JOB ORDER CONTRACT

Master Details

May 2013
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## Master Details

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</table>
ADJUSTABLE SHELVING CABINET

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

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7703 FQUIN CIR. SAN ANTONIO, TEXAS 78284-3677
PHYSICAL PLANT ENGINEERING
TEL NO. 210-562-6805

DRAWN: SP  DATE: 02/26/99

MASTER DETAIL NO.
AC-05
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 HEIGH TAND QTY. OF SHELVES

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.

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

MASTER DETAIL NO.  AC-06
WALL LINE
(COUNTERTOP) REFER TO ELEV. FOR FINISH
HARDWOOD TRIM
BREAD BOARD
DRAWER FRONT
FILE DRAWER FRONT
FLOOR LINE

2'-0"

2'-6"

4"

3"

2XWD. BLOCKING

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

FILE/ DRAWER WOOD BASE CABINET 24"

DRAWN: RO DATE: 06/18/98

MASTER DETAIL NO. AC-22
WALL LINE

(COUNTERTOP)
REFER TO INTERIOR ELEVATION FOR FINISH

HARDWOOD TRIM

DOOR FRONT

METAL STANDARDS W/SHELF SUPPORTS

FLOOR LINE

WOOD BLOCKING

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

2'-6"

7"

2'-6"

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

ADJUSTABLE SHELVING
WOOD BASE CABINET

DRAWN: DR DATE: 10/27/98

MASTER DETAIL NO.
AC–23
FILE/DRAWER WOOD
BASE CABINET 30"

SCALE: $\frac{3}{4}" = 1'-0"$

WALL LINE
PLASTIC LAMINATE COUNTERTOP
HARDWOOD TRIM
BREAD BOARD
DRAWER FRONT
FILE DRAWER FRONT
FLOOR LINE
WOOD BLOCKING
2'-6"
7"
3"
CHASE
2'-6"
(COUNTERTOP) REFER TO ELEV. FOR FINISH.

HARDWOOD TRIM

FRONT DRAWER OR KEY BOARD DRAWER

KNEE SPACE

WALL LINE

WOOD BLOCKING

2'-0"

2'-6"

SECTION
SCALE: 3/4" = 1'-0"
ADJUSTABLE WOOD SHELF UNIT

SECTION

SCALE: 3/4" = 1'-0"
PLASTIC LAMINATE COUNTERTOP

HARDWOOD TRIM

DRAWER FRONT

DOOR FRONT

FLOOR LINE

WALL LINE

WOOD BLOCKING

2'-0"

WOOD BLOCKING

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

METAL STANDARDS W/SHELF SUPPORTS

ELEVATIONS FOR HEIGHT

REFER TO INTERIOR

SECTION

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

NOTE: REFER TO PROJECT DRAWINGS FOR FINISHES AND COUNTERTOP/CABINET MATERIALS
WOOD DESK UNIT WITH APRON

DRAWN: DR/ES DATE: 07/23/03

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7703 FLORES ST. 805, SAN ANTONIO, TX 78284-7907
PHYSICAL PLANT ENGINEERING TEL. NO. 210-348-3000

MASTER DETAIL NO.
AC-53

SECTION
SCALE: 3/4" = 1'-0"
ADJUSTABLE SHELVING
WOOD BASE CABINET 24"

SECTION
SCALE: \( \frac{3}{4}'' = 1' - 0'' \)
SECTION
SCALE: 3/4" = 1'-0"
ADJUSTABLE SHELVING
W/ BASE CABINET

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

SECTION

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7950 FLOID CIVIL, SAN ANTONIO, TEXAS 78229

DRAWN: SP
DATE: 03/23/99

MASTER DETAIL NO.
AC-77
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

STEEL 18" STANDARD #80 ANO

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

10" STEEL SHELF BRACKED #1600LL ANO

SECTION

SCALE: 3/4" = 1'-0"
3/4" PLYWD. FIXED SHELF WITH PLASTIC LAM. FINISH

12 3/4"

4 1/4"

7 3/4"

COUNTER TOP AS SPECIFIED ON PLANS

SEE ELEVATION

BASE CABINET

FLOOR LINE

SECTION

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

FIXED WOOD SHELF W/TASKLIGHT

DRAWN: SP

DATE: 03/04/99

MASTER DETAIL NO.

AC-92
NOTE: REFER TO PROJECT DRAWINGS FOR FINISHES.

WALL LINE

COUNTERTOP

HARDWOOD TRIM

BACKSPLASH

WOOD BLOCKING

DRAWER FRONT

DRAWER FRONT

FLOOR LINE

SECTION

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

4 DRAWER WOOD BASE CABINET

DRAWN: EM
DATE: 04/15/99

MASTER DETAIL NO.
AC-95
ELEVATION VIEW

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

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

SECTION A

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

NOTE: STANDARDS TO BE KNAPE & VOGT 80 ANO OR APPROVED EQUAL. BRACKETS TO BE KNAPE & VOGT 160LL ANO OR 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"

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

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

2"x4" WD SUPPORTS

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

METAL ANGLE BRACKET

COUNTERTOP

BASE CABINET

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

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

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO

7703 FERNANDO BLVD. SAN ANTONIO, TEXAS 78229-3907

PHONE: 210-567-2752
FAX: 210-567-3100

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

1/4" PLYWD. BACK PANEL

1/2" x 1 1/2" FACING

METAL STANDARDS AND SHELF SUPPORTS

1/2" x 1 1/2" FACING

1/4" PLYWD. BACK PANEL

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

COUNTERTOP

HARDWOOD TRIM

FILE DRAWER FRONT

WOOD BLOCKING

1/4" PLYWD. BACK PANEL

2' - 6"

2" x WD. BLOCKING @ FLOOR

3" 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
PLASTIC LAMINATE COUNTERTOP

HARDWOOD TRIM

BREAD BOARD

FILE DRAWER FRONT

FLOOR LINE

SECTION

SCALE: $\frac{3}{4}'' = 1' - 0''$

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>
</tr>
</thead>
<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>
</tr>
</tbody>
</table>

ACCESSIBLE SINK AT METAL BASE CABINET 34" HT.

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO 795 FLOYD DAL, 600 GUTHRUN, TEXAS 78284-7907

DRAWN: ES DATE: 10/12/2000

MASTER DETAIL NO. AC-171
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

SEE ELEVATIONS FOR
BASE CABINET TYPE

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

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7703 FIORE CV, SB, 26C MCIJD, TEL 732-4722
FACULTY PLAN SERVICE

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"

SUSPENDED GYPSUM BOARD CEILING

DRAWN: R.G.  DATE: 10/27/98
EXTEND STUDS TO STRUCTURAL DECK ABOVE

SUSPENDED CEILING REFER TO PLANS

5/8" G.W.B.

