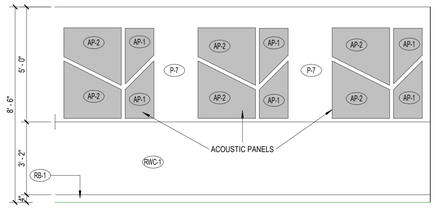
12 / AI203 **INTERIOR ELEVATION- GYM SOUTH WALL**
SCALE: 3/8" = 1'-0"



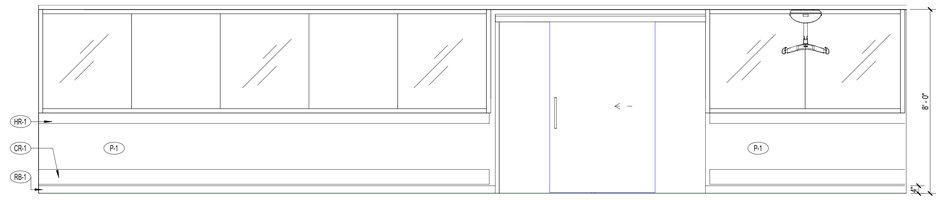
11 / AI203 **INTERIOR ELEVATION- GYM CHARTING STATION EAST**
SCALE: 3/8" = 1'-0"



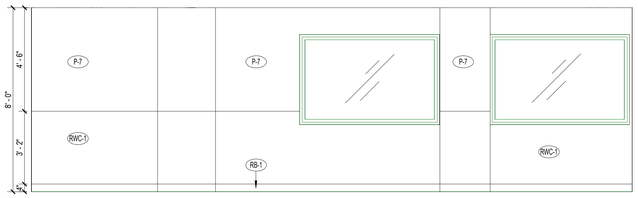
9 / AI203 **INTERIOR ELEVATION- GYM WEST WALL**
SCALE: 3/8" = 1'-0"



8 / AI203 **INTERIOR ELEVATION- RECREATION ROOM WEST WALL**
SCALE: 3/8" = 1'-0"

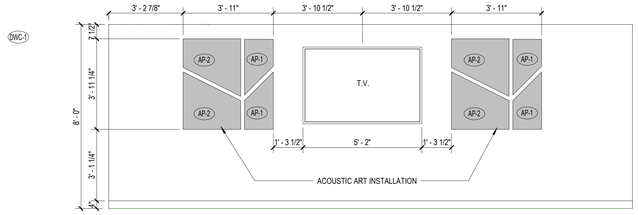


7 / AI203 **INTERIOR ELEVATION- CORRIDOR GYM ENTRANCE**
SCALE: 3/8" = 1'-0"

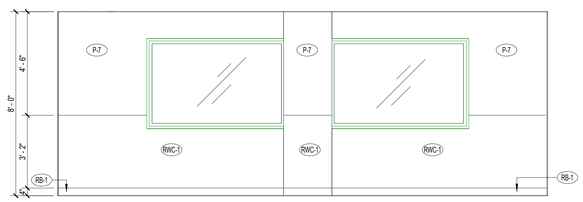


6 / AI203 **INTERIOR ELEVATION- DINING ROOM WEST WALL**
SCALE: 3/8" = 1'-0"

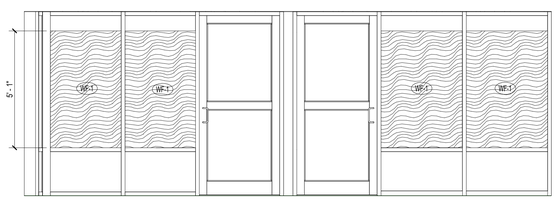
5 / AI203 **INTERIOR ELEVATION- DINING ROOM SOUTH WALL**
SCALE: 3/8" = 1'-0"



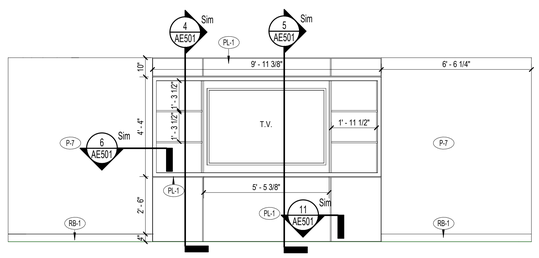
4 / AI203 **INTERIOR ELEVATION- DINING ROOM NORTH WALL**
SCALE: 3/8" = 1'-0"



3 / AI203 **LIVING ROOM EAST ELEVATION**
SCALE: 3/8" = 1'-0"



2 / AI203 **INTERIOR ELEVATION- LIVING ROOM NORTH**
SCALE: 3/8" = 1'-0"



1 / AI203 **INTERIOR ELEVATION- LIVING ROOM SOUTH**
SCALE: 3/8" = 1'-0"

Revisions:	Date:

CONSULTANT

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STATE OF GEORGIA
LUKE J. LEISING
REGISTERED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
ENLARGED PLANS & INTERIOR ELEVATIONS	100% CONSTRUCTION DOCUMENTS	RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC	508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: AI203
		Issue Date: 09/21/2023 · Checked: ARO · Drawn: B AMJAD	

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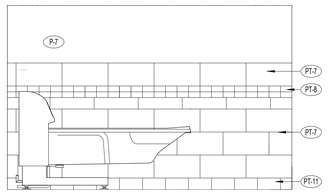
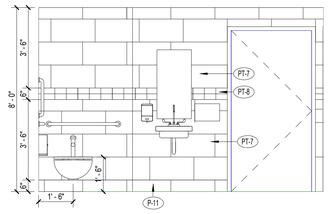
VA FORM 08 - 6231

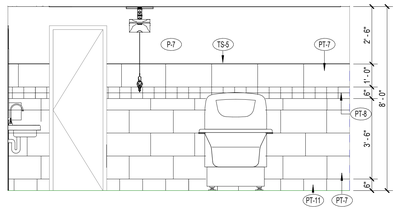
NOTE: MATCH ELECTRICAL DRAWINGS FOR CO-ORDINATION



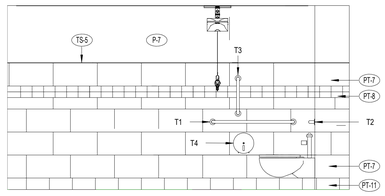
14 / AI204 INTERIOR ELEVATION- BATHING SUITE WEST WALL
SCALE: 3/8" = 1'-0"



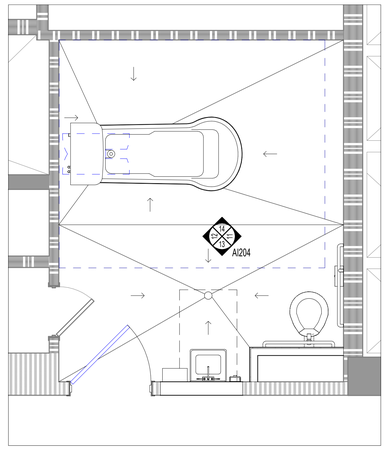
13 / AI204 INTERIOR ELEVATION- BATHING SUITE EAST WALL
SCALE: 3/8" = 1'-0"



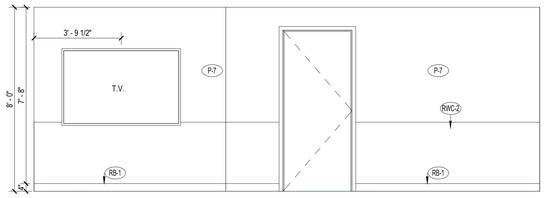
12 / AI204 INTERIOR ELEVATION- BATHING SUITE SOUTH WALL
SCALE: 3/8" = 1'-0"



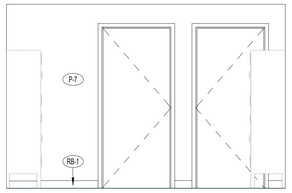
11 / AI204 INTERIOR ELEVATION - BATHING SUITE NORTH WALL
SCALE: 3/8" = 1'-0"



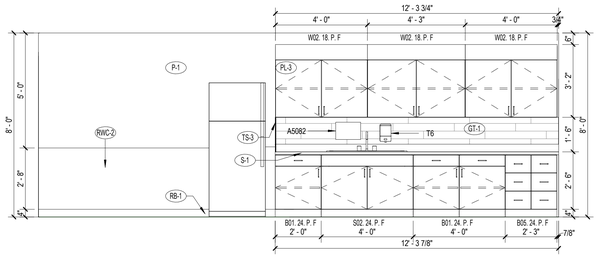
10 / AI204 ENLARGED PLAN- BATHING SUITE
SCALE: 3/8" = 1'-0"



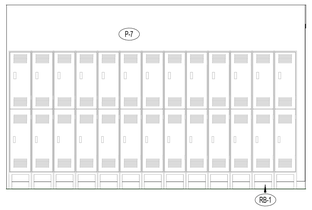
9 / AI204 INTERIOR ELEVATION- STAFF BREAK ROOM SOUTH
SCALE: 3/8" = 1'-0"



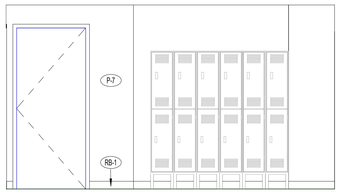
8 / AI204 INTERIOR ELEVATION- STAFF LOCKER ROOM WEST
SCALE: 3/8" = 1'-0"



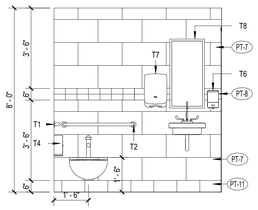
7 / AI204 INTERIOR ELEVATION- BREAK ROOM NORTH
SCALE: 3/8" = 1'-0"



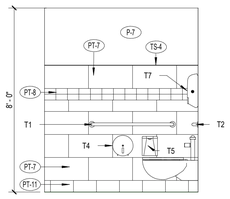
6 / AI204 INTERIOR ELEVATION- STAFF LOCKER ROOM SOUTH
SCALE: 3/8" = 1'-0"



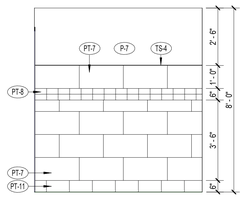
5 / AI204 INTERIOR ELEVATION- STAFF LOCKER ROOM NORTH
SCALE: 3/8" = 1'-0"



5 / AI204 INTERIOR ELEVATION- STAFF RESTROOM NORTH
SCALE: 3/8" = 1'-0"

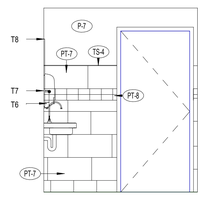


4 / AI204 INTERIOR ELEVATION- STAFF RESTROOM WEST
SCALE: 3/8" = 1'-0"

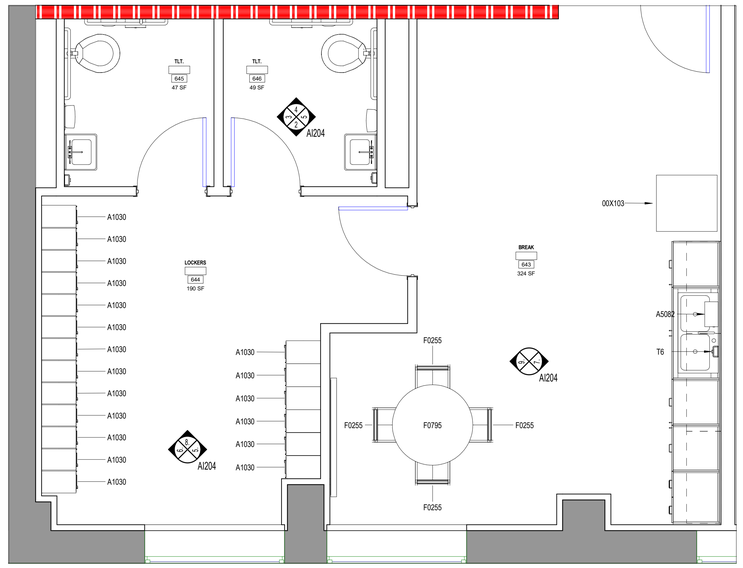


NOTE: WALL TILE PATTERN TYPICAL FOR BOTH STAFF RESTROOMS 645 & 646

3 / AI204 INTERIOR ELEVATION- STAFF RESTROOM SOUTH
SCALE: 3/8" = 1'-0"



2 / AI204 INTERIOR ELEVATION- STAFF RESTROOM EAST
SCALE: 3/8" = 1'-0"



1 / AI204 ENLARGED PLAN- STAFF AREA & RESTROOMS
SCALE: 3/8" = 1'-0"

Revisions:	Date:

CONSULTANT

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
ENLARGED PLANS & INTERIOR ELEVATIONS	100% CONSTRUCTION DOCUMENTS	RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC	508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: AI204
		Issue Date: 09/21/2023 · Checked: ARO · Drawn: B AMJAD	

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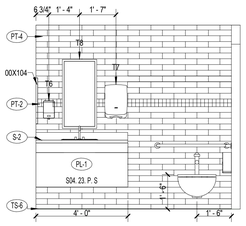
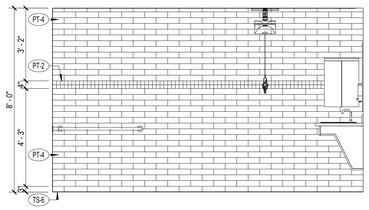
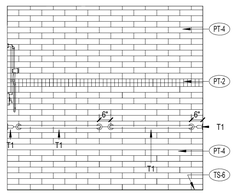
NOTE: MATCH ELECTRICAL DRAWINGS FOR CO-ORDINATION



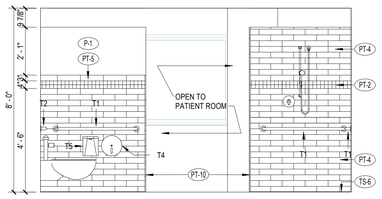
5 / AI205 INTERIOR ELEVATION - TYPICAL SPINAL CORD RESTROOM SOUTH
SCALE: 3/8" = 1'-0"



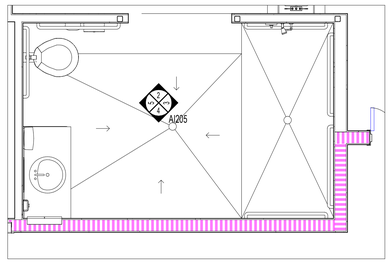
4 / AI205 INTERIOR ELEVATION - TYPICAL SPINAL CORD RESTROOM EAST
SCALE: 3/8" = 1'-0"



3 / AI205 INTERIOR ELEVATION - TYPICAL SPINAL CORD RESTROOM NORTH
SCALE: 3/8" = 1'-0"



2 / AI205 INTERIOR ELEVATION -TYPICAL SPINAL CORD RESTROOM WEST
SCALE: 3/8" = 1'-0"



1 / AI205 ENLARGED PLAN- TYPICAL SPINAL CORD RESTROOM
SCALE: 3/8" = 1'-0"

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
ENLARGED PLANS & INTERIOR ELEVATIONS	100% CONSTRUCTION DOCUMENTS	RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC	508-22-105
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Building Number: C
		Issue Date: 09/21/2023 · Checked: ARO · Drawn: B AMJAD	Drawing Number: AI205

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INTERIOR FINISH SCHEDULE COMMENTS

1.	PANELS ARE SHIPPED IN PAIRS.
2.	ROLLED GOOD.
3.	SEE PLAN NOTE 1 ON AI101
4.	KITCHEN METAL PANEL CEILING.
5.	PATIENT ALCOVE METAL PANELS.
6.	CERAMIC TILE TO LVT & LVT TO CERAMIC TILE FLOORING TRANSITION.
7.	WELDED SHEET TO LVT & LVT TO WELDED SHEET FLOORING TRANSITION.
8.	LVT TO RUBBER & RUBBER TO LVT FLOORING TRANSITIONS.
9.	BREAKROOM BACKSPLASH.
10.	ACCENT WALL PAINT
11.	CEILINGS & BULKHEADS PAINT
12.	DOORS AND DOOR FRAMES.
13.	ACCENT LAMINATE FOR KITCHEN ISLAND.
14.	KITCHEN BACKSPLASH
15.	WINDOW SILLS
16.	CLEAN & SOILED ROOMS TO RECEIVE HIGH PRESSURE GLAZED COATING OVER PAINT, UON.
17.	WINDOW FILM TO BE FROSTED.
18.	DINING ROOM WALLCOVERING
19.	ELEVATOR LOBBY CHECK-IN WALLCOVERING. SEE 9/AI201
20.	GYM WALLCOVERING.
21.	KITCHEN BUMP OUTS.
22.	HARDWARE TO MATCH WINDOW FRAME COLOR.
23.	PROVIDE MATCHING WELD ROD. HEAT WELD SEAMS.
24.	HEAVY DUTY EDGE PROFILE PROTECTION.
25.	CLEAN / STERILE ROOMS.
26.	RUNNING BOND PATTERN.
27.	FINISH EDGE FOR BATHROOM TILE PT-7
28.	CUT TO 4" HIGH. SEE PATIENT ELEVATIONS ON AI202
29.	LVT TO STATIC DISSIPATIVE & STATIC DISSIPATIVE TO LVT FLOORING TRANSITION.
30.	COVE TRANSITION FROM WALL TO FLOOR TILE.

INTERIOR FINISH SCHEDULE

FINISH MARK	FINISH	MANUFACTURER	PATTERN/STYLE	COLOR	SIZES	COMMENTS
AP-1	ACOUSTIC WALL PANELS	SNOWSOUND USA	FLAT- #440036259	WHITE	15" X 15" X 29" PANEL	1
AP-2	ACOUSTIC WALL PANELS	SNOWSOUND USA	FLAT- #440036258	WHITE	15" X 30" X 30" PANEL	1
AT-1	ACOUSTICAL CEILING TILE	ARMSTRONG OR EQUAL	CALLA	WHITE	24X24	
AT-2	ACOUSTICAL CEILING TILE	ARMSTRONG OR EQUAL	CALLA HEALTH ZONE AIRASSURE	WHITE	24X24	25
CG-1	CORNER GUARD	ACROVYN	SSM SERIES	410 BRUSHED SILVER		
CR-1	CRASH RAIL	INPRO 700		RIVER ROCK		
DWC-1	IMPACT RESISTANT DIGITAL WALL COVERING	leVel	TARGA	CENTRAL PARK, BIRCH	4'x10' PANEL	18
DWC-2	IMPACT RESISTANT DIGITAL WALL COVERING	leVel	TARGA	JAPANESE MAPLE, PORCELAIN #L11-1003	4'x10' PANEL	19
DWC-3	IMPACT RESISTANT DIGITAL WALL COVERING	leVel	TARGA	DESIGN # L72201, WORD PLAY, SPLASH TITANIUM	4'x10' PANEL	20
DWC-4	IMPACT RESISTANT DIGITAL WALL COVERING	leVel	TARGA	THE GREAT VINE, UPBEAT #L11145G	4'x10' PANEL	21
GR-1	GROUT	LATICRETE OR EQUAL		90 - LIGHT PEWTER		
GR-2	GROUT	LATICRETE OR EQUAL		89 - SMOKE GRAY		
GT-1	GLASS TILE MOSAIC	EMSER TILE	LUCENTE	SERVOLO LINEAR	4"x8" PANEL	9
HR-1	HANDRAIL	INPRO 800		RIVER ROCK		
LVT-1	LUXURY VINYL TILE	MOHAWK OR EQUAL	PREMIUM WOOD C0194	123 WESTERN WOODS	6" x 48"	
LVT-2	LUXURY VINYL TILE	MOHAWK OR EQUAL	PREMIUM WOOD C0194	838 BEAGLE	6" x 48"	
MCT-1	METAL CEILING / WALL PANELS	ARMSTRONG OR EQUAL	METALWORKS LINEAR CLASSIC	EFFECTS GINGER	96"x6"x5/8"	4
MCT-2	METAL CEILING / WALL PANELS	ARMSTRONG OR EQUAL	METALWORKS IMMIX LINEAR	EFFECTS GINGER	24"X 96"x2" PANELS WITH 6" NOMINAL WIDE PLANKS PLACED WITH NO OPEN AREA BETEEN. 4 PLANKS / PANEL	5
P-1	PAINT	PPG OR EQUAL	EGGSHELL	ANTIQUE WHITE PPG 1024-2		
P-2	PAINT	PPG OR EQUAL	EGGSHELL	AMARETTO PPG 1066-6		10
P-3	PAINT	PPG OR EQUAL	EGGSHELL	SPRUCE SHADE PPG 1136-5		10
P-4	PAINT	PPG OR EQUAL	EGGSHELL	SILVER BLUEBERRY PPG 1163-5		10
P-5	PAINT	PPG OR EQUAL	EGGSHELL	BABBLING BROOKEPPG 1144-3		10
P-6	PAINT	PPG OR EQUAL	EGGSHELL	ASPARAGUS PPG1222-6		10
P-7	PAINT	PPG OR EQUAL	EGGSHELL	HIKERS PARADISE PPG 0998 - 2		3
P-8	PAINT	PPG OR EQUAL	EGGSHELL	DELICATE WHITE PPG1001-1		11
P-9	PAINT	PPG OR EQUAL	EGGSHELL	BEAR CUB PPG1000-5		12
P-10	PAINT	PPG OR EQUAL	EGGSHELL	BLUE BAYBERRY PPG 1149-7		10
PL-1	PLASTIC LAMINATE	WILSONART		BRAZILWOOD		
PL-2	PLASTIC LAMINATE	WILSONART		PEACOCK VELVET		13
PL-3	PLASTIC LAMINATE	WILSONART		NORWEGIAN ASH		
PM-1	PRESERVED MOSS	NEVINS BIOCANVAS	MEDIUM GREEN MOSS		1' X 2' PANELS	
PT-1	PORCELAIN / CERAMIC TILE	EMSER TILE OR EQUAL	ESPLANADE	ALLEY MATTE	12"X24"	26
PT-2	PORCELAIN / CERAMIC TILE	EMSER TILE OR EQUAL	ESPLANADE	ALLEY MATTE	12"X12"	28
PT-3	PORCELAIN / CERAMIC TILE	EMSER TILE OR EQUAL	ESPLANADE	ALLEY MATTE	3"X12" FLOOR SBN	
PT-4	PORCELAIN / CERAMIC TILE	EMSER TILE OR EQUAL	CATCH MATTE	MATTE FAWN	3"X12"	
PT-5	PORCELAIN / CERAMIC TILE	EMSER TILE OR EQUAL	CATCH MATTE	MATTE FAWN	3" X 12" WALL SBN	
PT-6	PORCELAIN / CERAMIC TILE	EMSER TILE OR EQUAL	BORIGNI	GRAY	18"X35"	26
PT-7	PORCELAIN / CERAMIC TILE	EMSER TILE OR EQUAL	BORIGNI	GRAY	12"X23"	
PT-8	PORCELAIN / CERAMIC TILE	EMSER TILE OR EQUAL	BACK TO BASICS	PEWTER MATTE	3"X6"	
PT-9	PORCELAIN / CERAMIC TILE	EMSER TILE OR EQUAL	RAKU	BLUE MATTE	3"X12"	14
PT-10	PORCELAIN / CERAMIC TILE	EMSER TILE OR EQUAL	CATCH MATTE	MATTE FAWN	1/2"X8" JOLLY	
PT-11	PORCELAIN / CERAMIC TILE	EMSER TILE OR EQUAL	BORIGNI	GRAY	6"X12" COVE BASE	
QT-1	QUARRY TILE	EMSER TILE OR EQUAL	E-QUARRY	COTTO	6" X 6"	
QT-2	QUARRY TILE BASE	EMSER TILE OR EQUAL	E-QUARRY	COTTO	6"X 6"	
RB-1	RESILIENT BASE	MOHAWK OR EQUAL	ELEMENTAL EDGES	852 KHAKI	4" BASE	
RF-1	RUBBER FLOORING	INTERFACE OR EQUAL	NORAPLAN LINEE	7309 QUARTZITE		2
RWC-1	RIGID VINYL WALL COVERING	ACROVYN		TAUPE 0113		2
RWC-2	RIGID VINYL WALL COVERING	ACROVYN		EGGSHELL 0111		2
S-1	SOLID SURFACE	CORIAN OR EQUAL		NEUTRAL AGGREGATE		
S-2	SOLID SURFACE	CORIAN OR EQUAL		WITCH HAZEL		
S-3	SOLID SURFACE	CORIAN OR EQUAL		CREMA CARRERA		15
SC	HIGH BUILD GLAZED COATING	SHERWIN WILLIAMS				16
SDT	STATIC DISSIPATIVE FLOORING	FLEXCO OR EQUAL	DISS	AMARETTO 318	12X12	
TS-1	TRANSITION STRIP METAL	SCHLUTER	RENO RAMP-K	STAINLESS STEEL		6
TS-2	TRANSITION STRIP METAL	SCHLUTER	SCHIENE	STAINLESS STEEL		7,8,29
TS-3	TRANSITION STRIP METAL	SCHLUTER	JOLLY	STAINLESS STEEL		24
TS-4	TRANSITION STRIP METAL	SCHLUTER	RONDEC BULLNOSE	STAINLESS STEEL	3/8" THICKNESS	27
TS-5	TRANSITION STRIP METAL	SCHLUTER	DILEX-AHK	STAINLESS STEEL		30
WF-1	WINDOW FILM	leVel	KIMONO	LSWF015-59F	59"X180"	17
WS-1	WINDOW SHADE	DRAPER	GREEN SCREEN EVOLVE	CLOUD		22
WSF-1	RESILIENT SHEET FLOORING	MOHAWK OR EQUAL	MEDELLA WELL	H6003 LAMB'S WOOL		23

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALL	CEILING	COMMENTS
6C60	CORRIDOR	LVT-1, LVT-2	RB-1	P-1, RWC-2	AT-1	2
6C61	CORRIDOR	LVT-1	RB-1	P-1, RWC-2	AT-1	2
6C63	CORRIDOR	LVT-1	RB-1	P-1, RWC-2	AT-1	2
6C64	CORRIDOR	LVT-1	RB-1	P-7, RWC-1	AT-1	2
6C65	CORRIDOR	LVT-1	RB-1	P-7, RWC-1	AT-1	2
6C66	CORRIDOR	LVT-1	RB-1	P-1, RWC-2	AT-1	2
6C67	CORRIDOR	LVT-1	RB-1	P-1,RWC-2	AT-1	2
160	CC	LVT-1	RB-1	P-1, RWC-2	GYP	2
600	HAC	ETR	ETR	P-1	ETR	4
601	GYM	RF-1	RB-1	P-1,P-6,RWC-2, DWC-3	AT-1	3
602	CHART	RF-1	RB-1	P-1,DWC-3	AT-1	2
603	O.T. STORAGE	RF-1	RB-1	P-1, RWC-2	AT-1	3
605	PATIENT 1	LVT-1	RB-1	P-1,P-5	AT-1	
605A	CLOSET	LVT-1	RB-1	P-1	AT-1	
605B	CLOSET	LVT-1	RB-1	P-1	AT-1	
605C	CLOSET	LVT-1	RB-1	P-1	AT-1	
605D	CLOSET	LVT-1	RB-1	P-1	AT-1	
605E	CLOSET	LVT-1	RB-1	P-1	AT-1	
605F	CLOSET	LVT-1	RB-1	P-1	AT-1	
605G	CLOSET	LVT-1	RB-1	P-1	AT-1	
606	TLT 1	PT-1	PT-4	P-1,PT-2,PT-4, PT-5, PT-10, GR-1	AT-1	
607	TLT 2	PT-1	PT-4	P-1,PT-2,PT-4, PT-5, PT-10, GR-1	AT-1	
608	PATIENT 2	LVT-1	RB-1	P-1,P-5	AT-1	
608A	CLOSET	LVT-1	RB-1	P-1	AT-1	
609	PATIENT 3	LVT-1	RB-1	P-1,P-5	AT-1	
609A	CLOSET	LVT-1	RB-1	P-1	AT-1	
610	TLT 3	PT-1	PT-4	P-1,PT-2,PT-4, PT-5, PT-10, GR-1	AT-1	
611	DINING	LVT-1	RB-1	P-7, RWC-1,DWC-1	MCT-1, GYP	3
612	PATIENT 4	LVT-1	RB-1	P-1,P-2	AT-1	
612A	CLOSET	LVT-1	RB-1	P-1	AT-1	
613	TLT 4	PT-1	PT-4	P-1,PT-2,PT-4, PT-5, PT-10, GR-1	AT-1	
614	PATIENT 9	LVT-1	RB-1	P-1,P-2	AT-1	
614A	CLOSET	LVT-1	RB-1	P-1	AT-1	
615	TLT 9	PT-1	PT-4	P-1,PT-2,PT-4, PT-5, PT-10, GR-1	AT-1	
616	PATIENT 10	LVT-1	RB-1	P-1,P-2	AT-1	
616A	CLOSET	LVT-1	RB-1	P-1	AT-1	
617	TLT 10	PT-1	PT-4	P-1,PT-2,PT-4, PT-5, PT-10, GR-1	AT-1	
618	TLT 11	PT-1	PT-4	P-1,PT-2,PT-4, PT-5, PT-10, GR-1	AT-1	
619	PATIENT 11	LVT-1	RB-1	P-1,P-2	AT-1	
619A	CLOSET	LVT-1	RB-1	P-1	AT-1	
620	PATIENT 12	LVT-1	RB-1	P-1,P-2	AT-1	
620A	CLOSET	LVT-1	RB-1	P-1	AT-1	
621	TLT 12	PT-1	PT-4	P-1,PT-2,PT-4, PT-5, PT-10, GR-1	AT-1	
622	TLT 16	PT-1	PT-4	P-1,PT-2,PT-4, PT-5, PT-10, GR-1	AT-1	
623	PATIENT 16	LVT-1	RB-1	P-1, P-3	AT-1	
624	PATIENT 15	LVT-1	RB-1	P-1, P-3	AT-1	
625	TLT 15	PT-1	PT-4	P-1,PT-2,PT-4, PT-5, PT-10, GR-1	AT-1	
626	TLT 14	PT-1	PT-4	P-1,PT-2,PT-4, PT-5, PT-10, GR-1	AT-1	
627	PATIENT 14	LVT-1	RB-1	P-1, P-3	AT-1	
628	PATIENT 13	LVT-1	RB-1	P-1, P-3	AT-1	
629	TLT 13	PT-1	PT-4	P-1,PT-2,PT-4, PT-5, PT-10, GR-1	AT-1	
630	CHAT ROOM	LVT-1	RB-1	P-7,WF-1	AT-1	6
631	REC ROOM	LVT-1	RB-1	P-7, RWC-1, WF-1	AT-1	6,3
632	LIVING	LVT-1	RB-1	P-7, RWC-1	MCT-1, GYP	3
633	TLT 8	PT-1	PT-4	P-1,PT-2,PT-4, PT-5, PT-10, GR-1	AT-1	
634	PATIENT 8	LVT-1	RB-1	P-1, P-4	AT-1	
634A	CLOSET	LVT-1	RB-1	P-1	AT-1	
635	PATIENT 7	LVT-1	RB-1	P-1, P-4	AT-1	
635A	CLOSET	LVT-1	RB-1	P-1	AT-1	
636	TLT 7	PT-1	PT-4	P-1,PT-2,PT-4, PT-5, PT-10, GR-1	AT-1	
637	TLT 6	PT-1	PT-4	P-1,PT-2,PT-4, PT-5, PT-10, GR-1	AT-1	
638	PATIENT 6	LVT-1	RB-1	P-1, P-4	AT-1	
639	PATIENT 5	LVT-1	RB-1	P-1, P-4	AT-1	
640	TLT 5	PT-1	PT-4	P-1,PT-2,PT-4, PT-5, PT-10, GR-1	AT-1	
641	OFFICE	LVT-1	RB-1	P-1	AT-1	
642	CONFERENCE	LVT-1	RB-1	P-1, P-3	AT-1	
643	BREAK	LVT-2	RB-1	P-1, RWC-2	AT-1	2
644	LOCKERS	LVT-2	RB-1	P-1	AT-1	
645	TLT.	PT-6	P-11	P-7,PT-7,PT-8,GR-2	GYP	
646	TLT.	PT-6	P-11	P-7,PT-7,PT-8,GR-2	GYP	
647	LAUNDRY	WSF-1	WSF-1	P-1, RWC-2	AT-1	1,3
660	ELEC.	ETR	ETR	ETR	ETR	
661	ELEC.	ETR	ETR	ETR	ETR	
662	TLT.	ETR	ETR	P-1	ETR	4
663	TLT.	ETR	ETR	P-1	ETR	4
664	ELEC	ETR	ETR	ETR	ETR	
665A	SOILED	WSF-1	WSF-1	P-1	ETR	1
665B	HAC	QT-1	QT-2	P-1	ETR	
670	HUDDLE	LVT-1	RB-1	P-1	AT-1	
671	OFFICE	LVT-1	RB-1	P-1	AT-1	
672	COPY	LVT-1	RB-1	P-1	AT-1	
675	SOILED PANTRY	WSF-1	WSF-1	P-7, RWC-1	AT-2	1,3
678	KITCHEN	LVT-1	RB-1	P-7, RWC-1, DWC-4	MCT-1, GYP	5,3, 7
679	ELEC	ETR	ETR	ETR	ETR	
680	ELEC	ETR	ETR	ETR	ETR	
681	ELEV. LOBBY	LVT-1, LVT-2	RB-1	P-7	GYP	
682	DATA	SDT	RB-1	P-1	NO CEILING	
683	TLT	ETR	ETR	P-1	ETR	4
684	HALLWAY	LVT-1	RB-1	P-1, RWC-2	AT-1, RWC-2	2
685	SOILED	WSF-1	WSF-1	P-7, RWC-1	AT-1	1,3
686	CLEAN	WSF-1	WSF-1	P-7, RWC-1	AT-2	1,3
687	GAS	LVT-1	RB-1	P-7	AT-2	
688	MED.	LVT-1	RB-1	P-7, RWC-1	AT-2	3
689	EQUIP.	SDT	RB-1	P-7, RWC-1	AT-1	3
690	STORAGE	LVT-1	RB-1	P-7, RWC-1	AT-1	3
691	CLEAN PANTRY	WSF-1	WSF-1	P-7, RWC-1	AT-2	3
692	BATH	PT-6	PT-11	P-7,PT-7,PT-8, GR-2	GYP	
693	CLEAN LINEN	WSF-1	WSF-1	P-7, RWC-1	AT-2	1, 3

ROOM FINISH SCHEDULE COMMENTS

1.	PROVIDE 4" INTEGRAL COVE BASE WITH TRIM.
2.	INSTALL RWC WITH TRIM 36" A.F.F.
3.	INSTALL RWC WITH TRIM 42" A.F.F.
4.	ROOM SHALL BE CLEANED AND PAINTED FRESH AFTER CONSTRUCTION ENDS.
5.	HIGH IMPACT VINYL WALL COVERING ONLY TO COVER WINDOW BUMP OUTS.
6.	ACTUAL WINDOW FILM HEIGHT IS 61" WITH 1" EXTENSION BEYOND PRINT MARGIN.
7.	ACCENT PAINT TO GO ON HALF HEIGHT WALLS UNDER THE KITCHEN ISLAND

Revisions:	Date:

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CHARLOTTE ENGINEERS

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STATE OF GEORGIA
LUKE J. LEISING
REGISTERED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FINISH SCHEDULE

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC

Location: 1670 CLAIRMONT RD, DECATUR, GA

Issue Date: 09/21/2023
Checked: ARO
Drawn: B AMJAD

Project Number: 508-22-105
Building Number: C
Drawing Number: AI206

VA FORM 08 - 6231

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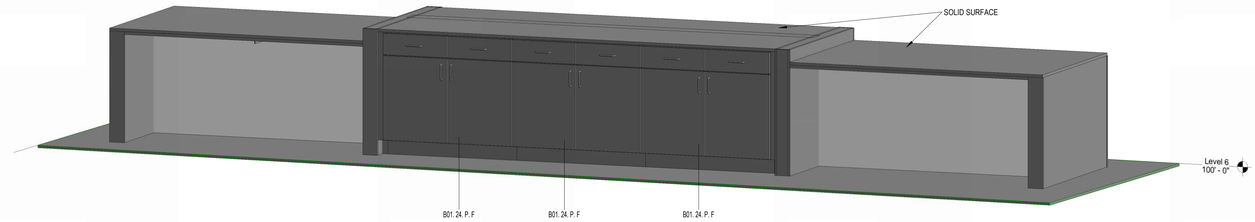
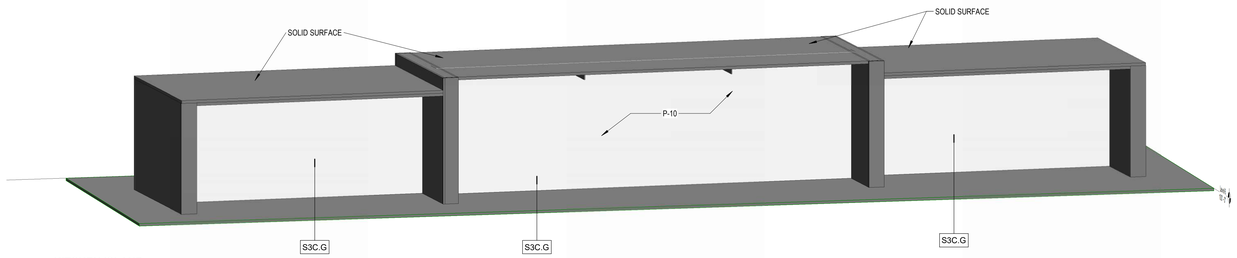
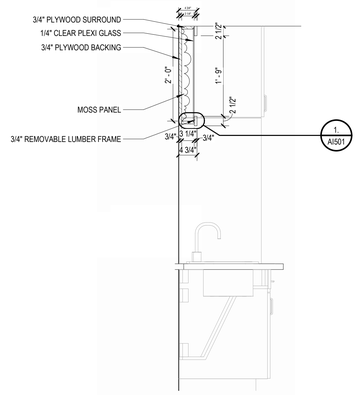


7 / AI501 **KITCHEN ISLAND**
SCALE:

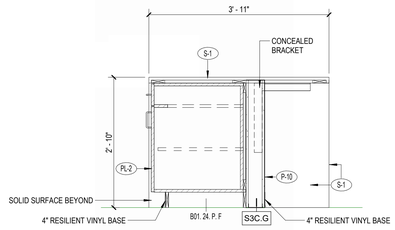


6 / AI501 **KITCHEN ISLAND**
SCALE:

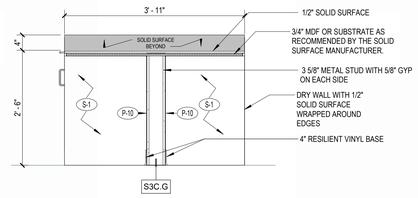


3 / AI501 **PRESERVED MOSS FRAME**
SCALE: 3/4" = 1'-0"

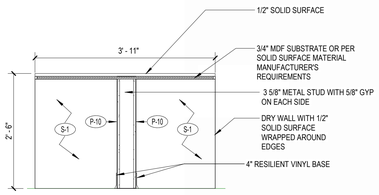
PRESERVED MOSS IN PLEXIGLASS BOX INSTALLATION VIEW 1



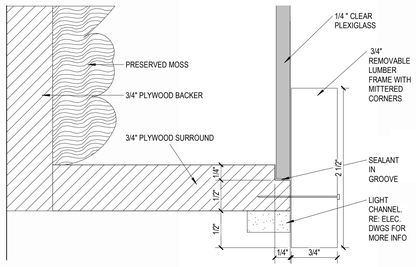
5 / AI501 **SECTION - KITCHEN ISLAND**
SCALE: 3/4" = 1'-0"



4 / AI501 **SECTION - KITCHEN ISLAND**
SCALE: 3/4" = 1'-0"



2 / AI501 **SECTION - KITCHEN ISLAND**
SCALE: 3/4" = 1'-0"



1 / AI501 **FRAMING DETAIL**
SCALE: 12" = 1'-0"

PRESERVED MOSS IN PLEXIGLASS BOX INSTALLATION VIEW 2

Revisions:	Date:

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STAMP
STATE OF GEORGIA ★ LUKE J. LEISING ★ REGISTERED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CASEWORK DETAILS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: AI501
		Issue Date: 09/21/2023 · Checked: ARO · Drawn: B. AMJAD	

VA FORM 08 - 6231

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CASEWORK ABBREVIATIONS & TAG LEGEND

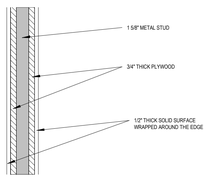
CASEWORK TAG — X##.##.X.X

CONFIGURATION:
B - BASE CABINET
01 - DRAWER / DOOR
02 - DOOR
03 - BOX, BOX, FILE
04 - 2 DRAWER
05 - 3 DRAWER
06 - 4 DRAWER
07 - OPEN SHELF
08 - OPEN FOR EQUIPMENT
09 - TRASH
10 - MICROWAVE W/ DRAWER BELOW
W - WALL CABINET
01 - DOOR
02 - DOOR W/ SLOPED TOP
03 - DOOR W/ VALANCE
04 - DOOR W/ VALANCE & SLOPED TOP
05 - OPEN SHELF
06 - OPEN SHELF W/ SLOPED TOP
07 - OPEN SHELF W/ VALANCE
08 - OPEN SHELF W/ VALANCE & SLOPED TOP
09 - MICROWAVE - SINGLE
10 - MICROWAVE - DOUBLE
S - BASE SINK CABINET
01 - SINK (NON-ACCESSIBLE)
02 - SINK (NON-ACCESSIBLE W/ FIXED PANEL)
03 - SINK (FIXED PANEL)
04 - SINK (ACCESSIBLE)
05 - SINK APRON (ACCESSIBLE)
T - TALL CABINET
01 - DOOR
02 - DOOR W/ SLOPED TOP
03 - OPEN SHELF
04 - OPEN SHELF W/ SLOPED TOP
05 - DOOR / DOOR
06 - DOOR / DOOR W/ SLOPED TOP
07 - DOOR / SHELF
08 - DOOR / SHELF W/ SLOPED TOP
09 - REFRIGERATOR

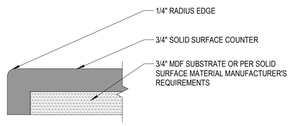
DEPTH:
12
15
18
20
23
24
30

MATERIAL:
METAL - M
PLASTIC LAMINATE - P

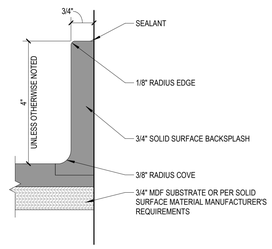
DRAWER / DOOR STYLE:
FLUSH FACE - F
GLASS INSERT - G
NO DOOR / OPEN CABINET - N
SOLID FRONT - S



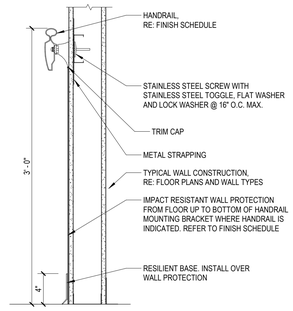
14 / AI502 **WATERFALL EDGE DETAIL**
SCALE: 1 1/2" = 1'-0"



13 / AI502 **TYPICAL SOLID SURFACE EDGE DETAIL**
SCALE: 8" = 1'-0"



12 / AI502 **TYPICAL SOLID SURFACE BACKSPLASH DETAIL**
SCALE: 8" = 1'-0"



11 / AI502 **DETAIL - HANDRAIL/WALL PROTECTION**
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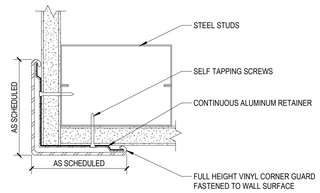
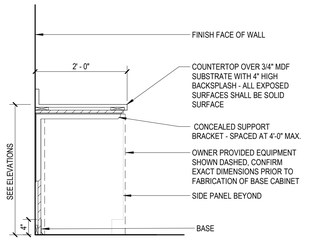
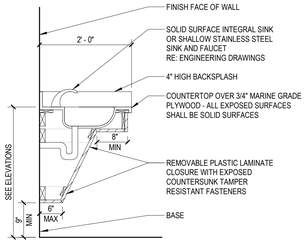


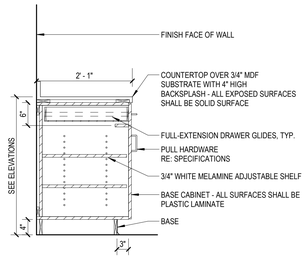
10 / AI502 **DETAIL - VINYL CORNER GUARD**
SCALE: 8" = 1'-0"



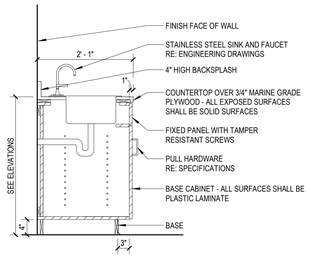
9 / AI502 **B08.23.P.N**
SCALE: 3/4" = 1'-0"



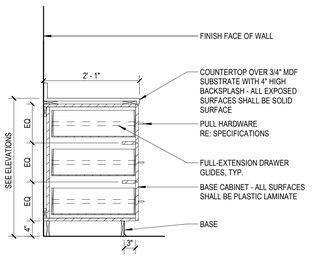
8 / AI502 **S04.23.P.S**
SCALE: 3/4" = 1'-0"



7 / AI502 **B01.24.P.F**
SCALE: 3/4" = 1'-0"



6 / AI502 **S02.24.P.F**
SCALE: 3/4" = 1'-0"



5 / AI502 **B05.24.P.F**
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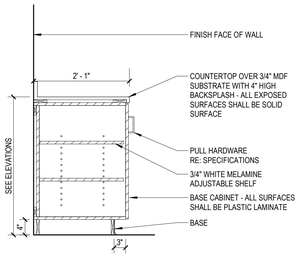

4 / AI502 **B02.24.P.F**
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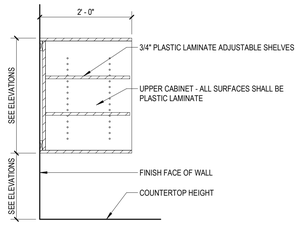

3 / AI502 **W05.24.P.N**
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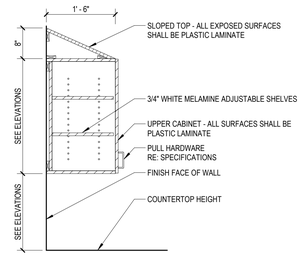
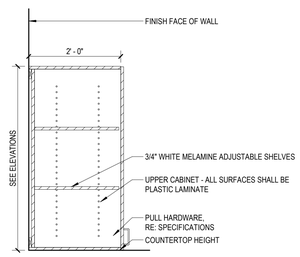


2 / AI502 **W02.18.P.F**
SCALE: 3/4" = 1'-0"



1 / AI502 **W01.24.P.F**
SCALE: 3/4" = 1'-0"

Revisions:	Date:

CONSULTANT
Consultant:
GUIDON DESIGN
1221 NORTH PENNSYLVANIA STREET
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CHARLOTTE ENGINEERS

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STATE OF GEORGIA ★ LUKE J. LEISING ★ REGISTERED ARCHITECT

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: CASEWORK DETAILS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: AI502
		Issue Date: 09/21/2023 · Checked: ARO · Drawn: B. AMJAD	

VA FORM 08 - 6231

BIM 360://22-1022 - VA Atlanta - 6th Floor CLC/22-1022_A_v21.rvt
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SIGNAGE SCHEDULE

ROOM #	ROOM NAME	SIGN TYPE	REMARKS
6C1	STAIRS	E.xc	
6C2	STAIRS	E.xc	
6C60	CORRIDOR (CEILING MOUNT)	C.4a	
6C60	CORRIDOR	A.c	
6C61	CORRIDOR	SF.3	
6C61	CORRIDOR	M.4b	
6C63	CORRIDOR	A.c	
6C64	CORRIDOR (NORTH CORRIDOR WALL)	A.c	
6C64	CORRIDOR (SOUTH CORRIDOR WALL)	A.c	
6C64	CORRIDOR (CEILING MOUNT)	C.4a	
6C65	CORRIDOR (NORTH DINING WALL)	A.c	
6C65	CORRIDOR (SOUTH DINING WALL)	A.c	
6C66	CORRIDOR	A.c	
6C67	CORRIDOR	M.4b	
600	HAC	Type.G	
601	GYM	Type.G	
603	O.T. STORAGE	Type.H	
605	PATIENT 1	Type.H	
608	PATIENT 2	Type.H	
609	PATIENT 3	Type.H	
611	DINING (NORTH WALL)	Type A.c	
611	DINING (SOUTH WALL)	Type A.c	
612	PATIENT 4	Type.H	
614	PATIENT 9	Type.H	
616	PATIENT 10	Type.H	
619	PATIENT 11	Type.H	
620	PATIENT 12	Type.H	
623	PATIENT 16	Type.H	
624	PATIENT 15	Type.H	
627	PATIENT 14	Type.H	
628	PATIENT 13	Type.H	
630	CHAT ROOM	Type.G	
631	REC ROOM	Type.G	
634	PATIENT 8	Type.H	
635	PATIENT 7	Type.H	
638	PATIENT 6	Type.H	
639	PATIENT 5	Type.H	
641	OFFICE	Type.H	
642	CONFERENCE	J.2	

SIGNAGE SCHEDULE

ROOM #	ROOM NAME	SIGN TYPE	REMARKS
643	BREAK	Type.G	
644	LOCKERS	Type.G	
645	TLT	E.2	
646	TLT	E.2	
647	LAUNDRY	Type.G	
660	ELECTRIC	G.xc	
661	ELECTRIC	G.xc	
664	ELECTRIC	G.xc	
665A	SOILED UTILITY	Type.G	
665B	HAC	Type.G	
670	HUDDLE ROOM	Type.G	
671	OFFICE	Type.H	
672	COPY ROOM	Type.G	
675	SOILED PANTRY	Type.G	
679	ELECTRIC	Type.G	
680	ELECTRIC	Type.G	
681	ELEVATOR LOBBY	A.c	
682	DATA	Type.G	
683	TOILET	E.2	
685	SOILED UTILITY	Type.G	
686	CLEAN UTILITY	Type.G	
687	GAS STORAGE	Type.G	
687	GAS STORAGE	Type.SF	
688	MEDICINE STORAGE	Type.G	
689	EQUIPMENT	Type.G	
690	STORAGE	Type.G	
691	CLEAN PANTRY	Type.G	
691	CLEAN PANTRY	SF.3	
692	BATH	Type.G	
693	CLEAN LINEN	Type.G	

SIGNAGE GENERAL NOTES

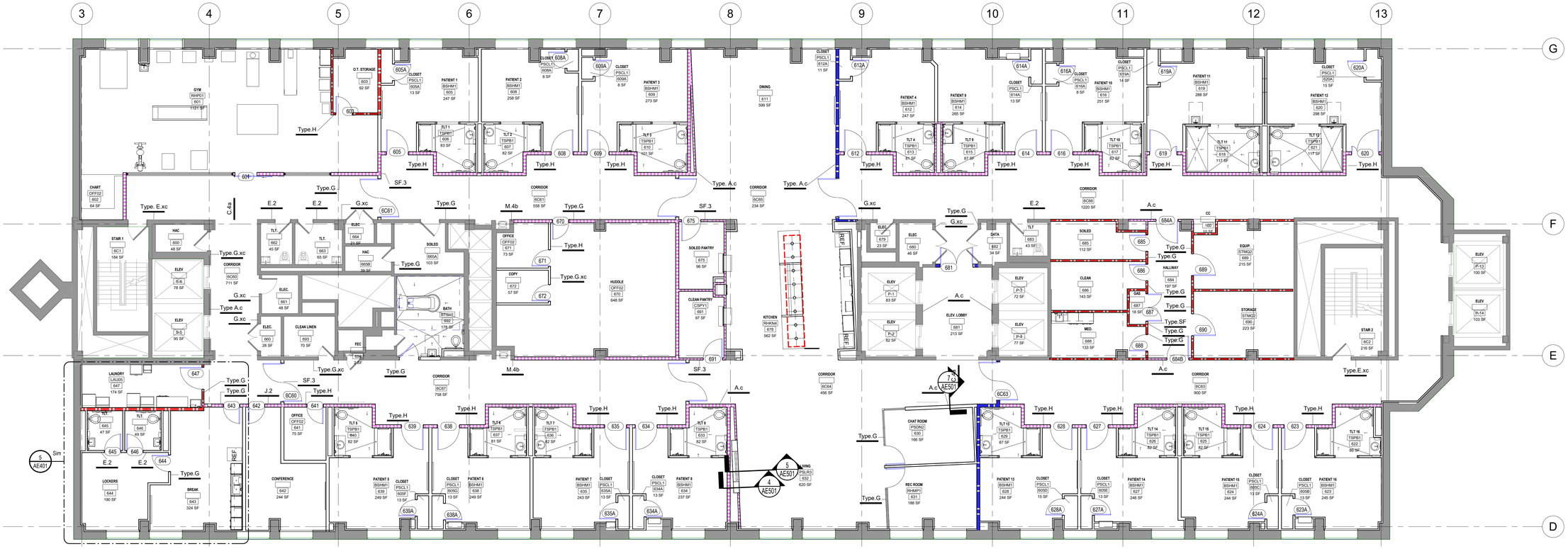
A. THE SIGNAGE VENDOR SHALL PROVIDE SHOP DRAWINGS FOR ALL NEW SIGNS TO BE REVIEWED AND APPROVED BY THE VA PRIOR TO FABRICATION.

B. ALL SIGNAGE INDICATED IS A BASIS OF DESIGN. ALL CONTENT, MODIFICATIONS, AND VERBIAGE ARE TO BE DETERMINED BY THE VA PRIOR TO FABRICATION.

C. WHEN EXISTING SIGNAGE IS REMOVED CONTRACTOR SHALL REPAIR ANY DAMAGE TO SUBSTRATE AND MATCH FINISHES PRIOR TO THE INSTALLATION OF NEW OR SALVAGED SIGNAGE.

D. SIGNAGE SHOULD BE INSTALLED TO COMPLY WITH ALL APPLICABLE CODES. ALL TACTILE ROOM NUMBER SIGNS OR OTHER TACTILE ROOM IDENTIFICATION SIGNS ARE REQUIRED TO MEET ABA/ADA REQUIREMENT FOR HEIGHT AND BRAILLE TEXT.

NOTE: ALL SIGNAGE TO BE BY SIGNAGE COMPANY TAKEFORM AND BE BASED ON VA ATLANTA'S TYPCIAL SIGNAGE STANDARDS.



1 A801 SIXTH FLOOR ARCHITECTURAL PLAN - OPTION D
SCALE: 1/8" = 1'-0"

Revisions:	Date:

CONSULTANT

Consultant:
GUIDON DESIGN
1221 NORTH PENNSYLVANIA STREET
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STATE OF GEORGIA
LUKE J. LEISING
REGISTERED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SIGNAGE PLAN & SCHEDULE

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC

Location: 1670 CLAIRMONT RD, DECATUR, GA

Issue Date: 09/21/2023 | Checked: TC | Drawn: B. AMJAD

Project Number: 508-22-105

Building Number: C

Drawing Number: AI801

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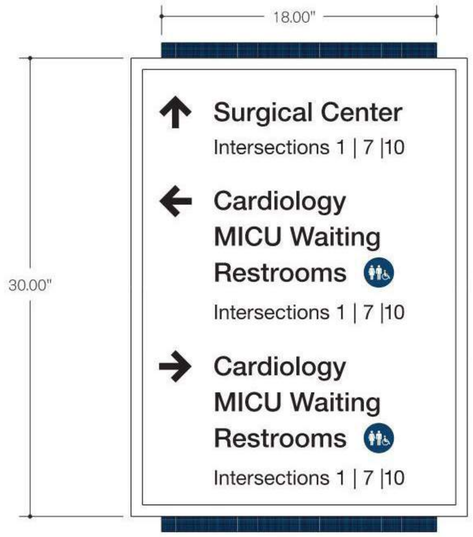
VA FORM 08 - 6231



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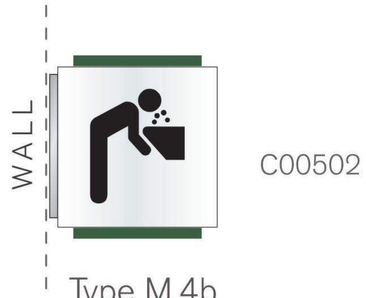

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DOUBLE-SIDED

Type H
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ACCOMMODATES INSERT

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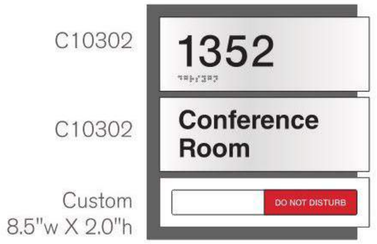

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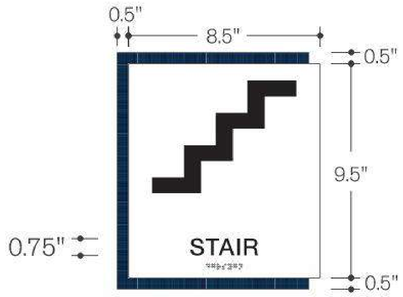

Type E.xc

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Type G.xc
***COLOR VARIANT**

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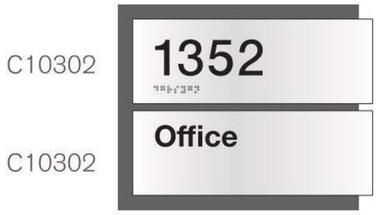

Type G
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Type C.4a Custom Suspended Overhead
64.0"w X 10.0"h
DOUBLE-SIDED

END VIEW

Revisions:	Date:

CONSULTANT

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1221 NORTH PENNSYLVANIA STREET
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STATE OF GEORGIA
LUKE J. LEISING
CERTIFICATE NO. 040001
REGISTERED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
SIGNAGE TYPE	100% CONSTRUCTION DOCUMENTS	RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC	508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: AI802
		Issue Date: 09/21/2023 · Checked: TC · Drawn: B. AMJAD	

VA FORM 08 - 6231

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EQUIPMENT GENERAL NOTES

A. PROVIDE BLOCKING IN WALLS TO ACCOMMODATE EQUIPMENT, FURNISHINGS, AND TECHNOLOGY, AND WALL MOUNTED ACCESSORIES AS REQUIRED. REFER TO ARCHITECTURE SHEETS FOR MORE INFORMATION.

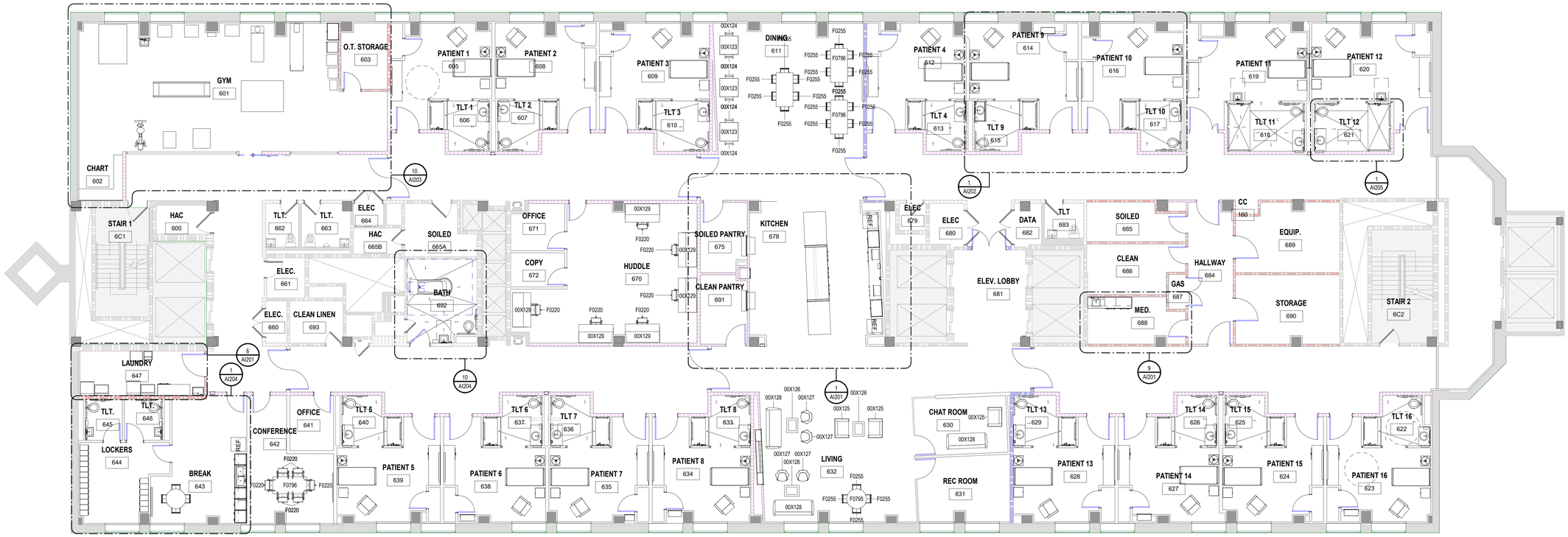
B. COORDINATE ALL EQUIPMENT LOCATIONS AND UTILITIES REQUIREMENTS WITH EQUIPMENT PLANS, SCHEDULES, AND ENGINEERING DRAWINGS.

C. REFER TO FURNITURE VENDOR DRAWINGS AND DETAILED FURNITURE SCHEDULE FOR FINAL FURNITURE PLACEMENT.

D. REFER TO THE VA ACQUISITION CODES FOR EACH PIECE OF EQUIPMENT WITHIN THE PROJECT SCOPE TO DETERMINE THE PURCHASING AND INSTALLATION RESPONSIBILITY REQUIRED.

E. FINAL FURNITURE AND EQUIPMENT SPECIFICATIONS TO BE REVIEWED AND APPROVED BY THE VA PRIOR TO PLACEMENT OF ORDER.

F. ALL EQUIPMENT AND FURNITURE INDICATED IN THE DRAWINGS ARE DRAWN TO SCALE FOR TEST FITTING UNLESS OTHERWISE NOTED.



1 QH101 SCALE: 1/8" = 1'-0"

SIXTH FLOOR EQUIPMENT PLAN

Revisions:	Date:

CONSULTANT

Consultant:
GUIDON DESIGN
1221 NORTH PENNSYLVANIA STREET
INDIANAPOLIS, IN 46202

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CHARLOTTE ENGINEERS

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
SIXTH FOOR EQUIPMENT PLAN	100% CONSTRUCTION DOCUMENTS	RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC	508-22-105
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Building Number: C
		Issue Date: 09/21/2023 · Checked: ARO · Drawn: B AMJAD	Drawing Number: QH101

VA FORM 08 - 6231

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RESPONSIBLE PARTY LEGEND

CC	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
VC	VA FURNISHED / CONTRACTOR INSTALLED
VV	VA FURNISHED / VA INSTALLED
VC(CF)	VA FURNISHED WITH CONSTRUCTION FUNDS / CONTRACTOR INSTALLED
VV(CF)	VA FURNISHED WITH CONSTRUCTION FUNDS / VA INSTALLED
R	RELOCATE / REUSED EXISTING EQUIPMENT

EQUIPMENT SCHEDULE COMMENTS

1. REFER TO FURNITURE VENDOR DRAWINGS FOR FINAL FURNITURE PLACEMENT AND DETAIL FURNITURE SCHEDULE.

EQUIPMENT & FURNITURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	FFE FURNISHED
00X101	DOUBLE OVEN	KitchenAid 24" Smart Double Wall Oven Model#KODC504PPS	CC
00X103	REFRIGERATOR	LG 20.2 Cu.ft. Top Freezer Refrigerator Model : LTCS20020S	CC
00X104	MEDICINE CABINET	Style Selections 15.75x25.72 Recess Mount Model: 33116	CC
00X105	TELEVISION LED		VV
00X106	BARIATRIC MAT PLATFORM		VV
00X107	UPPER BODY ERGOMETER WITH TABLE		VV
00X108	SPEED PULLEY		VC
00X109	MOBILE CUFF WEIGHT		VV
00X110	HIGH LOW TREATMENT TABLE		VV
00X111	PHYSICAL THERAPY TRACTION TABLE		VV
00X112	REFRISERATION UNIT FOR COLD THERAPY PACKS		VV
00X113	UNDER COUNTER FREEZER		VV
00X114	ELECTRO THERAPY UNIT		VV
00X115	MIRROR ON WHEELS		VV
00X116	STRESS EXERCISE SYSTEM FOR RESP. AND METABOLIC ASSESSMENT		VV
00X117	STANDING FRAME		VV
00X118	PHYSICAL THERAPY PARALLEL BARS		VV
00X119	MYOCYCLE		VV
00X120	STATIONARY BIKE		VV
00X121	MICROWAVE OVEN		VV
00X122	DRESSER		VV
00X123	TABLE, DINING		VV
00X124	CHAIR, DINING		VV
00X125	ARM CHAIR		VV
00X126	COFFEE TABLE		VV
00X127	ARM CHAIR		VV
00X128	SOFA		VV
00X129	DESK		VV
A1030	LOCKERS		VV
A5165	SHELVING	ULINE 60x18x14 Wall Wire Shelf Model # H-4797	CC
F0220	CHAIR, CONFERENCE		VV
F0255	CHAIR, DINING		VV
F0265	CHAIR, RECLINER		VV
F0400	CABINET, BED SIDE		VV
F0795	TABLE, DINING		VV
F0796	TABLE, DINING		VV
F2405	BED, NON MEDICAL		VV
F2420	LAMP, TABLE		VV
M2300	WASHER	LG Side by Side Washer & Dryer Set Model # LGWADREM3470	CC
M2400	DRYER	LG Side by Side Washer & Dryer Set Model # LGWADREM3470	CC
M3070	MOBILE LINEN HAMPER	Medicus Healt PVC Step on Hamper Model # 5167M	CC
P5040	SHOWER SINGLE HANDED	Kohler Model # K5S - Bancroft - 4 - HydroSH#S - CP	CC

EQUIPMENT GENERAL NOTES

A. PROVIDE BLOCKING IN WALLS TO ACCOMMODATE EQUIPMENT, FURNISHINGS, AND TECHNOLOGY, AND WALL MOUNTED ACCESSORIES AS REQUIRED. REFER TO ARCHITECTURE SHEETS FOR MORE INFORMATION.

B. COORDINATE ALL EQUIPMENT LOCATIONS AND UTILITIES REQUIREMENTS WITH EQUIPMENT PLANS, SCHEDULES, AND ENGINEERING DRAWINGS.

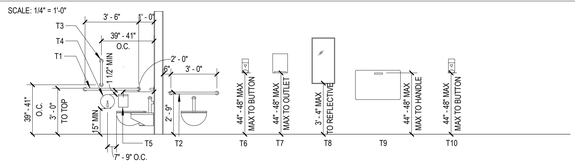
C. REFER TO FURNITURE VENDOR DRAWINGS AND DETAILED FURNITURE SCHEDULE FOR FINAL FURNITURE PLACEMENT.

D. REFER TO THE VA ACQUISITION CODES FOR EACH PIECE OF EQUIPMENT WITHIN THE PROJECT SCOPE TO DETERMINE THE PURCHASING AND INSTALLATION RESPONSIBILITY REQUIRED.

E. FINAL FURNITURE AND EQUIPMENT SPECIFICATIONS TO BE REVIEWED AND APPROVED BY THE VA PRIOR TO PLACEMENT OF ORDER.

F. ALL EQUIPMENT AND FURNITURE INDICATED IN THE DRAWINGS ARE DRAWN TO SCALE FOR TEST FITTING UNLESS OTHERWISE NOTED.

TYPICAL TOILET ACCESSORY MOUNTING HEIGHTS



TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	MODEL	RESPONSIBLE PARTY
T1	42" HORIZONTAL GRAB BAR	BOBRICK WASHROOM EQUIPMENT, INC	B-6806 x 42	
T2	36" HORIZONTAL GRAB BAR	BOBRICK WASHROOM EQUIPMENT, INC	B-6806 x 36	CC
T3	18" VERTICAL GRAB BAR	BOBRICK WASHROOM EQUIPMENT, INC	B-6806 x 18	CC
T4	TOILET TISSUE DISPENSER	BOBRICK WASHROOM EQUIPMENT, INC	B-2890	VC
T5	SANITARY PRODUCT DISPOSAL UNIT - SURFACE MOUNTED	BRADLEY CORPORATION	4A10	CC
T6	SOAP DISPENSER	STERIS	DBU1307QB + 1308Q7	VC
T7	PAPER TOWEL DISPENSER	KIMBERLY CLARK	KCC34348	VC
T8	MIRROR	BOBRICK WASHROOM EQUIPMENT, INC		CC
T11	48" HORIZONTAL GRAB BAR	BOBRICK WASHROOM EQUIPMENT, INC	B-6806 x 42	CC
T12	36" HORIZONTAL GRAB BAR	BOBRICK WASHROOM EQUIPMENT, INC	B-6806 x 36	CC
T13	WASTE RECEPTACLE, 12 GALLON, SEMI-RECESSED	BRADLEY CORPORATION	346-10	CC
T14	24"HORIZONTAL GRAB BAR - SHOWER	BOBRICK WASHROOM EQUIPMENT, INC	B-6806 x 24	CC

TOILET ACCESSORY GENERAL NOTES

A. MOUNTING HEIGHTS ARE TYPICAL AND APPLY TO FIXTURES INSTALLED IN NEW RESTROOMS. VERIFY MOUNTING HEIGHTS WITH VENDOR SPECIFIC MOUNTING HEIGHTS.

B. TYPICAL MOUNTING HEIGHTS AND INTERIOR ELEVATIONS ARE FOR USE IN COORDINATION OF FIXTURES. NOTE NOT EVERY FIXTURES MAY BE REPRESENTED IN INTERIOR ELEVATIONS. COORDINATE PROJECT REQUIREMENTS WITH THE FLOOR PLAN AND ENLARGED FLOOR PLANS.

C. COORDINATE INSTALLATION OF EQUIPMENT WITH PLUMBING FIXTURES AND PLUMBING DRAWINGS. REFER TO PLUMBING PLANS FOR INFORMATION ON PLUMBING ACCESSORIES AND FIXTURES.

