

H-4 OCCUPANCY WELDING SHOP

VENTILATION CALCS.

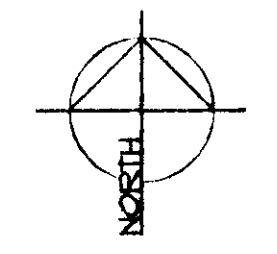
ROOM M106 = 453 SF x 1.5 CFM REQD./SF = 680 CFM REQUIRED

EF-11 = 2700 CFM

WES-1 = 650 CFM

TOTAL PROVIDED 3350 CFM > 680 CFM REQUIRED

**FLOOR PLAN**  
SCALE 1/8" = 1'-0"



APPROVAL IS FOR CLOUDED AREAS OR LATEST REVISIONS ONLY. SEE ORIGINALS FOR OTHER REQUIREMENTS.

PLANS APPROVED  
PLUMBING & MECHANICAL  
JCH MAR 28 2003

Not to be used for Architectural, Electrical, Structural or Civil Site Improvements Without Approval. Plans Not to be Used for Any Other Purpose.

**NOTES**

- ① MOUNT W/ BOTTOM OF COOLER 11'-0" ABOVE FINISHED FLOOR ELEV. SEE DETAIL ④.
- ② SEE DETAIL ①.
- ③ 48" x 24" LOUVER W/ FIELD BUILT FILTER RACK & (2) 24" x 24" x 2" FARR 3030 (OR EQUAL) FILTERS. BOTTOM OF LOUVER 10'-0" A.F.F.
- ④ FIRE SPRINKLER RISER (REF.)
- ⑤ WATER HEATER (REF.)
- ⑥ MOUNT ELECTRIC HEATER 12" A.F.F.
- ⑦ MOUNT ON WALL APPROX. 8'-0" A.F.F. EXTEND 12/10 EXHAUST DUCT FROM FAN UP THRU ROOF. TERMINATE W/ GOOSENECK.
- ⑧ EVAP. COOLER PUMP & FAN SWITCHES (REF.)
- ⑨ 16/16 UP THRU ROOF TO EXHAUST FAN. PROVIDE 1/4" G.B.S. OVER INLET.
- ⑩ HIGH VELOCITY SAWDUST EXHAUST DUCTWORK.
- ⑪ MOUNT 10'-0" A.F.F. ON EXTERIOR WALL W/ WALL MOUNTING BRACKET. EXTEND DISCHARGE TO FILTER & 55 GALLON DRUM BELOW. PROVIDE 4" CONCRETE PAD FOR 55 GAL. DRUM.
- ⑫ TERM. W/ 1/2" G.B.S. OVER OUTLET.
- ⑬ 6" DOWN ON WALL TO BLAST GATE & FLOOR SWEEP. ⑬⑭
- ⑭ 2" DOWN ON WALL & CONNECT TO EQUIPMENT W/ FLEXIBLE HOSE. ⑬⑭
- ⑮ 4" DOWN ON WALL & CONNECT TO EQUIPMENT W/ FLEXIBLE HOSE. ⑬⑭
- ⑯ PROVIDE BLAST GATE.
- ⑰ HIGH VELOCITY SAWDUST EXHAUST DUCTWORK (SEE SPEC.) VERIFY LOCATION OF EQUIPMENT PRIOR TO FABRICATION OF DUCTWORK.
- ⑱ SEE DETAIL ⑤.

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RECEIVED  
MAR 18 2003  
CITY OF LAS VEGAS PERMITS



REVISION #2  
OCTOBER 16, 2002  
FLANGIER  
FEBRUARY 24, 2003

REVISION #1  
OCTOBER 16, 2002  
FLANGIER  
FEBRUARY 24, 2003

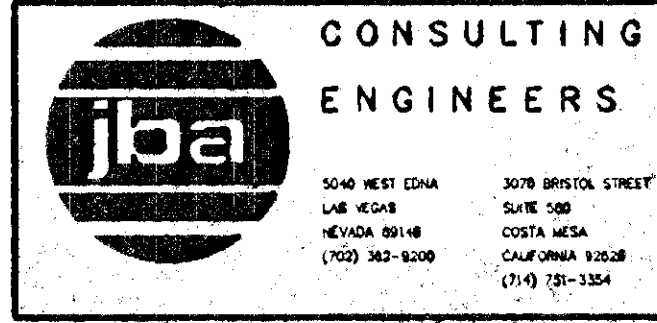
CITY OF LAS VEGAS WEST SERVICE YARD  
BUFFALO DRIVE AND PEAK ROAD  
LAS VEGAS, NEVADA  
FLOOR PLAN  
FIELD MAINTENANCE BUILDING

PROFESSIONAL ENGINEER'S SEAL OF NEVADA  
DONALD KOCH  
P.L.L.C.  
MECHANICAL  
No. 006671

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

400 EAST STEWART AVENUE  
LAS VEGAS, NEVADA 89101  
PHONE: (702) 229-6838  
FAX: (702) 382-3232  
TDD: (702) 386-2108

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SCALE	1/8" = 1'-0"
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3078 BRICKL STREET  
SUITE 100  
DUSTY WEA  
CALIFORNIA 92028  
(919) 781-1384

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