



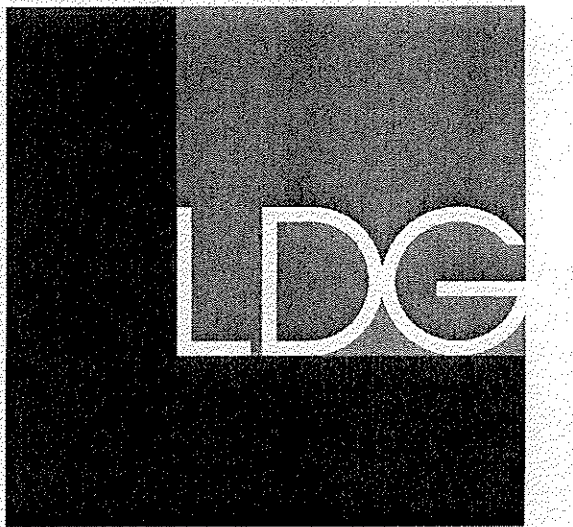
AS-IS  
EXPANSION

STORE NUMBER: 1347

6-7 DUPONT CIRCLE  
WASHINGTON, DC 20036

PROJECT TYPE: EXPANSION  
DEAL TYPE: EXPANSION

CS PROJECT NUMBER: 77894



Larson Design Group

1000 Commerce Park Drive  
Suite 201  
Williamsport, PA 17701

Phone: 570.323.6603

Fax: 570.323.9902

www.larsondesigngroup.com

ARCHITECTS ENGINEERS SURVEYORS

CONSULTANT:

SEAL:

AUG 05 2014

DEVELOPER:

CVS REALTY COMPANY  
ONE CVS DRIVE  
WOONSOCKET, RI 02895  
TEL: (401) 765-1500

REVISIONS:

DRAWING BY: JRY

DATE: 14 JAN 2014

JOB NUMBER: 6312-269

TITLE:

EXTERIOR ELEVATIONS

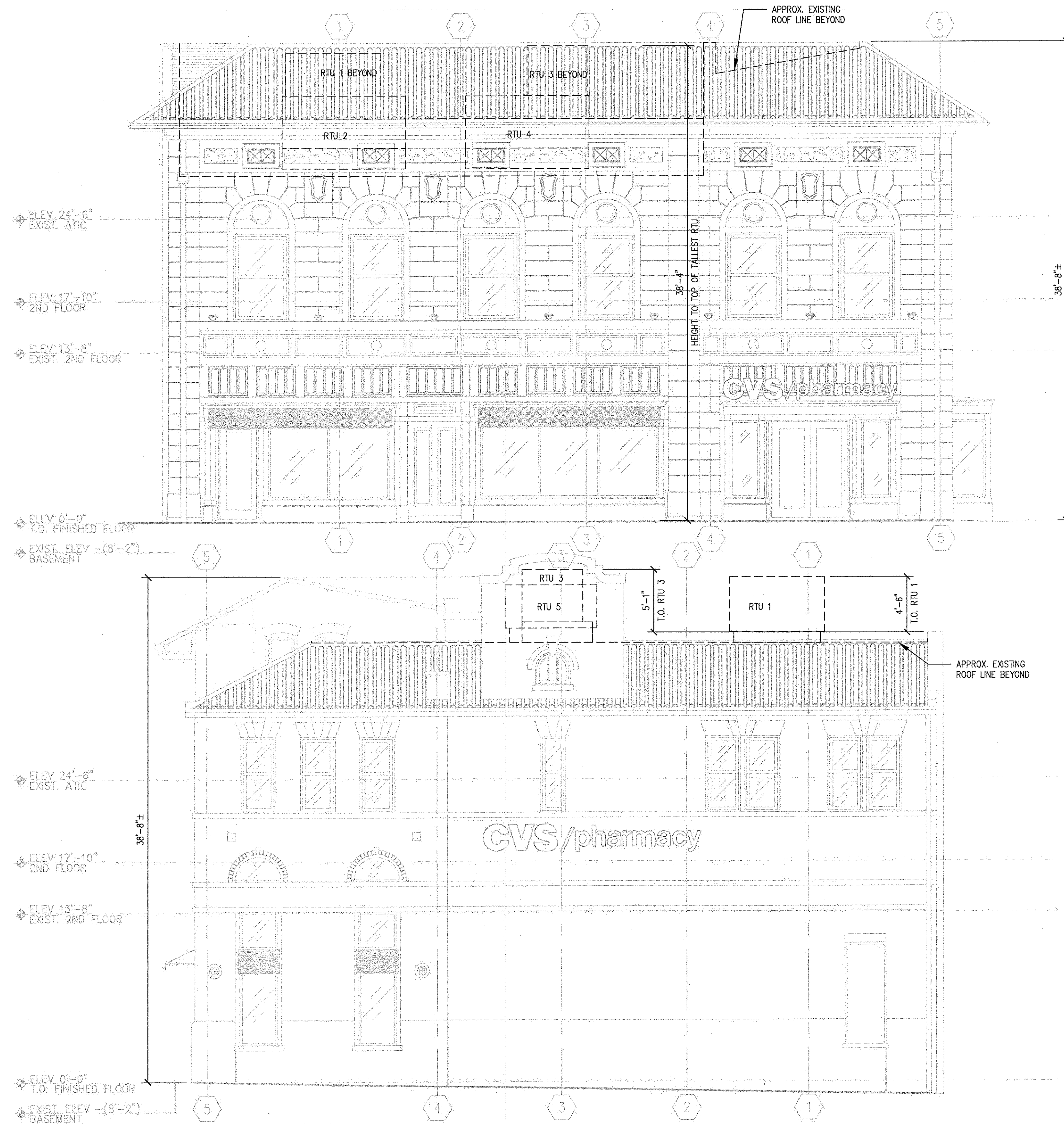
SHEET NUMBER:

A-4.0

COMMENTS:

PERMIT SET

City of Zoning Adjustment  
CASE NO. 18887  
EXHIBIT NO. 5



1 DUPONT CIRCLE ELEVATION  
A-4.0 SCALE: 3/16" = 1'-0"

2 TWENTIETH STREET ELEVATION  
A-4.0 SCALE: 3/16" = 1'-0"

ALL DIMENSIONS AND EXISTING  
CONDITIONS SHALL BE CHECKED &  
VERIFIED BY G.C. AT THE SITE.



