

# RRHA - MELROSE TOWERS

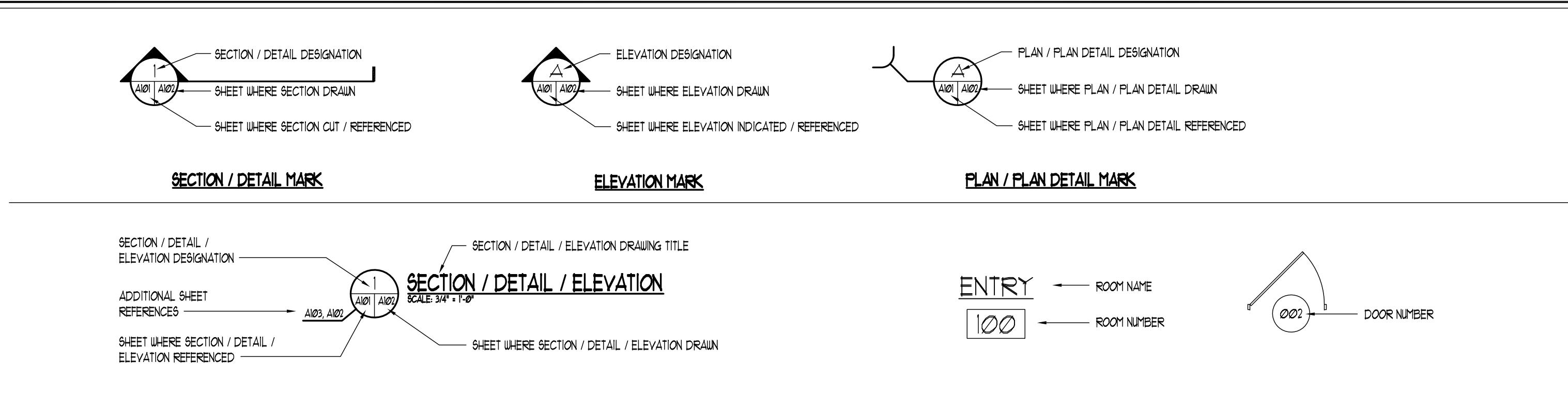
## UNIT 601 - SECTION 504 MODIFICATIONS

ROANOKE, VIRGINIA

### LIST OF ABBREVIATIONS

SYMBOLS	E	L	S
# AT	E TO E END TO END	LAB LABORATORY	S. SOUTH
AND	EAST	SAN SANITARY	S.C. SOLID CORE
CENTRELINE	EACH	SCH. SCHEDULE	SCH. STICKER
DIAMETER	EXTERIOR FACE	SCD. STORM DRAIN	SEC. SECONDARY
EQUALS	E.I.F.S. EXTERIOR INSULATING FINISH SYSTEM	SEC. SECTION	SECT. SECTION
NUMBER POUND	E.J. EXPANSION JOINT	SOL. SOLID FEET	SOL. SOLID FEET
PLUS OR MINUS	ELEC. ELECTRIC, ELECTRICAL	SPEC. STATIC PRESSURE	SPEC. SPECIFICATIONS
	EL./ELEV. ELEVATION	SQ. SQUARE	SQ. SQUARE
	EPM. EXPANDED POLYSTYRENE	SS. STAINLESS STEEL	SS. STAINLESS STEEL
A	EQ. EQUIPMENT	ST. STAINLESS STEEL	ST. STAINLESS STEEL
AB. ANCHOR BOLT	EQUIP. EQUIPMENT	SIC. SOUND TRANSMISSION COEFFICIENT	SIC. SOUND TRANSMISSION COEFFICIENT
ABV. ABOVE	EST. ESTIMATE	STD. STANDARD	STD. STANDARD
ACM. ASBESTOS CONTAINED MATERIAL	EST. TO REMAIN	STE. STEEL	STE. STEEL
ACT. ACOUSTICAL CEILING TILE	EACH WAY	STRUCT. STRUCTURAL	STRUCT. STRUCTURAL
ADH. ADHESIVE	ELECTRIC WATER COOLER	SUPER. SUPERIOR	SUPER. SUPERIOR
A.F. ABOVE-FINISHED FLOOR	EXHAUST	SUSP. SUSPENDED	SUSP. SUSPENDED
A.H.U. AIR HANDLING UNIT	EXIST. EXISTING		
ALT. ALTERNATE	EXP. EXPANSION		
ALM. ALUMINUM	EXT. EXTERIOR		
APPROX. APPROXIMATE			
ARCH. ARCHITECTURAL			
ATTEN. ATTENTION			
AUTO. AUTOMATION			
Avg. AVERAGE			
B			
B TO B BACK TO BACK			
B/W BETWEEN			
BD. BOARD			
BE. BELOW			
BTM. BUTTOMS			
BLDG. BUILDING			
BM. BENCH MARK			
BRS. BEARING			
BSP. BASEMENT			
BUR. BUILT-UP ROOF (ING)			
C			
C TO C CENTER TO CENTER			
CABIN. CABINET			
CAP. CAPACITY			
CF. CUBIC FEET			
CFM. CUBIC FEET PER MINUTE			
CJ. CONSTRUCTION JOINT, CONTROL JOINT			
CL. CENTER LINE			
CLG. CEILING			
CLO. / CL. CLOSET			
CLR. CLEAR			
CM. CEMENT			
CMA. CONCRETE MASONRY UNITS			
CQ. CLEAN CUT			
COL. COLUMN			
CONC. CONCRETE			
CONT. CONTINUATION			
CPT. CARPET			
CT. CERAMIC TILE			
CW. COLD WATER CHILLED WATER			
CY. CUBIC YARD			
D			
DBL. DOUBLE			
DEG. DEGREE			
DEPO. DEPOLISH			
DEP. DEPRESSED			
DEPT. DEPARTMENT			
DH. DOUBLE HUNG			
DL. DILET			
DIA. DIAMETER			
DIG. DIAGNOSTIC DIAGRAM			
DM. DIMENSION			
DIR. DIRECTION			
DIS. DISPOSER, DISPOSAL			
DIST. DISTANCE			
DIV. DIVISION			
DN. DOWN			
D.S. DOWNSPOUT			
DTL. DETAIL			
Dwg. (5) DRAWING (5)			
I			
ID. INSIDE DIAMETER	QT. QUARRY TILE		
IN. INCH	QAL. QUALITY		
INCAD. INCANDESCENT	QUANT. QUANTITY		
INFO. INFORMATION	R		
INSL. INSULATION, INSULATED	RISER		
INT. INTERIOR	RD. ROD AND SHELF		
INV. INVERT	RA. RETURN AIR		
J	RC. ROD		
J.B. JUNCTION BOX	RAD. RADIAL		
J.CT. JUNCTION	RCPT. RECEPTACLE		
J.T. JOIST	RD. ROAD DRAIN		
K	RD. ROAD		
K.O. KNOCK OUT	REF. REFERENCE		
RTU. ROOF-TOP UNIT	RF. REFRIGERATOR		
RUB. RUBBER	RE. REINFORCE, REINFORCEMENT		
	REGD. REGISTERED		
	REV. Revision		
	RO. ROUGH OPENING		
	RT. RUBBER TILE		
	RTU. ROOF-TOP UNIT		
	RUB. RUBBER		

### SYMBOL LEGEND



### GENERAL PROJECT NOTES

- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES (AS LISTED IN THE CODE INFORMATION COLUMN ON THIS SHEET) AS WELL AS ALL APPLICABLE HEALTH CODES, ZONING REGULATIONS AND ALL OTHER APPLICABLE REQUIREMENTS.
- CONTRACTOR TO VERIFY ALL DIMENSIONS IN THE FIELD. DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS AND COORDINATE NEW WORK WITH THE EXISTING SITE CONDITIONS.
- CONTRACTOR SHALL INSTALL SOLID BLOCKING FOR ALL CABINETS, TRIM WORK, BATH ACCESSORIES ETC. CONTRACTOR SHALL VERIFY LOCATIONS WITH APPROPRIATE INSTALLERS. CONTRACTOR SHALL INSTALL NECESSARY BRACING / SUPPORTS AS NEEDED TO SUPPORT WALL CABINETS AS TO ENSURE PROPER INSTALLATION. BLOCKING (IF SHOWN) MAY NOT REPRESENT ALL NECESSARY BLOCKING.

### INDEX OF DRAWINGS

#### GENERAL INFORMATIONAL DRAWINGS

- T101 TITLE SHEET  
T102 ACCESSIBILITY REQUIREMENTS

#### ARCHITECTURAL DRAWINGS

- A101 TWO-BEDROOM UNIT FLOOR PLANS - DEMOLITION & NEW WORK NOTES & LEGENDS  
A201 INTERIOR ELEVATIONS AND SECTIONS  
A301 SECTIONS, ELEVATIONS, DETAILS & SCHEDULES

#### MECHANICAL DRAWINGS

- M101 PARTIAL SIXTH FLOOR PLANS - MECHANICAL

#### PLUMBING DRAWINGS

- P101 PARTIAL SIXTH FLOOR PLANS - PLUMBING

#### ELECTRICAL DRAWINGS

- E101 LEGEND, FIXTURE SCHEDULE, PANEL SCHEDULE & NOTES  
E201 PARTIAL SIXTH FLOOR PLANS, NOTES & LEGENDS

### CODE INFORMATION

- (1) APPLICABLE CODES:  
2003 VIRGINIA UNIFORM STATEWIDE BUILDING CODE (VUSBC)  
UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS)
- (2) USE GROUP CLASSIFICATION: R-2 (APARTMENTS)
- (3) CONSTRUCTION CLASSIFICATION: I-B (NON-COMBUSTIBLE, UNPROTECTED)
- (4) BUILDING HEIGHT:  
ALLOWABLE HEIGHT & STOREYS: 16'-0" & 11 STOREYS  
ACTUAL HEIGHT & STOREYS: 105'-0" & 5 STOREYS

- (5) BUILDING AREA:  
TOTAL ALLOWABLE AREA: UNLIMITED  
AREA OF BUILDING (SIXTH FLOOR): 11381 SF  
AREA OF RENOVATED SPACE: 693 SF

- (6) AUTOMATIC SPRINKLER SYSTEM:  
BUILDING IS PROTECTED THROUGHOUT BY AN AUTOMATIC SPRINKLER SYSTEM.

- (7) FIRE ALARM SYSTEM:  
BUILDING IS PROTECTED THROUGHOUT BY A FIRE ALARM SYSTEM.

### ASBESTOS CONTAINING MATERIALS

#### LEAD-BASED MATERIALS

#### (DISCLOSURE STATEMENT)

THE CONTRACTOR AND SUB-CONTRACTOR SHALL BE AWARE THAT ASBESTOS CONTAINING MATERIALS ARE PRESENT WITHIN THE DWELLING UNIT, INCLUDING, BUT NOT LIMITED TO THE SEALANT / GLAZING AROUND THE BATHTUB. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL VIRGINIA OCCUPATIONAL SAFETY AND HEALTH (VOSSH) REGULATIONS AS THEY PERTAIN TO EMPLOYEE EXPOSURES TO LEAD. ALL LEAD AND LEAD-COATED BUILDING COMPONENTS SHALL BE RECYCLED TO THE EXTENT POSSIBLE.

IF THE CONTRACTOR SHOULD SUSPECT OTHER EXISTING MATERIAL INVOLVED IN THE WORK OF CONTAINING ASBESTOS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE RRHA PROJECT MANAGER.

#### CONSULTANTS

#### MECHANICAL / PLUMBING ENGINEERING

#### MANN & ASSOCIATES, INC.

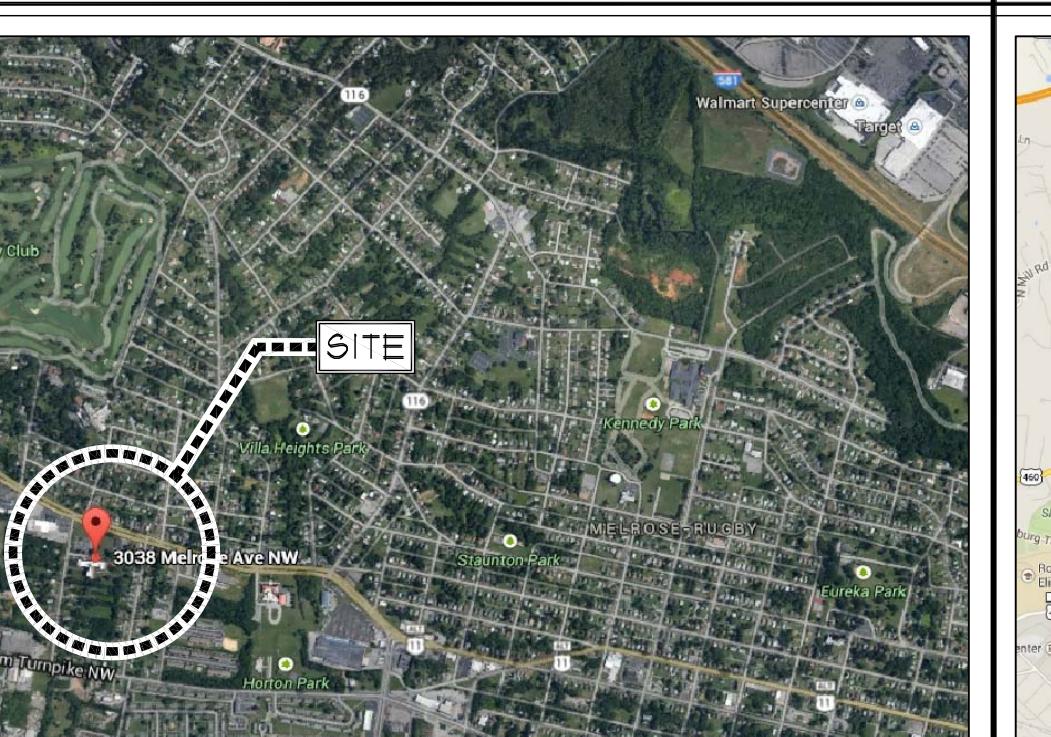
306 MARKET STREET  
ROANOKE, VA 24011  
PHONE: (540) 344-5515  
FAX: (540) 772-0235  
CONTACT: JOHN MANN, P.E.  
E-MAIL: jman@mamassociatesinc.com

#### ELECTRICAL ENGINEERING

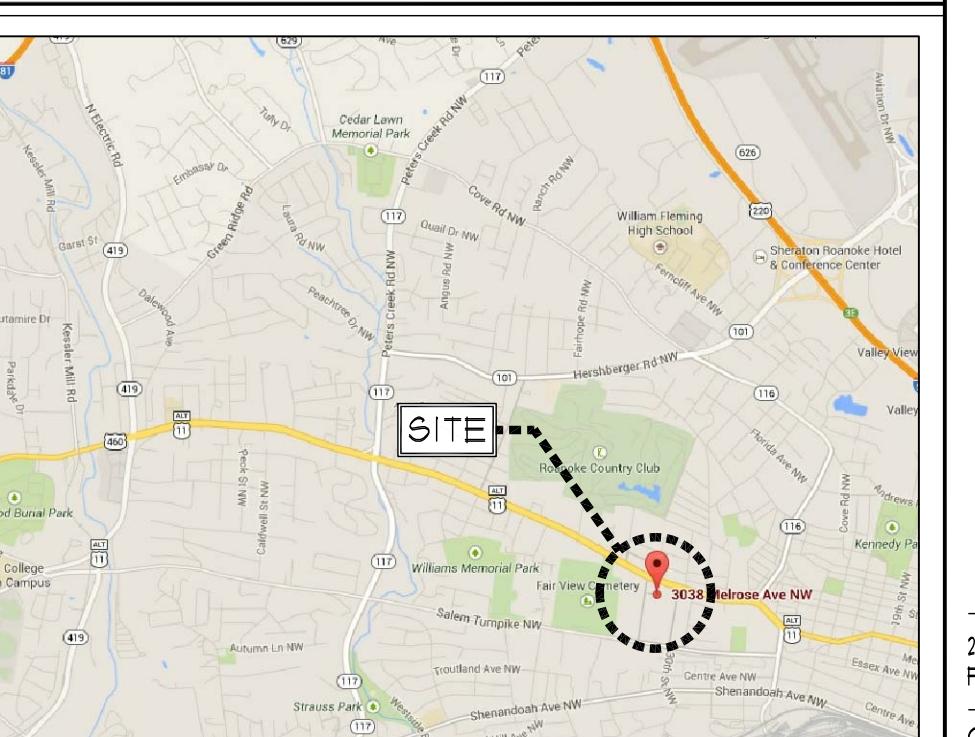
RRHA - MELROSE TOWERS  
UNIT 601 - SECTION 504 MODIFICATIONS  
TITLE SHEET  
Revisions

Comm. No. 1514.01  
Date 08/21/2015  
Design MCO  
Drawing MIL  
Check LGM  
File 1514.01 - T101.DWG  
Sheet T101  
William R Jennings, Jr.  
Consulting Engineering, PC  
E-mail: wjennings@williamrjenningspc.com  
Phone: (434) 525-1029  
Fax: (151) 282-2636  
T101  
MARTIN & CO. ARCH. INC.  
© COPYRIGHT 2015

### VICINITY MAP

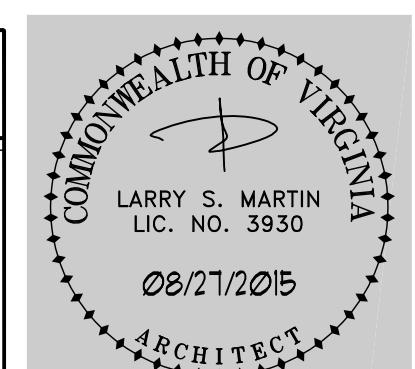


### LOCATION MAP



William R Jennings, Jr.  
Consulting Engineering, PC  
E-mail: wjennings@williamrjenningspc.com  
Phone: (434) 525-1029  
Fax: (151) 282-2636

**MARTIN & CO.**  
ARCHITECTS, INC.  
104 Arlington Avenue  
Radford, Virginia 24141  
540-731-1444  
540-639-2030 Fax  
www.mco-arch.com

