



State of Utah

JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

Department of Administrative Services

KIMBERLY K. HOOD  
Executive Director

Division of Facilities Construction and Management

DAVID G. BUXTON  
Director

## ADDENDUM #1

Date: December 11, 2007

To: Contractors

From: Craig Wessman, Project Manager, DFCM

Reference: HVAC Upgrades – Building C – Davis ATC  
Utah College of Applied Technology – Kaysville, Utah  
DFCM Project No. 07174220

Subject: **Addendum No. 1**

Pages	Addendum	1	page
	<u>Engineers Addendum</u>	<u>6</u>	<u>pages</u>
	Total	7	pages

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**Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.**

- 1.1 **SCHEDULE CHANGES** – There are no changes to the Project Schedule.
- 1.2 **GENERAL** – WHW Specifications and Drawings.

# ADDENDUM

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Project Name: Davis ATC HVAC Upgrade Building C

Addendum No.: 1

WHW Project # 07050

Date: 12-07-07

From: WHW Engineering Inc  
8619 South Sandy Parkway Suite 101  
Sandy, Utah 84070  
Phone (80) 466-4021 Fax (801) 466-8536

To: All Bidders

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This Addendum forms and becomes a part of the Contract Documents and modifies the original Bidding Documents dated November 2007 as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of 4 pages and 2 full size drawings.

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**I - CHANGES TO PRIOR ADDENDA:** NA

**II - CHANGES TO BIDDING REQUIREMENTS:** None

**III - CHANGES TO AGREEMENT & OTHER CONTRACT FORMS:** None

**IV – CHANGES/CLARIFICATIONS TO CONDITIONS OF THE CONTRACT:** None

**V - CHANGES/CLARIFICATIONS TO SPECIFICATIONS:**

Item V-1. See attached specification section 01230 Alternates

**VI - CHANGES/CLARIFICATIONS TO DRAWINGS:**

Item VI-1. ME101A Remove existing condensing unit not in use. Coordinate with DATC to relocate antennas. Re-use existing curb for new CU-1. See attached sheet.

Item VI-2. ME101A Base bid to remove weather hoods. Alternate #1 replace louvers for penthouses 2,3. Alternate #2 replace louvers for penthouses 4,5,6. See attached sheet.

Item VI-3. ME501A see attached revised sheet with gas pipe roof support and penthouse details.

PRIOR APPROVALS

THE FOLLOWING ITEMS, AS SUBMITTED, ARE CONSIDERED, IN GENERAL AND IN NAME ONLY, AS EQUAL TO THOSE ITEMS SPECIFIED. THIS REVIEW DOES NOT RELIEVE THE CONTRACTOR OR SUPPLIER OF THE RESPONSIBILITY OF CONFORMING TO THE DRAWINGS AND SPECIFICATIONS, NOR DOES IT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS FOR COORDINATION WITH OTHER TRADES. ALL DIMENSIONS SHALL BE CONFIRMED AND CORRELATED AT THE JOBSITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS AND THE SUITABILITY OF "EQUAL" PRODUCTS FOR THE SPECIFIED APPLICATION.

**Description**

**Manufacturer**

15738 – Split System AC units

Daikin

15820 – Volume Dampers

Greenheck

## **SECTION 01230 - ALTERNATES**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

#### **1.2 SUMMARY**

- A. This Section includes administrative and procedural requirements for alternates.

#### **1.3 DEFINITIONS**

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the Base Bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
  - 1. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

#### **1.4 PROCEDURES**

- A. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
  - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.
- C. Execute accepted alternates under the same conditions as other work of the Contract.
- D. Schedule: A Schedule of Alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

