

Seals

BECKER
structural engineers, inc.

75 York Street
Portland, ME 04101-4701
info@beckerstructural.com

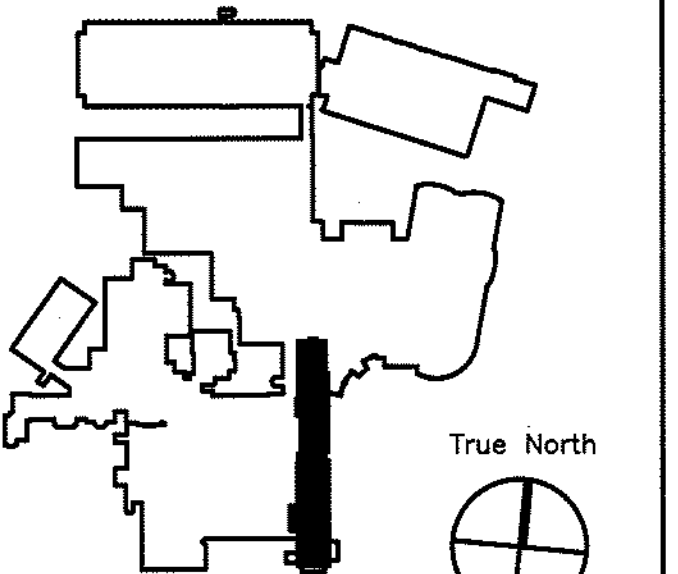
Tel 207-879-1838
Fax 207-879-1822
www.beckerstructural.com

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MECHANICAL/ELECTRICAL ENGINEERS

92 Montvale Ave, Suite 4100
Stoughton, MA 02189
Tel: 781-481-0210
Fax: 781-481-0203
email: info@f-l.com
www.f-l.com
Project No.: 09018.00

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Key Plan N.T.S.

Revision	Date	No

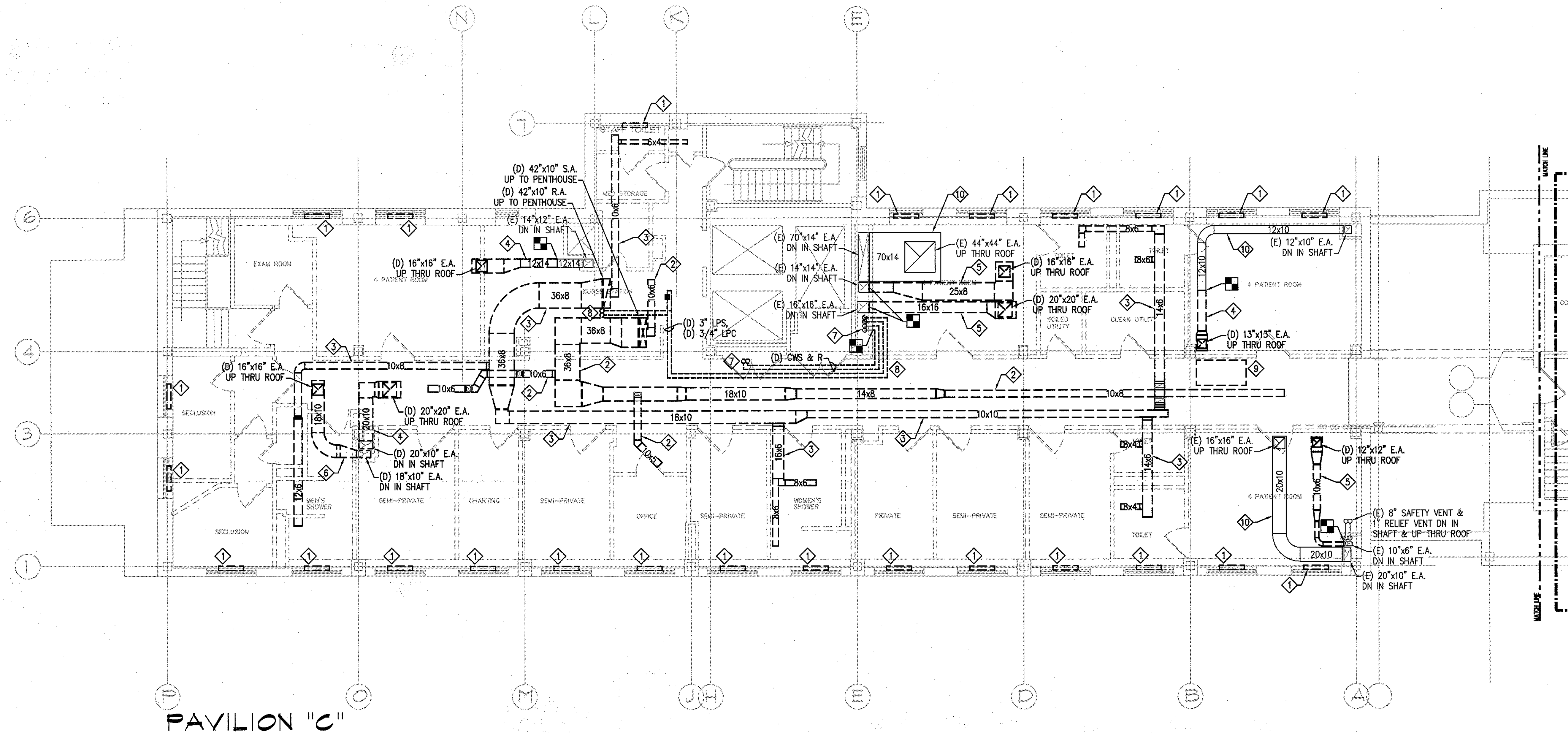
Revision Date No



MAINE MEDICAL CENTER
PAVILION 6 RENOVATIONS

MorrisSwitzer Project Number	28034
Date	11/19/09
Scale	1/8" = 1'-0"
Sheet Title and Number	

**SIXTH FLOOR PAVILIONS
"A" & "C" MECHANICAL
DEMOLITION PLAN
3M1.0**



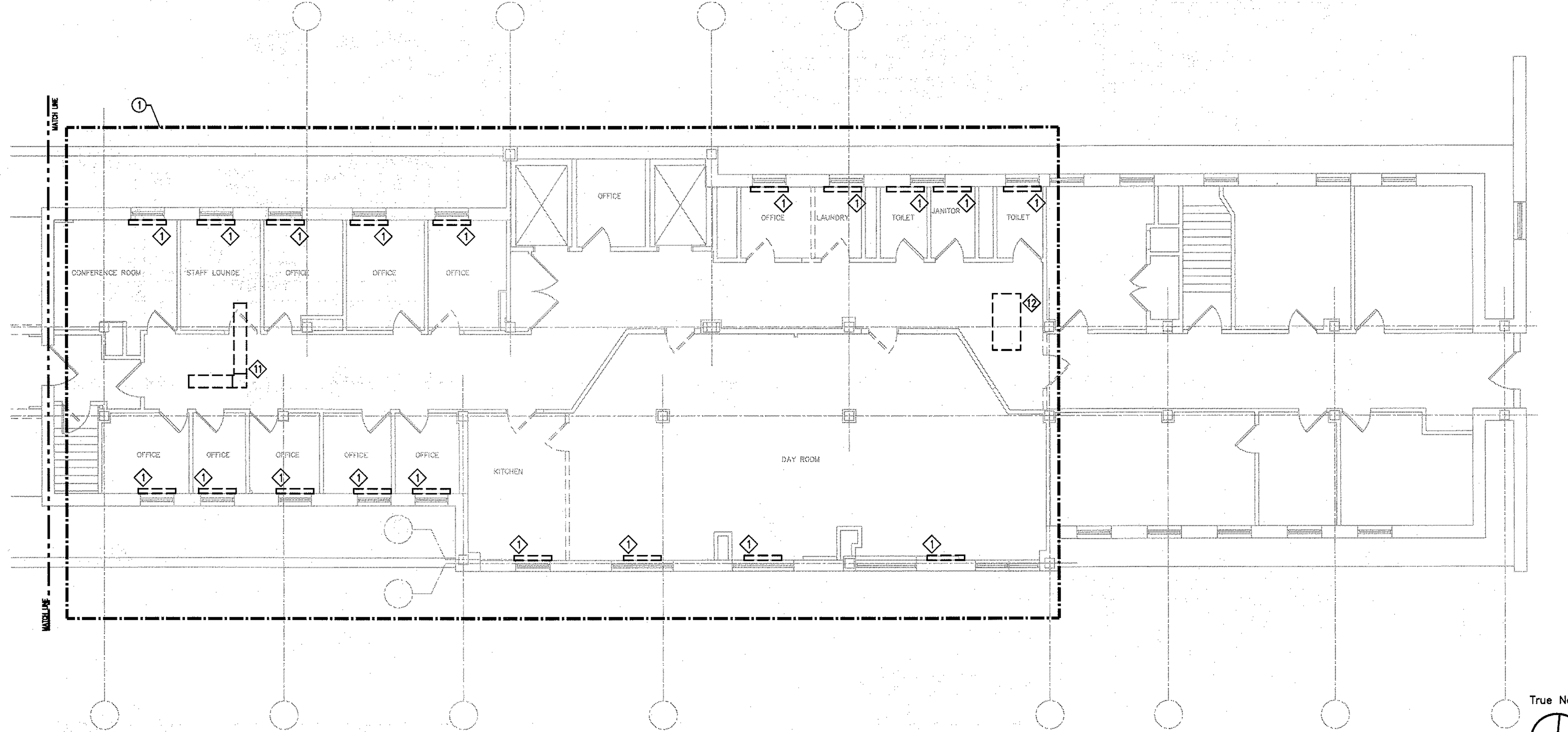
PAVILION "C"

MECHANICAL DEMOLITION KEYNOTES

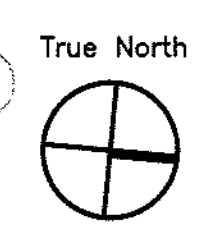
- ◇ REMOVE EXISTING CONVECTOR / FIN TUBE RADIATION. CAP PIPING ON FLOOR BELOW.
- ◇ REMOVE ALL EXISTING SUPPLY DUCTWORK, RUN-OUTS & ASSOCIATED DIFFUSERS SERVING P6.
- ◇ REMOVE ALL EXISTING RETURN DUCTWORK, RUN-OUTS & ASSOCIATED GRILLES SERVING P6.
- ◇ REMOVE EXISTING EXHAUST DUCTWORK AS INDICATED. AIRFLOW TO BE RE-ROUTED TO NEW ROOF-TOP EX AS INDICATED IN NEW WORK PHASE. REFER TO DWGS 3M2.0 & 3M2.2 FOR NEW EXHAUST WORK.
- ◇ REMOVE EXISTING EXHAUST DUCTWORK AS INDICATED AND CAP WITHIN SHAFT.
- ◇ REMOVE EXISTING EXHAUST DUCTWORK AS INDICATED AND CAP WITHIN 5TH FLOOR CEILING SPACE BELOW.
- ◇ REMOVE EXISTING CONDENSER WATER PIPING AS INDICATED. PIPING TO BE RE-ROUTED AS INDICATED IN NEW WORK PHASE. REFER TO DWGS 3M2.1 & 3M2.2 FOR NEW PIPING WORK.
- ◇ REMOVE EXISTING LOW-PRESSURE STEAM & CONDENSATE PIPING AS INDICATED AND CAP WITHIN INTERMEDIATE MECHANICAL SPACE BELOW 5TH FLOOR.
- ◇ REMOVE EXISTING CITY-WATER-COOLED AIR CONDITIONER AND ALL ASSOCIATED PIPING, CONTROLS & ACCESSORIES.
- ◇ RE-LOCATE EXISTING DUCTWORK AS NECESSARY FOR COORDINATION.
- ◇ REMOVE EXISTING TRANSFER DUCTWORK AND ASSOCIATED TERMINALS.
- ◇ REMOVE EXISTING AIR HANDLER. ALL ASSOCIATED SUPPLY AND RETURN DUCTWORK, RUN-OUTS & DIFFUSERS. REMOVE ASSOCIATED ROOF-TOP CONDENSING UNIT AND ALL PIPING. SEE DWG 3M1.1 FOR ROOF-TOP DEMO WORK.

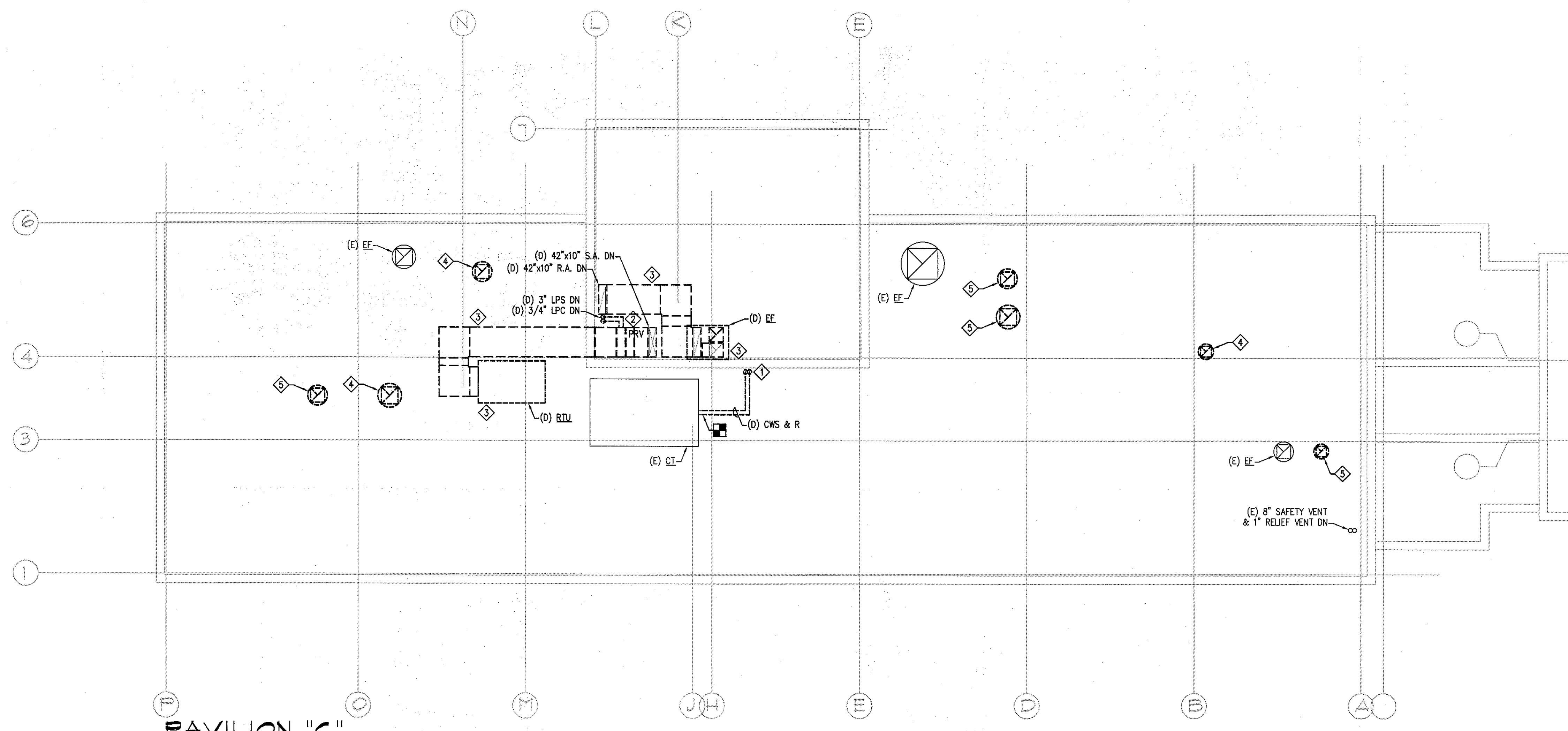
MECHANICAL GENERAL KEYNOTE

- ① PROVIDE BID ALTERNATE (ALTERNATE #4) FOR ALL PAVILION "A" WORK.



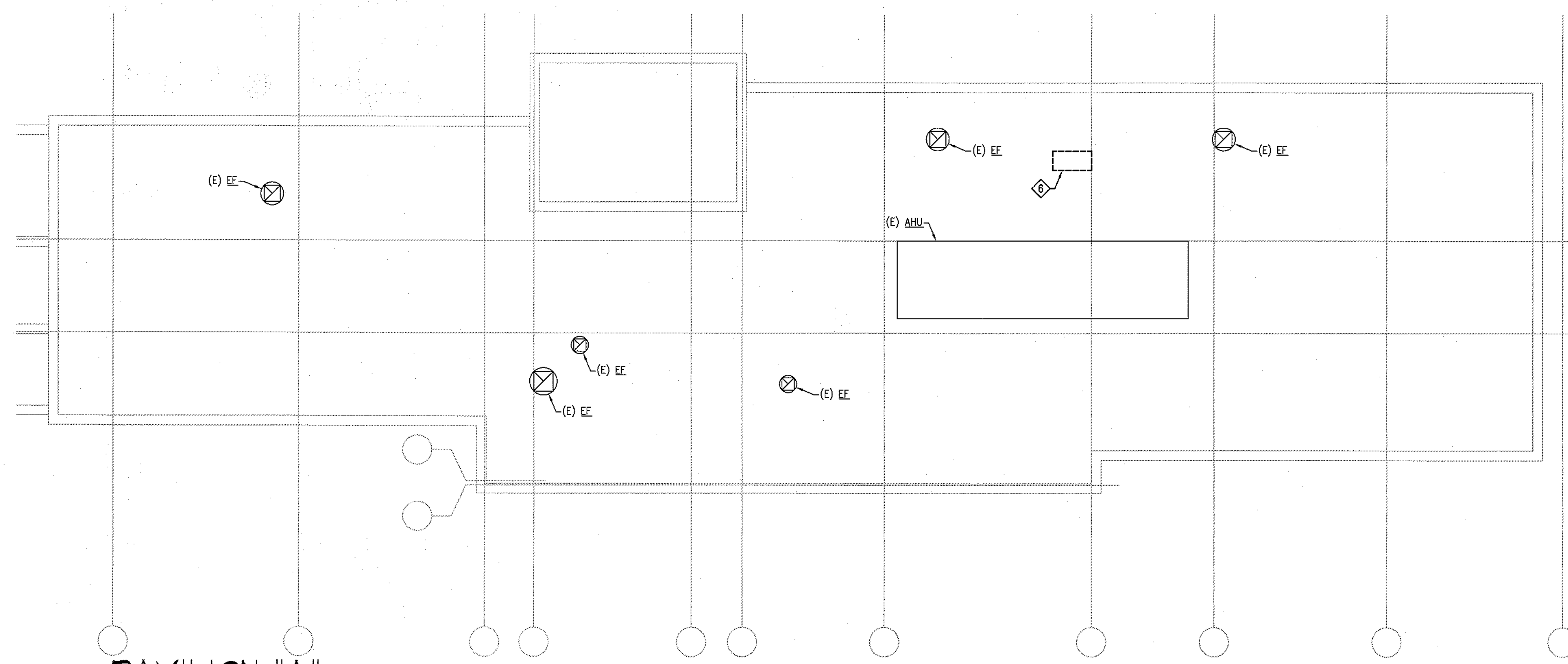
PAVILION "A"





PAVILION "C"

- MECHANICAL DEMOLITION KEYNOTES**
- ◇ REMOVE EXISTING CONDENSER WATER PIPING AS INDICATED. EXISTING COOLING TOWER TO REMAIN. PIPING TO BE RE-ROUTED AS INDICATED IN NEW WORK PHASE. REFER TO DWGS 3M2.1 & 3M2.2 FOR NEW PIPING WORK.
 - ◇ REMOVE EXISTING LOW-PRESSURE STEAM & CONDENSATE PIPING AS INDICATED AND CAP WITHIN INTERMEDIATE MECHANICAL SPACE BELOW 5TH FLOOR.
 - ◇ REMOVE EXISTING HVAC SYSTEM AS INDICATED, INCLUDING ROOF-TOP UNIT, EXHAUST FAN, STEAM HEATING COIL AND ALL ASSOCIATED DUCTWORK AND ACCESSORIES. RTU TO BE TURNED OVER TO OWNER AFTER REMOVAL.
 - ◇ REMOVE EXISTING EXHAUST FAN AND CURB AND PATCH ROOF. RETAIN EQUIPMENT FOR RE-LOCATION IN NEW WORK PHASE. REFER TO DWG. 3M2.2 FOR NEW LOCATION.
 - ◇ REMOVE EXISTING EXHAUST FAN AND CURB AND PATCH ROOF.
 - ◇ REMOVE EXISTING CONDENSING UNIT AND ASSOCIATED PIPING & ACCESSORIES. PATCH ROOF.



PAVILION "A"

MorrisSwitzer
Environments for Health

Williston, Vermont
Portland, ME 04101
Boston, Massachusetts
Portland, Maine

One Dana Street
Portland, ME 04101
Tel: 207.773.8841
Fax: 207.773.8840

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structural engineers, inc.

