

# RENOVATIONS

## FOR THE

# BIOMETRICS FUSION INTERIM FACILITY

## CLARKSBURG, WEST VIRGINIA

01/24/03

ARCHITECT  
**WYK ASSOCIATES**  
CLARKSBURG, WEST VIRGINIA

MECHANICAL / ENGINEERING  
CONSULTANT  
**HDM ASSOCIATES, INC.**  
VIRGINIA BEACH, VIRGINIA

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**WYK**

WYK ASSOCIATES, INC.

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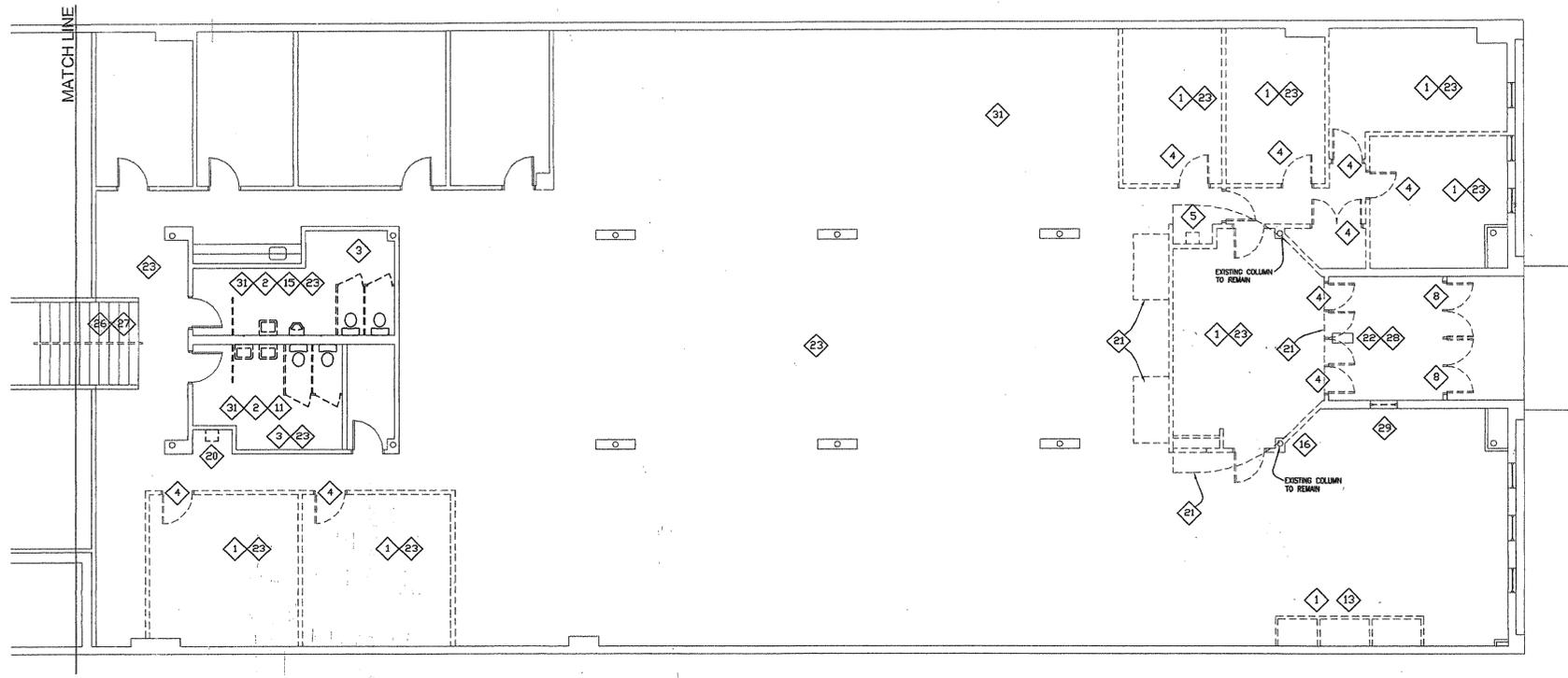
RENOVATIONS  
TO THE  
BIOMETRICS FUSION INTERIM FACILITY  
WEST VIRGINIA

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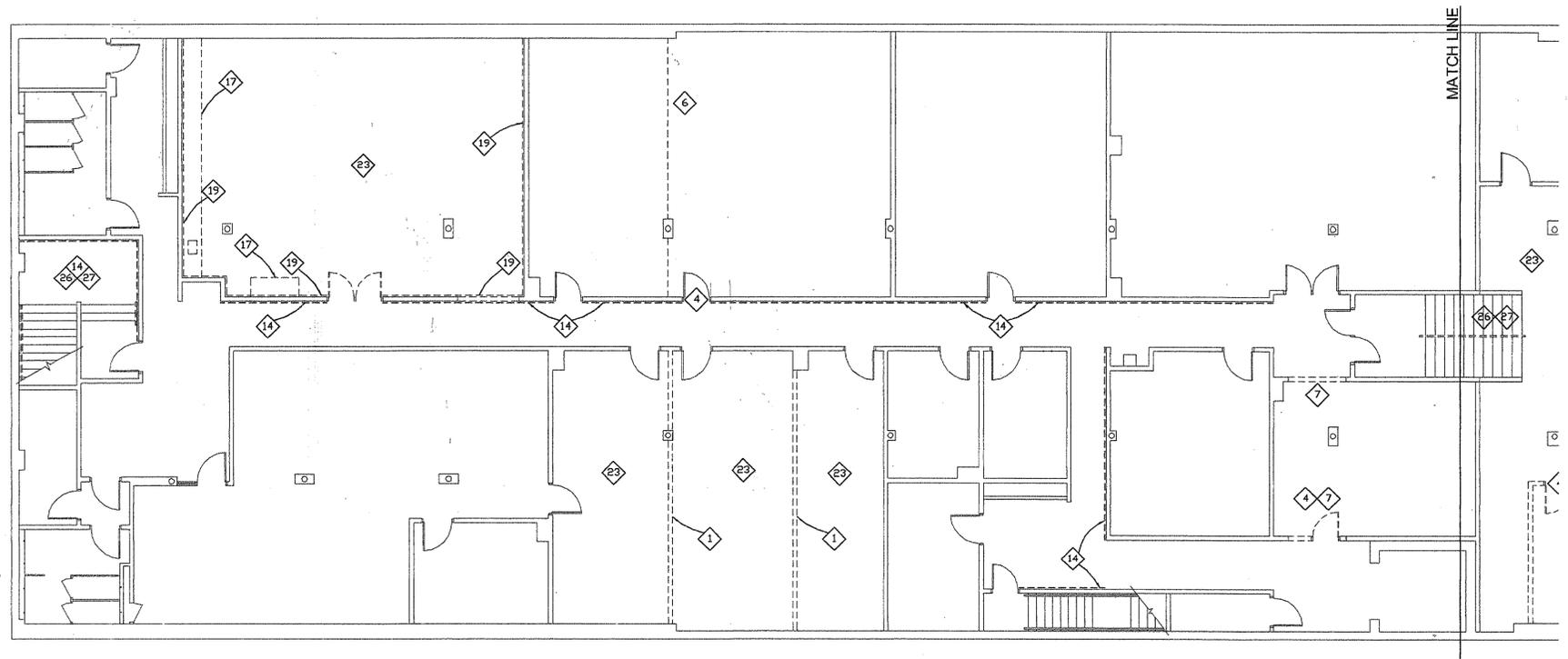
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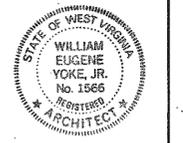
1  
D-1  
**First Demolition Plan**  
SCALE: 1/8" = 1'-0"



2  
D-1  
**Second Demolition Plan**  
SCALE: 1/8" = 1'-0"

- DEMOLITION NOTES**
- 1) REMOVE & DISPOSE OF EXISTING PARTITIONS.
  - 2) REMOVE & DISPOSE OF EXISTING PLUMBING FIXTURES.
  - 3) REMOVE & DISPOSE OF EXISTING TOILET PARTITIONS.
  - 4) REMOVE & DISPOSE OF EXISTING DOOR, FRAME & HARDWARE.
  - 5) REMOVE EXISTING ELECTRIC WATER COOLER & RETURN TO OWNER.
  - 6) REMOVE & DISPOSE OF EXISTING FOLDING PARTITION.
  - 7) REMOVE EXISTING WALL CONSTRUCTION AS REQUIRED FOR NEW DOOR OPENING.
  - 8) REMOVE & RETURN EXISTING STORE FRONT DOORS AND FRAME TO OWNER.
  - 9) REMOVE & DISPOSE OF EXISTING RACEWAY -- CAP OFF ELECTRICAL FEEDS AS REQUIRED.
  - 10) REMOVE EXISTING ELECTRICAL CONDUIT TO BELOW FLOOR LINE.
  - 11) REMOVE & DISPOSE OF EXISTING FLOOR TILE.
  - 12) REMOVE & DISPOSE OF EXISTING SYSTEMS FURNITURE PANELS.
  - 13) REMOVE & DISPOSE OF EXISTING SHELVING & FOLDING DOORS.
  - 14) REMOVE EXISTING 1/4" WIDE BORDER AT TOP BOTTOM OF GRAPHIC.
  - 15) REMOVE & DISPOSE OF EXISTING SHEET VINYL.
  - 16) REMOVE & DISPOSE OF EXISTING PASS-THRU WINDOW, SHELF & TRIM.
  - 17) REMOVE & RELOCATE CABINETRY TO THIRD LEVEL LUNCH ROOM.
  - 18) REMOVE EXISTING PARTITION AS REQUIRED FOR NEW PASS THRU WINDOW.
  - 19) REMOVE & DISPOSE OF EXISTING DRYWALL AT INTERIOR OF ROOM.
  - 20) REMOVE EXISTING WATER COOLER, RELOCATE & INSTALL AT SECOND LEVEL.
  - 21) REMOVE & DISPOSE OF EXISTING CONCRETE SLAB (COORDINATE WITH LAYOUT OF NEW RECEPTION AREA)
  - 22) REMOVE AND DISPOSE OF EXISTING SECURITY CAMERA.
  - 23) REMOVE AND DISPOSE OF EXISTING ACoustICAL CEILING TILE - SEE REFLECTED CEILING PLANS SHEET A-3 & A-4 FOR NEW CEILING LAYOUT.
  - 24) REMOVE EXISTING HUMIDIFIER UNIT, CONCEAL AND CAP OFF EXISTING SUPPLY LINES.
  - 25) REMOVE EXISTING DUCTWORK AND DEHUMIDIFIER LINES. CONCEAL AND CAP OFF AS REQUIRED.
  - 26) REMOVE & DISPOSE OF EXISTING RUBBER STAIR TREADS.
  - 27) REMOVE & DISPOSE OF EXISTING HANDRAIL(S).
  - 28) REMOVE & DISPOSE OF EXISTING INSULATION FINISH SYSTEM AT ENTRY CEILING (EXISTING SUBSTRATE TO REMAIN).
  - 29) REMOVE & DISPOSE OF EXISTING WINDOW UNIT AS REQUIRED.
  - 30) REMOVE & DISPOSE OF EXISTING CARPET AT ENTRY.
  - 31) REMOVE & DISPOSE OF CONCRETE FLOOR SLAB AS REQUIRED FOR NEW PLUMBING SUPPLY AND SANITARY LINE INSTALLATION.

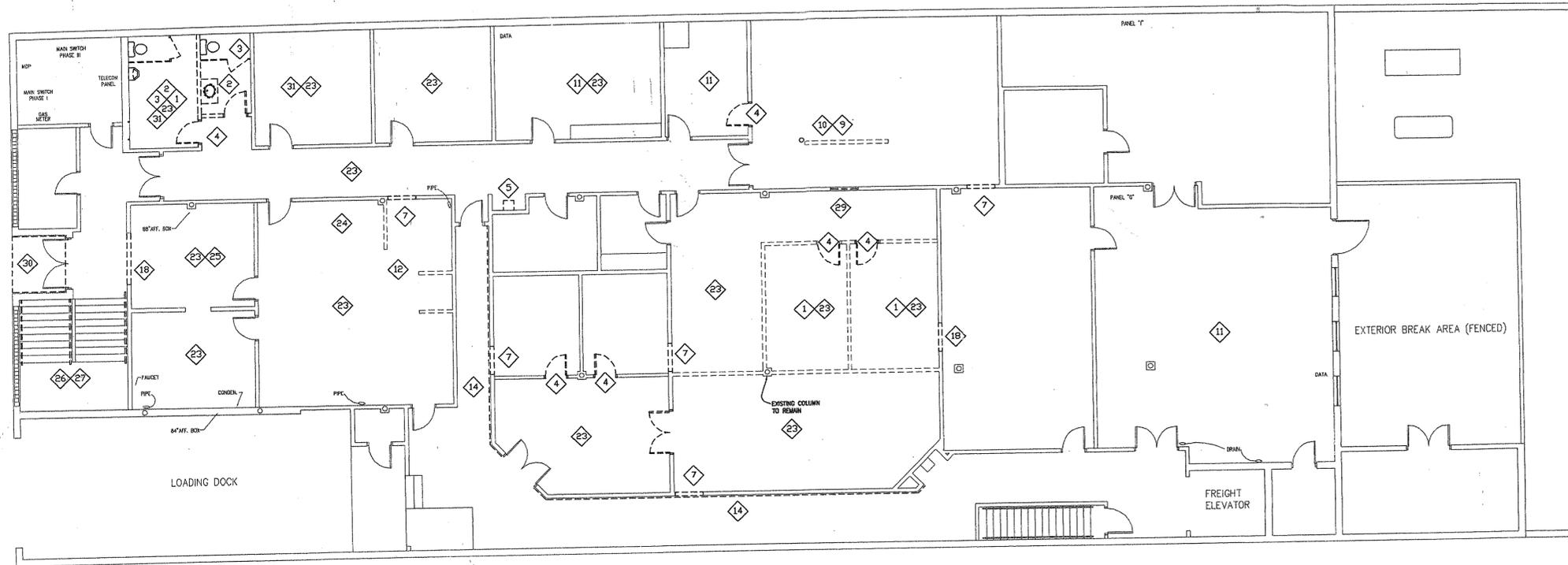
- GENERAL DEMOLITION NOTES**
- 1) EXISTING 6" WALL BASE IS TO BE REMOVED & DISPOSED ON EACH LEVEL OF THE BUILDING.
  - \*\*\* THIS INCLUDES ROOMS, HALLS, ETC. THAT ARE NOT RECEIVING ANY OTHER WORK.
  - 2) REMOVE EXIST FLOOR DECK AS REQUIRED FOR NEW SANITARY PIPING / WATER SUPPLY LINES.



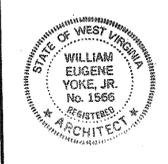
**FIRST & SECOND LEVEL  
DEMOLITION PLANS**

**RENOVATIONS  
TO THE  
BIOMETRICS FUSION INTERIM FACILITY  
CLARKSBURG, WEST VIRGINIA**

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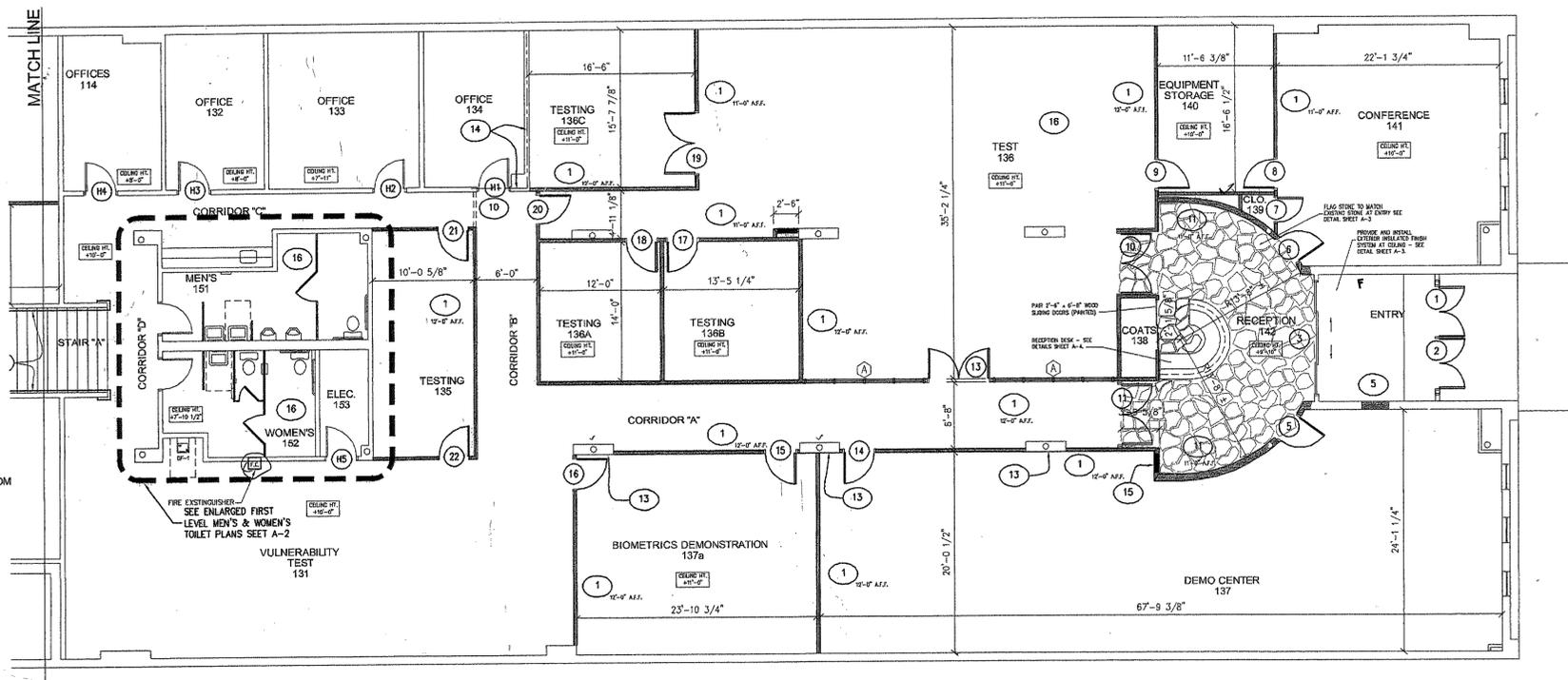
1
D-2
**Third Level Demolition Plan**  
 SCALE: 1/8" = 1'-0"



**FIRST & SECOND LEVEL  
 DEMOLITION PLANS**

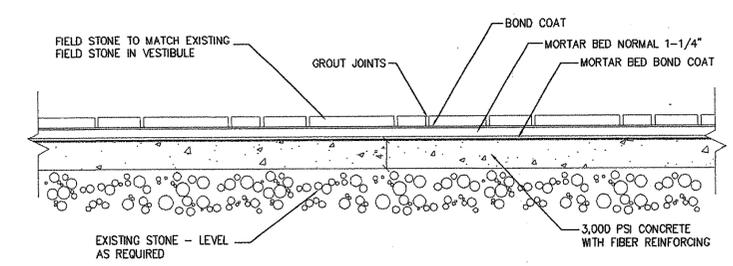
**RENOVATIONS  
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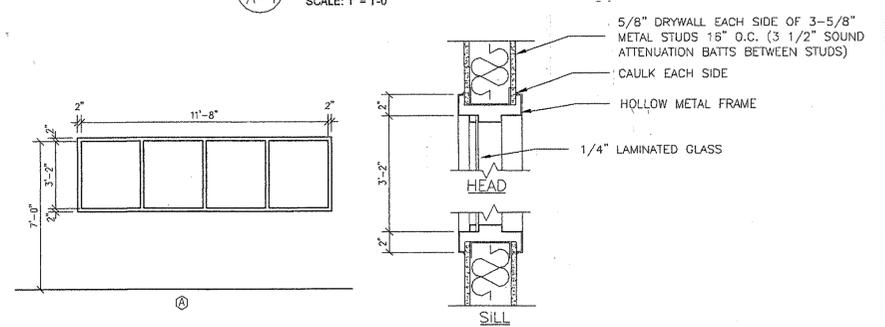


