

GUNNIN CONSULTING ENGINEERS, INC.

Mailing Address:

P. O. Box 820457
 Dallas, Texas 75382-0457
 Phone 214- 528-3796
 e-mail: gunningcei@aol.com

Delivery Address:

3303 Lee Parkway, Ste. 325
 Dallas, Texas 75219-5109
 FAX 214-528-3797

BILL TO
Town of Addison Mr. James C. Pierce, Jr., P.E. 16801 Westgrove Drive Addison, TX 75001-9010

DATE	INVOICE #
8/1/2004	46200-1

PROJECT
462 Mechanical Supports Fire Sta 1 & 2

DESCRIPTION	QTY	RATE	AMOUNT
PROFESSIONAL SERVICES THROUGH 7-31-04			
Bill L. Gunnin	11	125.00	1,375.00
Contract Drafting	12.5	80.00	1,000.00
SUBTOTAL PROFESSIONAL SERVICES			2,375.00
REIMBURSABLE EXPENSES THROUGH 7-31-04			
Travel - Automobile - 2 trips @ 20 miles each	40	0.325	13.00
Photographs		23.79	23.79
SUBTOTAL REIMBURSABLE EXPENSES			36.79
Total			\$2,411.79

*OK to pay
 J. Pierce
 8-10-04*

GUNNIN CONSULTING ENGINEERS, INC.

Mailing Address:

P. O. Box 820457
Dallas, Texas 75382-0457
Phone 214- 528-3796
e-mail: gunningcei@aol.com

Delivery Address:

3303 Lee Parkway, Ste. 325
Dallas, Texas 75219-5109
FAX 214-528-3797

August 2, 2004

Mr. James C. Pierce, Jr., P.E.
Assistant Public Works Director
Town of Addison
16801 Westgrove Drive
Addison, Texas 75001-9010

Re: Mechanical Unit Supports
Fire Stations 1 and 2
Addison, Texas

Dear Mr. Pierce:

Enclosed please find two prints each of 11 x 17 structural drawings S1.0, S1.1, S2.0, and S2.1. The drawings are dated August 2, 2004, are noted Issued for Construction August 2, 2004, and bear our professional seal and signature. One set of prints is for you and one is for John Godley. By copy of this letter, we are also sending a set of drawings by mail to Tom Vitko of AirVac.

In accordance with our agreement, and as indicated on the drawings, and on your notification, we will process shop drawings and other submittals, and will review reports of materials testing and inspection agency retained by you.

If you have any questions, feel free to call me.

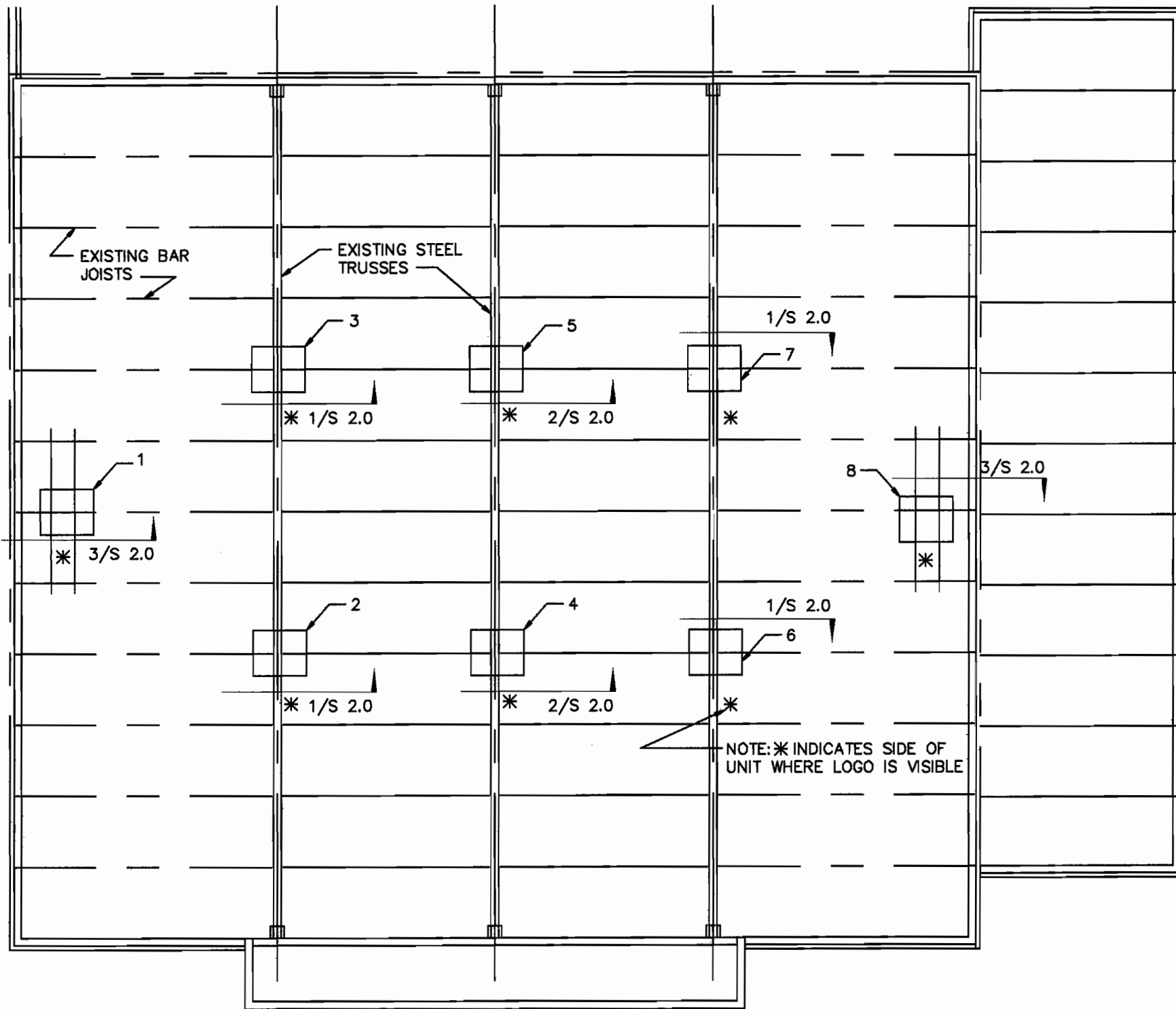
Sincerely,
GUNNIN CONSULTING ENGINEERS, INC.



