VA Medical Center
Business Office Renovation

800 Irving Ave, Syracuse, NY 13210

CLIENT: VAMC

VA PROJECT #: 528A7-14-701

OWNER:

SYRACUSE VA MEDICAL CENTER
800 IRVING AVENUE
SYRACUSE, NY 13210

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DRAWING LIST

GENERAL DRAWINGS

G-001	PROJECT TITLE SHEET
GI101	PHASING PLAN
GI102	PHASING PLAN

HAZARDOUS MATERIALS DRAWINGS

HA101	ASBESTOS ABATEMENT PLAN

ARCHITECTURAL DRAWINGS

A-001	CODE COMPLIANCE PLANS
A-101	DEMOLITION PLANS
A-102	DEMOLITION PLANS
A-111	FLOOR PLANS
A-112	FLOOR PLANS
A-130	REFLECTED CEILING PLANS
A-131	REFLECTED CEILING PLANS
A-140	FLOOR FINISH PLANS
A-141	FLOOR FINISH PLANS
A-420	INTERIOR ELEVATIONS & DETAILS
A-421	ENLARGED PLANS & CASEWORK DETAILS
A-601	DOOR & FINISH SCHEDULES, DOOR & FRAME ELEVATIONS & DETAILS

HVAC DRAWINGS

M-001	MECHANICAL GENERAL NOTES AND LEGEND
MD101	MECHANICAL DEMOLITION PLAN
MD102	MECHANICAL DEMOLITION PLAN
MH101	MECHANICAL CEILING PLANS
MH102	MECHANICAL CEILING PLANS
MH103	HVAC DUCTWORK PLANS
MH104	HVAC DUCTWORK PLANS
MH105	MECHANICAL HYDRONIC PLANS
MH106	MECHANICAL HYDRONIC PLANS
MH601	MECHANICAL SCHEDULES AND DETAILS
MH602	MECHANICAL SCHEDULES AND DETAILS
MH603	MECHANICAL DIAGRAM AND DETAILS

PLUMBING DRAWINGS

P-001	PLUMBING LEGEND & NOTES
PD101	GROUND FLOOR & FIRST FLOOR PLUMBING DEMOLITION PLAN
PD601	PLUMBING DEMOLITION SCHEMATICS

FIRE PROTECTION DRAWINGS

F-001	FIRE PROTECTION LEGEND & NOTES
FD101	FIRE PROTECTION DEMOLITION PLAN
FD102	FIRE PROTECTION DEMOLITION PLAN
FA101	FIRE ALARM PLAN
FA102	FIRE ALARM PLAN
FS101	FIRE SPRINKLER PLAN
FS102	FIRE SPRINKLER PLAN
FZ101	FIRE PROTECTION, FIRE SYSTEM ZONE PLAN
FZ102	FIRE PROTECTION FIRE AND SMOKE BARRIER PLAN
FZ103	FIRE PROTECTION FIRE AND SMOKE BARRIER PLAN

ELECTRICAL DRAWINGS

E-001	ELECTRICAL GENERAL NOTES AND LEGEND
E-601	ELECTRICAL SCHEDULES
E-602	ELECTRICAL SCHEDULES
ED101	ELECTRICAL DEMOLITION PLAN
ED102	ELECTRICAL DEMOLITION PLAN
EL101	REFLECTED CEILING LIGHTING PLAN
EL102	REFLECTED CEILING LIGHTING PLAN
EP101	ELECTRICAL POWER PLAN
EP102	ELECTRICAL POWER PLAN

COMMUNICATION DRAWINGS

T-001	COMMUNICATIONS, DATA, & SECURITY GENERAL NOTES AND LEGEND
TD101	COMMUNICATIONS, DATA, & SECURITY DEMOLITION PLAN
TD102	COMMUNICATIONS, DATA, & SECURITY DEMOLITION PLAN
TN101	COMMUNICATIONS, DATA, & SECURITY PLAN
TN102	COMMUNICATIONS, DATA, & SECURITY PLAN
TN501	ELECTRONIC ACCESS CONTROL WIRING DIAGRAM

GENERAL NOTES:

1. ALL GENERAL NOTES PERTAIN TO ALL ARCHITECTURAL (A-SERIES) DRAWINGS IN THIS SET.
2. PROVIDE CONCEALED STEEL STUD BLOCKING OR 2" x 16 GA CONTINUOUS STEEL STRAPPING ATTACHED TO FACE OF STUDS BEHIND ALL WALL MOUNTED ITEMS SUCH AS WALL CABINETS SHELVING, COAT RODS, GRAB BARS, HANDRAILS. TOILET ACCESSORIES AND ETC. SEE INTERIOR ELEVATIONS & FURNITURE PLANS FOR ADDITIONAL INFORMATION AND SCOPE.
3. FLOOR FINISH TRANSITIONS/ CHANGES SHALL OCCUR BELOW THE DOOR.
4. DIMENSIONS LOCATING INTERIOR PARTITIONS ARE TO THE FACE OF WALL (EXCLUDING FINISH MATERIALS SUCH AS NOT LIMITED TO CERAMIC TILE & WOOD PANELING) UNLESS NOTED OTHERWISE. SEE PARTITION SCHEDULE FOR WALL THICKNESS.
5. ALL EXISTING DIMENSIONS ARE APPROXIMATE AND FOR CONTRACTORS VERIFICATIONS. IF DESCREPANCIES ARISE, NOTIFY THE ARCHITECT (AND/ OR CONSTRUCTION MANAGER) PRIOR TO PROCEEDING WITH THE WORK THAT MAY BE EFFECTED BY THE DIMENSION CHANGE.
6. EVERY ATTEMPT HAS BEEN MADE TO INDICATE PERTINENT EXISTING UTILITIES AND CONDITIONS AS ACCURATELY AS POSSIBLE FROM EXISTING SURVEYS, DRAWINGS AND OTHER DATA. PRIOR TO THE BID OPENING, CONTRACTORS SHALL WALK THE JOB SITE AND SATISFY THEMSELVES TO EXISTING CONDITIONS. THE ARCHITECT SHALL BE CONSULTED WHEN ANY QUESTION ARISES RELATIVE TO MATERIALS NOT SPECIFICALLY SHOWN OR SPECIFIED.
7. ALL EXISTING WORK (CEILINGS, FLOORS, WALLS, PARTITIONS, FINISHES ETC.) DISTURBED BY NEW CONSTRUCTION , INCLUDING MECHANICAL, PLUMBING AND ELECTRICAL, SHALL BE PATCHED AND REPAIRED TO RESTORE SURFACES TO THE ORIGINAL CONDITION AFTER INSTALLATION OF OTHER WORK.
8. PENETRATIONS THROUGH FIRE RESISTANT CONSTRUCTION SHALL BE BUILT IN ACCORDANCE WITH U.L. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS. SEE CODE COMPLIANCE PLAN FOR PARTITION LOCATIONS. PENETRATIONS THROUGH NON-FIRE RESISTANT RATED HORIZONTAL ASSEMBLIES, NOT PROTECTED BY A SHAFT ENCLOSURE, SHALL HAVE ITS ANNULAR SPACE FILLED WITH NON-COMBUSTIBLE MATERIAL TO PREVENT THE PASSAGE OF FLAME, SMOKE FUMES AND HOT GASES. NON-COMBUSTIBLE PENETRATING ITEMS SHALL NOT PENETRATE MORE THAN 3 FLOOR ASSEMBLIES. COMBUSTIBLE PENETRATING ITEMS SHALL NOT PENETRATE MORE THAN 1 FLOOR ASSEMBLY.
9. CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING, PATCHING AND FINISH WORK AS REQUIRED TO FACILITATE IT'S OWN WORK. PATCHING AND FINISH WORK IS THE REPAIR WORK REQUIRED TO RESTORE SURFACES TO THE ORIGINAL CONDITION AND/OR MATCHING THE ADJACENT SURFACES. FOR CONDITIONS WHEN THE FINISH WORK IS SPECIFICALLY INDICATED ON THE ARCHITECTURAL DRAWINGS, THE CONTRACTOR SHALL COORDINATE THE PATCHWORK REQUIREMENTS TO PROVIDE SURFACES READY TO RECEIVE THESE FINISHES.
10. ALL WORK TO BE COMPLETED DURING 2ND & 3RD SHIFTS STARTING AT 5PM. ALL WORK WILL CEASE AND ALL AFFECTED AREAS SHALL BE CLEANED PRIOR TO 5AM THE FOLLOWING MORNING.

DRAWING SYMBOLS

- VIEW TITLE — DETAIL NO.; X; TITLE; SCALE: X"=1'-0"
- EXTERIOR ELEVATION — ELEVATION NO.; X; A-XXX; DRAWING NO.
- BUILDING/WALL SECTION CUT — DETAIL NO.; VIEWING DIRECTION; X; A-XXX; DRAWING NO.
- INTERIOR ELEVATIONS — ELEVATION NO.; 1; 2; A-XXX; 4; 3; DRAWING NO.
- DETAIL SECTION CUT — DETAIL NO.; VIEWING DIRECTION; X; A-XXX; DRAWING NO.
- STRUCTURAL GRID — 1; 2; A; B
- DETAIL-BLOW UP — DETAIL NO.; X; A-XXX; DRAWING NO.
- 001 OR 100 A — DOOR NUMBERS
- 001 — WINDOW TYPES
- 101 — ROOM NUMBER
- 1 — REVISION
- C12 OR C12 A — PARTITION TYPE
- 1 — PLAN KEY NOTE
- 1 — DEMOLITION KEY NOTE
- 1; 8'-0" AFF — CEILING TYPE AND HEIGHT
- S — SMOKE BARRIER
- 2-HOUR FIRE BARRIER

MATERIAL SYMBOLS

UNDISTURBED EARTH	STEEL-LARGE-SCALE (Other metals as noted)	BATT INSULATION
GRAVEL OR CRUSHED STONE	STEEL-SMALL-SCALE (Other metals as noted)	RIGID INSULATION
STONE	WOOD FRAMING (CONTINUOUS)	WOOD BLOCKING(INTERMITTENT)
CONCRETE	FINISH WOOD	
CONCRETE MASONRY UNIT	PLYWOOD	
BRICK	GYPSUM, SAND, MORTAR	

LIST OF ARCHITECTURAL ABBREVIATIONS

AB	ANCHOR BOLT
A/C	AIR CONDITION(ING) (ED)
ACC	ACCESSIBLE
ACCU	AIR COOLED CONDENSING UNIT
ACI	AMERICAN CONCRETE INSTITUTE
ACT	ACOUSTICAL CEILING TILE
ACM	ASBESTOS CONTAINING MATERIAL
ACOUS PNL	ACOUSTICAL PANEL
ACS PNL	ACCESS PANEL
ADDL	ADDITIONAL
ADJ	ADJUSTABLE, ADJACENT
ADH	ADHESIVE
AFF	ABOVE FINISHED FLOOR
AGGR	AGGREGATE
AHU	AIR HANDLING UNIT
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
ARD	AUXILLARY ROOF DRAIN
ASD	ALLOWABLE STRESS DESIGN
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWP	ACOUSTICAL WALL PANEL
AWS	AMERICAN WELDING SOCIETY
BAT	BATTEN
B/B	BACK TO BACK
B BD	BASE BOARD
BCNYS	BUILDING CODE OF NEW YORK STATE
BITUM	BITUMINOUS
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM, BENCHMARK
BOT	BOTTOM
BR	BEDROOM
BRG	BEARING
BRZ	BRONZE
BSMT	BASEMENT
BTWN	BETWEEN
BUR	BUILT UP ROOFING
BW	BOTH WAYS
CCTV	CLOSED CIRCUIT TELEVISION
CAB	CABINET
CB	CATCH BASIN, CORNER BEAD
CH BD	CHALKBOARD
CEM	CEMENT
CF	CONTRACTOR FURNISHED
CFMF	COLD-FORMED METAL FRAMING
CF/CI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED/ OWNER INSTALLED
CG	CORNER GUARD
CH	COAT HOOK
CI	CAST IRON
CIP	CAST IN PLACE, CAST IRON PIPE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR, COLOR
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CLEANOUT, CASED OPENING, COMPANY
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONN	CONNECT(ION)
CONSTR	CONSTRUCTION
CONT	CONTINUE(OUS)
CONTR	CONTRACT(OR)
COORD	COORDINATE
CPT	CARPET
CSJ	CONSTRUCTION JOINT
CSK	COUNTER SUNK
CT	CERAMIC TILE, COUNT, CURRENT TRANSFORMER
CTR	CENTER
CW	COLD WATER PIPING, CASEMENT WINDOW
CU	CUBIC
CUH	CABINET UNIT HEATER
CU YD	CUBIC YARD
D	DEEP, DEPTH
D	PENNY (NAIL)
db	BAR DIAMETER
DBL	DOUBLE
DEFS	DIRECT-APPLIED EXTERIOR FINISH SYSTEM
DEG	DEGREE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA OR ø	DIAMETER
DIAG	DIAGONAL, DIAGRAM
DIM	DIMENSION
DIFF	DIFFUSER
DIR	DIRECTION
DISP	DISPENSER
DIV	DIVISION
DMPF	DAMP PROOFING
DL	DEAD LOAD
DN	DOWN
DO	DITTO
DR	DOOR, DRIVE
DS	DOWNSPOUT
DW	DISHWASHER
DWV	DRAINAGE WASTE & VENT
DWG	DRAWING
DWL	DOWEL
E	EAST
EA	EACH
EBCNYS	EXISTING BUILDING CODE OF NEW YORK STATE
EC	ELECTRICAL CONTRACTOR
EF	EACH FACE
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
ELAS	ELASTOMERIC
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EM	ENTRY MAT, EXPANDED METAL
EMER	EMERGENCY
ENCL	ENCLOSURE
ENGR	ENGINEER
EOS	EDGE OF SLAB
EP	ELECTRIC PANEL
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EMERGENCY SHOWER
ETC	ET CETERA
ETR	EXISTING TO REMAIN
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXC	EXCAVATION, EXCAVATE
EXP	EXPAND, EXPANSION
EXT	EXTERIOR, EXTERNAL, EXTINGUISHER
F/F	FACE TO FACE
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FD	FLOOR DRAIN
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FIN	FINISH(ED)
FIXT	FIXTURE
FLASH	FLASHING
FLEX	FLEXIBLE
FLOUR	FLUORESCENT
FLG	FLOORING, FLANGE
FO	FINISHED OPENING
FP	FIRE PROTECTION, FIREPROOF
FRTW	FIRE RETARDANT TREATED WOOD
FT	FOOT, FEET
FTG	FOOTING
FTR	FINNED TUBE RADIATION
FURN	FURNACE, FURNITURE, FURNISH
FUT	FUTURE
FWC	FABRIC WALL COVERING
GA	GAGE
GAL	GALLON
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACT(OR)
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GL	GLASS, GROUND LEVEL
GL BLK	GLASS BLOCK
GLU LAM	GLUED LAMINATED BEAM
GR	GRADE, GROSS
GWT	GLAZED WALL TILE
GYP	GYPSUM
GYP BD	GYPSUM BOARD
GYP PLAS	GYPSUM PLASTER
HB	HOSE BIBB
HC	HOLLOW CORE, HOSE CABINET
HCP	HANDICAPPED
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HO	HOLD OPEN
HORIZ	HORIZONTAL
HP	HIGH POINT, HORSEPOWER
HR	HOUR
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HW	HOT WATER
HYD	HYDRANT
ID	INSIDE DIAMETER
IN	INCHES
INCL	INCLUDED
INCAND	INCANDESCENT
INFO	INFORMATION
INSUL	INSULATION
INTERM	INTERMEDIATE
INT	INTERIOR
JAN	JANITOR
JST	JOIST
JT	JOINT
KIP	1000 POUNDS
KIT	KITCHEN
KO	KNOCKOUT
KPL	KICK PLATE
L	LITER, ANGLE
LAM	LAMINATE(D)
LAU	LAUNDRY
LAV	LAVATORY
LB	POUND
LBL	LABEL
LD	LOAD
LF	LINEAR FEET (FOOT)
LH	LEFT HAND, LATENT HEAT
LIN	LINEAR
LKR	LOCKER
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCATION
LRFD	LOAD & RESISTANCE FACTOR DESIGN
LT	LIGHT
LTG	LIGHTING
LWC	LIGHT-WEIGHT CONCRETE
MACH	MACHINE
MAINT	MAINTENANCE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MCB	METAL CORNER BEAD
MDO	MEDIUM DENSITY OVERLAY
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MM	MILLIMETER
MIFRC	MATIC/INTUMESCENT FIRE-RESISTIVE COATING
MIN	MINIMUM
MISC	MISCELLANEOUS
MLWK	MILLWORK
MO	MASONRY OPENING
MRK BD	MARKER BOARD
MTD	MOUNTED
MTL	METAL
MULL	MULLION
N	NORTH
NAT	NATURAL
NCOMBL	NONCOMBUSTIBLE
NIC	NOT IN CONTRACT
NO OR #	NUMBER
NOM	NOMINAL
NORM	NORMAL
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
NWC	NORMAL WEIGHT CONCRETE
O/O	OUT TO OUT
OA	OVERALL, OUTSIDE AIR
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF/CI	OWNER FURNISHED, CONTACTOR INSTALLED
OF/OI	OWNER FURNISHED, OWNER INSTALLED
OFD	OVERFLOW DRAIN
OFF	OFFICE
OH	OPPOSITE HAND
OH DR	OVERHEAD (COILING) DOOR
OPNG	OPENING
OPP	OPPOSITE
OPT	OPTIONAL, OPTIMUM
OZ	OUNCE
PA	PUBLIC ADDRESS
PBD	PARTICLEBOARD
PC	PLUMBING CONTRACTOR, PORTLAND CEMENT
PCC	PRECAST CONCRETE
PCT	PORCELAIN CERAMIC TILE
PED	PEDESTAL
PEND	PENDANT
PER	PERIOD
PERF	PERFORATED
PGBD	PEG BOARD
PL	PLATE, PROPERTY LINE
PLF	PONDS PER LINEAR FOOT
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLB	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
POL	POLISHED
PORC	PORCELAIN
POS	POSITIVE, POSITION
PPT	PRESSURE-PRESERVATIVE TREATED
PR	PAIR
PREFAB	PREFABRICATE
PREFIN	PREFINISH
PREP	PREPARATION
PROJ	PROJECT
PROJ SCRN	PROJECTION SCREEN
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT, POST TENSION
PTN	PARTITION
PVC	POLYVINYL CHLORIDE (PLASTIC)
PVG	PAVING
QT	QUARRY TILE
QTR	QUARTER
QTY	QUANTITY
R	RISER, RADIUS, THERMAL RESISTANCE
RB	RUBBER BASE, RESILIENT BASE
RCP	REINFORCED CONCRETE PIPE, REFLECTED CEILING PLAN
RD	ROOF DRAIN, ROAD
REC	RECESSED
REF	REFRIGERATOR
REFL	REFLECT
REG	REGISTER, REGULATION
REINF	REINFORCED
REQD	REQUIRED
RESIL	RESILIENT
REV	REVISION
RF	RESILIENT FLOORING
RFG	ROOFING
RH	RIGHT HAND, ROOF HATCH
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RTU	ROOF TOP UNIT
RV	ROOF VENT
RWB	RUBBER WALL BASE
S	SOUTH
SAB	SOUND ATTENUATION BATTS
SAN	SANITARY
SC	SOLID CORE, SHADING COEFFICIENT
SCHED	SCHEDULE
SEAL	SEALER ON FLOOR (FINISH)
SECT	SECTION
SF	SQUARE FOOT, SAFETY FACTOR
SFRM	SPRAYED FIRE-RESISTIVE MATERIAL
SGT	STRUCTURAL GLAZED TILE
SHT	SHEET
SHR	SHOWER
SIM	SIMILAR
SOG	SLAB ON GRADE
SP	STANDPIPE, SUMP PIT
SPA	SPACES
SPKR	SPEAKER
SPEC	SPECIFICATION
SQ	SQUARE
SRD	SECONDARY ROOF DRAIN
SS	SERVICE SINK
SSM	SOLID SURFACE MATERIAL
SSP	STAINLESS STEEL PIPE
SST	STAINLESS STEEL
STA	STATION
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STOR	STORAGE
STR	STRAIGHT, STRINGERS
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SV	SHEET VINYL
SY	SQUARE YARD
T	TREAD
T/	TOP OF
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TEL	TELEPHONE
THRES	THRESHOLD
TEMP	TEMPORARY
TER	TERRAZZO
THK	THICK(NESS)
TK BD	TACK BOARD
TMPD	TEMPERED
TOC	TOP OF CONCRETE
TOM	TOP OF MASONRY
TOPO	TOPOGRAPHY, TOPOGRAPHIC
TOS	TOP OF STEEL
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TSTAT	THERMOSTAT
TV	TELEVISION
TYP	TYPICAL
U	HEAT TRANSFER COEFFICIENT
UC	UNDERCUT
UCL	UNDER CABINET LIGHTING
UGND	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITER'S LABORATORIES
UNEX	UNEXCAVATED
UNFIN	UNFINISHED
UON	UNLESS OTHERWISE NOTED
UTIL	UTILITY
UV	UNIT VENTILATOR
VARN	VARNISH(ED)
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VENT	VENTILATION
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VIN	VINYL
VOL	VOLUME
VR	VAPOR RETARDER
VT	VINYL TILE
V SHT	VINYL SHEET
VWC	VINYL WALL COVERING
W	WEST
W/	WITH
WC	WATER CLOSET, WALL COVERING
W/O	WITHOUT
WD	WOOD
WDW	WINDOW
WF	WIDE FLANGE
WD GD	WOOD GUARD
WH	WATER HEATER
WI	WROUGHT IRON
WM	WIRE MESH
WP	WATERPROOFING, WORKING POINT
WR	WATER REPELLENT, WEATHER RESISTANT
W RECPT	WASTE RECEPTACLE
WSCT	WAINSCOT
WT	WEIGHT, WATERTIGHT, WATER TABLE
WWF	WELDED WIRE FABRIC
X	BY
YD	YARD

FULLY SPRINKLERED

CONSTRUCTION DOCUMENT

No.	Description	Date

VA FORM 08-6231. Oct 1978 REVISIONS

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Drawing Title: PROJECT TITLE SHEET

Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Location: 800 Irving Ave, Syracuse, NY

Date: 10/01/2015 | Checked: FJK | Drawn: IPV

Project Number: 528A7-14-701

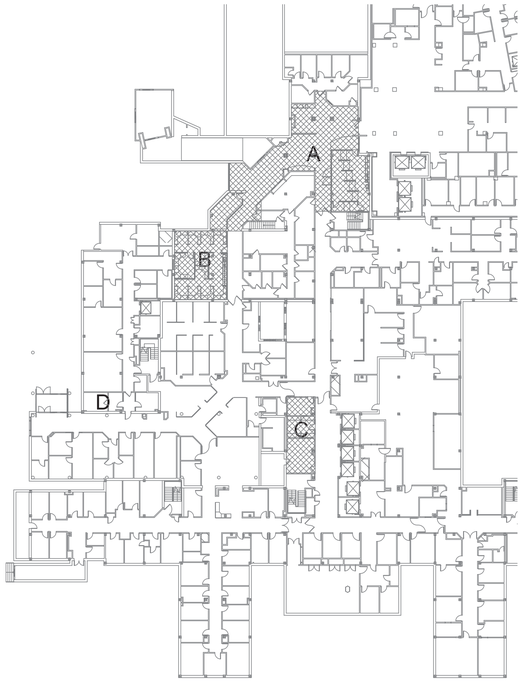
Building Number: 1

Drawing Number: G-001

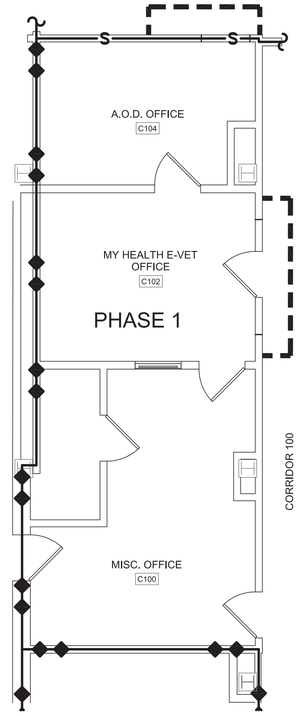
Dwg 1 of 56

REGISTERED ARCHITECT THOMAS R. GEARS STATE OF NEW YORK 021472

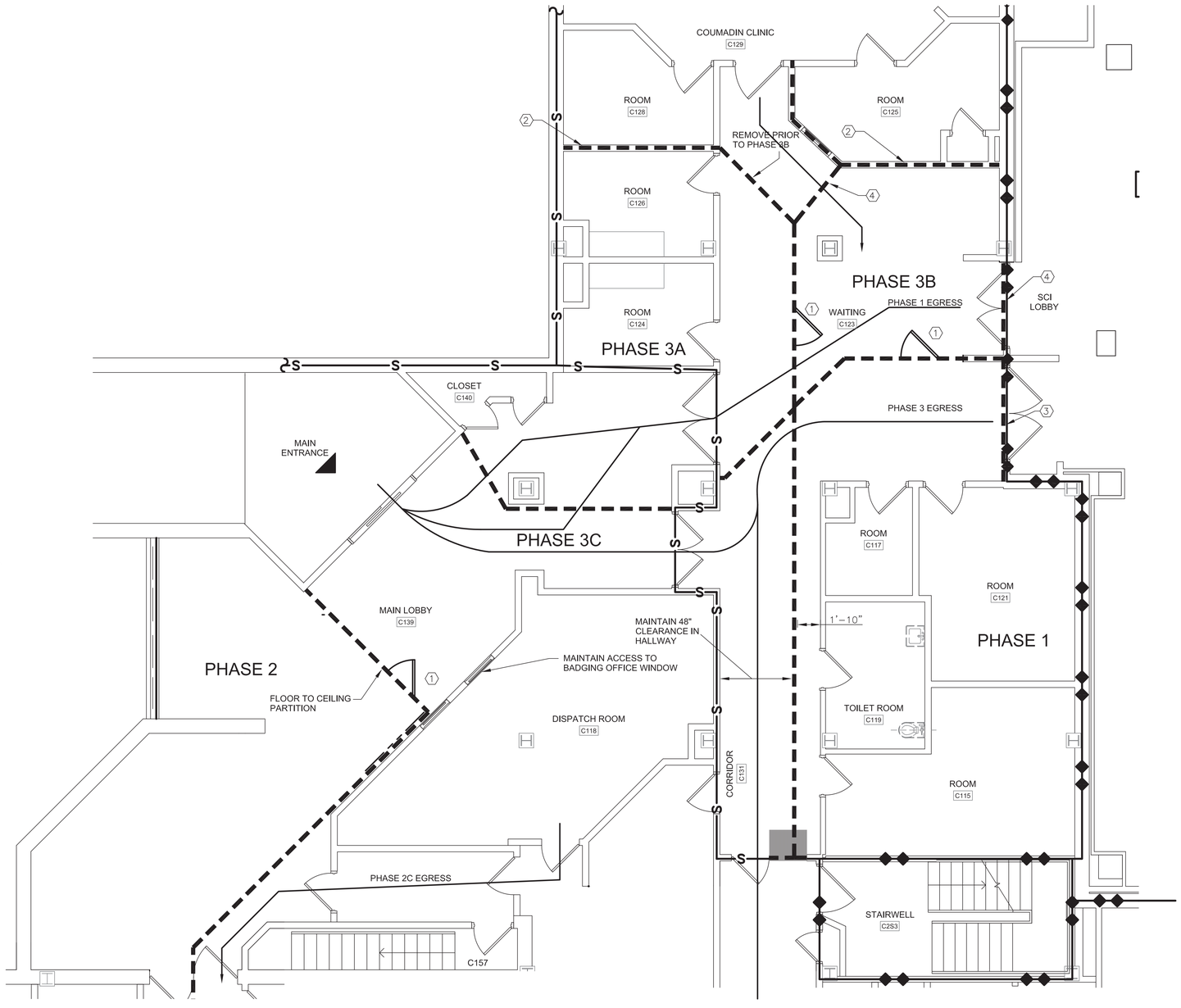
Department of Veterans Affairs



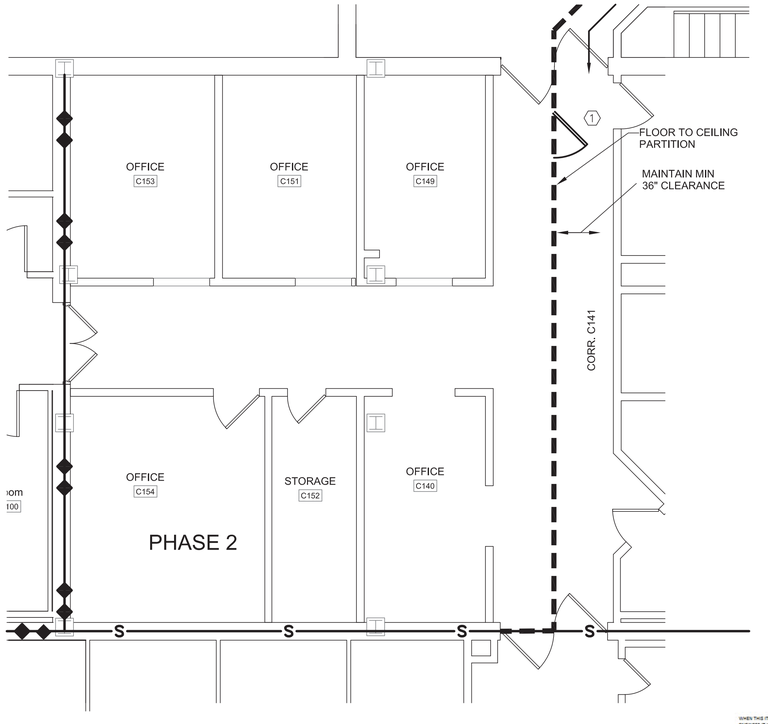
4 KEY PLAN
1/32" = 1'-0"



3 1ST FLOOR PHASING PLAN - AREA 'C'
SCALE: 1/4" = 1'-0"



1 1ST FLOOR PHASING PLAN - AREA 'A'
SCALE: 1/4" = 1'-0"



2 1ST FLOOR PHASING PLAN - AREA 'B'
SCALE: 1/4" = 1'-0"

- - - - - TEMPORARY WALL PARTITIONS

KEYED NOTES

1. COORDINATE EGRESS DOOR LOCATION WITH COR FROM ALL CONSTRUCTION A AREAS.
2. SEAL WALL PARTITION ABOVE CEILING TO PREVENT CROSS CONTAMINATION.
3. FOR PHASE 1 ONLY
4. FOR PHASE 3B ONLY

WHEN THIS ITEM IS STAMPED BY A LICENSED PROFESSIONAL ENGINEER IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW TITLE VIII ARTICLE 145 SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER TO ALTER THE ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS ALTERED THE ALTERING ENGINEER SHALL COMPLY WITH NEW YORK STATE EDUCATION LAW.