**1 First Level Floor Plan**  
SCALE: 1/8" = 1'-0"

**3 Not Used**  
SCALE: 3/8" = 1'-0"

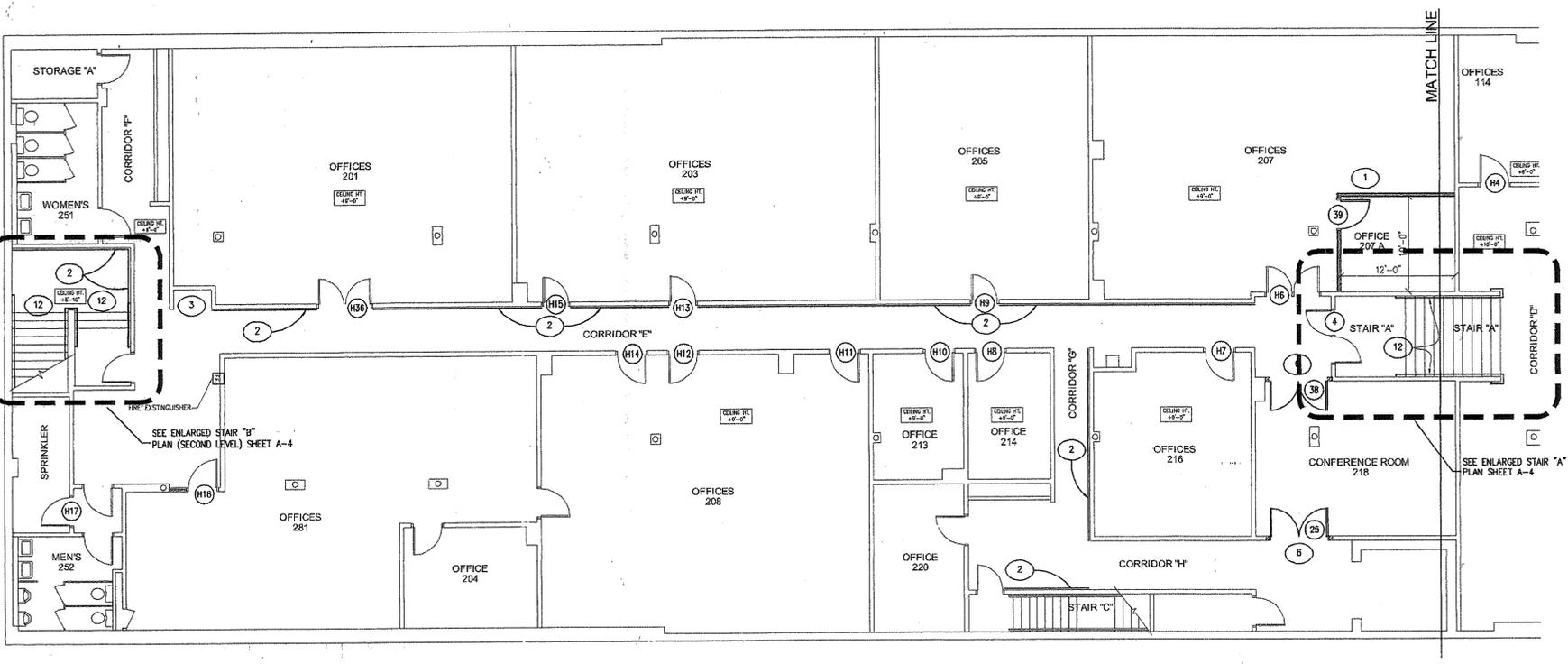


**4 Stone/ Conc. Detail**  
SCALE: 1" = 1'-0"



**5 Borrow - Lite Elevation**  
SCALE: 1/4" = 1'-0"

**6 Borrow Lite Section**  
SCALE: 1-1/2" = 1'-0"

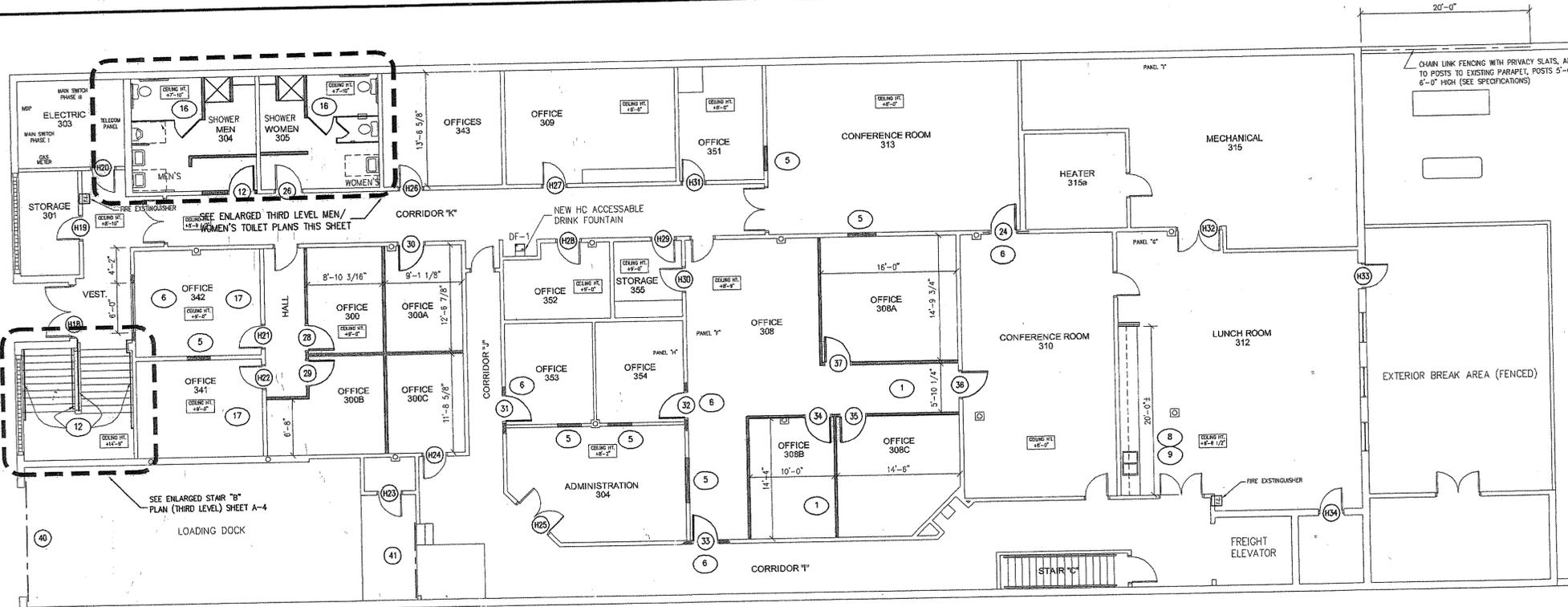


**2 Second Level Floor Plan**  
SCALE: 1/8" = 1'-0"

- CONSTRUCTION NOTES**
- 1) NEW PARTITIONS 5/8" DRYWALL ON EACH SIDE OF 3 1/2" METAL STUDS @ 16" O.C. PROVIDE 3 1/2" SOUND ATTENUATION BATTS BETWEEN STUDS. TOP OF PARTITIONS SHALL BE 10'-0" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
  - 2) APPLY STAIN BLOCK OVER EXISTING GRAPHIC PRIOR TO PAINT APPLICATION.
  - 3) RELOCATED WATER COOLER FROM THE 1ST LEVEL - CONNECT TO EXISTING WATER SUPPLY, DRAINAGE & ELEC. POWER AS REQUIRED.
  - 4) PROVIDE & INSTALL 3-5/8" METAL STUDS & DRYWALL TO HANG AROUND EXISTING COLUMN AS REQUIRED.
  - 5) BLOCK UP OPENING WITH STUDS & DRYWALL. FACE OF DRYWALL SHALL MATCH MEMBER & ALIGN WITH ADJACENT WALL SURFACES.
  - 6) PATCH UNREMOVED CONSTRUCTION AT NEW/REVISED DOOR OPENINGS.
  - 7) EXTEND EXISTING PARTITIONS TIGHT TO UNDERSIDE OF EXISTING THIRD LEVEL DECK - TOP OF EXISTING PARTITIONS ARE APPROX. 10'-0" A.F.F. BOTTOM OF 3RD LEVEL DECKING IS APPROX. 14'-0" A.F.F. PROVIDE REINFORCED DRYWALL OVER INTERIOR FACE OF STUDS FROM FLOOR LINE TO UNDERSIDE OF THIRD LEVEL DECK.
  - 8) RELOCATE BASE & WALL CABINETS, (REMAINING CABINETRY TO BE RETURNED TO OWNER)
  - 9) PROVIDE NEW COUNTERTOP WITH HIGH PRESSURE LAMINATE
  - 10) BULKHEAD: 3-5/8" METAL STUDS WITH 5/8" METAL STUDS @ 16" O.C. DRYWALL AT EXPOSED FACES, BOTTOM OF BULKHEAD SHALL BE 8'-5" A.F.F.
  - 11) RADUS WALL PARTITIONS SHALL BE CONSTRUCTED METAL STUDS @ 16" O.C. WIDTH OF STUDS SHALL BE AS REQUIRED TO CONCEAL EXISTING COLUMNS) WITH (2) LAYERS OF 3/8" DRYWALL EACH SIDE OF STUDS PROVIDE SOUND ATTENUATION BATTS BETWEEN STUDS.
  - 12) PROVIDE NEW 1-1/2" PIPE HANDRAILS.
  - 13) PROVIDE 5/8" DRYWALL OVER 7/8" FURRING CHANNELS @ 16" O.C.
  - 14) EXTEND EXISTING PARTITIONS HIGHER AS REQUIRED FOR NEW CEILING HEIGHT.
  - 15) PROVIDE AND INSTALL 6" METAL STUDS @ NEW PARTITION CONTAINING ELECTRICAL PANEL. PATCH CONCRETE FLOOR SLAB AT NEW REVISED PLUMBING & SANITARY LINES. CONCRETE PATCHING SHALL BE FLUSH WITH ADJACENT FLOOR SURFACES.
  - 16) BLOCK UP OPENING AT FORMER LOCATION OF ROOF TOP HVAC EQUIPMENT. PROVIDE 3" PLYWOOD SHEATHING AT OPENING. PLYWOOD SHALL MATCH ADJACENT ROOF SURFACE. ADHERE MEMBRANE ROOFING OVER PLYWOOD SHEATHING. SPLICE MEMBRANE ROOFING TO ADJACENT MEMBRANE ROOFING.

- GENERAL CONSTRUCTION NOTES**
- 1) ALL INTERIOR WALLS, NEW AND EXISTING (EXCLUDING MECHANICAL SPACES ONLY) SHALL BE PAINTED WITH 2 COATS OF LATEX PAINT FROM FINISHED FLOOR HEIGHT TO BOTTOM OF EXISTING / NEW ACoustICAL CEILING TILE. ROOM CEILING HEIGHTS EXISTING / NEW CEILING HEIGHTS ARE DENOTED AS CEILING HT. ±9'-0"
  - 2) PATCH & REPAIR FLOOR / WALL CONSTRUCTION WHERE PLUMBING FIXTURES &/OR SUPPLY LINES HAVE BEEN REMOVED, INSTALLED OR RELOCATED. AREAS RECEIVING PATCHING SHALL MATCH MEMBER AND ALIGN WITH ADJACENT SURFACES. CAP OFF SAN. & WATER SUPPLY LINES - CONCEALED BELOW / BEHIND WALL CONSTRUCTION.
  - 3) ALL EXISTING DOORS AND FRAMES ARE TO BE PAINTED - SEE SPECIFICATIONS FOR PAINT TYPE AND NUMBER OF COATS.

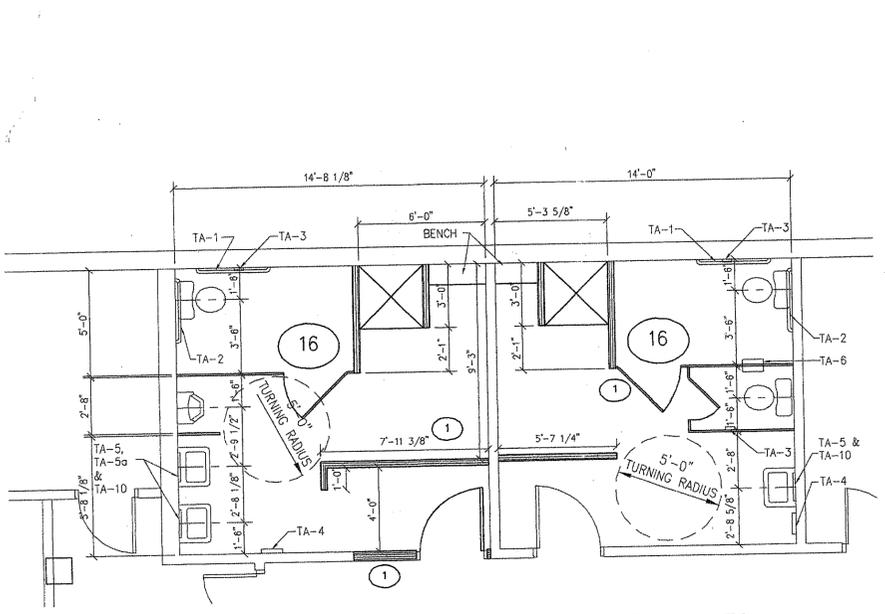
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\* Unfiled and for last my - on  
\* locate sound room  
\* Electrical conduits  
\* Patch concrete work  
\* From Biometrics Room 137  
\* Biometric - device - hangover to*



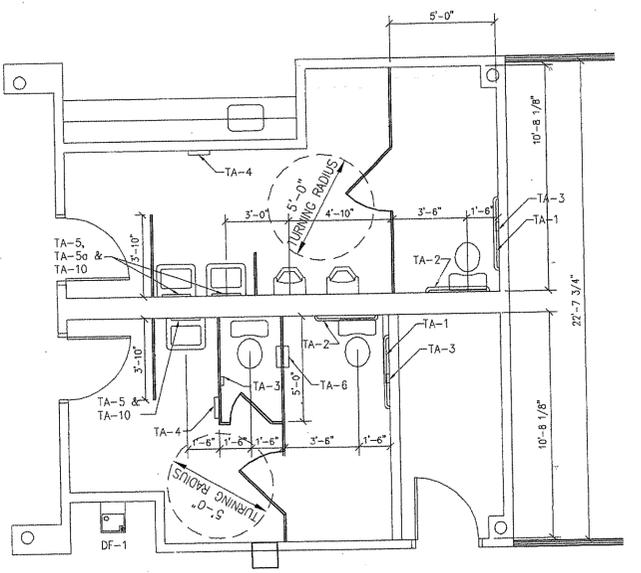
**1 Third Level Floor Plan**  
SCALE: 1/8" = 1'-0"

Room Finish Schedule									
ROOM #	ROOM NAME	FLOOR	BASE	WALL	CEILING	CASEWORK	CLS.	REMARKS	
142	ENTRY	S	RWB	P1	P1	P1			EIFS
139	RECEPTION	S	RWB	P1	P1	P1			ACT2
140	CLOSET	C	RWB	P1	P1	P1			ACT
140	EQUIP. / STORAGE	C	RWB	P1	P1	P1			ACT
141	CONFERENCE	C	RWB	P1	P1	P1			ACT
138	COATS	C	RWB	P1	P1	P1			ACT
137	DEMO CENTER	C	RWB	P1	P1	P1			ACT
136 A	CORRIDOR "A"	C	RWB	P1	P1	P1			ACT
136	CET TEST	VCT	RWB	P1	P1	P1			ACT
136 A	LIGHT EFFECTS TESTING	VCT	RWB	P1	P1	P1			ACT3
136 B	ACQUST EFFECTS TESTING	VCT	RWB	P1	P1	P1			ACT
136 C	VIBRATION TESTING	VCT	RWB	P1	P1	P1			ACT
137 A	DEMO STAFF OFFICE	C	RWB	P1	P1	P1			ACT
137	CORRIDOR "B"	C	RWB	P1	P1	P1			ACT
135	TESTING	VCT	RWB	P1	P1	P1			ACT
131	VULNERABILITY TESTING	C	RWB	P1	P1	P1			ACT
153	ELEC.	VCT	RWB	P2	P2	P2			ACT
152	WOMEN'S	VCT	RWB	P2	P2	P2			ACT
151	CORRIDOR "C"	C	RWB	P1	P1	P1			ACT
134	OFFICE	C	RWB	P1	P1	P1			ACT4
133	OFFICE	C	RWB	P1	P1	P1			ACT4
132	OFFICE	C	RWB	P1	P1	P1			ACT4
114	OFFICE	C	RWB	P1	P1	P1			ACT4
114	CORRIDOR "D"	C	RWB	P1	P1	P1			ACT
207	OFFICES	C	RWB	P1	P1	P1			ACT
207A	OFFICE	C	RWB	P1	P1	P1			ACT4
205	OFFICES	C	RWB	P1	P1	P1			ACT4
203	OFFICES	C	RWB	P1	P1	P1			ACT4
201	OFFICES	C	RWB	P1	P1	P1			ACT4
251	WOMEN'S	VCT	RWB	P2	P2	P2			ACT1
251	STORAGE "A"	VCT	RWB	P1	P1	P1			ACT4
252	SPRINKLER	VCT	RWB	P1	P1	P1			ACT1
252	MEN'S	VCT	RWB	P2	P2	P2			ACT1
281	OFFICES	C	RWB	P1	P1	P1			ACT4
204	OFFICE	C	RWB	P1	P1	P1			ACT4
208	OFFICE	C	RWB	P1	P1	P1			ACT4
213	OFFICE	C	RWB	P1	P1	P1			ACT4
214	OFFICE	C	RWB	P1	P1	P1			ACT4
220	OFFICE	C	RWB	P1	P1	P1			ACT4
216	OFFICE	C	RWB	P1	P1	P1			ACT4
218	CONFERENCE	C	RWB	P1	P1	P1			ACT4
312	LUNCH ROOM	VCT	RWB	P2	P2	P2			ACT4
310	CONFERENCE ROOM	C	RWB	P1	P1	P1			ACT4
315	MECHANICAL								
315A	BOILER								
313	CONFERENCE ROOM	C	RWB	P1	P1	P1			ACT4
308	OFFICE	C	RWB	P1	P1	P1			ACT
308A	OFFICE	C	RWB	P1	P1	P1			ACT
308B	OFFICE	C	RWB	P1	P1	P1			ACT
308C	OFFICE	C	RWB	P1	P1	P1			ACT
304	OFFICE	C	RWB	P1	P1	P1			ACT4
353	OFFICE	C	RWB	P1	P1	P1			ACT4
354	OFFICE	C	RWB	P1	P1	P1			ACT4
352	OFFICE	C	RWB	P1	P1	P1			ACT4
355	OFFICE	C	RWB	P1	P1	P1			ACT4
351	OFFICE	C	RWB	P1	P1	P1			ACT4
309	OFFICE	C	RWB	P1	P1	P1			ACT
343	OFFICE	C	RWB	P1	P1	P1			ACT
300	OFFICE	C	RWB	P1	P1	P1			ACT
300A	OFFICE	C	RWB	P1	P1	P1			ACT
300B	OFFICE	C	RWB	P1	P1	P1			ACT
300C	OFFICE	C	RWB	P1	P1	P1			ACT
305	WOMEN	VCT	RWB	P2	P2	P2			ACT1
304	MEN	VCT	RWB	P2	P2	P2			ACT1
341	OFFICE	C	RWB	P1	P1	P1			ACT
342	OFFICE	C	RWB	P1	P1	P1			ACT
341	HALL	C	RWB	P1	P1	P1			ACT4
301	VESTIBULE	VCT	RWB	P1	P1	P1			ACT4
303	STORAGE	VCT	RWB	P1	P1	P1			ACT4
303	LOADING DOCK								

