JOB ORDER CONTRACT

Master Details

May 2013
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# Table of Contents

## Master Details

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master Details Cabinets</td>
<td>5</td>
</tr>
<tr>
<td>Master Details Ceilings</td>
<td>33</td>
</tr>
<tr>
<td>Master Details Doors</td>
<td>38</td>
</tr>
<tr>
<td>Master Details Electrical</td>
<td>56</td>
</tr>
<tr>
<td>Master Details Equip</td>
<td>57</td>
</tr>
<tr>
<td>Master Details Mech</td>
<td>61</td>
</tr>
<tr>
<td>Master Details Partitions</td>
<td>101</td>
</tr>
<tr>
<td>Master Details Plumbing</td>
<td>116</td>
</tr>
<tr>
<td>Master Details Signs</td>
<td>132</td>
</tr>
<tr>
<td>Master Details Site Wk</td>
<td>160</td>
</tr>
</tbody>
</table>
REFER TO INTERIOR ELEVATIONS FOR LENGTH (72" MAX)

3/4" PLYWD. SHELF W/HARDWOOD EDGE BAND AND WITH FINISH AS NOTED ON PROJECT DRAWINGS.

REFER TO INTERIOR ELEVATIONS FOR HEIGHT AND QTY. OF SHELVES

EQUAL

EQUAL

ELEVATION VIEW

SCALE: 3/4" = 1'-0"

NOTE: THIS ELEVATION FOR LENGTHS FROM 49" TO 72" OVERALL WIDTH.

REFER TO INTERIOR ELEVATIONS FOR LENGTH (48" MAX)

3/4" PLYWD. SHELF W/HARDWOOD EDGE BAND AND WITH FINISH AS NOTED ON PROJECT DRAWINGS.

REFER TO ELEVATIONS MAX WIDTH 16'

EXTRA HEAVY DUTY STANDARD W/ ANOCROME FINISH #87

EXTRA HEAVY DUTY BRACKET W/ ANOCROME FINISH #187L

3/4" PLYWD. END PANEL W/HARDWOOD EDGING (AT EACH END OF SHELF) AND WITH FINISH AS NOTED ON PROJECT DRAWINGS.

3/4" PLYWD. SHELF W/HARDWOOD EDGE BAND AND WITH FINISH AS NOTED ON PROJECT DRAWINGS.

FACE OF WALL.

NOTE: THIS ELEVATION FOR LENGTHS UP TO 48" OVERALL WIDTH.

ELEVATION VIEW

SCALE: 3/4" = 1'-0"

SECTION A

SCALE: 3/4" = 1'-0"

ADJUSTABLE SHELVING (STD)

DRAWN: SP

DATE: 04/13/99

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO
\(7953 \) S. Frio St., San Antonio, Texas 78229-7857

PHYSICAL PLANT SERVICES

Toll Free: 1-877-642-9999

MASTER DETAIL NO.

AC-06
ADJUSTABLE SHELVING
WOOD BASE CABINET

DRAWN: DR DATE: 10/27/98

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7703 ROSS VAUX BLVD., SAN ANTONIO, TX 78284-5620
PHYSICAL PLANT DEPARTMENT TEL: 210-567-3700
WALL LINE

(COUNTERTOP) REFER TO ELEV. FOR FINISH.

2'-0"

HARDWOOD TRIM

FRONT DRAWER OR KEY BOARD DRAWER

WOOD BLOCKING

KNEE SPACE

2'-6"

SECTION

SCALE: 3/4" = 1'-0"

WOOD DRAWER APRON

DRAWN: DR  DATE: 10/27/98

MASTER DETAIL NO.

AC-27
WALL LINE

1'0 3/4"

3/4"x1 1/2" FACING

3/4" ADJUSTABLE PLYWD. SHELF W/HARDWD. EDGE BAND.

METAL STANDARDS AND SHELF SUPPORTS

DOOR FRONT

3/4"x1 1/2" FACING

1/4" PLYWD. BACK PANEL

3/0"

SECTION
SCALE: 3/4" = 1'-0"

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7700 Frio St. San Antonio, TX 78284-7557
PHYSICAL PLANT SERVICES

ADJUSTABLE SHELVING
WOOD WALL CABINET
DRAWN: RO
DATE: 06/18/98

MASTER DETAIL NO.
AC-29
SECTION

SCALE: 3/4" = 1'-0"

WOOD FILE
BASE CABINET 30"

DRAWN: RO   DATE: 06/18/98

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
2600 Frio St., Suite 210, San Antonio, Texas 78284-7207
PHONE: (210) 567-2828

MASTER
DETAIL NO.
AC-35
ADJUSTABLE WOOD SHELF UNIT

SECTION

SCALE: 3/4" = 1'-0"

1/4" x 1" FACING

3/4" ADJUSTABLE PLYWD. SHELF W/HARDWD. EDGE BAND

METAL ANGLE BRACKET

3/4" PLYWD. WITH HARDWD. EDGE BAND

2'-8"

METAL STANDARDS W/SHELF SUPPORTS

METAL REAGENT AND BASE CAB'T. W/BLACK LAB TOP

DRAWN: EM
DATE: 08/06/98

MASTER DETAIL NO.
AC-43
SECTION

SCALE: 3/4" = 1'-0"

NOTE: REFER TO PROJECT DRAWINGS FOR FINISHES AND COUNTERTOP/CABINET MATERIALS
COUNTER TOP, REFER TO INTERIOR ELEVATION FOR FINISH

HARDWOOD TRIM

FRONT DRAWER OR KEYBOARD DRAWER

3/4" PLYWOOD LEG SUPPORT

KNEE SPACE

WALL LINE

WOOD BLOCKING

FLOOR LINE

SECTION

SCALE: 3/4"=1'-0"
SECTION

SCALE: 3/4" = 1'-0"

ADJUSTABLE SHELVING
WOOD BASE CABINET 24"

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
POSTмаг O.R.G. DR. SAN ANTONIO, TX 78284-7517
PHONE: 210-567-7000

DRAWN: DR       DATE: 09/22/98

MASTER DETAIL NO.
AC-55
WALL CABINET

SECTION
SCALE: 3/4" = 1'-0"

3/4"x1 1/2" FACING
METAL STANDARDS AND SHELF SUPPORTS
3/4" ADJUSTABLE PLYWD. SHELF W/HARDWD. EDGE BAND.

DOOR FRONT

1/4" PLYWD. BACK PANEL

12 3/4"
ADJUSTABLE SHELVING W/ BASE CABINET

SECTION

SCALE: 3/4" = 1'-0"

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7700 FLORES ST., SAN ANTONIO, TEXAS 78284-7907
PHONE: (210) 567-2800

DRAWN: SP DATE: 03/23/99

MASTER DETAIL NO. AC-77
ADJUSTABLE WOOD SHELF UNIT

SECTION
SCALE: 3/4" = 1'-0"

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO
7953 FORD CIR, SAN ANTONIO, TX 78284-7902

DRAWN: SP DATE: 02/10/99

MASTER DETAIL NO.
AC-79
ADJUSTABLE WOOD SHELF UNIT

SECTION
SCALE: 3/4" = 1'-0"

3/4" FIXED TOP AND BOTTOM SHELVES W/ HDWD. EDGE BAND

3/4" ADJUSTABLE PLYWD. SHELF W/ HARDWD. EDGE BAND

METAL STANDARDS AND SHELF SUPPORTS

1/4" CORK BD. WITH 1/2"X1/2" WD. TRIM

3/4" PLYWOOD WITH HDWD. EDGE BAND

2-3/4" PLYWOOD CENTER SUPPORT

METAL ANGLE BRACKET

1 1/4" EPOXY RESIN BLACK LAB. TOP

2"X4" WD SUPPORTS

STEEL 18" STANDARD #80 ANO

3/4" ADJ. PLYWD. SHELF W/HDWD EDGE BAND

10" STEEL SHELF BRACKET #1600LL ANO

METAL BASE CABINET

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7703 FLORENTINE CIR, SU., SAN ANTONIO, TX 78229-7002
PHONE: 210-567-3800

ADJUSTABLE WOOD SHELF UNIT
DRAWN: SL DATE: 02/24/99

MASTER DETAIL NO.
AC-84
NOTE: REFER TO PROJECT DRAWINGS FOR FINISHES.

WALL LINE

COUNTERTOP

HARDWOOD TRIM

DRAWER FRONT

DRAWER FRONT

FLOOR LINE

BACKSPLASH

WOOD BLOCKING

SECTION

SCALE: 3/4" = 1'-0"

4 DRAWER WOOD BASE CABINET

DRAWN: EM DATE: 04/15/99

MASTER DETAIL NO. AC-95
Refer to interior elevations for length (72" max)

3/4" Plywood shelf w/hardwood edge band and with finish as noted on project drawings.

Refer to interior elevations for height and qty. of shelves

Elevation View
Scale: 3/4" = 1'-0"

Note: This elevation for lengths from 49" to 72" overall width.

Refer to interior elevations for length (48" max)

3/4" Plywood shelf w/hardwood edge band and with finish as noted on project drawings.

Refer to interior elevations for height and qty. of shelves

Elevation View
Scale: 3/4" = 1'-0"

Note: This elevation for lengths up to 48" overall width.

Note: Standards to be Knape & Vogt 80 anor approved equal. Brackets to be Knape & Vogt 160LL anor approved equal. For shelves wider than 12" refer to plans for details on supports.

The University of Texas
Health Science Center, San Antonio
7703 Floyd Curl Dr., San Antonio, TX 78229
Facilities Management, 210-567-2880

Description:
Adjustable shelving

Drawn: ES
Date: 11/01/01

Master Detail No.
AC-138
NOTE: REFER TO PROJECT DRAWINGS FOR FINISHES AND COUNTERTOP/CABINET MATERIALS

3/4" PLYWOOD FIXED TOP AND BOTTOM SHELVES W/ HDWD. EDGE BAND

3/4" PLYWOOD END PANEL WITH HDWD. EDGE BAND

3/4" ADJUSTABLE PLYWD. SHELF W/ HARDWD. EDGE BAND

METAL STANDARDS AND SHELF SUPPORTS

1/4" CORK BD. WITH 1/2"X1/2" WD. TRIM

METAL ANGLE BRACKET

COUNTERTOP

BASE CABINET

SECTION
SCALE: 3/4" = 1'-0"

THE UNIVERSITY OF TEXAS HEALTH SCIENCES CENTER AT SAN ANTONIO
1905 EAST CILY, SAN ANTONIO, TX 78284-6407
PHONE: 210-562-2800

ADJUSTABLE WOOD SHELF UNIT
DRAWN: SP  DATE: 10/14/99

MASTER DETAIL NO.
AC-142
NOTE: REFER TO PROJECT DRAWINGS FOR FINISHES AND COUNTERTOP/CABINET MATERIALS

SECTION

SCALE: 3/4" = 1'-0"

3/4" PLYWOOD FIXED TOP AND BOTTOM SHELVES W/ HDWD. EDGE BAND

3/4" PLYWOOD END PANEL WITH HDWD. EDGE BAND

3/4" ADJUSTABLE PLYWD. SHELF W/ HARDWD. EDGE BAND

MATERIAL STANDARDS AND SHELF SUPPORTS

2"x4" WD SUPPORTS

1/4" CORK BD. WITH 1/2"x1/2" WD. TRIM

METAL ANGLE BRACKET

COUNTERTOP

BASE CABINET

ADJUSTABLE WOOD SHELF UNIT

DRAWN: SP
DATE: 10/14/99

MASTER DETAIL NO.
AC—143
NOTE: REFER TO PROJECT DRAWINGS FOR FINISHES

1½"x1 1½" FACING

METAL STANDARDS AND SHELF SUPPORTS

1½"x1 1½" FACING

1¼" PLYWD. BACK PANEL

3/4" ADJUSTABLE PLYWD. SHELF W/HARDWD. EDGE BAND (EQUALLY SPACE)

COUNTERTOP

HARDWOOD TRIM

FILE DRAWER FRONT

WOOD BLOCKING

1¼" PLYWD. BACK PANEL

2½" BLOCKING @ FLOOR

2½" FLOOR LINE

SECTION

SCALE: 3/4" = 1'-0"

ADJUSTABLE SHELVING W/BASE CABINET @ FILE DWR.

DRAWN: ES DATE: 03/24/2000

MASTER DETAIL NO. AC-158
SINK AND FAUCET REFER TO PLUMBING DRAWINGS

COUNTERTOP
PLASTIC LAMINATE FRONT EDGE
3/4" PLYWD. APRON

LINE OF CABINETS BEYOND (WHERE APPLICABLE)

REMOVABLE 3/8" PLYWD. COVER FASTENED W/WOOD SCREWS TO BLOCKING © ADJACENT CABINETS

FLOOR LINE

WALL LINE

REFER TO FLOOR PLAN FOR WIDTH

3/4" PLYWD. BACKSPLASH

WOOD BLOCKING

1/4" PLYWD. BACK PANEL

LINES INDICATES ANGLE REQ'D. FOR ACCESSIBLE KNEE SPACE

NOTE: REFER TO PROJECT DRAWINGS FOR FINISHES.

SECTION
SCALE: 3/4" = 1'-0"

ENLARGED VIEW
SCALE: 3" = 1'-0"

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER, SAN ANTONIO
7703 FLOYD CURL DR, SAN ANTONIO, TX, 78229
FACILITIES MANAGEMENT, 210-667-2880

DESCRIPTION:
ACCESSIBLE SINK (ADA) BASE CABINET 34" HT.

DRAWN: 53
DATE: 6/7/2000
MASTER DETAIL NO.
AC-167
PLASTIC LAMINATE COUNTERTOP

HARDWOOD TRIM

BREAD BOARD

FILE DRAWER FRONT

FLOOR LINE

WALL LINE

2'-0"

2'-6"

SECTION

SCALE: 3/4" = 1'-0"

WOOD FILE
BASE CABINET 30"

DRAWN: SP
DATE: 06/18/98

MASTER DETAIL NO. AC-169
TABLE 1: ACCESSIBLE EPOXY RESIN DROPIN SINKS SIZES

<table>
<thead>
<tr>
<th>MARK</th>
<th>Inside Dim. (in.)</th>
<th>Outside Dim. (in.)</th>
<th>Overall Height (in.)</th>
<th>Lab Tops Sink No.</th>
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<tbody>
<tr>
<td>A</td>
<td>14 X 10</td>
<td>15.6 X 11.6</td>
<td>5.8</td>
<td>A05</td>
</tr>
<tr>
<td>B</td>
<td>14 X 14</td>
<td>15.6 X 15.6</td>
<td>5.8</td>
<td>A07</td>
</tr>
<tr>
<td>C</td>
<td>18 X 15</td>
<td>19.6 X 16.6</td>
<td>5.8</td>
<td>A25</td>
</tr>
<tr>
<td>D</td>
<td>25 X 15</td>
<td>26.6 X 16.6</td>
<td>5.8</td>
<td>A55</td>
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</tbody>
</table>

ACCESSIBLE SINK AT METAL BASE CABINET 34" HT.
DRAWN: ES       DATE: 10/12/2000

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
795 FLOYD DIXON, DR., SAN ANTONIO, TX 78229-3907
PHYSICAL PLANT ENGINEERING  P.O. BOX 25-04-000
NOTE: REFER TO PROJECT DRAWINGS FOR FINISHES AND COUNTERTOP/CABINET MATERIALS

3/4" PLYWOOD FIXED TOP AND BOTTOM SHELVES W/ HDWD. EDGE BAND
3/4" PLYWOOD END PANEL WITH HDWD. EDGE BAND
3/4" ADJUSTABLE PLYWD. SHELF W/ HARDWD. EDGE BAND
METAL STANDARDS AND SHELF SUPPORTS
3/4" PLYWD. WITH HARDWOOD EDGE BANDS
METAL ANGLE BRACKET
COUNTERTOP

SECTION
SCALE: 3/4" = 1'-0"

SEE ELEVATIONS FOR BASE CABINET TYPE

ADJUSTABLE WOOD SHELF UNIT ON COUNTER

DRAWN: EM DATE: 05/21/01

MASTER DETAIL NO. AC-180
7/8" Furring Channels at 16" O.C.

