

| UBC APP. 12 TABLE A-12-A CALC | | |
|-------------------------------|----------------|-------------------------|
| SQ. FT. | OSA CFM (S.F.) | CFM OSA REQ. |
| 352 | (.14) | = 49 |
| 348 | (.14) | = 49 |
| 1663 | (1.0) | = 1663 |
| 173 | (.05) | = 9 |
| | | = 1770 CFM REQ'D |
| AC-14 | | = 480 |
| AC-10 | | = 720 |
| AC-11 | | = 720 |
| | | = 1920 CFM OSA PROVIDED |

| UBC APP. 12 TABLE A-12-A CALC | | |
|-------------------------------|----------------|-------------------------|
| SQ. FT. | OSA CFM (S.F.) | CFM OSA REQ. |
| 1855 | (1.0) | = 1855 |
| 168 | (.05) | = 8 |
| | | = 1863 CFM REQ'D |
| AC-8 | | = 720 |
| AC-9 | | = 720 |
| AC-13 | | = 480 |
| | | = 1920 CFM OSA PROVIDED |

NOTES

- FULL SIZE E.A. DUCT UP TO EXH. FAN.
- 1" THICK - 1.5 LB. DENSITY DUCT LINER.
- FULL SIZE S.A. & R.A. DUCTS DOWN FROM A/C UNIT ON ROOF.
- REFRIGERANT LINES UP TO AC-12B. SIZE PER MANUFACTURER'S RECOMMENDATIONS.
- 3" PLASTIC WATER HEATER VENT PIPING. INSTALL IN ACCORDANCE W/ MANUFACTURER'S RECOMMENDATIONS.
- (2) 6"x4" COMBUSTION AIR DUCTS UP THRU ROOF TO GOOSENECKS. TERMINATE (1) DUCT 12" A.F.F., (1) DUCT 12" BELOW CEILING.

| UBC APP. 12 TABLE A-12-A CALC | | |
|-------------------------------|----------------|------------------------|
| SQ. FT. | OSA CFM (S.F.) | CFM OSA REQ. |
| 230 | (.14) | = 32 |
| 100 | (.14) | = 14 |
| 365 | (.14) | = 51 |
| 100 | (.14) | = 14 |
| 100 | (.14) | = 14 |
| | | = 125 CFM REQ'D |
| AC-7 | | = 480 CFM OSA PROVIDED |

| UBC APP. 12 TABLE A-12-A CALC | | |
|-------------------------------|----------------|------------------------|
| SQ. FT. | OSA CFM (S.F.) | CFM OSA REQ. |
| 357 | (.14) | = 50 |
| 120 | (.14) | = 17 |
| 150 | (.14) | = 21 |
| 128 | (.14) | = 18 |
| | | = 106 CFM REQ'D |
| AC-1 | | = 360 CFM OSA PROVIDED |