75 York Street
Portland, ME 04101-4701
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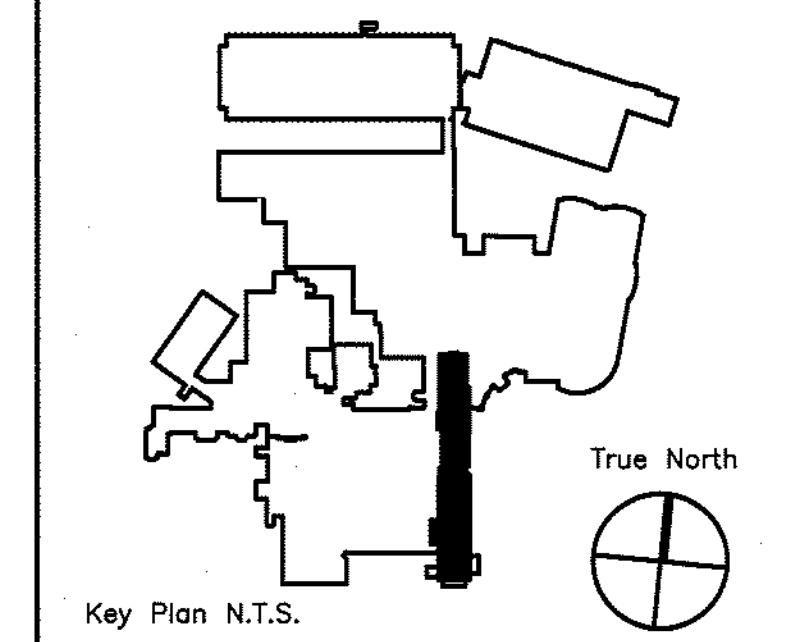
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MECHANICAL / ELECTRICAL ENGINEERS

92 Monvale Ave, Suite 4100
Stonham, MA 02180
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Portland, Maine

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DEMOLITION ROOF PLAN
3M1.1**

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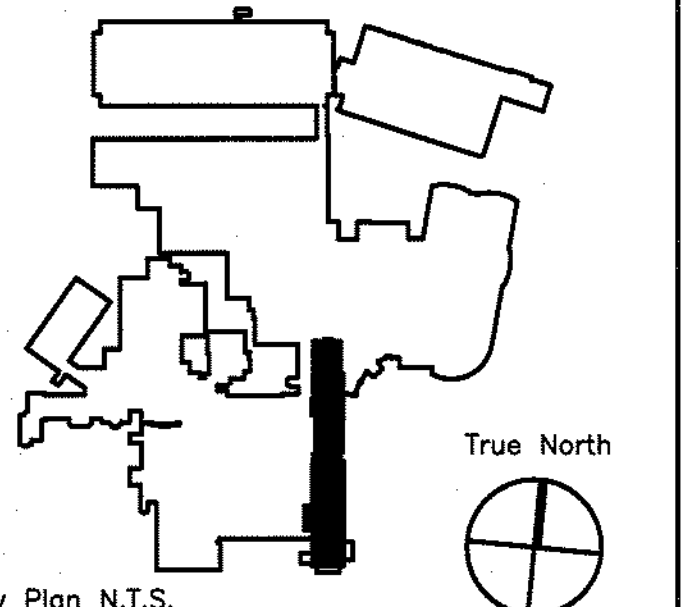
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92 Montvale Ave, Suite 4100
Snohomish, WA 98290
Tel: 781-481-0210
Fax: 781-481-0203
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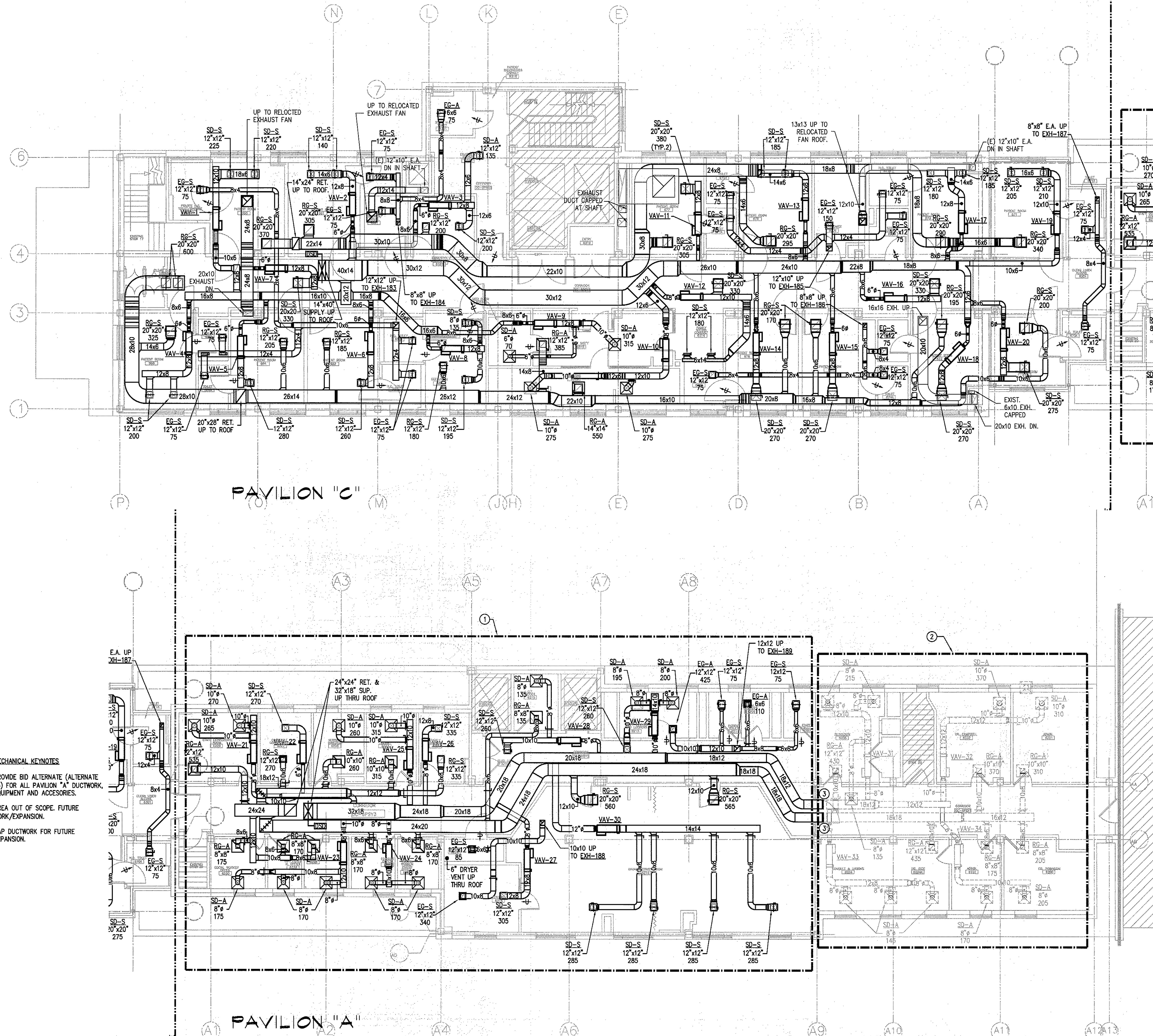
Revision Date No



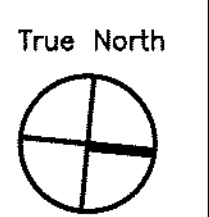
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PAVILION 6 RENOVATIONS

MorrisSwitzer Project Number 28034
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Sheet Title and Number

SIXTH FLOOR PAVILIONS "A" & "C" MECHANICAL NEW DUCTWORK PLAN
3M2.0



- MECHANICAL KEYNOTES**
- 1 PROVIDE BID ALTERNATE (ALTERNATE #4) FOR ALL PAVILION "A" DUCTWORK, EQUIPMENT AND ACCESSORIES.
 - 2 AREA OUT OF SCOPE. FUTURE WORK/EXPANSION.
 - 3 CAP DUCTWORK FOR FUTURE EXPANSION.



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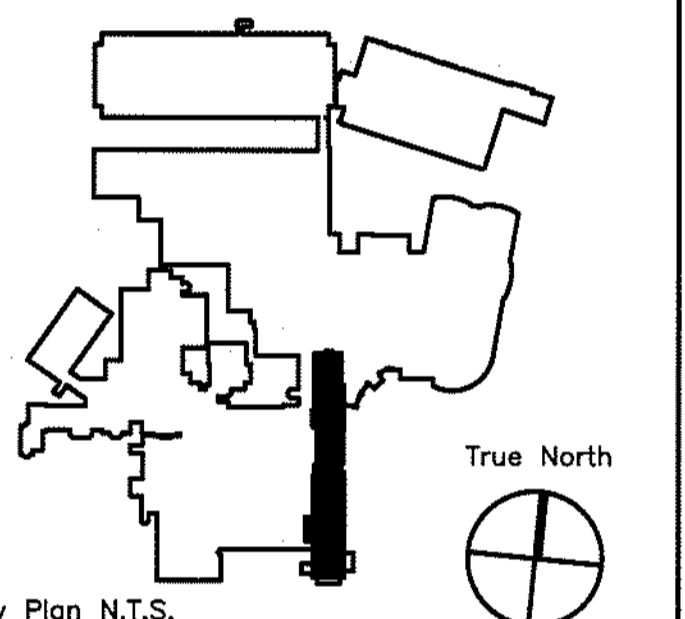
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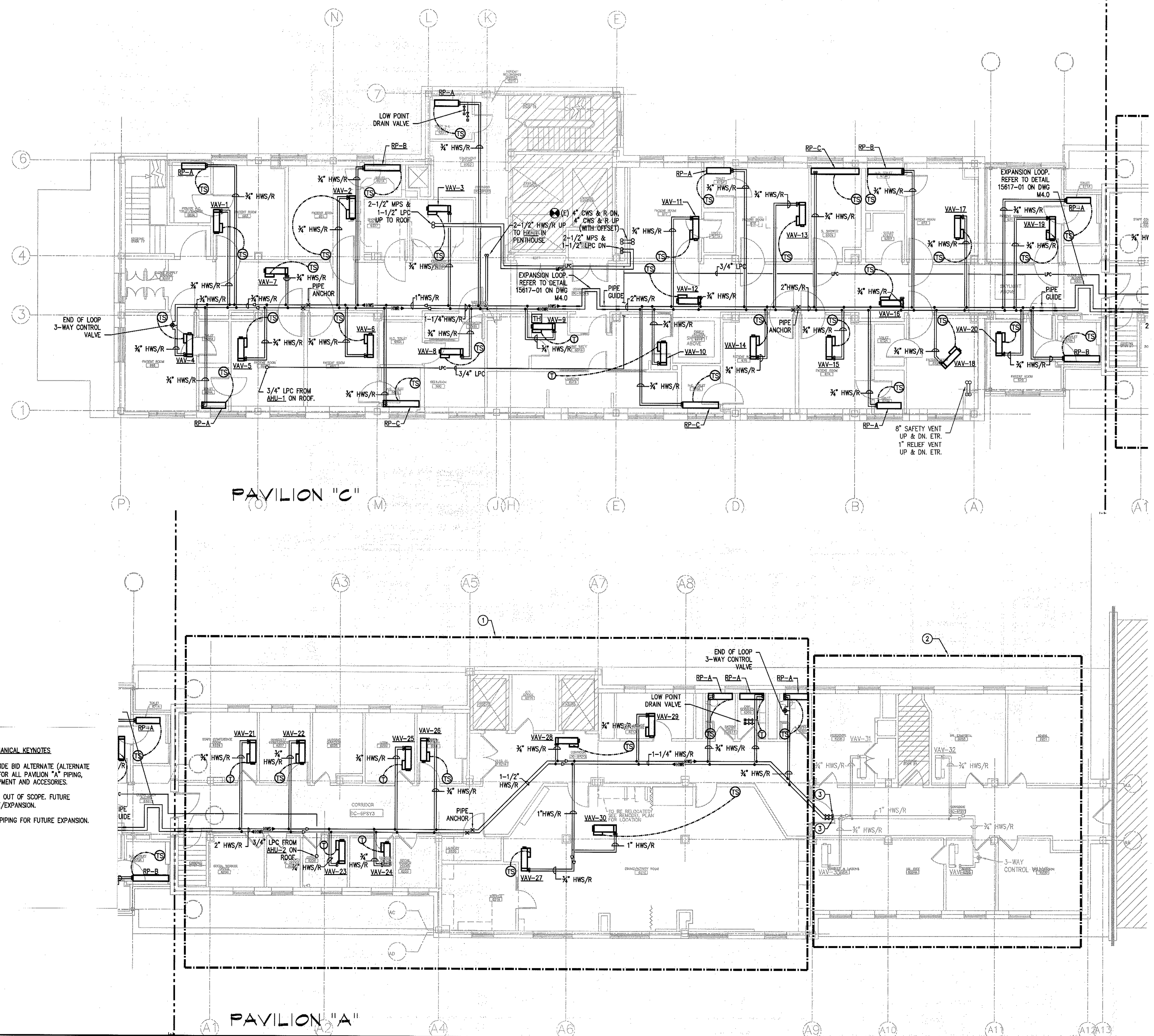
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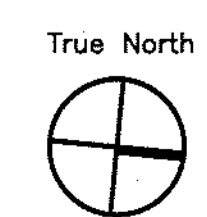
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PAVILION 6 RENOVATIONS

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Scale 1/8" = 1'-0"
Sheet Title and Number

SIXTH FLOOR PAVILIONS "A" & "C" MECHANICAL NEW PIPING PLAN
3M2.1



- MECHANICAL KEYNOTES**
- 1 PROVIDE BID ALTERNATE (ALTERNATE #4) FOR ALL PAVILION "A" PIPING, EQUIPMENT AND ACCESSORIES.
 - 2 AREA OUT OF SCOPE. FUTURE WORK/EXPANSION.
 - 3 CAP PIPING FOR FUTURE EXPANSION.



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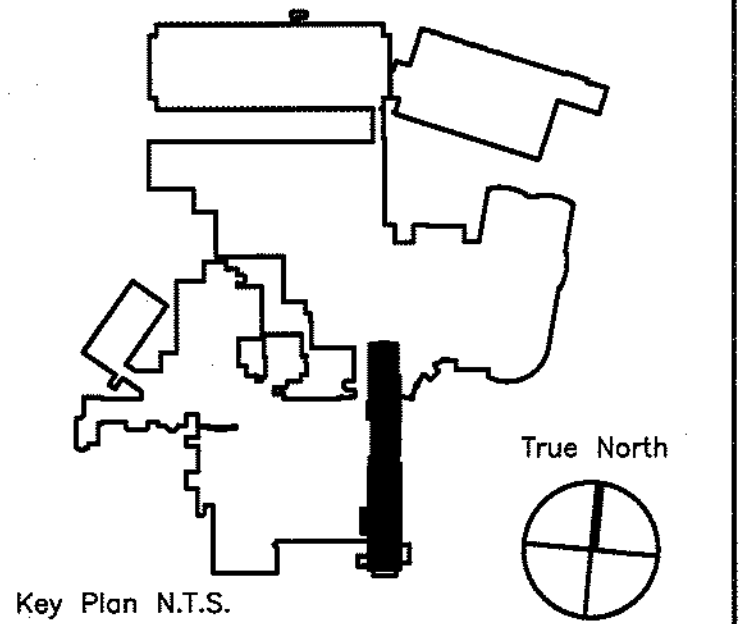
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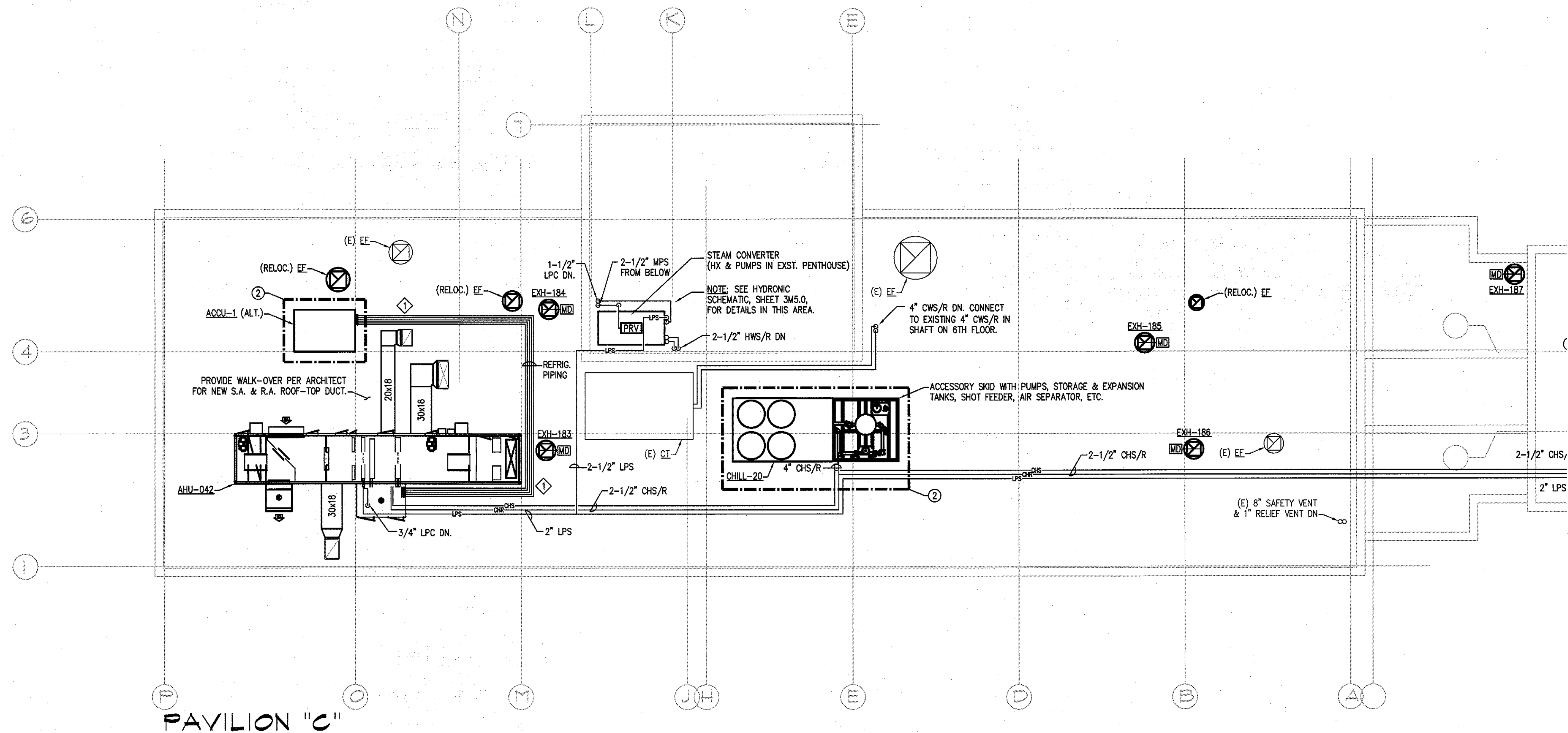
Revision Date No



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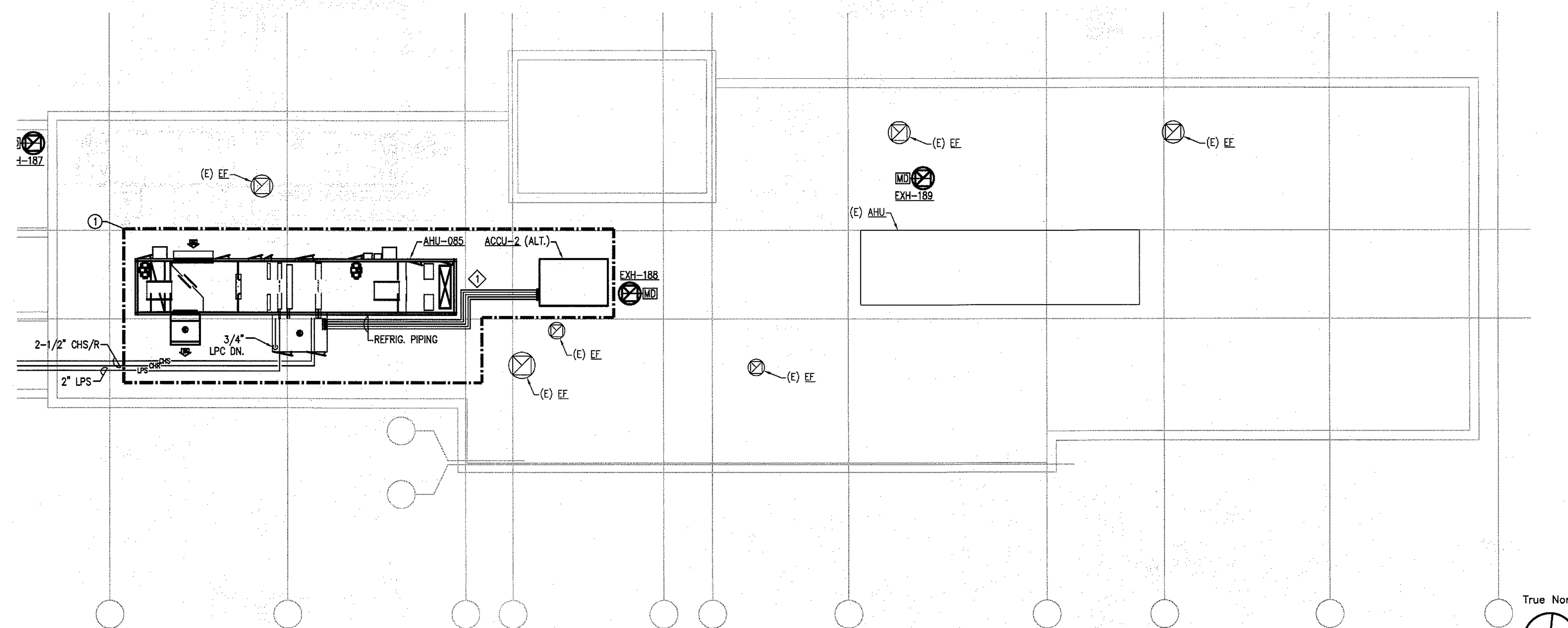
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**SIXTH FLOOR PAVILIONS
"A" & "C" MECHANICAL
NEW WORK ROOF PLAN
3M2.2**

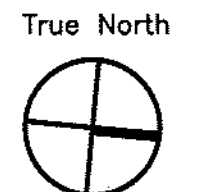


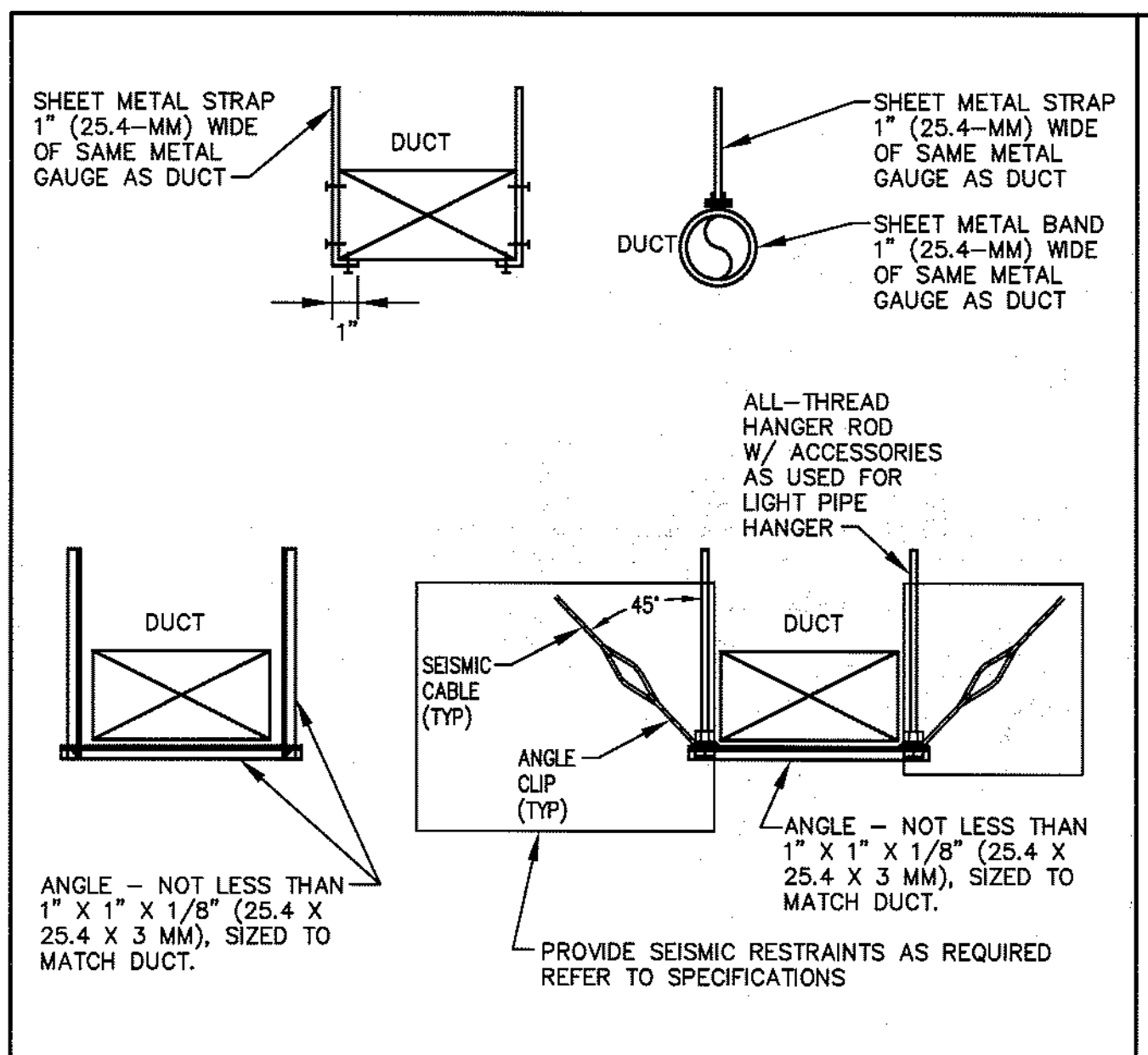
PAVILION "C"

- MECHANICAL KEYNOTE**
- ◇ REFRIGERANT PIPE SIZING SHALL BE COORDINATED WITH CONDENSING UNIT MANUFACTURER.
- MECHANICAL GENERAL KEYNOTES**
- ① PROVIDE BID ALTERNATE (ALTERNATE #4) FOR DELETION OF AIR HANDLING UNIT AHU-085 AND ALL ASSOCIATED DUCTWORK, PIPING, EQUIPMENT AND ACCESSORIES. ALL EXISTING HVAC TO REMAIN. INCLUDE NEW EXHAUST FANS EXH-188 & EXH-189 IN BOTH BASE AND ALTERNATE #4 BIDS.
 - ② PROVIDE BID ALTERNATE (ALTERNATE #5) FOR DX COOLING IN LIEU OF CHILLED WATER, INCLUDING AIR-COOLED CONDENSING UNITS ACCU-1, ACCU-2 AND ALL ASSOCIATED PIPING & ACCESSORIES. CHILLER CHILL-20, AND ALL ASSOCIATED PIPING & ACCESSORIES SHALL BE INCLUDED IN BASE BID. DO NOT INCLUDE WITH BID ALTERNATE #5.
- GENERAL MECHANICAL NOTES:**
1. PROVIDE PRE-FABRICATED ROOF PIPING SUPPORTS EVERY 10 FT. REFER TO DETAILS 15617-12 & 15676-05, DWG. 3M4.1.
 2. PROVIDE PRE-FABRICATED ROOF DUCTWORK SUPPORTS EVERY 10 FT. REFER TO DETAILS 15616-01 & 15676-05, DWG. 3M4.1.