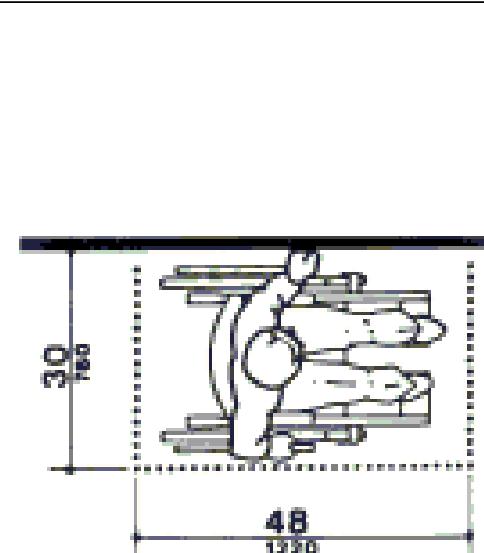
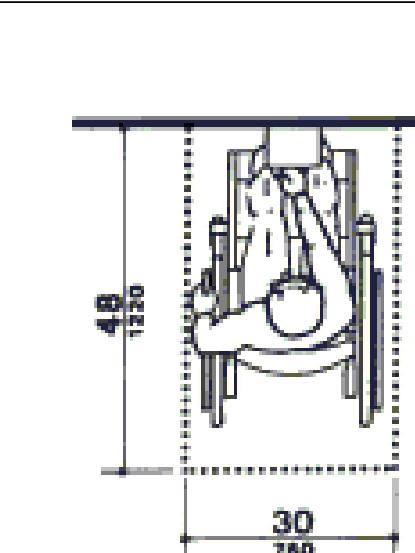
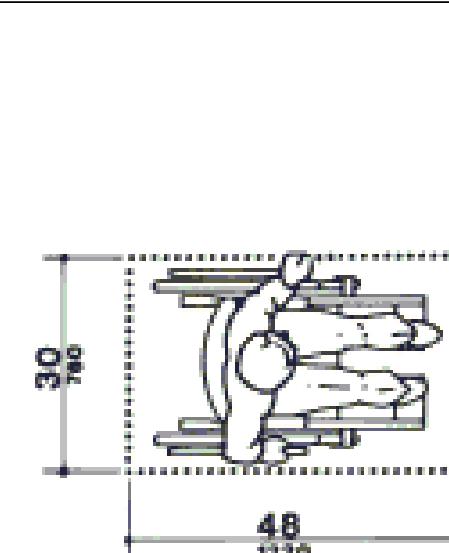
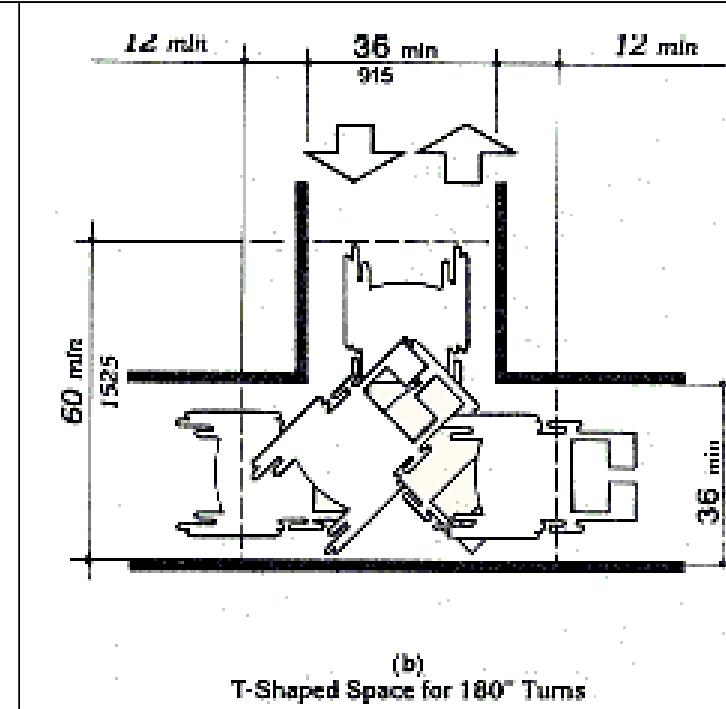
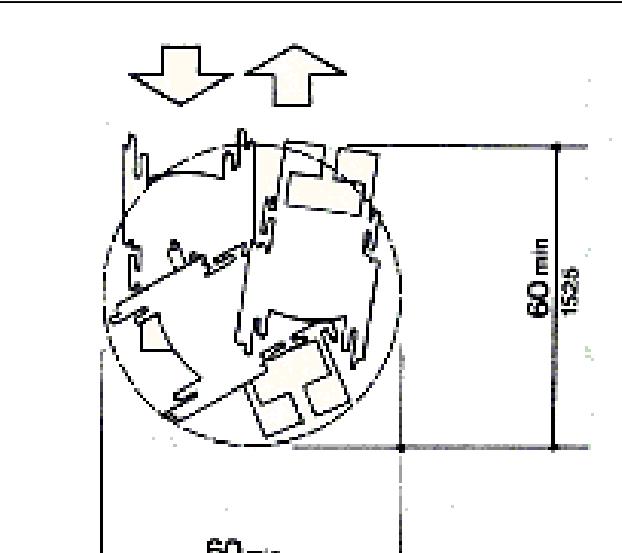
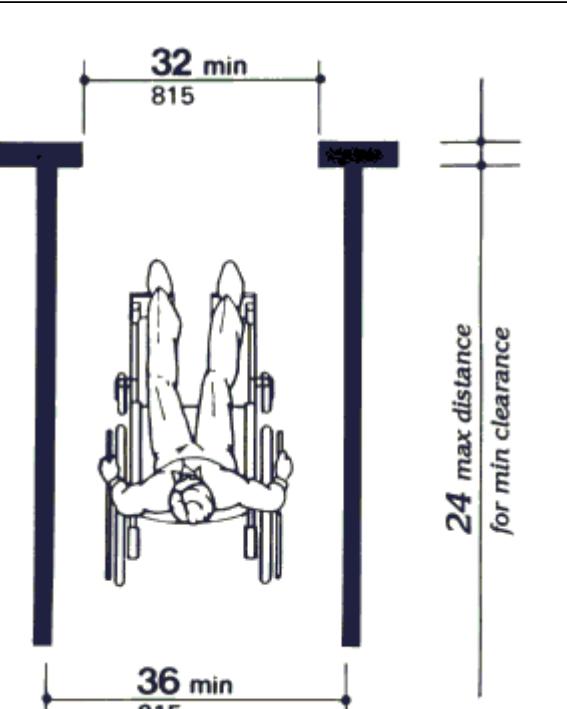


# UFAS ACCESSIBILITY REQUIREMENTS (WHERE NOT OTHERWISE NOTED ON PLANS)



UNITED STATES  
ACCESS BOARD

Convention	Description
	Typical dimension line showing U.S. customary units (inches) above the line and SI units (millimeters) below
	Dimensions for short distances indicated on extended line
	Dimension line showing alternate dimensions required
	Direction of approach
	Maximum
	Minimum
	Boundary of clear floor area
	Centerline



GRAPHIC CONVENTIONS

TABLE I MINIMUM CLEAR WIDTH FOR SINGLE WHEELCHAIR

FIGURE I

WHEELCHAIR TURNING SPACE

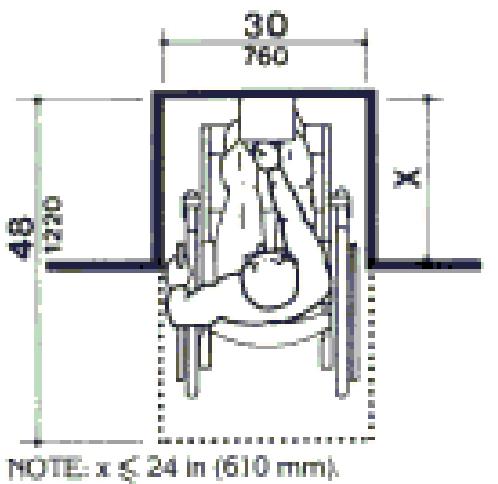
FIGURE 3a

WHEELCHAIR TURNING SPACE

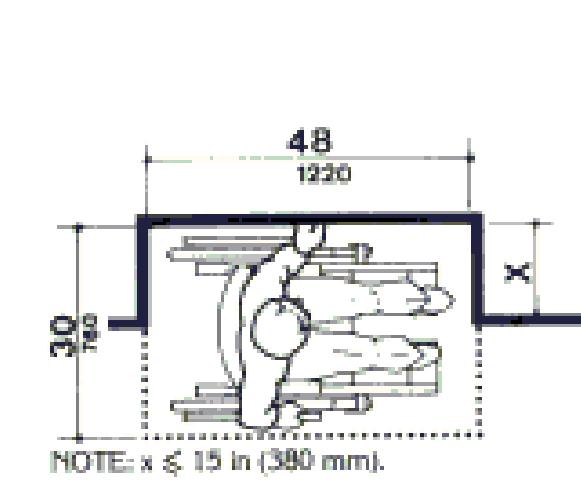
FIGURE 3b

MINIMUM CLEAR FLOOR SPACE FOR WHEELCHAIRS

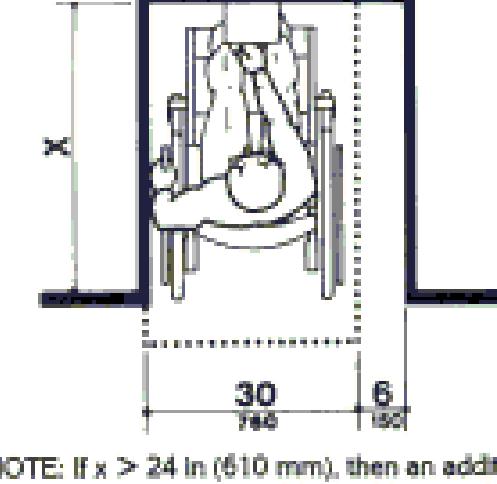
FIGURE 4a-4c



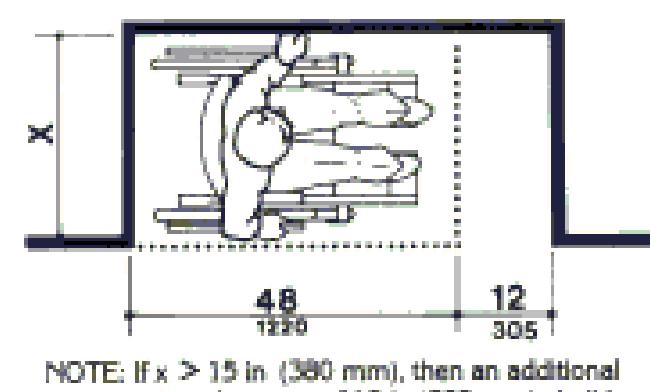
(d) Clear Floor Space in Alcoves



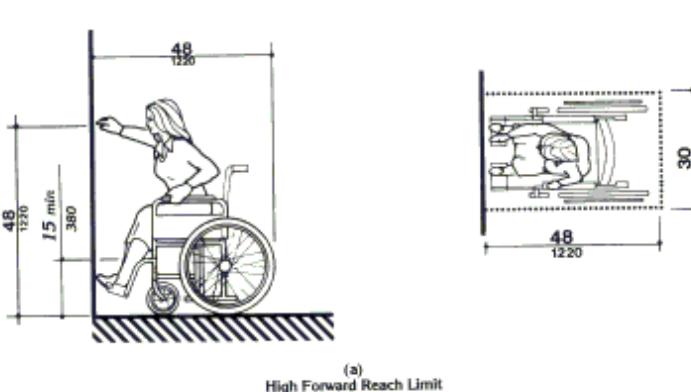
NOTE: x ≤ 24 in (610 mm).



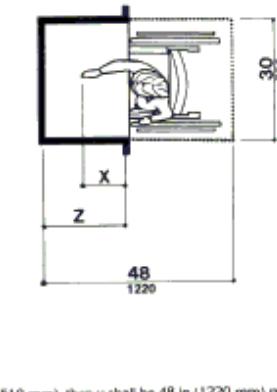
NOTE: If x > 24 in (610 mm), then an additional maneuvering clearance of 6 in (150 mm) shall be provided as shown.



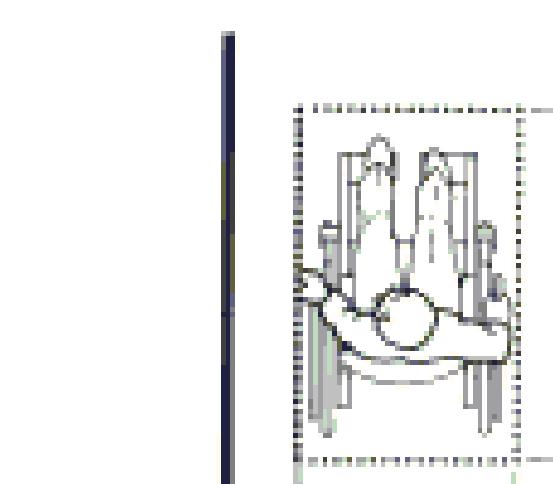
NOTE: If x > 15 in (380 mm), then an additional maneuvering clearance of 12 in (305 mm) shall be provided as shown.



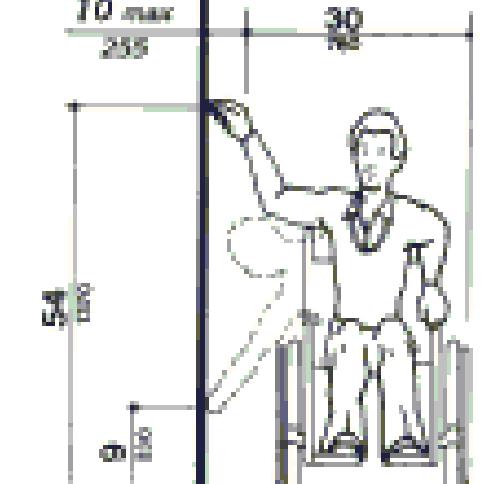
(a) High Forward Reach Limit  
NOTE: x shall be 25 in (635 mm); x shall be ≥ x. When x < 20 in (510 mm), then x shall be 48 in (1220 mm) maximum. When x is 20 to 25 in (510 to 635 mm), then x shall be 44 in (1120 mm) maximum.



(b) Maximum Forward Reach over an Obstruction



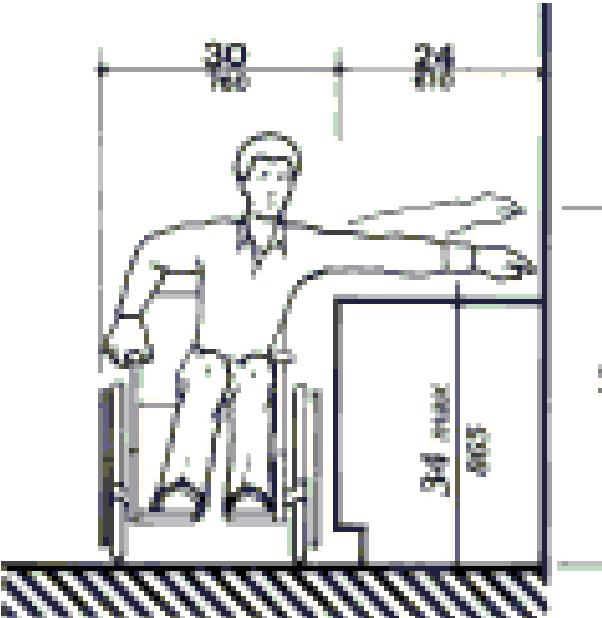
(a) Clear Floor Space Parallel Approach



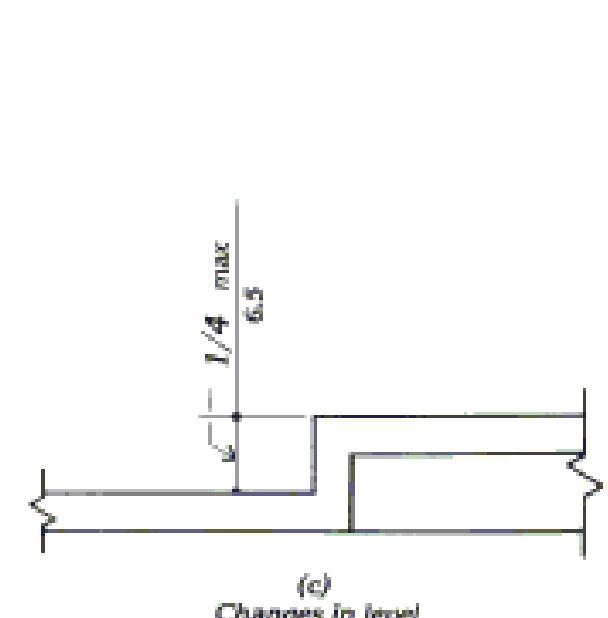
(b) High and Low Side Reach Limits

MINIMUM CLEAR FLOOR SPACE FOR WHEELCHAIRS

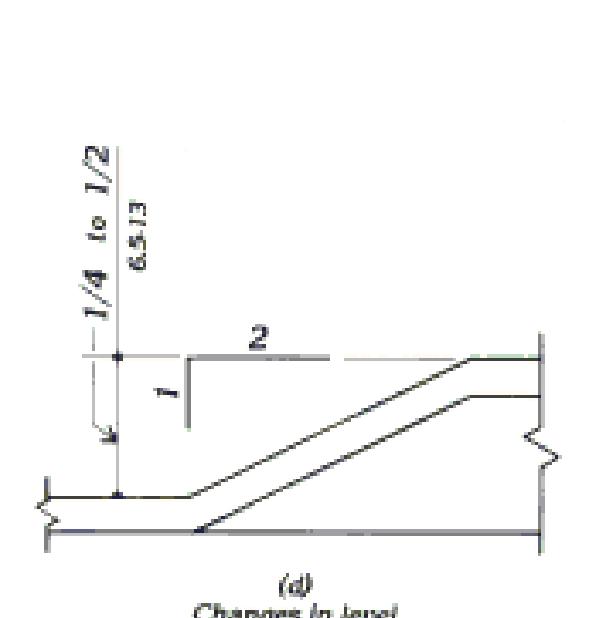
FIGURE 4d



(c) Maximum Side Reach over Obstruction



(c) Changes in Level



(d) Changes in Level

SIDE REACH

FIGURE 6c

CHANGES IN LEVEL

FIGURE 7c-7d

CLEAR DOORWAY WIDTH 4 DEPTH HINGED DOOR

FIGURE 24b

CLEAR DOORWAY WIDTH 4 DEPTH FOLDING DOOR

FIGURE 24d

CLEAR DOORWAY WIDTH 4 DEPTH MAXIMUM DOORWAY DEPTH

FIGURE 24e

MANEUVERING CLEARANCES AT DOORS

FIGURE 25a

Pull Side

Push Side

NOTE: x = 36 in (915 mm) minimum if y = 60 in (1525 mm); x = 42 in (1065 mm) minimum if y = 54 in (1370 mm).

NOTE: y = 48 in (1220 mm) minimum if door has closer.

(b) Hinge Side Approaches — Swinging Doors

(c) Latch Side Approaches — Swinging Doors

NOTE: All doors in alcoves shall comply with the clearances for front approaches.

MANEUVERING CLEARANCES AT DOORS

FIGURE 25b

MANEUVERING CLEARANCES AT DOORS

FIGURE 25c

MANEUVERING CLEARANCES AT DOORS

FIGURE 25d-25f

CLEAR FLOOR SPACE AT WATER CLOSETS

FIGURE 26

(a) Back Wall

(b) Side Wall

GRAB BARS AT WATER CLOSETS

FIGURE 29a-29b

GRAB BARS AT WATER CLOSETS

FIGURE 29a-29b

LAVATORY CLEARANCES

FIGURE 31

CLEAR FLOOR SPACE AT LAVATORIES

FIGURE 32

CLEAR FLOOR SPACE AT BATHTUBS

FIGURE 33a

GRAB BARS AT BATHTUBS

FIGURE 34a-34b

SIZE AND SPACING OF GRAB BARS

FIGURE 39a

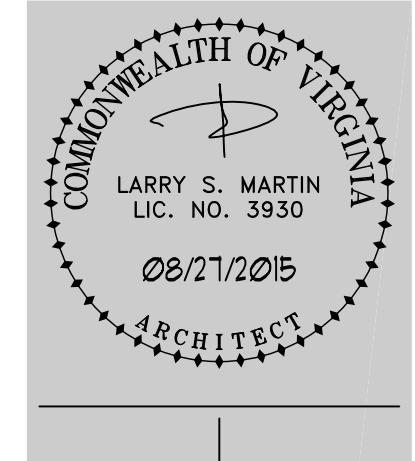
PRHA - MELROSE TOWERS  
UNIT 601 - SECTION 504 MODIFICATIONS  
ACCESSIBILITY REQUIREMENTS  
REVISIONS

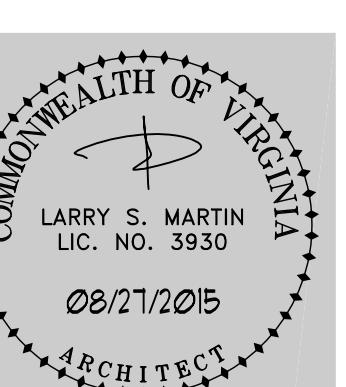
Revisions

Comm. No. 15401  
Date 08/21/2015  
Design MCO  
Drawing MUN  
Check LSM  
File 15401-T02.DWG  
Sheet T02

