

CITY OF SACRAMENTO
1231 I Street, Sacramento, CA 95814

Permit No: 0010049
Insp Area: 1

Site Address: 120 COLOMA WY SAC
Parcel No: 004-0084-006

Sub-Type: ASFR
Housing (Y/N): N

CONTRACTOR
JM CONSTRUCTION
1064 RIO CIDADE WAY
SAC CA 95831

OWNER
MANSOUR EDWARD J
120 COLOMA WY
SACRAMENTO CA 95819

ARCHITECT

Nature of Work: CONVERT 62 SQ FT UNDER PORCH TO LIVING SPACE & ADD 14 SQ FT BAY WINDOW

CONSTRUCTION LENDING AGENCY : I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C)

Lender's Name _____ Lender's Address _____

LICENSED CONTRACTORS DECLARATION: I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

Y License Class B License Number 435012 Date 3/30/02 Contractor Signature [Signature]

OWNER-BUILDER DECLARATION: I hereby affirm under penalty of perjury that I am exempt from the contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code; any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.00).

_____, I, as a owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his/her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he/she did not build or improve for the purpose of sale.)

_____, I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law).

I am exempt under Sec. _____ B & PC for this reason: _____

Date _____ Owner Signature _____

IN ISSUING THIS BUILDING PERMIT, the applicant represents, and the city relies on the representation of the applicant, that the applicant verified all measurements and locations shown on the application or accompanying drawings and that the improvement to be constructed does not violate any law or private agreement relating to permissible or prohibited locations for such improvements. This building permit does not authorize any illegal location of any improvement or the violation of any private agreement relating to location of improvements.

I certify that I have read this application and state that all information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction and hereby authorize representative(s) of this city to enter upon the abovementioned property for inspection purposes.

Y Date 3/30/02 Applicant/Agent Signature [Signature]

WORKER'S COMPENSATION DECLARATION: I hereby affirm under penalty of perjury one of the following declarations:
_____, I have and will maintain a certificate of consent to self-insure for workers' compensation as provided for by Section 3700 of the Labor Code, for the performance of work for which the permit is issued

→ _____ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier STATE COMPENSATION INS FUND Policy Number 1017415 - 00 Exp Date 05/01/2001

_____, (This section need not be completed if the permit is for \$100 or less) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Y Date 3/30/02 Applicant Signature [Signature]

WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000) IN ADDITION TO THE COST OF COMPENSATION. DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST AND ATTORNEY'S FEE.

THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.

Date of Request: _____

By: _____

**CITY OF SACRAMENTO DEVELOPMENT SERVICES DIVISION
PLANNING AND ZONING INFORMATION REQUEST**

Project Address: 20 Coloma Way

Assessor's Parcel Number: 004-0084-006

Previous Use: S.F.

Description of Request/Proposed Use: ~~convert~~ Convert covered porch area to living area

Is This a Change of Use? Yes

Zoning Designation: R1

Prior Applications for Project Site(P#, Z#, DRPB#): None

Comments: SE

Are There Any Planning Issues?: (circle one) YES NO

* Staff Site Plan Check Required? (Circle one)

* Field Inspection Required? (Circle one)

* Design Review/Preservation Required?: (Circle one)

YES NO
YES NO
YES NO
Planning

Planning Review by/Date: [Signature] 8-28-00

A list of items that must be reviewed by Planning is provided on the reverse side of this form.

MICROFILM AFTER FINAL

Plans on Microfilm

TITLE 24 REPORT FOR:

Ed Mansour Addition
120 Coloma Avenue
Sacramento, California

ISSUED

AUG 30 2000

PROJECT BUILDER: Sacramento Building Division

Mr. Marc Madieros
JM Construction
1064 Rio Cidade Way
Sacramento, CA 95831
(916) 427-2412

REPORT PREPARED BY:

Accurate Energy
9339 Matador Way
Sacramento, CA 95826
(916) 368-8666

CITY OF SACRAMENTO
PERMIT ASSISTANCE

AUG 28 2000

Job Number: 20351

RECEIVED

Date: July 25, 2000

Project Title..... Mansour Addition Date..07/25/00 11:37:10
 Project Address..... 123 Coloma Avenue *****
 Sacramento, California *v5.10*
 Documentation Author... Todd Ferris *****
 Accurate Energy
 9339 Matador Way
 Sacramento, CA 95826
 916-368-8666

Building Permit #
Plan Check / Date
Field Check/ Date

Climate Zone..... 12
 Compliance Method..... Prescriptive Compliance of Additions < 100 Sq. Ft.