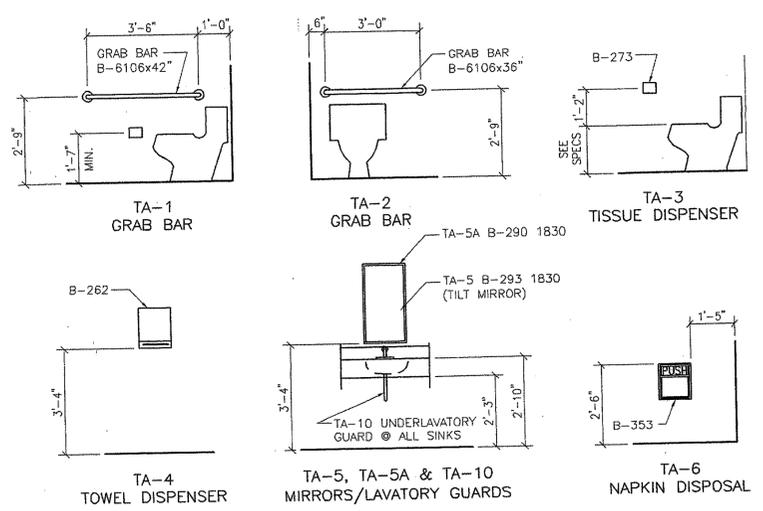
Room Finish Legend		
<b>Floor:</b>	<b>Walls:</b>	<b>Ceiling:</b>
CARPET: C CARPET	PAINT P1 ACRYLIC LATEX P2 EPOXY PAINT	ACOUSTICAL CEILING TILE: ACT 2X4 CEILING TILE IN 2x4 LAY-IN GRID ACT1 2x4 VINYL FACED CEILING TILE IN 2x4 LAY-IN GRID ACT2 2x2 CEILING TILE IN 2x2 LAY-IN GRID ACT3 2x4 CEILING TILE (SPRAY PAINT TILE IN FIELD) IN 2x4 LAY-IN GRID ACT4 2x4 CEILING TILE IN EXISTING 2x4 LAY-IN GRID
RESILIENT FLOORING: VCT VINYL COMPOSITION TILE		
STONE S STONE TO MATCH EXISTING	RUBBER BASE RWB 4" RUBBER COVE	EXTERIOR INSULATED FINISH SYSTEM: EIFS INSULATED FINISH SYSTEM OVER EXISTING SUBSTRATE



**2 Enlarged Third Level Men's & Women's Toilets Plans**  
SCALE: 1/4" = 1'-0"

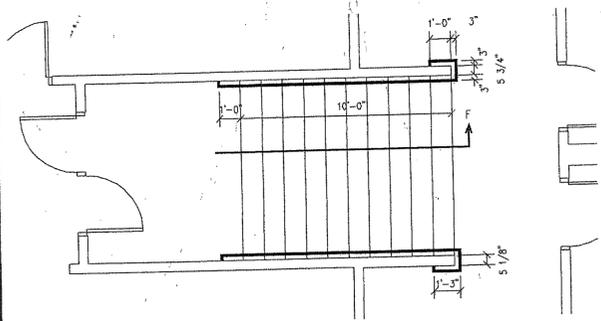


**3 Enlarged First Level Men's & Women's Toilets Plans**  
SCALE: 1/4" = 1'-0"

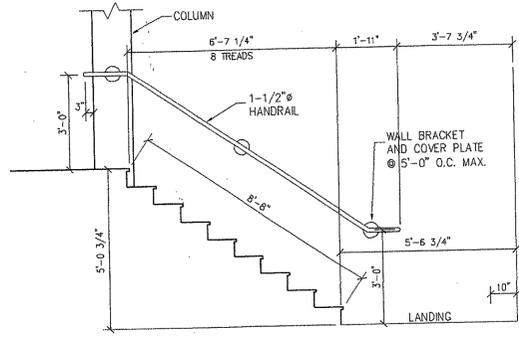


**4 Typical Toilet Accessories**  
SCALE: 3/8" = 1'-0"

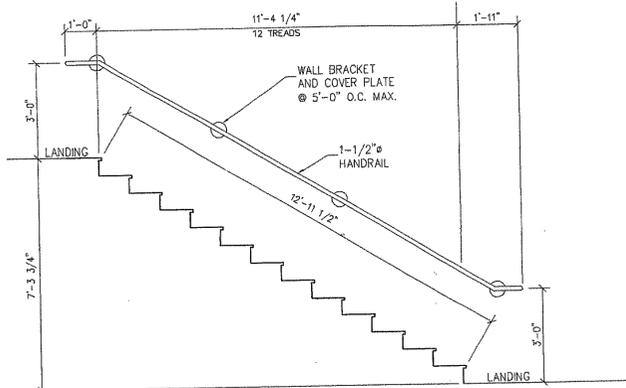




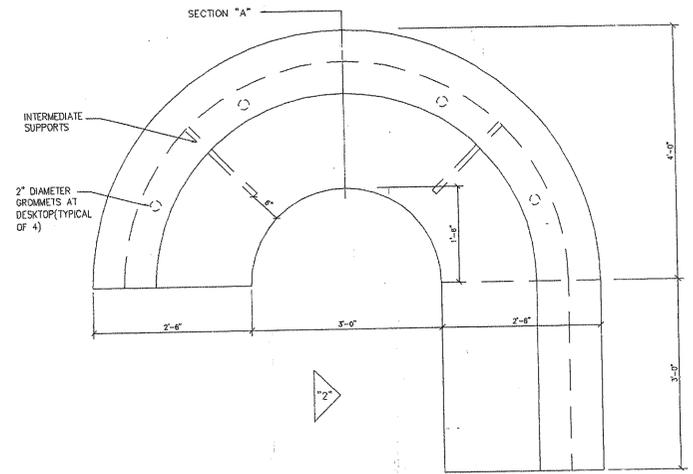
1 Enlarged Stair "A" Plan  
Scale: 1/4" = 1'-0"



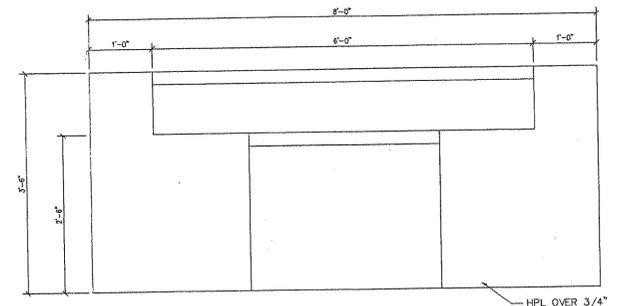
4 Section "A"  
Scale: 3/8" = 1'-0"



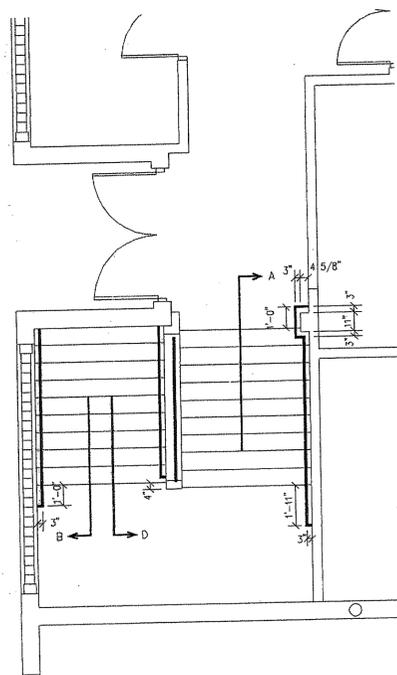
5 Section "B"  
Scale: 3/8" = 1'-0"



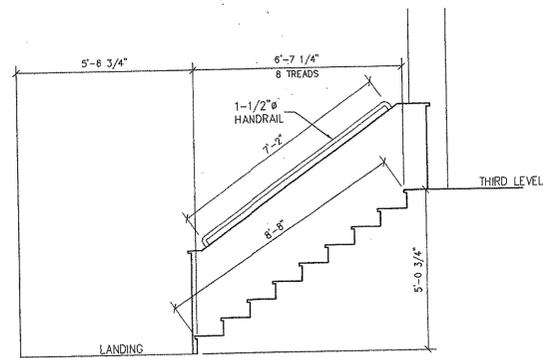
PLAN VIEW



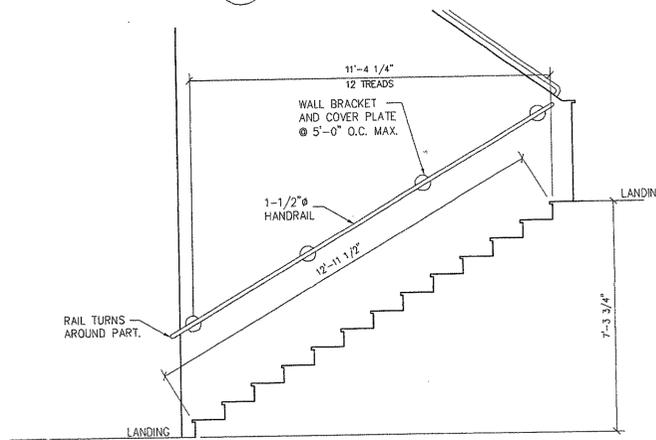
ELEVATION "1"



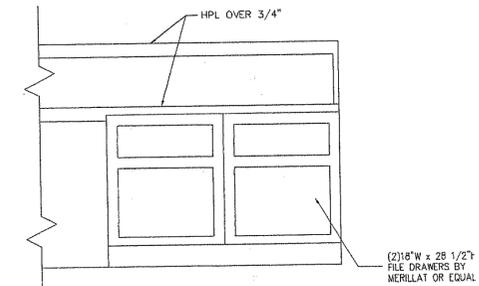
2 Enlarged Stair "B" Plan  
Scale: 1/4" = 1'-0"



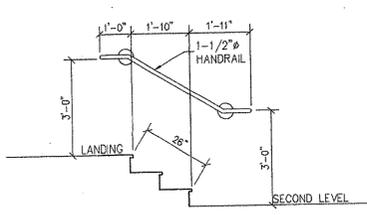
6 Section "C"  
Scale: 3/8" = 1'-0"



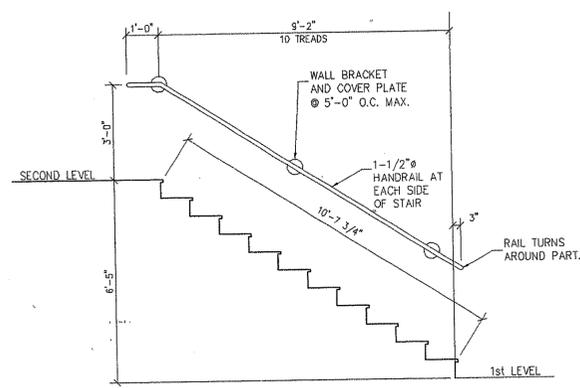
7 Section "D"  
Scale: 3/8" = 1'-0"



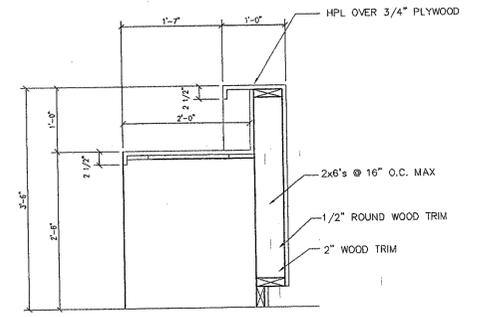
ELEVATION "2"



8 Section "E"  
Scale: 3/8" = 1'-0"

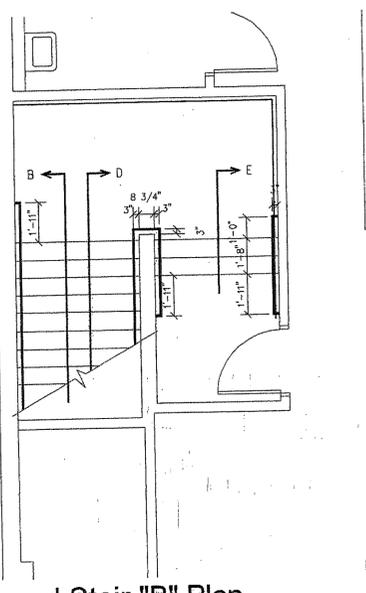


3 Section "F"  
Scale: 3/4" = 1'-0"



SECTION "A"

3 Reception Desk Details  
Scale: 3/4" = 1'-0"



3 Enlarged Stair "B" Plan  
Scale: 1/4" = 1'-0"

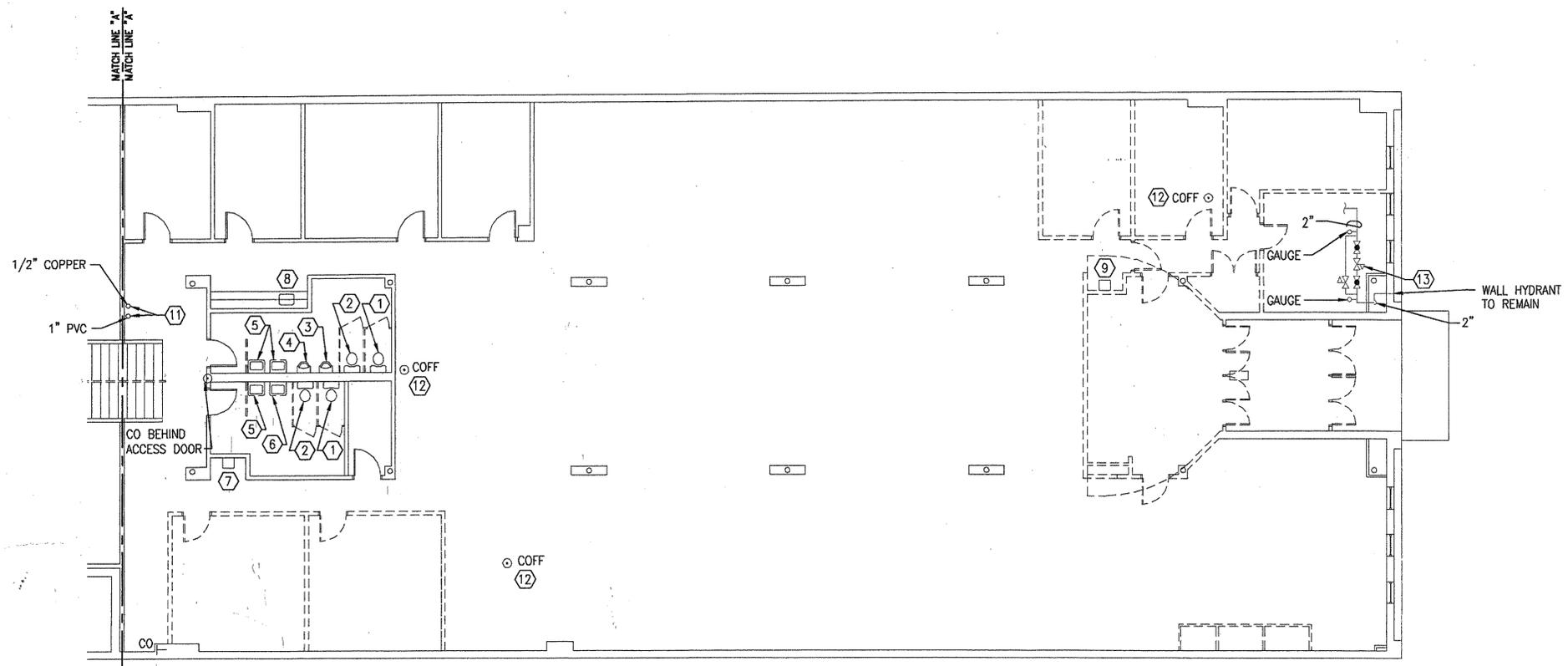
GENERAL NOTE:  
1) PROVIDE BLOCKING BETWEEN EXISTING STUD PARTITIONS AT SUPPORT BRACKET LOCATIONS. COORDINATE LOCATION OF BRACKETS / BLOCKING WITH HANDRAIL MANUFACTURER. PATCH AND REPAIR EXISTING DRYWALL AS REQUIRED.

**LEGEND**

- EXISTING COLD WATER PIPING
- DOMESTIC COLD WATER PIPING (CW)
- DOMESTIC HOT WATER PIPING (HW)
- DOMESTIC HOT WATER RETURN (HWR)
- EXISTING SEWER OR WASTE PIPE
- SANITARY SEWER OR WASTE PIPE (SS)
- NEW SANITARY VENT PIPING
- EXISTING SANITARY VENT PIPING
- COFF (FLOOR TYPE) (COFF)
- PIPING TURN UP
- PIPING TURN DOWN
- BACK FLOW PREVENTER (BKPV)
- GATE VALVE IN VERTICAL
- HOSE BIBB
- P-# PLUMBING FIXTURE NUMBER - PLUMBING CONTRACTOR TO PROVIDE AND INSTALL.
- POINT OF NEW CONNECTION
- # NEW WORK NOTE
- # DEMOLITION NOTE

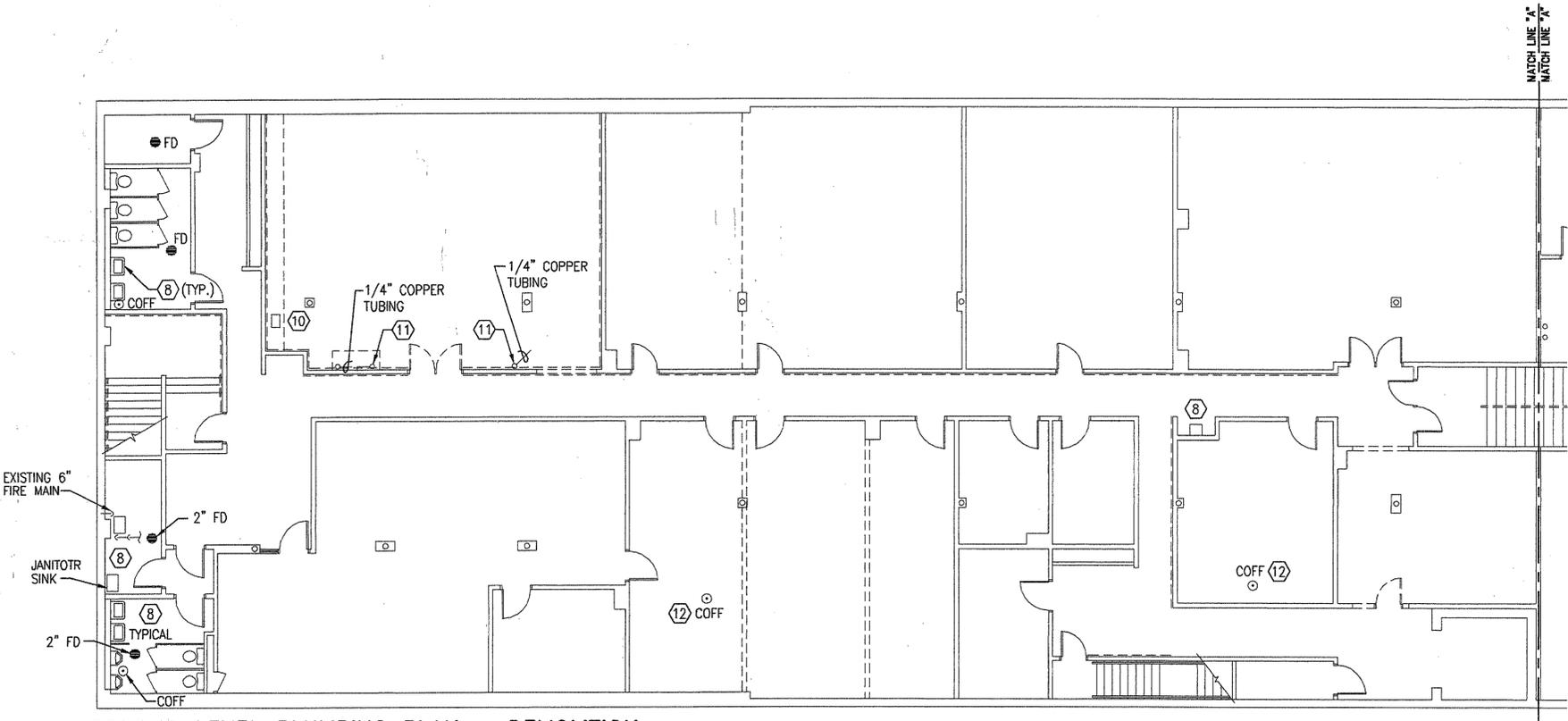
**DEMOLITION NOTES (THIS SHEET ONLY)**

- 1 REMOVE EXISTING WATER CLOSET AND FLUSH VALVE. MODIFY WASTE AND WATER ROUGH-IN FOR NEW WORK.
- 2 REMOVE EXISTING WATER CLOSET AND FLUSH VALVE. REMOVE SANITARY ROUGH-IN TO A POINT BELOW THE FLOOR AND CAP. REMOVE WATER ROUGH-IN TO A POINT IN THE WALL AND CAP.
- 3 REMOVE FIXTURE AND FLUSH VALVE. EXISTING ROUGH-IN SHALL BE MODIFIED TO ACCOMMODATE NEW FIXTURE SHOWN ON THE NEW WORK PLAN.
- 4 REMOVE FIXTURE AND FLUSH VALVE. MODIFY WASTE AND WATER ROUGH-IN FOR NEW WORK. REPLACE OR MODIFY CARRIER AS REQUIRED.
- 5 REMOVE FIXTURE, FAUCET, AND SUPPLIES. EXISTING ROUGH-IN SHALL REMAIN AND BE MODIFIED AS NECESSARY TO ACCOMMODATE NEW FIXTURES SHOWN ON THE NEW WORK PLAN.
- 6 REMOVE FIXTURE, FAUCETS, AND SUPPLIES. REMOVE SANITARY AND WATER ROUGH-IN TO WITHIN THE WALL AND CAP.
- 7 REMOVE EXISTING WATER COOLER AND STORE FOR REINSTALLATION ON SECOND LEVEL. ROUGH-IN SHALL REMAIN TO ACCOMMODATE NEW FIXTURE SHOWN ON THE NEW WORK PLAN.
- 8 EXISTING TO REMAIN.
- 9 REMOVE EXISTING WATER COOLER AND RETURN TO THE OWNER. REMOVE ROUGH-INS PASSED THE LIMITS OF DEMOLITION AND CAP.
- 10 REMOVE EXISTING SINK AND STORE FOR REINSTALLATION. REMOVE ROUGH-INS INTO THE WALL OR BELOW THE FLOOR AND CAP.
- 11 REMOVE PIPING TO ABOVE CEILING AND CAP.
- 12 CLEAN OUT TO REMAIN, COORDINATE WITH GENERAL CONTRACTOR FOR ACCESS.
- 13 WATER MAIN TO BUILDING WITH PRESSURE REGULATOR.