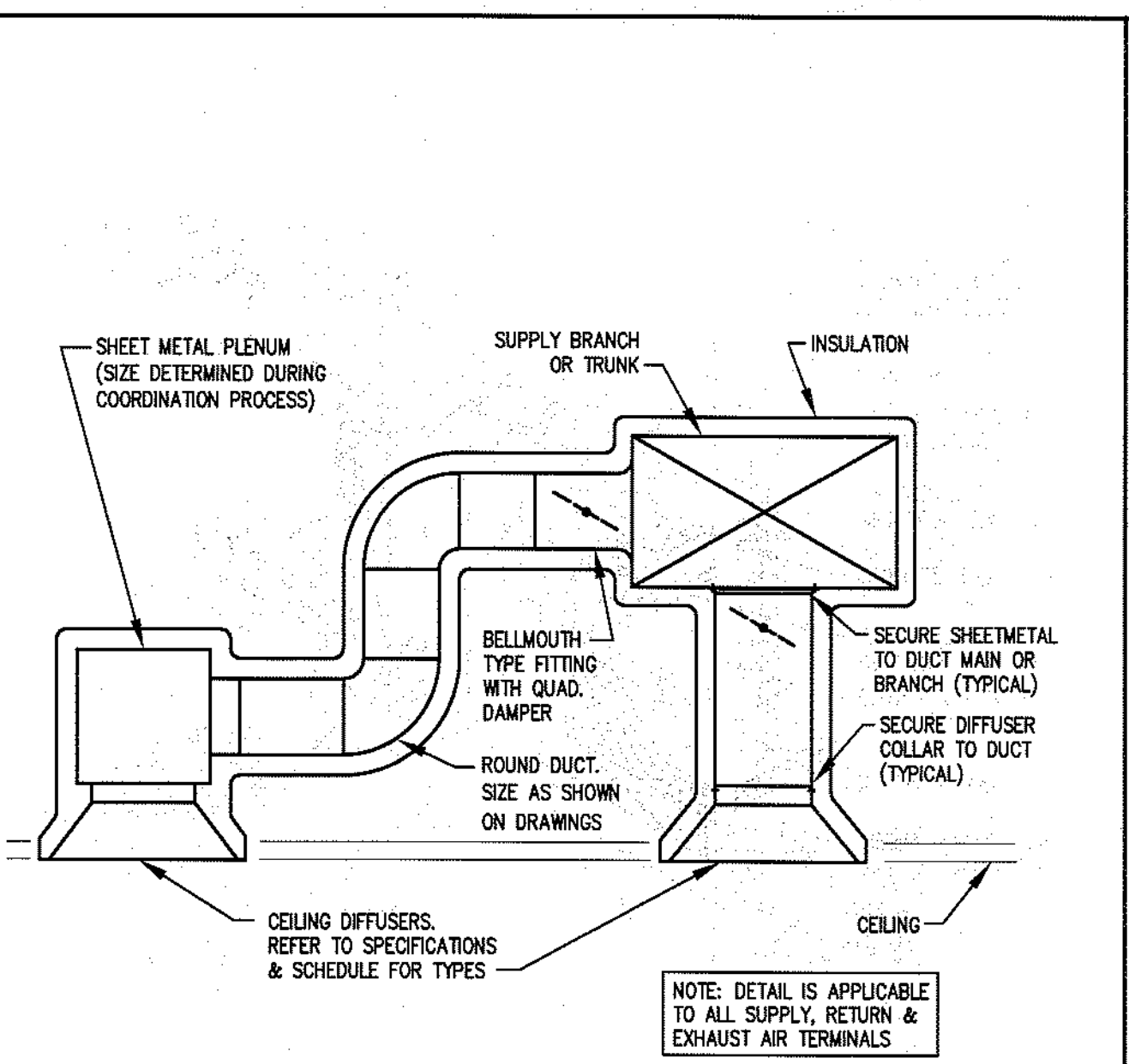


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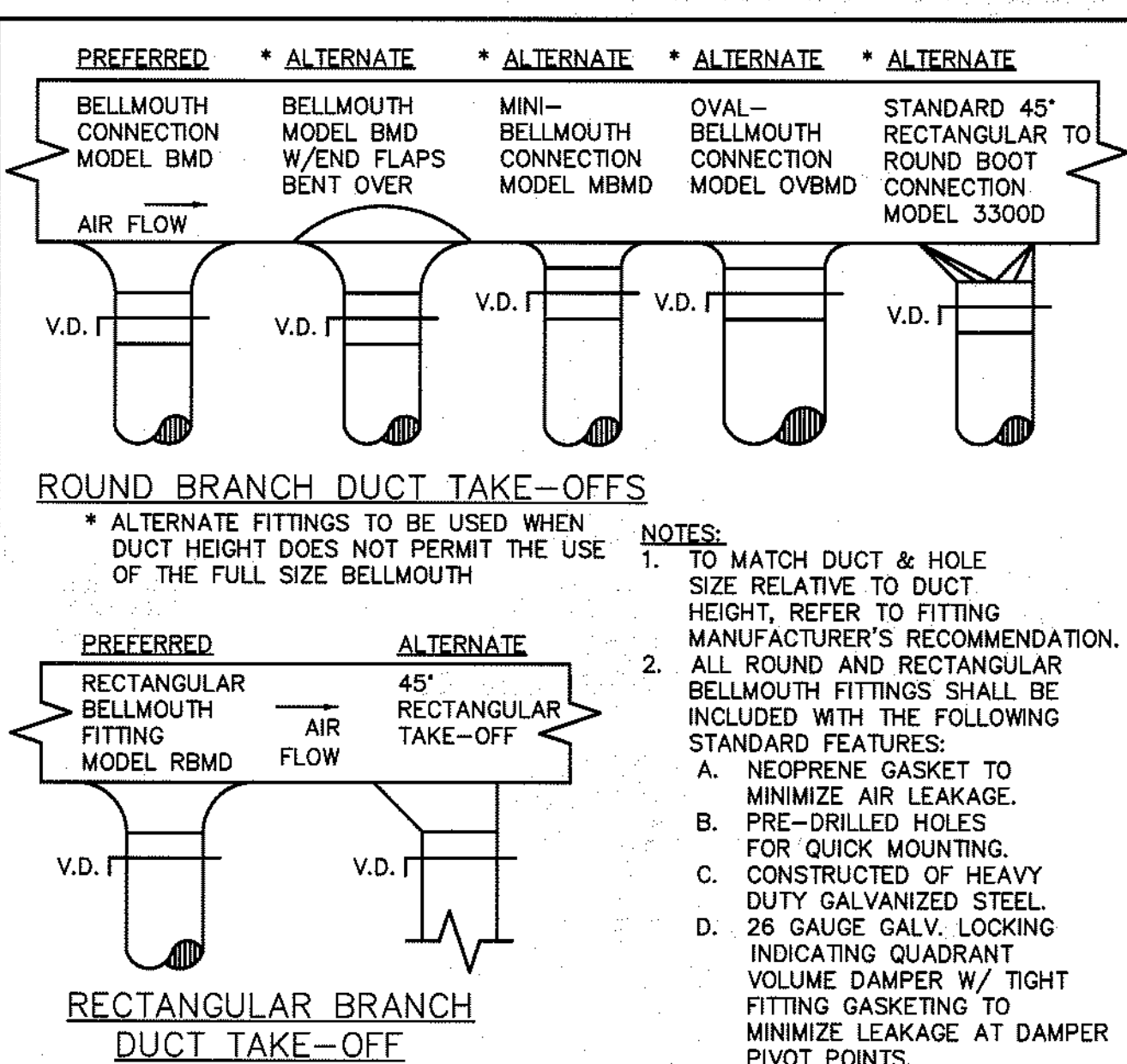




