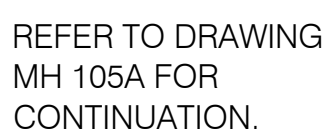




Diagram illustrating the structural floor bracing for the 100-EF 5D2 structure. The diagram shows a cross-section of the structure, including the AREA 5D ROOF and the INTERSTITIAL FLOOR BRACING. A dimension of 24'0" is indicated for the length of the bracing member.

SECTION

$1/8^{\circ} = 1'-0''$



GENERAL NOTES:

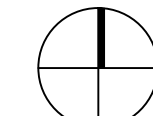
1. EXISTING CONDITIONS BASED ON SHS DRAWINGS DATED 07/02/79.
2. THE AREA UNDER CONSTRUCTION SHALL BE MAINTAINED UNDER NEGATIVE PRESSURE IN RELATION TO THE ADJACENT PATIENT AND OFFICE AREAS. THIS CONTRACTOR SHALL COORDINATE WITH THE CHIEF MECHANICAL ENGINEER FOR RE-BALANCING THE OUTSIDE AIR, SUPPLY AND RETURN AIRFLOW ON THE EXISTING AIR HANDLER TO ACHIEVE NEGATIVE PRESSURE TO ADJACENT OCCUPIED AREAS. THIS CONTRACTOR SHALL PROVIDE MERV 8 FILTERS ON ALL EXISTING RETURN GRILLES AND SHALL REPLACE THEM ON A WEEKLY BASIS (OR MORE FREQUENTLY IF DIRECTED BY THE CHIEF MECHANICAL ENGINEER OR RESIDENT ENGINEER). NEGATIVE AIR MACHINES SHALL BE PROVIDED BY THIS CONTRACTOR IF NECESSARY. ONCE A PLAN IS ESTABLISHED WITH THE LOCAL ENGINEERING PERSONNEL, SUBMIT FOR THE RESIDENT ENGINEER AND ENGINEER OF RECORD REVIEW AND APPROVAL.
3. ALL NEW AND EXISTING DUCTWORK SHOWN ON THIS DRAWING IS LOCATED IN THE INTERSTITIAL SPACE ABOVE.
4. THE DESIGN INTENT IS TO REUSE AS MANY INTERSTITIAL FLOOR PENETRATIONS AS POSSIBLE. PRIOR TO ANY MECHANICAL CONSTRUCTION, BUT AFTER THE EXISTING CEILINGS ARE REMOVED, THIS CONTRACTOR SHALL PROVIDE AN ACCURATE PLAN SHOWING EXISTING FLOOR PENETRATIONS AND THE PROPOSED NEW DUCT LAYOUT. THE ENGINEER WILL REVIEW AND ISSUE AN ADDENDUM CLARIFYING WHICH OPENINGS MAY BE REUSED AND ANY NECESSARY REVISIONS TO THE NEW DUCT LAYOUT. FOR BIDDING PURPOSES, THIS CONTRACTOR SHALL ASSUME ALL NEW PENETRATIONS AND SHALL INCLUDE THE COST SAVINGS FOR REUSING EXISTING OPENINGS, PER PENETRATION.
5. PROVIDE MINIMUM 3' CLEARANCE TO VAV BOXES FOR ACCESS, CLEANING, ETC.

REFER TO DRAWING
MH 105A FOR
CONTINUATION.

DRAWING NOTES:

- | | | | | | | | |
|-------|--|----|---------------------------|----|---|----|---|
| 1 | NEW INLINE EXHAUST FAN SUSPENDED FROM STRUCTURE ABOVE. | 12 | SD-03, 10"Ø NK, 220 CFM. | 26 | EG-01, 22x22 NK, 50 CFM. | 35 | REFER TO DRAWING MH 105A, FOR AIR DEVICE INFORMATION. |
| 2 | SD-02, 8"Ø NK, 125 CFM. | 13 | SD-03, 10"Ø NK, 230 CFM. | 27 | RG-02, 22x22 NK, 230 CFM. | 36 | EXISTING SMOKE DETECTOR. |
| 3 | SD-02, 8"Ø NK, 155 CFM. | 14 | RG-05, 22x22 NK, 690 CFM. | 28 | RG-02, 22x22 NK, 280 CFM. | 37 | EXISTING SOUND ATTENUATOR. |
| 4 | EXISTING EXHAUST FAN. | 15 | SD-01, 6"Ø NK, 100 CFM. | 29 | RG-01, 22x22 NK, 195 CFM. | 38 | NEW SMOKE DETECTOR TO BE MONITORED VIA BUILDING AUTOMATION SYSTEM. |
| 5 | RG-01, 22x22 NK, 150 CFM. | 16 | RG-01, 22x22 NK, 100 CFM. | 30 | TD-21, 10x10 NK. | 39 | NEW SOUND ATTENUATOR. REFER TO SCHEDULE FOR ADDITIONAL INFORMATION. |
| 6 | RG-02, 22x22 NK, 210 CFM. | 17 | EG-01, 22x22 NK, 170 CFM. | 31 | SD-01, 6"Ø NK, 65 CFM. | 40 | NEW AIR MONITOR. REFER TO SCHEDULE FOR ADDITIONAL INFORMATION. |
| 7 | RG-02, 22x22 NK, 240 CFM. | 18 | RG-03, 22x22 NK, 315 CFM. | 32 | EG-01, 22x22 NK, 150 CFM. | 41 | MOUNT NEW COOLING AND HEATING COILS IN EXISTING OUTSIDE AIR DUCTWORK AS SHOWN. ROUTE CONDENSATE FROM COOLING COIL TO NEAREST FLOOR DRAIN. REFER TO SCHEDULE FOR ADDITIONAL INFORMATION. |
| 8 | EG-11, 10x10 NK, 100 CFM. | 19 | RG-02, 22x22 NK, 200 CFM. | 33 | NEW RETURN DUCT MOUNTED GRILLE EQUAL TO PRICE 630DAL TO BE SIZED AND BALANCED AFTER THE ENGINEERS REVIEW OF PRE-CONSTRUCTION FLOW TEST. | | |
| 9 | EG-01, 22x22 NK, 120 CFM. | 20 | SD-02, 8"Ø NK, 150 CFM. | 34 | LOCATE THERMOSTAT FOR THIS BOX IN INTERSTITIAL SPACE. | | |
| 10 | EXISTING EXHAUST DUCT UP FROM 4TH FLOOR. | 21 | SD-01, 6"Ø NK, 45 CFM. | | | | |
| 11 | EG-01, 22x22 NK, 110 CFM. | 22 | SD-03, 10"Ø NK, 200 CFM. | | | | |
| | | 23 | SD-02, 8"Ø NK, 190 CFM. | | | | |
| -140D | ALCOVE CRASH CART | 24 | SD-04, 12"Ø NK, 335 CFM. | | | | |
| -141 | SINGLE PATIENT ROOM | 25 | TG-01, 22x22 NK. | | | | |

NORTH



1 5TH FLOOR DUCTWORK PLAN - AREA D

ARCHITECT/ENGINEERS:

FULLERBE BECKET

VOA/ELLERBE BECKET, LLC
4798 NEW BROAD ST.
SUITE 100
ORLANDO, FL 32814

Drawing Title
5TH FLOOR DUCTWORK PLAN
WARD 5D

Approved: Project Director

Project Title	BAY PINES VAMC: INPATIENT & OUTPATIENT IMPROVEMENTS - B100 WARD 3D+5D RENOVATIONS
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Location	BAY PINES, FL
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☐ Check

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Drawn

Project Number	516CA2005D
Building Number	100

Drawing Number	100D-MH 10
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MH 105

Office of
Construction
and Facilities
Management



CONSULTANTS:

**CARASTRO &
ASSOCIATES, INC.**

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MECHANICAL ENGINEER: GEORGE F. STEFANOVICI PE#56748

VOA



VA FORM 08-6231

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