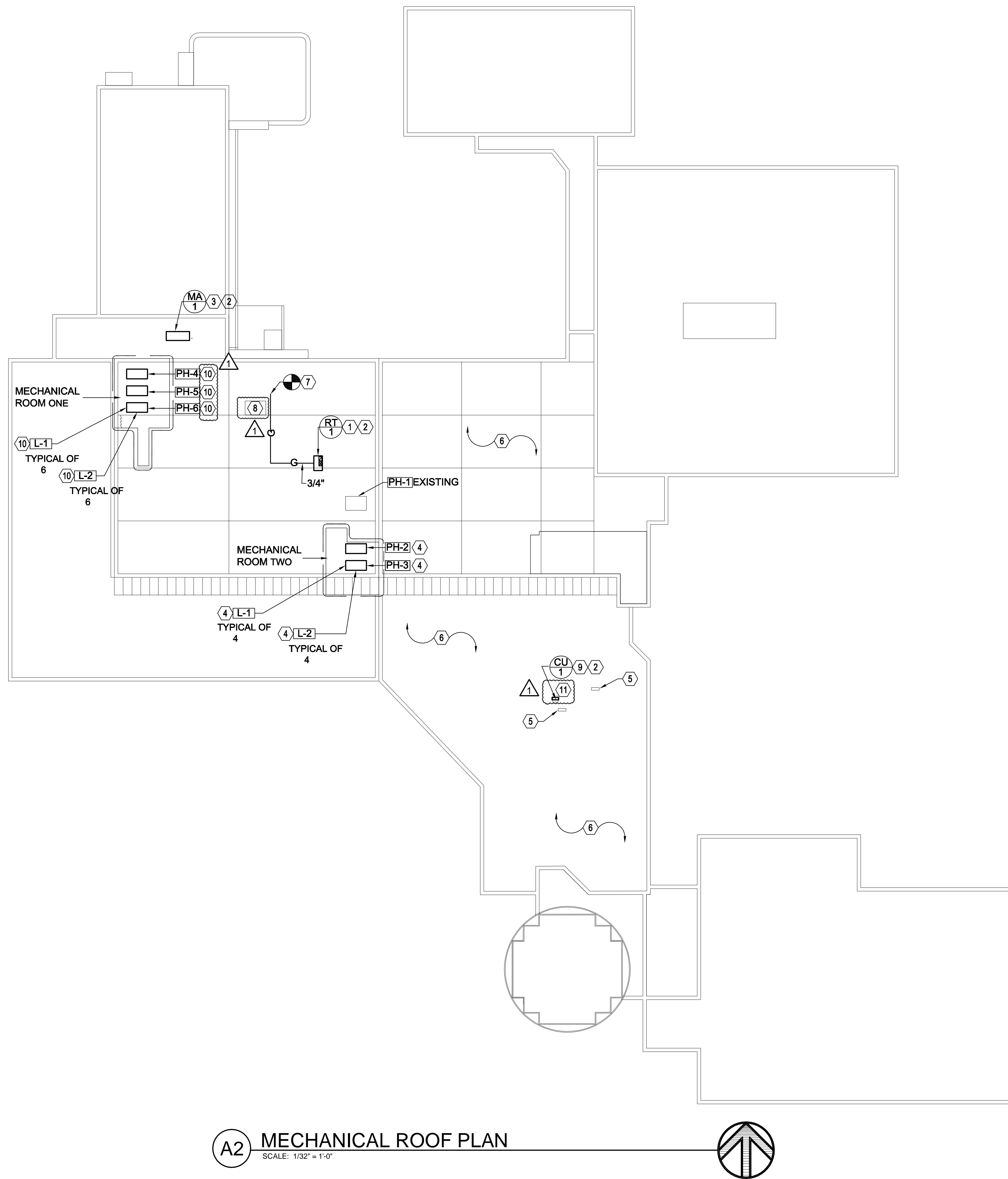
**PART 2 - PRODUCTS (Not Used)**

**PART 3 - EXECUTION**

**3.1 SCHEDULE OF ALTERNATES**

- A. Alternate No. 1: Replace the existing louvers at two (2) of the existing roof mounted penthouse units.
- B. Alternate No. 2: Replace the existing louvers at three (3) of the existing roof mounted penthouse units.

