

**NOTES:**

1. ALL MECHANICAL WORK SHALL COMPLY WITH THE 2012 EDITION OF THE INTERNATIONAL MECHANICAL CODE AND ALL REFERENCED STANDARDS.
2. ALL PLUMBING, MECHANICAL, AND ELECTRICAL WORK SHALL COMPLY WITH ASHRAE 90.1-2007 EDITION.
3. ALL PLUMBING WORK SHALL COMPLY WITH THE 2012 EDITION OF THE INTERNATIONAL PLUMBING CODE.
4. ALL SEWER, DRAIN, AND VENT LINES SHALL BE SCHEDULE 40 PVC.
5. ALL COPPER LINES ABOVE GROUND SHALL BE TYPE "L" HARD COPPER.
6. ALL COPPER LINE BELOW GRADE SHALL BE SOFT COPPER TYPE "K".

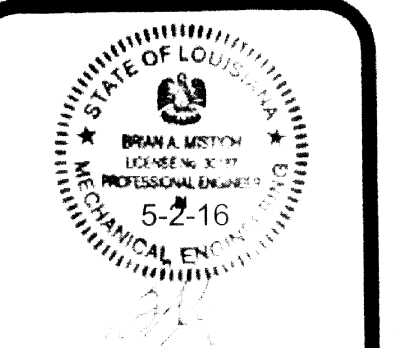
**O.S.A. REQUIREMENTS**

CONFERENCE ROOM:	5 CFM PERSON
OFFICES:	5 CFM PERSON
LOBBY:	5 CFM PERSON
TREATMENT ROOMS:	15 CFM PERSON
CORRIDORS:	.06 CFM/ S.F.
LAB/ STERILIZATION:	15 CFM PERSON

**GENERAL NOTES:**

1. HOT WATER PIPE INSULATION SHALL BE 1" THICK FOR PIPING LESS THEN 1-1/2" THICK. FOR PIPING GREATER THEN 1-1/2" THICK PIPING INSULATION SHALL BE 2" THICK. COLD WATER PIPE INSULATION SHALL BE 1/2" THICK FOR PIPING LESS THEN 1-1/2" AND 1" FOR PIPING GREATER THEN 1-1/2" THICK.
2. LAVATORY FAUCET OUTLET TEMPERATURE LIMITED TO 110° F. IN PUBLIC RESTROOMS.
3. R-6 INSULATION FOR ALL SUPPLY DUCTWORK LOCATED OUTSIDE THE BUILDING, IN VENTILATED ATTICS AND IN NON-VENTED ATTICS ABOVE INSULATED CEILINGS R-3.5 FOR SUPPLY AIR DUCTS IN NON-VENTED ATTIC WITH ROOF INSULATION, UNCONDITIONED AND UNDERGROUND SPACES R-3.5 FOR RETURN AIR DUCTS LOCATED OUTSIDE THE BUILDING, IN VENTILATED ATTICS AND IN NON-VENTED ATTIC ABOVE INSULATED CEILING.
4. PROVIDE HVAC BALANCING REPORT TO OWNER AFTER HVAC IS COMPLETED.
5. PROVIDE METAL PAN AT HVAC ATTIC HORIZONTAL UNITS. PROVIDE "P" TRAP AND 1"Ø CONDENSE DRAIN LINE TO HOUSE WASTE LINE. PROVIDE WITH FLOAT SHUT-DOWN SWITCH AT PAN. PROVIDE SMOKE DETECTOR AT BOTH ATTIC AC UNIT AND RETURN AIR SIDE. PROVIDE WITH RE-SET SWITCH.
6. PROVIDE OVERFLOW PAN W/ 1"Ø DRAIN LINE AT ATTIC WATER HEATERS.
7. ALL ELECTRICAL SWITCHES AND POWER OUTLETS LOCATED IN RATED FIRE PARTITIONS SHALL BE FIRE CAULKED PER UNDERWRITERS LABORATORY REQUIREMENTS.
8. OUTDOOR VENTILATION AIR (OSA) SHALL CONFORM TO TABLE 403.3 OF IMC-2012 EDITION.