D. PROVIDE EACH SINK WITHIN SCOPE WITH A PAPER TOWEL DISPENSER AND SOAP DISPENSER.

E. PROVIDE UNDER LAVATORY GUARD AT WALL MOUNTED HAND LAVATORIES IN SCOPE.

F. PROVIDE INWALL BLOCKING FOR WALL MOUNTED TOILET ACCESSORIES AND TOILET PARTITIONS.

Revisions:	Date:

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STATE OF GEORGIA ★ LUKE J. LEISING ★ CERTIFICATE NO. 036201 REGISTERED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: EQUIPMENT AND FURNITURE SCHEDULES

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: RENOVATE 6TH FLOOR FOR 16 BED SHORT STAY CLC

Location: 1670 CLAIRMONT RD, DECATUR, GA

Issue Date: 09/21/2023

Checked: ARO

Drawn: B AMJAD

Project Number: 508-22-105

Building Number: C

Drawing Number: QH102

BIM 360://22-1022 - VA Atlanta - 6th Floor CLC/22-1022-_A_v21.rvt

12/11/2024 11:32:11 AM

VA FORM 08 - 6231

FIRE ALARM SYMBOLS

DD	FIRE ALARM DUCT MOUNTED SMOKE DETECTOR.
TS	TAMPER SWITCH
	FIRE EXTINGUISHER, DRY CHEMICAL FOR ALL TYPES OF FIRES (EXCEPT METALS) ABC TYPE
WF	WATERFLOW SWITCH.
FACP	FIRE ALARM CONTROL PANEL.
F	ALARM, FIRE, MANUAL PULL STATION.
?	SMOKE DETECTOR P = PHOTOELECTRIC SMOKE
	CEILING MOUNTED STROBE, ALARM LAMP LIGHT
R	CEILING MOUNTED REMOTE INDICATOR
M CD	COMBINATION SPEAKER / VISIBLE - CEILING MOUNT. CD = CANDELA RATING/ SETTING
CR	CARD READER. PROVIDE BOX AND CONDUIT AS REQUIRED. COORDINATE WITH HARDWARE VENDOR

FIRE ALARM ABBREVIATIONS

ADA	AMERICANS WITH DISABILITIES ACT		
AHJ	AUTHORITY HAVING JURISDICTION	VDC	VOLTS DIRECT CURRENT
AIM	ADDRESSABLE INPUT MODULE		
AOM	ADDRESSABLE OUTPUT MODULE	WF	WATERFLOW SWITCH
A	AMPERE	W	WATT
AUTO	AUTOMATIC	WM	WALL MOUNTED
A/CON	ABOVE CONCRETE	WP	WEATHERPROOF
AFF	ABOVE FINISHED FLOOR	WG	WIREGUARD
AFG	ABOVE FINISHED GRADE		
AWG	AMERICAN WIRE GAUGE		
BATT	BATTERY		
BSMT	BASEMENT		
BR	BREAKER		
BOB	BOTTOM OF BEAM		
BMS	BUILDING MANAGEMENT SYSTEM		
CD	CANDELA		
CM	CEILING MOUNTED		
C	CONDUIT		
DN	DOWN		
DACT	DIGITAL ALARM COMMUNICATOR TRANSMITTER		
EA			
ELEC	EACH		
EL	ELECTRIC/ELECTRICAL ELEVATION		
EOL	END ON LINE RESISTOR		
EXIST	EXISTING		
XP	EXPLOSION PROOF		
EX	EXTERIOR		
FM	FACTORY MUTUAL GLOBAL		
FACP	FIRE ALARM CONTROL PANEL		
FAA	FIRE ALARM ANNUNCIATOR PANEL		
FL	FLOOR		
GALV	GALVANIZED		
GPM	GALLONS PER MINUTE		
GA	GENERAL ALARM (BUILDING WIDE)		
GC	GENERAL CONTRACTOR		
GR	GRADE		
GFI	GROUND FAULT CIRCUIT INTERRUPTER		
HP	HORSEPOWER		
HVAC	HEATING VENTING AND AIR CONDITIONING		
I/O	INPUT / OUTPUT		
INT	INTERIOR		
ISO	ISOLATOR MODULE		
JB	JUNCTION BOX		
LTG	LIGHTING		
LCD	LIQUID CRYSTAL DISPLAY		
LOC	LOCAL OPERATING CONSOLE		
MCB	MAIN CIRCUIT BREAKER		
MFAP	MAIN FIRE ALARM PANEL		
MNS	MASS NOTIFICATION SYSTEM		
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION		
NEC	NATIONAL ELECTRIC CODE		
NC	NORMALLY CLOSED		
NO	NORMALLY OPEN		
NIC	NOT IN CONTRACT		
NAC	NOTIFICATION APPLIANCE CIRCUIT		
NA	NOT APPLICABLE		
NTS	NOT TO SCALE		
PNL	PANEL		
PH	PHASE		
PW	PROTECTOWIRE		
PS	PRESSURE SWITCH		
SLC	SIGNALING LINE CIRCUIT		
SOL	SOLENOID		
SPEC	SPECIFICATION		
STL	STEEL		
TS	TAMPER SWITCH		
TOC	TOP OF CONCRETE		
TOS	TOP OF STEEL		
TS	TAMPER SWITCH		
UL	TYPICAL		
UNO	UNDERWRITERS LABORATORY		
VA	UNLESS NOTED OTHERWISE UNITED STATES DEPARTMENT OF VETERANS AFFAIRS		
VAL	VALVE		
V	VOLT		

FIRE ALARM GENERAL NOTES

1. THE CONTRACTOR WILL BE HELD RESPONSIBLE TO HAVE EXAMINED THE EXISTING SITE CONDITIONS FOR THE WORK INCLUDED UNDER THIS CONTRACT. NO ALLOWANCE WILL BE MADE SUBSEQUENTLY IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON THEIR PART.
2. NO FIRE ALARM DOCUMENTS/PLANS SHALL BE USED FOR DEMOLITION AND INSTALLATION OF THIS SYSTEM UNLESS THEY CONTAIN A REVIEW AND APPROVAL STAMP FROM THE VA FIRE SAFETY AND A COMPLETED REVIEW BY THE ARCHITECT/ENGINEER. THE VA FIRE SAFETY OR ARCHITECT/ENGINEER HAS THE AUTHORITY TO STOP ANY WORK UNTIL SUCH PLANS ARE ON SITE AND IN USE.
3. ALL FIRE ALARM DEVICE LOCATIONS SHALL BE COORDINATED WITH LIGHT FIXTURES, HVAC DIFFUSERS, SPRINKLERS, SIGNS, AND OTHER MEP TRADES PRIOR TO CONSTRUCTION.
4. SMOKE DETECTORS SHALL NOT BE INSTALLED WITHIN THREE FEET OF DIRECT AIRFLOW OR AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING.
5. FIRE ALARM CONTRACTOR SHALL SEAL ALL FIRE RATED WALL PARTITIONS WITH UL LISTED MATERIAL AND METHODS.
6. THE FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE DESIGN OF THE LAYOUTS, DEVICES COUNTS, CONDUCTOR TYPES, WIRING DIAGRAMS, I/O MATRIX, RISER DIAGRAMS, AND BATTERY CALCULATIONS SHALL BE SEALED BY AN PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA OR A NICET LEVEL III OR LEVEL IV FIRE ALARM DESIGNER.
7. FLOOR/WALL PENETRATIONS THROUGH RATED SEPARATIONS SHALL BE SEALED WITH AN APPROVED FIRE RATED MATERIAL.
8. WALL PENETRATIONS THROUGH NON-RATED PARTITIONS SHALL BE PROVIDED WITH A NON-SHRINKING GROUT OR CAULKING MATERIAL AND APPROVED ASSEMBLY.
9. THE FIRE ALARM PLANS ARE FOR COORDINATION AND BIDDING PURPOSES ONLY. THE FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE DESIGN.
10. THE FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS AND CEILING REQUIRED FOR THE INSTALLATION OF THE NEW FIRE SUPPRESSION SYSTEM.
11. FIRE ALARM SHOP DRAWINGS SHALL INCLUDE REFLECTIVE CEILING PLANS THAT INDICATE THE FOLLOWING:
    A. CEILING TYPES AND GRID.
    B. ALL CEILING MOUNTED DEVICES (LIGHTS, DIFFUSERS, SPRINKLERS, SMOKE DETECTORS, AUDIO/VISUAL DEVICES AND ALL SPECIAL ELECTRICAL SYSTEMS).
12. THE FIRE ALARM CONTRACTOR SHALL LOCATE CEILING MOUNTED DEVICES AS FOLLOWS. ALL SMOKE DETECTORS AND SPEAKER/STROBE NOTIFICATION APPLIANCE SHALL BE LOCATED IN THE CENTER OF TILES (2' x 2') OR IN THE CENTER OF ONE QUADRANT (2' x 4'). IN GYP. BOARD CEILINGS FIRE ALARM DEVICES SHALL BE LOCATED IN SYMMETRICAL PATTERNS RELATIVE TO OTHER DEVICES LOCATED IN THE CEILING.
13. THE CIRCUIT WIRING SHALL BE SIZED AS FOLLOWS:
    A. NOTIFICATION APPLIANCE CIRCUITS SHALL BE MINIMUM OF #14 AWG.
    B. SIGNAL LINE CIRCUITS SHALL BE MINIMUM OF #18 AWG AND MAXIMUM OF #14 AWG.
14. ALL SMOKE DUCT DETECTORS CONCEALED ABOVE CEILINGS SHALL BE PROVIDED WITH A REMOTE LED INDICATING TEST STATION AT THE NEAREST CORRIDOR CEILING OR 7 FT AFF ON THE ADJOINING WALL.
15. THE FIRE ALARM SYSTEM SHALL BE AN ADDRESSABLE SYSTEM INCLUDING INDIVIDUALLY ADDRESSED DEVICES.
16. ALL FIRE ALARM SPEAKERS SHALL BE TAPPED AT 1/2 WATT UNLESS NOTED OTHERWISE.
17. ALL FIRE ALARM DEVICES ARE TO BE WHITE WITH CONTRASTING LETTERING.
18. THE FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS PRIOR TO CONSTRUCTION. THE EXISTING FIRE ALARM EQUIPMENT AT THE VA MEDICAL CENTER SCOPE OF WORK AREA NEEDS TO BE FIELD VERIFIED TO DETERMINE INTERFACE POINTS AND IF EXISTING HOSPITAL MAIN FIRE ALARM CONTROL PANEL REQUIRES TO BE EXPANDED DUE TO THIS RENOVATION OF THE EXISTING SPACE. THIS CONTRACTOR SHALL INCLUDE EXPANSION AND UPGRADE OF BATTERIES, IF EXISTING CONDITIONS WILL NOT MEET NFPA 72 WITH THE NEW ADDITION INTO THIS SCOPE OF WORK.
19. FURNISH AND INSTALL END-OF-LINE RESISTORS AND CLEARLY MARK THE LOCATION OF THIS DEVICE.
20. CONNECT DUCT SMOKE DETECTORS IN THE HVAC SYSTEM (FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE MECHANICAL CONTRACTOR) TO ACTIVATE THE FIRE ALARM SYSTEM AND SHUTDOWN THE HVAC SYSTEM IN THE EVENT OF SMOKE DETECTED IN THE HVAC DUCTS.
21. ALL FIRE ALARM SYSTEM COMPONENTS SHALL BE UL LISTED.
22. FURNISH AND INSTALL DUCT SMOKE DETECTOR TEST STATION IN CEILING TO SHOW LOCATION OF DETECTOR WHEN IN ALARM OR TROUBLE.
23. FIRE ALARM SYSTEM SHALL INTERFACE WITH THE FIRE SUPPRESSION SYSTEM WHERE ZONING SHALL BE ON A PER FLOOR BASIS (E.G., MINIMUM OF ONE ZONE PER FLOOR).
24. IN THE EVENT OF A CODE CONFLICT, THE MOST RESTRICTIVE CODE OR STANDARD SHALL BE OBSERVED AND COMPLIED FOR THIS PROJECT.
25. FOLLOWING THE FIRE ALARM SYSTEM INSTALLATION, A 100% FIRE ALARM SYSTEM ACCEPTANCE TEST SHALL BE CONDUCTED BY THE FIRE ALARM CONTRACTOR FOR THE SCOPE OF WORK SHOWN ON THESE DOCUMENTS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT, ENGINEER, COR AND ALL AUTHORITIES HAVING JURISDICTION WITHIN FOUR(4) WORKING DAYS OF THE TEST FOR SCHEDULING.
26. ALL FIRE ALARM DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 70, NFPA 72, NFPA 101, VA FIRE PROTECTION DESIGN MANUAL AND PROJECT SPECIFICATION REQUIREMENTS.
27. ALL FIRE ALARM NOTIFICATION APPLIANCE SIGNALS SHALL SOUND A TEMPORAL THREE PATTERN UNLESS OTHERWISE SPECIFIED BY THE VA FIRE SAFETY.
28. ALL VISUAL APPLIANCE CANDELA RATING SHALL CONFORM TO VA FIRE PROTECTION DESIGN MANUAL, NFPA 72, NFPA 101, ANSI A117.1 AND VA FIRE SAFETY.
29. ALL NOTIFICATION DEVICES SHALL BE SYNCHRONIZED AND INSTALLED IN ALL PUBLIC AND COMMON AREAS AS DEFINED BY NFPA 72, NFPA 101 AND VA FIRE PROTECTION DESIGN MANUAL.
30. ALL INSTALLED FIRE ALARM DEVICES SHALL BE UL LISTED AND APPROVED FOR INSTALLATION WITH
31. THE NEW FIRE ALARM CONTROL PANEL.
32. ALL FIRE ALARM DEVICES AND NOTIFICATION APPLIANCES SHALL BE ACCESSIBLE FOR PERIODIC INSPECTIONS, MAINTENANCE AND TESTING PURPOSES.
33. ALL FIRE ALARM DEVICES AND NOTIFICATION APPLIANCES SUBJECT TO MECHANICAL DAMAGE SHALL BE PROTECTED BY A MANUFACTURER'S APPROVED PROTECTIVE COVER/GUARD.
34. THE FIRE ALARM CONTRACTOR SHALL NOT INSTALL DETECTORS UNTIL AFTER THE CONSTRUCTION CLEAN UP OF ALL TRADES IS COMPLETE AND FINAL.
35. THE FIRE ALARM CONTRACTOR SHALL PREPARE AS-BUILT DRAWINGS DURING THE INSTALLATION OF THE FIRE ALARM SYSTEM.
36. A FIRE ALARM SYSTEM RECORD OF COMPLETION SHALL BE PRESENTED TO THE ARCHITECT, ENGINEER, AND VA FIRE SAFETY AT THE CONCLUSION OF THIS FIRE ALARM SYSTEM INSTALLATION.
37. THE FINAL LOCATION OF FIRE ALARM PANELS AND FIRE ALARM ANNUNICATOR PANELS SHALL BE COORDINATED WITH THE VA FIRE SAFETY.
38. FLOOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER.
39. THE CONTRACTOR SHALL PROVIDE THE VA REPRESENTATIVE WITH OPERATING, TESTING, MAINTENANCE INSTRUCTION, SITE SPECIFIC SOFTWARE CHANGES/ADDITIONS, AND AS-BUILT DRAWINGS AT THE CONCLUSION OF THIS FIRE ALARM INSTALLATION.
40. THE CONTRACTOR SHALL PROVIDE THE VA REPRESENTATIVE WITH A ZONE MAP IN ACCORDANCE WITH THE VA FIRE PROTECTION DESIGN MANUAL STANDARDS NFPA STANDARDS AT THE CONCLUSION OF THIS FIRE ALARM INSTALLATION.
41. THE CONTRACTOR SHALL PROVIDE THE VA REPRESENTATIVE WITH MAINTENANCE AND TESTING SCHEDULE FOR ALL EQUIPMENT FURNISH/INSTALLED UNDER THIS SCOPE OF WORK IN ACCORDANCE WITH NFPA 72 GUIDELINES.
42. ALL FIRE ALARM CABLE SHALL BE INSTALLED WITHIN A CONDUIT AND PER NFPA 70 REQUIREMENT.
43. ALL FIRE ALARM CABLE SHALL BE MONITORED FOR INTEGRITY IN ACCORDANCE WITH NFPA 70 AND NFPA 72 REQUIREMENTS.
44. THE CONTRACTOR SHALL ADHERE TO THE SEPARATION DISTANCES BETWEEN SPEAKER-STROBES SHOWN ON THESE CONTRACT DRAWINGS; SINCE, PER THE VA FIRE PROTECTION DESIGN MANUAL (FPDM) SECTION 7.3.F(2)(k) THE VA FPDM CLEARLY STATES THAT " SPEAKERS MUST BE INSTALLED AND ARRANGED SO THEY ARE CLEARLY HEARD AND UNDERSTOOD BY STAFF UNDER NORMAL WORKING CONDITIONS. SPEAKER LAYOUT IS TO INSTALL THEM EVERY TWENTY-FIVE ON CENTER AND NOT TO EXPECT THEM TO CLEARLY HEARD THROUGH MORE THAN ONE WALL."

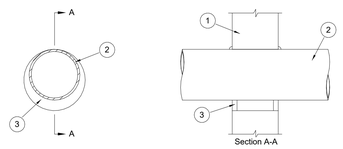
FIRE ALARM GENERAL NOTES

45. ALL FIRE ALARM CIRCUITS SHALL BE DURABLY MARKED AND LABELED WHERE THE IDENTIFICATION SHALL BE CLEARLY VISIBLE.
46. ALL FIRE ALARM CABLE SHALL BE INSTALLED IN A CONDUIT IN A NEAT, WORKMAN LIKE MANNER.
47. ALL FIRE ALARM CABLES SHALL BE INSTALLED IN A CONDUIT AND BE INDEPENDENTLY SUPPORTED FROM THE BUILDING STRUCTURE. FIRE ALARM CABLE SHALL NOT BE STRAPPED, TAPED OR ATTACHED BY ANY MEANS TO THE EXTERIOR OF ANY CONDUIT OR OTHER RACEWAY AS A MEANS OF SUPPORT.
48. ALL FIRE ALARM CABLE INSTALLED IN A CONDUIT SHALL BE SUPPORTED BY STRAPS, HANGERS OR SIMILAR FITTING DESIGNED AND INSTALLED SO AS NOT TO DAMAGE THE CABLE.
49. ALL FIRE ALARM CABLES INSTALLED IN A CONDUIT SHALL BE ACCESSIBLE; WHERE, BUILDING FEATURES DO NOT PROVIDE ACCESSIBILITY, OR THE FIRE ALARM CABLE SHALL BE INSTALLED IN AN APPROVED CONDUIT/METAL RACEWAY.
50. ALL WIRING SHALL BE SECURED TO THE STRUCTURE AS SPECIFIED IN NFPA 70.
51. ALL CONDUIT SHALL BE SECURED TO THE STRUCTURE AS SPECIFIED IN NFPA 70.
52. THE FIRE ALARM SYSTEM SHALL BE TEST FREE OF GROUNDS.
53. THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR DETERMINING CABLE FILL/CONDUIT SIZING PER NFPA 70 REQUIREMENTS (ALL FIRE ALARM CONDUIT SHALL BE A MINIMUM SIZE OF 3/4 - INCH).
54. A VOLTAGE DROP CALCULATION SHALL BE PERFORMED AND SUBMITTED BY THE FIRE ALARM CONTRACTOR FOR POWER CONSUMING CIRCUITS; IN ORDER TO VALIDATE THAT THE SYSTEM HAS BEEN DESIGNED WITHIN NFPA TOLERABLE LIMITS. NOTIFICATION APPLIANCE DEVICES CIRCUITS VOLTAGE DROP CALCULATIONS SHALL HAVE A MAXIMUM VOLTAGE DROP OF 15% AND A PREFERRED VOLTAGE DROP OF 10% MEETING NFPA 72, SECTION 10.3.5.
55. MAINTAINABILITY:
    A. EXTERNAL AND INTERNAL PARTS SHALL BE ARRANGED SO THAT, WHEN INSTALLED, ALL PARTS REQUIRING MANIPULATION, OBSERVATION, AND/OR MAINTENANCE ARE READILY ACCESSIBLE AND SAFE FOR OPERATION AND MAINTENANCE PERSONNEL. SPECIFY ANY MAINTENANCE ENVELOPES AND CLEARANCES AROUND INSTALLED EQUIPMENT. WHEREVER PRACTICAL, VALVES AND INSTRUMENTS SHALL BE LOCATED SUCH THAT THEY CAN BE OPERATED AND EASILY ACCESSED FROM GRADE LEVEL.
    B. MAINTAINABILITY SHALL BE INCORPORATED INTO THE DESIGN OF ALL CONTRACTOR SUPPLIED EQUIPMENT. THE PRIMARY MAINTAINABILITY OBJECTIVE SHALL BE TO MINIMIZE THE COMPLEXITY AND TIME REQUIRED FOR MAINTENANCE. THE FOLLOWING GENERAL CRITERIA SHALL BE OF A LOW MAINTENANCE DESIGN AND SHALL BE EASILY MAINTAINABLE.
        1. CONTRACTOR SUPPLIED EQUIPMENT SHALL BE OF LOW MAINTENANCE DESIGN AND SHALL BE EASILY MAINTAINABLE.
        2. CONTRACTOR SUPPLIED EQUIPMENT SHALL BE DESIGNED TO BE MAINTAINED IN PLACE, IF POSSIBLE, WITH MINIMUM DISASSEMBLY OF SURROUNDING EQUIPMENT AND MINIMUM USAGE OF TEMPORARY SCAFFOLDING AND HANDLING EQUIPMENT.
56. ALL FIRE ALARM WIRING SHALL BE INSTALLED IN A CONDUIT SEPARATE FROM ALL OTHER SYSTEMS.
57. WIRING INSTALLED IN METAL CONDUIT WITHIN BUILDINGS THAT ARE PROTECTED WITH 100% COMPLETE SPRINKLER COVERAGE SHALL BE CONSIDERED TO MEET THE REQUIREMENTS FOR PATHWAY SURVIVABILITY LEVEL 2 IN ACCORDANCE WITH NFPA 72 AS A 2-HOUR PERFORMANCE ALTERNATIVE THAT HAS BEEN APPROVED BY THE AUTHORITY HAVING JURISDICTION AND SHALL BE PERMITTED FOR VOICE COMMUNICATION SYSTEMS IN VA FACILITIES.
58. WIRING FOR BUILDING FIRE ALARM SYSTEMS SHALL BE SPECIFIED AS DEFINED IN NFPA 72 AND AS FOLLOWS:
    A. INITIATING DEVICE CIRCUITS (IDC): CLASS B.
    B. SIGNALING LINE CIRCUITS (SLC): CLASS B.
    C. NOTIFICATION APPLIANCE CIRCUITS (NAC): CLASS B.
    D. COMMUNICATION BETWEEN BUILDING(S) FIRE ALARM CONTROL UNITS: CLASS X
        A. WHERE SIGNALING LINE CIRCUITS ARE RUN BETWEEN FIRE ALARM CONTROL UNITS IN SEPARATE BUILDING, FIRE OPTIC CIRCUITS SHALL BE FURNISHED/INSTALLED.
        B. WHERE CLASS X COPPER WIRED CIRCUITS ARE INSTALLED, PROVIDE ISOLATION MODULES THAT WILL ENSURE THAT ONLY ONE BUILDING WILL BE LOST (E.G., WILL NOT RESPOND) DURING ANY TYPE OF FAULT. IT IS REQUIRED THAT THE INSTALLATION FOR CLASS X CIRCUITS BE RUN IN SEPARATE CONDUITS FROM EACH OTHER.
59. NOTIFICATION OF STAFF SHALL BE BY DIGITAL VOICE(SPEAKER SYSTEM). DO NOT USE CODED OR TAPED VOICE SYSTEMS SPEAKERS SHALL BE INSTALLED AS THE NOTIFICATION APPLIANCE. THE FIRE ALARM SYSTEM SHALL BE DESIGNED SUCH THAT IT IS POSSIBLE TO MANUALLY BROADCAST AN EMERGENCY VOICE MESSAGE SIMULTANEOUSLY TO ALL BUILDINGS PROVIDED WITH SPEAKERS. SELECTABLE SWITCHES SHALL BE PROVIDED AT THE FIRE ALARM VOICE CONTROL PANEL SO THAT A MANUAL VOICE MESSAGE CAN BE COMMUNICATED TO EACH CONNECTED BUILDING INDIVIDUALLY. AS A MINIMUM, THIS CONTRACTOR SHALL PROVIDE ONE SWITCH FOR THIS BUILDING.
60. COORDINATE FIRE ALARM ZONES WITH THE SPRINKLER ZONES ON A PER FLOOR BASIS..
61. NOTIFICATION APPLIANCES: PLACEMENT AND BE IN ACCORDANCE WITH NFPA 72. AND SHALL BE SELECTED BASED ON THE PURPOSE OF THE NOTIFICATION (I.E., GENERAL EVACUATION OR STAFF RESPONSE).
    A. PROVIDE AUDIBLE NOTIFICATION APPLIANCES TO BE HEARD IN ALL LOCATIONS THROUGH OUT THE BUILDING.
    B. PROVIDE VISIBLE NOTIFICATION APPLIANCES IN ALL PUBLIC ACCESSIBLE AREAS OF THE BUILDING.
62. VISIBLE NOTIFICATION APPLIANCES ARE NOT REQUIRED IN THE FOLLOWING SPACES WHICH ARE NOT CONSIDERED TO BE PUBLIC ACCESSIBLE:
    A. INDIVIDUAL OFFICE SPACES UNLESS THE SPACE IS TO HAVE A HEARING IMPAIRED PERSON STATIONED THERE.
    B. CLOSET (JANITOR'S CLOTHES, ETC.).
    C. UTILITY SHAFTS.
    D. CRAWL SPACES.
    E. NORMALLY UNOCCUPIED ROOM THAT ARE LESS THAN 100SQ. FT.
    F. NORMALLY UNOCCUPIED STORAGE ROOMS WHERE NO REGULAR ACTIVITY TAKES PLACE OTHER THAN PLACEMENT AND RETRIEVAL OF STORAGE.
    G. STAIRWAY ENCLOSURES.
    H. PATIENT/TREATMENT ROOMS.
63. PROVIDE VISIBLE NOTIFICATION APPLIANCES IN THE FOLLOWING AREAS:
    A. SPACES SUBJECT TO NOISE, SUCH AS MECHANICAL EQUIPMENT ROOMS, WHERE THE MESSAGE DELIVERED BY THE AUDIBLE APPLIANCE MAY NOT BE HEARD OR MAY BE UNINTELLIGIBLE.
    B. PUBLIC RESTROOMS
    C. PUBLIC ACCESSIBLE AREAS OF THE BUILDING SUCH AS CORRIDORS, OPEN ASSEMBLY AREAS GREATER THAN 750 SQ.. FT.
64. FLASH RATE SHALL NOT EXCEED ONE FLASH PER SECOND(1HZ) FOR VISIBLE APPLIANCES. STROBES THAT OPERATE ON ADJACENT ZONES ON EACH FLOOR SHALL BE SYNCHRONIZED WITH ONE ANOTHER AS REQUIRED BY NFPA 72.
65. ALL SMOKE DETECTORS SHALL BE PHOTO ELECTRIC TYPE ONLY FOR THIS PROJECT, NO EXCEPTIONS.
66. WHERE A DUCT SMOKE DETECTOR IS LOCATED ABOVE A CEILING OR IN A DIFFICULT TO REACH LOCATION, PROVIDE A REMOTE INDICATING LAMP AND A TEST KEY SWITCH ON NEARBY WALL AT 7 FEET AFF TO FACILITATE TESTING.
67. THE PUBLIC ADDRESS SYSTEM BEING FURNISHED/INSTALLED AS PART OF THE ELECTRICAL DESIGN DOCUMENTS SCOPE OF WORK SHALL BE INTERFACED WITH THE FIRE ALARM SYSTEM; WHERE, IN THE ADVENT OF AN ALARM CONDITION THE FIRE ALARM SYSTEM SHALL CAUSE SHUTDOWN OF THE PUBLIC ADDRESS SYSTEM SO THAT, ALL "WHITE NOISE" CAPABILITY OF THE PUBLIC ADDRESS SYSTEM SHALL CEASE. ALL INTERFACES BETWEEN THE PUBLIC ADDRESS SYSTEM AND FIRE ALARM SYSTEM IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR/INSTALLER INCLUDING ANY ALL PROGRAMMING.
68. THE REMOTE ANNUNICATOR AT THE BUILDING ENTRANCE. COORDINATE LOCATION WITH THE VA FIRE MARSHALL. CIRCUITS FROM THE BUILDING FIRE ALARM CONTROL PANEL TO A REMOTE ANNUNICATOR SHALL BE SUPERVISED.
69. THE FIRE ALARM SYSTEM SHALL COMPLY WITH ANSI A 117.1 TO INCLUDE BUT NOT LIMITED TO THE FOLLOWING:
    A. SMOKE DETECTION SHALL INCLUDE AUDIBLE NOTIFICATION COMPLY WITH NFPA 72 AND ANSI A117.1 SECTION 105.22.
    B. VISIBLE ALARM COVERAGE IN THE PUBLIC AND COMMON AREAS OF THE PROJECT WORK SCOPE SHALL MEET THE APPLICABLE PROVISIONS IN NFPA 72.
    C. ALL VISIBLE NOTIFICATION APPLIANCES PROVIDED IN THE PROJECT WORK SCOPE FOR SMOKE DETECTION NOTIFICATION SHALL BE ACTIVATED UPON ACTIVATION OF ANY SMOKE DETECTOR DEVICE IN THE PORTION OF BUILDING/ZONE WHERE THE SMOKE DETECTOR HAS DETECTED AN ALARM STATE.
70. THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH OTHER TRADES TO ELIMINATE CONFLICT WITH OTHER TRADES. ANY WORK INSTALLED BY THIS CONTRACTOR THAT RESULTS IN CONFLICT, DUE TO LACK OF COORDINATION BETWEEN TRADES, SHALL BE CHANGED AS DIRECTED BY THE ARCHITECT/ENGINEER WITHOUT ADDITIONAL COMPENSATION TO THE CONTRACTOR.

FIRE ALARM GENERAL NOTES

71. THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR PROVIDING DESIGN SHOP DRAWINGS, CALCULATIONS, ETC., INCLUDING BUT NOT LIMITED TO ALL ITEMS WHICH APPLY AS OUTLINED IN NFPA 72 SECTIONS 7.2, 7.4 AND 7.5, TITLED, "MINIMUM REQUIRED DOCUMENTATION", "SHOP DRAWINGS (INSTALLATION DOCUMENTATION)," AND "COMPLETION DOCUMENTATION".
72. FIRE/SMOKE AND DUCT SMOKE DETECTORS SHALL BE PLACED ON THE LIFE SAFETY POWER PANEL CIRCUIT. REFER TO ELECTRICAL DISCIPLINE DRAWINGS FOR WIRING CONFIGURATION.
73. ALL ALARM, SUPERVISORY, AND DETECTION SYSTEMS SHALL BE CONNECTED TO THE VA MEDICAL CENTER'S MAIN PROTECTED PREMISE FIRE ALARM CONTROL PANEL.
74. MAXIMUM TRAVEL DISTANCE BETWEEN FIRE EXTINGUISHERS SHALL NOT EXCEED 75 FEET FOR A LIGHT HAZARD OCCUPANCY COMPLYING WITH THE REQUIREMENTS OF NFPA 10, SECTION 6.2.
75. FIRE EXTINGUISHER SIGNAGE SHALL BE LOCATED AT ALL FIRE EXTINGUISHER LOCATION IN CONFORMANCE WITH NFPA 10, NFPA 101, ANSI 117.1, AND VA FIRE PROTECTION DESIGN MANUAL.
76. MANUAL FIRE ALARM PULL BOXES SHALL BE PROVIDED SO THAT THE MAXIMUM TRAVEL DISTANCE TO THE NEAREST MANUAL FIRE ALARM BOX DOES NOT EXCEED 200 FEET.
77. PHOTOELECTRIC TYPE SMOKE DETECTORS SHALL BE PROVIDED FOR THIS SCOPE OF WORK, NO EXCEPTIONS.
78. SMOKE DETECTORS SHALL NOT BE INSTALLED WITHIN THREE(3)-FEET OF DIRECT AIR FLOW OR A SUPPLY DIFFUSER OR A RETURN DIFFUSER OR AN EXHAUST OPENING/DIFFUSER.
79. SMOKE DETECTORS SHALL AVOID PLACEMENT NEAR ANY LIGHT FIXTURES. AS A GUIDE, SMOKE DETECTORS SHALL BE PLACED A MINIMUM TWO(2)-FT AWAY FROM SUCH FIXTURES AND THREE(3)-FT DISTANCE IS PREFERRED OR AS MANDATED BY MANUFACTURER;S WRITTEN INSTRUCTIONS.
80. SMOKE DETECTORS SHALL AVOID PLACEMENT NEAR ANY LIGHT FIXTURES. AS A GUIDE, SMOKE DETECTORS SHALL BE PLACED A MINIMUM TWO(2)-FT AWAY FROM SUCH FIXTURES AND THREE(3)-FT DISTANCE IS PREFERRED OR AS MANDATED BY MANUFACTURER;S WRITTEN INSTRUCTIONS.
81. VISIBLE SIGNALS SHALL NOT BE REQUIRED INSIDE EXAM ROOMS, SPECIAL PROCEDURE ROOMS AND NON-PUBLIC TOILETS WHERE STAFF IS REQUIRED TO RESPOND TO THOSE AREAS IN ACCORDANCE WITH THE FACILITY FIRE PLAN (REFER TO THE VA FIRE PROTECTION DESIGN MANUAL, SECTION 7.3.F(b)(8)).
82. DISRUPTIONS TO FIRE ALARM AND SPRINKLER SYSTEMS SHALL BE KEPT TO A MINIMUM OR AVOIDED. DELINEATE PHASING OF CONSTRUCTION TO ENSURE THAT INSTALLATIONS OF NEW SYSTEMS ARE EXPEDITED, AND EXISTING SYSTEMS ARE KEPT IN SERVICE UNTIL THE REPLACEMENT SYSTEM IS OPERATIONAL. IF FIRE PROTECTION SYSTEMS ARE TO BE DISRUPTED, PROCEDURES SHALL BE INCORPORATED INTO THE DESIGN TO MAINTAIN EQUIVALENT LEVELS OF FIRE PROTECTION AND PROVIDE FORMAL NOTIFICATION TO THE FACILITY WHILE SYSTEMS ARE DOWN. FOR EXAMPLE, THE PROVISION OF A 24 HOUR FIRE WATCH BY QUALIFIED INDIVIDUALS PROVIDED BY THE CONTRACTOR MAY PROVIDE AN EQUIVALENT LEVEL OF FIRE PROTECTION DURING SYSTEM DISRUPTION IN SOME CIRCUMSTANCES.
83. THE FIRE ALARM CONTRACTOR SHALL PROVIDE, FURNISH AND INSTALL, NEW FIXED TEMPERATURE HEAT DETECTORS IN THE WORK AREA DURING CONSTRUCTION AND THE HEAT DETECTORS ARE PROVIDED AS AN INTERIM EQUIVALENT SAFETY MEASURE TO BE PROVIDED DURING A FIRE ALARM OR FIRE SUPPRESSION SYSTEM IMPAIRMENT. THE HEAT DETECTORS SPACING WITHIN THE CONSTRUCTION AREA SHALL FOLLOW NFPA 72 AND NFPA 241 REQUIREMENTS. THE HEAT DETECTORS SHALL BE CONFIGURED/INTERFACED WITH THE NEW LOCAL FIRE ALARM PANEL AND THE SITE'S EXISTING MAIN FIRE ALARM DETECTION SYSTEM FOR MONITORING DURING A SYSTEM IMPAIRMENT. UPON COMPLETION OF CONSTRUCTION WITHIN THE RENOVATED AND NEW CONSTRUCTION AREA THE HEAT DETECTORS INCLUDING ALL WIRING, PROGRAMMING, ETC., TO/FROM THE INDIVIDUAL DEVICES AND THE FIRE ALARM SYSTEM SHALL BE REMOVED OR LEFT IN PLACE DEPENDENT ON THE COR REQUIREMENT.
84. ACTIVATE FIRE PROTECTION AS IT IS INSTALLED. FIRE ALARM SYSTEM INSTALLATION SHOULD BE COORDINATED AND PLACED IN SERVICE PRIOR TO FINAL INSPECTION – MEANS OF NOTIFICATION REQUIRED THROUGHOUT CONSTRUCTION AREAS (NFPA 241 REQUIREMENT) – TEMPORARY SYSTEM MAY BE DESIRED IF NEW SYSTEM CANNOT BE INSTALLED AS CONSTRUCTION PROGRESSES – ONCE INSTALLED, SYSTEM SHOULD BE ON EVEN IF PENDING ACCEPTANCE.
85. EXISTING FA SYSTEM SHOULD ALWAYS STAY ONLINE FOR DURATION OF PROJECT UNLESS:
    A. TEMP FA SYSTEM INSTALLED.
    B. FIRE WATCH IMPLEMENTED THIS ALLOWS BUILDING TO BE PROTECTED WHILE NEW SYSTEM, DEVICES, WIRING, CONDUIT AND ALARM PANEL, ETC., IS INSTALLED.
86. FIRE ALARM LIFE SAFETY SYSTEM TO BE FURNISHED/INSTALLED BY THIS CONTRACTOR SHALL BE MAINTAINED AS SOON AS REASONABLY PRACTICAL. COORDINATION WITH VA FIRE MARSHAL IS REQUIRED.
87. THERE SHALL BE A READILY AVAILABLE PUBLIC FIRE ALARM BOX NEAR THE PREMISE, TELEPHONE SERVICE TO THE RESPONDING FIRE DEPARTMENT OR EQUIVALENT FACILITIES MEETING NFPA 241.
88. INSTRUCTIONS SHALL BE ISSUED FO

NTS



1. RATED WALL OR FLOOR ASSEMBLY - PROVIDE FIRE STOPPING ASSEMBLY FOR PARTITION TYPE & RATING ENCOUNTERED.

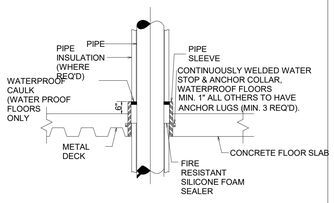
2. THROUGH PENETRATION - PROVIDE FIRE STOPPING ASSEMBLY FOR SIZE & MATERIAL OF THROUGH PENETRATION UTILIZED.
3. FIRE STOPPING MATERIAL - PROVIDE FIRE STOPPING MATERIAL FOR WALL ASSEMBLY & THROUGH PENETRATION MATERIAL ENCOUNTERED. FILL VOIDS OR CAVITY ACCORDING TO THE REQUIREMENTS OF THE FIRE STOPPING SYSTEM UTILIZED.

ALL RATED WALLS, PARTITIONS OR FLOORS SHALL BE PROVIDED WITH A UL LISTED FIRE STOP SYSTEM. THE SYSTEM UTILIZED SHALL MATCH THE SEPARATION PENETRATED AND THE THROUGH PENETRATION MATERIAL.

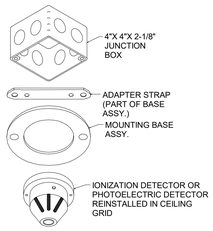
DETAILS FOR THE INSTALLATION OF SYSTEM TYPE UTILIZED SHALL BE AVAILABLE AT THE PROJECT SITE FOR THE DURATION OF CONSTRUCTION AND SHALL BE PROVIDED TO THE AUTHORITY HAVING JURISDICTION AND TO THE BUILDING OWNER AT THE PROJECT COMPLETION.

PROVIDE WALL OR FLOOR LABELS INDICATING THE SYSTEM MANUFACTURER AND UL LISTED ASSEMBLY NUMBER AT EACH LOCATION WHERE THE FIRE STOPPING SYSTEM IS INSTALLED.

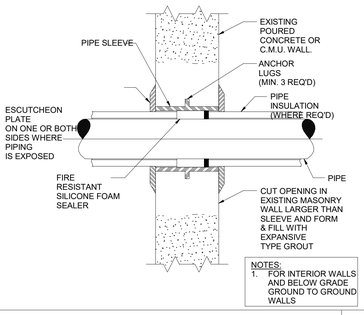
THROUGH PENETRATION FIRESTOP SYS. (PROVIDE UL LISTED SYSTEM) NTS 15



PIPE SLEEVE THROUGH FLOOR DETAIL NTS 12

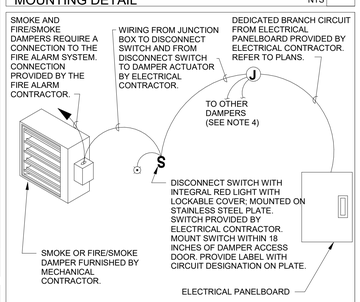


TYPICAL SMOKE DETECTOR MOUNTING DETAIL NTS 11



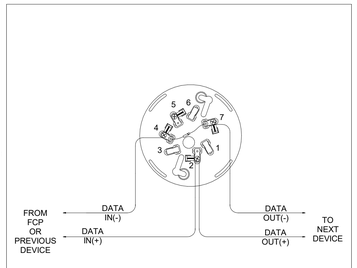
NOTES:
1. FOR INTERIOR WALLS AND BELOW GRADE GROUND TO GROUND WALLS

PIPE SLEEVE THROUGH WALL DETAIL NTS 14

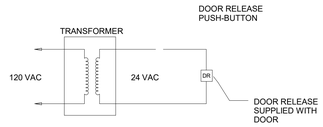


NOTES:
1. SMOKE AND FIRE/SMOKE DAMPERS SHALL BE UL LABELED AND INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. MECHANICAL CONTRACTOR TO PROVIDE ACCESS DOOR IN DUCTWORK FOR ACCESS TO THE DAMPER. MINIMUM SIZE SHALL BE 12"X12".
3. ALL WIRING SHALL BE INSTALLED IN RACEWAY.
4. MULTIPLE DAMPERS CAN BE SERVED FROM A SINGLE JUNCTION BOX, UP TO A MAXIMUM OF SIXTEEN (16) ACTUATORS.

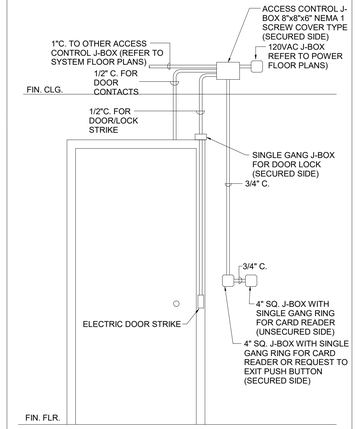
FIRE /SMOKE DAMPER MOUNTING DETAIL NTS 10



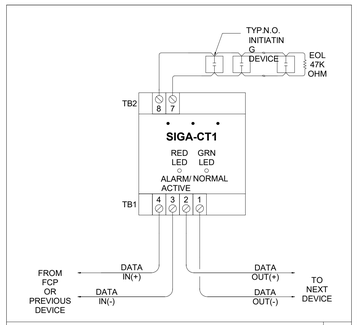
INTELLIGENT PHOTOELECTRIC SMOKE DETECTOR NTS 8



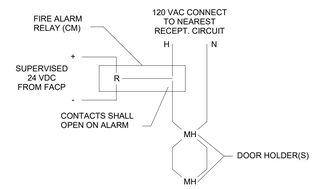
DOOR RELEASE CIRCUIT DIAGRAM NTS 4



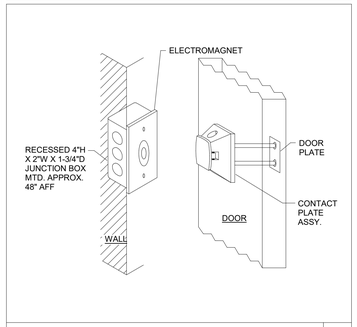
ACCESS CONTROL CONDUIT DETAIL FOR CARD READER SYSTEM NTS 2



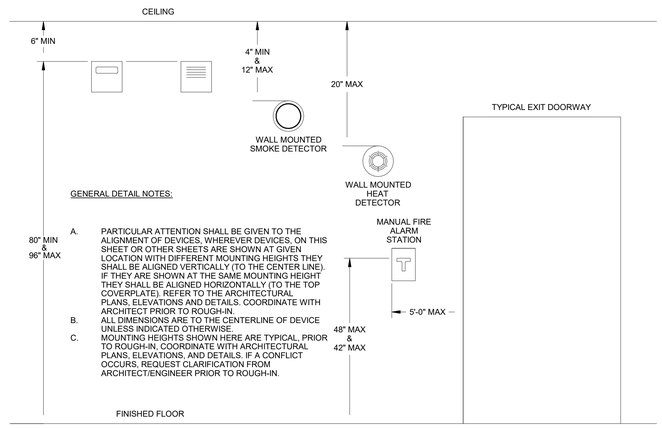
SINGLE INPUT MODULE NTS 7



TYPICAL DOOR HOLDER RELEASE CIRCUIT NTS 3



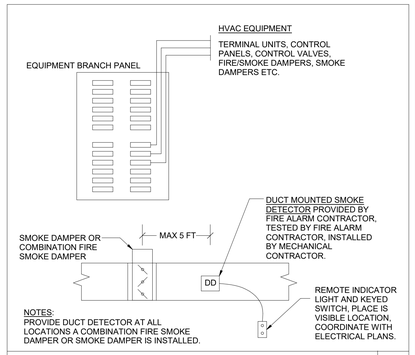
FLUSH MOUNTED DOOR HOLDER DETAIL NTS 6



GENERAL DETAIL NOTES:

A. PARTICULAR ATTENTION SHALL BE GIVEN TO THE ALIGNMENT OF DEVICES. WHEREVER DEVICES, ON THIS SHEET OR OTHER SHEETS ARE SHOWN AT GIVEN LOCATION WITH DIFFERENT MOUNTING HEIGHTS THEY SHALL BE ALIGNED VERTICALLY (TO THE CENTER LINE). IF THEY ARE SHOWN AT THE SAME MOUNTING HEIGHT THEY SHALL BE ALIGNED HORIZONTALLY (TO THE TOP COVERPLATE). REFER TO THE ARCHITECTURAL PLANS, ELEVATIONS AND DETAILS. COORDINATE WITH ARCHITECT PRIOR TO ROUGH-IN.
B. ALL DIMENSIONS ARE TO THE CENTERLINE OF DEVICE UNLESS INDICATED OTHERWISE.
C. MOUNTING HEIGHTS SHOWN HERE ARE TYPICAL. PRIOR TO ROUGH-IN, COORDINATE WITH ARCHITECTURAL PLANS, ELEVATIONS, AND DETAILS. IF A CONFLICT OCCURS, REQUEST CLARIFICATION FROM ARCHITECT/ENGINEER PRIOR TO ROUGH-IN.

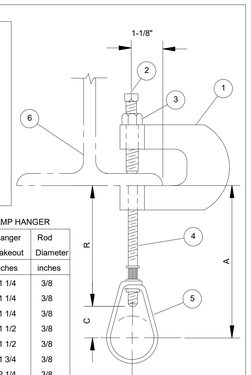
MOUNTING HEIGHTS OF DEVICES NTS 1



NOTES:
PROVIDE DUCT DETECTOR AT ALL LOCATIONS A COMBINATION FIRE SMOKE DAMPER OR SMOKE DAMPER IS INSTALLED.

DUCT DETECTOR AND POWER DETAIL NTS 16

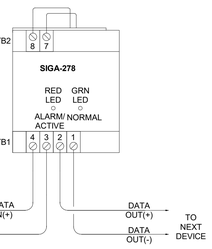
Components:
1. C-Clamp
2. Set Screw
3. Lock Nut
4. Hanger Rod
5. Adjustable Hanger Ring
6. Steel Beam or Bar Joist



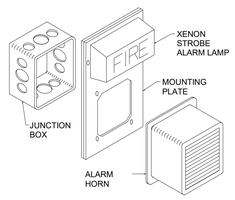
DESIGN DATA FOR C-CLAMP HANGER

Nominal Pipe Size	Minimum A Dimension inches	Hanger Takeout inches	Rod Diameter inches
1/2	3 1/2	-1 1/4	3/8
3/4	3 1/2	-1 1/4	3/8
1	3 1/2	-1 1/4	3/8
1 1/4	3 3/4	-1 1/2	3/8
1 1/2	4	-1 1/2	3/8
2	4 1/4	-1 3/4	3/8
2 1/2	5	-2 1/4	3/8
3	5 1/2	-2 1/2	3/8
4	6	-3	3/8
5	6 3/4	-3 3/4	1/2
6	7 3/4	-4 1/2	1/2
8	9 1/4	-6	1/2

STANDARD C-CLAMP PIPE HANGER NTS 13



MANUAL FIRE ALARM BOX NTS 9



FIRE ALARM HORN/STROBE LIGHT MOUNTING DETAIL NTS 5

Revision 1	Date 1
Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
FIRE DETECTION - DETAILS	100% CONSTRUCTION DOCUMENTS	RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: FA002
		Issue Date: 9/21/2023 · Checked: GAT · Drawn: JRC	

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	INPUTS \ OUTPUTS	AUDIBLE ALARMS ACTIVATION	ACTUATE HORN - STROBES	TRANSMIT ALARM TO REMOTE STATION	DISPLAY ALARM SIGNAL	DISPLAY SUPERVISORY SIGNAL	DISPLAY TROUBLE SIGNAL	TRANSMIT SUPERVISORY SIGNAL	TRANSMIT TROUBLE SIGNAL	RECORD EVENT AT FACP	ELEVATOR RECALL - FIRST FLOOR	ELEVATOR RECALL - SECOND FLOOR	SHUNT-TRIP ELEVATOR POWER	OPEN LOCKED EGRESS DOORS	ACTIVATE SMOKE CONTROL PROGRAM	ALLOW AUTOMATIC RESTART OF AHU	SHUTDOWN AIR HANDLER SERVED BY DETECTOR AND CLOSE DAMPERS	RELEASE MAGNETICALLY HELD SMOKE DOORS	INITIATE ELEVATOR SHUTDOWN AND DISCONNECT ELEVATOR POWER	SHUTDOWN OF PUBLIC ADDRESS SYSTEM DURING A FIRE ALARM CONDITION	CLOSE ASSOCIATED SMOKE BARRIER DOORS	CLOSE DAMPER ON FAN
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	MANUAL PULL FIRE ALARM	○	○	○	○					○				○				○			○	
2	AREA SMOKE DETECTOR	○	○	○	○					○				○				○				
3	DUCT SMOKE DETECTOR					○		○		○				○			○					
4	FIRE SPRINKLER SYSTEM WATER FLOW	○	○	○	○					○				○							○	
5	FIRE SPRINKLER SYSTEM TAMPER					○		○		○												
6	FIRE ALARM AC POWER FAILURE						○		○	○												
7	FIRE ALARM LOW BATTERY						○		○	○												
8	FIRE ALARM OPEN CIRCUIT						○		○	○												
9	FIRE ALARM GROUND FAULT						○		○	○												
10	NOTIFICATION APPLIANCE CIRCUIT FAULT						○		○	○												
11	FIRE ALARM PANEL CLEAR									○												
12	DOOR RELEASE SMOKE DETECTOR	○	○	○	○					○				○							○	○
13	ELEVATOR SMOKE DETECTOR	○	○	○	○					○	○											
14																						
15																						
16																						
17																						
18																						
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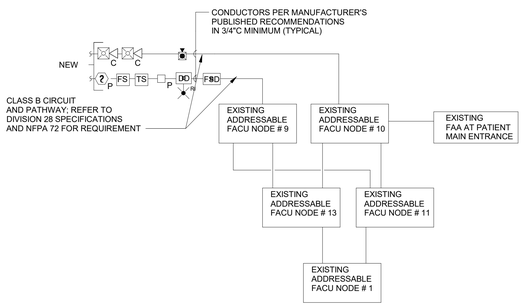
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U



NOTES:

1. DEVICES SHOWN ARE TYPICAL. REFER TO FIRE ALARM SHEETS FOR DEVICE LOCATIONS AND QUANTITIES.
2. PROVIDE END OF LINE RESISTORS AS REQUIRED.
3. ANNUNCIATION SHALL BE THREE TEMPORAL BEEPS.
4. DUCT SMOKE DETECTORS AND DAMPERS SHALL BE PROVIDED AND WIRED TO FACP AND POWER BY ELECTRICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL INSTALL DUCT SMOKE DETECTORS AND DAMPERS.
5. FOR LARGER DUCTS, PROVIDE ADDITIONAL DUCT DETECTORS AS REQUIRED BY NFPA 72
6. THE PUBLIC ADDRESS SYSTEM BEING FURNISHED/INSTALLED AS PART OF A DIVISIONS 28 SPECIFICATION ELECTRICAL DESIGN DOCUMENTS SCOPE OF WORK SHALL BE INTERFACED WITH THE FIRE ALARM SYSTEM. IN THE ADVENT OF AN ALARM CONDITION THE FIRE ALARM SYSTEM SHALL CAUSE SHUTDOWN OF THE PUBLIC ADDRESS SYSTEM WHERE ALL "WHITE NOISE" CAPACITY OF THE PUBLIC ADDRESS SYSTEM SHALL BE SHUTDOWN. ALL INTERFACES AND PROGRAMMING BETWEEN THE PUBLIC ADDRESS SYSTEM AND THE FIRE ALARM SYSTEM SHALL BE THE DIRECT RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR/INSTALLER.
7. EQUIPMENT MUST BE COMPATIBLE WITH THE FIRE ALARM CONTROL PANEL SOFTWARE.
8. ALL INITIATING DEVICES (IDCS), SIGNALING LINE CIRCUITS (SLCS) AND NOTIFICATION APPLIANCE CIRCUITS (NACS) SHALL BE A CLASS B CIRCUIT AND PATHWAY INTERFACE BETWEEN THE INDIVIDUAL DEVICES AND THE ADDRESSABLE FACP.
9. THE FIRE ALARM CONTROL PANEL SUPPORTING THE VA MEDICAL CENTER BUILDING SHALL HAVE A SET OF DRY CONTACTS AT THE FACP AND A SET OF DRY CONTACTS SHALL BE AVAILABLE AT THE PUBLIC ADDRESS SYSTEM MAIN PANEL TO INITIATE PUBLIC ADDRESS SYSTEM SHUTDOWN DURING A FIRE OR LIFE SAFETY EVENT; WHERE, THE FIRE ALARM SYSTEM TAKES PRECEDENCE OVER THE PUBLIC ADDRESS SYSTEM.

FIRE ALARM SEQUENCE OF OPERATION

THE FIRE ALARM NOTIFICATION SYSTEM SHALL GO INTO ALARM UPON ACTIVATION OF A MANUAL PULL, AREA SMOKE DETECTOR, DUCT SMOKE DETECTOR, OR FLOW SWITCH. THE ALARM SHALL BE DISPLAYED BY AUDIBLE AND VISUAL NOTIFICATION APPLIANCES. THE AIR HANDLING UNITS WILL SHUTDOWN THROUGH INTERFACE BETWEEN THE FIRE ALARM SYSTEM AND THE AIR HANDLER CONTROL PANEL. THE FIRE ALARM SYSTEM SHALL DISPLAY A TROUBLE CONDITION UNDER LOSS OF POWER, OR IF A SMOKE DETECTOR IS REMOVED FROM THE BASE. THE FIRE ALARM SYSTEM SHALL DISPLAY A SUPERVISORY CONDITION UPON ACTIVATION OF A TAMPER SWITCH OR DUCT SMOKE DETECTOR.

FIRE ALARM INPUT/OUTPUT MATRIX AND RISER DIAGRAM — NTS — 1

TEMPORARY FIRE ALARM, FIRE EXTINGUISHERS AND FIRE SUPPRESSION REQUIREMENTS

A. THE FIRE ALARM CONTRACTOR SHALL BE REQUIRED TO HAVE AN OVERALL FIRE SAFETY PROGRAM THAT SHALL INCLUDE:
B. FIRE PROTECTION SERVICES AS FOLLOWS:
   1. DURING DEMOLITION OF THE EXISTING SCOPE OF WORK AREA PRESERVATION OF EXISTING SYSTEMS DURING DEMOLITION SHALL BE KEPT FULLY OPERATIONAL AS LONG AS FEASIBLY POSSIBLE AND KEEP DISRUPTIONS TO FIRE ALARM AND FIRE SPRINKLER SYSTEM SHALL BE KEPT TO A MINIMUM.
   2. COORDINATE REQUIREMENTS AND RESPONSIBILITIES WITH VA FIRE SAFETY REPRESENTATIVE ON RESPONSIBILITIES OF FIRE FIGHTING OR CONTACTING OF LOCAL FIRE DEPARTMENT. CLEARLY DELINEATE THE DIVISION OF RESPONSIBILITIES BETWEEN THE VA AND CONTRACTOR DURING A FIRE INCIDENT.
   3. DEVELOPMENT AND DOCUMENTATION OF A PRE-FIRE PLAN WITH THE VA FIRE SAFETY OFFICIAL AND THE LOCAL FIRE DEPARTMENT THAT WOULD PROVIDE FIRE FIGHTING SERVICES DURING A FIRE OCCURRENCE.
   4. RAPID COMMUNICATION WITH THE VA FIRE SAFETY OFFICIAL.
   5. CONSIDERATION OF SPECIAL HAZARDS RESULTING FROM PREVIOUS SPACE USE.

C. PROTECTION OF EXISTING STRUCTURES AND EQUIPMENT FROM EXPOSURE FIRES RESULTING FROM CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS.
   1. VA RESPONSIBILITIES FOR FIRE PROTECTION:
      a. THE VA SHALL DESIGNATE A PERSON WHO SHALL BE RESPONSIBLE FOR THE FIRE PREVENTION PROGRAM AND WHO SHALL ENSURE THAT IT IS CARRIED OUT TO COMPLETION.
      b. THE VA FIRE PREVENTION MANAGER SHALL HAVE THE AUTHORITY TO ENFORCE THE PROVISION OS THIS AND OTHER APPLICABLE FIRE PROTECTION STANDARDS.
      c. THE VA FIRE PREVENTION PROGRAM MANAGER SHALL HAVE THE KNOWLEDGE OF THE APPLICABLE FIRE PROTECTION STANDARDS, AVAILABLE FIRE PROTECTION SYSTEMS AND FIRE INSPECTION PROCEDURES.
      d. THE VA FIRE PROTECTION INSPECTION RECORDS SHALL BE AVAILABLE FOR REVIEW BY ANY AUTHORITY HAVING JURISDICTION.

D. FIRE ALARM REQUIREMENTS:
   1. THE FIRE ALARM CONTRACTOR SHALL COORDINATE WITH THE VA FIRE OFFICIAL AS TO THE CLOSEST READILY ACCESSIBLE PUBLIC FIRE ALARM BOX NEAR THE CONSTRUCTION PREMISE TO REPORT A FIRE INCIDENT OR OCCURRENCE.
      a. INSTRUCTIONS SHALL BE CREATED AND ISSUED FOR ALL CONTRACTOR AND SUB-TIER CONTRACTORS FOR PROCEDURES FOR IMMEDIATE NOTIFICATION TO THE VA FIRE SAFETY REPRESENTATIVE AND/OR LOCAL FIRE DEPARTMENT IN THE CASE OF A FIRE. WHERE TELEPHONE SERVICE IS EMPLOYED, E.G., CELLULAR OF LAND LINE SERVICE TO THE RESPONDING FIRE DEPARTMENT OR EQUIVALENT FACILITIES.
   2. THE FIRE ALARM CONTRACTOR SHALL PROVIDE, FURNISH AND INSTALL, NEW FIXED TEMPERATURE HEAT DETECTORS IN THE WORK AREA DURING CONSTRUCTION AND THE HEAT DETECTORS ARE PROVIDED AS AN INTERIM EQUIVALENT SAFETY MEASURE TO BE PROVIDED DURING A FIRE ALARM OR FIRE SUPPRESSION SYSTEM IMPAIRMENT, RENOVATION TO EXISTING SCOPE OF WORK AREA. COORDINATE WITH VA CONTRACTING OFFICER REPRESENTATIVE AND DESIGNATED FIRE SAFETY OFFICIAL.
   3. THE HEAT DETECTORS SPACING WITHIN THE CONSTRUCTION AREAS SHALL FOLLOW NFPA 72 AND NFPA 241 REQUIREMENTS. THE HEAT DETECTORS SHALL BE CONFIGURED/INTERFACED WITH THE NEW LOCAL FIRE ALARM PANEL AND THE SITE'S EXISTING MAIN FIRE ALARM AND DETECTION SYSTEM FOR MONITORING DURING A SYSTEM IMPAIRMENT AND DURING THE RENOVATION OF EXISTING CONDITIONS FOR THE SCOPE OF WORK AREA.
   4. THE TEMPORARY FIRE DETECTION SYSTEM FOR THE EXISTING SCOPE OF WORK AREA SHALL BE FULLY OPERATIONAL PRIOR TO ANY SIGNIFICANT COMBUSTIBLE MATERIALS ARE PRESENT WITHIN THE PERIMETER OF THE BUILDING.
   5. THE TEMPORARY FIRE DETECTION SYSTEM FOR RENOVATED AREAS AND NEW CONSTRUCTION BUILDING SHALL INCLUDE THE HEAT DETECTORS INCLUDING ALL WIRING, PROGRAMMING, ETC., TO/FROM THE INDIVIDUAL DEVICES TO THE LOCAL FIRE ALARM PANEL AND INTERFACE WITH THE MAIN FIRE ALARM CONTROL PANEL FOR 24/7 MONITORING IS A PROJECT REQUIREMENT. THE TEMPORARY FIRE ALARM DEVICES SHALL BE REMOVED OR LEFT IN PLACE DEPENDENT ON THE COR'S REQUIREMENT.
   6. ALL SHUTDOWNS SHALL BE COORDINATED AND APPROVED THROUGH THE COR'S REPRESENTATIVE AND SHALL REQUIRE A MINIMUM OF 15 DAYS ADVANCED NOTICE. THIS TIME LENGTH MAY BE LONGER OF SHORTER FOR SOME SHUTDOWNS AND SHALL BE AT THE COR'S DISCRETION. DRAINING AND REFILLING OF THE EXISTING SYSTEM IS A RESPONSIBILITY OF THE COR'S REPRESENTATIVE.
   7. ALL DISRUPTIONS IN THE FIRE SUPPRESSION SYSTEM SHALL BE COMPENSATED WITH AN APPROVED FIRE WATCH AND STANDBY PERSONAL.

E. FIRE EXTINGUISHERS REQUIREMENTS:
   A. THE FIRE ALARM CONTRACTOR'S CONSTRUCTION OF THE SCOPE OF WORK AREA SHALL REQUIRE THE PLACEMENT OF FIRE EXTINGUISHERS AS FOLLOWS:
      - THE FIRE ALARM CONTRACTOR PROVIDE AT EACH LOCATION A PORTABLE FIRE EXTINGUISHER SHALL BE PROVIDED WHERE HAZARDS EXIST, SUCH AS THE STORAGE AND USED OF FLAMMABLE AND COMBUSTIBLE LIQUIDS OR COMBUSTIBLE MATERIAL ARE PRESENT WITHIN THE PERIMETER OF THE BUILDING CONSTRUCTION.
      - FIRE EXTINGUISHERS SHALL BE LOCATED SO THAT THE TRAVEL DISTANCE TO A FIRE EXTINGUISHER DOES NOT EXCEED FIFTY FEET.
      - FIRE EXTINGUISHERS TO BE PROVIDED DURING CONSTRUCTION SHALL BE EQUAL TO A 10 LB., FIRE EXTINGUISHER DRY CHEMICAL (4A:80B:C) FOR HEALTH CARE OCCUPANCIES TO INCLUDE THE ENTIRE BUILDING FLOOR AREA.

F. FLAMMABLE AND COMBUSTIBLE LIQUIDS:
   a. STORAGE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS SHALL BE IN ACCORDANCE WITH NFPA 30 AND NFPA 241, SECTION 5.5

G. OPERATION OF VALVES: OPERATION OF SPRINKLER CONTROL VALVES SHALL BE PERMITTED ONLY BY AUTHORIZED PERSONNEL AND SHALL BE ACCOMPANIED BY NOTIFICATION OF DULY DESIGNATED PARTIES. WHEN THE SPRINKLER SYSTEM IS BEING REGULARLY TURNED OFF TO FACILITATE CONNECTION OF NEWLY COMPLETED SEGMENTS, THE SPRINKLER CONTROL VALVE SHALL BE CHECKED AT THE END OF EACH WORK DAY BY THE FIRE SUPPRESSION CONTRACTOR AND THE VA FIRE SAFETY OFFICIAL TO ASCERTAIN THAT THE PROTECTION IS IN SERVICE.

PROCEDURES FOR IMPAIRMENT TO THE FIRE PROTECTION SYSTEM

1. MINIMUM REQUIREMENTS
   A. THE FIRE ALARM/FIRE SUPPRESSION CONTRACTOR SHALL ENACT MEASURES THAT SHALL BE TAKEN DURING THE IMPAIRMENT TO ENSURE THAT INCREASED RISKS ARE MINIMIZED AND THE DURATION OF THE IMPAIRMENT IS LIMITED.
   B. THE FIRE ALARM CONTRACTOR SHALL NOTIFY IN WRITING TO THE ARCHITECT, ENGINEER, VA COR, AND VA FIRE SAFETY OFFICIALOF THE PLANNED IMPAIRMENT, PROCEDURES DURING THE IMPAIRMENT, TESTING RE-COMMISSIONING OF THE WET-PIPE FIRE PROTECTIONFIRE ALARM SYSTEMS FOR PROTECTION OF THE AFFECTED LOCATIONS WITHIN THE SCOPE OF WORK SUITE.
   C. THE FIRE SUPPRESSION CONTRACTOR THROUGH THE VA COR SHALL PREPARE AND SUBMIT TO THE VA COR FOR THE VA COR'S DISTRIBUTION TO THE EMPLOYEES IN THE AREA OF THE IMPAIRMENT SHALL BE PROVIDED WITH INFORMATION ON ALTERNATE FIRE PROTECTION THAT WILL BE AVAILABLE.
   D. THE SUSPENSION OF ALL NON-ESSENTIAL HOT WORK PERMITS UNTIL THE CONCLUSION AND REACTIVATION OF THE PRE-ACTION FIRE SUPPRESSION SYSTEM AND INTERFACING FIRE DETECTION SYSTEM.
2. FIRE PROTECTION IMPAIRMENT PLAN
   A. A FIRE PROTECTION IMPAIRMENT PLAN SHOULD BE DEVELOPED AND IMPLEMENTED BEFORE AUTHORIZATION IS GIVEN, THE IMPAIRMENT COORDINATOR SHOULD VERIFY THAT THE FOLLOWING PROCEDURES HAVE BEEN IMPLEMENTED:
      - THE EXTENT AND EXPECTED DURATION OF THE IMPAIRMENT THAT HAS BEEN DETERMINED.
      - THE AREA OF THE BUILDING THAT WILL BE AFFECTED HAS BEEN INSPECTED AND THE INCREASED RISKS DETERMINED.
      - RECOMMENDATIONS HAVE BEEN SUBMITTED TO THE ARCHITECT, ENGINEER AND OWNER OR OWNER'S REPRESENTATIVE TO MITIGATE ANY INCREASED RISKS.
      - WHERE A REQUIRED FIRE PROTECTION SYSTEM IS OUT OF SERVICE FOR MORE THAN TEN HOURS IN A 24 HOUR PERIOD THE CONTRACTOR & OWNER SHALL ARRANGE FOR THE FOLLOWING:
        - AN APPROVED FIRE WATCH.
        - ESTABLISHMENT AND IMPLEMENTATION OF AN APPROVED PROGRAM TO ELIMINATE POTENTIAL IGNITION SOURCES AND LIMIT OF THE AMOUNT OF COMBUSTIBLES IN THE AREA OF CONSTRUCTION.
        - ASSIGN PERSONNEL TO TRANSMIT FIRE ALARMS TO THE OWNER'S HOSPITAL COORDINATOR WHERE THE MAIN FIRE ALARM PANEL IS BEING MONITORED FOR 24/7 COVERAGE.
3. TAG IMPAIRMENT SYSTEM
   A. A TAG SHALL BE USED TO INDICATE THAT A SYSTEM OR PART THERE OF, HAS BEEN REMOVED FROM SERVICE. THE CONTRACTOR SHALL PLACE TAGS ON ALL AFFECTED COMPONENTS, E.G., TAMPER SWITCHES, VALVES, FIRE ALARM ANNUNICATOR DEVICES, ETC., PRIOR TO THE COMMENCEMENT OF ANY WORK.
   B. THE TAG SHALL BE POSTED AT EACH FIRE PROTECTION CONNECTION AND SYSTEM CONTROL VALVE AND OTHER LOCATION REQUIRED BY THE OWNER'S REPRESENTATIVE OR ANY AND ALL AUTHORITIES HAVING JURISDICTION, INDICATING WHICH SYSTEM, OR PART THERE OF, HAS BEEN REMOVED FROM SERVICE.
      - THE SUPERVISORS IN THE AREA TO THE AFFECTED AREA HAS BEEN NOTIFIED.
      - THE FIRE DEPARTMENT HAS BEEN NOTIFIED.
      - A TAG IMPAIRMENT SYSTEM HAVE BEEN IMPLEMENTED.
      - ALL NECESSARY TOOLS, EQUIPMENT, MATERIAL AND APPURTENANCES ARE LOCATED AND ASSEMBLED ON THE IMPAIRMENT SITE.
4. RESTORING SYSTEMS TO SERVICE
   A. WHEN ALL IMPAIRED EQUIPMENT IS RESTORED TO NORMAL WORKING ORDER, THE ARCHITECT/ ENGINEER SHALL VERIFY THAT THE CONTRACTOR HAS IMPLEMENTED THE FOLLOWING PROCEDURES:
      - ALL NECESSARY INSPECTION HAVE BEEN CONDUCTED FOLLOWING NFPA 13, 25 AND 72 REQUIREMENTS IN ORDER TO VERIFY THAT THE AFFECTED SYSTEM ARE OPERATION. CONTRACTOR SHALL SUBMIT ALL REQUIRED RECORDS AND RECORDS SHALL INDICATE THE PROCEDURE PERFORMED, THE ORGANIZATION THAT PERFORMED THE WORK, RESULTS AND THE DATE.
      - OPEN ALL VALVES THAT WERE SECURED DURING THE IMPAIRMENT.
      - REMOVE IMPAIRMENT TAG ONCE VALVES ARE OPEN.
      - CONDUCT A DRAIN TEST IN THE WIDE OPEN POSITION.
      - ENSURE THE FIRE PROTECTION SYSTEM IS PLACED BACK TO "AUTOMATIC" SERVICE.
      - RESET FIRE ALARM SYSTEM AND NOTIFY OWNER'S REPRESENTATIVE AND FIRE ALARM COMPANY THAT MONITORS THE OWNER'S MAIN FIRE ALARM PANEL ON 24/7 COVERAGE.
      - ARCHITECT, ENGINEER AND OWNERS REPRESENTATIVE HAVE BEEN ADVISED THAT THE FIRE PROTECTION AND FIRE DETECTION SYSTEM THAT WAS IMPAIRED HAS BEEN RESTORED.
      - THE OWNER'S REPRESENTATIVE OR DESIGNATED REPRESENTATIVE, FIRE ALARM COMPANY WHO MONITORS THE MAIN FIRE ALARM PANEL FOR 24/7 COVERAGE AND ALL OTHER JURISDICTIONS HAVE BEEN ADVISED THAT BOTH FIRE PROTECTION SYSTEMS IS RESTORED.
      - THE IMPAIRMENT TAG HAS BEEN REMOVED.
      - COORDINATE ALL PROCEDURES WITH VA CONTRACTING OFFICER REPRESENTATIVE AND DESIGNATED FIRE SAFETY OFFICIAL.

FIRE WATCH PROCEDURES AND REQUIREMENTS

A. THE FIRE ALARM CONTRACTOR'S FIRE WATCH PERSONNEL SHALL BE TRAINED TO UNDERSTAND THE INHERENT HAZARDS OF THE WORK SITE AND OF THE HOT WORK TO OCCUR.
B. THE FIRE ALARM CONTRACTOR'S FIRE WATCH SHALL ENSURE THAT SAFE CONDITIONS ARE MAINTAINED DURING OUTAGE OF THE FIRE ALARM/FIRE SUPPRESSION SYSTEM AND/OR DURING THE OCCURRENCE OF HOT WORK OPERATION.
C. THE FIRE ALARM CONTRACTOR'S FIRE WATCH SHALL HAVE THE AUTHORITY TO STOP HOT WORK OPERATIONS IF UNSAFE OPERATIVE DEVELOPS.
D. THE FIRE ALARM CONTRACTOR'S FIRE WATCH SHALL HAVE FIRE EXTINGUISHING EQUIPMENT READILY AVAILABLE AND TRAINED IN ITS USE, E.G., FIRE EXTINGUISHERS.
E. THE FIRE ALARM CONTRACTOR'S FIRE WATCH SHALL BE FAMILIAR WITH OWNER'S FACILITIES AND PROCEDURES FOR SOUNDING AN ALARM IN THE EVENT OF A FIRE.
F. THE FIRE ALARM CONTRACTOR'S FIRE WATCH SHALL WATCH FOR FIRES IN ALL EXPOSED AREAS AND TRY TO EXTINGUISH A FIRE ONLY WHEN THE FIRES ARE OBVIOUSLY WITHIN THE CAPACITY OF THE AVAILABLE EXTINGUISHING EQUIPMENT. IF THE FIRE ALARM CONTRACTOR'S FIRE WATCH DETERMINES THAT THE FIRE IS NOT WITHIN THE CAPACITY OF THE EQUIPMENT THE FIRE WATCH SHALL SOUND AN ALARM IMMEDIATELY (E.G.,INITIATE A MANUALLY ACTUATED ALARM INDICATING DEVICE THAT IS OUTSIDE OF THE CONSTRUCTION AREA DURING THE DISRUPTION OF THE FIRE ALARM/DETECTION WITHIN THE CONSTRUCTION WORK SCOPE OR WITHIN THE CONSTRUCTION WORK SCOPE IF THE FIRE ALARM/DETECTION SYSTEM HAS BEEN ACTIVATED).
G. BEFORE STARTING ANY HOT WORK, THE CONTRACTORS AND THEIR OWNERS SHALL DISCUSS THE PLANNED PROJECT COMPLETELY INCLUDING THE TYPE OF HOT WORK TO BE CONDUCTED AND THE HAZARDS IN THE AREA WITH THE ASSOCIATED PLAN OF ACTION, IN ORDER, TO PROVIDE EQUIVALENT SAFETY MEASURES TAKEN DURING THE FIRE DETECTION OR FIRE SUPPRESSION IMPAIRMENT.

PROCEDURES FOR DRAINING WET PIPE SYSTEM

1. TO DRAIN A WET PIPE SYSTEM THE PROCEDURE TO BE PERFORMED AND SUBMITTED TO THE ARCHITECT, ENGINEER, VA COR, AND VA FIRE SAFETY OFFICIAL SHOULD INCLUDE BUT NOT LIMITED TO THE FOLLOWING.
   1.1. CLOSE ALL SPRINKLER CONTROL VALVES.
   1.2. TAG ALL CLOSED VALVES.
   1.3. OPEN MAIN DRAIN VALVES AND AUXILIARY DRAINS ALLOWING THE SYSTEM FOR 100% COMPLETE DRAINAGE.
   1.4. WHEN THE WATER HAS BEEN COMPLETELY DRAINED, CLOSE THE MAIN DRAIN AND AUXILIARY DRAIN VALVES. WHEN THE WATER HAS STOPPED FLOWING, CHECK ALL CONTROL VALVES TO BE SURE THEY ARE TIGHTLY SHUT; ANY MALFUNCTION CONTROL VALVES SHOULD BE REPAIRED AND/OR REPLACED IMMEDIATELY AS DEEMED APPLICABLE.
   1.5. CHECK FOR WATER TRAPPED AT ALL LOW POINTS IN PIPING THAT LACK AUXILIARY DRAINS; REMOVE DRAIN AND REPLACE SUCH PIPING.
   1.6. ONCE ABOVE ITEM ARE CONFIRMED WITH 100% CERTAINTY THE CONTRACTOR SHALL PERFORM ALL NEW INSTALLATIONS.

FIRE ALARM GENERAL NOTES - DEMOLITION

1. THE INTENTS OF THE DEMOLITION ON THIS PROJECT IS FOR REMOVAL/REWORK OF THE EXISTING FIRE ALARM SYSTEM REQUIRED FOR THE INSTALLATION OF NEW DEVICES. REMOVAL SHALL INCLUDE WIRE, EXPOSED RACEWAYS, FIRE ALARM EQUIPMENT & ASSOCIATED DEVICES, SUPPORTING DEVICES AND ANY OTHER MISCELLANEOUS EQUIPMENT ASSOCIATED WITH THE FIRE ALARM SYSTEM.
2. THE DEMOLITION OF THE FIRE ALARM SYSTEM MUST BE PHASED. NEW AND EXISTING FIRE ALARM DEVICES AND SYSTEMS MUST BE INTERCONNECTED TO PROVIDE SIMULTANEOUS ACTIVATION AND NOTIFICATION. EXISTING FIRE ALARM SYSTEMS SHALL BE TREATED AS SEPARATE ADDRESSES ON THE NEW SYSTEM UNTIL THEY ARE REMOVED OR REPLACED.
3. THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR, BUT NOT LIMITED TO: ALL TEMPORARY AND PERMANENT CROSSOVER CONNECTIONS, RELOCATION OF SYSTEM EQUIPMENT AND REPROGRAMMING OF THE SYSTEM AND EQUIPMENT TO THE NEW AND EXISTING FIRE ALARM SYSTEM. RENOVATION/CONSTRUCTION FOR THIS SCOPE OF WORK SHALL INCLUDE BUT NOT LIMITED TO THE FOLLOWING SYSTEMS:
   A. NORMAL POWER/LIGHTING CIRCUITS
   B. EMERGENCY POWER/LIGHTING CIRCUITS
   C. FIRE ALARM SYSTEMS
   D. TELEPHONE SYSTEMS
   E. DATA SYSTEMS.
4. OWNER RETAINS RIGHTS OF SALVAGE FOR EQUIPMENT AND FIXTURES TO BE REMOVED. COORDINATE WITH THE OWNER THE EQUIPMENT AND FIXTURES TO BE SALVAGED AND THE LOCATION FOR STORAGE. AVOID DAMAGE TO EQUIPMENT, FIXTURES AND DEVICES DURING DEMOLITION WORK AND DURING TRANSPORT TO OWNER'S DESIGNATED STORAGE LOCATION.
5. THE DEMOLITION PLAN IS NOT INCLUSIVE OF ALL ELECTRICAL DEVICES, FITTINGS, CONDUITS, ETC., IT IS INTENDED TO PROVIDE THE CONTRACTOR WITH A GENERAL KNOWLEDGE OF EXISTING CONDITIONS WITHIN THE PROJECT AREA.
6. THE FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE TO SUPPORT ALL EXISTING FIRE ALARM EQUIPMENT, SYSTEM WIRING AND CABLES THAT ARE TO REMAIN WHEN EXISTING CEILINGS ARE REMOVED AND REPLACED. PROVIDE THE APPROPRIATE LISTED INDUSTRY RECOGNIZED SUPPORTS FOR ALL APPLICATIONS.
7. ALL WORK SHALL BE PERFORMED SO AS TO NOT INTERRUPT SERVICE TO THE ENTIRE AFFECTED BUILDING. THE CONTRACTOR SHALL PROPERLY NOTIFY THE BUILDING OWNER AS APPLICABLE WITH A MINIMUM NOTICE OF 48 HOURS IN ADVANCE BEFORE PROCEEDING WITH THIS WORK.
8. REMOVE ALL UNUSED AND DEMOLISHED EQUIPMENT AND ASSOCIATED MATERIAL FROM THE SITE. ABANDONING UNUSED PORTIONS WILL NOT BE ACCEPTABLE.
9. AVOID DAMAGING EXISTING SURFACES AND EQUIPMENT AND ASSOCIATED MATERIALS FROM THE SITE. REPAIR ANY DAMAGE CAUSED DURING WORK AT NO EXTRA COST TO THE OWNER.
10. REPAIR FIRE AND SMOKE RATED PARTITIONS SURROUNDING FIRE ALARM WORK AS SPECIFIED. REFER TO ARCHITECTURE PLANS FOR LOCATIONS OF SMOKE AND FIRE PARTITIONS.
11. THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR ALL CONDUIT PENETRATIONS THROUGH CHASES, WALLS, FLOORS OR CEILING WHICH ARE FIRE-RATED. THE FIRE ALARM CONTRACTOR SHALL UNDER THE DIRECTION OF THE ARCHITECT, PROPERLY SEAL ALL PENETRATIONS TO MAINTAIN FIRE PROTECTION RATING. ALL PIPING PENETRATIONS MUST BE SEALED IN ACCORDANCE WITH "UL" LISTING SEALING METHOD AND/OR AS DETAILED IN THESE CONTRACT DOCUMENTS AND SPECIFICATIONS. REPAIR SURFACES TO MATCH ADJACENT AREAS. REFER TO ARCHITECTURE PLANS FOR LOCATIONS OF SMOKE AND FIRE PARTITIONS.
12. ALL CUTTING AND PATCHING, RELOCATING OF ANY EQUIPMENT, LIGHT FIXTURES, CONDUITS, PIPING, ETC., NECESSARY TO PERFORM THE WORK WILL BE THE FIRE ALARM CONTRACTOR'S RESPONSIBILITY UNLESS NOTED OTHERWISE. ALL AFFECTED SURFACES WILL BE RESTORED TO THEIR ORIGINAL CONDITION.
13. REMOVE ANY CEILING TILES, GRID, AND LIGHT FIXTURES REQUIRED TO ACCOMPLISH THE WORK. REPLACE SAME AFTER THE INSTALLATION IS COMPLETE. IT IS THE FIRE ALARM CONTRACTOR'S RESPONSIBILITY TO REPLACE ANY ITEMS DAMAGED DURING CONSTRUCTION.
14. THE FIRE ALARM CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELECTRICAL & FIRE ALARM LINES, PLUMBING LINES, DUCTWORK OR MECHANICAL PIPING LOCATED IN THE CEILING SPACE, WALLS OR FLOOR PRIOR TO SAW CUTTING OR ANY CORE DRILLING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR SUCH ITEMS DAMAGED.
15. THE FIRE ALARM CONTRACTOR SHALL PATCH, PAINT AND MATCH FINISH WITH EXISTING SURFACES TO REMAIN WHERE FIRE ALARM DEVICES ARE BEING REMOVED.
16. THE BUILDING WILL BE IN OPERATION DURING THE DEMOLITION AND CONSTRUCTION. CONTRACTOR SHALL REFER TO PHASING PLAN AND NOTIFY OWNER A MINIMUM OF 48 HOURS PRIOR TO DISCONNECTION OF EXISTING FIRE ALARM SIGNALING AND MONITORING SYSTEM.
17. BEFORE DEMOLITION OF ANY FIRE ALARM CONDUIT, WIRING OR CIRCUIT THE FIRE ALARM CONTRACTOR SHALL VERIFY ALL CIRCUITS BEING SERVED OUTSIDE THE CONSTRUCTION AREA ARE OPERATIONAL. VERIFY WITH OWNER BEFORE DISRUPTING THE EXISTING FIRE ALARM SERVICES WHICH MAY HAVE AN AFFECT ON FIRE ALARM DEVICES OUTSIDE THE CONSTRUCTION AREA. ANY EXISTING FIRE ALARM DEVICES DISRUPTED BY THE DEMOLITION ARE TO BE RESTORED TO OPERATION IMMEDIATELY OR WITH THE TIME AGREED UPON WITH THE VA COR.
18. VERIFY THAT EXISTING EQUIPMENT, I.E., TAMPER SWITCHES, WATER FLOW SWITCHES, ETC., TO REMAIN IS OPERATING PROPERLY. NOTIFY THE ARCHITECT, ENGINEER AND VA COR, AND VA FIRE SAFETY OFFICIAL OF ANY DAMAGED AND/OR MALFUNCTIONING COMPONENTS.
19. COORDINATE FIRE ALARM SYSTEM MODIFICATIONS TO MINIMIZE SYSTEM IMPAIRMENT. THE FIRE ALARM CONTRACTOR SHALL PROVIDE FIRE WATCH AND INTERIM FIRE PROTECTION MEASURES WHERE REQUIRED BY THE VA COR, VA FIRE OFFICIAL, THESE CONTRACT DOCUMENTS AND BOOK SPECIFICATION DOCUMENTS.
20. IT SHALL BE THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO REMOVE AND LEGALLY DISPOSE OF DEMOLISHED MATERIALS.
21. THE VA RESERV

MISCELLLANEOUS
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N = NEW DEVICE

FIRE ALARM SYMBOLS

DD	FIRE ALARM DUCT MOUNTED SMOKE DETECTOR.
FS	FIRE ALARM FLOW SWITCH CONNECTION TO SPRINKLER SYSTEM.
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F	HEAT DETECTOR - FIXED TEMPERATURE
	FIRE EXTINGUISHER, DRY CHEMICAL FOR ALL TYPES OF FIRES
P	ALARM, FIRE, MANUAL PULL STATION.
	ALARM, LAMP LIGHT, SIGNAL LIGHT STROBE.
	SMOKE DETECTOR, PHOTOELECTRIC TYPE ONLY
	WALL MOUNTED STROBE
C	WALL MOUNTED SPEAKER-STROBE
RI	CEILING MOUNTED REMOTE INDICATOR
WF	FIRE SUPPRESSION WATER FLOW SWITCH TO SPRINKLER SYSTEM
TS	FIRE SUPPRESSION TAMPER SWITCH TO SPRINKLER SYSTEM
FACP	FIRE ALARM CONTROL PANEL

FIRE ALARM GENERAL NOTES - DEMOLITION

A. THE FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS PRIOR TO CONSTRUCTION. THE EXISTING FIRE ALARM EQUIPMENT ABOVE CEILING AND WITHIN WALLS WILL NEED TO BE FIELD VERIFIED.