END OF SECTION 01230



**A2 MECHANICAL ROOF PLAN**  
SCALE: 1/32" = 1'-0"

**SHEET NOTES**

- ① INSTALL OWNER SUPPLIED PACKAGED ROOFTOP UNIT AT THIS APPROXIMATE LOCATION. FIELD VERIFY. CONNECT SUPPLY DUCT TO EXISTING SUPPLY DROP FROM REMOVED EVAP. COOLER. CUT NEW PENETRATION IN ROOF FOR NEW RETURN AIR DUCT. PROVIDE ELBOW AND RODENT SCREEN AT RA DUCT IN SPACE BELOW. ROOFTOP UNIT SHALL BE PROVIDED BY OWNER. CURB SHALL BE PROVIDED BY CONTRACTOR. PROVIDE ROOFING MODIFICATIONS AS NECESSARY FOR NEW CURB. SEE DETAILS AND SCHEDULES.
- ② THIS CONTRACTOR SHALL HIRE AN ELECTRICAL DESIGN BUILD SUB-CONTRACTOR TO PROVIDE NEW ELECTRICAL SERVICE TO NEW ROOFTOP UNIT, MAKE-UP AIR UNIT, AND SPLIT SYSTEM UNIT. REPLACE EXISTING BREAKERS, AND PULL NEW POWER TO NEW EQUIPMENT. PROVIDE NEW DISCONNECTS AT UNITS. EXISTING PANELS ARE LOCATED IN ROOMS BELOW.
- ③ PROVIDE NEW HEATING ONLY MAKE-UP AIR UNIT AND CURB. RE-CONNECT TO EXISTING SUPPLY DUCT, GAS PIPING, ELECTRICAL CONNECTIONS, AND CONTROLS. PROVIDE ROOFING MODIFICATIONS AS NECESSARY FOR **NEW CURB**.
- ④ BASE BID: REMOVE EXISTING WEATHER HOOD AT EXISTING ROOF MOUNTED PENTHOUSE UNITS. ADDITIVE ALTERNATE #1: REPLACE EXISTING LOUVERS AT TWO (2) EXISTING ROOF MOUNTED PENTHOUSES. FIELD VERIFY EXACT LOUVER DIMENSIONS BEFORE ORDERING. SEE DETAIL A2/ME502.
- ⑤ EXISTING DATA ROOM CONDENSING UNITS SHALL REMAIN.
- ⑥ EXISTING ROOF EQUIPMENT NOT SHOWN SHALL REMAIN
- ⑦ PROVIDE NEW GAS PIPING FROM EXISTING ROOF PENETRATION TO NEW ROOFTOP UNIT.
- ⑧ EXISTING EQUIPMENT TO REMAIN.
- ⑨ PROVIDE NEW SPLIT SYSTEM CONDENSING UNIT FOR DATA ROOM. PROVIDE NEW ELECTRICAL SERVICE. TIE INTO EXISTING PANEL IN DATA ROOM. PROVIDE ROOFING MODIFICATIONS AS NECESSARY FOR **NEW CURB**.
- ⑩ BASE BID: REMOVE EXISTING WEATHER HOOD AT EXISTING ROOF MOUNTED PENTHOUSE UNITS. ADDITIVE ALTERNATE #2: REPLACE EXISTING LOUVERS AT THREE (3) EXISTING ROOF MOUNTED PENTHOUSES. FIELD VERIFY EXACT LOUVER DIMENSIONS BEFORE ORDERING. SEE DETAIL A2/ME502.
- ⑪ REUSE EXISTING CURB FOR NEW CU-1 AFTER REMOVING EXISTING CONDENSING UNIT THAT IS NO LONGER IN USE. COORDINATE WITH DATC TO RELOCATE ANTENNAS.

- GENERAL NOTE:**
1. FIELD VERIFY ALL EXISTING CONDITIONS.
  2. ELECTRICAL WORK SHALL BE DONE BY A DESIGN BUILD LICENSED ELECTRICIAN. E.C. SHALL BE RESPONSIBLE TO FIELD VERIFY EXISTING CONDITIONS, AND INSTALL ALL NEW WORK IN COMPLIANCE WITH NEC CODES AND DFCM REQUIREMENTS.
  3. ALL ROOFING MODIFICATIONS SHALL BE DONE BY OWNERS APPROVED ROOFING CONTRACTOR.