Bill L. Gunnin, P.E.

Encl: Two prints each of four drawings

cc/encl: Mr. Tom Vitko, AirVac



1 FIRE STATION NO. 1 - ROOF FRAMING PLAN
SCALE: 3/32" = 1'-0"

NORTH



GENERAL NOTES

1. STRUCTURAL DESIGN OF NEW CONSTRUCTION HAS BEEN DESIGNED IN ACCORDANCE WITH THE TOWN OF ADDISON BUILDING CODE.
2. VERIFY HORIZONTAL AND VERTICAL DIMENSIONS OF EXISTING STRUCTURE BEFORE WORK IS BEGUN.
3. STRUCTURAL STEEL ROLLED SHAPES AND PLATES SHALL CONFORM TO ASTM A36 OR ASTM A572, UNLESS NOTED OTHERWISE.
4. PAINT STRUCTURAL STEEL MEMBERS WITH STANDARD SHOP COAT.
5. STRUCTURE HAS BEEN DESIGNED FOR AIR VAC 911 EXHAUST REMOVAL SYSTEM WEIGHING APPROXIMATELY 190 POUNDS.
6. VERIFY HEIGHT OF ERECTED UNIT WITH OWNER. VERIFY HEIGHT OF ERECTED UNIT WITH MANUFACTURER. VERIFY ERECTED LENGTH OF THREADED RODS WITH OWNER AND MANUFACTURER
7. FOLLOWING INSTALLATION OF UNITS, CHECK FOR SWAY FROM STARTUP TORQUE. IF STARTUP TORQUE IS EXCESSIVE, PROVIDE CROSS-BRACING OF THREADED RODS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
8. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR STRUCTURAL ELEMENTS, INCLUDING BOTH ERECTION PLANS AND MATERIAL LISTS. SHOP DRAWINGS SHALL NOT BE MADE BY USING REPRODUCTIONS OF CONTRACT DRAWINGS.
9. OWNER SHALL RETAIN AN INDEPENDENT COMMERCIAL TESTING LABORATORY TO PERFORM PROFESSIONAL CONSULTATION, INSPECTION, AND TESTING OF MATERIALS AND CONSTRUCTION.



Bill Lee Gunnin
8-2-04

ISSUED FOR CONSTRUCTION
AUGUST 2, 2004

Revisions:

GUNNIN CONSULTING ENGINEERS, INC.