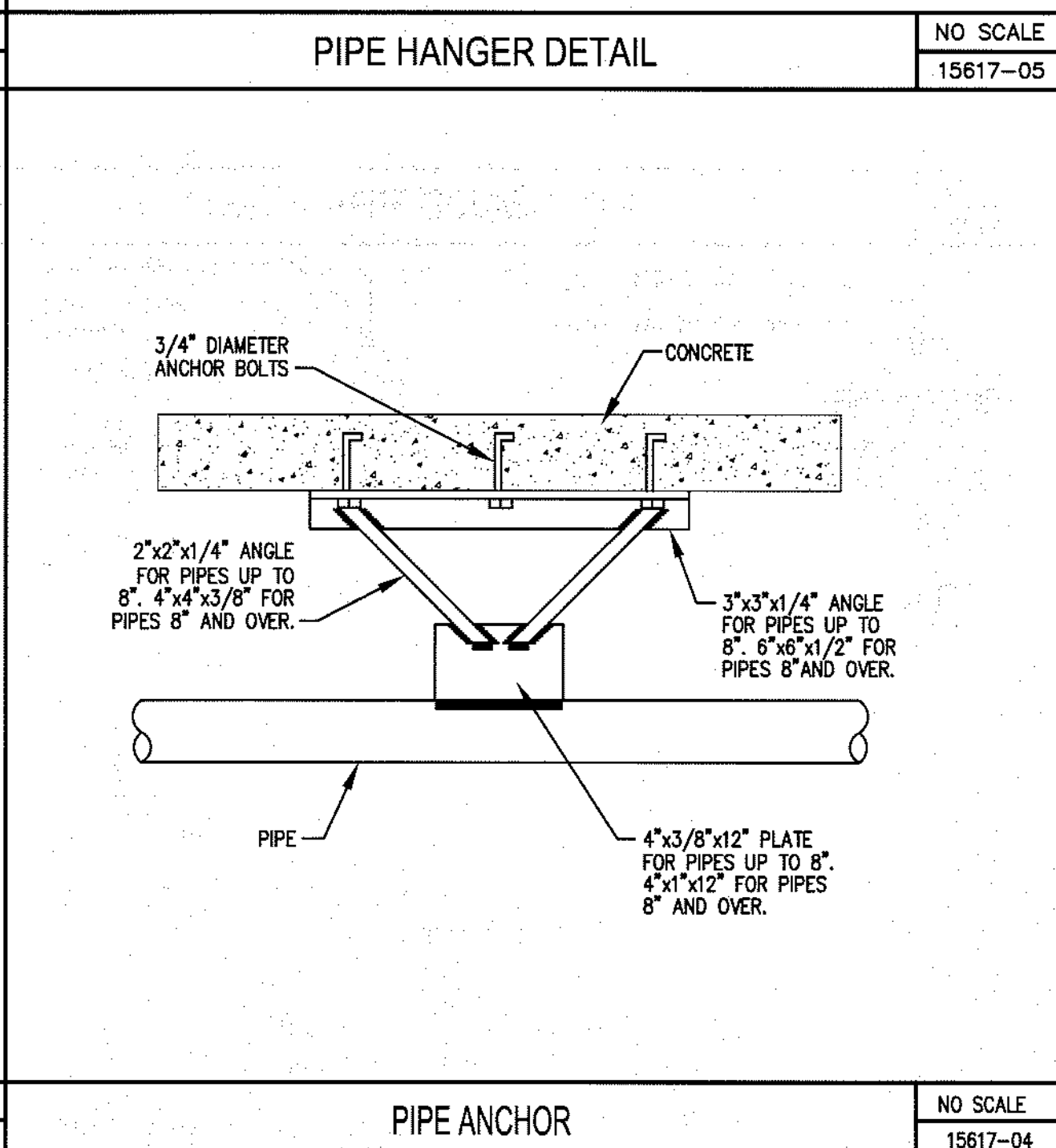
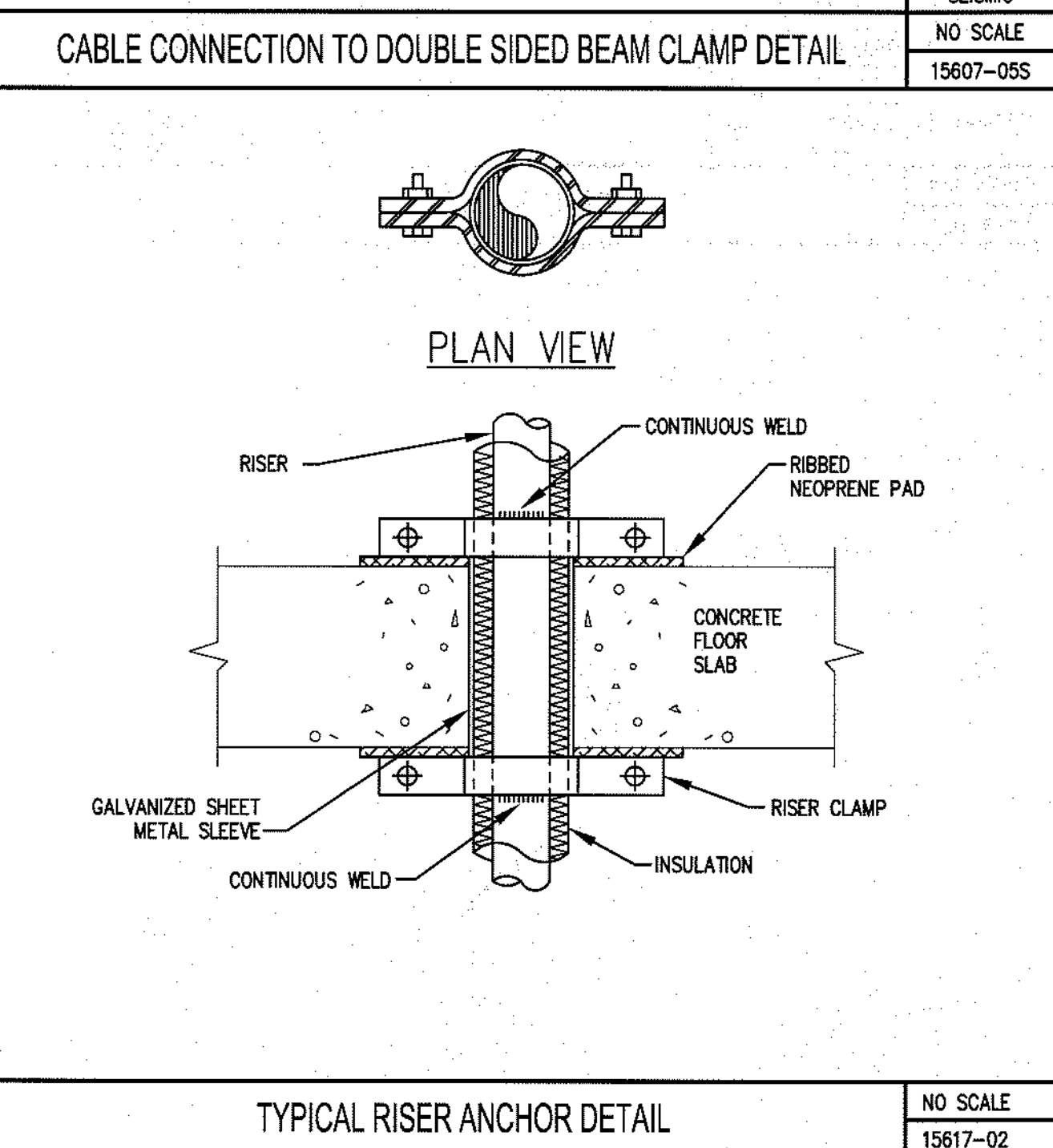
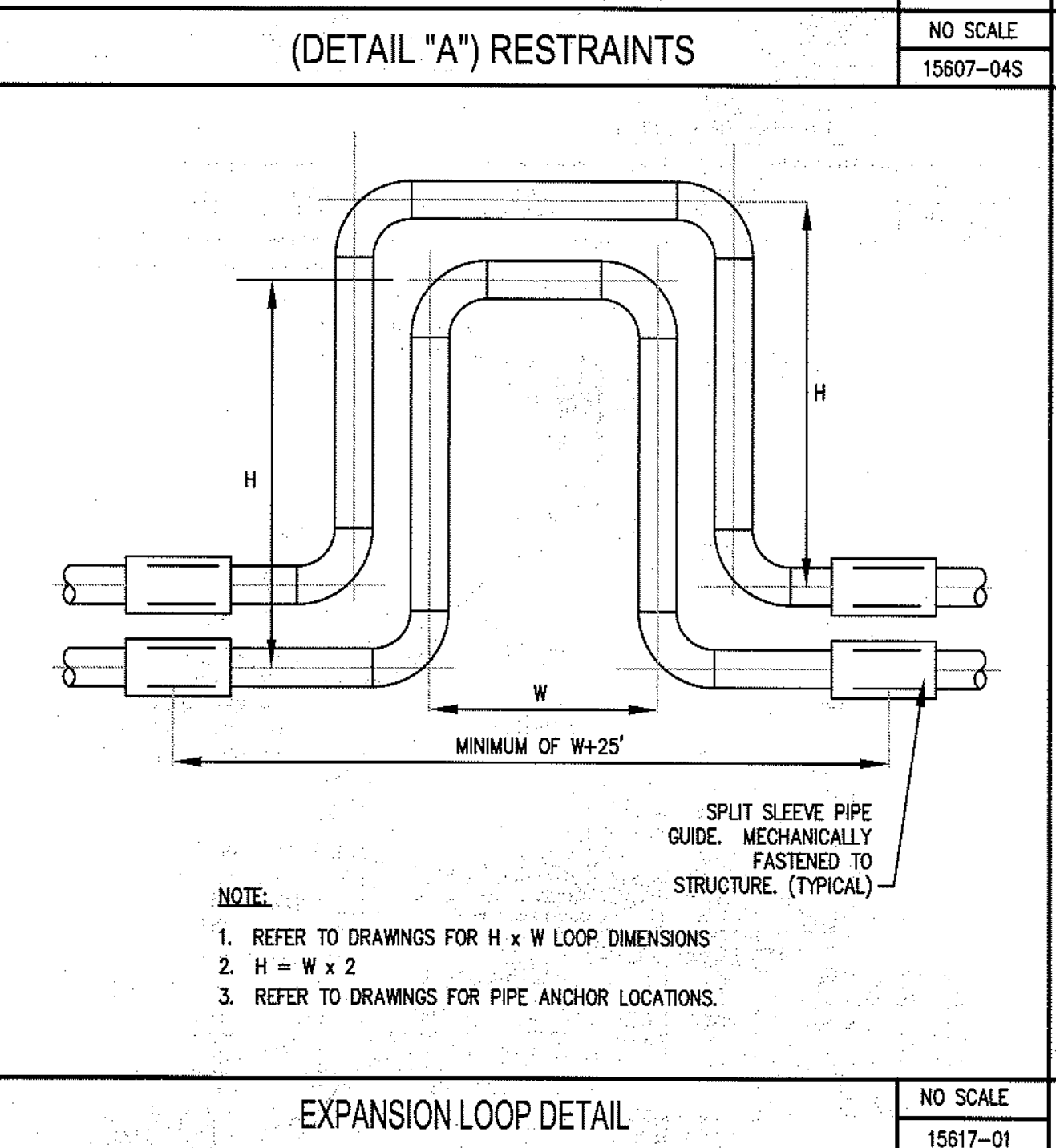
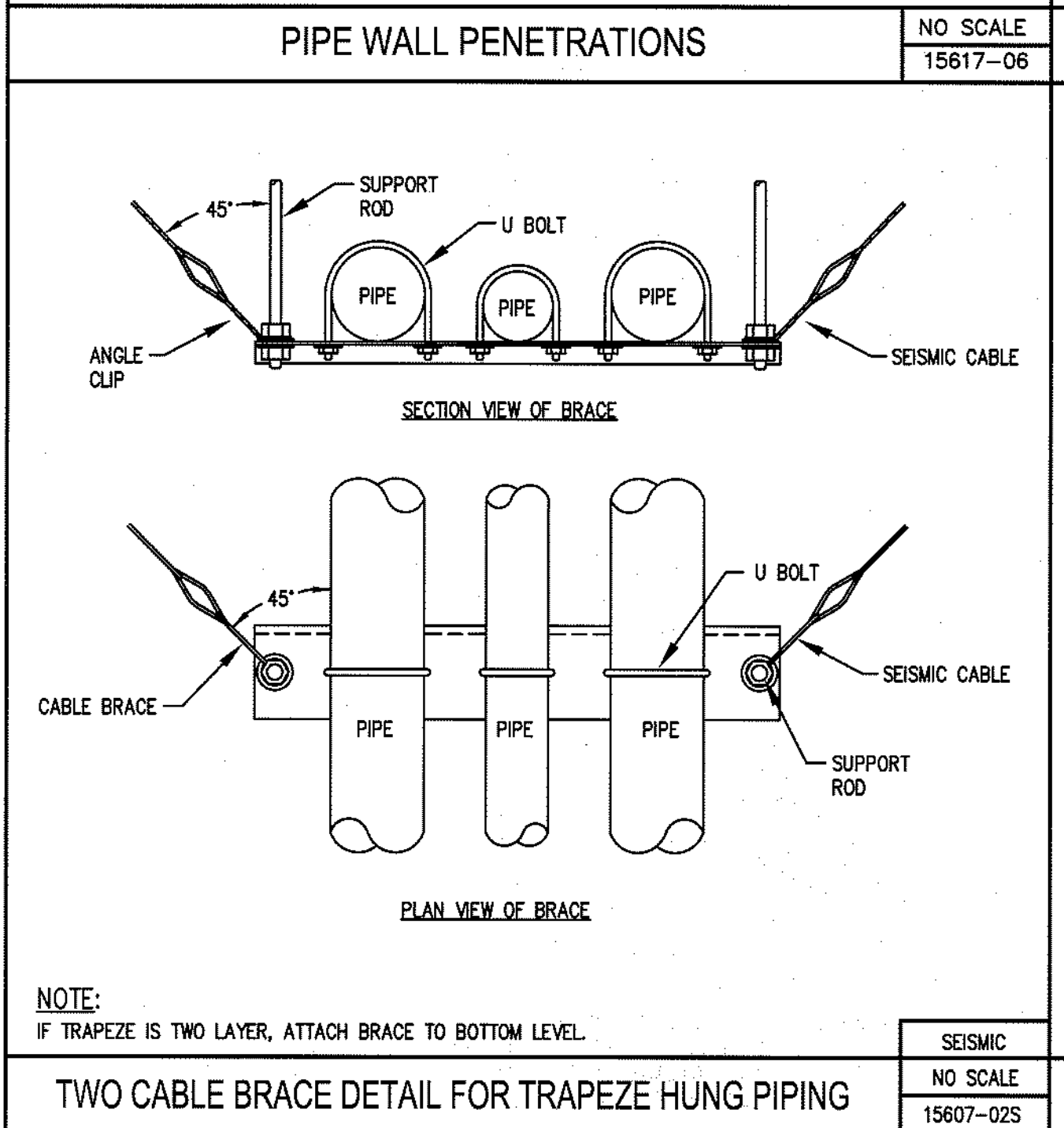
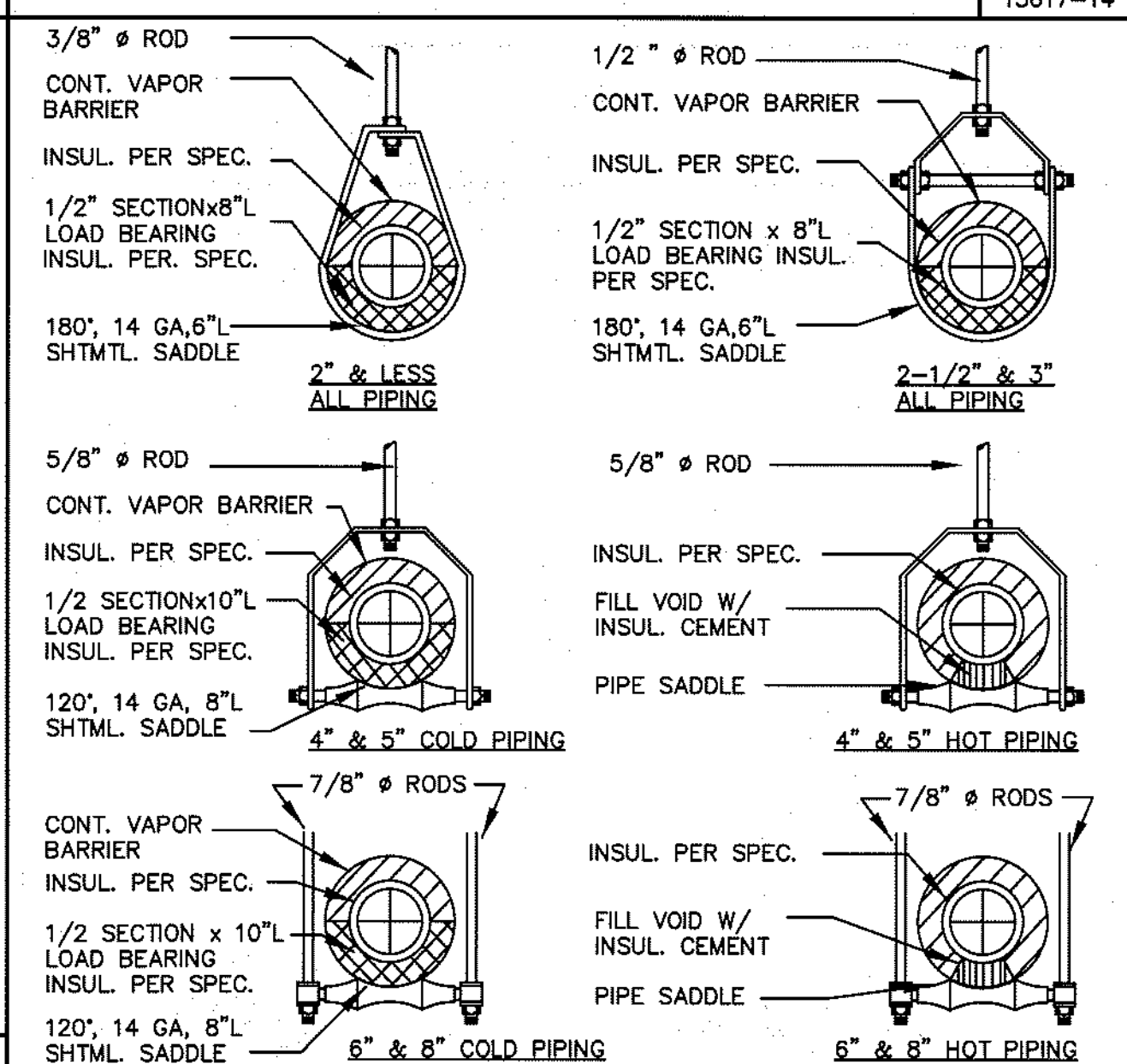
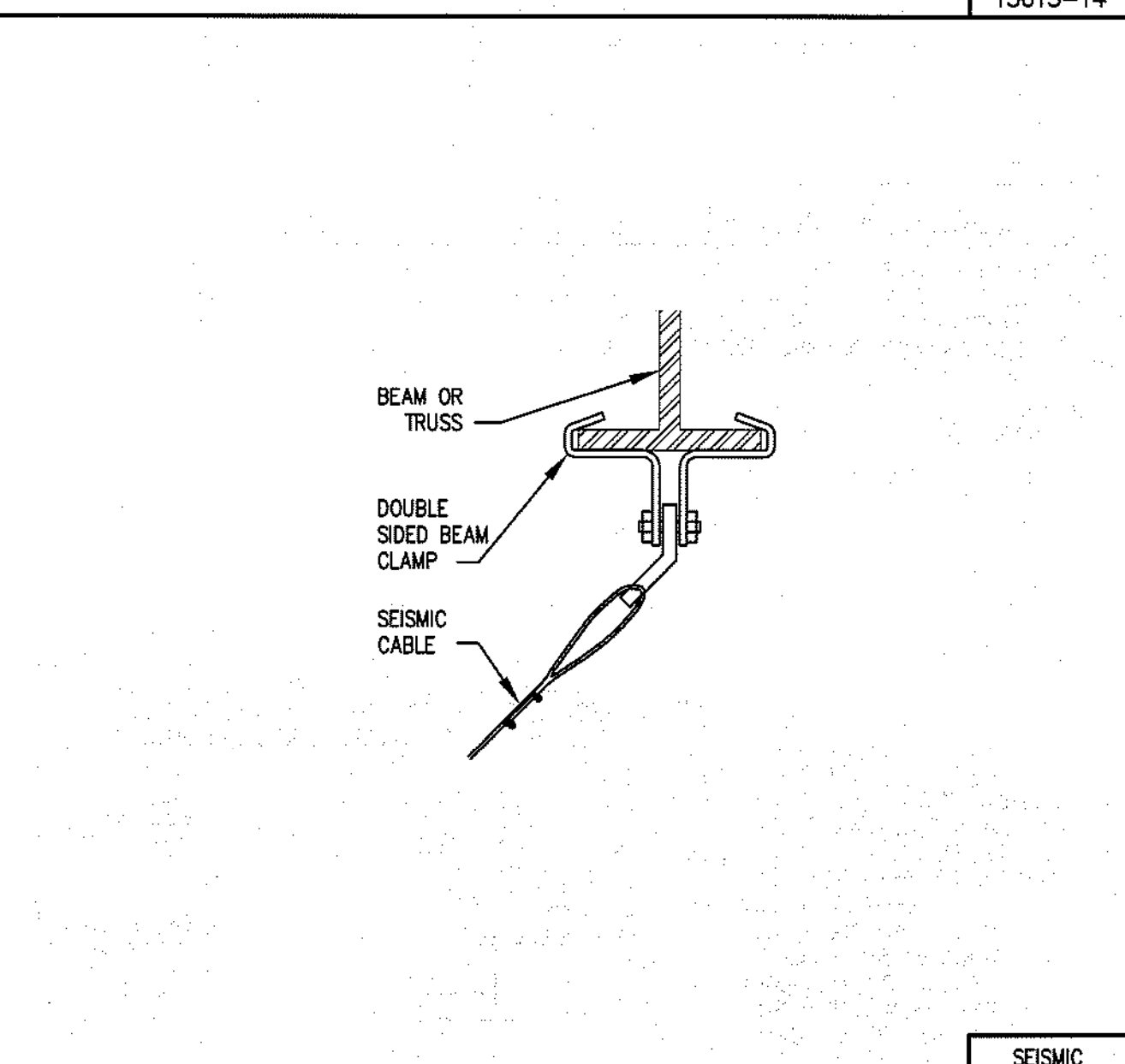
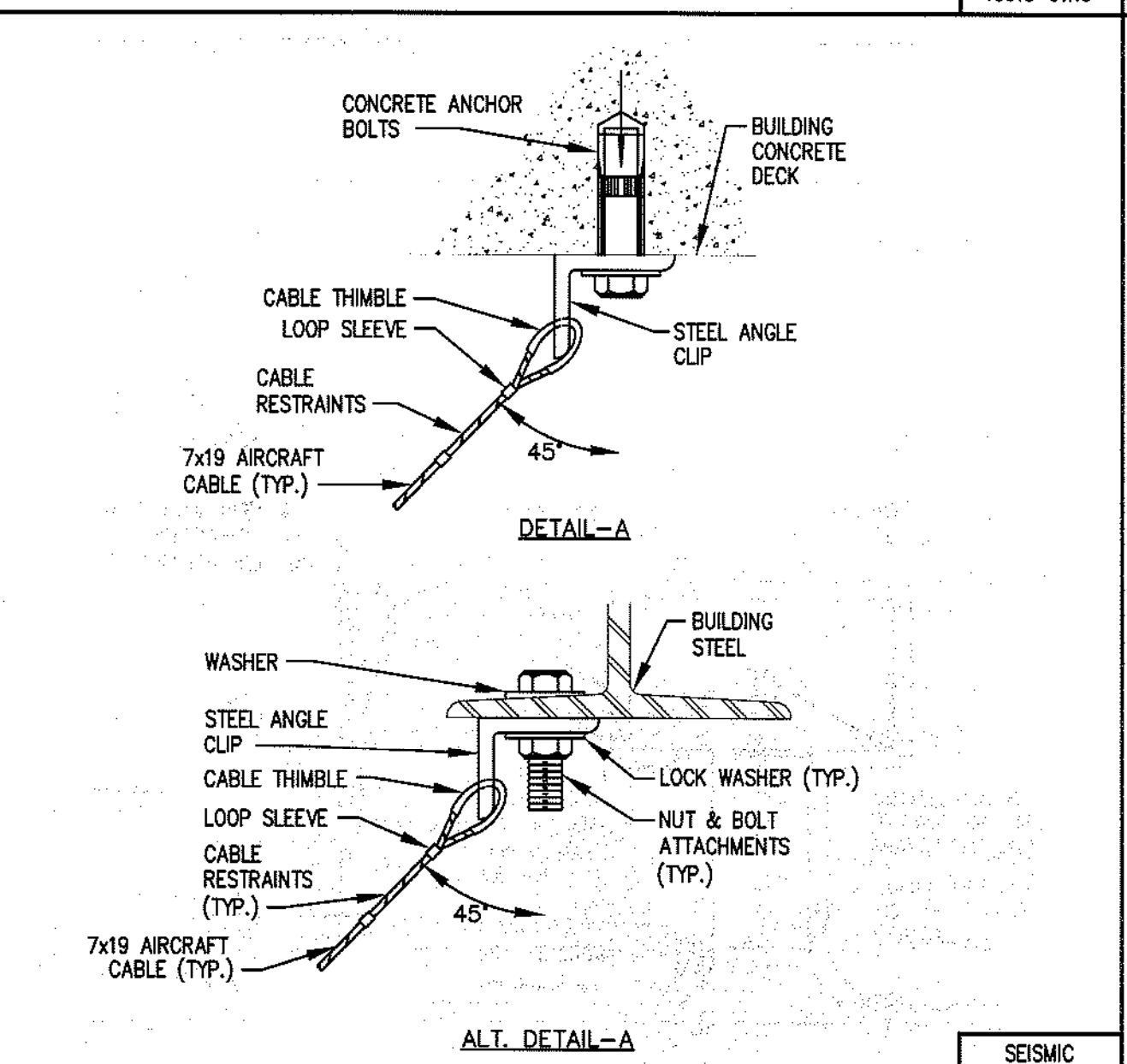
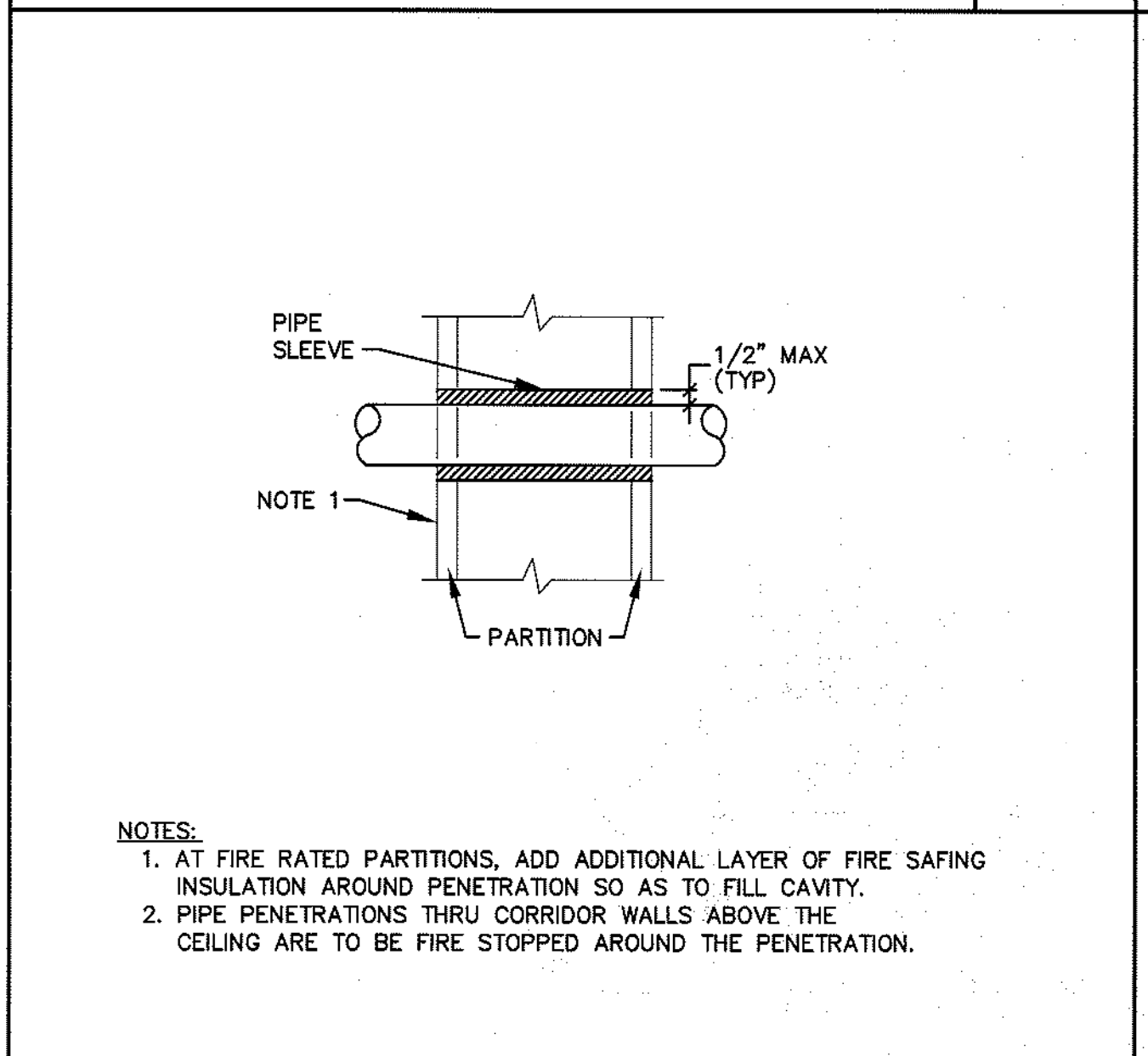
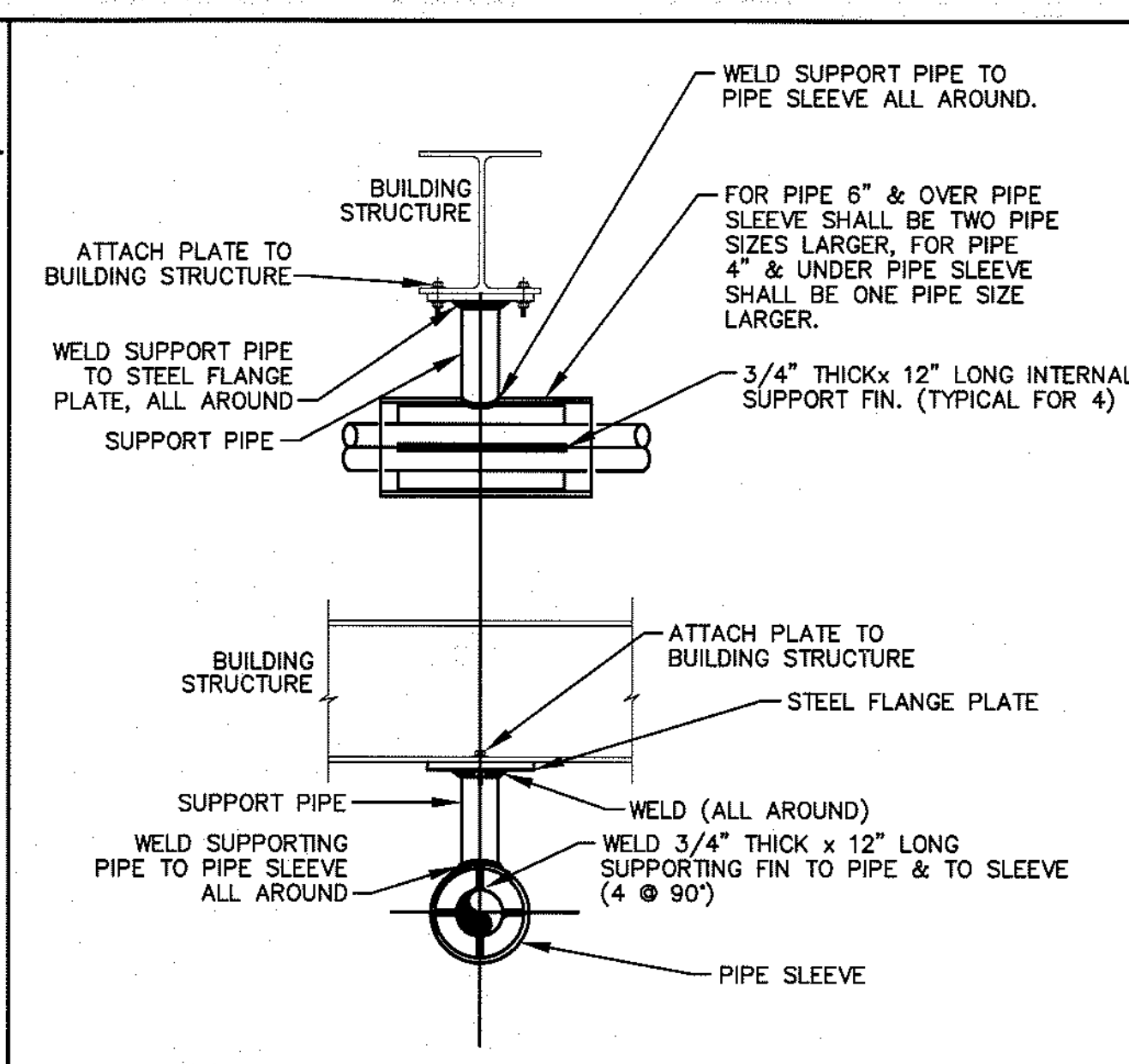
SHEET-METAL DUCT HANGERS NO SCALE 15616-02



INSTALLATION AT CEILING SUPPLY DIFFUSERS NO SCALE 15613-01HC



BRANCH TAKE-OFFS NO SCALE 15613-14



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structural engineers, inc.

