

DIFFUSER NECK SCHEDULE	
CFM	MIN. NECK SIZE
0-75	6"
76-200	8"
201-350	10"
351-600	12"
601-800	14"
801-1000	15"

NOTE: VERIFY EXISTING BRANCH DUCT SIZES AND REPLACE IF SIZE IS NOT ADEQUATE TO HANDLE CFM QUANTITY INDICATED. REPLACE GRILLE OR DIFFUSER WHERE EXISTING NECK SIZE IS SMALLER THAN NECK SIZE REQUIRED.

- GENERAL NOTES**
- ALL EXISTING GRILLE, DIFFUSER, EXHAUST FANS, DUCTS, A/C UNITS, ETC. TO REMAIN UNLESS NOTED OTHERWISE - REFER TO NOTES AND LEGEND.
 - DASHED DUCTWORK IS EXISTING - VERIFY SIZE AND PROVIDE NEW IF CROSS SECTION AREA IS SMALLER THAN NEW BRANCH SIZE SHOWN.
 - NO WORK IN EXISTING OFFICES.
 - DIFFUSERS NOTED TO BE RELOCATED FIELD VERIFY EXISTING CONDITIONS & REROUTE EXISTING BRANCH DUCT TO NEW LOCATION.

- LEGEND**
- N - NEW
 - E - EXISTING
 - R - RELOCATE
 - ☒ - NEW SUPPLY DIFFUSER NK SIZE AND AIR QUANTITY AS INDICATED (MATCH EXISTING)
 - ☒ - NEW SURFACE MOUNTED CD. SIZE AS INDICATED (MATCH EXISTING)
 - ↔↔ - EXISTING SUPPLY DIFFUSER
 - ☒ - EXISTING SURFACE MTD. SUPPLY DIFFUSER
 - ☒ - NEW RAO WITH BOOT (MATCH EXISTING)
 - ↔↔ - EXISTING RETURN GRILLE
 - ☒ - RELOCATE EXISTING GRILLE OR DIFFUSER
 - ☒ - EXISTING EXHAUST FAN
 - ☒ - RELOCATED EXHAUST FAN
 - ⊙ - RELOCATED THERMOSTAT
 - - POINT OF CONNECTION NEW TO EXISTING
 - - EXISTING DUCTWORK
 - - NEW DUCTWORK

