

CITY OF SACRAMENTO
1231 I Street, Sacramento, CA 95814

Permit No: 9811564
Insp Area: 3

Site Address: 3700 32ND ST SAC
Parcel No: 020-0014-035

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

CONTRACTOR

OWNER
NEW HOPE BAPTIST CHURCH
3700
SACRAMENTO CA 95820

ARCHITECT

Nature of Work: ADDITION TO EXISTING CHURCH CLASS ROOMS&REMODEL EXISTING CHURCH REST ROOMS

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.

License Class _____ License Number _____ Date _____ Contractor 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 September 5, 2000 Owner Signature Danell Burnett

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.

Date September 5, 2000 Applicant/Agent Signature Danell Burnett

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 Exempt Policy Number _____ Exp Date _____

(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.

Date September 5, 2000 Applicant Signature Danell Burnett

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.

APPLICATION FOR **BUILDING PERMIT**

9811569-C

DEVELOPMENT SERVICES DIVISION
 PERMIT SERVICES SECTION
 1231 I Street, Rm. 200
 Sacramento, CA 95814 (916) 264-7619 FAX 264-7046

PLAN CHECK # _____ Insp. Area _____

Applicant **MUST** complete ALL Unshaded areas
 this page only
 (assessor's address) Suite _____

Site ADDRESS 3100 32ND ST.
 PARCEL # 020-0014-029

Name <u>Herdell Burnett</u> Address <u>1101 Nogales Street</u> <u>Sacramento, Calif</u> Zip <u>95838</u> Phone <u>916-932-2888</u> FAX _____ CONTACT - PASTOR	BUILDING DESIGNER Lic No. # _____ Name <u>MAX SCHAFFNER</u> Address <u>MAS COMPANY</u> <u>SACRAMENTO</u> Zip _____ Phone _____ FAX _____
ARCHITECT Name <u>DANA HARRUFF - AIA</u> Address _____ Zip _____ Phone <u>916 442-2799</u> FAX <u>731-4552</u>	OWNER'S Name <u>DANA HARRUFF - ARCHITECT</u> Address <u>Lynn</u> Zip _____ Phone <u>442-2799</u> FAX _____

→ Will the permittee have any employees on the jobsite? Yes No

→ If yes, WORKER'S COMPENSATION POLICY # _____ EXPIRATION DATE: _____

NAME OF INSURANCE COMPANY: _____

NATURE OF WORK IN DETAIL:
3595th ADDITION TO CHURCH Sunday school
and remodel (E) existing restrooms Class rooms

DBA: NEW HOPE BAPTIST CHURCH VALUATION: _____

FLOOD STATUS:		S.C.A.T. <u>200, 201</u>							
JOB DESCRIPTION	BLDG	SHEL	APT	TI()	REM()	SW	FIRE	ADD	OTH
INSP. DISCIPLINES		<input checked="" type="checkbox"/> BLDG	<input checked="" type="checkbox"/> MECH	<input checked="" type="checkbox"/> PLUMB	<input checked="" type="checkbox"/> ELEC	<input checked="" type="checkbox"/> SITE	<input checked="" type="checkbox"/> FIRE		
# Stories	1st flr Area	Total Area	Use Zone	Occp Group	Const type	Fire Rec. Y/N	Fed Code	Vio. File	
<u>1</u>	<u>1200</u>	<u>7200</u>	<u>M</u>	<u>A-3</u>	<u>V-W</u>	<u>Y</u>	<u>01</u>		
<input checked="" type="checkbox"/> B	<input checked="" type="checkbox"/> C	<input checked="" type="checkbox"/> P	<input checked="" type="checkbox"/> M	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/> F	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> D	<input checked="" type="checkbox"/> R	

COMMENTS:
UNDERGROUND PLUMBING? WATER FLOW TEST
T-20
ELECT LOAD CALCS
REG. SAN

REGIONAL SANITATION FEES? Yes No HEALTH DEPARTMENT? Yes No



Post-It® Fax Note	7871	Date	10/9/01	# of pages	6
To	Bill Leer	From	Lynn Sutton		
Co./Dept.		Co.			
Phone #		Phone #	209-465-2225		
Fax #	916-452-0914	Fax #	209-465-0407		

October 8, 2001

Mr. Bill Leer
William E. Leer Construction
2005 San Marco Drive
Modesto, CA 95355

Dear Mr. Leer,

Re: New Hope Baptist Church
Sacramento, California
Permit #9811564

You had indicated in our phone conversation today that for the "North Shear Wall" and the "South Shear Wall", as detailed on Sheet A-5 of the plans, you had installed 8d shear wall nailing that had a diameter of 0.113 inches, which is considered a box nail. You said that the building inspector had informed you that 8d nailing with a diameter of 0.131 inches, which is considered a common nail, should have been used.

The structural calculations I prepared for this project made reference to the design values for structural members and connectors as specified in the Uniform Building Code (UBC). For shear wall nailing, see attached copy of Table 23-II-I-1 in which I highlight in yellow the specification for the type of nail to be used. This table requires that all nailing be "Common or Galvanized Box". Apparently the nails you used were not galvanized box, which means that the nailing you installed does not meet the requirements of the UBC.