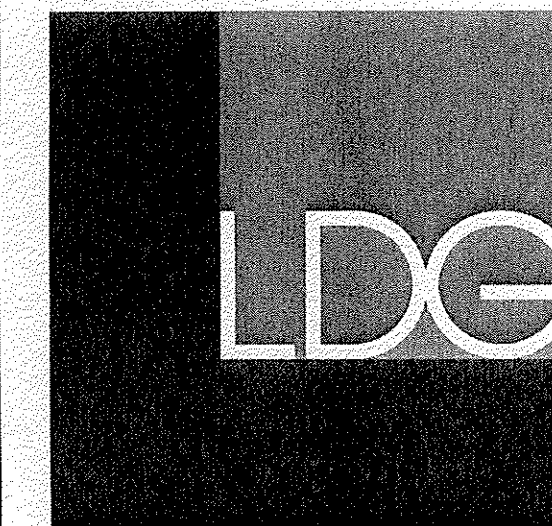
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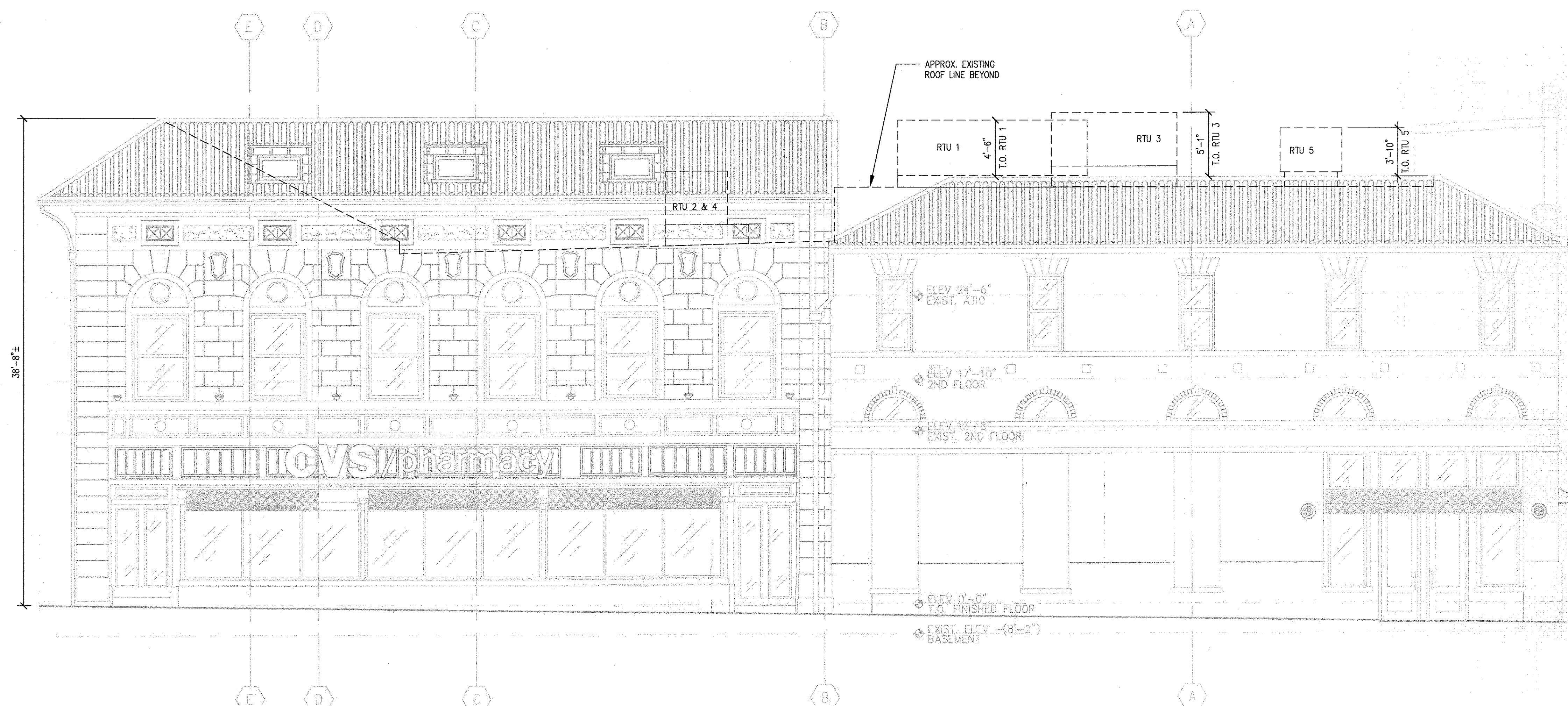
EXTERIOR ELEVATIONS

SHEET NUMBER:

A-4.0A

COMMENTS:

PERMIT SET



1 P STREET ELEVATION  
A-4.0A SCALE: 3/16" = 1'-0"

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REVISIONS:

07/11/14 ROTATED UNITS TO CORRECT ORIENTATION

DRAWING BY: JRY

DATE: 14 JAN 2014

JOB NUMBER: 6312-269

TITLE:

MECHANICAL PLAN  
& NOTES

SHEET NUMBER:

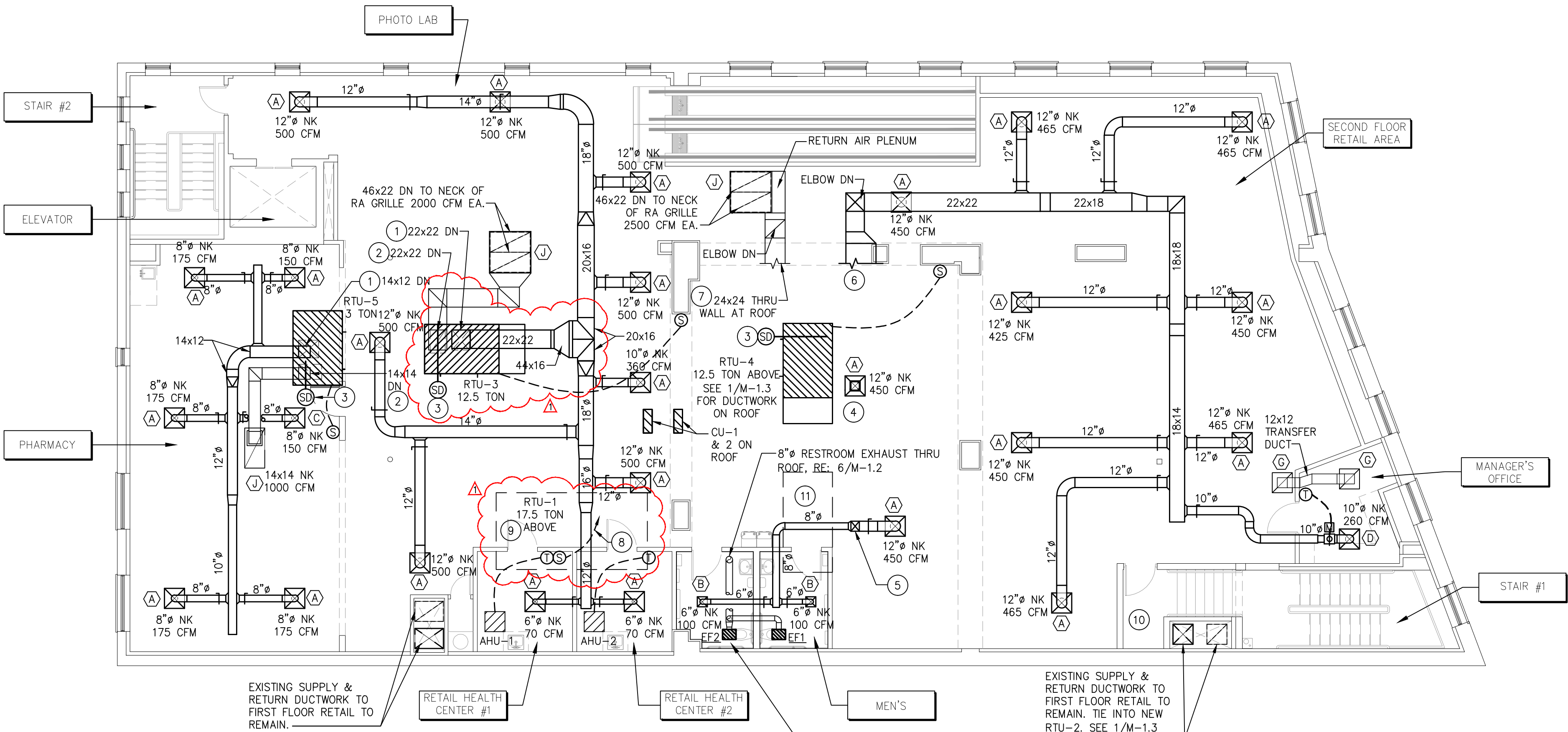
M-1.1

COMMENTS:

PERMIT SET

NOTES BY SYMBOL # (SHEET M-1.1 ONLY)

- SUPPLY AIR DUCT. TRANSITION DOWN FROM UNIT AS REQUIRED IN THE VERTICAL TO RECTANGULAR ELBOW. SMOOTH RADIUS WITH TWO TURNING VANES. REFER TO SMACNA HVAC SYSTEM DUCT DESIGN PG. 14.21, EXAMPLE "G", AND SMACNA DUCT CONSTRUCTION STANDARDS PG. 2.3, FIGURE 2-2, TYPE RE 3 RADIUS ELBOW WITH VANES.
- RETURN AIR DUCT. TRANSITION DOWN FROM UNIT AS REQUIRED IN THE VERTICAL TO RECTANGULAR ELBOW. SMOOTH RADIUS WITH TWO TURNING VANES. REFER TO SMACNA HVAC SYSTEM DUCT DESIGN PG. 14.20, EXAMPLE "F", AND SMACNA DUCT CONSTRUCTION STANDARDS PG. 2.3, FIGURE 2-2, TYPE RE 1 RADIUS ELBOW WITH VANES.
- DUCT SMOKE DETECTORS SHALL BE ACCESSIBLE FOR CLEANING AND MOUNTED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. DUCT SMOKE DETECTORS REQUIRE A REMOTE L.E.D. INDICATOR THROUGH THE CEILING. ACCESS DOORS AND/OR PANELS SHALL BE PROVIDED IN ACCORDANCE WITH N.F.P.A. 90A. THE LOCATION OF ALL DETECTORS SHALL BE PERMANENTLY AND CLEARLY IDENTIFIED AND RECORDED.
- TRANSITION 10x10 DUCT DROP FROM ABOVE TO 12"Ø NK OF DIFFUSER. PROVIDE WITH MANUAL VOLUME DAMPER. SEE 1/M-1.3 FOR CONTINUATION ON ROOF.
- 12x10 SUPPLY AIR DUCT DROP FROM ABOVE WITH END CAP. PROVIDE 12"Ø TAKEOFF WITH MANUAL VOLUME DAMPER TO DIFFUSER & 8"Ø TAKEOFF FROM DUCTWORK TO RESTROOMS. FIELD VERIFY DROP LOCATION & ROUTING OF DUCTWORK. SEE 1/M-1.3 FOR CONTINUATION ON ROOF.
- 36x12 SUPPLY AIR DUCTWORK THRU WALL AT ROOF, REDUCED DOWN TO 22x22. SEE 1/M-1.3 FOR CONTINUATION.
- 24x24 RETURN AIR DUCTWORK THRU WALL AT ROOF. SEE 1/M-1.3 FOR CONTINUATION.
- SENSOR TO BE LOCATED IN RHC #1 ONLY. CONNECT TO EMS SYSTEM.
- M.C. SHALL TRANSITION FROM EXISTING DUCTWORK TO NEW ROOFTOP UNIT, RTU-1. EXISTING DUCTWORK TO SHAFT & TO FIRST FLOOR SHALL REMAIN.
- M.C. SHALL REMOVE EXISTING HVAC DUCTWORK FROM EXISTING RTU-2 ABOVE CEILING TO SHAFT AREA. CONNECT NEW DUCTWORK FROM NEW RTU-2 AT SHAFT AREA. SEE 1/M-1.3 FOR NEW DUCTWORK ON ROOF.
- RTU-2, 12.5 TON UNIT ABOVE. SEE 1/M-1.3 FOR DUCTWORK ON ROOF.