FULLY SPRINKLERED

CONSTRUCTION DOCUMENT

No.	Description	Date
	REVISIONS	

CONSULTANTS:

STAMP

STATE OF NEW YORK · ROBERT JOHN RUNGE · No. 085105-1 · LICENSED PROFESSIONAL ENGINEER

ARCHITECTS/ENGINEERS:

RJR ENGINEERING, P.C.
www.rjpc.com
PROFESSIONAL ENGINEERS
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Springville, New York 14141-0344
RJR Project #14036

SWBR ARCHITECTS
309 South Franklin Street Syracuse, NY 13202
Voice: 315.488.5635 www.swbr.com
SWBR Project #14310

Drawing Title: PHASING PLAN

Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Location: 800 Irving Avenue Syracuse, NY 13210

Date: 12/02/15 | Checked: JTA | Drawn: CGR

Project Number: 528A7-14-701

Building Number: 1

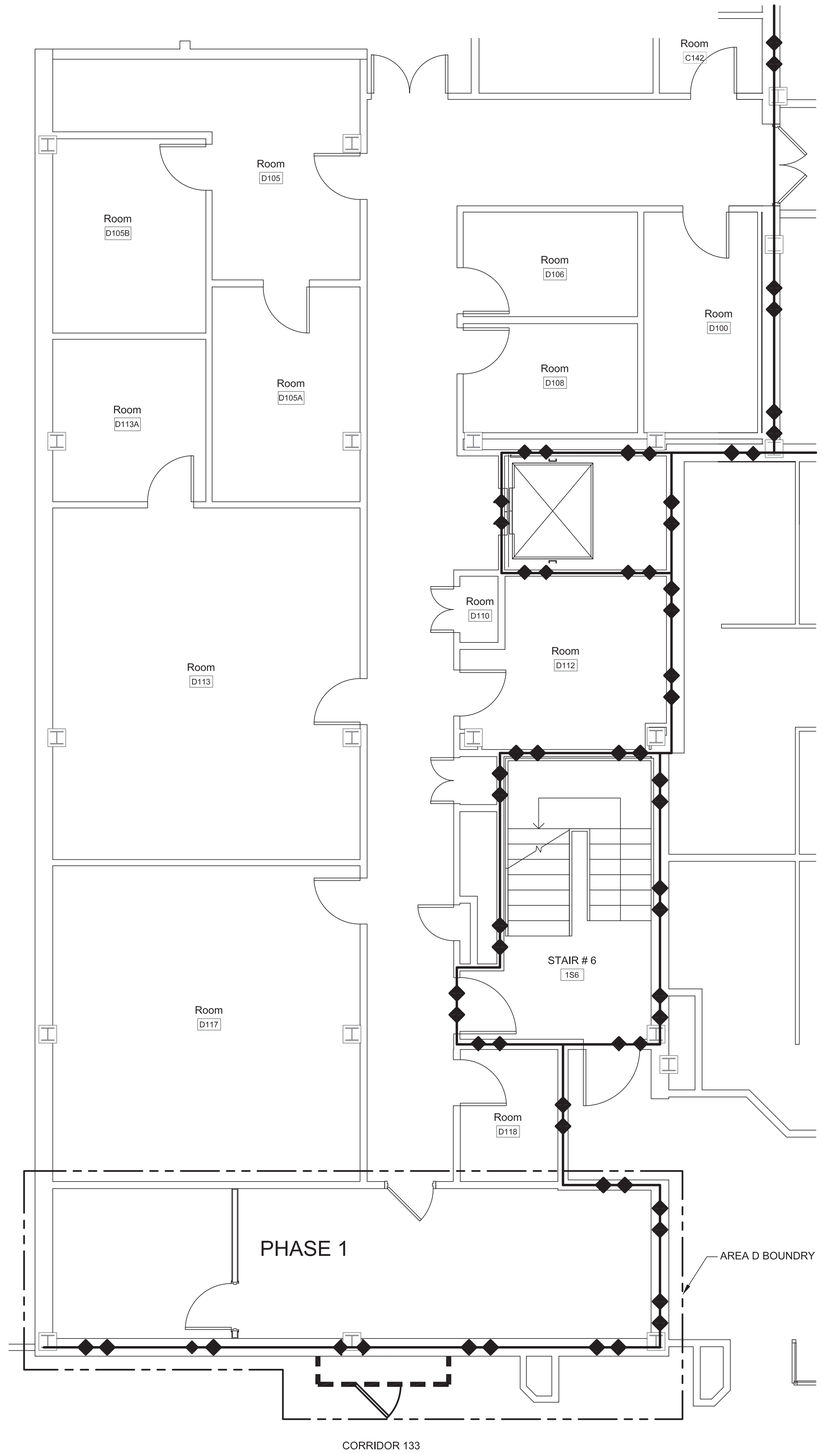
Drawing Number: GI101

Dwg 2 of 56

Department of Veterans Affairs

VA FORM 08-6231, Oct 1978

2 KEY PLAN
SCALE: 1/32" = 1'-0"



1 1ST FLOOR PHASING PLAN - AREA 'D'
SCALE: 1/4" = 1'-0"

WHEN THIS ITEM IS STAMPED BY A LICENSED PROFESSIONAL ENGINEER IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW TITLE VIII ARTICLE 145 SECTION 7209 FOR ANY PERSON UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER TO ALTER THE ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS ALTERED THE ALTERING ENGINEER SHALL COMPLY WITH NEW YORK STATE EDUCATION LAW.

FULLY SPRINKLERED | CONSTRUCTION DOCUMENT

No.	Description	Date
	REVISIONS	

CONSULTANTS:

STAMP

STATE OF NEW YORK
ROBERT JOHN RUNGE
No. 065105-1
LICENSED PROFESSIONAL ENGINEER
2015-10-01

ARCHITECTS/ENGINEERS:

RJR
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RJR Project #14036

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Voice: 315.488.5635 www.swbr.com
SWBR Project #14310

Drawing Title: PHASING PLAN

Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Location: 800 Irving Avenue
Syracuse, NY 13210

Date: 10/01/15 | Checked: JTA | Drawn: CGR

Project Number: 528A7-14-701

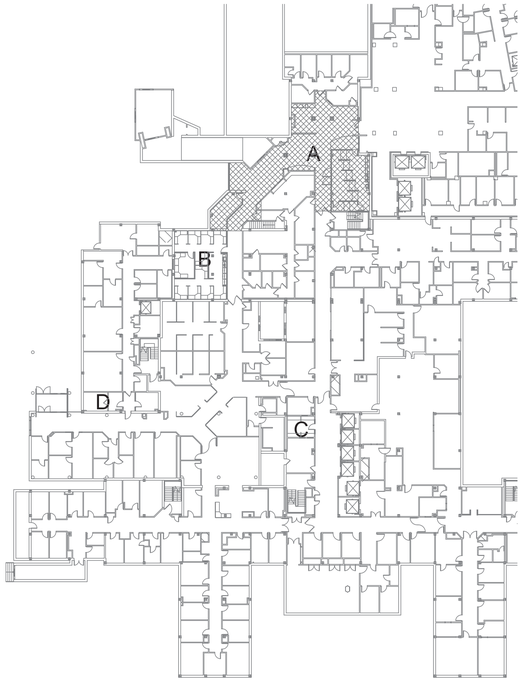
Building Number: 1

Drawing Number: GI102

Dwg 3 of 56

Department of Veterans Affairs

VA FORM 08-6231, Oct 1978



2 KEY PLAN
1/32" = 1'-0"

KEYED NOTES

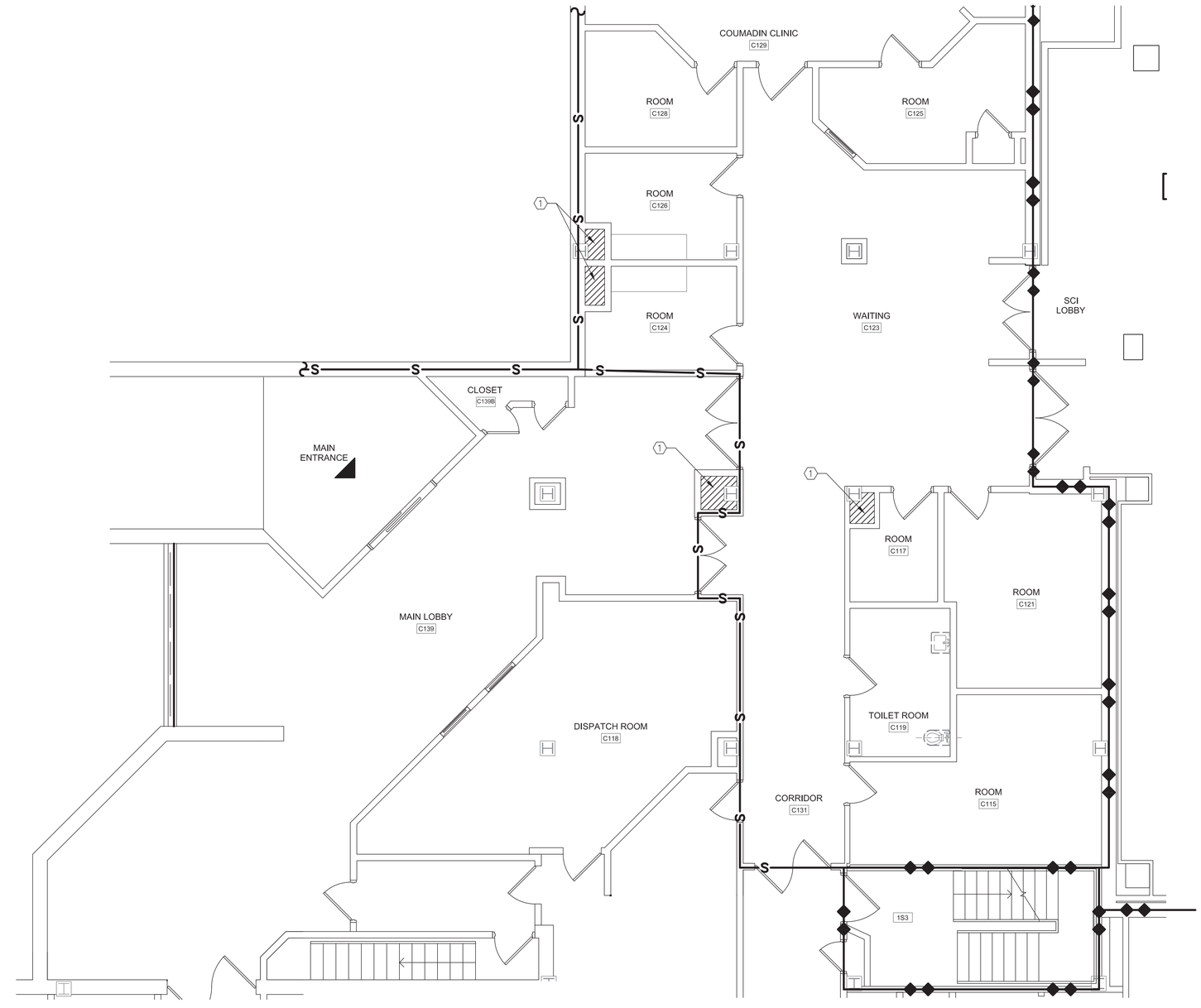
1. CONTRACTOR TO ABATE EXISTING ASBESTOS CONTAINING MATERIALS

LEGEND

APPROXIMATE LOCATION OF ASBESTOS CONTAINING THERMAL SYSTEM INSULATION.

GENERAL NOTES - ASBESTOS REMOVAL

1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETION OF ASBESTOS MATERIAL REMOVAL AS DEFINED IN THE CONTRACT DOCUMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS, METHODS, COORDINATION, SUPERVISION, MANAGEMENT, AND SEQUENCING TO COMPLETE THE WORK. CONTRACTOR SHALL MAKE ALL EFFORTS TO COOPERATE AND COORDINATE WORK WITH COR, OTHER CONTRACTORS, AND THEIR REPRESENTATIVES. COORDINATE BUILDING/POWER/HVAC ISOLATION WITH COR.
2. ALL MATERIAL REMOVAL AND DISPOSAL SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS
3. ALL PROPOSED DECONTAMINATION CHAMBER LOCATIONS, POWER AND WATER SOURCES, AND STAGING AREAS SHALL BE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE COR.
4. THIS CONTRACT INCLUDES THE REMOVAL AND DISPOSAL OF ASBESTOS CONTAINING MATERIAL WITHIN UTILITY CHASES. CONTRACT DRAWINGS INDICATE THE EXTENT OF THE REMOVAL AND ARE TO BE USED AS A GUIDELINE. AT A MINIMUM, MATERIALS IDENTIFIED ON THESE DRAWINGS ARE TO BE REMOVED AND DISPOSED OF.
5. CONTRACTOR TO COORDINATE SCHEDULE OF ASBESTOS ABATEMENT WORK WITH THE COR.



1 1ST FLOOR ASBESTOS ABATEMENT PLAN - AREA 'A'
1/4" = 1'-0"

WHEN THIS ITEM IS STAMPED BY A LICENSED PROFESSIONAL ENGINEER IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW TITLE VIII ARTICLE 145 SECTION 7209 FOR ANY PERSON UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER TO ALTER THE ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS ALTERED THE ALTERING ENGINEER SHALL COMPLY WITH NEW YORK STATE EDUCATION LAW.

FULLY SPRINKLERED | CONSTRUCTION DOCUMENT

No.	Description	Date
	REVISIONS	

CONSULTANTS:

STAMP

STATE OF NEW YORK
ROBERT JOHN RUNGE III
No. 065105-1
LICENSED PROFESSIONAL ENGINEER

ARCHITECTS/ENGINEERS:

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RJR Project #14036

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SWBR Project #14310

Drawing Title: ASBESTOS ABATEMENT PLAN

Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Location: 800 Irving Avenue Syracuse, NY 13210

Date: 12/02/15 | Checked: MCP | Drawn: ELK

Project Number: 528A7-14-701

Building Number: 1

Drawing Number: HA101

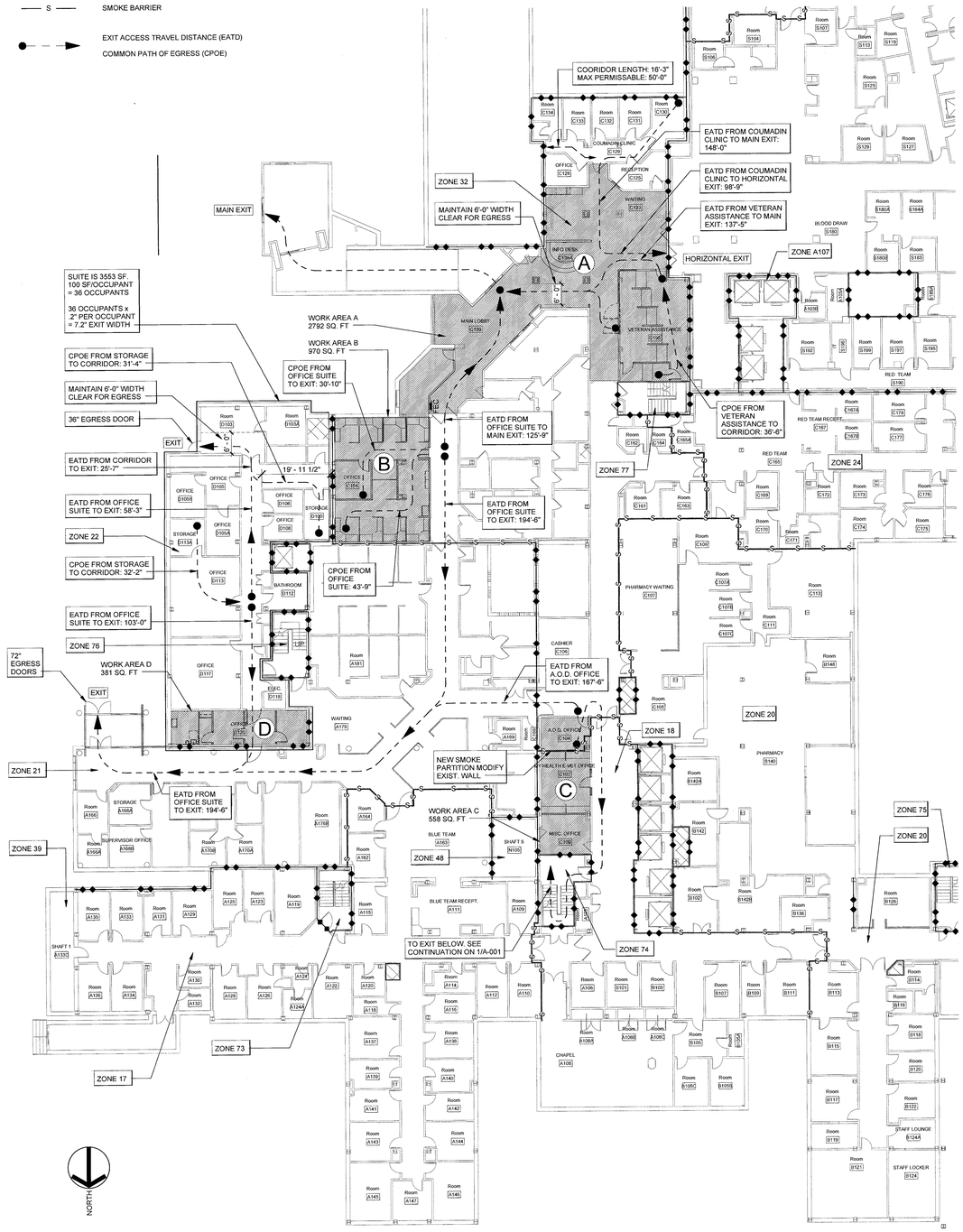
Dwg 4 of 56

Department of Veterans Affairs

VA FORM 08-6231, Oct 1978

KEY

- 2 HOUR FIRE-RESISTANT FIRE BARRIER
- S — SMOKE BARRIER
- EXIT ACCESS TRAVEL DISTANCE (EATD)
- COMMON PATH OF EGRESS (CPOE)



2 FIRST FLOOR - CODE COMPLIANCE PLAN
1/16" = 1'-0"

PROJECT NAME	VAMC Syracuse Business Office
SWBR PROJECT NO:	143100

BUIILDING DATA AND CODE REVIEW

FACILITY	VAMC Syracuse-Business Office		
APPLICABLE CODE	NFPA 101, Life Safety Code 2015		
	Code Reference	Requirement/ Allowed	Provided
Occupancy			
Existing Structure			
Ambulatory Health Care	6.1.6.1	Existing (See Below-Reconstruction)	
Classification of Work			
Reconstruction	21.1.14.2 43.2.2.1	Comply with New Construction Requirements Chapter 21	
Min Construction Requirements	21.1.6	Type I Construction, Greater than 2 Stories, Fully Sprinklered	
BUILDING AREA & OCCUPANT LOAD	21.7/7.3.1.2	Ambulatory Health Care, Fully Sprinklered, 100 SF/Person	
Area A	2795 SF; 100 SF/Person = 28 @ .2" ea. = 5.6" exit width, 192" provided.		
Area B	970 SF; 100 SF/Person = 10 @ .2" ea. = 2" exit width, 36" exit width provided.		
Area C	558 SF; 100 SF/Person = 6 @ .2" ea. = 1.2" exit width, 36" exit width provided ea. room.		
Area D	381 SF; 100 SF/Person = 4@ .2" ea. = .8" exit width, 36" exit width provided.		
Fire Protection Systems	Chap 21/43		
Automatic sprinkler	NFPA 13 (2013)	NR	Yes
Portable Fire Extinguisher	NFPA 10 (2013)	Class A Light Hazard 75' Travel Distance	Yes
Fire Alarm and Detection		Yes	Yes
Smoke Control System		Yes	Yes
Smoke and Heat Vents	Not Applicable work of this project		
Fire Command Center	Not Applicable work of this project		
Smoke Detection		Yes	Yes
MEANS OF EGRESS ELEMENTS-(Fully Sprinklered Building)			
Exit Access Travel Distance	21.2.5.2/7.3	200 ft.	195 ft.
Dead-End Limit	21.2.5.3/7.3	50 ft.	20 ft.

FACILITY	VAMC Syracuse-Business Office		
APPLICABLE CODE	NFPA 101, Life Safety Code 2015		
	Code Reference	Requirement/ Allowed	Provided
Exit Access Corridor Width (Min.)	21.2.3.2	44"	10' 8'/5'
Egress Door Clear Width	7.2.1.2.3	32"	32" min.
Horizontal Exit into different occupancy	21.1.3.5/7.2.4	Permitted	Yes-Existing
RATED WALL SEPARATIONS			
Interior Non Bear Walls	21.1.6.3	Non Combustible	Non Combustible
Area Separations	21.3.7	1 Hour Fire Rated Construction	Existing to Remain
Smoke Barriers	21.3.7.5	½ Hour Fire Rated Construction	½ Hour Fire Rated construction
Fire Separations separating areas for which there are Horizontal Exits	7.2.4 21.3.7.1	2 Hour Fire Barrier	Existing to Remain
Exit Passageways	21.2.2.7 7.1.3.1	1 Hour (min)	Existing to Remain
INTERIOR FINISHES	21.3.3-10.2		
Exits	10.2	Wall: Class A/B Ceiling: Class A/B Floor: Class I/II	Existing to Remain
Exit Access	10.2	Wall: Class A/B Ceiling: Class A/B Floor: Class I/II	Class I/II

Finish Classification

1. Class I – Critical Radiant Flux- not less than .45 W/CM^2
2. Class II – Critical Radiant Flux- not more than .22 W/CM^2, but less than .45 W/CM^2
3. Class A – Fiame spread 0-25, smoke developed, 0-450
4. Class B – Fiame spread 26-75, smoke developed, 0-450

VAMC Syracuse

Applicable Codes

A. LIFE SAFETY:
1. NFPA 101, Life Safety Code 2015
2. International Building Code 2012 for Occupancies and "Design Features" not addressed in the Life Safety Code.
3. FGI Guidelines for the Design and Construction of Health Care Facilities: 2010 Edition

B. ACCESSIBILITY:
1. Architectural Barriers Act Accessibility Standards (ABAAS) including VA supplement, Barrier Free Design Guide (PG-18-13)

C. CODE REFERENCES: VA has adopted the latest edition of the following codes and standards.
1. VHA Program Guide PG 18-3 – Topic 1 – Codes, Standards and Executive Orders
2. International Building Code (IBC) 2012 Edition
3. International Existing Building Code (IEBC) 2012 Edition
4. International Plumbing Code 2012 Edition
5. International Mechanical Code 2012 Edition
6. NFPA 101 References numerous standards (excluding NFPA 5000 and NFPA 900)– see chapter 2.2. Significant codes that effect our work:
   a. NFPA 13, Standard for Installation of sprinkler Systems, 2013 Edition
   b. NFPA 70, National Electric Code 2014 Edition
   c. NFPA 80, Standard for Fire doors And other opening Protectives, 2013 Edition
   d. NFPA 101, Life Safety Code 2015 edition

1 GROUND FLOOR - CODE COMPLIANCE
1/16" = 1'-0"

FULLY SPRINKLERED | CONSTRUCTION DOCUMENTS

No.	Description	Date

CONSULTANTS:

STAMP

ARCHITECTS/ENGINEERS:

RJR ENGINEERING, P.C.
PROFESSIONAL ENGINEERS
P.O. BOX 344 - 23 Mechanic Street
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RJR Project #14038

SWBR ARCHITECTS
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Voice: 315.488.5635 www.swbr.com
SWBR Project #14313

Drawing Title: CODE COMPLIANCE PLANS

Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Project Number: 528A7-14-701

Building Number: 1

Location: 800 Irving Ave, Syracuse, NY

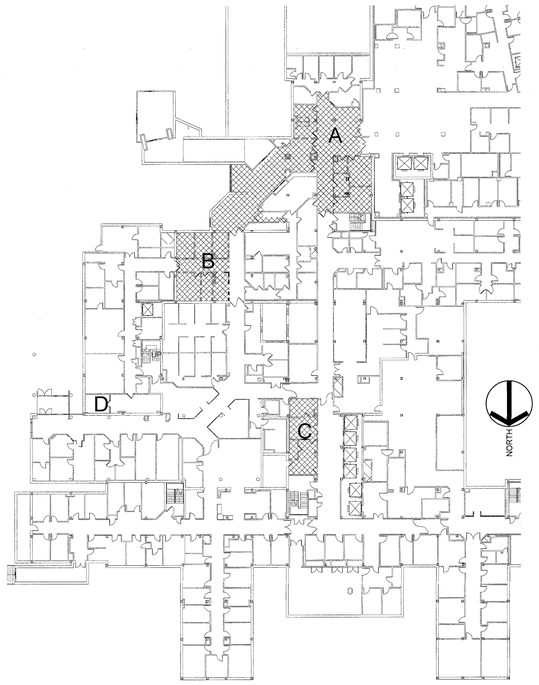
Date: 10/01/2015 | Checked: FJK | Drawn: IPV

Drawing Number: A-001

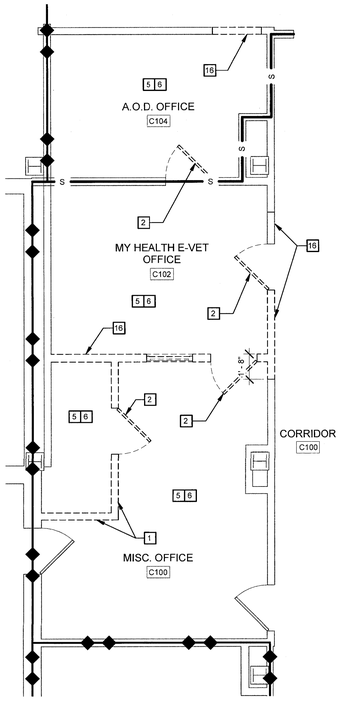
Dwg 5 of 56

Department of Veterans Affairs

VA FORM 08-6231, Oct 1978 REVISIONS



3 PARTIAL FIRST FLOOR DEMO PLAN
1/32" = 1'-0"

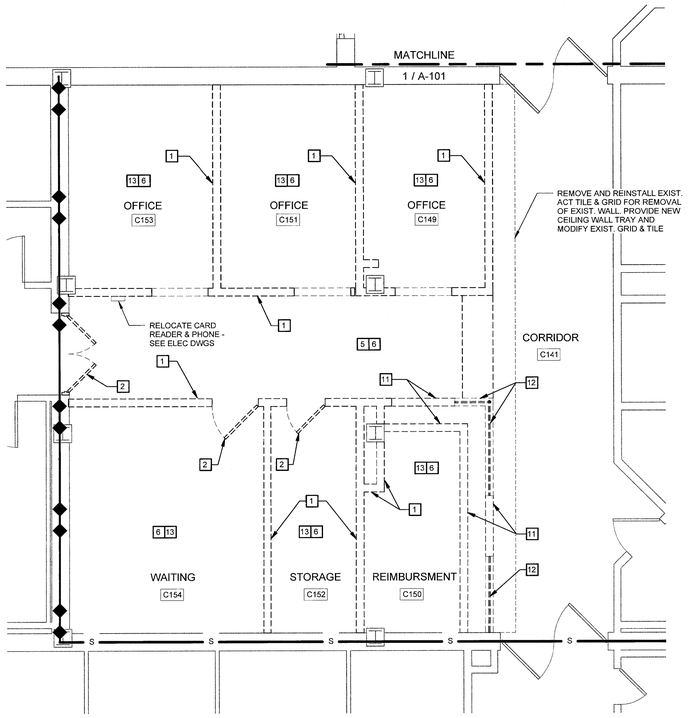


4 1ST FLOOR DEMO PLAN - AREA 'C'
1/4" = 1'-0"

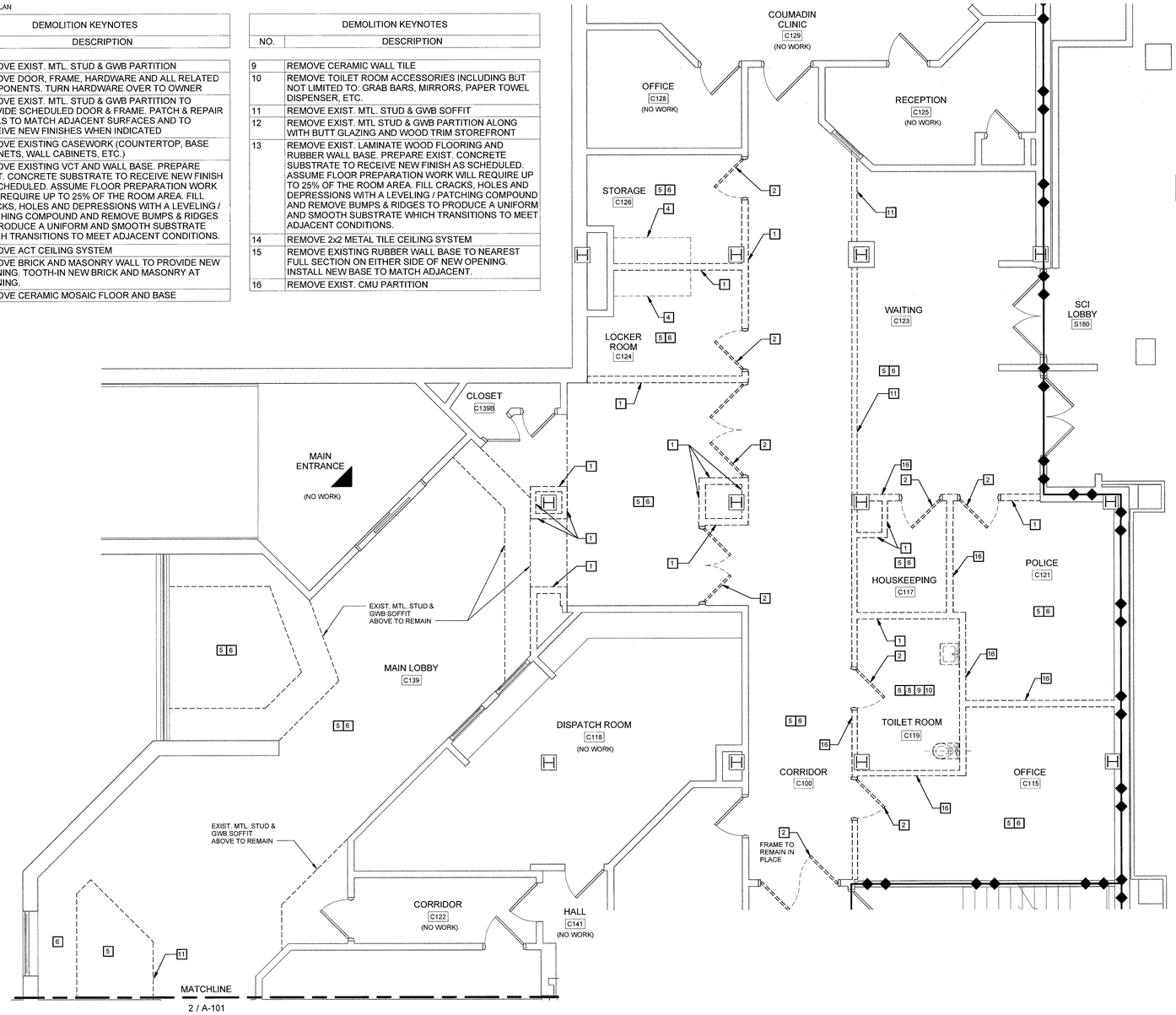
NOTED # ON PLAN

DEMOLITION KEYNOTES	
NO.	DESCRIPTION
1	REMOVE EXIST. MTL. STUD & GWB PARTITION
2	REMOVE DOOR, FRAME, HARDWARE AND ALL RELATED COMPONENTS. TURN HARDWARE OVER TO OWNER
3	REMOVE EXIST. MTL. STUD & GWB PARTITION TO PROVIDE SCHEDULED DOOR & FRAME. PATCH & REPAIR WALLS TO MATCH ADJACENT SURFACES AND TO RECEIVE NEW FINISHES WHEN INDICATED
4	REMOVE EXISTING CASEWORK (COUNTERTOP, BASE CABINETS, WALL CABINETS, ETC.)
5	REMOVE EXISTING VCT AND WALL BASE. PREPARE EXIST. CONCRETE SUBSTRATE TO RECEIVE NEW FINISH AS SCHEDULED. ASSUME FLOOR PREPARATION WORK WILL REQUIRE UP TO 25% OF THE ROOM AREA. FILL CRACKS, HOLES AND DEPRESSIONS WITH A LEVELING / PATCHING COMPOUND AND REMOVE BUMPS & RIDGES TO PRODUCE A UNIFORM AND SMOOTH SUBSTRATE WHICH TRANSITIONS TO MEET ADJACENT CONDITIONS.
6	REMOVE ACT CEILING SYSTEM
7	REMOVE BRICK AND MASONRY WALL TO PROVIDE NEW OPENING. TOOTH-IN NEW BRICK AND MASONRY AT OPENING.
8	REMOVE CERAMIC MOSAIC FLOOR AND BASE

DEMOLITION KEYNOTES	
NO.	DESCRIPTION
9	REMOVE CERAMIC WALL TILE
10	REMOVE TOILET ROOM ACCESSORIES INCLUDING BUT NOT LIMITED TO: GRAB BARS, MIRRORS, PAPER TOWEL DISPENSER, ETC.
11	REMOVE EXIST. MTL. STUD & GWB SOFFIT
12	REMOVE EXIST. MTL STUD & GWB PARTITION ALONG WITH BUTT GLAZING AND WOOD TRIM STOREFRONT
13	REMOVE EXIST. LAMINATE WOOD FLOORING AND RUBBER WALL BASE. PREPARE EXIST. CONCRETE SUBSTRATE TO RECEIVE NEW FINISH AS SCHEDULED. ASSUME FLOOR PREPARATION WORK WILL REQUIRE UP TO 25% OF THE ROOM AREA. FILL CRACKS, HOLES AND DEPRESSIONS WITH A LEVELING / PATCHING COMPOUND AND REMOVE BUMPS & RIDGES TO PRODUCE A UNIFORM AND SMOOTH SUBSTRATE WHICH TRANSITIONS TO MEET ADJACENT CONDITIONS.
14	REMOVE 2x2 METAL TILE CEILING SYSTEM
15	REMOVE EXISTING RUBBER WALL BASE TO NEAREST FULL SECTION ON EITHER SIDE OF NEW OPENING. INSTALL NEW BASE TO MATCH ADJACENT.
16	REMOVE EXIST. CMU PARTITION