One layer of 5/8" Gypsum Wall Board anchored to furring channels.

1-1/2" Carrying Channels at 4'-0" O.C.

See plans for finish.

SECTION

SCALE: 3" = 1'-0"
EXTEND STUDS TO STRUCTURAL DECK ABOVE

2 1/2" DIAGONAL STUD BRACING

SUSPENDED CEILING REFER TO PLANS

5/8" G.W.B.

METAL CORNER REINFORCING

SUSPENDED CEILING REFER TO PLANS

5/8" G.W.B.

METAL CORNER REINFORCING

FURR DOWN DETAIL
SCALE: 1 1/2" = 1'-0"

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7703 FROSS CUR, PB, SAN ANTONIO, TEXAS 78284-7003
PHASE II PLAN NUMBER: REL NO. 304-307-308

GYPSUM BOARD FURR-DOWN

DRAWN: ES DATE: 08/20/99

MASTER DETAIL NO.
AF-8
3/4" COLD ROLLED CHANNELS AT 16" O.C.

3/4" CEMENTITIOUS PLASTER SOFFIT ON METAL LATH

1-1/2" CARRYING CHANNELS AT 4'-0" O.C.

SEE PLANS FOR FINISH

SECTION

SCALE: 3" = 1'-0"
FURR DOWN DETAIL

SCALE: 1 1/2" = 1'-0"

7/8" FURRING CHANNELS AT 16" O.C.

1-1/2" CARRYING CHANNELS AT 4'-0" O.C.

4" MIN.

6" VARIES

8'-6" A.F.F.

EXISTING GWB FURR DOWN

EXISTING ACCOUSTICAL CEILING TILE & GRID

EXISTING BRACING

ONE LAYER OF 5/8 G.W.B. ANCHORED TO FURRING CHANNELS
NOTE: FOR NON-RATED APPLICATIONS, PROVIDE SAFETY GLASS. FOR FIRE-RATED APPLICATIONS UP TO 90 MIN., PROVIDE FIRE-RATED GLASS.

GLASS VIEW PANEL WITH STEEL FRAME — SEE MASTER DETAIL AD-04

DOOR AS SCHEDULED

ELEVATION VIEW
SCALE: 3/8" = 1'-0"

<table>
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<tr>
<th>Width</th>
<th>Height</th>
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<tbody>
<tr>
<td>VISIBLE LITE SIZE</td>
<td>10&quot;</td>
</tr>
<tr>
<td>GLASS ORDER SIZE</td>
<td>11&quot;</td>
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<tr>
<td>CUT OUT SIZE</td>
<td>12&quot;</td>
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THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7703 FONDS ST. DE SA ANTONIO, TX 78229-3907
PHONE: 210-567-3000

DRAWN: RG DATE: 9/16/97

MASTER DETAIL NO.
AD-01
NOTE: FOR NON-RATED APPLICATIONS, PROVIDE SAFETY GLASS. FOR FIRE-RATED APPLICATIONS UP TO 90 MIN., PROVIDE FIRE-RATED GLASS.

GLASS VIEW PANEL WITH STEEL FRAME
-SEE MASTER DETAIL AD-04

DOOR AS SCHEDULED

ELEVATION VIEW
SCALE: 3/8" = 1'-0"

<table>
<thead>
<tr>
<th>WIDTH</th>
<th>HEIGHT</th>
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<tr>
<td>6&quot;</td>
<td>33&quot;</td>
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<tr>
<td>7&quot;</td>
<td>34&quot;</td>
</tr>
<tr>
<td>8&quot;</td>
<td>35&quot;</td>
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Door Elevation
REV. DATE: 6/08/04
DRAWN: RG
DATE: 09/26/00

MASTER DETAIL NO.
AD-02
NOTE: DETAIL BASED ON AIR LOUVERS, INC. MODEL VLF-EZ BEVELED VISION LITE WITH CONTINUOUS GLASS RETAINER, AS AVAILABLE FROM WESSELY-THOMPSON HARDWARE.

OPTIONS AVAILABLE:  
- 22 GAUGE #304 STAINLESS STEEL #4 FINISH  
- ELECTRO-GALVANIZED STEEL  
- LEAD-LINED FOR X-RAY PROTECTION

SECTION  
SCALE: 3" = 1'-0"

FIRE RATINGS (WITH U.L. AND WHI CLASSIFICATION MARKINGS):

20 MINUTE: APPROVED LISTING AT 1296 SQ. IN. VISIBLE LITE (MAX. WIDTH 54", MAX. HEIGHT 54")

45 MINUTE: APPROVED LISTING AT 1296 SQ. IN. VISIBLE LITE (MAX. WIDTH 54", MAX. HEIGHT 54")

60/90 MINUTE: APPROVED LISTING AT 100 SQ. IN. VISIBLE LITE (MAX. WIDTH 10", MAX. HEIGHT 33")

VISION LITE

DRAWN: RG  DATE: 08/02/00

MASTER DETAIL NO.  AD-04
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<tr>
<td>HW1</td>
<td>3 EA. BUTTS</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>1 EA. CORBIN RUSSWIN (SEE PLAN)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>1 EA. STOP</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>1 EA. CLOSER IC#3602</td>
<td>1</td>
</tr>
<tr>
<td>HW2</td>
<td>1 EA. SMOKE SEAL</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>1 EA. MOP PLATE, 8” H</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>1 EA. ARMOR PLATE, 36” H</td>
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<tr>
<td>HW3</td>
<td>3 EA. BUTTS</td>
<td>1</td>
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<tr>
<td></td>
<td>1 EA. CORBIN RUSSWIN (SEE PLAN)</td>
<td>1</td>
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<tr>
<td></td>
<td>1 EA. CLOSER IC#3602</td>
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<tr>
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<td>1 EA. ELECTROMAG. HOLDER</td>
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<td>1 EA. SMOKE SEAL</td>
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<td></td>
<td>1 EA. MOP PLATE, 8” H</td>
<td>1</td>
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<tr>
<td></td>
<td>1 EA. ARMOR PLATE, 36” H</td>
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<td>HW4</td>
<td>4 EA. BUTTS</td>
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<td>1 EA. CORBIN RUSSWIN (SEE PLAN)</td>
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<td>1 EA. MORTISE DEADLOCK #DL4013</td>
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<td>1 EA. FLUSH BOLT</td>
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<td>HW5</td>
<td>3 EA. BUTTS</td>
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<tr>
<td></td>
<td>1 EA. CORBIN RUSSWIN (SEE PLAN)</td>
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<tr>
<td></td>
<td>1 EA. STOP</td>
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</tr>
<tr>
<td></td>
<td>1 EA. CLOSER IC#3602</td>
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<td></td>
<td>1 EA. SMOKE SEAL</td>
<td>1</td>
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<tr>
<td>HW6</td>
<td>6 EA. BUTTS FROM STOCK IC#3197</td>
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<td>2 EA. FALCON LOCKSET IC#3649</td>
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<td>2 EA. AUTOMATIC FLUSH BOLTS #FB10</td>
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<td>1 EA. DOOR COORDINATOR #CSM</td>
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<td>2 EA. CLOSURES FROM STOCK IC#3602</td>
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<tr>
<td></td>
<td>2 EA. KICK PLATES 8” X 35”</td>
<td>2</td>
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<tr>
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<td>2 EA. DOOR STOPS FROM STOCK</td>
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<tr>
<td></td>
<td>1 EA. SMOKE SEAL (FRAME) IC#3168</td>
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<tr>
<td>HW7</td>
<td>3 EA. BUTTS HINGES IC#3197</td>
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<td>1 EA. CORBIN RUSSWIN (SEE PLAN)</td>
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<td>1 EA. SMOKE SEAL (FRAM) IC#3168</td>
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<td>1 EA. SEAL-O-MATIC 36”,IC#3166</td>
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<tr>
<td>HW8</td>
<td>6 EA. BUTTS FROM STOCK</td>
<td>6</td>
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<tr>
<td></td>
<td>2 EA. EXIT DEVICES</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>2 EA. CLOSURES IC#3602</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>2 EA. KICK PLATES</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>2 EA. DOOR STOPS</td>
<td>2</td>
</tr>
<tr>
<td>HW9</td>
<td>3 EA. BUTTS</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>1 EA. CORBIN RUSSWIN (SEE PLAN)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>1 EA. STOP</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>1 EA. CLOSER IC#3602</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>1 EA. SMOKE SEAL</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>1 EA. MOP PLATE, 8” H</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>1 EA. KICK PLATE, 8” H</td>
<td>1</td>
</tr>
<tr>
<td>HW10</td>
<td>4 EA. BUTTS</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>1 EA. CORBIN RUSSWIN (SEE PLAN)</td>
<td>1</td>
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<tr>
<td></td>
<td>1 EA. MORTISE DEAD LOCK #DL4013</td>
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<td>1 EA. FLUSH BOLT</td>
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<td>1 EA. HOLD OPEN RIXON #996</td>
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<td>1 EA. SMOKE SEAL</td>
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<td>1 EA. MOP PLATE, 8” H</td>
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<tr>
<td>HW11</td>
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<td>1 EA. PUSH PLATE#73C US32D, ROCKWOOD</td>
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<td>1 EA. PULL PLATE #92 US32D, ROCKWOOD</td>
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<tr>
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<td>1 EA. CLOSER IC#3602</td>
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<tr>
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<td>1 EA. SMOKE SEAL</td>
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<tr>
<td></td>
<td>1 EA. MOP PLATE, 8” H</td>
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</tr>
<tr>
<td></td>
<td>1 EA. KICK PLATE, 8” H</td>
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</tbody>
</table>

GENERAL NOTE: DOORS TO BE PROVIDED WITH SOLID WELDED FRAMES WITH WELDED JAMB ANCHORS.
ELEVATION

SCALE: 3/8" = 1'-0"

GENERAL NOTES:
1. DOOR SHALL BE LABELED 20 MIN. 1-3/4" THICK MANUFACTURED FROM COLD-ROLLED STEEL.
2. DOOR SHALL HAVE MINIMUM 1 COAT RUST INHIBITING PAINT.
3. GLAZING SHALL BE FIRE-RATED, SAFETY-RATED CERAMIC GLASS, FIRELITE NT PREMIUM FINISH, 3/16" THICK, BY OWNER.
4. DOOR SHALL HAVE MORTISE FOR 3EA. 4-1/2" X 4" BUTT HINGES.
5. DOOR SHALL BE CUT-OUT FOR FALCON RU511A626 LEVER HANDLE LOCKSET.
6. DOOR SHALL HAVE REINFORCING FOR OWNER PROVIDED CLOSER.
7. DOOR SHALL BE REINFORCED, STIFFENED, SOUND DEADENED AND INSULATED.
8. DOOR VENDOR SHALL PROVIDE LITE FRAME KITS FOR 3/16" FIRELITE NT FIRE RATED GLASS.
9. STORY POLE WILL BE PROVIDED BY OWNER.

GLASS SCHEDULE

<table>
<thead>
<tr>
<th>MK</th>
<th>DOOR WIDTH</th>
<th>VISIBLE LITE WIDTH</th>
<th>* GLASS ORDER WIDTH</th>
<th>** CUT-OUT WIDTH</th>
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<tbody>
<tr>
<td>A</td>
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<td>24&quot;</td>
<td>25&quot;</td>
<td>26&quot;</td>
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<tr>
<td>D</td>
<td>4'-0&quot;</td>
<td>36&quot;</td>
<td>37&quot;</td>
<td>38&quot;</td>
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</table>

* GLASS ORDER HEIGHT = 32"
** CUT-OUT HEIGHT = 33"
DOUBLE DOOR HARDWARE SCHEDULE

2 SET 4"X4-1/2", BUTT HINGES, BY STANLEY, US26D FINISH, (3 PER SET) IC 3197
1 EA. FALCON LOCK SET, RU 101, US26D FINISH, IC 3649
1 SET MANUAL FLUSH BOLTS, #FB6-US32D, GLYN/JOHNSON, (2 PER SET)
ELEVATION
SCALE: 3/8" = 1'-0"

GENERAL NOTES:
1. FRAME SHALL BE BRONZE ANODIZED ALUMINUM AND NARROW STYLE DOOR, WITH 3/16" ONE-WAY MIRROR, SAFETY GLASS.
2. DOOR SHALL HAVE MORTISE FOR 3 EA. 4-1/2" X 4" BUTT HINGES.
3. DOOR SHALL BE CUT-OUT FOR FALCON RU511A626, LEVER HANDLE LOCKSET.
4. DOOR SHALL BE REINFORCED, STIFFENED, SOUND DEADENED AND INSULATED.
5. DOOR VENDOR SHALL PROVIDE LITE FRAME KITS FOR 3/16" ONE-WAY MIRROR, SAFETY GLASS.

GLASS SCHEDULE

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<thead>
<tr>
<th>MK</th>
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<th>* GLASS ORDER WIDTH</th>
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<td>27 3/4&quot;</td>
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<td>33 3/4&quot;</td>
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<td>C</td>
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<td>35 3/4&quot;</td>
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<td>D</td>
<td>4'-0&quot;</td>
<td>39&quot;</td>
<td>39 3/4&quot;</td>
<td>40&quot;</td>
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* GLASS ORDER HEIGHT = 38 7/8" & 32 5/8" (39 7/8" & 33 5/8")
** CUT OUT HEIGHT = 39 1/8" & 32 7/8" (40 1/8" & 33 7/8")
( ) = MEASUREMENTS FOR 7'-2" HIGH DOOR

Aluminum Door with Full Glazing
DRAWN: EM DATE: 01/05/00

MASTER DETAIL NO. AD-15
NOTE: FOR NON-RATED APPLICATIONS, PROVIDE SAFETY GLASS. FOR FIRE-RATED APPLICATIONS UP TO 45 MIN., PROVIDE FIRE-RATED GLASS.

GLASS SCHEDULE

<table>
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<tr>
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<td>D</td>
<td>4'-0&quot;</td>
<td>36&quot;</td>
<td>37&quot;</td>
<td>38&quot;</td>
</tr>
</tbody>
</table>

* GLASS ORDER HEIGHT = 32"
** CUT-OUT HEIGHT = 33"

ELEVATION VIEW

SCALE: 3/8" = 1'-0"

DOOR AS SCHEDULED.

MASTER DETAIL NO. AD-16

DRAWN: EM DATE: 01/18/00
RW SERIES

STANDARD SIZES: SPECIAL SIZES AND MODIFICATIONS AVAILABLE ON REQUEST

<table>
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<tr>
<th>(INCHES)</th>
<th>(mm)</th>
<th>(# of Screwdriver Cams)</th>
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</tr>
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<td>12 x 12</td>
<td>306 x 306</td>
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<tr>
<td>16 x 16</td>
<td>407 x 407</td>
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<td>18 x 18</td>
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<td>24 x 24</td>
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<td>24 x 36</td>
<td>611 x 916</td>
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</tr>
<tr>
<td>24 x 48</td>
<td>611 x 1222</td>
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</table>

"NYSTROM" RECESSED ACCESS DOOR (OR APPROVED EQUAL)

ACCESS DOOR DETAIL
HALF SCALE
NOTE: FOR FIRE-RATED APPLICATIONS UP TO 90 MIN., PROVIDE FIRE-RATED GLASS.