3303 Lee Parkway, Suite 325
Dallas, Texas 75219
Phone: 214-528-3798

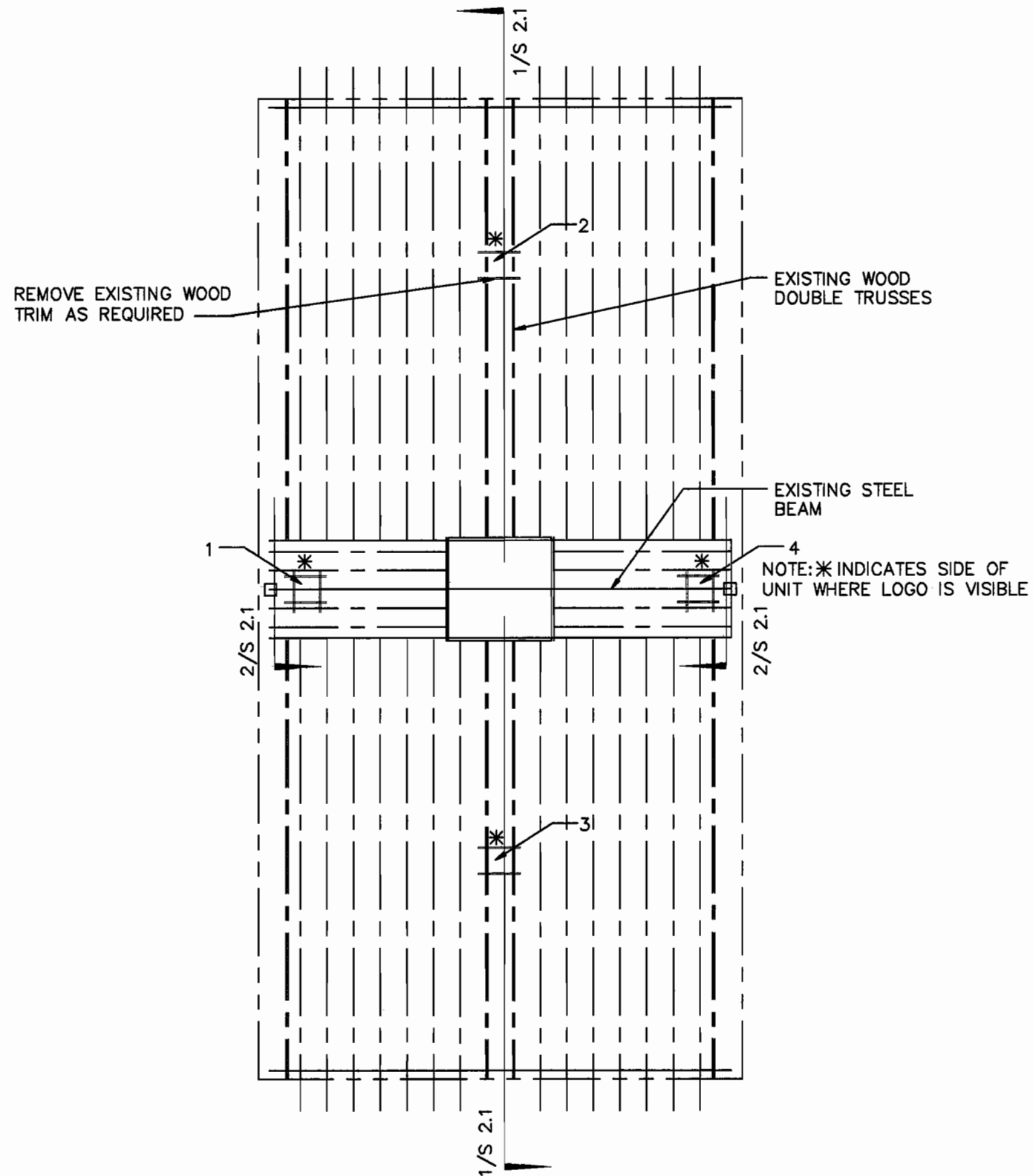
ADDISON FIRE STATIONS
STATION NO. 1 & 2
EXHAUST REMOVAL SUPPORTS
ADDISON, TEXAS

FIRE STATION NO. 1
ROOF FRAMING PLAN

SCALE: 3/32" = 1'-0"
DATE: 8-2-04

REVISIONS
S 1.0

Job Number: 462



1 FIRE STATION NO. 2 ROOF FRAMING PLAN
 SCALE: 3/32" = 1'-0" NORTH

GENERAL NOTES

1. STRUCTURAL DESIGN OF NEW CONSTRUCTION HAS BEEN DESIGNED IN ACCORDANCE WITH THE TOWN OF ADDISON BUILDING CODE.
2. VERIFY HORIZONTAL AND VERTICAL DIMENSIONS OF EXISTING STRUCTURE BEFORE WORK IS BEGUN.
3. STRUCTURAL STEEL ROLLED SHAPES AND PLATES SHALL CONFORM TO ASTM A36 OR ASTM A572, UNLESS NOTED OTHERWISE.
4. PAINT STRUCTURAL STEEL MEMBERS WITH STANDARD SHOP COAT.
5. STRUCTURE HAS BEEN DESIGNED FOR AIR VAC 911 EXHAUST REMOVAL SYSTEM WEIGHING APPROXIMATELY 190 POUNDS.
6. VERIFY HEIGHT OF ERECTED UNIT WITH OWNER. VERIFY HEIGHT OF ERECTED UNIT WITH MANUFACTURER. VERIFY ERECTED LENGTH OF THREADED RODS WITH OWNER AND MANUFACTURER
7. FOLLOWING INSTALLATION OF UNITS, CHECK FOR SWAY FROM STARTUP TORQUE. IF STARTUP TORQUE IS EXCESSIVE, PROVIDE CROSS-BRACING OF THREADED RODS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
8. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR STRUCTURAL ELEMENTS, INCLUDING BOTH ERECTION PLANS AND MATERIAL LISTS. SHOP DRAWINGS SHALL NOT BE MADE BY USING REPRODUCTIONS OF CONTRACT DRAWINGS.
9. OWNER SHALL RETAIN AN INDEPENDENT COMMERCIAL TESTING LABORATORY TO PERFORM PROFESSIONAL CONSULTATION, INSPECTION, AND TESTING OF MATERIALS AND CONSTRUCTION.



Bill Gunnin
8-2-04

ISSUED FOR CONSTRUCTION
 AUGUST 2, 2004

Revisions:

GUNNIN CONSULTING ENGINEERS, INC.