2 1ST FLOOR DEMO PLAN - AREA 'B'
1/4" = 1'-0"



1 1ST FLOOR DEMO PLAN - AREA 'A'
1/4" = 1'-0"

FULLY SPRINKLERED

CONSTRUCTION DOCUMENT

No.	Description	Date

VA FORM 08-6231, Oct 1978 REVISIONS

CONSULTANTS:

STAMP

ARCHITECTS/ENGINEERS:

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PROFESSIONAL ENGINEERS
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www.rjrpc.com
RJR Project #14036

SWBR ARCHITECTS
309 South Franklin Street Syracuse, NY 13202
Voice: 315.488.5635 www.swbr.com
SWBR Project #14310

Drawing Title: DEMOLITION PLANS

Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Project Number: 528A7-14-701

Building Number: 1

Location: 800 Irving Ave, Syracuse, NY

Date: 10/01/2015

Checked: FJK

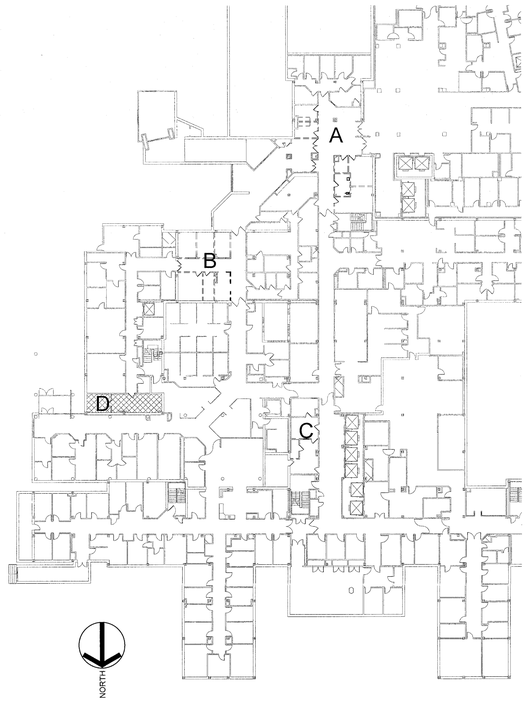
Drawn: IPV

Drawing Number: A-101

Dwg 6 of 56

REGISTERED ARCHITECT THOMAS R. BEARDS 021472 STATE OF NEW YORK

Department of Veterans Affairs



2 KEY PLAN
1/32" = 1'-0"

DEMOLITION KEYNOTES	
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4	REMOVE EXISTING CASEWORK (COUNTERTOP, BASE CABINETS, WALL CABINETS, ETC.)
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DEMOLITION KEYNOTES	
NO.	DESCRIPTION
9	REMOVE CERAMIC WALL TILE
10	REMOVE TOILET ROOM ACCESSORIES INCLUDING BUT NOT LIMITED TO: GRAB BARS, MIRRORS, PAPER TOWEL DISPENSER, ETC.
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12	REMOVE EXIST. MTL STUD & GWB PARTITION ALONG WITH BUTT GLAZING AND WOOD TRIM STOREFRONT
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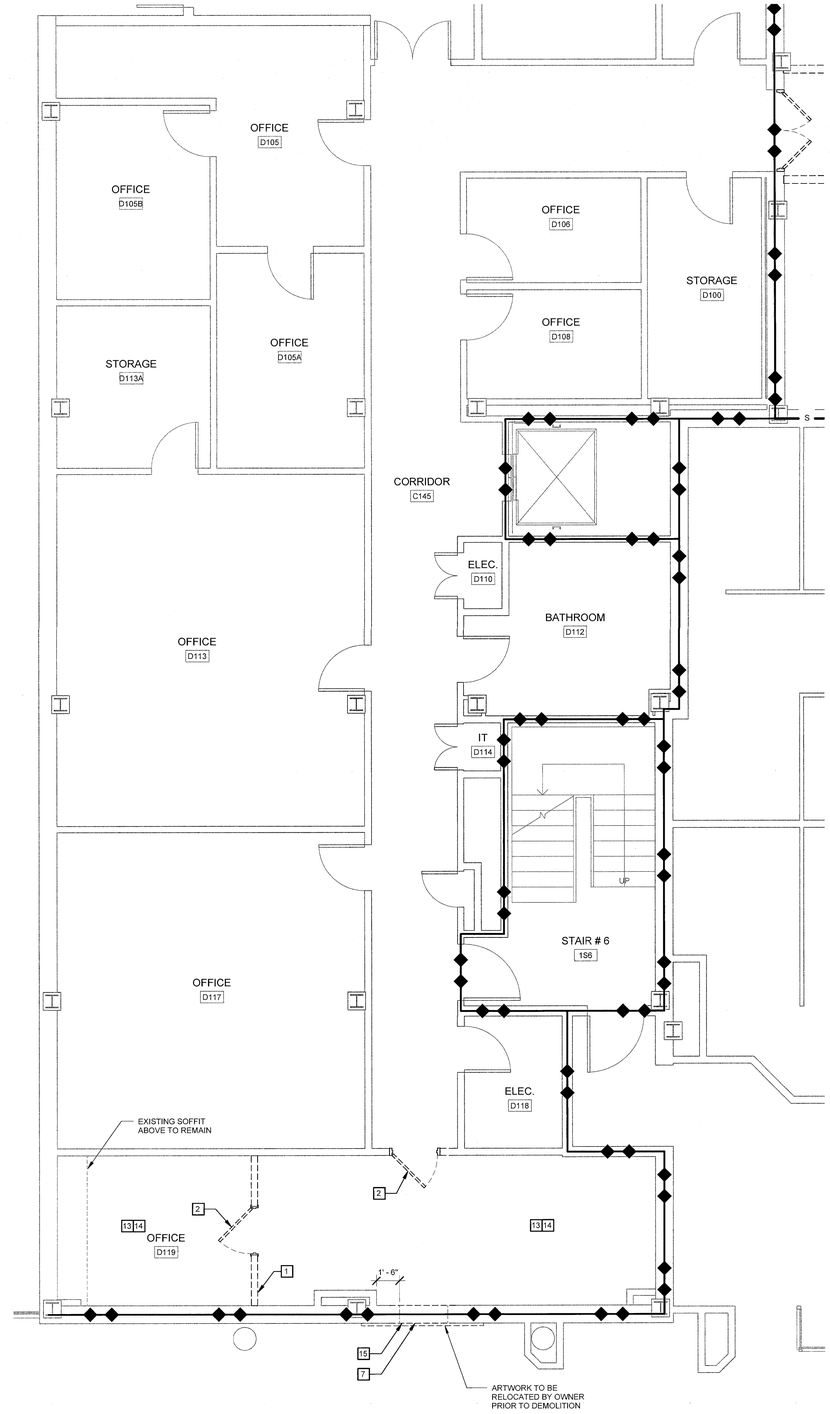
14	REMOVE 2x2 METAL TILE CEILING SYSTEM
15	REMOVE EXISTING RUBBER WALL BASE TO NEAREST FULL SECTION ON EITHER SIDE OF NEW OPENING. INSTALL NEW BASE TO MATCH ADJACENT.
16	REMOVE EXIST. CMU PARTITION



1 1ST FLOOR DEMO PLAN - AREA 'D'
1/4" = 1'-0"

FULLY SPRINKLERED | CONSTRUCTION DOCUMENT

No.	Description	Date

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SWBR Project #14310

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Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Location: 800 Irving Ave, Syracuse, NY

Date: 10/01/2015 | Checked: FJK | Drawn: IPV

Project Number: 528A7-14-701

Building Number: 1

Drawing Number: A-102

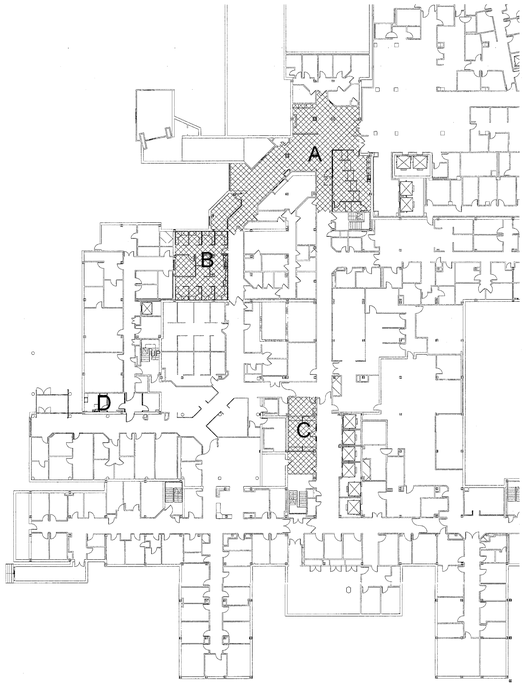
Dwg 7 of 56

REGISTERED ARCHITECT THOMAS R. GEARS STATE OF NEW YORK 021472

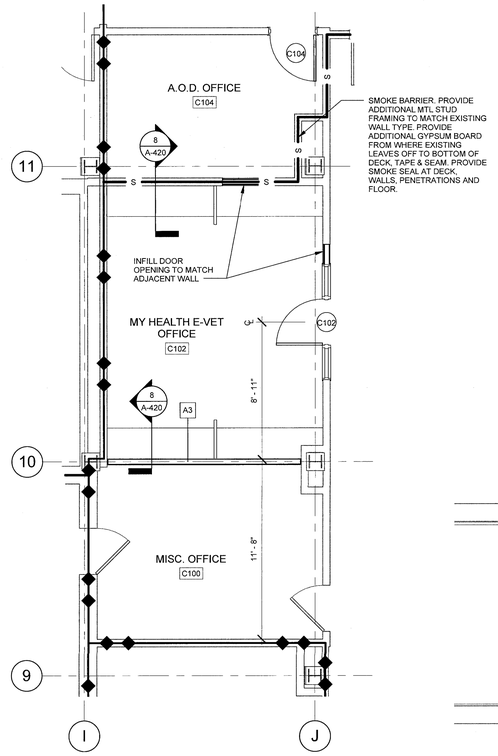
10/9/15

Department of Veterans Affairs

VA FORM 08-6231, Oct 1978 REVISIONS



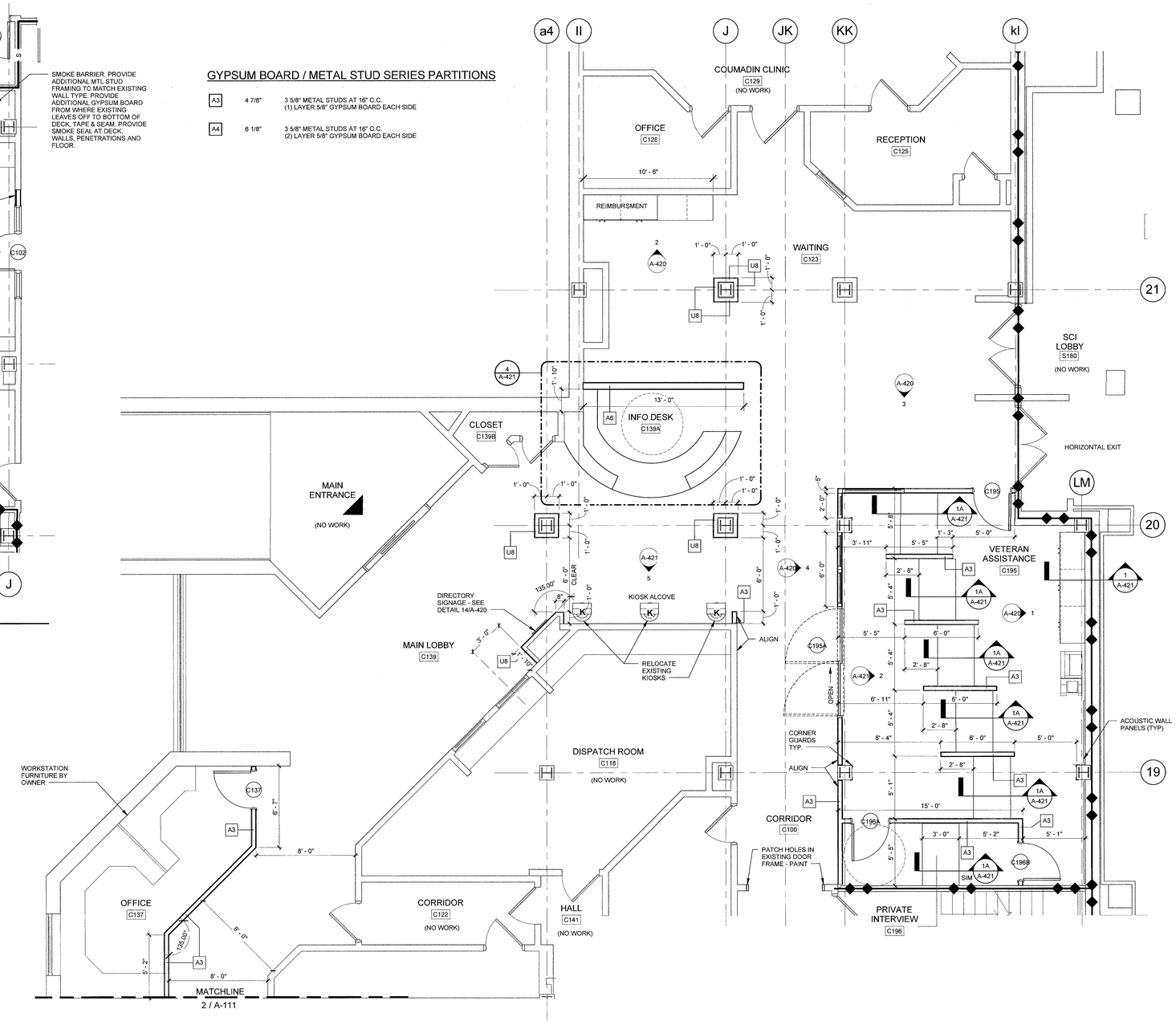
3 KEY PLAN
1/32" = 1'-0"



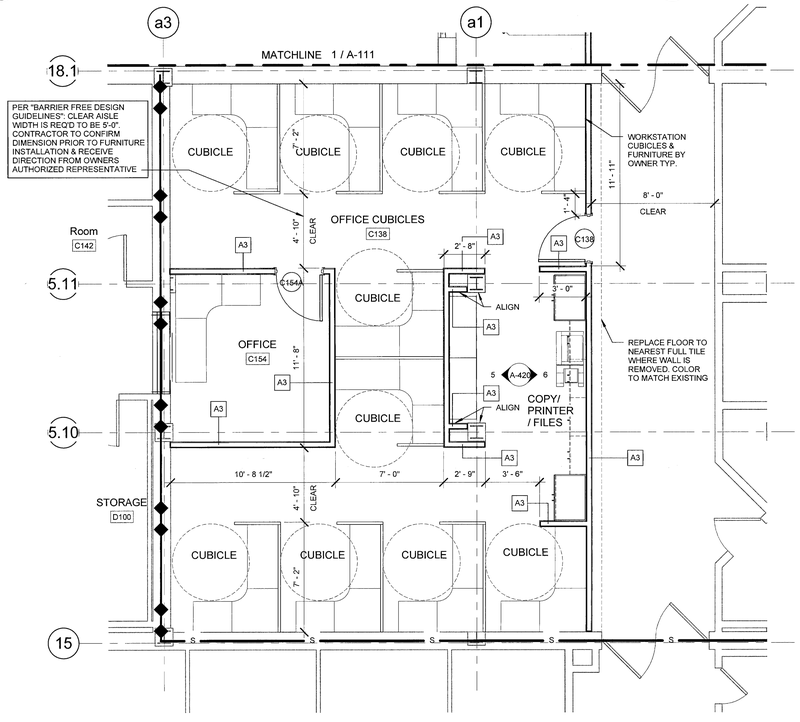
4 1ST FLOOR PLAN - AREA 'C'
1/4" = 1'-0"

GYPSUM BOARD / METAL STUD SERIES PARTITIONS

A3	4 7/8"	3 5/8" METAL STUDS AT 16" O.C. (1) LAYER 5/8" GYPSUM BOARD EACH SIDE
A4	6 1/8"	3 5/8" METAL STUDS AT 16" O.C. (2) LAYER 5/8" GYPSUM BOARD EACH SIDE



1 1ST FLOOR PLAN - AREA 'A'
1/4" = 1'-0"



2 1ST FLOOR PLAN - AREA 'B'
1/4" = 1'-0"

FULLY SPRINKLERED	CONSTRUCTION DOCUMENT

No.	Description	Date

CONSULTANTS:

STAMP

ARCHITECTS/ENGINEERS:

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RJR Project # 14038

SWBR ARCHITECTS
309 South Franklin Street Syracuse, NY 13202
Voice: 315.488.5635 www.swbr.com
SWBR Project # 14310

Drawing Title: FLOOR PLANS

Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Project Number: 528A7-14-701

Building Number: 1

Location: 800 Irving Ave, Syracuse, NY

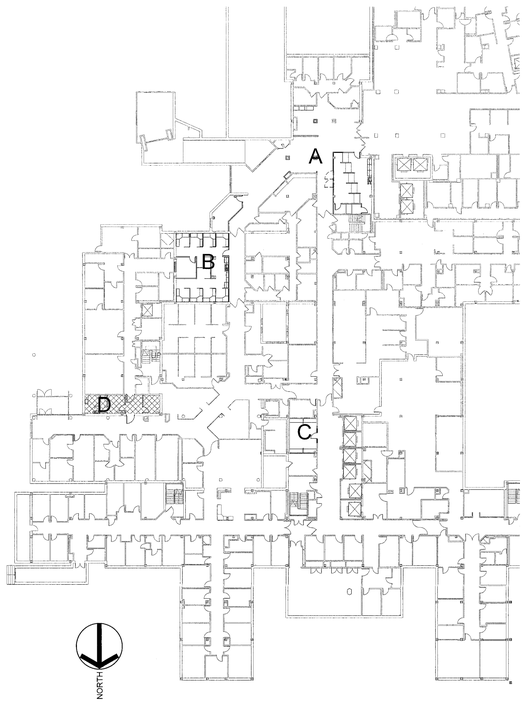
Date: 10/01/2015 | Checked: FJK | Drawn: IPV

Drawing Number: A-111

Dwg 8 of 56

Department of Veterans Affairs

VA FORM 08-6231, Oct 1978 REVISIONS

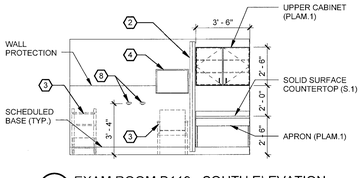


2 KEY PLAN
1/32" = 1'-0"

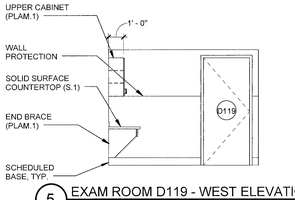
Note Block	
Keynote Number	Keynote Description
1	48" x 18" MIRROR, 1/4" FLOAT GLASS, W/ BRIGHT POLISHED SS CHANNEL FRAME W/ 90 DEGREE MITERED CORNERS. MIRROR TO HAVE A GALVANIZED STEEL BACK WITH INTERGRAL HORIZONTAL HANGING BRACKETS AND WALL HANGER FOR CONCEALED MOUNTING.
2	SURFACE MOUNTED CUBICLE TRACK, W/ CURTAIN. TRACK CONSTRUCTED OF THICK EXTRUDED ALUMINUM W/ END CAPS. EQUIPPED W/ SELF-LUBRICATING CARRIERS, BEADED DROP CHAIN HOOKS, AND FLAME RESISTANT CURTAIN.
3	FURNITURE, PROVIDED BY OWNER
4	18" x 24" DRY ERASE WHITE BOARD. CONSISTING OF A WHITE PORCELAIN ENAMEL WRITING SURFACE W/ ATTACHED CHALK TRAY, & MAGNETIC SURFACE
5	SOAP DISPENSER BY OWNER
6	PAPER TOWEL DISPENSER BY OWNER
7	HORIZONTAL MOUNTING RAIL - CAPABLE OF LOCK-MOUNTING DEVICES ABLE TO LIFT UP TO 75 POUNDS EACH, BEING REPOSITIONED, AND MOUNTING AND DISMOUNTING WITHOUT THE USE OF TOOLS.
8	DOUBLE GARMENT HOOK - SURFACE MOUNTED, SATIN FINISH STAINLESS STEEL. EQUIPPED W/ A CONCEALED MOUNTING BRACKET SECURED TO A CONCEALED WALL PLATE.

GYPSUM BOARD / METAL STUD SERIES PARTITIONS

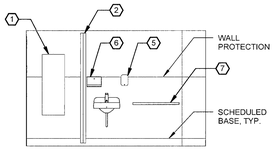
A3	4 7/8"	3 5/8" METAL STUDS AT 16" O.C. (1) LAYER 5/8" GYPSUM BOARD EACH SIDE
A4	6 1/8"	3 5/8" METAL STUDS AT 16" O.C. (2) LAYER 5/8" GYPSUM BOARD EACH SIDE



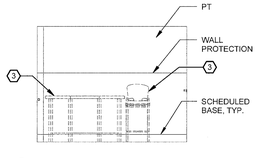
6 EXAM ROOM D119 - SOUTH ELEVATION
1/4" = 1'-0"



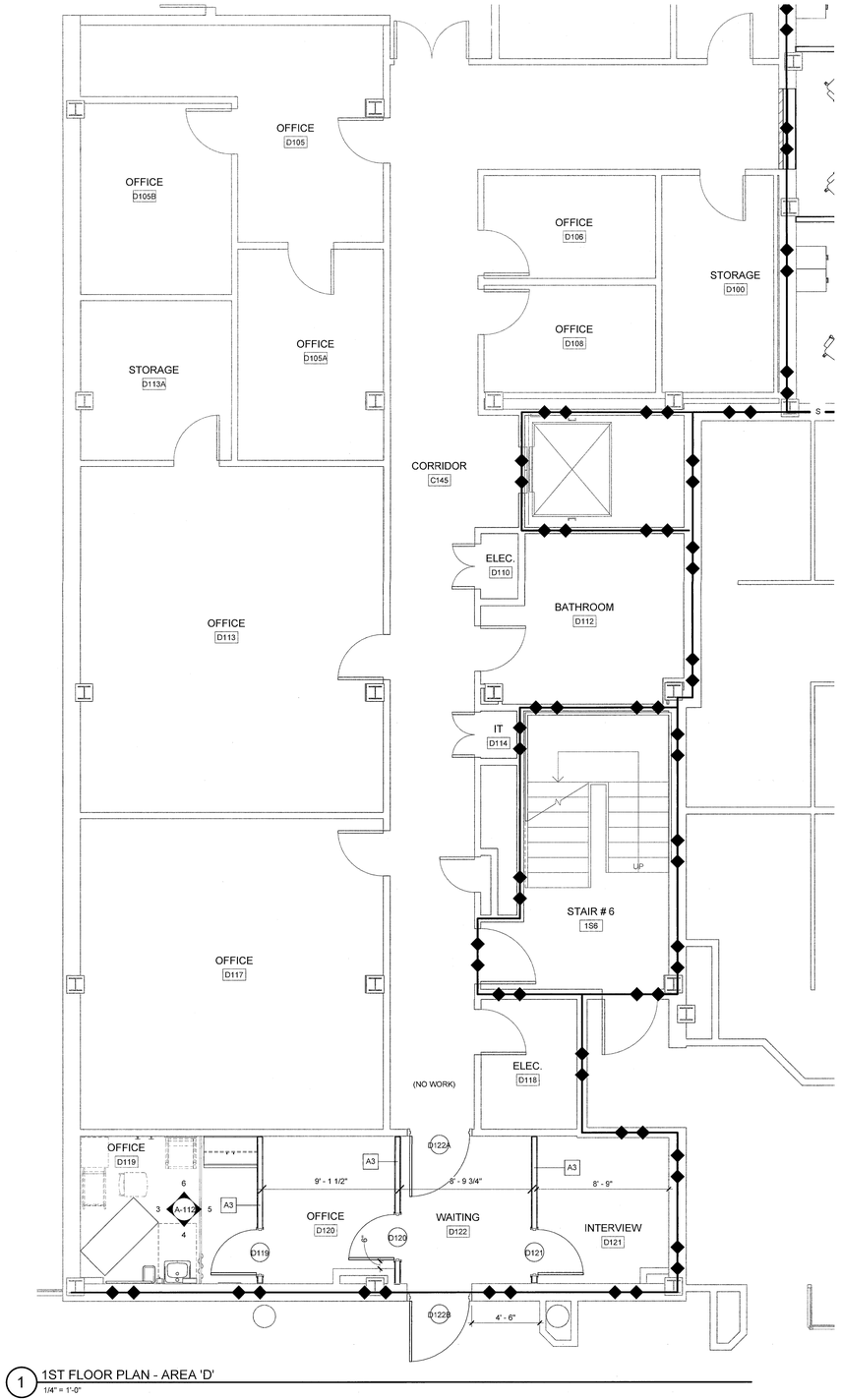
5 EXAM ROOM D119 - WEST ELEVATION
1/4" = 1'-0"



4 EXAM ROOM D119 - NORTH ELEVATION
1/4" = 1'-0"



3 EXAM ROOM D119 - EAST ELEVATION
1/4" = 1'-0"



1 1ST FLOOR PLAN - AREA 'D'
1/4" = 1'-0"

FULLY SPRINKLERED | CONSTRUCTION DOCUMENT

No.	Description	Date

VA FORM 08-6231, Oct 1978 REVISIONS

CONSULTANTS:

STAMP

ARCHITECTS/ENGINEERS:

RJR ENGINEERING, P.C.
PROFESSIONAL ENGINEERS
P.O. BOX 344 - 23 Mechanic Street
Springville, New York 14141-0344
RJR Project # 14036

SWBR ARCHITECTS
309 South Franklin Street Syracuse, NY 13202
Voice: 315.488.5635 www.swbr.com
SWBR Project # 14310

Drawing Title: FLOOR PLANS

Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Project Number: 528A7-14-701

Building Number: 1

Location: 800 Irving Ave, Syracuse, NY

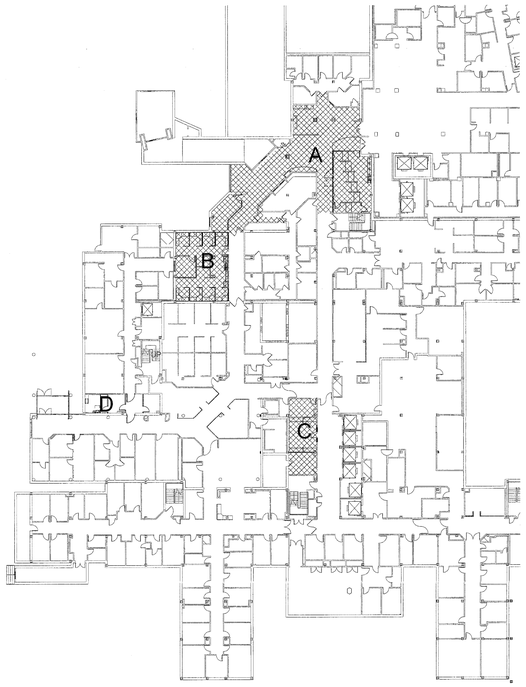
Date: 10/01/2015 | Checked: FJK | Drawn: IPV

Drawing Number: A-112

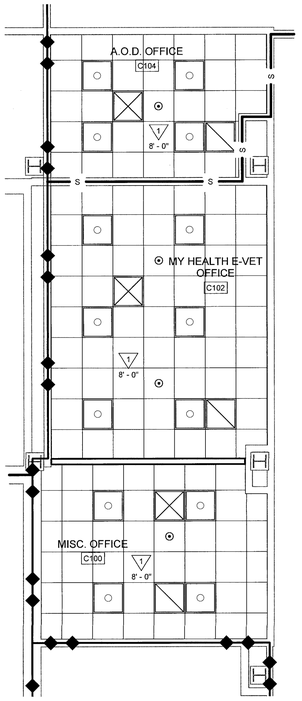
Dwg 9 of 56

REGISTERED ARCHITECT THOMAS R. BEACH STATE OF NEW YORK 021472

Department of Veterans Affairs



4 KEY PLAN
1/32" = 1'-0"



3 1ST FLOOR CEILING PLAN - AREA 'C'
1/4" = 1'-0"

RCP LEGEND

- GYP BD SOFFIT / CEILING
- CEILING GRID
- DIFFUSER OR GRILLE, REFER TO MECHANICAL DRAWINGS
- AIR RETURN OR EXHAUST, REFER TO MECHANICAL DRAWINGS
- SPEAKER
- FLUORESCENT FIXTURE
- RECESSED DOWNLIGHT
- SPRINKLER HEAD
- RP RADIANT PANEL
- SECURITY CAMERA
- SMOKE DETECTOR

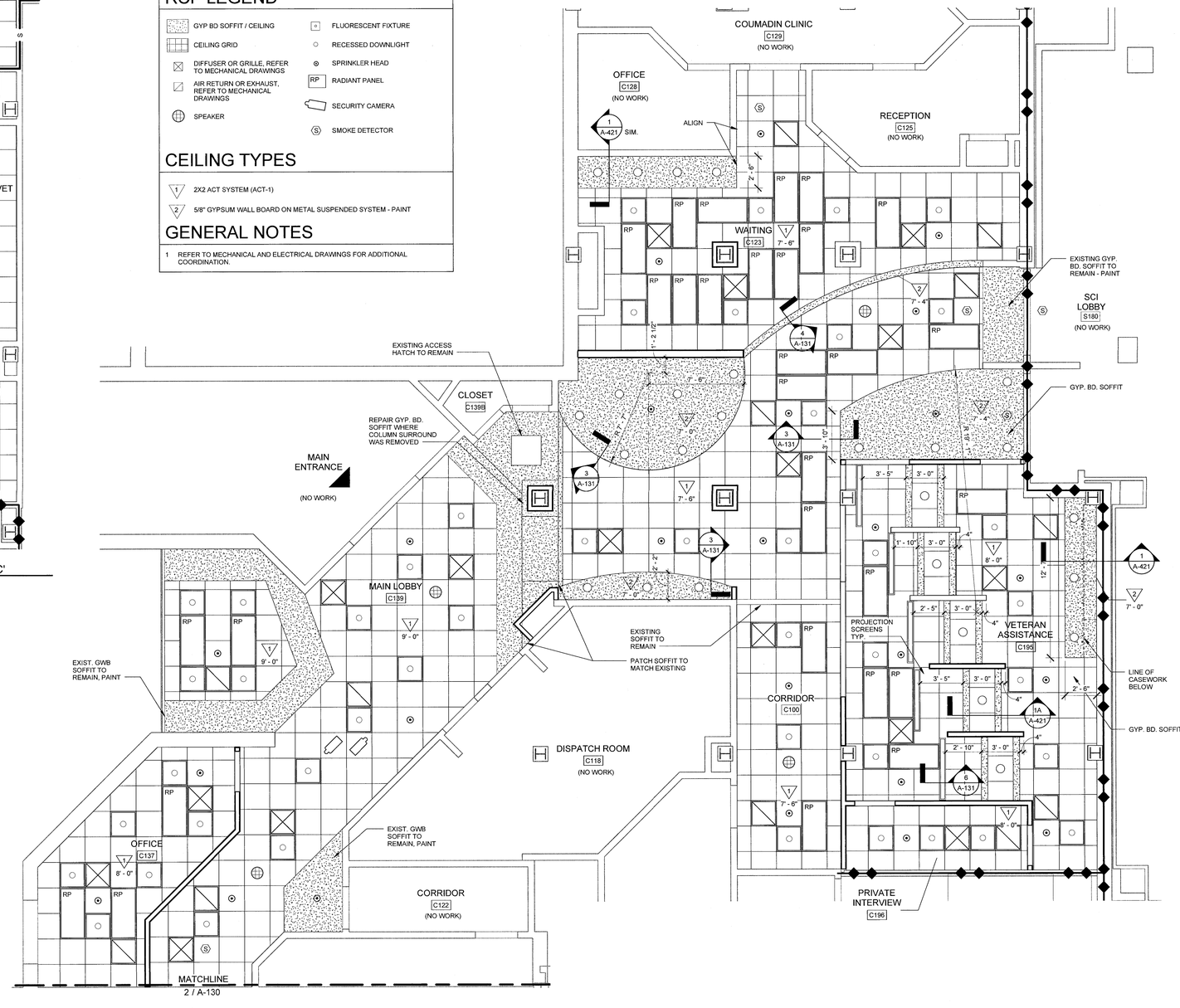
CEILING TYPES

1 2X2 ACT SYSTEM (ACT-1)