GLASS VIEW PANEL WITH STEEL FRAME
--SEE MASTER DETAIL AD-04

DOOR AS SCHEDULED

ELEVATION VIEW
SCALE: 3/8" = 1'-0"

<table>
<thead>
<tr>
<th>WIDTH</th>
<th>HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>VISIBLE LITE SIZE</td>
<td>6&quot;</td>
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<tr>
<td>GLASS ORDER SIZE</td>
<td>7&quot;</td>
</tr>
<tr>
<td>CUT-OUT SIZE</td>
<td>8&quot;</td>
</tr>
</tbody>
</table>

HARDWARE TYPE

1-1/2 PAIR BALL BEARINGS HINGES
CLOSER
LOCKSET W/ LEVER HANDLES BOTH SIDES
STOP
SMOKE SEAL AT FRAME JAMBS AND HEAD

45 Minute Fire Rated Door Elevation
DRAWN: RG DATE: 10/26/00

MASTER DETAIL NO.
AD-30
NOTE: FOR NON-RATED APPLICATIONS, PROVIDE WIRE GLASS.
FOR FIRE-RATED APPLICATIONS UP TO 60 MIN., PROVIDE
FIRE-RATED GLASS.

GLASS VIEW PANEL
WITH STEEL FRAME
-SEE MASTER DETAIL AD-04

ELEVATION VIEW
SCALE: 3/8" = 1'–0"

GLASS SCHEDULE

<table>
<thead>
<tr>
<th>MK</th>
<th>DOOR WIDTH</th>
<th>VISIBLE LITE WIDTH</th>
<th>* GLASS ORDER WIDTH</th>
<th>** CUT-OUT WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>3'-0&quot;</td>
<td>15&quot;</td>
<td>16&quot;</td>
<td>17&quot;</td>
</tr>
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<td>22&quot;</td>
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<tr>
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<td>29&quot;</td>
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<tr>
<td>D</td>
<td>4'-0&quot;</td>
<td>33&quot;</td>
<td>34&quot;</td>
<td>35&quot;</td>
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</table>

* GLASS ORDER HEIGHT = 34"
** CUT OUT HEIGHT = 35"
16 GA. HOLLOW METAL DOUBLE DOORS. 1 HOUR FIRE RATED

ELEVATION

SCALE: 3/8" = 1'-0"

DOUBLE DOOR HARDWARE SCHEDULE

DOOR HARDWARE:

1. EA. FALCON LOCK SET RU 101 US26D FINISH IC#3649
2. SETS 4"x4" BUTT HINGES BY STANLEY, US25D FINISH (3 PER DOOR) IC #3197
1. SET MANUAL FLUSH BOLTS, FB6-US32D GLYN/JOHNSON, (2 PER SET)
2. EA RUSSWIN DOOR CLOSER #DC2693, DOOR MOUNTED
DOUBLE DOOR HARDWARE SCHEDULE

DOOR HARDWARE:

1. EA FALCON LOCK SET RU 101 US26D FINISH IC#3649
2. SET 4"x4" BUTT HINGES BY STANLEY, US25D FINISH (3 PER DOOR) IC #3197
1. SET AUTOMATIC FLUSH BOLTS, FB41P-US32D GLYN/JOHNSON, (2 PER SET)
2. EA RUSSWIN DOOR CLOSER #DC2693, DOOR MOUNTED
1. EA COORDINATOR & FILLER BAR, GLYN/JOHNSON, COR52XFL20
STANDARD DOOR FRAME
SC 1/2" = 1'-0"

TRANSOM DOOR FRAME
SC 1/2" = 1'-0"

HARDWARE TYPE
1-1/2 PAIR BALL BEARINGS HINGES
CLOSER
LOCKSET W/ LEVER HANDLES BOTH SIDES
STOP
SMOKE SEAL AT FRAME JAMBS AND HEAD
ELEVATION VIEW

SCALE: 3/8" = 1'-0"

FLUSH WOOD DOOR/METAL FRAME, 20min. FIRE RATED:

3'-0" X 7'-0" X 1-3/4", FLUSH SOLID CORE WOOD DOOR. RIGHT HAND SWING, 20 min. FIRE RATED, RED OAK VENEER, DOOR TO BE MANUFACTURED WITH AN INCOMBUSTIBLE MINERAL CORE AND BONDED TO SOLID HARDWOOD FRAME, VENEER TO BE PLAIN SLICE WITH 1-1/4" HARDWOOD LUMBER STILES TO MATCH, STILES TO MEET AWI STANDARDS, SECTION 1300; 7th EDITION METAL LABEL SHALL BE ON HINGE SIDE TO MEET NFPA—80 STANDARDS. REFER TO LIST BELOW FOR HARDWARE TO BE USED.

HARDWARE PROVIDED BY OWNER:

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<tr>
<th>SERIES#</th>
<th>DESCRIPTION</th>
<th>SIZE</th>
<th>STYLE</th>
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<tr>
<td>#70C</td>
<td>ROCKWOOD PUSH PLATE</td>
<td>4&quot; X 16&quot;</td>
<td>BIO-GUARD</td>
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<tr>
<td>#92</td>
<td>ROCKWOOD PULL PLATE</td>
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<td>BIO-GUARD</td>
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<tr>
<td>DC2000</td>
<td>RUSSWIN CLOSER</td>
<td>1&quot; X 2&quot; X 10&quot;</td>
<td>FLUSH MOUNT</td>
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<tr>
<td>FBB-179</td>
<td>STANLEY HINGES</td>
<td>4-1/2&quot; X 4-1/2&quot;</td>
<td>BUTT</td>
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<tr>
<td>#K1050</td>
<td>ROCKWOOD KICK PLATE</td>
<td>8&quot; X 34&quot;</td>
<td>S/STEEL</td>
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</table>
1/4" TEMPERED GLASS WITH STEEL FRAME
MASTER DETAIL AD-04

TRANSOM FRAME ELEVATION
SCALE: 1/2" = 1'-0"

HARDWARE TYPE
1-1/2 PAIR BALL BEARINGS HINGES
CLOSER
LOCKSET W/ LEVER HANDLES BOTH SIDES
STOP
SMOKE SEAL AT FRAME JAMBS AND HEAD

<table>
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<tr>
<td>CUT OUT SIZE</td>
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</table>

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7960 FORD CIR. BL. SAN ANTONIO, TX 78229-3557
PHYSICIAN PRACTITIONER
TOLL FREE 1-800-555-3280

TRANSOM DOOR & FRAME
W/LITE 3'-6" X 9'-0"
DRAWN: KA
DATE: 05/10/04
MASTER DETAIL NO.
AD-42
NOTE: FOR FIRE-RATED APPLICATIONS UP TO 45 MIN., PROVIDE FIRE-RATED GLASS.

TYPICAL ELEVATION
SCALE: 3/8" = 1'-0"

GLASS SCHEDULE

<table>
<thead>
<tr>
<th>MK</th>
<th>DOOR WIDTH</th>
<th>VISIBLE LITE WIDTH</th>
<th>* GLASS ORDER WIDTH</th>
<th>** CUT-OUT WIDTH</th>
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<tr>
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<tr>
<td>D</td>
<td>4'-0&quot;</td>
<td>26&quot;</td>
<td>27&quot;</td>
<td>28&quot;</td>
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</table>

* GLASS ORDER HEIGHT = 34"
** CUT OUT HEIGHT = 35"
NOTE: FOR NON-RATED APPLICATIONS, PROVIDE SAFETY GLASS. FOR FIRE-RATED APPLICATIONS UP TO 90 MIN., PROVIDE FIRE-RATED GLASS.

GLASS VIEW PANEL WITH STEEL FRAME
—SEE MASTER DETAIL AD-04

DOOR AS SCHEDULED

ELEVATION VIEW
SCALE: 3/8" = 1'-0"

VISION PANEL SCHEDULE

<table>
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<tr>
<th>DOOR WIDTH</th>
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<th>GLASS SIZE</th>
<th>CUT OUT FRAME/SIZE</th>
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<td>7&quot;W x 35&quot;H</td>
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THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER, SAN ANTONIO
7703 FLOYD CURL DR, SAN ANTONIO, TX, 78229
FACILITIES MANAGEMENT, 210-667-2880

PROJECT DESCRIPTION:
MASTER DETAIL
WOOD DOOR WITH VISION PANEL

APPROVED BY: ______________________ DATE: ______________________

SHEET NO. AD-46
LIGHTING CONTROLS SCHEMATIC
SCALE: NOT TO SCALE

R1. MASTER SWITCH FOR ROOM TO BE LOCATED ABOVE CEILING, IC#2137.

R2. ROOM MOTION DETECTOR (AS SPECIFIED):
1. IR SENSOR, IC #2171.
2. ULTRASONIC SENSOR, IC #2170
   IN CONJUNCTION WITH POWER PACK, IC #2172.
   REFER TO WIRING SCHEMATIC FOR DETAILS.
3. DUAL TECHNOLOGY SENSOR, DT-200 OR EQUIVALENT
   IN CONJUNCTION WITH POWER PACK, IC #2172.
   REFER TO WIRING SCHEMATIC FOR DETAILS.

R3. DUAL SWITCHES TO PROVIDE 3 LIGHTING LEVELS, IC #2137.

* MOTION SENSORS IN LAB ROOM TO CONTROL ONLY OUTER
   BULBS OF FIXTURE. CENTER BULB TO BE CONTROLLED BY
   LIGHT SWITCH ONLY.

WIRING SCHEMATIC—ULTRASONIC/DT SENSOR
SCALE: NOT TO SCALE
TO CORRIDOR 64" MIN. TO WALL

TO CORRIDOR 58" MIN. TO COLUMN

LAG SCREWS, WASHERS AND CAP BY MFG.

EXISTING METAL STUDS IN WALL

PIVOT ARM

EXISTING METAL STUDS IN WALL

PROVIDE 2X WD. BLOCKING BETWEEN STUDS WHERE REQUIRED TO PROVIDE ANCHORAGE FOR DENTAL LIGHT ASSEMBLY.

BACKBOARD MOUNTING BRACKET BY MFG.

JUNCTION BOX FOR ELECTRICAL CONNECTIONS

LAG SCREWS, WASHERS AND CAP BY MFG.

BOTTOM OF BOX

71" OPTIMUM TO FLOOR

52-1/2" A.F.F.

NOTE: THE 58" DIMENSION TO COLUMN AND 64" DIMENSION TO WALL CAN BE INCREASED BY MOVING THE DENTAL LIGHT MOUNTING BRACKET TOWARDS THE CORRIDOR WALL AS REQUIRED TO CLEAR ANY EXISTING OBSTRUCTIONS TO REMAIN.

ELEVATION DETAIL

SCALE: 1" = 1'-0"

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO 7100 FONTE CIR. DR. SAN ANTONIO, TX 78284-7607 PHYSICAL PLANT ENGINEERING TOLL: 210-567-2000

Wall Mounted Dental Light Fixture

DRAWN: RG  DATE: 06/29/98

MASTER DETAIL NO. EQ-03
18"x18" aluminum floor access door model Kafa with recessed top for V.C.T. anchor top to exist. Wood blocking.

Access door frame opening line.

Provide hole in new access door for utility access thru top and utility coupling device.

Slab drop line at utility floor box.

Line of existing 2x wood blocking at floor.

NOTE: Do not attach cover to frame.

Plan Detail A
Scale: 1-1/2" = 1'-0"

18"x18" aluminum floor access hatch anchor to existing wood blocking.

Utility coupling device.

New V.C.T.

Existing flooring

Shim access door as required to provide flush installation with existing adjacent floor surface.

Existing 2x4 wood blocking.

Utility lines

Section Detail B
Scale: 1-1/2" = 1'-0"

Existing floor utility box

Existing slab line.

Floor Access Hatch

Drawn: RG

Date: 06/30/98

Master Detail No.

EQ-04
ELEVATION

SCALE: 3/8" = 1'-0"

DENTAL TREATMENT LIGHT FIXTURE ON MOVABLE ARM. FIXTURE FURNISHED BY DEPARTMENT AND INSTALLED BY PHYSICAL PLANT.

BULLETIN BOARD WITH NEW FABRIC FINISH.

INSTALL 1'-6" TALL CHAIRRAIL WITH PLASTIC LAMINATE FINISH.

INSTALL 4" RUBBER BASE.

INSTALL NEW 120V DUPLEX RECEPTACLE AT 45" A.F.F. TO TOP.

X-RAY HEAD ON MOVABLE ARM. EQUIPMENT FURNISHED BY DEPARTMENT AND INSTALLED BY PHYSICAL PLANT.

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO
7110 FUTRIBERTO DR. SAN ANTONIO, TX 78284-7537
PHYSICAL PLANT ENGINEERING TEL. NO. 210-597-3200

Wall Mounted Dental Light Fixture and X-ray Head
DRAWN: RG DATE: 10/23/98

MASTER DETAIL NO.
EQ-05
# SCHEDULE

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<th>12φ</th>
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<tr>
<td>A</td>
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<td>135</td>
<td>250</td>
<td>330</td>
<td>470</td>
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<td>B</td>
<td>SUPPLY</td>
<td>ROUND</td>
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<td>C</td>
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<td>TBD2</td>
<td>1,2</td>
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<tr>
<td>D</td>
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<td>–</td>
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<td>F</td>
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<td>EGGCRATE</td>
<td>24X24</td>
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<td>200</td>
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<td>430</td>
<td>550</td>
<td>OMNI</td>
<td>SPD</td>
<td>–</td>
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</tbody>
</table>

* - OR APPROVED EQUAL.

**GENERAL NOTES:**
1. REFER TO PLAN FOR NECK SIZE.
2. THROW DIRECTION SHOWN ON PLAN.
3. REFER TO RCP FOR CEILING TYPE PRIOR TO ORDERING.
4. PROVIDE TRANSITION FROM DUCT TO NECK SIZE AS REQUIRED.
5. REFER TO UTHSCSA MASTER DETAIL: M-05.

**KEYED NOTES:**
1. PROVIDE FACTORY INSTALLED PATTERN CONTROL BLADES.
2. PROVIDE INSULATED PLENUM AND END CAPS.
3. 120V, 1/3HP, ROOM SIDE REMOVABLE FILTER, WITH DUCT COLLAR.
4. PROVIDE HEPA FILTERS.
5. PROVIDE ROUND NECK, 18X18 BACK PAN.
6. PROVIDE ROUND NECK.