Please note on the attached table that the allowable shear load for 8d(common) @ 4" on center is 360 pounds per foot. But, according to footnote 4 and assuming that you applied the plywood shear panels directly to studs no greater than 16 inches apart, the allowable shear load can be increase to a value of 430 pounds per foot.

Enclosed is a copy of Page 6 from the structural calculations for the project. My calculations indicate that the design shear load is 296 pounds per foot. This means that based on the design requirements of the UBC, the shear wall will theoretically be loaded to about 69% ($296/430 \times 100$) of the calculated maximum allowable wall loading bascd on 3/8" Structural I plywood with 8d(common) @ 4" on center.

Enclosed is a copy of UBC Tables 23-III-C-1 (Box Nail Design Values) and 23-III-C-2 (Common Wire Nail Design Values). I highlight in yellow the design values for an

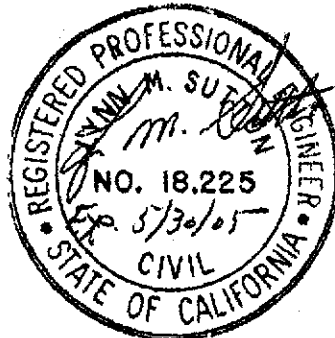
individual 8d nail in each case. For the box and common nails the maximum allowable load value is 59 pounds and 76 pounds, respectively. Relatively speaking, it appears that the allowable load for the box nail is about 78% ($59/76 \times 100$) of the value for the common nail. In my opinion, this means that the maximum design load for Structural I plywood with 8d(box) @ 4" on center should be reduced to 335 pounds per foot ($430 \times 78\%$). This reduced allowable load is still above the calculated design loading of 296 pounds per foot.

In conclusion, it is my professional opinion that, even though you did not install the proper type nails for the "North and South Shear Walls", what I consider the reduced allowable loading for the wall is still above what I calculated as the design loading. Therefore, in my opinion, no reinforcement or structural strengthening is needed for the "North and South Shear Walls".

I base my above conclusion on information you have provided me and on assumptions I have stated herein. If any of this information is incorrect, then the conclusion I have reached could change.

Sincerely,

Lynn Sutton
Lynn Sutton-Civil Engineer





PHONE 209.468.2888
FAX 209.468.2407
FACER 209.948.9150

10 WEST MENDOCINO AVE.
STOCKTON, CALIFORNIA
95204-3888

WORKSHEET

Date January 28, 1997
Job No. 1002

Project New Hope Baptist Church, Sacramento

Client MAS and Associates

Subject Lateral Load Structural Calcs Designer Lynn Sutton

Panel A

$RM_{2A} = 5650 \times 5' = 27,750$

$T_1 = \frac{61,310 - 27,750}{11.5 - 0.5} = 3050 \text{ lbs}$

Panel "B"

$RM_{2B} = 6,400 \times 5' = 32,000 \text{ lbs}$

$T_2 = \frac{73,880 - 32,000}{13.67 - 0.5} = 3104 \text{ lbs}$

At each end of wall and on each side of door install Simpson 1407A Holdover Allowable Load = 3240 lb & 1 1/2" stud

Shear above doorway = $7455 / 30.33 = 246 \text{ plf}$

Shear below doorway = $7455 / (11.5 + 15.0) = 296 \text{ plf}$

Use 3/8" L.P. or CC plywood sheathing with 8d @ 4" o/c Allow load = 320 plf

Provide 31 cu ft. of concrete to hold down w.p. lift force
 $W = 31 \times 150 \text{ plf} = 4650$

Code Ref.

X

X

X

1997 UNIFORM BUILDING CODE

TABLE 23-III-C-1

TABLE 23-III-C-1—BOX NAIL DESIGN VALUES (Z) FOR SINGLE SHEAR (Two Member) CONNECTIONS^{1,2,3}
(With both members of identical species)

SIDE MEMBER THICKNESS t _s (Inches)	NAIL LENGTH L (Inches)	NAIL DIAMETER D (Inches)	PENNY-WEIGHT	G=0.85	G=0.50	G=0.42
				SOUTHERN PINE Z lbs.	DOUGLAS-FIR LARCH Z lbs.	SPRUCE-PINE-FIR Z lbs.
	x 28.4 for mm				x 4.48 for N	
1/2	2	0.099	6d	55	48	38
	2 1/2	0.113	8d	67	59	47
	3	0.128	10d	82	75	59
	3 1/4	0.128	12d	82	73	59
	3 1/2	0.135	16d	89	79	65
	4	0.148	20d	101	90	73
	4 1/2	0.148	30d	101	90	73
	5	0.162	40d	117	105	87
3/4	2	0.099	6d	61	55	47
	2 1/2	0.113	8d	79	72	57
	3	0.128	10d	101	87	68
	3 1/4	0.128	12d	101	87	68
	3 1/2	0.135	16d	108	94	74
	4	0.148	20d	121	105	83
	4 1/2	0.148	30d	121	105	83
	5	0.162	40d	138	121	96
1	2 1/2	0.113	8d	79	72	61
	3	0.128	10d	101	93	79
	3 1/4	0.128	12d	101	93	79
	3 1/2	0.135	16d	113	103	86
	4	0.148	20d	128	118	96
	4 1/2	0.148	30d	128	118	96
		5	0.162	40d	154	141
1 1/2	3 1/4	0.128	12d	101	93	79
	3 1/2	0.135	16d	113	103	88
	4	0.148	20d	128	118	100
	4 1/2	0.148	30d	128	118	100
	5	0.162	40d	154	141	120

¹Tabulated lateral design values (Z) for nailed connections shall be multiplied by all applicable adjustment factors (see Division III, Part I).