METAL CORNER REINFORCING

2 1/2" DIAGONAL STUD BRACING

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
7100 FROST CIR, IR, SAN ANTONIO, TEXAS 78284-7627
PHASE II PLAN ROOM

DRAWN: ES DATE: 08/20/99

GYPSUM BOARD FURR-DOWN

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"

PLASTER SOFFIT CEILING

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7703 FUMO CIR, IL. SAN ANTONIO, TEXAS 78284-7667
PHARMACY SERVICES
TEL: 210-58-2900

DRAWN: ES  DATE: 01/21/2000

MASTER DETAIL NO.
AF-9
WOOD COVE DETAIL

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

EXISTING CEILING GRID HANGERS

EXISTING CEILING TILE

EXISTING CEILING GRID

1"X4'S @ 36" O.C.
SPANNING ACROSS ADJACENT CEILING GRIDS.

CURTAIN TRACK
(BY CONTRACTOR)

FABRIC CURTAIN
(BY CONTRACTOR)

3/4" PLYWOOD WITH HARDWOOD EDGE BAND
(PAINT FLAT BLACK)

COUNTINUOUS 2" #8 ANCHOR TO 2X4'S WITH ROUND HEAD SCREWS & WASHERS

WOOD COVE AT CURTAIN TRACK

DRAWN: KA  DATE: 07/30/02

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7912 FLOYD CURL BL, SAN ANTONIO, TX 78229-7653

MANUFACTURER  TECHNICAL SERVICES  PHONE: 210-567-2801

WOOD COVE AT CURTAIN TRACK

DRAWN: KA  DATE: 07/30/02

MASTER DETAIL NO.

AF–12
NOTE: FOR NON-RATED APPLICATIONS, PROVIDE SAFETY GLASS. 
FOR FIRE-RATED APPLICATIONS UP TO 90 MIN., PROVIDE 
FIRE-RATED GLASS.

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>10&quot;</td>
</tr>
<tr>
<td>Glass ORDER SIZE</td>
<td>11&quot;</td>
</tr>
<tr>
<td>Cut OUT SIZE</td>
<td>12&quot;</td>
</tr>
</tbody>
</table>
NOTE: FOR NON-RATED APPLICATIONS, PROVIDE SAFETY GLASS. FOR FIRE-RATED APPLICATIONS UP TO 90 MIN., PROVIDE FIRE-RATED GLASS.

ELEVATION VIEW

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

<table>
<thead>
<tr>
<th>Width</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>33&quot;</td>
</tr>
<tr>
<td>7&quot;</td>
<td>34&quot;</td>
</tr>
<tr>
<td>8&quot;</td>
<td>35&quot;</td>
</tr>
</tbody>
</table>

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

DOOR AS SCHEDULED
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

1-3/4" DOOR ONLY  
#8X7/8" FLATHEAD PHILLIPS HEAD SMS.  
20 GAUGE CRS FRAME

1/4" FIRE RATED GLASS WITH U.L. CLASSIFICATION MARKINGS FOR FIRE RATED APPLICATIONS  
20 GAUGE C.R.S. FRAME WITH MINERAL BRONZE BAKED ON POWDER COAT. (SPECIAL ORDER COLORS AND GRAY PRIMER AVAILABLE). TO BE FACTORY INSTALLED.