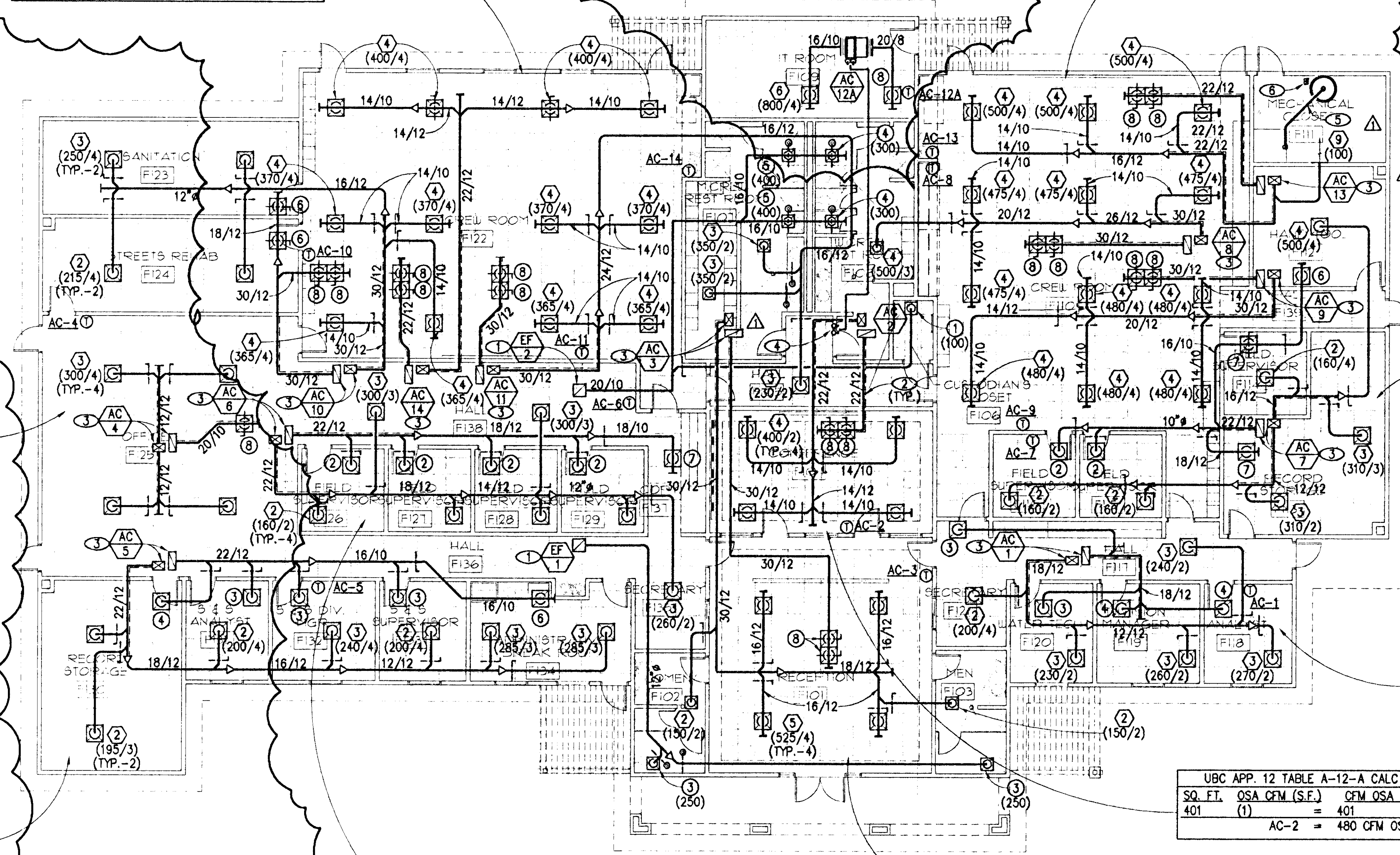
| UBC APP. 12 TABLE A-12-A CALC | | |
|-------------------------------|----------------|------------------------|
| SQ. FT. | OSA CFM (S.F.) | CFM OSA REQ. |
| 401 | (1) | = 401 |
| | | = 480 CFM OSA PROVIDED |

| UBC APP. 12 TABLE A-12-A CALC | | |
|-------------------------------|----------------|------------------------|
| SQ. FT. | OSA CFM (S.F.) | CFM OSA REQ. |
| 771 | (.9) | = 694 |
| | | = 720 CFM OSA PROVIDED |

| UBC APP. 12 TABLE A-12-A CALC | | |
|-------------------------------|----------------|------------------------|
| SQ. FT. | OSA CFM (S.F.) | CFM OSA REQ. |
| 845 | (.14) | = 118 |
| 100 | (.14) | = 14 |
| 100 | (.14) | = 14 |
| 105 | (.14) | = 15 |
| 100 | (.14) | = 14 |
| | | = 175 CFM REQ'D |
| AC-6 | | = 480 CFM OSA PROVIDED |

| UBC APP. 12 TABLE A-12-A CALC | | |
|-------------------------------|----------------|------------------------|
| SQ. FT. | OSA CFM (S.F.) | CFM OSA REQ. |
| 978 | (.14) | = 137 |
| | | = 360 CFM OSA PROVIDED |

| UBC APP. 12 TABLE A-12-A CALC | | |
|-------------------------------|----------------|------------------------|
| SQ. FT. | OSA CFM (S.F.) | CFM OSA REQ. |
| 389 | (.14) | = 54 |
| 120 | (.14) | = 17 |
| 150 | (.14) | = 21 |
| 126 | (.14) | = 18 |
| 224 | (.50) | = 112 |
| | | = 222 CFM REQ'D |
| AC-5 | | = 480 CFM OSA PROVIDED |



FLOOR PLAN - HVAC
SCALE: 1/8" = 1'-0"

APPROVAL IS FOR CLOUDED AREAS ONLY. SEE ORIGINALS FOR OTHER REQUIREMENTS

584262
RECEIVED
MAR 18 2003
CITY OF LAS VEGAS PERMITS

PLANS APPROVED
PLUMBING & MECHANICAL
JCF APR 23 2003

Do not include Architectural, Electrical, Structural or MEP Improvements in this No Change Without Approval Plan to Not a Permit to Violate Any Ordinance.

jba CONSULTING ENGINEERS
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CITY OF LAS VEGAS
REVISION #1
AUGUST 30, 2002
PLUMBING
FEBRUARY 24, 2003

DEPARTMENT OF PUBLIC WORKS
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES

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| DATE | BY |
|----------|----|
| 06.28.02 | |
| 02.15.03 | |

107-V3548

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