1 HVAC SECOND FLOOR PLAN  
M-1.1 SCALE: 1/8"=1'-0"



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## PACKAGED ROOFTOP UNIT SCHEDULE (NATURAL GAS)

| MARK  | AREA SERVED                  | CFM  | OA CFM | ESP IN WC | MAX HP | NET COOLING CAPACITY (MBH) |          |      | NET HEATING CAPACITY (MBH) |        |        | EFF % | MAX/MIN PRESSURE | UNIT WT (LBS) | MODEL | ELECTRICAL       |         |      | REMARKS |            |
|-------|------------------------------|------|--------|-----------|--------|----------------------------|----------|------|----------------------------|--------|--------|-------|------------------|---------------|-------|------------------|---------|------|---------|------------|
|       |                              |      |        |           |        | TOTAL                      | SENSIBLE | EER  | INPUT                      | OUTPUT | EAT °F |       |                  |               |       | LAT °F           | VOLT    | MCA  |         | MFS        |
| RTU-1 | FIRST FLOOR REAIL            | 7000 | —      | 0.6       | 7.5    | 210.2                      | 154.9    | 12.1 | 300                        | 240    | 60.0   | 91.7  | 80               | 4.5-10.5      | 1470  | YORK ZJ210N24S2K | 208V/3ø | 91.4 | 110     | ①③④⑤⑥⑦⑧⑨⑫⑮ |
| RTU-2 | FIRST FLOOR RETAIL, CHECKOUT | 5000 | —      | 0.6       | 5.0    | 170.8                      | 121.3    | 12.0 | 180                        | 144    | 60.0   | 86.7  | 80               | 4.5-10.5      | 1470  | YORK ZJ150N15P2K | 208V/3ø | 73.2 | 90      | ①③④⑤⑥⑦⑧⑩⑮  |
| RTU-3 | SECOND FLOOR RETAIL          | 4000 | 1160   | 0.6       | 5.0    | 170.8                      | 121.3    | 12.0 | 240                        | 192    | 60.0   | 95.6  | 80               | 4.5-10.5      | 1480  | YORK ZJ150N20P2K | 208V/3ø | 73.2 | 90      | ①③④⑥⑦⑧⑩⑪⑮  |
| RTU-4 | SECOND FLOOR RETAIL          | 5000 | 750    | 0.6       | 5.0    | 170.8                      | 121.3    | 12.0 | 180                        | 144    | 60.0   | 86.7  | 80               | 4.5-10.5      | 1470  | YORK ZJ150N15P2K | 208V/3ø | 73.2 | 90      | ①③④⑥⑦⑧⑩⑪⑮  |
| RTU-5 | PHARMACY                     | 1000 | 300    | 0.6       | 1.5    | 37.0                       | 26.8     | 12.2 | 60                         | 49     | 60.0   | 110.2 | 80               | 4.5-10.5      | 920   | YORK ZJ037N07B2K | 208V/3ø | 18.4 | 25      | ①②③④⑥⑦⑧⑨⑪  |

① BURGLAR BARS ② FACTORY FABRICATED ROOF CURB ③ BAROMETRIC RELIEF DAMPER ④ ELECTRONIC OR HOT PLATE IGNITION  
⑤ FACTORY INSTALLED PHOTOELECTRIC SMOKE DETECTOR IN RETURN DUCT, COORDINATE WITH PROVIDER OF SIMPLEX ⑥ STARTER ⑦ DISPOSABLE 30/30 AIR FILTERS  
⑧ FACTORY INSTALLED PACKAGE WITH DISCONNECT SWITCH AND NON-POWERED DUPLEX 120v GFCI RECEPTACLE WITH WEATHERPROOF WHILE IN USE COVER. ⑨ HxWxD = 51"x89"x59" ⑩ HxWxD = 51"x120"x59"  
⑪ PROVIDE PHOTOELECTRIC SMOKE DETECTOR IN RETURN DUCT, COORDINATE WITH PROVIDER OF SIMPLEX ⑫ CONDENSER COIL TO BE COATED WITH TECHNICOAT 10-1  
⑬ CONDENSER COIL AND EVAPORATOR COIL TO BE COATED WITH TECHNICOAT 10-1 ⑭ HxWxD = 53"x181"x92" ⑮ ADAPTER CURB ⑯ HORIZONTAL DUCT DISCHARGE

## MOTORIZED DAMPER

| MARK | MANUFACTURER | MODEL NUMBER | DUCT DIAMETER | ELEC.     | WEIGHT | REMARKS |
|------|--------------|--------------|---------------|-----------|--------|---------|
| MD-1 | HONEYWELL    | ARD10        | 10"           | 115/60/1ø | 6 LBS. | ①②③     |

① FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. ② PROVIDE WHITE-RODGERS #90-T40F3 TRANSFORMER  
 ③ PROVIDE HONEYWELL TH5110D1006 THERMOSTAT W/ GUARD