²Tabulated lateral design values (Z) are for box nails inserted in side grain with nail axis perpendicular to wood fibers and with the following nail bending yield strengths (F_y):

F_y=100,000 psi (690 N/mm²) for 0.099- (2.5 mm), 0.113- (2.9 mm), 0.128- (3.3 mm) and 0.135-inch-diameter (3.4 mm) box nails.

F_y=90,000 psi (621 N/mm²) for 0.148- (3.8 mm) and 0.162-inch-diameter (4.1 mm) box nails.

³For other species and configurations, see Division III, Part I.

TABLE 23-II-C-2
 TABLE 23-II-D

1997 UNIFORM BUILDING CODE

TABLE 23-II-C-2—COMMON WIRE NAIL DESIGN VALUES (Z) FOR SINGLE SHEAR (Two Member) CONNECTIONS^{1,2,3}
 (with both members of identical species)

SIDE MEMBER THICKNESS t _s (Inches)	NAIL LENGTH L (Inches) x 25.4 for mm	NAIL DIAMETER D (Inches)	PENNY-WEIGHT	G=0.95	G=0.80	G=0.42
				SOUTHERN PINE 2 lbs.	DOUGLAS-FIR LARCH 2 lbs.	SPRUCE-PINE-FIR 2 lbs.
1/2	2	0.113	6d	67	70	47
	2 1/2	0.131	8d	85	90	61
	3	0.148	10d	101	105	73
	3 1/4	0.148	12d	101	105	73
	3 1/2	0.162	16d	117	105	87
	4	0.192	20d	137	124	103
	4 1/2	0.207	30d	148	134	112
	5	0.225	40d	162	147	123
3/4	5 1/2	0.244	50d	166	151	127
	6	0.263	60d	188	171	144
	2 1/2	0.131	8d	104	90	70
	3	0.148	10d	121	105	83
	3 1/4	0.148	12d	121	105	83
	3 1/2	0.162	16d	138	121	96
1	4	0.192	20d	157	138	111
	4 1/2	0.207	30d	166	147	119
	5	0.225	40d	178	158	129
	5 1/2	0.244	50d	182	162	132
	6	0.263	60d	203	181	149
	1 1/2	3	0.148	10d	128	118
3 1/4		0.148	12d	128	118	96
3 1/2		0.162	16d	154	141	109
4		0.192	20d	183	159	124
4 1/2		0.207	30d	192	167	131
5		0.225	40d	202	177	140
1 1/2	5 1/2	0.244	50d	207	181	143
	6	0.263	60d	227	199	159
	3 1/2	0.162	16d	154	141	120
	4	0.192	20d	185	170	144
	4 1/2	0.207	30d	203	186	158
1 1/2	5	0.225	40d	224	205	172
	5 1/2	0.244	50d	230	211	175
	6	0.263	60d	262	240	191

¹Tabulated lateral design values (Z) for nailed connections shall be multiplied by all applicable adjustment factors (see Division III, Part I).
²Tabulated lateral design values (Z) are for common wire nails inserted in side grain with nail axis perpendicular to wood fibers and with the following nail bending yield strengths (F_y):
 F_y = 100,000 psi (690 N/mm²) for 0.113- (2.9 mm), 0.131- (3.3 mm) and 0.135-inch-diameter (3.4 mm) common wire nails.
 F_y = 90,000 psi (621 N/mm²) for 0.148- (3.8 mm) and 0.162-inch-diameter (4.1 mm) common wire nails.
 F_y = 80,000 psi (552 N/mm²) for 0.192- (4.9 mm), 0.207 (5.3 mm) and 0.225-inch-diameter (5.7 mm) common wire nails.
 F_y = 70,000 psi (482 N/mm²) for 0.244- (6.2 mm) and 0.263-inch-diameter (6.7 mm) common wire nails.
³For other species and configurations, see Division III, Part I.

TABLE 23-II-D—NAIL AND SPIKE WITHDRAWAL DESIGN VALUES (W)^{1,2}
 Tabulated Withdrawal Design Values (W) Are in Pounds per Inch of Penetration into Side Grain of Main Member

	SPECIFIC GRAVITY, G	COMMON WIRE NAILS, BOX NAILS AND COMMON WIRE SPIKES Diameter, D														
		0.090"	0.113"	0.128"	0.131"	0.135"	0.148"	0.162"	0.192"	0.207"	0.225"	0.244"	0.263"	0.312"	0.375"	
Southern Pine	0.55	31	35	40	41	42	46	50	59	64	70	76	81	88	97	116
Douglas-Fir Larch	0.50	24	28	31	32	33	36	40	47	50	55	60	64	69	76	91
Spruce-Pine-Fir	0.42	16	18	20	21	21	23	26	30	33	35	38	41	45	49	59

¹Tabulated withdrawal design values (W) for nail or spike connections shall be multiplied by all applicable adjustment factors (see Division III, Part I).
²For other species and configurations, see Division III, Part I.

