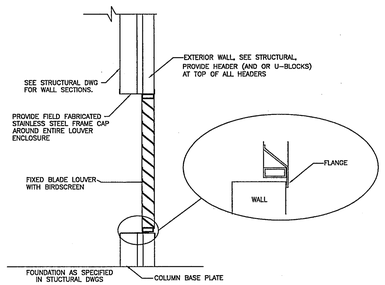
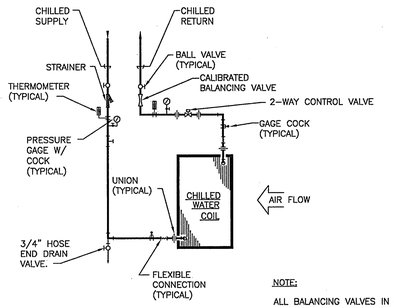


1. PROVIDE DRAIN BLADES AND SUB SEALS.
2. TRASITION TO DUCT, IF OPEN TO SPACE PROVIDE GRILLE (LOUVERED FACED) ON BACKSIDE OF INTERIOR WALL, SAME SIZE AS LOUVER.

1 DETAIL – EXTERIOR WALL LOUVER, TYP.
NO SCALE

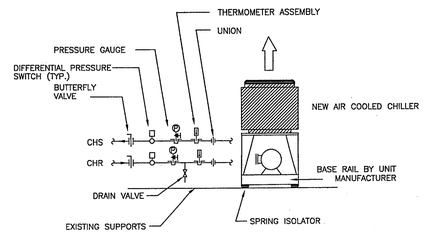


NOTE:

ALL BALANCING VALVES IN 4" LINES OR SMALLER SHALL BE BALL VALVES WITH MEMORY STOPS.

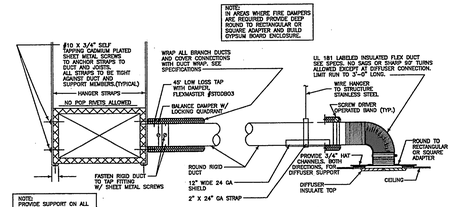
*COIL FINS SHALL BE MINIMUM 0.007" THICK.

2 DETAILS – CHILLED WATER COIL AT AHU
NO SCALE



NOTE: REFER TO TEMPERATURE CONTROL SPECIFICATIONS, DIFFERENTIAL PRESSURE SWITCHES MAY BE SUBSTITUTED FOR FOR FLOW SWITCH.

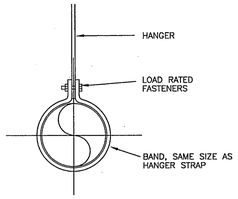
3 DETAILS – AIR COOLED CHILLER, TYP
NO SCALE



GENERAL NOTE:
1. NO SPIN COLLARS ALLOWED.
2. 3'-0" FLEX MAX., NO EXCEPTION.
3. ALL EXPOSED DUCT SHALL BE DOUBLE WALL.
4. ALL EXPOSED DUCTWORK AND GRILLES SHALL BE PAINTED, REFER TO ARCHITECT FOR COLOR SELECTION.

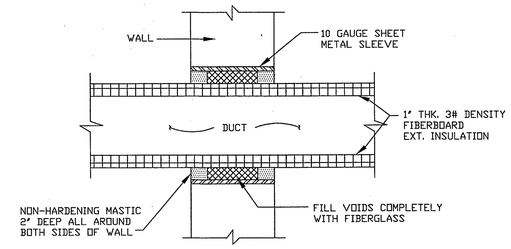
4 DETAIL – TYPICAL DIFFUSER CONNECTION
NO SCALE

MINIMUM HANGERS SIZES FOR ROUND DUCT			
DIA.	MIN. SPACING	ROD	STRAP
10" DN	12'0"	1/4"	1"x22 GA.
11"–18"	12'0"	1/4"	1"x22 GA.
19"–24"	12'0"	1/4"	1"x22 GA.
25"–36"	25'–36"	1/4"	1"x20 GA.
37"–50"	12'0"	TWO (2) 3/8"	TWO (2) 1"X18 GA.
51"–60"	12'0"	TWO (2) 3/8"	TWO (2) 1"X18 GA.