**FIRST LEVEL PLUMBING PLAN - DEMOLITION**

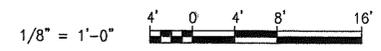
SCALE: 1/8" = 1'-0"

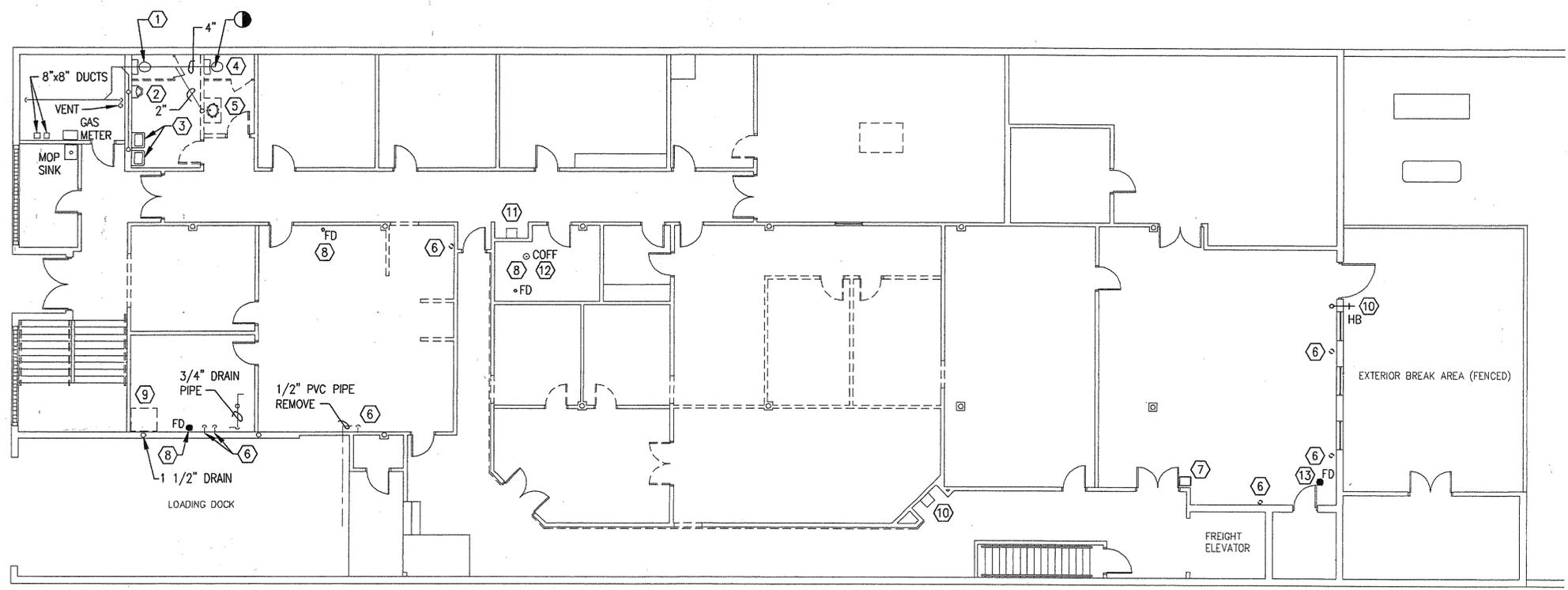


**SECOND LEVEL PLUMBING PLAN - DEMOLITION**

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

**GRAPHIC SCALE**





**THIRD LEVEL PLUMBING PLAN - DEMOLITION**

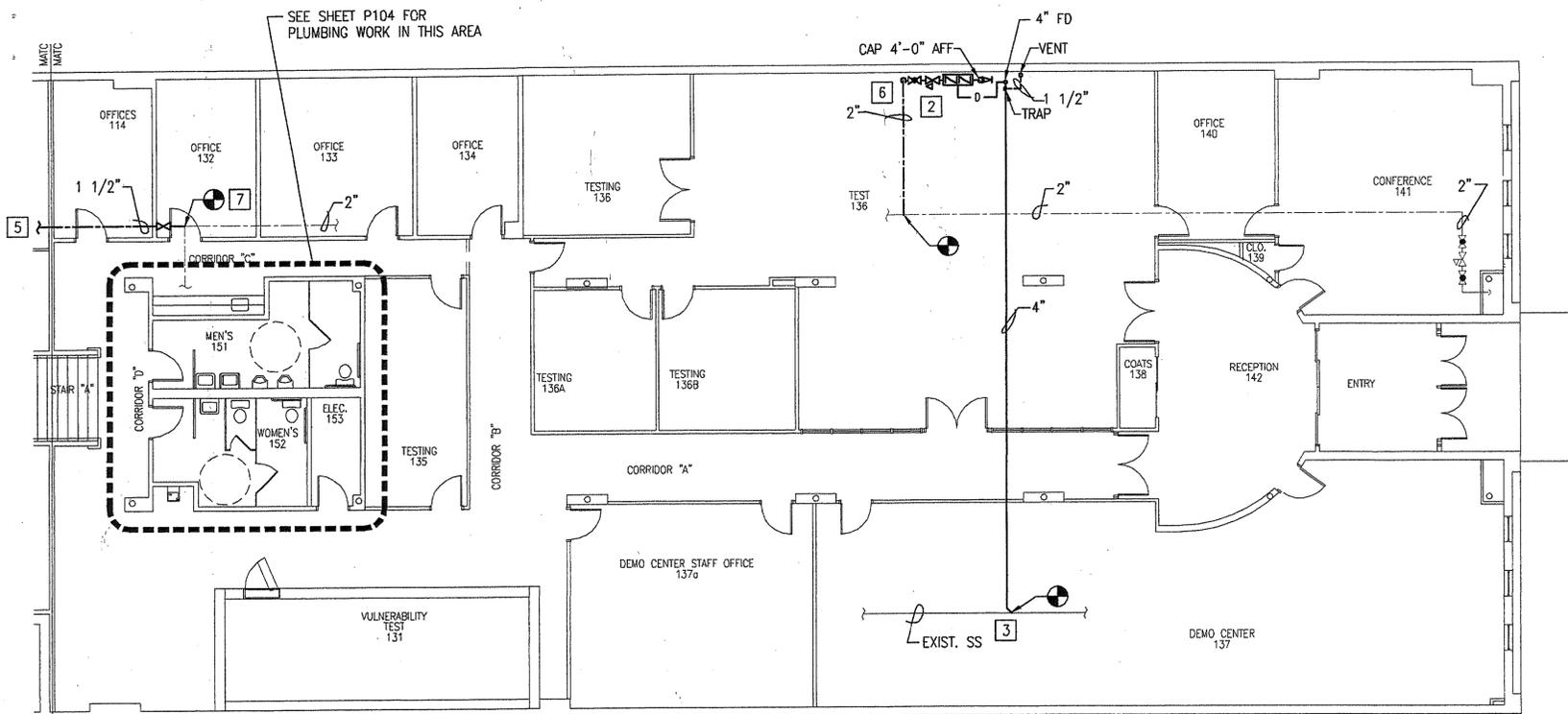
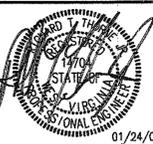
SCALE: 1/8" = 1'-0"

**DEMOLITION NOTES (THIS SHEET ONLY)**

- ① REMOVE EXISTING WATER CLOSET AND FLUSH VALVE. MODIFY WASTE AND WATER ROUGH-IN FOR NEW WORK.
- ② REMOVE URINAL AND FLUSH VALVE. REMOVE SANITARY AND WATER ROUGH-INS TO A POINT WITHIN THE WALL AND CAP.
- ③ REMOVE FIXTURE, FAUCET, AND SUPPLIES. EXISTING ROUGH-IN SHALL REMAIN AND BE MODIFIED AS NECESSARY TO ACCOMMODATE NEW FIXTURES SHOWN ON THE NEW WORK PLAN.
- ④ REMOVE WATER CLOSET AND FLUSH VALVE. REMOVE SANITARY ROUGH-IN TO A POINT BELOW THE FLOOR AND CAP. REMOVE WATER ROUGH-IN TO A POINT ABOVE THE CEILING AND CAP.
- ⑤ REMOVE EXISTING LAVATORY, FAUCETS, AND SUPPLIES. REMOVE SANITARY ROUGH-IN TO A POINT BELOW THE FLOOR AND CAP. REMOVE WATER ROUGH-IN TO A POINT ABOVE THE CEILING AND CAP.
- ⑥ REMOVE EXISTING PIPING TO A POINT ABOVE THE CEILING AND CAP.
- ⑦ REMOVE EXISTING SERVICE SINK AND CAP ROUGH-INS ABOVE THE CEILING OR BELOW THE FLOOR.
- ⑧ REMOVE EXISTING FLOOR DRAIN TO A POINT BELOW THE FINISHED FLOOR. CAP DRAIN PIPE.
- ⑨ REMOVE EXISTING FAUCETS, TRAPS, SUPPLIES AND ALL ROUGH-INS TO A POINT ABOVE THE CEILING OR INTO THE WALL. CAP ALL REMAINING PIPES.
- ⑩ EXISTING TO REMAINING.
- ⑪ REMOVE EXISTING WATER COOLER AND RETURN TO THE OWNER. MODIFY EXISTING ROUGH-INS TO ACCOMMODATE NEW WATER COOLER.
- ⑫ FLOOR CLEAN OUT TO REMAIN. COORDINATE WITH GENERAL CONTRACTOR FOR ACCESS.
- ⑬ EXISTING FLOOR DRAIN TO REMAIN.

**GRAPHIC SCALE**





**FIRST LEVEL PLUMBING PLAN**

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

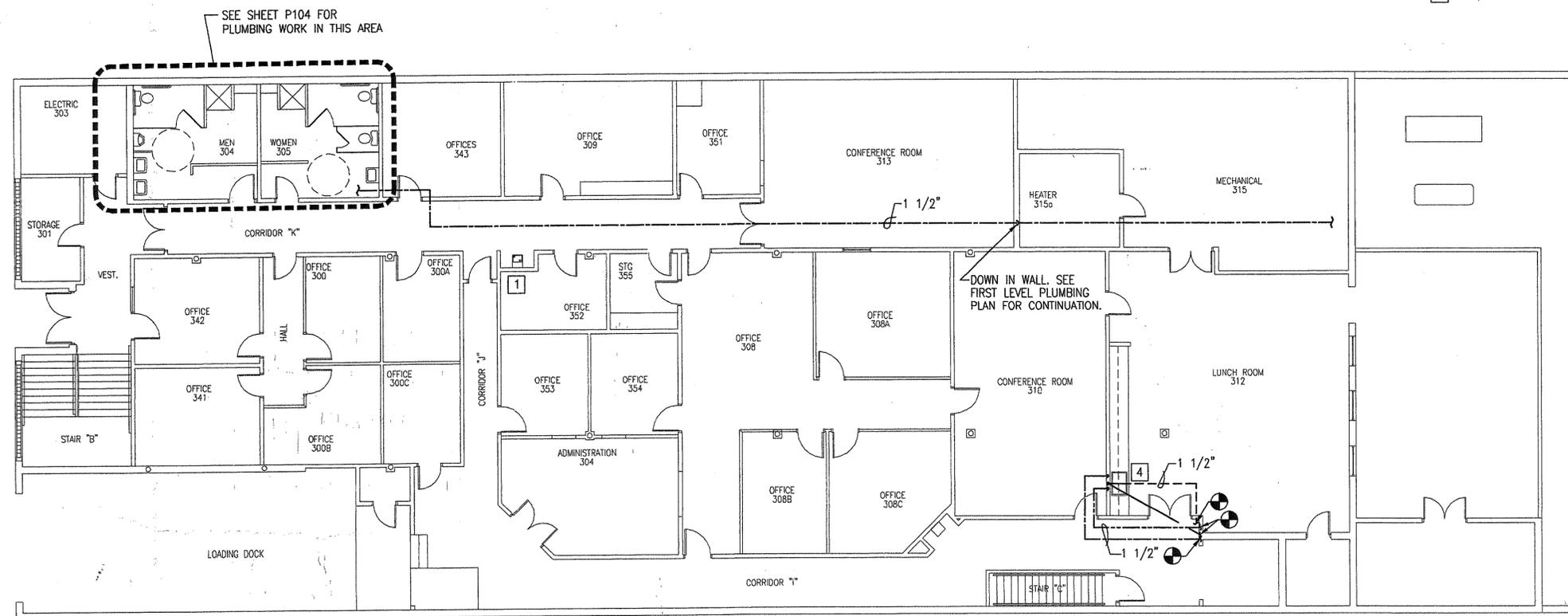
**GENERAL FIRE PROTECTION WORK NOTES:**

- 1) BUILDING IS FULLY SPRINKLED. WHERE NEW PARTITIONS DICTATE, RELOCATE EXISTING AND/OR PROVIDE NEW SPRINKLER HEADS AND PIPING AS REQUIRED FOR THE BUILDING TO BE IN COMPLIANCE WITH ALL CODES.

**WORK NOTES**

(THIS SHEET ONLY)

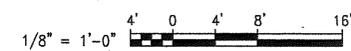
- 1 PROVIDE NEW DF-1. MAKE CONNECTIONS TO EXISTING SANITARY, VENT, AND DOMESTIC COLD WATER ROUGH-INS.
- 2 PROVIDE 2" WATER SUPPLY (10 GPM @ 40 PSI) FROM CITY SUPPLY. PROVIDE BACK FLOW PREVENTER AND GATE VALVE. EXTEND DRAIN LINE FROM BACK FLOW PREVENTER TO NEAREST FLOOR DRAIN. COORDINATE EXACT LOCATION AND REQUIREMENT WITH EQUIPMENT IN FIELD.
- 3 CONNECT 2" SANITARY DRAIN INTO EXISTING SANITARY BELOW FLOOR, SAW CUT FLOOR AS NECESSARY TO INSTALL.
- 4 REINSTALL EXISTING SINK THAT WAS STORED. ROUTE 2" WASTE TO POINT INDICATED AND CONNECT INTO EXISTING 2" SANITARY. ROUTE 1 1/2" VENT AND CONNECT INTO EXISTING 1 1/2" VENT AS INDICATED. ROUTE 1/2" HOT AND COLD WATER AND CONNECT AS INDICATED.
- 5 FOR CONTINUATION SEE THIRD LEVEL PLUMBING PLAN.
- 6 LOCATE BFP ON WALL 36" AFF. PROVIDE FUNNEL AND DRAIN PIPING. ROUTE DRAIN PIPING TO FLOOR DRAIN.
- 7 1 1/2" COLD WATER PIPING CONNECT TO EXISTING 2" BUILDING COLD WATER PIPING.



**THIRD LEVEL PLUMBING PLAN**

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

**GRAPHIC SCALE**

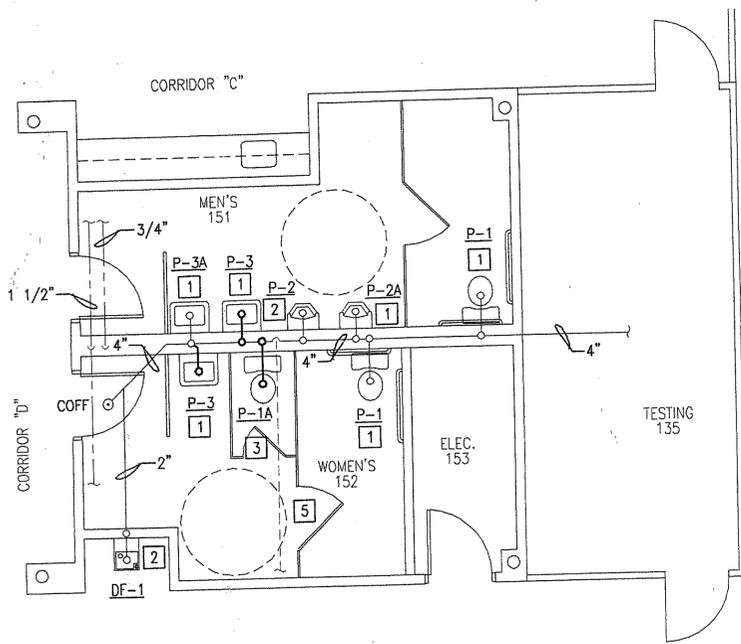


**NEW WORK NOTES**

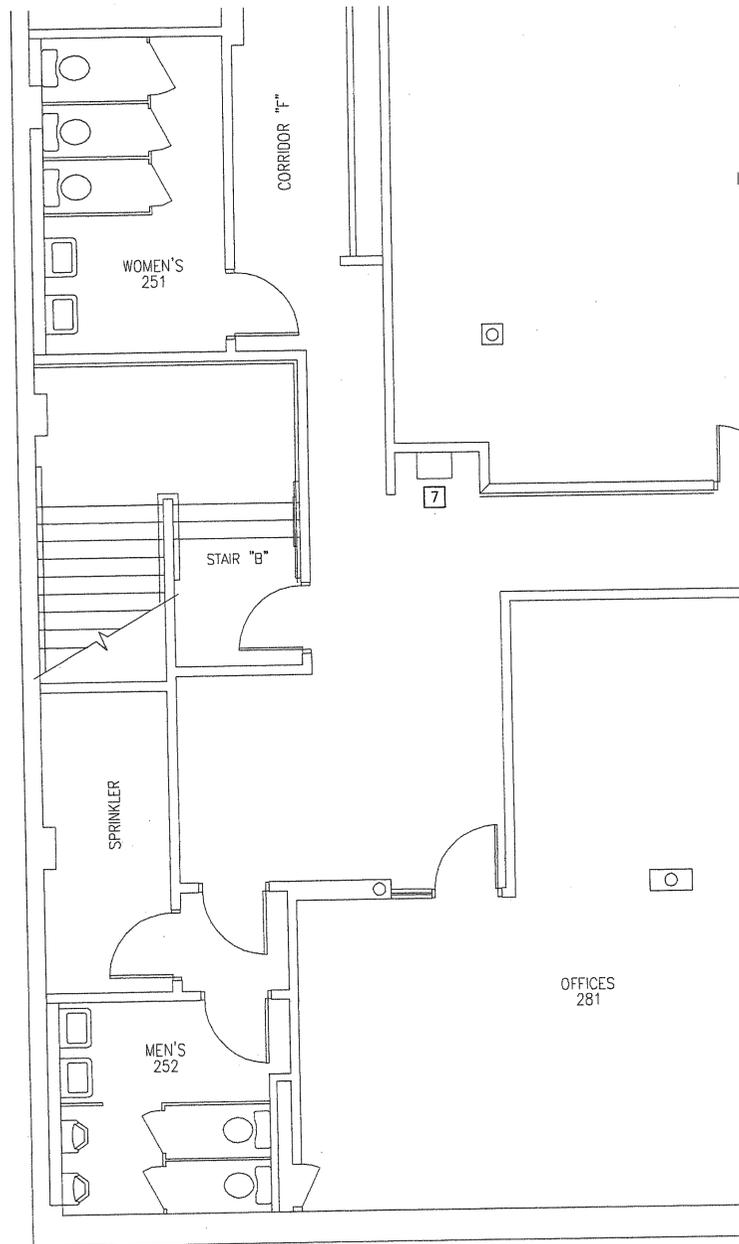
- 1 PROVIDE NEW FIXTURE. MODIFY ROUGH-INS AS REQUIRED TO COMPLY WITH ADA REQUIREMENTS.
- 2 PROVIDE NEW FIXTURE. MODIFY ROUGH-INS AS REQUIRED.
- 3 PROVIDE NEW FIXTURE. PROVIDE NEW ROUGH-IN AS REQUIRED.
- 4 VERIFY LOCATION OF NEAREST 3" VENT THRU ROOF AND MAKE CONNECTION TO IT.
- 5 EXISTING 3" VENT TO REMAIN. PROVIDE NEW VENTS WHERE NECESSARY AND CONNECT INTO EXISTING 3" VENT.
- 6 PROVIDE NEW FIXTURE. PROVIDE NEW ROUGH-IN. PROVIDE WASTE, VENT, HOT AND COLD WATER AS INDICATED.
- 7 REINSTALL WATER COOLER REMOVED FROM THE FIRST FLOOR. CONNECT TO EXISTING WATER SUPPLY AND WASTE AS REQUIRED.
- 8 EXTEND NEW 4" DRAIN LINE AS NECESSARY TO MAKE CONNECTION INTO EXISTING 4" LINE.