MICROPASS v5.10 File-20351 Wth-CTZ12S92 Program-TOC User#-MP093 User-Accurate Energy Run-Compliance Documentation
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Project Title..... Mansour Addition

Date..07/25/00 11:37:10

MICROPAS v5.10 File-20351 Wth-CTZ12S92 Program-FORM CF-1R
User#-MP1993 User-Accurate Energy Run-Compliance Documentation

REMARKS

COMPLIANCE STATEMENT

This certificate of compliance lists the building features and performance specifications needed to comply with Title-24, Parts 1 and 6 of the California Code of Regulations, and the administrative regulations to implement them. This certificate has been signed by the individual with overall design responsibility. When this certificate of compliance is submitted for a single building plan to be built in multiple orientations, any shading feature that is varied is indicated in the Special Features Modeling Assumptions section.

DESIGNER or OWNER

DOCUMENTATION AUTHOR

Name.... Mr. Marc Madeiros
Company. JM Construction
Address. 1064 Rio Cidade Way
Sacramento, CA 95831
Phone... (916) 427-2412
License. _____

Name.... Todd Ferris
Company. Accurate Energy
Address. 9339 Matador Way
Sacramento, CA 95826
Phone... 916-368-8666

Signed.. _____
(date)

Signed.. Todd Ferris 7/25/2000
(date)

ENFORCEMENT AGENCY

Name.... _____
Title... _____
Agency.. _____
Phone... _____
Signed.. _____
(date)

Project Title..... Mansour Addition Date..07/25/00 11:37:10
 Project Address..... 127 Coloma Avenue *****
 Sacramento, California *v5.10*
 Documentation Author... Todd Ferris *****
 Accurate Energy
 9339 Matador Way
 Sacramento, CA 95826
 916-368-8666

Building Permit #
Plan Check / Date
Field Check/ Date

Climate Zone..... 12
 Compliance Method..... Prescriptive Compliance of Additions < 100 Sq. Ft.

MICROPASS v5.10 File-20351 Wth-CTZ12S92 Program-FORM CF-1R
 User#-MP2093 User-Accurate Energy Run-Compliance Documentation

GENERAL INFORMATION

Conditioned Floor Area..... 76.5 sf
 Building Type..... Single Family Detached
 Construction Type..... Addition Alone
 Building Front Orientation. Front Facing 111 deg (E)
 Number of Dwelling Units... 1
 Number of Stories..... 1
 Floor Construction Type.... Raised Floor
 Glazing Area..... Net 22 Sq. Ft.
 Average Glazing U-value.... 0.75 Btu/hr-sf-F
 Average Glazing SHGC..... 0.71
 Average Ceiling Height..... 8 ft

BUILDING SHELL INSULATION

Component Type	Frame Type	Cavity R-value	Sheathing R-value	Total R-value	Assembly U-value	Location/Comments
Wall	Wood	R-13	R-0	R-13	0.088	Typical 2x4
Door	None	R-0	R-0	R-0	0.330	Exterior Door
Roof	Wood	R-19	R-0	R-19	0.049	Attic Roof
Floor	Wood	R-19	R-0	R-19	0.037	Over Crawl

FENESTRATION

Orientation	Area (sf)	U-Value	SHGC	Interior Shading	Exterior Shading	Overhang/Fins
Window Front (E)	30.0	0.750	0.700	Standard	Standard	None
Window Front (E)	20.0	0.750	0.700	Standard	Standard	None
Window Front (E)	-15.0	1.280	0.800	Standard	Standard	None
Window Front (E)	-15.0	1.280	0.800	Standard	Standard	None
Window Front (E)	-18.0	1.280	0.800	Standard	Standard	None
Window Front (SE)	10.0	0.750	0.730	Standard	Standard	None
Window Right (NE)	10.0	0.750	0.730	Standard	Standard	None

HVAC SYSTEMS

Equipment Type	Minimum Efficiency	Duct Location	Duct R-value	Tested Duct Leakage	ACCA Manual D	Thermostat Type
Furnace	0.780 AFUE	Attic	R-4.2	No	No	Setback
AC Split	10.00 SEER	Attic	R-4.2	No	No	Setback

Project Title..... Mansour Addition Date..07/25/00 11:37:10
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 Sacramento, California *v5.10*
 Documentation Author... Todd Ferris *****
 Accurate Energy
 9339 Matador Way
 Sacramento, CA 95826
 916-368-8666

Building Permit #
Plan Check / Date
Field Check/ Date

Climate Zone..... 12
 Compliance Method..... Prescriptive Compliance of Additions < 100 Sq. Ft.