3303 Lee Parkway, Suite 325
 Dallas, Texas 75219
 Phone: 214-528-3798

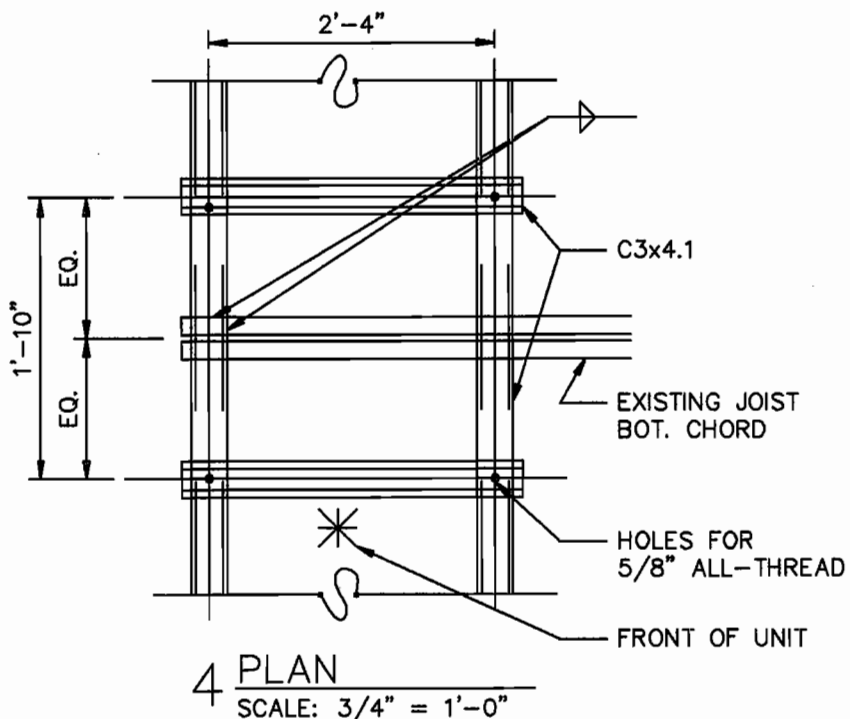
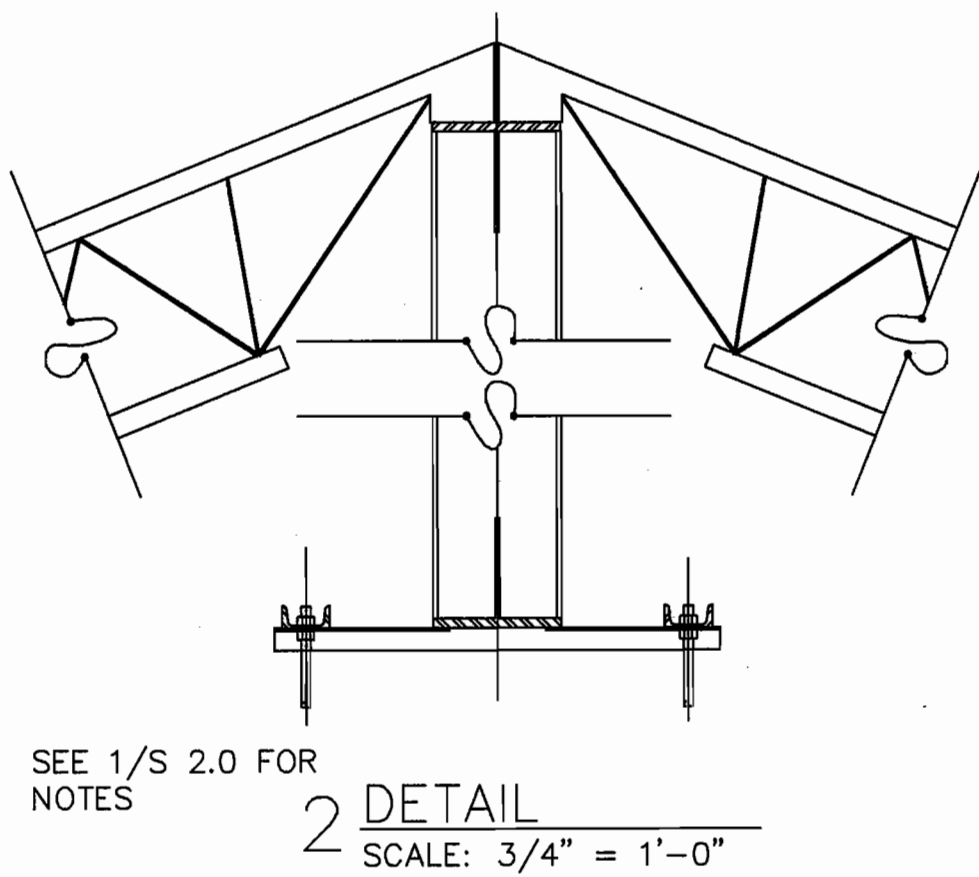