**State of Utah**  
Department of Administrative Services

**DFCM** Division of Facilities Construction & Management  
4110 State Office Building  
Salt Lake City, Utah 84114  
Phone: (801) 538 - 3018  
Fax: (801) 538 - 3267

Internet: <http://www.dfc.state.ut.us>

**CONSULTANTS**

**WHW ENGINEERING INC.**  
PROFESSIONAL MECHANICAL ENGINEERING  
1354 East 3000 South Suite 200  
SALT LAKE CITY, UTAH 84106  
(801) 466-4021, FAX: 466-8536  
EMAIL: excellence@whw-engineering.com

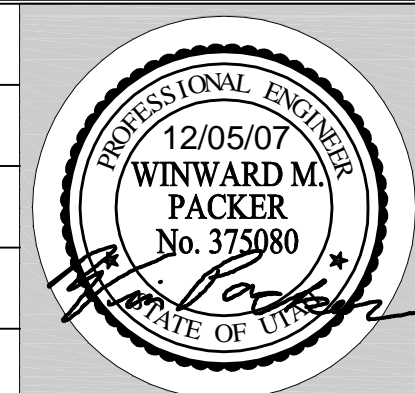
**PROJECT NAME & ADDRESS**

**DAVIS ATC HVAC UPGRADE BUILDING C**

**DFCM No. 07174220**  
550 E. 300 S. Kaysville, Utah 84037

MARK	DATE	REVISION
①	12/07	ADDENDUM #1

PROJECT MANAGER: WP  
DRAWN BY: STAFF  
CHECKED BY: SLW  
DATE: 11/27/07  
WHW JOB NO.: 07050



SHEET TITLE  
**MECHANICAL ROOF PLAN**

SHEET NO.  
**ME101 A**



CONSULTANTS



PROJECT NAME & ADDRESS

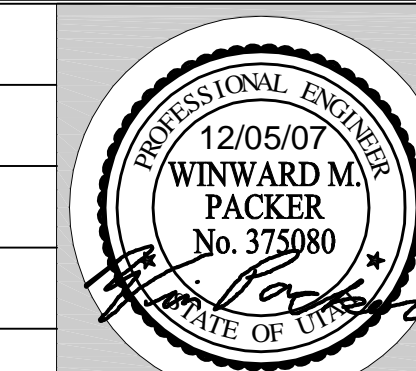
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550 E. 300 S. Kaysville, Utah 84037

MARK	DATE	REVISION
1	12/07	ADDENDUM #1

PROJECT MANAGER:  
WP  
DRAWN BY:  
STAFF  
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DATE:  
11/27/07  
WHW JOB NO.:  
07050