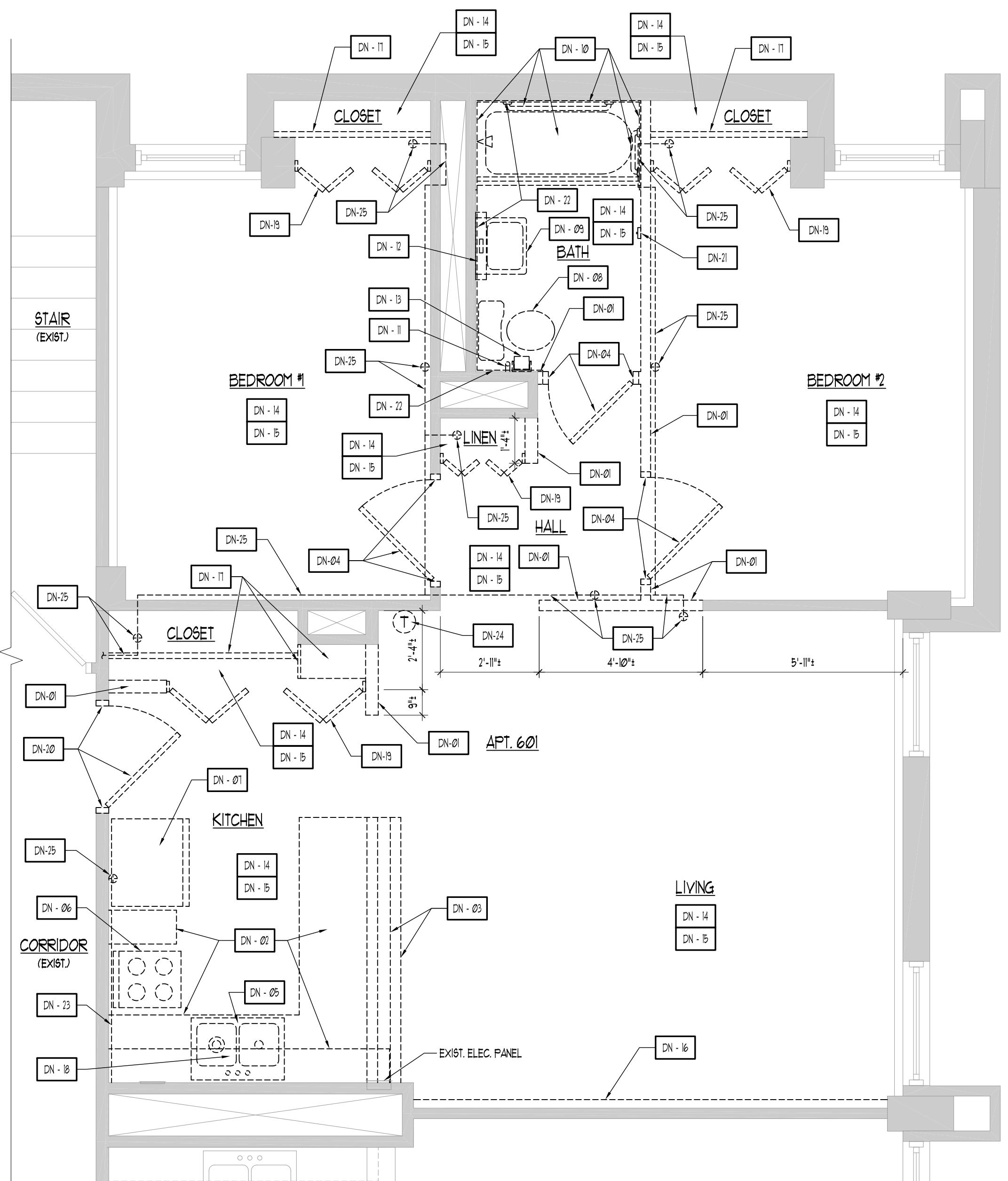
MARTIN & CO. ARCH. INC.  
© COPYRIGHT 2015

MARTIN & CO. ARCH. INC.  
104 Arlington Avenue  
Radford, Virginia 24141  
540-731-1474  
540-639-2030 Fax  
www.mco-arch.com





LARRY S. MARTIN  
LIC. NO. 3530  
08/21/2015  
ARCHITECT



### TWO-BEDROOM UNIT FLOOR PLAN - DEMOLITION

SCALE: 30'0" x 10'0"

#### DEMOLITION KEY NOTES

- [DN-01] REMOVE PORTION OF EXISTING STUD / GUB WALL TO EXTENT SHOWN.
- [DN-02] REMOVE EXISTING BASE CABINETS, WALL CABINETS AND COUNTERTOP AND ALL ASSOCIATED ACCESSORIES.
- [DN-03] REMOVE EXISTING LOW WALL AND BAR COUNTERTOP AND ALL ASSOCIATED ACCESSORIES.
- [DN-04] REMOVE EXISTING DOOR, DOOR FRAME AND ALL ASSOCIATED ACCESSORIES AND DOOR HARDWARE. (SEE RETAIN BY OWNER NOTE ABOVE).
- [DN-05] REMOVE EXISTING SINK AND ALL ASSOCIATED ACCESSORIES. (SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION) (SEE RETAIN BY OWNER NOTE ABOVE).
- [DN-06] EXISTING GAS RANGE HAS ALREADY BEEN REMOVED. (SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION)
- [DN-07] EXISTING REFRIGERATOR HAS ALREADY BEEN REMOVED.
- [DN-08] EXISTING TOILET HAS ALREADY BEEN REMOVED. (SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION)
- [DN-09] EXISTING LAVATORY / VANTY HAS ALREADY BEEN REMOVED. (SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION)
- [DN-10] REMOVE EXISTING TUB / SHOWER GRAB BARS AND WALL TILE. PREPARE EXISTING STUDS / CMU FOR INSTALLATION OF NEW TUB / SHOWER AND BACKBOARD / WALL TILE. (SEE RETAIN BY OWNER NOTE ABOVE).
- [DN-11] REMOVE EXISTING GRAB BAR. (SEE RETAIN BY OWNER NOTE ABOVE).
- [DN-12] REMOVE EXISTING WALL MOUNTED MEDICINE CABINET / MIRROR. (SEE RETAIN BY OWNER NOTE ABOVE).
- [DN-13] REMOVE EXISTING TOILET PAPER HOLDER. (SEE RETAIN BY OWNER NOTE ABOVE).

NOTE: INTENT OF NOTATION SYMBOLS SHOWN WITHOUT ARROWS -  
DEMOLITION NOTE SHALL BE IMPLEMENTED THROUGHOUT  
THE ENTIRE ROOM WHERE THE SYMBOL IS SHOWN.

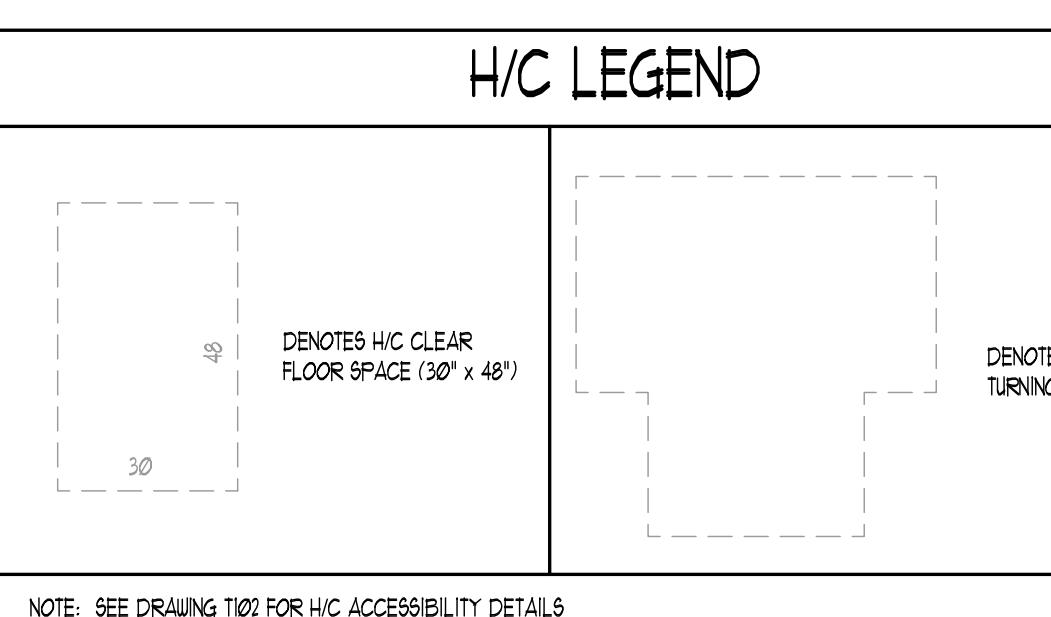
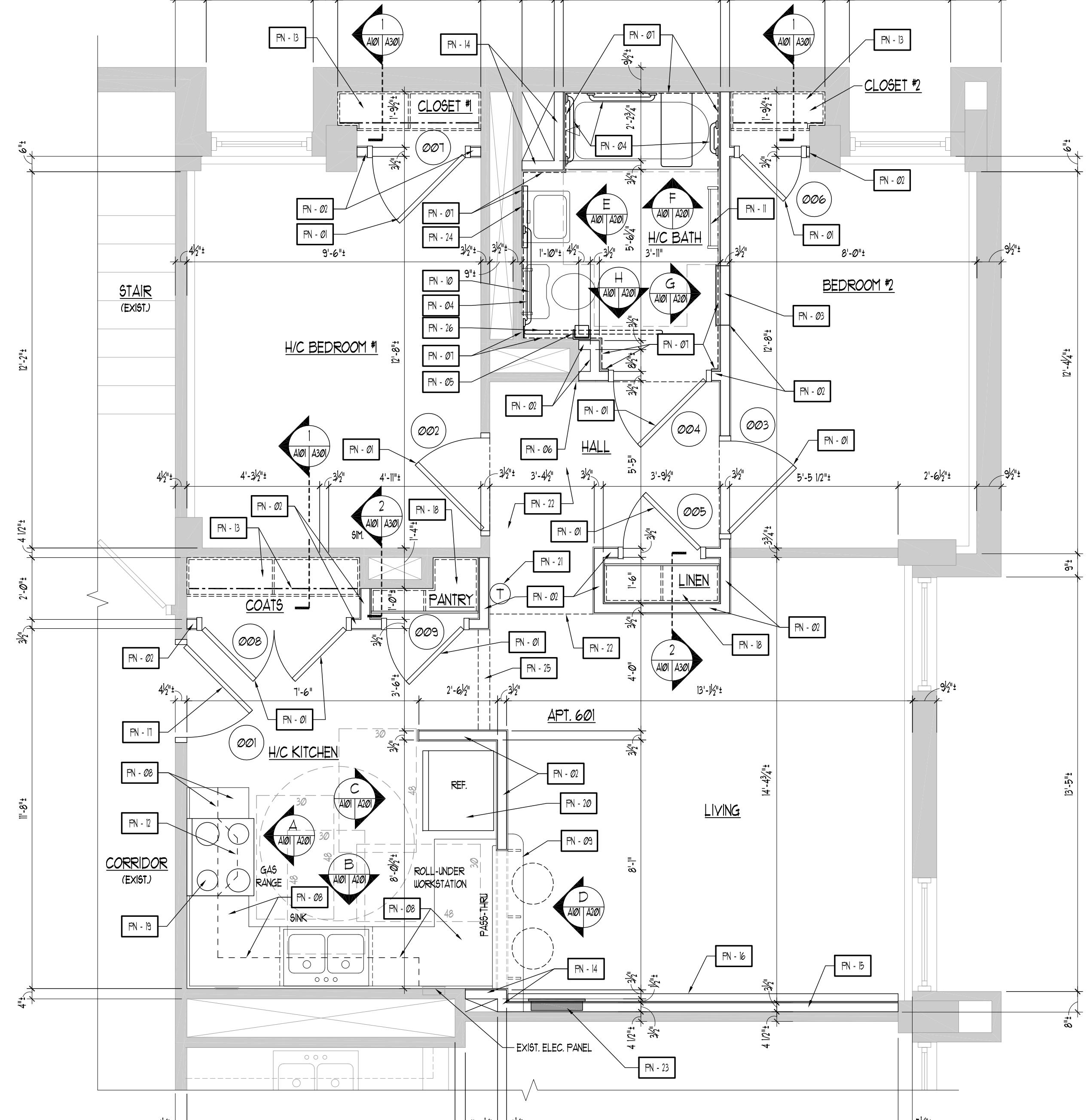
RETAIN BY OWNER:  
CONTRACTOR SHALL CONTACT RRHA MAINTENANCE STAFF  
REGARDING SALVAGE PRIOR TO DISPOSAL OF THESE ITEMS.

### TWO-BEDROOM UNIT FLOOR PLAN - NEW WORK

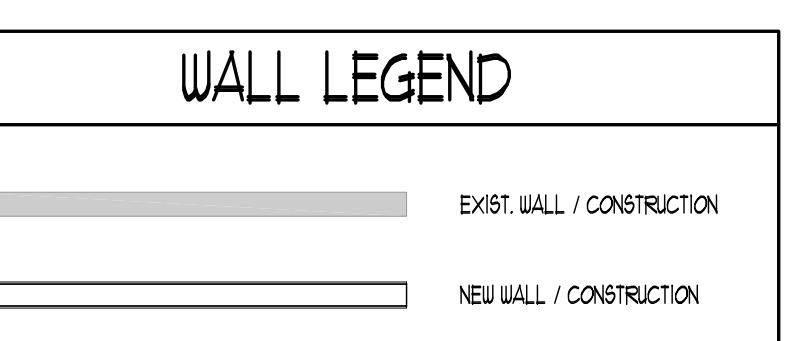
SCALE: 30'0" x 10'0"

#### PLAN KEY NOTES

- [DN-01] PROVIDE NEW WOOD DOOR, HOLLOW METAL FRAME AND DOOR HARDWARE IN EXISTING / NEW GUB / METAL STUD WALL. (SEE DOOR SCHEDULE ON DRAWING A201 FOR ADDITIONAL INFORMATION)
- [DN-02] EXISTING WALL BASE HAS ALREADY BEEN REMOVED. PREPARE EXISTING WALL SURFACE FOR INSTALLATION OF NEW WALL BASE AS SCHEDULED.
- [DN-03] REMOVE EXISTING BASEBOARD HEATER. (SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION)
- [DN-04] REMOVE EXISTING SHELF / SHELVING AND ROD.
- [DN-05] REMOVE EXISTING UNDER SINK GARBAGE DISPOSAL. (SEE RETAIN BY OWNER NOTE ABOVE)
- [DN-06] REMOVE EXISTING FOLDING DOOR PANELS, TRACKS AND ASSOCIATED HARDWARE. (SEE RETAIN BY OWNER NOTE ABOVE) (NOTE: SOME DOOR PANELS HAVE ALREADY BEEN REMOVED).
- [DN-07] REMOVE EXISTING HOLLOW METAL ENTRY DOOR, DOOR FRAME AND ALL ASSOCIATED ACCESSORIES AND DOOR HARDWARE. RETAIN EXISTING DOOR KNOCKER AND PEEPHOLE FOR INSTALLATION INTO NEW ENTRY DOOR. (SEE RETAIN BY OWNER NOTE ABOVE FOR THE REMAINING ITEMS)
- [DN-08] REMOVE EXISTING EMERGENCY CALL BUTTON AND RETAIN FOR REINSTALLATION. (SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION)
- [DN-09] REMOVE EXISTING GUB FROM THE WALLS IN ITS ENTIRETY THROUGHOUT THE EXISTING BATHROOM. PREPARE WALL / STUD SURFACES TO RECEIVE NEW MATERIALS.
- [DN-10] REMOVE EXISTING WALL-MOUNTED PANEL. PREPARE WALL SURFACE TO RECEIVE NEW FINISH MATERIAL.
- [DN-11] REMOVE EXISTING WALL-MOUNTED THERMOSTAT. (SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION)
- [DN-12] REMOVE EXISTING SPRINKLER PIPING AND SPRINKLER HEADS AND ALL ASSOCIATED ACCESSORIES THROUGHOUT THE UNIT. SEE SPRINKLER SYSTEM NOTES ON PLUMBING DRAWING P101 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. (CONTRACTOR SHALL SALVAGE ALL SPRINKLER PIPE, PLASTIC COVERS, PIPE BRACKETS, SPRINKLER HEAD COVERS, ETC. AND RETURN TO THE RRHA MAINTENANCE STAFF AT MELROSE TOWERS.)
- [DN-13] PROVIDE NEW SHELF AND ROD. (SEE SECTION I ON DRAWING A201 FOR ADDITIONAL INFORMATION)
- [DN-14] PROVIDE FULL HEIGHT GUB (ONE SIDE) / METAL STUD CHASE WALL. (SEE ASBESTOS CONTAINING MATERIALS DISCLOSURE STATEMENT ON DRAWING T101).
- [DN-15] PROVIDE FULL HEIGHT GUB (ONE SIDE) / METAL STUD WALL AGAINST EXISTING WALL. (SEE ASBESTOS CONTAINING MATERIALS DISCLOSURE STATEMENT ON DRAWING T101).
- [PN-01] PROVIDE NEW BASEBOARD HEATER. (SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION)
- [PN-02] PROVIDE NEW FULL HEIGHT GUB / METAL STUD WALL. (SEE ASBESTOS CONTAINING MATERIALS DISCLOSURE STATEMENT ON DRAWING T101).
- [PN-03] PROVIDE NEW RECESSED MEDICINE CABINET MOUNTED WITH BOTTOM EDGE OF REFLECTIVE SURFACE @ 40" AFF. (SEE INTERIOR ELEVATION G ON DRAWING A201 FOR ADDITIONAL INFORMATION).
- [PN-04] PROVIDE 1/2" METAL GRAB BARS MOUNTED @ 3'-0" AFF. (SEE INTERIOR ELEVATIONS E, F, G & H ON DRAWING A201 FOR ADDITIONAL INFORMATION).
- [PN-05] PROVIDE NEW TOILET PAPER DISPENSER (SEE INTERIOR ELEVATION H ON DRAWING A201 FOR ADDITIONAL INFORMATION).
- [PN-06] PATCH AND REPAIR WALL SURFACE TO RECEIVE NEW FINISH AND WALL BASE. PATCH AND REPAIR FLOOR SURFACE TO RECEIVE NEW FLOOR FINISH. PATCH AND REPAIR CEILING. (SEE ASBESTOS CONTAINING MATERIALS DISCLOSURE STATEMENT ON DRAWING T101).
- [PN-07] INSTALL NEW CEMENT BACKER BOARD AND 6 x 6 CERAMIC WALL TILE (SEE INTERIOR ELEVATIONS E, F, G & H ON DRAWING A201 FOR ADDITIONAL INFORMATION).
- [PN-08] INSTALL NEW BASE AND WALL CABINETS AND COUNTERTOP. (SEE INTERIOR ELEVATIONS A, B & C ON DRAWING A201 FOR ADDITIONAL INFORMATION).
- [PN-09] INSTALL NEW BAR COUNTERTOP. (SEE INTERIOR ELEVATION C & D ON DRAWING A201 FOR ADDITIONAL INFORMATION).
- [PN-10] PROVIDE NEW 18" TOEEL BAR MOUNTED AT 54" AFF.
- [PN-11] PROVIDE NEW 24" TOEEL BAR MOUNTED AT 54" AFF.
- [PN-12] PROVIDE NEW BROAN RANGE HOOD (GCE SERIES OR EQUIVALENT) - ENERGY STAR QUALIFIED, 2 SPEED CENTRIFUGAL FAN, MINIMUM AIR DELIVERY OF 100 CFM AT THE LOU SETTING, MAXIMUM SOUND LEVEL OF 2.0 SONES AT LOU SPEED, MINIMUM EFFICIENCY LEVEL OF 2.8 CFM / WATT, AIR AND SOUND RATINGS CERTIFIED BY UL LISTED. CONTRACTOR SHALL PROVIDE FLUORESCENT LAMP (LAMP SIZE TO MEET MANUFACTURER'S RECOMMENDATION). RANGE HOOD COLOR SHALL BE WHITE.
- [PN-13] PROVIDE NEW SHELF AND ROD. (SEE SECTION I ON DRAWING A201 FOR ADDITIONAL INFORMATION)
- [PN-14] PROVIDE FULL HEIGHT GUB (ONE SIDE) / METAL STUD CHASE WALL. (SEE ASBESTOS CONTAINING MATERIALS DISCLOSURE STATEMENT ON DRAWING T101).
- [PN-15] PROVIDE FULL HEIGHT GUB (ONE SIDE) / METAL STUD WALL AGAINST EXISTING WALL. (SEE ASBESTOS CONTAINING MATERIALS DISCLOSURE STATEMENT ON DRAWING T101).
- [PN-16] PROVIDE 1/4" METAL SWING-UP SAFETY GRAB BAR WITH LEG. MOUNT GRAB BAR ASSEMBLY WITH TOP OF GRAB BAR @ 3'-0" AFF. (SEE INTERIOR ELEVATIONS E & H ON DRAWING A201 FOR ADDITIONAL INFORMATION).