**PLUMBING FIXTURE CONNECTION SCHEDULE AND SPECIFICATIONS**

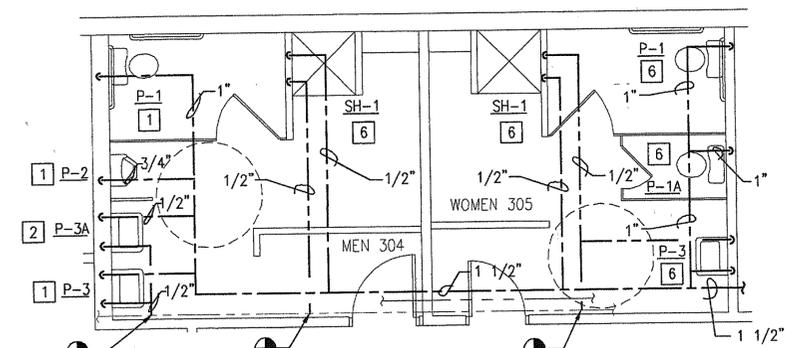
MARK	DESCRIPTION	DRAIN	VENT	C.W.	H.W.	FIXTURE SPECIFICATIONS
P-1	WATER CLOSET - HC	4"	2"	1 1/4"	-	VITREOUS CHINA, FLOOR MOUNTED, ELONGATED BOWL, FLUSH VALVE, SIPHON JET, SOLID PLASTIC OPEN FRONT SEAT FOR ELONGATED BOWL. COLOR AS SELECTED BY ARCHITECT, ADA COMPLIANT.
P-1A	WATER CLOSET	4"	2"	1 1/4"	-	VITREOUS CHINA, FLOOR MOUNTED, ELONGATED BOWL, FLUSH VALVE, SIPHON JET, SOLID PLASTIC OPEN FRONT SEAT FOR ELONGATED BOWL. COLOR AS SELECTED BY ARCHITECT.
P-2	URINAL - HC	3"	1 1/2"	1 1/4"	-	VITREOUS CHINA, WATER SAVER, WALL HUNG, INTEGRAL FLUSHING RIM AND TRAP CHROME PLATED FLUSH VALVE, SUPPORT ACCESSORIES, ADA COMPLIANT.
P-2A	URINAL	3"	1 1/2"	1 1/4"	-	VITREOUS CHINA, WATER SAVER, WALL HUNG, INTEGRAL FLUSHING RIM AND TRAP CHROME PLATED FLUSH VALVE, SUPPORT ACCESSORIES.
P-3	LAVATORY - HC	1 1/2"	1 1/2"	1 1/2"	1 1/2"	VITREOUS CHINA, WITH 4" BACK, 20" x 18" WITH 4" CENTERS, CAST GRID DRAIN WITH PERFORATED STRAINER, 1 1/4" OD TAILPIECE, CAST BRASS FAUCET WITH AERATOR, CHROME FINISH, SUPPORT ACCESSORIES INSULATE TRAP AND SUPPLIES, ADA COMPLIANT.
P-3A	LAVATORY	1 1/2"	1 1/2"	1 1/2"	1 1/2"	VITREOUS CHINA, WITH 4" BACK, 20" x 18" WITH 4" CENTERS, CAST GRID DRAIN WITH PERFORATED STRAINER, 1 1/4" OD TAILPIECE, CAST BRASS FAUCET WITH AERATOR, CHROME FINISH, SUPPORT ACCESSORIES INSULATE TRAP AND SUPPLIES.
DF-1	ELECTRIC WATER COOLER - HC	1 1/2"	1 1/2"	1 1/2"	-	BARRIER FREE, 115V/1 PHASE, 1/5 HP COMPRESSOR, 90° AMBIENT TEMPERATURE, 50°F DRINKING WATER TEMPERATURE REQUIRED MOUNTING HARDWARE, ADA COMPLIANT.
SH-1	SHOWER	3"	1 1/2"	1 1/2"	1 1/2"	302 STAINLESS PRESSURE BALANCE SPOOL TO MAINTAIN 30°F SETTING, INTEGRAL CHECK STOP, TEMPERATURE ADJUSTMENT STOP, LEVER HANDLE, SHOWER DRAIN.
FD-1	FLOOR DRAIN	3"	1 1/2"	-	-	FLOOR DRAINS SHALL BE ANSI A112.21.1; LACQUERED CAST IRON TWO PIECE BODY WITH DOUBLE DRAINAGE FLANGE, WEEP HOLES, AND ROUND ADJUSTABLE NICKEL-BRONZE STRAINER.



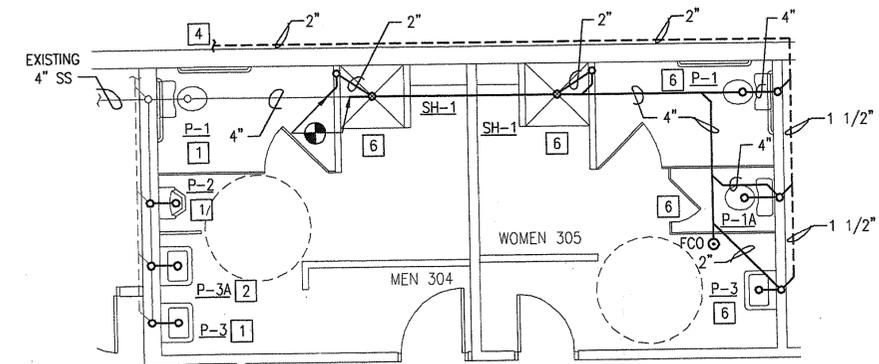
**FIRST LEVEL PLUMBING PARTIAL PLAN - NEW WORK**  
SCALE: 1/4" = 1'-0"



**SECOND LEVEL PLUMBING PARTIAL PLAN - NEW WORK**  
SCALE: 1/4" = 1'-0"

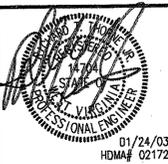
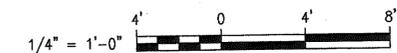


**THIRD LEVEL PARTIAL WATER PLAN - NEW WORK**  
SCALE: 1/4" = 1'-0"



**THIRD LEVEL PARTIAL WASTE PLAN - NEW WORK**  
SCALE: 1/4" = 1'-0"

**GRAPHIC SCALE**



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**PLUMBING  
NEW WORK  
ENLARGED PLANS**

**RENOVATIONS  
TO THE  
FORMER CNG OFFICES COMPLEX  
CLARKSBURG, WEST VIRGINIA**

DRAWN BY: WPH  
CHECKED BY: RTT  
DATE: 01/24/03  
REVISED:  
FILE: 007204C010

SHEET NUMBER

**P104**



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HDM  
HDM# 02172  
01/24/03

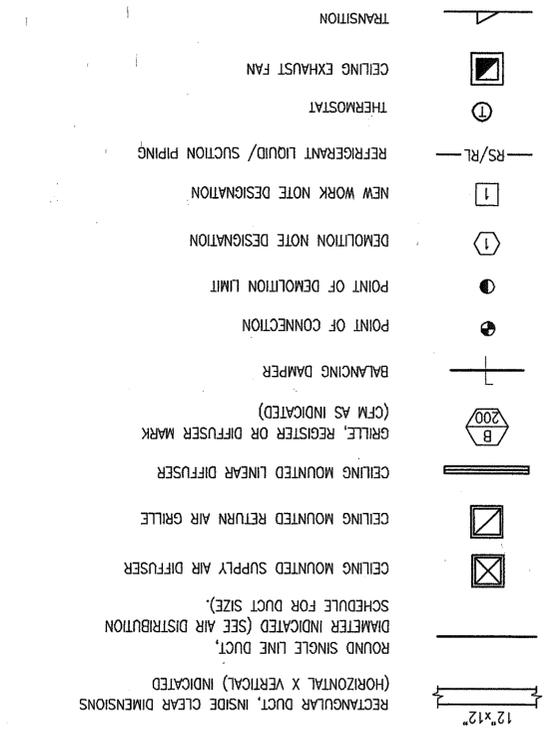
### FIRST & SECOND LEVEL MECHANICAL DEMOLITION PLANS

### RENOVATIONS TO THE FORMER CNG OFFICES COMPLEX CLARKSBURG, WEST VIRGINIA

### M101 SHEET NUMBER

DRAWN BY: BMF  
CHECKED BY: RTT  
DATE: 01/24/03  
REVISED:  
FILE: 012403

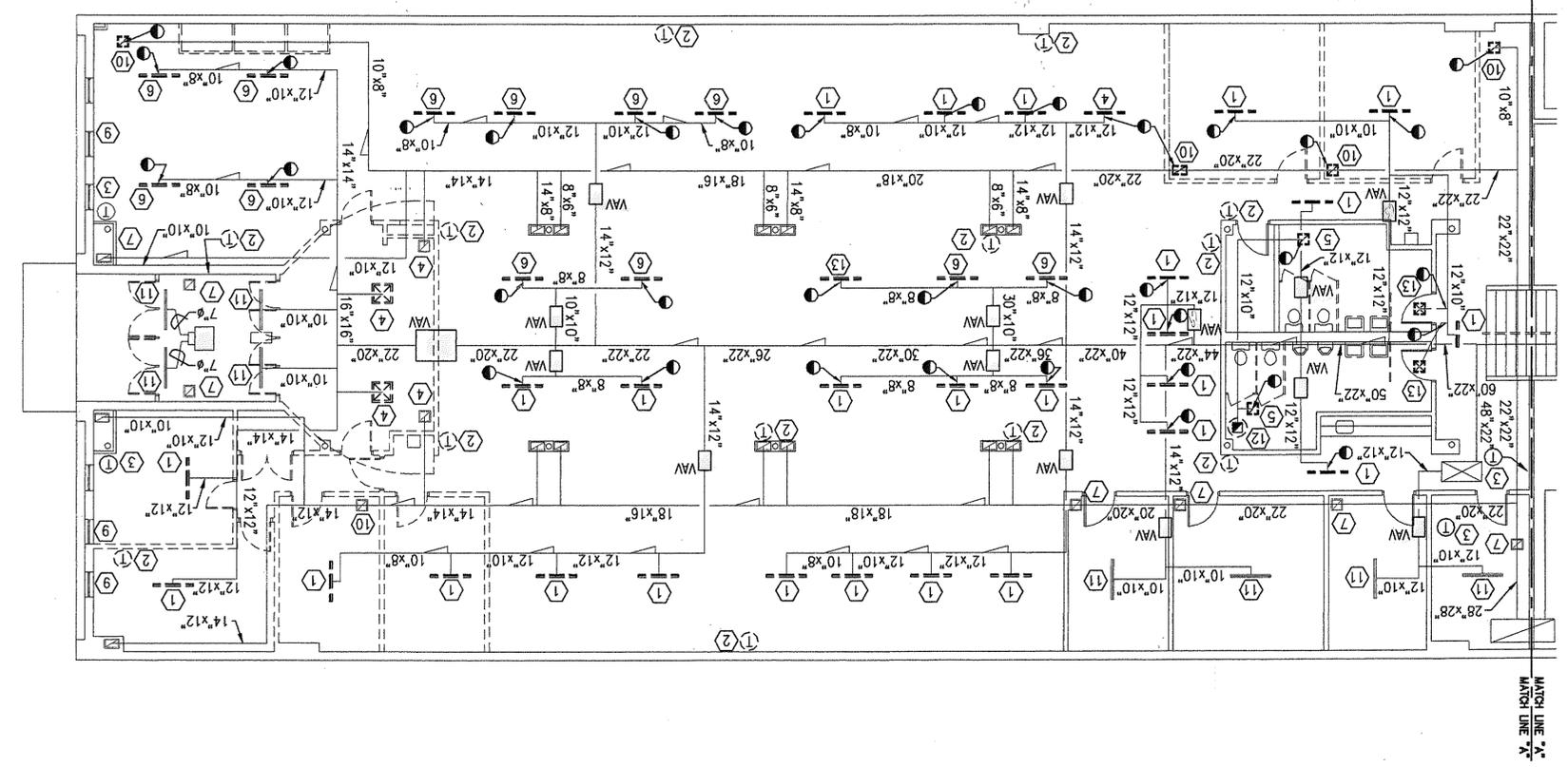
- LEGEND NOTES:
1. ALL DASHED SYMBOLS INDICATE DEVICES AND EQUIPMENT TO BE REMOVED OR RELOCATED.
  2. ALL DARK AND SOLID SYMBOLS INDICATE DEVICES AND EQUIPMENT AS NEW WORK.
  3. ALL LIGHT AND SOLID SYMBOLS INDICATE DEVICES AND EQUIPMENT THAT ARE EXISTING.



### DEMOLITION NOTES

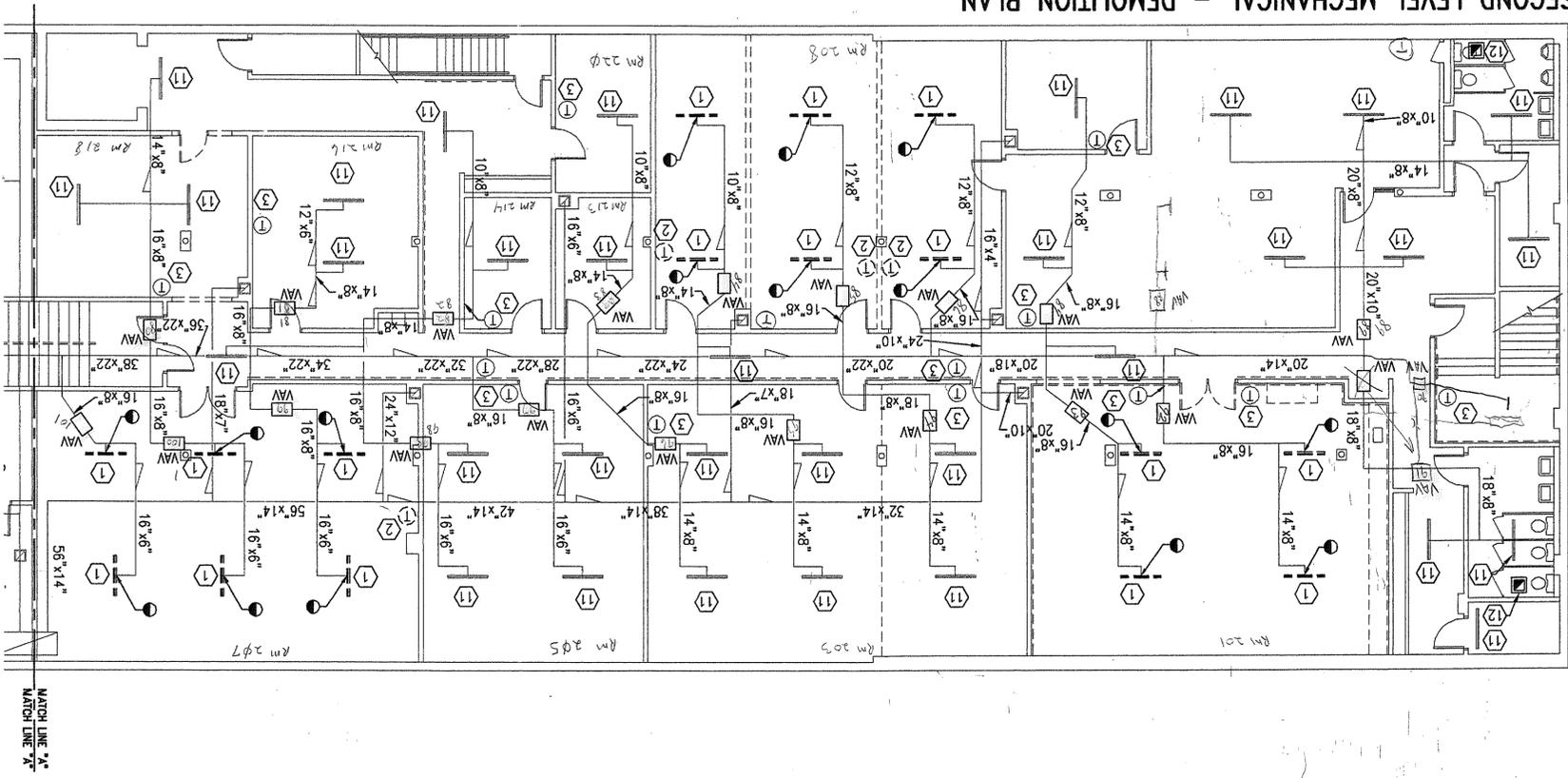
- (THIS SHEET ONLY)
- 1 REMOVE EXISTING CEILING DEVICES, IN AREAS WHERE CEILING ARE TO BE DEMOLISHED, AND SUPPORT THEM FROM THE OVERHEAD OUT OF THE WAY OF THE CEILING REMOVAL AND THE NEW CEILING INSTALLATION. CEILING DEVICES WILL BE REINSTALLED WHERE SHOWN ON NEW WORK PLAN.
  - 2 REMOVE EXISTING THERMOSTAT AND ALL CONNECTED DEVICES. PROTECT FOR REINSTALLATION OUT OF THE WAY OF DEMOLITION AND NEW CONSTRUCTION.
  - 3 COVER EXISTING THERMOSTAT IN SUCH A MANNER AS TO PROTECT IT FROM DAMAGE DURING DEMOLITION AND NEW CONSTRUCTION.
  - 4 REMOVE AND DISPOSE OF EXISTING CEILING DIFFUSER OR RETURN REGISTER AND FLEXIBLE DUCT.
  - 5 REINSTALLATION.
  - 6 REMOVE AND DISPOSE OF EXISTING LINEAR DIFFUSERS. REMOVE DUCTWORK TO POINT INDICATED.
  - 7 EXISTING CEILING RETURN REGISTER TO REMAIN.
  - 8 REMOVE EXISTING CEILING GRILLE. STORE FOR REINSTALLATION.
  - 9 EXISTING FIN TUBE RADIATION SHALL REMAIN.
  - 10 REMOVE EXISTING RETURN REGISTER AND STORE FOR REINSTALLATION AFTER NEW CEILING HAS BEEN INSTALLED.
  - 11 EXISTING SLOT DIFFUSER SHALL REMAIN.
  - 12 EXISTING TOILET EXHAUST FAN SHALL REMAIN.
  - 13 REMOVE AND DISPOSE OF EXISTING CEILING DEVICE AND FLEXIBLE DUCT. CAP TRUNK DUCT.