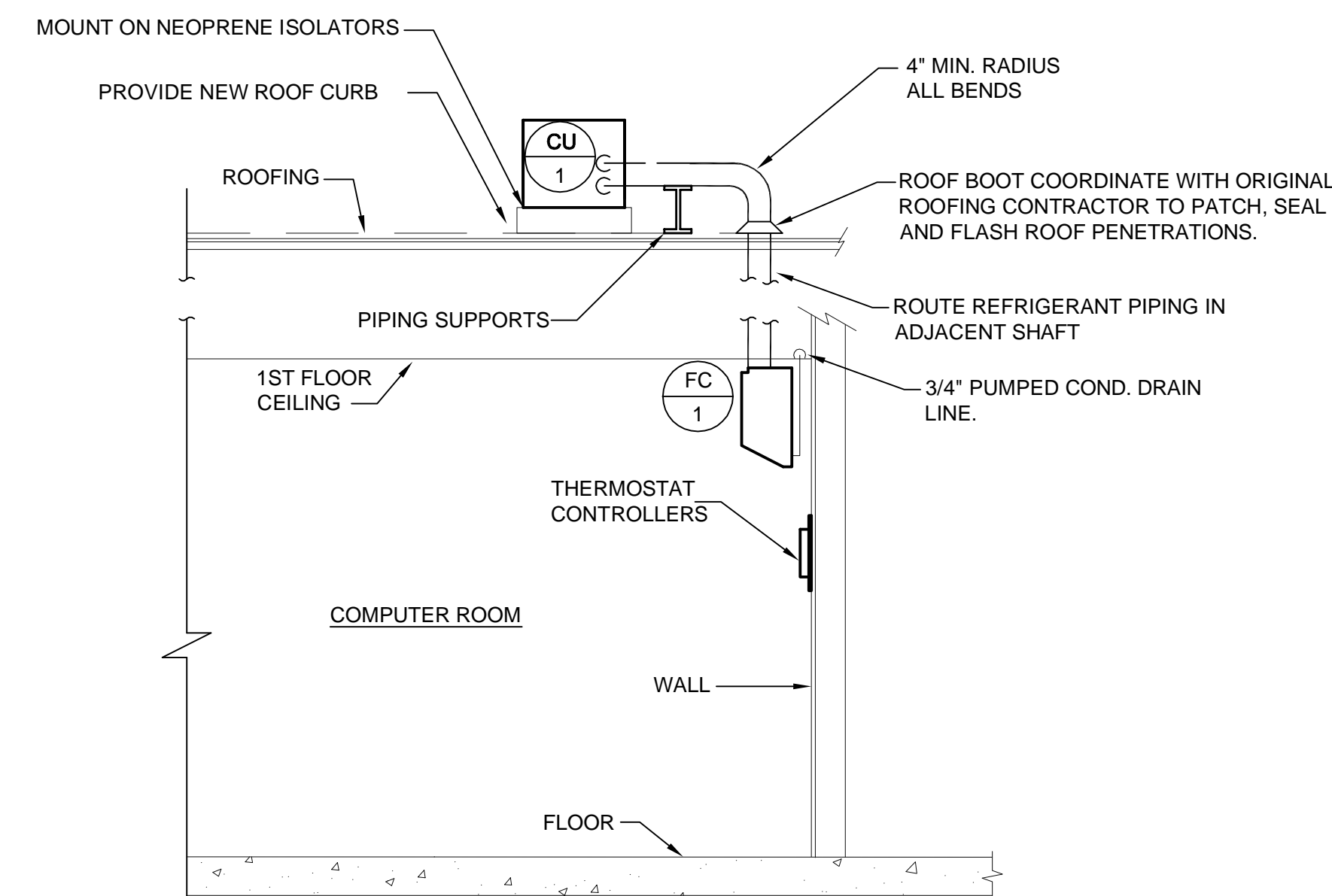


SHEET TITLE

**MECHANICAL DETAILS**

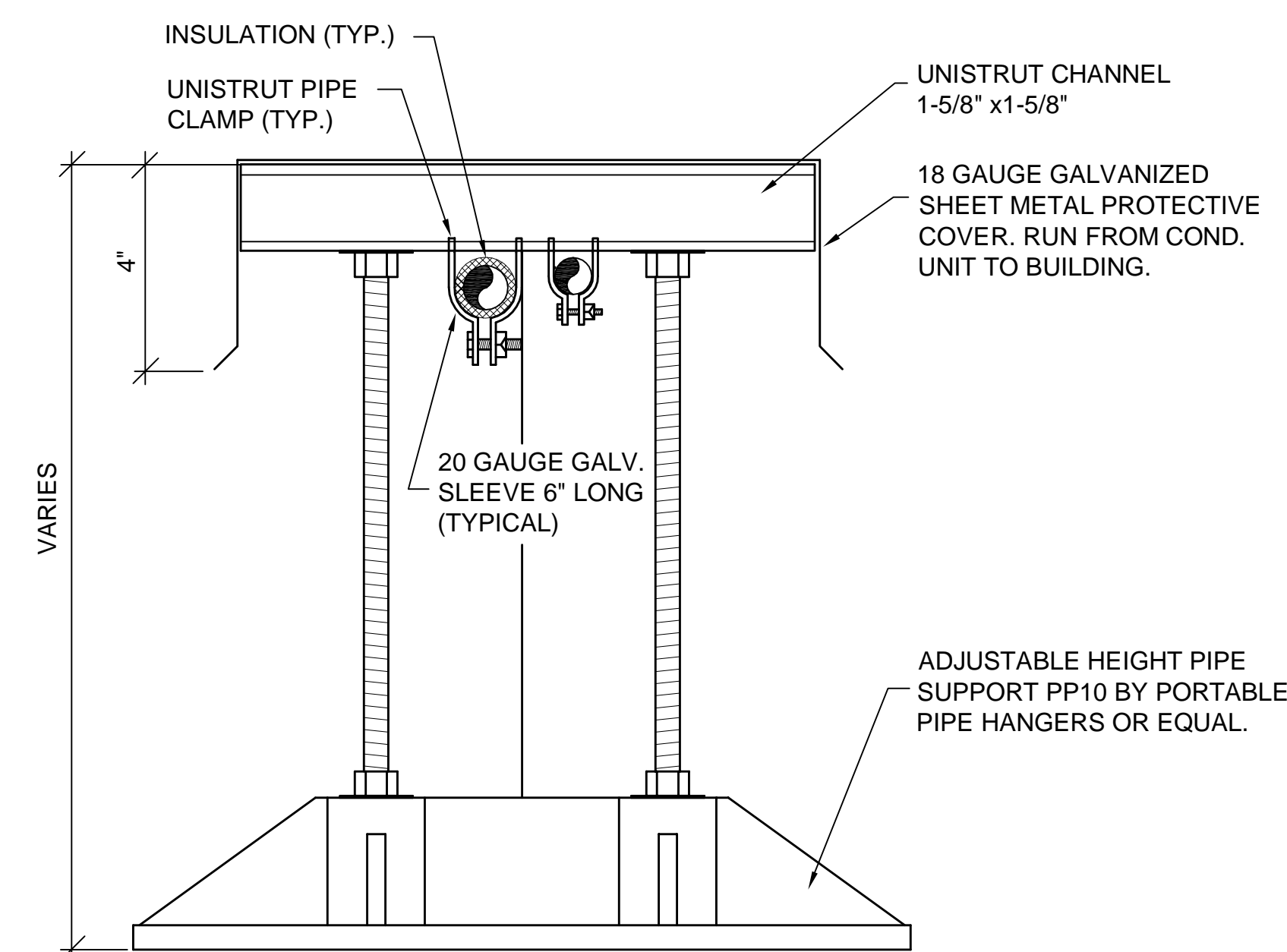
SHEET NO.