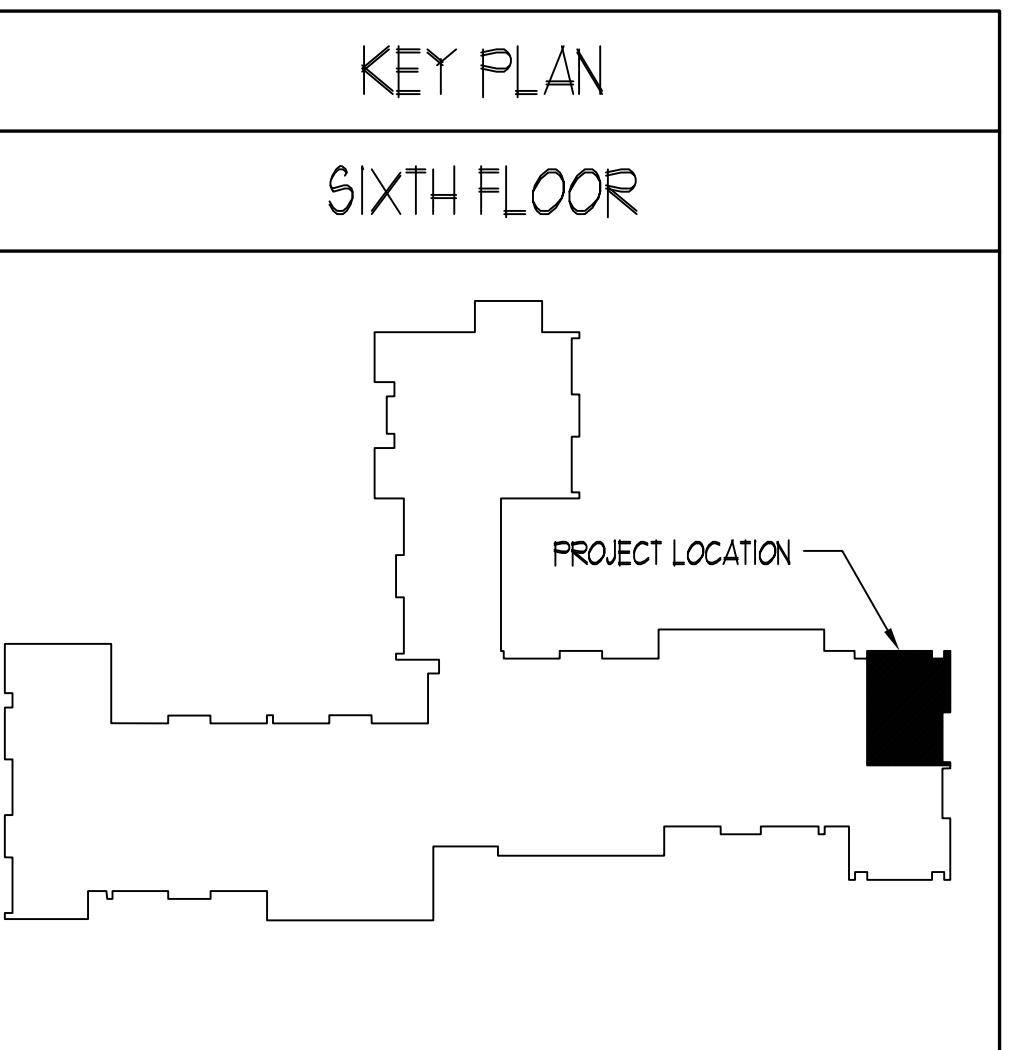


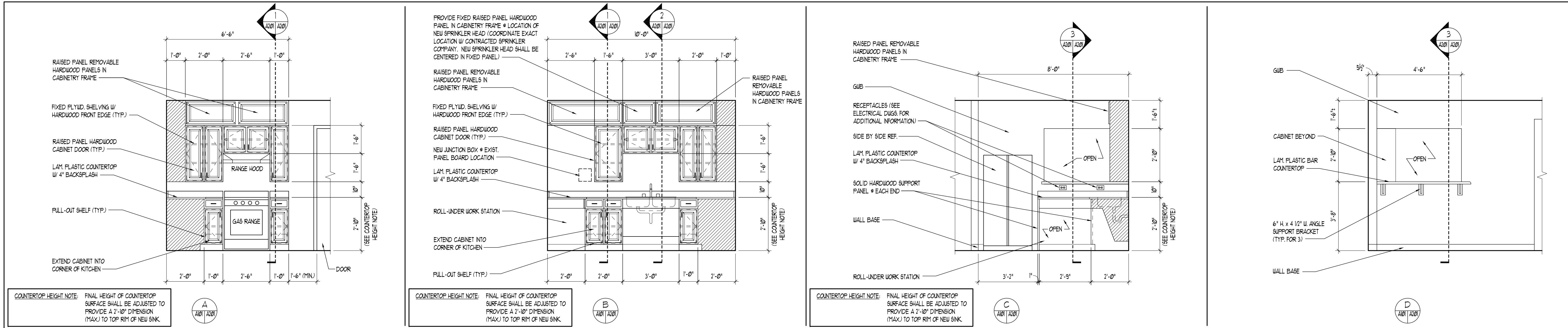
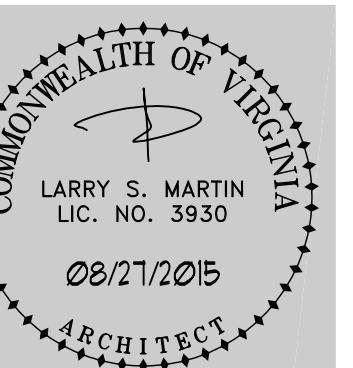
NOTE: SEE DRAWING T102 FOR H/C ACCESSIBILITY DETAILS



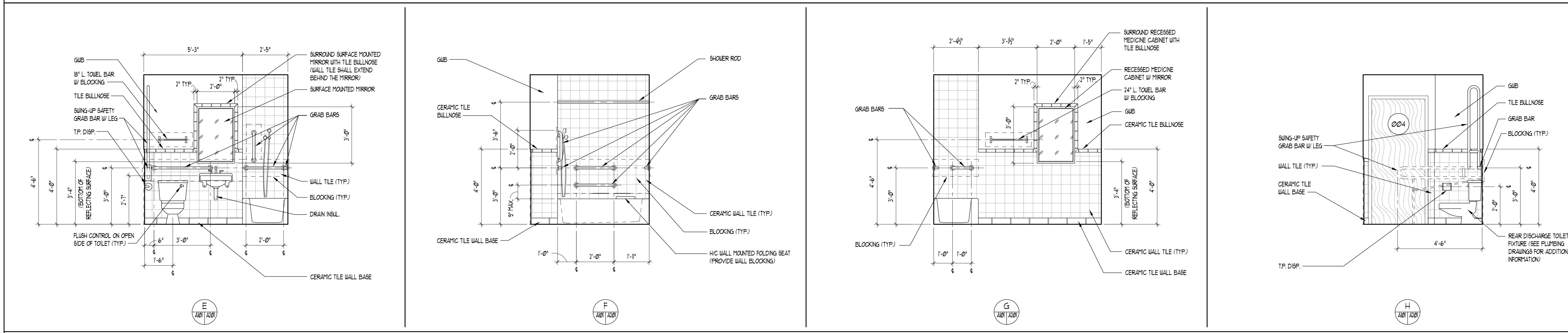
#### KEY PLAN

#### SIXTH FLOOR

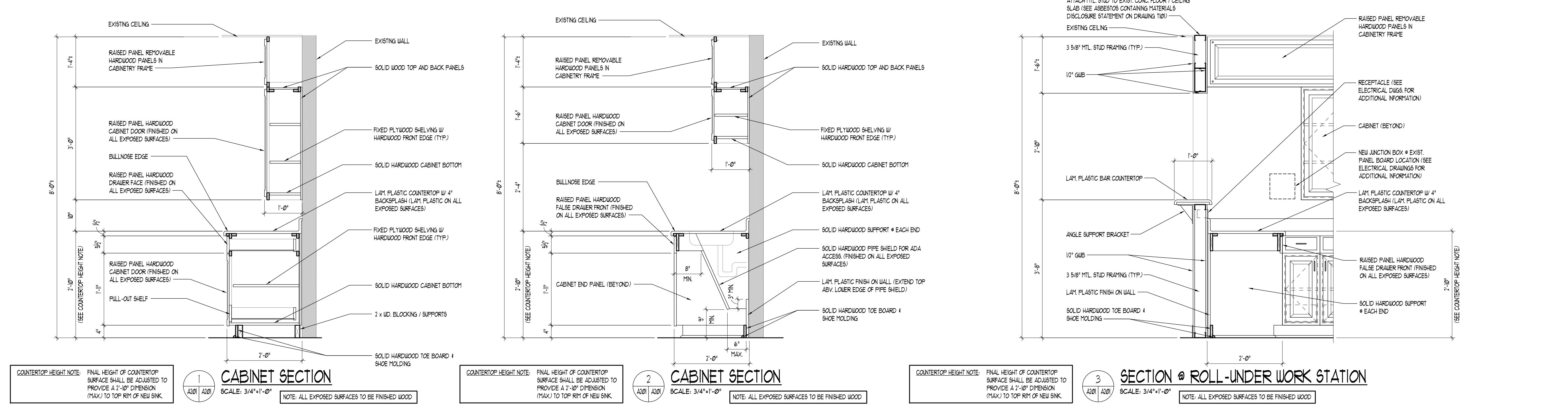


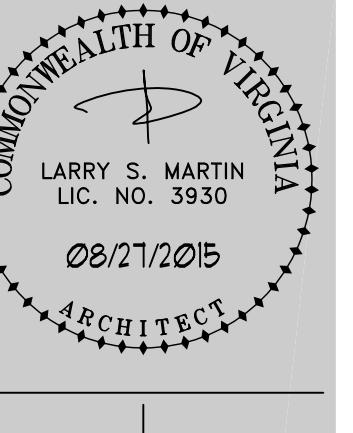


SCALE: 3/8"=1'-0"



SCALE: 3/8"=1'-0"





ROOM NAME	FLOOR	BASE	WALL	CEILING		REMARKS
				MATL	HEIGHT	
BEDROOM #1	VCT	RUBBER	EXIST. / NEW GUB - PAINT	EXIST. (+)	8'-0" (EXIST)	(+) SEE FINISH SCHEDULE NOTE FSN-02
CLOSET #1	VCT	RUBBER	EXIST. / NEW GUB - PAINT	EXIST. (+)	8'-0" (EXIST)	(+) SEE FINISH SCHEDULE NOTE FSN-02
CLOSET #2	VCT	RUBBER	EXIST. / NEW GUB - PAINT	EXIST. (+)	8'-0" (EXIST)	(+) SEE FINISH SCHEDULE NOTE FSN-02
COATS	VCT	RUBBER	EXIST. / NEW GUB - PAINT	EXIST. (+)	8'-0" (EXIST)	(+) SEE FINISH SCHEDULE NOTE FSN-02
H/C BATH	VCT	CERAMIC TILE (+)	CERAMIC TILE / GUB - PAINT (+)	EXIST. (+)	8'-0" (EXIST)	(+) SEE FINISH SCHEDULE NOTES FSN-01 & FSN-02
H/C BEDROOM #1	VCT	RUBBER	EXIST. / NEW GUB - PAINT	EXIST. (+)	8'-0" (EXIST)	(+) SEE FINISH SCHEDULE NOTE FSN-02
H/C KITCHEN	VCT	RUBBER (+)	EXIST. / NEW GUB - PAINT	EXIST. (+)	8'-0" (EXIST)	(+) SEE FINISH SCHEDULE NOTES FSN-02 & FSN-04
HALL	VCT	RUBBER	EXIST. / NEW GUB - PAINT	EXIST. (+)	7'-6" (+)	(+) SEE FINISH SCHEDULE NOTES FSN-02 & FSN-03
LINEN	VCT	RUBBER	EXIST. / NEW GUB - PAINT	EXIST. (+)	8'-0" (EXIST)	(+) SEE FINISH SCHEDULE NOTE FSN-02
LIVING	VCT	RUBBER	EXIST. / NEW GUB - PAINT	EXIST. (+)	8'-0" (EXIST)	(+) SEE FINISH SCHEDULE NOTE FSN-02
PANTRY	VCT	RUBBER	EXIST. / NEW GUB - PAINT	EXIST. (+)	8'-0" (EXIST)	(+) SEE FINISH SCHEDULE NOTE FSN-02

### FINISH SCHEDULE NOTES:

FSN-01 PROVIDE CERAMIC TILE WAINSCOTING AND FULL HEIGHT CERAMIC WALL TILE. SEE INTERIOR ELEVATIONS E, F, G & H ON DRAWING A201.

FSN-02 SEE ASBESTOS CONTAINING MATERIALS DISCLOSURE STATEMENT ON DRAWING 101.

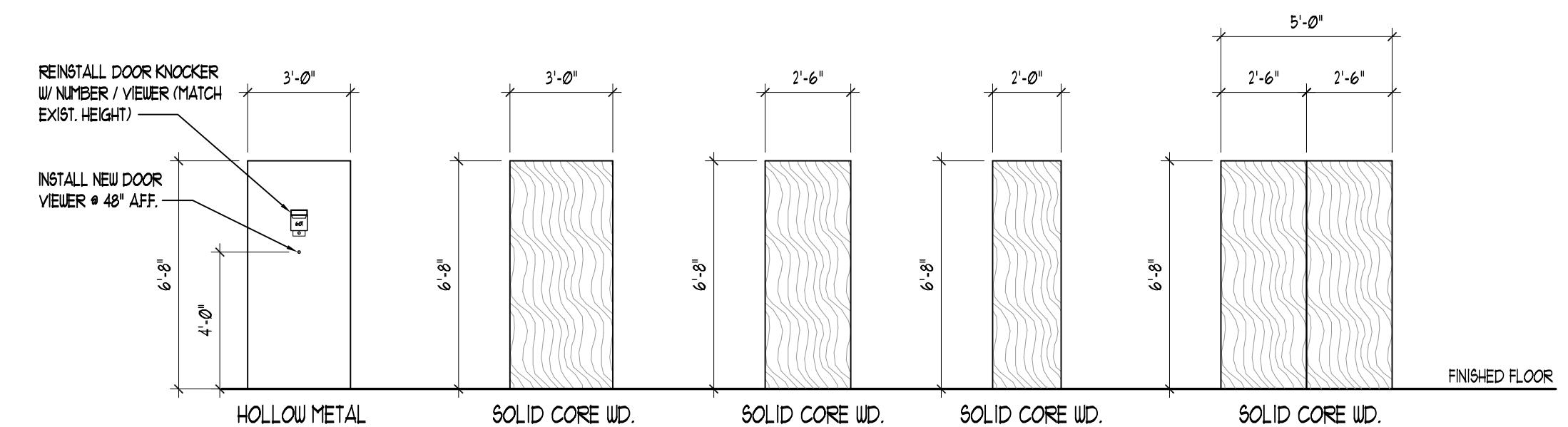
FSN-03 PROVIDE NEW 3 5/8" METAL CEILING JOISTS @ 16" O.C. W/ 1/2" GUB IN HALL AREA. ATTACH METAL STUDS TO EXISTING / NEW METAL STUD WALL FRAMING (SEE ASBESTOS CONTAINING MATERIALS DISCLOSURE STATEMENT ON DRAWING 101).

FSN-04 IN H/C KITCHEN, ONLY INSTALL RUBBER BASE ON WALLS. DO NOT INSTALL RUBBER BASE ON ANY CABINET COMPONENTS OR TOE BOARDS.

MARK	SIZE		TYPE	CORE	MATERIAL	FINISH	GLAZING	DOOR		FRAME		DETAIL	HEAD	JAMB	H.U.	RATING	REMARKS	
	WIDTH	HEIGHT						TYPE	HEAD	JAMB	HEAD	JAMB						
001	3'-0"	6'-0"	A	HOLLOW	HM	PAINT (+)	N/A	A	HM - PAINT	H1	J1	01	45 MIN	(+) SEE DOOR FINISH SCHEDULE NOTE DSN-01				
002	3'-0"	6'-0"	B	SOLID CORE WOOD	WOOD	NATURAL - STAIN / POLYURETHANE	N/A	A	HM - PAINT	H2	J2	02	..	..	..	..	..	
003	3'-0"	6'-0"	B	SOLID CORE WOOD	WOOD	NATURAL - STAIN / POLYURETHANE	N/A	A	HM - PAINT	H2	J2	02	..	..	..	..	..	
004	3'-0"	6'-0"	B	SOLID CORE WOOD	WOOD	NATURAL - STAIN / POLYURETHANE	N/A	A	HM - PAINT	H2	J2	02	..	..	..	..	..	
005	2'-6"	6'-0"	C	SOLID CORE WOOD	WOOD	NATURAL - STAIN / POLYURETHANE	N/A	B	HM - PAINT	H2	J2	03	..	..	..	..	..	
006	2'-6"	6'-0"	D	SOLID CORE WOOD	WOOD	NATURAL - STAIN / POLYURETHANE	N/A	C	HM - PAINT	H2	J2	03	..	..	..	..	..	
007	3'-0"	6'-0"	B	SOLID CORE WOOD	WOOD	NATURAL - STAIN / POLYURETHANE	N/A	A	HM - PAINT	H2	J2	03	..	..	..	..	..	
008	PR 2'-4"	6'-0"	E	SOLID CORE WOOD	WOOD	NATURAL - STAIN / POLYURETHANE	N/A	B	HM - PAINT	H2	J2	04	..	..	..	..	..	
009	2'-6"	6'-0"	C	SOLID CORE WOOD	WOOD	NATURAL - STAIN / POLYURETHANE	N/A						..	..	..	..	..	

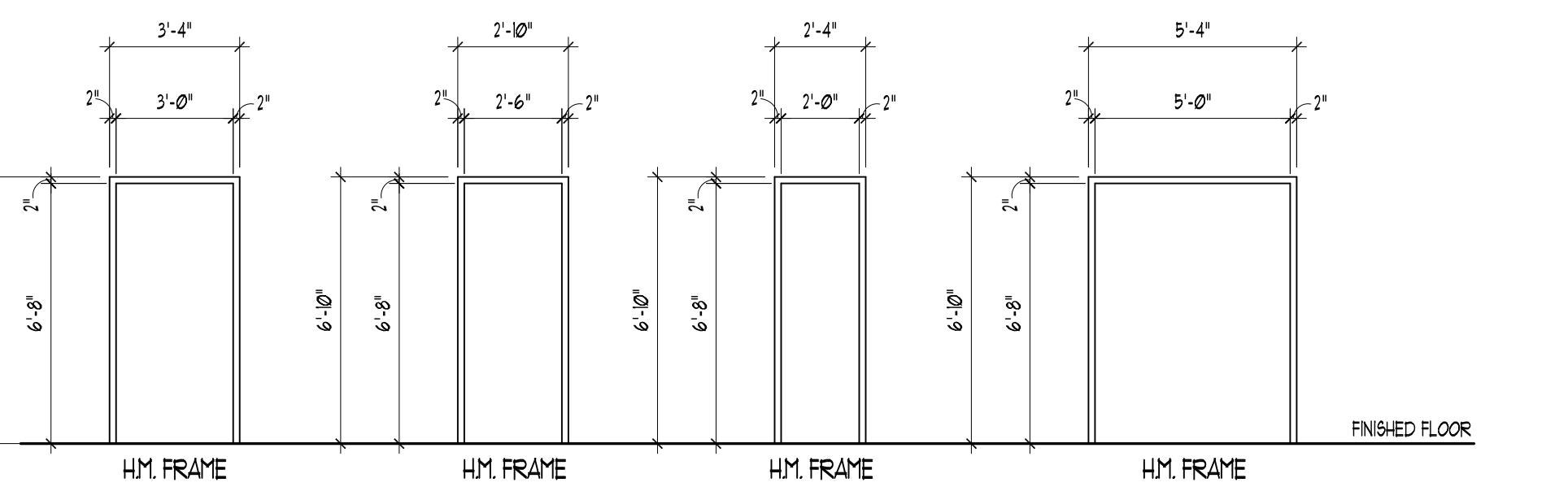
### DOOR FINISH SCHEDULE NOTES:

DSN-01 PAINT NEW HOLLOW METAL DOOR AND DOOR FRAME (COORDINATE SCHEME TO MATCH EXISTING). REINSTALL EXISTING DOOR KNOCKER WITH NUMBER / PEEPHOLE MOUNTED @ 48" AFF. DOOR AND DOOR FRAME SHALL BEAR A 45 MIN FIRE-RATING.