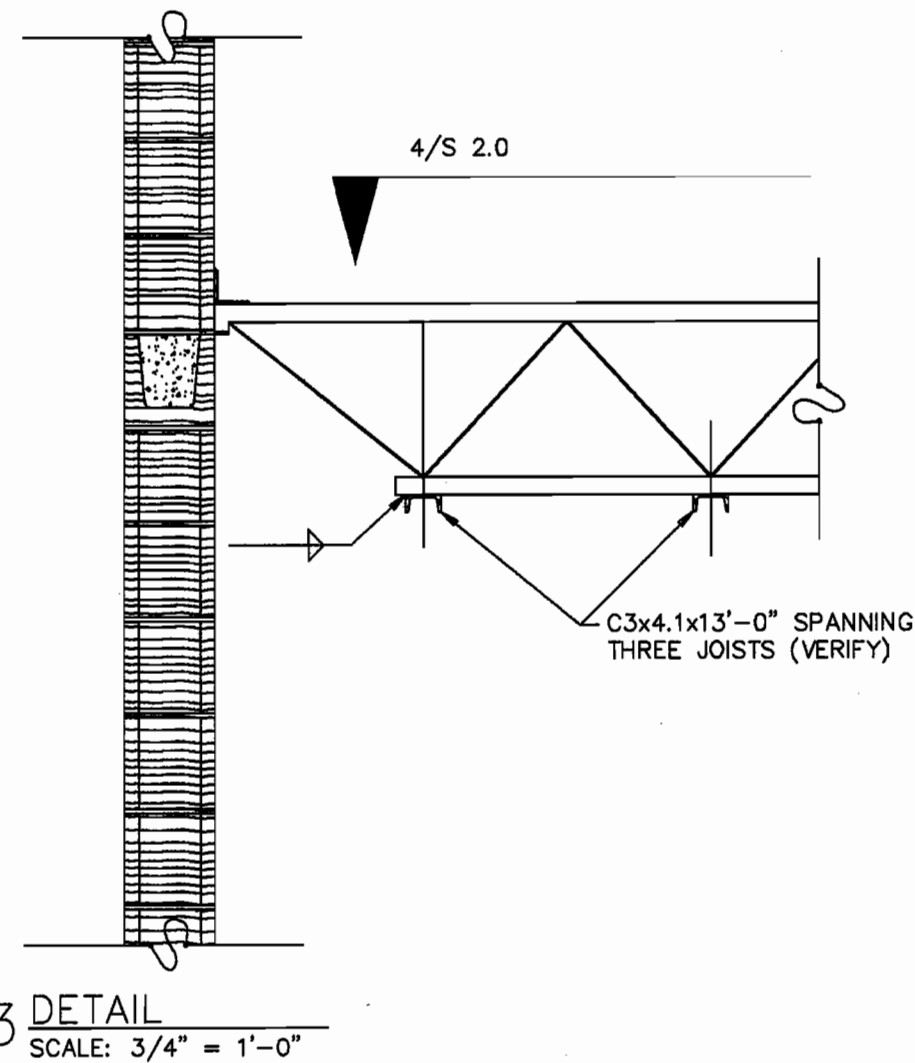
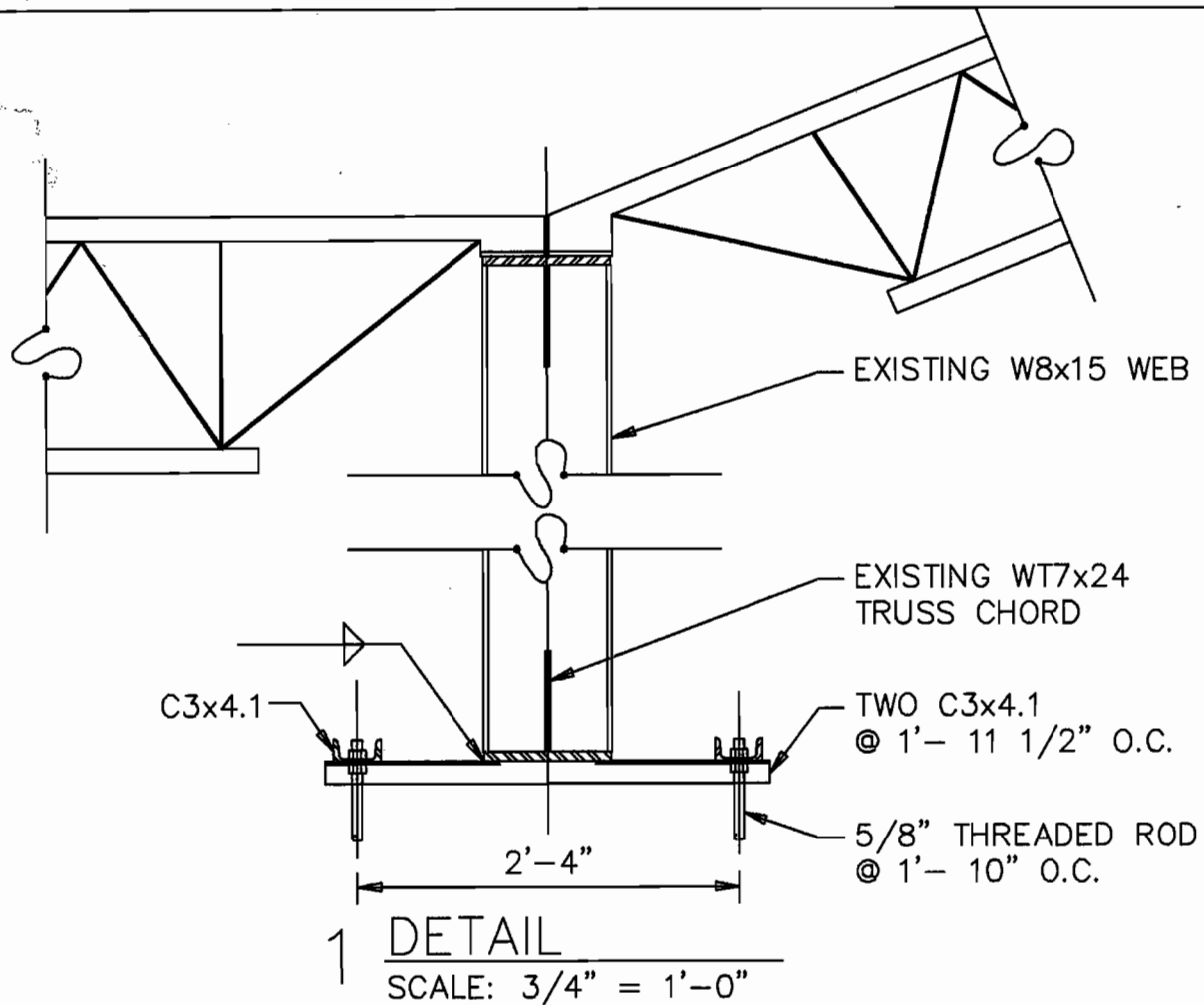
ADDISON FIRE STATIONS
 STATION NO. 1 & 2
 EXHAUST REMOVAL SUPPORTS
 ADDISON, TEXAS