B. THE EXISTING BUILDING'S LOCAL FIRE ALARM CONTROL PANEL SHALL REMAIN IN SERVICE AT ALL TIMES THROUGHOUT THE RENOVATION AREAS SHOWN ON THESE CONTRACT DOCUMENTS. SPECIAL PROVISIONS SHALL BE MADE BETWEEN THE FIRE ALARM CONTRACTOR AND THE ARCHITECT, THE ENGINEER AND THE COR'S REPRESENTATIVE TO DISCONNECT POWER TO THE AREAS OF THE RENOVATION TO MINIMIZE THE INTERRUPTIONS IN THE FIRE ALARM SERVICE.

C. A FIRE WATCH SHALL BE PROVIDED FOR AREAS WITH INTERRUPTIONS IN FIRE ALARM SERVICE.

D. THE MAIN FIRE ALARM CONTROL PANEL SHALL REMAIN IN SERVICE, PROVISIONS SHALL BE MADE TO DISCONNECT POWER TO THE AREAS OF THE RENOVATION TO MINIMIZE INTERRUPTIONS IN SERVICE.

E. REFER TO DRAWING FX-003 FOR IMPAIRMENT REQUIREMENTS AND PROCEDURES THAT SHALL BE MET BY THE CONTRACTOR PRIOR TO THE REMOVAL AND/OR DEACTIVATION OF ANY FIRE DETECTION DEVICE.

F. THE INTENTS OF THE DEMOLITION ON THIS PROJECT IS FOR REMOVAL/REWORK OF THE EXISTING FIRE ALARM SYSTEM REQUIRED FOR THE INSTALLATION OF NEW DEVICES.

G. REMOVAL SHALL INCLUDE WIRE, EXPOSED RACEWAYS, FIRE ALARM EQUIPMENT & ASSOCIATED DEVICES, SUPPORTING DEVICES AND ANY OTHER MISCELLANEOUS EQUIPMENT ASSOCIATED WITH THE FIRE ALARM SYSTEM.

H. BEFORE DEMOLITION OF ANY FIRE ALARM CONDUIT, WIRING OR CIRCUIT THE FIRE ALARM CONTRACTOR SHALL VERIFY ALL CIRCUITS BEING SERVED OUTSIDE THE CONSTRUCTION AREA ARE OPERATIONAL. VERIFY WITH COR BEFORE DISRUPTING THE EXISTING FIRE ALARM SERVICES WHICH MAY HAVE AN AFFECT ON FIRE ALARM DEVICES OUTSIDE THE CONSTRUCTION AREA. ANY EXISTING FIRE ALARM DEVICES DISRUPTED BY THE DEMOLITION ARE TO BE RESTORED TO OPERATION IMMEDIATELY OR WITH THE TIME AGREED UPON WITH THE COR.

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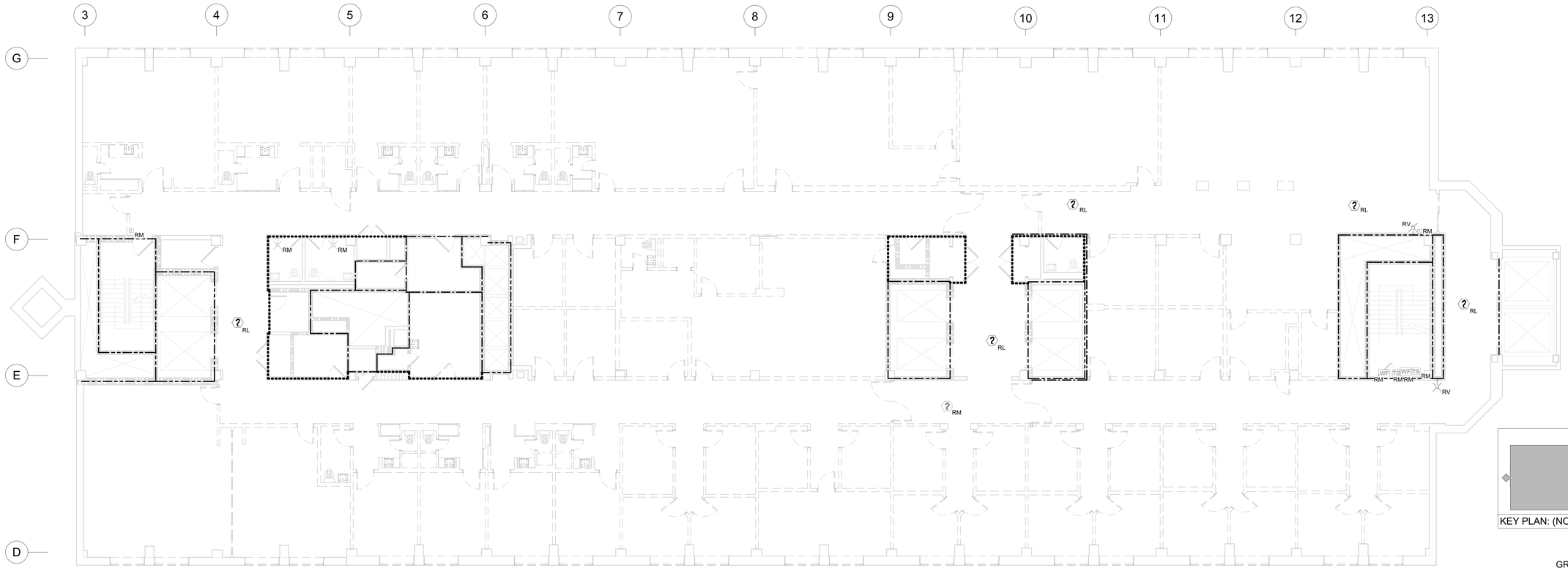
J. COORDINATE FIRE ALARM SYSTEM MODIFICATIONS TO MINIMIZE SYSTEM IMPAIRMENT. PROVIDE FIRE WATCH AND INTERIM FIRE PROTECTION MEASURES WHERE REQUIRED BY THE AUTHORITY HAVING JURISDICTION OR THE COR.

K. VA ATLANTA HOSPITAL WILL REQUIRE THAT THE EXISTING NOTIFICATION DEVICES AND TEMPORARY HEAT DETECTORS SPECIFIED ON FA003 SHALL BE IN PLACE AND PROGRAMMED AT THE TWO MAIN FIRE ALARM CONTROL PANEL AT THE POLICE DISPATCH, TELEPHONE OPERATOR PBX AND THE ONYX COMPUTER SYSTEM WITHIN THE BOILER ROOM. EACH AND EVERY NODE, FIFTEEN IN TOTAL WILL NEED TO BE UPDATED ONCE THE HEAT DETECTORS ARE ADDED TO NODES 9 & 10. AN ACTIVE FIRE ALARM AND DETECTION SYSTEM MUST BE IN PLACE BEFORE REMOVAL AND RELOCATION OF ANY FIRE ALARM DEVICE. THEREFORE, IT IS RECOMMENDED THAT DURING THE NEW WORK ON THE SIXTH FLOOR THE LAST ITEMS TO BE MOVED SHOULD BE THE EXISTING FIRE ALARM NOTIFICATION AND DETECTION DEVICES. THE NEW NOTIFICATION, INITIATING DEVICES MUST BE PROGRAMMED AND ACCEPTED BY THE VA AND ENGINEER OF RECORD PRIOR TO RELOCATION OF THE EXISTING SMOKE DETECTORS AND SPEAKER-STROBE NOTIFICATION DEVICES. THEREFORE, THERE WILL BE TWO ROUNDS OF TESTING AND ACCEPTANCE, E.G., PRE TESTING OF ALL NEW DEVICES AND FINAL TESTING OF THE NEW AND EXISTING DEVICES IN ORDER TO VALIDATE AND CERTIFICATION OF APPROVAL OF THE SYSTEM RECORD OF COMPLETION SHOWN IN NFPA 72, FIGURE 7.8.2.

L. THE VA ATLANTA HOSPITAL REQUIREMENTS FOR A SHUTDOWN IS THAT NO FIRE ALARM SYSTEM SHALL BE DISCONNECTED FOR MORE THAN 4 HOURS. APPROVALS OF ANY FIRE ALARM SHUTDOWN IS TO BE SUBMITTED AND APPROVED TO THE VA CHIEF ENGINEER, THE VA FIRE SAFETY OFFICIAL THE VA COR AND THE ENGINEER OF RECORD WITH DETAILED SCHEDULE CHRONICALLY ORDER OF WORK SCOPE TO BE COMPLETED BETWEEN START AND FINISH OF THE FIRE ALARM SHUTDOWN.



4 FIRE DETECTION - LEVEL 06 - DEMOLITION
1/8" = 1'-0"

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FIRE DETECTION - LEVEL 06 - DEMOLITION	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: FA100
		Issue Date: 9/21/2023 · Checked: GAT · Drawn: JRC	

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FIRE ALARM SYMBOLS

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FS	FIRE ALARM FLOW SWITCH CONNECTION TO SPRINKLER SYSTEM.
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F	HEAT DETECTOR - FIXED TEMPERATURE
	FIRE EXTINGUISHER, DRY CHEMICAL FOR ALL TYPES OF FIRES
F	ALARM, FIRE, MANUAL PULL STATION.
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RI	CEILING MOUNTED REMOTE INDICATOR
WF	FIRE SUPPRESSION WATER FLOW SWITCH TO SPRINKLER SYSTEM
TS	FIRE SUPPRESSION TAMPER SWITCH TO SPRINKLER SYSTEM

FIRE EXTINGUISHER SCHEDULE

FE1	FIRE EXTINGUISHER, 20 LB (4A:80B:C) DRY CHEMICAL FOR OFFICE AREAS AND HEALTH CARE FINISHED SPACES
FE2	FIRE EXTINGUISHER, 20 LB (40B:C) CARBON DIOXIDE FOR ELECTRIC ROOMS
FE3	FIRE EXTINGUISHER, 20 LB (2A:K) WET CHEMICAL FOR COMMERCIAL KITCHEN

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N = NEW DEVICE

FIRE ALARM GENERAL NOTES - NEW

A. REFER TO DRAWING FA001 FOR FIRE ALARM GENERAL NOTES, ABBREVIATIONS AND SYMBOLS.

B. REFER TO FA003 FOR FIRE ALARM INPUT / OUTPUT MATRIX. ALL FIRE ALARM DEVICES SHALL BE INTERFACED WITH THE EXISTING FIRE ALARM SYSTEM AND PROGRAMMING OF THE NEW POINTS AT THE LOCAL AND MAIN FIRE ALARM CONTROL PANELS..

C. REFER TO DRAWING FX004 FOR TEMPORARY FIRE ALARM, FIRE EXTINGUISHER AND FIRE SUPPRESSION REQUIREMENTS DURING AN IMPAIRMENT TO THE EXISTING SYSTEM.

D. REFER TO DRAWING FX004 FOR IMPAIRMENT REQUIREMENTS AND PROCEDURES THAT SHALL BE MET BY THE CONTRACTOR PRIOR TO THE REMOVAL AND/OR DEACTIVATION OF ANY FIRE DETECTION DEVICE.

E. THE INFORMATION GIVEN HEREIN IS AS EXACT AS COULD BE SECURED FOR BIDDING PURPOSES AND ITS ACCURACY IS NOT GUARANTEED. THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR EXAMINING NEW JOB CONDITIONS AND VERIFYING ALL MEASUREMENTS, DISTANCES, ELEVATIONS, CLEARANCES, PIPE SIZES, ETC., BEFORE STARTING THE DEMOLITION OR NEW WORK.

F. THE DRAWING SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES. THE SCALE WHEN INDICATED FOR GENERAL REFERENCE ONLY.

G. ALL ALARMS, SUPERVISORY AND DETECTION SYSTEMS SHALL BE CONNECTED TO THE NEW BUILDING FIRE ALARM CONTROL PANEL AND THIS PANEL SHALL BE INTERFACED WITH THE HOSPITAL MAIN FIRE ALARM PANEL FOR 24/7 REMOTE MONITORING STATION.

H. ANY EXISTING OR NEW PIPE OR DUCTWORK INSULATION THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REMOVED AND REPLACED WITH NEW INSULATION TO MATCH ADJACENT INSULATION AND COVERING AT THE FIRE ALARM CONTRACTOR'S EXPENSE.

I. VISUAL NOTIFICATION APPLIANCE SHALL BE LOCATED NOT MORE THAN 15 FEET FROM THE END OF A CORRIDOR WITH A SEPARATION NOT GREATER THAN 100 FEET BETWEEN APPLIANCES.

J. COORDINATE FIRE ALARM ZONES WITH SMOKE COMPARTMENTS AND SPRINKLER ZONES.

K. MANUAL FIRE ALARM PULL STATIONS SHALL BE LOCATED WITHIN 60 INCHES OF EACH EXIT DOORWAY.

L. FOR EACH GROUP OF ELEVATORS, PROVIDE A NORMALLY CLOSED CONTACT REPRESENTING THE SMOKE DETECTOR AT THE DESIGNATED LANDING.

M. THE FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS PRIOR TO CONSTRUCTION. THE EXISTING FIRE ALARM EQUIPMENT ABOVE CEILING AND WITHIN WALLS WILL NEED TO BE FIELD VERIFIED.

N. THE EXISTING BUILDING'S LOCAL FIRE ALARM CONTROL PANEL(S) SHALL REMAIN IN SERVICE AT ALL TIMES THROUGHOUT THE RENOVATION AREAS SHOWN ON THESE CONTRACT DOCUMENTS; SPECIAL PROVISIONS SHALL BE MADE BETWEEN THE FIRE ALARM CONTRACTOR AND THE ARCHITECT, THE ENGINEER AND THE COR'S REPRESENTATIVE TO DISCONNECT POWER TO THE AREAS OF THE RENOVATION TO MINIMIZE THE INTERRUPTIONS IN THE FIRE ALARM SERVICE.

O. VERIFY THAT EXISTING EQUIPMENT, I.E., TAMPER SWITCHES, WATER FLOW SWITCHES, ETC., TO REMAIN IS OPERATING PROPERLY. NOTIFY THE ARCHITECT, ENGINEER AND VA COR OF ANY DAMAGED AND/OR MALFUNCTIONING COMPONENTS.

P. COORDINATE FIRE ALARM SYSTEM MODIFICATIONS TO MINIMIZE SYSTEM IMPAIRMENT. PROVIDE FIRE WATCH AND INTERIM FIRE PROTECTION MEASURES WHERE REQUIRED BY THE AUTHORITY HAVING JURISDICTION OR THE COR.

Q. FIRE DETECTION CONTRACTOR SHALL PROVIDE ABOVE AND BELOW ALL OBSTRUCTIONS COMPLYING WITH NFPA 72.

R. UPON ACTIVATION OF FIRE ALARM RELEASE ALL DOORS ON MAGNETIC HOLD OPEN WITHIN THE SPECIFIC SMOKE ZONE SHALL CLOSE. REFER TO FA-004 FIRE ALARM INPUT/OUTPUT MATRIX.

S. THE CONTRACTOR SHALL ADHERE TO THE SEPARATION DISTANCES BETWEEN SPEAKER STROBES SHOWN ON THESE CONTRACT DRAWINGS; SINCE, PER THE VA FIRE PROTECTION DESIGN MANUAL (FPDM) SECTION 7.3.F(2)(k) THE VA FPDM CLEARLY STATES THAT " SPEAKERS MUST BE INSTALLED AND ARRANGED SO THEY ARE CLEARLY HEARD AND UNDERSTOOD BY STAFF UNDER NORMAL WORKING CONDITIONS. SPEAKER LAYOUT IS TO INSTALL THEM EVERY TWENTY-FIVE ON CENTER AND NOT TO EXPECT THEM TO CLEARLY HEARD THROUGH MORE THAN ONE WALL."

S. ALL DUCT SMOKE DETECTORS LOCATED IN THE HVAC SYSTEM SHALL BE INSTALLED BY THE MECHANICAL CONTRACTOR; AND ALL FIRE ALARM INTERFACE, BETWEEN THE DUCT SMOKE DETECTOR AND THE MAIN FIRE ALARM CONTROL PANEL, IS THE RESPONSIBILITY OF THE FIRE DETECTION CONTRACTOR/INSTALLER.

T. CONNECT DUCT SMOKE DETECTOR IN THE HVAC SYSTEM TO ACTIVATE THE FIRE ALARM SYSTEM AND SHUTDOWN OF THE HVAC SYSTEM IN THE EVENT OF SMOKE DETECTED WITHIN THE DUCTS.

U. FURNISH AND INSTALL DUCT SMOKE DETECTOR TEST STATIONS IN THE CEILING TO SHOW LOCATIONS OF DETECTOR WHEN IN ALARM OR TROUBLE INDICATION.

V. FIRE/SMOKE DAMPERS SHALL BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR AND ALL FIRE ALARM INTERFACES BETWEEN THE FIRE/SMOKE DAMPER AND THE MAIN FIRE ALARM CONTROL PANEL IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR/INSTALLER.

W. VISUAL NOTIFICATION APPLIANCE SHALL BE LOCATED NOT MORE THAN 15 FEET FROM THE END OF A CORRIDOR.

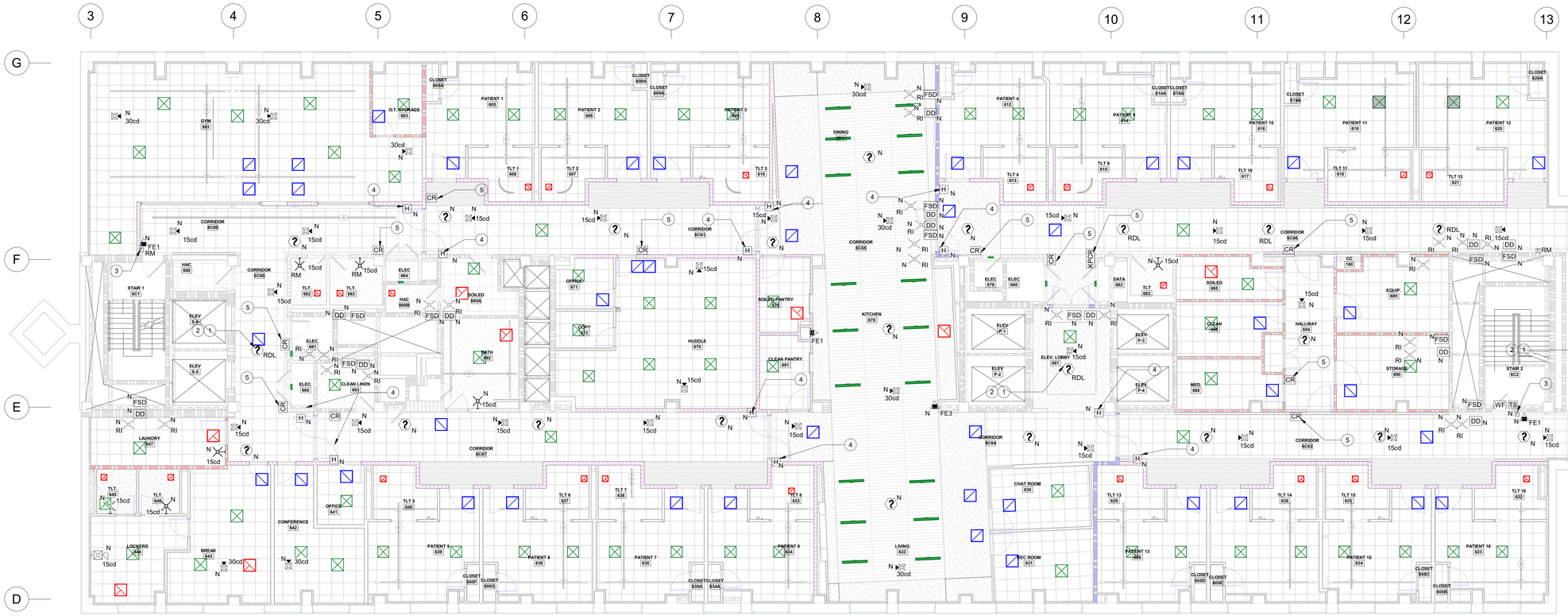
X. UPON ACTIVATION OF FIRE ALARM RELEASE ALL DOORS ON MAGNETIC HOLD OPEN WITHIN THE SPECIFIC SMOKE ZONE SHALL CLOSE. REFER TO FA-003 FIRE ALARM INPUT/OUTPUT MATRIX .

Y. VA ATLANTA HOSPITAL WILL REQUIRE THAT THE EXISTING NOTIFICATION DEVICES AND TEMPORARY HEAT DETECTORS SPECIFIED ON FA003 SHALL BE IN PLACE AND PROGRAMMED AT THE TWO MAIN FIRE ALARM CONTROL PANEL AT THE POLICE DISPATCH, TELEPHONE OPERATOR PBX AND THE ONYX COMPUTER SYSTEM WITHIN THE BOILER ROOM. EACH AND EVERY NODE, FIFTEEN IN TOTAL WILL NEED TO BE UPDATED ONCE THE HEAT DETECTORS ARE ADDED TO NODES 9 & 10. AN ACTIVE FIRE ALARM AND DETECTION SYSTEM MUST BE IN PLACE BEFORE REMOVAL AND RELOCATION OF ANY FIRE ALARM DEVICE. THEREFORE, IT IS RECOMMENDED THAT DURING THE NEW WORK ON THE SIXTH FLOOR THE LAST ITEMS TO BE MOVED SHOULD BE THE EXISTING FIRE ALARM NOTIFICATION AND DETECTION DEVICES. THE NEW NOTIFICATION, INITIATING DEVICES MUST BE PROGRAMMED AND ACCEPTED BY THE VA AND ENGINEER OF RECORD PRIOR TO RELOCATION OF THE EXISTING SMOKE DETECTORS AND SPEAKER-STROBE NOTIFICATION DEVICES. THEREFORE, THERE WILL BE TWO ROUNDS OF TESTING AND ACCEPTANCE, E.G., PRE TESTING OF ALL NEW DEVICES AND FINAL TESTING OF THE NEW AND EXISTING DEVICES IN ORDER TO VALIDATE AND CERTIFICATION OF APPROVAL OF THE SYSTEM RECORD OF COMPLETION SHOWN IN NFPA 72, FIGURE 7.8.2.

Z. THE VA ATLANTA HOSPITAL REQUIREMENTS FOR A SHUTDOWN IS THAT NO FIRE ALARM SYSTEM SHALL BE DISCONNECTED FOR MORE THAN 4 HOURS. APPROVALS OF ANY FIRE ALARM SHUTDOWN IS TO BE SUBMITTED AND APPROVED TO THE VA CHIEF ENGINEER, THE VA FIRE SAFETY OFFICIAL THE VA COR AND THE ENGINEER OF RECORD WITH DETAILED SCHEDULE CHRONICALLY ORDER OF WORK SCOPE TO BE COMPLETED BETWEEN START AND FINISH OF THE FIRE ALARM SHUTDOWN.

FIRE ALARM - NEW WORK KEYED NOTES

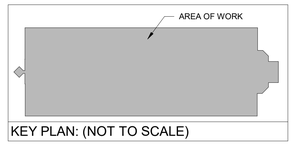
1. SMOKE DETECTOR SHALL BE LOCATED ON THE CEILING WITHIN 21 FEET OF THE CENTERLINE OF EACH ELEVATOR DOOR WITHIN THE ELEVATOR BANK THE CENTERLINE OF EACH ELEVATOR DOOR WITHIN THE ELEVATOR BANK ELEVATOR RECALL FOR FIRE FIGHTER SERVICE
2. INITIATE PHASE I RECALL TO THE PRIMARY FLOOR. PROVIDE MONITOR MODULE FOR EACH ELEVATOR.
3. MANUAL FIRE ALARM BOXES SHALL BE LOCATED WITHIN 5 FEET OF EACH EXIT DOORWAY ON EACH FLOOR MEETING NFPA 72, SECTION 17.14.8.4 AND INTERNATIONAL BUILDING CODE, SECTION 907.4.2.
4. "HOLD OPEN" DEVICES SHALL INTERFACE AND NETWORK WITH THE HOSPITAL'S MAIN FIRE ALARM CONTROL PANEL AND THOSE "HOLD OPENS" WITHIN THE SPECIFIC SMOKE ZONE SHALL CLOSE DURING ACTIVATION OF A SMOKE DETECTOR OR OTHER ALARM CONDITION WITHIN THE SPECIFIC SMOKE ZONE.
5. CARD READERS BEING PROVIDED SHALL BE INTERFACED WITH THE POWER AND FIRE ALARM SYSTEM. ALL ACCESS CONTROL DOORS WITH CARD READER ACCESS SHALL HAVE DOOR UNLOCKING CONTROL THAT SHALL MEET THE REQUIREMENTS OF NFPA 72, SECTION 25.15.4, "ELECTRICALLY LOCKED DOORS", SECTION 21.9, "ELECTRICALLY LOCKED DOORS" AND REFER TO THE REQUIREMENTS OF NFPA 101, SECTION 7.2.1.6.2, "ACCESS-CONTROLLED EGRESS DOOR ASSEMBLIES."



1 FIRE DETECTION - LEVEL 06 - NEW WORK
1/8" = 1'-0"

WALL RATING LEGEND

	2 HR FIRE RATED
	1 HR FIRE RATED
	3 HR SMOKE BARRIER
	2 HR SMOKE BARRIER
	1 HR SMOKE BARRIER
	SMOKE PARTITION



KEY PLAN: (NOT TO SCALE)

GRAPHIC SCALE
8 0 4 8 16 32
(in Feet)
1 inch = 8 ft.

Revisions:	Date:

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: FIRE DETECTION - LEVEL 06 - NEW WORK	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: FA101
		Issue Date: 9/21/2023 · Checked: GAT · Drawn: JRC	

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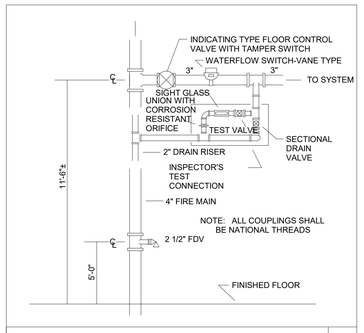
FIRE PROTECTION GENERAL NOTES

1. THE NEW SPRINKLER SYSTEM SHALL BE SIZED IN ACCORDANCE WITH NFPA 13 AND SHALL BE HYDRAULICALLY CALCULATED TO MEET THE REQUIREMENTS OF NFPA 13, NFPA 101 AND THE VA FIRE PROTECTION DESIGN MANUAL, AND APPROVED BY VA COR, VA FIRE OFFICAL AND THE ENGINEER OF RECORD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FLOW TEST DATA TO PERFORM AS A BASIS OF THEIR CALCULATIONS.
2. THE SYSTEM SHALL BE DESIGNED AND BUILT IN A WORKMANLIKE MANNER, IN ACCORDANCE WITH DETAILED DRAWINGS TO BE SUBMITTED FOR APPROVAL. THE WORK SHALL INCLUDE ALL COMPONENTS REQUIRED TO PROVIDE A COMPLETE SYSTEM.
3. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE A SET OF SHOP DRAWINGS THAT INCLUDE ALL PIPE SIZES, ELEVATIONS, HEAD LOCATIONS, DIMENSIONS, VALVES, INSPECTOR TESTS, FLOW SWITCHES, TAMPER SWITCHES, ETC.
4. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE SPRINKLER LAYOUT INCLUDING LOCATION OF PENDANT HEADS FOR ALL LOCATION IN THIS SCOPE OF WORK.
5. THE SHOP DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED TO VA COR `S ENGINEER AND THESE CALCULATIONS AND DRAWINGS SHALL BE SUBMITTED TO VA FIRE OFFICIAL.
6. SPRINKLER HEADS AND ASSOCIATED MAIN/BRANCH PIPING SHALL BE PROVIDED AND LOCATED IN ACCORDANCE WITH NFPA 13 AND VA FIRE PROTECTION DESIGN MANUAL REQUIREMENTS. IT IS THE CONTRACTOR `S RESPONSIBILITY TO CONFIRM LOCATIONS FOR COMPLIANCE WITH THE CODE REQUIREMENTS.
7. THE FIRE PROTECTION CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AT THE PROJECT SITE.
8. SPRINKLER PIPING SHOULD BE ROUTED AS HIGH AS POSSIBLE WHILE STILL COORDINATING WITH OTHER TRADES. ELEVATION OF SPRINKLER PIPING AND HEAD MUST BE DETERMINED BY PROPOSED OR EXISTING CEILING HEIGHTS.
9. ALL MATERIAL AND ITS INSTALLATION SHALL BE IN COMPLETE COMPLIANCE WITH ALL APPLICABLE SECTIONS OF THE LATEST EDITION OF NFPA, AND FACTORY MUTUAL GUIDELINES. THE FIRE PROTECTION CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH ALL SPECIAL CONDITIONS SET FORTH BY THE INSURANCE UNDERWRITER IF AND WHEN REQUIRED BY THE COR.
10. THE FIRE PROTECTION CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL AND EQUIPMENT; AND, PERFORM ALL OPERATIONS NECESSARY FOR THE INSTALLATION OF A COMPLETE FIRE PROTECTION SYSTEM THAT IS READY FOR USE WITHIN THE INTENT OF AND AS INDICATED ON THE DRAWINGS, SPECIFICATIONS AND AS HEREIN SPECIFIED.
11. PROVIDE CUTTING AND PATCHING OF BUILDING AS REQUIRED TO INSTALL NEW WORK.
12. SMALL ITEMS NOT SHOWN OR SPECIFIED, BUT OBVIOUSLY REQUIRED BY GOOD GENERAL PRACTICE TO COMPLETE THE WORK SHALL BE FURNISHED AND INSTALLED THE SAME AS IF BOTH SHOWN AND SPECIFIED.
13. BY SUBMITTING A PROPOSAL FOR THIS WORK, THE CONTRACTOR WILL BE HELD TO HAVE EXAMINED THE SITE AND SATISFIED THEMSELVES AS TO EXISTING CONDITIONS UNDER WHICH THEY WILL BE OBLIGED TO OPERATE OR THAT WILL IN ANY MANNER AFFECT THEIR WORK UNDER THIS CONTRACT. NO ALLOWANCES SHALL BE MADE SUBSEQUENTLY IN THIS CONTRACT IN BEHALF OF CONTRACTOR OF ANY ERROR OR NEGLIGENCE ON THEIR PART.
14. FIRE PROTECTION CONTRACTOR SHALL MAKE CONNECTION INTO THE EXISTING FIRE SUPPRESSION WATER MAIN.
15. THE FIRE PROTECTION CONTRACTOR SHALL NOTIFY THE VA FIRE MARSHAL, THE ENGINEER, THE ARCHITECT, CONTRACTOR AND GENERAL CONTRACTOR ONE WEEK PRIOR TO ANY SHUTDOWNS OR INTERRUPTIONS OF SERVICE.
16. WHERE SO INDICATED ON THE PLANS AS PART OF THE PROJECT SCOPE OF WORK, THE FIRE PROTECTION CONTRACTOR SHALL MAKE CONNECTION INTO THE EXISTING FIRE SERVICE WATER SYSTEM.
17. THE FIRE PROTECTION CONTRACTOR SHALL SCHEDULE WITH THE VA COR ALL TIE-INS TO EXISTING SYSTEMS AND PERFORM REQUIRED SHUTDOWN AND RE-INITIALIZATION OF THE EXISTING FIRE SPRINKLER SYSTEM; THESE SERVICES WILL INCLUDE DRAIN AND REFILL OF THE FIRE SPRINKLER SYSTEMS IN THE AFFECTED AREAS OF THIS PROJECT WORK SCOPE.
18. ALL FIRE PROTECTION WORK SHALL BE MADE IN ACCORDANCE WITH RULES AND REGULATIONS OF THE VA FIRE PROTECTION DESIGN MANUAL, NFPA 13 , NFPA 25 AND NFPA 101. THE ENTIRE FIRE PROTECTION SYSTEM FOR THE WORK SCOPE SHOWN ON THESE DESIGN DRAWINGS SHALL BE MADE BY THIS CONTRACTOR IN THE PRESENCE OF THE VA COR, VA FIRE OFFICAL AND THE ENGINEER OF RECORD. THE FIRE PROTECTION SYSTEM SHALL BE TESTED AS REQUIRED BY NFPA 13 AND NFPA 25.
19. THROUGH PENETRATION ASSEMBLIES SHALL BE PROVIDED AT EACH OPENING WHERE EXPOSED SPRINKLER PIPING PASS THROUGH RATED WALLS, FLOORS AND PARTITIONS. ALL PIPING PENETRATIONS MUST BE SEALED IN ACCORDANCE WITH " UL " LISTING SEALING METHOD AND/OR AS DETAILED IN THESE CONTRACT DRAWINGS OR SPECIFICATIONS.
20. ALL APPLIANCES AND APPURTENANCES SHALL BEAR LABEL OF UL/FM APPROVED AND LABELED FOR ITS INTENDED USE.
21. ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED AND COMPLETED IN A FIRST-CLASS WORKMANLIKE MANNER AND IN ACCORDANCE WITH THE BEST MODERN METHODS AND PRACTICES. ANY MATERIALS WHICH SHALL NOT PRESENT AN ORDERLY AND REASONABLY NEAT AND/OR WORKMANLIKE APPEARANCE SHALL BE REMOVED AND REPLACED WHEN SO DIRECTED BY THE ARCHITECT OR ENGINEER OF RECORD. THE REMOVAL AND REPLACEMENT OF THIS WORK SHALL BE DONE WHEN DIRECTED IN WRITING BY THE ARCHITECT, AT THE CONTRACTOR ` S EXPENSE.
22. ALL HANGERS SHALL BE FASTENED BY MEANS OF BEAM CLAMPS, CONCRETE INSERTS OR OTHER APPROVED DEVICES INSTALLED BY THIS CONTRACTOR.
23. SPRINKLER HEAD RATINGS, SPRAY TYPE, AND FINISH SHALL BE AS SPECIFIED ON PROJECT PLANS. WHERE NOT SPECIFICALLY IDENTIFIED ON PLANS, SPRINKLER HEADS SHALL QUICK RESPONSE TYPE UPRIGHT PENDANT WITH PAINTED COVER PLATE OR AS REQUIRED BY THE COR. REGULAR PENDANT HEADS IN FINISHED SPACES SHALL BE CHROME PLATED WITH CHROME PLATED CEILING PLATES UNLESS OTHERWISE NOTED. NEW HEADS SHALL MATCH EXISTING.
24. THE FIRE PROTECTION CONTRACTOR WILL BE REQUIRED TO COORDINATE ACCEPTANCE FOR VARIATION OF EQUIPMENT LOCATIONS AND EQUIPMENT CONFIGURATIONS WITH THE COR, AND THE GENERAL CONTRACTOR.
25. THE FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR COORDINATING CHANGES IN ELECTRICAL REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.
26. VARIATION FROM SPECIFIED PHYSICAL EQUIPMENT APPEARANCE WILL NEED TO BE APPROVED THROUGH THE ARCHITECT.
27. SYSTEM PIPING WILL BE SUPPORTED AND BRACED WITH HANGERS AND LISTED EARTHQUAKE BRACE ASSEMBLIES IN ACCORDANCE WITH THE VA SEISMIC DESIGN REQUIREMENTS AND AND NFPA 13.
28. AUTOMATIC SPRINKLER SYSTEM SHALL BE SUPERVISED AND INTERFACE WITH FIRE ALARM SYSTEMS.
29. ONE SET OF STAMPED, APPROVED DRAWINGS SHALL BE ON SITE AT ALL TIMES AND MADE AVAILABLE TO THE INSPECTOR AND/OR ARCHITECT/COR UPON DEMAND.
30. FIRE PROTECTION SYSTEMS SHALL BE INSTALLED BY A CONTRACTOR LICENSED TO PERFORM SUCH WORK IN THE PROJECT JURISDICTION.
31. AVOID DAMAGING EXISTING SURFACES AND EQUIPMENT AND ASSOCIATED MATERIALS FROM THE SITE. REPAIR ANY DAMAGE CAUSED DURING WORK AT NO EXTRA COST TO THE COR.
32. REPAIR FIRE AND SMOKE RATED PARTITIONS SURROUNDING FIRE ALARM WORK AS SPECIFIED. REFER TO ARCHITECTURE PLANS FOR LOCATIONS OF SMOKE AND FIRE PARTITIONS.
33. THREADED BUSHING SHALL NOT BE USED.
34. REUSE OF ANY SPRINKLER HEAD THAT IS REMOVED FROM SERVICE IS NOT ACCEPTABLE; REFER TO NFPA 25, SECTION 5.4.1.1.
35. NEW ARMOVERS SHALL BE PROVIDED TO EITHER RELOCATED OR NEW SPRINKLERS AS REQUIRED BY NFPA 13.
36. SPRINKLER SYSTEM SHOP DRAWINGS SHALL INCLUDE ALL MATERIALS REQUIRED BY NFPA 13 CHAPTER 28.
37. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS AND CEILING AS MAY BE REQUIRED FOR THE INSTALLATION OF THE NEW FIRE SUPPRESSION SYSTEM.
38. INTERRUPTIONS IN OPERATION OF THE FIRE SUPPRESSION SYSTEM MUST BE SCHEDULED WITH THE COR IN ADVANCE; WITH PROPER NOTICE PROVIDED TO THE EMERGENCY RESPONSE TEAMS - BOTH INSIDE AND OUTSIDE OF THE FACILITY.
39. WHEN WORK IS BEING PERFORMED IN AREAS THAT MUST CONTINUE OPERATION, CONTRACTOR SHALL KEEP THE AREAS CLEAN AND CLEAR OF OBSTRUCTIONS, AS MUCH AS POSSIBLE, PROVIDE WARNING SIGNS AS NECESSARY FOR PROTECTION OF OCCUPANTS FROM ASSOCIATED RISKS. REMOVE ALL DEBRIS AS WORK PROGRESSES.
40. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PRESENT THE VA COR WITH A REPORT CONFIRMING PROPER TESTING OF ALL NEW AND EXISTING DEVICES IN THE PROJECT ZONE; ALONG WITH APPROPRIATE SELECTED TESTING OF THE MAIN FIRE SUPPRESSION SYSTEM TO CONFIRM CONTINUED PROPER OPERATION. A CERTIFICATE OF APPROVAL FROM THE APPROPRIATE AGENCY INSPECTION AGENT WILL BE REQUIRED PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.
41. THE PIPING SCHEMATIC INDICATED BY THE DRAWINGS REPRESENTS THE SCOPE AND INTENT OF THE FIRE PROTECTION SYSTEM; HOWEVER THE SPRINKLER CONTRACTOR SHALL PROVIDE A COMPLETE SPRINKLER SYSTEM PER NFPA 13, NFPA 25, NFPA 101 AND THE VA FIRE PROTECTION DESIGN MANUALREQUIREMENTS.
42. LIGHT FIXTURES AND HVAC DIFFUSERS TAKE SPACE PREFERENCE, ADD ADDITIONAL SPRINKLER HEADS AS REQUIRED TO MEET "COVERAGE REQUIREMENTS".
43. THE FIRE SUPPRESSION CONTRACTOR SHALL LOCATE SPRINKLER HEADS IN CEILING AS FOLLOWS. ALL HEADS SHALL BE LOCATED IN THE CENTER OF THE TILES (2'X2') OR IN THE CENTER OF ONE QUADRANT (2'X4') IN GYP. BOARD CEILING. SPRINKLER HEADS SHALL BE LOCATED IN SYMMETRICAL PATTER RELATIVE TO OTHER DEVICES LOCATED IN THE CEILING.
44. COORDINATE PLACEMENT OF SPRINKLER HEADS WITH ALL MECHANICAL DUCTS, DIFFUSERS AND ELECTRICAL LIGHT FIXTURES.
45. THE FIRE PROTECTION CONTRACTOR SHALL INDICATE ON THEIR SHOP DRAWINGS; CEILING TILE LOCATIONS WITH ALL CEILING MOUNTED FIRE PROTECTION DEVICES.
46. WALL PENETRATIONS THROUGH NON-RATED PARTITIONS SHALL BE PROVIDED WITH A NON-SHRINKING GROUT OR CAULKING MATERIAL.
47. THE FIRE PROTECTION SYSTEM / AREA OF PROTECTION INDICATED ON THE PLANS IS FOR COORDINATION AND BIDDING PURPOSES ONLY. THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE DESIGN
48. ALL PIPING SYSTEMS THAT ARE NOT INTENDED TO BE REUSED SHALL BE REMOVED AND PIPES SHALL BE CAPPED AS CLOSE TO MAINS AS POSSIBLE.
49. IT IS THE INTENTION OF THE SPECIFICATION AND DRAWINGS TO CALL FOR A COMPLETE AND FUNCTIONAL SYSTEM, INSTALLED AS PER NFPA 13, NFPA 25, NFPA 101 AND THE VA FIRE PROTECTION DESIGN MANUAL WITH ALL FINISHED WORK TESTED AND READY FOR OPERATION.
50. THE FIRE PROTECTION CONTRACTOR SHALL NOTIFY THE VA COR, VA COR'S REPRESENTATIVE, FIRE ALARM CONTRACTOR, ARCHITECT AND GENERAL CONTRACTOR ONE WEEK PRIOR TO ANY SHUTDOWN OR INTERRUPTION OF SERVICE.
51. ALL MATERIALS, PIPING, FITTINGS, VALVES, AND APPLIANCES HEREINAFTER SPECIFIED AND THOSE WHICH ARE ESSENTIAL BUT HAVE NOT BEEN SPECIFIED SHALL BE NEW AND OF THE HIGHEST GRADE AND QUALITY, FREE FROM DEFECTS AND SUCH AS BREAKS, FLAWS, AND IMPERFECTIONS.
52. CORE DRILL MASONRY WALLS FOR NEW PIPING. SEAL PENETRATIONS AS NECESSARY TO MAINTAIN INTEGRITY OF EXISTING WALLS.
53. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS AND CEILING AS MAY BE REQUIRED FOR THE INSTALLATION OF THE NEW FIRE SUPPRESSION SYSTEM.
54. ALL APPLIANCES AND APPURTENANCES SHALL BEAR LABEL OF UL/FM APPROVED AND LABELED FOR ITS INTENDED USE.
55. LONG RUNS OF PIPE SHALL BE PROVIDED WITH A SUITABLE MEANS TO PERMIT FREE MOVEMENT RESULTING FROM EXPANSION AND CONTRACTION OF PIPE; REDUCTION IN PIPE SIZES SHALL BE MADE WITH ONE-PIECE REDUCTION FITTINGS.
56. THE FIRE PROTECTION CONTRACTOR IS TO MAINTAIN A SET OF UP TO DATE CONSTRUCTION DOCUMENTS AVAILABLE AT THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION. THE FIRE PROTECTION CONTRACTOR IS TO INSTRUCT THE COR'S REPRESENTATIVE(S) IN THE OPERATION AND MAINTENANCE REQUIREMENTS OF THE COMPLETED BUILDING FIRE PROTECTION SYSTEM AT A TIME AGREED ON BY THE COR. THE COR'S REPRESENTATIVE(S) SHALL BE PROVIDED WITH AN UP TO DATE CONSTRUCTION DOCUMENTS AND A COPY OF NFPA 25 PRIOR TO INSTRUCTION BY THIS CONTRACTOR.
57. THIS FIRE SUPPRESSION CONTRACTOR SHALL COORDINATE WITH OTHER WORK, INCLUDING HVAC, PLUMBING PIPING, ELECTRICAL AS NECESSARY TO INTERFACE COMPONENTS OF FIRE SPRINKLER PIPING PROPERLY WITH OTHER WORK. SYSTEM PIPING WILL BE SUPPORTED AND BRACED WITH HANGERS AND LISTED EARTHQUAKE BRACE ASSEMBLIES IN ACCORDANCE WITH THE VA SEISMIC DESIGN REQUIREMENTS AND NFPA 13.
58. IT SHALL BE THE RESPONSIBILITY OF THE FIRE SUPPRESSION CONTRACTOR TO REMOVE AND LEGALLY DISPOSE OF DEMOLISHED MATERIALS UNLESS NOTED OTHERWISE IN THE DRAWINGS.
59. ALL WALL AND FLOOR PENETRATIONS SHALL BE CORE-DRILLED AND SLEEVED.
60. UNLESS INDICATED OTHERWISE IN THE DRAWINGS OR SPECIFICATIONS, FIRE SUPPRESSION CONTRACTOR IS RESPONSIBLE FOR SEALING ALL FIRE RATED WALL PARTITIONS WITH UL LISTED MATERIAL AND METHODS.
61. WALL PENETRATIONS THROUGH NON-RATED PARTITIONS SHALL BE PROVIDED WITH A NON-SHRINKING GROUT OR CAULKING MATERIAL AND APPROVED ASSEMBLY.
62. BEFORE SUBMITTING A PROPOSAL FOR THE WORK, EACH BIDDER WILL BE HELD RESPONSIBLE TO HAVE EXAMINED THE EXISTING SITE CONDITIONS FOR THE WORK INCLUDED UNDER THIS CONTRACT. NO ALLOWANCE WILL BE MADE SUBSEQUENTLY IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.
63. THE FIRE SUPPRESSION CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE DESIGN OF THE FIRE PROTECTION SYSTEM AND SHALL PROVIDE SEALED SHOP DRAWINGS. SPRINKLER SYSTEM PLANS AND CALCULATIONS SHALL BE SEALED BY AN PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE WORK IS TO OCCUR, OR SEALED BY A NICET LEVEL III OR LEVEL IV SPRINKLER DESIGNER CERTIFIED IN "WATER BASED SYSTEMS LAYOUT". DRAWINGS SHALL BE SEALED IN ACCORDANCE WITH REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.
64. THE FIRE SUPPRESSION SYSTEM AREA OF PROTECTION INDICATED ON THE PLANS IS FOR COORDINATION AND BIDDING PURPOSES ONLY. THE FIRE SUPPRESSION CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE DESIGN.
65. ALL HANGERS MUST BE FM APPROVED AND UL LISTED TYPE BY NFPA 13. NO SPRINKLER PIPING IS TO BE SUPPORTED FROM ANY MECHANICAL OR ELECTRICAL DEVICES. ALL PIPE SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE IN A NEAT AND WORKMANLIKE MANNER. VERTICAL RISERS SHOULD BE SUPPORTED AT EACH FLOOR LEVEL WITH STEEL PIPE CLAMPS. HANGING PIPES FROM OTHER PIPES WILL BE NOT PERMITTED. PIPING SHALL BE CAREFULLY COORDINATED BEFORE INSTALLATION WITH OTHER SYSTEMS AND EQUIPMENT IN CHASES AND OTHER CONGESTED AREAS. MAXIMUM DISTANCES BETWEEN PIPE SUPPORTS SHALL MEET THE REQUIREMENT STATED IN NFPA 13, CHAPTER 17. TITLED "MAXIMUM DISTANCE BETWEEN HANGERS (FT-IN)."
66. NO MORE THAN ONE ZONE SHALL BE ALLOWED TO CONTROL ONE SPACE. ONLY ONE ZONE CONTROL VALVE SHALL ISOLATE ANY ONE PORTION OF A SYSTEM.
67. WATER FLOW IN ONE ZONE SHALL NOT CAUSE FIRE ALARMS IN OTHER ZONES. PROVIDE WATER FLOW ALARM SWITCHES WITH RETARD MECHANISM.
68. THE CONTROL VALVE UTILIZED IN THE STAIRWELLS ON EACH FLOOR SHOULD BE OF THE INDICATING TYPE THAT IS READILY VISIBLE TO AN OBSERVER AT FLOOR LEVEL AS TO WHETHER THE VALVE IS OPEN OR CLOSED.
69. VERIFY THAT ALL TAMPER SWITCHES AND FLOW SWITCHES ARE CONNECTED TO A UL APPROVED FACP BY THE FIRE DETECTION CONTRACTOR.
70. ALL VALVES SHALL BE MADE TAMPER RESISTANT. ELECTRICAL SUPERVISION SHALL BE REQUIRED ON ALL SPRINKLER CONTROL VALVES. INDICATOR VALVES SHALL BE MADE EASILY READABLE AND READILY ACCESSIBLE.
71. EACH SPRINKLER ZONES IS TO BE PROVIDED WITH A DEDICATED CONTROL VALVE, TAMPER SWITCH AND AN INSPECTOR'S TEST.
72. TAMPER SWITCHES ON OS&Y TYPE VALVES MUST NOT DISTORT OR CHANGE SWITCH SETTINGS AS THEIR BOLTS ARE SECURELY FASTENED. NO "J-BOLT" MOUNTS WILL BE PERMITTED.
73. MAINTAINABILITY
    A. EXTERNAL AND INTERNAL PARTS SHALL BE ARRANGED SO THAT WHEN INSTALLED, ALL PARTS REQUIRING MANIPULATION, OBSERVATION, AND/OR MAINTENANCE ARE READILY ACCESSIBLE AND SAFE FOR OPERATION AND MAINTENANCE PERSONNEL, WHEREVER PRACTICAL. VALVES AND INSTRUMENTS SHALL BE LOCATED SUCH THAT THEY CAN BE OPERATED AND EASILY ACCESSED FROM GRADE LEVEL.
    B. MAINTAINABILITY SHALL BE INCORPORATED INTO THE DESIGN OF ALL CONTRACTOR SUPPLIED EQUIPMENT. THE PRIMARY MAINTAINABILITY OBJECT SHALL BE TO MINIMIZE THE COMPLEXITY AND TIME REQUIRED FOR MAINTENANCE. THE FOLLOWING GENERAL CRITERIA SHALL BE FOLLOWED TO ACHIEVE THIS OBJECTIVE:
        1. CONTRACTOR SUPPLIED EQUIPMENT SHALL BE LOW MAINTENANCE DESIGN AND SHALL BE EASILY MAINTAINABLE.
        2. CONTRACTOR SUPPLIED EQUIPMENT SHALL BE DESIGNED TO BE MAINTAINED IN PLACE, IF POSSIBLE, WITH MINIMUM DISASSEMBLY OF SURROUNDING EQUIPMENT AND MINIMUM USAGE OF TEMPORARY SCAFFOLDING AND HANDLING EQUIPMENT.
74. DEVICES SHOWN ON THIS PLAN ARE NEW, UNLESS OTHERWISE NOTED.
75. DRAWING ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW EACH AND EVERY SPRINKLER HEAD, BRANCH PIPING, DEVICES, FITTINGS, VALVES OR COMPLETE DETAIL OF ALL THE WORK TO BE PERFORMED, BUT ARE FOR THE PURPOSES OF ILLUSTRATING THE TYPE OF SYSTEM AND CONDITIONS NECESSARY FOR AN EXPERIENCED TRADESMAN TO LAYOUT HIS WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SUCH SITE OBSERVATIONS AND MEASUREMENTS AS NECESSARY TO PROPERLY COMPLETE THE WORK.
76. WHERE WORK IS BEING PERFORMED IN AREAS THAT MUST CONTINUE NORMAL OPERATION, CONTRACTOR SHALL KEEP THE AREAS CLEAN AND CLEAR OF OBSTRUCTIONS, AND AS MUCH AS POSSIBLE, PROVIDE WARNING SIGNS AS NECESSARY FOR PROTECTION OF OCCUPANTS FROM ASSOCIATED RISKS. REMOVE ALL DEBRIS AS WORK PROGRESSES.
77. THE PIPING SCHEMATIC INDICATED BY THE DRAWINGS REPRESENTS THE SCOPE AND INTENT OF THE FIRE PROTECTION SYSTEM; HOWEVER THE SPRINKLER CONTRACTOR SHALL PROVIDE A COMPLETE SPRINKLER SYSTEM PER NFPA 13, NFPA 25, NFPA 101, VA FIRE PROTECTION DESIGN MANUAL AND VA FIRE OFFICIAL REQUIREMENTS.
78. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR COORDINATION OF SPRINKLER LOCATIONS WITH CEILING HEIGHTS AND TYPES. LOCATE SPRINKLER HEADS THROUGHOUT ALL AREAS AS REQUIRED BY NFPA 13, AND VA FIR PROTECTION DESIGN MANUAL. COORDINATE SPRINKLER HEAD LOCATIONS WITH ALL OTHER TRADES BUT NOT LIMITED TO THE FOLLOWING: LIGHTS, STRUCTURAL SUPPORTS, BOOM, SPECIAL SYSTEMS, SMOKE DETECTORS, FIRE ALARM INDICATION DEVICES, HVAC DIFFUSERS, ETC. OBTAIN ARCHITECT'S, ENGINEER AND/OR APPROVAL OF ALL SPRINKLER HEAD LOCATIONS.
79. ALL SPRINKLER HEAD PIPE ROUTING AND ELEVATIONS SHALL BE COORDINATED WITH ALL OTHER TRADES INCLUDING BUT NOT LIMITED TO THE FOLLOWING: CEILINGS, STRUCTURAL STEEL AND SUPPORTS, HVAC DUCTWORK, CABLE TRAYS, CONDUIT, SPECIAL SYSTEMS, CONTROLS, ETC.
80. THE AUTOMATIC SPRINKLER CONTRACTOR IS TO PROVIDE ALL NECESSARY OFFSETS, RISES OR DROPS IN THE PIPING AND AUXILIARY DRAINS AS REQUIRED TO INSTALL COMPLETELY COORDINATED SPRINKLER SYSTEM. HYDRAULIC CALCULATIONS SHALL BE ORIGINATED AT THE FIRE PUMP AS A MINIMUM FOR FACILITIES THAT POSSES A FIRE PUMP OR AT LOCATION OF FIRE HYDRANT FLOW TEST.
81. SPRINKLER HEADS SHALL BE LOCATED A MINIMUM OF TWO (2) FOOT DISTANCE FROM A SIDE WALL-MOUNTED OR CEILING MOUNTED DIFFUSER USING AN ORDINARY TEMPERATURE SPRINKLER HEAD. SPRINKLER HEADS SHALL BE LOCATED A MINIMUM OF THREE (3) FOOT DISTANCE FROM THE FRONT OF A WALL-MOUNTED HOT AIR DIFFUSER.
82. SPRINKLER HEADS SHALL BE LOCATED A MINIMUM OF 18 INCHES FROM ANY LIGHT FIXTURE USING AN ORDINARY TEMPERATURE SPRINKLER HEAD. IT IS PREFERRED THAT THE CONTRACTOR MAINTAINS A TWO (2) FOOT SPACING BETWEEN THE LIGHT FIXTURE AND SPRINKLER HEAD.
83. SPRINKLER PLANS AS SHOWN ARE FOR BIDDING PURPOSES ONLY. SPRINKLER CONTRACTOR IS TO OBTAIN CURRENT HYDRANT TEST OR FIRE PUMP TEST DATA AND PROVIDE HYDRAULIC CALCULATIONS FOR SYSTEM PIPE SIZING IN ACCORDANCE WITH NFPA 13 AND THE VA FIRE PROTECTION DESIGN MANUAL. CONTRACTOR IS TO SUBMIT SHOP DRAWINGS INDICATING HYDRAULIC CALCULATIONS, PIPING LAYOUT & SIZING. ALL WORK IS TO BE DONE IN ACCORDANCE WITH NFPA 13, NFPA 25, NFPA 101, NFPA 291 AND THE VA FIRE PROTECTION DESIGN MANUAL.
84. SPRINKLER CONTRACTOR SHALL MAINTAIN SUPERVISION OF EXISTING SPRINKLER SYSTEM AT ALL TIMES AND SHALL COORDINATE TRANSFER OF SYSTEM WITH VA COR AND ENGINEER OF RECORD.
85. CONFLICTS BETWEEN NATIONALLY RECOGNIZED CODES AND THE VA DESIGN REQUIREMENTS SHOULD A CONFLICT EXIST BETWEEN THE VA REQUIREMENTS AND THE VA ADOPTED CODES, THE CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND VA. THE RESOLUTION OF THE CONFLICT SHALL BE MADE BY THE CONSISTENT SYSTEM WIDE DESIGN.
86. HYDRAULIC CALCULATIONS SHALL BE ORIGINATED AT THE LOCATION OF THE EXISTING HOSPITAL'S FIRE PUMP TO BE PERFORMED BY THE CONTRACTOR AS THEIR DESIGN INPUTS. A NEW FIRE PUMP TEST AT 0%, 100% AND 150% SHALL BE PERFORMED BY THIS CONTRACTOR AND SHALL BE SUBMITTED AND USED AS A DESIGN INPUT TO THE HYDRAULIC CALCULATIONS.
87. ALL MAINS AND CONTROL VALVES, INCLUDING THE WATER SUPPLY CONTROL VALVES, SHALL HAVE A SIGN INDICATING THE PORTION OF THE SYSTEM THAT IS CONTROLLED BY THE VALVE AND THAT VALVE SHALL HAVE A IDENTIFICATION / VALVE TAG NUMBER. ALL ISOLATION VALVES SHALL BE ELECTRONICALLY SUPERVISED BY TAMPER/WATER FLOW SWITCHES AND THEY SHALL INTERFACE WITH THE FIRE ALARM/FIRE DETECTION SYSTEM.
88. THE FIRE SUPPRESSION CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE DESIGN OF THE FIRE PROTECTION SYSTEM AND SHALL PROVIDE SEALED SHOP DRAWINGS. SPRINKLER PLANS AND CALCULATIONS SHALL BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA OR A NICET LEVEL III OR LEVEL IV SPRINKLER DESIGNER.
89. THE CONTROL VALVE UTILIZED IN THE STAIRWELLS ON EACH FLOOR SHOULD BE OF THE INDICATING TYPE THAT IS READILY VISIBLE TO AN OBSERVER AT THE FLOOR LEVEL AS TO WHETHER THE VALVE IS OPEN OR CLOSED.
90. ALL VALVES SHALL BE MADE TAMPER RESISTANT. ELECTRICAL SUPERVISION SHALL BE REQUIRED ON ALL SPRINKLER CONTROL VALVES. INDICATOR VALVE SHALL BE MADE READABLE AND READILY ACCESSIBLE.
91. EACH SPRINKLER ZONE IS TO BE PROVIDED WITH A DEDICATED CONTROL VALVE, TAMPER SWITCH AND AN INSPECTOR TEST.
92. ALL SPRINKLER HEADS SHALL BE QUICK RESPONSE PENDENT TYPE HEADS AND IF IN THE EXISTING BUILDING THERE IS A DIFFERENT TYPE THEN ALL SPRINKLER HEADS SHALL BE OF QUICK RESPONSE TYPE. CONTRACTOR SHALL VERIFY EXISTING SPRINKLER HEAD TYPE BEFORE WORK BEGINS.
93. WET PIPE SYSTEMS FOR THE SCOPE OF WORK AREA SHALL MEET THE FOLLOWING REQUIREMENT:
    A. WET PIPE SYSTEM SPRINKLER PIPES SHALL BE PERMITTED TO BE INSTALLED LEVEL MEETING THE REQUIREMENTS OF NFPA 13, 2022 EDITION, SECTION 16.10.2.
    B. ANY TRAPPED PIPING WHERE THE BRANCH LINES OR MAINS ARE LOCATED AT A LEVEL THAT CAN NOT BE DRAINED AT THE WET PIPE ASSEMBLY DRAIN VALVE(S) SHALL MEET THE REQUIREMENTS OF NFPA 13, 2022 EDITION, SECTION 16.10.5 AND VA FIRE PROTECTION DESIGN MANUAL, SECTION 6.1.P.
        a. THE AUXILIARY DRAIN PIPING SHALL BE A MINIMUM SIZE OF 2-INCH TO ACCOMMODATE DISCHARGE FROM FULL FLOW TESTS AT MAXIMUM SYSTEM PRESSURE AT THE EXTERIOR. DESIGN EXTERIOR DRAINS TO PREVENT FLOODING OR DAMAGE TO LANDSCAPING AND TO PREVENT WETTING OF WALKWAYS.
94. THIS CONTRACTOR IS RESPONSIBLE FOR SUBMISSION OF CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR ABOVEGROUND PIPING MEETING NFPA 13, FIGURE 29.1 TO THE VA COR AND THE ENGINEER OF RECORD FOR REVIEW AND COMMENT BY THE VA AND ENGINEER OF RECORD. THE CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR ABOVEGROUND PIPING MUST BE DATED, PRINTED NAME OF INDIVIDUALS WHO SIGNED THE SYSTEM RECORD OF COMPLETION AND SIGNATURES. ALL TEST MUST BE COORDINATED WITH THE VA COR, VA FIRE SAFETY OFFICIAL AND THE ENGINEER OF RECORD. SIGNATURES BY NON VA FIRE OFFICIALS WILL NOT BE ACCEPTED.
95. ALL PIPING, SPRINKLER HEADS, AND SPRINKLER WORK SHALL BE COORDINATED TO THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PIPING SHALL BE CONCEALED, EXCEPT WHERE SO INDICATED OR WHERE ABSOLUTELY NECESSARY TO BE EXPOSED. EXPOSED PIPING SHALL BE PLACED AS APPROVED BY THE VA FIRE OFFICIAL AND THE ENGINEER OF RECORD, PRIOR TO INSTALLATION. SPRINKLER HEADS SHALL BE FULLY COORDINATED WITH ARCHITECTURAL REFLECTED CEILING PLAN.
96. THE LOCATION OF THE FIRE SPRINKLER HEADS SHALL BE COORDINATED WITH CEILING LAYOUT AND ALL OTHER TRADES FOR COMPLETE FIRE PROTECTION COVERAGE OF ALL AREAS. PROVIDED DETAILED PLANS FOR APPROVAL BY THE VA FIRE OFFICIAL, AND THE ENGINEER OF RECORD, PRIOR TO INSTALLATION .

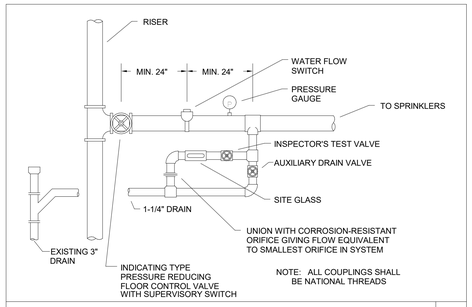
FIRE PUMP YEARLY TEST

ELECTRIC FIRE PUMP

1. PUMP:
   A. PUMP MANUFACTURER: ITT INDUSTRIES
   B. SERIAL NUMBER: 00-033102-01-01
   C. MODEL NUMBER: 8100
   D. GPM: 1000
   E. PSI: 40
   F. SUCTION: 8 INCHES
   G. DISCHARGE: 6 INCHES
2. PUMP DRIVER:
   A. MANUFACTURER: US MOTORS
   B. MODEL: S747A
   C. SERIAL NUMBER: C05 01040052-008R-03
   D. HP: 25
   E. R



TYPICAL FLOOR CONTROL VALVE DETAIL NTS 13



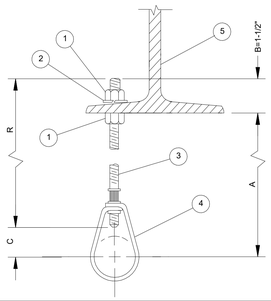
FLOOR CONTROL VALVE DIAGRAM 10

Components:

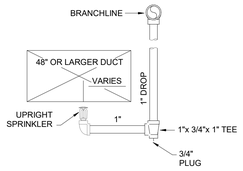
1. Hex Nut
2. Lock Washer
3. Hanger Rod
4. Adjustable Hanger Ring
5. Steel Beam or Bar Joist

DESIGN DATA FOR BEAM HANGER

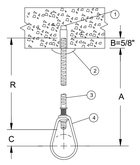
Nominal Pipe Size	Minimum A Dimension inches	Hanger Takeout inches	Rod Diameter inches
1/2	3	+1/4	3/8
3/4	3	+1/4	3/8
1	3	+1/4	3/8
1 1/4	3 1/4	+0	3/8
1 1/2	3 1/2	+0	3/8
2	3 3/4	-1/4	3/8
2 1/2	4 3/4	-3/4	3/8
3	5	1	3/8
4	5 3/4	-1 1/2	3/8
5	6 1/2	-2 1/4	1/2
6	7 1/2	-3	1/2
8	9	-4 1/2	1/2



BEAM PIPE HANGER NTS 3



UNDER DUCT SPRINKLER DETAIL NTS 12



COMPONENTS
1. DROP-IN ANCHOR
2. SPRING CLIP CEILING PLATE (OPTIONAL)
3. HANGER ROD
4. ADJUSTABLE HANGER RING
5. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A LICENSED STRUCTURAL ENGINEER ON ALL HANGERS THAT PENETRATE CONCRETE STRUCTURES AND THIS CONTRACTOR SHALL SUBMIT CALCULATIONS AND COMPLIANCE LETTER MEETING NFPA 13 REQUIREMENTS WITH THE PROFESSIONAL ENGINEER'S SEAL, SIGNATURE AND DATE. ENGINEER SHALL BE LICENSED AS A PROFESSIONAL ENGINEER IN THE STATE WHERE THE WORK SHALL OCCUR.

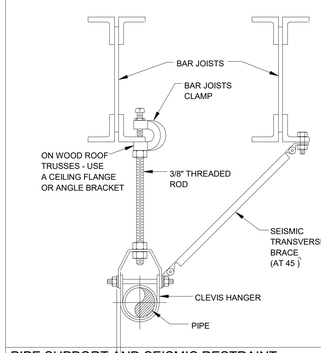
DESIGN DATA FOR CONCRETE HANGERS

NOMINAL PIPE SIZE	MINIMUM A DIMENSION	HANGER TAKEOUT	ROD DIAMETER	FASTENERS QTY	FASTENERS ITEMS
	INCHES				
1/2	3	-1/2	3/8	1	3/8" DROP-IN ANCHOR - HILTI HDI 3/8"
3/4	3	-1/2	"		"
1	3	-1/2	"		"
1 1/4	3 1/4	-3/4	"		"
1 1/2	3 1/2	-1	"		"
2	3 3/4	-1 1/4	"		"
2 1/2	4 3/4	-1 3/4	"		"
3	5	-2	"		"
4	5 3/4	-2 1/2	"		"
5	6 1/2	-3	1/2	1	1/2" DROP-IN ANCHOR - HILTI HDI 1/2"
6	7 1/2	-3 3/4	"		"
8	9	-5 1/4	"		"

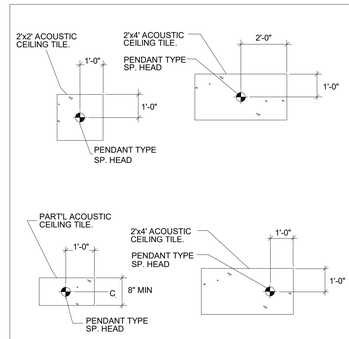
* DRILL BIT SIZES REQUIRED: 1/2" FOR THE 3/8" ANCHOR AND 5/8" FOR THE 1/2" ANCHOR. A MINIMUM CONCRETE SLAB THICKNESS OF 4" IS RECOMMENDED.

CONCRETE PIPE HANGER NTS 9

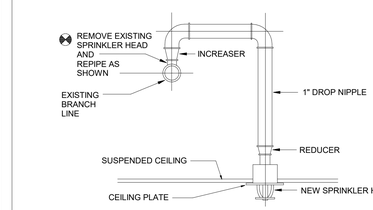
NOTE:
PROVIDE SEISMIC RESTRAINTS FOR PIPING AS FOLLOWS:
- 1" & 1-1/2" PIPES: 20 FT. ON CENTER
- 2" & 2-1/2" PIPES: 30 FT. ON CENTER
- 3" , 4" & 6" PIPES: 40 FT. ON CENTER



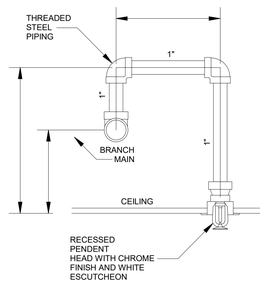
PIPE SUPPORT AND SEISMIC RESTRAINT - HORIZONTAL PIPING NTS 7



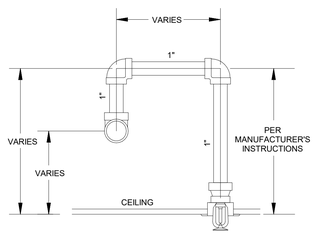
SPRINKLER HEAD LOCATION NTS 5



SPRINKLER HEAD DETAIL NTS 2

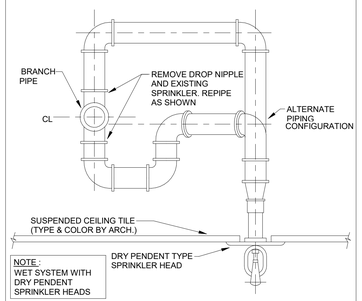


ARM OVER WITH RECESSED PENDENT HEAD NTS 11



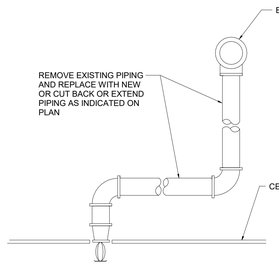
QUICK RESPONSE RECESSED DRY PENDENT FOR ALL DRY SPRINKLER AREAS OR AS NOTED. PROVIDE CHROME HEAD AND CHROME ESCUTCHEON.

TYPICAL RETURN BEND DETAIL NTS 8

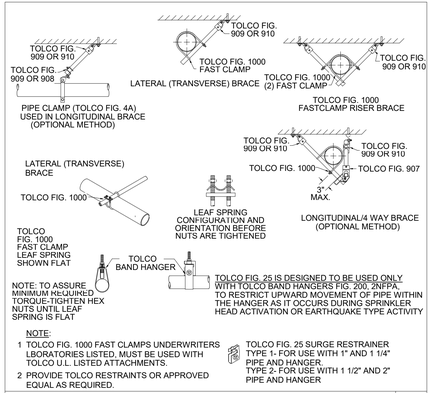


NOTE :
WET SYSTEM WITH DRY PENDENT SPRINKLER HEADS

TYPICAL SPRINKLER HEAD RELOCATION NTS 6



DETAIL OF SPRINKLER BRANCH PIPING MODIFICATION NTS 4



SEISMIC RESTRAINT COMPONENTS (TYPICAL APPLICATIONS) NTS 1

Revisions:	Date:

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STAMP: GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE031384 9/21/23 JOHN RICHARD CALLAHAN JR.