75 York Street
Portland, ME 04101-4701
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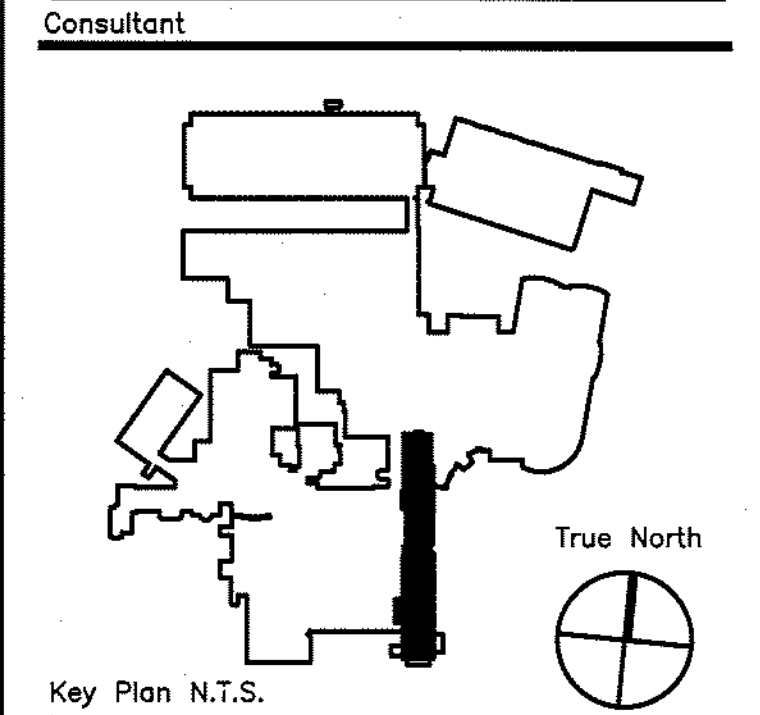
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Fax: 207-879-1822
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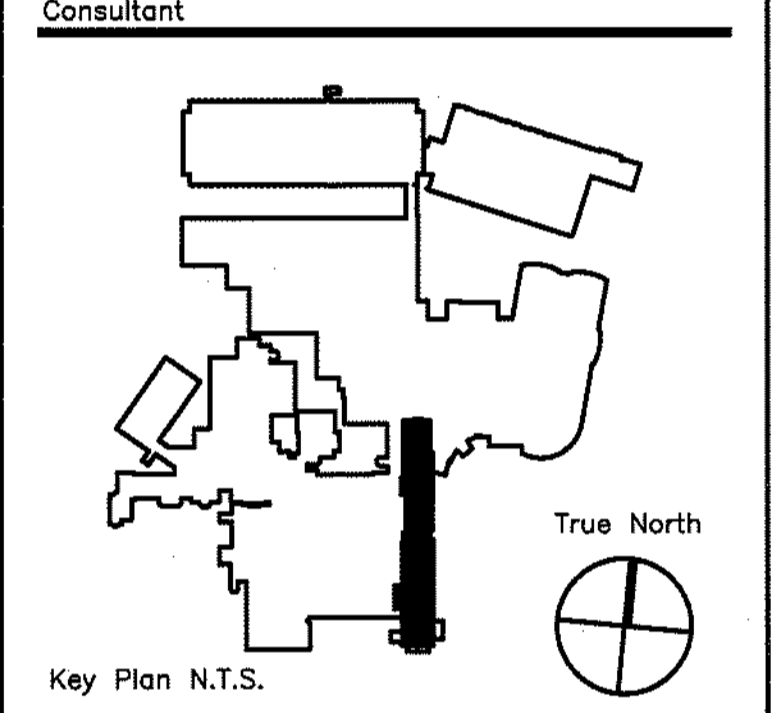
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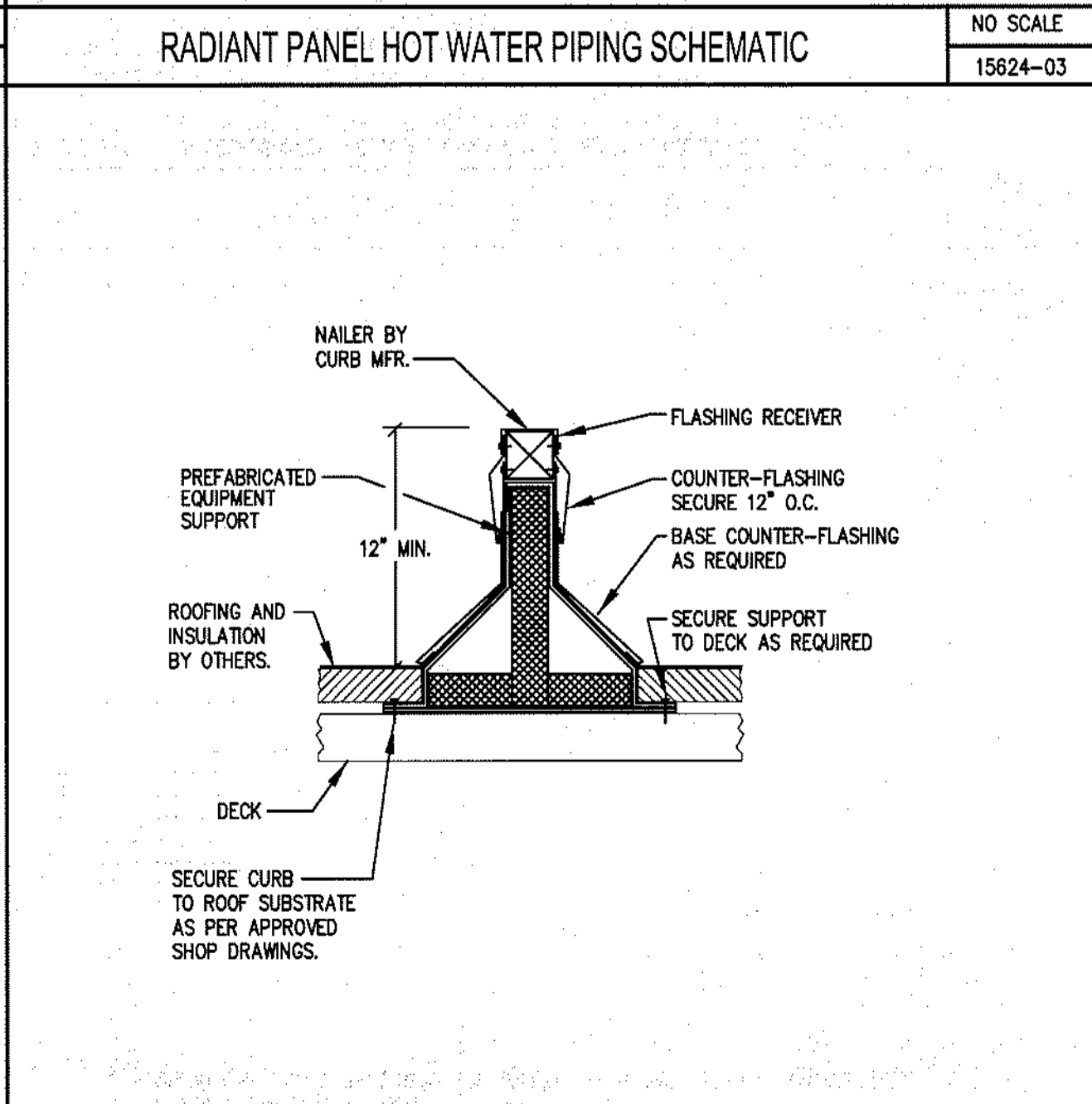
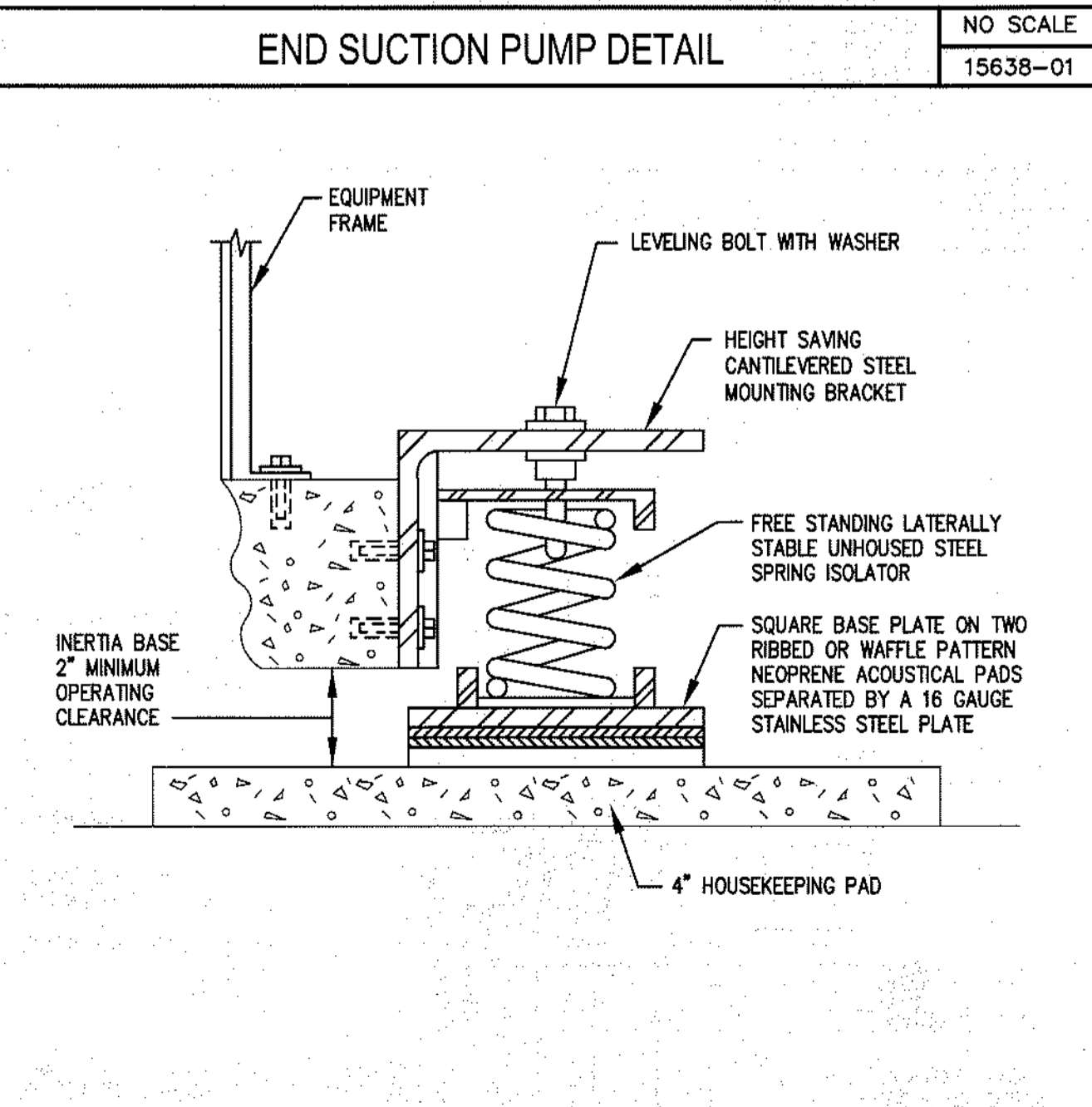
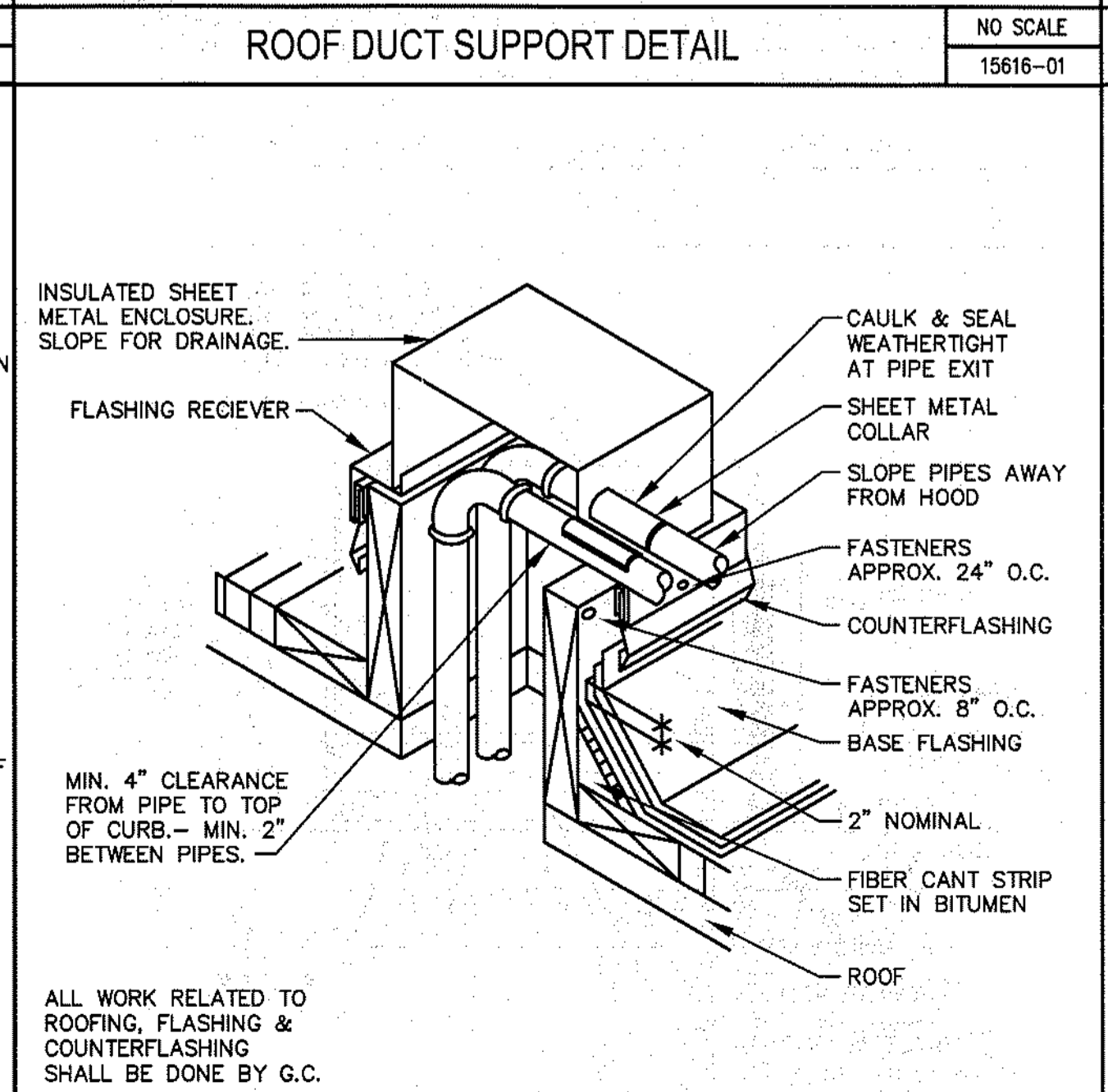