## FANS

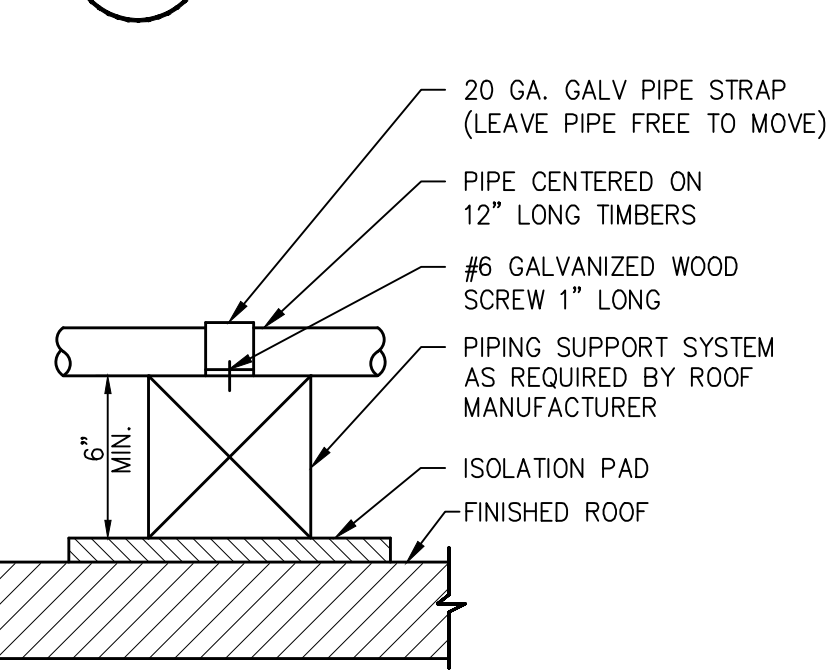
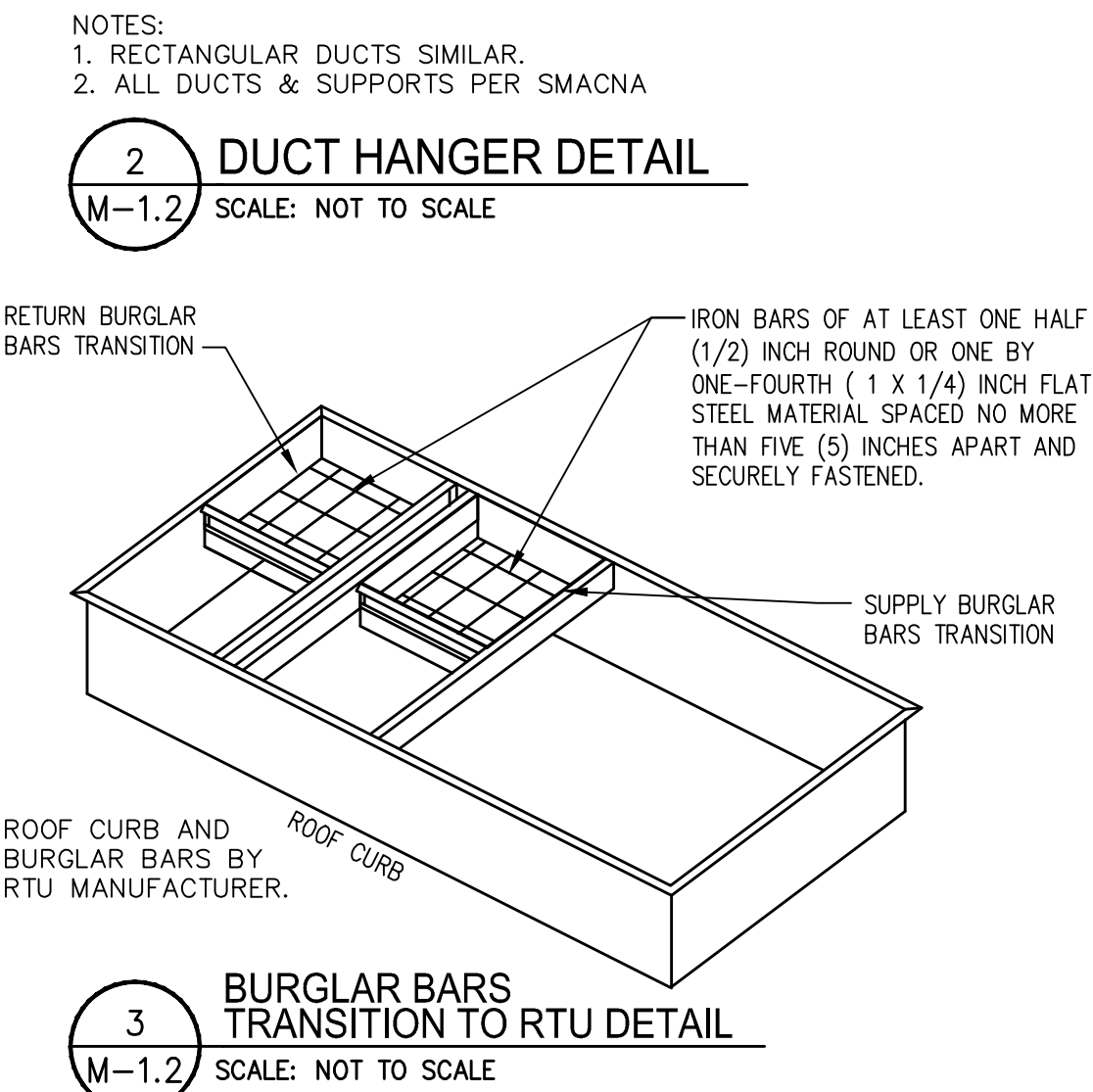
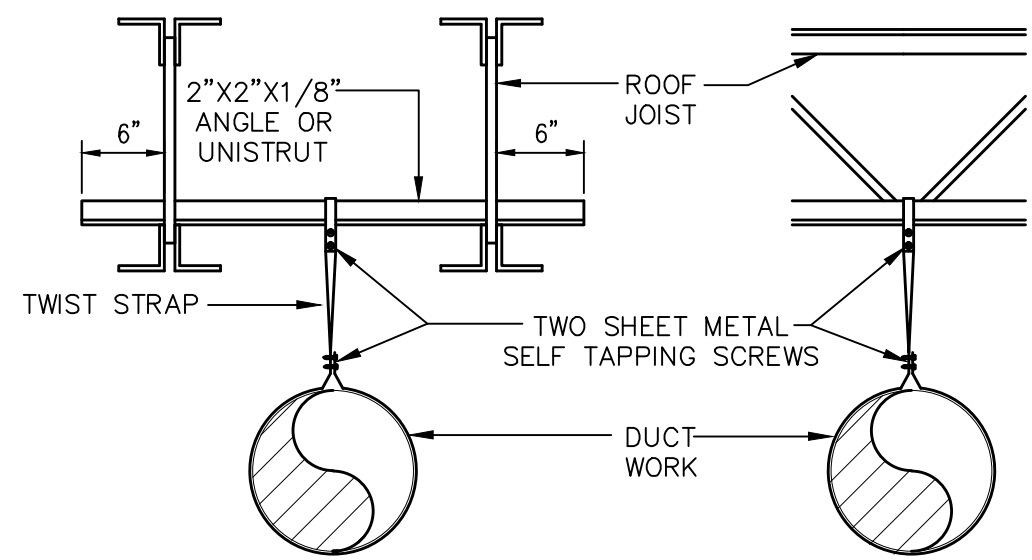
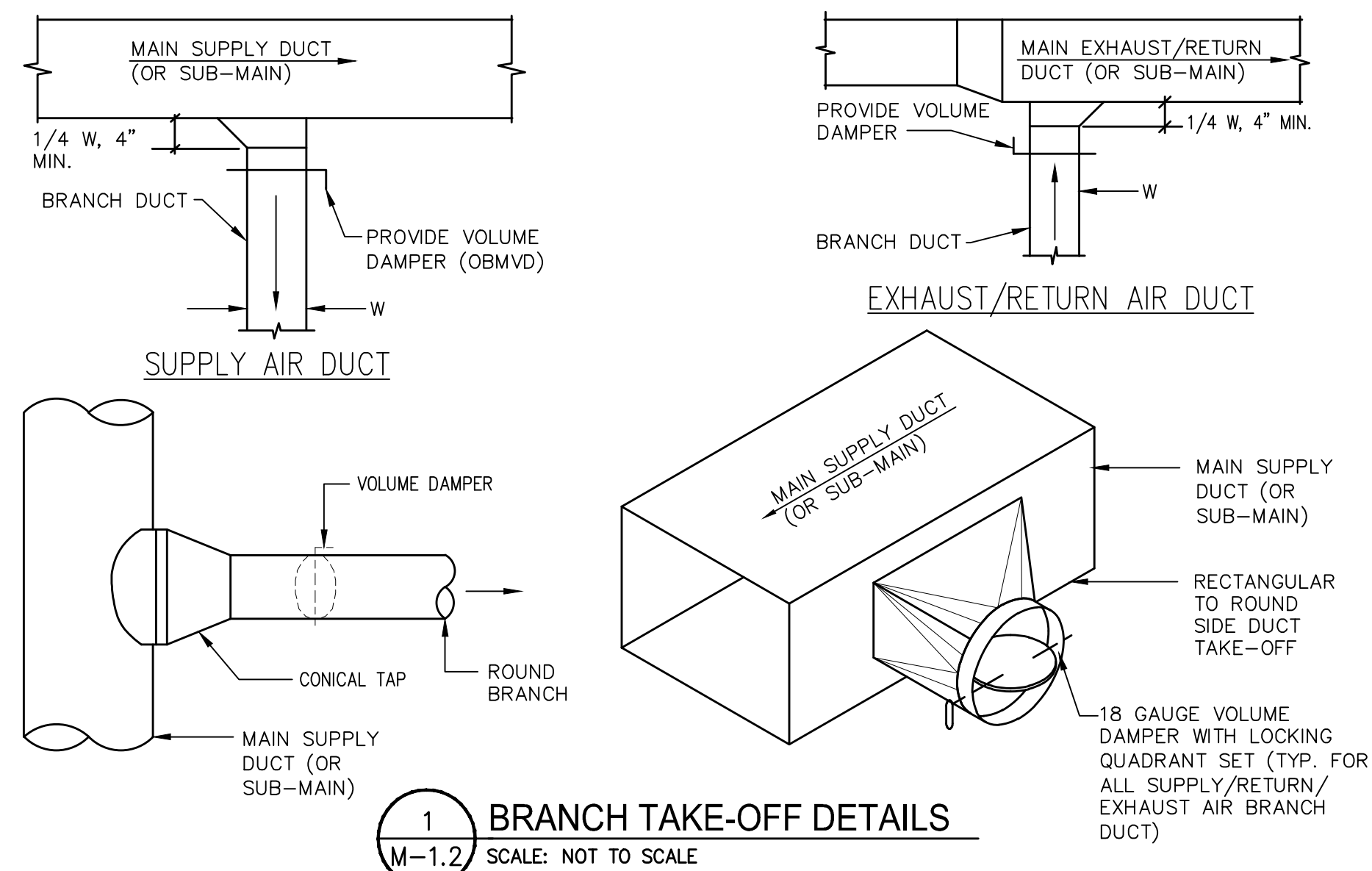
| MARK | SERVICE | LOCATION          | MANUFACTURER AND MODEL NO. | CFM | ESP S.P. | DRIVE TYPE | ELECTRICAL DATA |            | SONES | REMARKS |
|------|---------|-------------------|----------------------------|-----|----------|------------|-----------------|------------|-------|---------|
|      |         |                   |                            |     |          |            | HP              | VOLT/PHASE |       |         |
| EF-1 | EXHAUST | MEN'S RESTROOMS   | NUTONE QTEN110             | 120 | 0.1      | DIRECT     | ---             | 120/1/60   | 0.6   | 1.0 ① ② |
| EF-2 | EXHAUST | WOMEN'S RESTROOMS | NUTONE QTEN110             | 120 | 0.1      | DIRECT     | ---             | 120/1/60   | 0.6   | 1.0 ① ② |