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")
<table>
<thead>
<tr>
<th>HW1 (SINGLE, NON-RATED)</th>
<th>HW7 (SINGLE, NON-RATED)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 EA. BUTTS</td>
<td>3 EA. BUTTS HINGES IC#3197</td>
</tr>
<tr>
<td>1 EA. CORBIN RUSSWIN (SEE PLAN)</td>
<td>1 EA. CORBIN RUSSWIN (SEE PLAN)</td>
</tr>
<tr>
<td>1 EA. STOP</td>
<td>1 EA. SMOKE SEAL (FRAM) IC#3168</td>
</tr>
<tr>
<td>HW2 (SINGLE, FIRE-RATED, &quot;LABS&quot;)</td>
<td>1 EA. SEAL-O-MATIC 36&quot; IC#3166</td>
</tr>
<tr>
<td>3 EA. BUTTS</td>
<td></td>
</tr>
<tr>
<td>1 EA. CORBIN RUSSWIN (SEE PLAN)</td>
<td></td>
</tr>
<tr>
<td>1 EA. STOP</td>
<td></td>
</tr>
<tr>
<td>1 EA. CLOSER IC#3602</td>
<td></td>
</tr>
<tr>
<td>1 EA. SMOKE SEAL</td>
<td></td>
</tr>
<tr>
<td>1 EA. MOP PLATE, 8&quot; H</td>
<td></td>
</tr>
<tr>
<td>1 EA. ARMOR PLATE, 36&quot; H</td>
<td></td>
</tr>
<tr>
<td>HW3 (SINGLE, FIRE-RATED, &quot;LABS&quot;)</td>
<td></td>
</tr>
<tr>
<td>3 EA. BUTTS</td>
<td></td>
</tr>
<tr>
<td>1 EA. CORBIN RUSSWIN (SEE PLAN)</td>
<td></td>
</tr>
<tr>
<td>1 EA. CLOSER IC#3602</td>
<td></td>
</tr>
<tr>
<td>1 EA. ELECTROMAG. HOLDER</td>
<td></td>
</tr>
<tr>
<td>1 EA. SMOKE SEAL</td>
<td></td>
</tr>
<tr>
<td>1 EA. MOP PLATE, 8&quot; H</td>
<td></td>
</tr>
<tr>
<td>1 EA. ARMOR PLATE, 36&quot; H</td>
<td></td>
</tr>
<tr>
<td>HW4 (SINGLE, DUTCH DOOR, NON-RATED, &quot;OFFICE&quot;)</td>
<td></td>
</tr>
<tr>
<td>4 EA. BUTTS</td>
<td></td>
</tr>
<tr>
<td>1 EA. CORBIN RUSSWIN (SEE PLAN)</td>
<td></td>
</tr>
<tr>
<td>1 EA. MORTISE DEADLOCK #DL4013</td>
<td></td>
</tr>
<tr>
<td>1 EA. FLUSH BOLT</td>
<td></td>
</tr>
<tr>
<td>HW5 (SINGLE, NON-RATED, &quot;OFFICE&quot;)</td>
<td></td>
</tr>
<tr>
<td>3 EA. BUTTS</td>
<td></td>
</tr>
<tr>
<td>1 EA. CORBIN RUSSWIN (SEE PLAN)</td>
<td></td>
</tr>
<tr>
<td>1 EA. STOP</td>
<td></td>
</tr>
<tr>
<td>1 EA. CLOSER IC#3602</td>
<td></td>
</tr>
<tr>
<td>1 EA. SMOKE SEAL</td>
<td></td>
</tr>
<tr>
<td>HW6 (DOUBLE, FIRE-RATED)</td>
<td></td>
</tr>
<tr>
<td>6 EA. BUTTS FROM STOCK IC#3197</td>
<td></td>
</tr>
<tr>
<td>2 EA. FALCON LOCKSET IC#3649</td>
<td></td>
</tr>
<tr>
<td>2 EA. AUTOMATIC FLUSH BOLTS #FB10</td>
<td></td>
</tr>
<tr>
<td>1 EA. DOOR COORDINATOR #CSM</td>
<td></td>
</tr>
<tr>
<td>2 EA. CLOSURES FROM STOCK IC#3602</td>
<td></td>
</tr>
<tr>
<td>2 EA. KICK PLATES 8&quot; X 35&quot;</td>
<td></td>
</tr>
<tr>
<td>2 EA. DOOR STOPS FROM STOCK</td>
<td></td>
</tr>
<tr>
<td>1 EA. SMOKE SEAL (FRAME) IC#3168</td>
<td></td>
</tr>
<tr>
<td>HW8 (DOUBLE, NON-RATED)</td>
<td></td>
</tr>
<tr>
<td>6 EA. BUTTS FROM STOCK</td>
<td></td>
</tr>
<tr>
<td>2 EA. EXIT DEVICES</td>
<td></td>
</tr>
<tr>
<td>2 EA. CLOSURES IC#3602</td>
<td></td>
</tr>
<tr>
<td>2 EA. KICK PLATES</td>
<td></td>
</tr>
<tr>
<td>2 EA. DOOR STOPS</td>
<td></td>
</tr>
<tr>
<td>HW9 (SINGLE, FIRE-RATED, &quot;OFFICE&quot;)</td>
<td></td>
</tr>
<tr>
<td>3 EA. BUTTS</td>
<td></td>
</tr>
<tr>
<td>1 EA. CORBIN RUSSWIN (SEE PLAN)</td>
<td></td>
</tr>
<tr>
<td>1 EA. STOP</td>
<td></td>
</tr>
<tr>
<td>1 EA. CLOSER IC#3602</td>
<td></td>
</tr>
<tr>
<td>1 EA. SMOKE SEAL</td>
<td></td>
</tr>
<tr>
<td>1 EA. MOP PLATE, 8&quot; H</td>
<td></td>
</tr>
<tr>
<td>1 EA. KICK PLATE, 8&quot; H</td>
<td></td>
</tr>
<tr>
<td>HW10 (SINGLE, DUTCH DOOR FIRE-RATED)</td>
<td></td>
</tr>
<tr>
<td>4 EA. BUTTS</td>
<td></td>
</tr>
<tr>
<td>1 EA. CORBIN RUSSWIN (SEE PLAN)</td>
<td></td>
</tr>
<tr>
<td>1 EA. MORTISE DEAD LOCK #DL4013</td>
<td></td>
</tr>
<tr>
<td>1 EA. FLUSH BOLT</td>
<td></td>
</tr>
<tr>
<td>1 EA. STOP</td>
<td></td>
</tr>
<tr>
<td>1 EA. HOLD OPEN RIXON #996</td>
<td></td>
</tr>
<tr>
<td>1 EA. CLOSER IC#3602</td>
<td></td>
</tr>
<tr>
<td>1 EA. SMOKE SEAL</td>
<td></td>
</tr>
<tr>
<td>1 EA. MOP PLATE, 8&quot; H</td>
<td></td>
</tr>
<tr>
<td>HW11 (SINGLE, FIRE-RATED REST ROOM)</td>
<td></td>
</tr>
<tr>
<td>3 EA. 4-1/2&quot; X 4-1/2 BUTT IC#3194</td>
<td></td>
</tr>
<tr>
<td>1 EA. PUSH PLATE #73C US32D, ROCKWOOD</td>
<td></td>
</tr>
<tr>
<td>1 EA. PULL PLATE #92 US32D, ROCKWOOD</td>
<td></td>
</tr>
<tr>
<td>1 EA. STOP</td>
<td></td>
</tr>
<tr>
<td>1 EA. CLOSER IC#3602</td>
<td></td>
</tr>
<tr>
<td>1 EA. SMOKE SEAL</td>
<td></td>
</tr>
<tr>
<td>1 EA. MOP PLATE, 8&quot; H</td>
<td></td>
</tr>
<tr>
<td>1 EA. KICK PLATE, 8&quot; H</td>
<td></td>
</tr>
</tbody>
</table>

GENERAL NOTE: DOORS TO BE PROVIDED W/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 3 EA. 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>25&quot;</td>
<td>26&quot;</td>
</tr>
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<td>B</td>
<td>3'-6&quot;</td>
<td>30&quot;</td>
<td>31&quot;</td>
<td>32&quot;</td>
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<td>C</td>
<td>3'-8&quot;</td>
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<td>34&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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</tbody>
</table>

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

Rated Steel Door with Full Glazing

DRAWN: PM/RG  DATE: 09/02/99

MASTER DETAIL NO. AD-10
ELEVATION
SCALE: 3/8" = 1'-0"

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 3EA. 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

<table>
<thead>
<tr>
<th>MK</th>
<th>DOOR WIDTH</th>
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<th>* GLASS ORDER WIDTH</th>
<th>** CUT-OUT WIDTH</th>
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<tr>
<td>A</td>
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<td>27&quot;</td>
<td>27 3/4&quot;</td>
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<td>33&quot;</td>
<td>33 3/4&quot;</td>
<td>34&quot;</td>
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<tr>
<td>C</td>
<td>3'-8&quot;</td>
<td>35&quot;</td>
<td>35 3/4&quot;</td>
<td>36&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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</tbody>
</table>

* 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.

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>
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<td>25&quot;</td>
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<td>32&quot;</td>
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<td>34&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"

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
2700 FUESS CUL DE SAC WAVE, SHORTHORN 1078
AVENUE, RAYmond HOLLAND, TEL: 731-68-388

Door Elevation
DRAWN: EM DATE: 01/18/00

MASTER DETAIL NO. AD-16
RW SERIES

STANDARD SIZES: SPECIAL SIZES AND MODIFICATIONS AVAILABLE ON REQUEST

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<th>(INCHES)</th>
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<th>(# of Screwdriver Cams)</th>
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<tr>
<td>12 x 12</td>
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<tr>
<td>16 x 16</td>
<td>407 x 407</td>
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<tr>
<td>18 x 18</td>
<td>458 x 458</td>
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<tr>
<td>22 x 30</td>
<td>560 x 764</td>
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<tr>
<td>24 x 24</td>
<td>611 x 611</td>
<td>2</td>
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<tr>
<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

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7650 FULTON CIRCLE, SAN ANTONIO, TX 78229

DRAWN: SP  DATE: 06/7/00

RECESSED ACCESS DOOR
MASTER DETAIL NO.  AD-26
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>
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<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.