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
FIRE SUPPRESSION - DETAILS	100% CONSTRUCTION DOCUMENTS	RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: FX002
		Issue Date: 9/21/2023 · Checked: GAT · Drawn: JRC	

VA FORM 08 - 6231

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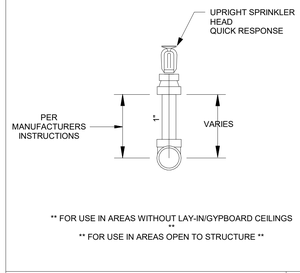
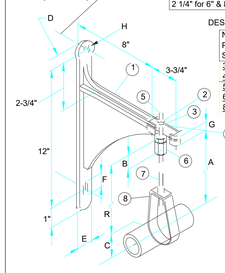


** FOR USE IN AREAS WITHOUT LAY-IN/GYPBOARD CEILINGS **

** FOR USE IN AREAS OPEN TO STRUCTURE **

TYPICAL UPRIGHT HEAD DETAIL

NTS 3



Dimension for Wall Brackets

B	D	E	F	G	H (Dia.)
1" for 3" & 4" 2" for 5"	3/4"	1 1/4"	9/16" x 1"	1"	9/16"
2 1/4" for 6" & 8"	1"	2"	5/8" x 1"	1 1/4"	5/8"

DESIGN DATA FOR WALL BRACKET HANGER

Nominal Pipe Size	Minimum A Dimension inches	Hanger Takeout inches	Rod Diameter inches
3	6 1/2	-3 1/2	3/8
4	7	-4	3/8
5	6 1/2	-1 3/4	1/2
6	10	-6 3/4	1/2
8	11 1/2	-8 1/4	1/2

Components:

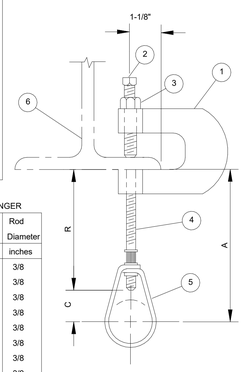
1. Wall Bracket
2. Hex Nut
3. Lock Washer
4. Flat Washer
5. Transition Rod
6. Rod Coupling
7. Hanger Rod
8. Adjustable Hanger Ring

WALL BRACKET PIPE HANGER DETAIL

NTS 2

Components:

1. C-Clamp
2. Set Screw
3. Lock Nut
4. Hanger Rod
5. Adjustable Hanger Ring
6. Steel Beam or Bar Joist

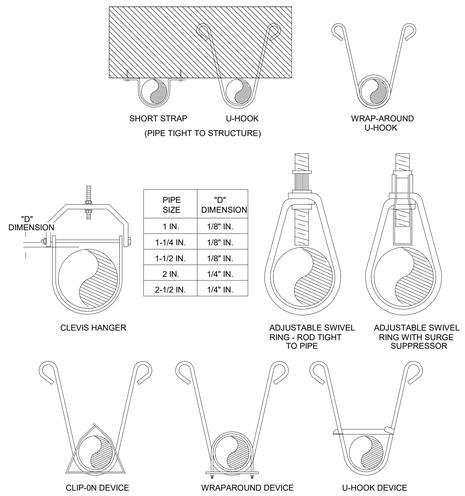


DESIGN DATA FOR C-CLAMP HANGER

Nominal Pipe Size inches	Minimum A Dimension inches	Hanger Takeout inches	Rod Diameter inches
1/2	3 1/2	-1 1/4	3/8
3/4	3 1/2	-1 1/4	3/8
1	3 1/2	-1 1/4	3/8
1 1/4	3 3/4	-1 1/2	3/8
1 1/2	4	-1 1/2	3/8
2	4 1/4	-1 3/4	3/8
2 1/2	5	-2 1/4	3/8
3	5 1/2	-2 1/2	3/8
4	6	-3	3/8
5	6 3/4	-3 3/4	1/2
6	7 3/4	-4 1/2	1/2
8	9 1/4	-6	1/2

STANDARD C-CLAMP PIPE HANGER

NTS 5

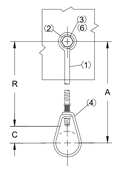


PIPE SIZE	"D" DIMENSION
1 IN.	1/8" IN.
1-1/4 IN.	1/8" IN.
1-1/2 IN.	1/8" IN.
2 IN.	1/4" IN.
2-1/2 IN.	1/4" IN.

ACCEPTABLE HANGERS FOR END OF LINE PENDANT SPRINKLERS

NTS 4

DESIGN DATA FOR EYE ROD HANGER

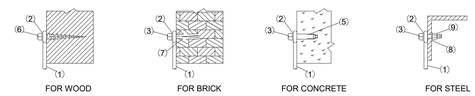


COMPONENTS

1. EYE ROD
2. FLAT WASHER
3. HEX HEAD CAP SCREW
4. ADJUSTABLE HANGER RING
5. DROP-IN ANCHOR
6. HEX HEAD LAG SCREW
7. EXPANSION CASE
8. LOCK WASHER
9. HEX NUT

NOMINAL PIPE SIZE	MINIMUM A DIMENSION INCHES	HANGER TAKEOUT INCHES	ROD DIAMETER INCHES
1/2	4 1/4	-1 1/4	3/8
3/4	4 1/4	-1 1/4	"
1	4 1/4	-1 1/4	"
1 1/4	4 1/2	-1 1/2	"
1 1/2	4 3/4	-1 1/2	"
2	5	-1 3/4	"
2 1/2	6 1/4	-2 1/4	"
3	6 3/4	-2 1/2	"
4	7 1/4	-3	"
5	8	-3 3/4	1/2
6	9	-4 1/4	"
8*	10 1/2	-6	"

* TO COMPLY WITH NFPA 13, THE ROD FOR AN 8" HANGER IS PROVIDED WITH A WELDED EYE.



* NFPA 13 SETS MINIMUM DISTANCES FOR PLACEMENT OF FASTENERS ABOVE THE BOTTOM OF BEAMS OR JOISTS.

WOOD: 2 1/2" MINIMUM FOR BRANCH LINES (PIPE SIZES 2" SMALLER)
3" MINIMUM FOR MAINS (PIPE SIZES 2 1/2" & LARGER)

CONCRETE: DISTANCES AS REQUIRED TO PLACE THE FASTENER ABOVE THE CENTERLINE OF THE BEAM OR ABOVE THE BOTTOM REINFORCEMENT STEEL.

STANDARD FASTENERS FOR EYE ROD HANGERS

NOMINAL PIPE SIZES	WOOD QTY	WOOD ITEMS	BRICK QTY	BRICK ITEMS	CONCRETE QTY	CONCRETE ITEMS	STEEL QTY	STEEL ITEMS
1/2" THRU 2"	1 1	3/8" x 2 1/2" HEX HEAD LAG SCREW 3/8" FLAT WASHER	1 1 1	3/8" EXPANSION CASE 3/8" x 2" HEX HEAD CAP SCREW 3/8" FLAT WASHER	1 1 1	3/8"DROP-IN ANCHOR -HILTI HDI 3/8" 3/8" x 1" HEX HEAD CAP SCREW 3/8" FLAT WASHER	1 1 1	3/8" x 1 1/2" HEX HEAD CAP SCREW 3/8" HEX NUT 3/8" LOCK WASHER
2 1/2" THRU 6"	1 1	1/2" x 3" HEX HEAD LAG SCREW 1/2" FLAT WASHER	1 1 1	1/2" EXPANSION CASE 1/2" x 2 1/2" HEX HEAD CAP SCREW 1/2" FLAT WASHER	1 1 1	1/2"DROP-IN ANCHOR -HILTI HDI 1/2" 1/2" x 1 1/4" HEX HEAD CAP SCREW 1/2" FLAT WASHER	1 1 1	1/2" x 2" HEX HEAD CAP SCREW 1/2" HEX NUT 1/2" LOCK WASHER
8"	1 1	5/8" x 3" SQUARE HEAD LAG SCREW 5/8" FLAT WASHER	1 1 1	5/8" EXPANSION CASE 5/8" x 2 3/4" HEX HEAD CAP SCREW 5/8" FLAT WASHER	1 1 1	5/8"DROP-IN ANCHOR -HILTI HDI 5/8" 5/8" x 1 1/2" HEX HEAD CAP SCREW 5/8" FLAT WASHER	1 1 1	5/8" x 2 1/2" HEX HEAD CAP SCREW 5/8" HEX NUT 5/8" LOCK WASHER

EYE ROD PIPE HANGER

NTS 1

Revision 1	Date 1
Revisions:	Date:

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STAMP

GEORGE A. SISTERMANN No. PE031384 PROFESSIONAL ENGINEER JOHN RICHARD CALLAHAN III

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FIRE SUPPRESSION - DETAILS

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC

Location: 1670 CLAIRMONT RD, DECATUR, GA

Issue Date: 9/21/2023 | Checked: GAT | Drawn: JRC

Project Number: 508-22-105

Building Number: C

Drawing Number: FX003

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DEMOLITION GENERAL NOTES

A. EXISTING FIRE SPRINKLERS SHALL REMAIN IN SERVICE AS LONG AS POSSIBLE, WHILE DEMOLITION WORK IS IN PROGRESS. ANY DISRUPTIONS IN THE FIRE SPRINKLER SYSTEM SERVICE SHALL BE PROVIDED WITH AN APPROVED FIRE WATCH OR STANDBY PERSONNEL PROVIDED BY THE CONTRACTOR.

B. REMOVE ALL EXISTING FIRE SPRINKLERS IN THE AREAS INDICATED ON THIS SHEET AND CUT AND CAP THE PIPING BACK TO THE CONNECTION OF THE ARM OVER. FOR FLEXIBLE HOSE CONNECTIONS, REUSE OF THE FLEXIBLE HOSE IS AT THE CONTRACTORS RISK; CAP THE OPEN PIPE AT THE FLEXIBLE HOSE CONNECTION TO THE SPRINKLER PIPING.

C. EXISTING FIRE SPRINKLER SYSTEM SHALL REMAIN IN SERVICES AS LONG AS POSSIBLE WHILE THE DEMOLITION WORK IS IN PROGRESS.

D. FIRE SUPPRESSION SPRINKLERS SHALL BE REPLACED, RELOCATED AND/OR ADDED IN ACCORDANCE WITH THE REQUIREMENTS FOR NFPA 13.

E. EXISTING FIRE SUPPRESSION SUPPLY SHALL BE DRAINED PRIOR TO ANY DEMOLITION WORK ON THE WET PIPE SPRINKLER SUPPLY FROM THE INDIVIDUAL FLOOR CONTROL VALVE TO THE MOST REMOTE SPRINKLER HEAD.

F. EXISTING FLOOR CONTROL VALVE SHALL BE SECURED/CLOSED FOR DEMOLITION AND NEW WORK.

G. ALL WORK SHALL BE PERFORMED AS TO NOT INTERRUPT SERVICE TO THE ENTIRE AFFECTED FLOOR. THE CONTRACTOR SHALL PROPERLY NOTIFY THE BUILDING OWNER AS APPLICABLE A MINIMUM OF 1 WEEK IN ADVANCE BEFORE PROCEEDING WITH THIS WORK.

H. REMOVE ALL UNUSED AND DEMOLISHED EQUIPMENT AND ASSOCIATED MATERIAL FORM THE SITE. ABANDONING UNUSED PORTIONS WILL NOT BE ACCEPTABLE. OWNER SHALL HAVE THE RIGHT OF REFUGE OWNERSHIP OF ALL DEMOLISHED AND UNUSED PORTION OF EQUIPMENT AND MATERIALS.

I. AVOID DAMAGING EXISTING SURFACES AND EQUIPMENT AND ASSOCIATED MATERIALS FROM THE SITE. REPAIR ANY DAMAGE CAUSED DURING WORK AT NO EXTRA COST TO THE OWNER.

J. ALL SYSTEMS ARE TO BE LEFT IN SERVICE PRIOR TO THE END OF EACH WORKDAY.

K. REMOVE ANY CEILING TILES, GRID, AND LIGHT FIXTURES REQUIRED TO ACCOMPLISH THE WORK. REPLACE SAME AFTER THE INSTALLATION IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPLACE ANY ITEMS DAMAGED DURING CONSTRUCTION.

L. MODIFY EXISTING SPRINKLER SYSTEM. RELOCATE AND/OR PROVIDE ADDITIONAL SPRINKLERS, PIPING, HANGERS, ETC., COORDINATE WITH WALLS, CEILINGS, LIGHTS, DIFFUSERS, STRUCTURE, OBSTRUCTIONS, ETC., IN AREAS AFFECTED BY THE SCOPE OF WORK.

M. REMOVE ALL ABANDONED PIPING, WET SPRINKLERS, FITTINGS, HANGERS, ETC., FROM THE PROJECT LOCATION. DISPOSE OF ALL MATERIAL LEGALLY TO AN APPROVED DISPOSAL SITE.

N. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELECTRICAL LINES, PLUMBING LINES, DUCTWORK OR MECHANICAL PIPING LOCATED IN THE CEILING SPACE, WALLS OR FLOOR PRIOR TO SAW CUTTING OR ANY CORE DRILLING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR SUCH ITEMS DAMAGED.

O. FIRE SPRINKLER SYSTEM(S) NOT ASSOCIATED WITH THE DEMOLITION SHALL BE LEFT IN SERVICE AS APPLICABLE.

P. COORDINATE SPRINKLER SYSTEM MODIFICATIONS TO MINIMIZE SYSTEM IMPAIRMENT. PROVIDE FIRE WATCH AND INTERIM FIRE PROTECTION MEASURES WHERE REQUIRED BY THE AUTHORITY HAVING JURISDICTION OR THE OWNER.

Q. ALL SHUTDOWNS SHALL BE COORDINATED AND APPROVED THROUGH THE VA COR AND VA FIRE OFFICIAL'S REPRESENTATIVE AND SHALL REQUIRE A MINIMUM OF 15 DAYS ADVANCE NOTICE. THIS TIME LENGTH MAY BE LONGER OR SHORTER FOR SOME SHUTDOWNS AND SHALL BE AT THE VA COR'S DISCRETION. DRAINING AND REFILLING OF EXISTING SYSTEM IS RESPONSIBILITY OF THE FIRE SUPPRESSION CONTRACTOR'S REPRESENTATIVE.

R. ALL DISRUPTIONS IN THE FIRE SUPPRESSION SYSTEM SHALL BE COMPENSATED WITH AN APPROVED FIRE WATCH AND STANDBY PERSONAL. REFER TO THIS DRAWING FOR THE PROCEDURES AND REQUIREMENTS DURING A FIRE SUPPRESSION SYSTEM IMPAIRMENT IN ADDITION TO DIVISION 01, SPECIFICATION 01 35 26, SAFETY REQUIREMENTS THAT NEED TO BE MET BY THIS FIRE SUPPRESSION CONTRACTOR.

INTERIM FIRE ALARM, FIRE EXTINGUISHERS AND FIRE SUPPRESSION REQUIREMENTS

A. THE FIRE SUPPRESSION CONTRACTOR SHALL BE REQUIRED TO HAVE AN OVERALL FIRE SAFETY PROGRAM THAT SHALL INCLUDE:

B. FIRE PROTECTION SERVICES AS FOLLOWS:
1. DURING RENOVATION TO THE EXISTING BUILDING'S SCOPE OF WORK AREAS PRESERVATION OF EXISTING SYSTEMS DURING DEMOLITION SHALL BE KEPT FULLY OPERATIONAL AS LONG AS FEASIBLY POSSIBLE AND KEEP DISRUPTIONS TO FIRE ALARM AND FIRE SPRINKLER SYSTEM SHALL BE KEPT TO A MINIMUM.
2. COORDINATE REQUIREMENTS AND RESPONSIBILITIES WITH THE OWNER'S REPRESENTATIVE AND DESIGNATED VA FIRE SAFETY REPRESENTATIVE ON RESPONSIBILITIES OF FIRE FIGHTING OR CONTACTING OF LOCAL FIRE DEPARTMENT. CLEARLY DELINEATE THE DIVISION OF RESPONSIBILITIES BETWEEN THE VA AND CONTRACTOR DURING A FIRE INCIDENT.
3. DEVELOPMENT AND DOCUMENTATION OF A PRE-FIRE PLAN WITH THE VA FIRE SAFETY OFFICIAL AND THE LOCAL FIRE DEPARTMENT THAT WOULD PROVIDE FIRE FIGHTING SERVICES DURING A FIRE OCCURRENCE.
4. RAPID COMMUNICATION WITH THE VA FIRE SAFETY OFFICIAL.
5. CONSIDERATION OF SPECIAL HAZARDS RESULTING FROM PREVIOUS SPACE USE.

C. PROTECTION OF EXISTING STRUCTURES AND EQUIPMENT FROM EXPOSURE FIRES RESULTING FROM CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS.
1. VA RESPONSIBILITIES FOR FIRE PROTECTION:
   - THE VA SHALL DESIGNATE A PERSON WHO SHALL BE RESPONSIBLE FOR THE FIRE PREVENTION PROGRAM AND WHO SHALL ENSURE THAT IT IS CARRIED OUT TO COMPLETION.
   - THE VA FIRE PREVENTION MANAGER SHALL HAVE THE AUTHORITY TO ENFORCE THE PROVISION OS THIS AND OTHER APPLICABLE FIRE PROTECTION STANDARDS.
   - THE VA FIRE PREVENTION PROGRAM MANAGER SHALL HAVE THE KNOWLEDGE OF THE APPLICABLE FIRE PROTECTION STANDARDS, AVAILABLE FIRE PROTECTION SYSTEMS AND FIRE INSPECTION PROCEDURES.
   - THE VA FIRE PROTECTION INSPECTION RECORDS SHALL BE AVAILABLE FOR REVIEW BY ANY AUTHORITY HAVING JURISDICTION.

D. FIRE ALARM REQUIREMENTS:

1. THE FIRE ALARM CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE AND THE DESIGNATED VA FIRE OFFICIAL AS TO THE CLOSEST READILY ACCESSIBLE PUBLIC FIRE ALARM BOX NEAR THE CONSTRUCTION PREMISE TO REPORT A FIRE INCIDENT OR OCCURRENCE.
   - INSTRUCTIONS SHALL BE CREATED AND ISSUED FOR ALL CONTRACTOR AND SUB-TIER CONTRACTORS FOR PROCEDURES FOR IMMEDIATE NOTIFICATION TO THE VA FIRE SAFETY REPRESENTATIVE AND/OR LOCAL FIRE DEPARTMENT IN THE CASE OF A FIRE. WHERE TELEPHONE SERVICE IS EMPLOYED, E.G., CELLULAR OF LAND LINE SERVICE TO THE RESPONDING FIRE DEPARTMENT OR EQUIVALENT FACILITIES.

2. THE FIRE ALARM CONTRACTOR SHALL PROVIDE, FURNISH AND INSTALL, NEW FIXED TEMPERATURE HEAT DETECTORS IN THE WORK AREA DURING CONSTRUCTION AND THE HEAT DETECTORS ARE PROVIDED AS AN INTERIM EQUIVALENT SAFETY MEASURE TO BE PROVIDED DURING A FIRE ALARM OR FIRE SUPPRESSION SYSTEM IMPAIRMENT, RENOVATION TO THE EXISTING BUILDING'S SCOPE OF WORK AREA. COORDINATE WITH VA CONTRACTING OFFICER REPRESENTATIVE AND DESIGNATED FIRE SAFETY OFFICIAL.

3. THE HEAT DETECTORS SPACING WITHIN THE CONSTRUCTION AREAS SHALL FOLLOW NFPA 72 AND NFPA 241 REQUIREMENTS. THE HEAT DETECTORS SHALL BE CONFIGURED/INTERFACED WITH THE NEW LOCAL FIRE ALARM PANEL AND THE SITE'S EXISTING MAIN FIRE ALARM AND DETECTION SYSTEM FOR MONITORING IN CASE A SYSTEM IMPAIRMENT AND DURING THE RENOVATION OF EXISTING CONDITIONS FOR THIS SCOPE OF WORK.

4. THE INTERIM FIRE DETECTION SYSTEM SHALL BE FULLY OPERATIONAL PRIOR TO ANY SIGNIFICANT COMBUSTIBLE MATERIALS ARE PRESENT WITHIN THE PERIMETER OF THE BUILDING.

5. THE INTERIM FIRE DETECTION SYSTEM FOR RENOVATED AREAS AND NEW CONSTRUCTION BUILDING SHALL INCLUDE THE HEAT DETECTORS INCLUDING ALL WIRING, PROGRAMMING, ETC., TO/FROM THE INDIVIDUAL DEVICES, TO THE LOCAL FIRE ALARM PANEL AND INTERFACE WITH THE MAIN FIRE ALARM CONTROL PANEL FOR 24/7 MONITORING IS A PROJECT REQUIREMENT. THE TEMPORARY FIRE ALARM DEVICES SHALL BE REMOVED OR LEFT IN PLACE DEPENDENT ON THE COR'S REQUIREMENT.

6. ALL SHUTDOWNS SHALL BE COORDINATED AND APPROVED THROUGH THE COR'S REPRESENTATIVE AND SHALL REQUIRE A MINIMUM OF 15 DAYS ADVANCED NOTICE, THIS TIME LENGTH MAY BE LONGER OF SHORTER FOR SOME SHUTDOWNS AND SHALL BE AT THE COR'S DISCRETION. DRAINING AND REFILLING OF THE EXISTING SYSTEM IS A RESPONSIBILITY OF THE COR'S REPRESENTATIVE.

7. ALL DISRUPTIONS IN THE FIRE SUPPRESSION SYSTEM SHALL BE COMPENSATED WITH AN APPROVED FIRE WATCH AND STANDBY PERSONAL.

E. FIRE EXTINGUISHERS REQUIREMENTS:
   a. THE RENOVATION OF THE EXISTING SCOPE OF WORK SPACE IN THE EXISTING VA MEDICAL CENTER SHALL REQUIRE THE PLACEMENT OF FIRE EXTINGUISHERS AS FOLLOWS:
      - FIRE EXTINGUISHERS SHALL BE LOCATED SO THAT THE TRAVEL DISTANCE TO A FIRE EXTINGUISHER DOES NOT EXCEED FIFTY FEET.
      - FIRE EXTINGUISHERS TO BE PROVIDED DURING CONSTRUCTION SHALL BE A 10 LB., FIRE EXTINGUISHER DRY CHEMICAL (4A:80B:C) FOR HEALTH CARE OCCUPANCIES TO INCLUDE THIS PROJECT'S SCOPE OF WORK SPACE.

F. FLAMMABLE AND COMBUSTIBLE LIQUIDS:
   a. STORAGE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS SHALL BE IN ACCORDANCE WITH NFPA 30 AND NFPA 241, SECTION 5.5

G. FIRE SUPPRESSION REQUIREMENTS DURING CONSTRUCTION:
   a. FIRE SPRINKLER PROTECTION:
      - AUTOMATIC SPRINKLER PROTECTION SHALL BE PROVIDED AND INSTALLED WITH TEMPORARY SPRINKLER HEADS AS SOON AS PRACTICABLE.
      - THE INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 13 AND MEET THE REQUIREMENTS OF NFPA 241, SECTION 8.7.3.
      - OPERATION OF VALVES: OPERATION OF SPRINKLER CONTROL VALVES SHALL BE PERMITTED ONLY BY AUTHORIZED PERSONNEL AND SHALL BE ACCOMPANIED BY NOTIFICATION OF DULY DESIGNATED PARTIES. WHEN THE SPRINKLER SYSTEM IS BEING REGULARLY TURNED OFF TO FACILITATE CONNECTION OF NEWLY COMPLETED SEGMENTS, THE SPRINKLER CONTROL VALVE SHALL BE CHECKED AT THE END OF EACH WORK DAY TO ASCERTAIN THAT THE PROTECTION IS IN SERVICE.

PROCEDURES FOR IMPAIRMENT TO THE FIRE PROTECTION SYSTEM

1. MINIMUM REQUIREMENTS

   A. THE FIRE SUPPRESSION CONTRACTOR SHALL ENACT MEASURES THAT SHALL BE TAKEN DURING THE IMPAIRMENT TO ENSURE THAT INCREASED RISKS ARE MINIMIZED AND THE DURATION OF THE IMPAIRMENT IS LIMITED.

   B. THE FIRE SUPPRESSION CONTRACTOR SHALL NOTIFY IN WRITING TO THE ARCHITECT, ENGINEER, OWNER AND ANY JURISDICTION HAVING AUTHORITY OF THE PLANNED IMPAIRMENT, PROCEDURES DURING THE IMPAIRMENT, TESTING RE-COMMISSIONING OF THE FIRE PROTECTION/FIRE ALARM SYSTEMS FOR PROTECTION OF THE AFFECTED LOCATIONS WITHIN THE SCOPE OF WORK SUITE.

   C. THE FIRE SUPPRESSION CONTRACTOR THROUGH THE OWNER SHALL PREPARE AND SUBMIT TO THE OWNER FOR OWNER'S DISTRIBUTION TO THE EMPLOYEES IN THE AREA OF THE IMPAIRMENT SHALL BE PROVIDED WITH INFORMATION ON ALTERNATE FIRE PROTECTION THAT WILL BE AVAILABLE.

   D. THE SUSPENSION OF ALL NON-ESSENTIAL HOT WORK PERMITS UNTIL THE CONCLUSION AND REACTIVATION OF THE FIRE SUPPRESSION SYSTEM AND INTERFACING FIRE DETECTION SYSTEM.

2. FIRE PROTECTION IMPAIRMENT PLAN

   A. A FIRE PROTECTION IMPAIRMENT PLAN SHOULD BE DEVELOPED AND IMPLEMENTED BEFORE AUTHORIZATION IS GIVEN. THE IMPAIRMENT COORDINATOR SHOULD VERIFY THAT THE FOLLOWING PROCEDURES HAVE BEEN IMPLEMENTED:

      - THE EXTENT AND EXPECTED DURATION OF THE IMPAIRMENT THAT HAS BEEN DETERMINED.
      - THE AREA OF THE BUILDING THAT WILL BE AFFECTED HAS BEEN INSPECTED AND THE INCREASED RISKS DETERMINED.
      - RECOMMENDATIONS HAVE BEEN SUBMITTED TO THE ARCHITECT, ENGINEER AND OWNER OR OWNER'S REPRESENTATIVE TO MITIGATE ANY INCREASED RISKS.
      - WHERE A REQUIRED FIRE PROTECTION SYSTEM IS OUT OF SERVICE FOR MORE THAN TEN HOURS IN A 24 HOUR PERIOD THE CONTRACTOR & OWNER SHALL ARRANGE FOR THE FOLLOWING:
        - AN APPROVED CONTRACTOR'S FIRE WATCH.
        - ESTABLISHMENT AND IMPLEMENTATION OF AN APPROVED PROGRAM TO ELIMINATE POTENTIAL IGNITION SOURCES AND LIMIT OF THE AMOUNT OF COMBUSTIBLES IN THE AREA OF CONSTRUCTION.
        - ASSIGN PERSONNEL TO TRANSMIT FIRE ALARMS TO THE VA HOSPITAL COORDINATOR WHERE THE MAIN FIRE ALARM PANEL IS BEING MONITORED FOR 24/7 COVERAGE.

3. TAG IMPAIRMENT SYSTEM

   A. A TAG SHALL BE USED TO INDICATE THAT A SYSTEM OR PART THERE OF, HAS BEEN REMOVED FROM SERVICE. THE FIRE SUPPRESSION CONTRACTOR SHALL PLACE TAGS ON ALL AFFECTED COMPONENTS, E.G., TAMPER SWITCHES, VALVES, FIRE ALARM ANNUNICATOR DEVICES, ETC., PRIOR TO THE COMMENCEMENT OF ANY WORK.

   B. THE TAG SHALL BE POSTED AT EACH FIRE PROTECTION CONNECTION AND SYSTEM CONTROL VALVE AND OTHER LOCATION REQUIRED BY THE OWNER'S REPRESENTATIVE OR ANY AND ALL AUTHORITIES HAVING JURISDICTION, INDICATING WHICH SYSTEM, OR PART THERE OF, HAS BEEN REMOVED FROM SERVICE.

      - THE SUPERVISORS IN THE AREA TO THE AFFECTED AREA HAS BEEN NOTIFIED.
      - THE FIRE DEPARTMENT HAS BEEN NOTIFIED.
      - A TAG IMPAIRMENT SYSTEM HAVE BEEN IMPLEMENTED.
      - ALL NECESSARY TOOLS, EQUIPMENT, MATERIAL AND APPURTENANCES ARE LOCATED AND ASSEMBLED ON THE IMPAIRMENT SITE.

4. RESTORING SYSTEMS TO SERVICE

   A. WHEN ALL IMPAIRED EQUIPMENT IS RESTORED TO NORMAL WORKING ORDER, THE ARCHITECT/ ENGINEER SHALL VERIFY THAT THE CONTRACTOR HAS IMPLEMENTED THE FOLLOWING PROCEDURES:

      - ALL NECESSARY INSPECTION HAVE BEEN CONDUCTED FOLLOWING NFPA 13, 25 AND 72 REQUIREMENTS IN ORDER TO VERIFY THAT THE AFFECTED SYSTEM ARE OPERATION. CONTRACTOR SHALL SUBMIT ALL REQUIRED RECORDS AND RECORDS SHALL INDICATE THE PROCEDURE PERFORMED, THE ORGANIZATION THAT PERFORMED THE WORK, RESULTS AND THE DATE.
      - OPEN ALL VALVES THAT WERE SECURED DURING THE IMPAIRMENT.
      - REMOVE IMPAIRMENT TAG ONCE VALVES ARE OPEN.
      - CONDUCT A DRAIN TEST IN THE WIDE OPEN POSITION.
      - ENSURE THE FIRE PROTECTION SYSTEM IS PLACED BACK TO "AUTOMATIC" SERVICE.
      - RESET FIRE ALARM SYSTEM AND NOTIFY OWNER'S REPRESENTATIVE AND FIRE ALARM COMPANY THAT MONITORS THE OWNER'S MAIN FIRE ALARM PANEL ON 24/7 COVERAGE.
      - ARCHITECT, ENGINEER AND OWNER'S REPRESENTATIVE HAVE BEEN ADVISED THAT THE FIRE PROTECTION AND FIRE DETECTION SYSTEM THAT WAS IMPAIRED HAS BEEN RESTORED.
      - THE OWNER'S REPRESENTATIVE OR DESIGNATED REPRESENTATIVE, FIRE ALARM COMPANY WHO MONITORS THE MAIN FIRE ALARM PANEL FOR 24/7 COVERAGE AND ALL OTHER JURISDICTIONS HAVE BEEN ADVISED THAT BOTH FIRE PROTECTION SYSTEMS IS RESTORED.
      - THE IMPAIRMENT TAG HAS BEEN REMOVED.
      - COORDINATE ALL PROCEDURES WITH VA CONTRACTING OFFICER REPRESENTATIVE AND DESIGNATED FIRE SAFETY OFFICIAL.

FIRE WATCH PROCEDURES AND REQUIREMENTS

A. THE FIRE SUPPRESSION CONTRACTOR'S FIRE WATCH PERSONNEL SHALL BE TRAINED TO UNDERSTAND THE INHERENT HAZARDS OF THE WORK SITE AND OF THE HOT WORK TO OCCUR.
B. THE FIRE SUPPRESSION CONTRACTOR'S FIRE WATCH SHALL ENSURE THAT SAFE CONDITIONS ARE MAINTAINED DURING OUTAGE OF THE FIRE ALARM/FIRE SUPPRESSION SYSTEM AND/OR DURING THE OCCURRENCE OF HOT WORK OPERATION.
C. THE FIRE SUPPRESSION CONTRACTOR'S FIRE WATCH SHALL HAVE THE AUTHORITY TO STOP HOT WORK OPERATIONS IF UNSAFE OPERATIVE DEVELOPS.
D. THE FIRE SUPPRESSION CONTRACTOR'S FIRE WATCH SHALL HAVE FIRE EXTINGUISHING EQUIPMENT READILY AVAILABLE AND TRAINED IN ITS USE, E.G., FIRE EXTINGUISHERS.
E. THE FIRE SUPPRESSION CONTRACTOR'S FIRE WATCH SHALL BE FAMILIAR WITH OWNER'S FACILITIES AND PROCEDURES FOR SOUNDING AN ALARM IN THE EVENT OF A FIRE.
F. THE FIRE SUPPRESSION CONTRACTOR'S FIRE WATCH SHALL WATCH FOR FIRES IN ALL EXPOSED AREAS AND TRY TO EXTINGUISH A FIRE ONLY WHEN THE FIRES ARE OBVIOUSLY WITHIN THE CAPACITY OF THE AVAILABLE EXTINGUISHING EQUIPMENT. IF THE FIRE WATCH DETERMINES THAT THE FIRE IS NOT WITHIN THE CAPACITY OF THE EQUIPMENT THE FIRE WATCH SHALL SOUND AN ALARM IMMEDIATELY (E.G.,INITIATE A MANUALLY ACTUATED ALARM INDICATING DEVICE THAT IS OUTSIDE OF THE CONSTRUCTION AREA DURING THE DISRUPTION OF THE FIRE ALARM/DETECTION WITHIN THE CONSTRUCTION WORK SCOPE OR WITHIN THE CONSTRUCTION WORK SCOPE IF THE FIRE ALARM/DETECTION SYSTEM HAS BEEN ACTIVATED).
G. BEFORE STARTING ANY HOT WORK, CONTRACTORS AND THEIR OWNERS SHALL DISCUSS THE PLANNED PROJECT COMPLETELY INCLUDING THE TYPE OF HOT WORK TO BE CONDUCTED AND THE HAZARDS IN THE AREA WITH THE ASSOCIATED PLAN OF ACTION, IN ORDER, TO PROVIDE EQUIVALENT SAFETY MEASURES TAKEN DURING THE FIRE DETECTION OR FIRE SUPPRESSION IMPAIRMENT.

PROCEDURES FOR DRAINING WET PIPE SYSTEM

1. TO DRAIN A WET PIPE SYSTEM THE PROCEDURE TO BE PERFORMED AND SUBMITTED TO THE ARCHITECT, ENGINEER, VA COR AND VA FIRE SAFETY OFFICIAL SHOULD INCLUDE BUT NOT LIMITED TO THE FOLLOWING.

   1.1. CLOSE ALL SPRINKLER CONTROL VALVES.
   1.2. TAG ALL CLOSED VALVES.
   1.3. OPEN MAIN DRAIN VALVES AND AUXILIARY DRAINS ALLOWING THE SYSTEM FOR 100% COMPLETE DRAINAGE.
   1.4. WHEN THE WATER HAS BEEN COMPLETELY DRAINED, CLOSE THE MAIN DRAIN AND AUXILIARY DRAIN VALVES. WHEN THE WATER HAS STOPPED FLOWING, CHECK ALL CONTROL VALVES TO BE SURE THEY ARE TIGHTLY SHUT; ANY MALFUNCTION CONTROL VALVES SHOULD BE REPAIRED AND/OR REPLACED IMMEDIATELY AS DEEMED APPLICABLE.
   1.5. CHECK FOR WATER TRAPPED AT ALL LOW POINTS IN PIPING THAT LACK AUXILIARY DRAINS; REMOVE DRAIN AND REPLACE SUCH PIPING.
   1.6. ONCE ABOVE ITEM ARE CONFIRMED WITH 100% CERTAINTY THE CONTRACTOR SHALL PERFORM ALL NEW INSTALLATIONS.

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GEORGIA REGISTERED No. PE031384 PROFESSIONAL ENGINEER JOHN RICHARD CALHOUN JR. 9/21/23

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FIRE SUPPRESSION IMPAIRMENT & INTERIM SUPPRESSION REQMTS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: FX004
		Issue Date: 9/21/2023 · Checked: GAT · Drawn: JRC	

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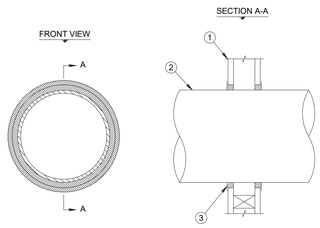
NOTES:

1. DETAILS SHOWN ARE TYPICAL DETAILS. IF FIELD CONDITIONS DO NOT MATCH THE REQUIREMENTS OF THE TYPICAL DETAILS, APPROVED ALTERNATE DETAILS SHALL BE UTILIZED. FIELD CONDITIONS AND DIMENSION NEED TO BE VERIFIED FOR COMPLIANCE WITH THE DETAILS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
   - A. MINIMUM AND MAXIMUM WIDTH OF JOINTS.
   - B. TYPE AND THICKNESS OF FIRE-RATED CONSTRUCTION. THE MINIMUM ASSEMBLY RATING OF THE FIRE STOP ASSEMBLY SHALL MEET OR EXCEED THE HIGHEST RATING OF THE ADJACENT CONSTRUCTION.
2. IF ALTERNATE DETAILS MATCHING THE FIELD CONDITIONS ARE NOT AVAILABLE, MANUFACTURER'S ENGINEERING JUDGEMENT DRAWINGS ARE ACCEPTABLE. DRAWINGS SHALL FOLLOW THE INTERNATIONAL FIRESTOP COUNCIL (IFC) GUIDELINES FOR EVALUATING FIRESTOP SYSTEM ENGINEERING JUDGEMENTS.
3. REFERENCES:
   - A. 2013 UNDERWRITER'S LABORATORIES FIRE RESISTANCE DIRECTORY, VOLUME 2
   - B. NFPA 101, LIFE SAFETY CODE
   - C. ALL GOVERNING LOCAL AND REGIONAL BUILDING CODES
4. FIRESTOP SYSTEM INSTALLATION MUST MEET THE REQUIREMENTS OF ASTM E-814 (UL 1479) TESTED ASSEMBLIES THAT PROVIDE A FIRE RATING EQUAL TO THAT OF THE CONSTRUCTION BEING PENETRATED.
5. ALL RATED THROUGH-PENETRATIONS SHALL BE PROMINENTLY LABELED WITH THE FOLLOWING INFORMATION:
   - A. ATTENTION: FIRE RATED ASSEMBLY
   - B. UL SYSTEM #
   - C. PRODUCT(S) USED
   - D. HOURLY RATING (F-RATING)
   - E. INSTALLATION DATE

U.L. SYSTEM NO. WL1052

METAL PIPE THROUGH 1-HR. GYPSUM WALL

F RATING = 1-HR.
T RATING = 0-HR.



1. 1-HR. FIRE-RATED GYPSUM WALL ASSEMBLY.
2. 10" DIA. (OR SMALLER) STEEL PIPE, 4" DIA. (OR SMALLER) COPPER PIPE, EMT OR CONDUIT.
3. MIN. 5/8" DEPTH HILTI FS 601.

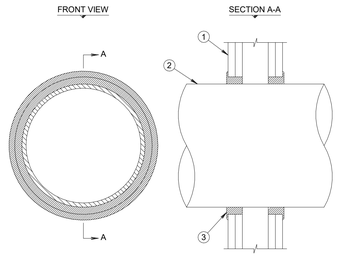
NOTE : NOMINAL ANNULAR SPACE OF 1/4" TO 1" REQUIRED.

SEE HILTI FIRESTOP INSTALLATION MANUAL FOR ADDITIONAL INSTRUCTIONS
HILTI, INC. TULSA, OK 1-800-879-8000

U.L. SYSTEM NO. WL1054

METAL PIPE THROUGH 2-HR. GYPSUM WALL

F RATING = 2-HR.
T RATING = 0-HR.



1. 2-HR. FIRE-RATED GYPSUM WALL ASSEMBLY.
2. 10" DIA. (OR SMALLER) STEEL PIPE (SCHEDULE 10 OR HEAVIER), OR 4" DIA. (OR SMALLER) COPPER PIPE, EMT OR STEEL CONDUIT.
3. MINIMUM 1-1/4" DEPTH HILTI FS 601 FIRESTOP SEALANT.

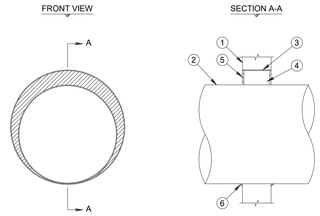
NOTES : 1. MAXIMUM DIAMETER OF OPENING = 12-1/2".
2. ANNULAR SPACE = MIN. 1/4" TO MAX. 1".

SEE HILTI FIRESTOP INSTALLATION MANUAL FOR ADDITIONAL INSTRUCTIONS
HILTI, INC. TULSA, OK 1-800-879-8000

U.L. SYSTEM NO. WJ1021

STEEL/COPPER PIPE THROUGH CONCRETE OR CONCRETE BLOCK WALL

F RATING = 2-HR.
T RATING = 0 AND 1/4-HR.



1. WALL ASSEMBLY :
   A. MINIMUM 5" THICK CONCRETE WALL.
   B. ANY U.L. CLASSIFIED CONCRETE BLOCK WALL.
2. 17-1/4" DIA. (OR SMALLER) STEEL PIPE OR 4" DIA. (OR SMALLER) COPPER PIPE .
3. NO. 8 STEEL WIRE MESH RECESSED 1/8" BELOW EACH WALL SURFACE (FOR HOLLOW BLOCK WALLS ONLY).
4. MINIMUM 4-1/2" THICKNESS FLEXIBLE URETHANE SHEET, (MIN. 4 PCF DENSITY).
5. MINIMUM 1/4" DEPTH HILTI FS 605 FIRESTOP SEALANT.
6. 1/2" BEAD HILTI FS 605 SEALANT AT POINT OF CONTACT.

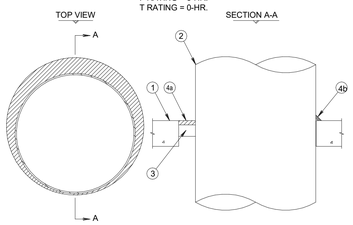
NOTES : 1. ANNULAR SPACE = MIN. 0", MAX. 2-3/4".
2. T RATING = 1/4-HR. WHEN STEEL PIPE IS USED.

SEE HILTI FIRESTOP INSTALLATION MANUAL FOR ADDITIONAL INSTRUCTIONS
HILTI, INC. TULSA, OK 1-800-879-8000

U.L. SYSTEM NO. CAJ1156

STEEL PIPE THROUGH CONCRETE FLOOR OR WALL

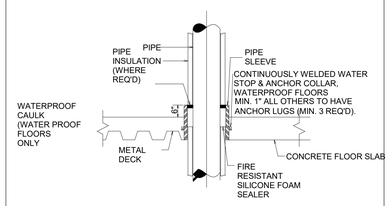
F RATING = 3-HR.
T RATING = 0-HR.



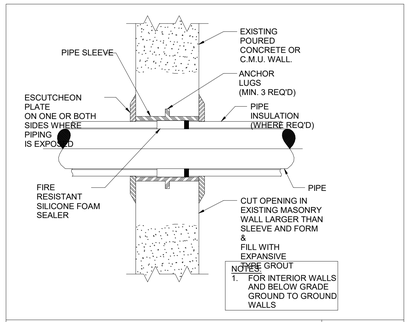
1. FLOOR OR WALL ASSEMBLY :
   A. MIN. 4-1/2" THICK LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE.
   B. MIN. 8" CONCRETE BLOCK WALL.
2. 21" DIA. (OR SMALLER) STEEL PIPE.
3. MIN. 2" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED.
4. A. MIN. 3/4" DEPTH HILTI FS 605.
   B. MIN. 1/2" BEAD HILTI FS 605 AT POINT OF CONTACT.

NOTES : 1. MAXIMUM DIAMETER OF OPENING 27".
2. ANNULAR SPACE 0" TO MAXIMUM 3".
3. WALLS REQUIRE 3/4" DEPTH OF HILTI FS 605 ON BOTH SIDES. IN HOLLOW BLOCK WALLS, USE STEEL WIRE MESH OR STEEL SLEEVE TO AID INSTALLATION.

SEE HILTI FIRESTOP INSTALLATION MANUAL FOR ADDITIONAL INSTRUCTIONS.
HILTI, INC. TULSA, OK 1-800-879-8000



PIPE SLEEVE THROUGH FLOOR DETAIL NTS 2



NOTES:
1. FOR INTERIOR WALLS AND BELOW GRADE GROUND TO GROUND WALLS

PIPE SLEEVE THROUGH WALL DETAIL NTS 1

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GEORGIA REGISTERED No. PE031384 PROFESSIONAL ENGINEER JOHN RICHARD CALLAHAN JR. 9/21/23

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
FIRE SUPPRESSION - UL DETAILS	100% CONSTRUCTION DOCUMENTS	RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: FX005
		Issue Date: 9/21/2023 · Checked: GAT · Drawn: JRC	

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VA FORM 08 - 6231

DEMOLITION GENERAL NOTES

A. REFER TO FX001 FOR FIRE SUPPRESSION GENERAL NOTES, SYMBOLS AND LEGENDS.

B. REFER TO FX004 FOR IMPAIRMENT AND FIRE WATCH REQUIREMENTS.

C. REFER TO FX004 FOR DEMOLITION NOTES AND REQUIREMENTS.

D. THE DRAWING SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES. THE SCALE INDICATED IS INTENDED FOR "GENERAL REFERENCE ONLY".

E. EXISTING FIRE SPRINKLERS SHALL REMAIN IN SERVICE AS LONG AS POSSIBLE, WHILE DEMOLITION WORK IS IN PROGRESS. ANY DISRUPTIONS IN THE FIRE SPRINKLER SYSTEM SERVICE SHALL BE PROVIDED WITH AN APPROVED FIRE WATCH OR STANDBY PERSONNEL.

F. REMOVE ALL EXISTING FIRE SPRINKLERS IN THE AREAS INDICATED ON THIS SHEET AND CUT AND CAP THE PIPING BACK TO THE CONNECTION OF THE ARM OVER . FOR FLEXIBLE HOSE CONNECTIONS, REUSE OF THE FLEXIBLE HOSE IS AT THE CONTRACTOR'S RISK; CAP THE OPEN PIPE AT THE FLEXIBLE HOSE CONNECTION TO THE SPRINKLER PIPING.

G. ANY EXISTING PIPE OR DUCTWORK INSULATION THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REMOVED AND REPLACED WITH NEW INSULATION TO MATCH ADJACENT INSULATION AND COVERING AT THE FIRE PROTECTION CONTRACTOR'S EXPENSE.

H. THE FIRE SUPPRESSION CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS PRIOR TO CONSTRUCTION. EXISTING SPRINKLER HEAD LOCATIONS WILL NEED TO BE FIELD VERIFIED BY FIRE SUPPRESSION CONTRACTOR.

I. EXISTING FIRE SUPPRESSION SUPPLY SHALL BE DRAINED PRIOR TO ANY DEMOLITION WORK ON THE WET PIPE SPRINKLER SUPPLY FROM THE INDIVIDUAL FLOOR CONTROL VALVE TO THE MOST REMOTE SPRINKLER HEAD.

J. EXISTING FLOOR CONTROL VALVE SHALL BE SECURED / CLOSED FOR DEMOLITION AND NEW WORK.

K. ALL WORK SHALL BE PERFORMED SO AS TO NOT INTERRUPT SERVICE TO THE ENTIRE AFFECTED FLOOR. THE CONTRACTOR SHALL PROPERLY NOTIFY THE BUILDING OWNER AS APPLICABLE A MINIMUM OF 1 WEEK IN ADVANCE BEFORE PROCEEDING WITH THIS WORK.

L. REMOVE ALL UNUSED AND DEMOLISHED EQUIPMENT AND ASSOCIATED MATERIAL FROM THE SITE. ABANDONING UNUSED PORTIONS WILL NOT BE ACCEPTABLE. OWNER SHALL HAVE THE RIGHT OF REFUGE OWNERSHIP OF ALL DEMOLISHED AND UNUSED PORTION OF EQUIPMENT AND MATERIALS.

M. AVOID DAMAGING EXISTING SURFACES AND EQUIPMENT AND ASSOCIATED MATERIALS FROM THE SITE. REPAIR ANY DAMAGE CAUSED DURING WORK AT NO EXTRA COST TO THE OWNER.

N. ALL SYSTEMS ARE TO BE LEFT IN SERVICE PRIOR TO THE END OF EACH WORK DAY.

O. REMOVE ANY CEILING TILES, GRID, AND LIGHT FIXTURES REQUIRED TO ACCOMPLISH THE WORK. REPLACE SAME AFTER THE INSTALLATION IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPLACE ANY ITEMS DAMAGED DURING CONSTRUCTION.

P. REMOVE ALL ABANDONED PIPING, WET SPRINKLERS, FITTINGS, HANGERS, ETC., FROM THE PROJECT LOCATION. DISPOSE OF ALL MATERIAL LEGALLY TO AN APPROVED DISPOSAL SITE.

Q. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELECTRICAL LINES, PLUMBING LINES, DUCTWORK OR MECHANICAL PIPING LOCATED IN THE CEILING SPACE, WALLS OR FLOOR PRIOR TO SAW CUTTING OR ANY CORE DRILLING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR SUCH ITEMS DAMAGED.

R. FIRE SPRINKLER SYSTEM(S) NOT ASSOCIATED WITH THE DEMOLITION SHALL BE LEFT IN SERVICE AS APPLICABLE.

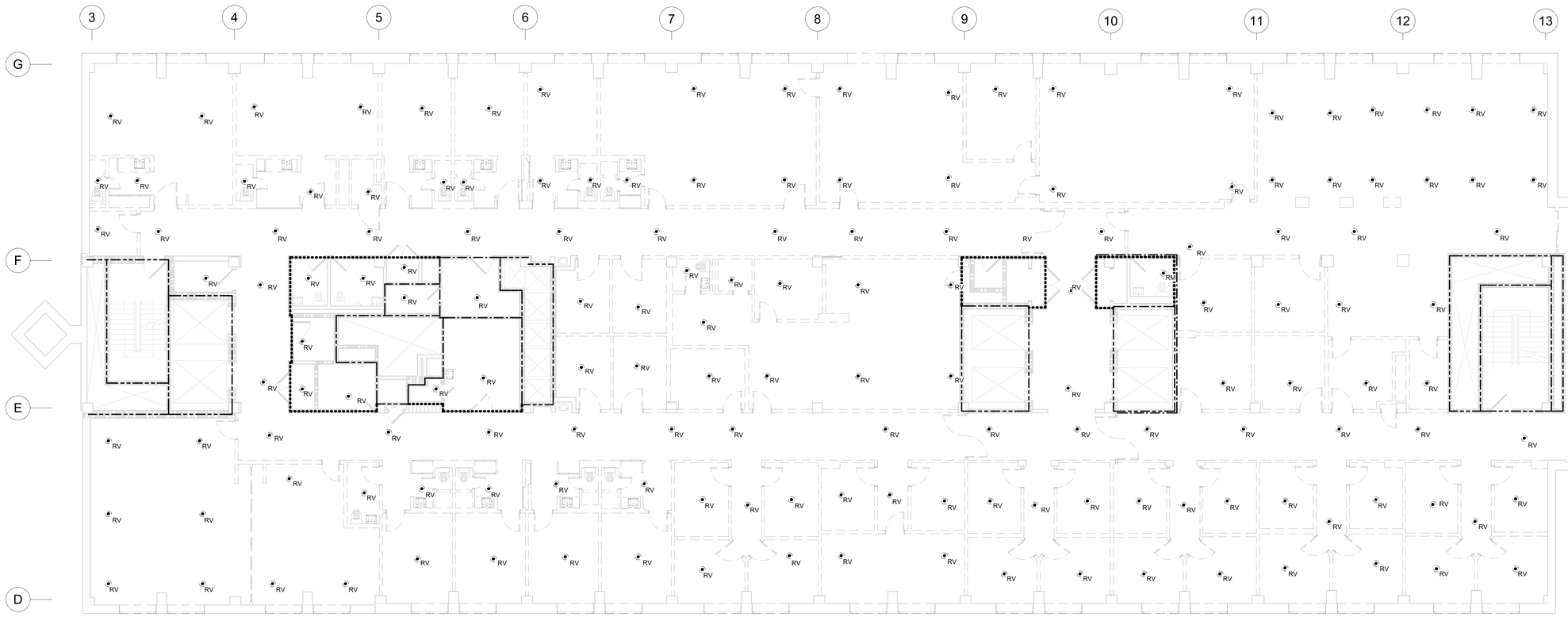
S. CUTTING AND PATCHING OF ANY EXISTING CONDITIONS INCLUDING FLOORS, WALLS, AND CEILINGS REQUIRED FOR THE INSTALLATION OF THE FIRE PROTECTION SYSTEM IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. ALL WORK SHALL BE COORDINATED WITH THE G.C. AND ALL OTHER TRADES.

T. ALL SHUTDOWNS SHALL BE COORDINATED AND APPROVED THROUGH THE OWNER'S REPRESENTATIVE AND WILL REQUIRE A MINIMUM OF 10 DAYS ADVANCE NOTICE THIS TIME LENGTH MAY BE LONGER OR SHORTER FOR SOME SHUT DOWNS AND SHALL BE AT THE OWNER'S DISCRETION. DRAINING AND REFILLING OF THE EXISTING SYSTEM IS A RESPONSIBILITY OF THE OWNER'S REPRESENTATIVE.

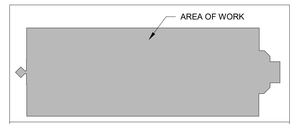
U. THE INFORMATION GIVEN HEREIN IS AS EXACT AS COULD BE SECURED FOR BIDDING PURPOSES AND ITS ACCURACY IS NOT GUARANTEED. THE AUTOMATIC SPRINKLER CONTRACTOR IS RESPONSIBLE FOR EXAMINING BOTH THE EXISTING AND NEW JOB CONDITIONS AND VERIFYING ALL MEASUREMENTS, DISTANCES, ELEVATIONS, CLEARANCES, PIPE SIZES, ETC., BEFORE STARTING THE DEMOLITION OR NEW WORK.

V. REUSE OF ANY SPRINKLER HEAD THAT IS REMOVED FROM SERVICE IS NOT ACCEPTABLE; REFER TO NFPA 25, SECTION 5.4.1.1.

MISCELLLANEOUS
RL = EXISTING DEVICES TO BE RELOCATED
RDL = RELOCATED DEVICES, SHOWN IN FINAL LOCATION
RM = EXISTING DEVICES TO REMAIN
RV = EXISTING DEVICES TO BE REMOVED
RP = EXISTING DEVICES TO BE REPLACED WITH A NEW DEVICE
N = NEW DEVICE



1 FIRE SUPPRESSION - LEVEL 06 - DEMOLITION
1/8" = 1'-0"



KEY PLAN: (NOT TO SCALE)

GRAPHIC SCALE
8 0 4 8 16 32
(in Feet)
1 inch = 8 ft.

Revisions:	Date:

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Drawing Title: FIRE SUPPRESSION - LEVEL 06 - DEMOLITION	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: FX100
		Issue Date: 9/21/2023 · Checked: GAT · Drawn: JRC	

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FIRE PROTECTION DESIGN CRITERIA

LIGHT HAZARD - PATIENT CARE, OFFICES, TREATMENT CUSTOMARY ACCESS AREAS, RESTROOMS, X-RAY ROOMS AND IT TELECOMMUNICATION ROOMS

DESIGN DENSITY:	0.10GPM/SQ.FT
HYDRAULICALLY MOST DEMANDING AREA:	1,500SQ.FT
SPRINKLER ORIFICE:	1/2INCH
MAXIMUM COVERAGE/SPRINKLER HEAD:	225SQ.FT
HOSE STREAM ALLOWANCE INSIDE/OUTSIDE:	100GPM
K FACTOR:	5.6GPM/(PSI) ½

ORDINARY HAZARD GROUP I - LABORATORIES, MECHANICAL ROOMS, JANITORIAL CLOSETS, ELECTRICAL ROOMS AND GENERAL STORAGE UP TO 8 FEET HIGH

DESIGN DENSITY:	0.15GPM/SQ.FT
HYDRAULICALLY MOST DEMANDING AREA:	1,500SQ.FT
SPRINKLER ORIFICE:	1/2INCH
MAXIMUM COVERAGE/SPRINKLER HEAD:	130SQ.FT
HOSE STREAM ALLOWANCE INSIDE/OUTSIDE:	250GPM
K FACTOR:	5.6GPM/(PSI)½

ORDINARY HAZARD GROUP II - OCCUPANCY OR PORTIONS OR OTHER OCCUPANCIES WHERE THE QUANTITY AND COMBUSTIBILITY OF CONTENTS ARE MODERATE RATES TO HIGH, STOCKPILES OF CONTENTS WITH MODERATE RATES OF HEAT RELEASE DO NOT EXCEED 12 FEET AND STOCKPILES OF CONTENTS WITH HIGH RATES OF HEAT RELEASE DO NOT EXCEED 8 FT

DESIGN DENSITY:	0.20GPM/SQ.FT
HYDRAULICALLY MOST DEMANDING AREA:	1,500SQ.FT
SPRINKLER ORIFICE:	3/4INCH
MAXIMUM COVERAGE/SPRINKLER HEAD:	130SQ.FT
HOSE STREAM ALLOWANCE INSIDE/OUTSIDE:	250GPM
K FACTOR:	8.0GPM/(PSI) ½

NOT IN SCOPE - NO SPRINKLER PROTECTION

NEW WORK GENERAL NOTES

A. REFER TO FX001 FOR FIRE SUPPRESSION GENERAL NOTES, SYMBOLS AND LEGENDS.

B. REFER TO DRAWING FX002 & FX003 FOR FIRE SUPPRESSION DETAIL REQUIREMENTS.

C. REFER TO FX004 FOR IMPAIRMENT AND FIRE WATCH REQUIREMENTS.

D. REFER TO DRAWING FX005 FOR UL PIPING AND MISCELLANEOUS DETAIL REQUIREMENTS.

E. THE DRAWING SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES. THE SCALE INDICATED IS INTENDED FOR "GENERAL REFERENCE ONLY".

F. PROVIDE UL LISTED / FM APPROVED AUTOMATIC AIR RELEASE VALVE FOR WET PIPE SPRINKLER SYSTEM ON THIS FLOOR LEVEL. REFER TO SHEET FX-003, DETAIL 5 FOR AIR RELEASE VALVE PIPING CONFIGURATION.

G. A MAXIMUM OF TWO SPRINKLERS SHALL BE SUPPLIED FROM ONE (1) ONE-INCH OUTLET ON EXISTING BRANCH LINES. ADDITIONAL SPRINKLERS SHALL BE FROM CROSS MAINS.

H. THE FIRE PROTECTION CONTRACTOR SHALL COORDINATE ROUTING OF SPRINKLER LINES TO ENSURE PIPING DOES NOT PASS OVER ELECTRICAL PANELS.

I. ALL SPRINKLER HEADS SHALL BE PROVIDED WITH ARM OVERS.

J. SPRINKLER HEADS SHALL BE LOCATED A MINIMUM OF ONE(1) FOOT DISTANCE FROM ANY LIGHT FIXTURE USING ORDINARY TEMPERATURE SPRINKLER HEADS.

K. THE AUTOMATIC SPRINKLER CONTRACTOR SHALL PROVIDE ALL NECESSARY OFFSETS, RISES AND DROPS IN PIPING, AND AUXILIARY DRAINS AS REQUIRED BY THE VA FIRE PROTECTION DESIGN MANUAL, NFPA 13 AND NFPA 101, WHETHER SHOWN ON PLANS OR NOT.

L. ALL ARMOVERS ARE TO BE 1" UNLESS OTHERWISE NOTED.

M. ANY EXISTING PIPE OR DUCTWORK INSULATION THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REMOVED AND REPLACED WITH NEW INSULATION TO MATCH ADJACENT INSULATION AND COVERING AT THE FIRE PROTECTION CONTRACTOR'S EXPENSE.

N. THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH OTHER TRADES TO ELIMINATE CONFLICT WITH OTHER TRADES. ANY WORK INSTALLED BY THIS CONTRACTOR THAT RESULTS IN CONFLICT, DUE TO LACK OF COORDINATION BETWEEN TRADES, SHALL BE CHANGED AS DIRECTED BY THE ARCHITECT/ENGINEER WITHOUT ADDITIONAL COMPENSATION TO THE CONTRACTOR.

O. CUTTING AND PATCHING OF ANY EXISTING CONDITIONS INCLUDING FLOORS, WALLS, AND CEILINGS REQUIRED FOR THE INSTALLATION OF THE FIRE PROTECTION SYSTEM IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. ALL WORK SHALL BE COORDINATED WITH THE G.C. AND ALL OTHER TRADES.

P. ALL SHUTDOWNS SHALL BE COORDINATED AND APPROVED THROUGH THEOWNER'S REPRESENTATIVE AND WILL REQUIRE A MINIMUM OF 10 DAYS ADVANCE NOTICE THIS TIME LENGTH MAY BE LONGER OR SHORTER FOR SOME SHUT DOWNS AND SHALL BE AT THE OWNER'S DISCRETION. DRAINING AND REFILLING OF THE EXISTING SYSTEM IS A RESPONSIBILITY OF THE OWNER'S REPRESENTATIVE.

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R. RELOCATE EXISTING SPRINKLER PIPING AND ASSOCIATED SPRINKLER HEADS TO ACCOMMODATE NEW CEILING, STRUCTURAL SUPPORTS, WALLS, DUCTWORK, ETC.

S. ENSURE PIPING DOES NOT PASS OVER ELECTRICAL PANELS.

T. SPRINKLER HEADS SHALL BE LOCATED A MINIMUM OF ONE(1) FOOT DISTANCE FROM ANY LIGHT FIXTURE USING ORDINARY TEMPERATURE SPRINKLER HEADS.

U. FIRE PROTECTION CONTRACTOR SHALL REMOVE EXISTING SPRINKLER HEAD, BRANCH LINES, RELOCATION OF SPRINKLER MAIN, ETC., AND REWORK THE EXISTING PIPING, BRANCH LINES, SPRINKLER HEAD DROPS AND FURNISH NEW SPRINKLER HEADS AS REQUIRED TO ACCOMMODATE ARCHIITECTURAL FLOOR PLAN CHANGES.

V. REUSE OF ANY SPRINKLER HEAD THAT IS REMOVED FROM SERVICE IS NOT ACCEPTABLE; REFER TO NFPA 25, SECTION 5.4.1.1.

W. SPRINKLER HEADS SHALL NOT BE REQUIRED IN CLOTHES CLOSETS OF PATIENT SLEEPING ROOMS IN HOSPITALS WHERE THE AREA OF THE CLOSET DOES NOT EXCCED SIX (6) SQUARE FEET PROVIDED THE DISTANCE FROM THE SPRINKLER IN THE PATIENT SLEEPING ROOM TO THE BACK WALL OF THE CLOSET DOOR DOES NOT EXCEED THE MAXIMUM DISTANCE PERMITTED BY SECTON 9.5.3.2 OF NFPA 13.

NEW WORK KEYED NOTES

1. 2-1/2-INCH EXISTING FIRE SUPPRESSION FLOOR MAIN FOR SPRINKLER SYSTEM.
2. FIRE SPRINKLER HEADS IN CEILING PANELS SHALL MATCH THE COLOR OF THE PANELS. CONTRACTOR SHALL SUBMIT COLORS TO A/E PRIOR TO PROCUREMENT AND INSTALLATION.

MISCELLLANEOUS
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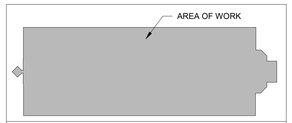
RDL = RELOCATED DEVICES, SHOWN IN FINAL LOCATION
RM = EXISTING DEVICES TO REMAIN
RV = EXISTING DEVICES TO BE REMOVED
RP = EXISTING DEVICES TO BE REPLACED WITH A NEW DEVICE
N = NEW DEVICE

WALL RATING LEGEND

	2 HR FIRE RATED
	1 HR FIRE RATED
	3 HR SMOKE BARRIER
	2 HR SMOKE BARRIER
	1 HR SMOKE BARRIER
	SMOKE PARTITION

2 FIRE SUPPRESSION CEILING PLAN - LEVEL 6
1/8" = 1'-0"



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Drawing Title: FIRE SUPPRESSION - LEVEL 06 - DESIGN CRITERIA	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: FX101
		Issue Date: 9/21/2023 · Checked: GAT · Drawn: JRC	

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TRAP PRIMER SCHEDULE

SYMBOL	DESCRIPTION
TP-2	TRAP PRIMER WITH A DISTRIBUTION UNIT. TRAP PRIMER SHALL BE INSTALLED ABOVE CEILING AND DISTRIBUTION UNIT SHALL BE MOUNTED IN A ACCESSIBLE LOCATION.

FLOOR DRAIN SCHEDULE

SYMBOL	DESCRIPTION
FD-B	FLOOR DRAIN, DURA COATED CAST IRON BODY, COMBINATION INVERTIBLE MEMBRANE CLAMP/ADJUSTABLE COLLAR, 6" DIAMETER MEDIUM DUTY VERTICALLY ADJUSTABLE SATIN FINISH VANDAL PROOF TOP, AND FIXED STAINLESS STEEL STRAINER. PROVIDE TRAP PRIMER **TP-2** FOR EACH FLOOR DRAIN.
FD-E	FLOOR DRAIN, DURA COATED CAST IRON BODY, COMBINATION INVERTIBLE MEMBRANE CLAMP/ADJUSTABLE COLLAR, 9" DIAMETER HEAVY DUTY VERTICALLY ADJUSTABLE CAST IRON FINISH VANDAL PROOF TOP, AND FIXED DURESIST STRAINER. PROVIDE TRAP PRIMER **TP-2** FOR EACH FLOOR DRAIN.
FS-A	ZURB ZS-1901 FLOOR SINK, 8" SUMP DEPTH, COATED CAST IRON BODY, AND SQUARE STAINLESS STEEL FRAME AND FULL GRATE, WITH WHITE ACID RESISTING PORCELAIN ENAMEL INTERIOR AND TOP, COMPLETE WITH WHITE ABS ANTI-SPLASH INTERIOR BOTTOM DOME STRAINER.

ACCEPTED EQUALS - J.R. SMITH, JOSAM

CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE MODEL WHICH MOST CLOSELY RESEMBLES AND PERFORMS EQUAL TO THE SPECIFIED PRODUCT. ONLY THE MANUFACTURERS LISTED WILL BE ACCEPTED UNLESS THE PROCEDURES FOR SUBSTITUTION AS INDICATED BY THE SPECIFICATIONS, ARE FOLLOWED. NO PRIVATE LABELED PRODUCTS WILL BE ACCEPTED FOR THOSE SPECIFIED WITHIN.

* NOTE: SET ALL FLOOR DRAINS A MINIMUM OF 3/4" BELOW FINISHED FLOOR TO ALLOW FOR FLOOR SLOPE.*

RECIRCULATION PUMP SCHEDULE

PUMP	SERVICE	TYPE	CAPACITY		VOLTAGE/ PHASE /CYCLES	HP	REMARKS	PUMP LOCATION
			GPM	HEAD (FT)				
RCP-1	HOT WATER RECIRC.	TYPE	22.5	19.69	115V/1PH/60HZ	1/6	VARIABLE SPEED, IN LINE RECIRCULATION PUMP WITH AUTO ADJUSTMENTS, AND BUILT-IN HEAT ENERGY METER	ABOVE CEILING LAUNDRY ROOM 647/SEE SHEET PP100

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	CONNECTIONS				SPECIFICATIONS	REMARKS
		W	V	CW	HW		
P-101	WATERCLOSET - FLOOR MOUNTED - FLUSH VALVE - ADA	4"	2"	1-1/4"	-	TOILET - 1.6GPF VITREOUS CHINA ELONGATED TOILET WITH 1-1/2" TOP SPUD, 2-1/8" TRAPWAY, 16-1/2" RIM HEIGHT, AND BOLT CAPS. FLUSH VALVE - FLUSHOMETER WITH ADA COMPLIANT HANDLE, VANDAL RESISTANT STOP CAP WITH SET SCREW, SWEAT SOLDER ADAPTER WITH COVER TUBE, AND CAST SET SCREW WALL FLANGE. SEAT - EXTRA HEAVY DUTY OPEN FRONT SEAT WITH STAINLESS STEEL CHECK HINGES LESS COVER.	PROVIDE EACH ROUGH-IN WITH **SA-A** SHOCK ARRESTOR PROVIDE EACH TOILET WITH 4" SANITARY CLEANOUT
P-201	URINAL - FLUSH VAVLE - ADA -	2"	2"	3/4"	-	TOILET - HIGH EFFICIENCY URINAL SYSTEM. VITREOUS CHINA, DEEP SUMP, 3/4" TOP SPUD. FLUSH VALVE - .125GPF FLUSH VALVE WITH HYDROELECTRIC FLUSH VALVE SYSTEM.	PROVIDE EACH ROUGH-IN WITH **SA-A** SHOCK ARRESTOR
P-301	BATHTUB - GERIATRIC - ADA -	3" FS-A	2"	3/4"	3/4"	TUB/FAUCET - FREE STANDING TYPE HYDRO MASSAGE BATHTUB WITH WALL MOUNTED MIXING VALVE, FILL CONTROL VALVE, AND DRAIN. PLUMBING CONTRACTOR TO MAKE FINAL PLUMBING CONNECTIONS. DRAIN - PROVIDE 3" FS-A.	
P-414	LAVATORY - WALL MOUNT - ADA -	2"	2"	1/2"	1/2"	LAVATORY - 20-1/2"X18-1/4" WHITE VITREOUS CHINA WALL MTD. LAVATORY WITH 8" FAUCET CENTERS, LESS OVERFLOW. FAUCET - LEAD FREE DECK MOUNTED 8" SPREAD CHROME PLATED FAUCET WITH 4" WRIST BLADES, 5-1/4" C-C RIGID SPOUT, 2.2GPM LAMINAR FLOW, AND CERAMIC CARTRIDGES. ANGLE STOP - LEAD FREE LAVATORY SUPPLY KIT WITH (2) 1/2"IPS X 3/8"OD LOOSE KEY STOPS, 15" FLEXIBLE COPPER SUPPLY, AND SHALLOW STEEL FLANGES. ALL COMPONENTS SHALL BE CHROME PLATED DRAIN - OFFSET STRAINER WITH 1-1/4"X4" BRASS 17GA TAILPIECE, SANIGUARD, AND LOCK SLIP NUT. P-TRAP- 1-1/4" X 1-1/2" 17GA SEAMLESS BRASS CONSTRUCTION AND BRASS SLIP NUTS. ALL COMPONENTS SHALL BE CHROME PLATED. CARRIER - CONCEALED ARM LAVATORY CARRIER WITH DURA-COATED RECTANGULAR STEEL UPRIGHTS WITH WELDED FEET, CAST IRON ADJUSTABLE HEADERS, CONCEALED ARMS, STEEL SLEEVES, ALIGNMENT TRUSS, AND MOUNTING FASTENERS.	PROVIDE WITH LAV SHIELD COVER PROVIDE WITH WATTS MODEL LFUSG-HWP-SC ASSE1070 MIXING VALVE THAT HAS CAPABILITY TO DO HOT WATER FLUSHES TO MITIGATE LEGIONELLA
P-417	LAVATORY - COUNTER MOUNT - SOLID SURFACE -	2"	2"	1/2"	1/2"	LAVATORY - SOLID SURFACE LAVATORY LESS OVERFLOW. FAUCET - LEAD FREE DECK MOUNTED 8" SPREAD CHROME PLATED FAUCET WITH 4" WRIST BLADES, 5-1/4" C-C RIGID SPOUT, 2.2GPM LAMINAR FLOW, AND CERAMIC CARTRIDGES. ANGLE STOP - LEAD FREE LAVATORY SUPPLY KIT WITH (2) 1/2"IPS X 3/8"OD LOOSE KEY STOPS, 15" FLEXIBLE COPPER SUPPLY, AND SHALLOW STEEL FLANGES. ALL COMPONENTS SHALL BE CHROME PLATED DRAIN - OFFSET STRAINER WITH 1-1/4"X4" BRASS 17GA TAILPIECE, SANIGUARD, AND LOCK SLIP NUT. P-TRAP- 1-1/4" X 1-1/2" 17GA SEAMLESS BRASS CONSTRUCTION AND BRASS SLIP NUTS. ALL COMPONENTS SHALL BE CHROME PLATED.	COORDINATE SINK DEPTH WITH CASEWORK. PROVIDE WITH WATTS MODEL LFUSG-HWP-SC ASSE1070 MIXING VALVE THAT HAS CAPABILITY TO DO HOT WATER FLUSHES TO MITIGATE LEGIONELLA
P-524	STAINLESS STEEL- DOUBLE BOWL SINK - ADA -	2"	2"	1/2"	1/2"	SINK - 33"X22"X10-1/8" DEEP TOP MOUNT, FULLY UNDERCOATED, 18 GA. TYPE 304 DOUBLE BOWL STAINLESS STEEL SINK. FAUCET - DECK MOUNTED 8" FIXED CENTER 8"GOOSENECK, 2.2 GPM LAMINAR FLOW, 4" VANDAL PROOF WRISTBLADE HANDLES, AND CERAMIC 1/4 TURN OPERATING CARTRIDGE. ANGLE STOP - LOOSE KEY ANGLE STOP 1/2" IPS FEMALE INLET AND 3/8"x12" LONG CHROME PLATED FLEXIBLE TUBE. PROVIDE WITH CHROME PLATED OR STAINLESS STEEL LOOSE KEY CAP. P-TRAP - 1-1/2" X 1-1/2" P-TRAP WITH ESCUTCHEON. DRAIN - FLAT GRID STRAINER WITH 1-1/2"X4" TAILPIECE.	COORDINATE SINK DEPTH WITH CASEWORK. PROVIDE WITH WATTS MODEL LFUSG-HWP-SC ASSE1070 MIXING VALVE THAT HAS CAPABILITY TO DO HOT WATER FLUSHES TO MITIGATE LEGIONELLA
P-528	STAINLESS STEEL- SINGLE BOWL SINK - ADA -	2"	2"	1/2"	1/2"	SINK - 19"X18"X5.5" DEEP TOP MOUNT, FULLY UNDERCOATED, 18 GA. TYPE 304 STAINLESS STEEL SINK. FAUCET - DECK MOUNTED 8" FIXED CENTER 8"GOOSENECK, 2.2 GPM LAMINAR FLOW, 4" VANDAL PROOF WRISTBLADE HANDLES, AND CERAMIC 1/4 TURN OPERATING CARTRIDGE. ANGLE STOP - LOOSE KEY ANGLE STOP 1/2" IPS FEMALE INLET AND 3/8"x12" LONG CHROME PLATED FLEXIBLE TUBE. PROVIDE WITH CHROME PLATED OR STAINLESS STEEL LOOSE KEY CAP. P-TRAP - 1-1/2" X 1-1/2" P-TRAP WITH ESCUTCHEON. DRAIN - FLAT GRID STRAINER WITH 1-1/2"X4" TAILPIECE.	PROVIDE WITH WATTS MODEL LFUSG-HWP-SC ASSE1070 MIXING VALVE THAT HAS CAPABILITY TO DO HOT WATER FLUSHES TO MITIGATE LEGIONELLA
P-502	MOP BASIN -	3"	2"	3/4"	3/4"	BASIN - 24"x24"x12" TERRAZZO MOP BASIN WITH STAINLESS STEEL FACTORY INSTALLED DRAIN BODY COMPLETE WITH JOINT CONNECTOR FOR A 3" DRAIN PIPE. COMBINATION DOME STRAINER, MOP HANGER, HOSE BRACKET WITH HOSE, STAINLESS STEEL LINT BASKET, AND MSG WALL GUARDS. FAUCET - CHROME PLATED FAUCET WITH INTEGRAL STOPS, VACUUM BREAKER, CERAMIC CARTRIDGES, GARDEN HOSE THREAD OUTLET, PAIL HOOK, AND WALL BRACE.	PROVIDE MOP HANGER AT 60" A.F.F., PROVIDE HOSE AND HOSE BRACKET. SEE DETAIL 11/P002 FOR MOUNTING CONFIGURATION. PROVIDE WITH HOSE SILL WITH DUAL CHECK VACUUM BREAKER FOR CHEMICAL DISTRIBUTION UNIT PROVIDE WITH WATTS MODEL LFUSG-HWP-SC ASSE1070 MIXING VALVE THAT HAS CAPABILITY TO DO HOT WATER FLUSHES TO MITIGATE LEGIONELLA
P-701	SHOWER - ADA -	3"	2"	1/2"	1/2"	SHOWER - FINISHED SURFACE SHALL BE SANITARY GRADE SOLID SURFACE. PROVIDE WITH EASY BASE SELF SUSTAINING BOTTOM. SHOWER VALVE - SINGLE STAGE SHOWER VALVE WITH WALL TRIM ROUND FACE PLATE, INTEGRAL CHECK VALVES, DIVERTER VALVE, AND VACUUM BREAKER WITH 2.5 GPM SHOWER HEAD. DRAIN - PROVIDE WITH LUXE MODEL WW-60-POL 60" LINEAR SHOWER WEDGEWIRE TRENCH DRAIN FINISHED WITH POLISHED STAINLESS.	INSTALL PER MANUFACTURER'S REQUIREMENTS FOR ADA COMPLIANCE. PROVIDE CHECK VALVE ON HOT WATER SIDE. PROVIDE WITH WATTS MODEL LFUSG-HWP-SC ASSE1070 MIXING VALVE THAT HAS CAPABILITY TO DO HOT WATER FLUSHES TO MITIGATE LEGIONELLA
P-702	SHOWER - ADA -	3"	2"	1/2"	1/2"	SHOWER - FINISHED SURFACE SHALL BE SANITARY GRADE SOLID SURFACE. PROVIDE WITH EASY BASE SELF SUSTAINING BOTTOM. SHOWER VALVE - SINGLE STAGE SHOWER VALVE WITH WALL TRIM ROUND FACE PLATE, INTEGRAL CHECK VALVES, DIVERTER VALVE, AND VACUUM BREAKER WITH 2.5 GPM SHOWER HEAD. DRAIN - PROVIDE WITH FLOOR DRAIN FD-B IN CENTER OF SHOWER.	INSTALL PER MANUFACTURER'S REQUIREMENTS FOR ADA COMPLIANCE. PROVIDE CHECK VALVE ON HOT WATER SIDE. PROVIDE WITH WATTS MODEL LFUSG-HWP-SC ASSE1070 MIXING VALVE THAT HAS CAPABILITY TO DO HOT WATER FLUSHES TO MITIGATE LEGIONELLA
P-808	WASHER MACHINE DRAIN BOX -	2"	2"	1/2"	1/2"	WALL BOX - WHITE POWDER COATED WATER SUPPLY BOX WITH DUAL OUTLETS AND BRASS QUARTER TURN VALVE.	PROVIDE WATER SUPPLY WITH SPILL RESISTANT VACUUM BREAKER

CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE MODEL WHICH MOST CLOSELY RESEMBLES AND PERFORMS EQUAL TO THE SPECIFIED PRODUCT. ONLY THE MANUFACTURERS LISTED WILL BE ACCEPTED UNLESS THE PROCEDURES FOR SUBSTITUTION AS INDICATED BY THE SPECIFICATIONS, ARE FOLLOWED. NO PRIVATE LABELED PRODUCTS WILL BE ACCEPTED FOR THOSE SPECIFIED WITHIN.