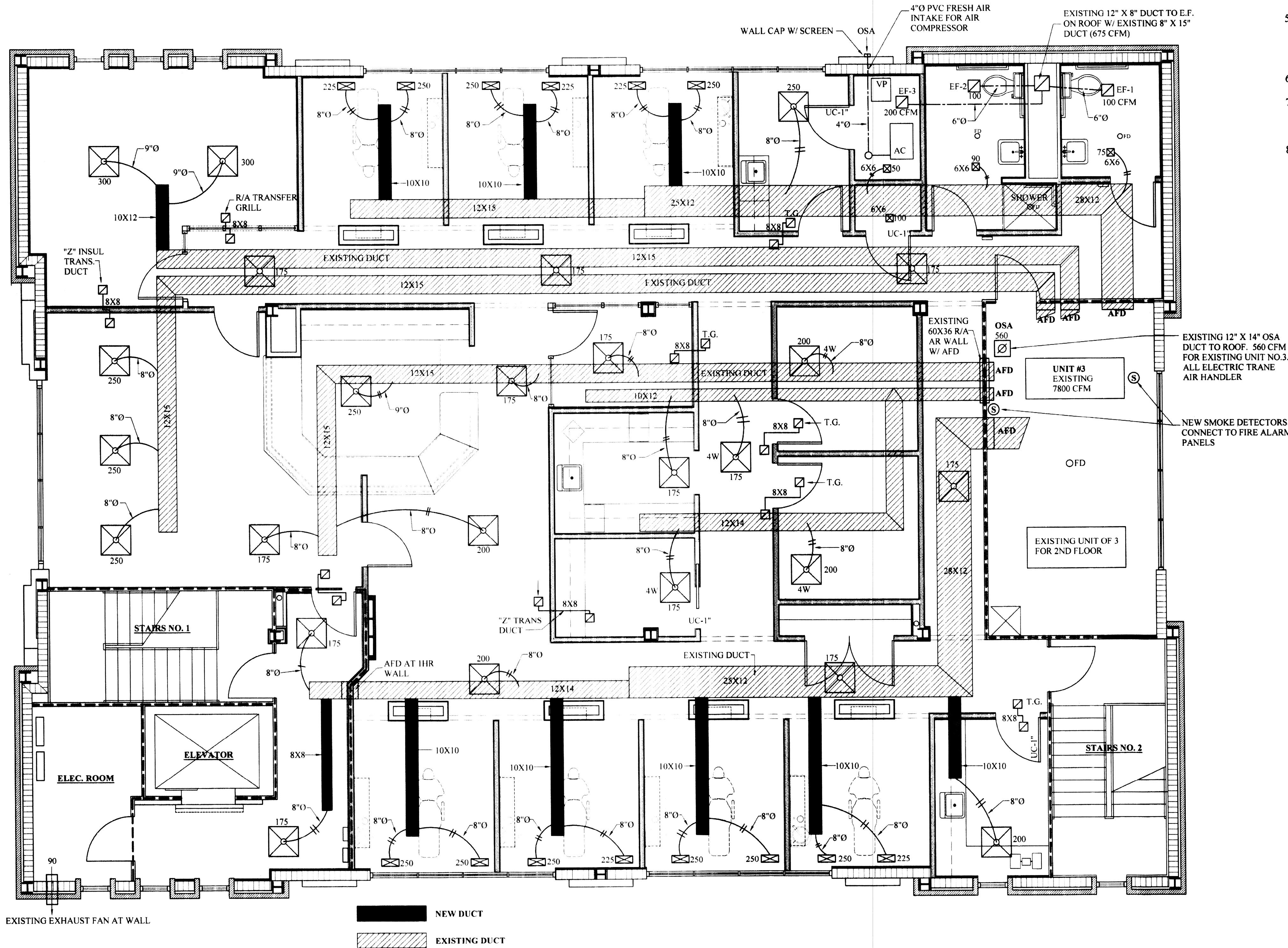
REVISIONS	BY



THIRD FLOOR INTERIOR RENOVATIONS FOR  
**MID CITY SMILES**  
 DR. MARK D. ANDERSON  
 3625 CANAL STREET  
 NEW ORLEANS, LOUISIANA 70119

**JOSEPH F. SCHNEIDER JR., AIA**  
 ARCHITECT  
 105 EY ANGE LINE DRIV E, SLIDELL, LOUISIANA 70460  
 (985) 847-0714  
 jfsarchitect@charter.net

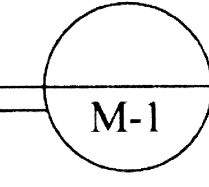
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SCALE	AS NOTED
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**HVAC SYMBOL SCHEDULE**

Ⓢ	THERMOSTAT
Ⓣ	FIRE DAMPER
F	FIRESTAT
ⓈD	DUCT SMOKE DETECTOR
CD	CEILING DIFFUSER (NECK SIZE)
O.A.	OUTSIDE AIR
RAG	RETURN AIR GRILLE
BDD	BACK DRAFT DAMPER
⊠	SUPPLY AIR
⊡	RETURN AIR
⊠→	SUPPLY AIR WITH DIRECTION OF FLOW
⊠	SPIN-IN FITTING W/ DAMPER
⊠	FLEXIBLE DUCT
⊠	RIGID SHEET METAL DUCT
⊠	RIGID ROUND SHEETMETAL DUCT
⊠	MANUAL VOLUME DAMPER (MVD)

**FLOOR PLAN- HVAC PLAN**  
 SCALE: 1/4" = 1'-0"



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