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>
<tr>
<td>B</td>
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<td>23&quot;</td>
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<tr>
<td>C</td>
<td>3'-8&quot;</td>
<td>27&quot;</td>
<td>28&quot;</td>
<td>29&quot;</td>
</tr>
<tr>
<td>D</td>
<td>4'-0&quot;</td>
<td>33&quot;</td>
<td>34&quot;</td>
<td>35&quot;</td>
</tr>
</tbody>
</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 FLASH BOLTS, FB41P-US32D GLYN/JOHNSON, (2 PER SET)

2 EA RUSSWIN DOOR CLOSER #DC2693, DOOR MOUNTED

1 EA COORDINATOR & FILLER BAR, GLYN/JOHNSON, COR52XFL20

S:MASTER DET (DOORS)AD-38.DWG, 02/12/2004 02:29:19 PM
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:

<table>
<thead>
<tr>
<th>SERIES#</th>
<th>DESCRIPTION</th>
<th>SIZE</th>
<th>STYLE</th>
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<tbody>
<tr>
<td>#70C</td>
<td>ROCKWOOD PUSH PLATE</td>
<td>4&quot; X 16&quot;</td>
<td>BIO-GUARD</td>
</tr>
<tr>
<td>#92</td>
<td>ROCKWOOD PULL PLATE</td>
<td>4&quot; X 16&quot;</td>
<td>BIO-GUARD</td>
</tr>
<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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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>
<th>DOOR LITE</th>
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<tbody>
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<td>VISIBLE LITE SIZE</td>
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<tr>
<td>GLASS ORDER SIZE</td>
<td>11&quot;</td>
<td>11&quot;</td>
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<tr>
<td>CUT OUT SIZE</td>
<td>12&quot;</td>
<td>12&quot;</td>
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</table>
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>
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<th>* GLASS ORDER WIDTH</th>
<th>** CUT-OUT WIDTH</th>
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<tbody>
<tr>
<td>A</td>
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<td>14&quot;</td>
<td>15&quot;</td>
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<td>B</td>
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<td>20&quot;</td>
<td>21&quot;</td>
<td>22&quot;</td>
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<tr>
<td>C</td>
<td>3'-8&quot;</td>
<td>22&quot;</td>
<td>23&quot;</td>
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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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</tbody>
</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.

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

VISION PANEL SCHEDULE

<table>
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<tr>
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<th>VISIBLE LITE</th>
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<th>CUT OUT FRAME/SIZE</th>
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</thead>
<tbody>
<tr>
<td>3'-0&quot;</td>
<td>6&quot;W x 34&quot;H</td>
<td>7&quot;W x 35&quot;H</td>
<td>8&quot;W x 36&quot;H</td>
</tr>
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</table>
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
SECTION: DETAIL

SCALE:  3" = 1'-0"

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
3703 FORD CIR, BR. SAN ANTONIO, TX 78284-7527
PHONE: 210-567-3200

Ceiling Mounted
Projection Screen

DRAWN: RG    DATE: 5/27/98

MASTER DETAIL NO.
EQ-02
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"
18"x18" ALUMINUM FLOOR ACCESS DOOR MODEL Kafa WITH RECESSED TOP FOR V.C.T. ANCHOR TOP TO EXIST. WD. BLOCKING.

1'-5" EXISTING
B
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.

SHIM ACCESS DOOR AS REQUIRED TO PROVIDE FLUSH INSTALLATION WITH EXISTING ADJACENT FLOOR SURFACE.
EXISTING 2X4 WOOD BLOCKING
UTILITY LINES

NEW V.C.T.
OPENING
EXISTING FLOORING

FILL VOID BETWEEN NEW ACCESS PANEL AND EXISTING SLAB DROP WITH NON SHRINK GROUT.
EXISTING 2X4 WOOD BLOCKING
EXISTING SLAB LINE.

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

Floor Access Hatch

DRAWN: RG DATE: 06/30/98
DENTAL TREATMENT LIGHT FIXTURE ON MOVEABLE 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 MOVEABLE ARM. EQUIPMENT FURNISHED BY DEPARTMENT AND INSTALLED BY PHYSICAL PLANT.

ELEVATION

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

<table>
<thead>
<tr>
<th>MARK</th>
<th>SERVICE</th>
<th>TYPE</th>
<th>SIZE</th>
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<th>8Ø</th>
<th>10Ø</th>
<th>12Ø</th>
<th>TITUS</th>
<th>PRICE</th>
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<td>470</td>
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<td>AMD</td>
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<td>SUPPLY</td>
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<td>RCD</td>
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<td>FAN POWERED HEPA</td>
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<td>470</td>
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<td>FFU</td>
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<td>AMD</td>
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</tr>
<tr>
<td>J</td>
<td>SUPPLY</td>
<td>SQUARE, PLAQUE</td>
<td>24X24</td>
<td>235</td>
<td>330</td>
<td>430</td>
<td>550</td>
<td>OMNI</td>
<td>SPD</td>
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</tr>
</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-01A.

**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.
7. WHEN SHOWN ON PLANS AS CONNECTED TO DUCTWORK, PROVIDE FULL SIZE PLENUM.

---

**Air Device Schedule**

**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:**

DIFFUSER DROP REQUIREMENTS AND SCHEDULE

**Drawn by:**

CCG

**Date:** 12/03/13

**Master Detail No.:** M-01
DIFFUSER DROP INSTALLATION

NO SCALE

DIFFUSER DROP REQUIREMENTS AND SCHEDULE

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

DESCRIPTION:
DIFFUSER DROP REQUIREMENTS AND SCHEDULE

DRAWN: CCG DP
DATE: 8/21/13
MASTER DETAIL NO. M-01A
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’-0”.

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.

<table>
<thead>
<tr>
<th>SCHEDULE</th>
<th>IC#/S</th>
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<tbody>
<tr>
<td>MARK</td>
<td>MIXING BOX</td>
</tr>
<tr>
<td>6” MB</td>
<td>12500</td>
</tr>
<tr>
<td>8” MB</td>
<td>12501</td>
</tr>
<tr>
<td>10” MB</td>
<td>12502</td>
</tr>
<tr>
<td>12” MB</td>
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MIXING BOX INSTALLATION DETAIL