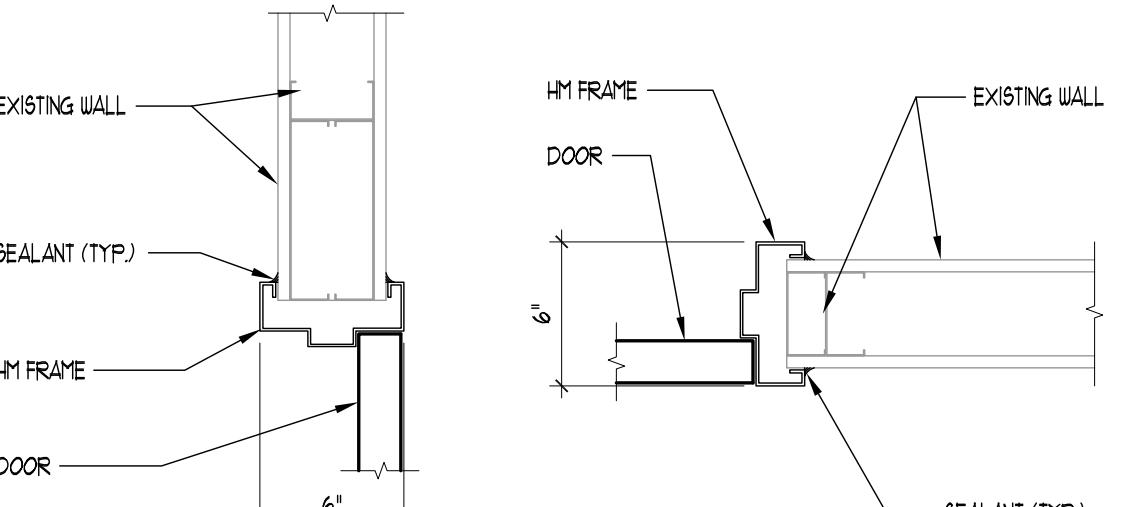
DOOR TYPE ELEVATIONS

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



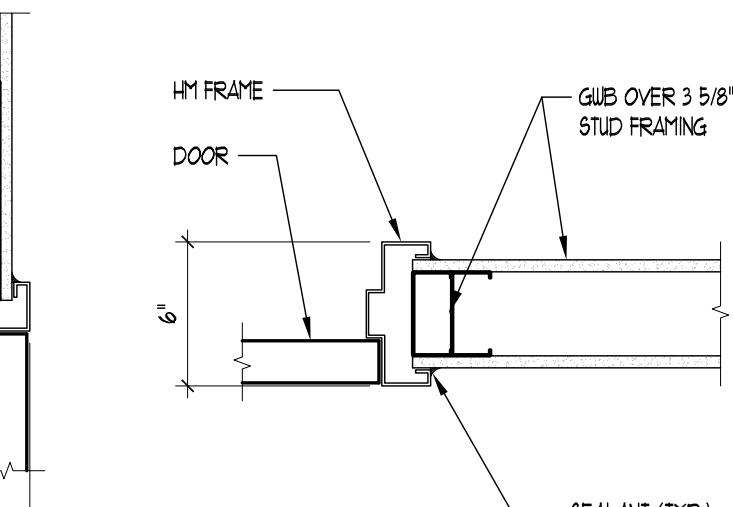
DOOR FRAME ELEVATIONS

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



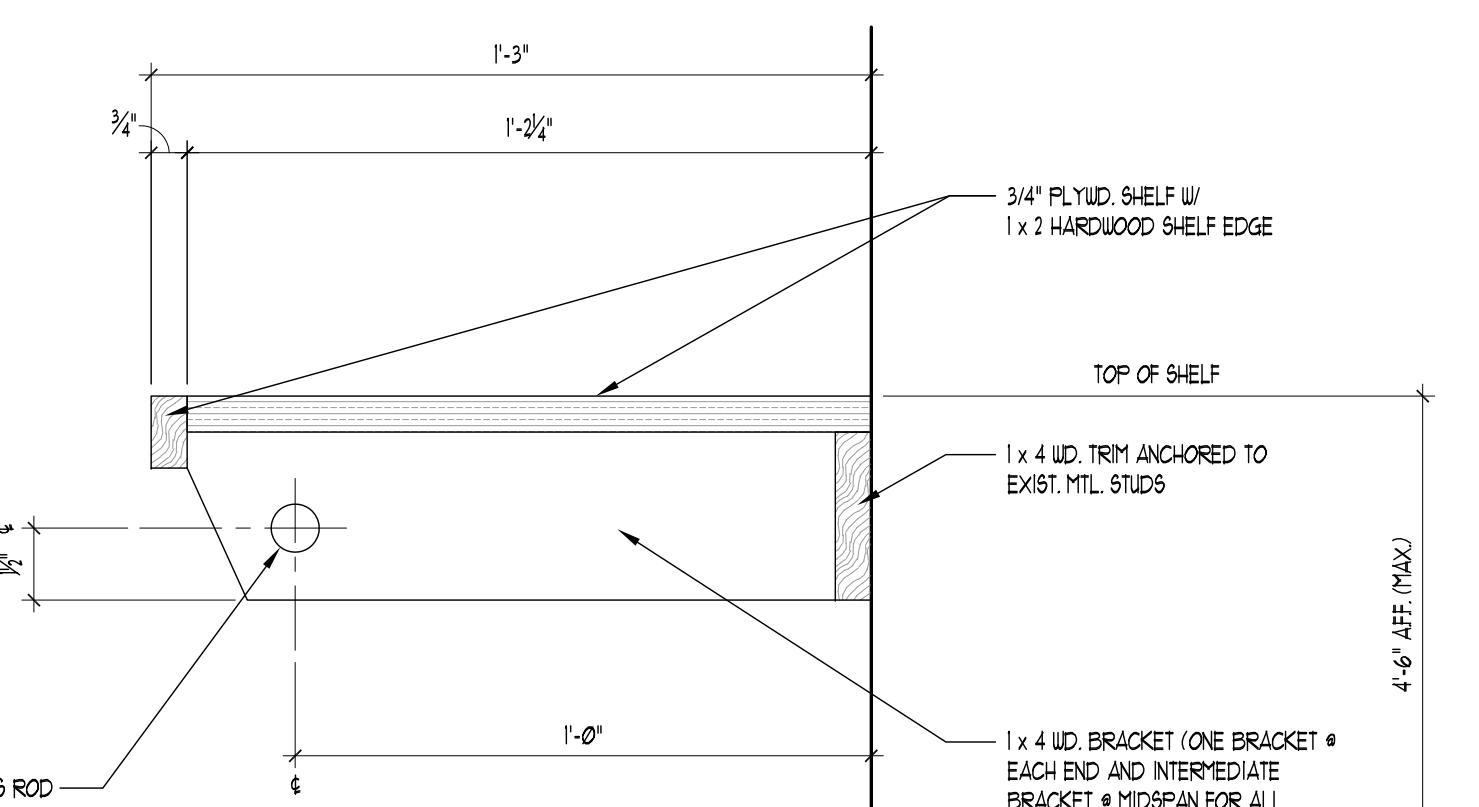
HEAD DETAIL

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



HEAD DETAIL

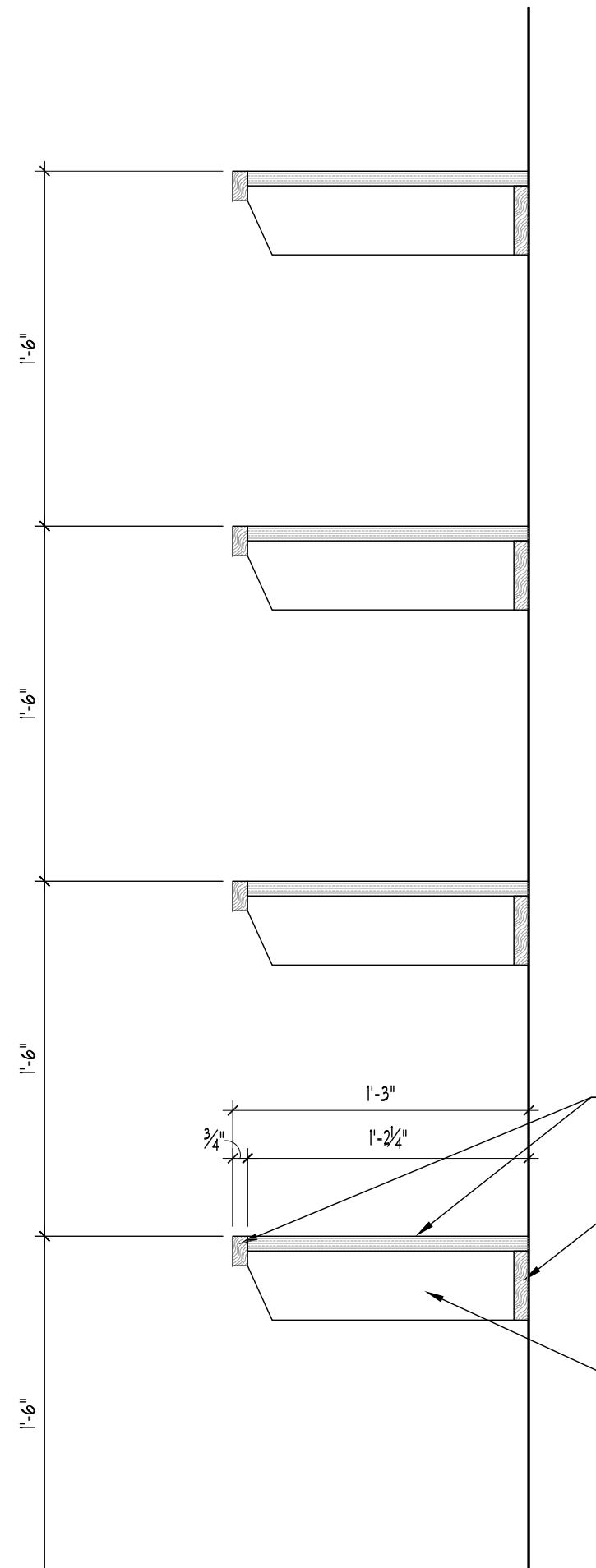
SCALE: 1/4"=1'-0"



1 SHELF AND ROD SECTION

A201 A301

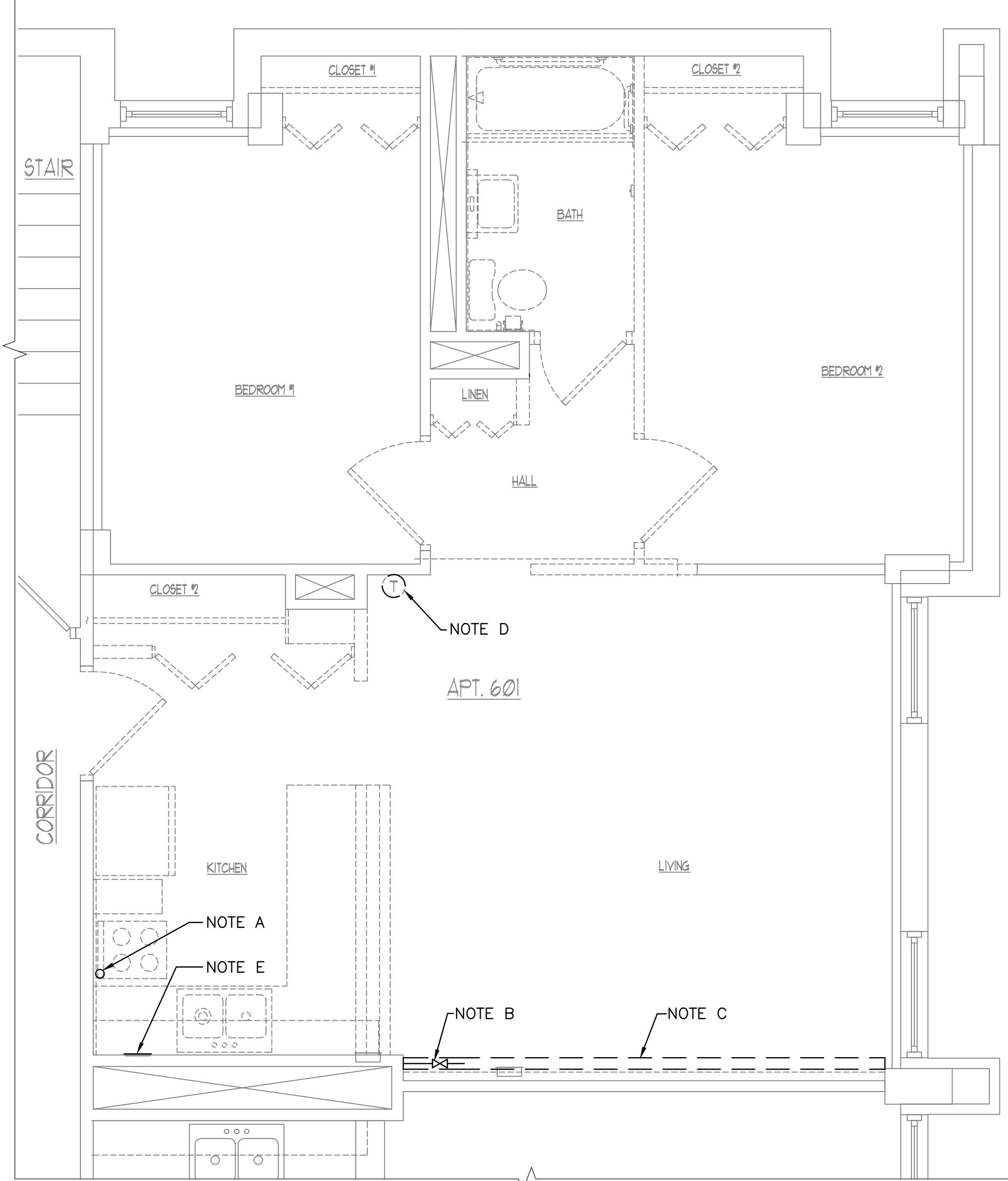
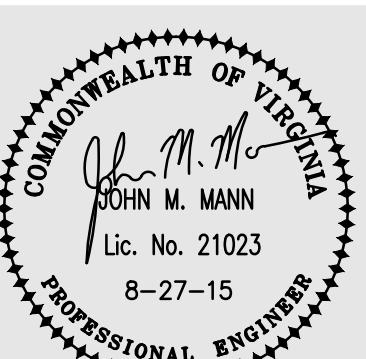
SCALE: 3"-1'-0"



2 SHELVING SECTION

A201 A301

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

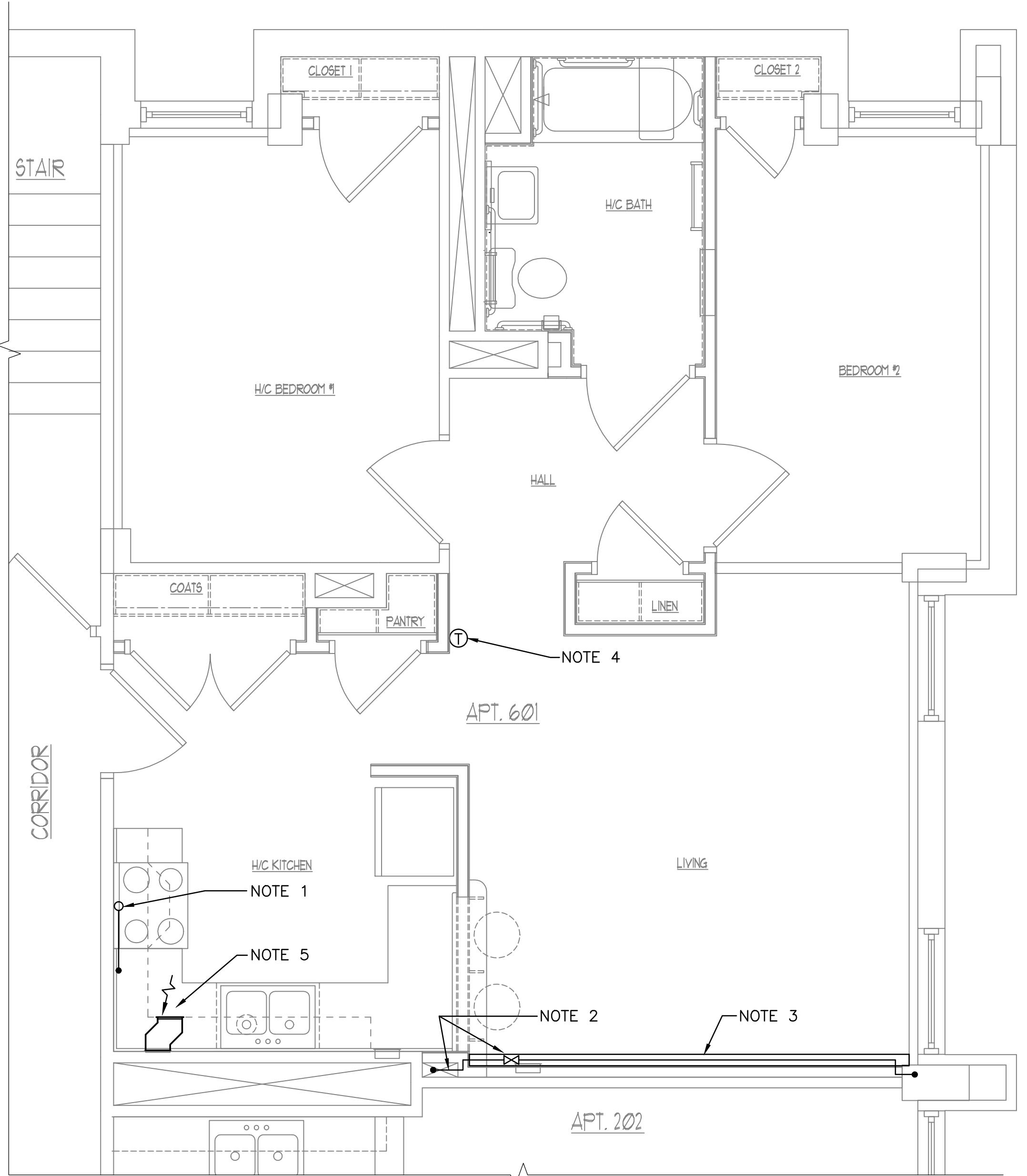


**TWO-BEDROOM UNIT - MECHANICAL - DEMOLITION**

SCALE: 3/8" = 1'-0"

**DEMOLITION NOTES THIS SHEET**

- A. REMOVE GAS PIPE, SHUT-OFF VALVE AND CONNECTOR. PREPARE GAS PIPE FOR RECONNECTION.
- B. REMOVE BALANCING VALVE AND SECTION OF HEATING PIPE AS REQUIRED FOR INSTALLATION OF NEW BASEBOARD FIN-TUBE.
- C. REMOVE BASEBOARD FIN-TUBE AND PREPARE PIPES FOR MODIFICATIONS AND RECONNECTION.
- D. REMOVE THERMOSTAT AND RELOCATE.
- E. REMOVE EXHAUST REGISTER.



**TWO-BEDROOM UNIT - MECHANICAL - NEW WORK**

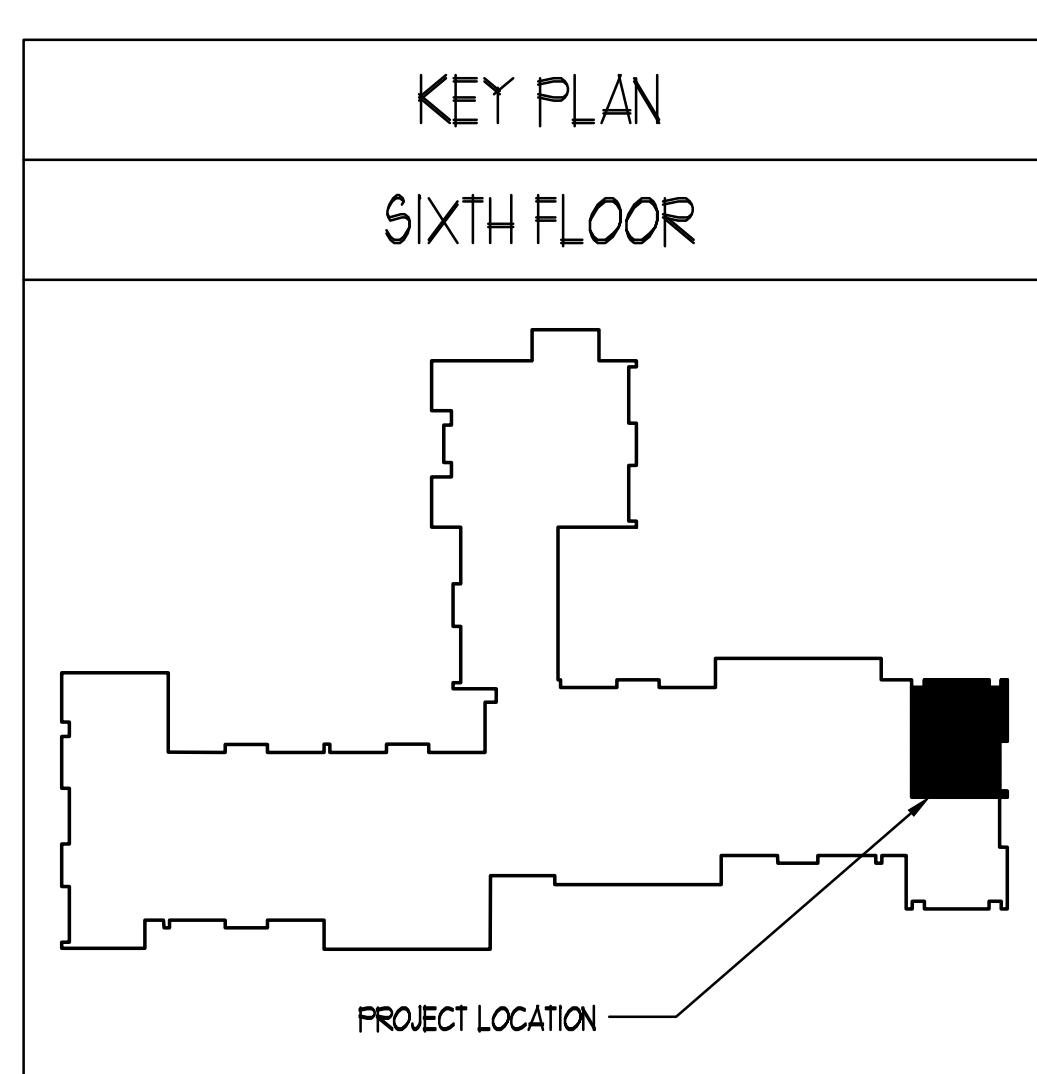
SCALE: 3/8" = 1'-0"