---

AIR DEVICE SCHEDULE

NO SCALE
NOTES:

1. HANG BOX FROM STRUCTURE WITH 22 GAUGE X 1” WIDE (MINIMUM) GALVANIZED STEEL STRAPS. DO NOT HANG FROM THE BOTTOM OF STRUCTURAL BEAMS.
2. SUPPORT FLEX DUCT WITH 1−1/2” X 26 GA (MIN.) SHEETMETAL STRAPS AT A MIN. OF 4 FEET INTERVALS. SAG BETWEEN SUPPORTS SHALL NOT EXCEED 1/2”/FT BETWEEN SUPPORTS. AT LEAST 1 SUPPORT SHALL BE REQUIRED ON ALL FLEXIBLE DUCTS. TOTAL LENGTH OF FLEXIBLE DUCT RUN SHALL NOT EXCEED 7−6”.
3. SEAL INSULATION TO MIXING BOX.
4. SEAL INSULATION JOINT BETWEEN FLEX DUCT AND MAIN DUCT INSULATION.
5. HOT AND COLD DUCTS. TYPICALLY THE SAME SIZE AS MIXING BOX INLETS. TRANSITION AS REQUIRED.
6. SUPPLY AIR DUCT. SEE PROJECT DRAWING FOR SIZE.
7. FLEX DUCT. SEE SCHEDULE BELOW.
8. SEAL ALL DUCT JOINTS AND CONNECTIONS TO STOP AIR LEAKS BEFORE INSULATING.

---

**SCHEDULE**

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<thead>
<tr>
<th>IC#</th>
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<th>FLEX DUCT</th>
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<tr>
<td>6” MB</td>
<td>12500</td>
<td>12226</td>
</tr>
<tr>
<td>8” MB</td>
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<td>12229</td>
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<tr>
<td>12” MB</td>
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MIXING BOX INSTALLATION DETAIL

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</tr>
<tr>
<td>DD-4</td>
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<td>75</td>
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<td>DD-6</td>
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<td>10&quot;Ø</td>
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</tr>
<tr>
<td>DD-12</td>
<td>12&quot;Ø</td>
<td>900</td>
</tr>
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</table>

**GENERAL NOTES:**

1. PROVIDE TITUS DEDV, PRICE DDS OR APPROVED EQUAL.
2. PROVIDE DDC CONTROLS AND 24V TRANSFORMER.
3. INLET SIZE FOR BOTH HOT AND COLD DECKS.
4. REFER TO UTHSCSA MASTER DETAILS:
   M-31 FOR INSTALLATION.
   M-06 FOR HONEYWELL CONTROLS. (MCDERMOTT, HAYDEN HEAD, BARSHOP)
   M-55-JE-DD FOR JCI METASYS CONTROLS EXTENDED ARCHITECTURE.

**MIXING BOX INSTALLATION DETAIL**

No Scale

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**THE UNIVERSITY OF TEXAS**
HEALTH SCIENCE CENTER, SAN ANTONIO
7703 FLOYD CURL DR, SAN ANTONIO, TX 78229
FACILITIES MANAGEMENT, 210-567-2880

**DESCRIPTION:**
MIXING BOX INSTALLATION DETAIL

**DRAWN:** CCN
**DATE:** 6/06/2012

**MASTER DETAIL NO.:** M-03
NOTES:

1. HANG BOX FROM STRUCTURE WITH 22 GAUGE X 1” WIDE (MINIMUM) GALVANIZED STEEL STRAPS. DO NOT HANG FROM THE BOTTOM OF STRUCTURAL BEAMS.

2. SUPPORT FLEX DUCT WITH SHEETMETAL STRAPS AS REQUIRED.

3. SEAL INSULATION TO MIXING BOX.

4. SEAL INSULATION JOINT BETWEEN FLEX DUCT AND MAIN DUCT INSULATION.

5. HOT AND COLD DUCTS. TYPICALLY THE SAME SIZE AS MIXING BOX INLETS. TRANSITION AS REQUIRED.

6. SUPPLY AIR DUCT. SEE PROJECT DRAWING FOR SIZE.

7. FLEX DUCT. SEE SCHEDULE BELOW.

8. SEAL ALL DUCT JOINTS AND CONNECTIONS TO STOP AIR LEAKS BEFORE INSULATING.

---

SCHEDULE

<table>
<thead>
<tr>
<th>MARK</th>
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<td>10” MB</td>
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<td>12” MB</td>
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SINGLE INLET BOX INSTALLATION DETAIL
NO SCALE
### Schedule

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<th>IC#S</th>
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<td>SD-8</td>
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<td>1200</td>
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<td>SD-12</td>
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<td>1900</td>
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</table>

General Notes:

1. PROVIDE TITUS DESV. PRICE SDV OR APPROVED EQUAL.
2. PROVIDE DDC CONTROLS AND 24V TRANSFORMER.
3. REFER TO UTHSCSA MASTER DETAILS: M-52 FOR INSTALLATION.

---

**Single Inlet Box Installation Detail**

No scale
DUCT BRANCH TAKE OFF

NO SCALE

TYPICAL FOR TOP, SIDE, AND BOTTOM DUCT BRANCHES
- SPLITTER DAMPER SHALL BE THE SAME HEIGHT AS THE INCOMING DUCT.

- SEE PLANS FOR CONNECTING DUCT DIMENSIONS OR TRANSITION DIMENSIONS

- INSTALL ONE SET OF SPLITTER DAMPER HARDWARE DURDYNE ITEM #36046 OR EQUAL.
1. HANGER SHALL BE OF 1-1/2" X 26 GA GALVANIZED STEEL, ROLLED TO FIT THE O.D. OF THE FLEX DUCT W/ A 1" TAB & 1 SCREW. ATTACH SUPPORT TO STRUCTURE ABOVE W/ A 1" TAB & 1 SCREW. DO NOT ATTACH TO OTHER HANGERS, PIPES, CONDUITS, ETC. UNLESS GIVEN SPECIFIC DIRECTIONS BY THE ENGINEER.

2. MAXIMUM SPACING OF SUPPORTS SHALL BE 4'-0".

3. MAXIMUM SAG OF 1/2" PER FT. BETWEEN SUPPORTS.

4. ALL FLEX DUCT SHALL BE SUPPORTED BY A MINIMUM OF 1 HANGER.

5. PROVIDE 1 SUPPORT WITHIN 1 DIAMETER OF A DOWNWARD BEND.

6. PROVIDE 1 SUPPORT WITHIN 1 DIAMETER OF A HORIZONTAL BEND AND A SECOND HANGER WITHIN 2 FT. ON OTHER SIDE OF BEND.

7. ALL BENDS IN FLEX DUCT SHALL BE AS ROUND AS POSSIBLE AND IN NO CASE LESS THAN 90°.

8. FLEX DUCT CONNECTIONS SHALL BE MADE TO SHEETMETAL COLLARS W/ 2 WRAPS OF DUCT TAPE OVER JOINT & A STAINLESS STEEL WORM GEAR CLAMP.

9. SEAL FLEX DUCT INSULATION TO AJOINING INSULATION WITH JOINT MASTIC.
MIXING BOX

NO SCALE

HONEYWELL MICROCELL CONTROLLER
REMOTE MICROBRIDGE
#R7515B1057

HONEYWELL MICROCELL CONTROLLER
DOUBLE PNEUMATIC OUTPUT
#RP7515B3024-4

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER, SAN ANTONIO
7703 FLOYD CURL, DR, SAN ANTONIO, TX, 78229
FACILITIES MANAGEMENT, 210-567-2880

DESCRIPTION:
MIXING BOX WITH HONEYWELL CONTROLS

DRAWN: EL
DATE: 10/15/99

MASTER DETAIL NO.
M-12
LINK-SEAL® MODULAR SEALS WITH CAST OR CORE DRILLED WALL OPENING
MANUFACTURED BY PIPELINE SEAL & INSULATOR, INC.
HOUSTON, TEXAS, U.S.A. TEL: 800-423-2410 E-MAIL: INFO@PSIPSI.COM

ELASTOMERIC SEAL ELEMENT
LS MODEL (C, L, S-316, O, OS-316, T)

BOLT
PRESSURE PLATE

CAST / CORE DRILLED HOLE
WALL

LS Model          Seal Element          Bolts/Nuts                             Pressure Plate
C                EPDM (Black)           Zinc Dichromate/Organic Coated Carbon Steel Bolt Reinforced Nylon Polymer
L                EPDM (Blue)            Zinc Dichromate/Organic Coated Carbon Steel Bolt Reinforced Nylon Polymer
O                Nitrile                Zinc Dichromate/Organic Coated Carbon Steel Bolt Reinforced Nylon Polymer
T                Silicone              Zinc Dichromate/Organic Coated Carbon Steel Bolt Steel Zinc Dichromate
(C,L,O)*S-316 (see model options) 316 Stainless Steel Reinforced Nylon Polymer

Sleeve Model     Description          Material
CS               Century-Line Sleeve     HDPE
WS               Steel Wall Sleeve      Steel

For more Material Property Information, see literature at www.linkseal.com

PIPE PENETRATION DETAIL
NO SCALE
UNIT TYPE

BLOW-THRU-POSITIVE

NOTE:
1. DEPTH OF TRAP MUST EXCEED BY ONE PIPE DIAMETER THE TOTAL STATIC PRESSURE OF FAN.
2. DRAIN SHALL HAVE A MINIMUM SLOPE OF 1/8"/FT SLOPE CONDESATE 1" PER 20' IN DIRECTION OF FLOW.
3. PIPE SIZE SHALL NOT BE SMALLER THAN DRAIN PAN OUTLET.
   TYPICAL CONDESATE DRAIN SIZE:  0-20 TONS= 1", 21-40 TONS= 1-1/4"
   41-60 TONS= 1-1/2",  61-100 TONS= 2", 101-250 TONS= 3", 251 & LARGER= 4

CONDENSATE TRAP DETAIL

NO SCALE
NOTES:
1. EXISTING STEAM SUPPLY PIPING. RESTORE TO CONDITIONS PRIOR TO COIL REPLACEMENT.
2. EXISTING CONDENSATE PIPING. RESTORE TO CONDITIONS PRIOR TO COIL REPLACEMENT.
3. INSTALL PIPING TREE, VACUUM BREAKER, AND AIR VENT AS INDICATED. REFER TO SCHEDULE FOR SPECIFICATIONS.
4. ALTERNATE TREE LOCATION IF COIL HEADER TAP IS INUNAVAILBLE, OR INCONVENIENT.
5. VACUUM BREAKER AND AIR VENT MUST BE INSTALLED ON THE STEAM SIDE, DOWNSTREAM OF THE CONTROL VALVE.
6. HORIZONTAL COIL IS SHOWN. VERTICAL COILS SHALL HAVE VACUUM BREAKER AND AIR VENT INSTALLED ACCORDING TO THE CONCEPT OF THIS DETAIL.

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<tr>
<th>ITEM</th>
<th>PRESSURE RATING(PSIG)</th>
<th>MANUFACTURER</th>
<th>MODEL#</th>
<th>INLETXOUTLET (NPT)</th>
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<tr>
<td>VACUUM BREAKER</td>
<td>210</td>
<td>SPIRAX SARCO</td>
<td>VB14</td>
<td>1/2&quot;X1/8&quot;</td>
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<td>VACUUM BREAKER</td>
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<td>SPIRAX SARCO</td>
<td>VB21</td>
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<td>SPIRAX SARCO</td>
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<td>VS202</td>
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<td>SPIRAX SARCO</td>
<td>VS206</td>
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STEAM COIL ACCESSORIES
NO SCALE:
STEAM SAMPLE COOLER DETAIL

NO SCALE

MOUNT DIVERSEY EQUIPMENT #034932 OR EQUAL STEAM SAMPLE COOLER AND SAMPLING NOZZLE PER UTILITIES SUPERVISOR INSTRUCTIONS.
NOTE:
1. SLOPE MAINS AND BRANCHES DOWN 1" PER 40' IN DIRECTION OF FLOW
2. DRIP LEG MAX PIPE DIA ≤ 4"Ø REGARDLESS OF MAIN DIA SIZE
3. SLOPE CONDENSATE 1" PER 20' IN DIRECTION OF FLOW

STEAM DRIP LEG PIPING DIAGRAM
NO SCALE:
END OF MAIN TRAP DETAIL

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER, SAN ANTONIO
7703 FLOYD CURL DR, SAN ANTONIO, TX, 78229
FACILITIES MANAGEMENT, 210-567-2880

DESCRIPTION:
END OF MAIN STEAM TRAP DETAIL

DRAWN: EL
DATE: 3/16/01
MASTER DETAIL NO. M-21
NOTES:
1. Make opening 1/8" per foot larger than damper dimensions with 1/4" min req'd.
2. Sleeve gauge ≥ gauge of duct see schedule for minimum ga. req'd.
3. Damper constructed and tested per UL 555, UL labeled, 1-1/2 hour fire rating W/212°F fusible link.
4. Seal between wall and sleeve w/approved fire stop material.
5. Mounting angles shall be a minimum of 1-1/2" x 1-1/2" x 16 ga. bolted with 1/4-20 bolts, 1/2" long welds, or screwed with no. 10 screws to damper frame or sleeve only (do not attach angles to wall). Use minimum of two fasteners per side, one fastener 1/2" from each corner with maximum fastener spacing of 8-1/2". Angles must overlap structure opening a minimum of 1" on the entire perimeter, including the corners.
6. Ducted installations shall have an access door on one side of the fire damper. Access door shall be labeled "fire damper access ", and readable from the floor.

CURTAIN TYPE FIRE DAMPER

NO SCALE:

GENERAL

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<tr>
<th>MANUFACTURER</th>
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<th>DUCTED RECTANGULAR</th>
<th>ROUND</th>
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<tr>
<td>GREENHECK</td>
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<td>DFD-155</td>
<td>DFD-155 TYPE CR</td>
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<td>DIBD20 STYLE B</td>
<td>DIBD20 STYLE R</td>
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STOCK

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DUCT ACCESS DOOR

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<td>12&quot; x 8&quot;</td>
<td>NAILOR</td>
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<td>18&quot; x 10&quot;</td>
<td>NAILOR</td>
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NOTE:
1. Or approved equal.

DRAWN: FL
DATE: 1/31/03

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER, SAN ANTONIO
7703 FLOYD CURL DR, SAN ANTONIO, TX, 78229
FACILITIES MANAGEMENT, 210-567-2880

DESCRIPTION:
CURTAIN TYPE FIRE DAMPER DETAIL

MASTER DETAIL NO.
M-22
NOTES:
1. MAKE OPENING 1/8" PER FOOT LARGER THAN DAMPER DIMENSIONS WITH 1/4" MIN RECD
2. SLEEVE GAUGE ≥ GAUGE OF DUCT. SEE SCHEDULE FOR MINIMUM GA. REQUIRED.
3. DAMPER CONSTRUCTED AND TESTED PER UL 555, UL LABELED, 1–1/2 HOUR FIRE RATING W/212°F FUSIBLE LINK
4. SEAL BETWEEN WALL AND SLEEVE W/APPROVED FIRE STOP MATERIAL
5. MOUNTING ANGLES SHALL BE A MINIMUM OF 1–1/2" X 1–1/2" X 16 GA., BOLTED WITH 1/4–20 BOLTS, 1/2" LONG WELDS, OR SCREWED WITH NO. 10 SCREWS TO DAMPER FRAME OR SLEEVE ONLY (DO NOT ATTACH ANGLES TO WALL). USE MINIMUM OF TWO FASTENERS PER SIDE, ONE FASTENER 1/2" FROM EACH CORNER WITH MAXIMUM FASTENER SPACING OF 8–1/2". ANGLES MUST OVERLAP STRUCTURE OPENING A MINIMUM OF 1" ON THE ENTIRE PERIMETER, INCLUDING THE CORNERS.
6. GRILLE IS TO BE SCREWED TO 3/4" X 3/4" X 20 GA. ANGLES PROVIDED WITH DAMPER. DO NOT SCREW GRILLE TO WALL.