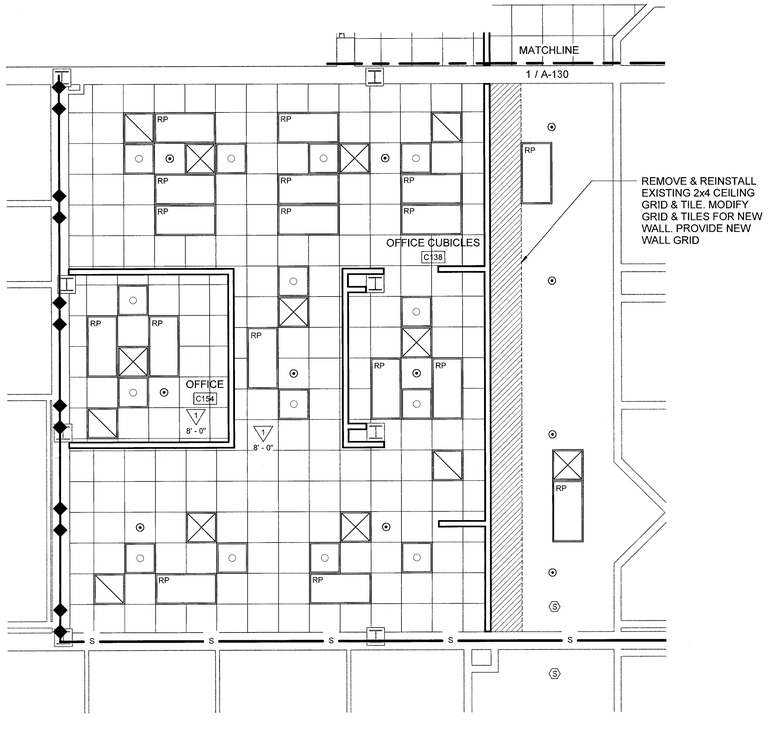
2 5/8" GYPSUM WALL BOARD ON METAL SUSPENDED SYSTEM - PAINT

GENERAL NOTES

1 REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL COORDINATION.



1 1ST FLOOR CEILING PLAN - AREA 'A'
1/4" = 1'-0"



2 1ST FLOOR CEILING PLAN - AREA 'B'
1/4" = 1'-0"

FULLY SPRINKLERED

CONSTRUCTION DOCUMENT

No.	Description	Date

REVISIONS

CONSULTANTS:

STAMP

ARCHITECTS/ENGINEERS:

RJR ENGINEERING, P.C.
PROFESSIONAL ENGINEERS
P.O. BOX 344 - 23 Mechanic Street
Springville, New York 14141-0344
RJR Project #14036

SWBR ARCHITECTS
309 South Franklin Street Syracuse, NY 13202
Voice: 315.488.5635 www.swbr.com
SWBR Project #14310

Drawing Title: REFLECTED CEILING PLANS

Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Location: 800 Irving Ave, Syracuse, NY

Date: 10/01/2015 | Checked: FJK | Drawn: IPV

Project Number: 528A7-14-701

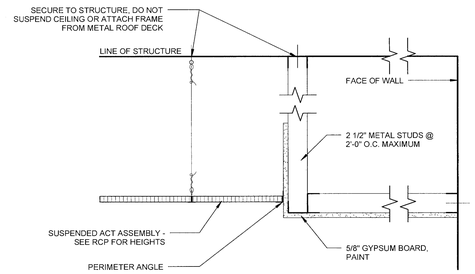
Building Number: 1

Drawing Number: A-130

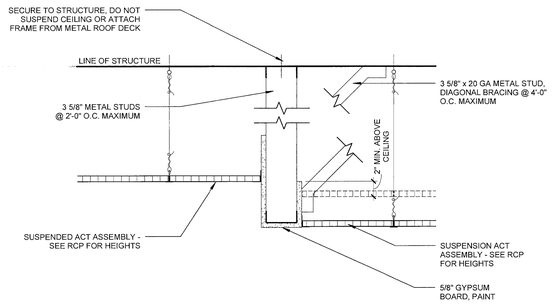
Dwg 10 of 56

Department of Veterans Affairs

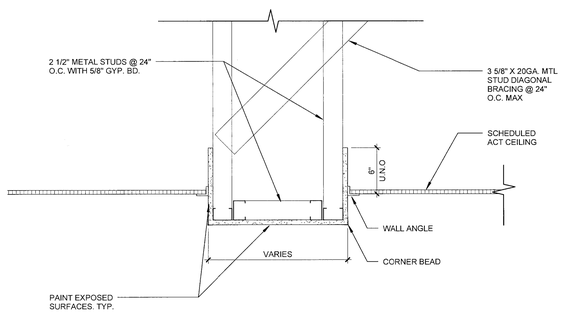
VA FORM 08-6231, Oct 1978



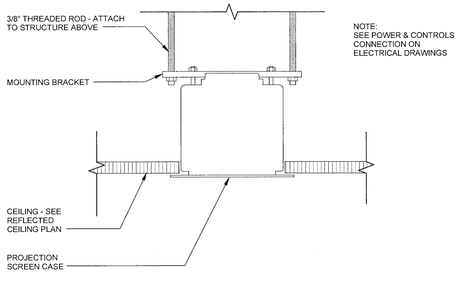
3 SOFFIT DETAIL
1 1/2" = 1'-0"



4 SOFFIT DETAIL
1 1/2" = 1'-0"

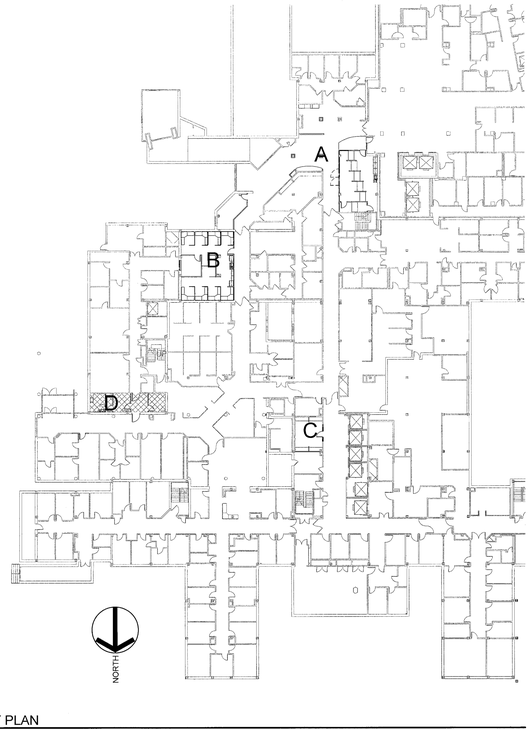


5 SOFFIT DETAIL
1 1/2" = 1'-0"



NOTE:
SEE POWER & CONTROLS CONNECTION ON ELECTRICAL DRAWINGS

6 CEILING RECESSED PROJECTION SCREEN
SCALE: 3" = 1'-0"



2 KEY PLAN
1/32" = 1'-0"

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- CEILING GRID
- DIFFUSER OR GRILLE, REFER TO MECHANICAL DRAWINGS
- AIR RETURN OR EXHAUST, REFER TO MECHANICAL DRAWINGS
- SPEAKER
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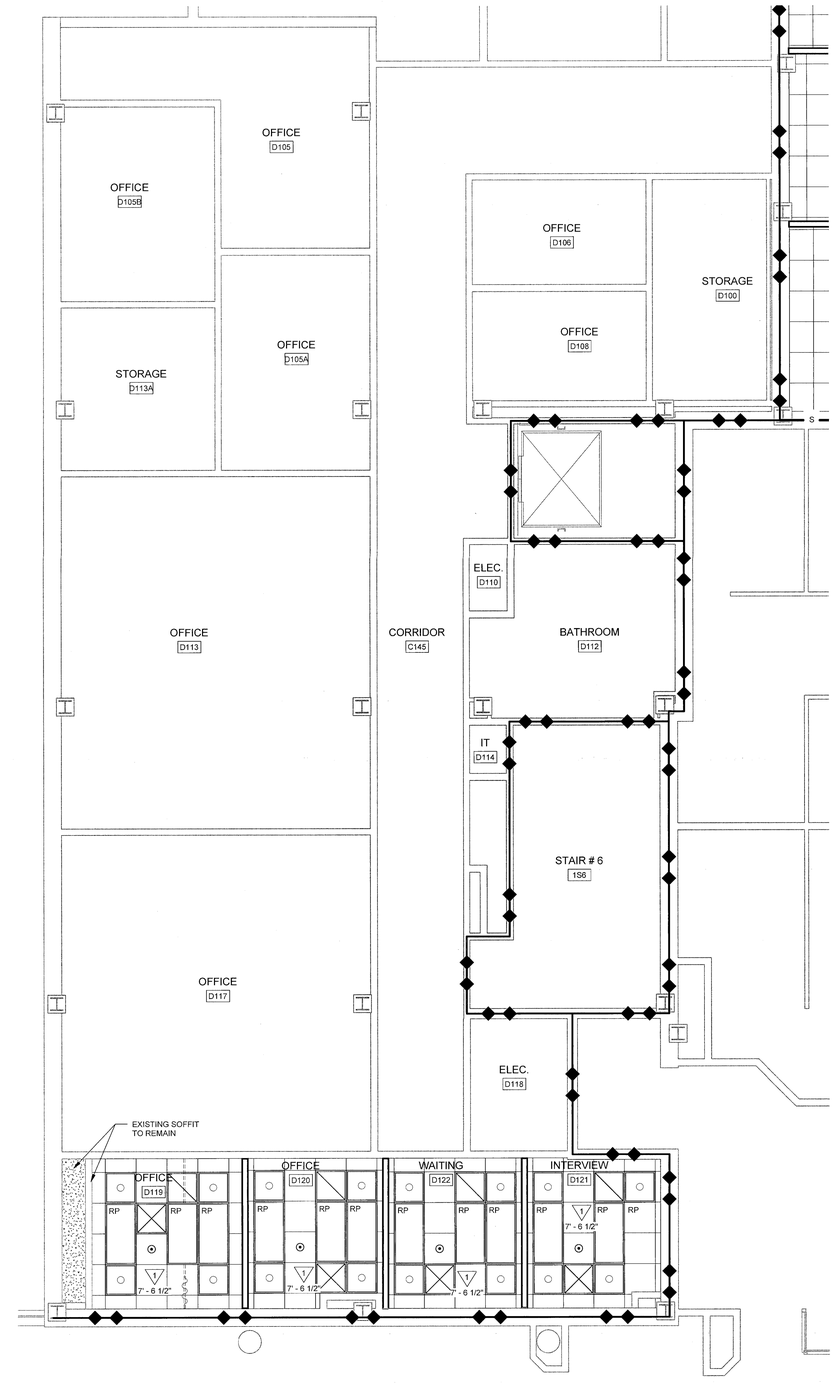
- 2 5/8" GYPSUM WALL BOARD ON METAL SUSPENDED SYSTEM - PAINT

GENERAL NOTES

1 REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL COORDINATION.



1 1ST FLOOR CEILING PLAN - AREA 'D'
1/4" = 1'-0"

FULLY SPRINKLERED | CONSTRUCTION DOCUMENT

No.	Description	Date

VA FORM 08-6231, Oct 1978 REVISIONS

CONSULTANTS:

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ARCHITECTS/ENGINEERS:

RJR ENGINEERING, P.C.
PROFESSIONAL ENGINEERS
P.O. BOX 344 - 23 Mechanic Street
Springville, New York 14141-0344
www.rjrpc.com
RJR Project #14036

SWBR ARCHITECTS
309 South Franklin Street Syracuse, NY 13202
Voice: 315.488.5635 www.swbr.com
SWBR Project #14310

Drawing Title: REFLECTED CEILING PLANS

Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Project Number: 528A7-14-701

Building Number: 1

Location: 800 Irving Ave, Syracuse, NY

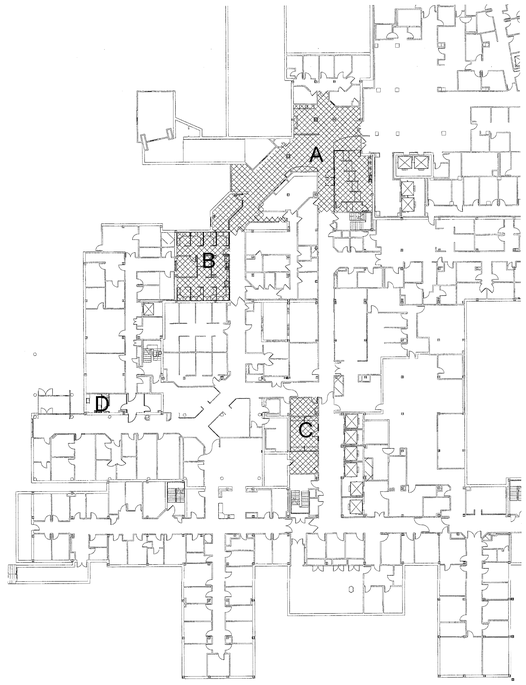
Date: 10/01/2015 | Checked: FJK | Drawn: IPV

Drawing Number: A-131

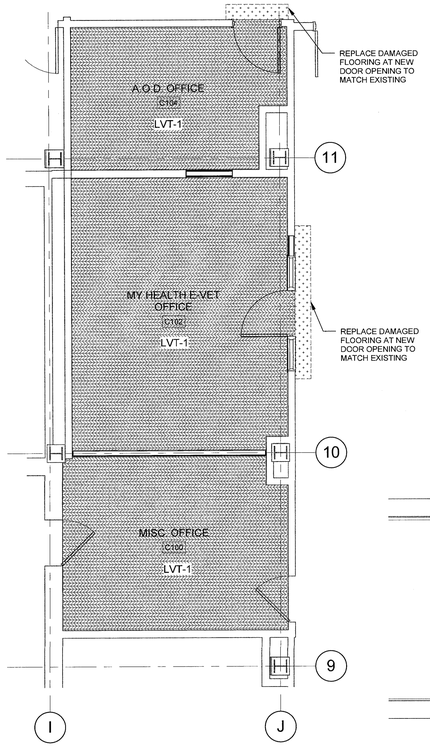
Dwg 11 of 56

REGISTERED ARCHITECT THOMAS R. BEAMS STATE OF NEW YORK 021472

Department of Veterans Affairs



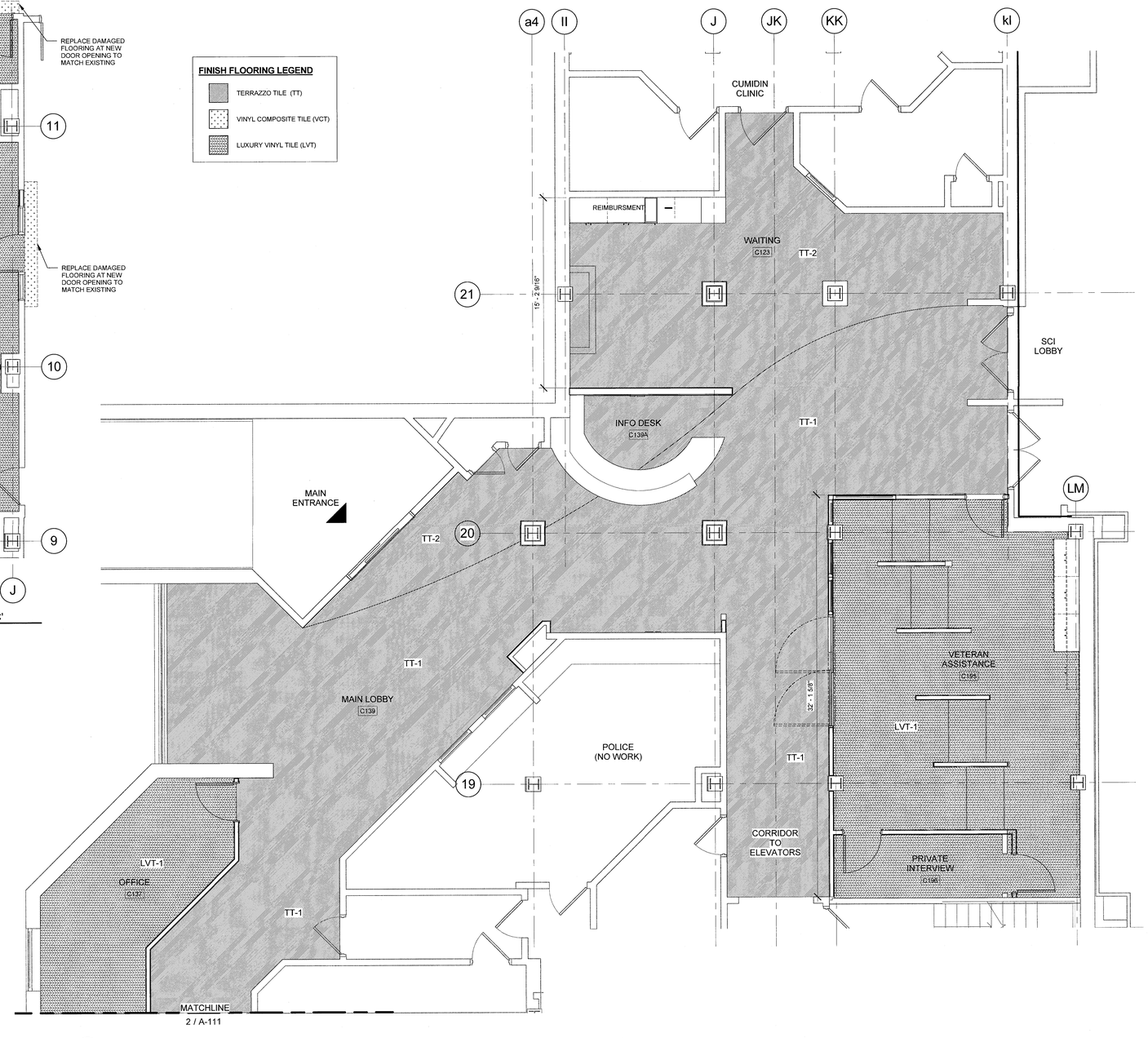
1 KEY PLAN
1/32" = 1'-0"



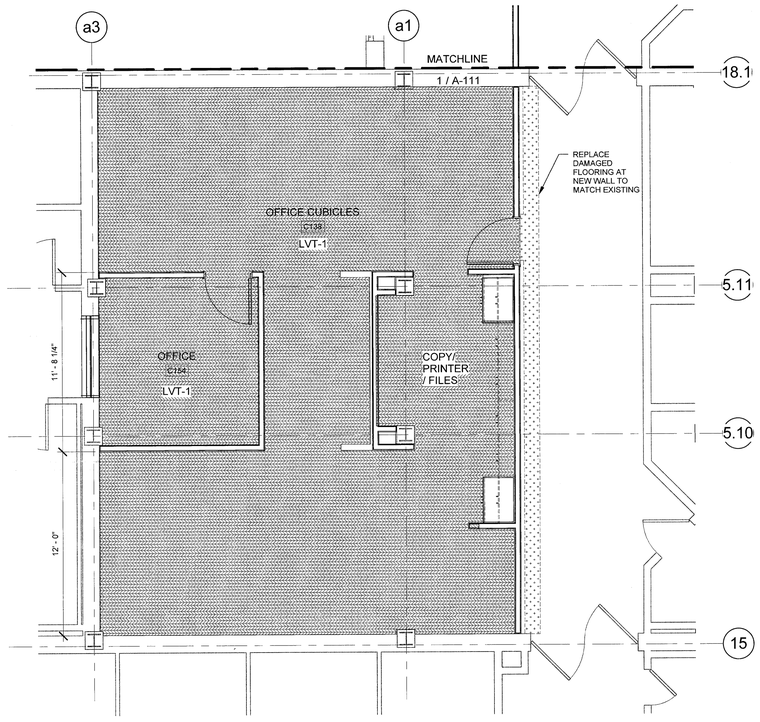
4 1ST FLOOR FINISH PLAN - AREA 'C'
1/4" = 1'-0"

FINISH FLOORING LEGEND

- TERRAZZO TILE (TT)
- VINYL COMPOSITE TILE (VCT)
- LUXURY VINYL TILE (LVT)



2 1ST FLOOR FINISH PLAN - AREA 'A'
1/4" = 1'-0"



3 1ST FLOOR FINISH PLAN - AREA 'B'
1/4" = 1'-0"

FULLY SPRINKLERED

CONSTRUCTION DOCUMENT

No.	Description	Date

VA FORM 08-6231, Oct 1978 REVISIONS

CONSULTANTS:

STAMP

ARCHITECTS/ENGINEERS:

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SWBR ARCHITECTS
309 South Franklin Street Syracuse, NY 13202
Voice: 315.488.5635 www.swbr.com
SWBR Project #14310

Drawing Title: FLOOR FINISH PLANS

Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Project Number: 528A7-14-701

Building Number: 1

Location: 800 Irving Ave, Syracuse, NY

Date: 10/01/2015

Checked: FJK

Drawn: IPV

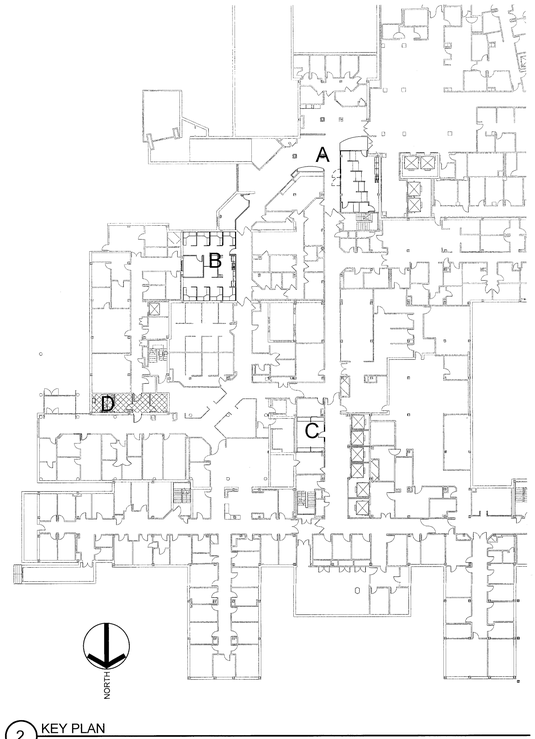
Drawing Number: A-140

Dwg 12 of 56

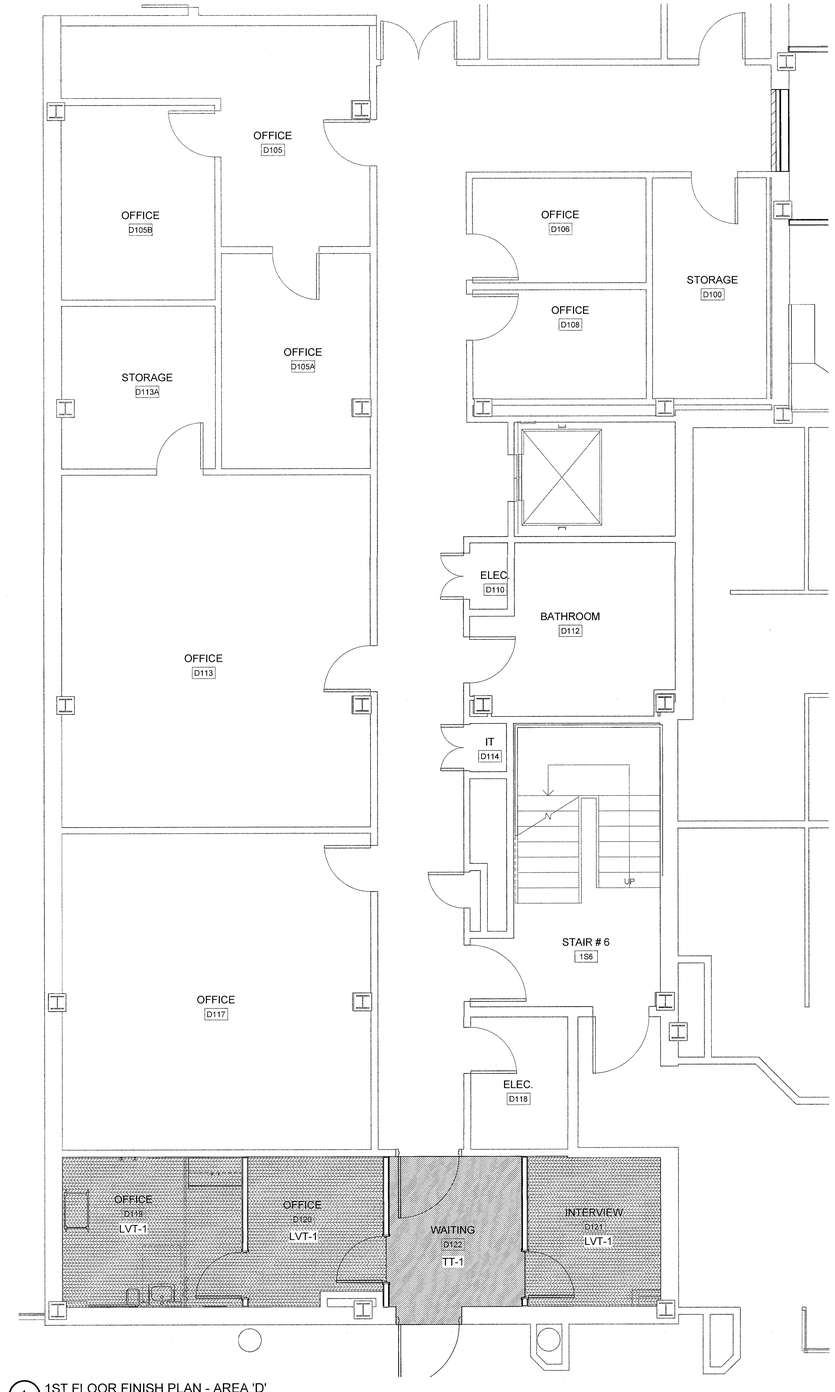
REGISTERED ARCHITECT THOMAS R. GREGORY 021472 STATE OF NEW YORK

12 of 15

Department of Veterans Affairs



2 KEY PLAN
1/32" = 1'-0"



1 1ST FLOOR FINISH PLAN - AREA 'D'
1/4" = 1'-0"

FINISH FLOORING LEGEND

- TERRAZZO TILE (TT)
- VINYL COMPOSITE TILE (VCT)
- LUXURY VINYL TILE (LVT)

FULLY SPRINKLERED	CONSTRUCTION DOCUMENT

No.	Description	Date

CONSULTANTS:

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P.O. BOX 344 - 23 Mechanic Street
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RJR Project #14036

SWBR
SWBR ARCHITECTS
309 South Franklin Street Syracuse, NY 13202
Voice: 315.488.5635 www.swbr.com
SWBR Project #14310

Drawing Title: FLOOR FINISH PLANS

Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Project Number: 528A7-14-701

Building Number: 1

Location: 800 Irving Ave, Syracuse, NY

Date: 10/01/2015 | Checked: FJK | Drawn: IPV

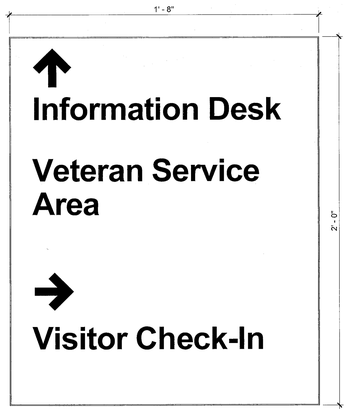
Drawing Number: A-141

Dwg 13 of 56

REGISTERED ARCHITECT THOMAS R. GEARS STATE OF NEW YORK 021472

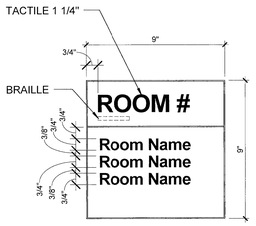
Department of Veterans Affairs

VA FORM 08-6231, Oct 1978 REVISIONS



A

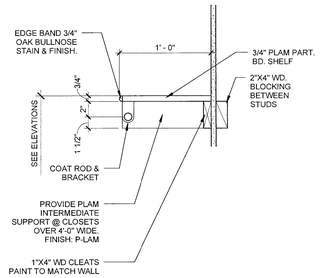
WALL DIRECTIONAL WITH INSERT #IN-14.06
3" = 1'-0"



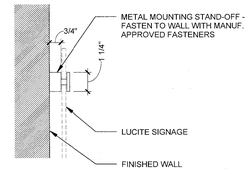
B

PRIMARY ROOM IDENTIFICATION WITH INSERT #IN-04.03
3" = 1'-0"

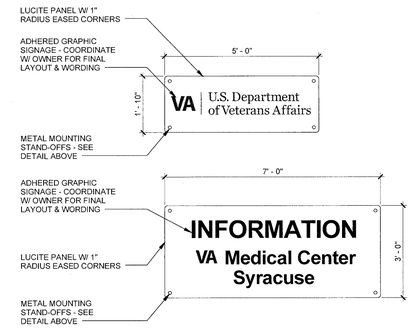
14 INTERIOR ROOM SIGNAGE
3" = 1'-0"



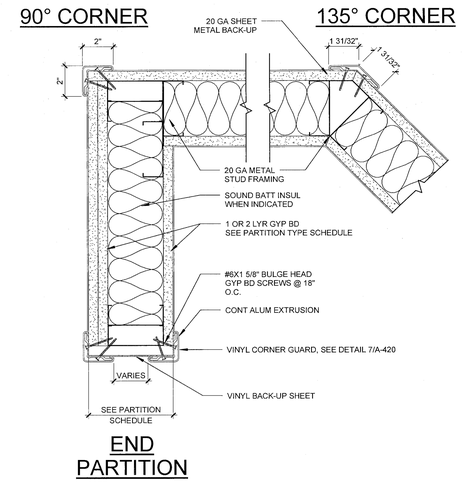
13 SHELF & COAT ROD DETAIL
1 1/2" = 1'-0"



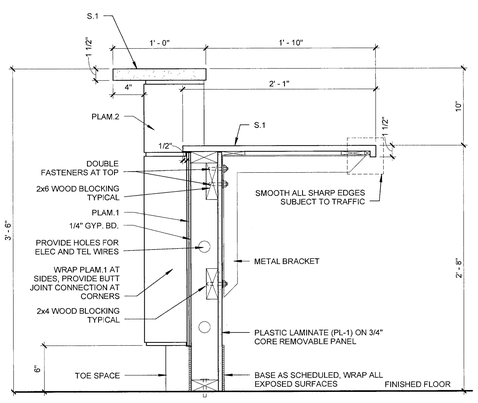
12A STAND-OFF DETAIL
3" = 1'-0"



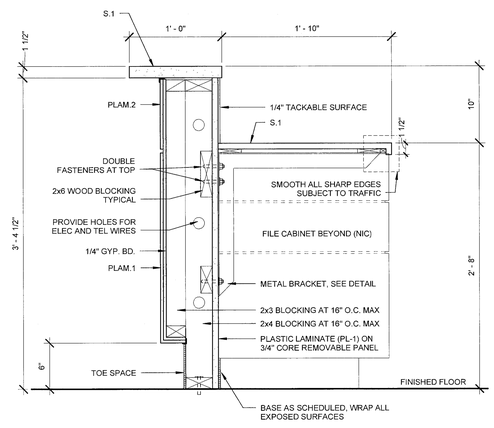
12 INFORMATION SIGN
1/2" = 1'-0"



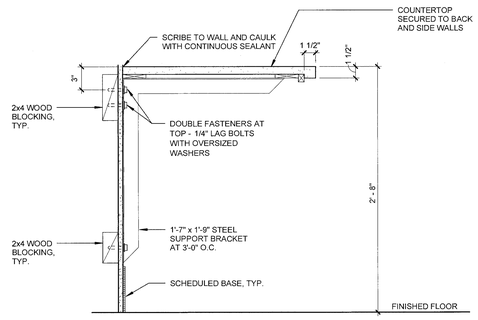
11 VINYL CORNER GUARD DETAILS
3" = 1'-0"