City of Sacramento
Water and Sewer Service Quotation

Date: 12-14-1998 Time: 13:39 hrs Building Permit No.: B98-101 Plan Check No.: 9811564
 Address: 3700 37TH STREET Parcel No.: 020-0014-035
 Description: ADDITION & REMODEL
 NEW HOPE BAPTISH CHURCH
 Subdivision Map: UNKNOWN Water Plan No.: NONE
 Estimate by: DAN LEE Bldg. Insp. Reviewer: UNKNOWN
 Engineering Firm: SUTTON ARCHITECT
 Sewer Jurisdiction:
 Comment No. 1 - NO DEVELOPMENT FEES REQUIRED - NO NEW SERVICE REQUESTED

 TOTAL WATER DEV. FEES: \$0.00 TOTAL ON-SITE GRADING
 TOTAL SEWER DEV. FEES: \$0.00 AND DRAINAGE REVIEW FEE: \$300.00
 =====

Water Services Quotations

Main Service Size	Service Size	Description	Qty	Tap Fee-ea.	Meter Fee-ea.	Tot. Tap Cost	Dev. Fees
Total for Water:							\$0.00
Parcel Area: 0 acres						Acreage Charge:	\$0.00

Sewer Services Quotations

Main Service Size	Service Size	Description	Qty	St. (ft)	MH Fee/ea.	Tap Fee/ft.	Total Cost	Dev. Fees
NOTE: TOT. COST=QNTY X ST/2 X TAP FEE + MH FEE							Total for Sewer:	\$0.00
							Water Main Construction Charge:	\$0.00
							Total for Address:	\$0.00

WATER DEVELOPMENT FEES ARE BASED ON THE SIZE OF DOMESTIC SERVICE.

WATER SUPPLY TEST - DEPT. OF UTILITIES		TEST NO: 99-58	FILE NO: R99-0058
1395 35TH AVENUE		REQUEST DATE: 7-21-99	PC #
SACRAMENTO, CA. 95822		COMPLETE DATE: 8-4-99	
PHONE: 916 / 264-1430		ANALYSIS FEE: \$99.00	DATE PAID: \$90.00 7-21-99
FAX: 916 / 264-8897		FIELD TEST FEE: \$360.00	DATE PAID: \$360.00 7-21-99
CONTACT PERSON: DANA HERRUFF	PHONE NO: (916) 442-2779	FAX NO: 444-3541	
COMPANY: DANA HERRUFF ARCHITECTS	CELL PHONE NO: /		
COMPANY ADDRESS: 1032 10TH AVE.	STREET ADDRESS OF TEST: 3700 32ND ST.		
PURPOSE OF TEST: FIRE PROTECTION	ASSESSOR'S PARCEL NUMBER: APN# 020-0014-035-000		

The undersigned agrees to the following items and conditions:

- (1) The street address shown above is correct.
- (2) Water supply data is developed from several sources of information which may include water supply test data, pipe network computer models, and continuous pressure recording stations. The design water supply data given below is to be used for design purposes.
- (3) Although the water supply data reported herein is believed to be accurate, the City makes no warranty, guaranty, certification or other representation of any kind that such data is accurate or correct, or that the pressures and/or flow rates reported herein can or will be maintained. The undersigned agrees that the City, its officers and employees shall not be liable for any damages of any kind resulting from the use of or reliance upon the water supply data reported herein by the undersigned or by any third party.
- (4) If the undersigned desires to witness the water supply test performed by the City, please check the box below:
 I want to witness this water supply test, which will be scheduled at the convenience of the Department of Utilities.
- (5) If the undersigned elects to hire a licensed engineer, at the undersigned's sole expense, to witness and certify the water supply test performed by the City, please check the box below:
 At my expense, I will arrange for a licensed engineer to witness and certify this water supply test, which will be scheduled at the convenience of the Department of Utilities.

Print Name: DANA HERRUFF Signature: *[Signature]* Date: 07/21/99
 ENGINEERING REQUEST DATE: 7-21-99 DATE OF TEST: 7-22-99 TIME OF TEST: 10:35

WATER MAIN SIZE: 8" TEST CONDUCTED BY: Perrone - Stecklein - Mantsch - ERIC

	HYDRANT NO.	MAP PAGE	STATIC PRES. (PSI)	RESIDUAL PRES. (PSI)	PILOT PRES. (PSI)	OUTLET DIA. (IN.)	COEFFICIENT		CALC. FLOW @ PRES. (G.P.M.)	FLOW @ 20 PSI (G.P.M.)
							C ₁	C ₂		
RESIDUAL	53	32	53	33						
FLOWED	46	32			8	4.5	0.90	0.83	1276	
FLOWED	54	32			8	4.5	0.90	0.83	1276	
FLOWED									TOTAL	2552 3344

- THE WATER SUPPLY TEST DATA IS NOT TO BE USED FOR THE DESIGN OF DOMESTIC WATER SYSTEMS.
- (STATIC PRES. - RESIDUAL PRES.) / (STATIC PRES. - 20 PSI) IS LESS THAN 25%. THEREFORE, THESE RESULTS ARE ONLY VALID FOR FLOWS NOT EXCEEDING G.P.M.