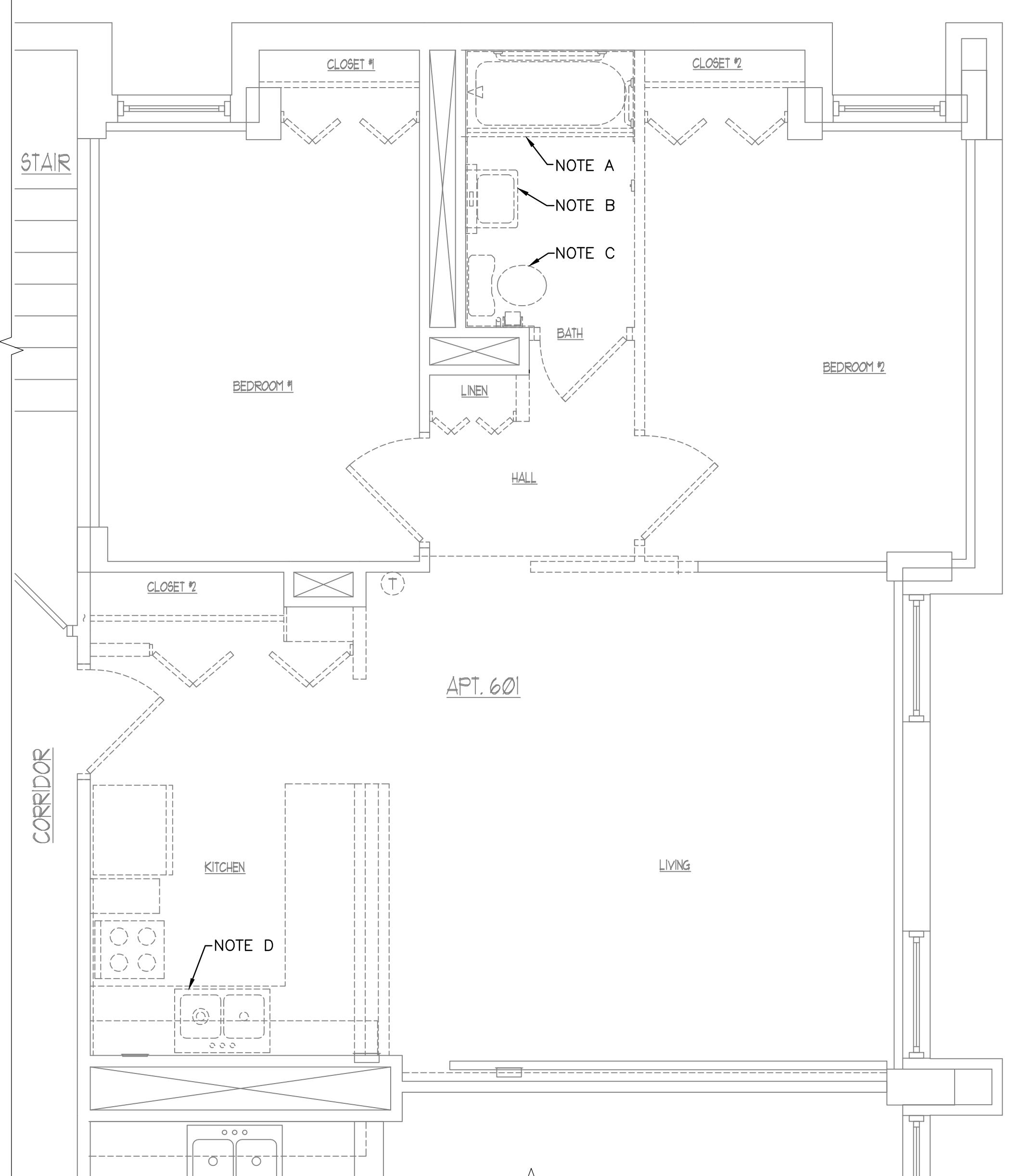
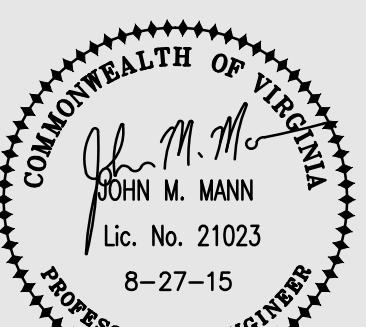
**NEW WORK NOTES THIS SHEET**

1. EXTEND GAS PIPE UP AND TERMINATE WITH SHUT-OFF VALVE. COORDINATE WITH RANGE INSTALLATION REQUIREMENTS AND PROVIDE FLEXIBLE GAS APPLIANCE CONNECTOR FROM SHUT-OFF VALVE TO RANGE.
2. EXTEND HEATING PIPE IN NEW WALL. PROVIDE NEW BALANCING VALVE IN BASEBOARD IN ACCESSIBLE LOCATION.
3. PROVIDE NEW BASEBOARD FIN-TUBE TO EXTEND FROM END OF NEW WALL TO THE CORNER. RECONNECT PIPING AT CORNER TO EXISTING.
4. REINSTALL THERMOSTAT AT MAXIMUM MOUNTING HEIGHT OF 48" TO OPERABLE TEMPERATURE SETTING LEVER. MODIFY AND EXTEND WIRING AS REQUIRED.
5. CONNECT TO AND EXTEND EXHAUST DUCT AND INSTALL 12x5 EXHAUST REGISTER.

**KEY PLAN**

**SIXTH FLOOR**



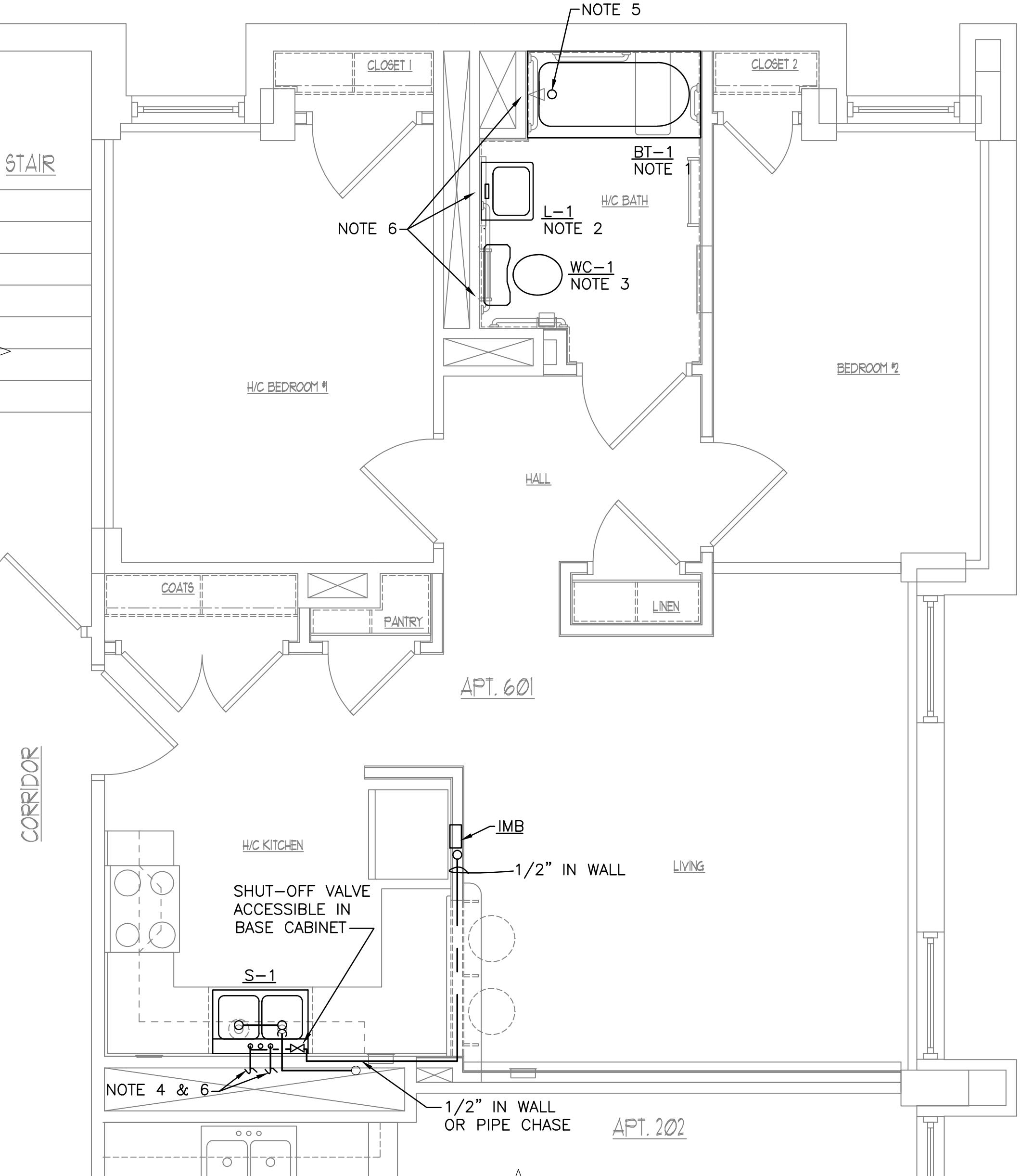


**TWO-BEDROOM UNIT - PLUMBING - DEMOLITION**

SCALE: 3/8" = 1'-0"

#### DEMOLITION NOTES THIS SHEET

- REMOVE BATHTUB, FAUCET TRANSFER VALVE AND SUPPLY FITTINGS. REMOVE STOPS, P-TRAP, AND WASTE FITTINGS.
- REMOVE LAVATORY, FAUCET WALL MOUNTED CARRIER RISERS AND STOPS.
- REMOVE WATER CLOSET WATER RISER AND STOP. REMOVE WASTE PIPING AND PORTION OF CHASE WALL TO ALLOW PIPE MODIFICATIONS FOR NEW WATER CLOSET LOCATION.
- REMOVE SINK WATER SUPPLY STOPS AND RISERS, WASTE PIPING AND P-TRAP. MODIFY WASTE AND SUPPLY PIPING IN WALL AS REQUIRED FOR CONNECTION OF NEW SINK IN NEW LOCATION.



**TWO-BEDROOM UNIT - PLUMBING - NEW WORK**

SCALE: 3/8" = 1'-0"

#### NEW WORK NOTES THIS SHEET

- MODIFY SUPPLY AND WASTE PIPING AS REQUIRED FOR COMPLETE INSTALLATION OF NEW TUB UNIT AND SHOWER FITTINGS.
- PROVIDE NEW SUPPLY STOPS AND RISERS TO NEW LAVATORY. PROVIDE NEW WASTE FITTINGS AND P-TRAP AND CONNECT TO EXISTING WASTE PIPING AT FACE OF WALL.
- PROVIDE NEW SUPPLY STOP AND RISER TO NEW WATER CLOSET. MODIFY WASTE PIPING IN CHASE AS REQUIRED TO RECONNECT TO EXISTING 3" WASTE AND 2" VENT.
- MODIFY SUPPLY AND WASTE PIPING IN WALL AS REQUIRED AND PROVIDE NEW STOPS, WASTE FITTINGS AND P-TRAP TO SINK IN NEW LOCATION.
- PRIOR TO ORDERING EQUIPMENT, CONFIRM EXISTING CONDITIONS FOR TUB DRAIN AND P-TRAP. PROVIDE MODIFICATIONS AS REQUIRED FOR NEW TUB INSTALLATION.
- PRIOR TO CONNECTING TO OR MODIFYING EXISTING WATER PIPES, CONFIRM WHICH PIPES ARE COLD WATER AND WHICH ARE HOT WATER.

PLUMBING FIXTURE SCHEDULE										
MARK	DESCRIPTION	Fixture Waste	Vent	C.W.	H.W.	Manufacturer (or approved equal)	Model	Catalog No.	Remarks	MTC HGT
WC-1	WATER CLOSET - ACCESSIBLE	3"	2"	1/2"		AMERICAN STANDARD	YORKVILLE	2878.016 (TRIP LEVER ON RIGHT)	BACK-OUTLET, PRESSURE ASSISTED, ELONGATED FRONT, 1.6 GPF, CLOSED FRONT SOLID PLASTIC SEAT WITH COVER, CHURCH MODEL 380TCA	16-1/2" TO RIM
L-1	LAVATORY - ACCESSIBLE	1-1/2"	1-1/2"	1/2"	1/2"	AMERICAN STANDARD	WHEELCHAIR USERS LAVATORY	9141.011	PROVIDE MOEN FAUCET, MODEL 84503, TRUEBRO MODEL #102E-Z WASTE AND WATER PIPE INSULATION.	34" TO RIM
BT-1	BATHTUB - ACCESSIBLE	2"	1-1/4"	1/2"	1/2"	AMERICAN STANDARD	NEW SOLAR BATH	---	60X30X16-1/2(NOTE 2), ENAMELED STEEL. PROVIDE SINGLE LEVER, ANTI-SCALD, PRESSURE BALANCING MIXING VALVE, MOEN CHATEAU POSI-TEMP, MODEL L2363, WITH 1/4 TURN INTEGRAL STOPS, TUB SPOUT WITH SHOWER DIVERTER LIFT KNOB, 2.5 GPM FLOW AND NO FIXED HEAD UNIT WITH SHOWER, HAND HELD SHOWER WITH 30" SLIDE BAR AND 60" MINIMUM HOSE. LIFT AND TWIST WASTE STOPPER, P-TRAP AND OVERFLOW FITTING.	---
S-1	KITCHEN SINK-DOUBLE BOWL - ACCESSIBLE	1-1/2"	1-1/2"	1/2"	1/2"	ELKAY	CELEBRITY	GCR3321 (5-3/8" DEEP BOWL)	DRAINS SHALL BE LOCATED NEAR REAR OF SINK BOWLS. PROVIDE ELKAY FAUCET LK3001, TRUEBRO #102E-Z WASTE AND WATER PIPE INSULATION. BASKET STRAINER, ANGLE SUPPLIES AND STOPS.	COUNTER TOP MOUNTED
IMB	ICE MAKER BOX	---	---	1/2"	---	WATER-TITE	---	9700	PROVIDE WITH SUPPLY VALVE AND FLANGED BOX FOR DRYWALL INSTALLATION.	42"

**FIXTURE SCHEDULE NOTES:**

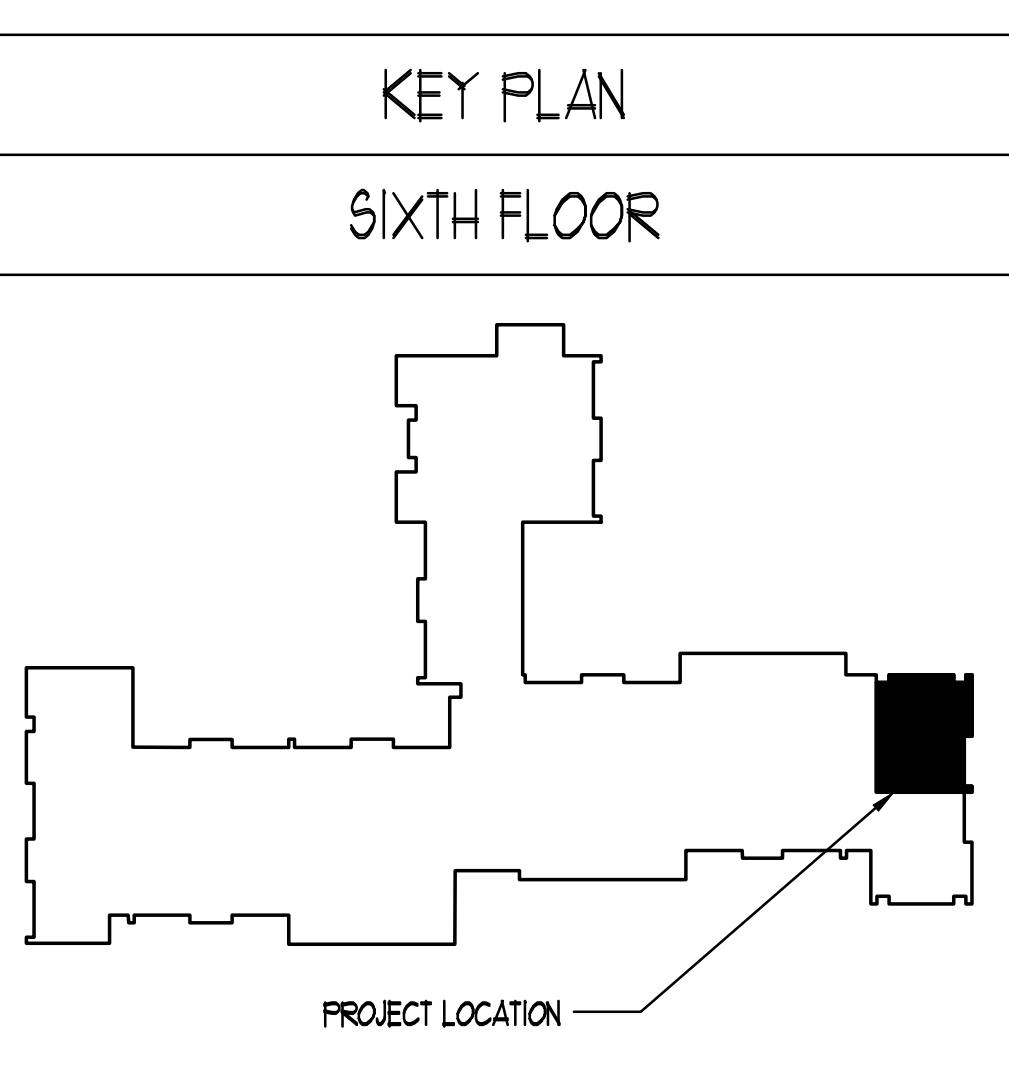
- INSTALL NEW PLUMBING FIXTURES WITH NEW STOPS, SUPPLIES, ESCUTCHEONS, CHROME TRIM AS REQUIRED FOR A COMPLETE INSTALLATION. MODIFY EXISTING SUPPLY AND WASTE PIPING AS REQUIRED WHERE NEW FIXTURES ARE INSTALLED.
- TUB HEIGHT AND HINGED SEAT THICKNESS SHALL RESULT IN A SEAT HEIGHT BETWEEN 17" AND 19".

