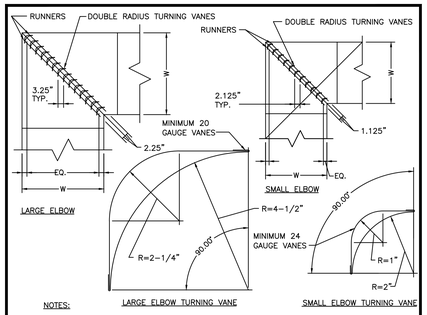
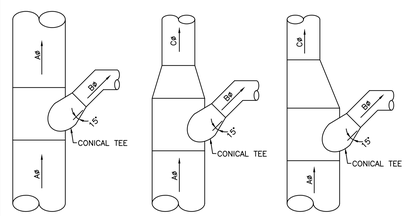


NOTES:

1. FOR DUCT SIZES WHERE W IS 24 INCHES AND SMALLER, USE SMALL ELBOW DETAIL.
2. FOR DUCT SIZES WHERE W IS LARGER THAN 24 INCHES, USE LARGE ELBOW DETAIL.
3. ALL VANES SHALL BE SECURE AND STABLE IN OPERATING POSITION.
4. VANES SHALL BE SECURELY FASTENED TO RUNNERS.
5. INSTALL VANES IN SECTIONS OR USE TIE RODS TO LIMIT THE UNBRACED LENGTH TO 60 INCHES.

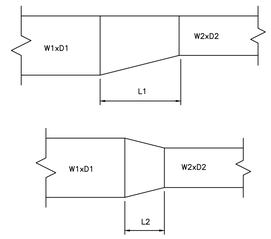
1 NOSCALE **90° SQUARE ELBOW RECTANGULAR DUCT**



NOTES:

1. DIMENSIONS A, B, AND C AS INDICATED ON THE DRAWINGS.
2. SAME FOR RETURN AND EXHAUST DUCTWORK EXCEPT AIRFLOW IS REVERSED.

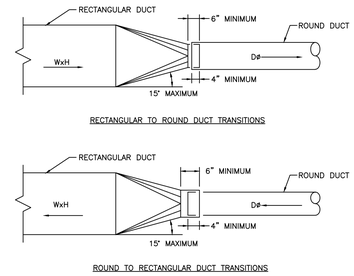
2 NOSCALE **90° TAPS FOR ROUND DUCTWORK**



NOTES:

1. DIMENSIONS W1, W2, D1, AND D2 AS INDICATED ON THE DRAWINGS.
2. L1 = 4 TIMES DELTA W (W1-W2) OR 4 TIMES DELTA D (D1-D2) WHICHEVER IS GREATER.
3. L2 = 2 TIMES DELTA W (W1-W2) OR 2 TIMES DELTA D (D1-D2) WHICHEVER IS GREATER.

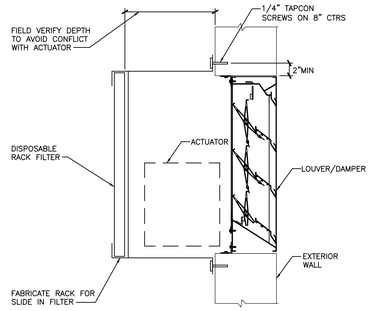
3 NOSCALE **RECTANGULAR DUCT TRANSITIONS**



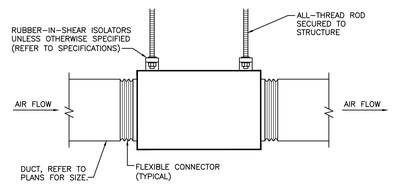
NOTES:

1. DIMENSIONS W, H, AND D AS INDICATED ON THE DRAWINGS.

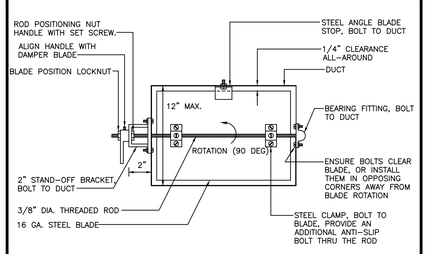
4 NOSCALE **RECTANGULAR/ROUND DUCT TRANSITIONS**



5 NOSCALE **LOUVER DETAIL**



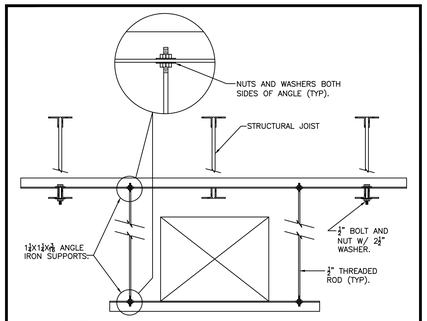
6 NOSCALE **INLINE CENTRIFUGAL FAN**



NOTES:

1. DAMPERS FOR ROUND DUCTS SHALL BE SIMILAR TO THE DAMPER SHOWN ABOVE.
2. ENSURE THAT FULL 90° DAMPER BLADE MOVEMENT IS UNOBSTRUCTED.
3. FOR DUCT HEIGHTS MORE THAN 12", PROVIDE FACTORY-FABRICATED OPPOSED BLADE DAMPERS

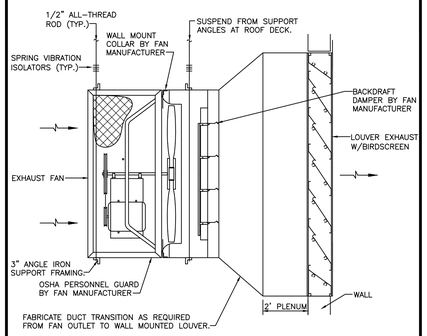
7 NOSCALE **MANUAL DUCT DAMPER (ADJUSTABLE SINGLE BLADE BALANCING TYPE)**



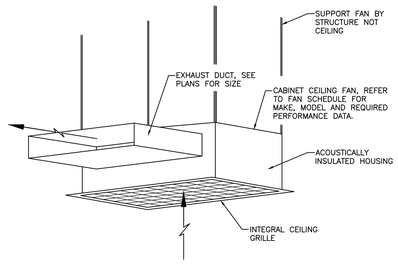
NOTES:

1. IF STRUCTURE ABOVE IS CONCRETE SUPPORT DUCTS BY CONNECTING HANGERS TO CONCRETE FLOOR ABOVE W/ 5/8"ø HILTI KWIK BOLT 3. MAX. LOAD = 350 LB.

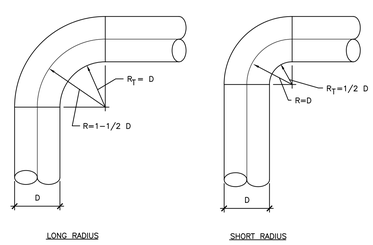
8 NOSCALE **RECTANGULAR DUCT HANGER**



9 NOSCALE **WALL MOUNTED PROPELLER EXHAUST FAN WITH LOUVER**



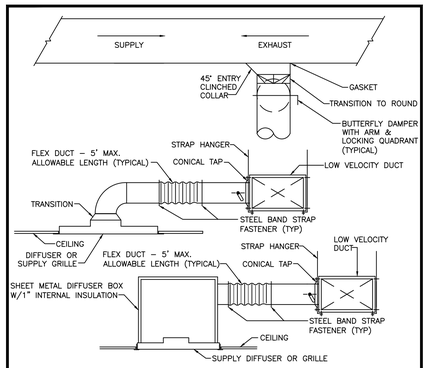
10 NOSCALE **CEILING MOUNTED EXHAUST FAN**



NOTES:

1. DIMENSION D AS SHOWN ON THE DRAWINGS.
2. USE LONG RADIUS ELBOWS ON ALL DUCTWORK SYSTEMS WHERE EVER POSSIBLE OR UNLESS OTHERWISE INDICATED.
3. ONLY WHEN IT IS IMPOSSIBLE TO USE LONG RADIUS ELBOWS, USE LARGEST POSSIBLE RADIUS WITH A MINIMUM RADIUS EQUAL TO THAT OF A SHORT RADIUS ELBOW.

11 NOSCALE **90° RADIUS ELBOW ROUND DUCTWORK**



12 NOSCALE **DIFFUSER/GRILLE CONNECTION**

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PROFESSIONAL ENGINEER
03/07/18

INTERIOR REMODEL

STRYKER SPORTS

WICHITA, KANSAS

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MECHANICAL DETAILS

PROJECT NO.	1701010567
DATE	03-07-18
SCALE	AS NOTED

DESIGNED	DRAWN	CHECKED
RLB	CV	RLB

NO.	REVISION	DATE
0	ISSUE FOR CONSTRUCTION	03-07-18

SHEET NO.

SM4.0

PLOTTED: Wednesday, March 07, 2018 @ 3:14PM
J:\PROJECTS\2017\1701010567_CONV_STRYKER_170567 CAD\SHTS\18 BLDG MEP\STADIUM PACKAGE\MECH\SM4.0 MECHANICAL DETAILS.DWG