NO SCALE
# SCHEDULE

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<tr>
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<tbody>
<tr>
<td></td>
<td>INLET</td>
<td>MIN</td>
</tr>
<tr>
<td>DD-4</td>
<td>4&quot;Ø</td>
<td>75</td>
</tr>
<tr>
<td>DD-6</td>
<td>6&quot;Ø</td>
<td>235</td>
</tr>
<tr>
<td>DD-8</td>
<td>8&quot;Ø</td>
<td>385</td>
</tr>
<tr>
<td>DD-10</td>
<td>10&quot;Ø</td>
<td>600</td>
</tr>
<tr>
<td>DD-12</td>
<td>12&quot;Ø</td>
<td>900</td>
</tr>
</tbody>
</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-02 FOR INSTALLATION.
    M-06 FOR JCI METASYS CONTROLS EXTENDED ARCHITECTURE.
    M-12 FOR HONEYWELL CONTROLS. (MCDERMOTT, HAYDEN HEAD, BARSHOP)
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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<tbody>
<tr>
<td>6&quot; MB</td>
<td>12226</td>
<td></td>
</tr>
<tr>
<td>8&quot; MB</td>
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<td></td>
</tr>
<tr>
<td>10&quot; MB</td>
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<td></td>
</tr>
<tr>
<td>12&quot; MB</td>
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SINGLE INLET BOX INSTALLATION DETAIL

NO SCALE
## SCHEDULE

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<th>NOTES</th>
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<td>MARK</td>
<td>INLET</td>
<td>MIN</td>
<td>MAX</td>
</tr>
<tr>
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<tr>
<td>SD-12</td>
<td>12&quot;Ø</td>
<td>900</td>
<td>1900</td>
<td>12230</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-D4 FOR INSTALLATION.
DUCT BRANCH TAKE OFF

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 Duro Dyne item #36046 or equal.
RETURN AIR TRANSFER DUCT

NO SCALE

TYPE 1
ELEVATION VIEW

TYPE 2
PLAN VIEW

TYPE 3
PLAN VIEW

TYPE 4
ELEVATION VIEW

SHEET METAL DUCT OUTSIDE.
INSIDE CLEAR DIMENSIONS AS SHOWN ON PLANS.
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

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
AHU CHILLED OR HOT WATER

NO SCALE

NOTES:
1. PROVIDE THERMOMETERS AND PRESSURE GAUGES PER SPECS.
2. PROVIDE BALL VALVE DRAIN VALVES AND ROUTE TO FLOOR DRAIN.
3. ROUTE AUTOMATIC AIR VENTS TO FLOOR DRAIN.

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

DESCRIPTION:
COIL CONNECTION DETAIL

DRAWN: CCG,WV
DATE: 6-25-13
MASTER DETAIL NO. M-13.1
### LS Model Summary

<table>
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<tr>
<th>LS Model</th>
<th>Seal Element</th>
<th>Bolts/Nuts</th>
<th>Pressure Plate</th>
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<tbody>
<tr>
<td>C</td>
<td>EPDM (Black)</td>
<td>Zinc Dichromate/Organic Coated Carbon Steel Bolt</td>
<td>Reinforced Nylon Polymer</td>
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<tr>
<td>L</td>
<td>EPDM (Blue)</td>
<td>Zinc Dichromate/Organic Coated Carbon Steel Bolt</td>
<td>Reinforced Nylon Polymer</td>
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<td>Nitrile</td>
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<td>Silicone</td>
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<tr>
<td>(C,L,O)+S-316 (see model options)</td>
<td>316 Stainless Steel</td>
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#### Sleeve Model Description

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<th>Sleeve Model</th>
<th>Description</th>
<th>Material</th>
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<tr>
<td>CS</td>
<td>Century-Line Sleeve</td>
<td>HDPE</td>
</tr>
<tr>
<td>WS</td>
<td>Steel Wall Sleeve</td>
<td>Steel</td>
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For more Material Property Information, see literature at www.linkseal.com

---

**PIRCE PENETRATION DETAIL**

**NO SCALE**
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 CONDENSATE 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

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

DESCRIPTION:
CONDENSATE TRAP PIPING DETAIL

DRAWN: DK
DATE: 11/17/08

MASTER DETAIL NO. M-15
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 IN UNAVAILABLE, 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.

<table>
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<tr>
<th>ITEM</th>
<th>PRESSURE RATING(PSIG)</th>
<th>MANUFACTURER</th>
<th>MODEL#</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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<tr>
<td>VACUUM BREAKER</td>
<td>304</td>
<td>SPIRAX SARCO</td>
<td>VB21</td>
<td>1/2&quot;X1/8&quot;</td>
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<td>AIR VENT</td>
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<td>1/2&quot;X1/2&quot;</td>
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<tr>
<td>AIR VENT</td>
<td>250</td>
<td>SPIRAX SARCO</td>
<td>VS206</td>
<td>3/4&quot;X3/4&quot;</td>
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</table>

STEAM COIL ACCESSORIES
NO SCALE:
MOUNT DIVERSEY EQUIPMENT #034932 OR EQUAL STEAM SAMPLE COOLER AND SAMPLING NOZZLE PER UTILITIES SUPERVISOR INSTRUCTIONS.

STEAM SAMPLE COOLER DETAIL
NO SCALE
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 CONDESATE 1” PER 20’ IN DIRECTION OF FLOW

STEAM DRIP LEG PIPING DIAGRAM
NO SCALE:
NOTES:
1. MAKE OPENING 1/8" PER FOOT LARGER THAN DAMPER DIMENSIONS WITH 1/4" MIN REQD.
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 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>
<th>NOT DUCTED RECTANGULAR</th>
<th>DUCTED RECTANGULAR</th>
<th>ROUND</th>
<th>DUCTED 155 TYPE CR</th>
<th>INTEGRAL SLEEVE</th>
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<tr>
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<tr>
<td>RUSKIN</td>
<td>DIBD20 STYLE A</td>
<td>DIBD20 STYLE B</td>
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<td>DIBD20 STYLE R</td>
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<td>OR EQUAL</td>
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NOTES: (ALL)

STOCK

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DUCT ACCESS DOOR

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<tr>
<th>DUCT WIDTH DIMENSION</th>
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NOTE: 1. OR APPROVED EQUAL.
NOTES:
1. MAKE OPENING 1/8" PER FOOT LARGER THAN DAMPER DIMENSIONS WITH 1/4" MIN REQS.
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

SLEEVE THICKNESS SCHEDULE

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<th>MINIMUM SLEEVE THICKNESS (GA/IN)</th>
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<td>31-54</td>
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<td>85 OR MORE</td>
<td>20.036</td>
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</table>

MANUFACTURER | RECTANGULAR | NOTES: (ALL) |
-------------|-------------|--------------|
RUSKIN       | D-IBD20 STYLE | INTEGRAL SLEEVE |
OTHER        | OR EQUAL    | 165 °F FUSIBLE LINK |

FIRE DAMPER INSTALLATION DETAIL

DESCRIPTION:
GRILLE TYPE FIRE DAMPER INSTALLATION

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

DRAWN: EL  
DATE: 7/28/00

MASTER DETAIL NO. M-23
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 INTERFER 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 (5° 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.
SUPPORT BRACKET ISOMETRIC

NO SCALE:

SUPPORT BRACKET ELEVATION

NO SCALE:

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<tr>
<td>WALL ATTACHMENT</td>
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<td>DUCT ATTACHMENT</td>
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<tr>
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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

OVERLAP NEW ROOFING MATERIAL 12" OVER EXISTING ROOF

EXTEND NEW ROOFING TO TOP OF CURB

CURB CAP

2X6 OR FACTORY CURB

20GA. SHEET METAL FLASHING

DUCT, PIPE, OR CONDUIT

ROOF STRUCTURE

SECURE CURB TO ROOF WITH METHOD CONSISTANT WITH ROOF CONSTRUCTION

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

8" MIN

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 CONSTR.