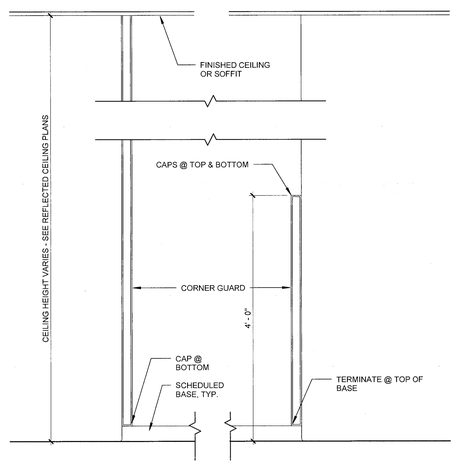
10 SECTION THRU RECEPTION DESK @ ADA HEIGHT
1 1/2" = 1'-0"



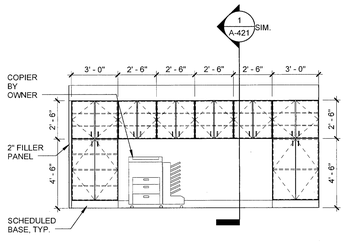
9 SECTION THRU RECEPTION DESK
1 1/2" = 1'-0"



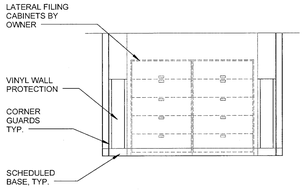
8 SECTION - COUNTER WITH BRACKET SUPPORT
1 1/2" = 1'-0"



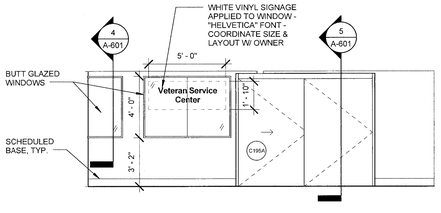
7 CORNER GUARD ELEVATION
1" = 1'-0"



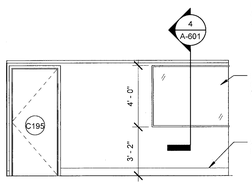
6 COPIER CABINET - WEST ELEVATION
1/4" = 1'-0"



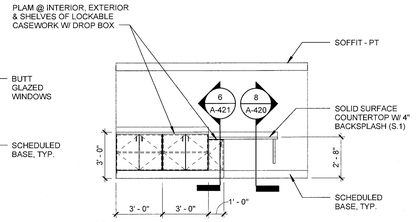
5 COPIER CABINET - EAST ELEVATION
1/4" = 1'-0"



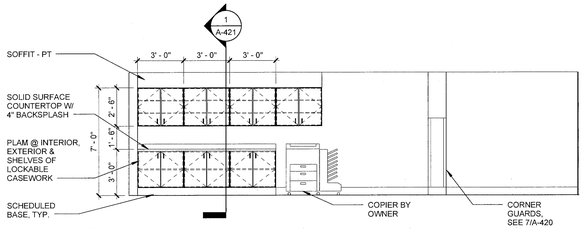
4 VETERAN ASSISTANCE - WEST ELEVATION 2
1/4" = 1'-0"



3 VETERAN ASSISTANCE - NORTH ELEVATION
1/4" = 1'-0"



2 REIMBURSMENT COUNTER ELEVATION
1/4" = 1'-0"



1 VETERAN ASSISTANCE - WEST ELEVATION 1
1/4" = 1'-0"

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No.	Description	Date

VA FORM 08-6231, Oct 1978 REVISIONS

CONSULTANTS:

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ARCHITECTS/ENGINEERS:

RJR ENGINEERING, P.C.
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SWBR Project #14310

Drawing Title: INTERIOR ELEVATIONS & DETAILS

Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Project Number: 528A7-14-701

Building Number: 1

Location: 800 Irving Ave, Syracuse, NY

Date: 10/01/2015 | Checked: FJK | Drawn: IPV

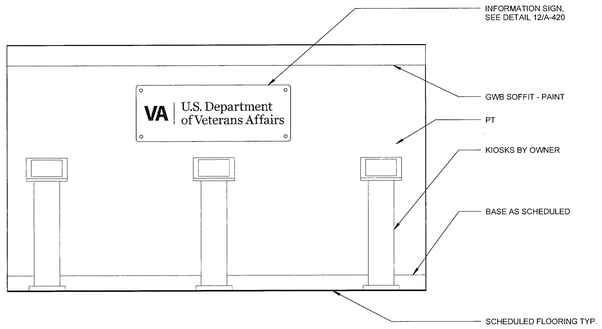
Drawing Number: A-420

Dwg 14 of 56

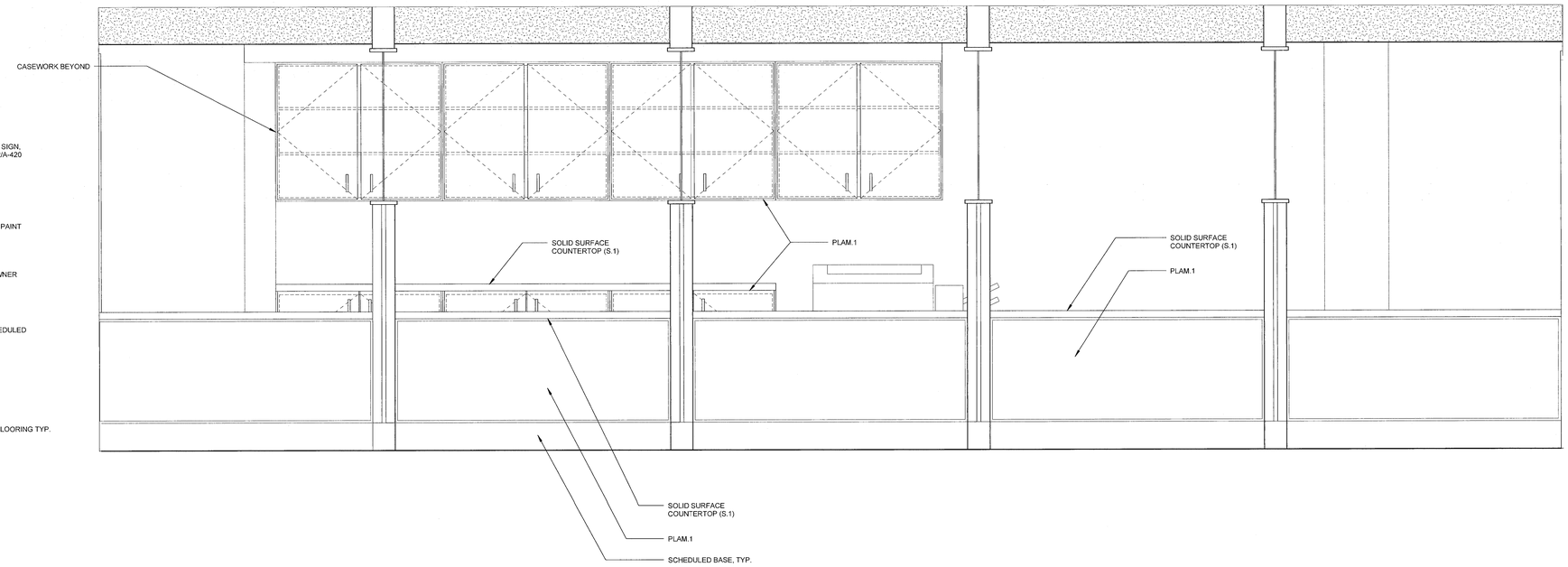
REGISTERED ARCHITECT THOMAS R. GERAS STATE OF NEW YORK 021472

10/01/15

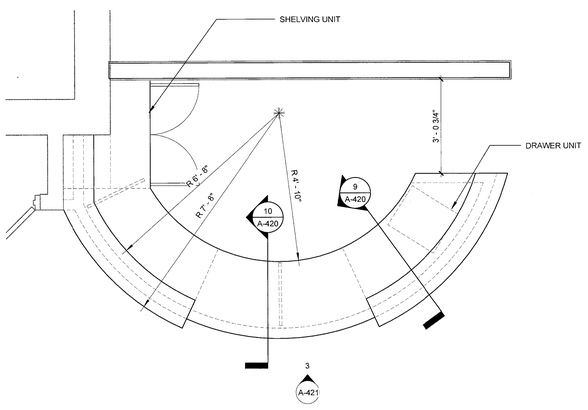
Department of Veterans Affairs



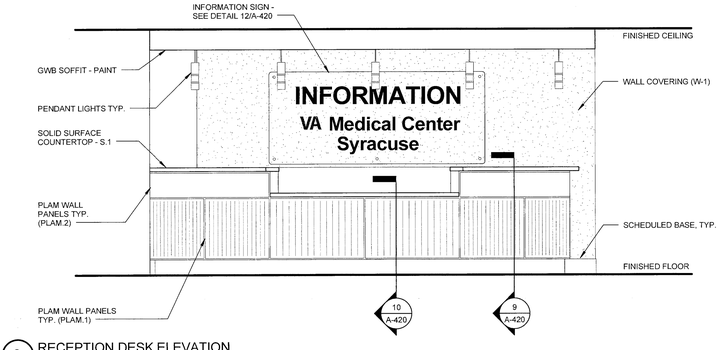
5 KIOSK ALCOVE ELEVATION
1/2" = 1'-0"



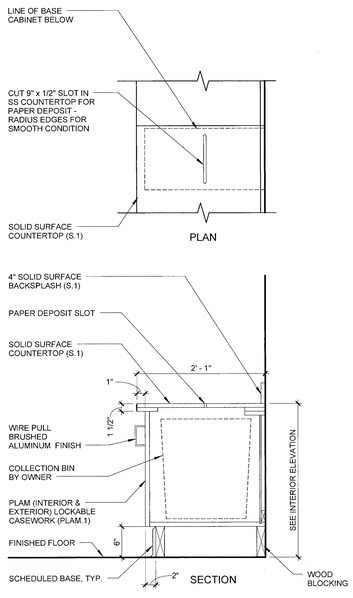
2 VETERAN ASSISTANCE DESK ELEVATION
1" = 1'-0"



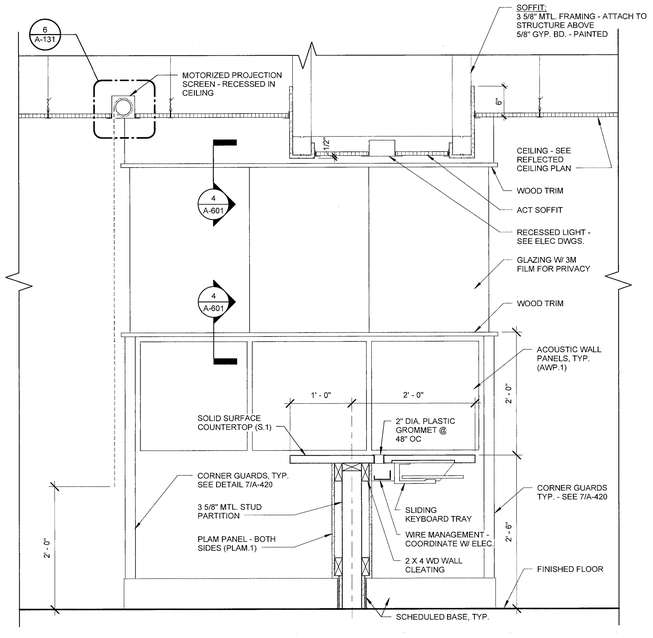
4 ENLARGED RECEPTION DESK FLOOR PLAN
1/2" = 1'-0"



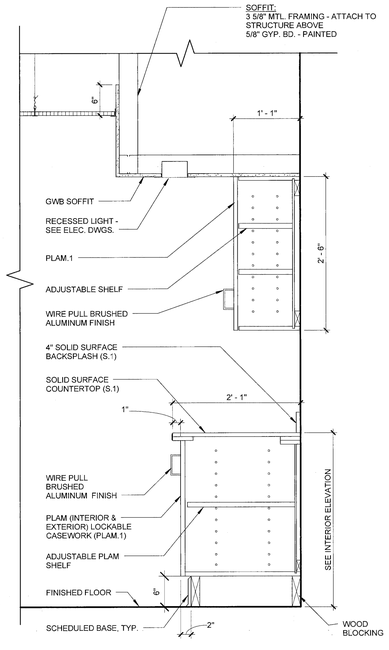
3 RECEPTION DESK ELEVATION
1/2" = 1'-0"



6 SECTION - CASEWORK
1" = 1'-0"



1A ELEVATION @ PARTITION WALL
1" = 1'-0"



1 SECTION - CASEWORK
1" = 1'-0"

FULLY SPRINKLERED | CONSTRUCTION DOCUMENT

No.	Description	Date

VA FORM 08-6231, Oct 1978 REVISIONS

CONSULTANTS:

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Drawing Title: ENLARGED PLANS & CASEWORK DETAILS

Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Project Number: 528A7-14-701

Building Number: 1

Location: 800 Irving Ave, Syracuse, NY

Date: 10/01/2015 | Checked: FJK | Drawn: IPV

Drawing Number: A-421

Dwg 15 of 56

REGISTERED ARCHITECT THOMAS R. GRAF 021413 STATE OF NEW YORK
10/5/15

Department of Veterans Affairs

DOOR SCHEDULE - UNIT TYPE 'B'

DOOR #	DOOR SIZE LEAFS	WIDTH	HEIGHT	THICK	TYPE	MATERIAL	FINISH	GLASS	DOOR LOUVER	FRAME ELEVATION	TYPE	MATERIAL	FINISH	HARDWARE	LABEL	THRESHOLD	REMARKS
C102	1	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PREFIN	TEMPERED	-	B	J1	HM	PT	HW-3F	-	LVT TO VCT	-
C104	1	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PREFIN	-	-	A	J1	HM	PT	HW-3H	-	LVT TO VCT	-
C137	1	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PREFIN	-	-	A	J1	HM	PT	HW-3F	-	LVT TO TT	-
C138	1	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PREFIN	-	-	A	J1	HM	PT	HW-4D	-	LVT TO VCT	-
C154A	1	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PREFIN	-	-	A	J1	HM	PT	HW-3E	-	-	-
C195	1	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PREFIN	-	-	A	J1	HM	PT	HW-4D	-	LVT TO TT	-
C195A	2	8' - 8 1/2"	7' - 0"	0' - 1 3/4"	FG	ALUM	PREFIN	TEMPERED	-	C	J3	ALUM	PREFIN	SEE SPEC	-	DETAIL 5/A-601	POSITIVE LATCH
C196A	1	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PREFIN	-	-	A	J1	HM	PT	HW-3E	-	-	-
C196B	1	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PREFIN	-	-	A	J1	HM	PT	HW-3E	-	-	-
D119	1	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PREFIN	-	-	A	J1	HM	PT	HW-3E	-	-	-
D120	1	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PREFIN	-	-	A	J1	HM	PT	HW-3E	-	LVT TO TT	-
D121	1	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PREFIN	-	-	A	J1	HM	PT	HW-3E	-	LVT TO TT	-
D122A	1	4' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PREFIN	-	-	A	J1	HM	PT	HW-6F	-	TT TO VCT	CARD READER
D122B	1	4' - 0"	7' - 0"	0' - 1 3/4"	F	WD	PREFIN	-	-	A	J2	HM	PT	HW-6C	90 MIN.	TT TO VCT	-

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR MATERIAL/ FINISH	BASE MATERIAL/ FINISH	WALL NORTH MATERIAL	WALL NORTH FINISH	WALL SOUTH MATERIAL	WALL SOUTH FINISH	WALL EAST MATERIAL	WALL EAST FINISH	WALL WEST MATERIAL	WALL WEST FINISH	CEILING FINISH
PARTIAL FIRST FLOOR PLAN												
C100	MISC. OFFICE	SVT-1	RB-2	EXIST. GYP. BD.	PAINT	EXIST. GYP. BD.	PAINT	EXIST. GYP. BD.	PAINT	EXIST. GYP. BD.	PAINT	ACT-1
C102	MY HEALTH E-VET OFFICE	SVT-1	RB-2	EXIST. GYP. BD.	PAINT	EXIST. GYP. BD.	PAINT	EXIST. GYP. BD.	PAINT	EXIST. GYP. BD.	PAINT	ACT-1
C104	A.O.D. OFFICE	SVT-1	RB-2	EXIST. GYP. BD.	PAINT	EXIST. GYP. BD.	PAINT	EXIST. GYP. BD.	PAINT	EXIST. GYP. BD.	PAINT	ACT-1
C123	WAITING	TT-2	RB-1	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	ACT-1
C137	OFFICE	SVT-1	RB-2	EXIST. GYP. BD.	PAINT	EXIST. GYP. BD.	PAINT	EXIST. GYP. BD.	PAINT	GYP. BD.	PAINT	ACT-1
C138	OFFICE CUBICLES	SVT-1	RB-2	EXIST. GYP. BD.	PAINT	EXIST. GYP. BD.	PAINT	EXIST. GYP. BD.	PAINT	GYP. BD.	PAINT	ACT-1
C139	MAIN LOBBY	TT-1 / TT-2	RB-1	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	ACT-1
C139A	INFO DESK	TT-1 / TT-2	RB-1	-	-	GYP. BD.	WC-1	-	-		-	GYP. BD
C154	OFFICE	SVT-1	RB-2	GYP. BD.	PAINT	GYP. BD.	PAINT	EXIST. GYP. BD.	PAINT	GYP. BD.	PAINT	ACT-1
C195	VETERAN ASSISTANCE	SVT-1	RB-2	GYP. BD.	PAINT	GYP. BD.	PAINT	EXIST. GYP. BD.	PAINT	GYP. BD.	PAINT	ACT-1
C196	PRIVATE INTERVIEW	SVT-1	RB-2	EXIST. GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	ACT-1
D119	OFFICE	SVT-1	RB-2	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	ACT-1
D120	OFFICE	SVT-1	RB-2	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	ACT-1
D121	INTERVIEW	SVT-1	RB-2	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	ACT-1
D122	WAITING	TT-1	RB-1	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	ACT-1

SIGNAGE SCHEDULE

ROOM NUMBER	MESSAGE	SIGN TYPE	COMMENTS
C100	MISC. OFFICE	B	
C102	MY HEALTH E-VET OFFICE	B	
C104	A.O.D. OFFICE	B	
C123	WAITING	B	
C137	OFFICE	B	
C138	OFFICE CUBICLES	B	
C139	MAIN LOBBY	A	SEE ADDITIONAL SIGNAGE NOTES
C139A	INFO DESK	B	SEE ADDITIONAL SIGNAGE NOTES
C154	OFFICE	B	
C195	VETERAN ASSISTANCE	B	SEE ADDITIONAL SIGNAGE NOTES
C196	PRIVATE INTERVIEW	B	
D119	OFFICE	B	
D120	OFFICE	B	
D121	INTERVIEW	B	
D122	WAITING	B	

*CONFIRM ROOM NAMES & NUMBERS WITH OWNER

SIGNAGE NOTES

ROOM	MESSAGE	NOTES
MAIN LOBBY C139	INFORMATION DESK VETERANS SERVICE AREA VISITOR CHECK-IN	SEE FLOOR PLAN: 1/A-111 FOR LOCATION
VETERANS ASSISTANCE C195	VETERAN SERVICE AREA	SEE ELEVATION DETAIL: 4/A-420
INFORMATION DESK C139A	INFORMATION VA MEDICAL CENTER SYRACUSE	SEE ELEVATION DETAIL: 12/A-420 (LARGE)
KIOSK ALCOVE	VA | US DEPARTMENT OF VETERANS AFFAIRS	SEE ELEVATION DETAIL: 12/A-420 (SMALL)

COLOR LEGEND

TERRAZZO TILE (TT)

TT-1 FRITZTILE, RGLASS COLLECTION 12" x 12", THICKNESS 3/16", COLOR : R682021 DESERT

TT-2 FRITZTILE, NATURAL QUARRY COLLECTION 12" x 12", THICKNESS 3/16", COLOR : Q160271 AUTUMN

LUXURY VINYL TILE (LVT)

LVT-1 ARMSTRONG NATURAL CREATIONS VINYL PLANK 4" x 36", THICKNESS 1/8", .05MIL WEAR LAYER, ASTM E648, ASTM E622, CLASS 1, COLOR: TP018: ALDER MID

RUBBER BASE (RB)

RB.1 JOHNSONITE RUBBER WALL BASE, MILLWORK SERIES 6" TRADITIONAL SERIES, .25" THICKNESS, COLOR: #281 GRIZZLY

RB.2 JOHNSONITE RUBBER WALL BASE, 6" HIGH COVE BASE, COLOR: #281 GRIZZLY

PAINT (PT)

P.1 PITTSBURG PAINT, COLOR : #PPG14-20 PURITY, FINISH: SATIN
LOCATION: GENERAL PAINT

P.2 PITTSBURG PAINT, COLOR : #PPG14-20 PURITY, FINISH: SEMIGLOSS
LOCATION: DOOR FRAMES

P.3 PITTSBURG PAINT, COLOR : #PPG11-20 SCOTTISH MOOR, FINISH: SATIN
LOCATION: ACCENT WALL

P.4 PITTSBURG PAINT, COLOR : #PPG1098-4 SPICED VINEGAR, FINISH: SATIN
LOCATION: ACCENT WALL

P.5 PITTSBURG PAINT, COLOR : #1001-1 DELICATE WHITE, FINISH: FLAT
LOCATION: DRYWALL CEILING/SOFFIT

P.6 PITTSBURG PAINT, COLOR: #PPG1098-4 SPICED VINEGAR, FINISH: SEMIGLOSS
LOCATION: METAL DOORS

CEILINGS (ACT)

ACT-1 ARMSTRONG COMMERCIAL CEILINGS ULTIMA SQUARE LAY-IN 2 X 2 SQUARE EDGE ITEM #1910HCR WITH 15/16" GRID

WALL PROTECTION (WP)

WP-1 INPRO SURFACE MOUNTED CORNER GUARDS #154, 3" WING, 90 DEGREE, 3"x3"x4', COLOR: CHAMOIS #0234

WP-2 INPRO RIGID SHEETS #305, .040 THICK, 4'x8' SHEET, COLOR: CHAMOIS #0234

WP-3 INPRO RIGID SHEETS #305, .040 THICK, 4'x8' SHEET, COLOR: APRIL JADE #0374

NOTE: CORNER GUARDS ARE TO MATCH THE ADJACENT WALL COLOR

WALL COVERING (W)

W-1 DAL TILE SLIMLITE QUARTZITE SILVER S196 24" x 48" PANELS
LOCATION: AS NOTED ON PLANS

WINDOW FILM

DECORATIVE FILMS BY SLOYX, SX3131: ECO DUSTED

TACK PANEL AT RECEPTION DESK

WALL TALKERS TAC WALL, #62: PEWTER

ACOUSTICAL WALL PANELS

AWP.1 ARMSTRONG SOUND SOAK 60 MINERAL SUBSTRATE, HALF BEVEL EDGE CARNEGIE XOREL STRIE 6423-830

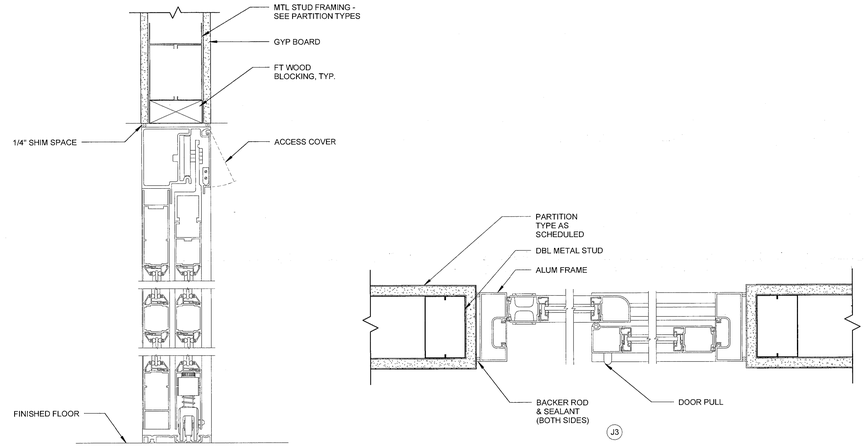
PLASTIC LAMINATE (PLAM)

PLAM.1 WILSONART, KENSINGTON MAPLE: 1077.60

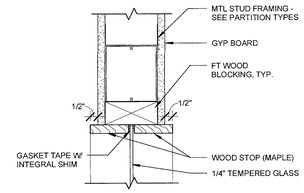
PLAM.2 NEVAMAR, VICS VENUE: RK6004CU

SOLID SURFACE (SS)

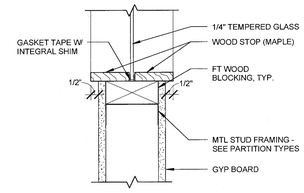
S.1 CORIAN, COLOR : FOSSIL



5 DOOR DETAILS
3" = 1'-0"

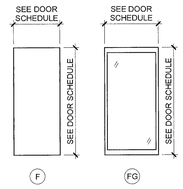


HEAD

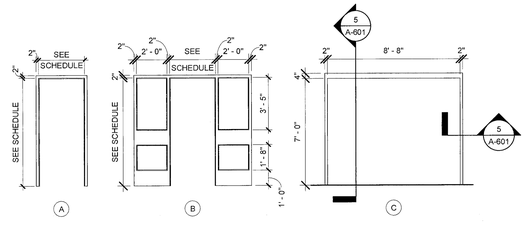


SILL

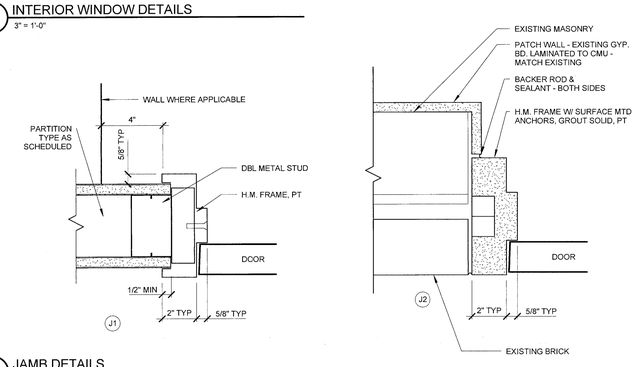
4 INTERIOR WINDOW DETAILS
3" = 1'-0"



2 DOOR ELEVATIONS
1/4" = 1'-0"



1 DOOR FRAME ELEVATIONS
1/4" = 1'-0"



3 JAMB DETAILS
3" = 1'-0"

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SWBR Project #14310

Drawing Title: DOOR & FINISH SCHEDULES, DOOR & FRAME ELEVATIONS & DETAILS

Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Project Number: 528A7-14-701

Building Number: 1

Location: 800 Irving Ave, Syracuse, NY

Date: 10/01/2015 | Checked: FJK | Drawn: IPV

Drawing Number: A-601

Dwg 16 of 56

REGISTERED ARCHITECT THOMAS R. GEALE 021473 STATE OF NEW YORK

Department of Veterans Affairs

ABBREVIATIONS

AC	AIR CONDITIONING UNIT
AD	ACCESS DOOR
AF	AFTER FILTER
AFCE	AIR FLOW CONTROL VALVE
AFM	AIR FLOW MEASURING DEVICE
AFW	AIR FOIL WHEEL
AHU	AIR HANDLING UNIT
AI	ANALOG INPUT
AO	ANALOG OUTPUT
AP	ACCESS PANEL
BI	BINARY INPUT
BIW	BACKWARD INCLINED WHEEL
BG	BOTTOM GRILLE (WALL TYPE)
BO	BINARY OUTPUT
BR	BOTTOM REGISTER (WALL TYPE)
C	CONVERTOR
CC	COOLING COIL
CD	CEILING DIFFUSER
CF	CENTRIFUGAL FAN
CG	CEILING GRILLE
CO	CLEAN OUT
COMP.	COMPRESSOR
CONV.	CONVECTOR
CP	CONDENSATE PUMP
CR	CEILING REGISTER
CUH	CABINET UNIT HEATER
CW	COLD WATER
D	AUTOMATIC DAMPER
Db	DRY BULB TEMPERATURE
dB	DECIBELS
DD	DISCHARGE DAMPERS
Dp	DEWPOINT TEMPERATURE
E/A	EXHAUST AIR
ECC	ENGINEERING CONTROL CENTER
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EMD	END OF MAIN DRIP (STEAM)
ERC	ENERGY RECOVERY COIL
ET	EXPANSION TANK
EX.	EXISTING
FC	FLEXIBLE CONNECTION
FCU	FAN COIL UNIT
FCW	FORWARD CURVED FAN
FLR.	FLOOR
FD	FIRE DAMPER
FS	FACTORY FABRICATED FAN SECTION
FTR	FIN TUBE RADIATION
GH	GRAVITY HOOD
HC	HEATING COIL
HD	HOOD
HE	AIR TO AIR HEAT EXCHANGER
HF	HEPA FILTER
HP	HORSEPOWER
HPR	HIGH PRESSURE STEAM CONDENSATE RETURN
HPS	HIGH PRESSURE STEAM
HRP	HYDRONIC RADIANT CEILING PANEL
HV	HEATING AND VENTILATING UNIT
ICF	IN-LINE CENTRIFUGAL FAN
IEF	INDUSTRIAL EXHAUST FAN
IFB	INTEGRAL FACE AND BYPASS
LCD	LINEAR CEILING DIFFUSER
LPR	LOW PRESSURE STEAM CONDENSATE RETURN
LPS	LOW PRESSURE STEAM
LTCP	LOCAL TEMPERATURE CONTROL PANEL
LBS/HR	POUNDS PER HOUR
MB	MIXING BOX
MER	MECHANICAL ROOM
MPR	MEDIUM PRESSURE STEAM CONDENSATE RETURN
MPS	MEDIUM PRESSURE STEAM
MAX.	MAXIMUM
MIN.	MINIMUM
NOM.	NOMINAL
O/A	OUTDOOR AIR
P	PUMP
PC	PUMPED CONDENSATE
PD	PRESSURE DROP
PEF	PROPELLER TYPE EXHAUST FAN
PF	PRE-FILTER
PGW	PROPYLENE GLYCOL-WATER SOLUTION
PH	PREHEAT
POD	POWER OPERATED, OPPOSED BLADE DAMPER
PPD	POWER OPERATED, PARALLEL BLADE DAMPER
PRV	PRESSURE REDUCING VALVE
R/A	RETURN AIR
RF	RETURN FAN
RH	REHEAT COIL
Rh	RELATIVE HUMIDITY
RV	POWER TYPE ROOF VENTILATOR
S/A	SUPPLY AIR
SA	SOUND ATTENUATING UNIT
SCD	SMOKE CONTROL DAMPER
SD.	SMOKE DAMPER
Sp. Gr.	SPECIFIC GRAVITY
SH	STEAM HUMIDIFIER
SP	STATIC PRESSURE
SPS	STATIC PRESSURE SENSOR
TG	TOP GRILLE (WALL TYPE)
TR	TOP REGISTER (WALL TYPE)
UH	UNIT HEATER
URV	UPBLAST POWER TYPE ROOF VENTILATOR
UV	UNIT VENTILATOR
V	VALVE
VCC	VOLUMETRIC CONTROL CENTER
VD	VOLUME DAMPER (MANUAL OPPOSED BLADE)
VE	VOLUME EXTRACTOR
VFD	VARIABLE FREQUENCY DRIVE
V1	VIBRATION ISOLATOR
VR	VACUUM STEAM CONDENSATE RETURN
VSMC	VARIABLE SPEED MOTOR CONTROLLER
Wb	WET BULB TEMPERATURE
WEF	WALL TYPE EXHAUST FAN
WFMD	WATER FLOW MEASURING DEVICE

DRAWING SYMBOLS

- BUILDING NO. WHERE EQUIPMENT IS LOCATED.
- EQUIPMENT ABBREVIATION (SUPPLY FAN)
- 26-SF 3 — SUPPLY FAN NO.3 IN BUILDING NO.26
- TYPICAL UNIT NO.
- ITEM (TERMINAL UNIT SHOWN)
- TU-1-1 — ITEM NUMBER (TERMINAL UNIT NO.1)
- SERVED BY SUPPLY FAN NO.1
- DIFFUSER TAG
- DIFFUSER/REGISTER/GRILLE TYPE
- A 24x24 200 — DIFFUSER FACE SIZE
- CFM

GENERAL SYMBOLS

- DIRECTION OF PIPE PITCH (DOWN)
- DIRECTION OF FLOW
- ANCHOR
- REDUCER OR INCREASER
- ECCENTRIC REDUCER
- TOP CONNECTION, 45° OR 90°
- BOTTOM CONNECTION, 45° OR 90°
- SIDE CONNECTION
- CAPPED OUTLET
- RISE OR DROP IN PIPE
- UNION
- ORIFICE UNION
- POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
- LIMIT OF DEMOLITION
- BLAST THERMOSTATIC TRAP
- INVERTED BUCKET TRAP SET INCLUDING PIPING ACCESSORIES
- FLOAT & THERMOSTATIC TRAP SET INCLUDING PIPING ACCESSORIES
- THERMOSTATIC TRAP
- STRAINER
- THERMOMETER
- PRESSURE GAGE
- WATER FLOW MEASURING DEVICE
- EXISTING PIPE TO BE REMOVED
- EXISTING DUCT TO BE REMOVED

VALVE SYMBOLS

- GATE VALVE
- GLOBE VALVE
- CHECK VALVE
- ANGLE GLOBE VALVE
- BUTTERFLY VALVE
- BALL VALVE
- BALANCING VALVE
- CIRCUIT SETTER
- STRAIGHT-THRU MODULATING CONTROL VALVE
- STRAIGHT-THRU TWO POSITION CONTROL VALVE
- THREE-WAY MODULATING CONTROL VALVE
- AUTOMATIC FLOW CONTROL VALVE
- SAFETY OR PRESSURE RELIEF VALVE
- PRESSURE REDUCING VALVE
- MANUAL AIR VENT
- TEST PLUG (PRESSURE/TEMPERATURE)

TERMINAL UNIT SYMBOLS

- UNIT HEATER (HORIZONTAL)
- 2"X4" RADIANT CEILING PANEL COOLING WITH CIRCUIT #
- 2"X4" RADIANT CEILING PANEL HEATING WITH CIRCUIT #

DUCTWORK SYMBOLS

- UP — SUPPLY DUCT (UP & DOWN)
- UP — EXHAUST DUCT (UP & DOWN)
- CEILING DIFFUSERS
- SUPPLY DIFFUSER
- EXHAUST REGISTER
- RADIANT CEILING PANEL (H – HEAT, C – COOLING)
- SUPPLY TOP REGISTER OR GRILLE (WALL TYPE)
- EXHAUST OR RETURN CEILING REGISTER OR GRILLE
- EXHAUST OR RETURN BOTTOM REGISTER OR GRILLE (WALL TYPE)
- EXHAUST OR RETURN REGISTER OR TOP GRILLE (WALL TYPE)
- VANED ELBOW & AIR SPLIT TYPE DUCT TAKE-OFF
- CONNECT NEW DUCT TO EXISTING DUCT
- R — INCLINED RISE, IN DIRECTION OF AIR FLOW
- D — INCLINED DROP, IN DIRECTION OF AIR FLOW
- LIMIT OF DEMOLITION
- FC — FLEXIBLE CONNECTION
- VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)
- VANED ELBOW (SHORT RADIUS)
- STANDARD RADIUS ELBOW
- 10x8 — NEW DUCT (WIDTH x DEPTH)
- EXISTING DUCT TO REMAIN
- EXISTING DUCT TO BE REMOVED
- LOUVER (LOUVER SPECIFIED IN ARCHITECTURAL SECTION.)
- FLEXIBLE DUCTWORK (INSULATED)
- DUCT WITH SOUND LINING
- MANUAL VOLUME DAMPER
- VD — FIRE DAMPER
- BDD — BACK DRAFT DAMPER
- N — SMOKE DAMPER
- POINT OF CHANGE IN DUCT CONSTRUCTION BY STATIC PRESSURE CLASS. THE NUMBER ASSIGNS PRESSURE CLASS (IN. OF WATER) WHICH WILL ACCOMMODATE MAXIMUM OPERATING PRESSURE IN THE DUCT SUBSECTION. THE SYMBOL CONTINUES THE ASSIGNMENT UNTIL THE DUCT TERMINATES OR ANOTHER SYMBOL APPEARS. A "N" SUPERSCRIPT INDICATES NEGATIVE PRESSURE.
- 45° SUPPLY — STANDARD BRANCH SUPPLY OR RETURN, NO SPLITTER (45° TAP)
- 45° RETURN
- DUCT MOUNTED COIL (HOT WATER OR STEAM COIL)
- PORTABLE ROOF SUPPORTS FOR DUCTWORK
- DUCT SMOKE DETECTOR
- VARIABLE VOLUME TERMINAL UNIT.
- VARIABLE VOLUME TERMINAL UNIT. SERIES FAN POWERED
- CONVECTOR OR RADIATOR (RECESSED)
- CONVECTOR OR RADIATOR (WALL HUNG)
- A FCU — FLOOR MOUNTED VERTICAL RECESSED FAN COIL UNIT. LETTER INDICATES UNIT SIZE.
- A FCU — FLOOR MOUNTED VERTICAL CABINET FAN COIL UNIT. LETTER INDICATES UNIT SIZE.