FIRE STATION NO. 2
 ROOF FRAMING PLAN

SCALE: 3/32" = 1'-0"
 DATE: 8-2-04

P
 A
 G
 E
 S 1.1

Job Number: 462



Bill Lee Gunnin
8-2-04

ISSUED FOR CONSTRUCTION
AUGUST 2, 2004

Revisions:

GUNNIN CONSULTING ENGINEERS, INC.
3303 Lee Parkway, Suite 325
Dallas, Texas 75219
Phone: 214-528-3796

ADDISON FIRE STATIONS
STATION NO. 1 & 2
EXHAUST REMOVAL SUPPORTS
ADDISON, TEXAS

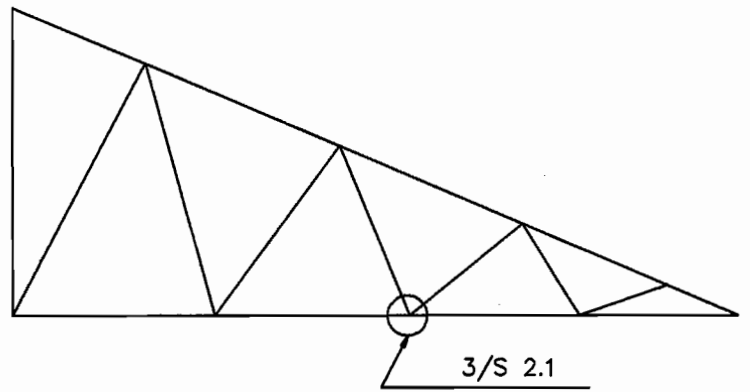
FIRE STATION NO. 1
DETAILS

SCALE: 3/4" = 1'-0"
DATE: 8-2-04

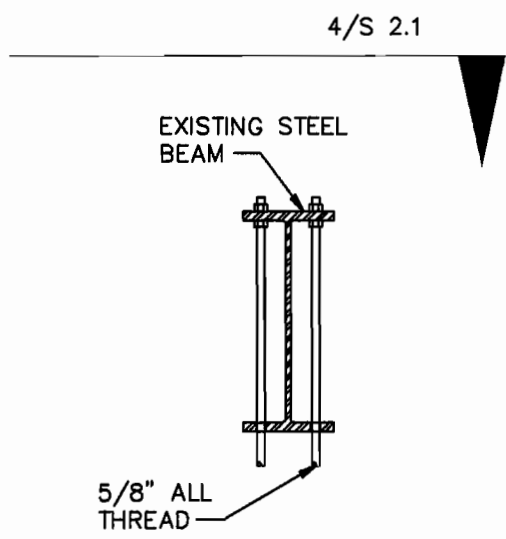
REVISIONS
S 2.0

Job Number: 462

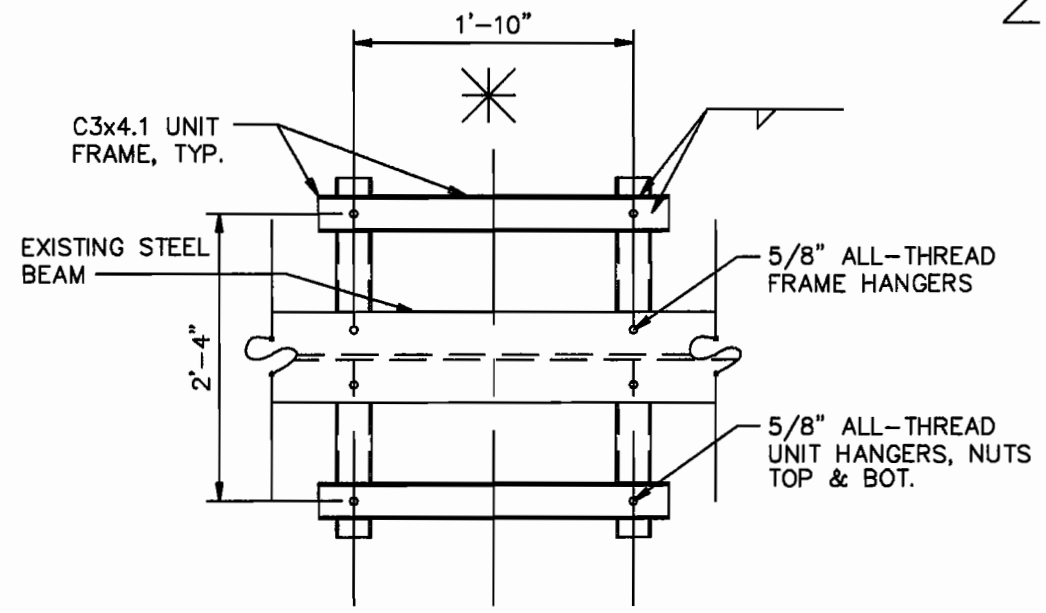
SEE 1/S 2.0 FOR NOTES



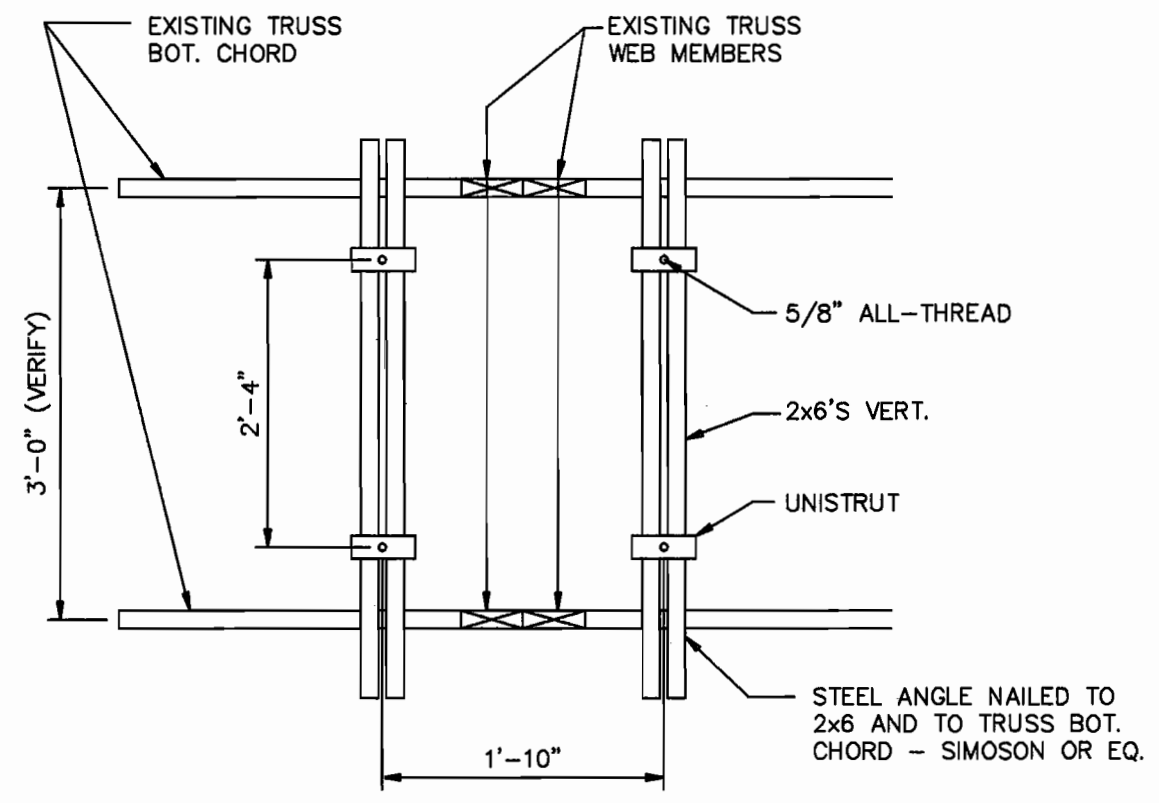
1 EXISTING WOOD TRUSS ELEVATION
NOT TO SCALE