$$Q = 29.83 C_1 C_2 D^{5/2} \sqrt{P_{100} - P_{20}}$$

$$Q_{1/2} = Q \left(\frac{P_{100} - 20}{P_{100} - P_{20}} \right)^{0.5}$$

	ACTUAL	DESIGN (1)
STATIC PRES.	53 PSI	40 PSI
RESIDUAL PRES.	33 PSI	20 PSI
TOTAL FLOW @ RESIDUAL PRES.	2600 G.P.M.	2600 G.P.M.
TOTAL FLOW @ 20 PSI	3300 G.P.M.	2600 G.P.M.

(1) The Design Water Supply Data reflects fluctuations and future demands on the water distribution system. It is to be used for design purposes.

FAX TRANSMITTAL SHEET
WILLIAM E. LEER CONSTRUCTION

2005 San Marco Dr.
Modesto, California 95355

DATE: 10-15-2001 **TOTAL OF PAGES (3) INCL. COVERSHEET**

TO: GARY DARMS OR VERN FREITAS

COMPANY: CITY OF SACRAMENTO BUILDING DEPARTMENT

RE: CHANGE IN FIRE CORRIDOR 1 HOUR DESIGN FROM APPROVED
PLAN SET NEW HOPE CHURCH PERMIT NUMBER 9811564, AREA 3 C.

FAX#: (916) 264-8370 **TELEPHONE#:** (916) 264-5716

FROM: WILLIAM LEER

SENDERS FAX #: (209) 577-3531 **SENDERS PHONE #:** (209) 577-3531

MESSAGE: DEAR GARY OR VERN,

ON YOUR LAST FRAMING INSPECTION AT NEW HOPE CHURCH, YOU
HAD REQUESTED A REDESIGN OF (THE APPROVED CITY SET OF FIRE
CORRIDOR DRAWINGS) OF THE ONE HOUR CEILING DESIGN OF THE
FIRE CORRIDORS BEFORE WE WOULD BE ABLE TO SHEETROCK.

PLEASE FIND ENCLOSED REVISED DRAWINGS FOR YOUR APPROVAL.
IF THIS IS SATISFACTORY PLEASE LET ME KNOW BY FAX OR PHONE
ASAP SO WE CAN CONTINUE WITH THE COMPLETION OF THE
CLASSROOM ADDITION.

THANK YOU,

BILL 

PERSON TRANSMITTING: WILLIAM LEER

***DIAL (209) 577-3531 IF PAGES ARE MISSING.**

COPY: NEW FAZE CONSTRUCTION MAMAGEMENT

EXISTING NEW NOSE PLAN REJECTED BY CITY

ENGINEERED

2 5/8" TYPE "X" GYP.
 BD.
 EXS.
 TYPE "X" GYP.

12
 TYPE "X" GYP.

7 ON FINISH
 STRUCTURAL

ENGINEERED

2 5/8" TYPE "X" GYP.
 BD.
 EXS.
 TYPE "X" GYP.

EX
 TYPE "X" GYP.

NAILER

2 LAYERS
 5/8" TYPE "X" GYP.
 BD.

R-30 F.I. BATT INSUL.
 1 LAYER 5/8" TYPE "X" GYP. BD.
 PRE-ENGINEERED
 ROOF TRUSSES

2X4 SID. STUDS
 @ 16" O.C. (FIRE
 TREATED)

CARPET ON FINISH
 SEE STRUCTURAL

PRE-ENGINEERED
 FLUTE TRUSSES
 1 LAYER 5/8" TYPE "X" GYP. BD.

2 LAYERS
 5/8" TYPE "X" GYP.
 BD.

CARPET ON FINISH
 SEE STRUCTURAL

CONC. SLAB AND
 FOOTING
 SEE STRUCTURAL

1 THE CORRIDOR
 A-A SCALE 1/2" = 1'-0"

2X6 DOUBLE TOP PLATE
 (TYP.)