PIPING SYMBOLS

HEATING

- HPS — HIGH PRESSURE STEAM (60 PSIG AND ABOVE)
- HPC — HIGH PRESSURE STEAM CONDENSATE RETURN
- MPS — MEDIUM PRESSURE STEAM (16 PSIG THRU 59 PSIG)
- MPC — MEDIUM PRESSURE STEAM CONDENSATE RETURN
- LPS — LOW PRESSURE STEAM (15 PSIG AND BELOW)
- LPC — LOW PRESSURE STEAM CONDENSATE RETURN
- CPD — CONDENSATE PUMP DISCHARGE
- HWS — HOT WATER HEATING SUPPLY
- HWR — HOT WATER HEATING RETURN
- HGH — HOT GLYCOL-WATER HEATING SUPPLY
- HGHR — HOT GLYCOL-WATER HEATING RETURN
- V — VENT LINE
- SWS — SOLAR WATER SUPPLY
- SWR — SOLAR WATER RETURN
- FLOW ARROW

AIR CONDITIONING

- CWS — CHILLED WATER SUPPLY
- CWR — CHILLED WATER RETURN
- CHG — CHILLED GLYCOL-WATER SUPPLY
- CHGR — CHILLED GLYCOL-WATER RETURN
- MW — MAKE-UP WATER
- DL — DRAIN LINE

COMBINATION HEATING AND AIR CONDITIONING

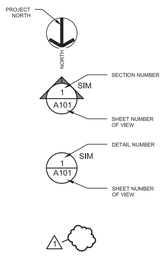
- CH/HWH — CHILLED WATER/HOT WATER HEATING SUPPLY
- CHR/HWHR — CHILLED WATER/HOT WATER HEATING RETURN
- GS — GLYCOL-WATER RUN AROUND SUPPLY
- GR — GLYCOL-WATER RUN AROUND RETURN
- GC/GH — CHILLED GLYCOL-WATER/HOT GLYCOL-WATER HEATING SUPPLY
- GCR/GHR — CHILLED GLYCOL-WATER/HOT GLYCOL-WATER HEATING RETURN

PIPING RISER SYMBOLS

- H — HIGH PRESSURE STEAM
- D — HIGH PRESSURE DRIP RETURN
- HD — HIGH PRESSURE STEAM AND DRIP RETURN
- M — MEDIUM PRESSURE STEAM
- D — MEDIUM PRESSURE DRIP RETURN
- MD — MEDIUM PRESSURE STEAM AND MEDIUM PRESSURE DRIP RETURN
- S — LOW PRESSURE STEAM
- R — LOW PRESSURE RETURN
- SR — LOW PRESSURE STEAM AND RETURN
- CH/CHR — CHILLED WATER SUPPLY AND RETURN
- HWH/HWHR — HOT WATER SUPPLY AND RETURN

CONTROL SYMBOLS

- DI — DIGITAL INPUT (GENERAL)
- DO — DIGITAL OUTPUT (GENERAL)
- AI — ANALOG INPUT (GENERAL)
- AO — ANALOG OUTPUT (GENERAL)
- A — ALARM
- S — STATUS
- F — FLOW SWITCH
- ΔP — DIFFERENTIAL STATIC PRESSURE SWITCH
- R — RELAY
- PROBE SENSOR
- PS — WATER FLOW SENSOR
- WELL
- PNEUMATIC ACTUATOR
- AVERAGING SENSOR
- VSD — VARIABLE SPEED DRIVE
- AIR FLOW SENSOR
- C — COOLING COIL
- E — ELECTRIC ACTUATOR
- BASE MOUNTED PUMP
- IN LINE PUMP
- H — HEATING COIL
- FILTER
- G B — GAS BURNER
- DIFFERENTIAL STATIC PRESSURE MONITOR
- ELECTRIC/PNEUMATIC SWITCH OR RELAY
- PNEUMATIC/ELECTRIC SWITCH OR RELAY
- CT — CURRENT TRANSDUCER
- OPEN/CLOSE
- START/STOP
- ENABLE/DISABLE
- RP-H# — RADIANT PANEL, HEATING CIRCUIT H#
- RP-C# — RADIANT PANEL, COOLING CIRCUIT C#
- AUTOMATIC AIR DAMPER (PARALLEL BLADE)
- M — MAIN CONTROL AIR (TEMP. CONTROL)
- PNEUMATIC CONTROL VALVE (3-WAY)
- PNEUMATIC CONTROL VALVE (2-WAY)
- I — ELECTRONIC INTERFACE
- H — HUMIDIFIER
- ES — END SWITCH
- CO_2 — CARBON DIOXIDE TRANSMITTER
- CO — CARBON MONOXIDE TRANSMITTER
- M — FLOW METER
- OS — OCCUPANCY SENSOR
- M — MOISTURE SENSOR
- SW — SOFTEN WATER
- T — TEMPERATURE SENSOR (DUCT OR PIPE MOUNTED)
- H — HUMIDITY SENSOR (DUCT MOUNTED)
- FLOW TRANSMITTER
- P — PRESSURE TRANSMITTER
- E/P — ELECTRIC/PNEUMATIC TRANSDUCER
- P/E — ELECTRONIC/ELECTRIC TRANSDUCER
- ELECTRICAL INTERFACE
- EA — EXHAUST AIR
- OA — OUTSIDE AIR
- RA — RETURN AIR
- SA — SUPPLY AIR
- FZ — FREEZE-STAT
- AUTOMATIC AIR DAMPER (OPPOSED BLADE)
- HUMIDIFIER DISPERSAN TUBE
- SF — SUPPLY AIR FAN
- RF — RETURN AIR FAN
- EF — EXHAUST AIR FAN
- S — TEMPERATURE SENSOR



NORTH ARROW

SECTION

DETAIL CALLOUT

REVISION TAG

GENERAL CONSTRUCTION NOTES

1. DESIGN CONSTRUCTION AND SAFETY SHALL CONFORM TO ALL LOCAL, STATE AND OWNER SPECIFIC CODES, INCLUDING (BUT NOT LIMITED TO) THE INTERNATIONAL BUILDING CODE (IBC 2012), THE NFPA 101 LIFE SAFETY CODE, LATEST REVISION, ANSI A117.1 - LATEST REVISION, OSHA, AND ANY OTHER CODES GOVERNED BY THE JURISDICTION IN WHICH THIS PROJECT IS BEING CONSTRUCTED
2. THIS CONTRACT REQUIRES COMPLETE FINISHED WORKABLE PROJECT OF THE AREAS INDICATED BY THE CONTRACT DOCUMENTS, AND SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY TO COMPLETE, REGARDLESS OF WHETHER OR NOT ALL WORK OR EACH ITEM IS SPECIFICALLY INDICATED ON ANY OTHER PORTION OF THE DRAWINGS AND/OR NOTES.
3. WHERE MATERIALS REFERENCED ON DRAWINGS, OR NECESSARY TO COMPLETE THE WORK OF THIS CONTRACT ARE NOT SPECIFIED HEREIN, PROVIDE BEST QUALITY MATERIAL. WHERE MATERIALS ARE INTENDED TO MATCH EXISTING, PROVIDE CLOSEST POSSIBLE MATCH, SUBJECT TO OWNERS APPROVAL. ALL ITEMS AND WORK ON DRAWINGS ARE NEW, UNLESS INDICATED EXISTING. ALL WORK WHICH HAS BEEN DAMAGED SHALL BE REPAIRED TO A "NEW CONDITION", OR WHERE THE STRUCTURAL INTEGRITY HAS BEEN AFFECTED, ITEMS SHALL BE REPLACED AT NO COST TO THE OWNER.
4. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL SITE, FIELD AND BUILDING CONDITIONS PRIOR TO SUBMITTING BIDS AND COMMENCING WORK. IF THERE ARE ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS, NOTIFY THE CONSTRUCTION MANAGER AND ARCHITECT/ENGINEER AND REQUEST CLARIFICATION.
5. DRAWINGS MAY NOT INDICATE ALL DEMOLITION/REMOVALS. CONTRACTOR SHALL REFER TO DRAWINGS, SPECIFICATIONS AND VERIFY FIELD CONDITIONS TO DETERMINE FULL SCOPE AND PARTICULARS OF REMOVALS AS REQUIRED FOR AND COORDINATED WITH THE NEW WORK PRIOR TO BIDDING WORK. VERIFY AND CONFIRM WITH OWNER WHICH ITEMS ARE TO BE SAVED FOR OWNER'S USE OR REINSTALLATION BY CONTRACTOR.
6. WHERE CONSTRUCTION OR ITEMS HAVE BEEN INFILLED, REMOVED AND/OR DISTURBED FOR INSTALLATION OF NEW WORK, CAUSING THE EXPOSURE OF UNFINISHED AND/OR DAMAGED SURFACES, RESULTING SURFACES AND INFILLED SURFACES SHALL BE RECONSTRUCTED WITH MATERIALS TO MATCH FINISHED AREAS. ALL ABANDONED OPENINGS (I.E., DUCT/PIPE REMOVALS, ETC.) AT WALLS, ROOF OR FLOOR TO BE INFILLED SOLID.
7. WORK IS REQUIRED IN VARIOUS PORTIONS OF THE FACILITY TO EXECUTE WORK OF OTHER TRADES (I.E. ELECTRICAL, MECHANICAL). ALTHOUGH NOT NECESSARILY SHOWN ON DRAWINGS, WORK IS REQUIRED IN THESE AREAS CONSISTING OF PLACEMENT OF CEILINGS, WALL, FINISHES, PAVEMENT AND OTHER CONSTRUCTION AS NECESSARY TO PERFORM WORK AND RESTORE THESE SPACES OR AREAS TO ORIGINAL CONDITIONS.
8. CONTRACTOR SHALL OBTAIN FROM OWNER ALL REQUIREMENTS FOR INSTALLATION OF OWNER PROVIDED EQUIPMENT INCLUDING ROUGHING DIAGRAMS, INSTALLATION INSTRUCTIONS, ELECTRICAL SCHEMATICS, TEMPLATES, LAYOUTS AND DIMENSIONS AND ALL OTHER INFORMATION IN NECESSARY FOR A PROPER, WELL COORDINATED INSTALLATION. PRIOR TO ROUGH-IN OF SERVICES, CONFER WITH OWNER EXACT LOCATION OF ALL ITEMS.
9. CONTRACTOR SHALL COORDINATE THE WORK WITH EACH TRADE SO THAT THE WORK AND SCHEDULE ARE NOT IMPEDED. SCHEDULE WORK PROGRESS THROUGHOUT THE ENTIRE PROJECT TO PREVENT CONFLICTS AND INTERFERENCES. OBTAIN ALL NECESSARY INFORMATION SUCH AS SIZES, LOCATIONS, TEMPLATES, LAYOUT, DIMENSIONS AND ALL OTHER INFORMATION NECESSARY FOR A PROPER AND WELL COORDINATED INSTALLATION. PRIOR TO INSTALLATION OF ITEMS, VERIFY AND CONFIRM WITH EACH TRADE EXACT LOCATION OF ALL ITEMS
10. ALL PENETRATIONS THROUGH FLOORS AND FULL HEIGHT WALLS TO BE FIRE STOPPED. ALL GAPS AND JOINTS AT RATED FLOORS, ROOFS AND WALL TO BE FIRE AND SMOKE STOPPED. GAPS AND JOINTS INCLUDE (BUT ARE NOT LIMITED TO) TOP OF WALL TO FLOOR OR ROOF DECK WALL TO BEAMS, AND CONTROL OR EXPANSION JOINTS. FIRE STOPPING INCLUDES BOTH FORM OR PACKING MATERIAL AND THE FILL, VOID OR CAVITY MATERIAL.
11. WOOD USED FOR BLOCKING OR OTHER PURPOSES ON OR ABOVE THE ROOF DECK WITHIN 2'-0" OF GRADE AND OTHER LOCATIONS OUTSIDE THE BUILDING ENVELOPE WHERE EXPOSED TO THE WEATHER, SHALL BE PRESSURED TREATED TYPE. WOOD USED FOR BLOCKING OR OTHER PURPOSES SHALL BE FIRE RETARDANT TYPE.
12. PROVIDE BUILDING EXPANSION JOINT AND CONTROL JOINTS AT INTERIOR AND EXTERIOR MASONRY WALLS PER THE BRICK INSTITUTE OF AMERICA AND THE NATIONAL CONCRETE MASONRY ASSOCIATION SPECIFICATIONS AND RECOMMENDATIONS, AND WHERE BUILDING ADDITIONS MEET EXISTING BUILDING, AT RATED WALLS, EXPANSION JOINT OR CONTROL JOINT TO EQUAL WALL RATING.
13. ALL DRAWINGS INDICATED AS GENERAL APPLY TO ENTIRE PROJECT, INCLUSIVE OF ALL BUILDINGS.

APPLICABLE CODES

THE APPLICABLE MODEL CODES, STANDARDS AND REFERENCES DOCUMENTS TO THE PROJECT ARE AS FOLLOWS:

- NFPA 101 LIFE SAFETY CODE (2015)
- NFPA NATIONAL FIRE CODES
- ASHRAE STANDARDS
- INTERNATIONAL MECHANICAL CODE (2012)
- NFPA 70 NATIONAL ELECTRICAL CODE (NEC 2014)
- OCCUPATIONAL, SAFETY AND HEALTH ADMINISTRATION (OSHA)
- VA SEISMIC DESIGN REQUIREMENTS, H-18-8
- VA DIRECTIVES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA STANDARD APPLICATION GUIDE, AND OTHER GUIDANCE ON THE TECHNICAL INFORMATION LIBRARY

WHEN THIS ITEM IS STAMPED BY A LICENSED PROFESSIONAL ENGINEER IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW TITLE XIII ARTICLE 145 SECTION 7209 FOR ANY PERSON UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER TO ALTER THE ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS ALTERED THE ALTERING ENGINEER SHALL COMPLY WITH NEW YORK STATE EDUCATION LAW.

FULLY SPRINKLERED

CONSTRUCTION DOCUMENT

No.	Description	Date
	REVISIONS	

CONSULTANTS:

STAMP

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RJR Project #14036

SWBR ARCHITECTS
309 South Franklin Street Syracuse, NY 13202
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SWBR Project #14310

Drawing Title: MECHANICAL GENERAL NOTES AND LEGEND

Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Project Number: 528A7-14-701

Building Number: 1

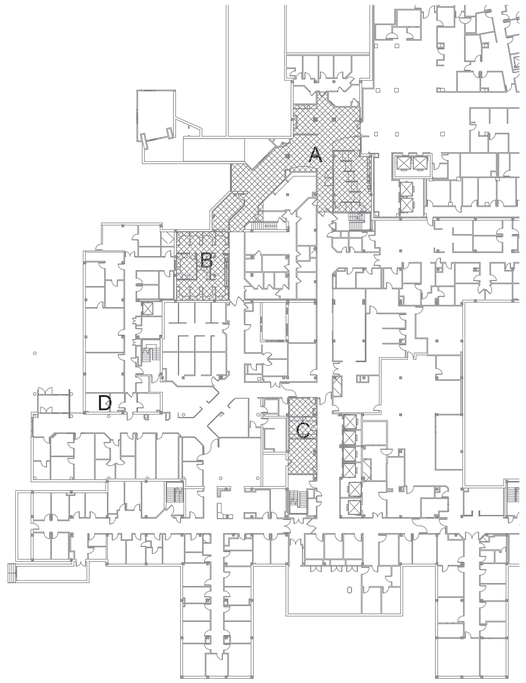
Location: 800 Irving Avenue Syracuse, NY 13210

Date: 10/01/15 | Checked: EAG | Drawn: ELK

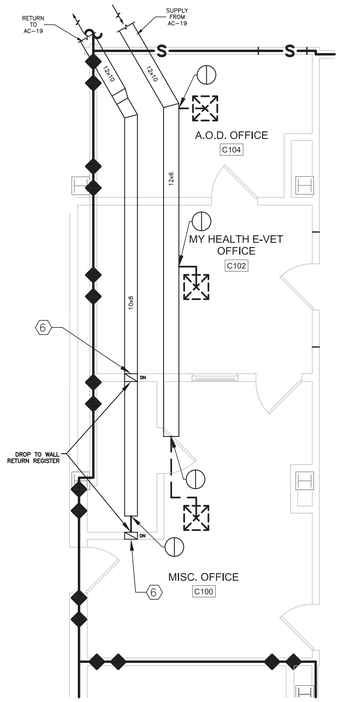
Drawing Number: M-001

Dwg 17 of 56

Department of Veterans Affairs



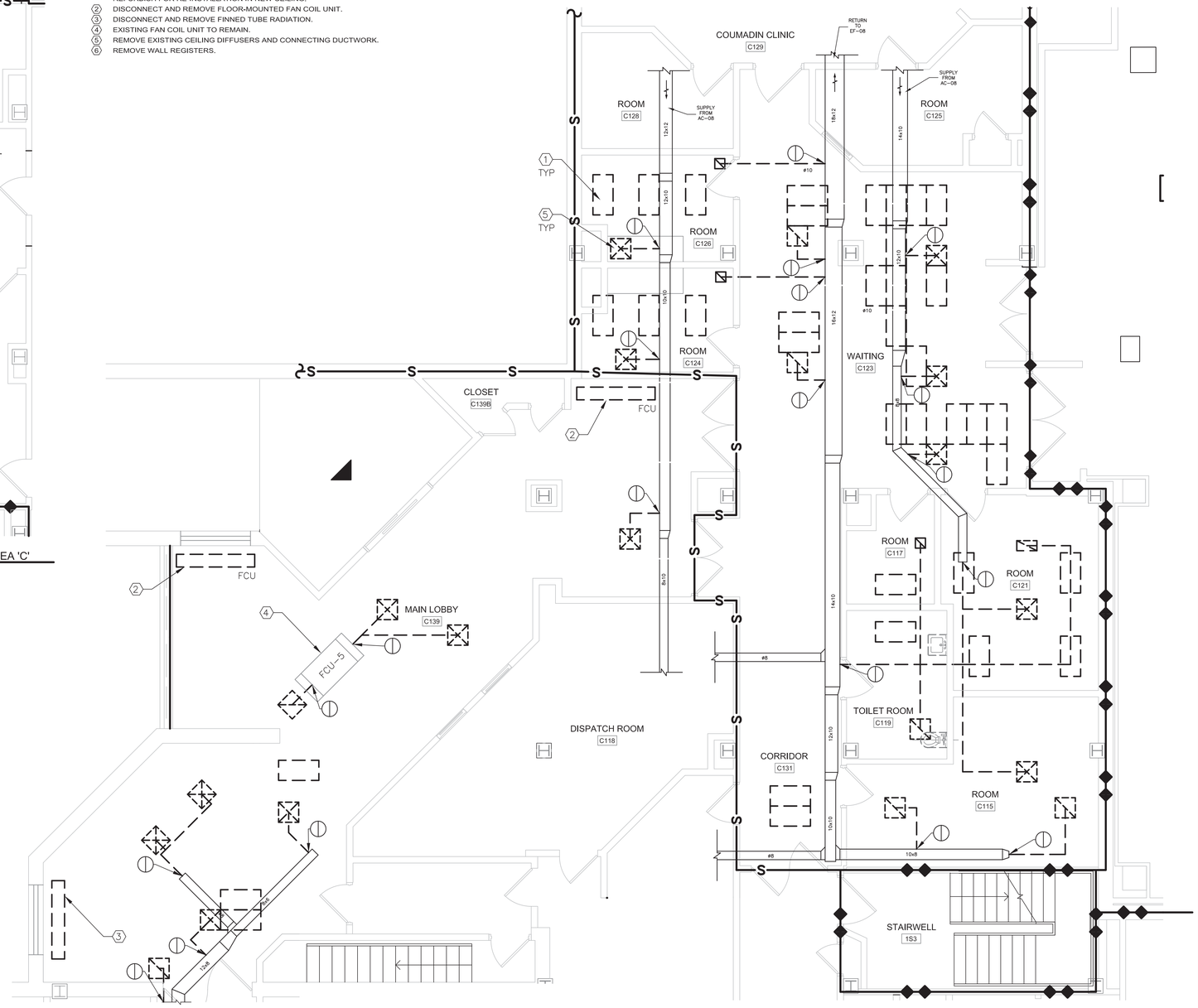
4 KEY PLAN
1/32" = 1'-0"



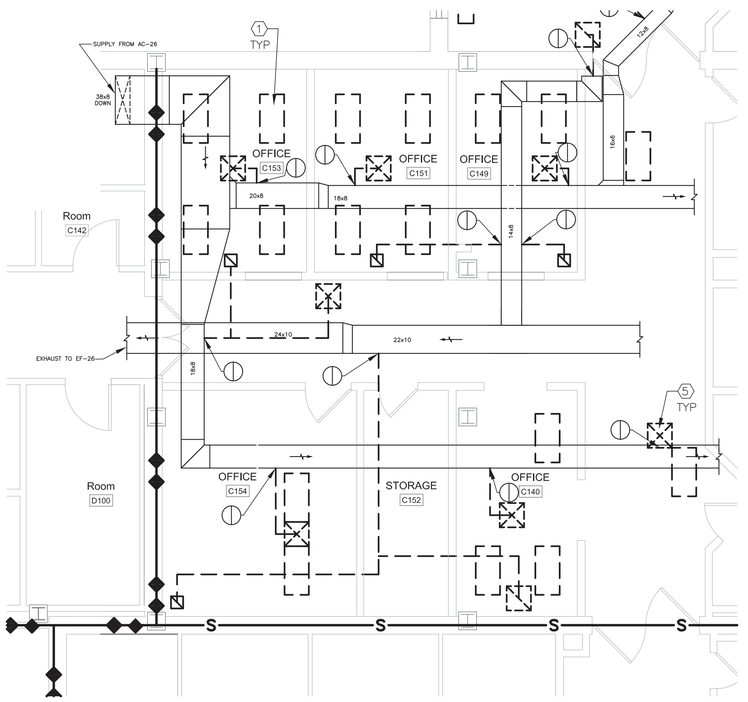
3 1ST FLOOR HVAC DEMO PLAN - AREA 'C'
1/4" = 1'-0"

KEYED NOTES

1. DISCONNECT AND REMOVE RADIANT CEILING PANELS. SAVE, STORE, AND REFURBISH FOR RE-INSTALLATION IN NEW CEILING.
2. DISCONNECT AND REMOVE FLOOR-MOUNTED FAN COIL UNIT.
3. DISCONNECT AND REMOVE FINNED TUBE RADIATION.
4. EXISTING FAN COIL UNIT TO REMAIN.
5. REMOVE EXISTING CEILING DIFFUSERS AND CONNECTING DUCTWORK.
6. REMOVE WALL REGISTERS.



1 1ST FLOOR HVAC DEMO PLAN - AREA 'A'
1/4" = 1'-0"



2 1ST FLOOR HVAC DEMO PLAN - AREA 'B'
1/4" = 1'-0"

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SWBR Project #14310

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CONSTRUCTION DOCUMENT

Drawing Title: MECHANICAL DEMOLITION PLAN

Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Project Number: 528A7-14-701

Building Number: 1

Location: 800 Irving Avenue Syracuse, NY 13210

Date: 12/02/15 | Checked: EAG | Drawn: ELK

Drawing Number: MD101

Dwg 18 of 56

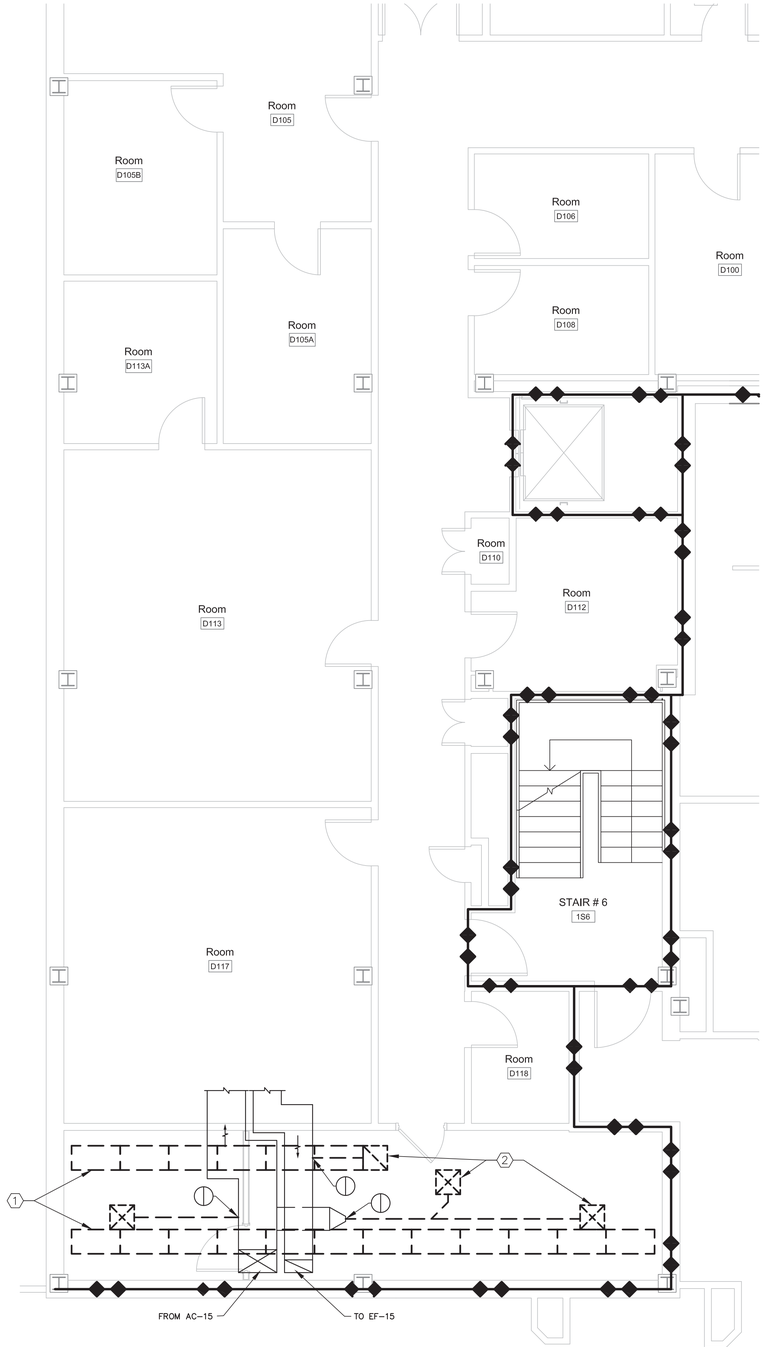
Department of Veterans Affairs

VA FORM 08-6231, Oct 1978

2 KEY PLAN
SCALE: 1/32" = 1'-0"

KEYED NOTES

1. DISCONNECT AND REMOVE RADIANT CEILING PANELS. SAVE, STORE, AND REFURBISH FOR RE-INSTALLATION IN NEW CEILING.
2. DISCONNECT AND REMOVE CEILING SUPPLY AND RETURN DIFFUSERS AND ASSOCIATED DUCTWORK.