#### PLUMBING OUTLINE SPECIFICATIONS

- ALL WORK SHALL COMPLY WITH THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE.
- PROVIDE COMPLETE SUBMITTAL INFORMATION FOR EQUIPMENT AND DEVICES.
- RECORD ALL CHANGES IN THE WORK ON THE PROJECT RECORD DRAWINGS.
- PROVIDE DETAILED OPERATION AND MAINTENANCE MANUALS FOR ALL EQUIPMENT.
- PLUMBING EQUIPMENT, MATERIALS AND LABOR SHALL INCLUDE A ONE YEAR WARRANTY.
- DRAWINGS INDICATE GENERAL LAYOUT OF PIPING AND EQUIPMENT. COORDINATE INSTALLATION WITH OTHER TRADES AND PROVIDE ADDITIONAL FITTINGS, OFFSETS AND TRANSITIONS AS REQUIRED. SEE ARCHITECTURAL DRAWINGS FOR CRITICAL INSTALLATION DIMENSIONS.
- FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID, FABRICATION OR ORDERING OF EQUIPMENT. VERIFY SITE CONDITIONS INCLUDING LOCATION FOR CONNECTIONS OF WATER AND SANITARY WASTE PIPING.
- MOST EXISTING PIPING IS NOT SHOWN ON THESE DRAWINGS. WHERE EXISTING PIPING IS SHOWN, IT IS FOR INFORMATION PURPOSES AND IS BASED ON EXISTING DRAWINGS. VERIFY EXISTING CONSTRUCTION IN THE FIELD PRIOR TO BIDDING AND CONSTRUCTION. IF EXISTING PIPES ARE SMALLER THAN INDICATED SIZE, NOTIFY THE A/E IMMEDIATELY.
- IN ADDITION TO DEMOLITION WORK INDICATED, PROVIDE MISCELLANEOUS SELECTIVE DEMOLITION OF EXISTING CONSTRUCTION AS REQUIRED FOR PROPER INSTALLATION OF THE PROPOSED CONSTRUCTION. REMOVE ALL COMPONENTS WHICH ARE NOT REQUIRED FOR THE PROPOSED CONSTRUCTION INCLUDING HANGERS, ANCHORS, MOUNTING BRACKETS, AND OTHER MISCELLANEOUS COMPONENTS. THESE DRAWINGS DO NOT PURPORT TO SHOW ALL MISCELLANEOUS DEMOLITION.
- COORDINATE ALL WORK WITH FIRESTOPPING ASSEMBLIES.
- PROVIDE ALL MISCELLANEOUS COMPONENTS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION, WHETHER OR NOT THESE COMPONENTS ARE SPECIFIED HEREIN.
- MOUNT ALL EQUIPMENT PLUMB AND LEVEL WITH SUBSTANTIAL FASTENERS SUITABLE FOR THE LOAD. ALL COMPONENTS SHALL BE RIDIGLY ANCHORED FOR LONG LIFE UNDER HARD USE.
- THE DESIGN SHOWN IS BASED ON THE MANUFACTURERS AND MODELS SCHEDULED AND IS INTENDED ONLY TO SHOW THE GENERAL SIZE, CONFIGURATION, LOCATION, CONNECTIONS AND/OR SUPPORT FOR EQUIPMENT OR SYSTEMS SPECIFIED WITH RELATION TO THE OTHER BUILDING SYSTEMS.
- INSTALL PIPING AND PIPE HANGERS PER ASME B31.9. SUPPORT PIPING AND SPACE HANGERS IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE.
- WATER PIPING: COPPER, TYPE L, ASTM B 88M, SOLDER FITTINGS. BALL VALVES WITH SOLDERED OR THREADED ENDS. FLUSH CLEAN AND DISINFECT.
- SANITARY WASTE AND VENT PIPING - MATCH EXISTING AS SPECIFIED BELOW: SCHEDULE 40 PVC, DWV, ASTM D2665. FITTINGS SHALL BE PVC WITH SOLVENT WELD JOINTS WITH ASTM D 2564 SOLVENT CEMENT. CAST IRON PIPE, ASTM A74, SERVICE WEIGHT WITH CAST IRON FITTINGS AND JOINT SEALS, ASTM C564, NEOPRENE GASKETS, LEAD OR OAKUM. CAST IRON PIPE, CISPI 301, HUBLESS, SERVICE WEIGHT, CAST IRON FITTINGS AND JOINTS, CISPI 310, NEOPRENE GASKETS AND STAINLESS STEEL CLAMP-AND-SHIELD ASSEMBLIES.
- INSULATE ALL NEW AND EXISTING PIPING WITH FIBERGLASS PIPE WRAP WITH ALL SERVICE VAPOR BARRIER JACKET. FLAME SPREAD/SMOKE DEVELOPED INDEX OF 25/50 MAXIMUM, K-VALUE OF 0.24. 1" THICKNESS FOR HOT WATER AND HOT WATER RECIRCULATING, AND 1/2" FOR COLD WATER. SEAL COLD WATER PIPE INSULATION WITH VAPOR BARRIER MASTIC. INSULATION SHALL BE CONTINUOUS AT HANGERS.
- PLUMBING FIXTURES SHALL BE WHITE VITREOUS CHINA UNLESS INDICATED OTHERWISE AND SHALL BE IN COMPLIANCE WITH ASME A112.19.2 AND MEET ADA REQUIREMENTS WHERE REQUIRED. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND CAULK TO WALL AND FLOOR SURFACES WITH COLOR TO MATCH FIXTURE.
- PROVIDE CHROME ESCUTCHEONS AT PIPE PENETRATIONS OF WALLS AND FLOORS. EXPOSED TRIMS AND FIXTURE SUPPLY PIPES TO BE POLISHED CHROMIUM PLATED FINISH.
- PRESSURE TEST, LEAK TEST WATER AND SANITARY PIPES PER INTERNATIONAL PLUMBING CODE. DISINFECT WATER PIPING PER INTERNATIONAL PLUMBING CODE.

#### SPRINKLER SYSTEM NOTES

- MODIFY EXISTING WET PIPE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13. COORDINATE LOCATION OF PIPES AND HEADS WITH THE ARCHITECTURAL DRAWINGS, EXISTING CONDITIONS AND OTHER TRADES. RELOCATE EXISTING HEADS AND PROVIDE NEW HEADS AS REQUIRED FOR COMPLETE COVERAGE OF THE NEW FLOOR PLAN. PROVIDE PIPING, FITTINGS, OFFSETS AND TRANSITIONS AS REQUIRED. PROVIDE PLASTIC PIPE COVER TO MATCH EXISTING.
- SUBMIT SHOP DRAWINGS AND HYDRAULIC CALCULATIONS TO THE BUILDING OFFICIAL AND A/E. INCLUDE PIPE SCHEDULES, DETAILED PIPE LAYOUT AND PRODUCT DATA. SUBMITTAL SHALL BE DESIGNED AND SEALED BY A CERTIFIED NICET LEVEL IV DESIGNER.



## **LIGHTING FIXTURE SCHEDULE**

TYPE	MANUFACTURER	CATALOG NUMBER	VOLTS	VOLT-AMPS	FIXT EFF	LAMPS		DESCRIPTION	REMARKS
						QTY	TYPE		
A	LITHONIA	11890	120	35		2	PHILIPS CAT# F17T8/841/ALTO	2' WALL MOUNTED LINEAR FLOURESCENT VANITY FIXTURE WITH DECOATIVE ACRYLIC DIFFUSER	
B	LITHONIA	2UC-1-17-120-GEB10IS	120	18		1	PHILIPS CAT# F17T8/841/ALTO	2' UNDER CABINET LIGHT WITH ACRYLIC LENS	
C	CEILING LIGHT BY OWNER			180				CEILING LIGHT TO BE SELECTED BY OWNER AND PROVIDED AND INSTALLED BY CONTRACTOR	CONTRACTOR SHALL PROVIDE SCREW-IN LED LAMPS EQUIVILANT TO SYLVANIA MODEL# 79161 8.5W (60W EQUIVILANT) BULB

- 1 FIXTURES ARE SPECIFIED WITH PHILIPS LAMPS TO IDENTIFY THE TYPE, TEMPERATURE, COLOR RENDERING, LAMP LIFE AND INITIAL LUMENS REQUIRE. EQUIVALENT LAMPS MANUFACTURED BY GE OR OSRAM WILL BE ACCEPTABLE.
  - 2 VERIFY LAMPS ARE COMPATIBLE WITH FIXTURES PRIOR TO ORDERING. WHERE LAMP AND FIXTURE COMBINATION ARE INCOMPATIBLE, PROVIDE A LAMP WITH SIMILAR CHARACTERISTICS TO THE LAMP SPECIFIED THAT IS COMPATIBLE WITH THE FIXTURE SPECIFIED.
  - 3 WHERE FIXTURE ARE SHOWN WITH MULTIPLE LEVELS OF SWITCHING, 2 BALLAST SHALL BE PROVIDED FOR EACH FIXTURE OR TWO FIXTURES MAY BE TANDEM WIRED TO ACHIEVE THE MULTIPLE LEVELS OF SWITCHING FOR EACH FIXTURE.
  - 4 CONTRACTOR SHALL VERIFY THAT FIXTURES SPECIFIED ARE SUITABLE FOR CEILING TYPE AND REVISE IF NECESSARY PRIOR TO ORDERING.
  - 5 CONTRACTOR SHALL USE 4100K COLOR CHARACTERISTICS FOR FLUORESCENT FIXTURES.
  - 6 FIXTURE MANUFACTURERS AND TYPES SHOWN ARE THE BASIS OF DESIGN. EQUIVILANT FIXTURES WILL BE ACCEPTABLE, PENDING APPROVAL

## **UNIT 601 SCHEDULE**

PANELBOARD CHARACTERISTICS:		PHASE TO PHASE VOLTS:		208							
VOLTS: 120/208		PHASE TO NEUT. VOLTS:		120							
PHASES: 1		MAIN CIRCUIT BREAKER: 70 AMP									
WIRES: 3		MINIMUM SHORT CIRCUIT RATING: 10,000 RMS SYM AMPS									
PANELS SHALL BE SERIES RATED WITH UPSTREAM DEVICE											
SOLID NEUTRAL, GROUND BAR											
POLE NO.	DESCRIPTION	LOAD TYPE	CONN. KVA	CONN. AMPS		BREAKER		NO. & WIRE SIZE			COND. SIZE
				A	B	P	AT	PHASE	NEUT.	GND	
1	LTG BATH, KITCHEN,LIVING	L	0.2	1.7		1	20	1#12	#12	#12	
3	REC KITCHEN	L	0.18		1.5	1	20	1#12	#12	#12	
5	KITCHEN SMALL APPLIANCE	R	1.5	12.5		1	20	1#12	#12	#12	
7	KITCHEN SMALL APPLIANCE	R	1.5		12.5	1	20	1#12	#12	#12	
9	REFRIGERATOR	R	0.18	1.5		1	20	1#12	#12	#12	
11	RECS LIVING AREA (AFCI BREAKER)	L	0.9		7.5	1	20	1#12	#12	#12	
13	REC FOR WINDOW UNIT (AFCI BREAKER)	M	0.5	4.2		1	20	1#12	#12	#12	
15	RECS LIVING AREA (AFCI BREAKER)	L	0.9		7.5	1	20	1#12	#12	#12	
17	REC BATHROOM	L	0.18	1.5		1	20	1#12	#12	#12	
19	REC KITCHEN	R	0.36		3.0	1	20	1#12	#12	#12	
21	RANGE HOOD	R	1	8.3		1	20	1#12	#12	#12	
23	REC KITCHEN	R	0.18		1.5	1	20	1#12	#12	#12	
25	REC RANGE	R	0.18	1.5		1	20	1#12	#12	#12	
27	SPACE				0.0						
29	SPACE				0.0						
2	REC BEDROOM #1 (AFCI BREAKER)	R	0.72		6.0	1	20	1#12	#12	#12	
4	REC BEDROOM #2 (AFCI BREAKER)	R	0.54	4.5		1	20	1#12	#12	#12	
6	REC BEDROOM #2 (AFCI BREAKER)	R	0.36		3.0	1	20	1#12	#12	#12	
8	SPARE				0.0		1	20			
10	SPARE					0.0	1	20			
12	SPARE				0.0		1	20			
14	SPARE					0.0	1	20			
16	SPACE				0.0						
18	SPACE					0.0					
20	SPACE				0.0						
22	SPACE					0.0					
24	SPACE				0.0						
26	SPACE					0.0					
28	SPACE				0.0						
30	SPACE					0.0					
				35.7	42.5						

SIZING CALCULATIONS			
CONNECTED LOADS		DEMAND FACTOR	
RECEPTACLE	6.52	FIRST 10 KVA @ 100%, REMAINDER@50%	6.52
LIGHTING	2.36	100%	2.36
MECHANICAL	0.50	100%	0.50
EQUIPMENT	0.0	100%	0.00
KITCHEN	0.0	USE TABLE 220.56	
PROCESS	0.0	100%	0.00
TOTAL KVA CONNECTED	9.4	TOTAL KVA DEMAND	9.38

FEEDER DEMAND AMPS	45.1	AMPS
FEEDER SIZE AT 125%	56.4	AMPS
CALCULATIONS OF LOADS BASED ON ARTICLE 220-82		
SQUARE FOOTAGE OF APARTMENT (623 SQFT)		
X 3VA FOR GENERAL LIGHTING & RECEPTACLES	1.8	KVA
KITCHEN AND LAUNDRY SMALL APPLIANCE LOADS	3	KVA
RANGE	N/A	
DRYER	N/A	
TOTALS	4.8	KVA
		FIR
MECHANICAL LOAD	N/A	
TOTAL DEMAND KVA	4.8	KVA
FEEDER DEMAND AMPS	23.077	AMPS

# GENERAL REQUIREMENTS

- THE CONTRACTORS HAVE BEEN SELECTED FOR THIS PROJECT BASED ON EXTENSIVE EXPERIENCE IN THIS TYPE OF CONSTRUCTION, APPLICABLE BUILDING CODES, AND IN WORKING WITH THE AUTHORITY HAVING JURISDICTION. SINCE THE CONTRACTORS SPECIALIZE IN THIS CONSTRUCTION TYPE, THE INTENT OF THE ELECTRICAL SYSTEMS ON THE DRAWINGS IS TO INDICATE DIAGRAMMATICALLY THE GENERAL LOCATION OF THE PANELS, SWITCHES, FIXTURES, ENCLOSURES, RACEWAY, AND EQUIPMENT AND NOT TO SHOW ALL RACEWAYS, JUNCTION BOXES, CONDUIT FITTINGS, CONNECTIONS, NIPPLES, ETC., REQUIRED FOR A COMPLETE AND OPERATING SYSTEM. WHILE NOT COMPLETE IN EVERY ASPECT, THE DRAWINGS ARE COMPLETE ENOUGH FOR AN EXPERT CONTRACTOR TO ACCURATELY PRICE AND CONSTRUCT. WHILE THE DRAWINGS ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE, IF IT IS FOUND NECESSARY TO CHANGE THE LOCATION OF SOME EQUIPMENT TO ACCOMMODATE THE CONDITIONS OF INSTALLATION, SUCH CHANGES SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER AND AS DIRECTED BY THE ARCHITECT. ANY DETAIL WHICH IS OMITTED AND WHICH IS NECESSARY FOR THE PROPER OPERATION OF ANY SYSTEM INCLUDED UNDER THIS CONTRACT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR WITHOUT EXTRA COST TO THE OWNER.

THE CONTRACTORS PRICING THE ELECTRICAL PORTION OF THE WORK ARE HEREWITH ESPECIALLY CAUTIONED THAT THE WORK INCLUDES A COMPLETE SYSTEM AND THAT THE CONTRACTOR WILL BE REQUIRED TO FURNISH AND INSTALL ALL EQUIPMENT, MATERIAL, LABOR, PLANT AND OTHER ITEMS REQUIRED TO DELIVER THE OWNER A COMPLETE AND OPERABLE SYSTEM IN ALL RESPECTS. CONTRACTOR SHALL BE REQUIRED TO COORDINATE WITH EQUIPMENT MANUFACTURERS IN ORDER TO DETERMINE EXACT INSTALLATION REQUIREMENTS FOR ALL EQUIPMENT AND SYSTEMS AND SHALL INCLUDE IN THEIR BID ALL MATERIALS, LABOR, AND MANUFACTURER'S FIELD SERVICES AS MAY BE REQUIRED AT NO ADDITIONAL COST TO THE OWNER.

WHEN THE DRAWINGS DO NOT COVER PARTICULAR ITEMS, THE CONTRACTOR SHALL ASK THE ENGINEER FOR CLARIFICATION OF THE METHOD AND INTENT OF PERFORMING THIS WORK PRIOR TO FINALIZING HIS PRICE AND COMMENCING CONSTRUCTION. IN THE ABSENCE OF INQUIRIES, IT WILL BE ASSUMED THAT THE CONTRACTOR HAS INCLUDED IN HIS PRICE A CONTINGENCY FACTOR FOR ALL NECESSARY ITEMS TO PROVIDE A COMPLETE ELECTRICAL SYSTEM IN STRICT COMPLIANCE WITH THE REQUIREMENTS OF THE VUSBC AND NEC.

ELECTRICAL WORK SHALL BE COORDINATED WITH OTHER TRADES INVOLVED IN THE CONSTRUCTION PROJECT. ALL WORK SHALL BE CAREFULLY LAID OUT IN ADVANCE TO COORDINATE ELECTRICAL SYSTEMS WITH ARCHITECTURAL, STRUCTURAL, AND MECHANICAL FEATURES AND SYSTEMS. THE CONTRACTOR SHALL VERIFY AT THE SITE ALL LOCATIONS, AND UTILITY SERVICE CONNECTIONS REQUIRED OR INDICATED. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR, OWNER, AND OTHER INVOLVED CONTRACTORS FOR EQUIPMENT PLACEMENT, CONNECTION REQUIREMENTS, AND ACCESS/MAINTENANCE AREAS TO BE MAINTAINED. CONTRACTOR SHALL VERIFY ALL FIELD MEASUREMENTS, ROUTING, AND TERMINATION LOCATIONS PRIOR TO START OF WORK.

  5. ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN A FIRST CLASS, NEAT, WORKMANLIKE MANNER USING BEST TRADE PRACTICES AND SHALL CONFORM TO ALL APPLICABLE CODES AND RECOGNIZED INDUSTRY STANDARDS. CONFORM TO THE NECA STANDARD OF INSTALLATION. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. ALL ENCLOSURES AND EQUIPMENT SHALL BE INSTALLED PLUMB AND ALL WIRING SHALL BE NEATLY TRAINED AND LACED.
  6. PROVIDE ALL MINOR CUTTING AND PATCHING NECESSARY TO INSTALL ALL RACEWAYS, LUMINAIRES OR EQUIPMENT AS REQUIRED UNDER THIS CONTRACT AND RE-ESTABLISH ALL FINISHES WHERE CUTTING AND PATCHING OCCUR TO THEIR ORIGINAL CONDITION. ALL NEW PENETRATIONS SHALL BE SEALED TO MAINTAIN THE EXISTING FIRE RATINGS. COORDINATE WITH THE GENERAL CONTRACTOR FOR ALL OPENINGS REQUIRED IN WALLS, FLOORS AND ROOFS AS TO SIZE AND LOCATION OF ALL SUCH OPENINGS. ALL CUTTING OF THE STRUCTURE, WHERE UNAVOIDABLE, SHALL BE APPROVED BY THE ARCHITECT AND PERFORMED BY THE GENERAL CONTRACTOR. CONDUIT, RACEWAY, OR WIREWAY PENETRATING WALLS SHALL BE INSTALLED IN SLEEVES AND GROUTED OR FILLED WITH APPROVED SEALER. PENETRATIONS THROUGH FIRE RATED CEILINGS, WALLS OR FLOORS SHALL BE SEALED WITH UL FIRE BARRIER BY 3M COMPANY OR EQUIVALENT. PAINTING SHALL BE REQUIRED ONLY FOR TOUCH-UP OF DAMAGED EQUIPMENT OR DEVICES. CONTRACTOR SHALL PAINT USING PAINTS THAT MEET ARCHITECT'S AND OWNER'S APPROVAL.
  7. CONFORM TO THE REQUIREMENTS OF ANSI/NFPA 70, THE NATIONAL ELECTRICAL CODE (NEC), LATEST EDITION APPROVED, WITH ANY AMENDMENTS, BY THE AHJ (AUTHORITY HAVING JURISDICTION). INSTALLATION SHALL BE IN COMPLIANCE WITH LATEST EDITION OF NEC, AND SHALL MEET REQUIREMENTS OF LOCAL BUILDING OFFICIALS, OWNER, AND CHURCH. CONFORM TO STATE BUILDING CODE.
  8. ALL EQUIPMENT, MATERIALS AND SYSTEMS SHALL BE LISTED AND CLASSIFIED BY UNDERWRITERS LABORATORIES, INC. (UL), AS SUITABLE FOR USE INTENDED. ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE UL APPROVED, SPECIFICATION GRADE, MEETING APPROVALS OF OWNER, ARCHITECT, AND CHURCH PERSONNEL.
  9. PRIOR TO PURCHASE OF EQUIPMENT, CONTRACTOR SHALL SUBMIT TO OWNER AND TO ARCHITECT DETAILED SHOP DRAWINGS AND DATA "CUT", SHEETS ON ALL CIRCUIT BREAKERS, PANELBOARDS, LIGHTING FIXTURES, AND OTHER ELECTRICAL EQUIPMENT. SUBMITTALS SHALL BE CLEARLY IDENTIFIED, BOUND, WITH ALL RELATED ITEMS SUBMITTED TOGETHER AT ONE TIME. DEVIATIONS FROM EQUIPMENT SPECIFIED SHALL BE CLEARLY IDENTIFIED. DATA SHALL INCLUDE AS A MINIMUM ALL RATINGS, DIMENSIONS, CHARACTERISTICS, AND ACCESSORIES. CONTRACTOR SHALL CORRECT ALL DEFICIENCIES INDICATED IN THE SHOP DRAWINGS, AS IDENTIFIED BY THE ARCHITECT/ENGINEER, AT NO ADDITIONAL COST TO THE OWNER. AT SUBSTANTIAL COMPLETION, THE CONTRACTOR SHALL TURN OVER TO OWNER ALL WARRANTIES OF PRODUCTS AND OEM MANUALS RECEIVED WITH EQUIPMENT.

# LECTRICAL NOTES

- CONTAIN ACCESS TO ALL JUNCTION BOXES, PANELS, EQUIPMENT, AND DEVICES; CORD LOCATIONS OF PANELBOARDS AND DEVICES ON PROJECT RECORD DRAWINGS FOR THE OWNER'S USE. COORDINATE ACCESS PANEL SIZE, TYPE, AND LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.