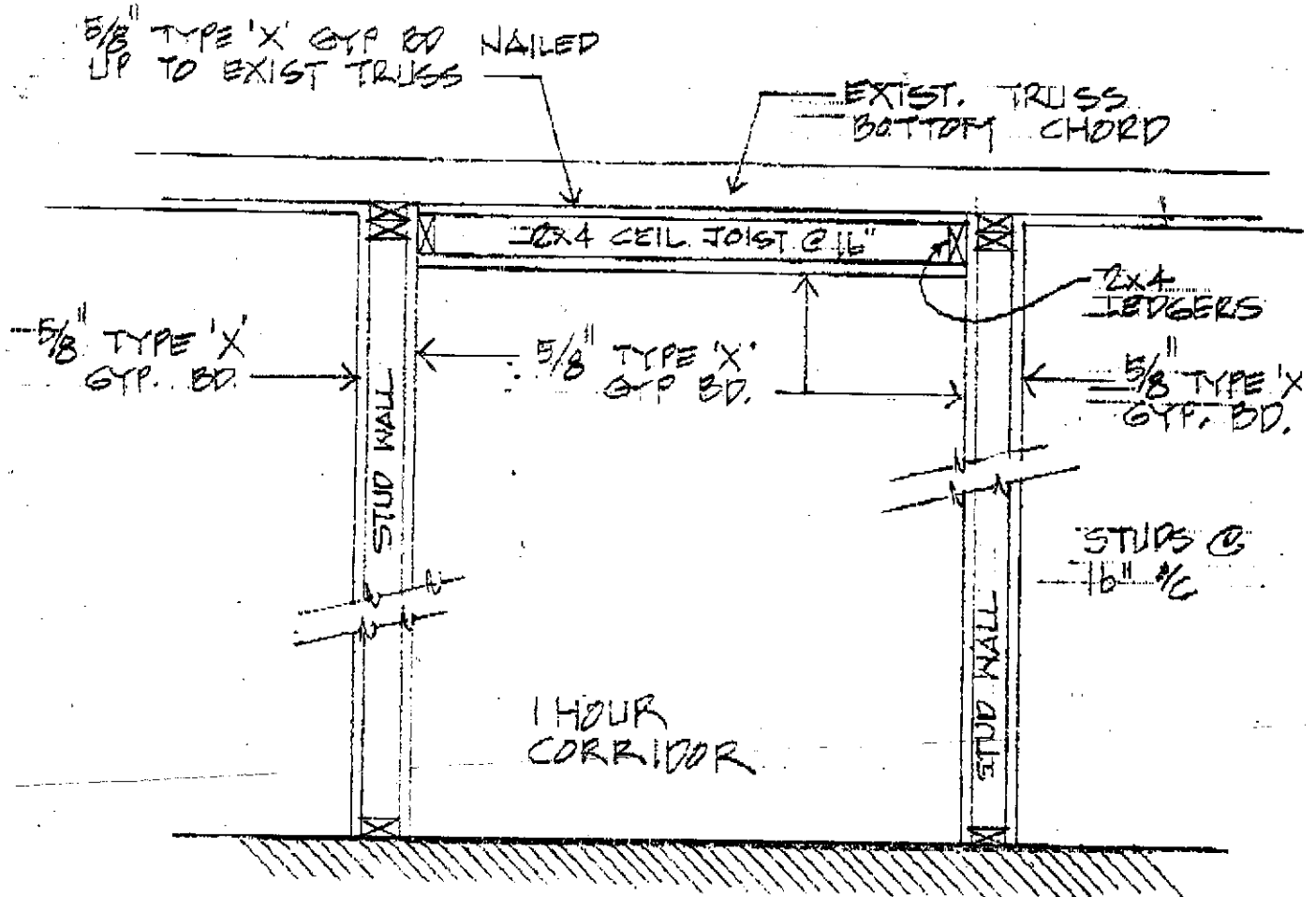
2X6 STUD @ 16" O.C.
 (TYP.)

4X12 HEADER
 (TYP.)

2 A-A	
DOOR I.D.	DOOR SIZE
	31'-0" x 16'-8"

(Revised) 1 HOUR CORRIDOR CEILING

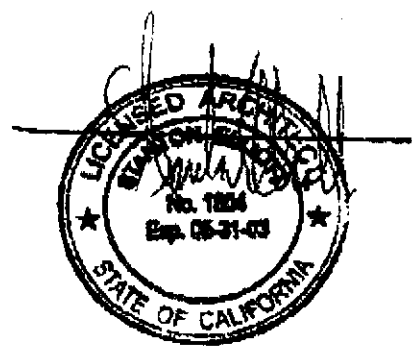
ARCHITECT STANTON ELLIOTT
 164 RAY ST
 PLEASANTON, CA.
 925-846-1300



1 HOUR CORRIDOR DETAIL

... NO SCALE

NEW HOPE BAPTIST CHURCH
 3700 32ND STREET
 SACRAMENTO, CA. 95820



HVAC SYSTEM REPORT

FAN NAMEPLATE DATA

MANUFACTURER TRANE
 MODEL YCC04BFIH08H
 TYPE PKG 6/E
 SIZE 4 TON
 SERIAL NUMBER Z 343JRF2H

FAN PULLEY DATA

DIAMETER
 SHAFT DIRECT DRIVE
 ADJ/FIXED

MOTOR NAMEPLATE DATA

MANUFACTURER G.E.
 VOLTS/PHASE 208 1φ
 HORSEPOWER 3/4
 FULL LOAD AMPS 3.7
 RPM 1080

SERVICE FACTOR 1.0

MOTOR PULLEY DATA

DIAMETER
 SHAFT DIRECT DRIVE
 ADJ/FIXED

BELT NO. & SIZE

CONDENSING UNIT DATA

MANUFACTURER N/A
 MODEL N/A
 TONNAGE N/A
 SERIAL NUMBER N/A

FAN DESIGN ACTUAL

SUPPLY AIR CFM	1600	1575
RETURN AIR CFM	1250	1250
OUTSIDE AIR CFM	350	350
FAN SPEED	H	H
STATIC PRESSURE +		.21
STATIC PRESSURE -		.24
TOTAL STATIC PRESSURE	.50	.45
FILTER STATIC PRESSURE		.11