GENERAL NOTES:
1. PROVIDE TRUEBRO 'LAV-GUARD' INSULATING SAFETY COVERS FOR ADA ACCESSIBLE SINKS WITH EXPOSED HOT AND COLD WATER SUPPLIES, DRAINS, AND P-TRAPS. COLOR SHALL MATCH THE FIXTURE. COORDINATE WITH PROJECT ARCHITECT
2. ALL FAUCETS, VALVES, AND EQUIPMENT SHALL BE LEAD FREE, BEARING NFS 61 APPROVAL
3. PROFLO, MAINLINE OR OTHER SIMILAR TYPE QUALITY EQUIPMENT AND ACCESSORIES SHALL NOT BE SUPPLIED FOR THIS PROJECT. SUCH PRODUCT LINES WILL BE REJECTED.

CLEANOUT SCHEDULE

SYMBOL	DESCRIPTION
CO	CLEANOUT, DUCO-COATED CAST IRON SPIGOT FERRULE WITH CAST BRONZE TAPER THREAD PLUG, NO-HUB CONNECTION, GAS AND WATERTIGHT.
FCO	FLOOR CLEANOUT, DURA-COATED CAST IRON BODY, HUB CONNECTION, GAS AND WATERTIGHT TAPERED THREADED ABS PLUG AND ROUND SCORIATED NICKEL BRONZE TOP.
GCO	GRADE CLEANOUT WITH NON-TILT TRACTOR COVER AND CAST IRON BODY WITH GAS AND WATERTIGHT ABS TAPERED THREADED PLUG.
WCO	WALL CLEANOUT TEE, DURA-COATED CAST IRON BODY, NO-HUB CONNECTION, GAS AND WATERTIGHT TAPERED THREADED ABS PLUG AND SMOOTH STAINLESS STEEL WALL ACCESS COVER. LOCATE 24" OR LESS ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.

CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE MODEL WHICH MOST CLOSELY RESEMBLES AND PERFORMS EQUAL TO THE SPECIFIED PRODUCT. ONLY THE MANUFACTURERS LISTED WILL BE ACCEPTED UNLESS THE PROCEDURES FOR SUBSTITUTION AS INDICATED BY THE SPECIFICATIONS, ARE FOLLOWED.

PLUMBING LEGEND

GENERAL

ELBOW DN	
ELBOW UP	
PIPE CONTINUES	
CONNECT TO EXISTING	
DEMO TO EXISTING	
BALL VALVE	

ABBREVIATIONS

ABOVE FINISHED CEILING	AFC
ABOVE FINISHED FLOOR	AFF
BELOW FINISHED FLOOR	BFF
CLEANOUT	CO
COLD WATER	CW
DOWN	DN
EXISTING	(E)
HOSE BIBB	HB
HOT WATER	HW
HOT WATER RETURN	HWR
PUMP DISCHARGE	PD
PLUMBING DRAINAGE INSTITUTE	P.D.I.
SHOCK ARRESTOR & PDI SIZE	SA-A
VACUUM	V
VENT THROUGH ROOF	VTR
WASTE	W

PIPING

SANITARY WASTE BELOW FINISHED FLOOR	W
SANITARY VENT ABOVE FINISHED CEILING	V
COLD WATER ABOVE FINISHED CEILING	CW
HOT WATER ABOVE FINISHED CEILING	HW
HOT WATER RETURN ABOVE FINISHED CEILING	HWR
EXISTING SANITARY WASTE BELOW FINISHED FLOOR	(E)W
EXISTING SANITARY VENT ABOVE FINISHED CEILING	(E)V
EXISTING COLD WATER ABOVE FINISHED CEILING	(E)CW
EXISTING HOT WATER ABOVE FINISHED CEILING	(E)HW
EXISTING HOT WATER RETURN ABOVE FINISHED CEILING	(E)HWR
EXISTING SYSTEM TO BE DEMOLISHED	

WASTE AND VENT PIPING TABLES 702.1, 702.2, 702.3 & 702.4

DRAIN, WASTE AND VENT PIPING SHALL BE SELECTED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE - 2012 EDITION, TABLE 702.1, 702.2, 702.3 & 702.4. (REFER TO PLUMBING SPECIFICATIONS FOR SPECIFIED PIPING MATERIAL.)

DOMESTIC WATER PIPING TABLES 605.3, 605.4 & 605.5

POTABLE WATER PIPING SHALL BE SELECTED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE - 2012 EDITION TABLE 605.3, 605.4 & 605.5. (REFER TO PLUMBING SPECIFICATIONS FOR SPECIFIED PIPING MATERIAL.)

SHOCK ARRESTOR SCHEDULE

P.D.I. SIZE	FIXTURE TAG	FIXTURE UNITS	MANUFACTURER OR EQUAL
A	SA-A	1 - 11	ZURN, JOSAM, SMITH, PPI, INC.
B	SA-B	12 - 32	ZURN, JOSAM, SMITH, PPI, INC.
C	SA-C	33 - 60	ZURN, JOSAM, SMITH, PPI, INC.
D	SA-D	61 - 113	ZURN, JOSAM, SMITH, PPI, INC.

GENERAL NOTE: ALL ARRESTORS SHALL BE LEAD FREE, BEARING NFS 61 APPROVAL.

PLUMBING - DRAWING INDEX

Sheet Number	Sheet Name
P001	PLUMBING - SCHEDULES, NOTES, AND DRAWING INDEX
P002	PLUMBING - DETAILS
PD100	PLUMBING - LEVEL 06 - DEMOLITION
PP100	PLUMBING - LEVEL 06 - NEW WORK - DOMESTIC
PP101	PLUMBING - LEVEL 06 - NEW WORK - SANITARY

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: PLUMBING - SCHEDULES, NOTES, AND DRAWING INDEX	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: P001
		Issue Date: 9/21/2023 · Checked: GAT · Drawn: DAS	

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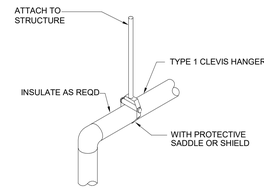
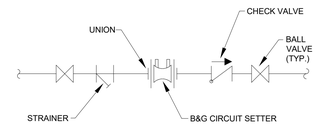
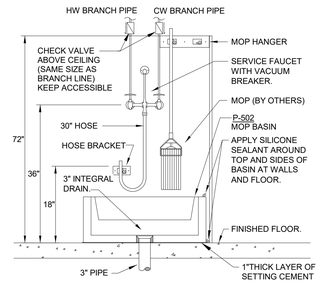


TYPE 1 CLEVIS HANGER NTS **8**

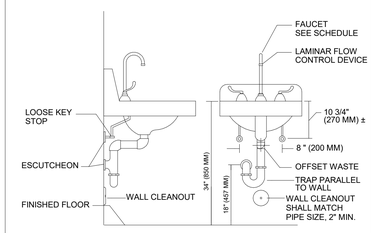


GENERAL NOTES:
1. PROVIDE DIELECTRIC UNIONS AT ALL CONNECTION POINTS CONNECTING DISSIMILAR METALS.
2. PROVIDE FLOW CONTROL DEVICE SHOWN ABOVE OR APPROVED EQUAL AT ALL LOCATIONS WHERE BALANCING VALVES ARE REQUIRED.

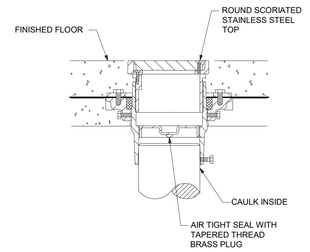
FLOW CONTROL DEVICE NTS **4**



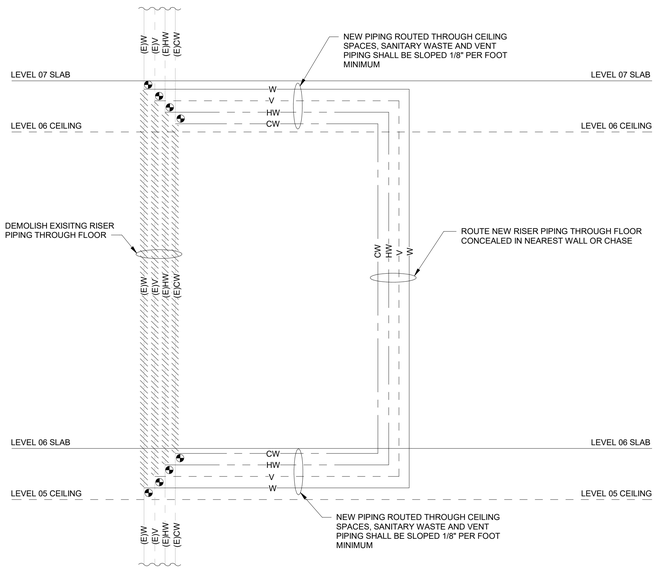
MOP SINK BASIN DETAIL NTS **11**



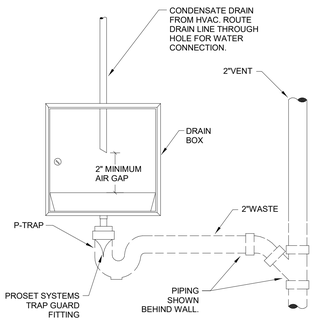
TYP. WHEELCHAIR LAVATORY NTS **7**



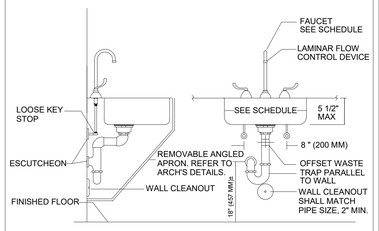
FLOOR CLEANOUT DETAIL NTS **3**



RISER DIAGRAM RELOCATION DETAIL NTS **12**

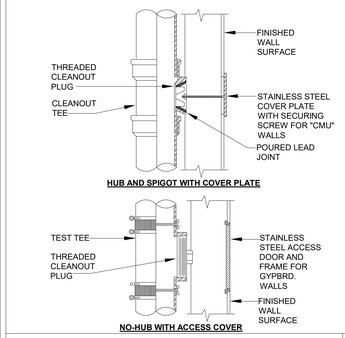


CONDENSATE DRAIN BOX DETAIL NTS **10**

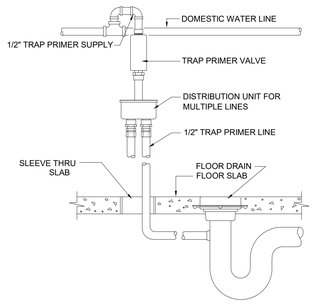


NOTE: SINK DEPTH AND LOCATION TO BE CONFIRMED BY PC WITH GC AND MILLWORK VENDOR PRIOR TO ORDERING.

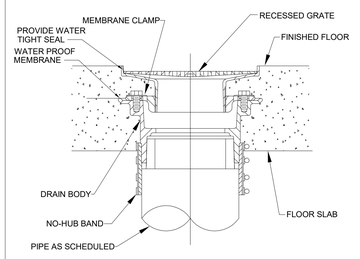
TYPICAL SS SINK NTS **6**



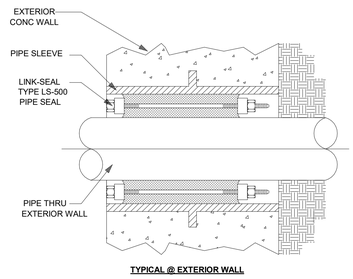
WALL CLEANOUT NTS **2**



TRAP PRIMER DETAIL NTS **9**



FLOOR DRAIN DETAIL NTS **5**



PIPE LINK SEAL NTS **1**

Revisions:	Date:

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STATE OF NORTH CAROLINA PE0335-10 PROFESSIONAL ENGINEER GREGORY A. TURNER 09/21/23

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
PLUMBING - DETAILS	100% CONSTRUCTION DOCUMENTS	RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: P002
		Issue Date: 9/21/2023 · Checked: GAT · Drawn: DAS	

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GENERAL NOTES

A. THE PLUMBING CONTRACTOR SHALL VERIFY AND COORDINATE THE INSTALLATION OF THE PLUMBING SYSTEMS WITH OTHER TRADES PRIOR TO INSTALLATION TO AVOID CONFLICTS ABOVE CEILING AND BELOW FLOORS.

B. THE PLUMBING CONTRACTOR SHALL VERIFY ALL WASTE AND WATER REQUIREMENTS AND LOCATIONS FOR CONNECTING OWNERS EQUIPMENT PRIOR TO INSTALLATION. PROVIDE ALL NECESSARY MATERIALS AND COMPONENTS. VERIFY AND INSTALL PER MANUFACTURES WRITTEN SPECIFICATIONS, INSTRUCTIONS, AND ALL LOCAL AND NATIONAL CODES.

C. PLUMBING CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL PLANS ALL FIRE OR SMOKE RATED BARRIERS, WALLS, OR PARTITIONS, AND ALL LOCAL NATIONAL CODES.

D. PLUMBING CONTRACTOR SHALL NOT INSTALL SHUT-OFF VALVES ABOVE WHERE ANY SHEET ROCK CEILINGS ARE TO BE INSTALLED. WHERE VALVES DO OCCUR, A 2'X2' ACCESS PANEL SHALL BE INSTALLED. ARCHITECT SHALL BE NOTIFIED BEFORE PANEL IS INSTALLED.

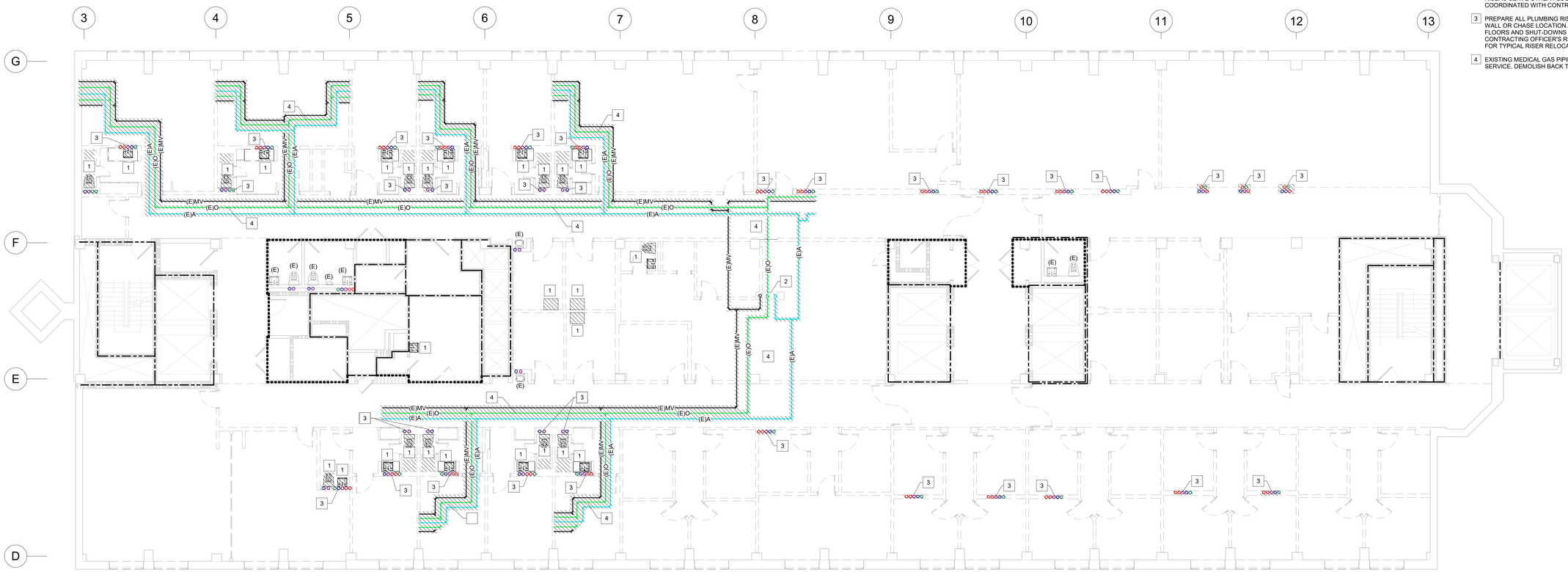
E. THE PLUMBING CONTRACTOR SHALL VERIFY AND COORDINATE ALL PIPING INVERTS WITH EXISTING CONDITIONS PRIOR TO NEW INSTALLATIONS. PLUMBING DOCUMENTS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO INCLUDE EVERY ASPECT OF THE REQUIRED WORK. PLUMBING CONTRACTOR SHALL ENSURE A COMPLETE AND WORKING SYSTEM IS INSTALLED.

F. FIELD VERIFY EXACT LOCATION AND SIZE OF WASTE, VENT, STORM, AND WATER PIPING RISERS PRIOR TO ANY DEMOLITION AND RELOCATION. CONTACT ENGINEER ONCE PIPING SYSTEMS HAVE BEEN UNCOVERED/EXPOSED.

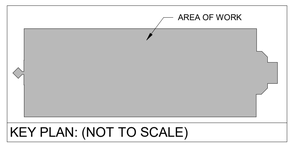
G. ALL DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR TO PROVIDE COORDINATION DOCUMENTS IN ACCORDANCE WITH THE SPECIFICATIONS. ADDITIONAL TRANSITIONS REQUIRED DUE TO FIELD CONDITIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

DEMOLITION KEYED NOTES

1. DEMOLISH EXISTING PLUMBING FIXTURE AND ROUGH-INS COMPLETE.
2. EXISTING OXYGEN, MEDICAL VACUUM, AND MEDICAL AIR RISERS TO BE RELOCATED TO NEAREST NEW WALL OR CHASE. MEDICAL GAS RISERS SERVE OTHER FLOORS AND SHUT-DOWNS SHALL BE COORDINATED WITH CONTRACTING OFFICER'S REPRESENTATIVE.
3. PREPARE ALL PLUMBING RISER PIPING TO BE RELOCATED TO NEW WALL OR CHASE LOCATION. PLUMBING RISERS SERVE OTHER FLOORS AND SHUT-DOWNS SHALL BE COORDINATED WITH CONTRACTING OFFICER'S REPRESENTATIVE. SEE DETAIL 12/P002 FOR TYPICAL RISER RELOCATION.
4. EXISTING MEDICAL GAS PIPING ABOVE CEILING NO LONGER IN SERVICE, DEMOLISH BACK TO RISERS AND CAP.



1 PLUMBING - LEVEL 06 - DEMOLITION
1/8" = 1'-0"



KEY PLAN: (NOT TO SCALE)

GRAPHIC SCALE

8 0 4 8 16 32

(in Feet)
1 inch = 8 ft.

Revisions:	Date:

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NORTH CAROLINA PE003510 PROFESSIONAL ENGINEER GREGORY A. TURNER 09/21/23

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	PLUMBING - LEVEL 06 - DEMOLITION
Approved:	
Phase	100% CONSTRUCTION DOCUMENTS
	FULLY SPRINKLERED
Project Title	RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC
Project Number	508-22-105
Building Number	C
Location	1670 CLAIRMONT RD, DECATUR, GA
Issue Date	9/21/2023
Checked	GAT
Drawn	DAS
Drawing Number	PD100

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DRAINAGE AND WATER SUPPLY CALCULATIONS

FIXTURE TYPE	QUANTITY	WASTE FIXTURE UNITS		HOT WATER FIXTURE UNITS		COLD WATER FIXTURE UNITS		TOTAL WATER FIXTURE UNITS	
		PER UNIT	TOTAL	PER UNIT	TOTAL	PER UNIT	TOTAL	PER UNIT	TOTAL
WATER CLOSET - FLUSH VALVE	16	4.0	64	---	---	6.0	96	6.0	96
LAVATORY	16	1.0	16	0.5	8	0.5	8	0.7	11.2
SINKS	4	2.0	8	1.0	4	1.0	4	1.4	5.6
MOP BASIN	1	2.0	2	2.25	2.25	2.25	2.25	3.0	3.0
SHOWERS/BATHTUB	15	2	30	1	15	1	15	1.4	21
WASHER MACHINE	2	2.0	4	1.0	2	1.0	2	1.4	2.8
TOTAL			124		31.25		127.25		139.6

WALL RATING LEGEND

- 2 HR FIRE RATED
- 1 HR FIRE RATED
- 3 HR SMOKE BARRIER
- 2 HR SMOKE BARRIER
- 1 HR SMOKE BARRIER
- SMOKE PARTITION

GENERAL NOTES

A. THE PLUMBING CONTRACTOR SHALL VERIFY AND COORDINATE THE INSTALLATION OF THE PLUMBING SYSTEMS WITH OTHER TRADES PRIOR TO INSTALLATION TO AVOID CONFLICTS ABOVE CEILING AND BELOW FLOORS.

B. THE PLUMBING CONTRACTOR SHALL VERIFY ALL WASTE AND WATER REQUIREMENTS AND LOCATIONS FOR CONNECTING OWNERS EQUIPMENT PRIOR TO INSTALLATION. PROVIDE ALL NECESSARY MATERIALS AND COMPONENTS. VERIFY AND INSTALL PER MANUFACTURES WRITTEN SPECIFICATIONS, INSTRUCTIONS, AND ALL LOCAL AND NATIONAL CODES.

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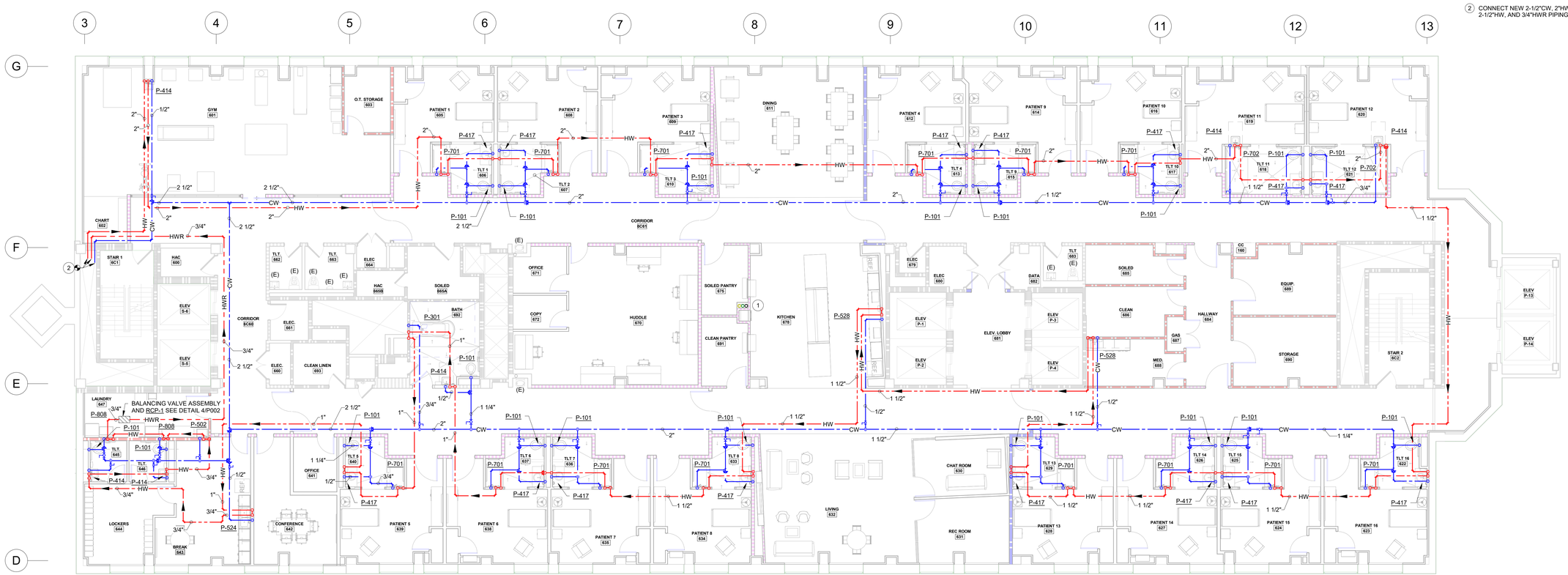
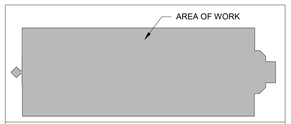
G. ALL DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR TO PROVIDE COORDINATION DOCUMENTS IN ACCORDANCE WITH THE SPECIFICATIONS. ADDITIONAL TRANSITIONS REQUIRED DUE TO FIELD CONDITIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

NEW WORK KEYED NOTES

1. OFFSET EXISTING 4" VACUUM, 1-1/2" MEDICAL AIR, AND 1-1/2" OXYGEN RISERS TO NEW CHASE. COORDINATE MEDICAL GAS SHUT-DOWN WITH CONTRACTING OFFICER'S REPRESENTATIVE.
2. CONNECT NEW 2-1/2"CW, 2"HW, AND 3/4"HWR TO EXISTING 3"CW, 2-1/2"HW, AND 3/4"HWR PIPING CAPPED OFF IN STAIR NO 1.



1 PLUMBING - LEVEL 06 - NEW WORK - DOMESTIC
1/8" = 1'-0"



KEY PLAN: (NOT TO SCALE)

GRAPHIC SCALE
8 0 4 8 16 32
(in Feet)
1 inch = 8 ft.

Revisions:	Date:

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STATE OF NORTH CAROLINA PE033510 PROFESSIONAL ENGINEER GREGORY A. TURNER 09/21/23

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: PLUMBING - LEVEL 06 - NEW WORK - DOMESTIC	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: PP100
		Issue Date: 9/21/2023 · Checked: GAT · Drawn: DAS	

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DRAINAGE AND WATER SUPPLY CALCULATIONS

FIXTURE TYPE	QUANTITY	WASTE FIXTURE UNITS		HOT WATER FIXTURE UNITS		COLD WATER FIXTURE UNITS		TOTAL WATER FIXTURE UNITS	
		PER UNIT	TOTAL	PER UNIT	TOTAL	PER UNIT	TOTAL	PER UNIT	TOTAL
WATER CLOSET - FLUSH VALVE	16	4.0	64	---	---	6.0	96	6.0	96
LAVATORY	16	1.0	16	0.5	8	0.5	8	0.7	11.2
SINKS	4	2.0	8	1.0	4	1.0	4	1.4	5.6
MOP BASIN	1	2.0	2	2.25	2.25	2.25	2.25	3.0	3.0
SHOWERS/BATHTUB	15	2	30	1	15	1	15	1.4	21
WASHER MACHINE	2	2.0	4	1.0	2	1.0	2	1.4	2.8
TOTAL			124		31.25		127.25		139.6

WALL RATING LEGEND

- 2 HR FIRE RATED
- 1 HR FIRE RATED
- 3 HR SMOKE BARRIER
- 2 HR SMOKE BARRIER
- 1 HR SMOKE BARRIER
- SMOKE PARTITION

GENERAL NOTES

A. THE PLUMBING CONTRACTOR SHALL VERIFY AND COORDINATE THE INSTALLATION OF THE PLUMBING SYSTEMS WITH OTHER TRADES PRIOR TO INSTALLATION TO AVOID CONFLICTS ABOVE CEILING AND BELOW FLOORS.

B. THE PLUMBING CONTRACTOR SHALL VERIFY ALL WASTE AND WATER REQUIREMENTS AND LOCATIONS FOR CONNECTING OWNERS EQUIPMENT PRIOR TO INSTALLATION. PROVIDE ALL NECESSARY MATERIALS AND COMPONENTS. VERIFY AND INSTALL PER MANUFACTURES WRITTEN SPECIFICATIONS, INSTRUCTIONS, AND ALL LOCAL AND NATIONAL CODES.

C. PLUMBING CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL PLANS ALL FIRE OR SMOKE RATED BARRIERS, WALLS, OR PARTITIONS, AND ALL LOCAL NATIONAL CODES.

D. PLUMBING CONTRACTOR SHALL NOT INSTALL SHUT-OFF VALVES ABOVE WHERE ANY SHEET ROCK CEILINGS ARE TO BE INSTALLED. WHERE VALVES DO OCCUR, A 2'X2' ACCESS PANEL SHALL BE INSTALLED. ARCHITECT SHALL BE NOTIFIED BEFORE PANEL IS INSTALLED.

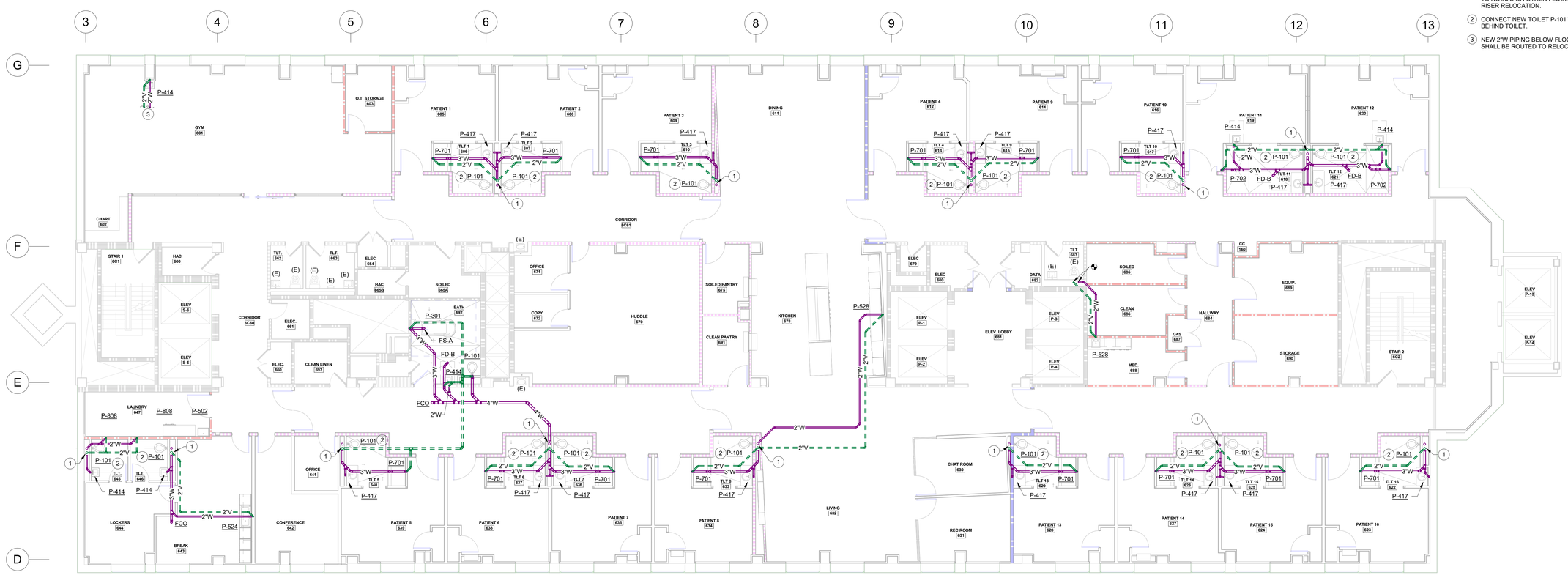
E. THE PLUMBING CONTRACTOR SHALL VERIFY AND COORDINATE ALL PIPING INVERTS WITH EXISTING CONDITIONS PRIOR TO NEW INSTALLATIONS. PLUMBING DOCUMENTS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO INCLUDE EVERY ASPECT OF THE REQUIRED WORK. PLUMBING CONTRACTOR SHALL ENSURE A COMPLETE AND WORKING SYSTEM IS INSTALLED.

F. FIELD VERIFY EXACT LOCATION AND SIZE OF WASTE, VENT, STORM, AND WATER PIPING RISERS PRIOR TO ANY DEMOLITION AND RELOCATION. CONTACT ENGINEER ONCE PIPING SYSTEMS HAVE BEEN UNCOVERED/EXPOSED.

G. ALL DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR TO PROVIDE COORDINATION DOCUMENTS IN ACCORDANCE WITH THE SPECIFICATIONS. ADDITIONAL TRANSITIONS REQUIRED DUE TO FIELD CONDITIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

NEW WORK KEYED NOTES

1. NEW 4"W AND 3"V RISERS TO CONNECT TO EXISTING 4"W AND 3"V RISERS BELOW FLOOR AND ABOVE CEILING. RISER CONNECTIONS AND RELOCATIONS WILL REQUIRE COORDINATION OF SHUTDOWNS TO ROOMS ON OTHER FLOORS. SEE DETAIL 12/P002 FOR TYPICAL RISER RELOCATION.
2. CONNECT NEW TOILET P-101 TO NEW 4"W RISER LOCATED DIRECTLY BEHIND TOILET.
3. NEW 2"W PIPING BELOW FLOOR AND NEW 2"V PIPING ABOVE CEILING SHALL BE ROUTED TO RELOCATED RISER R19 PIPING.



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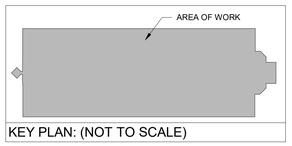

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MECHANICAL SYMBOLS

(NOTE: SYMBOLS WITHIN THIS SCHEDULE ARE REPRESENTATIVE OF THOSE TYPICALLY FOUND ON THE DRAWINGS. ALL SYMBOLS MAY NOT APPEAR ON THIS SET OF DRAWINGS.)

VALVES

- ANGLE VALVE
- BALL VALVE
- BUTTERFLY VALVE
- CHECK VALVE
- ISOLATION VALVE
- GLOBE VALVE
- PLUG VALVE WITH PRESSURE GAUGE CONNECTION ONLY
- PRESSURE INDEPENDANT CONTROL VALVE
- AUTOMATIC CONTROL VALVE
- THREE WAY VALVE
- TRIPLE DUTY VALVE

ACCESSORIES

- ANCHOR POINT
- CONCENTRIC REDUCER
- DIRECTION OF FLOW
- DIRECTION OF SLOPE
- DRAIN POINT OF PIPE
- ECCENTRIC REDUCER
- FLOW CONTROL DEVICE
- AUTOMATIC FLOW LIMITING DEVICE (SEE SPECS)
- FLOW SWITCH
- MEDIUM PRESSURE TRAP ASSEMBLY
- LOW PRESSURE TRAP ASSEMBLY
- MANUAL AIR VENT POINT ON PIPE LINE PRESSURE RELIEF VALVE
- PIPE DOWN
- PIPE UP
- PRESSURE AND TEMP. TEST PORT
- PRESSURE GAGE WITH COCK
- REDUCED PRESSURE BACKFLOW PREVENTER
- STRAINER
- THERMOMETER WITH WELL
- THERMOMETER WELL AND CAP ONLY
- UNION
- FM — FLOW METER

MISCELLANEOUS

- CONNECT TO EXISTING SYMBOL
- DEMOLISH TO EXISTING SYMBOL
- CFM — DIRECTION OF AIR FLOW ARROW AND CFM
- 12/12 — DUCT SYMBOL: FLAT OVAL
- 12∅ — DUCT SYMBOL: ROUND
- 12x10 — DUCT SYMBOL: RECTANGULAR
- ESS — EMERGENCY STOP SWITCH
- FLOOR DRAIN
- H — HUMIDISTAT
- T — THERMOSTAT
- 1 / M4.1 — SECTION NUMBER / DRAWING NUMBER WHERE SECTION IS LOCATED
- 2 / M4 — DETAIL NUMBER / DRAWING NUMBER WHERE SHOWN

DUCTWORK

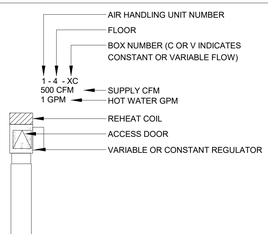
- CEILING EXHAUST GRILLE/ REGISTER (SEE SCH)
- SIDEWALL EXHAUST REGISTER (SEE SCH)
- CEILING RETURN GRILLE/ REGISTER (SEE SCH)
- SIDEWALL RETURN REGISTER (SEE SCH)
- CEILING SUPPLY DIFFUSER/ REGISTER (SEE SCH)
- SIDEWALL SUPPLY REGISTER (SEE SCH)
- DUCTWORK W/O DUCTLINER
- SQUARE TO ROUND/ OVAL TRANSITION
- CONICAL TAKEOFF
- MITERED TAKEOFF
- RECTANGULAR DUCT TRANSITION
- EXHAUST DUCT UP SUPPLY AND RETURN SIMILAR
- RETURN DUCT DOWN SUPPLY AND EXHAUST SIMILAR
- SUPPLY DUCT, UP THROUGH ROOF RETURN AND EXHAUST SIMILAR
- CAPPED EXISTING DUCTWORK

EQUIPMENT

- HUMIDIFIER WITH ACCESS DOOR
- MANUAL DAMPER
- M — MOTOR OPERATED DAMPER WITH ACCESS DOOR
- FD — FIRE DAMPER WITH ACCESS DOOR
- SD — SMOKE DAMPER WITH ACCESS DOOR
- FSD — COMBINATION FIRE/SMOKE DAMPER WITH ACCESS DOOR
- DD — DUCT MOUNTED SMOKE DETECTOR WITH ACCESS DOOR
- AIR FLOW MONITORING STATION
- DUCT MOUNTED COIL (HOT WATER OR STEAM COIL)
- DUCT MOUNTED COIL (ELECTRIC)
- AIR VALVE

PIPING

- HWR — HOT WATER RETURN
- HWS — HOT WATER SUPPLY
- D — EXISTING CONDENSATE DRAIN TO REMAIN
- EXISTING PIPING TO REMAIN
- EXISTING PIPING TO BE REMOVED
- NEW PIPING
- EXISTING DUCT TO REMAIN
- EXISTING DUCT TO BE REMOVED
- NEW DUCTWORK
- EXISTING EQUIPMENT TO REMAIN
- EXISTING EQUIPMENT TO BE REMOVED
- NEW EQUIPMENT
- (E) RC — EXISITNG REHEAT COIL (DUCT MOUNTED)



VARIABLE OR CONSTANT VOLUME BOX WITH REHEAT
NO SCALE

MECHANICAL ABBREVIATIONS

∅	ROUND, DIAMETER OR PHASE
#	POUNDS OR NUMBER
ABV.CLG.	ABOVE CEILING
ACU-1	AIR CONDITIONING UNIT & TAG
AC/HR	AIR CHANGES PER HOUR
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AFLD	AUTOMATIC FLOW LIMITING DEVICE
AFMS	AIR FLOW MONITORING STATION
AHU-1	AIR HANDLING UNIT & TAG
ALUM	ALUMINUM
AMCA	AIR MOVEMENT AND CONTROL ASSOCIATION
ANSI	AMERICAN NATIONAL STANTDARDS INSTITUTE
AP	ANCHOR POINT
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
AUTO	AUTOMATIC
BDD	BACKDRAFT DAMPER
BFP	BACKFLOW PREVENTER
BHP	BOILER HORSEPOWER OR BRAKE HORSEPOWER
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STEEL
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
BV	BUTTERFLY VALVE
C	CONSTANT VOLUME
CC	COOLING COIL
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CO	CLEAN OUT
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUATION
CONST	CONSTRUCTION
CONTR	CONTRACTOR
COORD	COORDINATE
COP	COEFFICIENT OF PERFORMANCE
CP-1	CONDENSATE PUMP & TAG
CTR	CENTER
CU	COPPER
CU-1	CONDENSING UNIT & TAG
CU.FT.	CUBIC FEET
CUH-1	CABINET UNIT HEATER & TAG
CU.YD.	CUBIC YARD
CW	COLD WATER (DOMESTIC)
Db	DRY BULB TEMPERATURE
DB	DECIBELS
DD	DUCT MOUNTED SMOKE DETECTOR
DEG(°)	DEGREE(S)
DN	DOWN
DP	DRAIN POINT
Dp	DEWPOINT TEMPERATURE
DPR	DAMPER
DTF	DOWN THRU FLOOR
DWG	DRAWING
DWV	DRAIN, WASTE, AND VENT
DX	DIRECT EXPANSION
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EDH	ELECTRIC COIL DUCT HEATER
EER	ENERGY EFFICIENCY RATIO
EF-1	EXHAUST FAN & TAG
EFF	EFFICIENCY
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
EQ	EQUAL
EQUIP	EQUIPMENT
ER	EXHAUST REGISTER
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
E or EX.	EXISTING
EXH	EXHAUST
F	FAHRENHEIT
F&T	FLOAT AND THERMOSTATIC
F.D.	FLOOR DRAIN
FACP	FIRE ALARM CONTROL PANEL
FC	FLOW CONTROLLER
FCU-1	FAN COIL UNIT & TAG
FCV	FLOW CONTROL VALVE
FD	FIRE DAMPER
FLEX	FLEX
FLG	FLANGE
FLR-FLR	FLOOR TO FLOOR HEIGHT
FO	FLAT OVAL
FOB	FLAT ON BOTTOM
FP	FIRE PROTECTION
FPC	FIRE PROTECTION CONTRACTOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FLOW SWITCH/SENSOR
FSD	COMBINATION FIRE/SMOKE DAMPER
FSS	FUSED SAFETY SWITCH
FT	FEET
FV	FLOW VALVE
FVNR	FULL VOLTAGE, NON-REVERSING, MAGNETIC
GAL	GALLON(S)
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GP	GUIDE POINT
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HC	HUMIDITY CONTROLLER
HD	HEAT DETECTOR
HOA	HAND-OFF-AUTOMATIC
HORZ	HORIZONTAL
HP	HORSEPOWER
HR	HOUR
H'STAT	HUMIDISTAT
HTG	HEATING
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
H&V-1	HEATING AND VENTILATING UNIT & TAG
IB	INVERTED BUCKET
ID	INSIDE DIAMETER
IN	INCH
INSUL	INSULATED
INV	INVERT
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LB/HR	POUNDS PER HOUR
LF	LINEAR FEET
LWT	LEAVING WATER TEMPERATURE
LP	LOW PRESSURE
LSWER	LOW SIDE WALL EXHAUST REGISTER
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MBH	BTUH x 1000
MC	MECHANICAL CONTRACTOR
MD	MANUAL DAMPER
MECH	MECHANICAL
MEZZ	MEZZANINE
MFG	MANUFACTURING
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MOD	MOTOR OPERATED DAMPER
MRS	MOTOR RATED SWITCH
MTD	MOUNTED
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NO.	NUMBER
NPSH	NET POSITIVE SUCTION HEAD
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPNG	OPENING
P.C.	PLUMBING CONTRACTOR
PL	PILOT LIGHT
PLBG	PLUMBING
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAGE
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
RA	RETURN AIR
RCP	REFLECTED CEILING PLAN
RECIRC	RECIRCULATING
RD	ROUND
REINF	REINFORCING
REQD	REQUIRED
REV	REVISION
RH	RELATIVE HUMIDITY
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RVNR	REDUCED VOLTAGE, NON-REVERSING, MAGNETIC
SA	SUPPLY AIR
SCFM	STANDARD CUBIC FEET PER MINUTE
SCH	SCHEDULE
SD	SMOKE DAMPER
SECT	SECTION
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
SP	STATIC PRESSURE
SPEC	SPECIFICATION
SPR	SPRINKLER
SQ	SQUARE
SR	SUPPLY REGISTER
S/S	STAINLESS STEEL
STL	STEEL
STM	STEAM
STRUCT	STRUCTURAL
SYM	SYMBOL OR SYMMETRICAL
SYS	SYSTEM
T/D	TRANSFER DUCT
TAB	TEST, ADJUST, BALANCE
THRU	THROUGH
TOD	TOP OF DUCT
TOP	TOP OF PIPE
TOS	TOP OF STEEL
TS	TEMPERATURE SENSOR
T'STAT	THERMOSTAT
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORIES
UON	UNLESS OTHERWISE NOTED
V	VARIABLE VOLUME
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VLV	VALVE
VOL	VOLUME
VP	VENT POINT
VS	VARIABLE SPEED
VTR	VENT THRU ROOF
W/	WITH
W/O	WITHOUT
W	WATTS
Wb	WET BULB TEMPERATURE
WG	WATER GAGE
WP	WEATHER PROOF
YCO	YARD CLEAN OUT

NOT ALL ABBREVIATIONS SHOWN IN THIS LIST WERE UTILIZED FOR THIS PROJECT.

GENERAL PROJECT NOTES

A. ALL DUCT, PIPE, AND EQUIPMENT SHALL BE LATERALLY RESTRAINED TO COMPLY WITH STATE BUILDING CODE.

B. BEFORE FABRICATING ANY SHEET METAL DUCTWORK, COORDINATE LOCATION AND SIZE WITH SPRINKLER & PLUMBING PIPING, CONDUITS, LIGHT FIXTURES, STRUCTURAL, ETC. PLANS ARE SCHEMATIC AND ARE NOT SHOP DRAWINGS. SUBMIT DUCTWORK COORDINATION DRAWINGS, AS SPECIFIED.

C. BEFORE SUBMITTING SHOP DRAWINGS, COORDINATE VOLTAGES AVAILABLE FOR MECHANICAL EQUIPMENT AND PROVISION ALL STARTERS AND DISCONNECT SWITCHES WITH ELECTRICAL CONTRACTOR.

D. MECHANICAL CONTRACTOR SHALL MAKE PROVISIONS FOR PROVIDING A CONDENSATE DRAIN TRAP A MINIMUM OF 4" DEEP OR 1/2" PLUS THE STATIC PRESSURE OF THE UNIT SUPPLY FAN.

E. ALL EQUIPMENT SHALL BE U.L. LISTED.

F. THE ELECTRICAL CONTRACTOR SHALL CONNECT ALL MECHANICAL EQUIPMENT; PROVIDE DISCONNECTS, WIRING AND CONDUIT, INSTALL STARTERS, AND MOUNT AND WIRE VFD, UNLESS OTHERWISE NOTED.

G. FIRE AND SMOKE DAMPERS SHALL BE INSTALLED IN COMPLETE ACCORDANCE WITH THE MFR'S. U.L. LISTING AND INSTALLATION INSTRUCTIONS. FIRE AND SMOKE DAMPERS SHALL HAVE SPECIFIC U.L. LISTING FOR THE CONSTRUCTION IN WHICH THEY ARE INSTALLED.

H. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH OTHER TRADES TO ELIMINATE CONFLICT WITH OTHER TRADES. ANY WORK INSTALLED BY THIS CONTRACTOR THAT RESULTS IN CONFLICT, DUE TO LACK OF COORDINATION BETWEEN TRADES, SHALL BE CHANGED AS DIRECTED BY THE ARCHITECT/ENGINEER WITHOUT ADDITIONAL COMPENSATION TO THE CONTRACTOR.

I. SMOKE DETECTORS SHALL BE FURNISHED BY ELECTRICAL CONTRACTOR AND INSTALLED BY THE MECHANICAL CONTRACTOR. PROVIDE DUCT ACCESS DOOR AT EACH DETECTOR. INSTALL DETECTORS IN COMPLETE ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

J. COORDINATE HEIGHT OF ROOF CURBS AND ROOF SUPPORTS WITH ROOFING CONTRACTOR.

K. MECHANICAL CONTRACTOR SHALL COORDINATE ROUTING OF DUCTWORK TO ENSURE DUCTWORK DOES NOT PASS OVER ELECTRICAL PANELS.

L. THE DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES. THE SCALE, WHEN INDICATED IS INTENDED FOR GENERAL REFERENCE ONLY.

M. ALL SHUTDOWNS SHALL BE COORDINATED AND APPROVED THROUGH THE CONTRACTING OFFICERS REPRESENTATIVE AND WILL REQUIRE ADVANCE NOTICE OF TWO WEEKS.THIS TIME LENGTH MAY BE LONGER OR SHORTER FOR SOME SHUTDOWNS AND SHALL BE AT THE OWNERS DISCRETION.

N. PROVIDE ESCUTCHEON PLATES WHERE DUCTS PENETRATE CEILINGS OR WALLS IN AREAS EXPOSED TO VIEW. ESCUTCHEONS FOR DUCTS SHALL BE CONSTRUCTED OF SAME MATERIAL AS DUCT. PIPE ESCUTCHEONS SHALL BE CHROME-PLATED BRASS.

O. PROVIDE REMOVABLE ACCESS DOORS AT ALL MOTOR OPERATED DAMPERS, FIRE DAMPERS, SMOKE DAMPERS, DUCT COILS, SMOKE DETECTORS, AND SIMILAR ITEMS REQUIRING MAINTENANCE OR ADJUSTMENT.

P. PROVIDE FIRE CAULKING OR OTHER APPROVED FIRESTOP SYSTEM AT ALL MECHANICAL PIPING PENETRATIONS OF RATED ASSEMBLY WITHIN THE LIMITS OF CONSTRUCTION (NEW AND EXISTING).

MECHANICAL - DRAWING INDEX

Sheet Number	Sheet Name
M001	MECHANICAL - LEGENDS, SYMBOLS, AND DRAWINGS INDEX
M002	MECHANICAL – DETAILS
M003	MECHANICAL - SCHEDULES
M004	MECHANICAL - SEQUENCE OF OPERATIONS
MD100	MECHANICAL - LEVEL 06 - DEMOLITION - DUCTWORK
MD101	MECHANICAL - LEVEL 06 - DEMOLITION - PIPING
MH100	MECHANICAL - LEVEL 06 - NEW WORK - DUCTWORK - OVERALL
MH100-A	MECHANICAL - LEVEL 06 - NEW WORK - DUCTWORK - AREA A
MH100-B	MECHANICAL - LEVEL 06 - NEW WORK - DUCTWORK - AREA B
MH100-C	MECHANICAL - LEVEL 06 - NEW WORK - DUCTWORK - AREA C
MP100	MECHANICAL - LEVEL 06 - NEW WORK - PIPING

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STATE OF GEORGIA — PE033510 — PROFESSIONAL ENGINEER — GREGORY A. TURNER — 09/21/23

Office of Construction and Facilities Management

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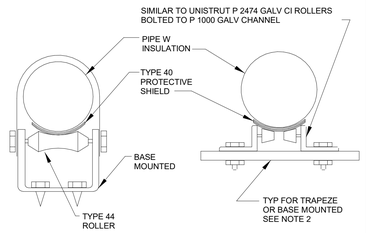
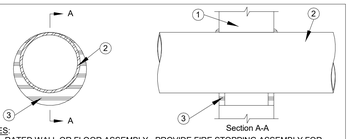


NOTES:
1. ROLLERS, SHOES AND SUPPORTS SELECTED PER PIPE SIZE
2. SECURE W/APPROVED ANCHORS TO MATCH BASE MATERIALS AND LOAD REQUIREMENTS

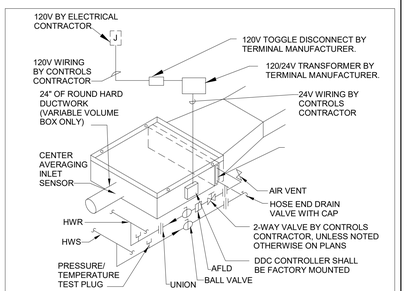
TYPE 44 SINGLE ROLLER PIPE GUIDE AND SUPPORT — NTS — 12



NOTES:
1. RATED WALL OR FLOOR ASSEMBLY - PROVIDE FIRE STOPPING ASSEMBLY FOR PARTITION TYPE & RATING ENCOUNTERED.
2. THROUGH PENETRATION (INSULATED OR BARE DEPENDING ON SERVICE) - PROVIDE FIRE STOPPING ASSEMBLY FOR SIZE & MATERIAL OF THROUGH PENETRATION UTILIZED.
3. FIRE STOPPING MATERIAL - PROVIDE FIRE STOPPING MATERIAL FOR WALL ASSEMBLY & THROUGH PENETRATION MATERIAL ENCOUNTERED. FILL VOIDS OR CAVITY ACCORDING TO THE REQUIREMENTS OF THE FIRE STOPPING SYSTEM UTILIZED.

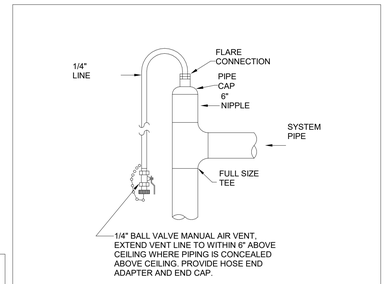
ALL RATED WALLS, PARTITIONS OR FLOORS SHALL BE PROVIDED WITH A UL LISTED FIRE STOP SYSTEM. THE SYSTEM UTILIZED SHALL MATCH THE SEPARATION PENETRATED AND THE THROUGH PENETRATION MATERIAL. DETAILS FOR THE INSTALLATION OF SYSTEM TYPE UTILIZED SHALL BE AVAILABLE AT THE PROJECT SITE FOR THE DURATION OF CONSTRUCTION AND SHALL BE PROVIDED TO THE BUILDING OWNER AT THE PROJECT COMPLETION.
PROVIDE WALL OR FLOOR LABELS INDICATING THE SYSTEM MANUFACTURER AND UL LISTED ASSEMBLY NUMBER AT EACH LOCATION WHERE THE FIRE STOPPING SYSTEM IS INSTALLED.

THROUGH PENETRATION FIRESTOP SYSTEM (PROVIDE UL LISTED SYSTEM) — NTS — 8

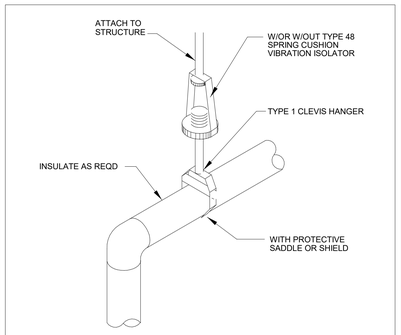


NOTES:
1. MAINTAIN CLEARANCE ON CONTROL SIDE OF BOX AND INSTALL SO THAT ACCESS DOORS ARE NOT BLOCKED.

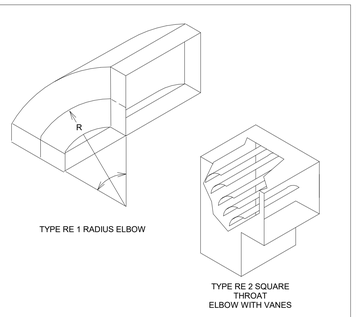
VARIABLE OR CONSTANT VOLUME TERMINAL UNIT WITH REHEAT — NTS — 4



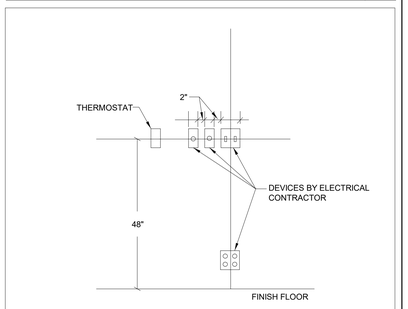
MANUAL AIR VENT — NTS — 15



TYPE 1 CLEVIS HANGER — NTS — 11

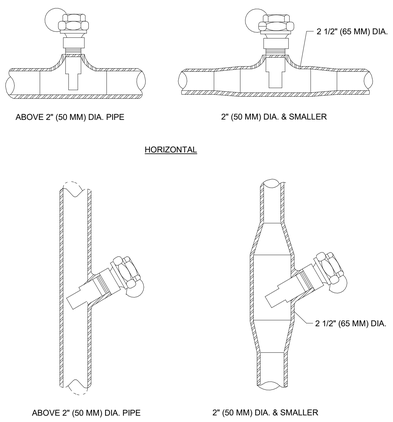


RECTANGULAR SHEETMETAL ELBOWS — NTS — 7

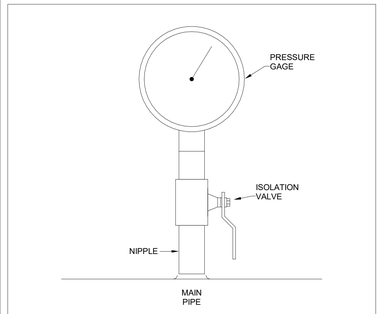


NOTES:
1. PROPERLY COORDINATE DEVICE LOCATION TO ALIGN VERTICALLY.

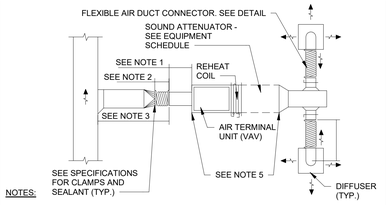
THERMOSTAT ALIGNMENT — NTS — 3



INSTALLATION OF THERMOMETER WELLS — NTS — 17

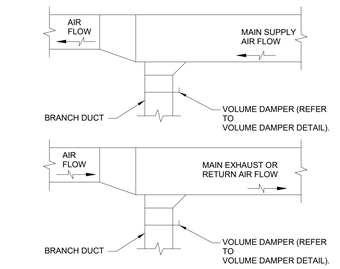


PRESSURE GAUGE DETAIL — NTS — 14



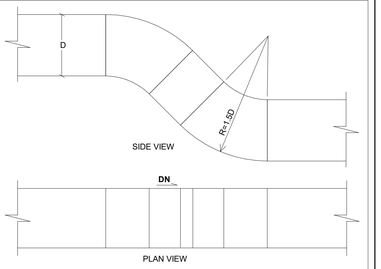
NOTES:
1. RIGID STRAIGHT TERMINAL UNIT INLET LENGTH SHALL BE A MINIMUM OF 3 TIMES THE DIAMETER OF THE INLET.
2. A FLEXIBLE AIR DUCT CONNECTOR IS NOT MANDATORY FOR INLET TO THIS BOX, BUT ALLOWED TO ACCOMMODATE MINOR OFFSETS. MAXIMUM LENGTH 3'-0" [900mm].
3. A BRANCH DUCT SERVING AN INDIVIDUAL BOX MAY BE THE SAME SIZE AS THE BOX INLET, PROVIDED THE EQUIVALENT LENGTH OF THE BRANCH DUCT, AS SHOWN, DOES NOT EXCEED 10 FEET (3 METERS). FOR LONGER LENGTHS, INCREASE THE DUCT SIZE AND PROVIDE A DUCT TRANSITION TO MAINTAIN THE DUCT STATIC PRESSURE DROP AT OR BELOW 0.2"/100' [1.64Pa/m].
4. FLEXIBLE AIR DUCT CONNECTORS, WHEN USED FROM TERMINAL UNIT SUPPLY AIR DUCT TO DIFFUSER, SHALL NOT EXCEED 5'-0" [1500mm]. USE RIGID ELBOWS FOR CHANGE OF DIRECTION GREATER THAN 45 DEGREES.
5. COMPONENT ARRANGEMENT MAY VARY BY MANUFACTURER. PROVIDE INSULATION W/ VAPOR VARRIER FOR CONNECTION DUCT SECTIONS.

DUCT CONNECTIONS - AIR TERMINAL UNITS — NTS — 10



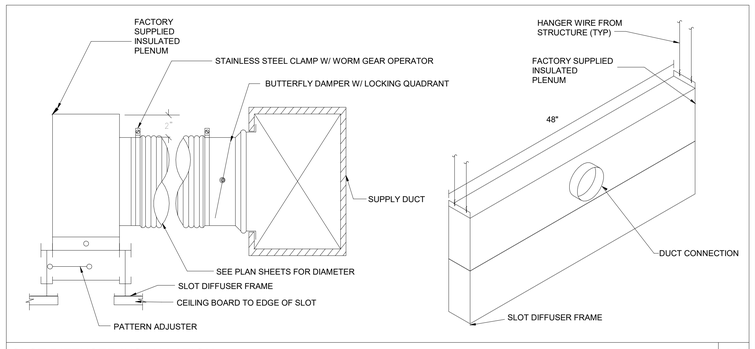
NOTE:
ALL BRANCH TAKEOFFS SHALL BE 45°, CONICAL OR BELLMOUTH TYPE.

BRANCH DUCTWORK TAKEOFFS — NTS — 6

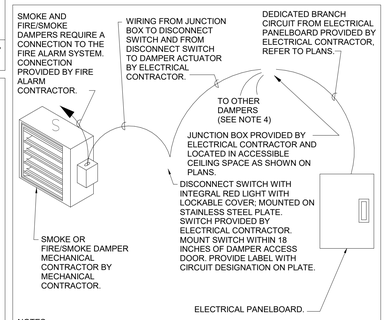


NOTES:
1. CHANGES IN DUCTWORK ELEVATION SHALL BE ACCOMPLISHED BY UTILIZING RADIUS ELBOW TRANSITIONS EQUAL TO NO LESS THAN R=1.5D. IN ORDER TO MINIMIZE DUCT STATIC PRESSURE LOSSES.
2. ELEVATION TRANSITION ARROW INDICATING UP OR DOWN (DN) IS SHOWN WITH RESPECT TO AIRFLOW DIRECTION.

ELEVATION CHANGE - OGEE TRANSITION DETAIL — NTS — 2

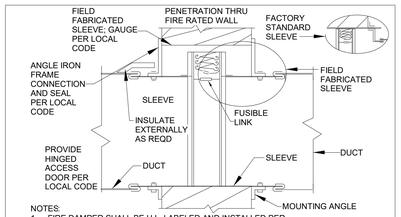


SLOT DIFFUSER INSTALLATION — NTS — 16



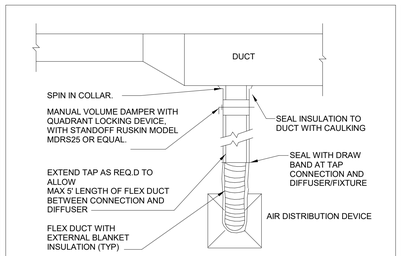
NOTES:
1. SMOKE ANDFIRE/SMOKE DAMPERS SHALL BE U.L. LABELED AND INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. MECHANICAL CONTRACTOR TO PROVIDE ACCESS DOOR IN DUCTWORK FOR ACCESS TO THE DAMPER. MINIMUM SIZE SHALL BE 12"x12".
3. ALL WIRING SHALL BE INSTALLED IN RACEWAY.
4. MULTIPLE DAMPERS CAN BE SERVED FROM A SINGLE JUNCTION BOX, UP TO A MAXIMUM OF SIXTEEN (16) ACTUATORS.
5. FIRE/SMOKE DAMPER SHALL CLOSE AT 165°F.

SMOKE, & FIRE/SMOKE DAMPER WIRING DETAIL — NTS — 13



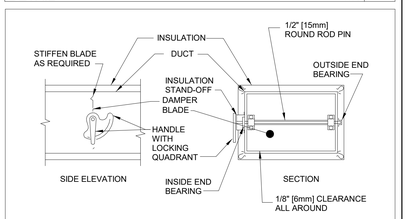
NOTES:
1. FIRE DAMPER SHALL BE U.L. LABELED AND INSTALLED PER MANUFACTURER'S REQUIREMENTS FOR U.L. LABEL.
2. PROVIDE 12"X12" ACCESS DOOR IN DUCT FOR FUSIBLE LINK REPLACEMENT.
3. USE TYPE "C" FIRE DAMPER.
4. PROVIDE APPROVED BREAKAWAY JOINT PER MANUFACTURER'S RECOMMENDATIONS.
5. PROPER FRAMING CONSTRUCTION AND DIMENSIONS OF OPENING IN FIRE RATED ASSEMBLY SHALL BE CONSTRUCTED PER MANUFACTURER'S RECOMMENDATIONS. MC SHALL COORDINATE WITH GC.
6. PROVIDE FIRE DAMPERS WITH 165F FUSIBLE LINK.

FIRE DAMPER — NTS — 9



NOTES:
1. ONLY ONE 90° TURN ALLOWED IN FLEX DUCT. DUCT MUST BE PROPERLY SUPPORTED TO PREVENT KINKING.
2. IF ADDITIONAL 90° TURNS ARE REQD TO CONNECT OUTLET TO DIFFUSER, EXTEND TAP AND PROVIDE EXTERNALLY INSULATED SHEET METAL ELLS AS REQD.

CONNECTIONS BETWEEN LOW PRESSURE DUCT AND AIR DISTRIBUTION DEVICE — NTS — 5



NOTES:
1. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
2. DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.

VOLUME DAMPER DETAIL — NTS — 1

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: MECHANICAL – DETAILS
Approved:
Phase: 100% CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED
Project Title: RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC
Project Number: 508-22-105
Building Number: C
Location: 1670 CLAIRMONT RD, DECATUR, GA
Drawing Number: M002
Issue Date: 9/21/2023
Checked: GAT
Drawn: CAC

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PERFORATED RETURN REGISTERS

SYMBOL	REGISTER SIZE 24"x24"
1 CFM	0-135 CFM 6" ROUND NECK
2 CFM	136-210 CFM 8" ROUND NECK
3 CFM	211-325 CFM 10" ROUND NECK
4 CFM	326-475 CFM 12" ROUND NECK
5 CFM	476-650 CFM 14" ROUND NECK
6 CFM	651-840 CFM 16" ROUND NECK
7 CFM	841-2000 CFM 22"x22" NECK

NOTES:
1. SEE ARCHITECTURAL CEILING PLAN FOR PROPER FRAME STYLE.
2. GRILLES LOCATED IN HARD CEILING AREAS SHALL BE PROVIDED WITH SURFACE MOUNTED FRAMES.

LOUVERED SUPPLY DIFFUSER

SYMBOL	CFM RANGE, FACE SIZE, & NECK SIZE TYPICAL MODULE SIZE - 24"x24"	TYPE
1 CFM	0-135 CFM 6"x6" FACE 6"∅ NECK	DOUBLE DEFLECTION
2 CFM	136-210 CFM 9"x9" FACE 8" NECK	DOUBLE DEFLECTION
3 CFM	211-325 CFM 12"x12" FACE 10" NECK	DOUBLE DEFLECTION
4 CFM	326-475 CFM 12"x12" FACE 12" NECK	DOUBLE DEFLECTION
5 CFM	476-650 CFM 15"x15" FACE 14" NECK	DOUBLE DEFLECTION
6 CFM	650-840 CFM 18"x18" FACE 16" NECK	DOUBLE DEFLECTION
7 CFM	841-1125 CFM 18"X18" FACE & NECK	DOUBLE DEFLECTION

NOTES :
1. SEE ARCHITECTURAL CEILING PLAN FOR PROPER FRAME STYLE.
2. DIFFUSERS LOCATED IN HARD CEILING AREAS SHALL BE PROVIDED WITH SURFACE MOUNTED FRAMES.
3. PROVIDE SR MODEL ROUND NECK ADAPTER.

SIDEWALL SUPPLY REGISTER

SYMBOL	CFM RANGE & MODULE SIZE	TYPE
1 CFM	0-225 CFM 10"x6"	DOUBLE DEFLECTION
2 CFM	226-450 CFM 12"x10"	DOUBLE DEFLECTION
3 CFM	451-700 CFM 18"x12"	DOUBLE DEFLECTION
4 CFM	701-900 CFM 24"x12"	DOUBLE DEFLECTION
5 CFM	901-1180 CFM 30"x12"	DOUBLE DEFLECTION
6 CFM	1181-1350 CFM 36"x12"	DOUBLE DEFLECTION

SEE ARCHITECTURAL CEILING PLAN FOR PROPER FRAME STYLE.

LINEAR SLOT DIFFUSER

SYMBOL	# OF SLOTS	CFM	NECK	SIZE (LENGTH)
1 CFM	1	0-115	6"	48"

NOTES:

1. PROVIDE 48" PLENUM.
2. TYPE X END CONFIGURATION.
3. PROVIDE 1" SLOT.

PERFORATED EXHAUST REGISTERS

SYMBOL	REGISTER SIZE 24"x24"
A CFM	0-135 CFM 6" ROUND NECK
B CFM	136-210 CFM 8" ROUND NECK
C CFM	211-325 CFM 10" ROUND NECK
D CFM	326-475 CFM 12" ROUND NECK
E CFM	476-650 CFM 14" ROUND NECK
F CFM	651-840 CFM 16" ROUND NECK
G CFM	841-2000 CFM 22"x22" NECK
H CFM	12"x12" REGISTER 0-135 CFM 6"∅ NECK

NOTES :
1. CEILING PLAN FOR PROPER FRAME STYLE.
2. REGISTERS LOCATED IN HARD CEILING AREAS SHALL BE PROVIDED WITH SURFACE MOUNTED FRAMES.

TERMINAL UNIT SCHEDULE

Tag	Airflow	Min. CFM	Reheat CFM	Unit Size	E.A.T. (°F)	Heating L.A.T. (°F)	Total APD (in.wg)	GPM	Rows	MBH	E.W.T. (°F)	L.W.T. (°F)	Water Pressure Drop(FT)	Water Runout Size (IN)
1-1-1V	1000 CFM	500	500	12	55	115.2	0.17	3.2	2	32.6	180	159.1	0.77	3/4
1-1-2V	770 CFM	385	385	10	55	112.5	0.19	2.4	2	25	180	159.1	0.37	3/4
1-1-3V	200 CFM	100	100	06	55	121.9	0.06	0.7	2	7.3	180	159.1	0.09	3/4
1-1-4V	250 CFM	125	125	06	55	118.7	0.09	0.8	2	8.6	180	159.1	0.12	3/4
1-1-5V	250 CFM	125	125	06	55	118.7	0.09	0.8	2	8.6	180	159.1	0.12	3/4
1-1-6V	750 CFM	375	375	10	55	113.1	0.18	2.3	2	23.6	180	159.1	0.36	3/4
1-1-7V	250 CFM	125	125	06	55	118.7	0.09	0.8	2	8.6	180	159.1	0.12	3/4
1-1-8V	600 CFM	300	300	10	55	117.5	0.13	2	2	20.3	180	159.1	0.27	3/4
1-1-9V	750 CFM	375	375	10	55	113.1	0.18	2.3	2	23.6	180	159.1	0.36	3/4
1-1-10V	250 CFM	125	125	06	55	118.7	0.09	0.8	2	8.6	180	159.1	0.12	3/4
1-1-11V	600 CFM	300	300	10	55	117.5	0.13	2	2	20.3	180	159.1	0.27	3/4
1-1-12V	455 CFM	230	230	08	55	115.3	0.15	1.5	2	15.1	180	159	0.32	3/4
1-1-13V	690 CFM	345	345	10	55	114.7	0.16	2.2	2	22.4	180	159	0.32	3/4
1-1-14V	250 CFM	125	125	06	55	118.7	0.09	0.8	2	8.6	180	159.1	0.12	3/4
1-1-15V	250 CFM	125	125	06	55	118.7	0.09	0.8	2	8.6	180	159.1	0.12	3/4
1-1-16V	120 CFM	60	60	06	55	123.3	0.05	0.7	2	6.7	180	159	0.08	3/4
1-1-17V	250 CFM	125	125	06	55	118.7	0.09	0.8	2	8.6	180	159.1	0.12	3/4
1-1-18V	180 CFM	90	90	06	55	123.3	0.05	0.7	2	6.7	180	159	0.08	3/4
1-1-19V	250 CFM	125	125	06	55	118.7	0.09	0.8	2	8.6	180	159.1	0.12	3/4
1-1-20V	400 CFM	200	200	08	55	118.1	0.12	1.3	2	13.7	180	159.1	0.27	3/4
1-1-21C	865 CFM	865	865	10	55	96.4	0.23	3.8	2	38.9	180	159.1	0.9	3/4
1-1-22V	450 CFM	225	225	08	55	115.8	0.15	1.5	2	14.8	180	159	0.31	3/4
1-2-1V	280 CFM	140	140	06	55	117.1	0.11	0.9	2	9.4	180	159.1	0.13	3/4
1-2-2V	260 CFM	130	130	06	55	118.1	0.1	0.9	2	8.9	180	159	0.12	3/4
1-2-3V	300 CFM	150	150	06	55	116.2	0.12	1	2	10	180	159.1	0.14	3/4
1-2-4V	300 CFM	150	150	06	55	116.2	0.12	1	2	10	180	159.1	0.14	3/4
1-2-5V	200 CFM	100	100	06	55	121.9	0.06	0.7	2	7.3	180	159	0.09	3/4
1-2-6V	960 CFM	480	480	12	55	116	0.17	3.1	2	31.8	180	159.1	0.73	3/4
1-2-7V	260 CFM	130	130	06	55	118.1	0.1	0.9	2	8.9	180	159	0.12	3/4
1-2-8V	250 CFM	125	125	06	55	118.7	0.09	0.8	2	8.6	180	159.1	0.12	3/4
1-2-9V	250 CFM	125	125	06	55	118.7	0.09	0.8	2	8.6	180	159.1	0.12	3/4
1-2-10V	250 CFM	125	125	06	55	118.7	0.09	0.8	2	8.6	180	159.1	0.12	3/4
1-2-11V	200 CFM	100	100	06	55	121.9	0.06	0.7	2	7.3	180	159	0.09	3/4

GENERAL NOTES

1. BOXES SHALL HAVE PIPE CONNECTIONS ON SAME SIDE AND BE FOR FLARED FITTINGS.
2. COIL AND BOX SIZE MAY BE INCREASED TO MEET REQUIRED CONDITIONS; BUT SHALL NOT BE DECREASED FROM SIZE SHOWN.
3. BOXES SHALL BE SET FOR MAXIMUM CFM SHOWN ON PLANS.
4. DUCT CONNECTIONS TO BOXES SHALL BE SAME SIZE AS BOX INLET UNLESS SHOWN OTHERWISE.
5. MAXIMUM WATER PRESSURE DROP SHALL BE 4 FEET.
6. VARIABLE VOLUME BOXES SHALL OPERATE DOWN TO 50% OF MAXIMUM FLOW.
7. CONSTANT VOLUME BOXES SHALL BE THE SAME BOX USED FOR VARIABLE VOLUME BOX EXCEPT CFM SHALL BE LOCKED AT CAPACITY SHOWN. BOX SHALL NOT OPERATE AS VARIABLE VOLUME.
8. CONTROLS SHALL BE DDC PROVIDED BY CONTROLS CONTRACTOR AND INSTALLED BY BOX MANUFACTURER.
9. MAXIMUM NC LEVEL OF 30 ON ALL BOXES. PROVIDE SOUND ATTENUATOR AS REQUIRED.
10. PROVIDE DIFFERENTIAL AIRFLOW SWITCH.