**GRILLE MOUNT CURTAIN TYPE FIRE DAMPER**

**NO SCALE:**

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<td>INTEGRAL SLEEVE</td>
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<tr>
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<td>OR EQUAL</td>
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**FIRE DAMPER INSTALLATION DETAIL**

**NO SCALE**
FIRE DAMPER NOTES:

1. CEILING RADIATION DAMPER. RUSKIN CFD, CFDR, OR NAILOR 0716, 0722. ALL WITH 212°F FUSIBLE LINK. MAY BE ORDERED WITH EXTENDED FRAME.
2. GRILLE OR DIFFUSER FRAME (20 GA. MINIMUM STEEL)
3. EXTEND SHEET METAL SLEEVE FROM GRILLE TO ABOVE DAMPER MOVING PARTS, OR USE EXTENDED FRAME DAMPER.
4. #8 SHEET METAL SCREW. ON RECTANGULAR DAMPERS USE TWO PER SIDE TO FASTEN GRILLE TO DAMPER, AND TWO PER SIDE TO FASTEN SHEET METAL SLEEVE TO DAMPER. ON ROUND DAMPERS USE THREE EVENLY SPACED TO FASTEN GRILLE TO DAMPER, AND USE THREE EVENLY SPACED TO FASTEN SLEEVE TO DAMPER. IN ALL CASES INSURE THAT SCREW LENGTH AND PLACEMENT DOES NOT INTERFERE WITH DAMPER BLADE OPERATION.
5. EXTEND BRANCH TO MAIN DUCT. SEE MASTER DETAIL M-13 FOR TYPICAL BRANCH DUCT WITH BALANCING DAMPER. EXTENSION MAY CONSIST OF TRANSITION, ROUND FLEX (6" MAX.) OR SHEETMETAL DUCT.
6. CEILING GRID WITH 12 GA. STEEL SUPPORT WIRES.
7. INSULATE WITH 1/2" FIBERGLASS AND VAPOR SEAL ON SUPPLY AIR APPLICATIONS.
8. SUPPORT MAIN DUCT, BRANCH DUCT, AND FLEX DUCT AS REQUIRED. WEIGHT OF THESE ITEMS SHALL NOT REST ON DAMPER OR CEILING.
9. CEILING MATERIAL. SEE ARCHITECTURAL PLANS.

DIFFUSER DROP INSTALLATION
NO SCALE
NOTES

1. ONE CONTROLLER WILL HANDLE BOTH REHEAT COILS. ONLY ONE COIL SYSTEM IS SHOWN.

2. THESE CONTROLS MAY BE INSTALLED AFTER THE JC-80 REPLACEMENT.
SCHEDULE

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</tr>
<tr>
<td>Duct Attachment</td>
<td>#10 SHEET METAL SCREWS</td>
</tr>
<tr>
<td>L</td>
<td>40&quot;</td>
</tr>
</tbody>
</table>
**COIL SUPPORT DETAIL**

**NO SCALE:**

---

**DETAIL NOTES**

R1  UNI-STRUT BEAM.
R2  ANGLE 1"X1"X1/8" ALLOW ROOM FOR FLANGED DUCT CONNECTION ON BOTH SIDES OF COIL.
R3  COIL, OR COIL PLenum.
R4  3/8" THREADED ROD HANGER.
CHAMFERED EDGE ALL AROUND 45°

1/2" CLEAR - ALL SIDES

#4 BARS 12" O.C. BOTH WAYS

L X W

#3 BARS 12" O.C. BOTH WAYS

IMBED INTO EXISTING 1"

SEE PROJECT PLANS FOR DIMENSIONS L, W, & H.

HOUSEKEEPING PAD (TYPICAL)

SCALE: NONE
WELD, SOLDER, OR OTHER APPROVED METHOD OF SEALING AND SECURING

CURB CAP

2X6 OR FACTORY CURB

20GA. SHEET METAL FLASHING

ROOF STRUCTURE

SECURE CURB TO ROOF WITH METHOD CONSISTANT WITH ROOF CONSTRUCTION

OVERLAP NEW ROOFING MATERIAL 12" OVER EXISTING ROOF

EXTEND NEW ROOFING TO TOP OF CURB

DUCT, PIPE, OR CONDUIT

8" MIN

ROOF OPENING, SIZE FOR PENETRATING ELEMENT PLUS 2" SPACE ALL AROUND OR AS REQUIRED.

NOTES:
1. NEW ROOFING MATERIAL SHALL MATCH EXISTING ROOFING.
2. SUPPORT ELEMENT FROM BELOW AS INDICATED ELSEWHERE.

ROOF PENETRATION DETAIL
NO SCALE
ANCHOR 2X TREATED WD. CURB TO STEEL ANGLE WITH 3/8" DIA. STUD BOLTS WITH COUNTER-SUNK NUTS & WASHERS @ 24" O.C.

2" CANT STRIP

EXTEND ROOFING UP NEW CURB & OVER EXISTING ROOFING 12" MINIMUM

1/2" PLYWOOD ON 2X4 WOOD FRAMING @ 24" O.C.

REMOVE PORTION OF EXISTING ROOFING AS REQUIRED TO ALLOW FOR NEW CONST.

TEMPORARY 20 GA. SHEET METAL COVER ON 20 GA. GALV. CONTINUOUS CLEATS

2X CONTINUOUS TREATED WOOD CURB

EXISTING ROOF

EXISTING STRUCTURAL CONC. SLAB TO REMAIN

5" X 3 1/2" CONTINUOUS STEEL ANGLE ANCHOR TO EXISTING CONC. SLAB WITH EXPANSION BOLTS

ROOF OPENING, SIZE FOR PENETRATING ELEMENT PLUS 2" SPACE ALL AROUND OR AS REQUIRED

INFILL W/NEW INSULATION TO MATCH EXISTING

SAW CUT EXISTING FLOOR SLAB AS REQUIRED TO ALLOW FOR INSTALLATION OF NEW DUCT

ROOF PENETRATION DETAIL

SCALE: 1-1/2" = 1'-0"
DUCT, REFER TO PLAN FOR EXACT SIZE
SURE-SEAL/BRITE-PLY LAP SEALANT @ ALL MEMBRANE TERRMINATION POINTS (TYPICAL)
SURE-SEAL/BRITE-PLY SPICING CEMENT
SURE-SEAL/BRITE-PLY UNCURED ELASTOFORM FLASHING
EXISTING ROOFING

12" Min.
8" Min.
4" Min.

ROOF PENETRATION DETAIL
NO SCALE
NOISE REDUCER DETAIL

NOTES:
1. SHEET METAL DUCT.
2. 1" FIBERGLASS DUCT BOARD LINER.
3. EXISTING WALL.
4. EXISTING EXHAUST DUCT.
5. EXISTING CEILING OR STRUCTURE.
6. MATCH EXISTING DUCT SIZE.
7. PAINT TO MATCH ADJACENT, OR BACKGROUND WALLS.
8. 1" X 1" X 16 GA. ANGLE BRACKET.
9. NEW (OR EXISTING) BALANCING DAMPER.
KEYED NOTES:
1. OVERLAP NEW ROOFING MATERIAL 12” OVER EXISTING ROOF.
2. EXTEND NEW ROOFING TO TOP OF CURB AND FLASH WITH SHEET METAL.
3. FACTORY CURB DESIGNED TO MATCH FAN.
4. ROOF STRUCTURE.
5. SECURE CURB TO ROOF WITH METHOD CONSISTENT WITH ROOF STRUCTURE.
6. EXTEND DUCT FOR GRILLE INSTALLATION BELOW OBSTRUCTIONS.
7. INSTALL 34” X 34” METALAIRE CC5 GRILLE IN SIDE AND BOTTOM OF DUCT.
8. SEE MASTER DETAIL M-26 FOR WALL BRACKET SUPPORTS.
9. LINE DUCT WITH 1” FIBERGLASS DUCT BOARD, FOR A 34” X 34” INSIDE DIMENSION.
10. NEW ROOFING MATERIAL SHALL MATCH EXISTING ROOFING.
11. SEE SEPARATE DETAIL FOR ELECTRICAL POWER AND MOTOR CONTROL REQUIREMENTS.
NOTES:
1. MOUNT ADAPTER TO SANDBLAST EXHAUST FAN DISCHARGE WITH TWO SHEETMETAL SCREWS ON EACH OF THE FOUR SIDES.
2. PROVIDE WORM GEAR HOSE CLAMP FOR FLEX HOSE CONNECTION BY OPC TECHNICIAN.
3. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATING ADAPTER.
4. FLEX HOSE END SHOULD FIT INSIDE ROUND SECTION OF ADAPTER.
5. RECTANGULAR SECTION SHOULD FIT OVER EXHAUST FAN DISCHARGE.
CANOPY HOOD DETAIL

NO SCALE

REFER TO PROJECT PLANS FOR DUCT SIZE

HOOD SHALL BE CONSTRUCTED OF 18 GAUGE METAL. REFER TO DRAWING FOR SPECIFIC METAL TYPE.

REFER TO PROJECT PLANS FOR OPENING SIZE

ALL ENDS SHALL BE ROLL UP AND INSIDE CANOPY.
SOUND ATTENUATOR DETAIL
NO SCALE

NOTES:
1. SHEET METAL DUCT.
2. 1" FIBERGLASS DUCT BOARD LINER.
3. EXISTING WALL.
4. EXISTING EXHAUST DUCT.
5. EXISTING CEILING OR STRUCTURE.
6. MATCH EXISTING DUCT SIZE.
7. PAINT TO MATCH ADJACENT, OR BACKGROUND WALLS.
8. 1" X 1" X 16 GA. ANGLE BRACKET.
9. RELOCATE BALANCING DAMPER AS CLOSE TO BRANCH TAP AS POSSIBLE. (NOT SHOWN)
10. EXISTING COLUMN.
11. REMOVE EXISTING GRILLE.
TRANSITION AS SPECIFIED

FERNCO BOOT OR FLEXIBLE CONNECTION

GAS TIGHT DAMPER FROM B.S.C. MANUFACTURE

BIOLOGICAL SAFETY CABINET

SASH OPENING
FREEZESTAT MOUNTING DETAIL

NO SCALE

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER, SAN ANTONIO
7703 FLOYD CURL, DR, SAN ANTONIO, TX, 78229
FACILITIES MANAGEMENT, 210-567-2880

DESCRIPTION:
FREEZE STAT DETAIL

DRAWN: DK
DATE: 11/17/09
MASTER DETAIL NO. M-40
PARTITION TYPE PG1
SCALE: 3/4" = 1'-0"

PG1A — NOT RATED, NO SOUND INSULATION.
PG1B — NOT RATED, SOUND INSULATION.
PG1C — 1-HR. RATED, NO SOUND INSULATION.
PG1D — 1-HR. RATED, SOUND INSULATION.
FINISH CLG.
CASING BEAD
1 LAYER OF 5/8" G.W.B.
on both sides.
3-5/8" (22 GA.) METAL
STUDS AT 16" O.C.
BASE
FLOOR LINE
FINISH CLG.
EXTEND WALL TO CEILING
3" ACOUSTICAL
INSULATION BATTs.
at partition type
PG2B only.

PARTITION TYPE PG2
SCALE: \(\frac{3}{4}" = 1'-0"\)

PG2A - NO SOUND INSULATION
PG2B - SOUND INSULATION
PARTITION TYPE PG3

SCALE: 3/4" = 1'-0"

PG3A - NO SOUND INSULATION
PG3B - SOUND INSULATION
**Partition Type PG4**

Scale: \( \frac{3}{4}'' = 1' - 0'' \)

- **PG4A** - No Sound Insulation
- **PG4B** - Sound Insulation
PARTITION TYPE PG5
SCALE: 3/4" = 1'-0"
PARTITION TYPE PG6

SCALE: 3/4" = 1'-0"
(ONE HOUR) FIRE ASSEMBLY RATING
FOR GYPSUM BOARD PARTITIONS

1. FLOOR AND CEILING RUNNERS – STUD WIDTH BY 1-3/8 IN. DEEP CHANNEL, GALVANIZED STEEL, ATTACHED TO FLOOR WITH SCREWS SPACED 24 IN. O.C..

2. STEEL STUDS – WIDTH AS SCHEDULED BY 1-3/8 IN. DEEP CHANNEL SECTIONS WITH 1/4 IN. LIP ON EACH FLANGE TIP.

3. BATTs AND BLANKETS – MAY OR MAY NOT BE USED IN WALLS. ANY GLASS FIBER OR MINERAL WOOL BATT MATERIAL BEARING THE U.L. CLASSIFICATION MARKING AS TO FIRE RESISTANCE, OF A THICKNESS TO COMPLETELY FILL THE STUD CAVITY.

4. 5/8 IN. X 4 FT. WIDE GYPSUM WALL BOARD BEARING THE U.L. CLASSIFICATION MARKING AS TO FIRE RESISTANCE. ATTACH WALLBOARD TO STEEL STUDS AND FLOOR AND CEILING TRACK WITH 0.127 IN. DIAMETER SELF-DRILLING, SELF TAPPING SCREWS, 1 IN. LONG SPACED 8 IN. O.C. ALONG EDGES OF BOARD AND 12 IN. O.C. IN THE FIELD OF THE BOARD. JOINTS SHALL BE ORIENTED VERTICALLY AND STAGGERED ON OPPOSITE SIDES OF THE ASSEMBLY.

5. JOINT TAPE AND COMPOUND – VINYL, DRY OR PREMIXED JOINT COMPOUND, SHALL BE APPLIED IN TWO COATS TO JOINTS AND SCREW HEADS; PAPER TAPE, 2 IN. WIDE, SHALL BE EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS.
INSTALL NEW WOOD PANELING ON 5/8" GYP. BD. ON 1/2" RESILIENT CHANNELS AT 24" O.C. VERT. MAX.

EXISTING FINISH TO REMAIN.

EXISTING STUDS TO REMAIN.

SOUND ATTENUATION INSULATION.

RESILIENT CHANNEL

SECTION

SCALE: 1 1/2" = 1'-0"
EXISTING METAL STUDS

FACE OF EXISTING WALL

RECESSED SCREWS AT 32" O.C. HORIZONTAL MAX. SPACING ANCHORED TO EXISTING STUDS. PROVIDE PLASTIC LAMINATE PLUGS TO COVER SCREWS.

MITER CORNERS OF CHAIRRAIL.

PLAN DETAIL A
SCALE: 1 1/2" = 1'-0"

FACE OF EXISTING WALL

CONTINUOUS SEALANT

RECESSED SCREWS AT 32" O.C. HORIZONTAL MAX. SPACING ANCHORED TO EXISTING STUDS. PROVIDE PLASTIC LAMINATE PLUGS TO COVER SCREWS.

3/4" PLYWOOD CHAIRRAIL WITH PLASTIC LAMINATE FINISH.

SECTION B
SCALE: 1 1/2" = 1'-0"
EXISTING METAL STUDS
FACE OF EXISTING WALL
STAINLESS STEEL ROUND HEAD SCREWS WITH STAINLESS STEEL WASHERS AT 32" O.C. HORIZ. MAX. ANCHOR TO EXISTING STUDS.
MITER CORNERS OF CHAIRRAIL

PLAN DETAIL A
SCALE: 1 1/2" = 1'-0"

FACE OF EXISTING WALL
CONTINUOUS SEALANT
1/2" RADIUS
STAINLESS STEEL ROUND HEAD SCREWS WITH STAINLESS STEEL WASHERS AT 32" O.C. HORIZ. MAX. ANCHOR TO EXISTING STUDS
1/2" RADIUS
CONTINUOUS SEALANT
1X6 WOOD CHAIRRAIL WITH RADIUSED CORNERS AND PLASTIC LAMINATE FINISH.