MOTOR

AMPS	3.7	2.8
VOLTS	208	208
HORSEPOWER	.75	.75
MOTOR SPEED		1079

FIELD FORMS AVAILABLE

- DUCT TRAVERSE
- SYSTEM DIAGRAM
- PULLEY CALCULATIONS

TEMPERATURE IN 74
 TEMPERATURE OUT 53
 (DROPRISE) 21

DIFFUSERS AND GRILLES

Room	Outlet Number	Code	Size	Required CFM	Test 1	Final CFM	% of Design
CL	1	FS	10X10	200	195	195	97.5%
C2	2	FS	10X10	200	200	200	100%
C2	3	FS	10X10	200	205	205	102.5%
HALL	4	FS	10X10	200	180	190	95%
C3	5	FS	10X10	200	190	205	102.5%
C4	6	FS	10X10	200	180	185	92.5%
C4	7	FS	10X10	200	190	195	97.5%
C5	8	FS	10X10	200	210	205	102.5%
				1600	1550	1575	98%
C1	R1	CR	14X14	750	750	145	97%
C2	R2	CR	14X14	150	150	160	107%
HALL	R3	CR	14X14	200	190	190	95%
C3	R4	CR	14X14	300	300	300	100%
C4	R5	CR	14X14	300	310	305	101.7%
C5	R6	CR	14X14	750	750	750	100%
				1250	1250	1250	100%

REMARKS

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DATE

3/1/02

PROJECT

NEW HOPE
 BAPTIST

SYSTEM

ONE

READINGS

RICH

JOB NUMBER

209-538-837
 J.C. REFRIGERATION
 CERES CA 95307 CS-09736

HVAC SYSTEM REPORT

FAN NAMEPLATE DATA

MANUFACTURER TRANE
 MODEL YCC048FH0BH
 TYPE PKG 16E/DOWN
 SIZE 4T
 SERIAL NUMBER Z322JL2H
FAN PULLEY DATA

DIAMETER DIRECT
 SHAFT DRIVE
 ADJ/FIXED

MOTOR NAMEPLATE DATA

MANUFACTURER G.E.
 VOLTS/PHASE 208 1φ
 HORSEPOWER 3/4
 FULL LOAD AMPS 3.7
 RPM 1080
 SERVICE FACTOR 1.0

MOTOR PULLEY DATA

DIAMETER
 SHAFT DIRECT
 ADJ/FIXED DRIVE

BELT NO. & SIZE

CONDENSING UNIT DATA

MANUFACTURER
 MODEL N/A
 TONNAGE
 SERIAL NUMBER

FAN	DESIGN	ACTUAL
SUPPLY AIR CFM	1600	1590
RETURN AIR CFM	1200	1200
OUTSIDE AIR CFM	400	400
FAN SPEED	F1	F1
STATIC PRESSURE +		.21
STATIC PRESSURE -		.25
TOTAL STATIC PRESSURE		.46
FILTER STATIC PRESSURE		.10

MOTOR

AMPS	3.7	3.0
VOLTS	208	206
HORSEPOWER	.75	.75
MOTOR SPEED		1065

FIELD FORMS AVAILABLE

- DUCT TRAVERSE
- SYSTEM DIAGRAM
- PULEY CALCULATIONS

TEMPERATURE IN 73
 TEMPERATURE OUT 51
 DROP/RISE 22

DIFFUSERS AND GRILLES

Room	Outlet Number	Code	Size	Required CFM	Test 1	Final CFM	% of Design
C1	1	FS	10X10	200	200	200	100%
C2	2	FS	10X10	200	205	205	103%
C3	3	FS	10X10	200	200	205	103%
ENTRY	4	FS	10X10	200	200	200	100%
C4	5	FS	8X8	150	140	150	100%
C5	6	FS	10X10	200	210	210	105%
C5	7	FS	10X10	200	210	200	100%
C6	8	FS	8X8	100	90	105	105%
HALL	9	FS	20X10	200	200	180	90%
				1650	1655	1655	100%
C1	R1	CR	10X10	150	150	150	100%
C2	R2	CR	10X10	150	145	155	103%
C3	R3	CR	10X10	200	200	195	98%
HALL	R4	CR	14X20	400	380	390	98%
C5	R5	CR	14X14	300	300	300	100%
				1200	1175	1190	99%

REMARKS

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DATE

3/1/02

PROJECT

NEW HOPE
 BAPTIST
 CHURCH

SYSTEM

TWO

READINGS

RICH

JOB NUMBER

HVAC SYSTEM REPORT

FAN NAMEPLATE DATA

MANUFACTURER TRANE
 MODEL YCC040FLH0BH
 TYPE PKG G/E
 SIZE 4 TON
 SERIAL NUMBER Z094N522H

FAN PULLEY DATA

DIAMETER DIRECT
 SHAFT
 ADJ/FIXED DRIVE

MOTOR NAMEPLATE DATA

MANUFACTURER G. E.
 VOLTS/PHASE 208/1
 HORSEPOWER .75
 FULL LOAD AMPS 3.7
 RPM 1080
 SERVICE FACTOR 1.0

MOTOR PULLEY DATA

DIAMETER DIRECT
 SHAFT
 ADJ/FIXED DRIVE

BELT NO. & SIZE

CONDENSING UNIT DATA

MANUFACTURER N/A
 MODEL N/A
 TONNAGE N/A
 SERIAL NUMBER N/A

FAN	DESIGN	ACTUAL
SUPPLY AIR CFM	1600	1610
RETURN AIR CFM	1200	1205
OUTSIDE AIR CFM	400	395
FAN SPEED	H	H
STATIC PRESSURE +		.24
STATIC PRESSURE -		.24
TOTAL STATIC PRESSURE	.50	.48
FILTER STATIC PRESSURE		.09