2X CONTINUOUS TREATED WOOD CURB

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

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

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

INFILL W/NEW INSULATION TO MATCH EXISTING

ROOF PENETRATION DETAIL

SCALE: 1-1/2" = 1'-0"
ROOF PENETRATION DETAIL

NO SCALE
NOISE REDUCER 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. 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 SANDBLASTER 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.
HOOD SHALL BE CONSTRUCTED OF 18 GAUGE METAL. REFER TO DRAWING FOR SPECIFIC METAL TYPE.

REFER TO PROJECT PLANS FOR DUCT SIZE

REFER TO PROJECT PLANS FOR OPENING SIZE

ALL ENDS SHALL BE ROLL UP AND INSIDE CANOPY.

CANOPY HOOD DETAIL
NO SCALE

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7703 FLOYD CURL, DR, SAN ANTONIO, TX, 78229
FACILITIES MANAGEMENT, 210-567-2880

THE UNIVERSITY OF TEXAS

DESCRIPTION: CANOPY HOOD

DRAWN: RM
DATE: 2/20/04

MASTER DETAIL NO. M-36
COPPER TUBING SUPPORT
TAPE
COPPER WIRE
TEMPERATURE SENSING BULB

1/2" HARD DRAWN COPPER TUBING SUPPORTS. ATTACH TO FRAME OF COIL SECTION

TEMPERATURE SENSING ELEMENT

LOW TEMPERATURE SAFETY SWITCH. IF COIL IS TOO LARGE FOR ONE SENSING ELEMENT, THEN TWO TEMPERATURE SAFETY SWITCHES SHALL BE USED.

COOLING COIL

FREEZE STAT MOUNTING DETAIL
NO SCALE

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DESCRIPTION:
FREEZE STAT DETAIL

DRAWN: DK
DATE: 11/17/08

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.

ONE HOUR RATED ASSEMBLY AT PARTITION TYPE PG1C & PG1D ONLY. SEE MASTER DETAIL AF-01 FOR PARTITION CONSTRUCTION NOTES.
PARTITION TYPE PG2

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

PG2A - NO SOUND INSULATION
PG2B - SOUND INSULATION
LINE OF STRUCTURAL DECK ABOVE

DIAGONAL STUD BRACING AT 8'-0"
O.C. HORIZONTAL MAX. SPACING.

FINISH CLG.
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

PARTITION TYPE PG3
SCALE: 3/4" = 1'-0"

PG3A - NO SOUND INSULATION
PG3B - SOUND INSULATION
PARTITION TYPE PG4

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

PG4A – NO SOUND INSULATION
PG4B – SOUND INSULATION
PARTITION TYPE PG5

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

1 LAYER OF 5/8" G.W.B. ON BOTH SIDES.

3-5/8" (20 GA.) METAL STUDS AT 16" O.C.

BASE

FLOOR LINE

FINISH CLG.
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. BATS 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

3/4" PLYWOOD
CHAIRRAIL WITH
PLASTIC LAMINATE
FINISH.

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

CONTINUOUS SEALANT

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

Chairrail

DRAWN: RG  DATE: 06/30/98
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

EXISTING METAL STUDS
FACE OF EXISTING WALL

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 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"
Existing Metal Studs
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

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

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

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

1 1/2"x6" Wood Chairrail
With Radiused Corners and Stained Finish.

See Detail C

Fabric Wall Covering

Detail C
Scale: 6" = 1'-0"

1 1/2"x6" Wood Chairrail
With Radiused Corners and Stained Finish.

4" Plastic Laminate Strip
Recessed in Wood.

Fabric Wall Covering

Face of Existing Wall

Hardwood Chairrail

Drawn: RG/EM
Date: 10/15/01

Master Detail No.
Aw-05A
EXTENSION OF G.W.B. PARTITION WALL (ONE SIDE ONLY)

DRAWN: ES  DATE: 12/20/99

DETAIL
SCALE: 3" = 1'-0"

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HEALTH SCIENCE CENTER AT SAN ANTONIO
711 E QUARTZ ST, SAN ANTONIO, TX 78284-7012
PHYSICAL PLANT DEPARTMENT  TEL. NO. 210-567-3000

MASTER DETAIL NO. AW-24
### 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>CWR</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>CWS</td>
<td>Condenser Water Return</td>
<td>Green/White</td>
</tr>
<tr>
<td>CW</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>
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<tr>
<td>E-SHOWER</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>
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<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>
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<tr>
<td>MV</td>
<td>Medical Vacuum</td>
<td>Blue/White</td>
</tr>
<tr>
<td>G</td>
<td>Natural Gas</td>
<td>Yellow/Black</td>
</tr>
<tr>
<td>N2</td>
<td>Nitrogen</td>
<td>Blue/White</td>
</tr>
<tr>
<td>N2O</td>
<td>Nitrous Oxide</td>
<td>Yellow/Black</td>
</tr>
<tr>
<td>O2</td>
<td>Oxygen</td>
<td>Yellow/Black</td>
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<tr>
<td>OD</td>
<td>Overflow Drain</td>
<td>Yellow/Black</td>
</tr>
<tr>
<td>OCR</td>
<td>Pumped Condensate Return</td>
<td>Yellow/Black</td>
</tr>
<tr>
<td>RL</td>
<td>Refrigerant Liquid</td>
<td>Yellow/Black</td>
</tr>
<tr>
<td>RS</td>
<td>Refrigerant Suction</td>
<td>Yellow/Black</td>
</tr>
<tr>
<td>RO</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 vision 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

---

**Description:**

Pipe Identification Detail

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**Details:**

UT Health Science Center, San Antonio
7703 Floyd Curl Dr., San Antonio, TX 78229
Facilities Management, 210-567-2880

---

**Drawn:** Rob/El
**Date:** 5/11/06
**Master Detail No.:** P-01
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.
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–THREADED 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 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.
FIRE CAULK BETWEEN PENETRATING ELEMENT AND INSIDE OF SLEEVE

CONCRETE, CMU, BRICK WALL, OR FLOOR

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

ELEVATION

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

PLAN VIEW

SCALE: 1" = 1'-0"

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

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FACILITIES MANAGEMENT, 210-567-2880

DESCRIPTION:
ADA EMERGENCY SHOWER

DRAWN: KG/EL DATE: 5/11/06
MASTER DETAIL NO. P-06
NOTE: THIS DESIGN BASED ON HAWS MODEL #7260
(ALTERNATE DRAIN LOCATION BASED ON HAWS MODEL #7261)

CEILING LINE
CENTERLINE OF RETAINER BOWL
FACE OF WALL
TOP OF RETAINER BOWL
3'-9" A.F.F.
FINISH FLOOR LINE

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)

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

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7703 FLOYD CURL DR, SAN ANTONIO, TX 78229
FACILITIES MANAGEMENT, 210-567-2880

DESCRIPTION:
EMERGENCY EYEWASH

DRAWN: RG
DATE: 10/22/97

MASTER DETAIL NO.
P-07
PLAN DETAIL
SCALE: HALF SIZE

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
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. INLINE 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

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

PAINT ALL EXPOSED GAS PIPING YELLOW

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

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.