2 DETAIL
SCALE: 3/4" = 1'-0"



4 PLAN
SCALE: 3/4" = 1'-0"



3 PLAN
SCALE: 3/4" = 1'-0"



Bill Gunnin
8-2-04

ISSUED FOR CONSTRUCTION
AUGUST 2, 2004

Revisions:

GUNNIN CONSULTING ENGINEERS, INC.
3303 Lee Parkway, Suite 325
Dallas, Texas 75219
Phone: 214-528-3796

ADDISON FIRE STATIONS
STATION NO. 1 & 2
EXHAUST REMOVAL SUPPORTS
ADDISON, TEXAS

FIRE STATION NO. 2
ROOF FRAMING PLAN

SCALE: 3/4" = 1'-0"
DATE: 8-2-04

PAGE
S 2.1

Job Number: 462

GUNNIN CONSULTING ENGINEERS, INC

Mailing Address:

P. O. Box 820457
Dallas, Texas 75382-0457
Phone: 214-528-3796
e-mail: gunningcei@aol.com

Delivery Address:

3303 Lee Parkway, Suite 325
Dallas, Texas 75219
FAX: 214-528-3797

FACSIMILE COVER SHEET

DATE: July 30, 2004

TO: Mr. James C. Pierce, Jr., PE, Town of Addison
Mr. John Godley, Town of Addison
Mr. Thomas Vitko, AirVac

FAX NO: 972-450-2837
972-450-2811
603-743-3111

FROM: Bill L. Gunnin

JOB NAME: Mechanical Unit Supports
Fire Stations #1 and #2
Town of Addison

JOB NUMBER: 462

TOTAL NUMBER OF PAGES, INCLUDING THIS SHEET: 5

HARD COPY OF TRANSMISSION TO FOLLOW? YES: NO: 5

PLEASE CALL 214-528-3796 IF COMPLETE TRANSMISSION IS NOT RECEIVED.

GUNNIN CONSULTING ENGINEERS, INC.

Mailing Address:

P. O. Box 820457
Dallas, Texas 75382-0457
Phone 214- 528-3796
e-mail: gunningcei@aol.com

Delivery Address:

3303 Lee Parkway, Ste. 325
Dallas, Texas 75219-5109
FAX 214-528-3797

July 30, 2004

Mr. James C. Pierce, Jr., P.E.
Assistant Public Works Director
Town of Addison
16801 Westgrove Drive
Addison, Texas 75001-9010

Re: Mechanical Unit Supports
Fire Stations 1 and 2
Addison, Texas

Dear Mr. Pierce:

Enclosed please find a letter dated July 29, 2004 from Mr. Tom Vitko of AIRVAC with three attached AIRVAC drawings. These documents provide additional AIRVAC requirements regarding the structural supports of the proposed Engine Exhaust Removal System for Fire Stations #1 and #2.

We will incorporate Mr. Vitko's information into the structural support design documents, and will issue our drawings for construction early next week.

If you have any questions, feel free to call me.

Sincerely,
GUNNIN CONSULTING ENGINEERS, INC.



Bill L. Gunnin, P.E.

cc/encl: Mr. John Godley, Town of Addison

cc: Mr. Tom Vitko, AIRVAC

JUL 29 04 03:58p TOM VITKO

1-603-743-3111

P. 1

1 of 4



Manufacturer of Air Filtration Equipment
and Supplier of Replacement Filter Products

MEMO

Thursday, July 29, 2004

To: Bill Gunnin

From: Tom Vitko

RE: Particulars regarding installation of Air Vac-911 units.

Bill, per our conversation earlier I will respond to the 4 issues in hand.

1. the new dimensions, with mounting brackets on the outside of unit cabinet (for ease of installation) are indicated on the attached form A1.
2. I have indicated the front of each unit with a * (which has a logo) that should be mounted facing the recommended locations.
3. Within station #2, we recommend that you keep units #2 & #3 within the recommended locations.
4. Unit mounting rods may need to be reinforced at the time of installation to decrease any sway from start-up torque. This will be independent of each unit and would only require simple cross-bracing of threaded rod.

Should any more questions arise, please do not hesitate to contact me.

Best Regards,

Tom Vitko
Air Vacuum Corp.