MICROPAS5 v5.10 File-20351 Wth-CTZ12S92 Program-FORM MF-1R
 User#-MP2093 User-Accurate Energy Run-Compliance Documentation

Note: Lowrise residential buildings subject to the Standards must contain these measures regardless of the compliance approach used. Items marked with an asterisk (*) may be superseded by more stringent compliance requirements listed on the Certificate of Compliance. When this checklist is incorporated into the permit documents, the features noted shall be considered by all parties as minimum component performance specifications for the mandatory measures whether they are shown elsewhere in the documents or on this checklist only.

BUILDING ENVELOPE MEASURES

	Design- er	Enforce- ment
* 50(a): Minimum R-19 ceiling insulation.	_____	_____
50(b): Loose full insulation manufacturer's labeled R-Value.	_____	_____
* 50(c): Minimum R-13 wall insulation in wood framed walls or equivalent U-value in metal frame walls (does not apply to exterior mass walls).	_____	_____
* 50(d): Minimum R-13 raised floor insulation in framed floors.	_____	_____
50(i): Slab edge insulation - water absorption rate no greater than 0.3%, water vapor transmission rate no greater than 2.0 perm/inch.	_____	_____
13: Insulation specified or installed meets CEC quality standards. Indicate type and form.	_____	_____
16-17: Fenestration Products, Exterior Doors and Infiltration/exfiltration controls	_____	_____
1. Doors and windows between conditioned and unconditioned spaces designed to limit air leakage.		
2. Fenestration products (except field fabricated) have label with certified U-value, certified solar heat gain coefficient, and infiltration certification.		
3. Exterior doors and windows weatherstripped; all joints and penetrations caulked and sealed.		
50(g): Vapor barriers mandatory in Climate Zones 14 and 16 only.	_____	_____
50(f): Special infiltration barrier installed to comply with Sec. 151 meets Commission quality standards.	_____	_____
50(e): Installation of Fireplaces, Decorative Gas Appliances and Gas Logs	_____	_____
1. Masonry and factory-built fireplaces have:		
a. Closeable metal or glass door		
b. Outside air intake with damper and control		
c. Flue damper and control		
2. No continuous burning gas pilots allowed.	_____	_____

Project Title..... Mansour Addition

Date..07/25/00 11:37:10

MICROPASS v5.10 File-20351 Wth-CTZ12S92 Program-FORM MF-1R
 User#-MPA-93 User-Accurate Energy Run-Compliance Documentation

SPACE CONDITIONING, WATER HEATING AND PLUMBING SYSTEM MEASURES

	Design- er	Enforce- ment
10-113: HVAC equipment, water heaters, showerheads and faucets certified by the Commission.	_____	_____
50(h): Heating and/or cooling loads calculated in accordance with ASHRAE, SMACNA or ACCA.	_____	_____
50(i): Setback thermostat on all applicable heating and/or cooling systems.	_____	_____
50(j): Pipe and Tank insulation		
1. Storage gas water heaters rated with an Energy Factor of less than 0.58 must be externally wrapped with insulation having an installed thermal resistance of R-12 or greater.		
2. First 5 feet of pipes closest to water heater tank, non-recirculating systems, insulated (R-4 or greater).		
3. Back-up tanks for solar systems, unfired storage tanks, or other indirect hot water tanks have R-12 external insulation or R-16 combined internal/external insulation.		
4. All buried or exposed piping insulated in recirculating sections of hot water system.		
5. Cooling system piping below 55 degrees insulated.		
6. Piping insulated between heating source and indirect hot water tank.	_____	_____
* 50(m): Ducts and Fans		
1. All ducts and plenums constructed, installed, insulated, fastened, and sealed to comply with the ICBO 1997 UMC sections 601 and 603; ducts insulated to a minimum installed R-4.2 or ducts enclosed entirely within conditioned space. Openings shall be sealed with mastic, tape, aerosol sealant or other duct closure system that meets the applicable requirements of UL181, UL181A, or UL181B and other applicable specified tests for longevity given in Sec. 150(m).		
2. Exhaust fan systems have backdraft or automatic dampers.		
3. Gravity ventilating systems serving conditioned space have either automatic or readily accessible, manually operated dampers.	_____	_____
14: Pool and Spa Heating Systems and Equipment		
1. System is certified with 78% thermal efficiency, on-off switch, weatherproof operating instructions, no electric resistance heating and no pilot light.		
2. System is installed with:		
a. At least 36 inches of pipe between filter and heater for future solar heating.		
b. Cover for outdoor pools or outdoor spas.		
3. Pool system has directional inlets and a circulation pump time switch.	_____	_____
15: Gas-fired central furnaces, pool heaters, spa heaters or household cooking appliances have no continuously burning pilot light (Exception: Non-electrical cooking appliances with pilot < 150 Btu/hr .	_____	_____

Project Title..... Mansour Addition

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MICROPASS v5.10 File-20351 Wth-CTZ12S92 Program-FORM MF-1R User#-MP2093 User-Accurate Energy Run-Compliance Documentation
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LIGHTING MEASURES

	Design-	Enforce-
	er	ment

150(k)1: Luminaires for general lighting in kitchens shall have lamps with an efficacy of 40 lumens/watt or greater for general lighting in kitchens. This general lighting shall be controlled by a switch on a readily accessible lighting control panel at an entrance to the kitchen.