MOTOR

AMPS	3.7	2.91
VOLTS	208	207
HORSEPOWER	.75	.75
MOTOR SPEED		1074

FIELD FORMS AVAILABLE

DUCT TRAVERSE
 SYSTEM DIAGRAM
 PULLEY CALCULATIONS

TEMPERATURE IN 72
 TEMPERATURE OUT 52
 DROP/RISE 20

DIFFUSERS AND GRILLES

Room	Outlet Number	Code	Size	Required CFM	Test 1	Final CFM	% of Design
C1	1	FS	10X10	200	200	200	100%
C2	2	FS	10X10	200	200	200	100%
C3	3	FS	10X10	200	205	200	100%
C4	4	FS	10X10	200	200	200	100%
C5	5	FS	10X10	200	195	200	100%
C6	6	FS	10X10	200	210	210	105%
C7	7	FS	10X10	200	190	200	100%
STAIRW	8	FS	10X10	200	200	200	100%
				1600	1600	1610	101%
C1	R1	CR	14X14	150	140	145	97%
C2	R2	CR	14X14	150	155	155	103%
C3	R3	CR	14X14	150	140	150	100%
C4	R4	CR	14X14	150	150	150	100%
C5	R5	CR	14X14	150	155	155	103%
C6	R6	CR	14X14	150	150	150	100%
HALL	R7	CR	14X14	150	150	150	100%
C7	R8	CR	14X14	150	150	150	100%

REMARKS

1200 1190 1205 100%

DATE

3/1/02

PROJECT

NEW HOPE
 BAPTIST
 CHURCH

SYSTEM

THREE

READINGS

RICH

JOB NUMBER

HVAC SYSTEM REPORT

DATE
3/1/02

FAN NAMEPLATE DATA
 MANUFACTURER **TRANE**
 MODEL **YCC04BFLH0BH**
 TYPE **PKG G/E**
 SIZE **4 TON**
 SERIAL NUMBER **R222X3Y2H**

FAN PULLEY DATA
 DIAMETER
 SHAFT **DIRECT**
 ADJ/FIXED **DRNE**

MOTOR NAMEPLATE DATA
 MANUFACTURER **G. E.**
 VOLTS/PHASE **208 1Ø**
 HORSEPOWER **.75**
 FULL LOAD AMPS **3.7**
 RPM **1080**

SERVICE FACTOR **1.0**
MOTOR PULLEY DATA
 DIAMETER **DIRECT**
 SHAFT
 ADJ/FIXED **DRIVE**

BELT NO. & SIZE
CONDENSING UNIT DATA
 MANUFACTURER **N/A**
 MODEL **N/A**
 TONNAGE **N/A**
 SERIAL NUMBER **N/A**

FAN	DESIGN	ACTUAL
SUPPLY AIR CFM	1600	1600
RETURN AIR CFM	1350	1350
OUTSIDE AIR CFM	250	250
FAN SPEED	H	H
STATIC PRESSURE +		.20
STATIC PRESSURE -		.28
TOTAL STATIC PRESSURE	.50	.48
FILTER STATIC PRESSURE		.10

MOTOR		
AMPS	3.7	2.6
VOLTS	208	208
HORSEPOWER	.75	.75
MOTOR SPEED		1066

FIELD FORMS AVAILABLE
 DUCT TRAVERSE
 SYSTEM DIAGRAM
 PULEY CALCULATIONS

TEMPERATURE IN 72
 TEMPERATURE OUT 51
 DROP/RISE 21

PROJECT
NEW HOPE
BAPTIST
CHURCH

SYSTEM

FOUR

READINGS

RICH

JOB NUMBER

DIFFUSERS AND GRILLES

Room	Outlet Number	Code	Size	Required CFM	Test 1	Final CFM	% of Design
C1	1	FS	10x10	200	200	200	100%
C2	2	FS	10x10	200	200	200	100%
C2	3	FS	10x10	200	200	200	100%
C3	4	FS	10x10	200	200	200	100%
C4	5	FS	10x10	150	150	150	100%
C5	6	FS	10x10	150	150	150	100%
C6	7	FS	10x10	200	200	200	100%
STAIRS	8	FS	10x10	300	300	300	100%
				1600	1600	1600	100%
C1	R1	CR	14x14	150	150	150	100%
C2	R2	CR	14x14	300	300	300	100%
C3	R3	CR	14x14	150	150	150	100%
C4	R4	CR	14x14	150	150	150	100%
C5	R5	CR	14x14	150	150	150	100%
C6	R6	CR	14x14	150	150	150	100%
HALL	R7	CR	14x14	300	300	300	100%
				1350	1350	1350	100%

REMARKS