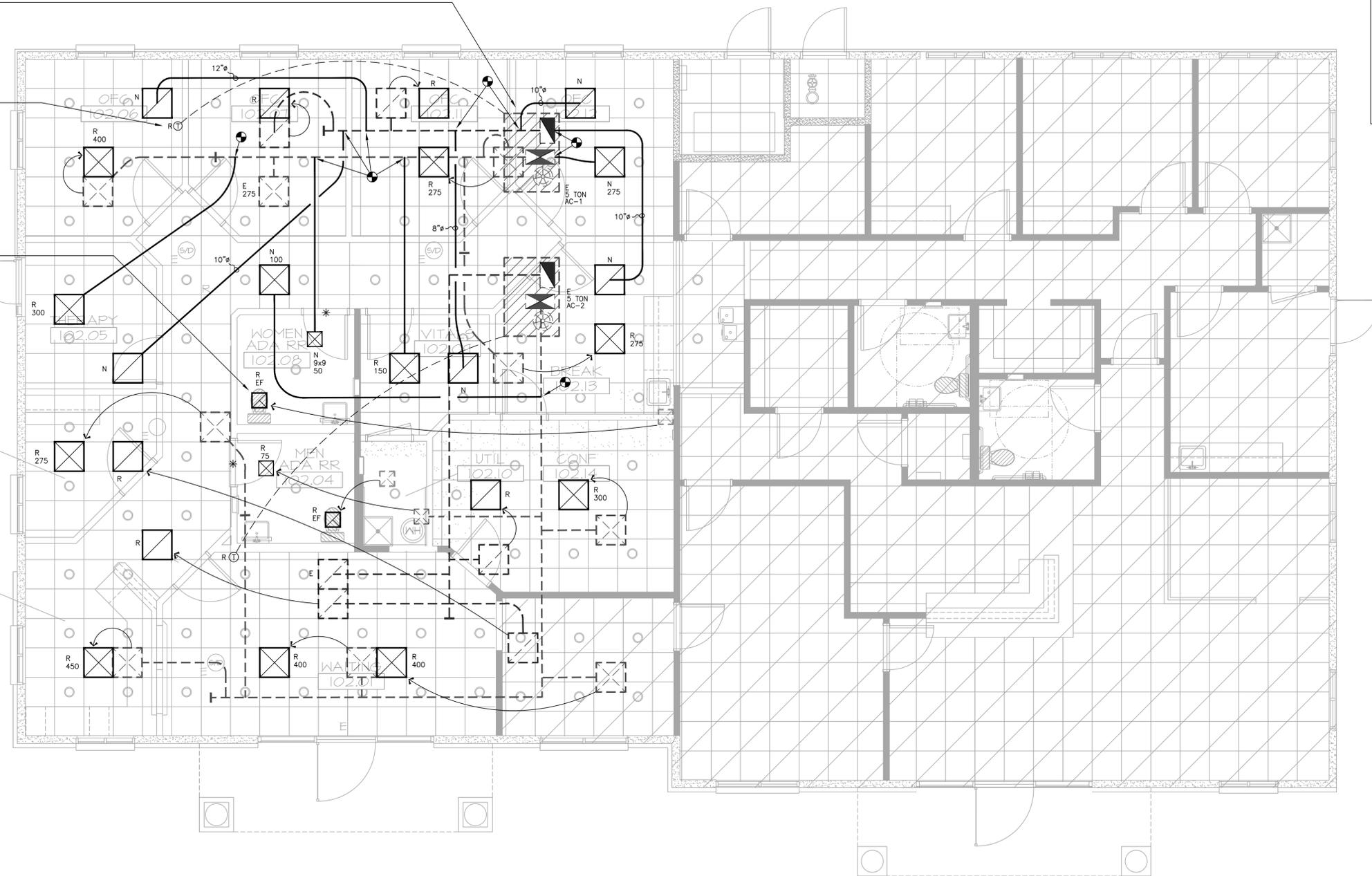
EXISTING A/C UNIT MOUNTED ON ROOF. (TYPICAL)

T-STAT MOUNTED AT 48" ABOVE FINISHED FLOOR. (TYPICAL)

RELOCATE EXISTING EXHAUST FAN AS SHOWN. ELECTRICALLY INTERLOCK WITH RESTROOM LIGHTS. (TYPICAL OF 2 LOC.)

VITALS 102.03

WAITING 102.02



MECHANICAL FLOOR PLAN

1/8" = 1'-0"

MECHANICAL DESIGN

7227 N. 16th Street, Suite 200 Phoenix, AZ. 85020
 Job No: 18782 Phone (602) 943-6608
 Consulting Engineers Fax (602) 943-6181
 Web: MechDesigns.com

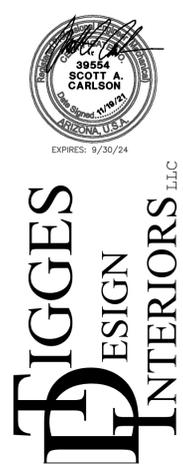
PINAL PROFESSIONAL VILLAGE
 BLDG 16: 36457 N. GANTZEL RD. SAN TAN VALLEY, AZ 85140

2nd CHANCE TREATMENT CENTER

MECHANICAL FLOOR PLAN

PROJECT: 2125.01
 DATE: 11-19-2021
 REVISED:
 DRAWN BY: JD

SHEET
M1.1
 OF



PHOENIX AZ 85032 PR: (602) 228-6871 FAX: (602) 595-2925