50(k)2: Rooms with a shower or bathtub must either have at least one luminaire with lamps with an efficacy of 40 lumens/watt or greater switched at the entrance to the room or one of the alternatives to this requirement allowed in Sec. 150(k)2.; and recessed ceiling fixtures are IC (insulation cover) approved.

_____	_____
_____	_____

Project Title..... Mansour Addition

Date..07/25/00 11:37:10

MICROPASS v5.10 File-20351 Wth-CTZ12S92 Program-FORM 3R
 User#-MP2093 User-Accurate Energy Run-Compliance Documentation



Parallel Path Method

Reference Name . W.13.2X4.16
 Description Wall R-13 2x4 16oc
 Type Wall
 R-Value 13 Hr-sf-F/Btu
 Framing
 Material FIR.2X4
 Type Wood
 Description .. 2x4 fir
 Spacing 16 inches on center
 Framing Frac.. 0.15

Sketch of Construction Assembly

LIST OF CONSTRUCTION COMPONENTS

Material Name	Description	Cavity R-Value	Frame R-Value
0. FILM.EX	Exterior air film: winter value	0.17	0.17
1. STUCCO.0.88	0.875 in stucco	0.17	0.17
2. BLDG.PAPER	Building paper (felt)	0.06	0.06
3c. BATT.R13	R-13 batt insul (cavity = 3.5 in)	13.00	--
3f. FIR.2X4	2x4 fir	--	3.46
4. GYP.0.50	0.50 in gypsum or plaster board	0.45	0.45
5. FILM.IN.WLL	Inside air film: heat sideways	0.68	0.68
Total Unadjusted R-Values		14.53	5.00

FRAMING ADJUSTMENT CALCULATION

Cavity	Framing	Total
$U\text{-Value: } (1 / (14.53 \times 0.85)) + (1 / (5.00 \times 0.15)) = \underline{0.088} \text{ Btu/hr-sf-F}$		
$\text{Total R-Value: } 1 / 0.088 = 11.30 \text{ hr-sf-F/Btu}$		

Project Title..... Mansour Addition

Date..07/25/00 11:37:10

MICROPASS v5.14 File-#0351 Wth-CTZ12S92 Program-FORM 3R
 User#-MP1193 User-Accurate Energy Run-Compliance Documentation

Parallel Path Method

Reference Name . R.19.2X8.24

Description Roof R-19 2x8 24oc

Type Roof

R-Value 19 Hr-sf-F/Btu

Framing

Material FIR.2X8

Type Wood

Description .. 2x8 fir

Spacing 24 inches on center

Framing Frac.. 0.07

Sketch of Construction Assembly

LIST OF CONSTRUCTION COMPONENTS

Material Name	Description	Cavity R-Value	Frame R-Value
1. FILM.EX	Exterior air film: winter value	0.17	0.17
2. SHNGL.ASPHLT	Asphalt shingle roofing	0.44	0.44
3. BLDG.PAPER	Building paper (felt)	0.06	0.06
4. PLY.0.50	0.50 in plywood	0.62	0.62
5. AIR.RF.0.75	0.75 in (approx) air space: heat flow up	0.75	--
6. FIR.2X8	2x8 fir	--	7.18
7. BATT.R19.U	R-19 batt insul (cavity > 5.5 in)	19.00	--
8. GYP.0.50	0.50 in gypsum or plaster board	0.45	0.45
9. FILM.IN.RF	Inside air film: heat flow straight up	0.61	0.61
Total Unadjusted R-Values		22.10	9.53