SECTION B
SCALE: 1 1/2" = 1'-0"
EXISTING METAL STUDS
FACE OF EXISTING WALL

COUNTERSUNK EXISTING METAL STUDS
FLAT HEAD SCREWS
AT 32" O.C. HORIZ.
MAX. ANCHOR TO
EXISTING STUDS.
PROVIDE HARDWOOD PLUGS TO COVER
SCREWS

MITER CORNERS
OF CHAIRRAIL

PLAN DETAIL A
SCALE: 1 1/2" = 1'-0"

FACE OF EXISTING WALL

CONTINUOUS SEALANT

1/2" RADIUS

COUNTERSUNK FLAT
HEAD SCREWS AT 32"
O.C. HORIZ. MAX. ANCHOR
TO EXISTING STUDS
PROVIDE HARDWOOD PLUGS

1/2" RADIUS

CONTINUOUS SEALANT

3/4"X6" WOOD CHAIRRAIL
WITH RADIUSED CORNERS
AND STAINED FINISH.

SECTION B
SCALE: 1 1/2" = 1'-0"
**PLAN DETAIL A**

**FACE OF EXISTING WALL**

**COUNTERSUNK FLAT HEAD SCREWS AT 32" O.C. HORIZ. MAX. ANCHOR TO EXISTING STUDS. PROVIDE HARDWOOD PLUGS TO COVER SCREWS**

**MITER CORNERS OF CHAIRRAIL**

**EXISTING METAL STUDS**

**FACE OF EXISTING WALL**

**SCALE: 1 1/2" = 1'-0"**

**SECTION B**

**FACE OF EXISTING WALL**

**FABRIC WALL COVERING**

**1/2" RADIUS**

**COUNTERSUNK FLAT HEAD SCREWS AT 32" O.C. HORIZ. MAX. ANCHOR TO EXISTING STUDS**

**1/2" RADIUS**

**FABRIC WALL COVERING**

**1 1/2"X6" WOOD CHAIRRAIL WITH RADIUSED CORNERS AND STAINED FINISH.**

**SEE DETAIL C**

**SCALE: 1 1/2" = 1'-0"**

**DETAIL C**

**4" PLASTIC LAMINATE STRIP RECESSED IN WOOD.**

**FABRIC WALL COVERING**

**1 1/2"X6" WOOD CHAIRRAIL WITH RADIUSED CORNERS AND STAINED FINISH.**

**FACE OF EXISTING WALL**

**SCALE: 6" = 1'-0"**

**Hardwood Chairrail**

**DRAWN: RG/EM**

**DATE: 10/15/01**

**MASTER DETAIL NO.**

**Aw-05A**
DETAIL
SCALE: 3" = 1'-0"

EXTENSION OF G.W.B. PARTITION WALL (ONE SIDE ONLY)
DRAWN: ES  DATE: 12/20/99

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7953 FRED CIN. DR. 24M  MIND, TEXAS 78284-7563
PHYSICAL PLANT ENGINEERING  TEL. NO. 210-567-3966
3-5/8" DIAGONAL METAL STUD BRACING TO STRUCTURAL DECK ABOVE @8'-0" O.C. HORIZONTAL MAX. SPACING

5/8" GYPSUM WALL BOARD

5/8" GYPSUM WALL BOARD

SUSPENDED CEILING REFER TO PLANS

SUSPENDED CEILING REFER TO PLANS

EXISTING 5/8" GWB ON 3-5/8" STUD.

3-5/8" METAL STUD

DETAIL
SCALE: 3" = 1'-0"

EXTENSION OF G.W.B. PARTITION WALL (BOTH SIDES)
DRAWN: ES DATE: 12/20/99

MASTER DETAIL NO. AW-25
### PIPING LABELS

<table>
<thead>
<tr>
<th>ABBV.</th>
<th>LABEL TEXT</th>
<th>LABEL COLOR/TEXT COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>AV</td>
<td>ACID VENT</td>
<td>YELLOW/BLACK</td>
</tr>
<tr>
<td>AW</td>
<td>ACID WASTE</td>
<td>YELLOW/BLACK</td>
</tr>
<tr>
<td>CO2</td>
<td>CARBON DIOXIDE</td>
<td>YELLOW/BLACK</td>
</tr>
<tr>
<td>CHR</td>
<td>CHILLED WATER RETURN</td>
<td>GREEN/WHITE</td>
</tr>
<tr>
<td>CHS</td>
<td>CHILLED WATER SUPPLY</td>
<td>GREEN/WHITE</td>
</tr>
<tr>
<td>A</td>
<td>COMPRESSED AIR</td>
<td>YELLOW/BLACK</td>
</tr>
<tr>
<td>CD</td>
<td>CONDENSATE DRAIN</td>
<td>GREEN/WHITE</td>
</tr>
<tr>
<td>CR</td>
<td>CONDENSATE RETURN</td>
<td>GREEN/WHITE</td>
</tr>
<tr>
<td>CWR</td>
<td>CONDENSER WATER RETURN</td>
<td>GREEN/WHITE</td>
</tr>
<tr>
<td>CWS</td>
<td>CONDENSER WATER SUPPLY</td>
<td>GREEN/WHITE</td>
</tr>
<tr>
<td>DI</td>
<td>DEIONIZED WATER</td>
<td>GREEN/WHITE</td>
</tr>
<tr>
<td>DW</td>
<td>DOMESTIC COLD WATER</td>
<td>GREEN/WHITE</td>
</tr>
<tr>
<td>DHW</td>
<td>DOMESTIC HOT WATER</td>
<td>YELLOW/BLACK</td>
</tr>
<tr>
<td>DHWR</td>
<td>DOMESTIC HOT WATER RETURN</td>
<td>YELLOW/BLACK</td>
</tr>
<tr>
<td>E-SHR</td>
<td>EMERGENCY SHOWER</td>
<td>GREEN/WHITE</td>
</tr>
<tr>
<td>F</td>
<td>FIRE PROTECTION WATER</td>
<td>RED/WHITE</td>
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<tr>
<td>FOR</td>
<td>FUEL OIL RETURN</td>
<td>YELLOW/BLACK</td>
</tr>
<tr>
<td>FOS</td>
<td>FUEL OIL SUPPLY</td>
<td>YELLOW/BLACK</td>
</tr>
<tr>
<td>HWR</td>
<td>HEATING WATER RETURN</td>
<td>YELLOW/BLACK</td>
</tr>
<tr>
<td>HWS</td>
<td>HEATING WATER SUPPLY</td>
<td>YELLOW/BLACK</td>
</tr>
<tr>
<td>ICW</td>
<td>INDUSTRIAL COOLING WATER</td>
<td>GREEN/WHITE</td>
</tr>
<tr>
<td>IHW</td>
<td>INDUSTRIAL HEATING WATER</td>
<td>YELLOW/BLACK</td>
</tr>
<tr>
<td>IHWR</td>
<td>INDUSTRIAL HEATING WATER RETURN</td>
<td>YELLOW/BLACK</td>
</tr>
<tr>
<td>IA</td>
<td>INSTRUMENT AIR</td>
<td>BLUE/WHITE</td>
</tr>
<tr>
<td>LA</td>
<td>LAB AIR</td>
<td>YELLOW/BLACK</td>
</tr>
<tr>
<td>LV</td>
<td>LAB VACUUM</td>
<td>YELLOW/BLACK</td>
</tr>
<tr>
<td>MA</td>
<td>MEDICAL AIR</td>
<td>YELLOW/BLACK</td>
</tr>
<tr>
<td>MV</td>
<td>MEDICAL VACUUM</td>
<td>BLUE/WHITE</td>
</tr>
<tr>
<td>G</td>
<td>NATURAL GAS</td>
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</tr>
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<td>N2</td>
<td>NITROGEN</td>
<td>BLUE/WHITE</td>
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<td>N2O</td>
<td>NITROUS OXIDE</td>
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<tr>
<td>O2</td>
<td>OXYGEN</td>
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</tr>
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<td>OD</td>
<td>OVERFLOW DRAIN</td>
<td>YELLOW/BLACK</td>
</tr>
<tr>
<td>PCR</td>
<td>PUMPED CONDENSATE RETURN</td>
<td>YELLOW/BLACK</td>
</tr>
<tr>
<td>RL</td>
<td>REFRIGERANT LIQUID</td>
<td>YELLOW/BLACK</td>
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<tr>
<td>RS</td>
<td>REFRIGERANT SUCTION</td>
<td>YELLOW/BLACK</td>
</tr>
<tr>
<td>RD</td>
<td>REVERSE OSMOSIS WATER</td>
<td>GREEN/WHITE</td>
</tr>
<tr>
<td>ROR</td>
<td>REVERSE OSMOSIS WATER RETURN</td>
<td>GREEN/WHITE</td>
</tr>
<tr>
<td>RD</td>
<td>ROOF DRAIN</td>
<td>GREEN/WHITE</td>
</tr>
<tr>
<td>SS</td>
<td>SANITARY SEWER</td>
<td>GREEN/WHITE</td>
</tr>
<tr>
<td>V</td>
<td>SANITARY VENT</td>
<td>GREEN/WHITE</td>
</tr>
<tr>
<td>SW</td>
<td>SOFT WATER</td>
<td>GREEN/WHITE</td>
</tr>
<tr>
<td>S</td>
<td>STEAM</td>
<td>YELLOW/BLACK</td>
</tr>
</tbody>
</table>

### GENERAL NOTES:

1. PIPES SHALL BE LABELED ACCORDING TO THE TABLE ON THIS DETAIL.

2. LABELS SHOULD BE APPLIED CLOSE TO VALVES AND ADJACENT TO CHANGES IN DIRECTION, BRANCHES, AND WHERE PIPES PASS THROUGH WALLS OR FLOORS, AND AS FREQUENTLY AS NEEDED ALONG STRAIGHT RUNS TO PROVIDE CLEAR POSITIVE IDENTIFICATION.

3. LABELS SHALL HAVE THE FOLLOWING MINIMUM INFORMATION: FLUID BEING CONVEYED, ACCORDING TO TABLE AT LEFT, AND DIRECTION OF FLOW.

4. PIPE MARKERS SHALL BE EITHER A) PLASTIC FACTORY FABRICATED, FLEXIBLE, SEMI-RIGID PLASTIC, PREFORMED TO FIT AROUND PIPE OR PIPE COVERING, WITH PRINTED MARKINGS, OR B) FLEXIBLE, ADHESIVE BACKED VINYL WITH PRINTED MARKINGS.

5. PIPE MARKING SHOULD BE HIGHLY VISIBLE AND IN THE LINE OF SIGHT ACCORDING TO THE FIGURES BELOW.

6. THE TABLE BELOW INDICATES THE RECOMMENDED SIZE OF LETTERS ON LABELS.

<table>
<thead>
<tr>
<th>OUTSIDE DIAMETER OF PIPE OR COVERING</th>
<th>SIZE OF LETTERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4” TO 1-1/4”</td>
<td>1/2”</td>
</tr>
<tr>
<td>1-1/2” TO 2”</td>
<td>3/4”</td>
</tr>
<tr>
<td>2-1/2” TO 6”</td>
<td>1-1/4”</td>
</tr>
<tr>
<td>8” TO 10”</td>
<td>2-1/2”</td>
</tr>
<tr>
<td>OVER 10”</td>
<td>3-1/2”</td>
</tr>
</tbody>
</table>

### VISIBILITY OF PIPE MARKINGS

NO SCALE
NOTES:
1. SIZE CLAMP FOR PIPE O. D. IF UN-INSULATED, AND FOR INSULATED PIPING, SIZE FOR O. D. OF INSULATED PIPING SYSTEM.

2. IF CLAMP/SUPPORT ARE OF DIS-SIMILAR METALS, ISOLATE CLAMP FROM PIPING BY WRAPPING WITH DIELECTRIC TAPE.

3. FOR INSULATED PIPING, INSTALL 20 GA. GALVANIZED STEEL SUPPORT SHEILD BETWEEN PIPING AND UNISTRUT.

4. FOR INSULATED PIPING, INSTALL PIPE WITH ENOUGH SPACE TO THE BRACKET TO ALLOW INSULATION TO BE INSTALLED BETWEEN PIPE AND BRACKET.

PIPE SUPPORT ANCHOR
NO SCALE:
NOTES:

1. SIZE CLAMP FOR PIPE O. D. IF UN-INSULATED, AND FOR INSULATED PIPING, SIZE FOR O. D. OF INSULATED PIPING SYSTEM.

2. IF CLAMP/SUPPORT ARE OF DIS-SIMILAR METALS, ISOLATE CLAMP FROM PIPING BY WRAPPING PIPE WITH DIELECTRIC TAPE.

3. FOR INSULATED PIPING, INSTALL 20 GA. GALVANIZED STEEL SUPPORT SHEILD BETWEEN PIPING AND UNISTRUT.

4. FOR INSULATED PIPING, INSTALL PIPE WITH ENOUGH SPACE TO THE BRACKET TO ALLOW INSULATION TO BE INSTALLED BETWEEN PIPE AND BRACKET.
ACCEPtable ALternate connection to structure. Drilled concrete anchor w/ 2"x2"x1/8" angle-2" long min.

3/8" zinc coated all-thread rod

Pipe clamp sized for o.d. of insulated pipe

Unistrut channel

Support shield

Notes:
1. Size clamp for pipe o.d. if un-insulated, and for insulated piping, size for o.d. of insulated piping system.

2. If clamp/support are of dis-similar metals, isolate clamp from piping by wrapping pipe with dielectric tape.

3. For insulated piping, install 20 ga. galvanized steel support shield between piping and unistrut.

4. For insulated piping, install pipe with enough space to the bracket to allow insulation to be installed between pipe and bracket.
FIRE CAULK BETWEEN PENETRATING ELEMENT AND INSIDE OF SLEEVE

20GA. GALV. STEEL SLEEVE, EXTEND BEYOND WALL 1/2 WALL THICKNESS ON BOTH SIDES

PIPE, DUCT, OR CONDUIT PENETRATING WALL OR FLOOR.

RESTORE VOIDS IN WALL WITH MORTAR AROUND SLEEVE

FIT SLEEVE SECURELY INTO OPENING, OR FILL IN WITH MORTAR.
NOTE: THIS DESIGN IS BASED ON HAWS MODEL #8122H OR #8133H

CEILING LINE

BOTTOM OF SHOWER HEAD
SPRAY PATTERN
CENTERLINE OF SHOWER HEAD

8'-8"
5'-0"

82"-96" A.F.F.

SUPPLY LINE

PULL ACTIVATOR

FACE OF WALL

TRAP PRIMER

ELEVATION

SCALE: 3/8" = 1'-0"

UNIVERSAL SIGN

FACE OF WALL

SUPPLY LINE

PULL ACTIVATOR

MINIMUM CLEAR AREA. MARK WITH 2" WIDE VINYL TAPE 3M 471 GREEN

CENTERLINE OF SHOWER HEAD

2'-8"

SHOWER HEAD

2'-8"

PLAN VIEW

SCALE: 1" = 1'-0"

NOTE:
INSTALL FLOOR DRAIN BELOW SHOWER.
INSTALL TRAP PRIMER AND CONNECT TO WATER LINE IN MECHANICAL CHASE.