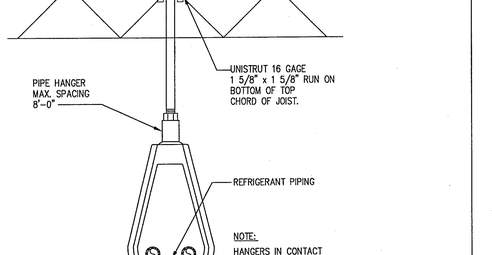


GENERAL NOTES:
1. REFER TO ARCH DRAWINGS FOR STRUCTURE OF BUILDING.

5 DETAIL – ROUND DUCT SUPPORTS, TYP.
NO SCALE

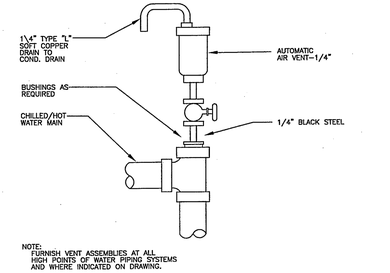


6 DETAIL – DUCT PENETRATION THRU WALL, TYP.
NO SCALE



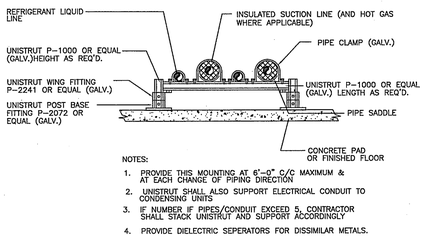
NOTE:
HANGERS IN CONTACT WITH COPPER SHALL BE COPPER PLATED OR TEFLON COATED. GRINNELL 97 OR 97C

7 DETAILS – REFRIGERANT LINE HANGERS & SUPPORTS
NO SCALE



NOTE:
FURNISH VENT ASSEMBLIES AT ALL HIGH POINTS OF WATER PIPING SYSTEMS AND WHERE INDICATED ON DRAWING.

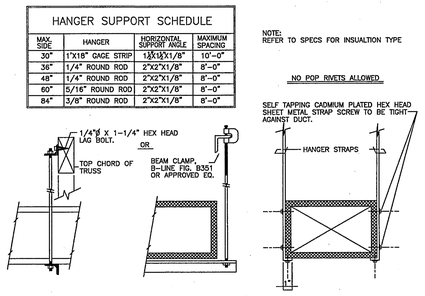
8 DETAILS – AUTOMATIC AIR VENT, TYP
NO SCALE



NOTES:
1. PROVIDE THIS MOUNTING AT 6'-0" C/C MAXIMUM & AT EACH CHANGE OF PIPING DIRECTION
2. UNISTRUT SHALL ALSO SUPPORT ELECTRICAL CONDUIT TO CONDENSING UNITS
3. IF NUMBER IF PIPES/CONDUIT EXCEED 5, CONTRACTOR SHALL STACK UNISTRUT AND SUPPORT ACCORDINGLY
4. PROVIDE DIELECTRIC SEPERATORS FOR DISSIMILAR METALS.

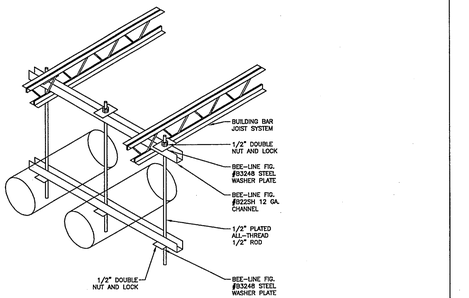
9 DETAIL – REFRIGERANT PIPE SUPPORTS, TYP.
NO SCALE

HANGER SUPPORT SCHEDULE			
MAX SIDE	HANGER	HORIZONTAL SUPPORT ANGLE	MAXIMUM SPACING
30"	1"X18" GAGE STRIP	1½"x1½"X1/8"	10'–0"
36"	1/4" ROUND ROD	2"x2"X1/8"	8'–0"
48"	1/4" ROUND ROD	2"x2"X1/8"	8'–0"
60"	5/16" ROUND ROD	2"x2"X1/8"	8'–0"
84"	3/8" ROUND ROD	2"x2"X1/8"	8'–0"

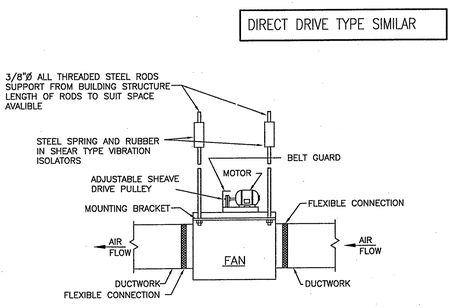


GENERAL NOTES:
1. REFER TO ARCH DRAWINGS FOR STRUCTURE OF BUILDING.