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: MECHANICAL - SCHEDULES	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: M003
		Issue Date: 9/21/2023 · Checked: GAT · Drawn: CAC	

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VARIABLE AIR VOLUME TERMINAL UNITS (VAV BOXES)

1. THE CONTROL OF PRESSURE INDEPENDENT VAV BOXES WITH A WATER REHEAT COIL AT THE VAV TERMINAL SHALL BE AS FOLLOWS:

   1.1. THE CONTROLLER SHALL MODULATE THE SUPPLY AIR DAMPER AND THE REHEAT VALVE IN SEQUENCE AS REQUIRED TO MAINTAIN SPACE TEMPERATURE SETPOINT.
   1.2. IN THE CONTROLLER SHALL MODULATE THE SUPPLY AIR DAMPER AND THE REHEAT VALVE IN SEQUENCE AS REQUIRED TO MAINTAIN SPACE TEMPERATURE SETPOINT.
   1.3. DURING INITIAL T&B UNITS CFM'S SHALL BE SET TO MAINTAIN MINIMUM REQUIRED PRESSURE DIFFERENTIAL BETWEEN ADJACENT SPACES.
   1.4. THE SUPPLY AIR DAMPER SHALL BE SET TO MINIMUM WHEN THE ROOM TEMPERATURE IS BELOW THE COOLING SETPOINT. THE REHEAT VALVE SHALL NOT OPEN UNTIL THE ROOM TEMPERATURE HAS DROPPED BELOW THE HEATING SETPOINT. THE ROOM TEMPERATURE SETPOINT MAY BE ADJUSTED BY THE OCCUPANT, WITHIN PRESELECTED LIMITS, BY CHANGING A SETPOINT ADJUSTMENT ON THE ROOM THERMOSTAT, OR A SETPOINT MAY BE SELECTED BY THE DDC SYSTEM OPERATOR THAT WILL OVERRIDE AND LIMIT ANY CHANGES MADE AT THE ROOM STATUS.
   1.5. THE ROOM TEMPERATURE SENSOR IS LOCATED IN THE SPACE. THE SENSOR FEATURES WARMER/COOLER SETPOINT ADJUSTMENT LEVER AND A LIQUID BULB THERMOMETER. A DIAGNOSTIC JACK WILL ALLOW FOR A PORTABLE TERMINAL INTERFACE. THE PORTABLE TERMINAL INTERFACE IS A HAND HELD DEVICE WHICH GIVES THE OPERATOR THE CAPABILITY TO EDIT VAV TERMINAL BOX PARAMETERS.

2. WHEN COMMANDED TO CHANGE OVER TO THE UNOCCUPIED MODE, THE CONTROLLER SHALL RAISE THE COOLING SETPOINT AND LOWER THE HEATING SETPOINT TO OPERATOR DETERMINED VALUES. DURING UNOCCUPIED MODE, THE CONTROLLER SHALL BE RESET TO THE OCCUPIED MODE FOR AN OPERATOR DETERMINED TIME PERIOD BY DEPRESSING THE LOCAL OVERRIDE SWITCH PROVIDED FOR EACH ROOM OR WHEN THE OPERATOR HAS COMMANDED IT. AT THE END OF THE TIME PERIOD, THE CONTROLLER SHALL AUTOMATICALLY SWITCH BACK TO UNOCCUPIED MODE.

3. THE CONTROLLER SHALL MONITOR EACH OF THE FOLLOWING PARAMETERS OF THE TERMINAL BOX:

   3.1. SUPPLY AIR TEMPERATURE.
   3.2. SUPPLY AIR VOLUME.
   3.3. SUPPLY DAMPER CONTROL.
   3.4. SUPPLY DAMPER POSITION.
   3.5. REHEAT VALVE CONTROL.
   3.6. ROOM TEMPERATURE.
   3.7. ROOM TEMPERATURE COOLING SETPOINT.
   3.8. ROOM TEMPERATURE HEATING SETPOINT.
   3.9. UNOCCUPIED TEMPERATURE DEADBAND.
   3.10. SUPPLY AIR VOLUME MAXIMUM FLOW.
   3.11. SUPPLY AIR VOLUME MINIMUM FLOW.
   3.12. LOCAL OCCUPIED OVERRIDE SWITCH.
   3.13. FAN STATUS.

4. THE CENTRAL GRAPHICS CONSOLE AND ANY OTHER OPERATOR'S CONSOLE SHALL BE CAPABLE OF DISPLAY AND CONTROL OF EACH OF THESE PARAMETERS. THE PORTABLE DISPLAY TERMINAL CONNECTED TO THE CONTROLLER SHALL ALSO BE ABLE TOMONITOR AND CONTROL THESE PARAMETERS. MONITOR AND CONTROL THESE PARAMETERS.

5. PROVIDE A GRAPHIC FOR EACH ROOM SHOWING FLOOR PLAN, ROOM TEMPERATURE AND ROOM SETPOINT. THESE SHALL BE ARRANGED SO THAT THE OPERATOR SHALL "CLICK ON THE ROOM" AND A WINDOW SHALL APPEAR ALLOWING ANY OF THE PARAMETERS AVAILABLE ON THE CONTROLLER TO BE SELECTED AND MODIFIED BY THE POINTING OF A MOUSE. THESE ROOM GRAPHICS SHALL BE GROUPED TOGETHER IN FLOOR QUADRANTS. THE ROOM'S COLOR SHALL INDICATE GREEN IF THE ROOM TEMPERATURE IS WITHIN ALARM RANGE AND IT SHALL INDICATE RED IF THE ROOM TEMPERATURE IS ABOVE OR BELOW ALARM RANGE. THE QUADRANT GRAPHIC SHALL CONTAIN A SMALL LAYOUT OF THE TOTAL FLOOR AND SHALL SHOW THE PRESENTLY DISPLAYED GRAPHIC'S REACTION TO THE REST OF THE FLOOR. ALSO LOCATED ON THE QUADRANT GRAPHIC SHALL BE "QUICK LINKS" TO THE QUADRANTS OF THIS AND OTHER FLOORS.

6. AUTOMATIC CALIBRATION IS ACCOMPLISHED THROUGH THE CONTROLLER AUTO ZERO FEATURE. THIS FEATURE CALIBRATES THE AIRFLOW SENSOR. THE AUTO ZERO FEATURE CAN BE COMMANDED FROM THE BMS OR CAN BE SCHEDULED. THIS FEATURE OVERRIDES THE DAMPER ACTUATOR CLOSED WHILE PERFORMING AUTO ZERO. WHEN THE DAMPER IS FULLY CLOSED, THE PRESENT VALUE OF DELTA P SENSOR IS READ INTO THE AI OFFSET TABLE.

CONSTANT AIR VOLUME TERMINAL AIR UNITS (CAV BOXES)

1. CAV BOX CONTROLS SHALL BE PROVIDED TO MEET THE CONTROL SPECIFICATIONS FOR VAV BOXES, BUT SHALL OPERATE WITH THE FOLLOWING CONTROL SEQUENCE:

   1.1. THE CAV BOX AIRFLOW SHALL BE CONSTANT
   1.2. UPON A FALL IN ROOM TEMPERATURE BELOW THE SETPOINT, THE HOT WATER CONTROL VALVE SHALL BE MODULATED TO THE OPEN POSITION.
   1.3. UPON A RISE IN ROOM TEMPERATURE ABOVE THE SETPOINT, THE HOT WATER CONTROL VALVE SHALL BE MODULATED TO THE CLOSED POSITION.

2. T&B CONTRACTOR SHALL BE ABLE TO ADJUST (SET) EACH OF CAV BOXES CFM'S AT INITIAL PROCEDURE TO ACHIEVE REQUIRED DIFFERENTIAL PRESSURES BETWEEN SPACES.

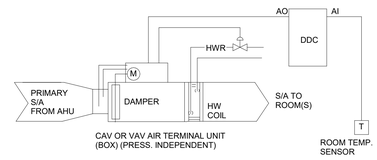
SMOKE CONTROL SEQUENCE

1. THE FIRE ALARM CONTRACTOR SHALL PROVIDE NECESSARY LOCAL CONTACT CLOSURES AT DDC PANEL FOR REQUIRED CONTROL SEQUENCE.

2. UPON DETECTION OF SMOKE BY ANY OF THE SMOKE DETECTORS, AN ALARM SIGNAL SHALL BE SENT TO EXISTING MAIN FIRE ALARM PANEL.

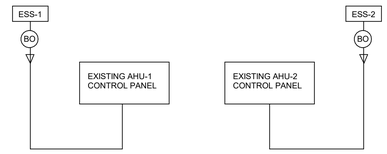
3. SHUTDOWN SEQUENCE SHALL INCLUDE IN ADDITION TO EXISTING AHU SEQUENCE, CLOSURE OF FIRE/SMOKE DAMPERS IN CORRESPONDING SMOKE ZONE'S ON THIS FLOOR.

HVAC CONTROLS LEGEND	
AI	ANALOG INPUT
AO	ANALOG OUTPUT
BO	BINARY OUTPUT



NOTE: PROVIDE 2-WAY CONTROL VALVE UNLESS OTHERWISE NOTED.

TERMINAL UNIT CONTROL DIAGRAM



EMERGENCY STOP SWITCH CONTROL DIAGRAM

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STATE OF NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033510 GREGORY A. TURNER 09/21/23

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: MECHANICAL - SEQUENCE OF OPERATIONS

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC

Location: 1670 CLAIRMONT RD, DECATUR, GA

Issue Date: 9/21/2023 | Checked: GAT | Drawn: CAC

Project Number: 508-22-105

Building Number: BUILDING C

Drawing Number: M004

VA FORM 08 - 6231

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GENERAL NOTES

A. ALL DUCTS, PIPE, AND EQUIPMENT SHALL BE LATERALLY RESTRAINED TO COMPLY WITH THE STATE BUILDING CODE.

B. BEFORE FABRICATING ANY SHEET METAL DUCTWORK, COORDINATE LOCATION AND SIZE WITH SPRINKLER & PLUMBING PIPING, CONDUITS, LIGHT FIXTURES, STRUCTURAL, ETC. PLANS ARE SCHEMATIC AND ARE NOT SHOP DRAWINGS. SUBMIT DUCTWORK COORDINATION DRAWINGS, AS SPECIFIED.

C. BEFORE SUBMITTING SHOP DRAWINGS, COORDINATE VOLTAGES AVAILABLE FOR MECHANICAL EQUIPMENT AND PROVISION OF ALL STARTERS AND DISCONNECT SWITCHES WITH ELECTRICAL CONTRACTOR.

D. MECHANICAL CONTRACTOR SHALL MAKE PROVISIONS FOR PROVIDING A CONDENSATE DRAIN TRAP A MINIMUM OF 4" DEEP OR 1/2" PLUS THE STATIC PRESSURE OF THE UNIT SUPPLY FAN.

E. ALL EQUIPMENT SHALL BE U.L. LISTED.

F. THE ELECTRICAL CONTRACTOR SHALL CONNECT ALL MECHANICAL EQUIPMENT; PROVIDE DISCONNECTS, WIRING AND CONDUIT, INSTALL STARTERS, AND MOUNT AND WIRE VARIABLE SPEED DRIVES, UNLESS OTHERWISE NOTED.

G. FIRE AND SMOKE DAMPERS SHALL BE INSTALLED IN COMPLETE ACCORDANCE WITH THE MANUFACTURER'S U.L. LISTING AND INSTALLATION INSTRUCTIONS. FIRE AND SMOKE DAMPERS SHALL HAVE SPECIFIC U.L. LISTING FOR THE CONSTRUCTION IN WHICH THEY ARE INSTALLED. PROVIDE DYNAMIC FIRE DAMPERS.

H. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH OTHER TRADES TO ELIMINATE CONFLICT WITH OTHER TRADES. ANY WORK INSTALLED BY THIS CONTRACTOR THAT RESULTS IN CONFLICT, DUE TO LACK OF COORDINATION BETWEEN TRADES, SHALL BE CHANGED AS DIRECTED BY THE ARCHITECT/ENGINEER WITHOUT ADDITIONAL COMPENSATION TO THE CONTRACTOR.

I. SMOKE DETECTORS SHALL BE FURNISHED BY THE FIRE ALARM CONTRACTOR AND INSTALLED BY THE MECHANICAL CONTRACTOR UNLESS OTHERWISE NOTED. PROVIDE DUCT ACCESS DOOR AT EACH DETECTOR. INSTALL DETECTORS IN COMPLETE ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

J. MECHANICAL CONTRACTOR SHALL COORDINATE ROUTING OF DUCTWORK TO ENSURE DUCTWORK DOES NOT PASS OVER ELECTRICAL PANELS.

K. THE DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES. THE SCALE, WHEN INDICATED IS INTENDED FOR GENERAL REFERENCE ONLY.

L. ALL SHUTDOWNS SHALL BE COORDINATED AND APPROVED THROUGH THE OWNERS REPRESENTATIVE AND WILL REQUIRE ADVANCE NOTICE OF ONE WEEK. THIS TIME LENGTH MAY BE LONGER OR SHORTER FOR SOME SHUTDOWNS AND SHALL BE AT THE OWNERS DISCRETION.

M. LEAVE A MINIMUM CLEARANCE OF 2 INCHES ABOVE DUCTS INSTALLED IN RATED PARTITIONS TO ALLOW SPACE FOR THE GENERAL CONTRACTOR TO SEAL THE WALL ABOVE THE DUCTS. DO NOT INSTALL FLEXIBLE DUCT THROUGH RATED WALLS, BARRIERS OR PARTITIONS.

N. PROVIDE REMOVABLE ACCESS DOORS AT ALL MOTOR OPERATED DAMPERS, FIRE DAMPERS, SMOKE DAMPERS, DUCT COILS, SMOKE DETECTORS, AND SIMILAR ITEMS REQUIRING MAINTENANCE OR ADJUSTMENT.

O. MECHANICAL CONTRACTOR SHALL INSTALL MANUAL VOLUME DAMPERS ON ALL BRANCH DUCTWORK CONNECTIONS.

P. CONSTRUCTION DEBRIS SHALL BE REMOVED DAILY.

GENERAL DEMOLITION NOTES

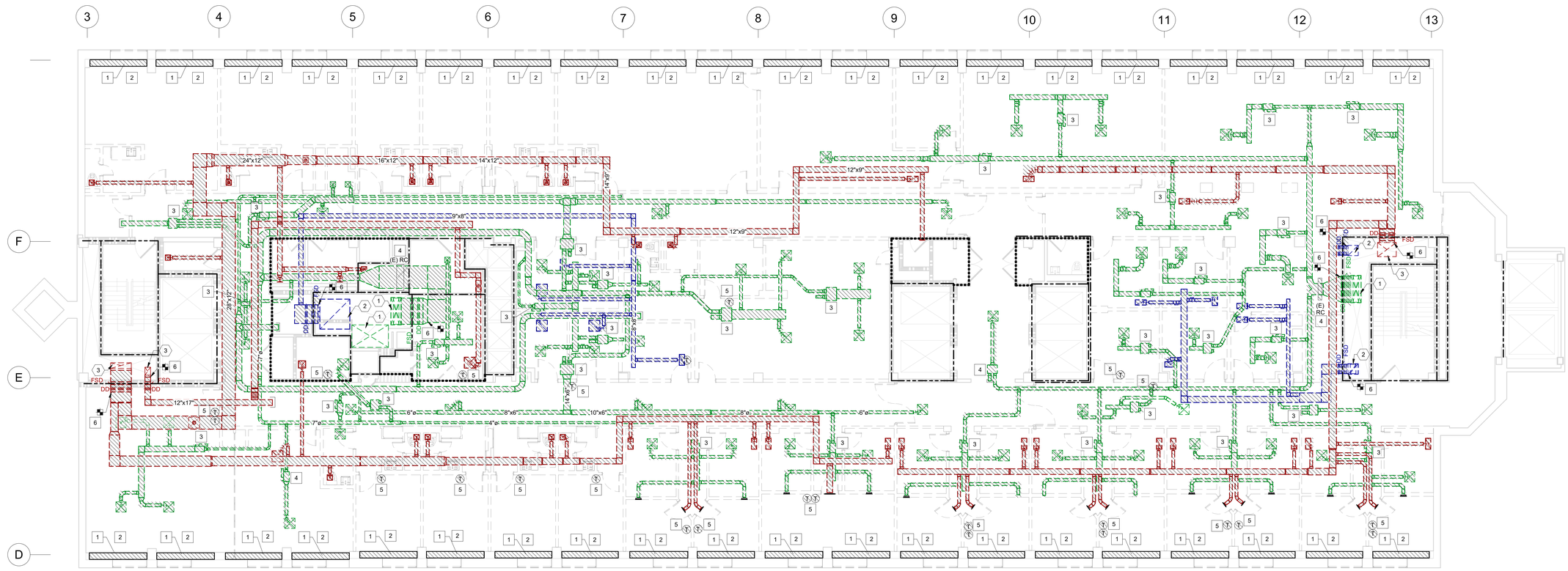
1. THE DRAWING SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES. THE SCALE, WHEN INDICATED IS INTENDED FOR GENERAL REFERENCE ONLY.
2. THE DEMOLITION PLAN IS INTENEDED TO PROVIDE THE CONTRACTOR WITH A GENERAL KNOWLEDGE OF THE EXISTING CONDITIONS WITHIN THE PROJECT AREA. EXISTING EQUIPMENT, STRUCTURE, DUCTWORK, ETC. LOCATED ON THE DRAWINGS WERE DERIVED FROM EXISTING DRAWINGS AND LIMITED SITE OBSERVATIONS. THIS DRAWING MAY NOT BE ALL INCLUSIVE OF SERVICES THAT EXIST IN THE PROJECT AREA. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO BID AND DEMOLITION WORK. FIELD CONDTIONS SHALL GOVERN. ANY DEVIATIONS IMPACTING WORK SHOWN ON THESE DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT AND ENGINEER PRIOR TO BEGINNING DEMOLITION. BEGINNING OF DEMOLITION SHALL SIGNIFY CONTRACTORS ACCEPTANCE OF EXISTING CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIREMENT DEMOLITION WHETHER SHOWN ON THE PLANS OR NOT.
3. ALL DEMOLISHED VAV BOXES, INDUCTION UNITS AND REHEAT COILS SHALL BE TURNED OVER TO THE OWNER OR DISPOSED AS DIRECTOR BY OWNER.
4. THE DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES. THE SCALE, WHEN INDICATED IS INTENDED FOR GENERAL REFERENCES ONLY.
5. ANY EXISTING PIPE OR DUCT INSULATION THAT IS DAMAGED DURING CONTRUCTION SHALL BE REMOVED AND REPLACED WITH NEW INSULATION TO MATCH ADJACENT INSULATION AND COVERING.
6. CONSTRUCTION DEBRIS SHALL BE REMOVED DAILY.
7. MECHANICAL CONTRACTOR SHALL RELOCATE EXISTING EQUIPMENT TO REMAIN AS REQUIRED TO COORDINATE INSTALLATION OF NEW WORK.
8. ALL EXISTING CONTROLS, PNEUMATIC OR OTHERWISE ON THE 6TH FLOOR SHALL BE REMOVED.
9. REMOVED ALL ABANDONED DUCTWORK ABOVE CEILING (CEILING SHOWN ON THIS DEMOLITION PLAN)

EXISTING KEYED NOTES

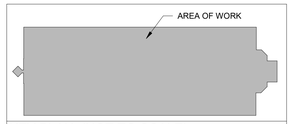
1. EXISTING SUPPLY AIR DUCT UP TO FLOORS ABOVE AND DOWN TO FLOORS BELOW.
2. EXISTING RETURN AIR DUCT UP TO FLOORS ABOVE AND DOWN TO FLOORS BELOW.
3. EXISTING EXHAUST AIR DUCT UP TO FLOORS ABOVE AND DOWN TO FLOORS BELOW.

DEMOLITION KEYED NOTES

1. DEMOLISH EXISTING INDUCTION UNIT AND ALL ASSOCIATED SUPPORTS AND CONTROLS COMPLETE. DEMOLISH ASSOCIATED DUCTWORK BACK TO WALL AND CAP.
2. REMOVE ALL ASSOCIATED PIPING INCLUDING CONDENSATE DRAINS, IF APPLICABLE. COORDINATE OUTSIDE AIR WALL OPENING PATCHING WORK WITH G.C. & PROJECT ARCHITECT.
3. DEMOLISH EXISTING VAV BOX AND ALL ASSOCIATED DUCTWORK, AIR TERMINALS AND CONTROLS COMPLETELY, INCLUDING WIRING AND FIRE DAMPER & DD.
4. DEMOLISH EXISTING REHEAT COIL AND ALL ASSOCIATED PIPING COMPLETE. SEE MD101 FOR PIPING DEMOLITION.
5. REMOVE ALL EXISTNG WALL MOUNTED THERMOSTAT AND WIRING INCLUDING ABOVE CEILING.
6. DEMOLISH EXISTING DUCT, FIRE SMOKE DAMPER AND DUCT DETECTOR COMPLETE BACK TO RISER IN CHASE AND CAP.



1 MECHANICAL - LEVEL 6 - DEMOLITION - DUCTWORK
1/8" = 1'-0"



KEY PLAN: (NOT TO SCALE)

GRAPHIC SCALE

8 0 4 8 16 32

(in Feet)
1 inch = 8 ft.

Revisions:	Date:

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REGISTERED PROFESSIONAL ENGINEER GREGORY A. TURNER PE033510 09/21/23

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
MECHANICAL - LEVEL 06 - DEMOLITION - DUCTWORK	100% CONSTRUCTION DOCUMENTS	RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: MD100
		Issue Date: 9/21/2023 · Checked: GAT · Drawn: CAC	

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VA FORM 08 - 6231

GENERAL NOTES

A. ALL DUCTS, PIPE, AND EQUIPMENT SHALL BE LATERALLY RESTRAINED TO COMPLY WITH THE STATE BUILDING CODE.

B. BEFORE FABRICATING ANY SHEET METAL DUCTWORK, COORDINATE LOCATION AND SIZE WITH SPRINKLER & PLUMBING PIPING, CONDUITS, LIGHT FIXTURES, STRUCTURAL, ETC. PLANS ARE SCHEMATIC AND ARE NOT SHOP DRAWINGS. SUBMIT DUCTWORK COORDINATION DRAWINGS, AS SPECIFIED.

C. BEFORE SUBMITTING SHOP DRAWINGS, COORDINATE VOLTAGES AVAILABLE FOR MECHANICAL EQUIPMENT AND PROVISION OF ALL STARTERS AND DISCONNECT SWITCHES WITH ELECTRICAL CONTRACTOR.

D. MECHANICAL CONTRACTOR SHALL MAKE PROVISIONS FOR PROVIDING A CONDENSATE DRAIN TRAP A MINIMUM OF 4" DEEP OR 1/2" PLUS THE STATIC PRESSURE OF THE UNIT SUPPLY FAN.

E. ALL EQUIPMENT SHALL BE U.L. LISTED.

F. THE ELECTRICAL CONTRACTOR SHALL CONNECT ALL MECHANICAL EQUIPMENT; PROVIDE DISCONNECTS, WIRING AND CONDUIT, INSTALL STARTERS, AND MOUNT AND WIRE VARIABLE SPEED DRIVES, UNLESS OTHERWISE NOTED.

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L. ALL SHUTDOWNS SHALL BE COORDINATED AND APPROVED THROUGH THE OWNERS REPRESENTATIVE AND WILL REQUIRE ADVANCE NOTICE OF ONE WEEK. THIS TIME LENGTH MAY BE LONGER OR SHORTER FOR SOME SHUTDOWNS AND SHALL BE AT THE OWNERS DISCRETION.

M. LEAVE A MINIMUM CLEARANCE OF 2 INCHES ABOVE DUCTS INSTALLED IN RATED PARTITIONS TO ALLOW SPACE FOR THE GENERAL CONTRACTOR TO SEAL THE WALL ABOVE THE DUCTS. DO NOT INSTALL FLEXIBLE DUCT THROUGH RATED WALLS, BARRIERS OR PARTITIONS.

N. PROVIDE REMOVABLE ACCESS DOORS AT ALL MOTOR OPERATED DAMPERS, FIRE DAMPERS, SMOKE DAMPERS, DUCT COILS, SMOKE DETECTORS, AND SIMILAR ITEMS REQUIRING MAINTENANCE OR ADJUSTMENT.

O. MECHANICAL CONTRACTOR SHALL INSTALL MANUAL VOLUME DAMPERS ON ALL BRANCH DUCTWORK CONNECTIONS.

P. CONSTRUCTION DEBRIS SHALL BE REMOVED DAILY.

GENERAL DEMOLITION NOTES

A. ALL DUCTS, PIPE, AND EQUIPMENT SHALL BE LATERALLY RESTRAINED TO COMPLY WITH THE STATE BUILDING CODE.

B. ALL ABANDONED PIPING ABOVE CEILING SHALL BE REMOVED AS PART OF DEMO WORK.

C. BEFORE SUBMITTING SHOP DRAWINGS, COORDINATE VOLTAGES AVAILABLE FOR MECHANICAL EQUIPMENT AND PROVISION OF ALL STARTERS AND DISCONNECT SWITCHES WITH ELECTRICAL CONTRACTOR.

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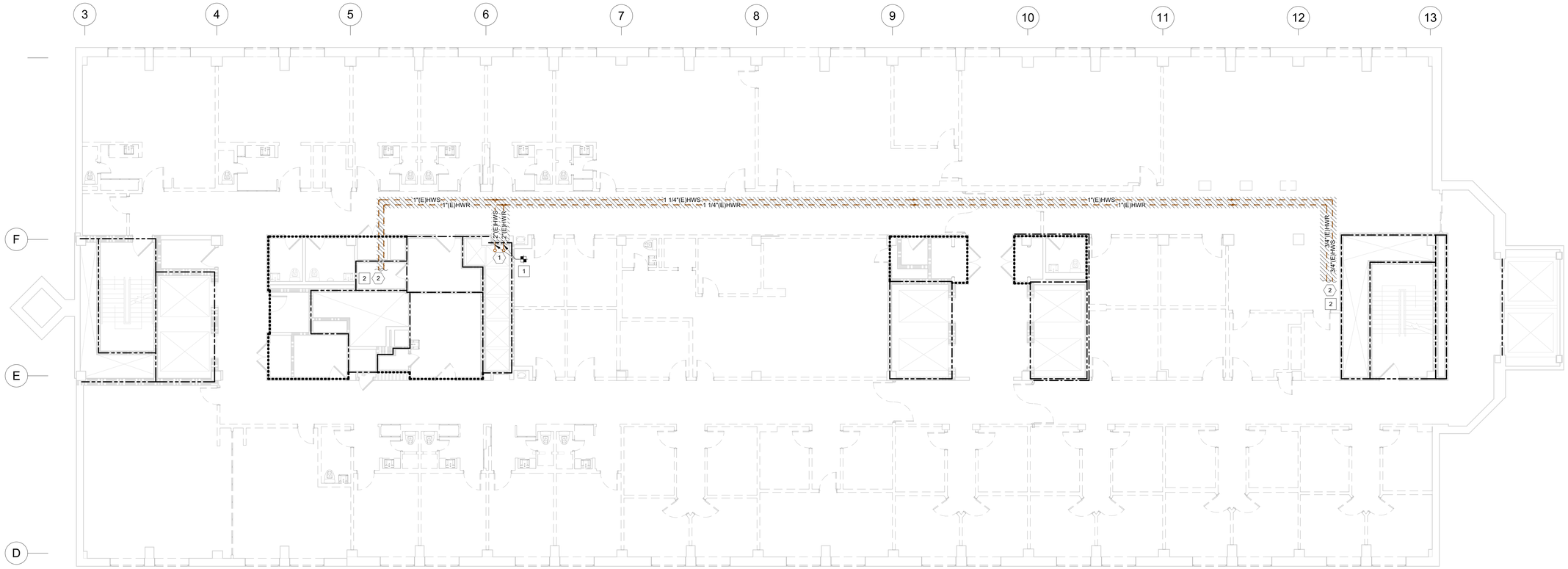
I. CONSTRUCTION DEBRIS SHALL BE REMOVED DAILY.

EXISTING KEYED NOTES

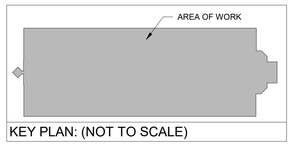
1. EXISTING 2" HOT WATER SUPPLY AND RETURN RISER TO REMAIN.
2. EXISTING HOT WATER SUPPLY AND RETURN PIPING TO EXISTING DUCT REHEAT COIL.

DEMOLITION KEYED NOTES

1. DEMOLISH EXISTING 2" HOT WATER SUPPLY AND RETURN PIPING BACK TO RISER AND PREPARE FOR NEW WORK. ANY SHUTDOWN OF THE EXISTING RISER SHALL BE COORDINATED WITH OWNER MINIMUM TWO WEEKS IN ADVANCED. THE SHUTDOWN SHALL TAKE PLACE DURING OFF HOURS.
2. DEMOLISH ALL EXISTING REHEAT COILS AND ALL PIPING & ACCESSORIES ASSOCIATED WITH PIPING.



1 MECHANICAL - LEVEL 6 - DEMOLITION - PIPING
1/8" = 1'-0"



KEY PLAN: (NOT TO SCALE)

GRAPHIC SCALE

8 0 4 8 16 32

(in Feet)
1 inch = 8 ft.

Revisions:	Date:

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STATE OF NORTH CAROLINA 033510 PROFESSIONAL ENGINEER GREGORY A. TURNER 09/21/23

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
MECHANICAL - LEVEL 06 - DEMOLITION - PIPING	100% CONSTRUCTION DOCUMENTS	RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: MD101
		Issue Date: 9/21/2023 · Checked: GAT · Drawn: CAC	

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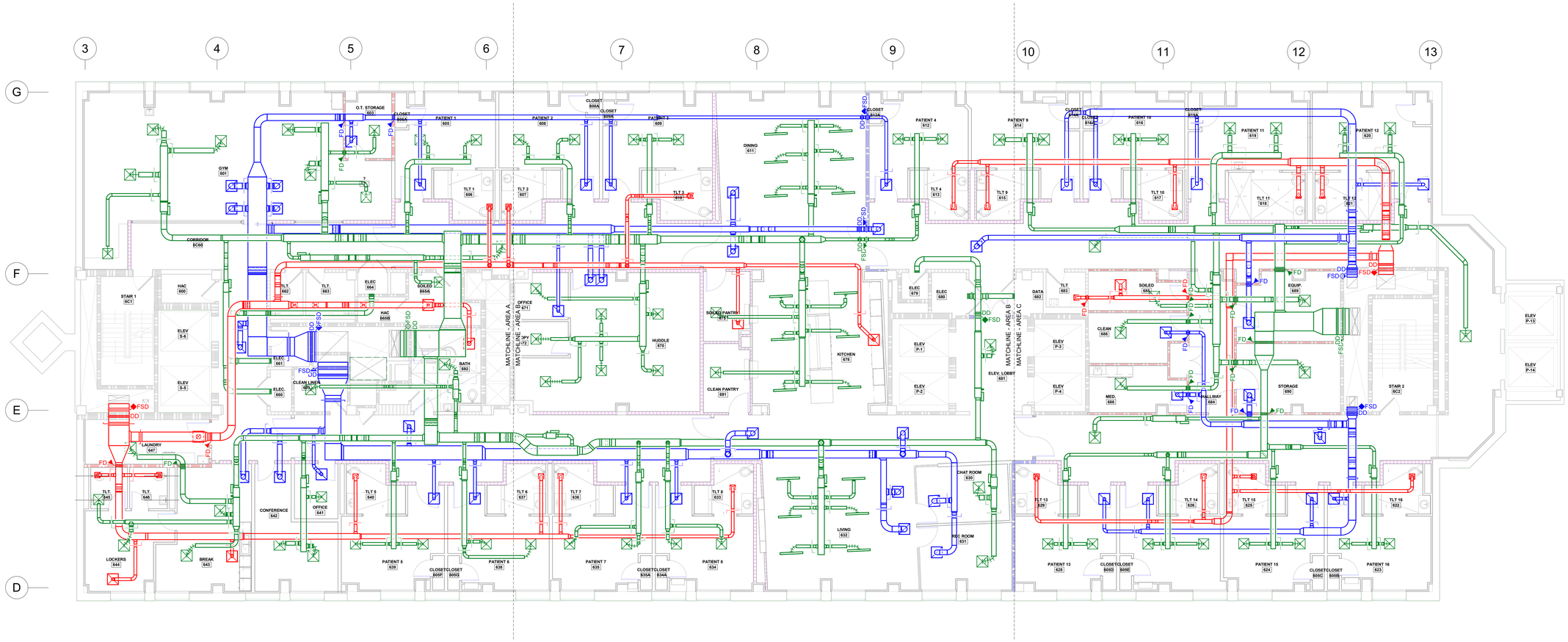
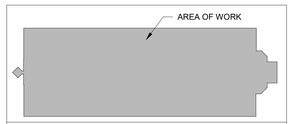


1 MECHANICAL - LEVEL 6 - NEW WORK - DUCTWORK - OVERALL
1/8" = 1'-0"

FOR REFERENCE ONLY. REFER TO 1/4" PLANS FOR SIZES AND AIRFLOWS.

WALL RATING LEGEND

- 2 HR FIRE RATED
- 1 HR FIRE RATED
- 3 HR SMOKE BARRIER
- 2 HR SMOKE BARRIER
- 1 HR SMOKE BARRIER
- SMOKE PARTITION



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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: MECHANICAL - LEVEL 06 - NEW WORK - DUCTWORK - OVERALL	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: MH100
		Issue Date: 9/21/2023 · Checked: GAT · Drawn: CAC	

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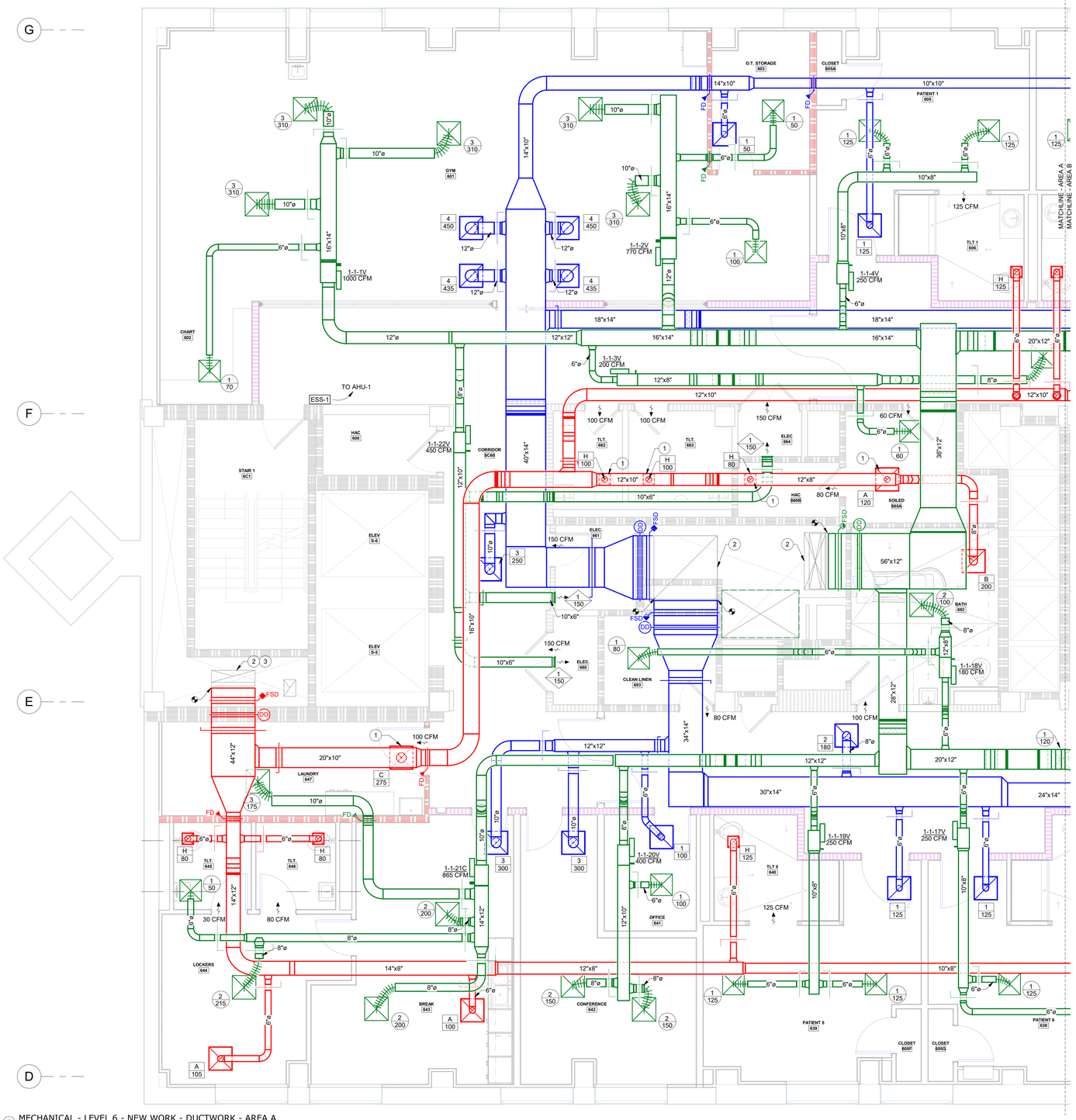


1 MECHANICAL - LEVEL 6 - NEW WORK - DUCTWORK - AREA A
1/4" = 1'-0"

GENERAL NOTES

A. ALL DUCTS, PIPE, AND EQUIPMENT SHALL BE LATERALLY RESTRAINED TO COMPLY WITH THE STATE BUILDING CODE.

B. BEFORE FABRICATING ANY SHEET METAL DUCTWORK, COORDINATE LOCATION AND SIZE WITH SPRINKLER & PLUMBING PIPING, CONDUITS, LIGHT FIXTURES, STRUCTURAL, ETC. PLANS ARE SCHEMATIC AND ARE NOT SHOP DRAWINGS. SUBMIT DUCTWORK COORDINATION DRAWINGS, AS SPECIFIED.

C. BEFORE SUBMITTING SHOP DRAWINGS, COORDINATE VOLTAGES AVAILABLE FOR MECHANICAL EQUIPMENT AND PROVISION OF ALL STARTERS AND DISCONNECT SWITCHES WITH ELECTRICAL CONTRACTOR.

D. MECHANICAL CONTRACTOR SHALL MAKE PROVISIONS FOR PROVIDING A CONDENSATE DRAIN TRAP A MINIMUM OF 4" DEEP OR 1/2" PLUS THE STATIC PRESSURE OF THE UNIT SUPPLY FAN.

E. ALL EQUIPMENT SHALL BE U.L. LISTED.

F. THE ELECTRICAL CONTRACTOR SHALL CONNECT ALL MECHANICAL EQUIPMENT; PROVIDE DISCONNECTS, WIRING AND CONDUIT, INSTALL STARTERS, AND MOUNT AND WIRE VARIABLE SPEED DRIVES, UNLESS OTHERWISE NOTED.

G. FIRE AND SMOKE DAMPERS SHALL BE INSTALLED IN COMPLETE ACCORDANCE WITH THE MANUFACTURER'S U.L. LISTING AND INSTALLATION INSTRUCTIONS. FIRE AND SMOKE DAMPERS SHALL HAVE SPECIFIC U.L. LISTING FOR THE CONSTRUCTION IN WHICH THEY ARE INSTALLED. PROVIDE DYNAMIC FIRE DAMPERS.

H. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH OTHER TRADES TO ELIMINATE CONFLICT WITH OTHER TRADES. ANY WORK INSTALLED BY THIS CONTRACTOR THAT RESULTS IN CONFLICT, DUE TO LACK OF COORDINATION BETWEEN TRADES, SHALL BE CHANGED AS DIRECTED BY THE ARCHITECT/ENGINEER WITHOUT ADDITIONAL COMPENSATION TO THE CONTRACTOR.

I. SMOKE DETECTORS SHALL BE FURNISHED BY THE FIRE ALARM CONTRACTOR AND INSTALLED BY THE MECHANICAL CONTRACTOR UNLESS OTHERWISE NOTED. PROVIDE DUCT ACCESS DOOR AT EACH DETECTOR. INSTALL DETECTORS IN COMPLETE ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

J. MECHANICAL CONTRACTOR SHALL COORDINATE ROUTING OF DUCTWORK TO ENSURE DUCTWORK DOES NOT PASS OVER ELECTRICAL PANELS.

K. THE DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES. THE SCALE, WHEN INDICATED IS INTENDED FOR GENERAL REFERENCE ONLY.

L. ALL SHUTDOWNS SHALL BE COORDINATED AND APPROVED THROUGH THE OWNERS REPRESENTATIVE AND WILL REQUIRE ADVANCE NOTICE OF ONE WEEK. THIS TIME LENGTH MAY BE LONGER OR SHORTER FOR SOME SHUTDOWNS AND SHALL BE AT THE OWNERS DISCRETION.

M. LEAVE A MINIMUM CLEARANCE OF 2 INCHES ABOVE DUCTS INSTALLED IN RATED PARTITIONS TO ALLOW SPACE FOR THE GENERAL CONTRACTOR TO SEAL THE WALL ABOVE THE DUCTS. DO NOT INSTALL FLEXIBLE DUCT THROUGH RATED WALLS, BARRIERS OR PARTITIONS.

N. PROVIDE REMOVABLE ACCESS DOORS AT ALL MOTOR OPERATED DAMPERS, FIRE DAMPERS, SMOKE DAMPERS, DUCT COILS, SMOKE DETECTORS, AND SIMILAR ITEMS REQUIRING MAINTENANCE OR ADJUSTMENT.

O. MECHANICAL CONTRACTOR SHALL INSTALL MANUAL VOLUME DAMPERS ON ALL BRANCH DUCTWORK CONNECTIONS.

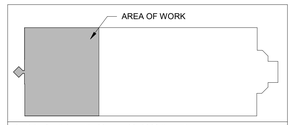
P. CONSTRUCTION DEBRIS SHALL BE REMOVED DAILY.

NEW WORK KEYED NOTES

1. PROVIDE MANUAL VOLUME DAMPERS ON EXHAUST AIR BRANCH DUCTS.
2. MECHANICAL CONTRACTOR SHALL PERFORM DUCTWORK AIR FLOW TESTS AND STATIC PRESSURE TESTS AT LOCATION DESIGNATED ON PLANS. MODIFICATION TO THE EXISTING AHU CONTROLS MAY BE REQUIRED TO ACHIEVE NEW AIRFLOWS, AND SHALL BE INCLUDED WITHIN THE SCOPE OF THIS PROJECT. BEFORE STARTING DEMOLITION WORK, SUBMIT RESULTS OF TEST TO ENGINEER FOR REVIEW AND COMMENTS.
3. TEST AND BALANCE CONTRACTOR SHALL FIELD VERIFY EXISTING EXHAUST FAN CFM AND STATIC PRESSURE PERFORMANCE AND ADJUST FAN OPERATION PERFORMANCE TO DATA REQUIRED BY THIS PROJECT.

WALL RATING LEGEND

	2 HR FIRE RATED
	1 HR FIRE RATED
	3 HR SMOKE BARRIER
	2 HR SMOKE BARRIER
	1 HR SMOKE BARRIER
	SMOKE PARTITION



KEY PLAN: (NOT TO SCALE)

GRAPHIC SCALE

4 0 2 4 8 16

(in Feet)
1 inch = 4 ft.

Revisions:	Date:

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CHARLOTTE ENGINEERS

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LICENSED PROFESSIONAL ENGINEER GREGORY A. TURNER NC PE033510 9/21/23

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: MECHANICAL - LEVEL 06 - NEW WORK - DUCTWORK - AREA A	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: MH100-A
		Issue Date: 9/21/2023 · Checked: GAT · Drawn: CAC	

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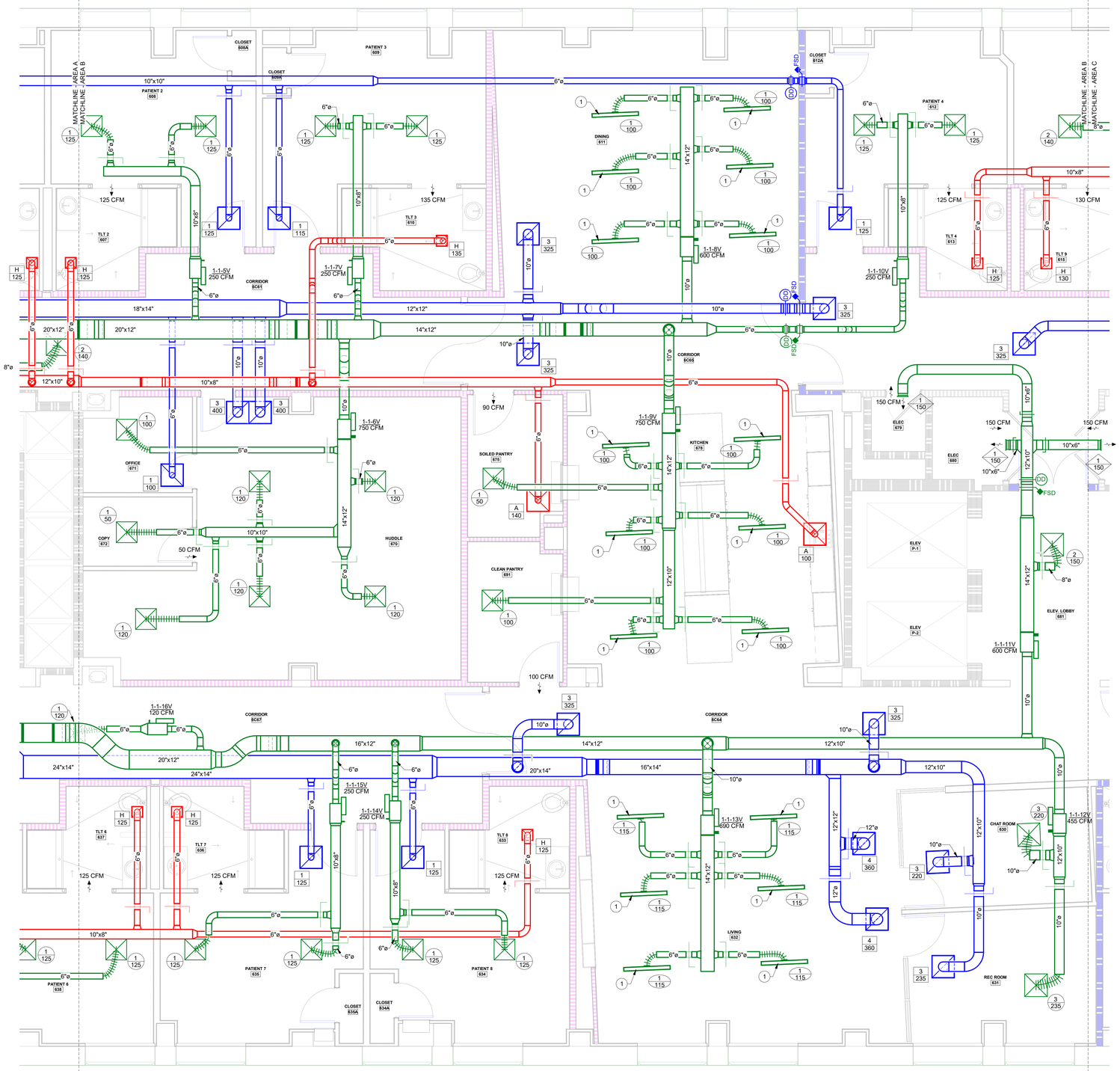


1 MECHANICAL - LEVEL 6 - NEW WORK - DUCTWORK - AREA B
1/4" = 1'-0"

GENERAL NOTES

A. ALL DUCTS, PIPE, AND EQUIPMENT SHALL BE LATERALLY RESTRAINED TO COMPLY WITH THE STATE BUILDING CODE.

B. BEFORE FABRICATING ANY SHEET METAL DUCTWORK, COORDINATE LOCATION AND SIZE WITH SPRINKLER & PLUMBING PIPING, CONDUITS, LIGHT FIXTURES, STRUCTURAL, ETC. PLANS ARE SCHEMATIC AND ARE NOT SHOP DRAWINGS. SUBMIT DUCTWORK COORDINATION DRAWINGS, AS SPECIFIED.

C. BEFORE SUBMITTING SHOP DRAWINGS, COORDINATE VOLTAGES AVAILABLE FOR MECHANICAL EQUIPMENT AND PROVISION OF ALL STARTERS AND DISCONNECT SWITCHES WITH ELECTRICAL CONTRACTOR.

D. MECHANICAL CONTRACTOR SHALL MAKE PROVISIONS FOR PROVIDING A CONDENSATE DRAIN TRAP A MINIMUM OF 4" DEEP OR 1/2" PLUS THE STATIC PRESSURE OF THE UNIT SUPPLY FAN.

E. ALL EQUIPMENT SHALL BE U.L. LISTED.

F. THE ELECTRICAL CONTRACTOR SHALL CONNECT ALL MECHANICAL EQUIPMENT; PROVIDE DISCONNECTS, WIRING AND CONDUIT, INSTALL STARTERS, AND MOUNT AND WIRE VARIABLE SPEED DRIVES, UNLESS OTHERWISE NOTED.

G. FIRE AND SMOKE DAMPERS SHALL BE INSTALLED IN COMPLETE ACCORDANCE WITH THE MANUFACTURER'S U.L. LISTING AND INSTALLATION INSTRUCTIONS. FIRE AND SMOKE DAMPERS SHALL HAVE SPECIFIC U.L. LISTING FOR THE CONSTRUCTION IN WHICH THEY ARE INSTALLED. PROVIDE DYNAMIC FIRE DAMPERS.

H. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH OTHER TRADES TO ELIMINATE CONFLICT WITH OTHER TRADES. ANY WORK INSTALLED BY THIS CONTRACTOR THAT RESULTS IN CONFLICT, DUE TO LACK OF COORDINATION BETWEEN TRADES, SHALL BE CHANGED AS DIRECTED BY THE ARCHITECT/ENGINEER WITHOUT ADDITIONAL COMPENSATION TO THE CONTRACTOR.

I. SMOKE DETECTORS SHALL BE FURNISHED BY THE FIRE ALARM CONTRACTOR AND INSTALLED BY THE MECHANICAL CONTRACTOR UNLESS OTHERWISE NOTED. PROVIDE DUCT ACCESS DOOR AT EACH DETECTOR. INSTALL DETECTORS IN COMPLETE ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

J. MECHANICAL CONTRACTOR SHALL COORDINATE ROUTING OF DUCTWORK TO ENSURE DUCTWORK DOES NOT PASS OVER ELECTRICAL PANELS.

K. THE DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES. THE SCALE, WHEN INDICATED IS INTENDED FOR GENERAL REFERENCE ONLY.

L. ALL SHUTDOWNS SHALL BE COORDINATED AND APPROVED THROUGH THE OWNERS REPRESENTATIVE AND WILL REQUIRE ADVANCE NOTICE OF ONE WEEK. THIS TIME LENGTH MAY BE LONGER OR SHORTER FOR SOME SHUTDOWNS AND SHALL BE AT THE OWNERS DISCRETION.

M. LEAVE A MINIMUM CLEARANCE OF 2 INCHES ABOVE DUCTS INSTALLED IN RATED PARTITIONS TO ALLOW SPACE FOR THE GENERAL CONTRACTOR TO SEAL THE WALL ABOVE THE DUCTS. DO NOT INSTALL FLEXIBLE DUCT THROUGH RATED WALLS, BARRIERS OR PARTITIONS.

N. PROVIDE REMOVABLE ACCESS DOORS AT ALL MOTOR OPERATED DAMPERS, FIRE DAMPERS, SMOKE DAMPERS, DUCT COILS, SMOKE DETECTORS, AND SIMILAR ITEMS REQUIRING MAINTENANCE OR ADJUSTMENT.

O. MECHANICAL CONTRACTOR SHALL INSTALL MANUAL VOLUME DAMPERS ON ALL BRANCH DUCTWORK CONNECTIONS.

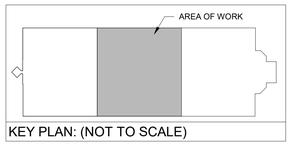
P. CONSTRUCTION DEBRIS SHALL BE REMOVED DAILY.

NEW WORK KEYED NOTES

1. REFER TO RCP AND ARCHITECTURAL INSTRUCTIONS CONCERNING EXACT PLACEMENT OF DIFFUSER. PROVIDE STANDARD FRAME BORDER METERED ON BOTH ENDS AND PROVIDE WITH CONCEALED FASTENERS. COORDINATE DIFFUSER FINISH WITH PROJECT ARCHITECT AND OWNER. ADJUST AIRFLOW TO VERTICAL PATTERN AIR DISTRIBUTION. COORDINATE DIFFUSER DAMPER ACCESS WITH ARCHITECTURAL DRAWINGS.

WALL RATING LEGEND

	2 HR FIRE RATED
	1 HR FIRE RATED
	3 HR SMOKE BARRIER
	2 HR SMOKE BARRIER
	1 HR SMOKE BARRIER
	SMOKE PARTITION



KEY PLAN: (NOT TO SCALE)

GRAPHIC SCALE

4 0 2 4 8 16

(in Feet)
1 inch = 4 ft.

Revisions:	Date:

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LICENSED PROFESSIONAL ENGINEER GREGORY A. TURNER PE033510 09/21/23

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
MECHANICAL - LEVEL 06 - NEW WORK - DUCTWORK - AREA B	100% CONSTRUCTION DOCUMENTS	RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: MH100-B
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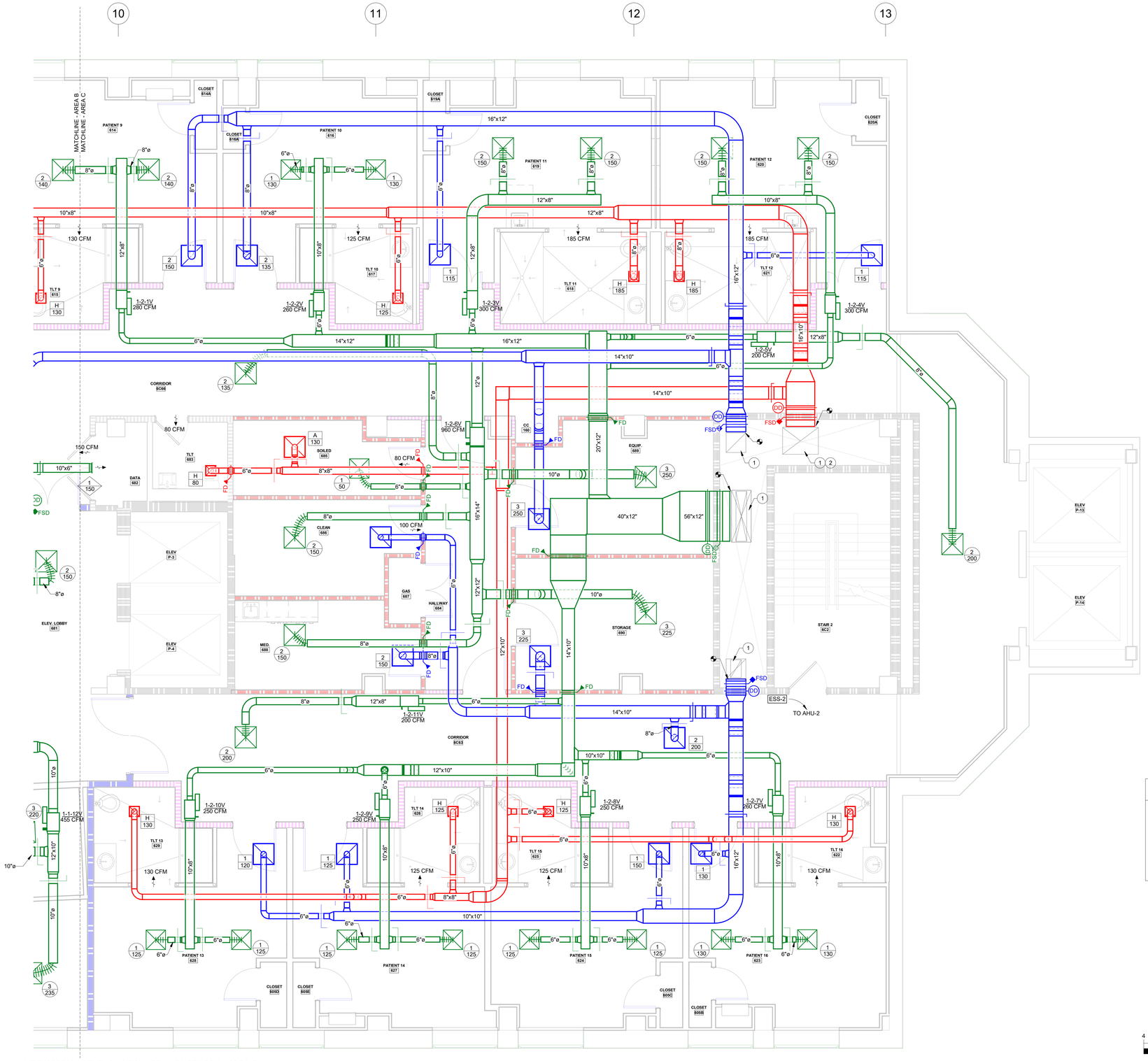

1 MECHANICAL - LEVEL 6 - NEW WORK - DUCTWORK - AREA C
1/4" = 1'-0"

GENERAL NOTES

A. ALL DUCTS, PIPE, AND EQUIPMENT SHALL BE LATERALLY RESTRAINED TO COMPLY WITH THE STATE BUILDING CODE.

B. BEFORE FABRICATING ANY SHEET METAL DUCTWORK, COORDINATE LOCATION AND SIZE WITH SPRINKLER & PLUMBING PIPING, CONDUITS, LIGHT FIXTURES, STRUCTURAL, ETC. PLANS ARE SCHEMATIC AND ARE NOT SHOP DRAWINGS. SUBMIT DUCTWORK COORDINATION DRAWINGS, AS SPECIFIED.

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L. ALL SHUTDOWNS SHALL BE COORDINATED AND APPROVED THROUGH THE OWNERS REPRESENTATIVE AND WILL REQUIRE ADVANCE NOTICE OF ONE WEEK. THIS TIME LENGTH MAY BE LONGER OR SHORTER FOR SOME SHUTDOWNS AND SHALL BE AT THE OWNERS DISCRETION.

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1. MECHANICAL CONTRACTOR SHALL PERFORM DUCTWORK AIR FLOW TESTS AND STATIC PRESSURE TESTS AT LOCATION DESIGNATED ON PLANS. MODIFICATION TO THE EXISTING AHU CONTROLS MAY BE REQUIRED TO ACHIEVE NEW AIRFLOWS, AND SHALL BE INCLUDED WITHIN THE SCOPE OF THIS PROJECT. BEFORE STARTING DEMOLITION WORK, SUBMIT RESULTS OF TEST TO ENGINEER FOR REVIEW AND COMMENTS.
2. TEST AND BALANCE CONTRACTOR SHALL FIELD VERIFY EXISTING EXHAUST FAN CFM AND STATIC PRESSURE PERFORMANCE AND ADJUST FAN OPERATION PERFORMANCE TO DATA REQUIRED BY THIS PROJECT.

WALL RATING LEGEND

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	3 HR SMOKE BARRIER
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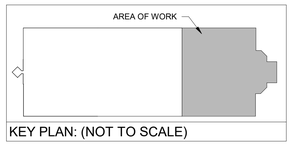
	SMOKE PARTITION



KEY PLAN: (NOT TO SCALE)

GRAPHIC SCALE
4 0 2 4 8 16
(in Feet)
1 inch = 4 ft.

Revisions:	Date:

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GREGORY A. TURNER PE003510 PROFESSIONAL ENGINEER
04/21/23

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: MECHANICAL - LEVEL 06 - NEW WORK - DUCTWORK - AREA C
Approved:
Phase: 100% CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED
Project Title: RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC
Location: 1670 CLAIRMONT RD, DECATUR, GA
Issue Date: 9/21/2023
Checked: GAT
Drawn: CAC
Project Number: 508-22-105
Building Number: C
Drawing Number: MH100-C

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GENERAL DEMOLITION NOTES

A. ALL PIPE AND EQUIPMENT SHALL BE LATERALLY RESTRAINED TO COMPLY WITH THE STATE BUILDING CODE.

B. BEFORE SUBMITTING SHOP DRAWINGS, COORDINATE VOLTAGES AVAILABLE FOR MECHANICAL EQUIPMENT AND PROVISION OF ALL STARTERS AND DISCONNECT SWITCHES WITH ELECTRICAL CONTRACTOR.

C. ALL EQUIPMENT SHALL BE U.L. LISTED.

D. THE ELECTRICAL CONTRACTOR SHALL CONNECT ALL MECHANICAL EQUIPMENT; PROVIDE DISCONNECTS, WIRING AND CONDUIT, INSTALL STARTERS, AND MOUNT AND WIRE VARIABLE SPEED DRIVES, UNLESS OTHERWISE NOTED.

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F. MECHANICAL CONTRACTOR SHALL COORDINATE ROUTING OF DUCTWORK TO ENSURE PIPING DOES NOT PASS OVER ELECTRICAL PANELS.

G. THE DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES. THE SCALE, WHEN INDICATED IS INTENDED FOR GENERAL REFERENCE ONLY.

H. ALL SHUTDOWNS SHALL BE COORDINATED AND APPROVED THROUGH THE OWNERS REPRESENTATIVE AND WILL REQUIRE ADVANCE NOTICE OF ONE WEEK. THIS TIME LENGTH MAY BE LONGER OR SHORTER FOR SOME SHUTDOWNS AND SHALL BE AT THE OWNERS DISCRETION.

I. LEAVE A MINIMUM CLEARANCE OF 2 INCHES ABOVE PIPES INSTALLED IN RATED PARTITIONS TO ALLOW SPACE FOR THE GENERAL CONTRACTOR TO SEAL THE WALL ABOVE THE PIPES.

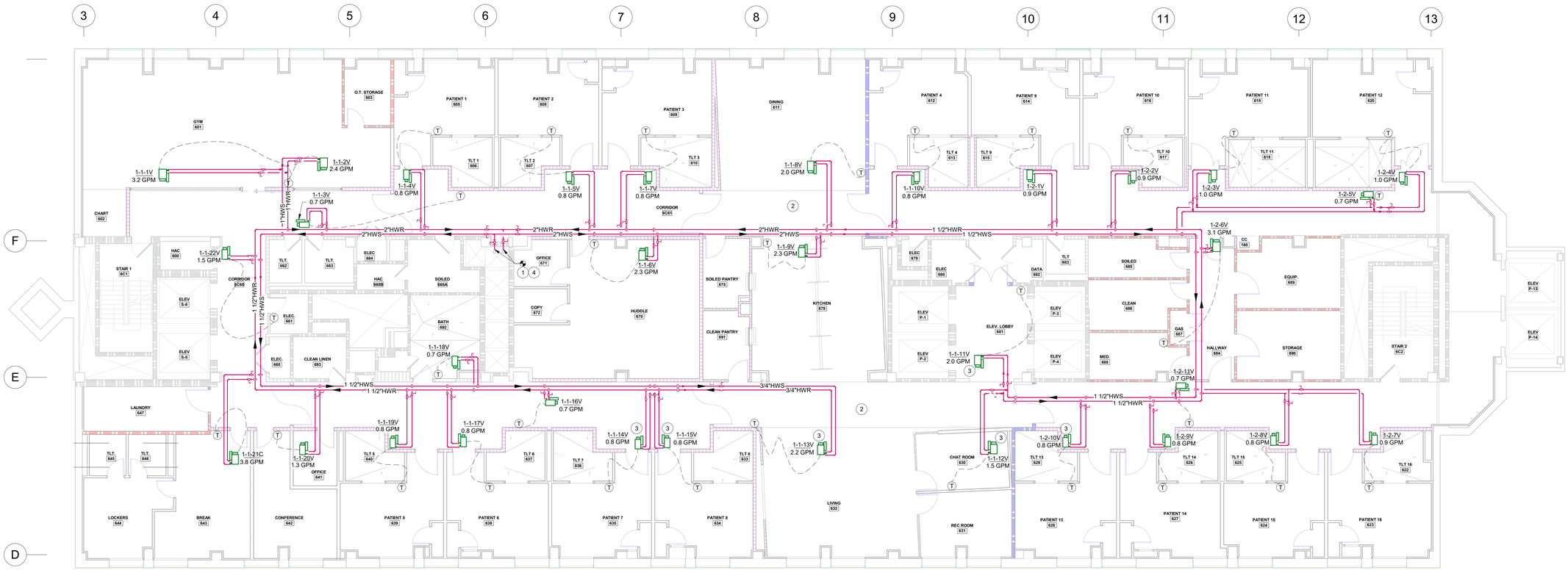
J. CONSTRUCTION DEBRIS SHALL BE REMOVED DAILY.

NEW WORK KEYED NOTES

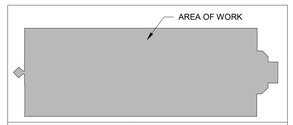
1. CONNECT NEW 2" HOT WATER SUPPLY AND RETURN PIPING TO EXISTING 2" HOT WATER SUPPLY AND RETURN RISERS.
2. ALL BRANCH LINES ARE 3/4" UNLESS OTHERWISE NOTED.
3. INSTALL 3 WAY CONTROL VALVES IN PIPING CONNECT TO INDICATED BOXES.
4. SUBMIT TO ENGINEER RESULTS OF WATER FLOW GPM IN EXISTING HWS/R RISERS BEFORE STARTING DEMOLITION WORK.

WALL RATING LEGEND

	2 HR FIRE RATED
	1 HR FIRE RATED
	3 HR SMOKE BARRIER
	2 HR SMOKE BARRIER
	1 HR SMOKE BARRIER
	SMOKE PARTITION



1 MECHANICAL - LEVEL 6 - NEW WORK - PIPING
1/8" = 1'-0"



KEY PLAN: (NOT TO SCALE)

GRAPHIC SCALE

8 0 4 8 16 32

(in Feet)
1 inch = 8 ft.

Revisions:	Date:

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ELECTRICAL SYMBOLS

(NOTE: SYMBOLS WITHIN THIS SCHEDULE ARE REPRESENTATIVE OF THOSE TYPICALLY FOUND ON THE DRAWINGS. ALL SYMBOLS MAY NOT APPEAR ON THIS SET OF DRAWINGS.)

POWER

SIMPLEX RECEPTACLE MOUNTED 18" AFF TO CENTER OF DEVICE. NEMA 5-20R UNLESS OTHERWISE INDICATED.

DUPLEX RECEPTACLE, MOUNTED 18" AFF TO CENTER OF DEVICE. NEMA 5-20R UNLESS OTHERWISE INDICATED. SLASH INDICATES CONNECTED TO THE EMERGENCY POWER SYSTEM.

TWO DUPLEX RECEPTACLES IN 2-GANG BOX, MOUNTED 18" AFF TO CENTER OF DEVICE. SLASH INDICATES CONNECTED TO THE EMERGENCY POWER SYSTEM.

DUPLEX RECEPTACLE, MOUNTED 48" AFF TO CENTER OF OUTLET OR 2" FROM BOTTOM OF OUTLET TO TOP OF BACKSPLASH OR COUNTERTOP. SLASH INDICATES CONNECTED TO THE EMERGENCY POWER SYSTEM.

TWO DUPLEX RECEPTACLES IN 2-GANG BOX, MOUNTED 48" AFF TO CENTER OF OUTLET OR 2" FROM BOTTOM OF OUTLET TO TOP OF BACKSPLASH OR COUNTERTOP. SLASH INDICATES CONNECTED TO THE EMERGENCY POWER SYSTEM.

DUPLEX RECEPTACLE OUTLET. CEILING MOUNTED.

DUPLEX RECEPTACLE IN FLUSH POKE-THRU DEVICE. 3-1/16" HOLE SIZE. BRUSHED ALUMINUM FUNISH.

SPECIAL RECEPTACLE OUTLET. NEMA CONFIGURATION AS INDICATED.

SPECIAL RECEPTACLE OUTLET. FLUSH FLOOR MOUNTED. NEMA CONFIGURATION AS INDICATED.

MODIFIERS FOR RECEPTACLES:
EWC = ELECTRIC WATER COOLER POWER CONNECTION, PROVIDE GROUND FAULT CIRCUIT INTERRUPTER DEVICE. INSTALL DEVICE SO IT IS CONCEALED BEHIND ENCLOSURE, COORDINATE WITH PLUMBING.
G = GROUND FAULT CIRCUIT INTERRUPTER.
P = PEDESTAL
TR = TAMPER RESISTANT
TV = TELEVISION, SEE DETAIL.
WP = WEATHERPROOF "IN-USE" COVER, PROVIDE GROUND FAULT CIRCUIT INTERRUPTER DEVICE.

SURFACE MOUNTED MULTIOUTLET ASSEMBLY. 46" AFF OR 8" ABOVE COUNTER OR 2" ABOVE BACKSPLASH. SHADED AREA INDICATES RECEPTACLE.

LH2A-1 — BRANCH OR FEEDER CIRCUIT HOMERUN TO PANEL BOARD, SWITCHBOARD, MOTOR CONTROL CENTER, ETC. DESIGNATION DENOTES PANEL BOARD, SWITCHBOARD, MOTOR CONTROL CENTER, ETC., AND OVERCURRENT PROTECTION DEVICE NUMBER.

4/350 — ON RISERS, DESIGNATION DENOTES QUANTITY OF CURRENT CARRYING CONDUCTORS AND FEEDER AMPACITY. SEE FEEDER SCHEDULE.

WIRING SYSTEM BELOW FLOOR OR BELOW GRADE.

WIRING SYSTEM CONCEALED IN OR ABOVE CEILING OR IN WALL.

WIRING SYSTEM EXPOSED.

WIRING SYSTEM TURNED DOWN.

WIRING SYSTEM TURNED UP.

SHOWN TO CLARIFY THAT DEVICES/LUMINAIRES ON THE SAME CIRCUIT ARE CONTROLLED SEPARATELY.

CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE.

PANELBOARD FLUSH MOUNTED.

PANELBOARD SURFACE MOUNTED.

LIM — REMOTE LINE ISOLATION MONITOR.

RA — REMOTE ALARM PANEL FOR ISOLATED POWER PANEL BOARD WALL MOUNTED AT 5'-0" AFF.

GA — GENERATOR REMOTE ALARM ANNUNCIATOR. WALL MOUNTED AT 5'-0" AFF.

J — JUNCTION OR PULL BOX. W = WEATHERPROOF.

J — JUNCTION BOX AND CONNECTION TO EQUIPMENT OR TERMINAL STRIPS.

F — CONNECTION TO EXHAUST FAN. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.

C — CEILING FAN 120V. MANUFACTURER (HUNTER#21252 GREEN FINISH W/ INTEGRATED 240W LIGHT FIXTURE)

M — CONNECTION TO FAN COIL UNIT. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.

N — CONNECTION TO HEADWALL UNIT. ONE NORMAL POWER CIRCUIT. ONE CRITICAL POWER CIRCUIT, AND ONE DEDICATED CRITICAL POWER CIRCUIT FOR VENTILATOR.

F — CONNECTION TO WALL MOUNTED FILM ILLUMINATOR. PROVIDE RECEPTACLE IN FLUSH OUTLET BOX AT LOWER RIGHT HAND CORNER OF UNIT IF SURFACE MOUNTED. HARD WIRE IF RECESSED.

F — HARDWIRE CONNECTION FROM FLUSH MOUNTED JUNCTION BOX WITH APPROPRIATE COVERPLATE AND 3/4" LIQUID TIGHT FLEXIBLE METALLIC WHIP TO PRE-WIRED FURNITURE. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH EQUIPMENT SUPPLIER/INSTALLER. EIGHT(8) WIRE SYSTEM PROVIDES FOUR(4) CIRCUITS.

P — POWER POLE. DEVICE CONFIGURATION AND COLOR AS INDICATED.

S M — MOTOR RATED SWITCH.

2 — MOTOR STARTER. NUMERAL INDICATES NEMA SIZE.

30 2 — COMBINATION MOTOR STARTER WITH CIRCUIT BREAKER. TOP NUMERAL INDICATES CIRCUIT BREAKER SIZE AND BOTTOM NUMERAL INDICATES NEMA STARTER SIZE.

30 2 — COMBINATION MOTOR STARTER WITH FUSED SWITCH. TOP NUMERAL INDICATES FUSETRON AMPERE RATING AND BOTTOM NUMERAL INDICATES NEMA STARTER SIZE.

30 — NON-FUSIBLE SAFETY SWITCH. NUMERAL INDICATES AMPERE RATING.

15 — FUSED SAFETY SWITCH. NUMERAL INDICATES FUSE RATING.

30 — ENCLOSED CIRCUIT BREAKER. NUMERAL INDICATES TRIP AMPERE RATING.

208V, 3Ø
460V, 3Ø — MOTOR CONNECTION. SPECIAL VOLTAGES AS SHOWN ON DRAWING.
EF-1, 10 HP.
120V, 1Ø
HORSEPOWER RATING
EQUIPMENT IDENTIFICATION

75KVA T — DRY TYPE TRANSFORMER.

NEC REQUIRED GROUND.

LIGHTNING PROTECTION SYSTEM GROUND ROD.

LIGHTNING PROTECTION SYSTEM AIR TERMINAL.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR TO CENTERLINE OF DEVICE.
EC	EMPTY CONDUIT.
NL	NIGHT LIGHTING, 24 HOUR, OPERATION. WIRE AHEAD OF ALL LOCAL SWITCHES.
OC	ON CENTER.
TTB	TELEPHONE TERMINAL BOARD.
+60"	DIMENSION INDICATES HEIGHT, AFF, AT WHICH DEVICE IS TO BE MOUNTED.
HW#	HEADWALL. SEE PLAN FOR NUMBER.
PC#	POWER COLUMN. SEE PLAN FOR NUMBER.
VSD	VARIABLE SPEED DRIVE
PTS	PNEUMATIC TUBE STATION
	SYMBOL LOCATION LEADER

LIGHTING

LUMINAIRE, CEILING MOUNTED, CONNECTED TO THE NORMAL POWER SYSTEM (UNLESS OTHERWISE NOTED). SEE SCHEDULE FOR TYPE (*). SEE ARCHITECTURAL RCP FOR EXACT LOCATION AND CEILING TYPE. SLASH INDICATES CONNECTED TO THE CRITICAL BRANCH. HALF-SHADED INDICATES CONNECTED TO THE EMERGENCY OR LIFE SAFETY BRANCH; VIA EMERGENCY GENERATOR SET OR BATTERY BALLAST, SEE PLANS.

LED STRIP LUMINAIRE. CEILING MOUNTED OR SUSPENDED 8'-0" AFF TO BOTTOM OF LUMINAIRE, CONNECTED TO NORMAL POWER. SLASH INDICATES CONNECTED TO THE CRITICAL BRANCH. HALF-SHADED INDICATES CONNECTED TO THE EMERGENCY OR LIFE SAFETY BRANCH; VIA EMERGENCY GENERATOR SET OR BATTERY BALLAST, SEE PLANS.

CEILING OR WALL MOUNTED EXIT SIGN. PROVIDE NUMBER OF FACES AND CHEVRONS AS INDICATED ON DRAWINGS. SEE SCHEDULE FOR TYPE (*).

EMERGENCY LIGHTING FIXTURE, CEILING-MOUNTED OR WALL-MOUNTED AT 7'-6" AFF UNLESS NOTED OTHERWISE. CONNECT UNSWITCHED.

REMOTE EMERGENCY EGRESS TWIN-LAMP UNIT.

LED LIGHTING FIXTURE, CEILING OR WALL MOUNTED, CONNECTED TO NORMAL POWER. SEE SCHEDULE FOR TYPE (*). SEE ARCHITECTURAL RCP FOR EXACT LOCATION AND CEILING TYPE. SLASH INDICATES CONNECTED TO THE CRITICAL BRANCH. HALF-SHADED INDICATES CONNECTED TO LIFE SAFETY BRANCH.

LED LIGHTING WALLWASH FIXTURE, CEILING MOUNTED. SEE SCHEDULE FOR TYPE (*).

LED LIGHTING FIXTURE, WALL MOUNTED OR UNDER CABINET, CONNECTED TO NORMAL POWER. SLASH INDICATES CONNECTED TO THE CRITICAL BRANCH. SEE SCHEDULE FOR TYPE (*).

TRACK LIGHTING FIXTURE. SEE PLANS/SCHEDULE FOR TRACK LENGTH AND NUMBER OF TRACK HEADS. SEE SCHEDULE FOR TYPE (*).

POLE MOUNTED LIGHTING FIXTURE. SEE SCHEDULE FOR TYPE (*).

POLE MOUNTED LIGHTING FIXTURE. SEE SCHEDULE FOR TYPE (*).