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER, SAN ANTONIO
7703 FLOYD CURL DR, SAN ANTONIO, TX, 78229
FACILITIES MANAGEMENT, 210-567-2880

DESCRIPTION:
ADA EMERGENCY SHOWER
NOTE: THIS DESIGN BASED ON HAWS MODEL #7260
(ALTERNATE DRAIN LOCATION BASED ON HAWS MODEL #7261)

CEILING LINE

CENTERLINE OF RETAINER BOWL

TOP OF RETAINER BOWL

FINISH FLOOR LINE

FACE OF WALL

3'-9" A.F.F.

ALTERNATE DRAIN LOCATION

ELEVATION
SCALE: 3/8" = 1'-0"

MOUNTING BRACKET

CENTERLINE OF RETAINER BOWL

7 1/2"

2'-0"

DRAIN TRAP BELOW

FACE OF WALL

SUPPLY LINE

ACTIVATOR

2" WIDE TAPE AT FLOOR (SAFETY YELLOW)

1'-3"

1'-3"

PLAN VIEW
SCALE: 1" = 1'-0"

DESCRIPTION:
EMERGENCY EYEWASH

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER, SAN ANTONIO
7703 FLOYD CURL, DR, SAN ANTONIO, TX, 78229
FACILITIES MANAGEMENT, 210-567-2880

DRAWN: RG
DATE: 10/22/97
MASTER DETAIL NO. P-07
CLOSURE PANEL OR WALL SURFACE

CHROME PLATED ESCUTCHEON

1/2" 90 DEGREE STREET ELBOW, CHROME PLATED

ANGLE STOP VALVE, CHROME PLATED, 1/2" FIP X 3/8" O.D. COMPRESSION

3/8" O.D. TUBING BY EQUIPMENT MANUFACTURER

PLAN DETAIL
SCALE: HALF SIZE
DI TANK INSTALLATION NOTES:

1. PVC BALL VALVE
2. PVC CHECK VALVE IC#7653
3. PVC PRESSURE REGULATOR IC#7762
4. DI TANK, REFER TO PLANS FOR SIZE.
5. IN-LINE WATER PURITY TEST LIGHT IC#7911, AS REQUIRED. COORDINATE WITH ELECTRICAL TRADE TO PROVIDE A 120 VOLT OUTLET WITHIN 3 FT FOR INDICATOR LIGHT. LOCATE ABOVE CABINET TOP OR IN A NORMALLY VISIBLE LOCATION.
6. CONNECT DI WATER TO EQUIPMENT.
7. SECOND DI TANK IF DUAL SYSTEM IS REQUIRED.
8. DI FAUCET WITH LIGHT IC# 7909 IF REQUIRED. COORDINATE WITH ELECTRICAL TRADE TO PROVIDE A 120 VOLT OUTLET WITHIN 3 FT FOR INDICATOR LIGHT.
9. PROVIDE RO RETURN PIPING AS CALLED FOR ON DESIGN PLANS AND/OR AT THE END OF LONG PIPE RUNS.
10. ULTRAPURE WATER SYSTEM (IF REQUIRED) PROVIDED BY DEPARTMENT.
11. TOTALIZING FLOW METER (IF REQUIRED).

DI WATER CONVERTER SYSTEM
NO SCALE

NOTES:
1. DEPARTMENT SHALL COORDINATE WITH UTILITIES TO PROVIDE AN ANNUAL WO# FOR REPLACING DI TANKS.
2. IT IS PREFERRED THAT THE DI TANK BE LOCATED UNDER A SINK, OR IN A CABINET. IF THIS IS NOT PRACTICAL, THEN COORDINATE THE LOCATION OF THE DI TANK WITH THE DEPARTMENT AND THE SUPERINTENDENT OF UTILITIES & OPERATIONS BEFORE ACCESSORIES ARE INSTALLED.
EDSTROM INDUSTRIES
SS WALL CLAMP #1200-0802
STAND OFF #1500-7549
ON BOTH SIDES OF EACH CONNECTION
AND ON MIN. OF 3' CENTERS BETWEEN
CONNECTIONS

EDSTROM INDUSTRIES
CPVC PIPE #1600-2501-060
5/8" O.D.

EDSTROM INDUSTRIES
45 DEG. FITTING ASSEMBLY W/ QUICK CONNECT #1500-3520

EDSTROM INDUSTRIES
SS WALL CLAMP #1200-0022
STAND OFF #1500-7549

QUICK CONN. DETAIL
NO SCALE
NOTES:
1. ADEQUATELY SUPPORT ASSEMBLY TO WALL.
2. REFERENCE PLANS FOR PIPE SIZE.

REFER TO MASTER DETAIL AS-29 FOR SIGN DETAILS

EMERGENCY GAS SHUT-OFF VALVE

INSTALL AS CLOSE AS POSSIBLE
W/O USING CLOSE NIPPLES
(TYP-2 PLACES)

PAINT ALL EXPOSED GAS PIPING YELLOW

GIACOMINI R602 GAS BALL VALVE. BRASS
BODY, RUBBER SEALS, CHROME-PLATED
BRASS WITH DIAMOND FINISH. 212°F MAX.
TEMP., 100 PSI MAX. WORK. PRESS. REFER
TO PLANS FOR SIZE.

4'-0" FROM FINISHED FLOOR
(VERIFY & COORD. EXACT
LOCATION WITH MILLWORK/
SHELVING, ETC.)

<table>
<thead>
<tr>
<th>GAS VALVE</th>
<th>SIZE</th>
<th>IC#</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3/8&quot;</td>
<td>6203</td>
</tr>
<tr>
<td></td>
<td>1/2&quot;</td>
<td>6204</td>
</tr>
<tr>
<td></td>
<td>3/4&quot;</td>
<td>6205</td>
</tr>
</tbody>
</table>
The diagram illustrates the components of a floor drain system, including:

- Finish floor as indicated
- Removable grate (strainer)
- Waterproof membrane
- Concrete
- Structural slab
- Sediment bucket
- Cast drain body with sump
- Rust resistant bolts in integral one piece flashing ring

### Schedule

<table>
<thead>
<tr>
<th>Mark</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Pipe Size</th>
<th>Strainer Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>FD1</td>
<td>JOSAM</td>
<td>30002-A</td>
<td>2”</td>
<td>5”</td>
</tr>
<tr>
<td>FD2</td>
<td>JOSAM</td>
<td>30003-A</td>
<td>3”</td>
<td>6”</td>
</tr>
<tr>
<td>FD3</td>
<td>JOSAM</td>
<td>30004-A</td>
<td>4”</td>
<td>7”</td>
</tr>
</tbody>
</table>

**Description:**
Floor drain detail

**Design:**
The University of Texas Health Science Center, San Antonio
7703 Floyd Curl Dr, San Antonio, TX 78229
Facilities Management, 210-567-2880

**Master detail no.:**
P-13
NOTE: INSTALL PROTECTIVE INSULATION WITH JACKET ON ALL EXPOSED PIPING BELOW SINK.

SECTION

SCALE: 3/4" = 1'-0"
EXISTING PARTITION SEE FLOOR PLANS FOR LOCATION

EXISTING STRUCTURAL CONCRETE UTILITY WELL AND SLAB TO REMAIN

REMOVE EXISTING PLYWOOD UTILITY WELL COVER

REMOVE EXISTING 2 X 4 WOOD FRAMING

REMOVE PORTION OF EXISTING WASTE LINE

REMOVE EXISTING 3/4" AIR, VACUUM AND SOFTWATER LINES AS INDICATED.

DEMOLITION UTILITY WELL SECTION
SCALE: 1" = 1'-0"

EXISTING PARTITION SEE FLOOR PLANS FOR LOCATION

1 1/2" CONCRETE FILL

REFER TO PLANS FOR FLOOR FINISH

INSTALL NEW 3/4" PLYWOOD UTILITY WELL COVER ANCHORED TO EXISTING STRUCTURAL CONCRETE SLAB

INSTALL SAND FILL

EXISTING STRUCTURAL CONCRETE FLOOR SLAB

FILL VOIDS IN PIPE SLEEVES WITH FIRE SEALANT.

CAP BELOW OR REMOVE BACK TO MAIN.

RENOVATION UTILITY WELL SECTION
SCALE: 1" = 1'-0"
2" PVC W/ 40 ea. 3/8" Ø HOLES

GRATE (REMOVABLE)

GRATE FRAME AS REQ'D

GROUT

SECTION
SCALE: 1" = 1'-0"

DRAIN SECTION
CATCH BASIN
INTERIOR DOOR NUMBER SIGN

SCALE: HALF SCALE

BLACK PLASTIC WITH 1/4" HIGH WHITE ENGRAVED CHARACTERS

DOOR FRAME

NOTE: 1. REFER TO SIGN SCHEDULE FOR EXACT NUMBER (TO REPLACE "1.234.5")

2. WHERE DOOR FRAME DOES NOT OCCUR MOUNT SIGN AT TOP OF WALL

EXTERIOR DOOR NUMBER SIGN

SCALE: HALF SCALE

CENTERLINE OF OPENING

BLACK PLASTIC W/ 1/4" HIGH WHITE ENGRAVED CHARACTERS

DOOR FRAME

NOTE: 1. REFER TO SIGN SCHEDULE FOR EXACT NUMBER (TO REPLACE "302–33")

ROOM NUMBER SIGN

SCALE: HALF SCALE

BLACK MATT PLASTIC WITH 1" HIGH WHITE CHARACTERS, RAISED 1/32" AND GRADE 2 BRAILLE

NOTE:
1. REFER TO SIGN SCHEDULE FOR EXACT NUMBER (TO REPLACE "1.234.5")

2. MOUNT AT STRIKE JAMB OF DOOR FRAME.
Accessible Women's Restroom - Directional Sign

SIGN ELEVATION
SCALE: HALF SCALE

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7703 FIOREDDINO DR., SAN ANTONIO, TEXAS 78284-7037
PHYS2, FIRST FLOOR
TEL NO: 210-939-2660

Access 22

1/2"
2 1/2"
1/2"
3 1/2"

5/8"
2 1/2"
5/8"
5/8"
2 1/2"
5/8"
1/2"
5/8"

5/8"

LIGHT BLUE FIELD WITH WHITE ARROW (DIRECTION VARIES)
5/8" HIGH WHITE TEXT ON MATT BLACK PANEL (ALSO USED FOR MENS)
LIGHT BLUE FIELD WITH WHITE PICTOGRAPH

DRAWN: DS
DATE: 8/6/97

MASTER DETAIL NO.
AS-03
Maximum Occupant Load 123

NOTE: REFER TO SIGN SCHEDULE FOR EXACT NUMBER OF OCCUPANTS (TO REPLACE "123").

SIGN ELEVATION
SCALE: HALF SCALE
BLACK MATT PLASTIC WITH 1" HIGH WHITE CHARACTERS, RAISED 1/32" AND GRADE 2 BRAILLE

NOTE: 1. REFER TO SIGN SCHEDULE FOR EXACT ROOM NAME (TO REPLACE "1ST LINE" AND "2ND LINE") AND EXACT ROOM NUMBER (TO REPLACE "1.234.5")
2. MOUNT AT STRIKE JAMB OF DOOR FRAME

ROOM NUMBER SIGN TYPE AS-01

1ST LINE
2ND LINE

1.234.5

A 60' TO FIN. F.L.R.

DOOR FRAME

SCALE: HALF SCALE

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7703 FRED ZAHN BLVD, SAN ANTONIO, TX 78229-7209
PHONE: (210) 567-2100

Two Text Line
Room Name Sign

DRAWN: RG
DATE: 9/18/97

MASTER DETAIL NO.
AS-06
BLACK MATT PLASTIC WITH 1" HIGH WHITE CHARACTERS, RAISED 1/32" AND GRADE 2 BRAILLE

NOTE: 1. REFER TO SIGN SCHEDULE FOR EXACT ROOM NAME (TO REPLACE "ONE LINE") AND EXACT ROOM NUMBER (TO REPLACE "1.234.5")

2. MOUNT AT STRIKE JAMB OF DOOR FRAME

SIGN ELEVATION
SCALE: HALF SCALE

ONE LINE

1.234.5

ROOM NUMBER
SIGN TYPE AS-1

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7703 FONDI CIR. BD. 399 SAN ANTONIO, TEXAS 78284-7697
PHYSICAL PLANT ENGINEERING TEL. (512) 788-2512

One Text Line
Room Name Sign
DRAWN: RG DATE: 9/18/97

MASTER DETAIL NO.
AS-07
PICTOGRAM (WOMAN OR MAN) RAISED 1/32" LIGHT BLUE FIELD WITH WHITE PICTOGRAPH

INTERNATIONAL SYMBOL OF ACCESSIBILITY RAISED 1/32" LIGHT BLUE FIELD WITH WHITE PICTOGRAPH

2"

8"

1 1/4"

2 1/2"

1/2"

2 1/2"

1 1/4"

8 3/8"

3 1/2"

1/2"

3 1/2"

5/8"

DOOR FRAME

BLACK MATT PLASTIC WITH 1" HIGH WHITE CHARACTERS, RAISED 1/32" AND GRADE 2 BRAILLE

ROOM NUMBER SIGN TYPE AS-01

WOMEN'S LOCKER

1.234.5

NOTE: MOUNT AT STRIKE JAMB OF DOOR FRAME.

SIGN ELEVATION

SCALE: HALF SCALE

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO
1735 ELM ST., BLD. 80 SAN ANTONIO, TX 78284-7687
PHYSICAL PLANT DIVISION TOLL FREE: 1-888-727-0000

Women's (or Men's) Locker Sign

DRAWN: DS DATE: 9/18/97

MASTER DETAIL NO. AS-08
No Entry/No Exit Signs

DRAWN: RG  DATE: 9/3/97

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7111 FUNDERS BLVD, SAN ANTONIO, TX 78229-7857
TEL: 210 745-6700

MASTER
DETAIL NO.
AS-09
DOOR WILL AUTOMATICALLY LOCK
NO RE-ENTRY

FOR EMERGENCY EXIT ONLY
ALARM WILL SOUND IF DOOR OPENS

RED MATT PLASTIC WITH
3/8" HIGH WHITE ENGRAVED CHARACTERS

SIGN ELEVATION
SCALE: HALF SCALE
STAIR #2
LEVEL 1
Terminates at Sub and 6th Levels

5/8" HIGH CHARACTERS

NOTE: REFER TO SIGN SCHEDULE FOR EXACT STAIR AND LEVEL NUMBERS (TO REPLACE "2", "1", "SUB" AND "6TH")

SIGN ELEVATION
SCALE: HALF SCALE

EXIT AT SUB LEVEL
Roof Access at 6th Level

1/4" HIGH CHARACTERS

RED MATT PLASTIC WITH WHITE CHARACTERS AND GRAPHICS, RAISED 1/32"

NOTE: REFER TO SIGN SCHEDULE FOR EXACT LEVEL NUMBERS (TO REPLACE "1ST" AND "6TH") AND FOR DIRECTION OF ARROW.