1 1ST FLOOR HVAC DEMO PLAN - AREA 'D'
SCALE: 1/4" = 1'-0"

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FULLY SPRINKLERED	CONSTRUCTION DOCUMENT

No.	Description	Date
	REVISIONS	

CONSULTANTS:

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SWBR Project #14310

Drawing Title: MECHANICAL DEMOLITION PLAN

Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Project Number: 528A7-14-701

Building Number: 1

Location: 800 Irving Avenue Syracuse, NY 13210

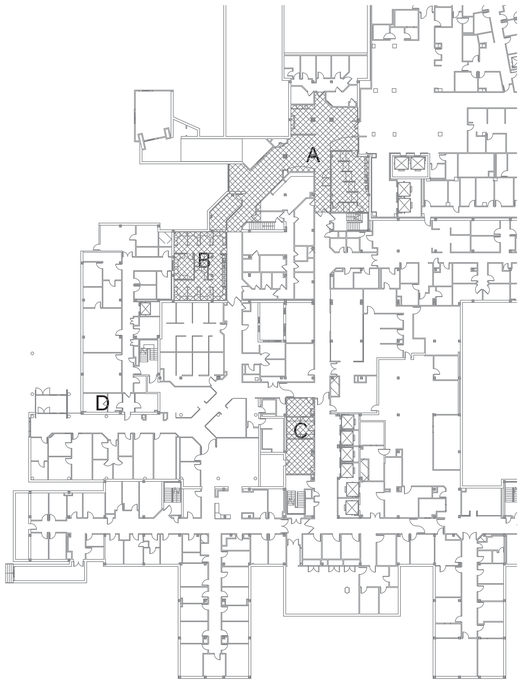
Date: 10/01/15 | Checked: EAG | Drawn: ELK

Drawing Number: MD102

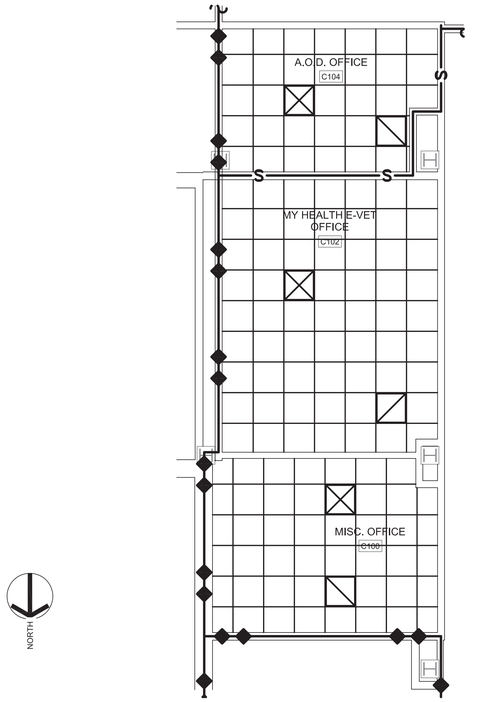
Dwg 19 of 56

Department of Veterans Affairs

VA FORM 08-6231, Oct 1978



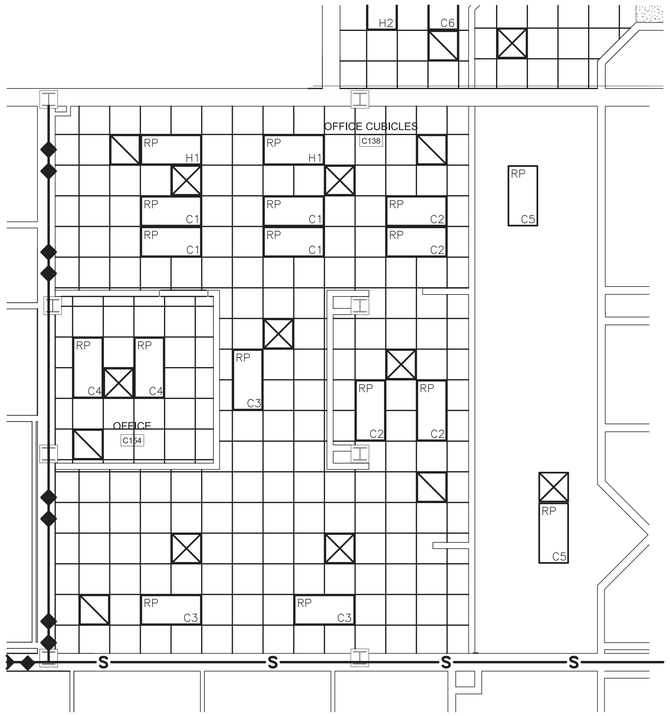
4 KEY PLAN
1/32" = 1'-0"



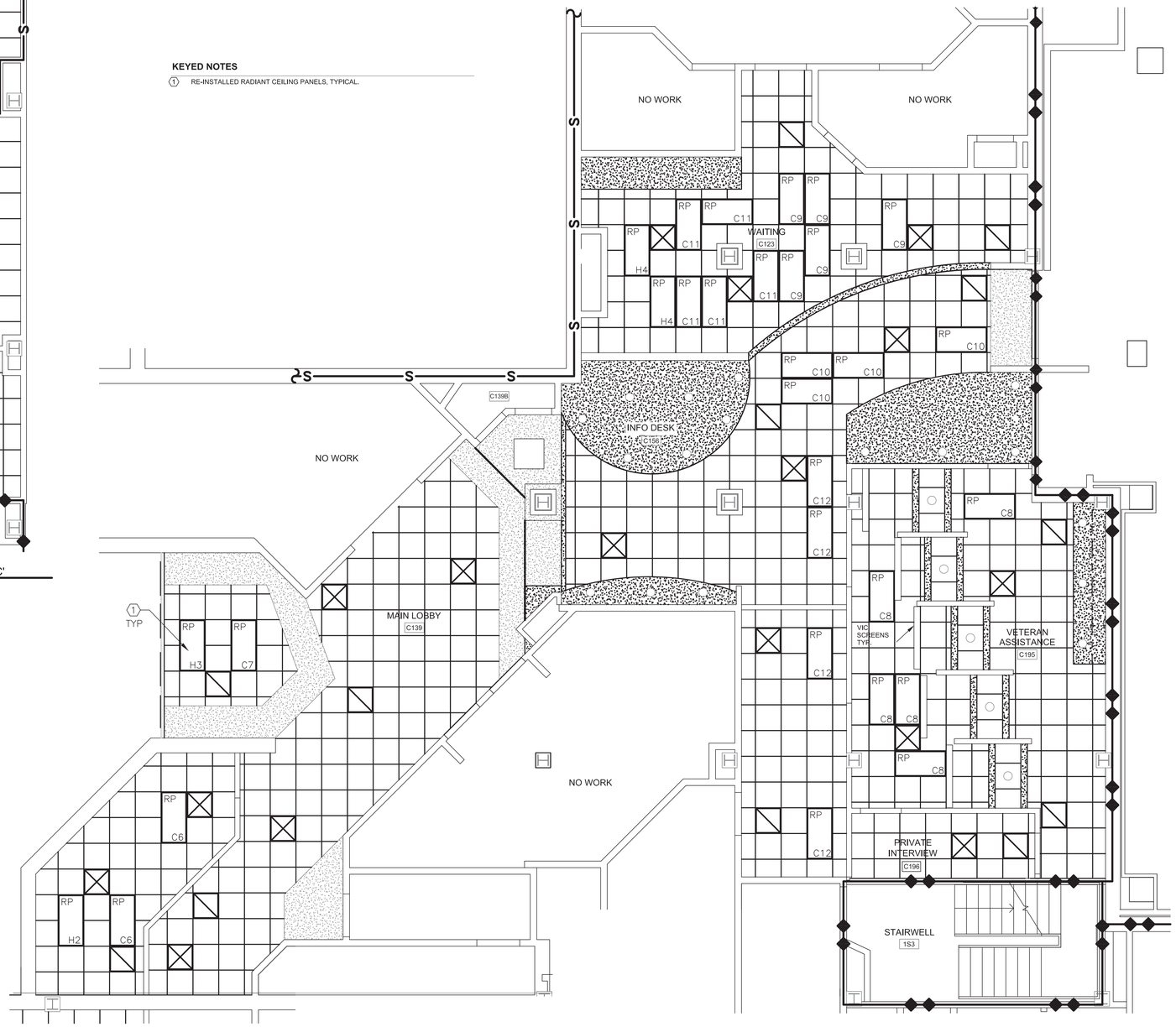
3 1ST FLOOR CEILING PLAN - AREA 'C'
1/4" = 1'-0"

KEYED NOTES

1. RE-INSTALLED RADIANT CEILING PANELS, TYPICAL.



2 1ST FLOOR CEILING PLAN - AREA 'B'
1/4" = 1'-0"



1 1ST FLOOR CEILING PLAN - AREA 'A'
1/4" = 1'-0"

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No.	Description	Date
	REVISIONS	

CONSULTANTS:

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SWBR Project #14310

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CONSTRUCTION DOCUMENT

Drawing Title: MECHANICAL CEILING PLANS

Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Location: 800 Irving Ave, Syracuse, NY

Date: 10/01/15 | Checked: EAG | Drawn: ELK

Project Number: 528A7-14-701

Building Number: 1

Drawing Number: MH101

Dwg 20 of 56

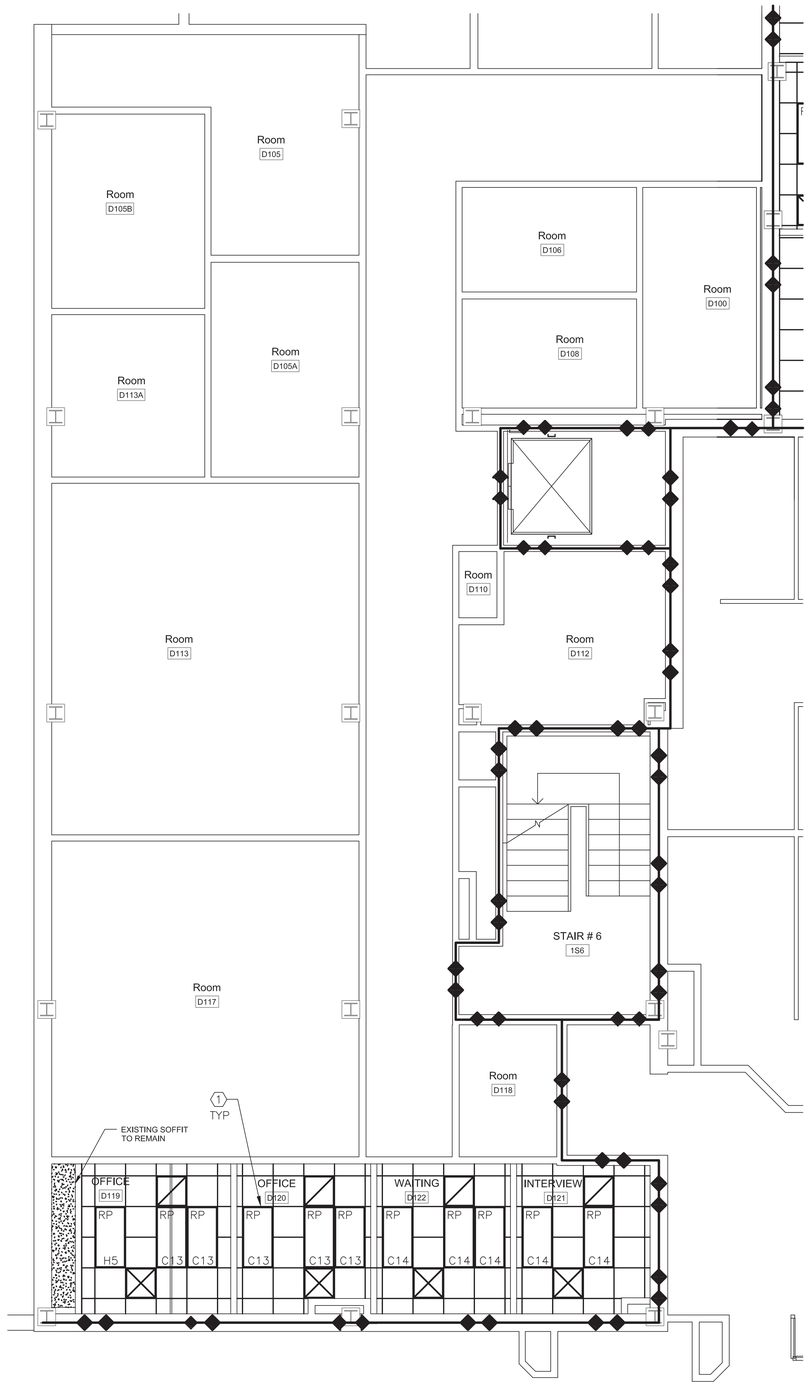
Department of Veterans Affairs

VA FORM 08-6231, Oct 1978

2 KEY PLAN
SCALE: 1/32" = 1'-0"

KEYED NOTES

1. RE-INSTALLED RADIANT CEILING PANELS, TYPICAL.



1 1ST FLOOR CEILING PLAN - AREA 'D'
SCALE: 1/4" = 1'-0"

FOR NOTES SEE DRAWING MH101

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CONSTRUCTION DOCUMENT

No.	Description	Date
	REVISIONS	

CONSULTANTS:

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RJR Project #14036

SWBR ARCHITECTS
309 South Franklin Street Syracuse, NY 13202
Voice: 315.488.5635 www.swbr.com
SWBR Project #14310

Drawing Title: MECHANICAL CEILING PLANS

Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Location: 800 Irving Ave, Syracuse, NY

Date: 10/01/15 | Checked: EAG | Drawn: ELK

Project Number: 528A7-14-701

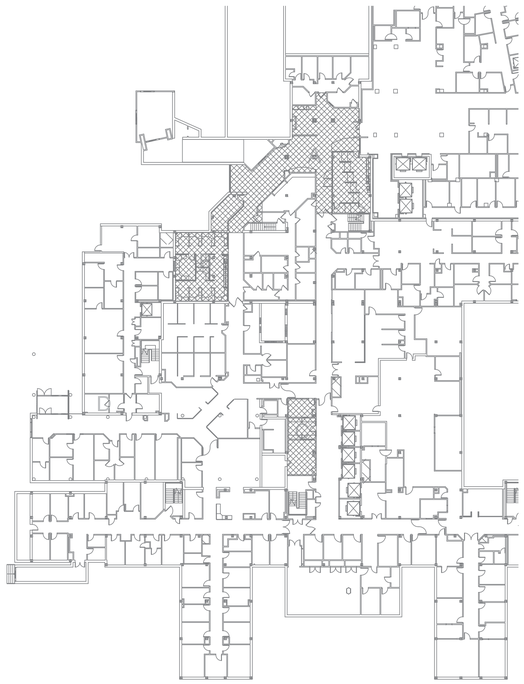
Building Number: 1

Drawing Number: MH102

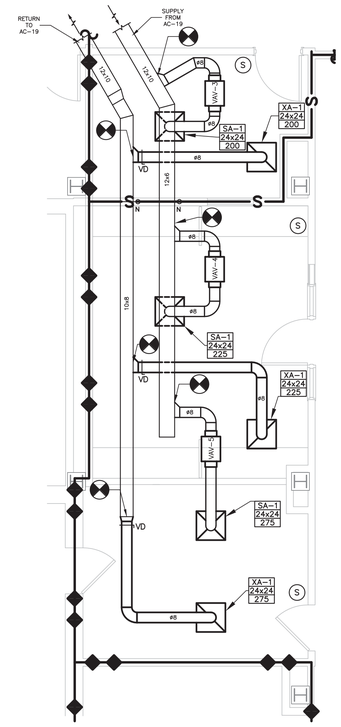
Dwg 21 of 56

Department of Veterans Affairs

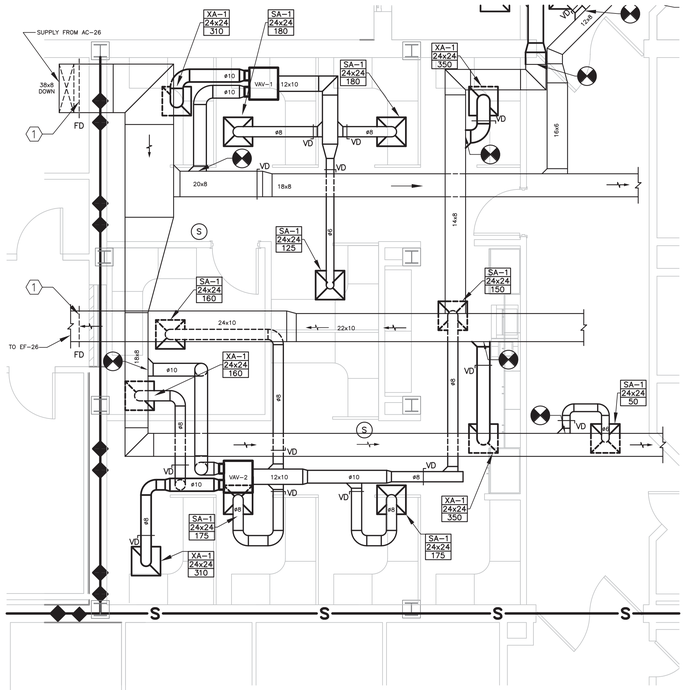
VA FORM 08-6231, Oct 1978



4 KEY PLAN
1/32" = 1'-0"



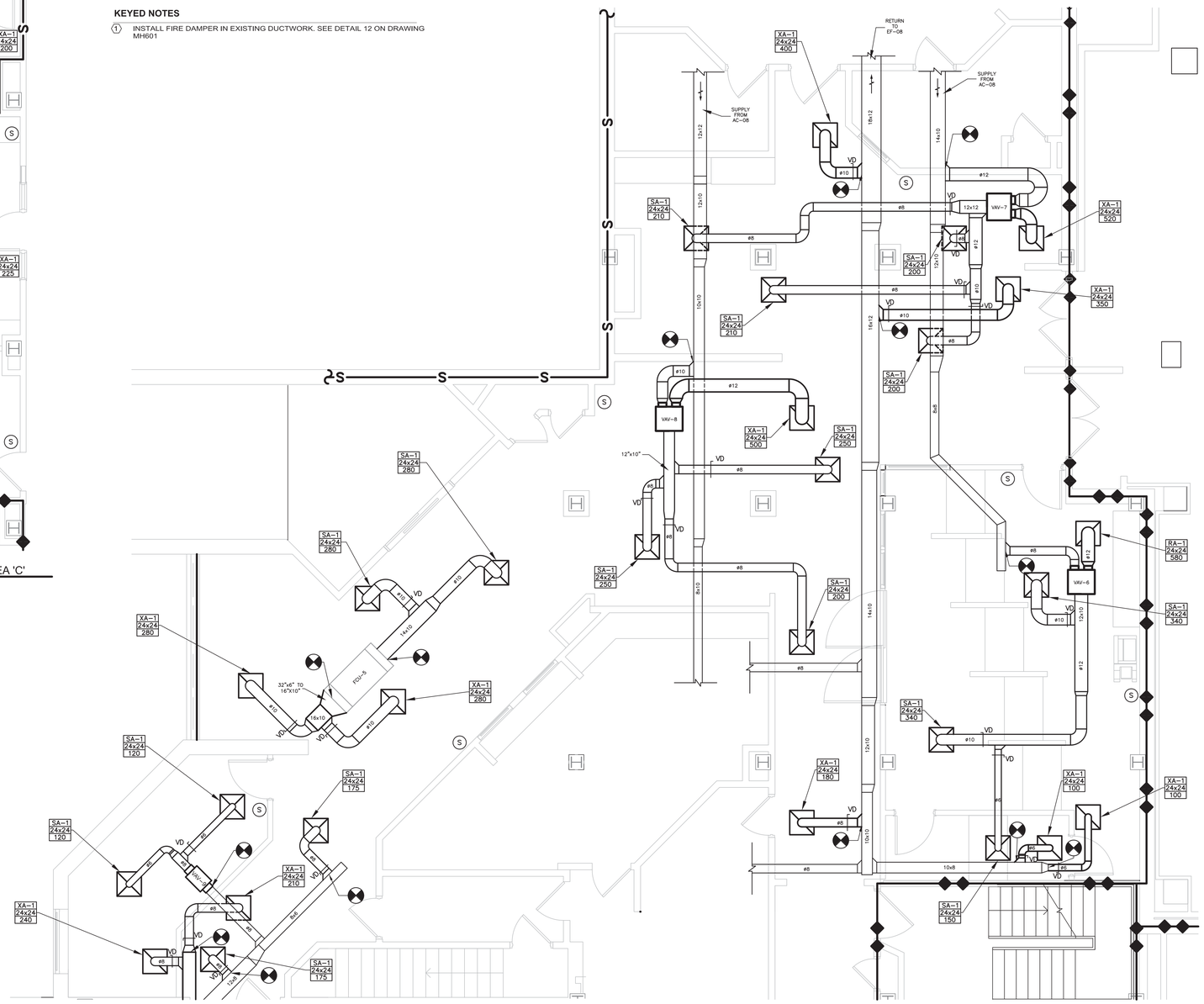
3 1ST FLOOR HVAC DUCT PLAN - AREA 'C'
1/4" = 1'-0"



2 1ST FLOOR HVAC DUCT PLAN - AREA 'B'
1/4" = 1'-0"

KEYED NOTES

1. INSTALL FIRE DAMPER IN EXISTING DUCTWORK. SEE DETAIL 12 ON DRAWING MH601



1 1ST FLOOR HVAC DUCT PLAN - AREA 'A'
1/4" = 1'-0"

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No.	Description	Date
	REVISIONS	

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SWBR Project #14310

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CONSTRUCTION DOCUMENT

Drawing Title: HVAC DUCTWORK PLANS

Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Project Number: 528A7-14-701

Building Number: 1

Location: 800 Irving Avenue, Syracuse, NY 13210

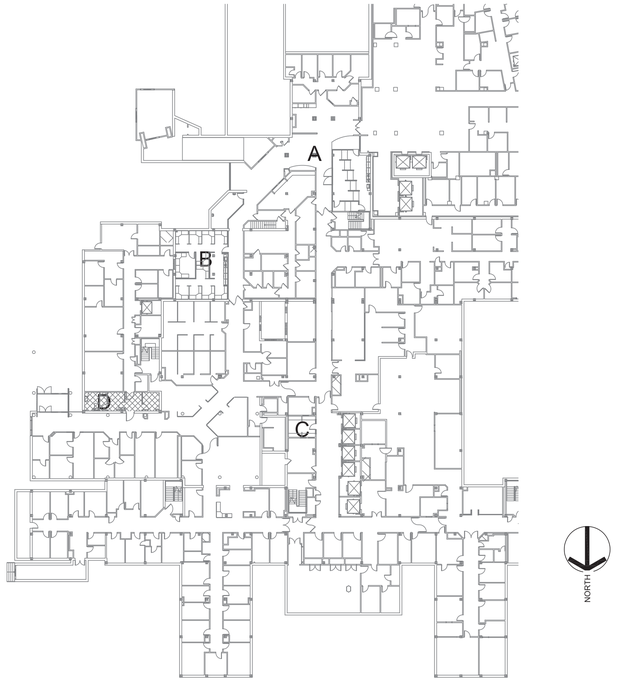
Date: 12/02/15 | Checked: EAG | Drawn: ELK

Drawing Number: MH103

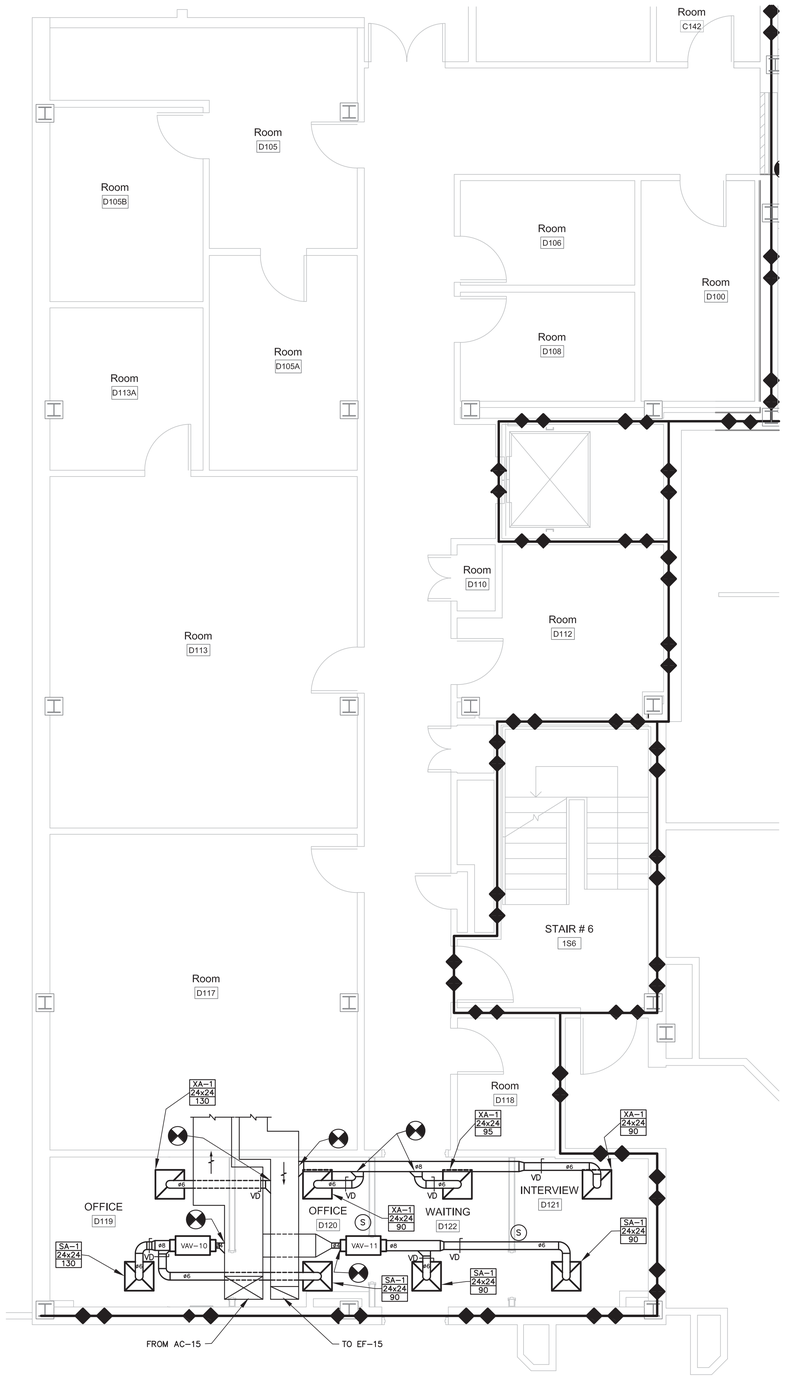
Dwg 22 of 56

Department of Veterans Affairs

VA FORM 08-6231, Oct 1978



2 KEY PLAN
1/32" = 1'-0"



1 1ST FLOOR HVAC DUCT PLAN - AREA 'D'
SCALE: 1/4" = 1'-0"

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CONSTRUCTION DOCUMENT

Drawing Title: HVAC DUCTWORK PLANS

Approved: Project Director

Project Title: BUSINESS OFFICE RENOVATION

Location: 800 Irving Avenue, Syracuse, NY 13210

Date: 12/02/15 | Checked: EAG | Drawn: ELK

Project Number: 528A7-14-701

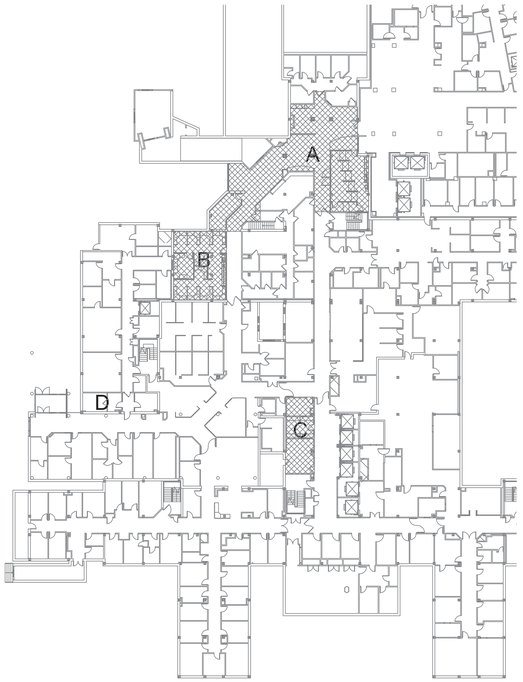
Building Number: 1

Drawing Number: MH104

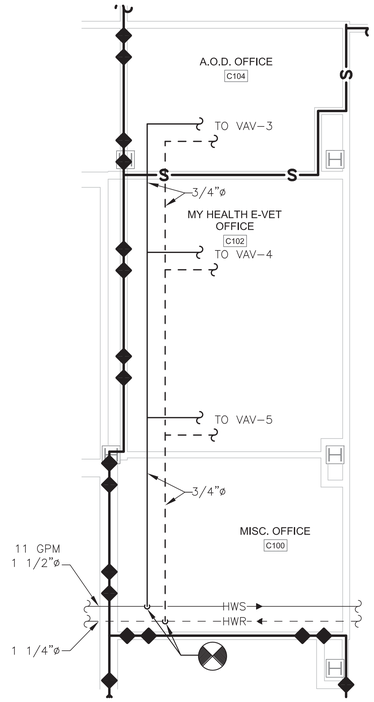
Dwg 23 of 56

Department of Veterans Affairs

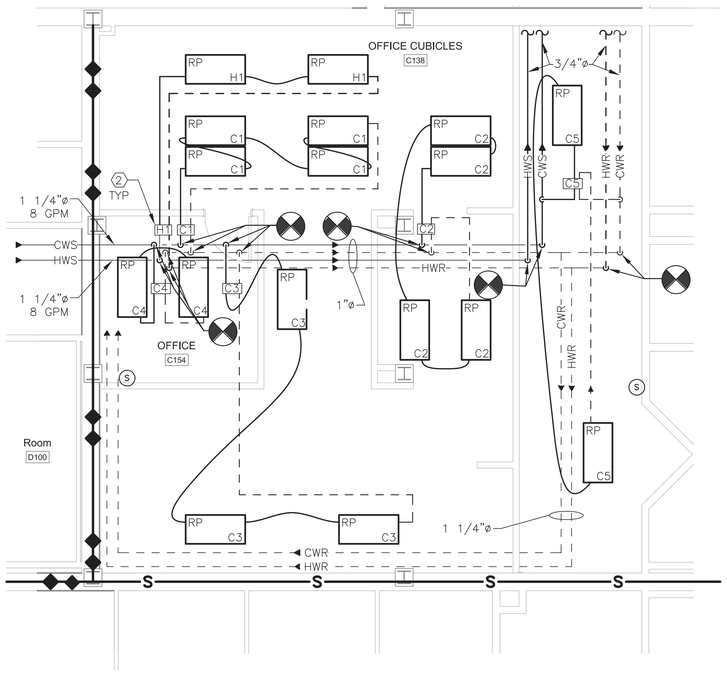
VA FORM 08-6231, Oct 1978



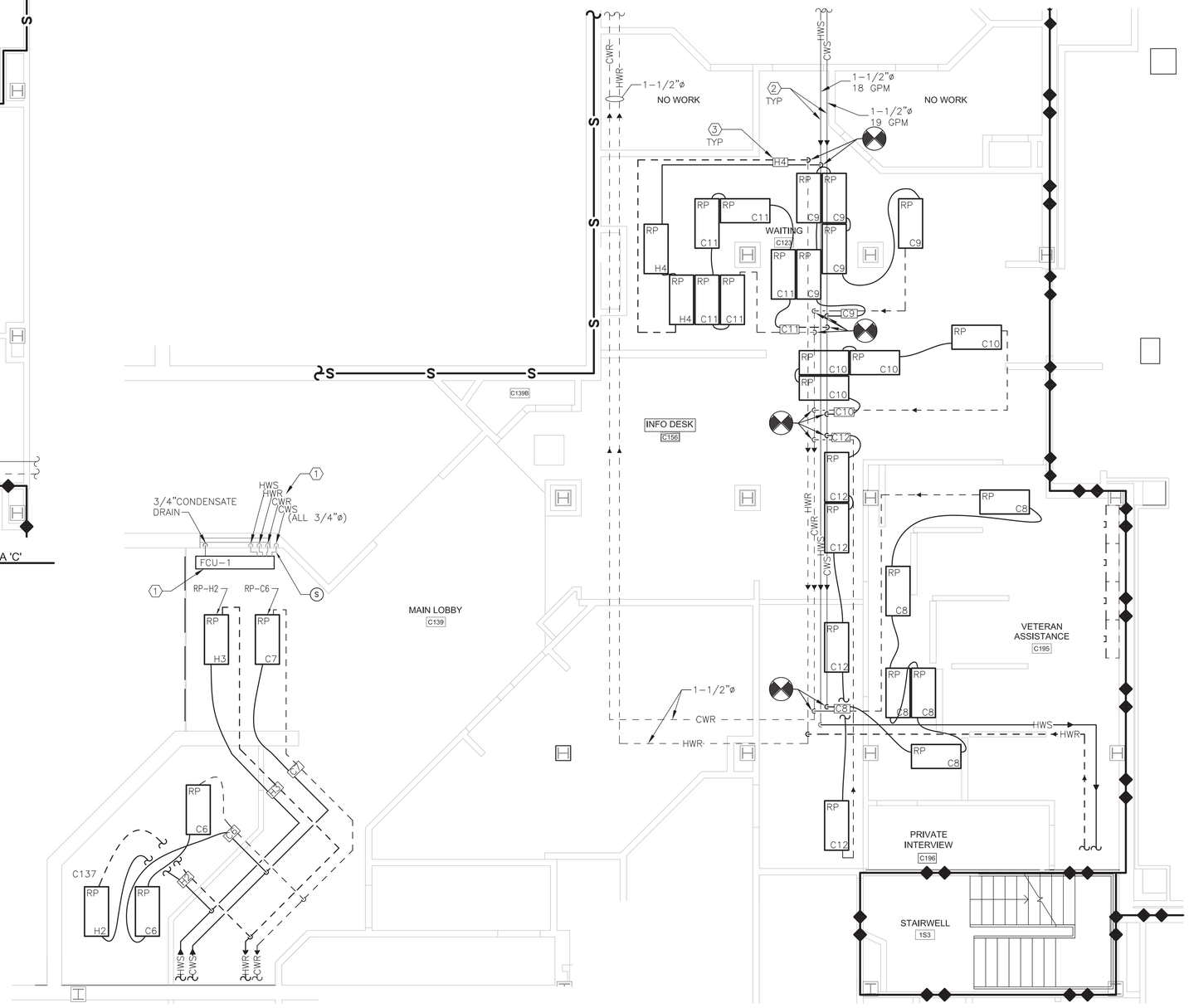
4 KEY PLAN
1/32" = 1'-0"



3 1ST FLOOR HYDRONIC PLAN - AREA 'C'
1/4" = 1'-0"



2 1ST FLOOR HYDRONIC PLAN - AREA 'B'
1/4" = 1'-0"



1 1ST FLOOR HYDRONIC PLAN - AREA 'A'
1/4" = 1'-0"

KEYED NOTES

1. FAN COIL UNIT FCU-1. RE-CONNECT TO EXISTING HOT, CHILLED WATER AND DRAIN PIPING FROM REMOVED UNIT. EXISTING PIPING DROPS FROM CEILING DOWN THROUGH WALL TO EXISTING UNIT - RE-USE AS POSSIBLE.
2. RE-SUPPLY RADIANT PANELS FROM EXISTING CHILLED OR HOT WATER MAINS. PIPE NO MORE THAN FIVE PANELS IN SERIES. REFER TO DETAIL 3 ON MH602.
3. REFER TO DRAWING MH602 FOR RADIANT PANEL CIRCUIT SCHEDULE.

