3.0 DFCM REQUIREMENTS

3.8 HVAC

Laboratory Ventilation

DETAIL DRAWINGS

DFCM DESIGN MANUAL

UNIVERSITY OF UTAH SUPPLEMENT

January 15, 2016
GENERAL INTRODUCTION TO THE UNIVERSITY OF UTAH SUPPLEMENT:

The DFCM Design Manual “Design Requirements” (State of Utah, Department of Administrative Services, Division of Facilities Construction and Management, referred to herein as “DFCM Manual” or “Manual”) dated June 11, 2009 including highlighted updates is the basis for A/E design services provided for all University of Utah projects.

This document accepts the DFCM Manual as the University of Utah standard, and supplements the Manual with requirements which are needed to satisfy University organization and mission objectives.

REVISIONS SUMMARY
for the University of Utah Supplement:

<table>
<thead>
<tr>
<th>REVISION DATE</th>
<th>LOCATION</th>
<th>SUMMARY OF CHANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>06 January 2012</td>
<td>- - -</td>
<td>University Design Standards. The former University Design Standards Chapters 1 through 12 have been reformatted and re-issued as the University of Utah Supplement to the DFCM Design Manual. Most of Chapter 1 is included in the “Design Process” supplement while other chapters have become supplemental text in the “Design Requirements” volume.</td>
</tr>
</tbody>
</table>

Note: The last revision to Lab Hood Detail Drawings occurred in July 1999.
### 3.0 DFCM REQUIREMENTS

#### 3.8 Drawing Details: Laboratory Ventilation

<table>
<thead>
<tr>
<th>DRAWING NUMBER</th>
<th>TITLE / DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH-FH3</td>
<td>Hood Connection Detail</td>
</tr>
<tr>
<td>MECH-FH4</td>
<td>Duct Connection Detail</td>
</tr>
<tr>
<td>MECH-FH7</td>
<td>Roof Curb Detail 2</td>
</tr>
</tbody>
</table>
NEW EXHAUST DUCT

+----TRANSITION AS REQUIRED

30 DEG. MAX.

SLIP JOINT-----
SEE DETAIL

EXISTING HOOD OUTLET

SILICONE SEALANT
STAINLESS STEEL SHEET METAL SCREWS OR BLIND RIVETS AT 15 DEG. INTERVALS MAXIMUM CMIN. OF 3 FASTENERS

SILICONE SEALANT

SLIP JOINT SHALL BE TIGHT TO INSIDE OF DUCT

NOTE:
SILICONE SEALANT MAY ONLY BE USED ON FIELD CONNECTIONS WHERE STAINLESS STEEL DUCTS CONNECT WITH EXHAUST FAN AND LABORATORY HOOD CONNECTIONS. ALL OTHER EXHAUST DUCT CONNECTIONS & JOINTS SHALL BE TIG OR MIG WELDED. WHERE WELDING IS NOT POSSIBLE, THIS METHOD OR AN APPROVED EQUAL MAY BE USED WITH THE PRIOR APPROVAL OF THE PROJECT MANAGER.
NOTE:
REMOVE ROOFING MATERIAL AT AREA OF NEW CURB DOWN TO ROOF STRUCTURE. THIS IS A BONDED ROOF & CONTRACTOR SHALL PERFORM THE WORK AS REQUIRED TO PRESERVE BOND.

NEW 18 GA.CURB CAP

NEW 3/4" EXTERIOR PLYWOOD. SUPPORT PLYWOOD ON 2'-0" CENTERS W/ 2"X6" LUMBER OR OTHER APPROVED METHOD

2"x14" PLATFORM BOX, ANCHOR TO STRUCTURE W/EXPANSION BOLTS.

20 GA G.I. COUNTER FLASHING

WOOD CANT STRIP

EXISTING BUILT-UP ROOF & INSULATION

SEAL JOINTS OF FLASHING WITH ROOFING CEMENT. FLASHING TO BE COMPATIBLE WITH ROOF MEMBRANE