### GRAPHIC SCALE



### FIRST LEVEL MECHANICAL - DEMOLITION PLAN

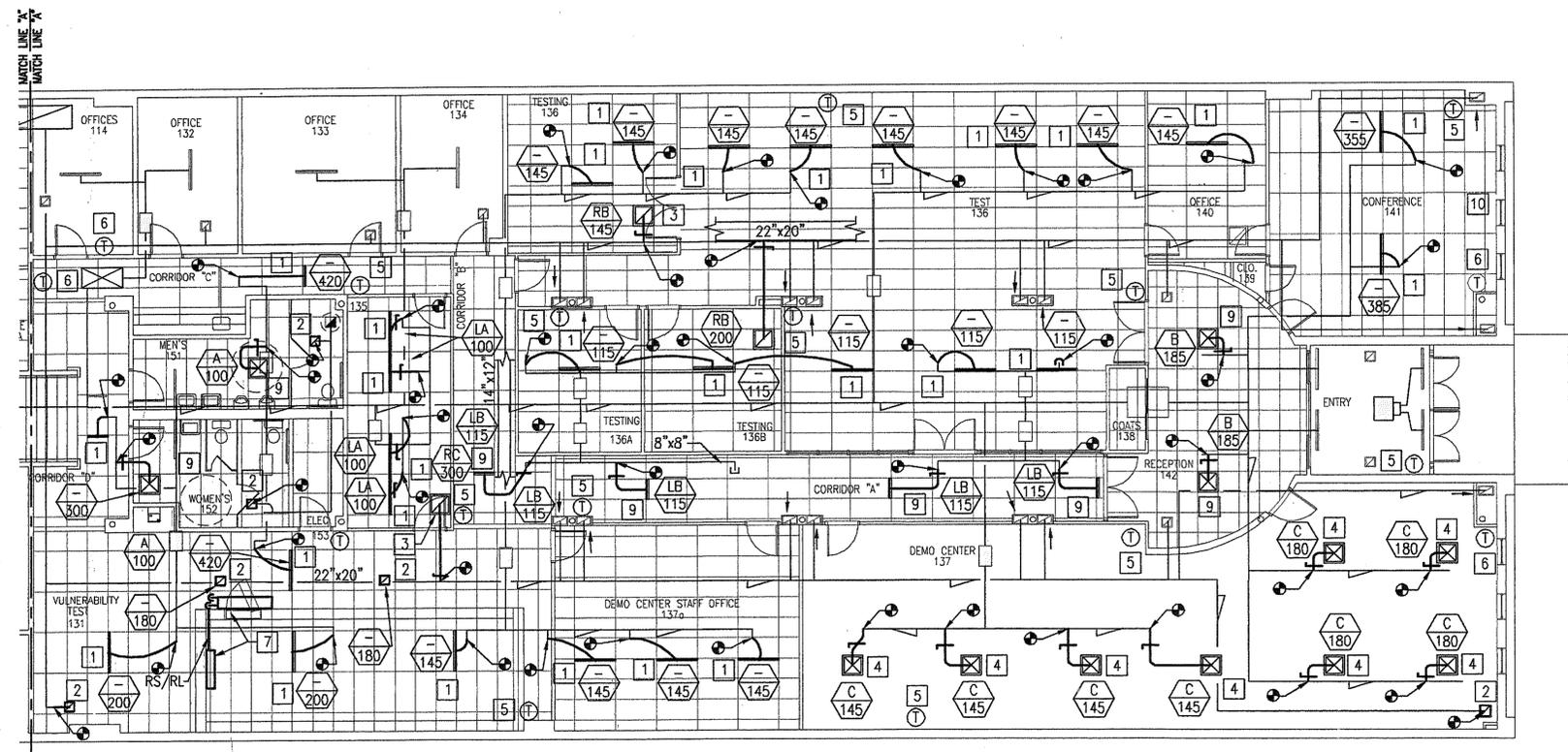
SCALE: 1/8" = 1'-0"



### SECOND LEVEL MECHANICAL - DEMOLITION PLAN

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



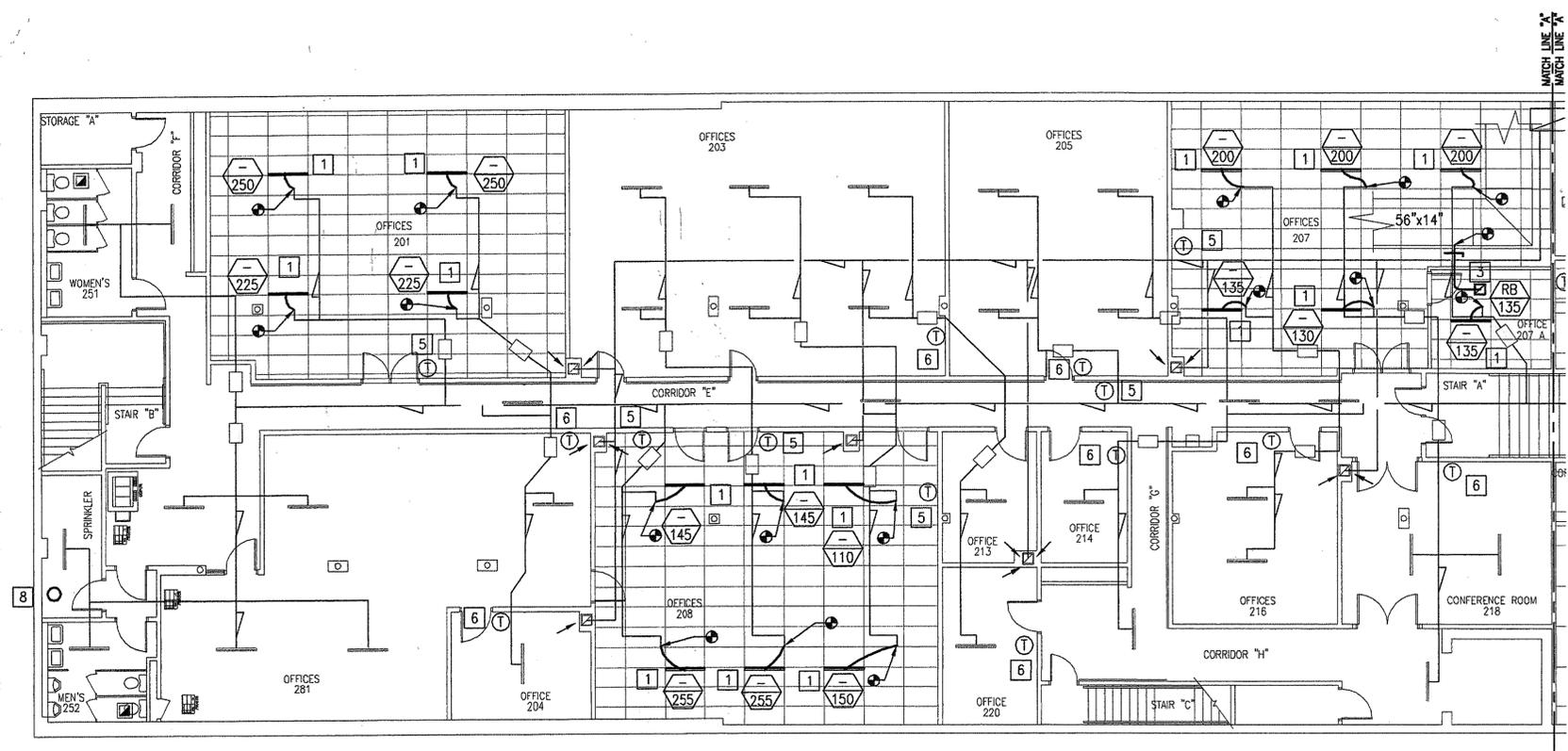


**FIRST LEVEL MECHANICAL - NEW WORK PLAN**

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

**NEW WORK NOTES** (THIS SHEET ONLY)

- 1 REINSTALL EXISTING LINEAR DIFFUSER AT POSITION INDICATED. ADJUST INSULATED FLEXIBLE DUCT AS REQUIRED TO ACCOMMODATE NEW LOCATION. BALANCE AIR FLOW AS INDICATED.
- 2 INSTALL EXISTING CEILING DEVICES WHERE INDICATED. PROVIDE ADDITIONAL INSULATED FLEXIBLE DUCT AS NECESSARY TO REACH NEW LOCATION.
- 3 PROVIDE NEW RETURN AIR REGISTER AS SCHEDULED. PROVIDE NEW DUCTWORK AS REQUIRED.
- 4 PROVIDE NEW CEILING DIFFUSER AS SCHEDULED. PROVIDE NEW METAL DUCT RUNOUT & TAP AS INDICATED.
- 5 VERIFY SYSTEM SERVED BY THERMOSTAT. INSTALL THERMOSTAT IN A LOCATION SERVED BY EQUIPMENT CONTROLLED BY THERMOSTAT.
- 6 REMOVE PROTECTIVE COVERING FROM EXISTING THERMOSTAT. VERIFY OPERATING CONDITION. MAKE REPAIRS AS NECESSARY.
- 7 THE OWNER WILL PROVIDE TO THE MECHANICAL CONTRACTOR A DUCT-LESS SPLIT SYSTEM FOR INSTALLATION. MECHANICAL CONTRACTOR SHALL INSTALL IN LOCATION INDICATED. PROVIDE THE REQUIRED COMPONENTS FOR A COMPLETE AND OPERATIONAL SYSTEM. COORDINATE WITH OWNER. INSTALL CONDENSING UNIT ON FIRST FLOOR ROOF. MOUNT UNIT ON 2- PRESSURE TREATED 4" x 4" MINIMUM OF 4'-0" LONG.
- 8 SPRINKLER RISER.
- 9 PROVIDE NEW CEILING DEVICE AS SCHEDULED. PROVIDE NEW DUCT RUNOUT AND TAP.
- 10 PROVIDE FILLER PANEL TO CONNECT TWO EXISTING FIN-TUNE RADIATION ENCLOSURES. PAINT FILLER TO MATCH EXISTING ENCLOSURES.



**SECOND LEVEL MECHANICAL - NEW WORK PLAN**

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



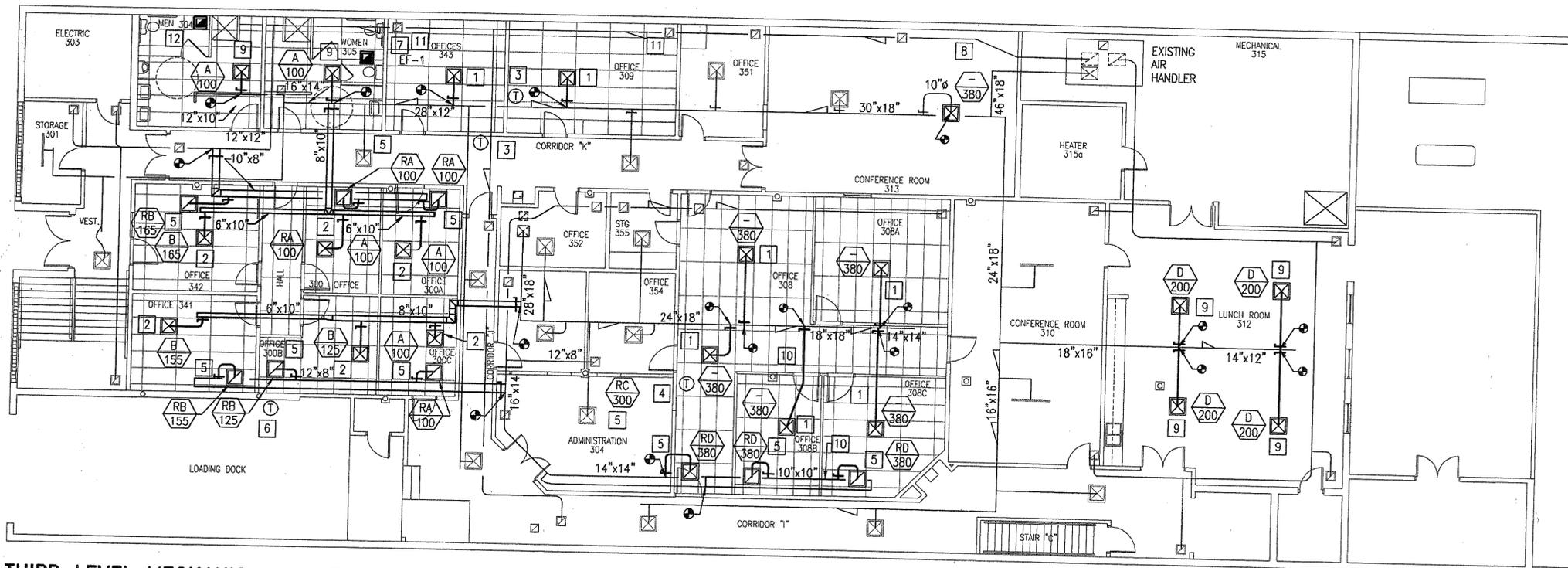
**FIRST & SECOND LEVEL  
MECHANICAL  
NEW WORK PLANS**

**RENOVATIONS  
TO THE  
FORMER CNG OFFICES COMPLEX  
CLARKSBURG, WEST VIRGINIA**

DRAWN BY: BMF  
 CHECKED BY: RTT  
 DATE: 01/24/03  
 REVISED:  
 FILE: 02172/03/03

SHEET NUMBER

**M103**



**THIRD LEVEL MECHANICAL - NEW WORK PLAN**

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

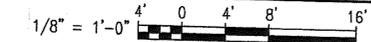
**NEW WORK NOTES**

(THIS SHEET ONLY)

- 1 INSTALL EXISTING CEILING DIFFUSER WHERE INDICATED. PROVIDE ADDITIONAL INSULATED FLEXIBLE DUCT IF NECESSARY TO REACH NEW LOCATION. BALANCE AIR AS INDICATED.
- 2 PROVIDE NEW CEILING DIFFUSER AND ASSOCIATED DUCTWORK AS SCHEDULED.
- 3 REMOVE PROTECTIVE COVERING FROM EXISTING THERMOSTAT. VERIFY OPERATING CONDITION. MAKE REPAIRS AS NECESSARY.
- 4 INSTALL THERMOSTAT AT A LOCATION THAT IS SERVED BY THE EQUIPMENT CONTROLLED BY THIS THERMOSTAT.
- 5 PROVIDE NEW RETURN AIR REGISTER AS SCHEDULED. PROVIDE NEW DUCTWORK AS REQUIRED.
- 6 EXISTING THERMOSTAT THAT CONTROLS EXISTING UNIT HEATER.
- 7 PROVIDE NEW CEILING EXHAUST FAN EF-1. MAKE CONNECTION TO EXISTING ROOF CAP. TRANSITION AS REQUIRED. START-STOP FROM EXISTING BUILDING CONTROL SYSTEM.
- 8 PROVIDE NEW CEILING DIFFUSER TO MATCH EXISTING CEILING DIFFUSER.
- 9 PROVIDE NEW CEILING DIFFUSER AND NEW FLEXIBLE RUN OUTS AS SCHEDULED.
- 10 RETURN DUCT INSULATION SHALL BE 1" FLEXIBLE GLASS FIBER, 1.5 LB/CU FT MINIMUM DENSITY, COATED ON AIR SIDE FOR MAXIMUM 4,000 FT/MIN AIR VELOCITY. ADHERE INSULATION TO DUCT WITH ADHESIVE FOR 100 PERCENT COVERAGE. SECURE INSULATION WITH MECHANICAL FASTENERS ON 15 INCH CENTERS. SEAL PENETRATIONS WITH VAPOR BARRIER ADHESIVE. DUCT DIMENSIONS INDICATED ARE NET INSIDE DIMENSIONS.
- 11 REINSTALL EXISTING RETURN AIR REGISTER.
- 12 REINSTALL EXISTING CEILING EXHAUST FAN.



**GRAPHIC SCALE**





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MECHANICAL  
SCHEDULES

RENOVATIONS  
TO THE  
FORMER CNG OFFICES COMPLEX  
CLARKSBURG, WEST VIRGINIA

SHEET NUMBER  
**M501**

DRAWN BY: BMF  
CHECKED BY: RTT  
DATE: 01/24/03  
REVISED:  
FILE: 02/2003

MARK	TYPE	CFM	E.S.P. in. wg	MAX RPM	HP (WATS)	VOLTS/PHASE	REMARKS
EF-1	CEILING EXHAUSTER	150	0.125	1050	(80)	115/1	TOILET EXHAUST FAN

MARK.	SERVICE	(MAX.) C.F.M.	GRILLE SIZE	RUN OUT	REMARKS/NOTES
A	SUPPLY AIR	100	6" x 6"	6" ø	CEILING DIFFUSER
B	SUPPLY AIR	200	9" x 9"	8" ø	CEILING DIFFUSER
C	SUPPLY AIR	200	24" x 24"	8" ø	CEILING DIFFUSERS WITH PATTERN CONTROLLER VANES FOR INSTALLATION WITH IN CEILING
D	SUPPLY AIR	300	24" x 24"	10" ø	CEILING DIFFUSER
LA	SUPPLY AIR	100	48" LONG	6" ø	2 SLOT LINEAR CEILING DIFFUSER NOTE #1
LB	SUPPLY AIR	200	24" LONG	8" ø	2 SLOT LINEAR CEILING DIFFUSER NOTE #1
RA	RETURN AIR	100	6" x 6"	6" ø	EGGRATE CEILING RETURN
RB	RETURN AIR	200	8" x 8"	8" x 8"	EGGRATE CEILING RETURN
RC	RETURN AIR	300	10" x 10"	10" x 10"	EGGRATE CEILING RETURN
RD	RETURN AIR	450	12" x 12"	12" x 12"	EGGRATE CEILING RETURN

NOTES  
1. PROVIDE WITH DIFFUSER PLENUM.

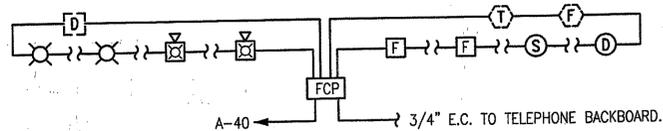
EXHAUST FAN SCHEDULE

AIR DISTRIBUTION SCHEDULE

## LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NO.	LAMPS		VOLTAGE	WATTS FIXTURE	BALLAST		MOUNTING	DESCRIPTION	NOTES
			NO.	TYPE			NO.	TYPE			
A	LITHONIA	2PM3NGB33218LS120GEB	3	F32T8	120	95	2	ELECTRONIC	LAY-IN	2'x4' 18 CELL PARABOLIC	①②
B	LITHONIA	2SPG432FWA12120GEB	4	F32T8	120	124	1	ELECTRONIC	LAY-IN	2'x4' ACRYLIC LENSE	②
C	LITHONIA	2SPG332FWA12120GEB	3	F32T8	120	95	2	ELECTRONIC	LAY-IN	2'x4' ACRYLIC LENSE	①②
D	LITHONIA	SPG232FWA12120GEB	2	F32T8	120	65	1	ELECTRONIC	LAY-IN	2'x4' ACRYLIC LENSE	②
E	LITHONIA	WS232A12120	2	F32T8	120	65	1	ELECTRONIC	WALL	4' STEEL WALL BRACKET	
F	LITHONIA	WS217A12120	2	F17T8	120	35	1	ELECTRONIC	WALL	2' STEEL WALL BRACKET	
G	LITHONIA	AF232TRT8CB120	2	F32TRT	120	65	1	ELECTRONIC	RECESSED	CROSS-BAFFLE DOWNLIGHT	②
H	LITHONIA	AF232TRT8CB120DMHL	2	F32TRT	120	65	1	ELECTRONIC	RECESSED	CROSS-BAFFLE DOWNLIGHT	③
J	LITHONIA	A7AR	1	150WA21	120	150	-	-	RECESSED	INCANDESCENT DOWNLIGHT	
K	GARDCO	440SW1175MH120	1	175W MH	120	200	1	ELECTRONIC	WALL	FASCIA WASH	④
X1	LITHONIA	LQMSW3R120/277ELN		LED	120	3			UNIVERSAL	LED EXIT SIGN	
X2	LITHONIA	LRPLED1CR120/277ELN		LED	120	3			UNIVERSAL	ARCH LED EXIT SIGN SINGLE FACE	
X3	LITHONIA	LRPLED2RMR120/277ELN		LED	120	3			UNIVERSAL	ARCH LED EXIT SIGN DOUBLE FACE	

- NOTES:
- PROVIDE 2 BALLAST WHERE INBOARD AND OUTBOARD SWITCHING IS INDICATED.
  - PROVIDE EMERGENCY BATTERY PACK CAPABLE OF POWERING TWO LAMPS WHEN INDICATED.
  - PROVIDE FIXTURE WITH DIMMING BALLAST.
  - COLOR SHALL BE SELECTED BY ARCHITECT FROM MANUFACTURER STANDARDS.