10 DETAIL – RECTANGULAR DUCT SUPPORTS, TYP.
NO SCALE

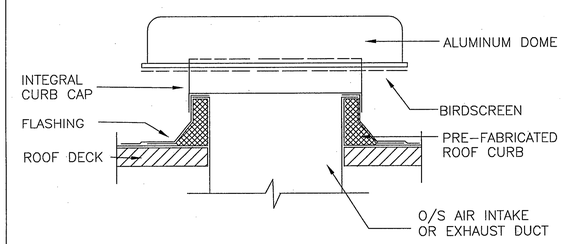


11 DETAILS – TRAPEZE HANGER ON BUILDING, TYP
NO SCALE



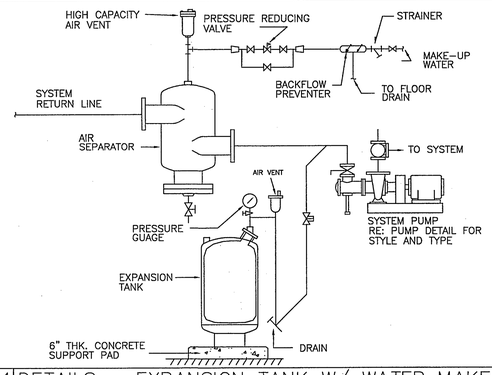
GENERAL NOTE:
1. PROVIDE FACTORY MOUNTED SPEED CONTROLLER FOR ALL DIRECT DRIVE FANS.

12 DETAIL – INLINE EXHAUST FAN, TYP.
NO SCALE

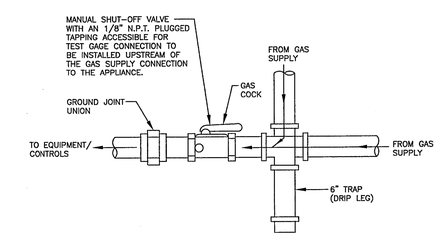


GENERAL NOTE:
1. INTAKE HOOD TO BE GREENHECK FABRAHOOD MODEL #GRSI OR APPROVED EQUAL.
2. RELIEF HOOD TO BE GREENHECK FABRAHOOD MODEL #GRSR OR APPROVED EQUAL.
3. PROVIDE SQUARE TO ROUND TRANSITION FOR ALL RECTANGULAR DUCTS THRU ROOF TO LOW-PROFILE ROOF HOODS.

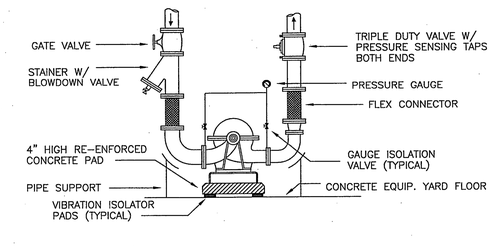
13 DETAIL – ROOF MOUNTED EXHAUST/INTAKE HOOD
NO SCALE



14 DETAILS – EXPANSION TANK W/ WATER MAKEUP
NO SCALE



15 DETAIL – GAS CONNECTION TO EQUIPMENT, TYP.
NO SCALE



*SUCTION DIFFUSER OPTIONAL ON SUCTION SIDE OF PUMP

16 DETAIL – HORIZONTAL SPLIT CASE PUMP, CWSP-3
NO SCALE

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ST. TAMMANY PARISH SCHOOL BOARD
STPSB PROJECT #0825
MADISONVILLE, LOUISIANA

PROJ. NO.	0825
DATE	06.25.09
REVISED	

STATE OF LOUISIANA
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REG. NO. 29502
REGISTERED PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

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