① SWITCH AS INDICATED ON DRAWING E-1.1. ② FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. WIRED BY ELECTRICAL CONTRACTOR.

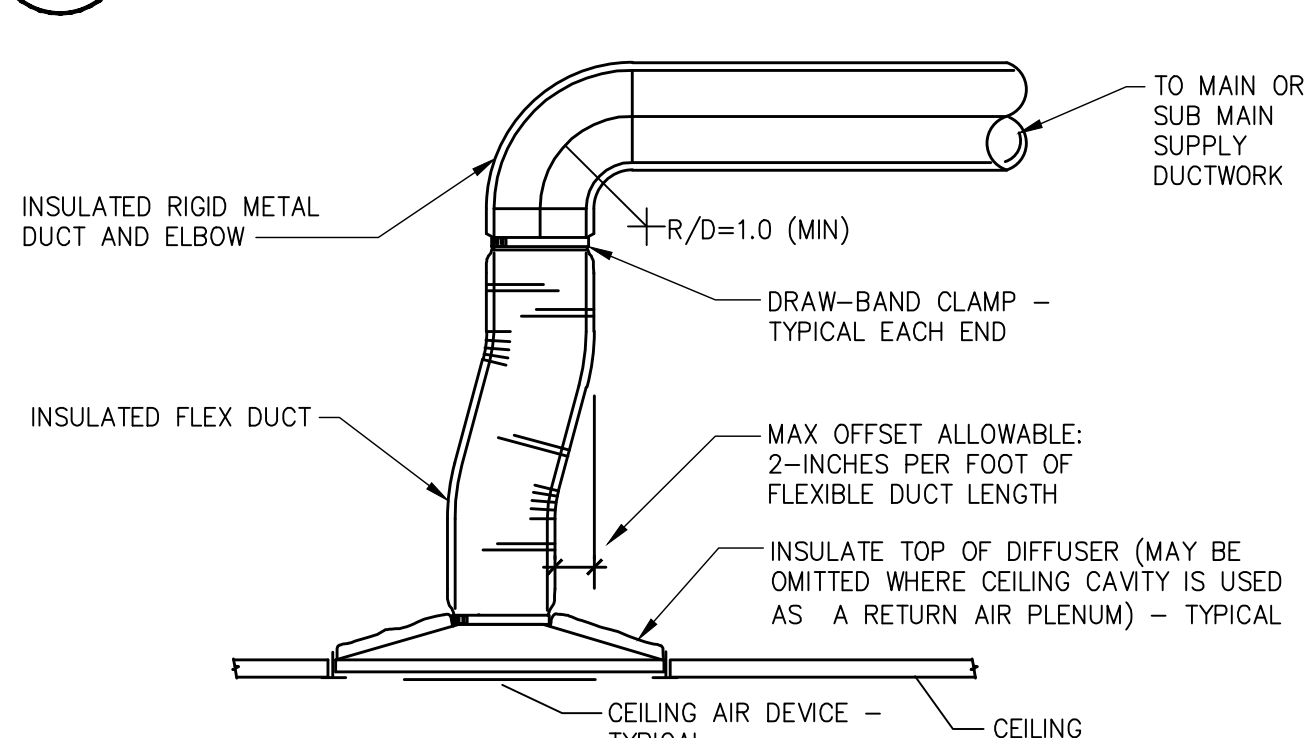
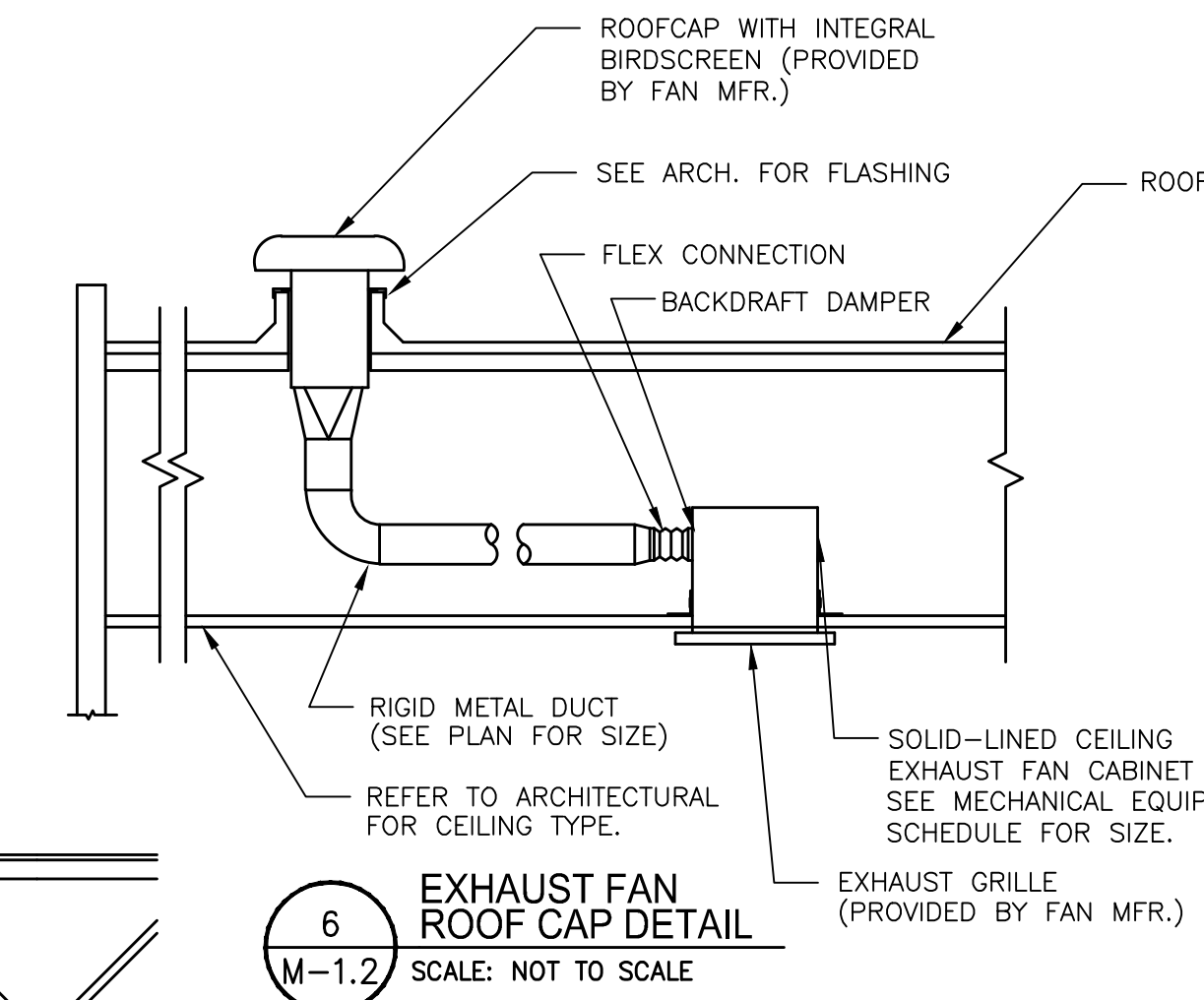
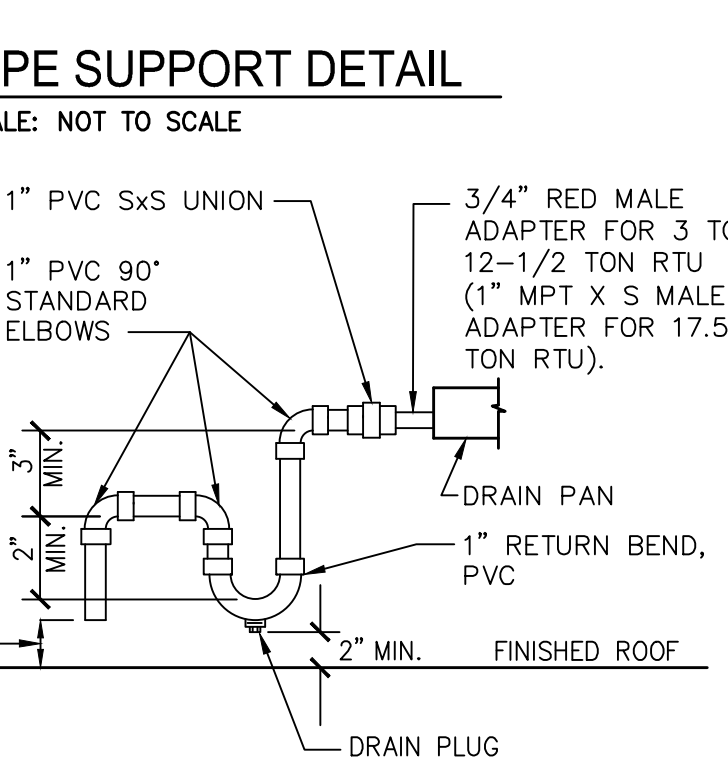
## DIFFUSER SCHEDULE

