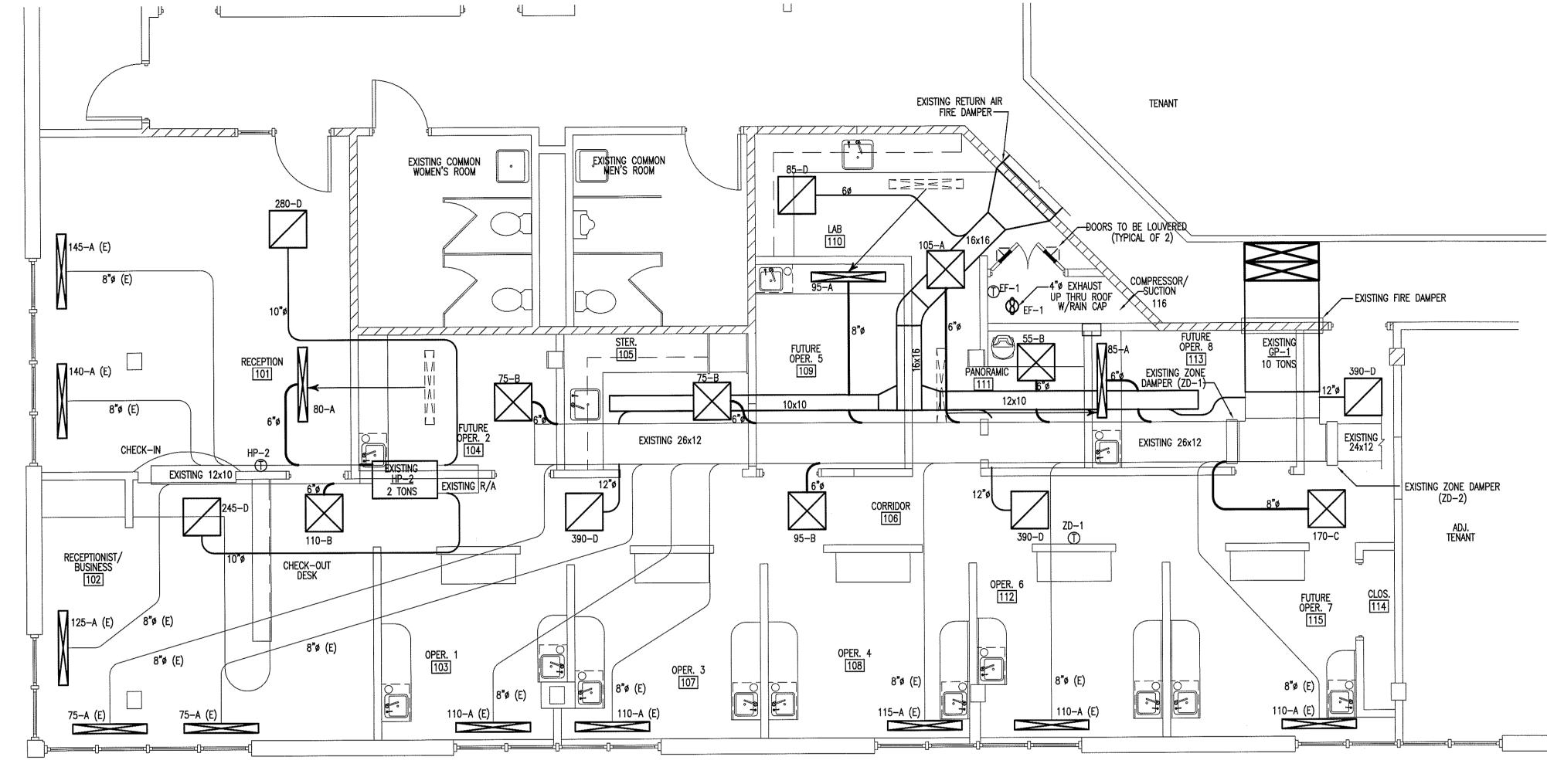
MECHANICAL NOTES:

- 1. ALL HVAC EQUIPMENT AND DUCTWORK TO BE INSTALLED IN ACCORDANCE WITH STATE AND LOCAL CODES.
- 2. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL DUCTWORK, PIPING, AND ELECTRICAL REQUIREMENTS WITH ALL OTHER TRADES PRIOR TO BEGINNING INSTALLATION TO AVOID CONFLICTS AND INTERFERENCE WITH OTHER TRADES.
- 3. ALL EQUIPMENT TO BE INSTALLED AS SUGGESTED BY MANUFACTURER.
- 4. INSULATE SUPPLY AND RETURN DUCTWORK LOCATED IN UNCONDITIONED SPACES BY WRAPPING WITH INSULATION WITH A MINIMUM INSTALLED R-VALUE OF 5.0. DIMENSIONS SHOWN ARE INSIDE CLEAR AREA DIMENSIONS.
- 5. EQUIP ROOF TOP UNIT WITH RETURN AIR FITLER & WASHABLE SCREEN FILTER ON OUTSIDE AIR INTAKE OF ROOF TOP UNITS.
- 6. MECHANICAL SYSTEM TO BE BALANCED AND TESTED AFTER INSTALLATION TO ASSURE PROPER OPERATION.
- 7. COORDINATE EXACT LOCATION OF THERMOSTATTS WITH OWNER.
- 8. ANY FIRE RATED ASSEMBLY PENETRATIONS ARE TO BE PER CODE. CONTRACTOR SHOULD REVIEW ALL FIRE RATING PENETRATIONS.
- 9. EXHAUST FANS ARE TO BE FURNISHED, INSTALLED AND DUCTED TO OUTDOORS BY THE MECHANICAL CONTRACTOR. EXHAUST FAN TO BE WIRED BY THE ELECTRICAL CONTRACTOR.
- 10. FINAL UTILITY CONNECTIONS (GAS, ELECTRIC, ETC.) TO EQUIPMENT SHALL BE MADE BY THE CONTRACTOR INSTALLING THE EQUIPMENT REQUIRING THE UTILITIES.
- 11. DUCT DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO SHOW THE INTENT OF THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY ADDITIONAL TRANSITIONS, OFFSETS, OR TURNS, IN THE DUCTWORK AND/OR PIPING, NOT SHOWN BUT REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.
- 12. ALL DUCTWORK SHALL BE INSTALLED TIGHT AGAINST THE STRUCTURE UNLESS OTHERWISE NOTED OR SHOWN.
- 13. AIR DISTRIBUTION LOCATIONS SHOWN ON MECHANICAL PLANS ARE APPROXIMATE. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR ACTUAL LOCATIONS.
- 14. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATIONS OF WALLS AND PARTITIONS AND FOR PARTITION THICKNESS AND CONSTRUCTION MATERIALS.

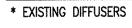
SYMBO	OLS & ABBREVIATIONS LEGEND
SYMBOL	DESCRIPTION
(T)	THERMOSTAT
\boxtimes	CEILING SUPPLY DIFFUSER
	CEILING RETURN GRILLE
X	CEILING SUPPLY DIFFUSER TO BE RELOCATED
\boxtimes	SUPPLY DUCT SECTION
	RETURN DUCT SECTION
CFM	CUBIC FEET PER MINUTE
ø	DIAMETER OR POWER PHASE
CTE	CONNECT TO EXISTING
(E)	DENOTES EXISTING
O.A.	OUTSIDE AIR
R.A.	return air
S.A.	SUPPLY AIR
A.F.F.	ABOVE FINISHED FLOOR

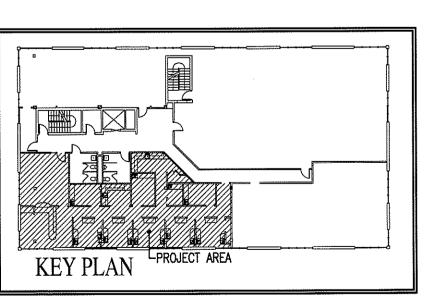




EXHAUST FAN SCHEDULE											
MARK	MANUFACTURER	MODEL	TYPE	CFM	SP	MOTOR	POWER	SONES	WATTS	CONTROL	REMARKS
EF-1	GREENHECK	SP-A125	EXHAUST FAN	121	0.125" W.G.	F.H.P.	120V/1ø	1.8	53	THERMOSTAT	4"ø DUCT THRU ROOF W/RAIN CAP

