HOSPITAL OPERATING ROOM DIFFUSER
MODULAR PLENUMS
EXAMPLE SYSTEM LAYOUT - TEE BAR INSTALLATION

NOTES:
- RECOMMENDED SLOT AIRFLOW = 25–45 CFM/FT.
- RECOMMENDED INLET VELOCITY = 500 FPM
- TYPICAL LAYOUT SHOWN, MINIMUM OF ONE INLET PER SIDE OF SYSTEM REQUIRED
- MINIMUM INLET LENGTH = 6" MAXIMUM = 48"
- HANGER BRACKET LOCATIONS CAN BE INDICATED ON PROJECT SPECIFIC SUBMITTALS, IF REQUESTED.
- INTERNAL LAMINAR FLOW DIFFUSER LAYOUT CAN BE SHOWN ON PROJECT SPECIFIC SUBMITTALS, IF REQUESTED.
- PLENUM SECTIONING CAN BE SHOWN ON PROJECT SPECIFIC SUBMITTALS.

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERSION, IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:  

CUSTOMER:  

SUBMITTAL DATE:  

REVOLUTION:  

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HOSPITAL OPERATING ROOM DIFFUSER
MODULAR PLENUMS
EXAMPLE SYSTEM LAYOUT - SURFACE MOUNT INSTALLATION

NOTES:
- ROUGH OPENING IN CEILING SHOULD BE 8.00" WIDE AND 1.00" SHORTER THAN THE OVERALL DIFFUSER LENGTH
- RECOMMENDED SLOT AIRFLOW = 25-45 CFM/FT.
- RECOMMENDED INLET VELOCITY = 500 FPM
- TYPICAL LAYOUT SHOWN, MINIMUM OF ONE INLET PER SIDE OF SYSTEM REQUIRED.
- MINIMUM INLET LENGTH = 6" MAXIMUM = 48"
- HANGER BRACKET LOCATIONS CAN BE INDICATED ON PROJECT SPECIFIC SUBMITTALS, IF REQUESTED.
- INTERNAL LAMINAR FLOW DIFFUSER LAYOUT CAN BE SHOWN ON PROJECT SPECIFIC SUBMITTALS, IF REQUESTED.
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ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.
HOSPITAL OPERATING ROOM DIFFUSER
CONTINUOUS PLENUMS
EXAMPLE SYSTEM LAYOUT - TEE BAR INSTALLATION

NOTES:
- RECOMMENDED SLOT AIRFLOW = 25–45 CFM/FT.
- RECOMMENDED INLET VELOCITY = 500 FPM
- TYPICAL LAYOUT SHOWN, MINIMUM OF ONE INLET PER SIDE OF SYSTEM REQUIRED.
- MINIMUM INLETLENGTH = 6" MAXIMUM = 48"
- HANGER BRACKET LOCATIONS CAN BE INDICATED ON PROJECT SPECIFIC SUBMITTALS, IF REQUESTED.
- INTERNAL LAMINAR FLOW DIFFUSER LAYOUT CAN BE SHOWN ON PROJECT SPECIFIC SUBMITTALS, IF REQUESTED.
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PROJECT:

ENGINEER: DK

CUSTOMER: HORD

SUBMITTAL DATE: 263978
2018/11/06

REVISION: C

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SHEET 3 OF 7
HOSPITAL OPERATING ROOM DIFFUSER
CONTINUOUS PLENUMS
EXAMPLE SYSTEM LAYOUT - SURFACE MOUNT INSTALLATION

NOTES:
- ROUGH OPENING IN CEILING SHOULD BE 8.00" WIDE AND
  1.00" SHORTER THAN THE OVERALL DIFFUSER LENGTH
- RECOMMENDED SLOT AIRFLOW = 25-45 CFM/FT.
- RECOMMENDED INLET VELOCITY = 500 FPM
- TYPICAL LAYOUT SHOWN, MINIMUM OF ONE INLET PER
  SIDE OF SYSTEM REQUIRED.
- MINIMUM INLET LENGTH = 6" MAXIMUM = 48"
- HANGER BRACKET LOCATIONS CAN BE INDICATED ON
  PROJECT SPECIFIC SUBMITTALS, IF REQUESTED.
- INTERNAL LAMINAR FLOW DIFFUSER LAYOUT CAN BE
  SHOWN ON PROJECT SPECIFIC SUBMITTALS, IF REQUESTED.
- PLENUM SECTIONING CAN BE SHOWN ON PROJECT
  SPECIFIC SUBMITTALS.

