NOTE:
TYPICAL FOR FRESH AIR INTAKES AND EXHAUST DISCHARGE: 84"ϕ LVL-1 PROVIDE 84" x 84" x 24" DEEP PLENUM ON INSIDE. CONNECT DUCTS TO PLENUM WITH FLARED CONNECTION.

6" CHWS - CHWR
4" HWS - HWR DOWN

FLEXIBLE DUCT CONNECTIONS (TYP)

SEE PLAN FOR FRESH AIR & EXH. DUCTWORK

40x40 SUPPLY FROM AH-4

EF-4 T.C. PANEL

28"ϕ

10"ϕ DOWN

EF-6 HANG FROM FROM ROOF STRUCT. W/ SPRING ISOLATORS

1"HWS-HWR

36x18 ER-1

28"ϕ DOWN SEE DRWG M-2

EF-1 24x12 MIX. PLEN. FILT. AH 1 FAN COILS

AH 3 COILS FAN FILT. MIX. PLEN. 24x10 EF-3

F.D. (TYP)

SET EXHAUST FANS & AH UNITS WITH SPRING ISOLATORS ON 6x6 REDWOOD SLEEPERS (TYPICAL)

SEE PLAN FOR DUCTWORK

NOTE: KEEP ALL DUCTWORK & PIPING TIGHT TO BTM OF ROOF STRUCTURE

SECTION 1/M-1
SCALE: 1/4"=1'-0"

PENTHOUSE FLOOR PLAN - HVA/C
SCALE: 1/8"=1'-0"

MECH. EQUIP ROOM 101

SEE LARGE SCALE PLAN DRWG M-3 FOR BOILER ROOM

ELECT EQUIP ROOM 102

MAINT. OFFICE 103

SHOP STOR. 104

(2)-6"ϕ CD-2 200 CFM

(2)-12x12 RAG-2

UH-1 1"HWS-HWR

ACF-1

ACE-2

MOUNT AIR CURTAIN WITH ADJUSTABLE BRACKETS TO ANGLE DISCHARGE TO ANGLE DOORS

DOCK 105

ACF-3

ACF-4

24x8 ER-1 500 CFM

2'-0" BB-1

6"ϕ CD-2 200 CFM

5'-0" BB-1

RECEIVING CLERK 106

RECEIVING 107

AH-2 ZONE 2

(6)-8"ϕ CD-1 350 CFM EA

24x16

CONTRACT STORES 108

24x14

36x18

(11)-10"ϕ CD-1 @ 400 CFM EA

AH-2 ZONE 2

24x12

OFFICE 111

12x8

MEN 112

12x6

(6)-18x8 ER-2 300 CFM EA

(8)-6"ϕ CD-2 200 CFM EA

12x12 RAG-2

12x12 UP TO EF-9

8"ϕ CD-1 300 CFM

24x24 RAG-1

TOOLS 109

MAIL ROOM 110

WOMEN 113

10x8

12x8

60x20 R/A

(5)-24x24 RAG-1

6"ϕ CD-2 200 CFM

CORRIDOR 118

6"ϕ CD-2 150 CFM

(2)-8"ϕ CD-1, 250 CFM EA

84x20

24x18

36x20

60x20 R/A

MATERIALS/LOGISTICS 124

3"

CHWS CHWR HWS HWR

RECEIVING & INSPECTION 119

24x16

(12)-10"ϕ CD-1 500 CFM EA.

(2)-24x24 RAG-1

18x12 UP

18x12 ER-2 600 CFM

DARKROOM 125

22x12

22x18

20x18

20x18 UP

14x14 UP TO EF-8

(3)8"ϕ CD-1 CFM

(5)-24x24 RAG-1

AH-2 ZONE 3

F.D.

WOMEN 121

(2) 18x10 ER-2 400 CFM EA.

MEN 122

13x12 RAG-2

OFFICE 120

8"ϕ CD-1 300 CFM

2"HWS-SEE DRWG M-2

(2)-8"ϕ CD-2 @ 300 CFM EA

JAN 123

12x12 ER-2 200 CFM

AH-2 ZONE 5

2"

60x20 R/A SEE DRWG M-2

40x18

16"ϕ DOWN TO BLUEPRINT MACHINE

(6)-10"ϕ CD-1 500 CFM EA.

SMO/DMO/CADM. 126

(5)-8"ϕ CD-1 600 CFM EA

CORR 127

16"ϕ UP SEE PENTHOUSE PLAN.

108x24 UP SPLIT AROUND STEEL BEAM.

(6)-8"ϕ CD-1 @ 300 CFM EA.

TYPICAL AT SECURITY SCREENS - 3x3 ANGLE FRAME INSIDE DUCT WITH #4 BARS WELDED TO FRAME @ 6" CENTERS

(25)-12"ϕ CD-1 800 CFM EA

CHWS CHWR

(9)-48x24 RAG-1

TYP (3) THUS CAP 1½" CHWS & CHWR WITH GATE VALVES ABOVE CEIL.

TYPICAL 3"HWS 12"ϕ DUCT THRU ROOF W/GOOSENECK 24" ABOVE ROOF CAP ABOVE CEIL. FLASH & CTG FLASH ROOF OPENING. VERIFY EXACT LOCATION.

ASSEMBLY/TEST 117

16x16

AH-1 ZONE 1

FIRST AID 115

12"x24" UP SPLIT AROUND STEEL BEAM

8"ϕ CD-1 300 CFM

JAN 114

12"x12" RAG-2

34x20

30x18

20x18

48x20

36x20

AH-1, ZONE 2

BAL. VALVE

AH-3, ZONE 4

ENGINEERING LAB 130

(8)-8"ϕ CD-1 725 CFM EA.

(6)-24x24 RAG-1

24x18 TRANSFER Duct above ceil.

(2)-8"ϕ CD-1 350 CFM EA

SHOP 132

24x24 RAG-1

8"ϕ CD-1 300 CFM

DARK ROOM 133

12x12 ER-2 400 CFM

12x8 UP TO EF-11

1" DOWN

34x20

48x20

16x12

48x24 RAG-1

24x12

SUPPORT 128

40x18

26x18

24x18

48x16

(6)-10"ϕ CD-1 @ 500 CFM EA

AH-3, ZONE 5

40x18

AH-3, ZONE 3 ENGINEERING 131

48x24 RAG-1

(9)-8"ϕ CD-1 @ 270 CFM EA.

18x18

18x12

36x18 R/A

DRAFTING 129

72x18

AH-3 ZONE 1

CONF. 134

OFFICE 135

(2)-8"ϕ CD-2 300 CFM EA.

(2)-12x12 RAG-2

14x14

18x12

2"

48x24 RAG-1

1"HWR DN. 4'-0" BB.

2"HWR - SEE DRWG M-2

(2)-8"ϕ CD-1 @ 300 CFM EA

6'-0" BB-2

BB-2 COVER TO RUN CONTINUOUS

PLANT FLOOR PLAN - HVA/C
SCALE: 1/8"=1'-0"

N

1 2 3 4 5 6 7 8

A AA B C D E

trw colorado electronics, inc. facility
phase one building / colorado springs

john james wallace + associates
architects a.i.a.
102 north cascade avenue
colorado springs, colorado 80903
telephone (303) 632-2525

drawing title : PLANT FLOOR PLAN-HVA/C

project no: 7701
issue date : JULY 1977
revisions :
10-28-77

drawn by : DRM 4 KLT
checked by : DRM

drawing m1 of 4