			AIR DI	STRIBUTION	ON SCI	HEDULE			
MARK	MANUFACTURER	NECK SIZE	PANEL SIZE	CFM RANGE	USE	TYPE	MODEL	MATERIAL	FILTER SIZE
Α	METALAIRE	8 " ø	48X6	0-145	SUPPLY	*	*	STEEL	****
В	METALAIRE	6 " ø	24X24	0-150	SUPPLY	STAMPED LOUVER FACE	5700-6	STEEL	-
С	METALAIRE	8"ø	24X24	151-280	SUPPLY	STAMPED LOUVER FACE	5700-6	STEEL	-
D	METALAIRE	22X22	24X24	0-1600	RETURN	non-filtered return grille	7500R-6	STEEL	_





				/ ₋		
1	WALL	LE	GEND			
	T					*****
	1-H	DUR	RATED	FIRE	WALL	

		OUTSIDE	E AIR CA	LCULATIONS	(GP-1)		
OCCUPANCY CLASSIFICATION (PER TABLE 403.3)	NET (GROSS) SQUARE FOOTAGE	OCCUPANCY LOAD PERSONS PER 1,000 S.F.	CALCULATED # OF PEOPLE	OUTSIDE AIR REQUIRED PER PERSON (CFM)	OUTSIDE AIR REQUIRED PER S.F. (CFM)	OUTSIDE AIR REQUIRED (CFM)	OUTSIDE AIR PROVIDED (CFM)
OPER. 1 103	74	7	1	20	_	20	20
STER 105	54	7	1	15	_	20	20
CORRIDOR - 106	(282)	_	_	<u> </u>	0.05	14	15
OPER. 3 - 107	78	7	1	20	•••	20	20
OPER. 4 108	83	7	1	20	-	20	20
FUTURE OPER. 5 - 109	66	7	1	20	_	20	20
LAB — 110	74	7	1	15	-	20	20
SCAN-X - 111	(39)	_	_	-	0.15	6	10
OPER. 6 - 112	77	7	1	20	-	20	20
FUTURE OPER. 8 - 113	61	7	1	20	_	20	20
FUTURE OPER. 7 - 115	78	7	1	20		20	20
· · · · · · · · · · · · · · · · · · ·		, , , , , , , , , , , , , , , , , , , ,	A	•	TOTAL OUTSIDE AIR	200	205

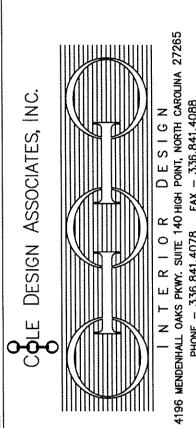
	*****	OUTSIDE	E AIR CA	LCULATIONS	(HP-2)		
OCCUPANCY CLASSIFICATION (PER TABLE 403.3)	NET (GROSS) SQUARE FOOTAGE	OCCUPANCY LOAD PERSONS PER 1,000 S.F.	CALCULATED # OF PEOPLE	OUTSIDE AIR REQUIRED PER PERSON (CFM)	OUTSIDE AIR REQUIRED PER S.F. (CFM)	OUTSIDE AIR REQUIRED (CFM)	OUTSIDE AIR PROVIDED (CFM)
RECEPTION - 101	225	30	7	15	- –	105	105
RECEPTIONIST/BUSINESS - 102	122	7	1	20	_	20	20
FUTURE OPER. 2 - 104	58	7	1	20	***	20	20
CHECK-OUT DESK	(77)			_	0.05	4	5
			•		TOTAL OUTSIDE AIR	149	150

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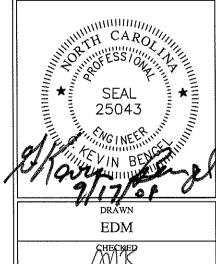
TENANT UPFIT:

L. MARTIN CLARK
DENTISTRY

DRAWING NAME

MECHANICAL

PLAN



EDM
CHECKED

DATE
9/17/08

SCALE
AS NOTED

JOB NO.
8103

M-1