CONTRACTOR SHALL GUARANTEE MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. CONTRACTOR SHALL REPLACE ANY DEFECTS WITHIN THAT PERIOD WITHOUT ADDED COST TO THE OWNER.

GRAVED PLASTIC IDENTIFICATION PLATES SHALL BE INSTALLED ON EACH MOTOR, PANELBOARD, STARTER, OR OTHER DEVICE ASSOCIATED WITH THIS INSTALLATION. CONDUCTORS SHALL BE LABELED WITH PREPRINTED MARKERS AT EACH PANELBOARDS, JUNCTION BOX, SPLICE AND LOAD CONNECTION. ALL IDENTIFICATION SHALL CORRELATE WITH INSTALLED PANELBOARD CIRCUITS.

PROVIDE A THERMAL TRANSFER ADHESIVE LABEL (BLACK LETTERING ON WHITE BACKGROUND) AT EACH RECEPTACLE INDICATING PANEL AND CIRCUIT NUMBER.

ELECTRICAL EQUIPMENT, CONDUIT, ETC, SHALL BE FASTENED TO STRUCTURAL STEEL, CONCRETE OR MASONRY, BUT NOT TO PIPING. WHERE SUSPENDED FROM STEEL JOIST, THE CONNECTION SHALL BE MADE AT THE TOP CHORD OF THE JOIST. MISCELLANEOUS HANGERS, SUPPORTS, CHANNELS, RODS, ETC., NECESSARY FOR THE INSTALLATION OF WORK SHALL BE PART OF THE WORK.

WIRING SHALL BE SOFT-DRAWN ANNEALED COPPER, EXCEPT WHERE ALUMINUM IS SPECIFICALLY INDICATED AS AN ALTERNATE TO COPPER, INSULATION SHALL BE TYPE THHN/THWW. MINIMUM WIRE SIZE FOR ALL BRANCH CIRCUITS SHALL BE #12 AWG. MINIMUM WIRE SIZE FOR LOW VOLTAGE CONTROL CIRCUITS SHALL BE #16 AWG. POWER DISTRIBUTION CIRCUITS #10 AND SMALLER SHALL USE SOLID WIRE. WIRING LARGER #10 AWG SHALL BE STRANDED. CONTROL CIRCUITS SHALL USE STRANDED WIRE. DERATE WIRE WHEN MORE THAN THREE CONDUCTORS ARE IN A SINGLE CONDUIT IN ACCORDANCE WITH NEC REQUIREMENTS. PROVIDE SOLDERLESS COMPRESSION TYPE CONNECTORS FOR SPLICES AND TERMINATIONS, SIZED FOR THE INVOLVED CONDUCTORS. ROUTE CONDUCTORS OF 208 VAC SYSTEMS AND LOW VOLTAGE WIRING IN SEPARATE CONDUITS.

EXTERIOR BRANCH CIRCUIT WIRING SHALL BE RUN IN CONDUIT CONCEALED IN WALLS. FOR EXPOSED LOCATIONS USE INSULATED CONDUCTORS IN METALLIC CONDUIT. RIGID STEEL SHALL BE UTILIZED WHERE SUBJECT TO PHYSICAL DAMAGE AND IN EXTERIOR APPLICATION. PVC MAY BE USED WHERE INSTALLED UNDER GROUND OR UNDER FLOOR SLAB.

  8. PROVIDE DUPLEX RECEPTACLES RATED 20 AMPS, 125 VAC, OR QUADPLEX RECEPTACLES OF THE SAME RATING WHERE INDICATED. PROVIDE BRYANT, LEVITON, OR HUBBELL SPECIFICATION GRADE DEVICES OR EQUIVALENT AS APPROVED BY THE ARCHITECT AND OWNER.
  9. SWITCHES SHALL BE RATED 120/277 VOLTS, 20 AMPS. TYPE SHALL BE AS INDICATED
  10. MOUNTING HEIGHT OF WALL-MOUNTED RECEPTACLES AND TELEPHONE OUTLETS SHALL BE 18, AFF, UNLESS NOTED OTHERWISE. SWITCHES AND PUSH BUTTONS SHALL BE MOUNTED 40", AFF. COORDINATE LOCATIONS AND MOUNTING HEIGHTS OF EACH DEVICE WITH ARCHITECT AND OWNER. HEIGHTS ARE TO THE CENTER OF THE DEVICE. ADJUST HEIGHTS AS REQUIRED FOR FLOOD PLAN.
  11. ENCLOSURES FOR EQUIPMENT LOCATED INDOORS SHALL BE RATED NEMA 1. EXTERIOR EQUIPMENT SHALL BE RATED NEMA 3R.
  12. CONTRACTOR SHALL MAINTAIN CLEARANCE AND ACCESSIBILITY TO ALL DISCONNECT PER THE NATIONAL ELECTRICAL CODE. UNLESS NOTED OTHERWISE.
  13. SAFETY SWITCHES SHALL BE HEAVY DUTY (TYPE HD) WITH FUSING AS INDICATED. SWITCHES SHALL BE PRODUCTS OF SQUARE D, GE, EATON OR SIEMANS.
  14. PANEL BOARDS SHALL BE RATED FOR THE FAULT CURRENT INDICATED. SERIES RATING MAY BE UTILIZED. BREAKER SHALL BE BOLT-IN TYPE. LOAD CENTERS ARE NOT ACCEPTABLE.

EXTERIOR BRANCH CIRCUIT WIRING SHALL BE RUN IN CONDUIT CONCEALED IN  
WALLS. FOR EXPOSED LOCATIONS USE INSULATED CONDUCTORS IN METALLIC  
CONDUIT. RIGID STEEL SHALL BE UTILIZED WHERE SUBJECT TO PHYSICAL  
DAMAGE AND IN EXTERIOR APPLICATION. PVC MAY BE USED WHERE INSTALLED  
UNDER GROUND OR UNDER FLOOR SLAB.

## ELECTRIC LEGEND

E	SUSPENDED FIXTURE. UPPERCASE LETTER INDICATES TYPE. LOWERCASE LETTER INDICATES SWITCHING.
G	2' WALL MOUNTED FLUORESCENT. UPPERCASE LETTER INDICATES TYPE. LOWERCASE LETTER INDICATES SWITCHING.
C	2' UNDER CABINET FLUORESCENT. UPPERCASE LETTER INDICATES TYPE. LOWERCASE LETTER INDICATES SWITCHING.
S	SWITCH, SINGLE POLE, MOUNT 40" AFF, UON.
GFI	GROUND FAULT INTERRUPTER RECEPTACLE, NEMA 5-20R, UON. 18" AFF, UON. PROVIDE A DEVICE WITH INTEGRAL GROUND FAULT INTERRUPTER.
Φ	SINGLE RECEPTACLE
E	EQUIPMENT CONNECTION
M	MOTOR CONNECTION
J	JUNCTION BOX
20/208V	RECESSED PANELBOARDS
CATV	TELEVISION OUTLET. MOUNT 18" AFF, UON.
(S)	WALL MOUNTED SMOKE DETECTOR OR SENSOR
(CO)	WALL MOUNTED CARBON MONOXIDE DETECTOR OR SENSOR
F	FIRE ALARM HORN/STROBE.
→	HOMERUN
→	PARTIAL HOMERUN, INDICATES MORE THAN 1 CIRCUIT OFF BRANCH BREAKER

## ABBREVIATIONS

ABBREVIATIONS	
AC	ABOVE COUNTER
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
ATS	AUTOMATIC TRANSFER SWITCH
BKR	BREAKER
C	CONDUIT
CKT(S)	CIRCUIT(S)
OFIC	OWNER FURNISHED, INSTALLED BY CONTRACTOR
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
IG	ISOLATED GROUND
KW	KILOWATT
NIC	NOT IN CONTRACT
PNL	PANEL
UON	UNLESS OTHERWISE NOTED
V	VOLTS
VA	VOLT-AMPERES
VP	VAPOR PROOF
W	WATTS
WP	WEATHER PROOF

RRHA - MELROSE TOWERS  
UNIT 601 - SECTION 504 MODIFICATIONS  
ROANOKE, VIRGINIA

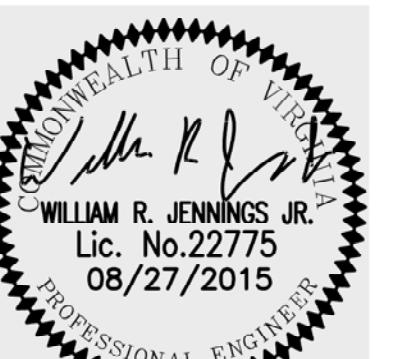
— 6 —

Comm. No.	1514.01
Date	01/31/2015
Design	WRJ
Drawing	JTP/JPL
Check	WRJ
File	1514.01 - E101DWG
Sheet	

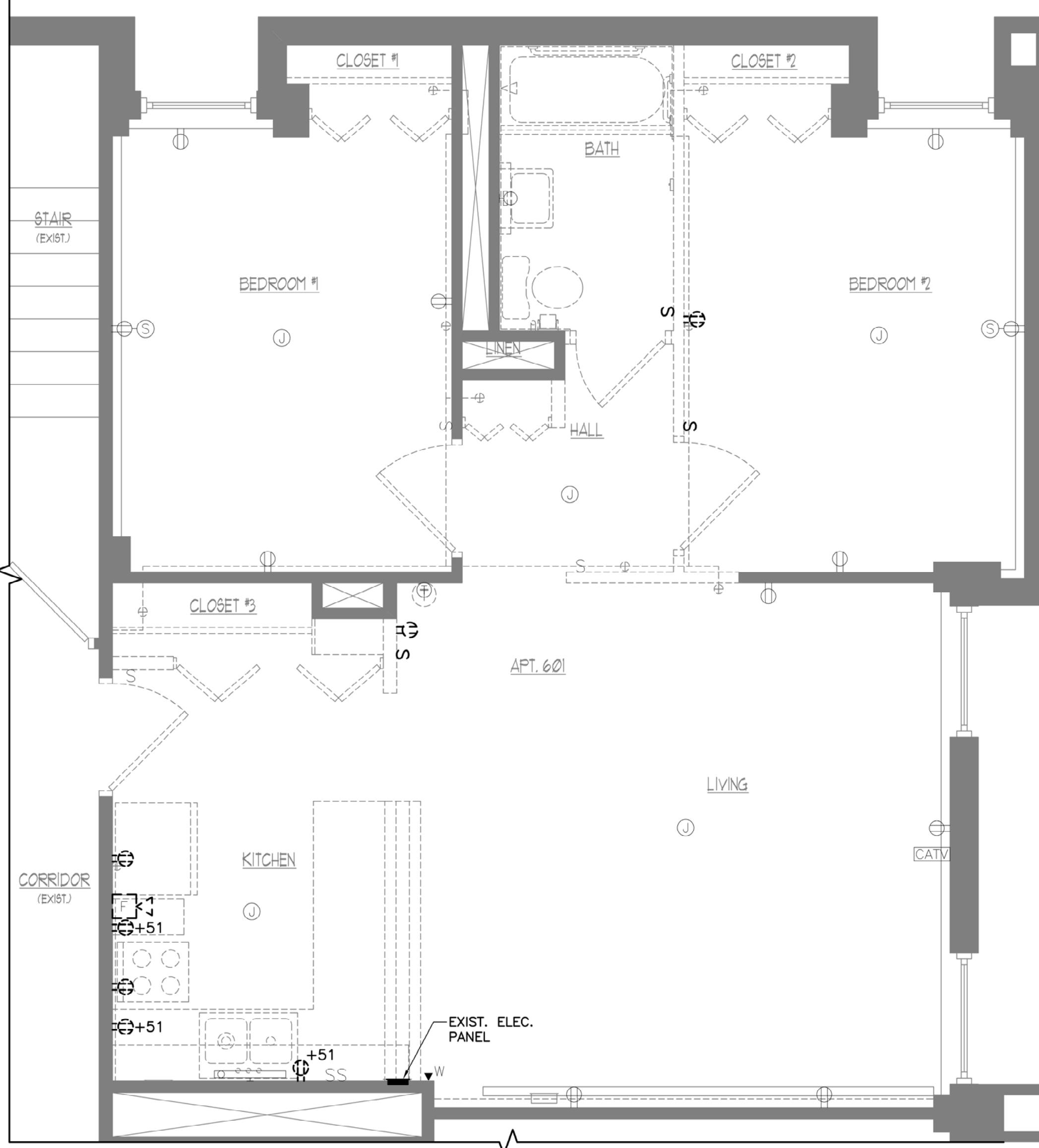


**William R Jennings, Jr.  
Consulting Engineering, PC**

2940 Perrowville Road  
Forest, VA 24551  
Phone: (434) 525-7099  
Fax: (757) 282-2636  
Email: [bjennings@jenningspe.com](mailto:bjennings@jenningspe.com)

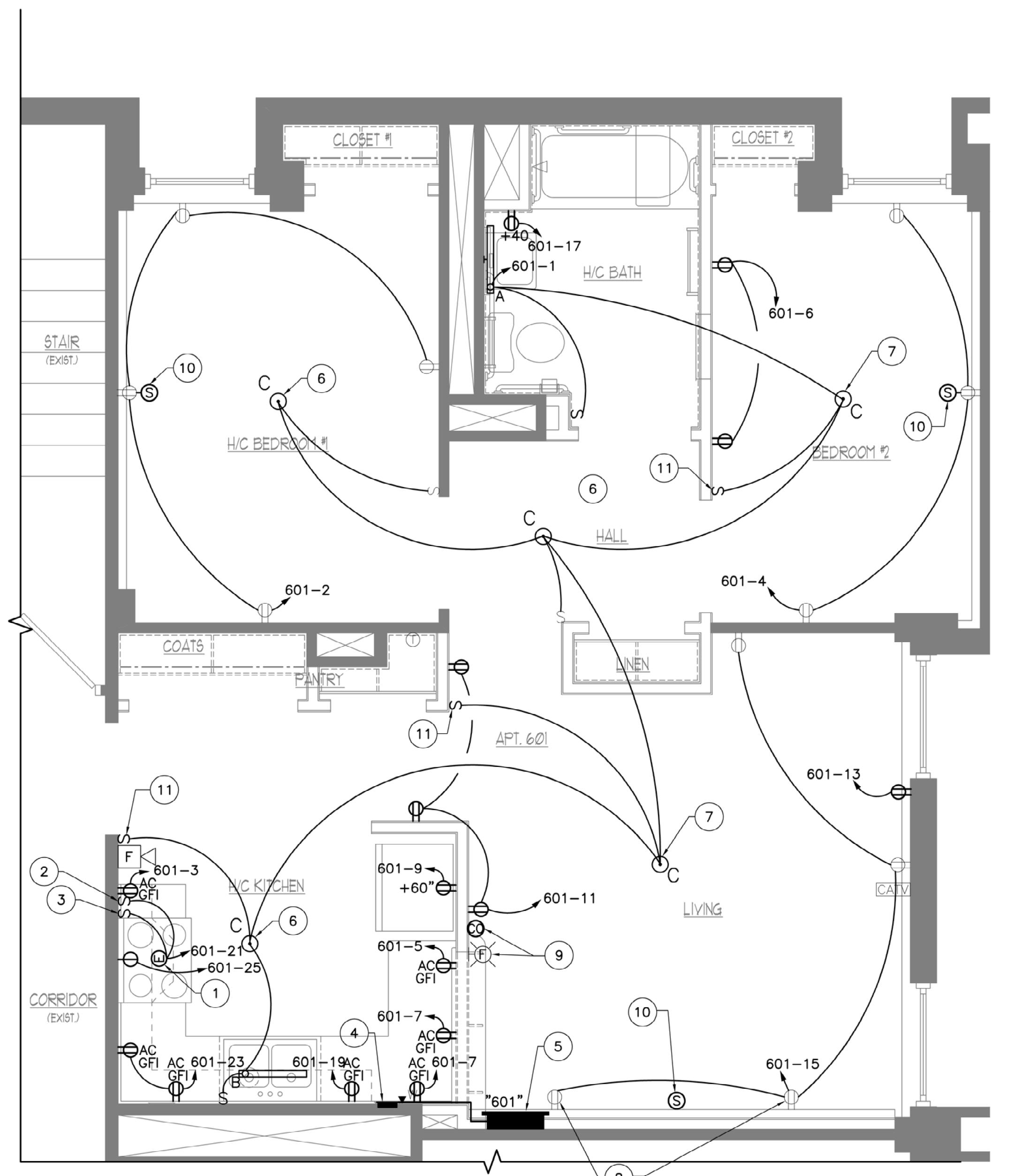


Revisions



TWO BEDROOM UNIT PLAN - ELECTRICAL DEMOLITION

SCALE: 3/8" = 1'-0"



TWO BEDROOM UNIT PLAN - ELECTRICAL NEW WORK

SCALE: 3/8" = 1'-0"

#### DEMOLITION GENERAL NOTES:

- ITEMS SHOWN DARK AND DASHED ARE TO BE DEMOLISHED. REMOVE DEVICE, CONDUIT, AND CONDUCTORS BACK TO SOURCE OR UPSTREAM DEVICE THAT IS EXISTING TO REMAIN UON.
- ITEMS SHOWN LIGHT AND CONTINUOUS ARE EXISTING TO REMAIN.
- WHERE RECEPTACLES AND SWITCHES ARE SHOWN EXISTING TO REMAIN CONTRACTOR SHALL INSTALL NEW DEVICES AND COVER PLATES. CONDUIT SERVICING DEVICES TO BE REUSED TO THE GREATEST EXTENT POSSIBLE. CONTRACTOR SHALL ENSURE CIRCUIT CONTINUITY IS MAINTAINED TO ALL EXISTING DEVICES. EXISTING CIRCUITRY MAY DIFFER FROM WHAT IS SHOWN. FIELD VERIFY ALL EXISTING EXISTING CIRCUITY PRIOR TO DEMOLITION. MAINTAIN EXISTING CIRCUITY, RUN EXISTING CIRCUIT IN NEW CONDUIT WHERE CONCEALED IN WALL.
- WHERE CONDUIT IS RUN CONCEALED IN WALL THAT IS NOT TO BE DISTURBED, CONTRACTOR MAY ABANDON CONDUIT IN PLACE. CONDUIT SHALL BE DEMOLISHED BACK TO LIMITS OF DEMOLITION TO A POINT ABOVE THE CEILING OR BELOW THE FLOOR AND PATCHED FLUSH.

#### NEW WORK GENERAL NOTES:

- ALL NEW SWITCHES SHALL BE MOUNTED AT 40" AFF. EXISTING SWITCHES SHALL BE RELOCATED TO 40" AFF.
- REUSE EXISTING CONDUIT TO THE GREATEST EXTENT POSSIBLE. DO NOT REUSE WIRE

#### NEW WORK SPECIFIC NOTES

- CONNECTION FOR RANGE HOOD.
- SWITCH FOR FAN ON RANGE HOOD.
- SWITCH FOR LIGHT IN RANGE HOOD.
- EXTEND EXISTING CIRCUITRY TO BE REUSED TO NEW PANEL "601" INSTALL AS NOTED ON PANEL SCHEDULE SEE SHEET E1.1. EXTEND CIRCUITS IN 3-3/4" CONDUITS WITH NO MORE THAN 4 CIRCUITS EACH, NO SHARED NEUTRALS. RUN PANEL MAIN FEEDER CONDUCTORS IN SEPARATE CONDUIT.
- INSTALL 200A 208/120V SINGLE PHASE LOAD CENTER.
- INSTALL NEW FIXTURE IN EXISTING LOCATION. SWITCH VIA EXISTING SWITCH. CONNECT TO EXISTING CIRCUITY.
- INSTALL NEW FIXTURE IN EXISTING LOCATION, REUSE EXISTING CIRCUITRY, FIXTURE SWITCHED VIA NEW SWITCH AS SHOWN.
- RELOCATE RECEPTACLES TO COMPENSATE FOR NEW DEPTH OF THE WALL.
- PROVIDE WALL MOUNTED WHITE CARBON MONOXIDE DETECTOR GENTEX MODEL NUMBER CO1209F OR EQUAL. WIRE TO ADA COMPLIANT VISUAL SIGNALING DEVICE GENTEX MODEL NUMBER GXS-120179WW OR EQUAL.
- ADA COMPLIANT WALL MOUNTED 120V PHOTOELECTRIC SMOKE ALARM WITH VISUAL SIGNALING. GENTEX MODEL NUMBER 7139CS-W OR EQUAL.
- RUN NEW SWITCH WIRING IN EXISTING CONDUIT TO NEW FIXTURE IN EXISTING LOCATION, WHERE EXTEND EXISTING CONDUIT THROUGH NEW WALL TO SWITCH LOCATION.

#### KEY PLAN SIXTH FLOOR