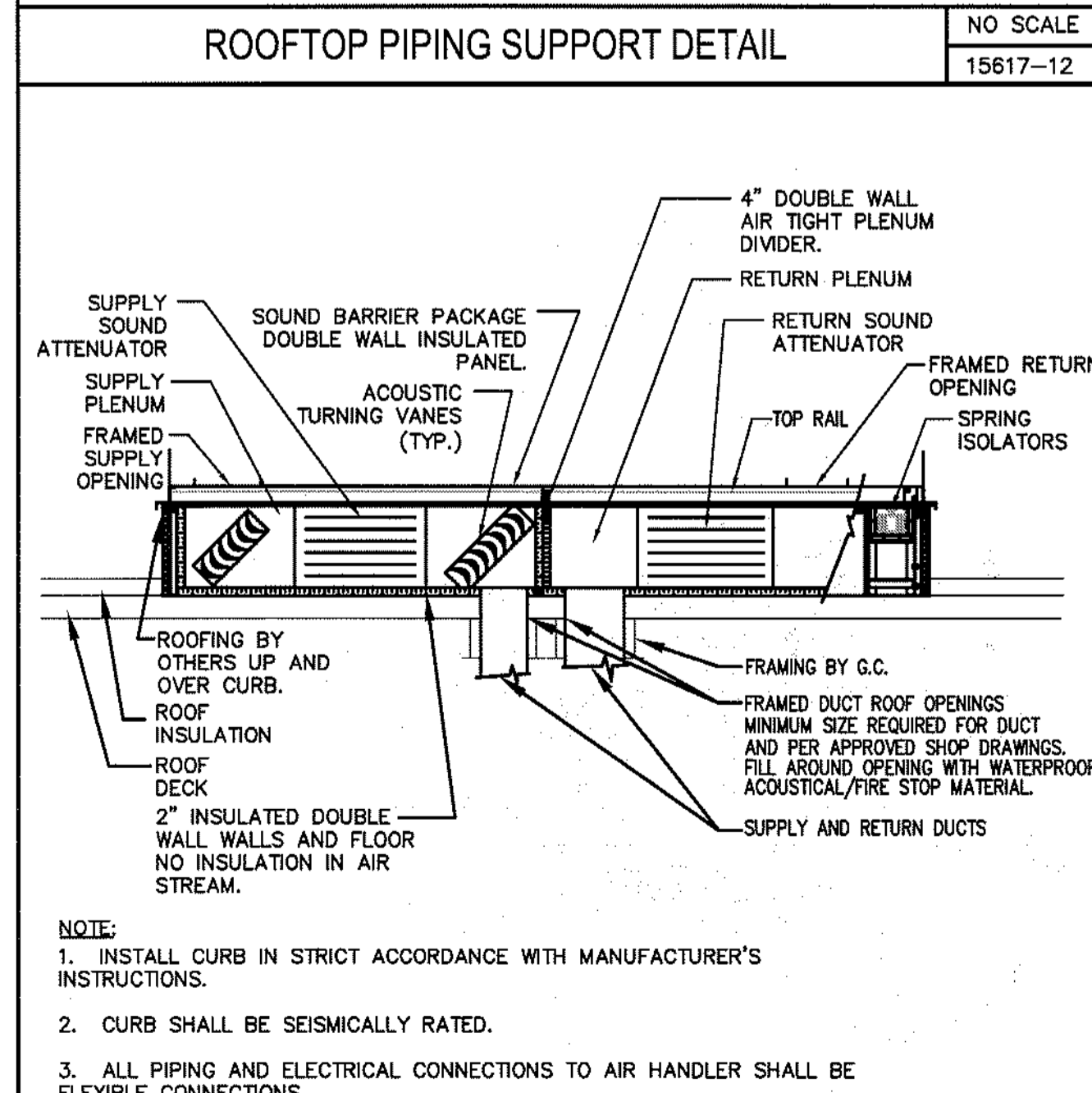
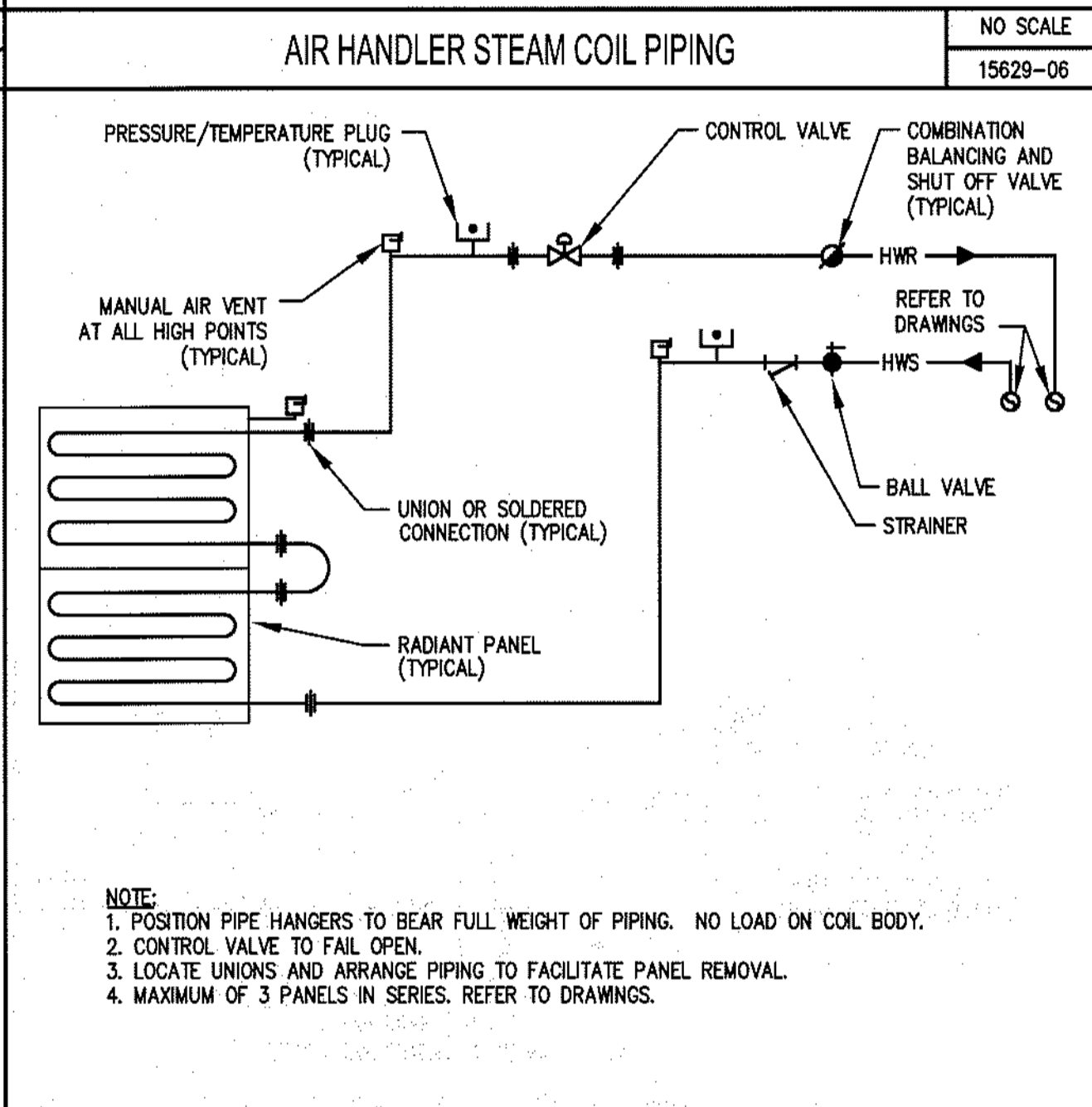
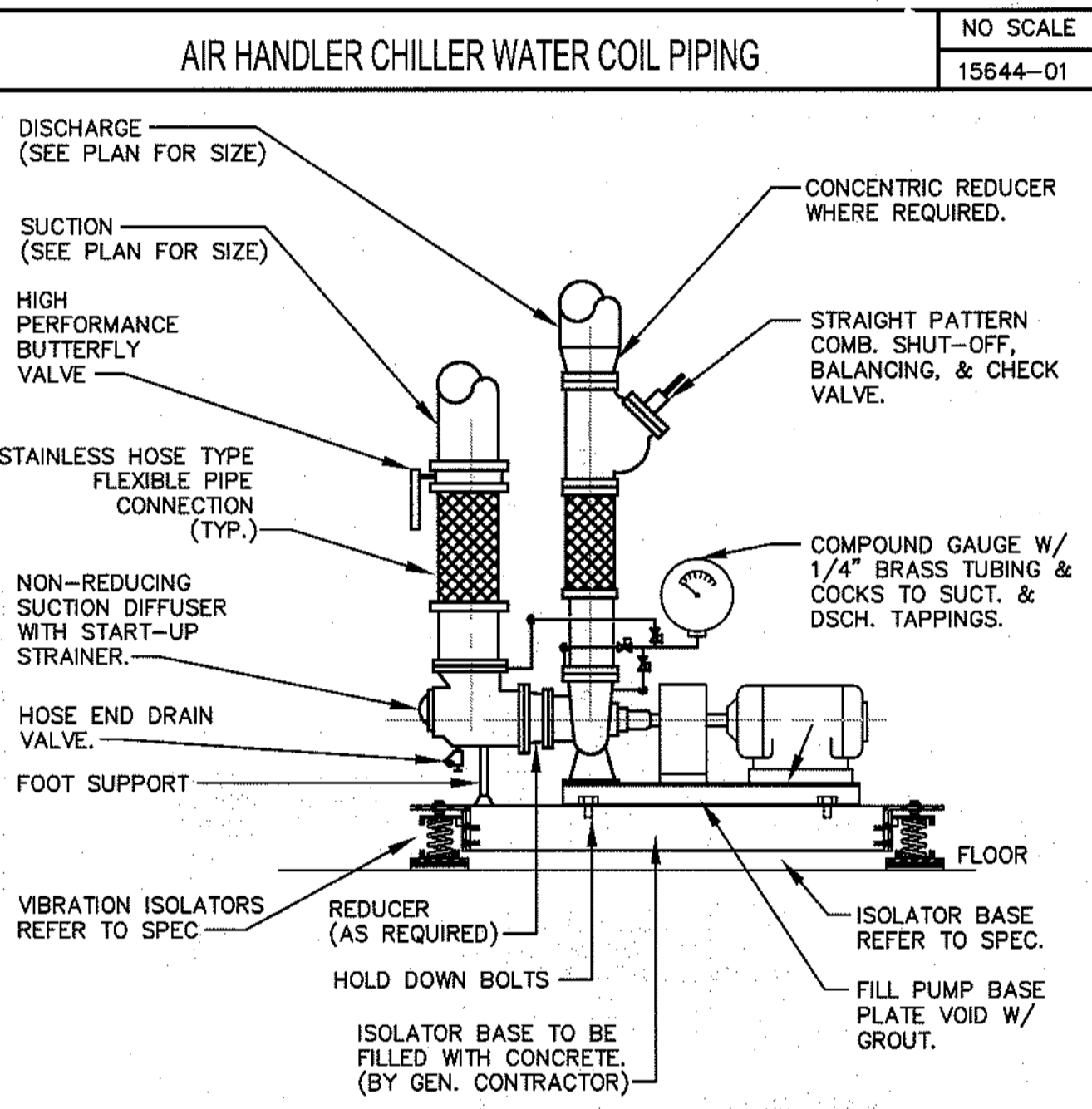
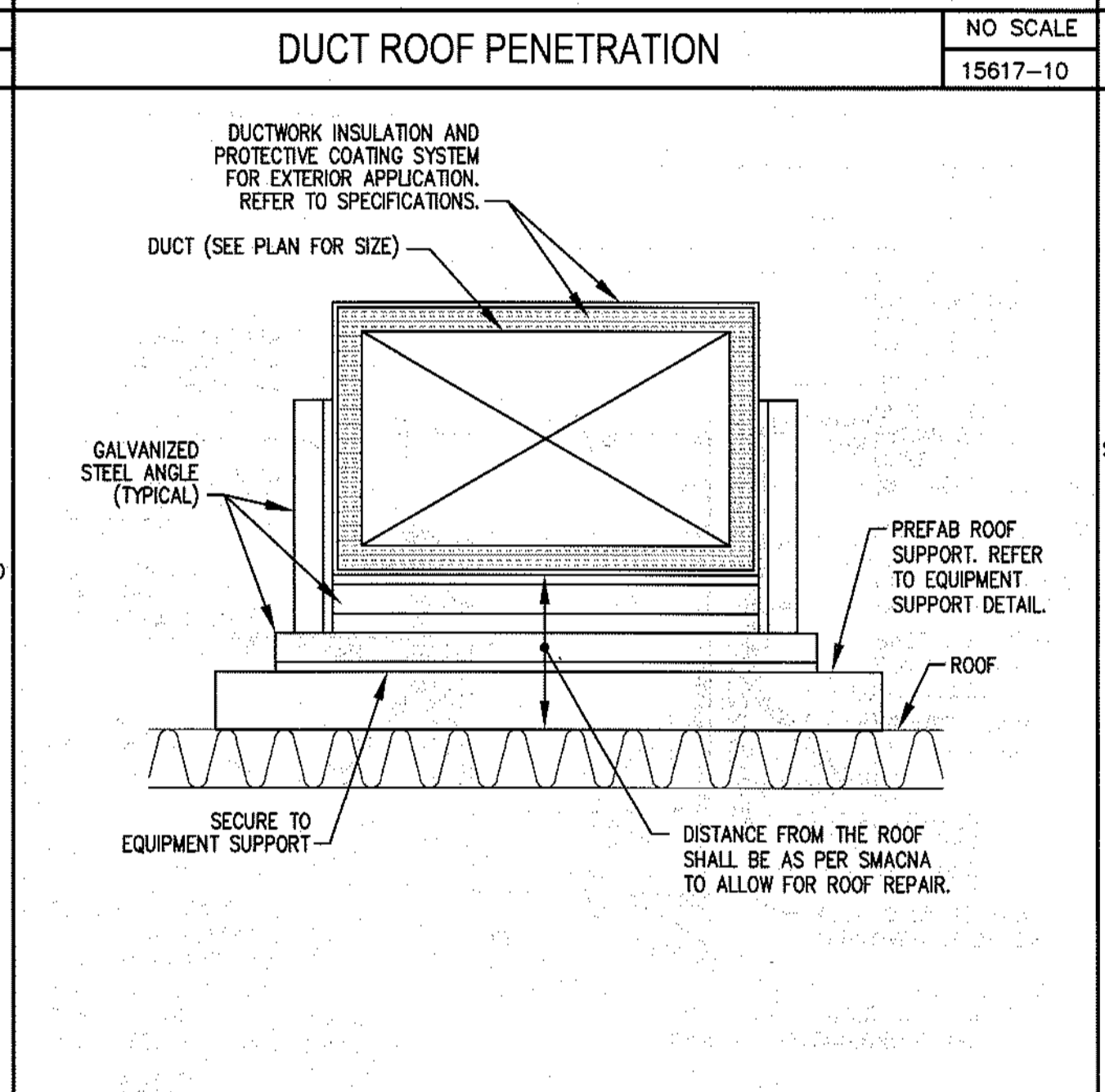
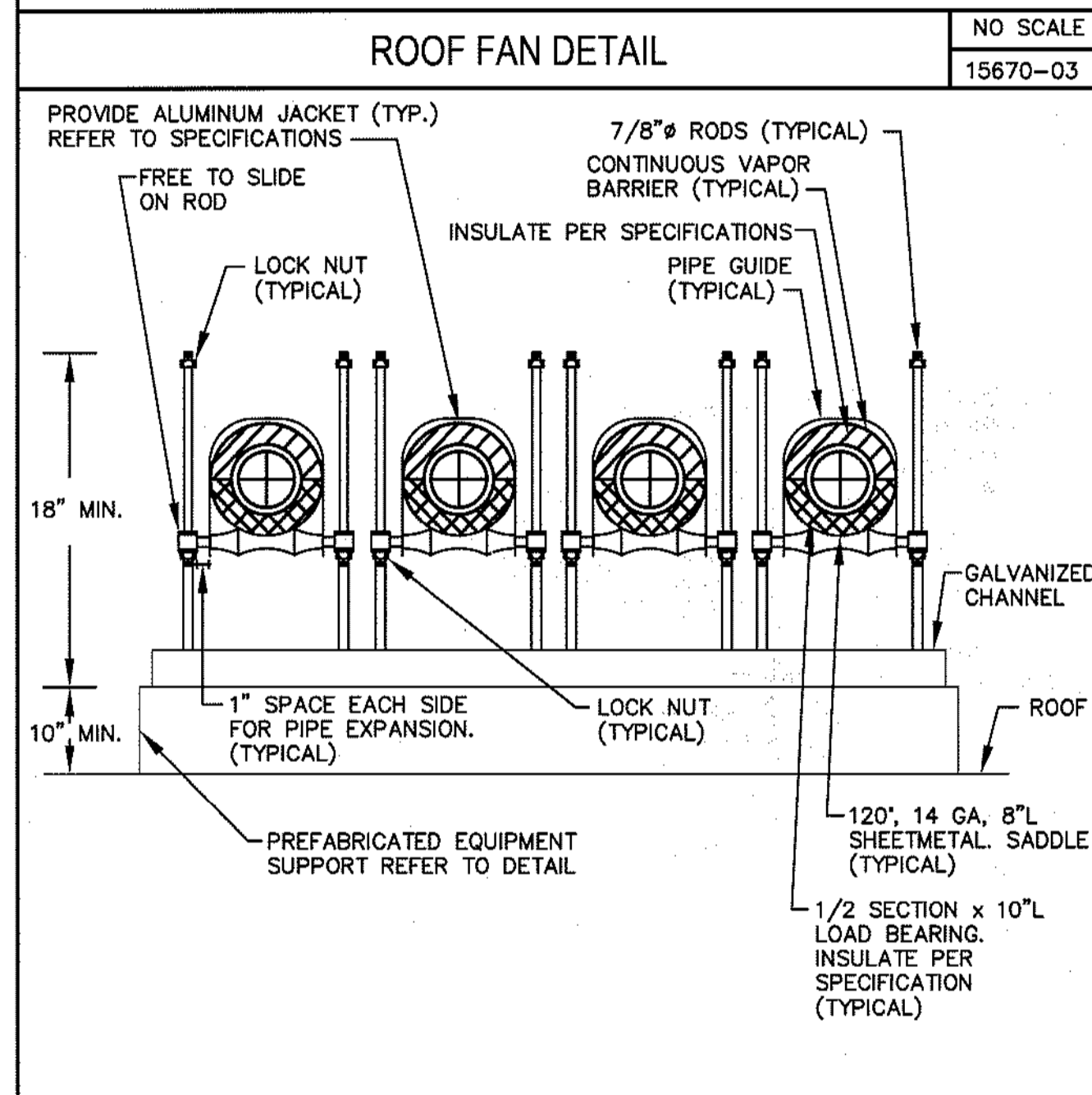
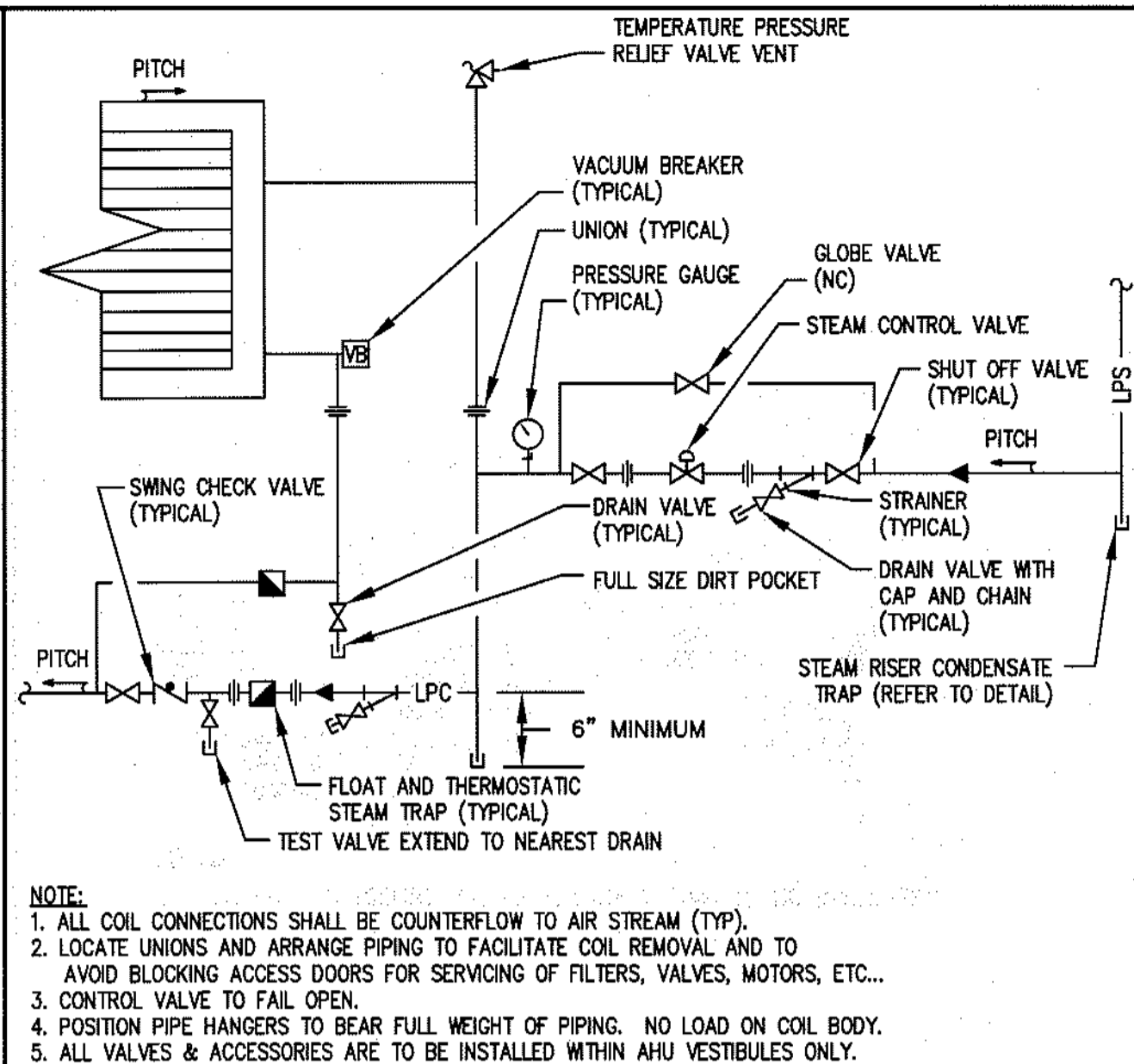
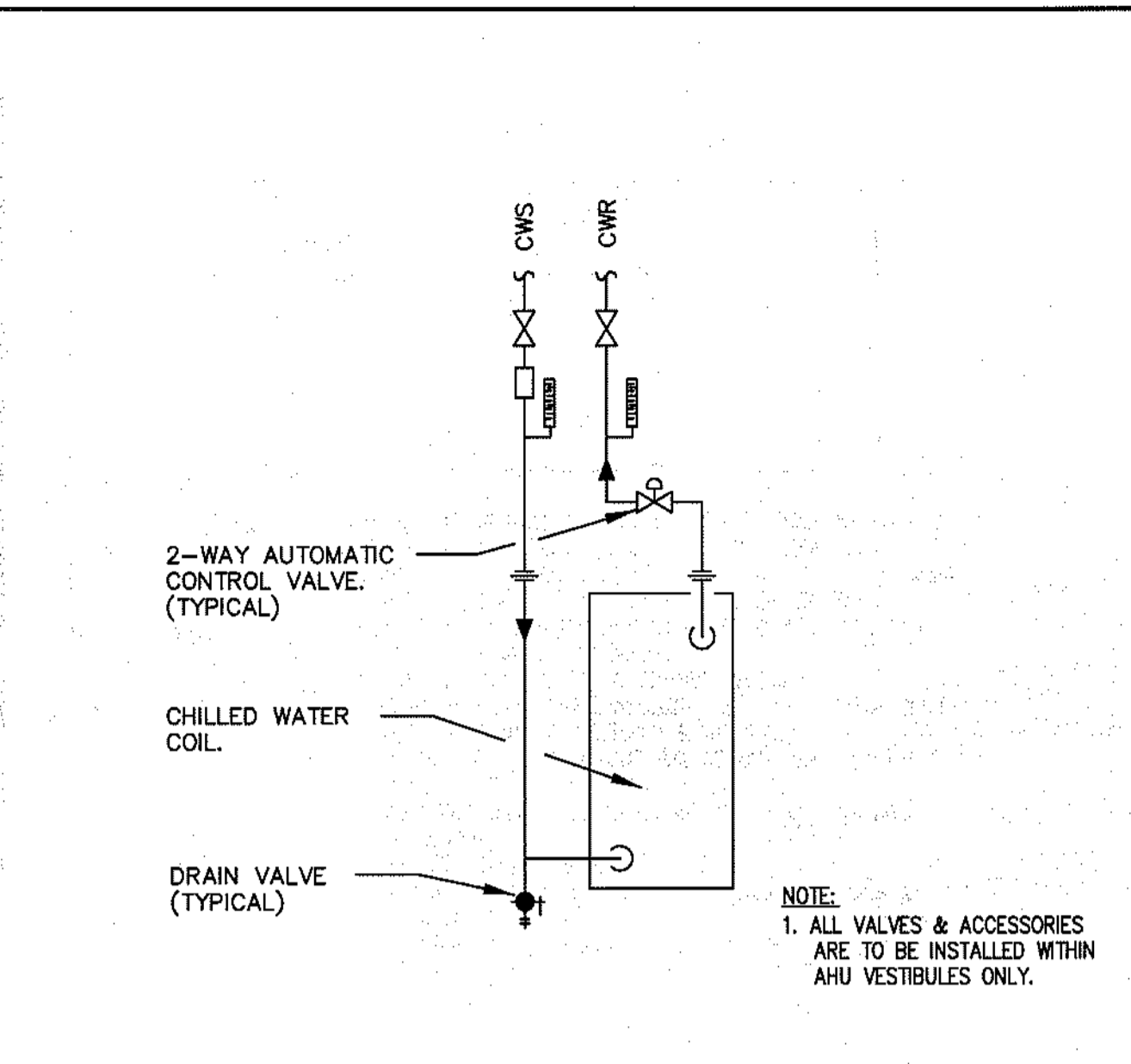
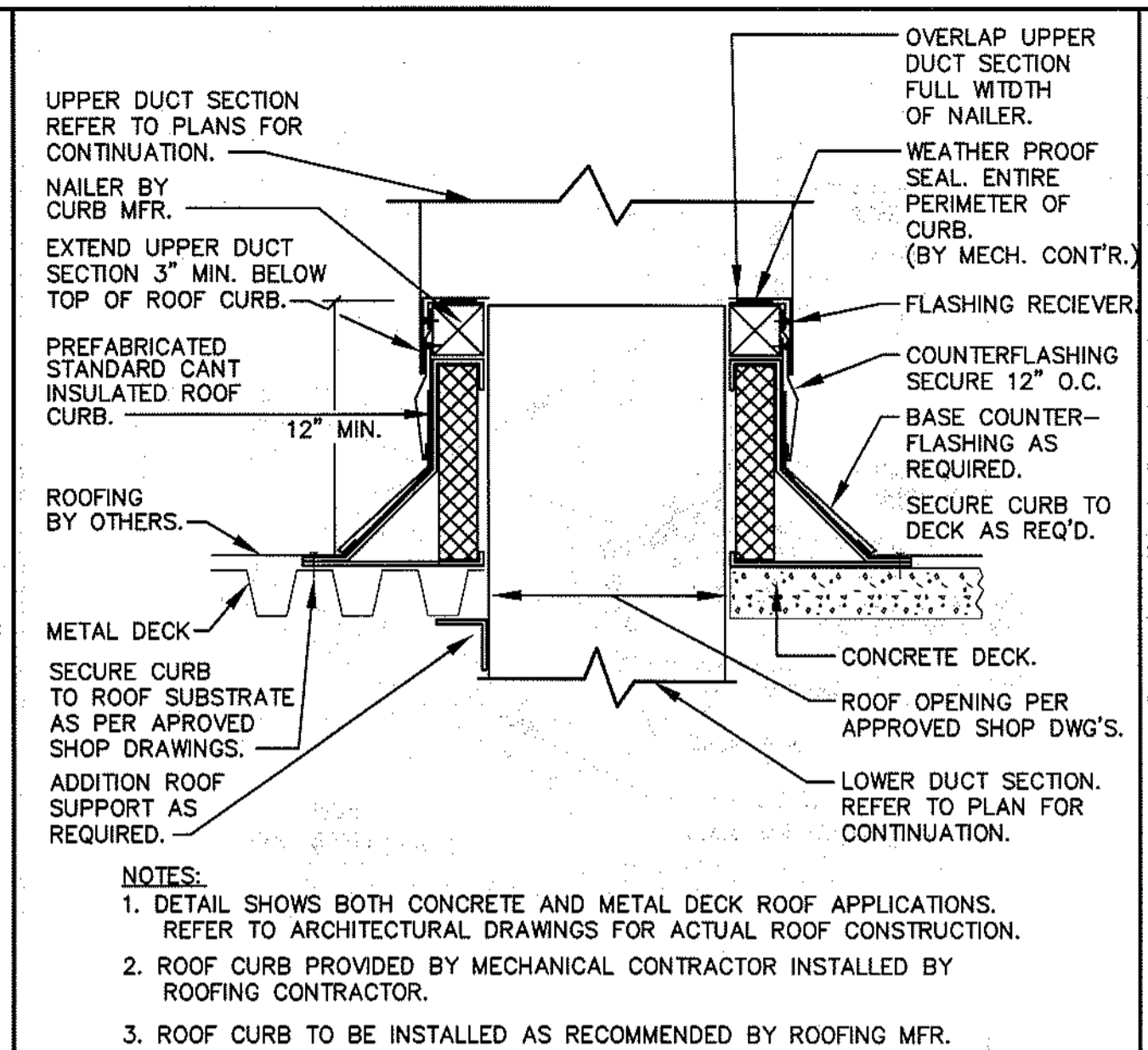
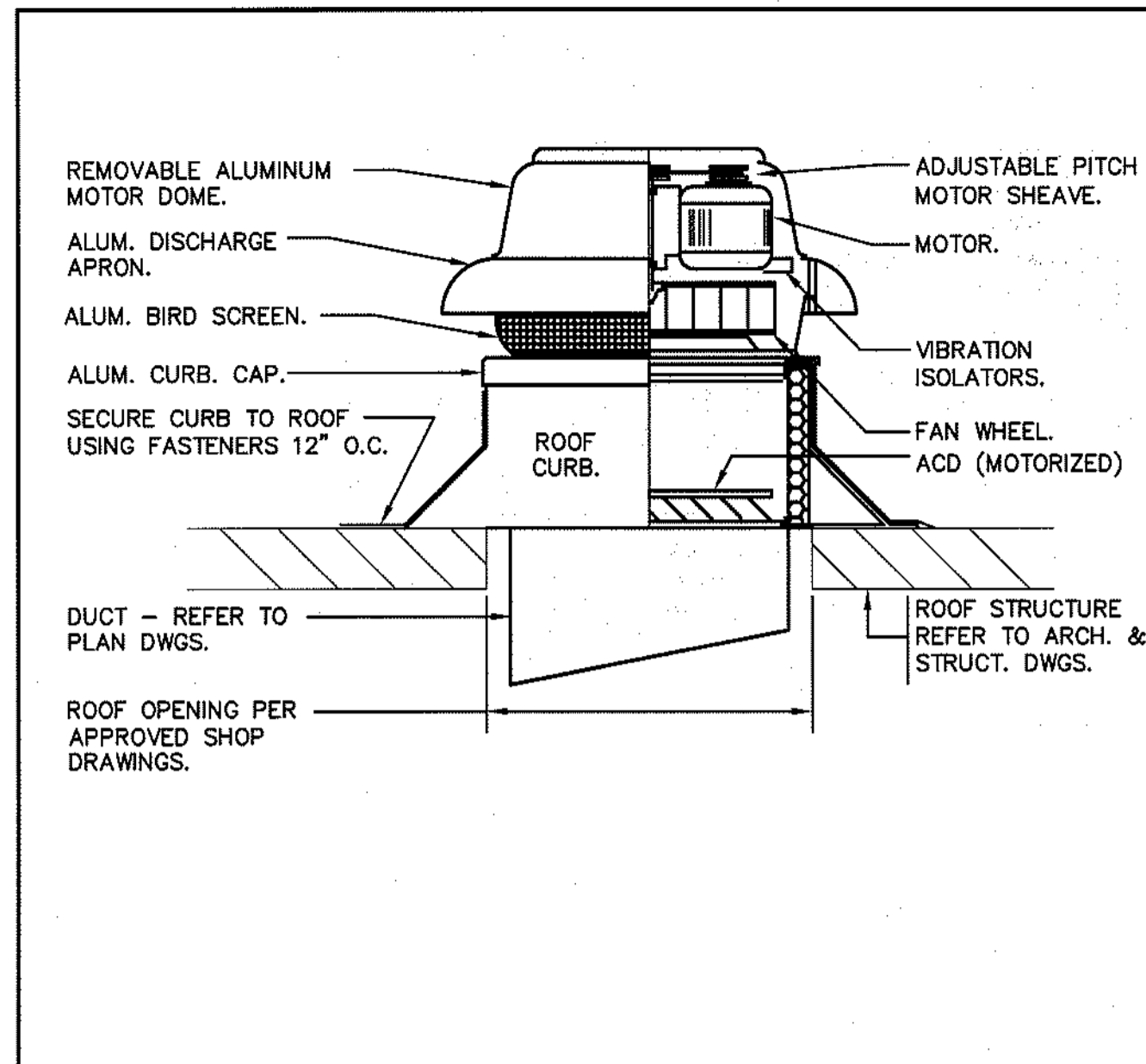
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SIXTH FLOOR PAVILIONS
"A" & "C" MECHANICAL
DETAILS II
3M4.1