SIGN ELEVATION
SCALE: HALF SCALE

Stair Access Signs

DRAWN: RG  DATE: 9/5/97
STAIR #3
LEVEL 1

Terminates at 1st Level

NOTE: REFER TO SIGN SCHEDULE FOR EXACT STAIR AND LEVEL NUMBERS (TO REPLACE "3", "1" AND "1ST")

SIGN ELEVATION
SCALE: HALF SCALE

RED MATT PLASTIC WITH 5/8" HIGH HIGH WHITE CHARACTERS

NOTE: REFER TO SIGN SCHEDULE FOR EXACT LEVEL NUMBERS (TO REPLACE "1ST") AND FOR DIRECTION OF ARROW

SIGN ELEVATION
SCALE: HALF SCALE

EXIT AT 1ST LEVEL

STAIR Access Signs

DRAWN: RG
DATE: 9/3/97

MASTER DETAIL NO.
AS-12
IN EMERGENCY PUSH TO OPEN

SCALE: 3" = 1'-0"

IN EMERGENCY PUSH TO OPEN SIGN ELEVATION

BLACK MATT PLASTIC WITH 1/2" HIGH (BASED ON UPPERCASE) WHITE CHARACTERS RAISED 1/32"

AUTHORIZED PERSONNEL ONLY SIGN ELEVATION
SCALE: HALF SCALE

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO
FEDERAL CIVILIAN ID # 5661311010787
PHYSICAL PLANT ENGINEERING

Authorized Personnel Only Sign
In Emerg. Push To Open Sign
DRAWN: RG/DS DATE: 9/5/97

MASTER DETAIL NO. AS-13
In Case Of Fire
Elevators Are Out Of Service

Use Exit

NOTE: 1. SIGN BY LITHO/COLOR INC. DETROIT MI.
SIGN TO BE 5"X8" MODEL NUMBER F-246
2. INSTALL SIGN ABOVE ELEVATOR CALL BUTTON

SIGN ELEVATION
SCALE: HALF SCALE

Emergency Exit Sign
DRAWN: RG
DATE: 9/3/97
ELEVATOR NUMBER SIGN

Scale: Half Scale

FIREFIGHTERS' OPERATION PHASE II

To Operate Car:
- Insert Fire Key and Turn "On"
- Press Desired Floor Button

To Cancel Floor Selection:
- Press "Call Cancel" Button

To Close Door:
- Press and Hold "Door Close" Button

To Open Door:
- Press and Hold "Door Open" Button

To Hold Car at Floor:
- With Doors Open, Turn Key to "Hold"

To Return Car to Recall Floor:
- With Door Open, Turn Key to "Off"

Note: Locate adjacent to Firefighter's Elevator Control Switch in Elevator.

FIREFIGHTERS' OPERATION - PHASE II SIGN

Scale: Half Scale

FIREFIGHTERS' OPERATION PHASE I

To Recall Elevators:
- Insert Fire Key and Turn to "On"

Note: Locate adjacent to Firefighter's Elevator Control Switch in Corridor.

FIREFIGHTERS' OPERATION - PHASE I SIGN

Scale: Half Scale
DENTAL CLINIC

DIRECTIONAL SIGN - SINGLE LINE
SCALE: HALF SCALE

DENTAL DEAN ADMIN. OFFICES

DIRECTIONAL SIGN - MULTI-LINE
SCALE: HALF SCALE

SIGNS ARE FABRICATED FROM BLACK MATT PLASTIC WITH 1" HIGH WHITE CHARACTERS, RAISED 1/32".

REFER TO MASTER DETAIL AS-20 FOR MOUNTING.
NOTES:

1. REFER TO FLOOR PLAN FOR LOCATION OF DIRECTIONAL SIGNS.

2. REFER TO SIGN SCHEDULE FOR EXACT WORDING OF SIGN AND ARROW DIRECTION.

ARROW FOR DIRECTIONAL SIGN
SCALE: NO SCALE
BLACK MATT PLASTIC WITH ENGRAVED 1/2" HIGH WHITE CHARACTERS

JANE DOE

10"

OCCUPANTS NAME AND OR TITLE SIGN ELEVATION
SCALE: HALF SCALE
NO SMOKING ANYWHERE ON CAMPUS

ENGRAVED RED PICTOGRAPH

WHITE MATT PLASTIC WITH ENGRAVED 7/16" HIGH RED CHARACTERS

NO SMOKING SIGN ELEVATION
SCALE: HALF SCALE
NOTE: 1. REFER TO SIGN SCHEDULE FOR EXACT ROOM NUMBER (TO REPLACE "1.234.5")
2. MOUNT AT STRIKE JAMB OF DOOR FRAME
WALL LINE
ANCHOR BOLT
STEEL ANGLE, 1-1/2" X 1-1/2", PAINT TO MATCH WALL SURFACE
LAMINATED SIGN
THROUGH BOLT

PARTIAL ELEVATION
SCALE: 3" = 1'-0"

ANCHOR BOLT
STEEL ANGLE
LAMINATED SIGN
THROUGH BOLT
WALL LINE

SECTION "A"
SCALE: 6" = 1'-0"

Overhead Sign Mounting
DRAWN: RG         DATE: 05/12/99
MASTER DETAIL NO. AS-26
OVERHEAD SIGN MOUNTING LOCATION

CORRIDOR SECTION

SCALE: 1/2" = 1'-0"

NOTE: CENTER SIGN ABOVE CENTERLINE OF OPENING.
STUDENT LOUNGE

Reserved for student use only—From 11:00 AM to 1:30 PM

1.2345

Room number
Sign type AS-01

Note: 1. Refer to sign schedule for exact room name (to replace "1st line" and "2nd line") and exact room number (to replace "1.234.5")

2. Mount at strike jamb of door frame

Sign elevation
Scale: half scale

The University of Texas
Health Science Center at San Antonio
7703 Floyd Curl, B7, San Antonio, Texas 78284-7213
Physical Plant Department
Ref. No. 24-67-280

Student Lounge Sign

Drawn: RG
Date: 01/18/00

Master Detail No.
AS-28
EMERGENCY GAS SHUT-OFF VALVE

SIGN ELEVATION
SCALE: HALF SCALE

SIGN LOCATION
SCALE: NONE

EMERGENCY GAS SHUT-OFF VALVE

EGSO

RED PLASTIC WITH 1/2" HIGH WHITE ENGRAVED CHARACTERS
RED MATT PLASTIC WITH ENGRAVED 1/2" HIGH WHITE CHARACTERS

SHUT-OFF VALVE ACCESS

SIGN ELEVATION
SCALE: HALF SCALE
EMERGENCY SHOWER

RED MATTE PLASTIC WITH 1/2" HIGH WHITE ENGRAVED CHARACTERS (SAME FOR BOTH SIDES)

SIGN ELEVATION
SCALE: 1/4 SCALE

SIGN LOCATION
SCALE: NONE

Emergency Shower Sign

DRAWN: P.Mc.
DATE: 10/23/02

MASTER DETAIL NO.
AS-33
NOTES:

1. RAMP TO BE CONSTRUCTED WITH 3000 P.S.I. CONCRETE, REINFORCED WITH #3's AT 12” O.C. B.W.

2. PROVIDE 3/4” WIDE BY 1/4” DEEP TOOLED JOINTS AT 2–3/4” O.C. PERPENDICULAR TO SLOPE OF RAMP, EXTENDING FULL WIDTH OF CURB RAMP.

3. PROVIDE EXPANSION JOINT AT CONNECTION BETWEEN CURB RAMP AND CONCRETE WALK.

4. THE 6'-0” RAMP LENGTH IS BASED ON A STANDARD 6” HIGH CURB AT CURBS EXCEEDING THE 6” HIGH DIMENSION THE 6'-0” DIMENSION MUST BE ADJUSTED TO MAINTAIN THE 1:12 MIN. RAMP SLOPE.
1/2"x FULL DEPTH EXPANSION JOINT FILLER

CONCRETE PAVING

BREAK REINFORCING AT JOINT

SELF-LEVELING SEALANT 1/2"x 1/2"

24" LONG #4 BAR AT 8" O.C. AT EXISTING CONDITIONS, DRILL EXISTING CONCRETE AND HAMMER-FIT TIGHT. WRAP EXPOSED END WITH 30# FELT TO PREVENT BOND WITH CONCRETE

EXPANSION JOINT
SCALE: 1 1/2"=1'-0"

TOWELED CONTROL JOINT WITH SPACING NOT TO EXCEED WIDTH OF WALK OR AS NOTED ON PLANS. 1/4"

CONTROL JOINT
SCALE: 1 1/2"=1'-0"
Concrete Wheelstop

ELEVATION
SCALE: 3/4" = 1'-0"

SECTION A
SCALE: 1 1/2" = 1'-0"

CONCRETE WHEEL STOP

2-#4 REINFORCING BARS CONTINUOUS

PAVING MATERIAL

BASE MATERIAL

COMPACTED EARTH

3/4" DIA. STEEL BAR DRIFT PINS

2'-0"  1'-0"  2'-0"  1'-0"
4" CONCRETE WALK REINFORCE WITH #3 BARS AT 16" O.C. EACH WAY WITH TOP AT 2% MAX. CROSS SLOPE TO DRAIN.

FILL GRADE LINE TO 2" BELOW CONCRETE WALK

TOOLED CORNER TYPICAL

PROVIDE CONTROL JOINTS AT 10'-0" O.C. OR AS INDICATED ON PLANS AND EXPANSION JOINTS AT 40'-0" O.C. MAX.

COMPACTED SAND LEVELING BED

CONCRETE WALK AT GRADE
SCALE: 1 1/2" = 1'-0"

Concrete Walk

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO
7703 FEDERAL LN. DE SAN ANTONIO, TEXAS 78229-7857

DRAWN: RG DATE: 12/23/97
MASTER DETAIL NO. S-07
DEPRESSED CURB

PLAN A
SCALE: 3/4" = 1'-0"

PLAN B
SCALE: 3/4" = 1'-0"

PLAN C
SCALE: 3/4" = 1'-0"

PLAN D
SCALE: 3/4" = 1'-0"

DEPRESSED SECTION OF CURB

BASE MATERIAL

LELON OF DEPRESSED CURB

CONCRETE CURB

CONCRETE CURB

CONCRETE CURB

CONCRETE CURB

ASPHALT CURB

ASPHALT CURING

SOIL

BASE MATERIAL

1/2" RADIUS AT TOP AND CORNER OF CURB

1/2" RADIUS AT TOP AND CORNER OF CURB

1/2" RADIUS AT TOP OF CURB

LINE OF DEPRESSED CURB

LINE OF DEPRESSED CURB

SEE PLAN

SEE PLAN

SEE PLAN

SEE PLAN

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
Pocht 2-070 451 D S 301 0799-7510
PHIOSH S 421 10000 S 0000
DRAWN: RG
DATE: 01/16/98

MASTER DETAIL NO.
S-08
NOTES:

1. RAMP TO BE CONSTRUCTED WITH 3000 P.S.I. CONCRETE, REINFORCED WITH #3's AT 12” O.C. B.W.

2. PROVIDE 1/4” WIDE BY 1/4” DEEP TOOLED JOINTS AT 2” O.C., PERPENDICULAR TO SLOPE OF RAMP, EXTENDING FULL WIDTH OF CURB RAMP.

3. PROVIDE EXPANSION JOINT AT CONNECTION BETWEEN CURB RAMP AND CONCRETE WALK.

4. THE 6'-0” RAMP LENGTH IS BASED ON A STANDARD 6” HIGH CURB AT CURBS EXCEEDING THE 6” HIGH DIMENSION THE 6'-0” DIMENSION MUST BE ADJUSTED TO MAINTAIN THE 1:12 MIN. RAMP SLOPE.
PLAN A
SCALE: 3/4" = 1'-0"

ELEVATION/SECTION B
SCALE: 3/4" = 1'-0"
NYLON GOLF BALL SCREEN ATTACH TO STEEL CABLES WITH GALVANIZED CLIPS

BRAIDED GALVANIZED STEEL CABLE RUN THROUGH STEEL POST, LAP AND CLAMP WITH WIRE ROPE CLIPS AS REQUIRED ON EACH SIDE

12"X12"X3/4" STEEL BASE PLATE

GALVANIZED NUTS AND WASHERS

30 FOOT GALVANIZED STEEL POLE

CONCRETE FOOTING

4 ANCHOR BOLTS 1 AT EACH CORNER OF BASE PLATE

FINISH GRADE

1" CHAMFER AT CORNERS (TYP.)

4-#4 REBARS ONE AT EACH CORNER OF FOOTING

#4 REBAR CONT. AT TOP & BOTTOM

SECTION DETAIL
SCALE: 1" = 1'-0"
CREOSOTED WOOD UTILITY POLE TO BE INSTALLED BY CITY PUBLIC SERVICE

PAVING

COMPACTED BASE

COMPACTED SUBGRADE

SECTION DETAIL

SCALE: 1" = 1'-0"
Asphalt Paving For Heavy Use Traffic

SECTION
SCALE: 1 1/2" = 1' 0"

DRAWN: RG  DATE: 03/09/98
Steel Column Footing

Section: 1" = 1'-0"

10"x10"x3/4" Steel base plate with 4-3/4" dia.
Steel anchor bolts 1 at each corner of plate.

Plan Detail:
Scale: 1" = 1'-0"

24" Diameter Conc. Footing
By Walk Cover
Contractor: Steel Tube Column Welded to Base Plate

6"x6"x1/4" Steel Tube Column Weld to Base Plate
Sealant on 1/2" compressive filler
Concrete Paving

Provide precast concrete spacer blocks at top, bottom & on sides at 8'-0" O.C. vertical max.

Note: All work by owner except as noted.

The University of Texas Health Science Center at San Antonio

Drawn: RG Date: 05/14/98

Master Detail No. S-24
NOTES:

1. RAMP TO BE CONSTRUCTED WITH 3000 P.S.I. CONCRETE, REINFORCED WITH #3's AT 12" O.C. B.W.

2. PROVIDE 3/4" WIDE BY 1/4" DEEP TOOLED JOINTS AT 2–3/4" O.C. PERPENDICULAR TO SLOPE OF RAMP, EXTENDING FULL WIDTH OF CURB RAMP.

3. PROVIDE EXPANSION JOINT AT CONNECTION BETWEEN CURB RAMP AND CONCRETE WALK.

4. THE 6'-0" RAMP LENGTH IS BASED ON A STANDARD 6" HIGH CURB AT CURBS EXCEEDING THE 6" HIGH DIMENSION THE 6'-0" DIMENSION MUST BE ADJUSTED TO MAINTAIN THE 1:12 MIN. RAMP SLOPE.
SPEED BUMP FORMED WITH NEW ASPHALT PAVING. ROUGH UP EXISTING PAVING TO ALLOW NEW ASPHALT TO ADHERE.

12'-0"

EQUAL

3 1/2'-4"

EQUAL

EXISTING ASPHALT PAVING, PREPARE AS REQUIRED

SECTION A
SCALE: 1/2" = 1'-0"

SEE PLANS

12'-0"

6'-0"

6'-0"

6'-0"

10" PAINTED STRIPES (COLOR TO BE SELECTED BY DEPT.)

PLAN VIEW
SCALE: 1/8" = 1'-0"

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
FED RCP # 01565, TX # 0173

SPEED BUMP

DRAWN: GC
DATE: 09/26/99

MASTER DETAIL NO.
S-31
The Gordian Group created Job Order Contracting and a number of related construction procurement systems, including ezIQC®. The Gordian Group develops and supports, with in-house staff, the Contract Documents, Construction Task Catalog®, Technical Specifications and JOC Management Information System necessary for a successful JOC program. Our system is a competitively-bid construction procurement solution. Gordian combines industry leading expertise and technology with the world’s largest, most detailed, locally-priced construction task database for rapid deployment and long-term cost savings in the repair, maintenance and construction of buildings and infrastructure.

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