<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>
**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>
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 EXISTING 3/4" AIR, VACUUM AND SOFTWATER LINES AS INDICATED.

REMOVE PORTION OF EXISTING WASTE LINE

DEDEMOLITION UTILITY WELL SECTION

SCALE: 1" = 1'-0"

1 1/2" CONCRETE FILL

EXISTING PARTITION SEE FLOOR PLANS FOR LOCATION

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

CAP BELOW OR REMOVE BACK TO MAIN.

RENOVATION UTILITY WELL SECTION

SCALE: 1" = 1'-0"

FILL VOIDS IN PIPE SLEEVES WITH FIRE SEALANT.
SECTION

SCALE: 1" = 1'-0"
INTERIOR DOOR NUMBER SIGN
SCALE: HALF SCALE

BLACK PLASTIC WITH 1/4" HIGH WHITE ENGRAVED CHARACTERS

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

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

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.

Room Number Sign and Door Number Signs
DRAWN: DS DATE: 9/18/97

MASTER DETAIL NO. AS–01
Accessible Restroom
SIGN ELEVATION
SCALE: HALF SCALE

ACCESSIBLE WOMEN'S RESTROOM - DIRECTIONAL SIGN

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

SUMMARY

SIGN ELEVATION
SCALE: HALF SCALE

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7703 RED RIVER BLVD., SAN ANTONIO, TX 78229-7853
PHYSICAL PLANT SERVICES
B211, 210-559-7081

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

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO
2100 REDRICE, SR. 210, SAN ANTONIO, TX 78284-7701
PHYSICAL PLANTS SERVICES  210.525.3328

One Text Line
Room Name Sign

DRAWN: RG  DATE: 9/18/97
WOMEN'S LOCKER

Pictogram (woman or man)
Raised 1/32"
Light blue field with white pictograph

1.234.5

Note: Mount at strike jamb of door frame.

Black matt plastic with 1" high white characters, raised 1/32" and grade 2 Braille

Room number sign type AS-01

Scale: Half Scale

Women's (or Men's) Locker Sign

Drawn: DS    Date: 9/18/97

Master Detail No. AS-08
No Entry/No Exit Signs

**No Entry**

- **Red Matt Plastic with White Characters, Raised 1/32"**
- **5 1/4"**
- **3/4" 1" 3/4" 3/8"**
- **3/4" Stroke**
- **Centerline of Door**

**No Exit**

- **Red Matt Plastic with White Characters, Raised 1/32"**
- **5 1/4"**
- **3/4" 1" 3/4" 3/8"**
- **3/4" Stroke**
- **Centerline of Door**

**Sign Elevation**

**Scale: Half Scale**

**Master Detail No.**

AS—09

**Drawn: RG**

**Date: 9/3/97**
NO RE-ENTRY

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

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7951 FRED HDL. DR. SW, SAN ANTONIO, TEXAS 78284-7710
PHONE: 210-567-2030

No Re-entry and Exit Only Signs
DRAWN: RG DATE: 9/3/97

MASTER DETAIL NO.
AS-10
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

5/8" HIGH CHARACTERS
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

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
2871 RED SNAIL CIRCLE 1100 JUANITA 78284-7207
PHYSICAL PLANT ENGINEERING
GE. 40-5A-1068

MASTER DETAIL NO.
AS-11
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

EXIT AT 1ST LEVEL

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

SIGN ELEVATION
SCALE: HALF SCALE

Stair Access Signs

DRAWN: RG
DATE: 9/3/97

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7703 FULTON CIR SOUTH, SAN ANTONIO, TEXAS 78229-3907
PHONE: 210-972-6830

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

2" x 2'-1"

IN EMERGENCY PUSH TO OPEN SIGN ELEVATION
SCALE: 3" = 1'-0"

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

Authorized Personnel Only

AUTHORIZED PERSONNEL ONLY SIGN ELEVATION
SCALE: HALF SCALE

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
P.O. BOX 7888, SAN ANTONIO, TX 78284-7888
PHYSICAL PLANT ENGINEERING

Authorized Personel 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
ELEVATOR NUMBER SIGN
SCALE: HALF SCALE

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

H-2

ELEVATOR NUMBER SIGN
SCALE: HALF SCALE

1/4" HIGH CHARACTERS

8"

RED MATT PLASTIC WITH WHITE ENGRAVED CHARACTERS

1/8" HIGH CHARACTERS

FIREFIGHTERS' OPERATION - PHASE II SIGN
SCALE: HALF SCALE

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 FIREFIGHTERS' ELEVATOR CONTROL SWITCH IN ELEVATOR.

FIREFIGHTERS' OPERATION - PHASE II SIGN
SCALE: HALF SCALE

1/4" HIGH CHARACTERS

2" 1/2"

3/16" HIGH CHARACTERS

5 3/4"

RED MATT PLASTIC WITH WHITE ENGRAVED CHARACTERS

NOTE: LOCATE ADJACENT TO FIREFIGHTERS' ELEVATOR CONTROL SWITCH IN CORRIDOR.

FIREFIGHTERS' OPERATION - PHASE I SIGN
SCALE: HALF SCALE

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
305 ELM ST, SAN ANTONIO, TX 78229-7687
PHONE: (210) 567-2000
IMPRINT: J. A. DE LA CRUZ
DRAWN: RG DATE: 9/18/97
MASTER DETAIL NO.
AS-15
NOT FOR EMERGENCY EXIT
IN CASE OF EMERGENCY
FOLLOW EXIT SIGNS

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

SIGN ELEVATION
SCALE: HALF SCALE
DENTAL CLINIC

DIRECTIONAL SIGN - SINGLE LINE
SCALE: HALF SCALE

DENTAL DEAN ADMIN. OFFICES

DIRECTIONAL SIGN - MULTI-LINE
SIGN ARE FABRICATED FROM BLACK MATT PLASTIC WITH 1" HIGH WHITE CHARACTERS, RAISED 1/32".
SCALE: HALF SCALE

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

NO SMOKING ANYWHERE ON CAMPUS

ENGRAVED RED PICTOGRAPH

8"

NO SMOKING SIGN ELEVATION
SCALE: HALF SCALE

No Smoking Sign

DRAWN: RG DATE: 12/4/98

MASTER DETAIL NO.
AS—22
NOTE: 1. REFER TO SIGN SCHEDULE FOR EXACT ROOM NUMBER (TO REPLACE "1.234.5")

2. MOUNT AT STRIKE JAMB OF DOOR FRAME
CORRIDOR SECTION

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

NOTE: CENTER SIGN ABOVE CENTERLINE OF OPENING.