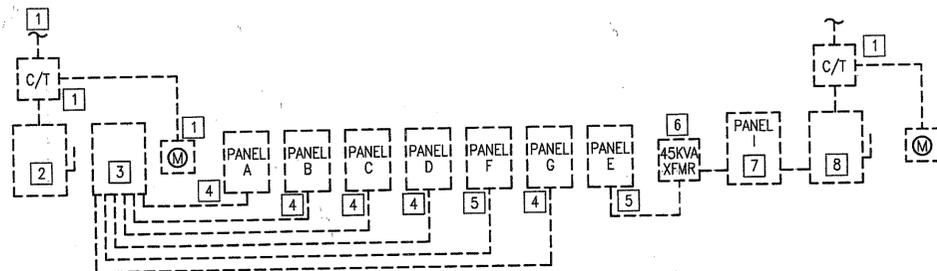


### FIRE ALARM RISER DIAGRAM

NO SCALE

### FIRE ALARM RISER DIAGRAM NOTES

- PROVIDE WIRING PER MANUFACTURERS INSTRUCTIONS.
- SEE ELECTRICAL DRAWINGS FOR LOCATION AND NUMBER OF DEVICES. THE DRAWINGS INDICATE THE SUGGESTED LOCATIONS FOR INITIATING, NOTIFICATION, AND OTHER MISCELLANEOUS DEVICES INDIRECTLY CONNECTED TO THE FIRE ALARM SYSTEM. MISCELLANEOUS REQUIREMENTS ARE FOR THE GENERAL INFORMATION OF THE CONTRACTOR. EXACT LOCATIONS, INSTALLATION, AND CONNECTIONS SHALL BE PER FIRE ALARM MANUFACTURERS INSTRUCTIONS AND DIRECTIONS FOR A COMPLETED SYSTEM. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, PULL BOXES, JUNCTION BOXES, AND MISCELLANEOUS REQUIREMENTS AS REQUIRED BY FIRE ALARM EQUIPMENT SUPPLIER.
- TROUBLE SIGNAL RESPONSE PROGRAMMING, ETC. SHALL BE AS PER OWNER INSTRUCTION.
- CONTRACTOR SHALL PROVIDE INTERFACE MODULE AND ADDRESSABLE ID NET FOR EXISTING FIRE ALARM DEVICES THAT REMAIN.



### POWER RISER DIAGRAM - EXISTING CONDITION

NO SCALE

### POWER RISER DIAGRAM NOTES - EXISTING CONDITION

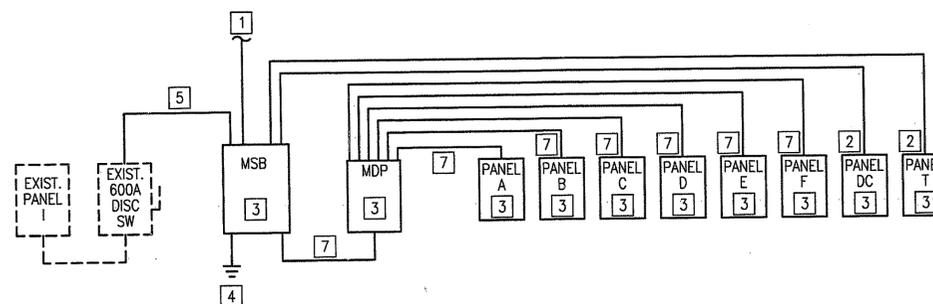
- REMOVE EXISTING ELECTRICAL SERVICE WITH ASSOCIATED C/T AND METER. COORDINATE WITH LOCAL POWER COMPANY.
- REMOVE EXISTING 600A MAIN DISCONNECT SWITCH WITH ASSOCIATED CONDUIT AND WIRING.
- REMOVE EXISTING 600A MDP WITH ASSOCIATED CONDUIT AND WIRING.
- REMOVE EXISTING 200A, MCB, 120/240V, 1Ø PANEL WITH ASSOCIATED BRANCH CIRCUITS AND FEEDER. SEE FLOOR PLANS FOR LOCATION.
- REMOVE EXISTING 100A, MCB, 120/240V, 1Ø PANEL WITH ASSOCIATED BRANCH CIRCUITS AND FEEDER. SEE FLOOR PLANS FOR LOCATION.
- EXISTING XFMR. TO REMAIN.
- EXISTING 600A, 240V, 3Ø, 3W PANEL TO REMAIN.
- EXISTING 600A MAIN DISCONNECT SWITCH TO REMAIN.

## LEGEND

### LEGEND NOTES:

- CAPITAL LETTER BESIDE FIXTURE SYMBOL DENOTES FIXTURE TYPE WITH REFERENCE TO FIXTURE SCHEDULE.
- SUBSCRIPT LOWERCASE LETTER BESIDE SYMBOL IS SWITCH-FIXTURE RELATIONSHIP.
- MOUNTING HEIGHTS GIVEN BELOW SHALL BE FOLLOWED UNLESS NOTED ON THE FLOOR PLANS, SCHEDULES OR SHOWN DIFFERENT IN THE ARCHITECTURAL ELEVATIONS.
- "NL" NEXT TO ANY FIXTURE INDICATES FIXTURE IS NOT SWITCHED.
- ALL DASHED SYMBOLS ON DRAWINGS INDICATE EXISTING DEVICES AND EQUIPMENT UNLESS OTHERWISE NOTED.

	CEILING MOUNTED LIGHTING FIXTURE. SEE LIGHTING FIXTURE SCHEDULE.		TELEPHONE TERMINAL BACKBOARD
	WALL MOUNTED LIGHTING FIXTURE		WALL DATA/TELEPHONE OUTLET, 4" SQUARE BOX WITH COVER. MOUNT 18" AFF. PROVIDE 3/4" CONDUIT WITH PULLWIRE TO ABOVE CEILING. "W" INDICATES 54" AFF.
	SPOT OR FLOODLIGHT		FLUSH FLOOR DATA/TELEPHONE OUTLET. PROVIDE 3/4" CONDUIT WITH PULLWIRE TO ABOVE CEILING.
	EXIT LIGHT, ARROW INDICATES DIRECTION, TWO ARROWS INDICATE DOUBLE FACE. CONNECT AHEAD OF SWITCH.		DISCONNECT SWITCH FUSIBLE OR NON-FUSIBLE, 600V, 3 POLE SWITCH & FUSE (IF ANY) AS NOTED.
	LIGHTING FIXTURE WITH EMERGENCY BATTERY PACK POWERING TWO LAMPS. CONNECT AHEAD OF SWITCH.		TRANSFORMER, KVA AS NOTED
	BATTERY POWERED EMERGENCY LIGHT UNIT, MOUNT 90" AFF. CONNECT AHEAD OF SWITCH.		PANELBOARD - SEE SCHEDULE
	SINGLE POLE SWITCH - 20A, 48" AFF, SUBSCRIPT INDICATES SPECIFIC SWITCHING		PUSHBUTTON STATION
	THREE WAY SWITCH - 20A, 48" AFF.		TV OUTLET BOX WITH JACK
	FOUR WAY SWITCH - 20A, 48" AFF.		SPECIAL PURPOSE RECEPTACLE. COORDINATE RATING AND NEMA TYPE WITH EQUIPMENT.
	DIMMER SWITCH, 1000W, 120V, 48" AFF.		MANUAL PULL STATION. 54" AFF.
	SWITCH BANK		BELL, 90" AFF.
	MOTOR RATED SWITCH WITH OVERLOADS.		HORN WITH VISUAL INDICATION, 90" AFF.
	DUPLEX CONVENIENCE RECEPTACLE - 20A, 125 VOLTS, 3 WIRE GROUNDING TYPE +18" EXCEPT AS NOTED.		STROBE, 90" AFF. 30 CANDELA.
	GROUND FAULT INTERRUPTING DUPLEX CONVENIENCE RECEPTACLE - 20A, 125 VOLT, 3 WIRE GROUNDING TYPE. 18" AFF. EXCEPT AS NOTED. "WP" INDICATES WEATHERPROOF.		FIRE ALARM CONTROL PANEL (FCP)
	TWO DUPLEX CONVENIENCE RECEPTACLES MOUNTED IN A TWO - GANG OUTLET BOX. EACH RATED 20A, 125 VOLT WITH SINGLE COVER PLATE.		FIRE ALARM REMOTE ANNUNCIATOR
	FLUSH FLOOR BOX WITH DUPLEX CONVENIENCE RECEPTACLE - 20A, 125 VOLTS, 2 POLE, 3 WIRE, GROUNDING TYPE.		SMOKE DETECTOR, CEILING MOUNTED.
	WIREMOLD		HEAT DETECTOR, CEILING MOUNTED.
	EQUIPMENT CONNECTION		AIR DUCT DETECTOR, SURFACE MOUNTED
			SPRINKLER FLOW SWITCH
			SPRINKLER TAMPER DETECTOR
			MAGNETIC DOOR HOLDER



### POWER RISER DIAGRAM - NEW WORK

NO SCALE

### POWER RISER DIAGRAM NOTES - NEW WORK

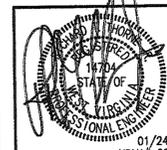
- OVERHEAD ELECTRICAL SERVICE. COORDINATE WITH LOCAL POWER COMPANY.
- 4-500 KCMIL AND 1#1G. - 4°C.
- SEE SCHEDULE IN SHEET E107.
- 1#3/0G. GROUND PER NEC ARTICLE 250.
- 2 SETS EACH 3-350 KCMIL AND 1#10G. - 3°C.
- 2 SETS EACH 4-500 KCMIL AND 1#1/0G. - 4°C.
- 4#4/0 AND 1#3G. - 2-1/2°C.



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Web: www.hdmassoc.com

LEGEND, RISERS  
& NOTES

RENOVATIONS  
TO THE  
FORMER CNG OFFICES COMPLEX  
CLARKSBURG, WEST VIRGINIA

DRAWN BY: BJF  
CHECKED BY: RTT  
DATE: 01/24/03  
REVISED:

FILE: 0212010.DWG

SHEET NUMBER

**E100**

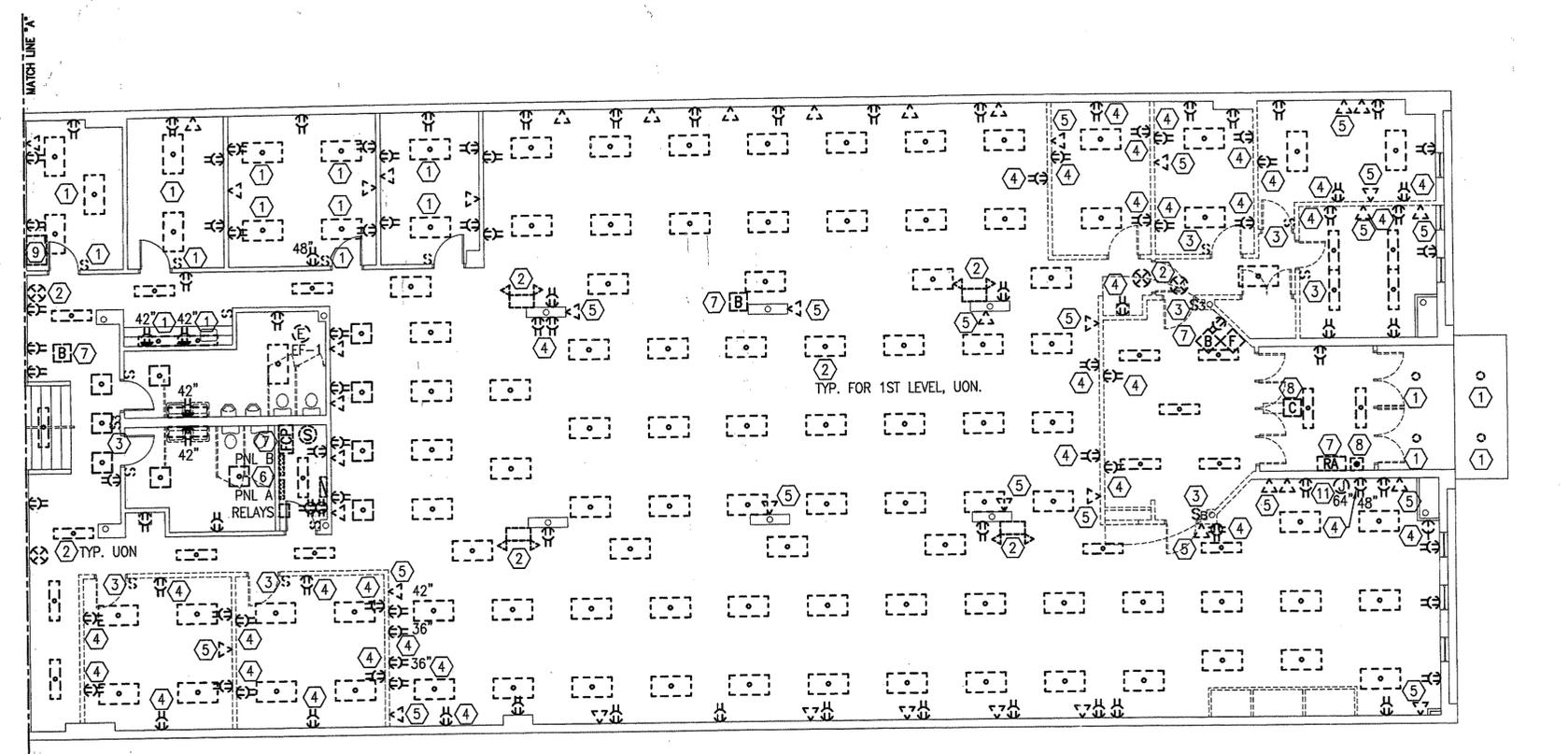
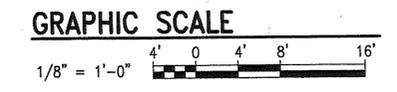


**DEMOLITION NOTES**

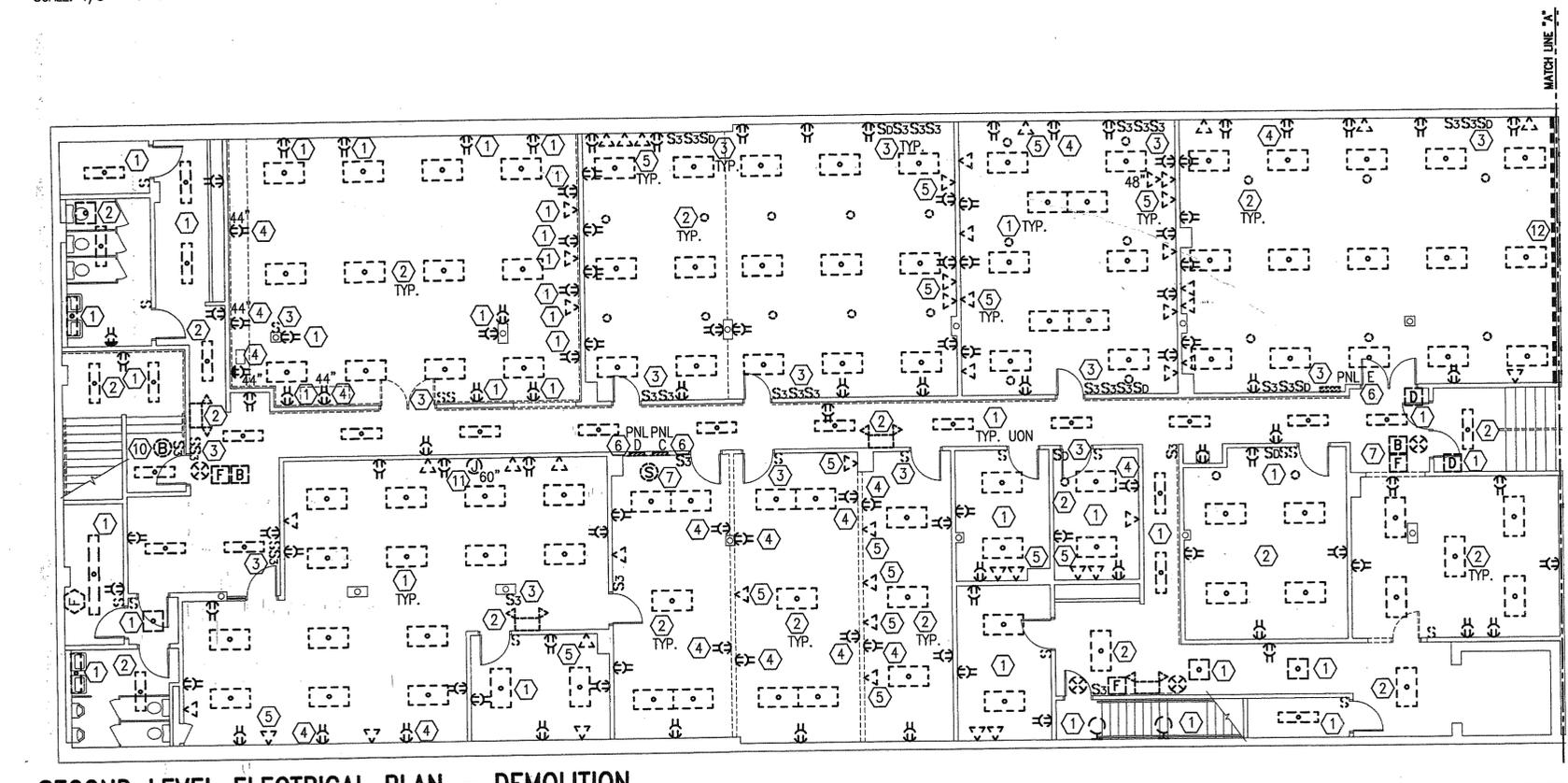
- ① EXISTING TO REMAIN.
- ② REMOVE EXISTING LIGHT FIXTURE. COORDINATE WITH NEW WORK PLAN FOR EXISTING FIXTURES TO BE MAINTAINED AND REUSED.
- ③ REMOVE EXISTING LIGHT SWITCH.
- ④ REMOVE EXISTING RECEPTACLE.
- ⑤ REMOVE EXISTING COMMUNICATIONS OUTLET.
- ⑥ REMOVE EXISTING PANEL WITH ASSOCIATED BRANCH AND FEEDER.
- ⑦ REMOVE EXISTING FIRE ALARM SYSTEM COMPLETE.
- ⑧ REMOVE EXISTING SECURITY SYSTEM.
- ⑨ REMOVE EXISTING COMMUNICATIONS RACK.
- ⑩ REMOVE EXISTING DOORBELL.
- ⑪ REMOVE EXISTING JUNCTION BOX.
- ⑫ REMOVE EXISTING WIREMOLD.

**GENERAL DEMOLITION NOTES**

1. REMOVE ALL WIRING AND CONDUIT ASSOCIATED WITH LIGHTING, ELECTRICAL DEVICES, AND EQUIPMENT TO BE REMOVED BACK TO THE SOURCE OR LAST JUNCTION BOX TO REMAIN.
2. PROVIDE ALL ELECTRICAL DEMOLITION WORK NECESSARY TO INSTALL NEW WORK. REROUTE AND RECONNECT ANY CIRCUITS THAT WILL REMAIN IN USE BUT INTERFERE WITH NEW CONSTRUCTION.
3. ALL EXISTING CONDUITS THAT WILL NOT BE REUSED SHALL BE REMOVED WHERE THEY WILL BE EXPOSED AFTER COMPLETION OF THE CONSTRUCTION. ALL OTHERS MAY BE ABANDONED IN WALLS ONLY. REMOVE ALL WIRING FROM ABANDONED CONDUITS. DISCONNECT FROM ALL POWER SOURCES AND PROVIDE BLANK PLATES ON ALL ABANDONED OUTLETS. CUT-OFF ABANDONED CONDUIT 2" BELOW FINISHED FLOOR AND GROUT FLUSH.
4. MAINTAIN CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN OR PORTIONS THEREOF AFFECTED BY NEW WORK.
5. ALL MATERIALS REMOVED UNDER DEMOLITION (AND NOT TO BE RELOCATED) SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED COMPLETELY FROM THE SITE.
6. EXERCISE CARE IN REMOVING DEMOLITION ITEMS. REPAIR OR REPLACE ANY DAMAGED CAUSED TO EXISTING CONSTRUCTION AND EQUIPMENT TO REMAIN.
7. DRAWINGS ARE BASED ON EXISTING PLANS AND FIELD INVESTIGATION WITHOUT DEMOLITION. CONTRACTOR SHALL VISIT THE EXISTING BUILDING AND FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS AND SHALL EXAMINE ALL RELATED DRAWINGS TO AVOID CONFLICTS.
8. CONTRACTOR SHALL REMOVE ALL STARTERS, DISCONNECT SWITCHES AND ASSOCIATED CONDUIT AND WIRING FOR ALL EQUIPMENT TO BE REMOVED BY OTHERS.