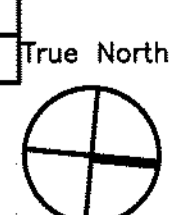


AIR HANDLER SPRING ACOUSTICAL CURB DETAIL - SECTION NO SCALE 15676-08

PIPING ROOF PENETRATION DETAIL NO SCALE 15617-09

VIBRATION ISOLATOR DETAIL NO SCALE 15607-01

PRE-FABRICATED EQUIPMENT SUPPORT DETAIL NO SCALE 15676-05



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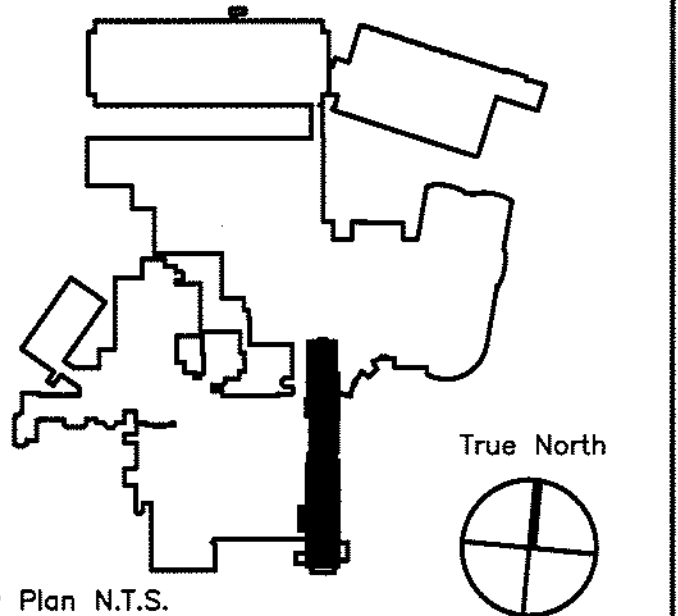
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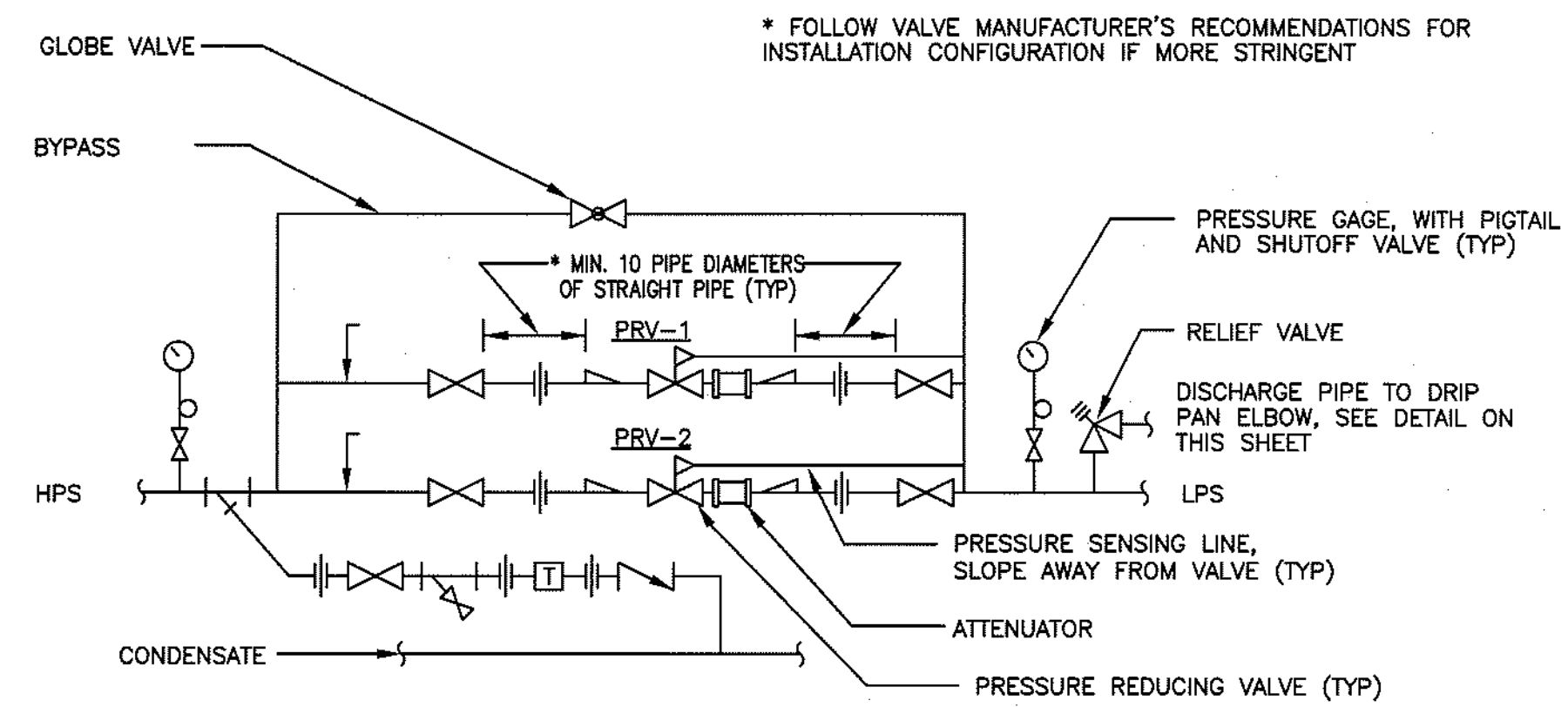
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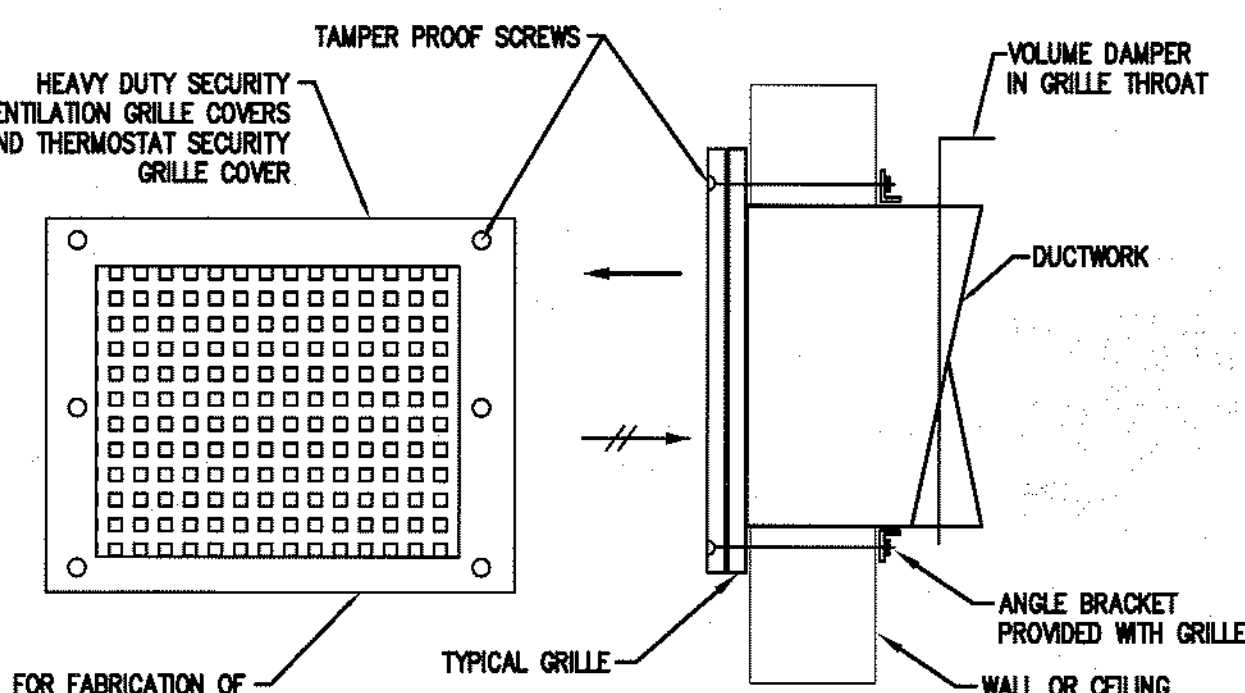
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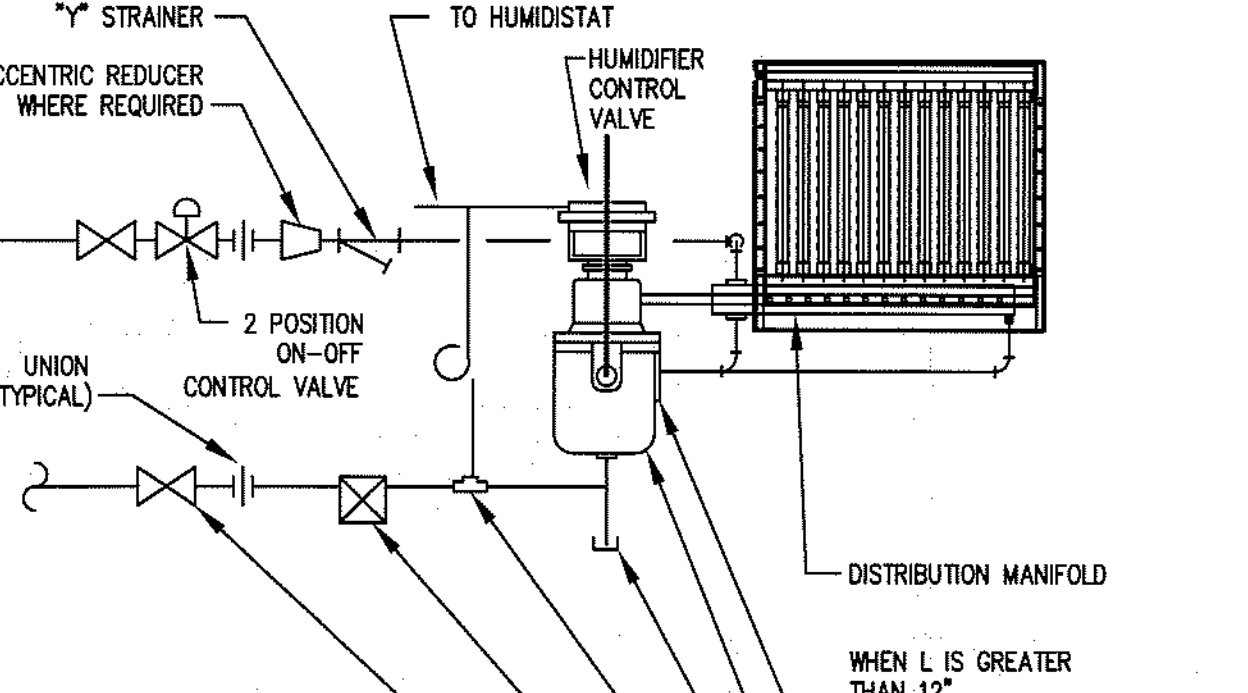
SIXTH FLOOR PAVILIONS
"A" & "C" MECHANICAL
DETAILS III
3M4.2



STEAM PRESSURE REDUCING STATION DETAIL

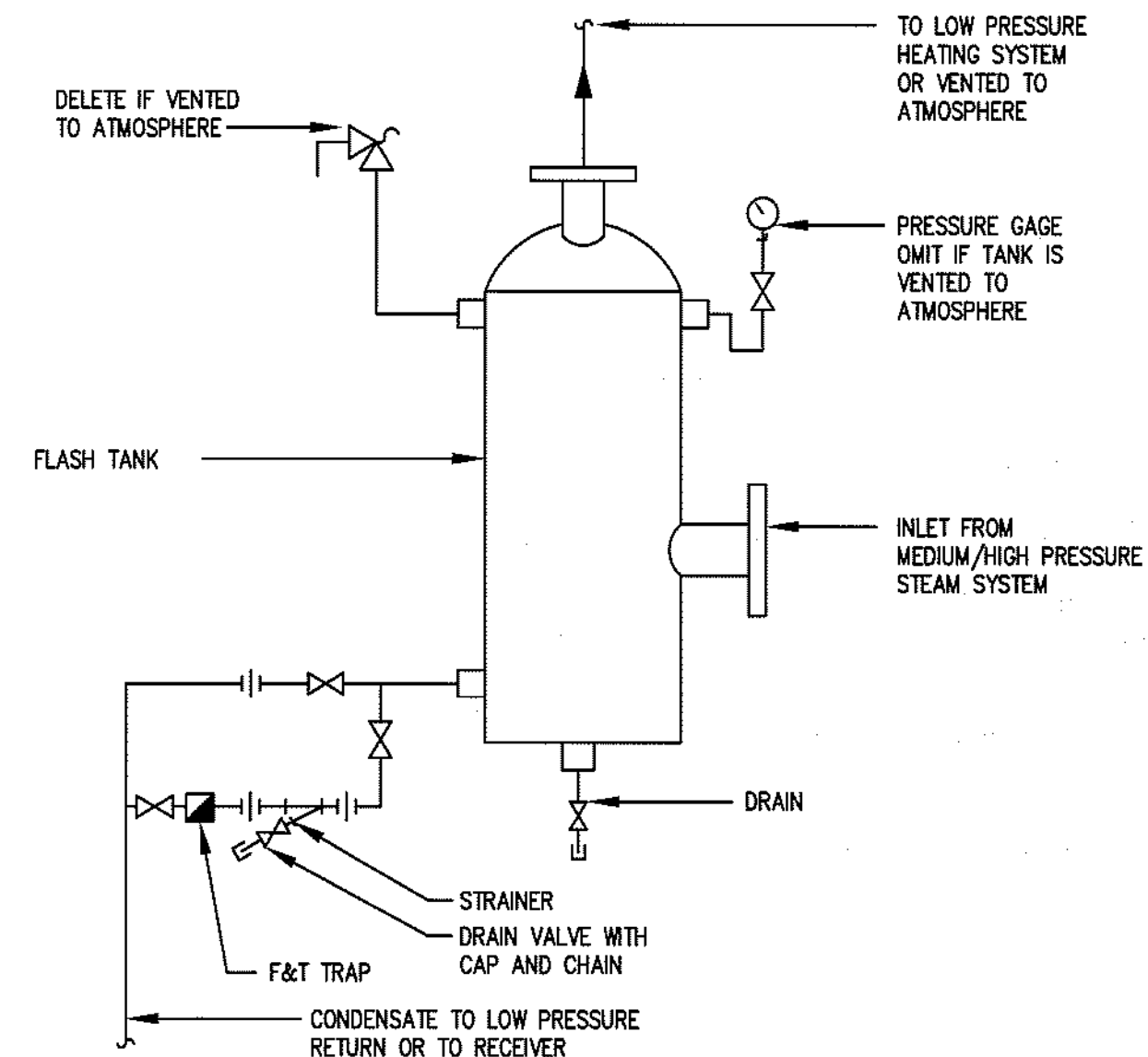


HIGH SECURITY GRILLE AND THERMOSTAT COVER DETAIL

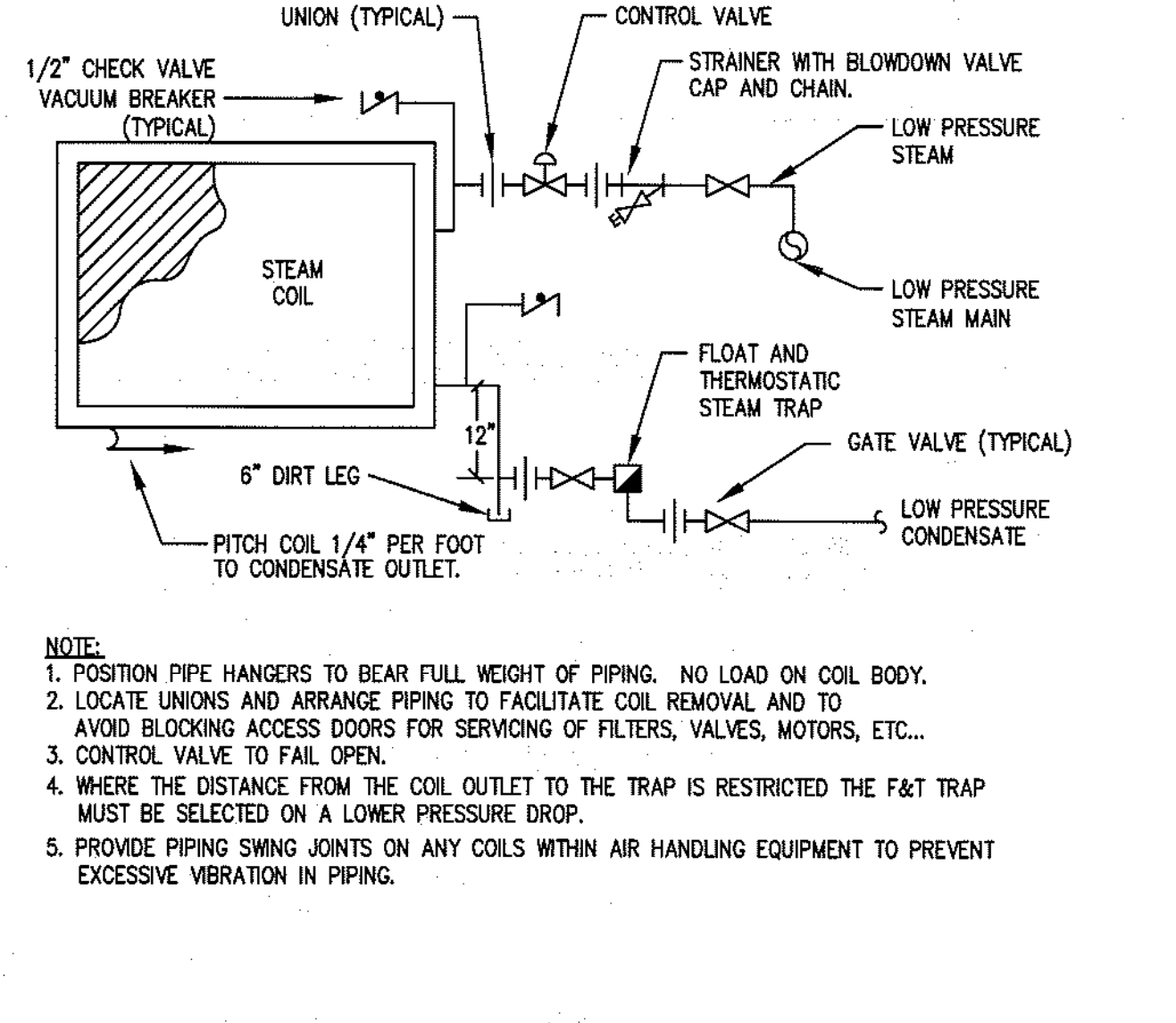


HUMIDIFIER DETAIL

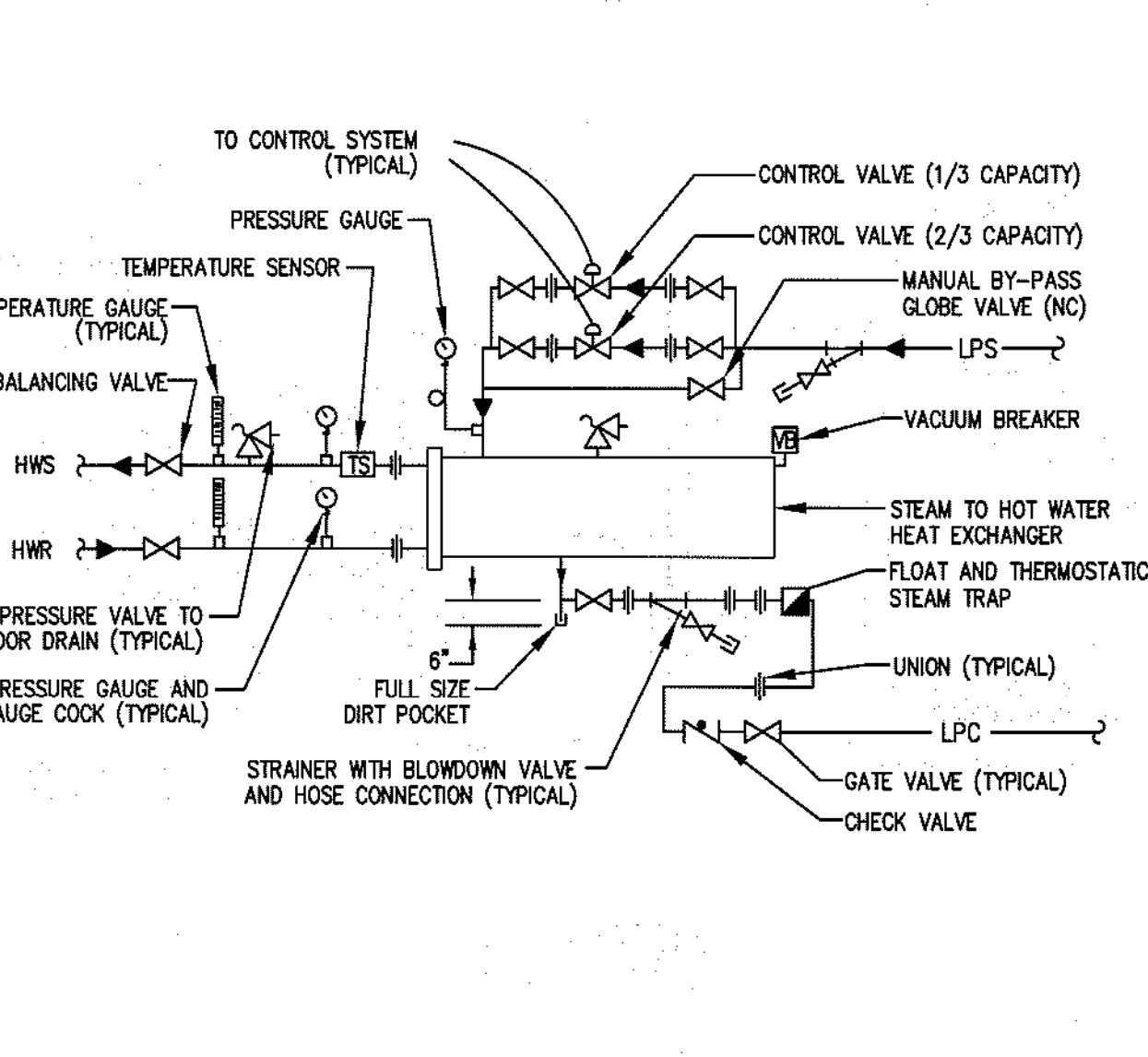
MANIFOLD LENGTH		"L"
MIN.	MAX.	"L"
8"	14"	12"
15"	20"	18"
21"	30"	24"
31"	42"	36"
43"	52"	48"
53"	64"	60"
65"	76"	72"