SWITCHES

S — SINGLE POLE SWITCH, MOUNTED 48" AFF TO CENTER OF DEVICE.

SS — TWO SINGLE POLE SWITCHES IN A 2-GANG BOX, MOUNTED 48" AFF TO CENTER OF DEVICE. PROVIDE DIVIDER FOR DIFFERENT VOLTAGES OR BRANCHES.

SSS — THREE SINGLE POLE SWITCHES IN A 3-GANG BOX, MOUNTED 48" AFF TO CENTER OF DEVICE. PROVIDE DIVIDER(S) FOR DIFFERENT VOLTAGES OR BRANCHES.

SS — TWO SINGLE POLE SWITCHES IN A 2-GANG BOX, MOUNTED 48" AFF TO CENTER OF DEVICE, TO COMPLY WITH ENERGY CODE. EITHER SWITCH INBOARD AND OUTBOARD LAMPS SEPARATELY OR STEP-DIM BOTH LAMPS TO 50%.

MODIFIERS FOR SWITCHES:
3 = THREE WAY
4 = FOUR WAY
D = DIMMER
DT = DOUBLE THROW
LV = LOW VOLTAGE
OS = OCCUPANCY SENSOR
T = TIMER
a,b,c = MULTIPLE SWITCH LEGS

PE — PHOTO ELECTRIC CELL MOUNTED ON CONDUIT STUBBED 6" ABOVE ROOF, FACING NORTH.

TC — TIME CLOCK. PROVIDE POWER CIRCUIT AND 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE.

OS — DUAL TECHNOLOGY CEILING MOUNTED OCCUPANCY SENSOR. PROVIDE ONE POWER PACK FOR EACH SENSOR. COORDINATE WIRING REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.

ELECTRICAL ENERGY CODE SUMMARY

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance:

Energy Code: ☒ Prescriptive ☐ Performance

ASHRAE 90.1: ☐ Prescriptive ☐ Performance

Lighting schedule

lamp type required in fixture

number of lamps in fixture

ballast type used in the fixture

number of ballasts in fixture

total wattage per fixture

total interior wattage specified vs. allowed NO ADDITIONAL LIGHTING LOAD ADDED

total exterior wattage specified vs. allowed N/A

Additional Efficiency Package Options

(When using the 2018 NCECC; not required for ASHRAE 90.1)

☐ C406.2 More Efficient HVAC Equipment Performance

☒ C406.3 Reduced Lighting Power Density

☐ C406.4 Enhanced Digital Lighting Controls

☐ C406.5 On-Site Renewable Energy

☐ C406.6 Dedicated Outdoor Air System

☐ C406.7 Reduced Energy Use in Service Water Heating

GENERAL PROJECT NOTES

A. THE DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES. THE SCALE, WHEN INDICATED, IS INTENDED FOR REFERENCE PURPOSES ONLY.

B. ALL POWER OUTAGES SHALL BE COORDINATED AND APPROVED THROUGH THE OWNERS' REPRESENTATIVE AND REQUIRE ADVANCE NOTICE OF AT LEAST TWO (2) WEEKS. AT THE OWNER'S REPRESENTATIVE'S DISCRETION, THIS TIME LENGTH MAY BE INCREASED OR DECREASED, DEPENDING ON THE SYSTEMS IMPACTED BY THE POWER OUTAGE.

C. CONSTRUCTION DEBRIS SHALL BE REMOVED DAILY, OR AT THE OWNER'S REPRESENTATIVE'S DISCRETION.

D. ALL ELECTRICAL MATERIAL, DEVICES, APPLIANCES, AND FIXED EQUIPMENT PROVIDED SHALL BE LISTED AND LABELED BY A NATIONALLY RECOGNIZED AND STATE APPROVED THIRD PARTY TESTING AGENCY. FACTORY LISTED COMPONENTS ASSEMBLED TOGETHER SHALL BE REVIEWED AND LABELED AS AN ASSEMBLY BY THE STATE APPROVED TESTING AGENCY.

E. FIRE ALARM APPLIANCES AND DEVICES SHOWN IN AN AREA INDICATE TO PROVIDE COVERAGE IN THAT AREA. ELECTRICAL CONTRACTOR SHALL PROVIDE APPLIANCES AND DEVICES AS REQUIRED BY THE LATEST EDITION OF NFPA 72 AND THE BUILDING CODE. NO CHANGE ORDERS WILL BE ALLOWED FOR APPLIANCES AND DEVICES REQUIRED BY NFPA 72 AND THE BUILDING CODE.

F. CONTRACTOR SHALL COORDINATE WITH THE FACILITY'S INFECTION CONTROL OFFICER TO VERIFY THAT APPROPRIATE SAFEGUARDS ARE BEING TAKEN TO PROTECT WORKERS INVOLVED IN DEMOLITION ACTIVITIES.

G. CONTRACTOR SHALL COORDINATE WITH THE FACILITY'S INFECTION CONTROL OFFICER TO VERIFY THAT APPROPRIATE PRECAUTIONS ARE BEING TAKEN TO PROTECT FACILITY STAFF AND PATIENTS DURING THE CONSTRUCTION ACTIVITIES.

H. ASBESTOS CONTAINING MATERIALS (IF PRESENT) WILL BE IDENTIFIED BY THE OWNER AND WILL BE REMOVED FROM AHU'S, PIPING INSULATION, DUCT INSULATION, ETC. (IF REQUIRED) PRIOR TO CONTRACTOR BEGINNING ANY WORK ON THE SITE. COORDINATE WITH THE OWNER.

I. ELECTRICAL WORK SHALL BE COMPLETED ACCORDING TO THE TRUE INTENT AND MEANING AS INDICATED IN THE CONTRACT DOCUMENTS. ANYTHING NOT ENTIRELY CLEAR SHALL BE EXPLAINED IF SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING.

J. CONNECTIONS OF FEEDERS AND BRANCH CIRCUITS TO SWITCHBOARDS/PANELBOARDS SHALL BE DONE IN A MANNER AS TO LIMIT THE OUTAGES TO AN ABSOLUTE MINIMUM.

K. ALL TERMINATIONS, CONDUCTORS, AND DEVICES SHALL BE 75 DEGREE CELCIUS RATED, TO THE EXTENT FEASIBLE; OTHERWISE COMPLY WITH NEC ARTICLE 110.14(C)(1).

L. ELECTRICAL CONTRACTOR SHALL NOT ROUTE WIRING CONNECTED TO THE LIFE SAFETY BRANCH OR THE CRITICAL BRANCH IN FLEXIBLE METAL RACEWAYS OR METAL SHEATHED CABLE ASSEMBLIES, EXCEPT AS ALLOWED BY NEC ARTICLE 517.31(C)(3)(3).

M. ELECTRICAL CONTRACTOR SHALL PROVIDE RACEWAYS, JUNCTION BOXES, CABINETS, ETC., IN ORDER TO SEPARATE THE LIFE SAFETY BRANCH AND/OR THE CRITICAL BRANCH CIRCUIT WIRING FROM THE WIRING AND EQUIPMENT SERVED BY ANY OTHER BRANCHES OF POWER.

N. UNLESS OTHERWISE NOTED FOR MEDICAL EQUIPMENT, ELECTRICAL CONTRACTOR SHALL INSTALL ALL RACEWAY, BOXES, AND CABLES. THE CABLES, UNLESS OTHERWISE NOTED, SHALL BE PROVIDED BY THE MEDICAL EQUIPMENT VENDOR.

O. ELECTRICAL WORK SHALL BE COMPLETED ACCORDING TO THE PHASES SHOWN ON THE ARCHITECTURAL PLANS OR AS ESTABLISHED IN THE "GENERAL CONDITIONS".

P. THE EQUIPMENT GROUNDING TERMINAL BUSES OF THE NORMAL AND THE ESSENTIAL ELECTRICAL SYSTEM BRANCH-CIRCUIT PANELBOARDS, SERVING THE SAME INDIVIDUAL PATIENT CARE VICINITY, SHALL BE BONDED TOGETHER WITH A CONTINUOUS, INSULATED COPPER GROUNDING CONDUCTOR NOT SMALLER THAN 10 AWG.

Q. A MAXIMUM OF THREE (3) 20 AMPERE, 1 POLE BRANCH CIRCUITS MAY BE COMBINED IN A COMMON HOMERUN SHARING A COMMON GROUNDED (NEUTRAL) OR WITH DEDICATED SEPARATE NEUTRALS (GROUNDED CONDUCTORS), FOR A TOTAL OF SIX CURRENT CARRYING CONDUCTORS. ALL BRANCH CIRCUITS LARGER THAN 20A SHALL BE SEPARATELY HOMERUN TO THE PANELBOARD.

R. ALL CONDUCTORS SHALL BE COPPER, RATED AT NOT LESS THAN 600 VOLTS. MINIMUM SIZE SHALL BE NO. 12 AWG, UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL CONDUCTORS #6 AWG AND LARGER SHALL BE STRANDED. #10 THRU #12 AWG CONDUCTORS SHALL BE SOLID. ALL INSULATION TYPES SHALL BE THWN OR THHN, UNLESS OTHERWISE NOTED.

S. ELECTRICAL CONTRACTOR SHALL USE MULTI-POLE CIRCUIT BREAKERS FOR ALL BRANCH CIRCUITS WITH SHARED NEUTRALS (GROUNDED CONDUCTORS) PER NEC ARTICLE 210.4(B) OR PROVIDE SEPARATE NEUTRALS (GROUNDED CONDUCTORS) FOR EACH BRANCH CIRCUIT. PANELBOARD SCHEDULES SHALL INDICATE IF MULTI-POLE OR SINGLE-POLE CIRCUIT BREAKERS WERE USED.

T. ALL WORK ASSOCIATED WITH VOICE, DATA, CCTV, CATV, NURSE CALL, WI-FI, PUBLIC ADDRESS, SECURITY ACCESS, TO BE PROVIDED BY THE OWNER. THE ELECTRICAL CONTRACTOR SHALL PROVIDE BACK BOXES AND CONDUIT STUBBED-UP, TO ACCESSIBLE CORRIDOR CEILING SPACE, WITH PULL WIRE.

U. ALL 20 AMPERE SINGLE PHASE BRANCH CIRCUIT WIRING, TO PREVENT A VOLTAGE DROP EXCEEDING 3%, SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE:

VOLTS	DISTANCE TO FIRST OUTLET	HOMERUN	REMAINDER OF CIRCUIT
120V	0'-55'	#12	#12
	55'-95'	#10	#12
	95'-145'	#8	#12
	145'-230'	#6	#12
208V	0'-95'	#12	#12
	95'-160'	#10	#12
	160'-250'	#8	#12
277V	0'-125'	#12	#12
	125'-220'	#10	#12
	220'-335'	#8	#12
480V	0'-225'	#12	#12
	225'-380'	#10	#12
	380'-585'	#8	#12

V. A SHORT-CIRCUIT/ARC FLASH AND SELECTIVE COORDINATION STUDY SHALL BE PREPARED FOR THE ELECTRICAL OVERCURRENT DEVICES BEING INSTALLED FOR THIS PROJECT. FINAL FIELD SETTINGS AND MODIFICATIONS OF THE OVERCURRENT PROTECTIVE DEVICES SHALL BE MADE TO CONFIRM WITH THE STUDY, WITHOUT ADDITIONAL COST OR TIME TO THE OWNER.

W. ALL BREAKERS 600 AMPERES AND ABOVE SHALL BE SOLID-STATE TYPE. SELECT ELECTRONIC TRIP FUNCTIONS FOR LOW-VOLTAGE CIRCUIT BREAKERS SO AS TO ACHIEVE SELECTIVE COORDINATION AS REQUIRED BY NFPA 70 (NEC).

X. LIGHTING LAYOUTS ARE BASED ON LIGHTING LEVELS RECOMMENDED BY THE IESNA (ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA). LIGHT LEVELS ARE AFFECTED BY ENVIRONMENTAL CONDITIONS SUCH AS THE COLOR OF FINISHES (CEILINGS, WALLS, FLOORS, ETC.), WINDOW TREATMENTS, FURNISHINGS, AND FINAL LUMINAIRE SELECTIONS. ALL ENVIRONMENTAL CONDITIONS MAY NOT BE ESTABLISHED DURING DESIGN, WHICH MAY IMPACT THE LIGHTING LEVELS UPON THE COMPLETION OF CONSTRUCTION. BASIS OF DESIGN LIGHTING CALCULATIONS FOR SPECIFIC AREAS ARE AVAILABLE UPON REQUEST.

Y. ALL DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER PRIOR TO BEGINNING THE WORK.

Z. ALL ELECTRICAL DEVICES, LUMINAIRES, WIRING, AND RACEWAYS IN WALLS AND IN CEILINGS BEING DEMOLISHED SHALL BE REMOVED, UNLESS OTHERWISE NOTED. RECONNECT EXISTING DEVICES AND LUMINIRES DOWNSTREAM OF THOSE BEING REMOVED. WIRING AND RACEWAYS SHALL BE REMOVED BACK TO THEIR SOURCE OF POWER, UNLESS OTHERWISE NOTED.

AA. EXISTING ELECTRICAL WORK SHOWN TO REMAIN, BUT INTERFERES WITH THE NEW WORK, SHALL BE REWORKED AND RELOCATED TO AVOID ANY INTERFERENCE.

BB. ELECTRICAL DEMOLITION WORK SHALL BE PHASED. THE ELECTRICAL CONTRACTOR SHALL DEVELOP A PHASING PLAN THAT WILL WORK WITH THE ARCHITECT'S OVERALL PHASING PLAN, THE WORK TO BE PERFORMED BY OTHER TRADES, AND TO MAINTAIN THE OWNER'S OPERATIONS.

CC. ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY POWER TO MAINTAIN THE OWNER'S OPERATIONS, AT NO EXTRA COST OR TIME TO THE OWNER, IN ORDER TO KEEP THE BUILDING IN OPERATION DURING EACH PHASE OF THE PROJECT.

DD. REMOVE EXISTING ELECTRICAL GEAR AS SHOWN. DEMOLITION OF FEEDERS AND BRANCH CIRCUITS OR TRANSFERRING FEEDERS AND BRANCH CIRCUITS TO NEW PANELBOARDS, SHALL BE PERFORMED IN A MANNER AS TO KEEP DOWNTIME AND OUTAGES TO AN ABSOLUTE MINIMUM.

EE. ELECTRICAL CONTRACTOR SHALL PREPARE AN OUTAGE PLAN, INCLUDING PROVISIONS FOR TEMPORARY POWER, AND SUBMIT IT WITH THEIR BID. THE OUTAGE PLAN SHALL INCLUDE ALL OUTAGES REQUIRED TO PERFORM THE WORK SHOWN IN THE CONTRACT DOCUMENTS. NO EXTRA COST OR TIME TO THE OWNER SHALL BE CONSIDERED FOR NOT INCLUDING REQUIRED OUTAGES. ALL OUTAGES SHALL BE COORDINATED WITH, AND APPROVED BY, THE OWNER AT LEAST TWO (2) WEEKS IN ADVANCE. AT THE OWNER'S DISCRETION, THIS TIME MAY BE LONGER OR SHORTER FOR SOME SHUTDOWNS.

FF. ELECTRICAL CONTRACTOR SHALL REMOVE ALL ELECTRICAL ITEMS ASSOCIATED WITH DEMOLITION WORK SHOWN ON THE ARCHITECTURAL, CIVIL, STRUCTURAL, INTERIOR, PLUMBING, MECHANICAL, AND FIRE PROTECTION DRAWINGS.

GG. EXISTING ELECTRICAL CONDITIONS ARE BASED UPON SITE SURVEY INFORMATION AND EXISTING RECORDIAS-BUILT DRAWINGS MADE AVAILABLE FROM THE OWNER. ELECTRICAL WORK SHOWN CONVEYS THE GENERAL SCOPE OF THE DEMOLITION WORK TO BE PERFORMED. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND OBSERVE THE EXISTING CONDITIONS PRIOR TO BIDDING. NO CHANGE ORDERS WILL BE CONSIDERED FOR CONDITIONS EASILY VISIBLE DURING A SITE VISIT.

ELECTRICAL - DRAWING INDEX

Sheet Number	Sheet Name
E001	ELECTRICAL - LEGENDS, SYMBOLS, AND DRAWING INDEX
E002	ELECTRICAL - SPECIAL SYSTEMS SYMBOLS, AND NOTES
E003	ELECTRICAL - DETAILS & LUMINAIRE SCHEDULE
E004	ELECTRICAL - SPECIAL SYSTEM DETAILS
E005	ELECTRICAL - SPECIAL SYSTEM DETAILS
E006	ELECTRICAL - PARTIAL RISER DIAGRAMS
E007	ELECTRCIAL - PANEL SCHEDULES
E008	ELECTRICAL - PANEL SCHEDULES
E009	ELECTRICAL - PANEL SCHEDULES
ED100	ELECTRICAL - LEVEL 06 - DEMOLITION
EL100	ELECTRICAL - LEVEL 06 - NEW WORK - LIGHTING
EP100	ELECTRICAL - LEVEL 06 - NEW WORK - POWER
ES100	ELECTRICAL - LEVEL 06 - NEW WORK - SPECIAL SYSTEMS

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL - LEGENDS, SYMBOLS, AND DRAWING INDEX	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: E001
		Issue Date: 9/21/2023 · Checked: JCE · Drawn: NMG	

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TELECOMMUNICATIONS (NOTE: SYMBOLS WITHIN THIS SCHEDULE ARE REPRESENTATIVE OF THOSE TYPICALLY FOUND ON THE DRAWINGS. ALL SYMBOLS MAY NOT APPEAR ON THIS SET OF DRAWINGS.)

SYMBOL	TELECOMMUNICATIONS DESCRIPTION
	TELECOMMUNICATIONS OUTLES APPLICABLE TO ALL OUTLETS LISTED BELOW: TERMINATIONS SHALL BE PERFORMED USING PIN/PAIR ASSIGNMENTS IN ACCORDANCE WITH THE T568B PIN-OUT SEQUENCE USING 8-PIN 8 CONDUCTOR (8P8C) RJ45 TYPE CONNECTORS RATED FOR THE CATEGORY OF THE INSTALLED CABLE; COLOR SHALL MATCH THE U/UTP OUTER JACKET. TELECOMMUNICATIONS OUTLETS, 8P8C RJ45 TYPE CONNECTOR · U/UTP CABLES FOR DATA SHALL HAVE A BLUE OUTER JACKET · U/UTP CABLES FOR VOICE SHALL HAVE A WHITE OUTER JACKET
	VOICE/DATA OUTLET, WALL MOUNTED 18" AFF TO CENTER OF DEVICE. PROVIDE 1-1/4"C. FROM OUTLET TO CABLE TRAY ABOVE THE CORRIDOR LAY-IN CEILING.
	VOICE/DATA OUTLET, WALL MOUNTED 48" AFF. 2" FROM BOTTOM OF OUTLET TO BACKSPLASH. PROVIDE 1-1/4"C. FROM OUTLET TO CABLE TRAY ABOVE THE CORRIDOR LAY-IN CEILING.
	VOICE/DATA OUTLET, FLUSH FLOOR MOUNTED.
	TELEPHONE OUTLET, WALL MOUNTED 18" AFF TO CENTER OF DEVICE.ONE VOICE.
	VOIP OUTLET WALL MOUNTED 48" AFF. 2" FROM BOTTOM OF OUTLET TO BACKSPLASH, OR 6" FROM BOTTOM OF OUTLET TO COUNTERTOP.
	INTERCOM WALL MOUNTED 18" AFF TO CENTER OF DEVICE, WITH DESK MOUNTED STATION.
	INTERCOM OUTLET WALL MOUNTED 42" AFF TO CENTER OF DEVICE, WITH DESK MOUNTED STATION UNLESS NOTED OTHERWISE. MODIFIERS FOR INTERCOM: M = MASTER STATION S = SUB STATION W = WALL MOUNTED STATION
TV	CABLE TV OUTLET, MOUNTED ADJACENT TO TV RECEPTACLE, UNLESS NOTED OTHERWISE.
	PROVIDE FLUSH MOUNTED JUNCTION BOX WITH APPROPRIATE COVERPLATE. PROVIDE 1 1/4" EMPTY CONDUIT WITH NYLON PULL CORD FROM JUNCTION BOX TO ABOVE ACCESSIBLE CEILING FOR VOICE/DATA WIRING TO PRE-WIRED FURNITURE. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH EQUIPMENT SUPPLIER/INSTALLER.
GB	GROUND BAR - 1/8"x1"x12" COPPER BUS IN NEMA 1 ENCLOSURE. LOCATE ABOVE SUSPENDED CEILING.
H	PUBLIC ADDRESS SYSTEM HORN, WALL MOUNTED 7'-6" AFF. UNLESS OTHERWISE INDICATED.
M	PUBLIC ADDRESS SYSTEM MICROPHONE OUTLET, WALL MOUNTED 18" AFF. COORDINATE TYPE OF OUTLET WITH OWNER'S EQUIPMENT.
PS	PUBLIC ADDRESS SYSTEM SPEAKER, CEILING MOUNTED.
PS D	PUBLIC ADDRESS SYSTEM SPEAKER, CEILING MOUNTED.
V	PUBLIC ADDRESS SYSTEM VOLUME CONTROL SWITCH, WALL MOUNTED 42" AFF.
###	SECURITY SYSTEM SURVEILLANCE CAMERA. NUMBER INDICATES DEGREE OF COVERAGE. MODIFIERS FOR SURVEILLANCE CAMERAS: MS = MULTI SENSOR CAMERA WITH MOTION SENSOR FOR INTRUSION DETECTION. S = MULTI SENSOR CAMERA.
PB	SECURITY SYSTEM PUSHBUTTON STATION. SURFACE MOUNTED 42" AFF.
	CONDUIT SLEEVES. SEE PLANS FOR SIZE AND QUANTITY.
K	EXPEDITER BUTTON PANEL
ELC	EXAM LIGHT CONTROLLER
EXIT	EMERGENCY EGRESS PUSH BUTTON
KPCR	KEY PAD CARD READER
DA	DURESS ALARM
PP	PUSHPAD. PROVIDE BOX AND CONDUIT AS REQUIRED. COORDINATE WITH HARDWARE VENDOR.
CR	CARD READER. PROVIDE BOX AND CONDUIT AS REQUIRED. COORDINATE WITH HARDWARE VENDOR.
ES	ELECTRIC STRIKE. PROVIDE BOX AND CONDUIT AS REQUIRED. COORDINATE WITH HARDWARE VENDOR.
AL	WALL MOUNTED LOCAL ALARM BUZZER, 85dBA.
PB	PUSH BUTTON DOOR RELEASE WITH SOUNDER COVER.
ML	MAGNETIC LOCK FOR DOOR.
ERS	EMERGENCY RELEASE SWITCH. PROVIDE TAMPER RESISTANT COVER WITH A SOUNDING HORN.
BR	BUTTON RELEASE.
BA	BADGE ACCESS.
NL	NURSE LOCATOR.
EMO	EMERGENCY MANUAL OVERRIDE.
WAP	WIRELESS ACCESS POINT WITH ONE OUTLET CONNECTOR LABELED FOR DATA INSTALLED ABOVE CEILING. 2 - CATEGORY 6A CABLES TO EACH WAP.
DPS	2P 2T BALANCED POSITION SWITCH INSTALLED LV FRAME AND CONNECTED TO ACCESS CONTROL AND ALARM PANEL. SWITCH TO CONFORM WITH UL 634 2. WHERE DOOR IS NOT CONNECTED TO ACCESS CONTROL SYSTEM, A SINGLE POLE SWITCH IS SUFFICIENT.
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
KP	KEYPAD
MS	MOTION SENSOR
PA	PUBLIC ADDRESS AMPLIFIER.

SYMBOL	NURSE CALL DESCRIPTION
CB	FIRE ALARM CONNECTION TO KNOX BOX. CODE BLUE RECEIVER
BL	BOOM LIGHT CONTROLLER
D	DOCTORS' DICTATION OUTLET WALL, MOUNTED 18" AFF, OR 8" ABOVE COUNTER, OR 2" ABOVE BACKSPLASH.
DR	NURSE CALL CONNECTION TO DOOR.
ET	PROVIDE CONNECTION TO OWNER FURNISHED ELAPSED TIME CLOCK. MOUNT 84" AFF.
ETC	ELAPSED TIME CONTROL. MOUNT 48" AFF
IC	INTERCOM STATION WITH BUILT IN CAMERA.
IM	INTERCOM STATION WITH BUILT VIDEO MONITOR.
M	MONITOR OUTLET. COORDINATE EXACT LOCATION WITH OWNER/ARCHITECT.
MGA	CONNECT LIFE SAFETY CIRCUIT TO MEDICAL GAS ALARM PANEL. 120V, 20A
MOD	PROVIDE DISCONNECT SWITCH AND CONNECTION TO MOTOR OPERATED DOOR. COORDINATE WITH HARDWARE VENDOR.
NA	NARCOTICS ALARM LIGHT.
NA	NURSE CALL ANNUNCIATOR PANEL, WALL RECESSED, MOUNT AT 6'-0" AFF TO TOP.
NB	NURSE CALL CODE BLUE STATION, 42" AFF TO CENTER OF DEVICE.
NBO	NURSE CALL HILL ROM SIDECOM INTERFACE MODULE.
NC	NURSE CALL CENTRAL EQUIPMENT, MOUNT AT 6'-6" AFF TO TOP.
NC	NARCOTICS CABINET SWITCH CONNECTION.
NCL	NURSE CALL CORRIDOR DOME LIGHT, CEILING MOUNTED.
NCL	NURSE CALL CORRIDOR DOME LIGHT, WALL MOUNT ABOVE DOOR AT 4" FROM THE TOP OF THE DOOR FRAME TO THE BOTTOM OF THE DEVICE.
NCS	NURSE CALL PSYCHIATRIC SPEAKER, CEILING MOUNTED.
ND	NURSE CALL DUTY STATION, 42" AFF TO CENTER OF DEVICE.
NEB	NURSE CALL EMERGENCY STATION W/ PUSH BUTTON WITH 6' CORD, 42" AFF.
NEC	NURSE CALL EMERGENCY STATION W/ PULL CORD, 30" AFF.
NEC	NURSE CALL EMERGENCY STATION W/ PULL CORD, 70" AFF.
NEP	NURSE CALL EMERGENCY PSYCHIATRIC PUSHBUTTON, 42" AFF.
NHE	NURSE CALL HEADEND EQUIPMENT.
NKS	NURSE CALL KEYED SWITCH STATION, 42" AFF.
NLV	NURSE CALL SYSTEM LOW VOLTAGE CONTROLLER.
NMS	NURSE CALL MASTER STATION, DESK MOUNTED.
NP1	NURSE CALL SINGLE PATIENT STATION. SEE PATIENT ROOM ELEVATION FOR MOUNTING HEIGHT, IF NONE SHOWN MOUNT AT 44" AFF TO CENTER OF DEVICE.
NP2	NURSE CALL DOUBLE PATIENT STATION. SEE PATIENT ROOM ELEVATION FOR MOUNTING HEIGHT, IF NONE SHOWN MOUNT AT 44" AFF TO CENTER OF DEVICE.
NPP	NURSE CALL PSYCHIATRIC PATIENT STATION, 42" AFF TO CENTER OF DEVICE.
NS	NURSE CALL STAFF STATION, 44" AFF TO CENTER OF DEVICE.
NZL	NURSE CALL CORRIDOR ZONE LIGHT, CEILING MOUNTED.
NZL	NURSE CALL CORRIDOR ZONE LIGHT, WALL MOUNT ABOVE DOOR AT 4" FROM THE TOP OF THE DOOR FRAME TO THE BOTTOM OF THE DEVICE.
PS1	NURSE CALL PILLOW SPEAKER.
SCC	NURSE CALL SINGLE CALL CORD.
TV	LOW VOLTAGE TV.
ET	ELAPSED TIME CLOCK (6'-6" AFF) AND CONTROLS (5'-0" AFF).
	ADA 100 EMERGENCY CALL SYSTEM
M	ADA 100 EMERGENCY CALL MASTER STATION MOUNTED AT 44" AFF. SIMPLEX: #ADA100MS-SECS WITH #ADA-BB MOUNTING SYSTEM AND #ADA-BS AREA OF RESCUE SIGN.
S	ADA 100 EMERGENCY CALL AREA STATION MOUNTED AT 44" AFF. SIMPLEX: #ADA100AS-SECS WITH #ADA-BB MOUNTING SYSTEM AND #ADA-BS AREA OF RESCUE SIGN.
RC	ADA 100 EMERGENCY RELAY CARD CABINET MOUNTED 60" AFF. SIMPLEX: #ADA-RCC10.
BC	ADA 100 EMERGENCY BATTERY BACKUP SYSTEM MOUNTED

TELECOMMUNICATIONS STANDARDS

TELECOMMUNICATIONS INSTALLATION SHALL COMPLY WITH THE MOST CURRENT VERSION OF THE FOLLOWING STANDARDS:

I3A - TECHNICAL CRITERIA FOR THE INSTALLATION INFORMATION INFRASTRUCTURE ARCHITECTURE

BICSI: BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL REQUIREMENTS

ANSI/TIA-568-D.0, 2015 : GENERIC TELECOMMUNICATIONS CABLING FOR CUSTOMER PREMISES

ANSI/TIA-568-D.1, 2015: COMMERCIAL BUILDING TELECOMMUNICATIONS CABLING STANDARD

ANSI/TIA-568-C.2, 2009 : BALANCED TWISTED PAIR TELECOMMUNICATIONS CABLING AND COMPONENT STANDARD

ANSI/TIA-568-C.3, 2008 : OPTICAL FIBER CABLING COMPONENTS STANDARD

ANSI/TIA-568-C.4, 2011 - BROADBAND COAXIAL CABLING AND COMPONENTS STANDARD

ANSI/TIA-569-D, 2015 : TELECOMMUNICATIONS PATHWAYS AND SPACES

ANSI/TIA-606-B, 2012 : ADMINISTRATION STANDARD FOR COMMERCIAL TELECOMMUNICATIONS INFRASTRUCTURE

TIA-526-7 (OFSTP-7)-2002+A1:2008 : MEASUREMENT OF OPTICAL POWER LOSS OF INSTALLED SINGLE-MODE FIBER CABLE PLANT

ANSI/TIA-607-B, 2011 : COMMERCIAL BUILDING GROUNDING (EARTHING) AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS

ANSI/TIA-1152, 2009: REQUIREMENTS FOR FIELD TEST INSTRUMENTS AND MEASUREMENTS FOR BALANCED TWISTED-PAIR CABLING

TIA TSB-162-A, 2013 : TELECOMMUNICATIONS CABLING GUIDELINES FOR WIRELESS ACCESS POINTS

ANSI/NECA/BICSI 568 : STANDARD FOR INSTALLING COMMERCIAL BUILDING TELECOMMUNICATIONS CABLING

NFPA 70 : NATIONAL ELECTRICAL CODE (NEC)

NFPA 75 : STANDARD FOR THE PROTECTION OF INFORMATION TECHNOLOGY EQUIPMENT

NFPA 76 : STANDARD FOR THE FIRE PROTECTION OF TELECOMMUNICATIONS FACILITIES

MIL-HDBK-232A : RED/BLACK ENGINEERING-INSTALLATION GUIDELINES

MIL-HDBK-1012/3 : TELECOMMUNICATIONS PREMISES DISTRIBUTION PLANNING, DESIGN AND ESTIMATING

USASOC INFORMATION TECHNOLOGY (IT) TECHNICAL DESIGN GUIDE

TM 5-853-4 CORPS OF ENGINEERS ELECTRONIC SECURITY SYSTEMS TECHNICAL MANUAL

IC-TECH SPEC ICD/ICS 705, ICS-705-1, ICS-705-2

CoSC ISP INSTALLATION STANDARDS VERSION 1.0, 16 MAY 2011

UFC 4-020-04A : ELECTRONIC SECURITY SYSTEMS : SECURITY ENGINEERING

AR 380-5 - DEPARTMENT OF THE ARMY INFORMATION SECURITY PROGRAM

AR 380-27 - (FOUO) CONTROL OF COMPROMISING EMANATIONS

AR 380-40 - SAFEGUARDING AND CONTROLLING COMMUNICATIONS SECURITY MATERIAL

VA PHYSICAL SECURITY DESIGN MANUAL - LIFE SAFETY PROTECTED FACILITIES MIL-HDBK-419A : GROUNDING, BONDING AND SHIELDING FOR ELECTRONIC EQUIPMENT AND FACILITIES

MIL-STD-188-124B – (U) GROUNDING, BONDING, AND SHIELDING FOR COMMON LONG-HAUL/TACTICAL COMMUNICATIONS SYSTEMS, INCLUDING GROUND BASED COMMUNICATION ELECTRONICS FACILITIES FOR EQUIPMENT

VA INFRASTRUCTURE STANDARD FOR TELECOMMUNICATIONS SPACES VERSION 3.1, DATED 7/1/2021

TELECOMMUNICATION GENERAL NOTES

1. THIS IS A STANDARD LEGEND SHEET. NOT ALL SYMBOLS OR ABBREVIATIONS MAY APPEAR ON DRAWINGS.
2. REFER TO DIVISIONS 26, 27 AND 28 SPECIFICATIONS FOR TELECOMMUNICATION SYSTEM ITEMS.
3. MOUNTING DEVICES AND EQUIPMENT PER SPECIFICATIONS UNLESS OTHERWISE NOTED.
4. MOUNTING HEIGHTS, UNLESS OTHERWISE NOTED, ARE TO CENTER LINE OF DEVICE.
5. THE CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF RACEWAYS.
6. THE CONTRACTOR SHALL COORDINATE ALL RACEWAY PENETRATIONS AND PROVIDE FIREPROOFING AS APPLICABLE.
7. THE MAXIMUM PERMANENT HORIZONTAL LINK DISTANCE SHALL BE 295' AND THE MAXIMUM HORIZONTAL CHANNEL (LINK PLUS WORKSTATION CABLES AND PATCH CORDS) SHALL BE 328'.
8. ALL HORIZONTAL VOICE AND DATA CABLING SHALL BE CAT 6A INSTALLED IN A MINIMUM 1" CONDUIT UNLESS NOTED OTHERWISE FROM TELECOMM OUTLET LOCATIONS TO THE CABLE TRAY.
9. ALL HORIZONTAL AND BACKBONE CABLING SHALL BE PLENUM RATED WITH THE EXCEPTION OF CABLING INSTALLED IN UNDERGROUND CONDUITS. SEE NOTE 23 FOR CABLES INSTALLED IN UNDERGROUND CONDUITS.
10. CAT 6A CABLING SHALL BE TERMINATED ON 8-PIN, 8-CONDUCTOR (RJ-45) CONNECTORS USING PIN/PAIR ASSIGNMENTS IN ACCORDANCE WITH T568B PIN-OUT SEQUENCE.
11. CAT 6A JACKS SHALL BE THE SAME COLOR AS CORRESPONDING HORIZONTAL VOICE AND DATA CABLING. CAT 6A JACKS SHALL BE THE SAME MANUFACTURER AS THE PATCH PANELS.
12. PROVIDE CAT 6A, 8-PIN, 8-CONDUCTOR MODULAR TO 8-PIN, 8-CONDUCTOR MODULAR, PATCH CABLES IN QUANTITIES AND LENGTHS SUCH THAT ALL WORKSTATION CABLES ARE CONNECTED.
13. PROVIDE CAT 6A, 8-PIN, 8-CONDUCTOR MODULAR TO 1-PAIR 110 CLIP, PATCH CABLES IN QUANTITIES AND LENGTHS FOR CONNECTION FROM VOICE PATCH PANELS TO RACK MOUNTED 110 BLOCKS.
14. OPTICAL FIBER CABLES SHALL BE TERMINATED WITH DUPLEX SC-TYPE CONNECTORS.
15. THE USE OF J-HOOKS SHALL BE LIMITED. WHEN USED, J-HOOKS SHALL BE CAT 6A RATED AND SPACES AT INTERVALS NOT TO EXCEED 5'. J-HOOKS SHALL NOT EXCEED 24 CABLES OR 50% FILL, WHICHEVER IS LESS. WHEN J-HOOKS ARE USED TO SPAN FROM CONDUIT STUB UPS TO CABLE TRAY A BONDING BUSHING SHALL BE INSTALLED ON THE CONDUIT STUB UPS AND A MINIMUM # 6 AWG. GROUND CONDUCTOR SHALL BE INSTALLED FROM THE BONDING BUSHING TO THE CABLE TRAY, EFFECTIVELY BONDING THE METALLIC RACEWAYS TOGETHER.
16. ALL TELECOMMUNICATIONS RACKS AND SUPPORTING STRUCTURES (CABLE TRAYS, LADDER RACKS, CONDUITS, AND BASKETS) WITHIN A TR MUST BE BONDED TO THE TR SIGNAL GROUND RING OR BUS BAR (TGB OR TMGB) AS DEFINED IN ANSI/TIA-569-C AND IN ANSI/TIA-607-B.
17. CABLE TRAY SHALL BE WALL MOUNTED (PREFERABLE) OR TRAPEZE MOUNTED. CENTER HUNG CABLE TRAY IS NOT ALLOWED. CABLE TRAY SHALL NOT BE USED TO SUPPORT OTHER ITEMS, CONDUIT, CABLE TRAY, PIPING OF UTILITIES. CABLE TRAY SUPPORTS SHALL BE PER NEMA STANDARDS PUBLICATION VE 2 - METAL CABLE TRAY INSTALLATION GUIDELINES.
18. PROVIDE ACCESS PANELS IN NON LAY-IN CEILINGS SUCH THAT NO POINT IN THE CABLE TRAY SYSTEM IS MORE THAN 20' FROM AN ACCESS POINT.
19. PROVIDE A MINIMUM OF 12" OF CLEARANCE ABOVE THE TOP OF CABLE TRAYS AND A MINIMUM OF 3" CLEARANCE BELOW CABLE TRAYS.
20. PROVIDE RECTANGULAR, MODULAR, FIRE RATED WALL PENETRATION ASSEMBLIES USING EITHER INTEGRAL, SLIDING COVERS OR REMOVABLE PLUGS.
21. COMPLY WITH ANSI/TIA-569-C TELECOMMUNICATION PATHWAYS AND SPACES.
22. USE ONLY COPPER CONDUCTORS FOR GROUND CONNECTIONS. THE USE OF ALUMINUM CONDUCTORS IS NOT ALLOWED.
23. PROVIDE CABLE INSTALLED IN UNDERGROUND CONDUITS LISTED FOR USE IN WET LOCATIONS. PLENUM RATED CABLE SHALL NOT BE INSTALLED IN ANY UNDERGROUND CONDUIT.
24. PROVIDE OSP CABLES RATED FOR OUTDOOR USE, FILLED WITH A WATER BLOCKING COMPOUND.
25. LABEL ALL CABLE TERMINATIONS AND BOTH ENDS OF ALL CABLES IN ACCORDANCE WITH UFC 3-580-01 AND ANSI/TIA-606-B.
26. PROVIDE AS-BUILT DOCUMENTATION INCLUDING COMPLETE TEST RESULT REPORTS, FLOOR PLANS SHOWING USER WORKSTATIONS WITH CABLING LABELING, AND BACKBONE CABLE SCHEMATIC AND LABELING IN AN ELECTRONIC FORMAT (PDF) OR OTHER APPROVED FORMAT AND A PRINTED HARDCOPY. TEST RESULTS SHALL BE SUPPLIED ELECTRONICALLY TO THE PROJECT RCDD AND CORPS PROJECT ENGINEER/ARCHITECT IN THE TEST PROGRAM NATIVE FORMAT.
27. ANY MOTOR, TRANSFORMER, OR OTHER ELECTRICAL DEVICE GREATER THAN 5 KVA SHALL HAVE A MINIMUM OF A 4' BUFFER FROM ANY WALL OF THE EF, TER, OR TR(S).
28. THE CONTRACTOR SHALL INITIATE THE APPLICATION FOR TELEPHONE SERVICE AND ASSIST THE GOVERNMENT IN COMPLETING THE APPLICATION FOR SERVICE; ACCEPTING INSTALLATION OF SERVICE; START-UP OF SERVICE; AND ACTIVATION OF SPECIFIC TELEPHONE NUMBERS AND DEDICATED (POTS) LINES FOR FIRE ALARM, ENTRY CONTROL AND ELEVATOR PANELS.

TELECOMMUNICATIONS CABLING NOTES

TELECOMMUNICATIONS BACKBONE CABLING		
SYSTEM DESIGNATION	CABLE TYPE	CABLE COLOR
VOICE DATA SURVEILLANCE	OPTICAL FIBER SINGLE-MODE	YELLOW/BLACK WHITE

TELECOMMUNICATIONS HORIZONTAL CABLING		
SYSTEM DESIGNATION	CABLE TYPE	CABLE COLOR
VOICE DATA SURVEILLANCE	CAT 6A	WHITE BLUE GREEN

COORDINATE ALL CABLE COLORS WITH COR BEFORE PURCHASE.

TELECOMMUNICATIONS ABBREVIATIONS

110	110 PUNCHDOWN BLOCKS, RACK OR WALL MOUNTED AS INDICATED
8P8C	8-PIN, 8-CONDUCTOR
ACS	ACCESS CONTROL SYSTEM
AFF	ABOVE FINISHED FLOOR
AWG	AMERICAN WIRE GAUGE
BCT	BONDING CONDUCTOR FOR TELECOMMUNICATIONS
C	CONDUIT(S)
CAA	CONTROLLED ACCESS AREA
CAT 6A	CABLING ETL VERIFIED TO ANSI/TIA-568-C.2 CATEGORY 6
CATV	CABLE TELEVISION
CCTV	CLOSED-CIRCUIT TELEVISION
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CP	CONSOLIDATION POINT
DACT	DIGITAL ALARM COMMUNICATOR TRANSMITTER
DB	DIRECT BURIED
DIA	DIAMETER
DWG	DRAWING
EF	ENTRANCE FACILITY
ER	EXISTING RELOCATED
ETR	EXISTING TO REMAIN
EXIST	EXISTING
FACP	FIRE ALARM CONTROL PANEL
FB	FLOOR BOX
FT	FEET
GFGI	GOVERNMENT FURNISHED GOVERNMENT INSTALLED
GND	GROUND
GRS	GALVANIZED RIGID STEEL
IAW	IN ACCORDANCE WITH
IDS	INTRUSION DETECTION SYSTEM
IN	INCHES
LCA	LIMITED CONTROL ACCESS
MC	MECHANICAL CONTRACTOR
MIN	MINIMUM
MTD	MOUNTED
NEC	NETWORK ENTERPRISE CENTER
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NESC	NATIONAL ELECTRICAL SAFETY CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OEM	ORIGINAL EQUIPMENT MANUFACTURER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PA	PUBLIC ADDRESS
PE	POLYETHYLENE
PET	PROTECTED ENTRANCE TERMINALS
POTS	PLAIN OLD TELEPHONE SERVICE (SWITCHED TELEPHONE LINE)
PSI	POUNDS PER SQUARE INCH
PTZ	PAN / TILT / ZOOM
QTY	QUANTITY
RR	REMOVE AND RELOCATE
RS	RIGID STEEL
SCH	SCHEDULE
STP	SHIELDED TWISTED PAIR
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TE	TELECOMMUNICATIONS ENCLOSURE
TER	TELECOMMUNICATIONS EQUIPMENT ROOM
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TR	TELECOMMUNICATIONS ROOM
TYP	TYPICAL
U/G	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
U/UTP	UNSCREENED/UNSHIELDED TWISTED PAIR CABLE
VoIP	VOICE OVER INTERNET PROTOCOL
WP	WEATHERPROOF
XP	EXPLOSION PROOF

Revisions:	Date:

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GEORGIA No. 050482 PROFESSIONAL ENGINEER JOHN C. EDWARDS, JR. 9/21/23

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
ELECTRICAL - SPECIAL SYSTEMS SYMBOLS, AND NOTES	100% CONSTRUCTION DOCUMENTS	RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: E002
		Issue Date: 9/21/2023 · Checked: JCE · Drawn: NMG	

VA FORM 08 - 6231

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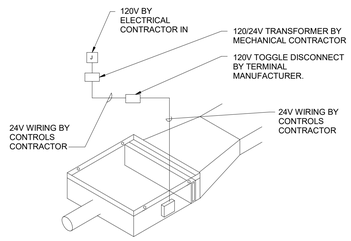
LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	LUMEN OUTPUT	COLOR TEMP	CRI	LAMP	WATTAGE
A22	24" x 24" CURVED LENS. DIMMABLE 0-10V DIMMING. SMOOTH REFLECTOR CURVED SMOOTH DIFFUSER	3300	3500 K	80	LED	27 W
A24	24" x 48" CURVED LENS. DIMMABLE 0-10V DIMMING. SMOOTH REFLECTOR CURVED SMOOTH DIFFUSER	3000	3500 K	80	LED	23 W
COV	0.3" WIDE TAPE LIGHT WITH SURFACE MOUNTED LOW PROFILE CHANNEL. DIFFUSE WHITE LENSE. PROVIDE WITH 24V POWER SUPPLY AND DIMMING DRIVER.	2500	3500 K	80	LED	27 W
D2	2" DOWNLIGHT CORRIDOR, LOW PROFILE, 4" HIGH MAX.	500	3500 K		LED	58 W
D4	4" DOWNLIGHT CORRIDOR, LOW PROFILE, 4" HIGH MAX.	1500	3500 K	80	LED	15 W
D6W	6" DOWNLIGHT SHOWER, LOW PROFILE, 4" HIGH MAX.	1000	3500 K		LED	
D61	6" DOWNLIGHT PATIENT ROOM, LOW PROFILE, 4" HIGH MAX. 0-10V DIMMING WITH 1-100% RANGE	1000	3500 K	80	LED	10 W
D63	6" ROUND WIDE BATWING DISTRUBTION DOWNLIGHT. CLEAN ROOM. SMOOTH CLEAR LENS. REGRESSED LENSED WHITE PAINTED TRIM. 66IP RATED WET LOCATION RATED. ANTI-MICROBIAL PAINT FINISH	3000	3500 K	80	LED	15 W
D64	6" ROUND WIDE BATWING DISTRIBUTION DOWNLIGHT. LOW PROFILE, 4" HIGH MAX. 0-10V DIMMING WITH 1-100% RANGE	4000	3500 K	80	LED	40 W
D66	6" ROUND WIDE BATWING DISTRIBUTION DOWNLIGHT. LOW PROFILE, 4" HIGH MAX. 0-10V DIMMING WITH 1-100% RANGE	6000	3500 K	80	LED	58 W
E6	EXIT SIGN, CEILING MOUNTED, EDGELIT, MIRROR BACKGROUND, RED LETTERS, NUMBER OF FACES AND DIRECTION CHEVRONS AS SHOWN ON DRAWINGS.				LED	5W
L48	48" PATIENT BED LUMINAIRE, ASYMMETRIC UPLIGHT/DOWNLIGHT, WITH READING AND AMBIENT FUNCTIONS, 0-10V DIMMING WITH 1-100% RANGE	5928 UP / 5775 DOWN	3500 K	90		9 W
L54	54" LINEAR CEILING MOUNTED SLOT. 4" HIGH MAX.	3600	3500 K		LED	32 W
NL	RECESSED SLOTTED STEP LIGHT. WET LOCATION LISTED. PHOTOCELL, AMBER LED, WHITE FINISH				LED	1 W
P1	6" CYLINDER 4 FOOT STEM PENDANT. DIMMABLE TO 1%. BATWING WIDE DISTRIBUTION. MATTE DIFFUSE	6000	3500 K	80	LED	58 W
SL2	2' LED STRIP FIXTURE, SURFACE CEILING MOUNTED, STEEL HOUSING, ACRYLIC LENS, WHITE FINISH.	2500	3500 K	80	LED	18 W
SL4	4' LED STRIP FIXTURE, SURFACE CEILING MOUNTED, STEEL HOUSING, ACRYLIC LENS, WHITE FINISH.	3000	3500 K	80	LED	19 W
V	2' LINEAR VANITY LED FIXTURE, ACRILIC LENS, ALUMINUM HOUSING, WHITE FINISH, SURFACE MOUNTED	1400	3500 K	90	LED	16 W

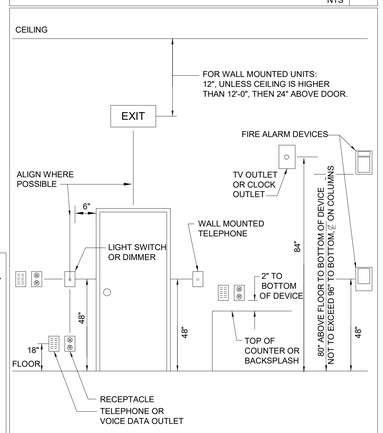
LUMINAIRE SCHEDULE NOTES:

1. COORDINATE WITH ARCHITECTURAL DRAWINGS (REFLECTED CEILING PLANS AND ELEVATIONS) FOR EXACT LOCATIONS OF LUMINARIES, CEILING TYPES AND MOUNTING HEIGHTS.
2. ALL LUMINAIRE SUBMITTALS SHALL INCLUDE LED AND DRIVER CUT/DATA SHEETS.
3. ALL LED LUMINAIRE SHALL BE EQUIPPED WITH 0-10V DIMMABLE DRIVERS THAT DIM TO 1%.



NOTES:
1. MAINTAIN CLEARANCE ON CONTROL SIDE OF BOX AND INSTALL SO THAT ACCESS DOORS ARE NOT BLOCKED.

VARIABLE OR CONSTANT VOLUME TERMINAL UNIT NTS 12



GENERAL DETAIL NOTES:

A. PARTICULAR ATTENTION SHALL BE GIVEN TO THE ALIGNMENT OF DEVICES. WHEREVER DEVICES, ON THIS SHEET OR OTHER SHEETS, ARE SHOWN AT GIVEN LOCATION WITH DIFFERENT MOUNTING HEIGHTS THEY SHALL BE ALIGNED VERTICALLY. IF THEY ARE SHOWN AT THE SAME MOUNTING HEIGHT THEY SHALL BE ALIGNED HORIZONTALLY. REFER TO THE ARCHITECTURAL PLANS, ELEVATIONS AND DETAILS. COORDINATE WITH ARCHITECT PRIOR TO ROUGH-IN.

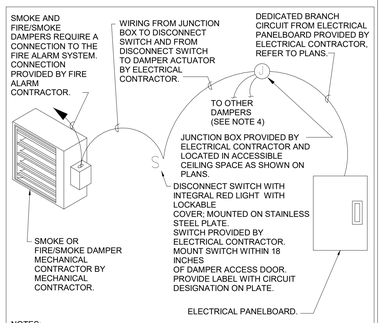
B. ALL DIMENSIONS ARE TO THE CENTER LINE OF DEVICE UNLESS INDICATED OTHERWISE.

C. MOUNTING HEIGHTS SHOWN HERE ARE TYPICAL. PRIOR TO ROUGH-IN, COORDINATE WITH ARCHITECTURAL PLANS, ELEVATIONS, AND DETAILS. IF A CONFLICT OCCURS, REQUEST CLARIFICATION FROM ARCHITECT/ENGINEER PRIOR TO ROUGH-IN.

DEVICE LEGEND:

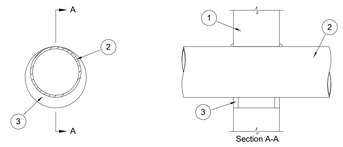
LIGHT SWITCH — THERMOSTAT
RECEPTACLE — NURSE CALL DEVICES
VOICE/DATA OUTLET

MOUNTING HEIGHTS OF DEVICES NTS 11



NOTES:
1. SMOKE AND/FIRE/SMOKE DAMPERS SHALL BE U.L. LABELED AND INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. MECHANICAL CONTRACTOR TO PROVIDE ACCESS DOOR IN DUCTWORK FOR ACCESS TO THE DAMPER. MINIMUM SIZE SHALL BE 12"x12".
3. ALL WIRING SHALL BE INSTALLED IN RACEWAY.
4. MULTIPLE DAMPERS CAN BE SERVED FROM A SINGLE JUNCTION BOX, UP TO A MAXIMUM OF SIXTEEN (16) ACTUATORS.

SMOKE, & FIRE/SMOKE DAMPER WIRING DETAIL NTS 13



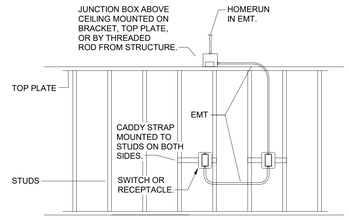
1. RATED WALL OR FLOOR ASSEMBLY - PROVIDE FIRE STOPPING ASSEMBLY FOR PARTITION TYPE & RATING ENCOUNTERED.
2. THROUGH PENETRATION - PROVIDE FIRE STOPPING ASSEMBLY FOR SIZE & MATERIAL OF THROUGH PENETRATION UTILIZED.
3. FIRE STOPPING MATERIAL - PROVIDE FIRE STOPPING MATERIAL FOR WALL ASSEMBLY & THROUGH PENETRATION MATERIAL ENCOUNTERED. FILL VOIDS OR CAVITY ACCORDING TO THE REQUIREMENTS OF THE FIRE STOPPING SYSTEM UTILIZED.

ALL RATED WALLS, PARTITIONS OR FLOORS SHALL BE PROVIDED WITH A UL LISTED FIRE STOP SYSTEM. THE SYSTEM UTILIZED SHALL MATCH THE SEPARATION PENETRATED AND THE THROUGH PENETRATION MATERIAL.

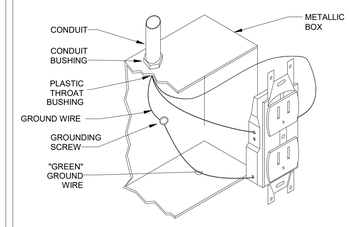
DETAILS FOR THE INSTALLATION OF SYSTEM TYPE UTILIZED SHALL BE AVAILABLE AT THE PROJECT SITE FOR THE DURATION OF CONSTRUCTION AND SHALL BE PROVIDED TO THE AUTHORITY HAVING JURISDICTION AND TO THE BUILDING OWNER AT THE PROJECT COMPLETION.

PROVIDE WALL OR FLOOR LABELS INDICATING THE SYSTEM MANUFACTURER AND UL LISTED ASSEMBLY NUMBER AT EACH LOCATION WHERE THE FIRE STOPPING SYSTEM IS INSTALLED.

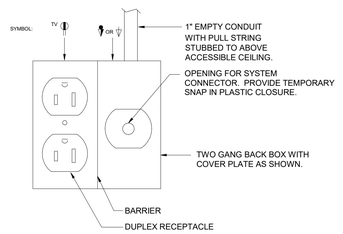
THROUGH PENETRATION FIRESTOP SYS. (PROVIDE UL LISTED SYSTEM) NTS 9



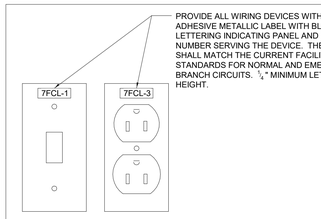
DEVICE MOUNTING DETAIL NTS 10



RECEPTACLE GROUNDING BOX DETAIL NTS 8



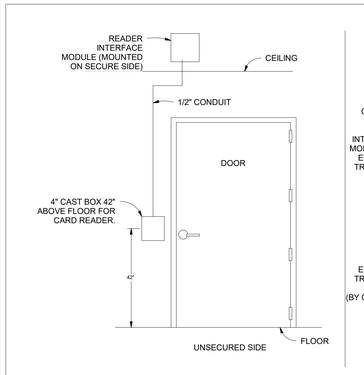
COMBINATION TV RECEPTACLE OUTLET NTS 9

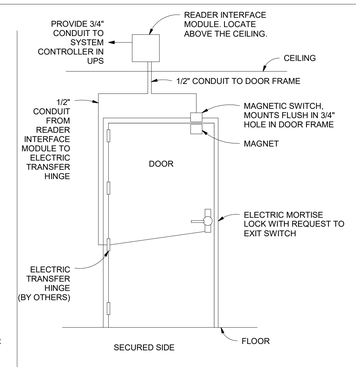


GENERAL DETAIL NOTES:

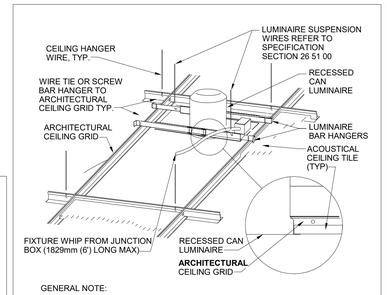
A. COORDINATE LABELING WITH OWNER PRIOR TO INSTALLATION.

DEVICE LABELING DETAIL NTS 7





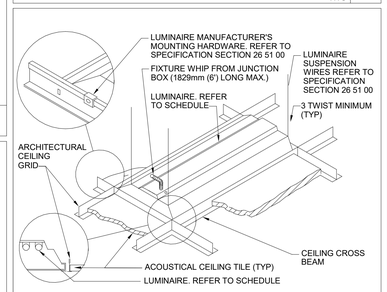
ACCESS CONTROL SYSTEM DOOR DETAIL NTS 6



GENERAL NOTE:

1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING RECOMMENDED MOUNTING HARDWARE

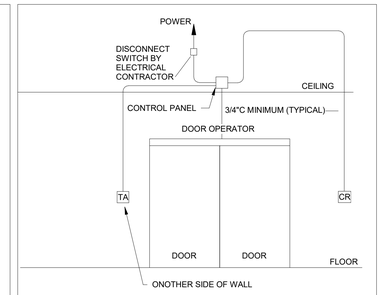
DOWNLIGHT MOUNTING - LAY-IN CEILING NTS 5



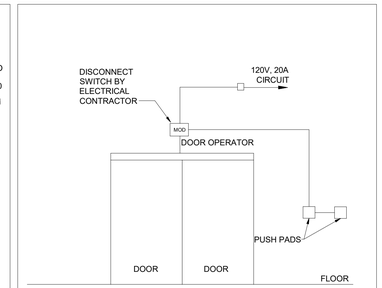
GENERAL NOTE:

1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING THE RECOMMENDED MOUNTING HARDWARE.

LUMINAIRE MOUNTING - LAY-IN CEILING NTS 4



DOOR OPERATOR WIRING DIAGRAM NTS 3



TYPICAL FOR SINGLE OR DOUBLE DOORS

DOOR OPERATOR WIRING - ELEVATION NTS 2

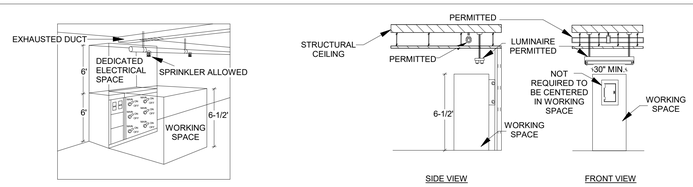
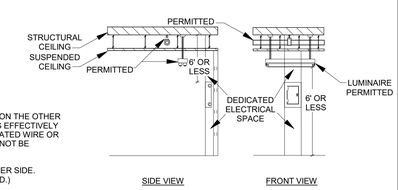


TABLE A - WORKING SPACES				
VOLTAGE TO		MINIMUM CLEAR DISTANCE FEET		
GROUND NOMINAL	CONDITIONS:	1	2	3
0-150		3	3	3
151-600		3	3 1/2	4



WHERE THE "CONDITIONS" ARE AS FOLLOWS

1. EXPOSED LIVE PARTS ON ONE SIDE AND NO LIVE OR GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES EFFECTIVELY GUARDED BY SUITABLE WOOD OR OTHER INSULATED MATERIALS. INSULATED WIRE OR INSULATED BUSBARS OPERATING ATNOT OVER 300V TO GROUND SHALLNOT BE CONSIDERED LIVE PARTS.
2. EXPOSED LIVE PARTS ON ONE SIDE AND GROUNDED PARTS ON THE OTHER SIDE. (CONCRETE BRICK OR TILE WALLS SHALL BE CONSIDERED AS GROUNDED.)
3. EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORK SPACE (NOT GUARDED AS PROVIDED IN CONDITION 1) WITH THE OPERATION BETWEEN.

WORKING CLEARANCE FOR ELECTRICAL EQUIPMENT NTS 1

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STATE OF GEORGIA — No. 050482 — PROFESSIONAL — 9/21/23 — ENGINEER — JOHN C. EDWARDS, JR.

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title ELECTRICAL - DETAILS & LUMINAIRE SCHEDULE	**Phase** 100% CONSTRUCTION DOCUMENTS	**Project Title** RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	**Project Number** 508-22-105
			Building Number C
Approved:	FULLY SPRINKLERED	**Location** 1670 CLAIRMONT RD, DECATUR, GA	**Drawing Number** E003
		Issue Date 9/21/2023 · **Checked** JCE · **Drawn** NMG	

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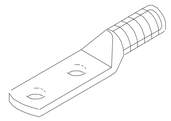
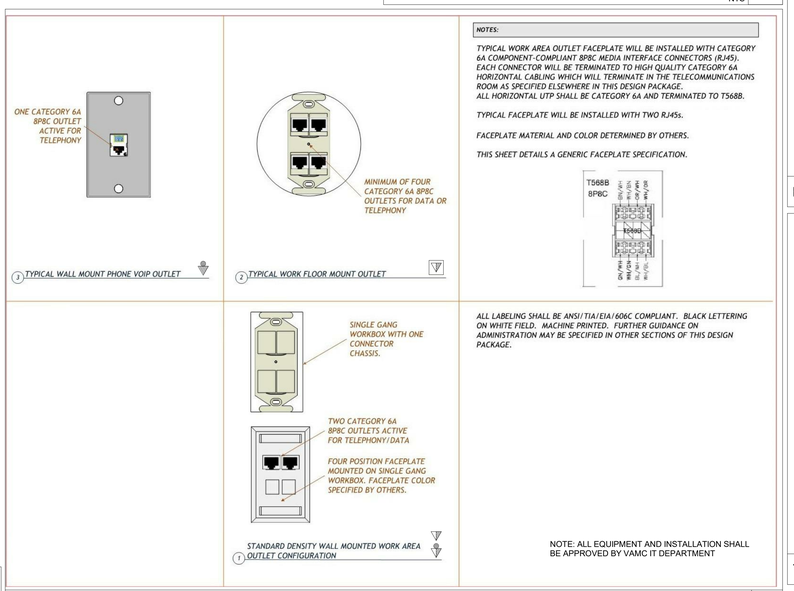
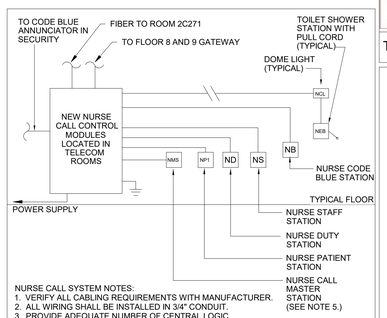


IT GROUNDING BAR CABLE LUG DETAIL — NTS — 10



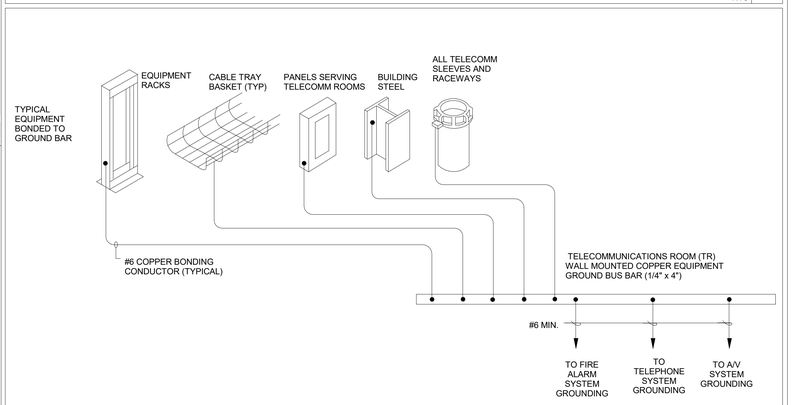
TELECOMMUNICATIONS FACEPLATE DETAIL — NTS — 9



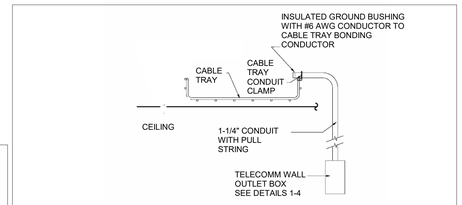
NURSE CALL SYSTEM NOTES:
1. VERIFY ALL CABLING REQUIREMENTS WITH MANUFACTURER.
2. ALL WIRING SHALL BE INSTALLED IN 3/4" CONDUIT.
3. PROVIDE ADEQUATE NUMBER OF CENTRAL LOGIC ADDRESSABLE MODULES AS REQUIRED BY MANUFACTURER IN ORDER TO PROVIDE A COMPLETE SYSTEM.
4. SEE PLAN FOR EXACT QUANTITIES OF DEVICES. RISER DIAGRAM INDICATES CONNECTION INTENT ONLY.
5. WIRE AND PROGRAM NURSE CALL SO THAT EITHER MASTER STATION IS CAPABLE OF RECEIVING CALLS FROM ANY OF THE NURSE STATIONS.
6. NURSE PATIENT STATION SHALL BE INCORPORATED WITH PILLOW SPEAKER. PILLOW SPEAKER SHALL INCLUDE 3.5MM AUDIO HEADPHONE JACK.
7. EXISTING NURSE CALL SYSTEM IS JERON 790.
8. NURSE CALL DUTY STATION IN MEDS ROOM TO BE LOCATED AT DOOR. COORDINATE WITH OWNER PRIOR TO ROUGH-IN.

CODE BLUE SYSTEM: NOTES
1. CODE BLUE ALARM TO RING AT NURSE'S STATION IN THE AFFECTED AREA AND ALSO SHALL ALERT THE TELEPHONE OPERATOR

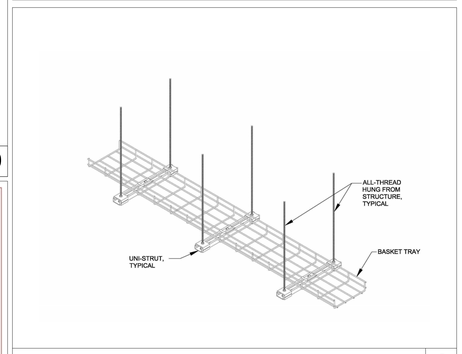
AV NURSE CALL/CODE BLUE RISER — NTS — 12



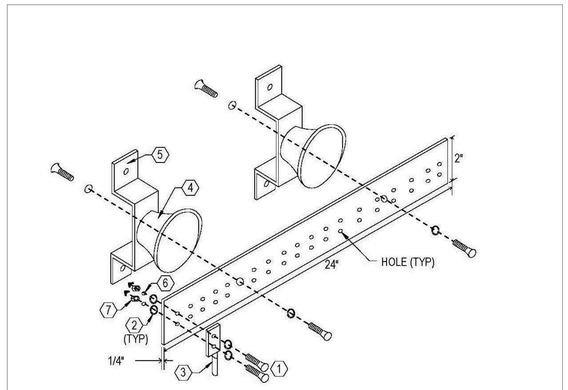
TELECOMMUNICATIONS GROUNDING RISER — NTS — 8



CABLE TRAY TO OUTLET CONDUIT TRANSITION — NTS — 7



BASKET TRAY WITH TRAPEZE HANGER DETAIL — NTS — 6

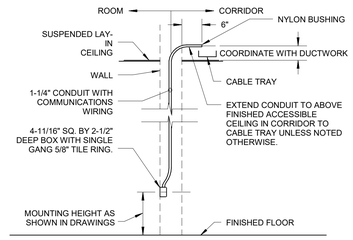


TELECOMMUNICATIONS GROUNDING BUSBAR (TGB) IN THE TELECOMMUNICATIONS SPACES, IN ACCORDANCE WITH ANSI/TIA-607-B, IS THE GROUNDING (EARTHING) CONNECTION POINT FOR TELECOMMUNICATIONS INFRASTRUCTURE SYSTEMS (E.G., CABLING, PATHWAYS) AND TELECOMMUNICATIONS EQUIPMENT IN THE AREA SERVED BY A TER OR A TR.

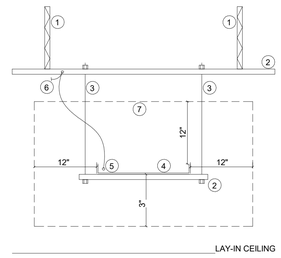
THE WALL MOUNTED TGB MUST BE A PREDRILLED WITH STANDARD 5/16" HOLES IN A 2 HOLE CONFIGURATION, OF COPPER OR A COPPER ALLOY WITH A MINIMUM OF 95% CONDUCTIVITY, BE ELECTROTIN/PLATED (ETP) TO REDUCE CONTACT RESISTANCE AND CORROSION, WITH MINIMUM DIMENSIONS OF 0.25 INCH THICKNESS BY 2 INCH WIDTH AND BE A MINIMUM OF 24 INCHES IN LENGTH.

THE TGB SHALL BE BONDED TO THE MAIN ELECTRICAL SERVICE GROUNDING ELECTRODE SYSTEM WITH A BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT) CONDUCTOR USING IRREVERSIBLE, HIGH COMPRESSION OR PERMANENT EXOTHERMIC CONNECTIONS AND BE BONDED TO THE NEAREST STRUCTURAL STEEL MEMBER, WHETHER IT IS A HORIZONTAL OR VERTICAL BEAM, IF AVAILABLE.

TELECOMMUNICATIONS GROUNDING BUSBAR, TGB — NTS — 3

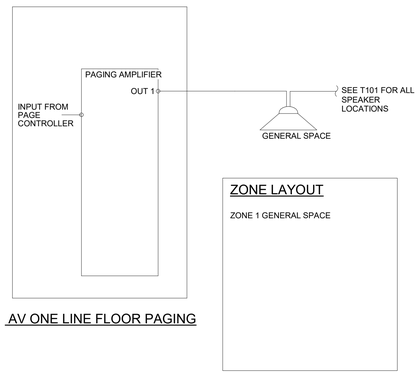


TELE/DATA OUTLET INSTALLATION DETAIL — NTS — 5



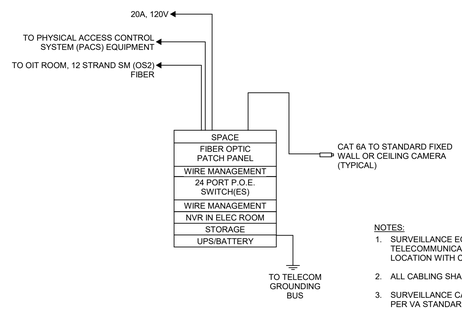
NOTES:
1. BUILDING STRUCTURE.
2. UNISTRUT.
3. 3/8" THREADED ROD WITH BUSHING AND NUTS.
4. CABLE TRAY.
5. GROUND LUG.
6. GROUND CABLE TO TGB.
7. PROVIDE MINIMUM CLEARANCE PER TIA/EIA 569-B.

CABLE TRAY CORRIDOR- ELEVATION — NTS — 2



AV ONE LINE FLOOR PAGING

PAGING SYSTEM ONE-LINE DIAGRAMS — NTS — 4



NOTES:
1. SURVEILLANCE EQUIPMENT SHALL BE MOUNTED IN TELECOMMUNICATIONS RACK. COORDINATE LOCATION WITH COR AND OIT.
2. ALL CABLING SHALL BE IN A MINIMUM 3/4" CONDUIT.
3. SURVEILLANCE CABLE COLOR SHALL BE COLORED PER VA STANDARD.
4. ALL EQUIPMENT TO BE NDAA CERTIFIED.
5. BIDDER RESPONSIBLE FOR PROVIDING MAX BANDWITH CALCULATION TO VERIFY FIBER REQUIREMENTS. COORDINATE WITH OIT.
6. SYSTEM TO BE PROVIDED WITH MINIMUM PIXEL PER SQFT PER VA STANDARD.
7. BIDDER TO VERIFY PROPER PORT POWER ALLOCATION VERSUS END DEVICE REQUIREMENTS.

SURVEILLANCE SYSTEM RISER DIAGRAM — NTS — 1

Revisions:	Date:

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SEAL No. 050482 PROFESSIONAL ENGINEER JOHN C. EDWARDS, IV 9/21/23

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL - SPECIAL SYSTEM DETAILS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	Project Number: 508-22-105
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Building Number: C
		Issue Date: 9/21/2023 · Checked: JCE · Drawn: NMG	Drawing Number: E004

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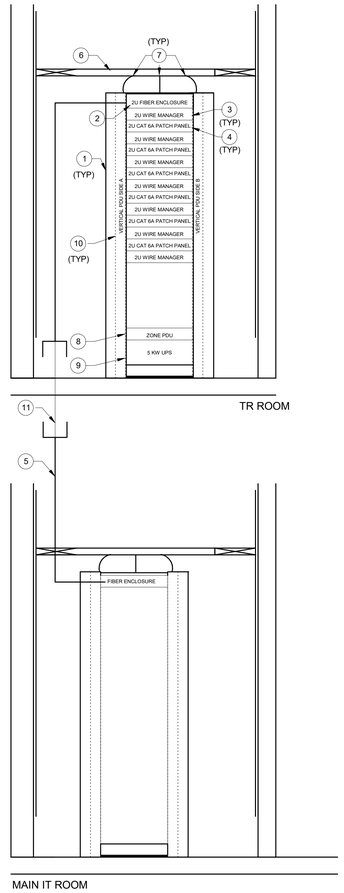

KEYED NOTES

1. TELECOMMUNICATIONS 45RU CHANNEL RACK. 7'H, 30"D CHANNEL MINIMUM, EXISTING RAILS, #12-24 TAPPED EIA HOLE PATTERN. PROVIDED WITH 6"W VERTICAL WIRE MANAGERS.
2. 2RU FIBER ENCLOSURE. USE 12 STRAND FIBER ADAPTER PANELS FOR EXISTING FIBER FROM MCR. PROVIDE WITH RACK-MOUNTED, 2RU CLOSET CONNECTOR HOUSING (CCH) FOR DUPLEX SC ADAPTERS.
3. 2RU HORIZONTAL DOUBLE-SIDED WIRE MANAGER.
4. OIT CAT6A PATCH PANEL FOR HORIZONTAL DATA CABLING WITH T568B WIRING FOR 110 STYLE IDC TERMINATIONS.
5. EXISTING FIBER.
6. CABLE TRAY MOUNTED AS SHOWN IN PLANS AND DETAILS.
7. CABLE TRAY ELEVATION BRACKETS WITH A 6" STAND-OFF FROM THE TOP OF THE EQUIPMENT RACK
8. ZONE POWER DISTRIBUTION UNIT, ZPDU. 30 AMP 3-PHASE – REAR CIRCUITS WITH FOUR L21-20R AND SIX NEMA 5-20 OUTLETS AND TWO 10' POWER CORDS TERMINATING IN L21-30P
9. RACK MOUNTED 5KW, 208V UNINTERRUPTIBLE POWER SUPPLY (UPS) WITH NEMA 20A L21-20P INPUT AND L21-20R OUTPUT.
10. RACK POWER DISTRIBUTION UNIT (RPDU), VERTICAL; MONITORED; L21-20 PLUG; THREE PHASE; 120/208V INPUT; 20A: (30) C13 (6) C19 OUTLETS; 208V OUTPUT; 3 X 2P 20A HYDRAULIC MAGNETIC BREAKERS; LCD; ETHERNET, USB, AND ENVIRONMENTAL SENSOR PORTS; IP AND SERIAL MONITORING; IP CONSOLIDATION (PDU LINKING); TOOL-LESS MOUNTING.
11. EXISTING RACEWAY.

TELECOMMUNICATIONS RACK ELEVATION

NTS

1

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
ELECTRICAL - SPECIAL SYSTEM DETAILS	100% CONSTRUCTION DOCUMENTS	RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: E005
		Issue Date: 9/21/2023 · Checked: JCE · Drawn: NMG	

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GENERAL NOTES

A. ALL PANELBOARDS AND DISCONNECTS FEEDING ELECTRICAL DEVICES AND EQUIPMENT ON LEVEL 06 ARE TO BE DEMOLISHED AND REPLACED.