**ME502 A**

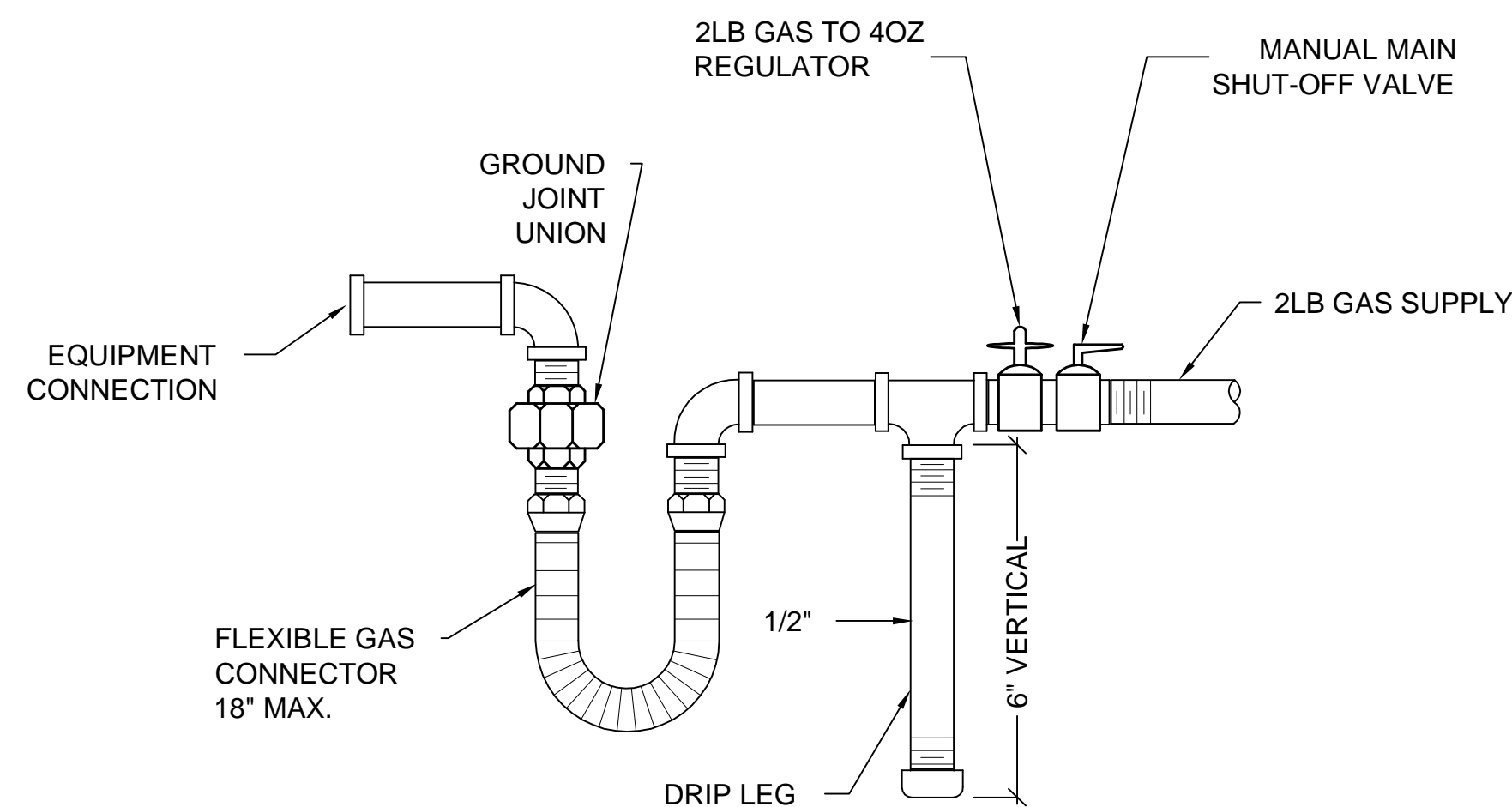


**C4 WALL MOUNT AC UNIT DETAIL**  
SCALE: NONE

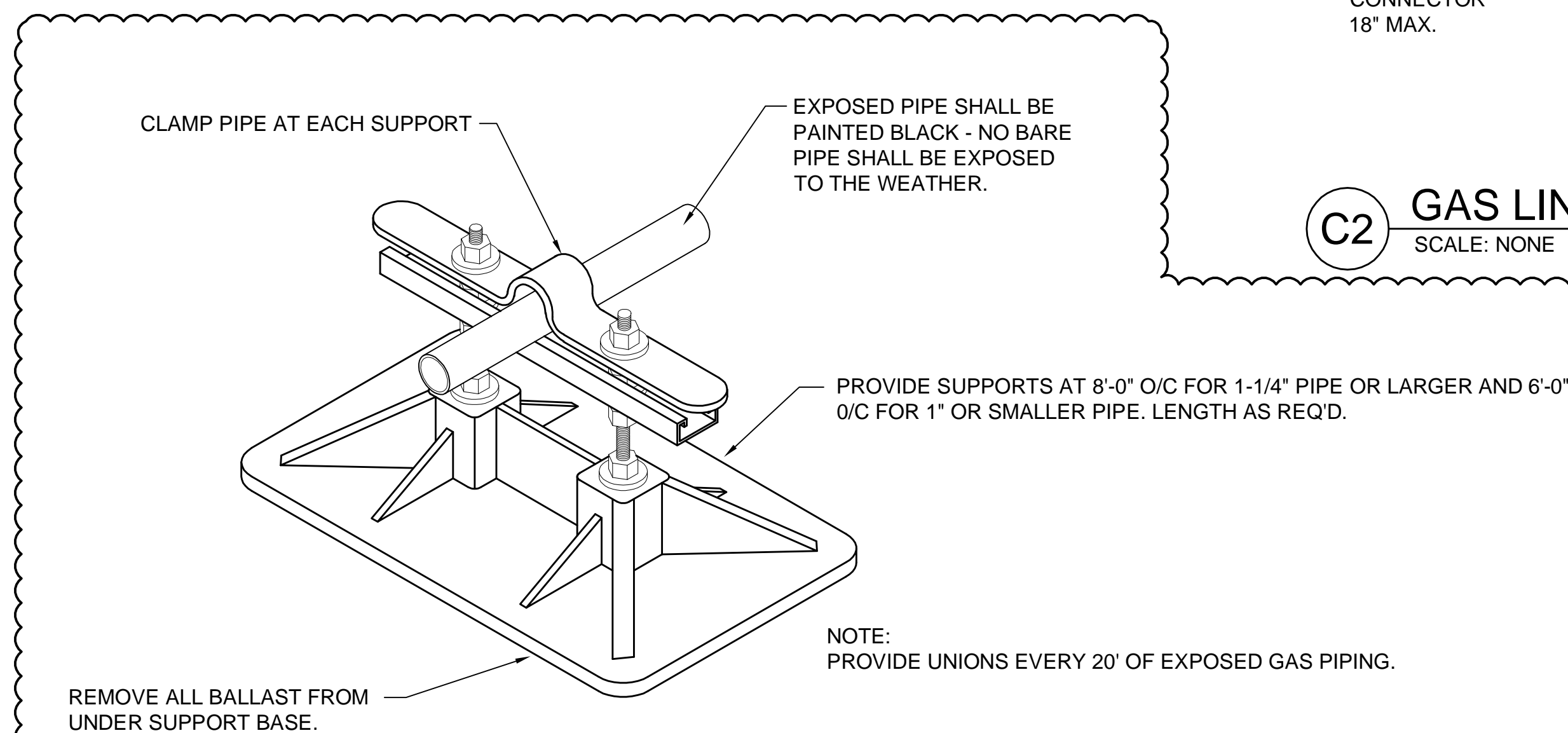
NOTE:  
RUN STEEL COVER CONTINUOUS FROM CONDENSING  
UNIT TO RISERS OR PENETRATIONS AT BUILDING WALL  
OR ROOF.