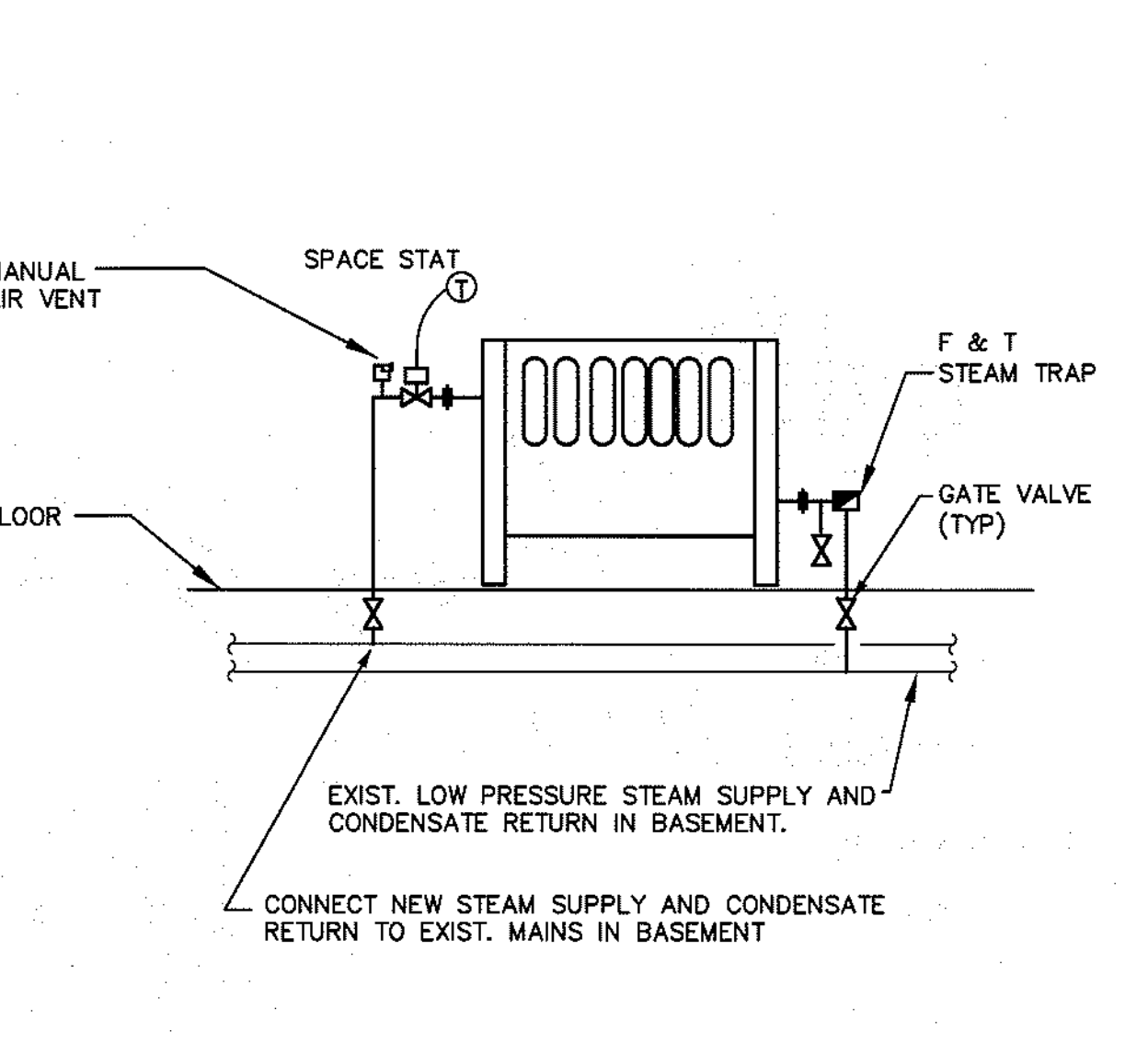
VERTICAL FLASH TANK PIPING SCHEMATIC



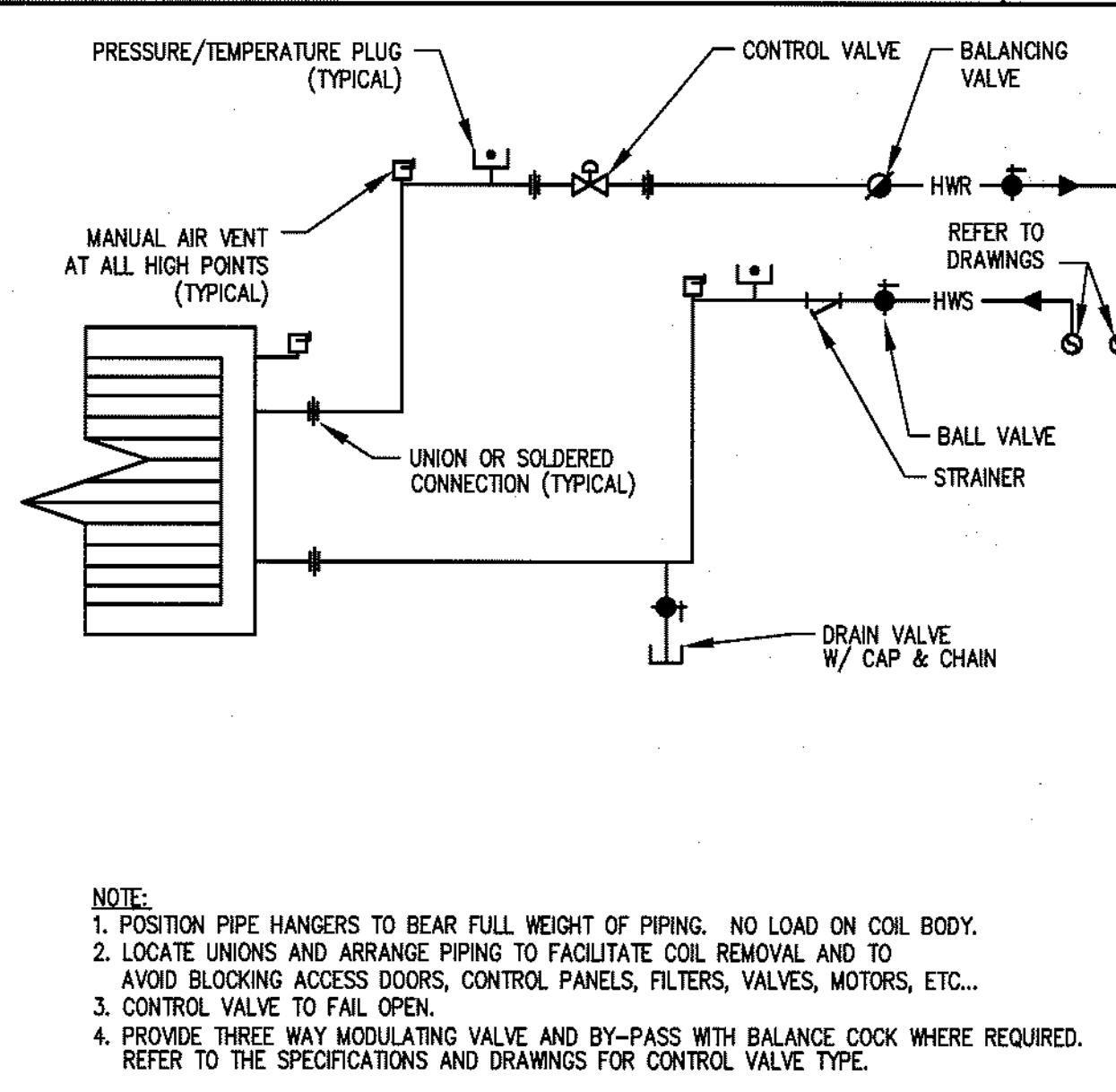
TERMINAL STEAM COIL PIPING SCHEMATIC



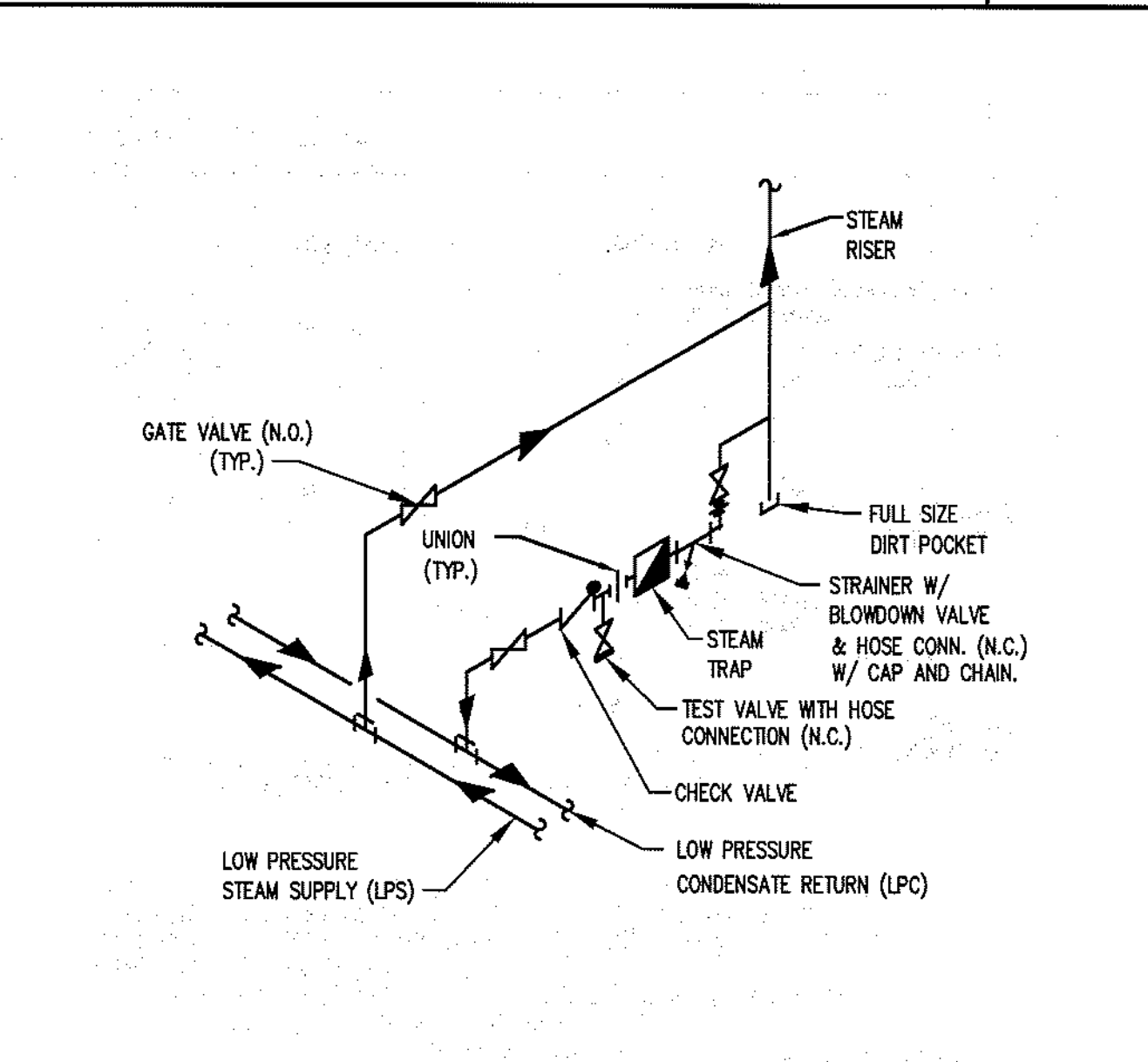
STEAM TO HOT WATER HEAT EXCHANGER PIPING



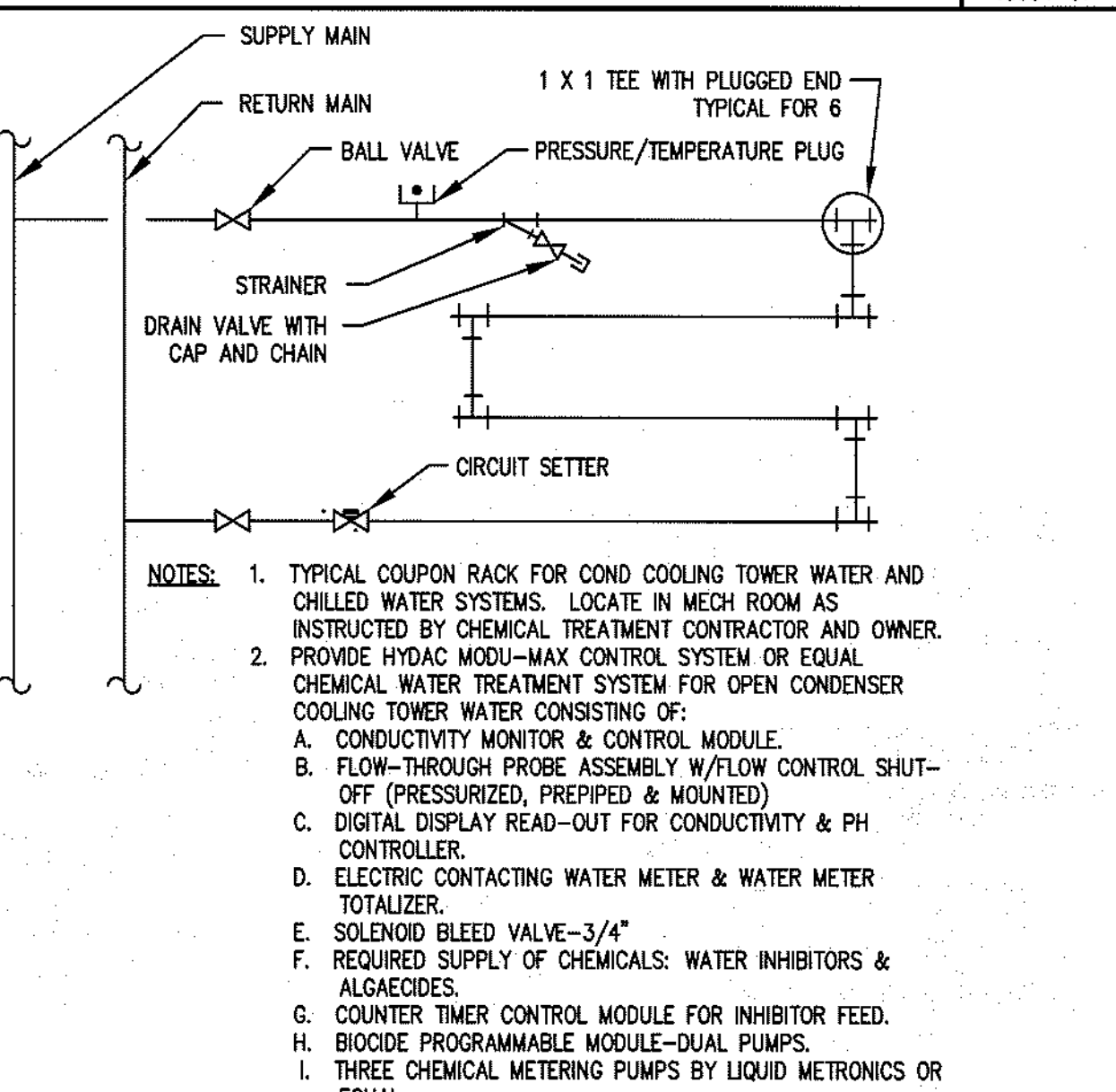
STEAM RADIATOR DETAIL



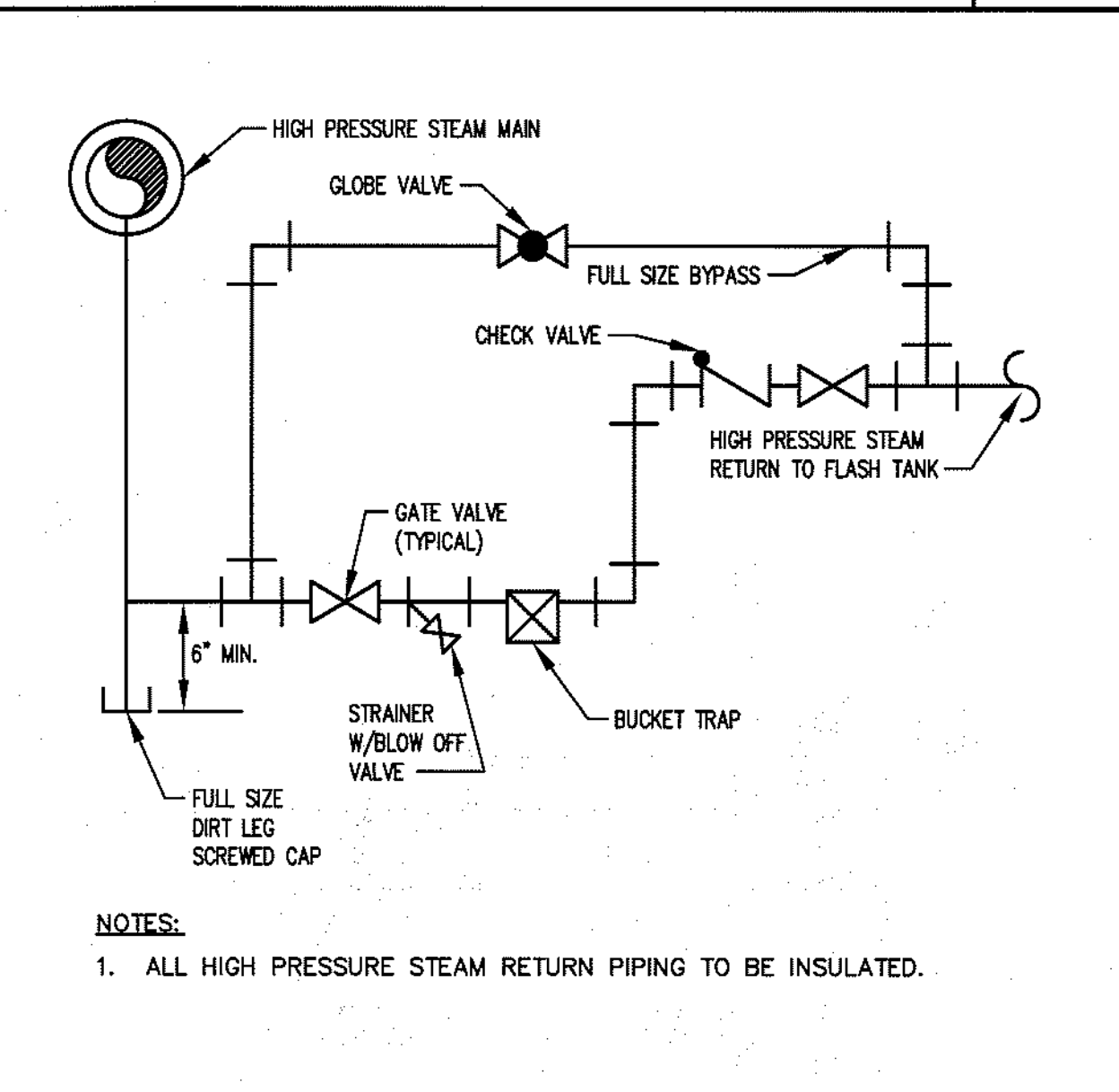
TERMINAL HOT WATER COIL PIPING SCHEMATIC



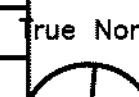
STEAM RISER CONDENSATE TRAP PIPING SCHEMATIC



CHEMICAL TREATMENT & COUPON RACK DETAIL



HIGH PRESSURE STEAM DRIP AND TRAP



True North

Seals

BECKER
structural engineers, inc.

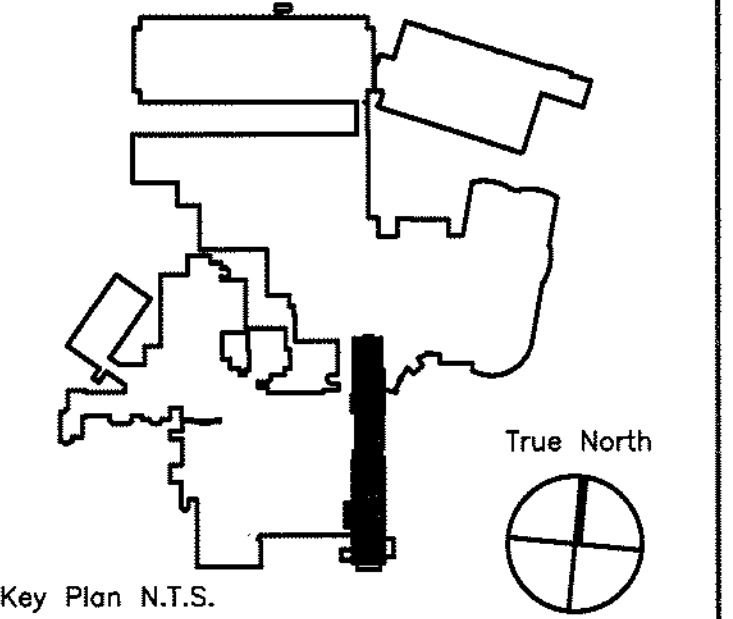
75 York Street Portland, ME 04101-4701
info@beckerstructural.com
207-879-1838
207-879-1822
www.beckerstructural.com

Consultant

MECHANICAL / ELECTRICAL ENGINEERS
92 Montvale Ave, Suite 4100
Stoneham, MA 02180
Tel: 781-481-0210
Fax: 781-481-0213
email: info@f-l.com
www.f-l.com
Project No.: 09018.00

FITZMEYER & TOCCI
ASSOCIATES, INC.

Consultant



Key Plan N.T.S.

Revision	Date	No

Revision Date No

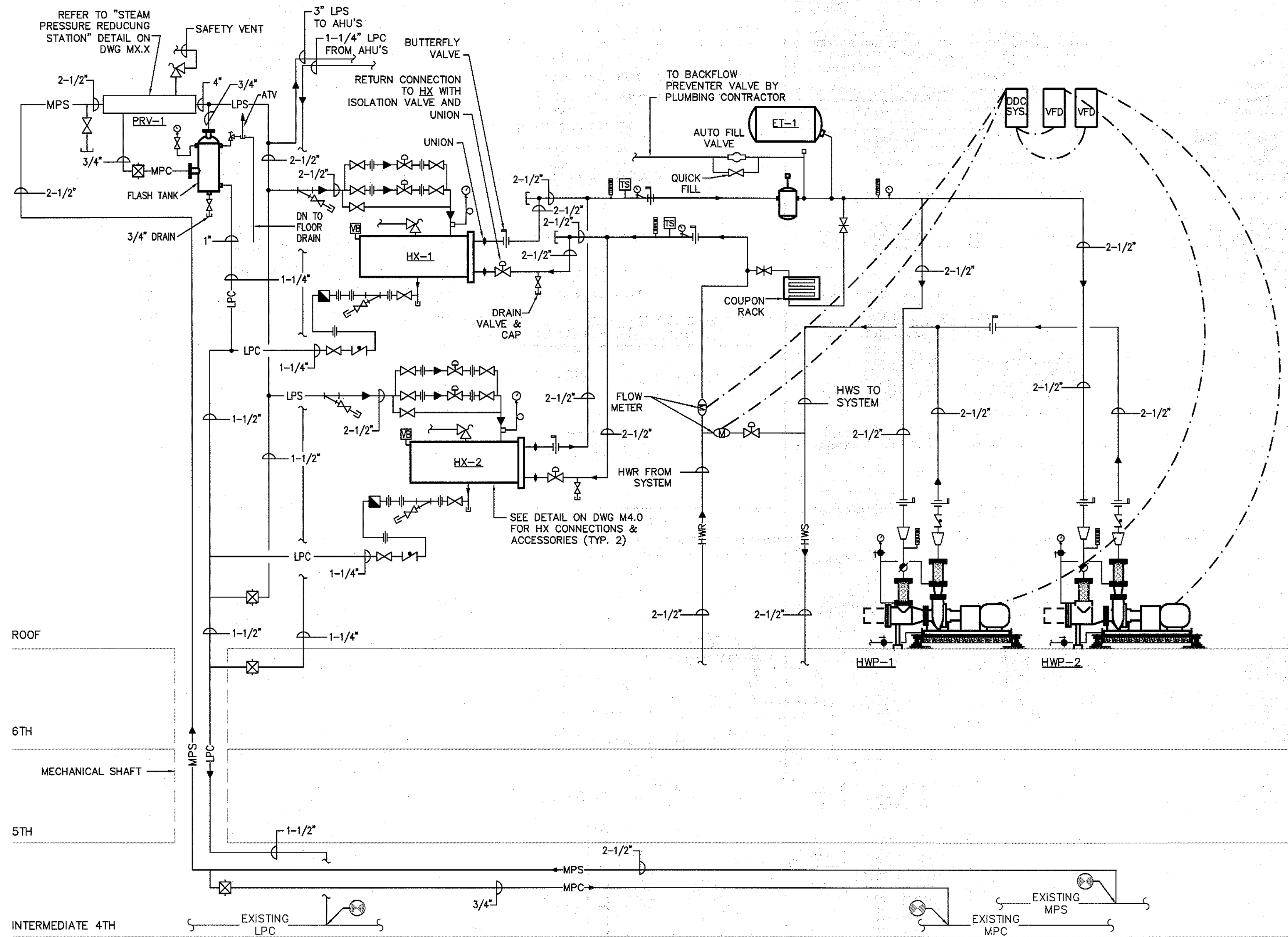


Maine Medical Center
Portland, Maine

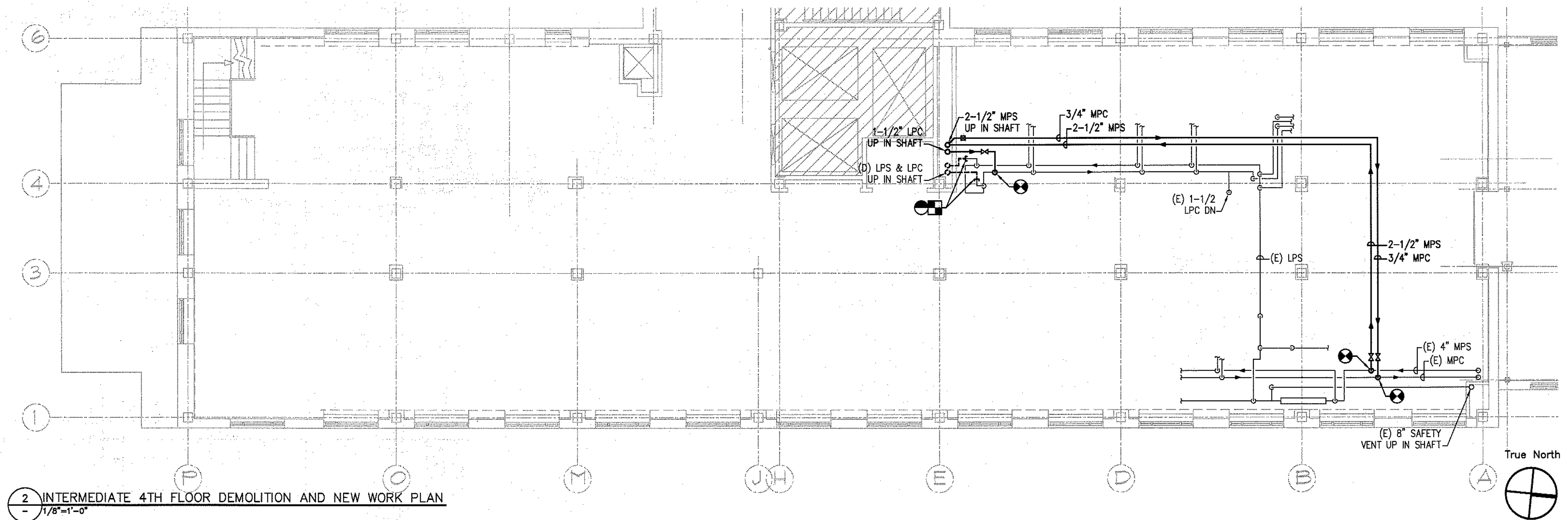
MAINE MEDICAL CENTER
PAVILION 6 RENOVATIONS

MorrisSwitzer Project Number 28034
Date 11/19/09
Scale N.T.S.
Sheet Title and Number

MECHANICAL HYDRONIC SCHEMATIC & INTER. 4th/5th FLOOR PLAN
3M5.0



1 HYDRONIC SCHEMATIC
N.T.S.



2 INTERMEDIATE 4TH FLOOR DEMOLITION AND NEW WORK PLAN
1/8"=1'-0"