2 of 4



air vacuum corporation

Manufacturer of Air Filtration Equipment
and Supplier of Replacement Filter Products

UPDATED 3/15/04 PRICE QUOTATION – Station #1

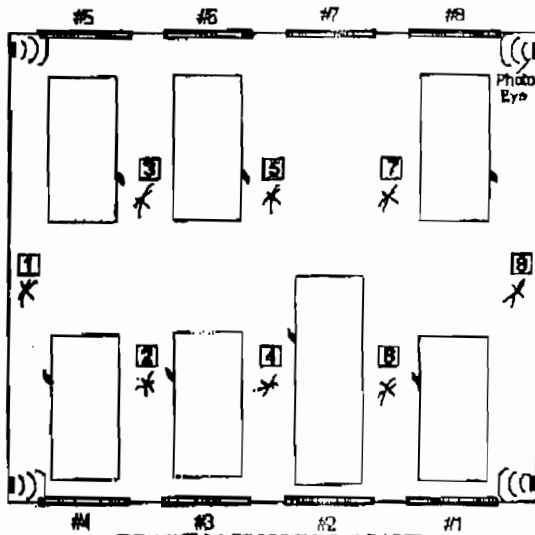
Lieut. David Jones Addison Fire Dept. 4798 Airport Parkway, Addison, TX 75248	DATE: 7/29/2004 PHONE: 972-450-7225 FAX: 972-450-7246
--	---

DESCRIPTION	QUANTITY
AIR VAC-911 EXHAUST REMOVAL SYSTEM - Single Ph. 115V	8
AIR VAC-911 FILTER PACK (4-Stage Filter Pack, "Main Filters")	8
AIR VAC-911 FILTER GAUGE (Min. one per building section)	1
AIR VAC-911 CONTROL PANEL - MGH/A VEC-8C/T3	1
ACTIVATION PACKAGE - ALE HA70D PHOTO EYE & GRI 4532 MAGNETIC DOOR SWITCH	2
CM-21A CO SWITCH	8
PREFILTERS (12 Per Box/Change date est. indicated below)	2
INSTALLATION "TURNKEY" & DELIVERED	12
	8

MADE IN THE USA

- ◆ FREIGHT: FOB Origin, Prepaid & Add
- ◆ TERMS: 1/2 Payment with the order & final payment prior to release.
- ◆ Lead-Time 6 to 8 weeks.

Each AIR VAC-911 Unit is Provided With a TWO YEAR WARRANTY On The Motor Blower System.



(DRAWING IS NOT TO SCALE)

This quotation has been prepared By: Thomas J. Vitko, Date: 7/29/2004
 Quotation Prices are valid for 90 calendar days from quotation date.

STATION NOTES:

- Width: 81'
- Depth: 72'
- Height: 25' to 30'
- No. of Air Vac-911's = (8)
- Air Changes Per Hour = (6.6)
- Average Number Runs Per Year = 3000
- Approximate Filter Life Expectancy
 Prefilters 2-3 months, Main filters 12 to 18 months.

3 of 4



Manufacturer of Air Filtration Equipment
and Supplier of Replacement Filter Products

UPDATED 3/15/04 PRICE QUOTATION – Station #2

Lieut. David Jones Addison Fire Dept. 4798 Airport Parkway, Addison, TX 75248	DATE: 7/29/2004 PHONE: 972-450-7225 FAX: 972-450-7246
--	---

DESCRIPTION	QUANTITY
AIR VAC-911 EXHAUST REMOVAL SYSTEM - Single Ph. 115V	4
AIR VAC-911 FILTER PACK (4-Stage Filter Pack, "Main Filters")	4
AIR VAC-911 FILTER GAUGE (Min. one per building section)	1
AIR VAC-911 CONTROL PANEL - MGH/AVEC-4C	1
ACTIVATION PACKAGE - ALE HA70D PHOTO EYE &	2
GRI 4532 MAGNETIC DOOR SWITCH	4
CM-21A CO SWITCH	1
PREFILTERS (12 Per Box/Change date est. indicated below)	12
INSTALLATION "TURNKEY" & DELIVERED	4

MADE IN THE USA

- ◆ FREIGHT: FOB Origin, Prepaid & Add
- ◆ TERMS: 1/2 Payment with the order & final payment prior to release.
- ◆ Lead-Time 6 to 8 weeks.

Each AIR VAC-911 Unit is Provided With a TWO YEAR WARRANTY On The Motor Blower System.

<p style="text-align: center;">DRAWING IS NOT TO SCALE</p> <p style="text-align: right;">Photo Eye</p>	<p>STATION NOTES:</p> <p>Width: 45'</p> <p>Depth: 72'</p> <p>Height: 26'</p> <p>No. of Air Vac-911's = (4)</p> <p>Air Changes Per Hour = (6.0)</p> <p>Average Number Runs Per Year = 3000</p> <p>Approximate Filter Life Expectancy Prefilters 2-3 months, Main filters 12 to 18 months.</p>
--	---

This quotation has been prepared By: Thomas J. Vitko. Date: 7/29/2004
Quotation Prices are valid for 90 calendar days from quotation date.

A1

4 of 4

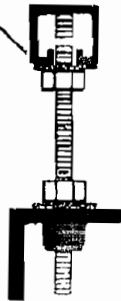
AIRVAC 911

Engine Exhaust Removal System

HANGING HARDWARE

(UNI-STRUT LAG BOLTED INTO CEILING)

EXAMPLE



1/2" THREADED ROD (Example)



UNI-STRUT

1/2" UNI-STRUT ANCHOR

WASHER

1/2" NUT

AIR VAC MOUNTING BRACKET
(PROVIDED WITH UNIT, FOUR)



1/2" NYLOCK NUT

Recommended Rod	
up to 30"	= 3/8" rod
30"-72"	= 1/2" rod
72"-120"	= 5/8" rod

Hanging Height: The bottom of each unit should be mounted between 9' to 11' from the floor to provide optimal performance of the "AIR VAC-911" system.

mounting brackets are bolted on to each unit through predrilled mounting holes. These holes may be used to mount the unit with chain and "S" hooks