ALL METRIC DIMENSIONS (‘) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER: DK
CUSTOMER: HORD
SUBMITTAL DATE: 2018/11/06
REVISION: C

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HOSPITAL OPERATING ROOM DIFFUSER
SURFACE MOUNT OPTION
SECTION VIEW

PLENUM WIDTH = 5.875

HANGER BRACKETS
FACTORY INSTALLED

RADIUS PLENUM
CORNERS

STAINLESS STEEL DAMPER
C/W REMOTE LEVER OPERATOR
(OPPORTINAL)

3/16" HEX HEAD SET SCREW
FOR LOCKING DAMPER BLADES

CEILING OPENING = 8.000

OVERALL FRAME = 9.750

INLET SIZE VARIABLE
(SEE OPTIONS ON SHEET?)

OVERALL/PLENUM HEIGHT
(SEE OPTIONS ON SHEET?)

NOTES:
- DAMPER ADJUSTABLE ROOM SIDE WITHOUT REMOVAL OF THE DIFFUSER FACE
- MANUFACTURED TO SIZES AND TOLERANCE +/-.032"
- INSTALLATION AND MOUNTING OF THE HORD IS THE RESPONSIBILITY OF THE INSTALLER

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER

PROJECT:

ENGINEER: DK

CUSTOMER: 263978

SUBMITAL DATE: 2018/11/06

REVISION: C

HORD
HOSPITAL OPERATING ROOM DIFFUSER

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HOSPITAL OPERATING ROOM DIFFUSER
TEE BAR OPTION
SECTION VIEW

NOTES:
- DAMPER ADJUSTABLE ROOM SIDE WITHOUT REMOVAL OF THE DIFFUSER FACE
- MANUFACTURED TO SIZES AND TOLERANCE +/- .032"
- INSTALLATION AND MOUNTING OF THE HORD IS THE RESPONSIBILITY OF THE INSTALLER

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED, IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER

PROJECT:  

ENGINEER:  

CUSTOMER:  

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2018/11/06

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DK  
HORD  
HOSPITAL OPERATING ROOM DIFFUSER

263978

SHEET 6 OF 7
HORD-1-X
HOSPITAL OPERATING ROOM DIFFUSER

PLENUM HEIGHT OPTIONS:
- 6"
- 12"
- 16"

INLET HEIGHT OPTIONS (DEPENDENT ON PLENUM HEIGHT):
- 3"
- 4"
- 5"
- 6"
- 7"
- 8"
- 10"

MOUNTING STYLE OPTIONS:
- TEE BAR / LAY-IN
- SURFACE MOUNT

END CAP STYLE OPTIONS:
- MECHANICALLY FASTENED
- CONTINUOUSLY WELDED
  (ONLY FOR PLENUM MATERIAL AL-14 AND SS-20)
- 90° CORNER, MECHANICALLY FASTENED

INLET DAMPER OPTIONS:
- NONE
- VCS3SS - STAINLESS STEEL OPPOSED BLADE DAMPER

EXTERNAL INSULATION OPTIONS:
- NONE
- AFI - EXTERNAL 1/2" FIBREGLASS INSULATION WITH FOIL FACING

PLENUM MATERIAL OPTIONS:
- AL-14 (.064")
- AL-18 (.080")
- SS-20 (.035")
- SS-23 (.025")

FACE MATERIAL OPTIONS:
- AL-14 (.064")
- SS-20 (.035")

PLENUM FINISH OPTIONS:
- AL-B12 - STANDARD WHITE
- AL-B25 - CUSTOM
- 2B - POLISHED STAINLESS STEEL
- WM - WASHED MILL ALUMINUM

FACE FINISH OPTIONS:
- AL-B12 - STANDARD WHITE
- AL-B25 - CUSTOM
- #4 - BRUSHED STAINLESS STEEL
- WM - WASHED MILL ALUMINUM

PROJECT:

ENGINEER: DK
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