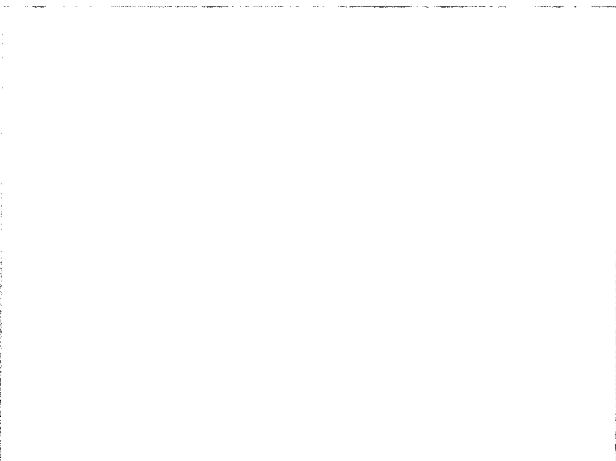
FRAMING ADJUSTMENT CALCULATION

Cavity	Framing	Total
$U\text{-Value: } (1 / (22.10 \times 0.93)) + (1 / (9.53 \times 0.07)) = \underline{0.049} \text{ Btu/hr-sf-F}$		
$\text{Total R-Value: } 1 / 0.049 = 20.23 \text{ hr-sf-F/Btu}$		

Project Title..... Mansour Addition

Date..07/25/00 11:37:10

MICROPASS v5.10 File-20351 Wth-CTZ12S92 Program-FORM 3R
 User#-MP2093 User-Accurate Energy Run-Compliance Documentation



Parallel Path Method
 Reference Name . FC.19.2X8.16
 Description Floor Crwl R-19 2x8 16oc
 Type Floor
 R-Value 19 Hr-sf-F/Btu
 Framing
 Material FIR.2X8
 Type Wood
 Description .. 2x8 fir
 Spacing 16 inches on center
 Framing Frac.. 0.10

Sketch of Construction Assembly

LIST OF CONSTRUCTION COMPONENTS

Material Name	Description	Cavity R-Value	Frame R-Value
0. FILM.EX	Exterior air film: winter value	0.17	0.17
1. CRAWLSPACE	Effective R-value of vented crawlspace	6.00	6.00
2c. BATT.R19.U	R-19 batt insul (cavity > 5.5 in)	19.00	--
2f. FIR.2X8	2x8 fir	--	7.18
3. PLY.0.75	0.75 in plywood	0.93	0.93
4. CARPET	Carpet & pad	2.08	2.08
5. FILM.IN.FLR	Inside air film: heat flow down	0.92	0.92
Total Unadjusted R-Values		29.10	17.28

FRAMING ADJUSTMENT CALCULATION

Cavity	Framing	Total
$U\text{-Value: } (1 / 29.10 \times 0.90) + (1 / 17.28 \times 0.10) = \underline{\underline{0.037}} \text{ Btu/hr-sf-F}$		
$\text{Total R-Value: } 1 / 0.037 = 27.24 \text{ hr-sf-F/Btu}$		

Project Title..... Mansour Addition Date..07/25/00 11:37:10
 Project Address..... 120 Coloma Avenue *****
 Sacramento, California *v5.10*
 Documentation Author... Todd Ferris *****
 Accurate Energy
 9339 Matador Way
 Sacramento, CA 95826
 916-368-8666
 Climate Zone..... 12
 Compliance Method..... Prescriptive Compliance of Additions < 100 Sq. Ft.

Building Permit #
Plan Check / Date
Field Check/ Date

MICROPAS5 v5.10 File-20351 Wth-CTZ12S92 Program-HVAC SIZING
 User#-MP2093 User-Accurate Energy Run-Compliance Documentation

GENERAL INFORMATION

Floor Area..... 76.5 sf
 Volume..... 612 cf
 Front Orientation..... Front Facing 111 deg (E)
 Sizing Location..... SACRAMENTO CO
 Latitude..... 38.6 degrees
 Winter Outside Design..... 35 F
 Winter Inside Design..... 70 F
 Summer Outside Design..... 100 F
 Summer Inside Design..... 78 F
 Summer Range..... 32 F
 Interior Shading Used..... No
 Exterior Shading Used..... No
 Overhang Shading Used..... No
 Latent Load Fraction..... 0.20

HEATING AND COOLING LOAD SUMMARY

Description	Heating (Btuh)	Cooling (Btuh)
Opaque Conduction and Solar.....	1083	656
Glazing Conduction.....	1838	1155
Glazing Solar.....	n/a	4005
Infiltration.....	387	148
Internal Gain.....	n/a	0
Ducts.....	165	596
Sensible Load.....	3473	6560
Latent Load.....	n/a	1312
Minimum Total Load	3473	7873

Note: The loads shown are only one of the criteria affecting the selection of HVAC equipment. Other relevant design factors such as air flow requirements, outside air, outdoor design temperatures, coil sizing, availability of equipment, oversizing safety margin, etc., must also be considered. It is the HVAC designer's responsibility to consider all factors when selecting the HVAC equipment.