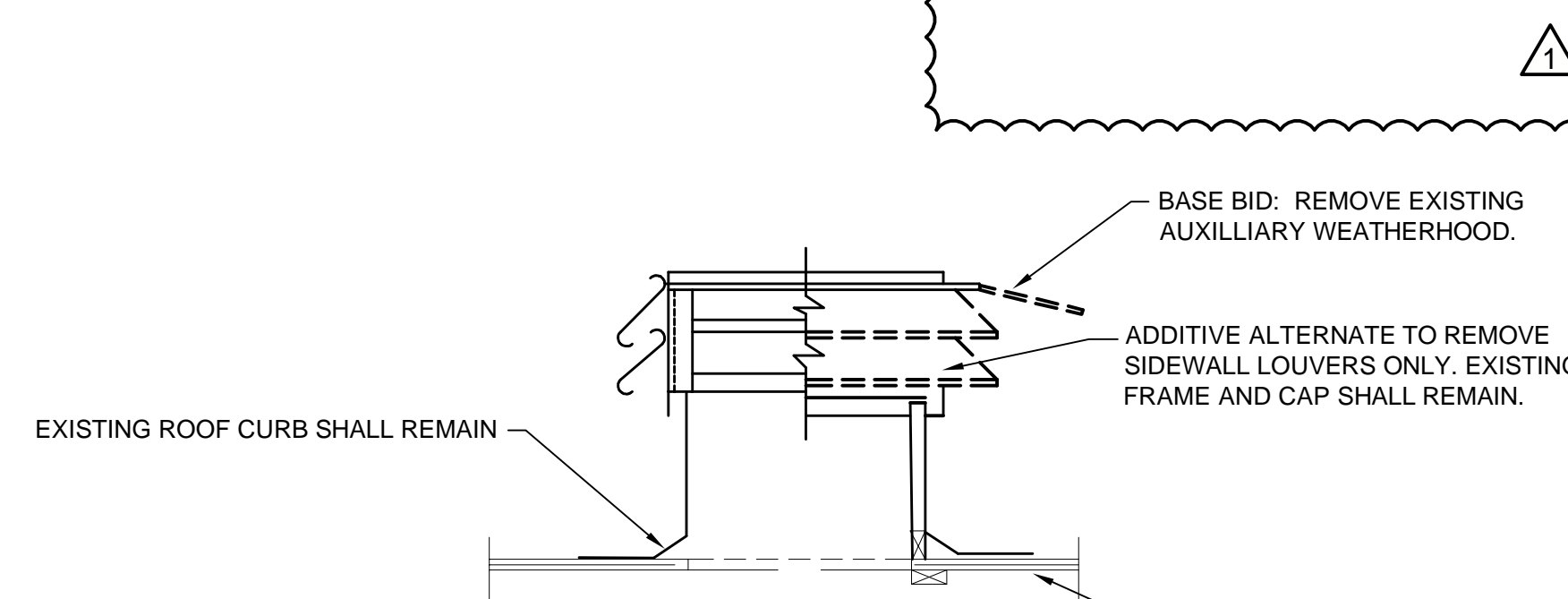
**A4 EXTERIOR REFRIGERANT PIPE SUPPORT**  
SCALE: NONE



**C2 GAS LINE CONNECTION DETAIL**  
SCALE: NONE



**C1 GAS SUPPORT ON ROOF DETAIL**  
SCALE: NONE



**A2 PENTHOUSE DETAIL**  
SCALE: NONE