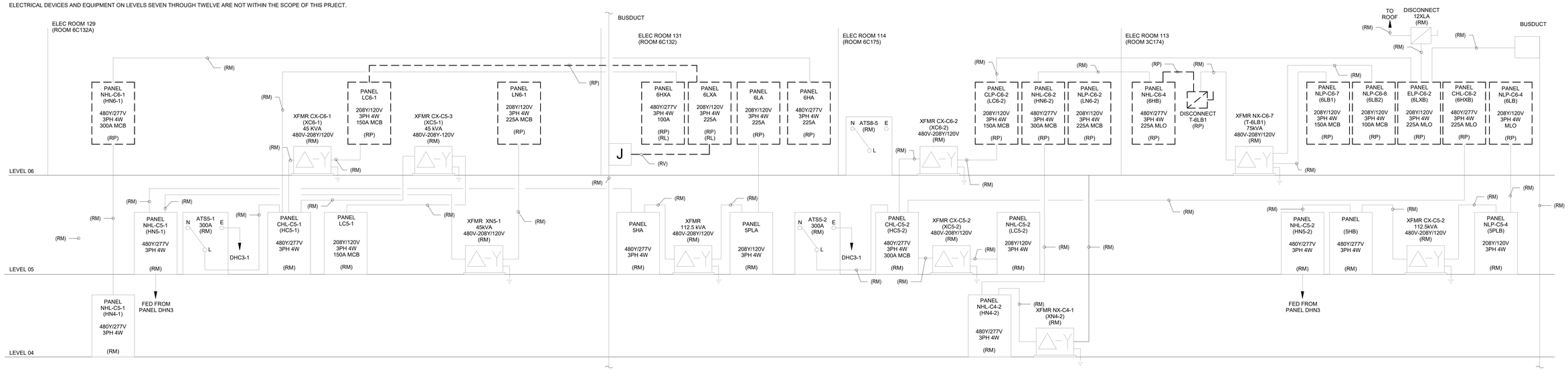
B. PANELBOARD AND DISCONNECT FEEDERS ARE EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.

C. ALL BRANCH CIRCUITS SUPPLYING DEVICES ON LEVEL 06 ARE TO BE DEMOLISHED. SEE PANEL SCHEDULES FOR NEW BRANCH CIRCUITS.

DEMOLITION RISER DIAGRAM LEGEND

EXISTING - RM (EXISTING DEVICE; TO REMAIN)
DEMO - RP (EXISTING DEVICE; TO BE REPLACED WITH NEW)

ELECTRICAL DEVICES AND EQUIPMENT ON THE ROOF AND IN THE MACHINE ROOMS ARE NOT WITHIN THE SCOPE OF THIS PROJECT.
ELECTRICAL DEVICES AND EQUIPMENT ON LEVELS SEVEN THROUGH TWELVE ARE NOT WITHIN THE SCOPE OF THIS PRJECT.



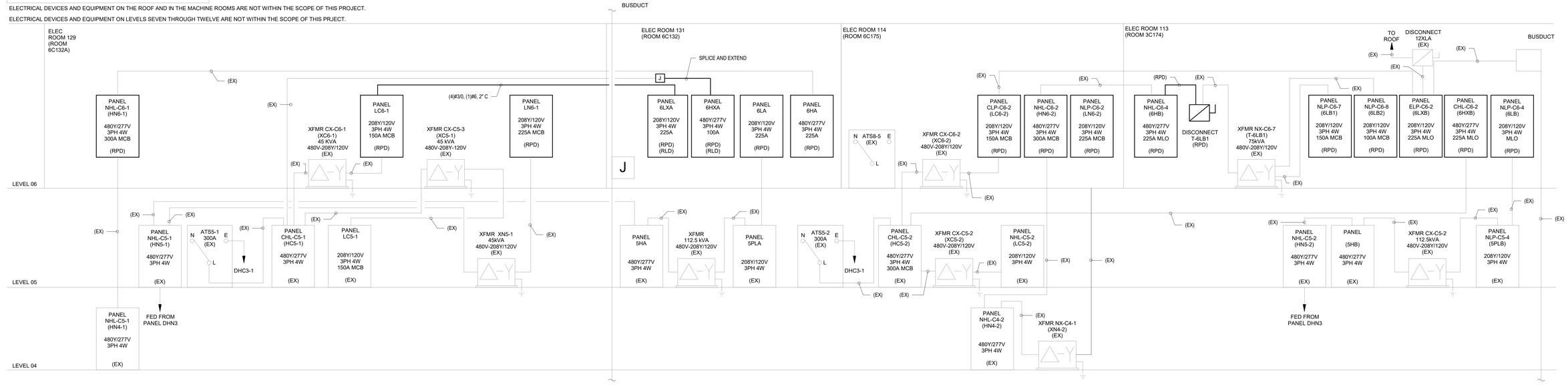
ELECTRICAL DEVICES AND EQUIPMENT ON LEVELS ONE THROUGH THREE ARE NOT WITHIN THE SCOPE OF THIS PROJECT.
ELECTRICAL DEVICES AND EQUIPMENT ON THE GROUND LEVEL ARE NOT WITHIN THE SCOPE OF THIS PROJECT.

1 PARTIAL ELECTRICAL RISER DIAGRAM - DEMOLITION
NOT TO SCALE

NEW WORK RISER DIAGRAM LEGEND

NEW - RPD (EXISTING DEVICED REPLACED WITH NEW)
EXISTING - EX (EXISTING DEVICE)

ELECTRICAL DEVICES AND EQUIPMENT ON THE ROOF AND IN THE MACHINE ROOMS ARE NOT WITHIN THE SCOPE OF THIS PROJECT.
ELECTRICAL DEVICES AND EQUIPMENT ON LEVELS SEVEN THROUGH TWELVE ARE NOT WITHIN THE SCOPE OF THIS PRJECT.



ELECTRICAL DEVICES AND EQUIPMENT ON LEVELS ONE THROUGH THREE ARE NOT WITHIN THE SCOPE OF THIS PROJECT.
ELECTRICAL DEVICES AND EQUIPMENT ON THE GROUND LEVEL ARE NOT WITHIN THE SCOPE OF THIS PROJECT.

2 PARTIAL ELECTRICAL RISER DIAGRAM - NEW WORK
NOT TO SCALE

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GEORGIA REGISTERED PROFESSIONAL No. 050482 9/21/23 JOHN C. EDWARDS, JR.

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VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL - PARTIAL RISER DIAGRAMS
Approved:
Phase: 100% CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED
Project Title: RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC
Location: 1670 CLAIRMONT RD, DECATUR, GA
Issue Date: 9/21/2023
Checked: JCE
Drawn: NMG
Project Number: 508-22-105
Building Number: C
Drawing Number: E006

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Branch Panel: NHL-C6-3 (6HA)

Location: ELEC. 660 **Volts:** 480/277 Wye **A.I.C. Rating:** 22,000A
Supply From: NHL-C6-1 **Phases:** 3 **Mains Type:** MLO
Mounting: Surface **Wires:** 4 **Mains Rating:** 225 A
Enclosure: Type 1

CIR	DESCRIPTION	NOTE	SIZE (HOT, N, G)	C	P	AMP	A	B	C	A	B	C	AMP	P	C	SIZE (HOT, N, G)	NOTE	DESCRIPTION	CIR
1	Lighting GYM 5		1-#12, 1-#12, 1-#12		1	20	1.0			0.2			20	1		1-#12, 1-#12, 1-#12		Lighting PATIENT 5 142	2
3	Lighting HUDDLE 41		1-#12, 1-#12, 1-#12		1	20		1.4			0.3		20	1		1-#12, 1-#12, 1-#12		Lighting Patient 1 9	4
5	Lighting DINING 15		1-#12, 1-#12, 1-#12		1	20			0.4			0.2	20	1		1-#12, 1-#12, 1-#12		Lighting PATIENT 7 144	6
7	Lighting LIVING 70		1-#12, 1-#12, 1-#12		1	20	0.2			2.1			20	1		1-#12, 1-#12, 1-#12		Lighting SOILED PANT. 118	8
9	Lighting EQUIP. 689		1-#12, 1-#12, 1-#12		1	20		0.5			0.6		20	1		1-#12, 1-#12, 1-#12		Lighting Space 45	10
11	Lighting PATIENT 13-1 628-1		1-#12, 1-#12, 1-#12		1	20			0.4			0.1	20	1		1-#12, 1-#12, 1-#12		Lighting TLT683, ELEV. 681	12
13	Lighting CORRIDOR 6C60		1-#12, 1-#12, 1-#12		1	20	0.4			0.0			20	1		--		SPARE	14
15	Lighting CHART 602		1-#12, 1-#12, 1-#12		1	20		0.4			0.0		20	1		--		SPARE	16
17	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	18
19	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	20
21	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	22
23	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	24
25	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	26
27	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	28
29	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	30
31	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	32
33	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	34
35	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	36
37	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	38
39	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	40
41	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	42

	PHASE A	PHASE B	PHASE C
TOTAL LOAD:	3.9 kVA	3.2 kVA	1.1 kVA
TOTAL AMPS:	15 A	13 A	4 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	8108 VA	125.00%	10135 VA		
Lighting - Dwelling Unit	48 VA	100.00%	48 VA	**Total Conn. Load:**	8154 VA
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	10181 VA
				Total Conn.:	10 A
				Total Est. Demand:	12 A

Notes:

Branch Panel: NHL-C6-4 (6HB)

Location: ELEC 680 **Volts:** 480/277 Wye **A.I.C. Rating:** 22,000A
Supply From: NHL-C6-2 **Phases:** 3 **Mains Type:** MLO
Mounting: Surface **Wires:** 4 **Mains Rating:** 225 A
Enclosure: Type 1

CIR	DESCRIPTION	NOTE	SIZE (HOT, N, G)	C	P	AMP	A	B	C	A	B	C	AMP	P	C	SIZE (HOT, N, G)	NOTE	DESCRIPTION	CIR
1	(EX) LTS 6C158-160	1	--		1	20	0.0			0.0			20	1		--	1	(EX) LTS 6C116-119	2
3	(EX) LTS 6C162,164,165	1	--		1	20		0.0			0.0		20	1		--	1	(EX) LTS 6C105,110,115	4
5	(EX) LTS 6C101, 102, 103, 17...	1	--		1	20			0.0			0.0	20	1		--	1	(EX) LTS CORRIDOR	6
7	SPARE		--		1	20	0.0			0.0			20	1		--	1	(EX) LOAD	8
9	SPARE		--		1	20		0.0			0.0		20	1		--	1	(EX) LOAD	10
11	SPARE		--		1	20			0.0			0.0	20	1		--	1	(EX) LOAD	12
13	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	14
15	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	16
17	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	18
19	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	20
21	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	22
23	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	24
25	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	26
27	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	28
29	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	30
31	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	32
33	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	34
35	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	36
37	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	38
39	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	40
41	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	42

	PHASE A	PHASE B	PHASE C
TOTAL LOAD:	0.0 kVA	0.0 kVA	0.0 kVA
TOTAL AMPS:	0 A	0 A	0 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:
1. EXISTING LOADS TO BE TRANSFERED TO NEW PANEL.

Branch Panel: CHL-C6-1 (6HXA)

Location: ELEC. 660 **Volts:** 480/277 Wye **A.I.C. Rating:** 22,000A
Supply From: CHL-C5-1 **Phases:** 3 **Mains Type:** MLO
Mounting: Surface **Wires:** 4 **Mains Rating:** 100 A
Enclosure: Type 1

CIR	DESCRIPTION	NOTE	SIZE (HOT, N, G)	C	P	AMP	A	B	C	A	B	C	AMP	P	C	SIZE (HOT, N, G)	NOTE	DESCRIPTION	CIR
1	(EX) LOAD	1	--		1	20	0.0			0.0			20	1		--	1	(EX) LOAD	2
3	(EX) LOAD	1	--		1	20		0.0			0.0		20	1		--	1	(EX) LOAD	4
5	(EX) LOAD	1	--		1	20			0.0			0.0	20	1		--	1	(EX) LOAD	6
7	(EX) LOAD	1	--		1	20	0.0			0.0			20	1		--	1	(EX) LOAD	8
9	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	10
11	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	12
13	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	14
15	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	16
17	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	18
19	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	20
21	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	22
23	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	24
25	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	26
27	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	28
29	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	30
31	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	32
33	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	34
35	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	36
37	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	38
39	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	40
41	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	42

	PHASE A	PHASE B	PHASE C
TOTAL LOAD:	0.0 kVA	0.0 kVA	0.0 kVA
TOTAL AMPS:	0 A	0 A	0 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:
1. EXISTING LOADS TO BE TRANSFERED TO NEW PANEL.

Branch Panel: CHL-C6-2 (6HXB)

Location: ELEC 680 **Volts:** 480/277 Wye **A.I.C. Rating:** 22,000A
Supply From: CHL-C5-2 **Phases:** 3 **Mains Type:** MLO
Mounting: Surface **Wires:** 4 **Mains Rating:** 225 A
Enclosure: Type 1

CIR	DESCRIPTION	NOTE	SIZE (HOT, N, G)	C	P	AMP	A	B	C	A	B	C	AMP	P	C	SIZE (HOT, N, G)	NOTE	DESCRIPTION	CIR
1	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	2
3	EM LTG 9,10 FL	1	--		1	20		0.0			0.0		20	1	1	--		EM LTG STAIR 3,4,5,6,7 FL	4
5	EM LTG 7,8 FL	1	--		1	20			0.0			0.0	20	1	1	--		EM LTG 8,9,10,11 FL	6
7	EM LTG 5,6 FL	1	--		1	20	0.0			0.0			20	1	1	--		EM LTG 2ND FL	8
9	EM LTG 4TH FL	1	--		1	20		0.0			0.0		20	1	1	--		EM LTG 10TH FL E&D SEC	10
11	EXISTING TO REMAIN	3	--		1	20			0.0			0.0	20	1	1	--		EM LTG 10TH FL E&D SEC	12
13	EM LTG 1ST FL	1	--		1	20	0.0			0.0			20	1	3	--		EXISTING TO REMAIN	14
15	EM LTG GROUND FL	1	--		1	20		0.0			0.0		20	1		--		SPARE	16
17	EXISTING TO REMAIN	3	--		1	20			0.0			0.0	20	1		--		SPARE	18
19	EXISTING TO REMAIN	3	--		1	20	0.0			0.0			20	1		--		SPARE	20
21	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	22
23	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	24
25	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	26
27	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	28
29	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	30
31	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	32
33	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	34
35	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	36
37	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	38
39	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	40
41	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	42

	PHASE A	PHASE B	PHASE C
TOTAL LOAD:	0.0 kVA	0.0 kVA	0.0 kVA
TOTAL AMPS:	0 A	0 A	0 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:
1. EXISTING LOADS TO BE TRANSFERED TO NEW PANEL.
2. PANELBOARD HAS A 30A/3P SUBFEED CIRCUIT BREAKER.
3. LOCK-ON CIRCUIT BREAKER DEVICE.

Branch Panel: NLP-C6-3 (6LA)

Location: ELEC. 660 **Volts:** 120/208 Wye **A.I.C. Rating:**
Supply From: NLP-C5-3 VIA XFMR SHARED W/... **Phases:** 3 **Mains Type:** MLO
Mounting: Surface **Wires:** 4 **Mains Rating:** 225 A
Enclosure: Type 1

CIR	DESCRIPTION	NOTE	SIZE (HOT, N, G)	C	P	AMP	A	B	C	A	B	C	AMP	P	C	SIZE (HOT, N, G)	NOTE	DESCRIPTION	CIR
1	REC ROOM 605		1-#12, 1-#12, 1-#12		1	20	0.8			0.6			20	1		1-#12, 1-#12, 1-#12		REC ROOM 605	2
3	REC ROOM 608		1-#12, 1-#12, 1-#12		1	20		0.6			0.8		20	1		1-#12, 1-#12, 1-#12		REC ROOM 608	4
5	REC ROOM 609-2		1-#12, 1-#12, 1-#12		1	20			0.8			0.6	20	1		1-#12, 1-#12, 1-#12		REC ROOM 609-2	6
7	REC ROOM 635		1-#12, 1-#12, 1-#12		1	20	0.6			0.8			20	1		1-#12, 1-#12, 1-#12		REC ROOM 635	8
9	REC Room 637, 638		1-#12, 1-#12, 1-#12		1	20		0.6			0.8		20	1		1-#12, 1-#12, 1-#12		REC PROOM 638	10
11	REC ROOM 639		1-#12, 1-#12, 1-#12		1	20			0.8			0.6	20	1		1-#12, 1-#12, 1-#12		REC ROOM 639	12
13	REC ROOM 634-2		1-#12, 1-#12, 1-#12		1	20	0.8			0.4			20	1		1-#12, 1-#12, 1-#12		REC ROOM 634-2	14
15	REC OFFICE 641		1-#12, 1-#12, 1-#12		1	20		0.6			0.6		20	1		1-#12, 1-#12, 1-#12		REC OFFICE 641	16
17	REC CONFERENCE 642		1-#12, 1-#12, 1-#12		1	20			1.0			0.6	20	1		1-#12, 1-#12, 1-#12		REC CONFERENCE 642	18
19	REC BREAK 643 - COFFEE		1-#12, 1-#12, 1-#12		1	20	0.2			0.2			20	1		1-#12, 1-#12, 1-#12		REC BREAK 643	20
21	REC BREAK 643 - REF		1-#12, 1-#12, 1-#12		1	20		1.0			0.2		20	1		1-#12, 1-#12, 1-#12		REC BREAK 643 -...	22
23	REC BREAK 643		1-#12, 1-#12, 1-#12		1	20			1.0			1.0	20	1		1-#12, 1-#12, 1-#12		REC TLT. 645/646 & LOCKER...	24
25	REC LAUNDRY 647 - WASHER		1-#12, 1-#12, 1-#12		1	20	0.2			1.3			20	3		3-#12, 1-#12, 1-#12		REC LAUNDRY 647 - DRYER	26
27	REC LAUNDRY 647 - DRYER		3-#12, 1-#12, 1-#12		3	20		1.3			1.3		--	--		--		--	28
29	--		--		--	--			1.3			1.3	--	--		--		--	30
31	--		--		--	--	1.3			0.2			20	1		1-#12, 1-#12, 1-#12		REC LAUNDRY 647 - WASHER	32
33	REC CORRIDOR 6C60/ 6C67		1-#12, 1-#12, 1-#12		1	20		0.8			0.6		20	1		1-#12, 1-#12, 1-#12		REC LAUNDRY 647	34
35	REC ROOM...		1-#12, 1-#12, 1-#12		1	20			1.0			1.2	20	1		1-#10, 1-#10, 1-#10		REC CORRIDOR 6C60/6C61	36
37	RCP-1 - LAUNDRY 647		1-#12, 1-#12, 1-#12		1	20	0.2			0.0			20	1		--		SPARE	38
39	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	40
41	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	42

	PHASE A	PHASE B	PHASE C
TOTAL LOAD:	7.7 kVA	9.3 kVA	11.3 kVA
TOTAL AMPS:	64 A	79 A	96 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	200 VA	100.00%	200 VA		
REC	26988 VA	68.53%	18494 VA	**Total Conn. Load:**	28188 VA
MISCELLANEOUS	1000 VA	100.00%	1000 VA	**Total Est. Demand:**	19694 VA
				Total Conn.:	78 A
				Total Est. Demand:	55 A

Notes:

Branch Panel: NLB-C6-4 (6LB)

Location: ELEC 680 **Volts:** 120/208 Wye **A.I.C. Rating:** 10,000A
Supply From: NLP-C5-4 VIA XFMR SHARED W/... **Phases:** 3 **Mains Type:** MLO
Mounting: Surface **Wires:** 4 **Mains Rating:** 225 A
Enclosure: Type 1

CIR	DESCRIPTION	NOTE	SIZE (HOT, N, G)	C	P	AMP	A	B	C	A	B	C	AMP	P	C	SIZE (HOT, N, G)	NOTE	DESCRIPTION	CIR
1	REC ROOM 620-4		1-#12, 1-#12, 1-#12		1	20	0.8			0.8			20	1		1-#12, 1-#12, 1-#12		REC ROOM 620-4	2
3	REC ROOM 619-2		1-#12, 1-#12, 1-#12		1	20		0.8			0.8		20	1		1-#12, 1-#12, 1-#12		REC ROOM 619-2	4
5	REC ROOM 616-3		1-#12, 1-#12, 1-#12		1	20			0.6			0.8	20	1		1-#12, 1-#12, 1-#12		REC ROOM 616-3	6
7	REC ROOM 614		1-#12, 1-#12, 1-#12		1	20	0.8			0.6			20	1		1-#12, 1-#12, 1-#12		REC ROOM 614	8
9	REC ROOM 612-2		1-#12, 1-#12, 1-#12		1	20		0.6			0.8		20	1		1-#12, 1-#12, 1-#12		REC ROOM 612-2	10
11	REC ROOM 623		1-#12, 1-#12, 1-#12		1	20			0.6			0.6	20	1		1-#12, 1-#12, 1-#12		REC ROOM 623	12
13	REC ROOM 624		1-#12, 1-#12, 1-#12		1	20	0.8			0.8			20	1		1-#12, 1-#12, 1-#12		REC ROOM 75	14
15	REC ROOM 624		1-#12, 1-#12, 1-#12		1	20		0.6			0.8		20	1		1-#12, 1-#12, 1-#12		REC ROOM 628-2	16
17	REC ROOM 75		1-#12, 1-#12, 1-#12		1	20			0.6			1.2	20	1		1-#10, 1-#10, 1-#10		REC CORRIDOR 6C63-2	18
19	REC ROOM 628-2		1-#12, 1-#12, 1-#12		1	20	0.6			0.8			20	1		1-#12, 1-#12, 1-#12		REC MED. 688	20
21	REC CORRIDOR 6C66		1-#10, 1-#10, 1-#10		1	20		1.2			0.6		20	1		1-#12, 1-#12, 1-#12		REC MED. 688	22
23	REC MED. 688		1-#12, 1-#12, 1-#12		1	20			0.8			1.2	20	1		1-#12, 1-#12, 1-#12		REC ELEV. LOBBY 681/ 691	24
25	REC ROOM 684/686/685/683		1-#12, 1-#12, 1-#12		1	20	0.8			1.0			20	1		1-#12, 1-#12, 1-#12		REC KITCHEN 678 - REF	26
27	REC REC ROOM 631/ 630-2		1-#12, 1-#12, 1-#12		1	20		1.2			1.0		20	1		1-#12, 1-#12, 1-#12		REC KITCHEN 678 - MICRO	28
29	REC KITCHEN 678 - REF		1-#12, 1-#12, 1-#12		1	20			1.0			0.0	20	1		--		SPARE	30
31	REC KITCHEN 678 - MICRO		1-#12, 1-#12, 1-#12		1	20	1.0			0.0			20	1		--		SPARE	32
33	REC KITCHEN 678		1-#12, 1-#12, 1-#12		1	20		1.6			5.0		30	2		2-#8, 1-#8, 1-#8		DOUBLE WALL OVEN -...	34
35	REC DINING 611/675		1-#12, 1-#12, 1-#12		1	20			0.8			5.0	--	--		--		--	36
37	REC - DATA 682		1-#12, 1-#12, 1-#12		1	20	0.6			0.6			20	1		1-#12, 1-#12, 1-#12		REC - DATA 682	38
39	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	40
41	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	42

	PHASE A	PHASE B	PHASE C
TOTAL LOAD:	10.0 kVA	15.0 kVA	13.2 kVA
TOTAL AMPS:	83 A	129 A	114 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
REC	34180 VA	64.63%	22090 VA		
MISCELLANEOUS	4000 VA	100.00%	4000 VA	**Total Conn. Load:**	38180 VA
				Total Est. Demand:	26090 VA
				Total Conn.:	106 A
				Total Est. Demand:	72 A

Notes:

Revisions:	**Date:**

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CHARLOTTE ENGINEERS

STAMP

GEORGIA No. 050482 PROFESSIONAL 9/21/23 ENGINEER JOHN C. EDWARDS, JR.

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

6HA	6HB	6HXA	
6HXB	6LA	6LB	

Drawing Title
ELECTRCIAL - PANEL SCHEDULES

Approved:

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC

Location
1670 CLAIRMONT RD, DECATUR, GA

Issue Date 9/21/2023
Checked JCE
Drawn NMG

Project Number 508-22-105
Building Number C
Drawing Number E007

12/11/2024 11:23:58 AM
C:\Revit 2020\14714 - CE Central Model.rvt

Branch Panel: NHL-C6-1 (HN6-1)

Location: ELEC. 661 **Volts:** 480/277 Wye **A.I.C. Rating:** 22,000A
Supply From: NHL-C5-1 **Phases:** 3 **Mains Type:** MCB
Mounting: Surface **Wires:** 4 **Mains Rating:** 300 A
Enclosure: Type 1

CIR	DESCRIPTION	NOTE	SIZE (HOT, N, G)	C	P	AMP	A	B	C	A	B	C	AMP	P	C	SIZE (HOT, N, G)	NOTE	DESCRIPTION	CIR
1	6HA		3-#1, 1-#1, 1-#8		3	100	3.9			0.0			20	1		--		SPARE	2
3	--		--		--	--		3.2			0.0		20	1		--		SPARE	4
5	--		--		--	--			1.1			0.2	20	1		1-#12, 1-#12, 1-#12		Lighting CORRIDOR 6C64	6
7	Lighting CORRIDOR 6C61		1-#12, 1-#12, 1-#12		1	20	0.3			0.0			20	1		--		SPARE	8
9	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	10
11	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	12
13	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	14
15	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	16
17	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	18
19	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	20
21	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	22
23	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	24
25	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	26
27	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	28
29	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	30
31	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	32
33	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	34
35	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	36
37	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	38
39	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	40
41	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	42

	PHASE A	PHASE B	PHASE C
TOTAL LOAD:	4.2 kVA	3.2 kVA	1.3 kVA
TOTAL AMPS:	16 A	12 A	5 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	8563 VA	125.00%	10704 VA		
Lighting - Dwelling Unit	48 VA	100.00%	48 VA	**Total Conn. Load:**	8609 VA
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	10750 VA
				Total Conn.:	10 A
				Total Est. Demand:	13 A

Notes:
1. EXISTING LOADS TO BE TRANSFERED TO NEW PANEL.

Branch Panel: NHL-C6-2 (HN6-2)

Location: ELEC 679 **Volts:** 480/277 Wye **A.I.C. Rating:** 22,000A
Supply From: NHL-C5-2 **Phases:** 3 **Mains Type:** MCB
Mounting: Surface **Wires:** 4 **Mains Rating:** 300 A
Enclosure: Type 1

CIR	DESCRIPTION	NOTE	SIZE (HOT, N, G)	C	P	AMP	A	B	C	A	B	C	AMP	P	C	SIZE (HOT, N, G)	NOTE	DESCRIPTION	CIR
1	6HB		3-#1, 1-#1, 1-#8		3	100	0.0			0.0			20	1		--		SPARE	2
3	--		--		--	--		0.0			0.0		20	1		--		SPARE	4
5	--		--		--	--			0.0			0.0	20	1		--		SPARE	6
7	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	8
9	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	10
11	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	12
13	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	14
15	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	16
17	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	18
19	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	20
21	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	22
23	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	24
25	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	26
27	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	28
29	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	30
31	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	32
33	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	34
35	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	36
37	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	38
39	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	40
41	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	42

	PHASE A	PHASE B	PHASE C
TOTAL LOAD:	0.0 kVA	0.0 kVA	0.0 kVA
TOTAL AMPS:	0 A	0 A	0 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:
1. EXISTING LOADS TO BE TRANSFERED TO NEW PANEL.

Branch Panel: CLP-C6-1 (LC6-1)

Location: ELEC. 661 **Volts:** 120/208 Wye **A.I.C. Rating:** 10,000A
Supply From: CHL-C5-1 VIA XFMR XC-C6-1 **Phases:** 3 **Mains Type:** MCB
Mounting: Surface **Wires:** 4 **Mains Rating:** 150 A
Enclosure: Type 1

CIR	DESCRIPTION	NOTE	SIZE (HOT, N, G)	C	P	AMP	A	B	C	A	B	C	AMP	P	C	SIZE (HOT, N, G)	NOTE	DESCRIPTION	CIR
1	6LXA		3-#3/0, 1-#3/0, 1-#6		3	150	1.2			0.2			20	1		1-#12, 1-#12, 1-#12		REC ELEC 664	2
3	--		--		--	--		6.0			0.4		20	1		1-#12, 1-#12, 1-#12		REC ELEC. 661	4
5	--		--		--	--			0.6			0.5	20	1		1-#12, 1-#12, 1-#12		NURSE CALL ELEC 664	6
7	SPARE		--		1	20	0.0			0.5			20	1		1-#12, 1-#12, 1-#12		ACCESS CONTROLS ELEC 664	8
9	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	10
11	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	12
13	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	14
15	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	16
17	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	18
19	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	20
21	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	22
23	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	24
25	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	26
27	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	28
29	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	30
31	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	32
33	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	34
35	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	36
37	IT RACK - DATA 682		3-#12, 1-#12, 1-#12		3	20	0.3			0.0			20	1		--		SPARE	38
39	--		--		--	--		0.3			0.0		20	1		--		SPARE	40
41	--		--		--	--			0.3			0.0	20	1		--		SPARE	42

	PHASE A	PHASE B	PHASE C
TOTAL LOAD:	2.2 kVA	6.7 kVA	1.4 kVA
TOTAL AMPS:	20 A	57 A	12 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	1000 VA	100.00%	1000 VA		
Power	7400 VA	100.00%	7400 VA	**Total Conn. Load:**	10400 VA
REC	2000 VA	100.00%	2000 VA	**Total Est. Demand:**	10400 VA
				Total Conn.:	29 A
				Total Est. Demand:	29 A

Notes:
1. EXISTING LOADS TO BE TRANSFERED TO NEW PANEL.

Branch Panel: CLP-C6-2 (LC6-2)

Location: ELEC 679 **Volts:** 120/208 Wye **A.I.C. Rating:** 10,000A
Supply From: CHL-C5-2 VIA XFMR CX-C6-2 **Phases:** 3 **Mains Type:** MCB
Mounting: Surface **Wires:** 4 **Mains Rating:** 150 A
Enclosure: Type 1

CIR	DESCRIPTION	NOTE	SIZE (HOT, N, G)	C	P	AMP	A	B	C	A	B	C	AMP	P	C	SIZE (HOT, N, G)	NOTE	DESCRIPTION	CIR
1	PANEL 6LXB	2	--		3	150	0.0			0.0			20	1		--		FIRE ALARM PANEL PAD - 3	2
3	--		--		--	--		0.0			0.0		20	1		--		SPARE	4
5	--		--		--	--			0.0			0.0	20	1		--		SPARE	6
7	NOT AVAILABLE SPACE		--		1	--	--			0.0			20	1		--		SPARE	8
9	NOT AVAILABLE SPACE		--		1	--		--			0.0		20	1		--		SPARE	10
11	NOT AVAILABLE SPACE		--		1	--			--			0.0	20	1		--		SPARE	12
13	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	14
15	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	16
17	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	18
19	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	20
21	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	22
23	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	24
25	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	26
27	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	28
29	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	30
31	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	32
33	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	34
35	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	36
37	IT RACK - DATA 682		3-#12, 1-#12, 1-#12		3	20	0.3			0.0			20	1		1-#12, 1-#12, 1-#12		REC ELEC 680	40
39	--		--		--	--		0.3			0.2		20	1		1-#12, 1-#12, 1-#12		REC ELEC 679	42

	PHASE A	PHASE B	PHASE C
TOTAL LOAD:	0.3 kVA	0.5 kVA	0.5 kVA
TOTAL AMPS:	3 A	5 A	5 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	1000 VA	100.00%	1000 VA		
REC	400 VA	100.00%	400 VA	**Total Conn. Load:**	1400 VA
				Total Est. Demand:	1400 VA
				Total Conn.:	4 A
				Total Est. Demand:	4 A

Notes:
1. EXISTING LOADS TO BE TRANSFERED TO NEW PANEL.
2. CIRCUIT BREAKER UTILIZES 6 POLE SPACES.

Branch Panel: NLP-C6-1 (LN6-1)

Location: ELEC. 661 **Volts:** 120/208 Wye **A.I.C. Rating:** 10,000A
Supply From: NHL-C5-1 VIA XFMR NX-C5-1 **Phases:** 3 **Mains Type:** MCB
Mounting: Surface **Wires:** 4 **Mains Rating:** 150 A
Enclosure: Type 1

CIR	DESCRIPTION	NOTE	SIZE (HOT, N, G)	C	P	AMP	A	B	C	A	B	C	AMP	P	C	SIZE (HOT, N, G)	NOTE	DESCRIPTION	CIR
1	REC GYM 601		1-#10, 1-#10, 1-#10		1	20	1.4			0.0			20	1		--	1	(EX) REC: 6C150	2
3	REC HUDDLE 670		1-#12, 1-#12, 1-#12		1	20		0.8			0.0		20	1		--	1	(EX) REC: 6C150	4
5	REC COPY 672 - COPIER		1-#12, 1-#12, 1-#12		1	20			0.8			0.0	20	1		--	3	SPARE	6
7	REC ROOM 670/671/672		1-#12, 1-#12, 1-#12		1	20	0.8			0.2			20	1		1-#12, 1-#12, 1-#12		REC GYM 601 - FREEZER	8
9	REC OFFICE 671		1-#12, 1-#12, 1-#12		1	20		0.8			0.2		20	1		1-#12, 1-#12, 1-#12		REC GYM 601 - BIKE	10
11	VAV CONTROLS		1-#12, 1-#12, 1-#12		1	20			1.0			0.8	20	1		1-#12, 1-#12, 1-#12		REC HUDDLE 670	12
13	VAV CONTROLS		1-#12, 1-#12, 1-#12		1	20	1.0			1.0			20	1		1-#12, 1-#12, 1-#12		REC GYM 601	14
15	VAV CONTROLS		1-#12, 1-#12, 1-#12		1	20		1.0			0.8		20	1		1-#12, 1-#12, 1-#12		REC HUDDLE 670	16
17	REC CHART 602		1-#12, 1-#12, 1-#12		1	20			0.8			0.2	20	1		1-#12, 1-#12, 1-#12		REC GYM 601 - REF	18
19	REC GYM 601 - FLOOR		1-#12, 1-#12, 1-#12		1	20	0.2			0.2			20	1		1-#12, 1-#12, 1-#12		REC GYM 601 - FLOOR	20
21	TUB POWER BATH 122		1-#12, 1-#12, 1-#12		1	20		1.1			0.0		20	1		--		SPARE	22
23	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	24
25	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	26
27	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	28
29	SPARE		--		1	20			0.0			0.0	150	3		--	2	PANELBOARD 4LB	30
31	SPARE		--		1	20	0.0			0.0			--	--		--		--	32
33	SPARE		--		1	20		0.0			0.0		--	--		--		--	34
35	SPARE		--		1	20			0.0			--	--	1		--		NOT AVAILABLE SPACE	36
37	SPARE		--		1	20	0.0			--			--	1		--		NOT AVAILABLE SPACE	38
39	SPARE		--		1	20		0.0			--		--	1		--		NOT AVAILABLE SPACE	40
41	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	42

	PHASE A	PHASE B	PHASE C
TOTAL LOAD:	4.8 kVA	4.7 kVA	3.6 kVA
TOTAL AMPS:	41 A	41 A	30 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	800 VA	100.00%	800 VA		
Power	4100 VA	100.00%	4100 VA	**Total Conn. Load:**	13100 VA
REC	7400 VA	100.00%	7400 VA	**Total Est. Demand:**	13100 VA
MISCELLANEOUS	800 VA	100.00%	800 VA	**Total Conn.:**	36 A
				Total Est. Demand:	36 A

Notes:
1. EXISTING LOADS TO BE TRANSFERED TO NEW PANEL.
2. CIRCUIT BREAKER UTILIZES 6 POLE SPACES.
3. PROVIDE GROUND FAULT PROTECTION FOR PERSONNEL.

Branch Panel: NLP-C6-2 (LN6-2)

Location: ELEC 679 **Volts:** 120/208 Wye **A.I.C. Rating:** 10,000A
Supply From: NHL-C4-2 VIA XFMR NX-C4-1 **Phases:** 3 **Mains Type:** MCB
Mounting: Surface **Wires:** 4 **Mains Rating:** 225 A
Enclosure: Type 1

CIR	DESCRIPTION	NOTE	SIZE (HOT, N, G)	C	P	AMP	A	B	C	A	B	C	AMP	P	C	SIZE (HOT, N, G)	NOTE	DESCRIPTION	CIR
1	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	2
3	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	4
5	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	6
7	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	8
9	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	10
11	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	12
13	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	14
15	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	16
17	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	18
19	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	20
21	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	22
23	(EX) LOAD	2	--		3	150			0.0			0.0	20	1		--		SPARE	24
25	--		--		--	--	0.0			0.0			20	1		--		SPARE	26
27	--		--		--	--		0.0			0.0		20	1		--		SPARE	28
29	NOT AVAILABLE SPACE		--		1	--			--			0.0	20	1		--		SPARE	30
31	NOT AVAILABLE SPACE		--		1	--	--			0.0			20	1		--		SPARE	32
33	NOT AVAILABLE SPACE		--		1	--		--			0.0		20	1		--		SPARE	34
35	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	36
37	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	38
39	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	40
41	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	42

	PHASE A	PHASE B	PHASE C
TOTAL LOAD:	0.0 kVA	0.0 kVA	0.0 kVA
TOTAL AMPS:	0 A	0 A	0 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:
1. EXISTING LOADS TO BE TRANSFERED TO NEW PANEL.
2. CIRCUIT BREAKER UTILIZES 6 POLE SPACES.

HN6-1	HN6-2	LC6-1
LC6-2	LN6-1	LN6-2

Revisions:	Date:

CONSULTANT

Consultant:
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1221 N. PENNSYLVANIA STREET
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5838 MONROE ROAD, SUITE 100
CHARLOTTE, NC 28212
704.531.3000

CHARLOTTE ENGINEERS

STAMP

GEORGIA No. 050482 PROFESSIONAL ENGINEER 9/21/23 JOSHUA G. EDWARDS - VP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL - PANEL SCHEDULES

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC

Project Number: 508-22-105

Building Number: C

Location: 1670 CLAIRMONT RD, DECATUR, GA

Issue Date: 9/21/2023 | Checked: JCE | Drawn: NMG

Drawing Number: E008

12/11/2024 11:24:04 AM

C:\Revit 2021\14714 - CE Central Model.rvt

Branch Panel: NLP-C6-8 (6LB2)

Location: ELEC 680
Supply From: NHL-C6-4 VIA XFMR NX-C6-1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000A
Mains Type: MCB
Mains Rating: 100 A

CIR	DESCRIPTION	NOTE	SIZE (HOT, N, G)	C	P	AMP	A	B	C	A	B	C	AMP	P	C	SIZE (HOT, N, G)	NOTE	DESCRIPTION	CIR
1	(EX) REC 6105	1	--		1	20	0.0			0.0			20	1		--	1	(EX) REC 6106	2
3	(EX) REC 6102	1	--		1	20		0.0			0.0		20	1		--	1	(EX) REC 6107	4
5	(EX) REC 6C115B	1	--		1	20			0.0			0.0	20	1		--	1	(EX) REC 6104	6
7	(EX) REC 6110	1	--		1	20	0.0			0.0			20	1		--	1	(EX) REC 6113	8
9	(EX) REC 6109	1	--		1	20		0.0			0.0		20	1		--	1	(EX) REC 6112	10
11	(EX) REC 6108	1	--		1	20			0.0			0.0	20	1		--	1	(EX) REC 6111	12
13	(EX) REC 6118	1	--		1	20	0.0			0.0			20	1		--	1	(EX) REC 6117	14
15	(EX) REC 6119	1	--		1	20		0.0			0.0		20	1		--	1	(EX) REC 6114	16
17	(EX) REC 6116	1	--		1	20			0.0			0.0	20	1		--	1	(EX) REC 6115	18
19	(EX) REC 6120	1	--		1	20	0.0			0.0			20	1		--	1	(EX) REC 6121	20
21	(EX) REC 6119	1	--		1	20		0.0			0.0		20	1		--	1	(EX) REC 6124	22
23	(EX) REC 6122	1	--		1	20			0.0			0.0	20	1		--	1	(EX) REC 6123	24
25	(EX) REC 6132	1	--		1	20	0.0			0.0			20	1		--	1	(EX) BREAK RM 6132	26
27	(EX) REC 6132	1	--		1	20		0.0			0.0		20	1		--	1	(EX) BREAK RM 6132	28
29	(EX) REC 6132	1	--		1	20			0.0			0.0	20	1		--	1	(EX) BREAK RM 6132	30
31	(EX) REC 208V 6132	1	--		2	15	0.0			0.0			20	1		--	1	(EX) REC 6100	32
33	--		--		--	--		0.0			0.0		20	1		--	1	(EX) REC 6100-6101	34
35	VAV, FIRE DAMPER	2	--		1	20			0.0			0.0	20	1		--	1	(EX) REC 6101	36
37	SPACE ONLY		--		1	--	--			--			--	1		--		SPACE ONLY	38
39	SPACE ONLY		--		1	--		--			--		--	1		--		SPACE ONLY	40
41	SPACE ONLY		--		1	--			--			--	--	1		--		SPACE ONLY	42

	PHASE A	PHASE B	PHASE C
TOTAL LOAD:	0.0 kVA	0.0 kVA	0.0 kVA
TOTAL AMPS:	0 A	0 A	0 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:
1. EXISTING LOADS TO BE TRANSFERED TO NEW PANEL.
2. PROVIDE (2)#12,(1)#12 IN 3/4" CONDUIT.

Branch Panel: ELP-C6-1 (6LXA)

Location: ELEC. 660
Supply From: ELP-C3-4 VIA XFMR SHARED W/...
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000A
Mains Type: MLO
Mains Rating: 100 A

CIR	DESCRIPTION	NOTE	SIZE (HOT, N, G)	C	P	AMP	A	B	C	A	B	C	AMP	P	C	SIZE (HOT, N, G)	NOTE	DESCRIPTION	CIR
1	SPARE		--		2	20	0.0			0.0			20	2		--		SPARE	2
3	--		--		--	--		0.0			0.0		--	--		--		--	4
5	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	6
7	REC ROOM 638		1-#12, 1-#12, 1-#12		1	20	0.8			0.0			20	1		--		SPARE	8
9	FIRE SMOKE DAMPER -...		1-#10, 1-#10, 1-#10		1	20		1.0			5.0		20	1		1-#2, 1-#2, 1-#2		CARD READERS	10
11	(EX) NIGHT LITE & REC -...	1	--		1	20			0.0			0.6	20	1		1-#12, 1-#12, 1-#12		REC PATIENT 1 605.608,609	12
13	(EX) REC - 6C124,125	1	--		1	20	0.0			0.4			20	1		1-#12, 1-#12, 1-#12		FIRE SMOKE DAMPER - ...	14
15	(EX) REC 6C123-126	1	--		1	20		0.0			0.0		20	1		--	1	(EX) REC - 6C150	16
17	(EX) LIGHT LITE & REC -...	1	--		1	20			0.0			0.0	20	1		--	1	(EX) REC - 6C151	18
19	(EX) REC - 6C153, 154	1	--		1	20	0.0			0.0			20	1		--	1	(EX) REC - 6C150,151 NIGHT...	20
21	(EX) NIGHTLITE - 6C154, RE...	1	--		1	20		0.0			0.0		20	1		--	1	(EX) NIGHT LIGHT, REC...	22
23	(EX) OFFICE	1	--		1	20			0.0			0.0	20	1		--	1	(EX) REC - 6C155.,177	24
25	(EX) REC - 6C130	1	--		1	20	0.0			0.0			20	1		--	1	(EX) REC - 6C154	26
27	(EX) LOAD	1	--		1	20		0.0			0.0		20	1		--	1	(EX) LOAD	28
29	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	30
31	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	32
33	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	34
35	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	36
37	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	38
39	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	40
41	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	42

	PHASE A	PHASE B	PHASE C
TOTAL LOAD:	1.2 kVA	6.0 kVA	0.6 kVA
TOTAL AMPS:	11 A	51 A	5 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	6400 VA	100.00%	6400 VA		
REC	1400 VA	100.00%	1400 VA	**Total Conn. Load:**	7800 VA
				Total Est. Demand:	7800 VA
				Total Conn.:	22 A
				Total Est. Demand:	22 A

Notes:
1. EXISTING LOADS TO BE TRANSFERED TO NEW PANEL.

Branch Panel: NLP-C6-7 (6LB1)

Location: ELEC 680
Supply From: NHL-C6-1 VIA XFMR NX-C6-1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000A
Mains Type: MCB
Mains Rating: 150 A

CIR	DESCRIPTION	NOTE	SIZE (HOT, N, G)	C	P	AMP	A	B	C	A	B	C	AMP	P	C	SIZE (HOT, N, G)	NOTE	DESCRIPTION	CIR
1	VAV CONTROLS		1-#12, 1-#12, 1-#12		1	20	1.0			1.0			20	1		1-#12, 1-#12, 1-#12		VAV CONTROLS	2
3	VAV CONTROLS		1-#12, 1-#12, 1-#12		1	20		1.0			1.0		20	1		1-#12, 1-#12, 1-#12		VAV CONTROLS	4
5	REC EQUIP. 689		1-#12, 1-#12, 1-#12		1	20			1.0			1.0	20	1		1-#12, 1-#12, 1-#12		VAV CONTROLS	6
7	REC LIVING 632		1-#12, 1-#12, 1-#12		1	20	1.0			0.8			20	1		1-#12, 1-#12, 1-#12		REC DINING 611	8
9	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	10
11	REC STORAGE 690		1-#12, 1-#12, 1-#12		1	20			1.0			0.0	20	1		--		SPARE	12
13	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	14
15	SPARE		--		1	30		0.0			0.0		20	1		--		SPARE	16
17	SPARE		--		1	30			0.0			0.0	20	1		--		SPARE	18
19	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	20
21	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	22
23	SPARE		--		2	60			0.0			0.0	20	1		--		SPARE	24
25	--		--		--	--	0.0			0.0			20	1		--		SPARE	26
27	SPARE		--		1	20		0.0			0.0		15	1		--		SPARE	28
29	SPARE		--		1	30			0.0			0.0	20	1		--		SPARE	30
31	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	32
33	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	34
35	SPARE		--		1	20			0.0			0.0	20	2		--		SPARE	36
37	SPARE		--		3	30	0.0			0.0			--	--		--		--	38
39	--		--		--	--		0.0			0.0		20	2		--		SPARE	40
41	--		--		--	--			0.0			0.0	--	--		--		--	42

	PHASE A	PHASE B	PHASE C
TOTAL LOAD:	3.8 kVA	2.0 kVA	3.0 kVA
TOTAL AMPS:	33 A	17 A	26 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	5000 VA	100.00%	5000 VA		
REC	3800 VA	100.00%	3800 VA	**Total Conn. Load:**	8800 VA
				Total Est. Demand:	8800 VA
				Total Conn.:	24 A
				Total Est. Demand:	24 A

Notes:
1. EXISTING LOADS TO BE TRANSFERED TO NEW PANEL.

Branch Panel: ELP-C6-2 (6LXB)

Location: ELEC 680
Supply From: ELP-C3-4
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000A
Mains Type: MLO
Mains Rating: 225 A

CIR	DESCRIPTION	NOTE	SIZE (HOT, N, G)	C	P	AMP	A	B	C	A	B	C	AMP	P	C	SIZE (HOT, N, G)	NOTE	DESCRIPTION	CIR
1	SPARE		--		1	20	0.0			1.0			20	1		1-#10, 1-#10, 1-#10		REC PATIENT 612,614,616,...	2
3	4TH FLOOR PICU D	2	--		1	20		0.0			0.8		20	1		1-#10, 1-#10, 1-#10		REC PATIENT 13-1 623-4,...	4
5	SPARE		--		1	20			0.0			0.4	20	1		1-#12, 1-#12, 1-#12		FIRE SMOKE DAMPER - EQU...	6
7	SPARE		--		1	20	0.0			0.0			20	1		--		(EX) REC - 6C175	8
9	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	10
11	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	12
13	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	14
15	SPARE		--		1	20		0.0			0.0		20	1		--		(EX) REC - 6C165	16
17	SPARE		--		1	20			0.0			0.0	20	1		--		(EX) REC - 6C164	18
19	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	20
21	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	22
23	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	24
25	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	26
27	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	28
29	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	30
31	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	32
33	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	34
35	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	36
37	SPARE		--		1	20	0.0			0.0			20	1		--		SPARE	38
39	SPARE		--		1	20		0.0			0.0		20	1		--		SPARE	40
41	SPARE		--		1	20			0.0			0.0	20	1		--		SPARE	42

	PHASE A	PHASE B	PHASE C
TOTAL LOAD:	1.0 kVA	0.8 kVA	0.4 kVA
TOTAL AMPS:	9 A	7 A	3 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	400 VA	100.00%	400 VA		
REC	1800 VA	100.00%	1800 VA	**Total Conn. Load:**	2200 VA
				Total Est. Demand:	2200 VA
				Total Conn.:	6 A
				Total Est. Demand:	6 A

Notes:
1. EXISTING LOADS TO BE TRANSFERED TO NEW PANEL.
2. LOCK-ON CIRCUIT BREAKER DEVICE.

-	6LB2	6LXA
-	6LB1	6LXB

Revisions:	Date:

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SEAL No. 050482 PROFESSIONAL ENGINEER JOHN C. EDWARDS, JR. 9/21/23

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL - PANEL SCHEDULES

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC

Location: 1670 CLAIRMONT RD, DECATUR, GA

Issue Date: 9/21/2023

Checked: JCE

Drawn: NMG

Project Number: 508-22-105

Building Number: C

Drawing Number: E009

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GENERAL SHEET NOTES

A. PURPOSES. THE SCALE, WHEN INDICATED, IS INTENDED FOR REFERENCE PURPOSES ONLY.

B. ELECTRICAL CONTRACTOR SHALL REMOVE ALL ELECTRICAL ITEMS ASSOCIATED WITH THE WORK INDICATED TO BE REMOVED ON THE ARCHITECTURAL, PLUMBING, MECHANICAL AND FIRE PROTECTION DRAWINGS.

C. ELECTRICAL WORK SHOWN IS BASED ON FIELD OBSERVATIONS AND EXISTING DRAWINGS AND IS PROVIDED TO CONVEY THE GENERAL SCOPE OF DEMOLITION WORK TO BE ACCOMPLISHED. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND OBSERVE EXISTING CONDITIONS PRIOR TO BIDDING.

EXISTING KEYED NOTES

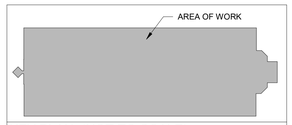
1. ENERGY EFFICIENT TRANSFORMERS AND AUTOMATIC TRANSFER SWITCH ON LEVEL 06 ARE EXISTING TO REMAIN. SEE ENLARGED PLANS FOR LOCATION OF TRANSFORMERS AND ATS.
2. CONTROL PANELS IN ELECTRICAL ROOM 125 ARE EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.
3. TELECOMMUNICATIONS CHANNEL RACK THAT SERVES LEVEL 06 ARE EXISTING TO REMAIN.

DEMOLITION KEYED NOTES

1. ALL PANELBOARDS AND DISCONNECTS HOUSED ON LEVEL 06 SHALL BE DEMOLISHED. PANELBOARD FEEDERS ARE EXISTING TO REMAIN.
2. ALL ELECTRICAL DEVICES AND BRANCH CIRCUITS SUPPLYING THE DEVICES ON LEVEL 06 SHALL BE DEMOLISHED. REMOVE DEVICES AND DEMOLISH WIRE AND CONDUIT BACK TO PANELBOARD. THIS INCLUDES LUMINAIRES, SECURITY, AND COMMUNICATIONS DEVICES.
3. NURSE CALL CONTROL PANEL IN ELECTRICAL ROOM 125 IS TO BE DEMOLISHED. REMOVE PANEL, NURSE CALL DEVICES, AND WIRES BACK TO SOURCE.
4. COMMUNICATIONS WIRE, CONDUIT, AND CABLE TRAY SERVING LEVEL 06 SHALL BE DEMOLISHED. REMOVE BACK TO TELECOMMUNICATIONS RACK.
5. THE OWNER SHALL REMOVE EXISTING ACTIVE ELECTRONICS FROM THE EXISTING TELECOM RACK
6. THE CONTRACTOR SHALL MEET WITH THE OWNERS IT STAFF AND TAG ALL CABLES TO REMAIN IN THE TELECOM ROOM. THE CABLES SHALL BE WRAPPED IN CAUTION TAPE AND TAGGED - DO NOT CUT OR REMOVE - FOR THE DEMOLITION CONTRACTOR.
7. THE CONTRACTOR SHALL CAREFULLY COIL THE EXISTING FIBER AND ENCLOSURE OVERHEAD AND OUT OF THE WAY DURING THE DEMOLITION TIME. THE EXISTING PANEL WILL BE RELOCATED TO THE TOP OF THE EXISTING RACK.
8. ALL FIBER BACKBONE CABLES WILL BE RETESTED AND IF REQUIRED, RETERMINATED.
9. EXISTING RACK AND VERTICAL WIRE MANAGEMENT TO BE SET ASSIDE DURING DEMO AND TO BE RE-INSTALLED AND REUSED. COORDINATE WITH DESIGNER EXACT LOCATION IN THE RENOVATED TELECOM TO INSURE CLEARANCES.
10. EXISTING ACCESS CONTROL PANEL IS INSTALLED BUT NOT OPERATIONAL. CONTRACTOR SHALL RELOCATE THE EXISTING PANEL IN NEW WORK.
11. EXISTING CARD READER AND DOOR HARDWARE ARE EXISTING BUT NOT OPERATIONAL. NOTED CARD READERS SHALL BE ACTIVATED AND CONNECTED TO RELOCATED ACCESS CONTROL PANEL IN NEW WORK.

2 ED100 DEMOLITION - TELECOMMUNICAITONS ROOM
1/4" = 1'-0"

1 ELECTRICAL - LEVEL 06 - DEMOLITION
1/8" = 1'-0"



KEY PLAN: (NOT TO SCALE)

GRAPHIC SCALE
8 0 4 8 16 32
(in Feet)
1 inch = 8 ft.

Revisions:	Date:

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GEORGIA REGISTERED No. 050482 PROFESSIONAL 9/21/23 JOHN C. EDWARDS, JR.

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
ELECTRICAL - LEVEL 06 - DEMOLITION	100% CONSTRUCTION DOCUMENTS	RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: ED100
		Issue Date: 9/21/2023 · Checked: JCE · Drawn: NMG	

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WALL RATING LEGEND

	2 HR FIRE RATED
	1 HR FIRE RATED
	3 HR SMOKE BARRIER
	2 HR SMOKE BARRIER
	1 HR SMOKE BARRIER
	SMOKE PARTITION

NEW WORK GENERAL NOTES

A. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATION OF ALL CEILING FIXTURES.

B. THE DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES. THE SCALE, WHEN INDICATED IS INTENDED FOR REFERENCE PURPOSES ONLY.

C. CONSTRUCTION DEBRIS SHALL BE REMOVED DAILY.

D. COORDINATE LUMINAIRES LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS PRIOR TO INSTALLATION.

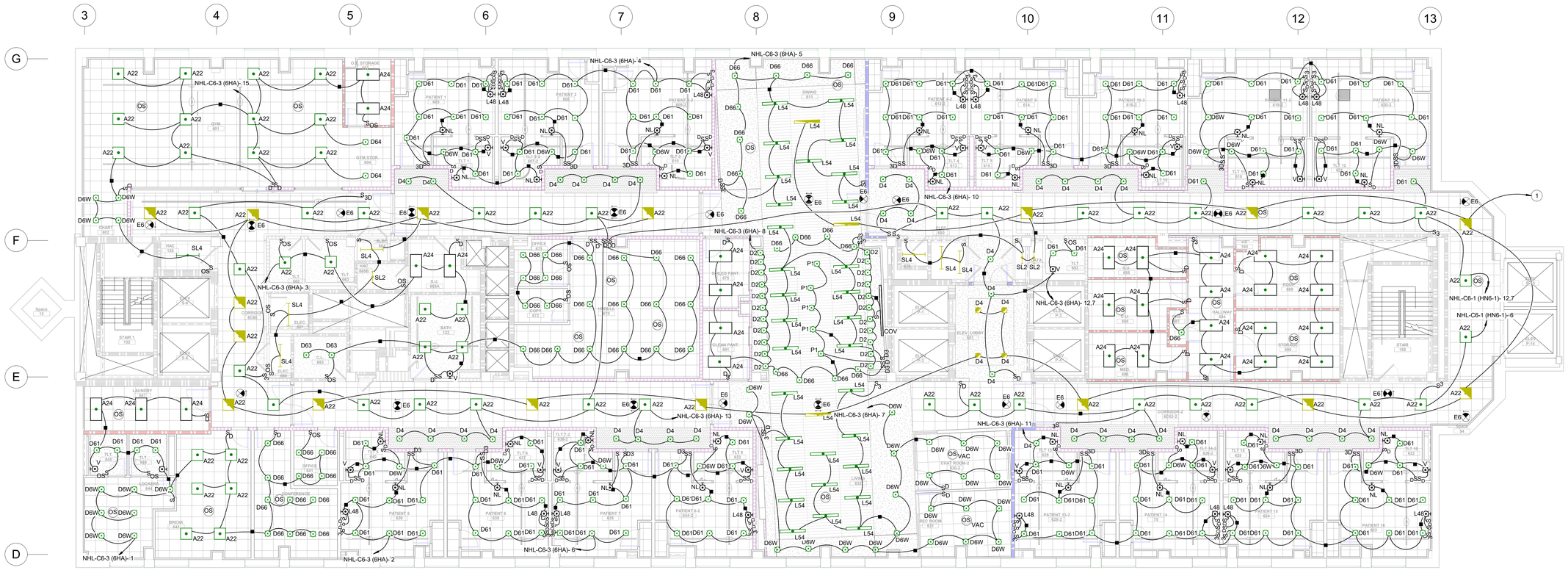
E. CONNECT ALL EMERGENCY EGRESS LUMINAIRES AND EXIT SIGNS AHEAD OF ANY LOCAL SWITCHING AND/OR DIMMERS.

F. REFER TO SHEET E001 FOR SYMBOLS LEGEND.

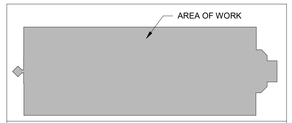
G. TYPE "L48" LUMINARES SHALL BE CONTROLLED BY TWO (2) SWITCHES, ONE FOR READING AND ONE FOR AMBIENT. SWITCH FOR READING SHALL BE CLOSEST TO THE PATIENT BED. MOUNT BOTH SWITCHES CLOSE TO BED AT A HEIGHT APPROVED IN THE FIELD BY THE CONTRACTING OFFICER'S REPRESENTATIVE.

NEW WORK KEYED NOTES

1. LUMINAIRES AND EXIT SIGNS USED FOR EMERGENCY EGRESS SHALL BE CONNECTED TO EMERGENCY BRANCH CIRCUIT 7 FROM PANELBOARD CHL-C6-2.



1 ELECTRICAL - LEVEL 06 - NEW WORK - LIGHTING
1/8" = 1'-0"



KEY PLAN: (NOT TO SCALE)

GRAPHIC SCALE

8 0 4 8 16 32

(in Feet)
1 inch = 8 ft.

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL - LEVEL 06 - NEW WORK - LIGHTING	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: EL100
		Issue Date: 9/21/2023 · Checked: JCE · Drawn: NMG	

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WALL RATING LEGEND

	2 HR FIRE RATED
	1 HR FIRE RATED
	3 HR SMOKE BARRIER
	2 HR SMOKE BARRIER
	1 HR SMOKE BARRIER
	SMOKE PARTITION

EXISTING KEYED NOTES

1. AUTOMATIC TRANSFER SWITCH ATS8-2 IS EXISTING.
2. TRANSFORMER IS EXISTING.
3. EXISTING TRANSFORMER IS SUSPENDED FROM DECK ABOVE.

NEW WORK KEYED NOTES

1. PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR 120V CONNECTION TO VAV CONTROLS FOR VAV 1-1-1V, 1-1-2V, 1-1-3V, AND 1-1-22V.
2. PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR 120V CONNECTION TO VAV CONTROLS FOR VAV 1-1-21C, 1-1-20V, 1-1-19V, AND 1-1-17V.
3. PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR 120V CONNECTION TO VAV CONTROLS FOR VAV 1-1-16V, 1-1-15V, 1-1-14V AND 1-1-18V.
4. PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR 120V CONNECTION TO VAV CONTROLS FOR VAV 1-1-13V, 1-1-12V, 1-2-10V, AND 1-1-11V.
5. PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR 120V CONNECTION TO VAV CONTROLS FOR VAV 1-2-9V, 1-2-11V, 1-2-8V, AND 1-2-7V.
6. PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR 120V CONNECTION TO VAV CONTROLS FOR VAV 1-2-4V, 1-2-5V, 1-2-6V, AND 1-2-3V.
7. PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR 120V CONNECTION TO VAV CONTROLS FOR VAV 1-2-2V, 1-2-1V, 1-1-10V, 1-1-8V AND 1-1-9V.
8. PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR 120V CONNECTION TO FIRE SMOKE DAMPER CONTROLS.
9. PROVIDE MOTOR RATED SWITCH FOR 115V CONNECTION TO RECIRCULATION PUMP. MAKE ALL FINAL CONNECTIONS TO THE EQUIPMENT.
10. PROVIDE INTEGRATED FURNITURE, USB OUTLETS IN ARCHITECTURAL CASEWORK AND FLOOR MOUNTED OUTLET TO POWER THEM. FLOOR MOUNTED OUTLET SHALL BE CONCEALED INSIDE CASEWORK. COORDINATE SELECTION AND FINISHES OF OUTLETS WITH ARCHITECT. COORDINATE ROUTING OF WIRE AND CONDUIT AND LOCATION OF FLOOR MOUNTED OUTLET WITH ARCHITECTURAL ELEVATIONS.
11. PROVIDE 120V CONNECTION TO THE POWER SUPPY OF JERON 790 NURSE CALL SYSTEM.
12. PROVIDE TWO NEMA L21-20A RECEPTACLES FOR DATA ROOM 112.
13. EXISTING ACCESS CONTROL PANEL SHALL BE RELOCATED TO THE LOCATION SHOWN. CONTRACTOR SHALL PROVIDE 120V BRANCH CIRCUIT TO PANEL AS SHOWN IN PLAN.
14. PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR 120V CONNECTION TO CARD READERS. CONNECT TO CIRCUIT 10 IN PANEL ELP-C6-1 (6LXA).
15. PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR 120V CONNCTION TO VAV CONTROLS FOR VAV 1-1-7V, 1-1-6V, 1-1-5V AND 1-1-4V.

NEW WORK GENERAL NOTES

A. THE DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES. THE SCALE, WHEN INDICATED IS INTENDED FOR REFERENCE PURPOSES ONLY.

B. CONSTRUCTION DEBRIS SHALL BE REMOVED DAILY.

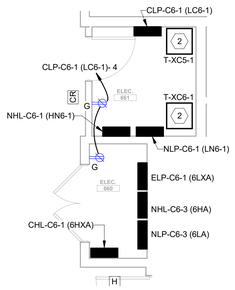
C. COORDINATE LOCATIONS OF HVAC AND/OR PLUMBING EQUIPMENT WITH INSTALLER PRIOR TO EACH ROUGH-IN. MAKE ALL FINAL CONNECTIONS.

D. ELECTRICAL AND FIRE ALARM CONTRACTORS ARE TO PROVIDE CONNECTIONS TO EACH FIRE/SMOKE DAMPER TO PERMIT PROPER OPERATION OF THE DAMPERS IN ALARM AND TEST MODES. FIRE DAMPERS REQUIRE POWER FOR ELECTRICAL RESET. REFER TO PANEL SCHEDULES FOR CIRCUIT NUMBER.

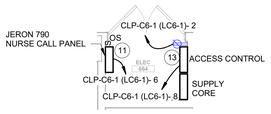
E. FOR SYMBOLS AND GENERAL NOTES, REFER TO DRAWING E001.

F. COORDINATE DEVICE LOCATIONS AND HEIGHT ABOVE FLOOR WITH ARCHITECTURAL DRAWINGS.

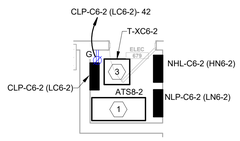
G. LIFT OUTLETS SHALL BE MOUNTED AT 4" BELOW FINISHED CEILING.



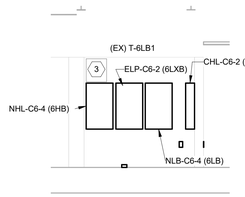
7 ELECTRICAL ROOMS 660 AND 661
1/4" = 1'-0"



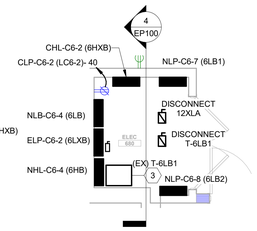
6 ELECTRICAL ROOM 664
1/4" = 1'-0"



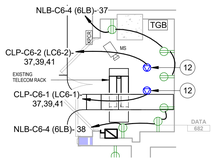
5 ELECTRICAL ROOM 679
1/4" = 1'-0"



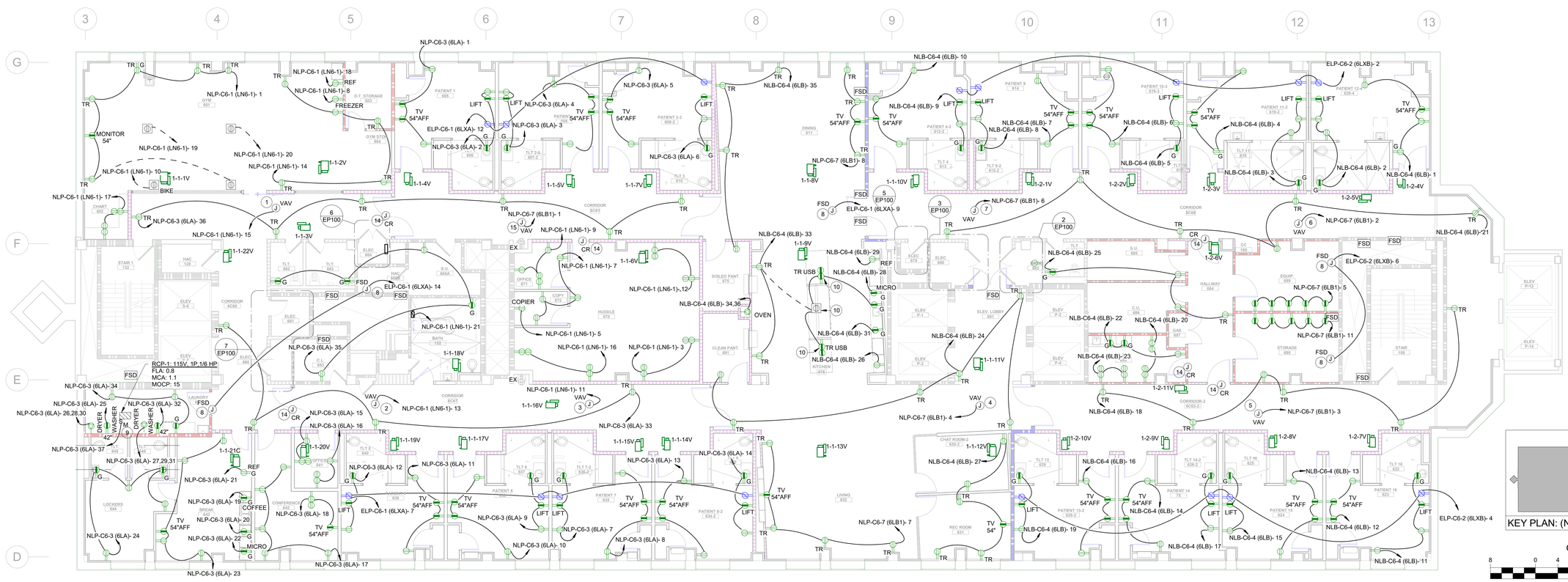
4 SECTION - ELECTRICAL ROOM 680
1/4" = 1'-0"



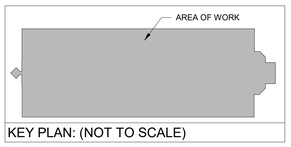
3 ELECTRICAL ROOM 680
1/4" = 1'-0"



2 DATA ROOM 682
1/4" = 1'-0"



1 ELECTRICAL - LEVEL 06 - NEW WORK - POWER
1/8" = 1'-0"



KEY PLAN: (NOT TO SCALE)

GRAPHIC SCALE
8 0 4 8 16 32
(in Feet)
1 inch = 8 ft.

Revisions:	Date:

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CHARLOTTE ENGINEERS

STAMP
STATE OF GEORGIA No. 050482 PROFESSIONAL ENGINEER JOHN C. EDWARDS, JR.

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL - LEVEL 06 - NEW WORK - POWER	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: RENOVATE 6TH FLOOR FOR 16 BED STORT STAY CLC	Project Number: 508-22-105
			Building Number: C
Approved:	FULLY SPRINKLERED	Location: 1670 CLAIRMONT RD, DECATUR, GA	Drawing Number: EP100
		Issue Date: 9/21/2023 · Checked: JCE · Drawn: NMG	

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VA FORM 08 - 6231

WALL RATING LEGEND

	2 HR FIRE RATED
	1 HR FIRE RATED
	3 HR SMOKE BARRIER
	2 HR SMOKE BARRIER
	1 HR SMOKE BARRIER
	SMOKE PARTITION

EXISTING KEYED NOTES

1. EXISTING 42U TELECOMMUNICATIONS RACK.

NEW WORK KEYED NOTES

1. OUTLET INSTALLED IN WALL MOUNTED FURNITURE SYSTEM. WALL PLATE FINISH SHALL BE BLACK OR STAINLESS STEEL TO COORDINATE WITH FURNITURE FINISH.
2. PROVIDE WALL OUTLET FOR WALL MOUNTED PHONE. COORDINATE EXACT LOCATION WITH ARCHITECTURAL PLANS AND SIGNAGE.
3. PROVIDE 2-4" CONDUITS ABOVE ARCHITECTURAL CEILING FOR TELECOMMUNICATIONS WIRING.
4. THE OWNER SHALL REMOVE EXISTING ACTIVE ELECTRONICS FROM THE EXISTING TELECOM RACK
5. CONTRACTOR SHALL PROVIDE FIRE RATED PATHWAY WITH THREE (3) - 4" OPENING FOR PASSAGE OF CABLING THROUGH RATED WALL.
6. PROVIDE NEW FIBER OPTIC CABLE FROM ROOM 2C271 FOR CONNECTION TO THE NEW JERON 790 NURSE CALL SYSTEM. USE EXISTING LAN SWITCH PROVIDED FOR FUTURE USE. CONNECT GATEWAY FOR LEVEL 06 TO THE EXISTING NURSE CALL NURSE CALL GATEWAYS ON LEVEL 08 AND LEVEL 09 FOR REMOTE SURVIVABILITY.
7. EXISTING ACCESS CONTROL PANELS SHALL BE RELOCATED TO THE LOCATION SHOWN. CONTRACTOR SHALL PROVIDE ALL WIRING AND INTEGRATION TO MAKE SYSTEM WHOLE AND FUNCTIONAL.
8. CONNECT EXISTING CARD READER TO ACCESS CONTROL PANEL. SPLICE AND EXTEND AS REQUIRED.

NEW WORK GENERAL NOTES

A. REFER TO SHEET E002 FOR SPECIAL SYSTEMS SYMBOLS, SCHEDULES AND NOTES.

B. THE EXIT POINT OF ALL CONDUIT/SLEEVES POSITIONED HORIZONTALLY MUST BE FITTED WITH A CONDUIT WATERFALL TYPE SUPPORT SYSTEM SUCH AS THE PANDUIT CWF 400, OR APPROVED EQUIVALENT, TO CONTROL THE BEND RADIUS OF THE COMMUNICATION CABLE TO A MINIMUM OF A 4" RADIUS.

C. ALL OUTLET LOCATIONS ARE IN APPROXIMATE POSITIONS. THE EXACT LOCATIONS SHALL BE DETERMINED BY PROVIDED BOX LOCATIONS AND FIELD CONDITIONS. ALL LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO ROUGH IN.

D. AN INDEPENDENT SUPPORT SUBSYSTEM FASTENED TO STRUCTURAL STEEL SHALL BE CREATED FOR THE STRUCTURED CABLING SYSTEM. CABLING SHALL BE SUPPORTED EVERY FOUR (4) TO FIVE (5) FEET WHEN EXITING BOTH HORIZONTAL AND VERTICAL RACEWAYS.

E. ALL THRU WALL OR THRU FLOOR PENETRATIONS AS WELL AS ANY CONDUIT PATHWAYS USED FOR THE STRUCTURED CABLING SYSTEM SHALL BE EITHER RETURNED TO THEIR NORMAL ORIGINAL INTEGRITY, IF THAT ORIGINAL CONDITION WAS DEFICIENT, IT SHALL BE BROUGHT UP TO STANDARDS, OR SHALL BE MADE WHOLE BY USE OF AN APPROPRIATE FIRE-RATED SYSTEM. ALL TELECOMMUNICATIONS SLEEVES FOR THIS PROJECT SHALL BE FIRE STOPPED. ALL EXTERIOR ENTRANCE CONDUITS SHALL BE PLUGGED WITH A WATER PROOF PLUG.

F. ALL OUTLET LOCATIONS SHALL BE IDENTIFIED WITH A TIA/EIA 606-A COMPLIANT LABELING SYSTEM. LABELING CONVENTIONS SHALL BE APPROVED BY THE OWNER PRIOR TO ORDERING LABELS. PROVIDE A LAMINATED 30" X 42" AS-BUILT DOCUMENT SHOWING ALL LABELS AT EACH OUTLET. THE DOCUMENT SHALL BE FRAMED AND POSTED IN THE TELECOM ROOM.

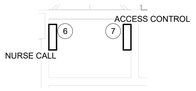
G. ALL DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL PROVIDE COORDINATION DOCUMENTS IN ACCORDANCE WITH THE SPECIFICATIONS. ADDITIONAL TRANSITIONS REQUIRED DUE TO FIELD CONDITIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

H. ELECTRICAL DEVICES PROVIDED IN DIVISION 26 ARE SHOWN FOR COORDINATION PURPOSES ONLY.

I. A PROPOSED CABLE TRAY ROUTING IS SHOWN TO ILLUSTRATE A FEASIBLE ROUTE BASED ON KNOWN OBSTACLES AND HAS BEEN COORDINATED WITH OTHER DISCIPLINES. CONTRACTOR SHALL SHALL PROVIDE AS-BUILT, BIM COORDINATED DRAWINGS TO BE DISCUSSED AT THE "IT" PRESUBMITTAL MEETING. ROUTING SHALL BE COORDINATED IN FIELD WITH OTHER TRADES.

NOTE

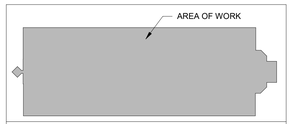
AN "IT" PRE-SUBMITTAL MEETING WILL BE REQUIRED PRIOR TO SUBMITTAL REVIEW WITH VA "IT" REPRESENTATIVE AND AE. CONTRACTOR TO COORDINATE WITH CONTRACTING OFFICER'S REPRESENTATIVE 14 DAYS PRIOR TO MEETING.



3 ES100 SPECIAL SYSTEMS - ELEC ROOM 664
1/4" = 1'-0"

2 ES100 SPECIAL SYSTEMS - DATA 682
1/4" = 1'-0"

1 ELECTRICAL - LEVEL 06 - NEW WORK - SPECIAL SYSTEMS
1/8" = 1'-0"



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STAMP

SEALED No. 050482 PROFESSIONAL ENGINEER JOHN C. EDWARDS, JR.

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

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