**FIRST LEVEL ELECTRICAL PLAN - DEMOLITION**  
SCALE: 1/8" = 1'-0"

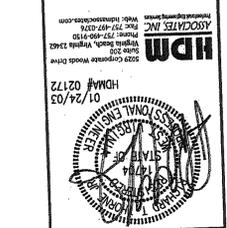


**SECOND LEVEL ELECTRICAL PLAN - DEMOLITION**  
SCALE: 1/8" = 1'-0"

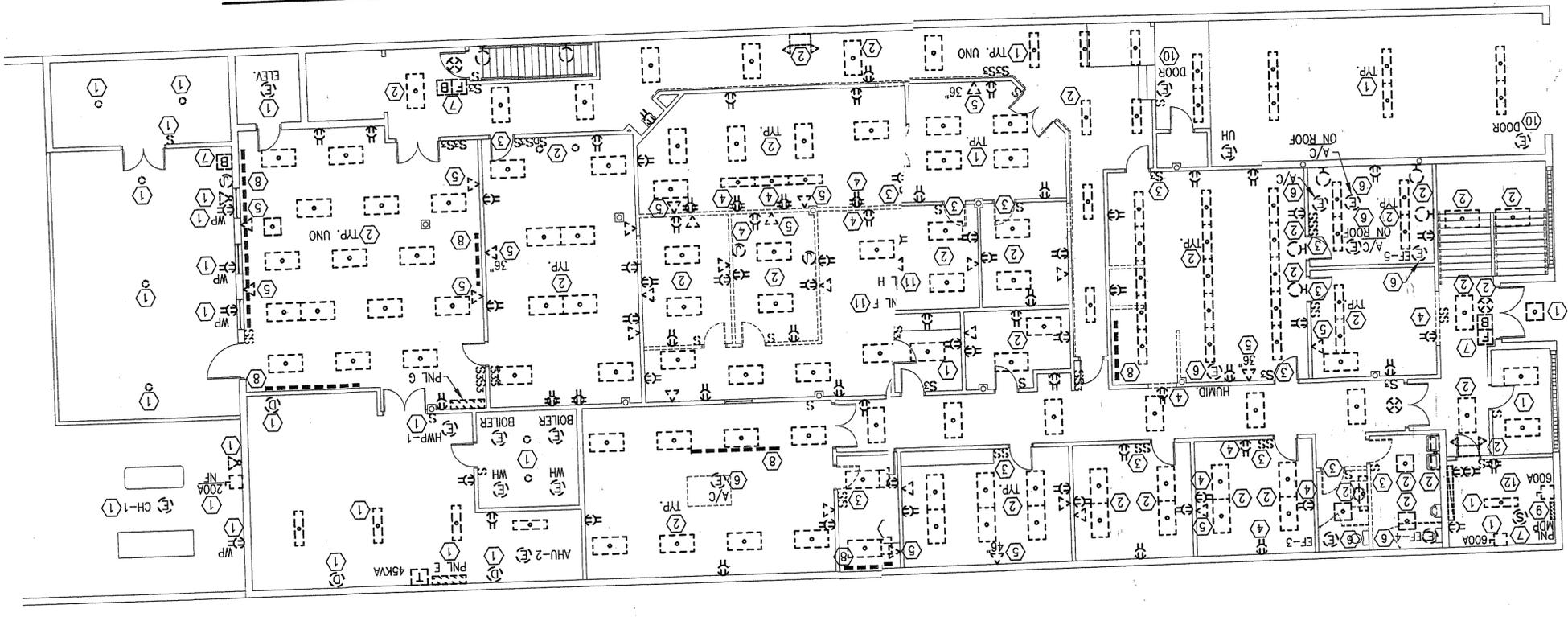
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CHECKED BY: RTT  
DATE: 07/24/03  
REVISED:  
FILE: 07/24/03

RENOVATIONS  
TO THE  
FORMER CNG OFFICES COMPLEX  
CLARKSBURG, WEST VIRGINIA

THIRD LEVEL  
DEMOLITION PLAN



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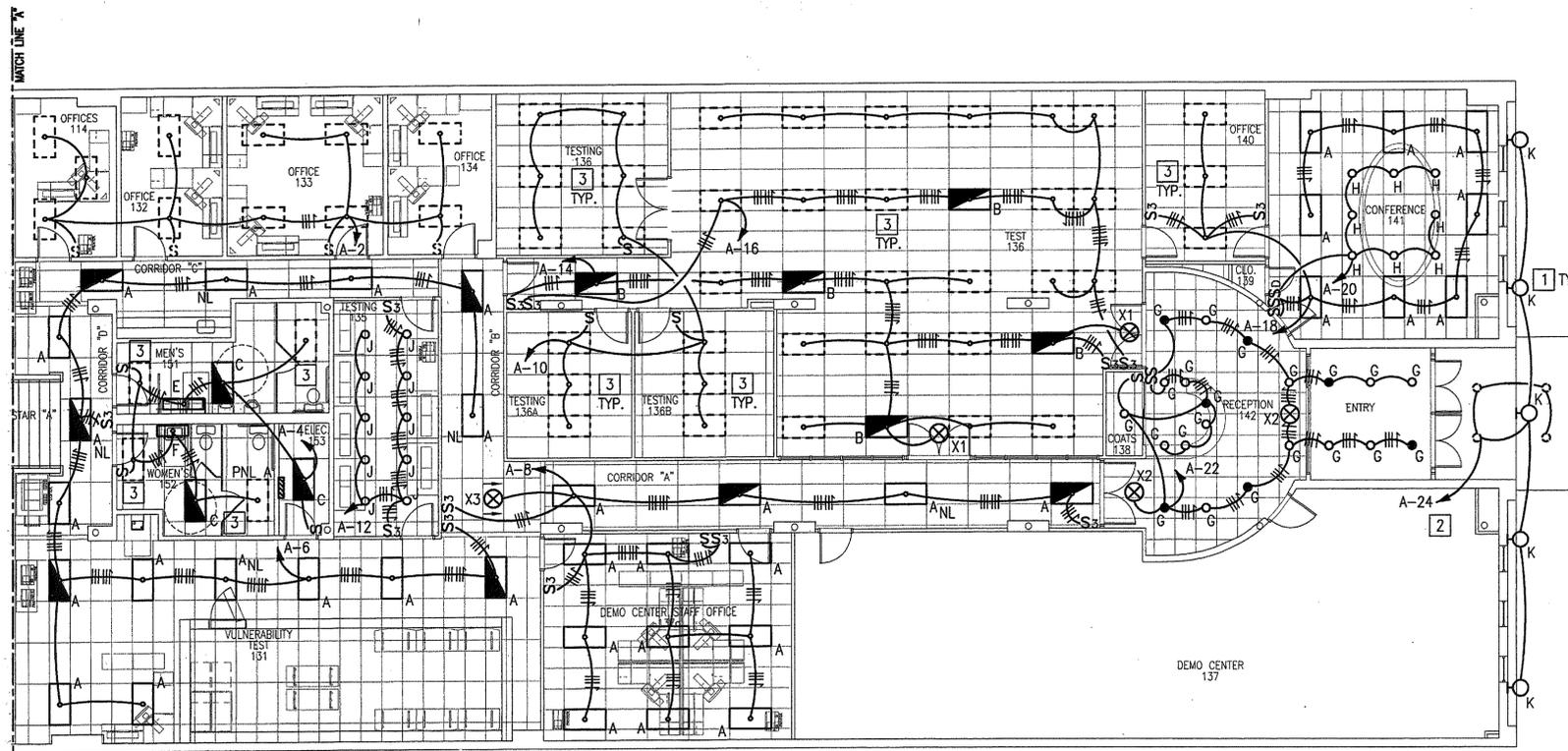


THIRD LEVEL ELECTRICAL PLAN - DEMOLITION  
SCALE: 1/8" = 1'-0"

- DEMOLITION NOTES**
- 1 EXISTING TO REMAIN.
  - 2 REMOVE EXISTING LIGHT FIXTURE.
  - 3 REMOVE EXISTING LIGHT SWITCH.
  - 4 REMOVE EXISTING RECEPTACLE.
  - 5 REMOVE EXISTING COMMUNICATIONS OUTLET.
  - 6 REMOVE ELECTRICAL CONNECTION TO EXISTING MECHANICAL UNIT.
  - 7 REMOVE EXISTING FIRE ALARM SYSTEM COMPLETE.
  - 8 REMOVE EXISTING WIREMOLD.
  - 9 REMOVE EXISTING DISCONNECT SWITCH AND PANEL MDP ASSOCIATED WITH SINGLE PHASE SERVICE.
  - 10 REMOVE ELECTRICAL CONNECTION TO THE OVERHEAD DOOR.
  - 11 REMOVE EXISTING PANEL WITH ASSOCIATED FEEDER AND BRANCH CIRCUITS.
  - 12 SEE POWER RISER DIAGRAM ON SHEET E100 FOR ELECTRICAL SERVICE MODIFICATION.

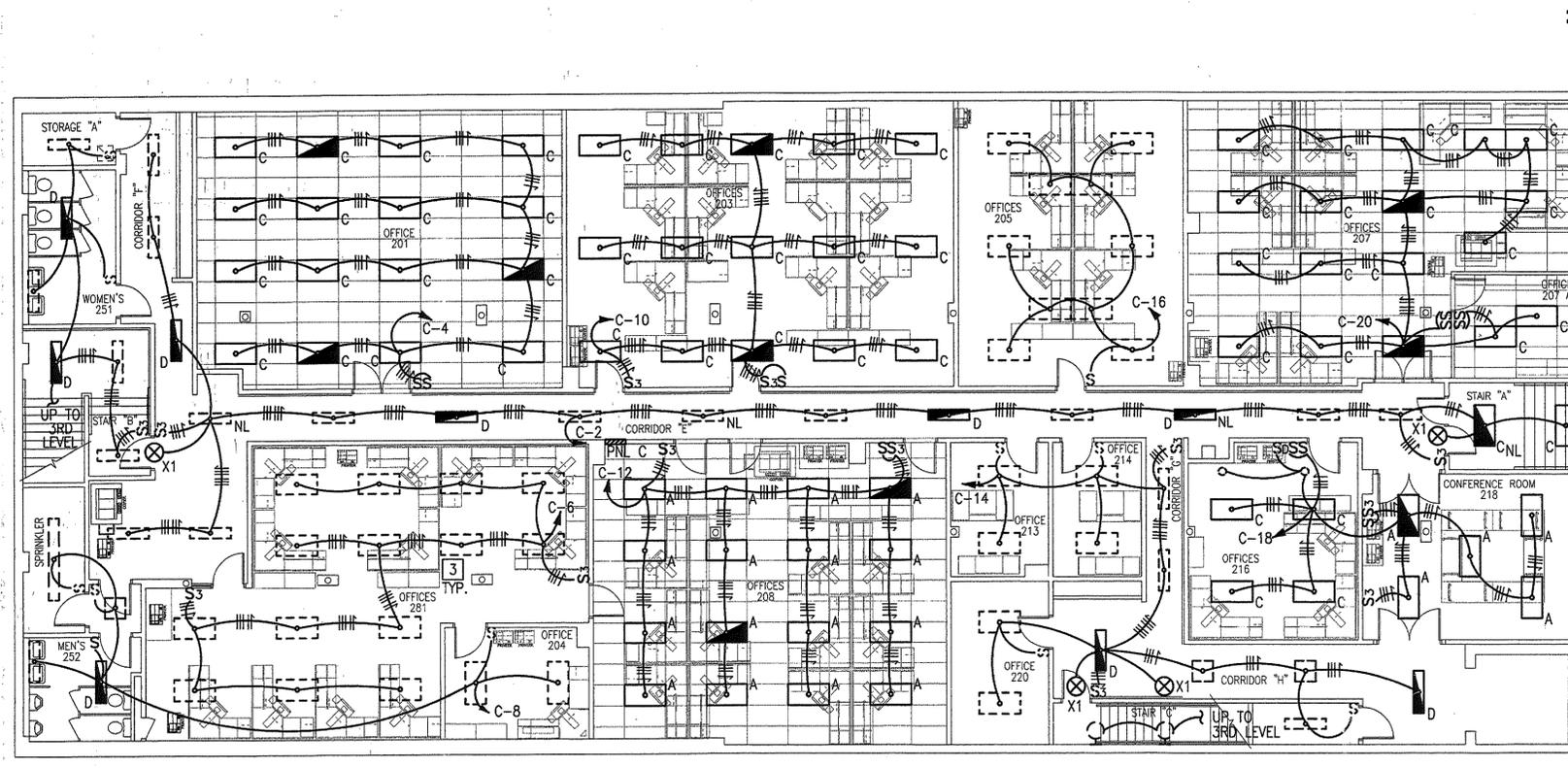
**NEW WORK NOTES**

- 1 MOUNT FIXTURE BELOW LIMESTONE PANELS AT ROOF LEVEL. COORDINATE EXACT LOCATION IN FIELD.
- 2 CONNECT TO CIRCUIT INDICATED VIA PHOTOCELL.
- 3 EXISTING FIXTURE TO BE REINSTALLED. REPLACE LAMPS AND CLEAN LENS.



**FIRST LEVEL LIGHTING PLAN - NEW WORK**

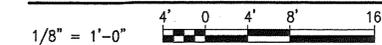
SCALE: 1/8" = 1'-0"



**SECOND LEVEL LIGHTING PLAN - NEW WORK**

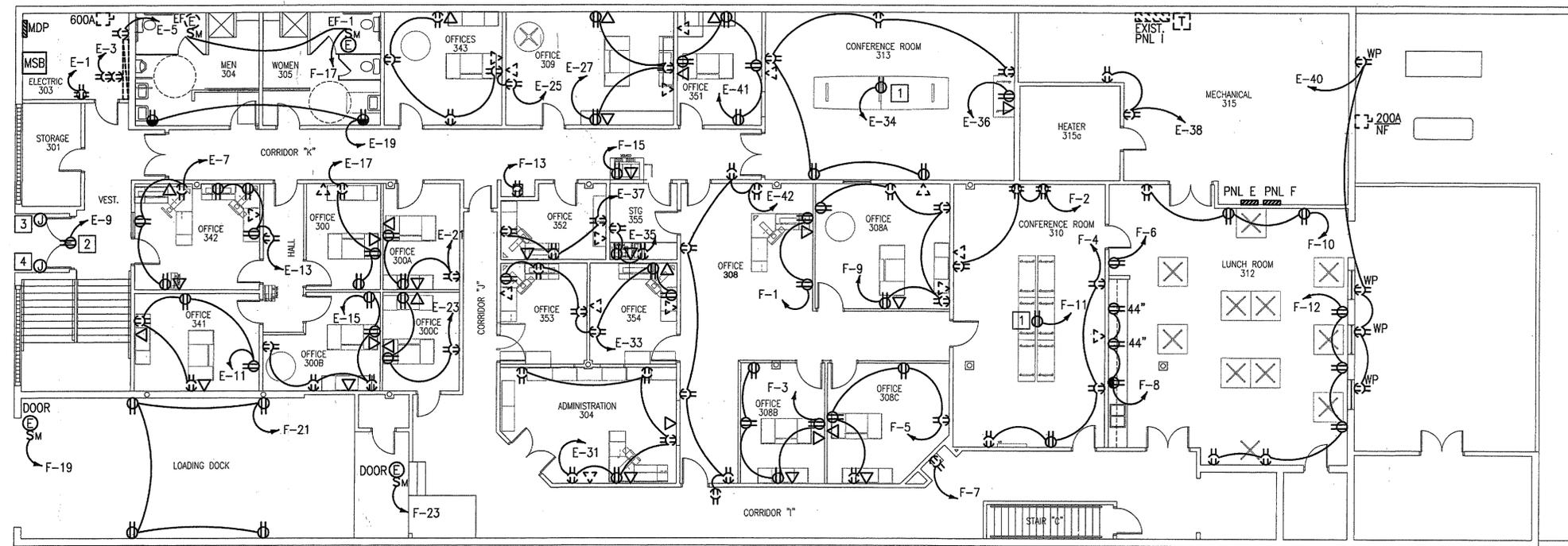
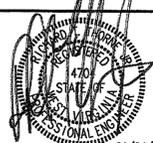
SCALE: 1/8" = 1'-0"

**GRAPHIC SCALE**









**NEW WORK NOTES**

- 1 PROVIDE RECEPTACLE ABOVE CEILING FOR A/V UNIT. COORDINATE EXACT LOCATION AND REQUIREMENT IN FIELD.
- 2 PROVIDE RECEPTACLE ABOVE CEILING FOR SECURITY SYSTEM. COORDINATE EXACT LOCATION AND REQUIREMENT IN FIELD.
- 3 PROVIDE TWO JUNCTION BOXES WITH 1" CONDUIT STUB UP TO ABOVE CEILING AT EACH LOCATION FOR BIOMETRIC DEVICES. COORDINATE EXACT LOCATION AND REQUIREMENT IN FIELD.
- 4 PROVIDE JUNCTION BOX WITH 1" CONDUIT STUB UP TO ABOVE VESTIBULE CEILING FOR BUZZER. COORDINATE EXACT LOCATION AND REQUIREMENT IN FIELD.

**THIRD LEVEL POWER PLAN - NEW WORK**

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

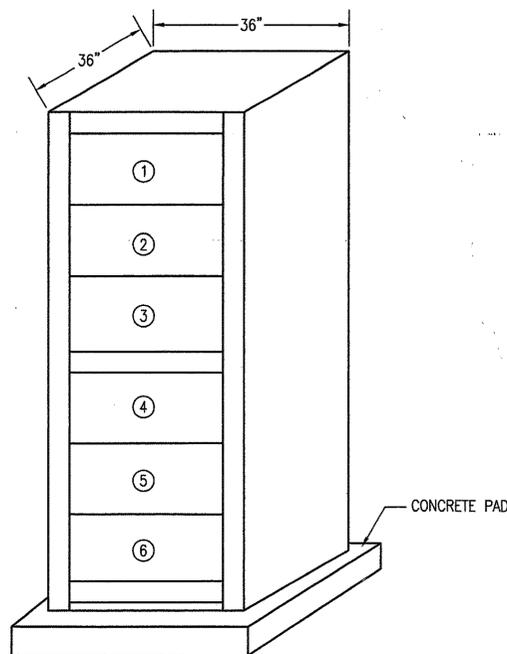
**SWITCHBOARD MSB SCHEDULE \***

TYPE: CIRCUIT BREAKER  
INTERRUPTING RATING: 100 KAIC  
SERVICE ENTRANCE LABEL

VOLTAGE: 208/120 V, 3 PHASE, 4 WIRE  
AMPERES: 2000  
MAINS: MLO

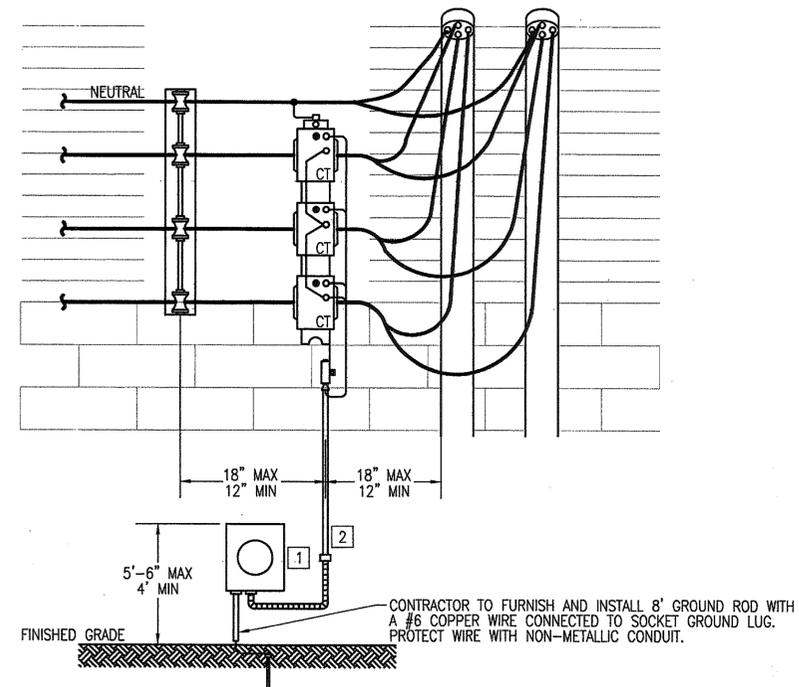
COMPARTMENT NO.	SERVING	FRAME AMPS	TRIP AMPS	POLES	NOTES
1	PANEL MDP	800	800	3	
2	EXISTING PANEL I	600	600	3	
3	PANEL T	400	400	3	
4	PANEL DC	225	225	3	
5	SPACE	-	-	3	
6	SPACE	-	-	3	

NOTES:  
\* PROVIDE SWITCHBOARD WITH TVSS. SEE SPECIFICATIONS.



**SWITCHBOARD MSB**

NO SCALE



**OUTDOOR OVERHEAD SERVICE INSTALLATION DETAIL**

NO SCALE

**NOTES**

- 1 METERING TRANSFORMER PACKAGE AND METER SOCKET SUPPLIED BY COMPANY AND INSTALLED BY CONTRACTOR.
- 2 1-1/4" IMC OR RIGID METALLIC CONDUIT FURNISHED AND INSTALLED BY CONTRACTOR. METER CABLE FURNISHED AND INSTALLED BY COMPANY.

**GRAPHIC SCALE**