Overhead Sign Mounting Location

MASTER DETAIL NO.

AS-27

DRAWN: RG DATE: 05/25/99
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 FLOOD CLINIC, 81 SAN ANTONIO, TX 78284-7257
PHYSICAL PLANT ENGINEERING
TEL. NO. 210-545-3000

Student Lounge Sign

DRAWN: RG
DATE: 01/18/00

MASTER DETAIL NO.
AS–28
RED PLASTIC WITH
1/2" HIGH WHITE
ENGRAVED CHARACTERS

EMERGENCY GAS
SHUT-OFF VALVE

SIGN ELEVATION
SCALE: HALF SCALE

SIGN LOCATION
SCALE: NONE

EMERGENCY GAS SHUT-OFF SIGN
DRAWN: DV DATE: 10/23/02

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7700 FLOYD DIAL BLVD. SAN ANTONIO, TEXAS 78284-7877
PHYSICAL PLANT ENGINEERING TEL NO. 210-562-3000

MASTER DETAIL NO.
AS—29
SHUT-OFF VALVE ACCESS

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

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
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.
PAVEMENT SIGN
SCALE: 3/4" = 1'-0"

BLUE BACKGROUND

4'-0"

WHITE PICTOGRAPH W/ 3 1/2" STROKE

ACCESSIBLE PARKING PAVEMENT SIGN
DRAWN: EM
DATE: 9/17/97

MASTER DETAIL NO.
S-02
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.

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

ELEVATION

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

SECTION A

SCALE: \( 1\frac{1}{2}'' = 1'-'0'' \)
4" CONCRETE WALK REINFORCE WITH #3 BARS AT 16" O.C. EACH WAY WITH TOP AT 2% MAX. CROSS SLOPE TO DRAIN.

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

TOOLED CORNER TYPICAL

FILL GRADE LINE TO 2" BELOW CONCRETE WALK

COMPACTED SAND LEVELING BED

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

Concrete Walk

DRAWN: RG    DATE: 12/23/97
**Plan A**

**Scale:** 3/4" = 1' - 0"

1/2" radius at top and corner of curb

---

**Elevation/Section B**

**Scale:** 3/4" = 1' - 0"

1 1/2" radius at top and corner of curb

---

**Plan C**

**Scale:** 3/4" = 1' - 0"

1' - 0"

---

**Elevation/Section D**

**Scale:** 3/4" = 1' - 0"

1 1/2" radius at top of curb

---

**Depressed Curb**

**Drawn:** RG  **Date:** 01/16/98

**Master Detail No.:** S-08
CONCRETE CURB

EXPANSION JOINT

CONCRETE CURB

CURB RAMP

PAVING MATERIAL

SEE PLANS

PLAN DETAIL

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

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.

Curb Ramp

DRAWN: RG

DATE: 01/27/98

MASTER DETAIL NO.

S-09
ASPHALT PAVING

COMPACTED BASE

COMPACTED EARTH

EARTH

SEE PLANS

4" MIN. GRAVEL
SEE PLANS FOR ELEVATIONS

EXISTING ASPHALT

SECTION

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

Drainage Swale

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
7703 FRED CIR, MS 146, SAN ANTONIO, TX 78284-7107
PHYSICAL PLANNING DEPARTMENT
RJ.VS 78-04-088

DRAWN: RG DATE: 02/18/98

MASTER DETAIL NO. S-13
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

30 FOOT GALVANIZED STEEL POLE

12"X12"X3/4" STEEL BASE PLATE

GALVANIZED NUTS AND WASHERS

CONCRETE FOOTING

4 ANCHOR BOLTS 1 AT EACH CORNER OF BASE PLATE

FINISH GRADE

SECTION DETAIL
SCALE: 1" = 1'-0"

4-#4 REBARS ONE AT EACH CORNER OF FOOTING

#4 REBAR CONT. AT TOP & BOTTOM

1" CHAMFER AT CORNERS (TYP.)

5'-0"
CREOSOTED WOOD UTLITY POLE TO BE INSTALLED BY CITY PUBLIC SERVICE

PAVING

COMPACTED BASE

COMPACTED SUBGRADE

SECTION DETAIL

SCALE: 1" = 1'-0"

Utility Pole

DRAWN: R.G.

DATE: 02/20/98

MASTER DETAIL NO.

S-16
10"x10"x3/4" STEEL BASE PLATE WITH 4-3/4" DIA. STEEL ANCHOR BOLTS 1 AT EACH CORNER OF PLATE.

FINISH GRADE

EARTH

3" MIN. COVERAGE OF CONCRETE OVER STEEL

3/8" DIA. SPIRAL WITH EXTRA TURN AT TOP & BOTTOM

PROVIDE PRECAST CONCRETE SPACER BLOCKS AT TOP, BOTTOM & ON SIDES AT 8'-0" O.C. VERTICAL MAX.

SECTION
SCALE: 1" = 1'-0"

24" DIAMETER CONC. FOOTING
BY WALK COVER CONTRACTOR: STEEL TUBE COLUMN WELDED TO BASE PLATE

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

6"x6"x1/4" STEEL TUBE COLUMN WELD TO BASE PLATE

SEALANT ON 1/2" COMPRESSIVE FILLER

CONCRETE PAVING

6-#8 VERTICAL BARS.

EXTEND FOOTING VERTICAL BARS TO WITHIN 3" OF TOP OF FOOTING.

24" DIAMETER CONC. FOOTING

NOTE: ALL WORK BY OWNER EXCEPT AS NOTED.

Steel Column Footing

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 TOOL ED 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.

CURB RAMP @ ADJACENT WALK LESS THAN 48" WIDE


MASTER DETAIL NO. S-27
SPEED BUMP FORMED WITH NEW ASPHALT PAVING. ROUGH UP EXISTING PAVING TO ALLOW NEW ASPHALT TO ADHERE.

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

SEE PLANS

RIDGE (HIGH POINT)

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
1365 N. SWIFTHAVEN BLVD 1250 210-567-5707
REVIEW: R. LA. ONO
DRAWN: GC
DATE: 09/26/99
MASTER DETAIL NO.
S-31
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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.