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CONSTRUCTION DOCUMENT

Drawing Title: MECHANICAL HYDRONIC PLANS

Project Title: BUSINESS OFFICE RENOVATION

Project Number: 528A7-14-701

Building Number: 1

Approved: Project Director

Location: 800 Irving Ave, Syracuse, NY

Date: 10/01/15 | Checked: EAG | Drawn: ELK

Drawing Number: MH105

Dwg 24 of 56

Department of Veterans Affairs

VA FORM 08-6231, Oct 1978

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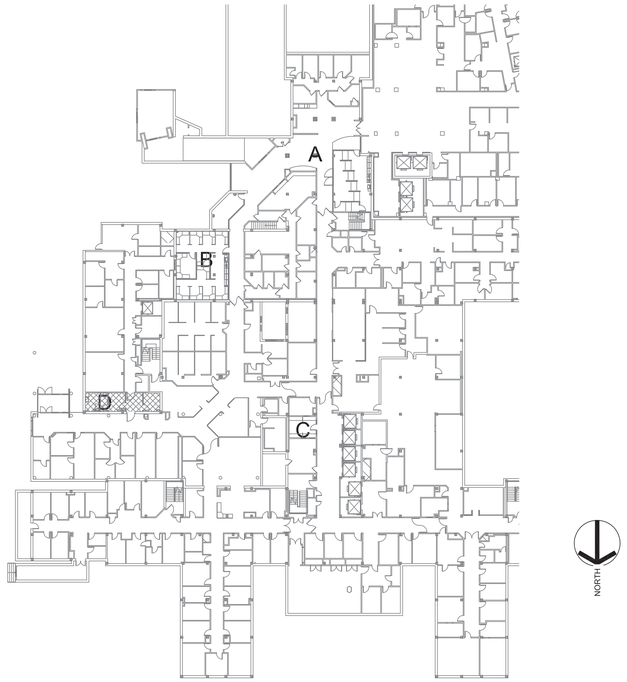
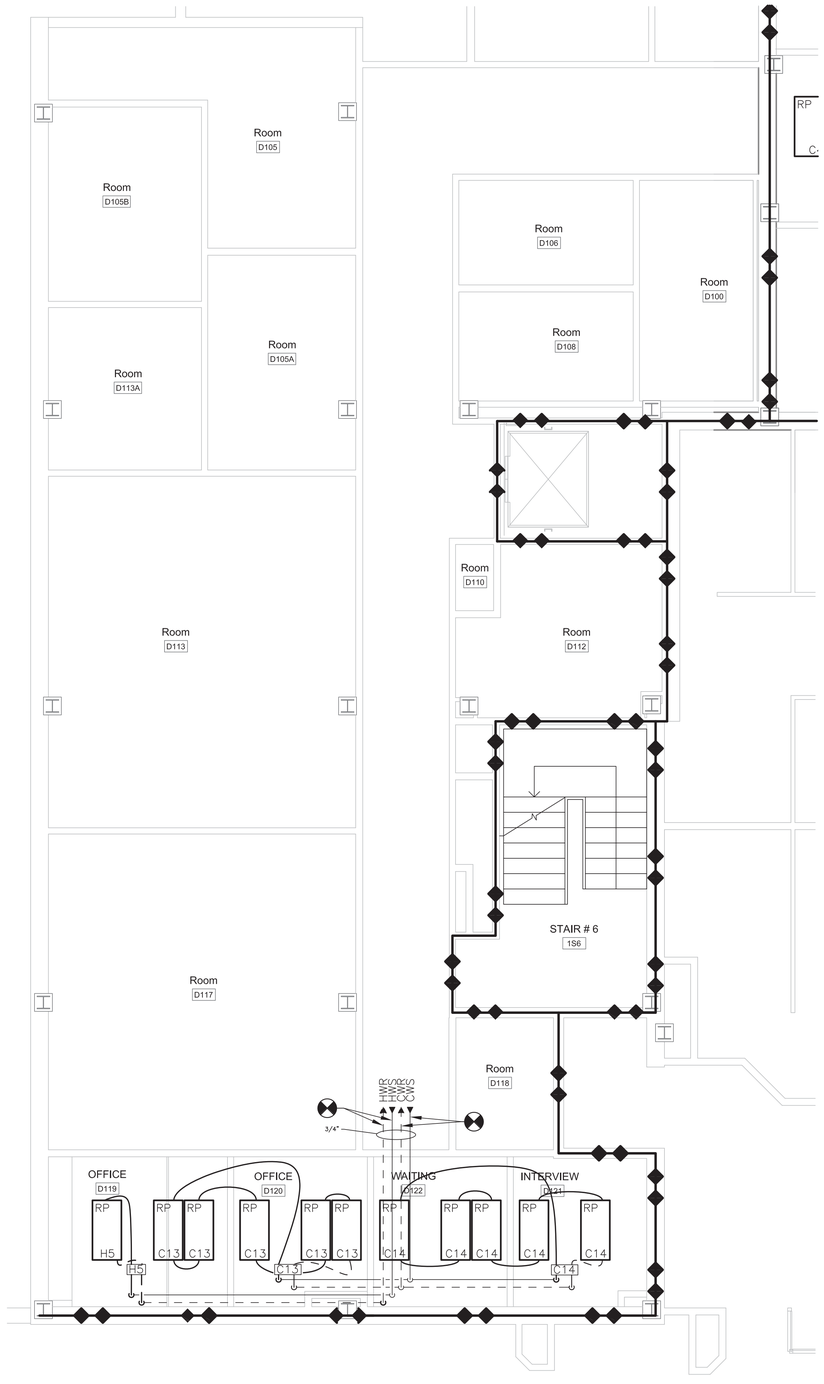
J:\2014\14310.00 RJR VAMC Syracuse 1S Business Off Reno\4-CAD\4.01_Revit\1ST FLOOR - Concept 5.rvt



2 KEY PLAN
1/32" = 1'-0"



1 1ST FLOOR HYDRONIC PLAN - AREA 'D'
SCALE: 1/4" = 1'-0"

FOR NOTES SEE DRAWING MH105

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Drawing Title: MECHANICAL HYDRONIC PLANS

Approved: Project Director

FULLY SPRINKLERED

CONSTRUCTION DOCUMENT

Project Title: BUSINESS OFFICE RENOVATION

Project Number: 528A7-14-701

Building Number: 1

Location: 800 Irving Ave, Syracuse, NY

Date: 10/01/15

Checked: EAG

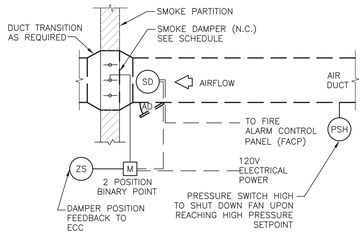
Drawn: ELK

Drawing Number: MH106

Dwg 25 of 56

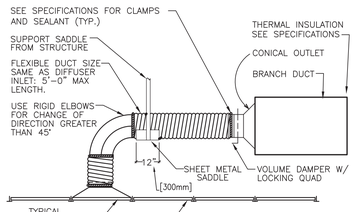
Department of Veterans Affairs

VA FORM 08-6231, Oct 1978



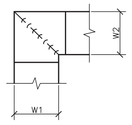
NOTE:
UPON DETECTION OF SMOKE BY THE SMOKE DETECTOR, THE SMOKE DAMPER SHALL CLOSE & SEND AN ALARM TO THE ECC.

1 SMOKE DAMPER CONTROL DIAGRAM
MH601 NTS



NOTE:
THE USE OF FLEXIBLE AIR DUCT CONNECTORS ARE NOT PERMITTED FOR THE DEDICATED AHU SERVING THE SURGICAL SUITE.

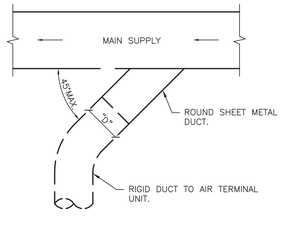
2 FLEXIBLE AIR DUCT CONNECTOR
MH601 NTS



NOTE:

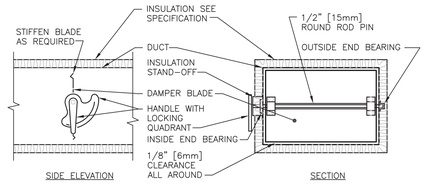
1. ALL VANE ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA.
2. WHEN W1 DOES NOT EQUAL W2, VANE SHALL BE SINGLE THICKNESS VANE TYPE REGARDLESS OF W DIMENSION.
3. ALL SINGLE THICKNESS VANES SHALL HAVE A 2" [50mm] RADIUS, 1 1/2" [40mm] MAXIMUM SPACE BETWEEN VANES AND A 3/4" [20mm] TRAILING EDGE.
4. WHEN W EQUALS W2 AND W1 IS GREATER THAN 20" [500mm] VANES SHALL BE DOUBLE VANE TYPE.

3 DUCTWORK SQUARE VANE ELBOWS
MH601 NTS



PLAN VIEW

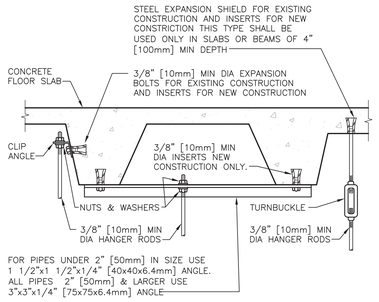
4 SUPPLY DUCT TAKEOFF - AIR TERMINAL UNIT
MH601 NTS



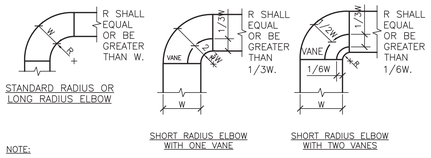
NOTE:

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.

5 VOLUME DAMPER DETAIL
MH601 NTS



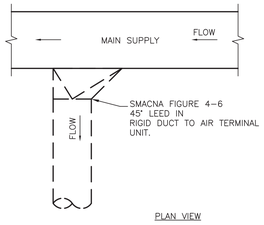
6 SECURING HANGER RODS IN CONCRETE
MH601 NTS



NOTE:

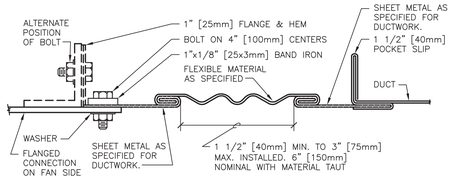
1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
2. ALL STANDARD RADIUS ELBOWS CAN BE SUBSTITUTED WITH SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

7 DUCTWORK RADIUS ELBOWS
MH601 NTS

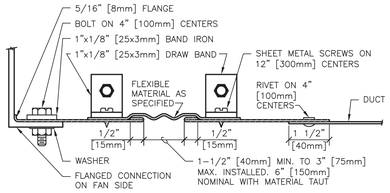


PLAN VIEW

8 ALTERNATE SUPPLY DUCT TAKEOFF - AIR TERMINAL UNITS
MH601 NTS

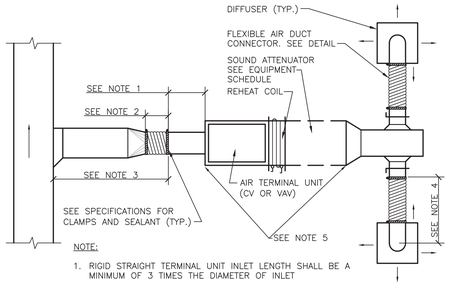


RECTANGULAR FLEXIBLE CONNECTION



ROUND FLEXIBLE CONNECTION

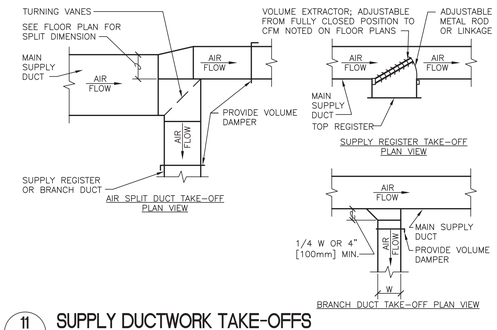
9 FLEXIBLE DUCT CONNECTIONS
MH601 NTS



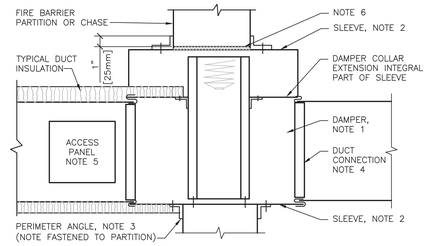
NOTE:

1. RIGID STRAIGHT TERMINAL UNIT INLET LENGTH SHALL BE A MINIMUM OF 3 TIMES THE DIAMETER OF 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°.
5. COMPONENT ARRANGEMENT MAY VARY BY MANUFACTURER. PROVIDE INSULATION W/VAPOR BARRIER FOR CONNECTING DUCT SECTIONS.
6. USE OF THE FLEXIBLE AIR DUCT CONNECTORS ARE NOT PERMITTED FOR THE DEDICATED AHU SERVING THE SURGICAL SUITE.

10 DUCT CONNECTIONS - AIR TERMINAL UNITS
MH601 NTS



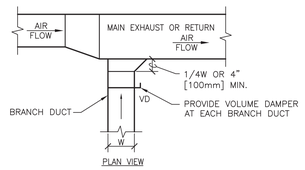
11 SUPPLY DUCTWORK TAKE-OFFS
MH601 NTS



NOTE:

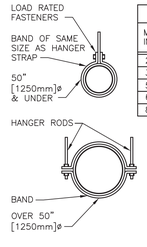
1. A VERTICAL DAMPER IS SHOWN. HORIZONTAL DAMPER INSTALLATION IS SIMILAR. FOLLOW DAMPER MANUFACTURER'S INSTRUCTIONS, INCLUDING FASTENER OPTIONS AND GAGES FOR SLEEVE AND PERIMETER ANGLES. FIRE DAMPERS MUST BE INSTALLED IN THE PARTITION OR FLOOR AND NOT OUTSIDE THE PENETRATION.
2. GALVANIZED SLEEVE: GAGE NOT LESS THAN CONNECTING DUCT. FASTEN SLEEVE TO DAMPER FRAME AND TO PERIMETER ANGLES.
3. PERIMETER ANGELS: GALVANIZED STEEL, NOT LESS THAN 1 1/2"x1 1/2" [40x40mm], 14 GAGE, TO PROVIDE 1" [25mm] MINIMUM OVERLAP OF OPENING ON ALL 4 SIDES.
4. BREAKAWAY DUCT CONNECTION: CONTRACTOR'S OPTION OF TYPES SHOWN IN SMACNA. ACCESS PANELS: SIZE AND LOCATION TO PERMIT SERVICING THE FUSIBLE LINK OR LINKS.
5. PROVIDE 1/4" TO 1/2" [6 TO 15mm] CLEARANCE ON HEIGHT AND WIDTH. FILL OPEN SPACE WITH ROCK WOOL FIRESTOP FIBER.
6. ALL DUCT WORK RISERS WHICH ARE RUN EXPOSED, SUCH AS THRU ATTIC FLOORS AND MECHANICAL ROOM FLOORS, SHALL BE PROVIDED WITH 3" [75mm] HIGH CONCRETE CURB AROUND OPENING FOR DUCT.

12 SECTION THRU FIRE DAMPER INSTALLATION
MH601 NTS



PLAN VIEW

13 EXHAUST OR RETURN BRANCH DUCTWORK
MH601 NTS



HANGER STRAPS OR RODS			
MAX. DUCT ø IN. [mm]	QUANTITY/SIZE IN. [mm]	MAX. LOAD LBS. [kg]	MAX. SPACING IN. [mm]
26 [650]	ONE 1 [25] x 22 GA STRAP	260 [119]	144 [3600]
36 [900]	ONE 1 [25] x 18 GA STRAP	420 [190]	144 [3600]
50 [1250]	ONE 1 [25] x 16 GA STRAP	700 [317]	144 [3600]
60 [1500]	TWO 3/8 [10]ø. RODS	1320 [598]	144 [3600]
84 [2100]	TWO 1/2 [13]ø RODS	2500 [1133]	144 [3600]

NOTE:
TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD.

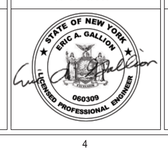
14 ROUND DUCT HANGERS
MH601 NTS

FULLY SPRINKLERED | CONSTRUCTION DOCUMENT

No.	Description	Date
	REVISIONS	

CONSULTANTS:

STAMP



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SWBR Project #14310

Drawing Title: MECHANICAL SCHEDULES AND DETAILS

Project Title: BUSINESS OFFICE RENOVATION

Project Number: 528A7-14-701

Building Number: 1

Approved: Project Director

Location: 800 Irving Avenue Syracuse, NY 13210

Date: 10/01/15 | Checked: EAG | Drawn: ELK

Drawing Number: MH601

Dwg 26 of 56

Department of Veterans Affairs

SEQUENCE OF OPERATION

VAV – SERIES, FAN POWERED:

OCCUPIED:
1. FAN ON
2. COOLING RADIANT PANELS – MODULATE FROM 0% TO 100% AS SPACE TEMP. EXCEEDS SET POINT.
3. PRIMARY AIR – WHEN SPACE TEMPERATURE IS ABOVE SETPOINT, AND COOLING RADIANT PANELS ARE AT 100%, MODULATE FROM MINIMUM AS SCHEDULED TO 100% FLOW.
4. IF HEATING RADIANT PANELS ARE PRESENT, OPEN HEATING VALVES WHEN OUTSIDE AIR TEMPERATURE IS BELOW 45 DEG. F. (ADJ).
5. WHEN SPACE TEMPERATURE IS BELOW HEATING SET POINT, AND AIR FLOW IS AT MIN., MODULATE REHEAT COIL VALVE OPEN.
6. PROVIDE ALARM TO BMS WHEN SPACE TEMPERATURE EXCEEDS SETPOINT.

UNOCCUPIED:
1. FAN OFF
2. MAINTAIN SETBACK SPACE TEMPERATURES: 65 DEG. F HEATING, 80 DEG.F. COOLING (ADJ).
3. HEATING RADIANT PANELS WILL CONTINUE TO BE ACTIVATED, WHERE PRESENT, AT TEMPERATURES BELOW 45 DEG.F.

VAV – NO FAN

OCCUPIED:
1. COOLING RADIANT PANELS – MODULATE FROM 0% TO 100% AS SPACE TEMP. EXCEEDS SET POINT.
2. PRIMARY AIR – WHEN SPACE TEMPERATURE IS ABOVE SETPOINT, AND COOLING RADIANT PANELS ARE AT 100%, MODULATE FROM MINIMUM AS SCHEDULED TO 100% FLOW.
3. IF HEATING RADIANT PANELS ARE PRESENT, OPEN HEATING VALVES WHEN OUTSIDE AIR TEMPERATURE IS BELOW 45 DEG. F. (ADJ).
4. WHEN SPACE TEMPERATURE IS BELOW HEATING SET POINT, AND AIRFLOW IS AT MIN., MODULATE REHEAT COIL VALVE OPEN.
5. PROVIDE ALARM TO BMS WHEN SPACE TEMPERATURE EXCEEDS SETPOINT.

UNOCCUPIED:
1. MAINTAIN SETBACK SPACE TEMPERATURES: 65 DEG. F HEATING, 80 DEG.F. COOLING (ADJ).
2. HEATING RADIANT PANELS WILL CONTINUE TO BE ACTIVATED, WHERE PRESENT, AT TEMPERATURES BELOW 45 DEG.F.

FAN COIL UNITS

OCCUPIED:
1. FAN SHALL CYCLE ON/OFF ON A CALL FOR HEATING OR COOLING.
2. HEATING COIL VALVE SHALL OPEN ON CALL FOR HEATING (SETPOINT: 68 DEG. F).
3. COOLING COIL VALVE SHALL OPEN ON A CALL FOR COOING (SETPOINT: 74 DEG.F).
4. ON CALL FOR COOLING, ACTIVATE COOLING RADIANT PANELS IN AREA.
5. ACTIVATE HEATING RADIANT PANELS, IF PRESENT, WHEN OUTSIDE AIR IS BELOW 45 DEG.F.
6. PROVIDE ALARM TO BMS WHEN SPACE TEMPERATURE EXCEEDS SETPOINT.

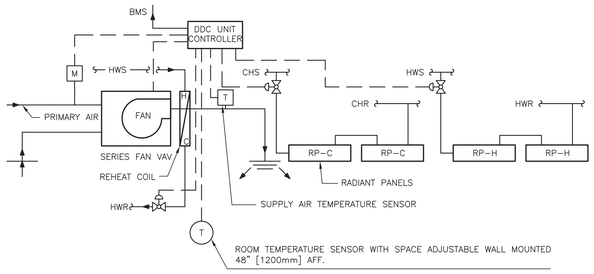
UNOCCUPIED:
1. UNIT SHALL CYCLE TO MAINTAIN SETBACK TEMPERATURES: 68 DEG.F HEATING, 80 DEG. F COOLING.
2. HEATING RADIANT PANELS WILL CONTINUE TO BE ACTIVATED, WHERE PRESENT, AT TEMPERATURES BELOW 45 DEG.F.

RADIANT PANEL CIRCUIT SCHEDULE

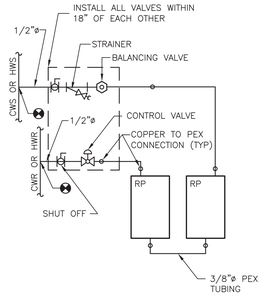
CIRCUIT	TYPE	LOCATION	NO. OF PANELS	FLOW [GPM]	CONTROL
C1	COOL	AREA "B"	4	0.60	VAV–1
C2	COOL	AREA "B"	4	0.60	VAV–1
H1	HEAT	AREA "B"	2	0.20	VAV–1
C3	COOL	AREA "B"	3	0.45	VAV–2
C4	COOL	C154	2	0.30	SPACE SENSOR
C5	COOL	CORRIDOR	2	0.30	SPACE SENSOR
H2	HEAT	OFFICE C137	1	0.20	VAV–9
C6	COOL	OFFICE C137	2	0.45	VAV–9
H3	HEAT	LOBBY	1	0.10	FCU–1
C7	COOL	LOBBY	1	0.15	FCU–1
C8	COOL	VETS ASSISTANCE	5	0.75	VAV–6
C9	COOL	WAITING	5	0.75	VAV–7
C10	COOL	WAITING	4	0.60	VAV–7
C11	COOL	WAITING	5	0.75	VAV–7
C12	COOL	LOBBY	4	0.60	VAV–8
H4	HEAT	WAITING	2	0.20	VAV–7
C13	COOL	D120/119	5	0.75	VAV–10
H5	HEAT	D119	1	0.10	VAV–10
C14	COOL	D121/122	5	0.75	VAV–11

DIFFUSER SCHEDULE

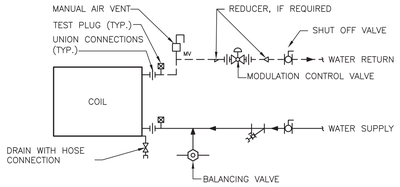
NUMBER	SERVICE	FACE SIZE	FACE PATTERN	TYPE
SA–1	SUPPLY AIR	24"x24"	3–CORE	LAY–IN
RA–1	RETURN AIR	24"x24"	EGG CRATE	LAY–IN
XA–1	EXHAUST AIR	24"x24"	EGG CRATE	LAY–IN
XA–2	EXHAUST AIR	12"x12"	LOUVERED	SURFACE MOUNT
NOTE: NECK SIZE SHALL EQUAL CONNECTOR SIZE				



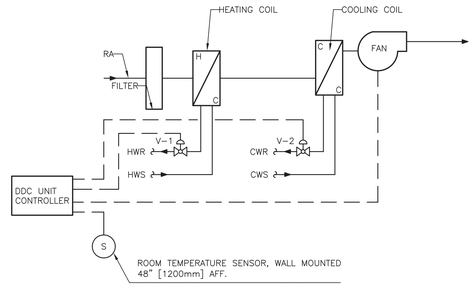
1 MH602 VAV CONTROL SCHEMATIC
NTS



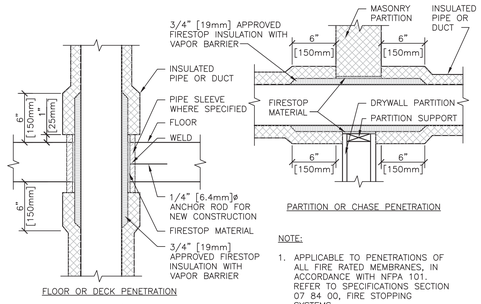
3 MH602 RADIANT PANEL PIPING DETAIL
NTS
REFER TO CIRCUIT SCHEDULE THIS DRAWING



2 MH602 TERMINAL UNIT WATER COILS - PIPING CONNECTIONS
NTS



4 MH602 FOUR PIPE FAN COIL UNIT CONTROLS
NTS



NOTE:
1. APPLICABLE TO PENETRATIONS OF ALL FIRE RATED MEMBRANES, IN ACCORDANCE WITH NFPA 101. REFER TO SPECIFICATIONS SECTION 07 84 00, FIRE STOPPING SYSTEMS.

5 NTS PIPE/DUCT PENETRATION OF SMOKE/FIRE BARRIERS
NTS

VERTICAL FAN COIL UNIT (FCU)

UNIT #	AIR FLOW (CFM)	COOLING (MBH)					HEATING				ELECTRICAL		DESIGN BASIS
		TOTAL	SENSIBLE	EWT (°F)	FLOW RATE (GPM)	WPD (FTH_2O)	CAPACITY (MBH)	EWT (°F)	FLOW RATE (GPM)	WPD (FTH_2O)	FAN HP	V/PH/HZ	
FCU–4	510	14.9	11.06	45	3.0	3.68	24.3	180	2.4	15.9	0.22	115/1/60	TRANE FCB–060

ACOUSTICAL

OCTAVE BAND:	63HZ	125HZ	250HZ	500HZ	1KHZ	2KHZ	4KHZ	8KHZ
SOUND POWER LEVEL (dB):	55	64	65	60	57	52	48	40

NOTE: ACOUSTICAL DATA HAS BEEN OBTAINED IN ACCORDANCE WITH AHRI STANDARD 300–2000

VAV SCHEDULE

UNIT	TYPE	LOCATION	PRIMARY AIR MAX/MIN	INLET DIA.	FAN FLOW [CFM]	REHEAT COIL				ELECTRICAL		ACOUSTICAL	
						MBH	GPM	WPD(ft)	APD(m)	HP	VOLTS/PH/HZ	NC – DISCHARGE	NC – RADIATED
1	SERIES FAN	AREA B	350/160	6"	485					1/3	115/1/60	15	30
2	SERIES FAN	AREA B	350/160	6"	660					1/3	115/1/60	15	33
3	–	C104	200/60	4"	–	8.0	0.5	0.48	0.06	–	–	44	29
4	–	C102	225/75	4"	–	8.4	0.5	0.48	0.06	–	–	46	31
5	–	C100	275/100	5"	–	9.1	0.5	0.48	0.06	–	–	36	25
6	SERIES FAN	VETS ASSIST	240/160	6"	780					1/3	115/1/60	17	35
7	SERIES FAN	WAITING	600/190	8"	820					1/3	115/1/60	18	34
8	SERIES FAN	LOBBY	390/125	6"	700					1/3	115/1/60	15	34
9	–	C137	240/100	5"	–					–	–	24	15
10	–	D119	220/100	4"	–					–	–	34	20
11	–	D120	185/85	4"	–					–	–	31	19

ACOUSTICAL NOTES:
1. NOISE CRITERIA (NC) INCLUDES FAN, WHERE PRESENT.
2. ACOUSTICAL DATA OBTAINED IN ACCORDANCE WITH AHRI 880–11.
3. NOISE CRITERIA (NC) ESTIMATE IS CALCULATED USING THE FOLLOWING TRANSFER FUNCTION: DISCHARGE AHRI 885–88, RADIATED AHRI 885–08–MINERAL FIBER
4. BASED ON MAX INLET S.P. OF 0.75" H2O.

MOTOR NOTES:
1. MOTOR TYPE – SINGLE SPEED WITH SCR.

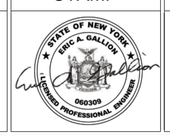
WHEN THIS ITEM IS STAMPED BY A LICENSED PROFESSIONAL ENGINEER IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW TITLE XIII ARTICLE 145 SECTION 7209 FOR ANY PERSON UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER TO ALTER THE ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS ALTERED THE ALTERING ENGINEER SHALL COMPLY WITH NEW YORK STATE EDUCATION LAW.

FULLY SPRINKLERED | CONSTRUCTION DOCUMENT

No.	Description	Date
	REVISIONS	

CONSULTANTS:

STAMP



ARCHITECTS/ENGINEERS:

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RJR Project #14036

SWBR ARCHITECTS
309 South Franklin Street Syracuse, NY 13202
Voice: 315.488.5635 www.swbr.com
SWBR Project #14310

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Dwg 27 of 56

Department of Veterans Affairs

JOB: 528A7-14-701
BUILDING: 1

SYSTEM: VAV SERIES FAN- POWERED BOX

| SYSTEM COMPONENT: | POINT ID | ABBREVIATION | POINT LEGEND: SCHEDULED ALTERNATE MODE | ELECTRICAL POWER | DISCHARGE PRESSURE | SYSTEM OUTPUTS BINARY: DIGITAL CONTROL | DIGITAL POSITION | DIGITAL POSITION | SYSTEM OUTPUTS ANALOG: ANALOG CONTROL | ANALOG POSITION | SYSTEM INPUTS BINARY: DIGITAL SAFETY | DIGITAL PROCESS | DIGITAL PROCESS | SYSTEM INPUTS ANALOG: TEMPERATURE (T) | TEMPERATURE (T) | PRESSURE | PRESSURE (P) | FLOW | FLOW | SYSTEM SOFTWARE/CONTROL ALARM PROCESSING: DIGITAL ALARM/STATUS | DIGITAL ALARM/STATUS | ANALOG ALARM | ANALOG ALARM | ANALOG ALARM | SYSTEM SOFTWARE/CONTROL APPLICATION/FUNCTION: DIGITAL PROGRAMMING | DIGITAL PROGRAMMING | DIGITAL PROGRAMMING |