| TAG | SERVICE | CFM      | NECK SIZE | FRAME TYPE | PATTERN | DAMPER | MATERIAL | FINISH    | MANUFACTURER & MODEL No.             |
|-----|---------|----------|-----------|------------|---------|--------|----------|-----------|--------------------------------------|
| A   | SUPPLY  | AS NOTED | AS NOTED  | NOTE 1,4   | 4-WAY   | YES    | STEEL    | OFF-WHITE | METALAIRE 5500 SERIES                |
| B   | SUPPLY  | AS NOTED | AS NOTED  | NOTE 2,5   | 4-WAY   | YES    | STEEL    | OFF-WHITE | METALAIRE 5500 SERIES                |
| C   | SUPPLY  | AS NOTED | AS NOTED  | NOTE 1,4   | 3-WAY   | YES    | STEEL    | OFF-WHITE | METALAIRE 5500 SERIES                |
| D   | SUPPLY  | AS NOTED | AS NOTED  | NOTE 1,4   | 2-WAY   | YES    | STEEL    | OFF-WHITE | METALAIRE 5500 SERIES                |
| E   | SUPPLY  | AS NOTED | AS NOTED  | NOTE 2     | 2-WAY   | YES    | STEEL    | OFF-WHITE | METALAIRE 5500 SERIES                |
| F   | SUPPLY  | AS NOTED | AS NOTED  | NOTE 1     | ---     | YES    | STEEL    | OFF-WHITE | METALAIRE 6000 SERIES LINEAR         |
| G   | RETURN  | AS NOTED | AS NOTED  | NOTE 1,4   | NA      | NO     | STEEL    | OFF-WHITE | METALAIRE CC1 CUBE CORE RET./EXHAUST |
| H   | SUPPLY  | AS NOTED | AS NOTED  | NOTE 3     | 2-WAY   | YES    | STEEL    | OFF-WHITE | METALAIRE V4004                      |
| I   | RETURN  | AS NOTED | AS NOTED  | NOTE 2,5   | NA      | NO     | STEEL    | OFF-WHITE | METALAIRE CC1 CUBE CORE RET./EXHAUST |
| J   | RETURN  | AS NOTED | AS NOTED  | NOTE 1,6   | NA      | NO     | STEEL    | OFF-WHITE | METALAIRE CC1 CUBE CORE RET./EXHAUST |
| K   | RETURN  | AS NOTED | AS NOTED  | NOTE 3     | NA      | YES    | STEEL    | OFF-WHITE | METALAIRE V4004                      |

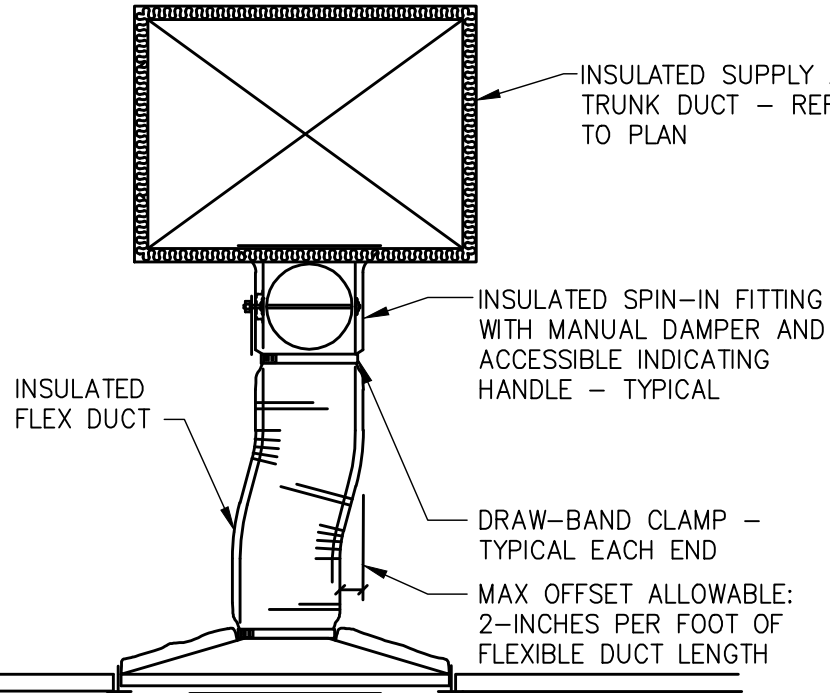
NOTES:  
 1. PROVIDE FRAME SUITABLE FOR LAY-IN CEILING MOUNTING 5. 12x12  
 2. PROVIDE FRAME SUITABLE FOR SURFACE MOUNTING 6. 24x48  
 3. DUCT MOUNTED SIDEWALL DIFFUSER. PROVIDE SQUARE TO ROUND TRANSITION WHERE REQUIRED.  
 4. 24x24



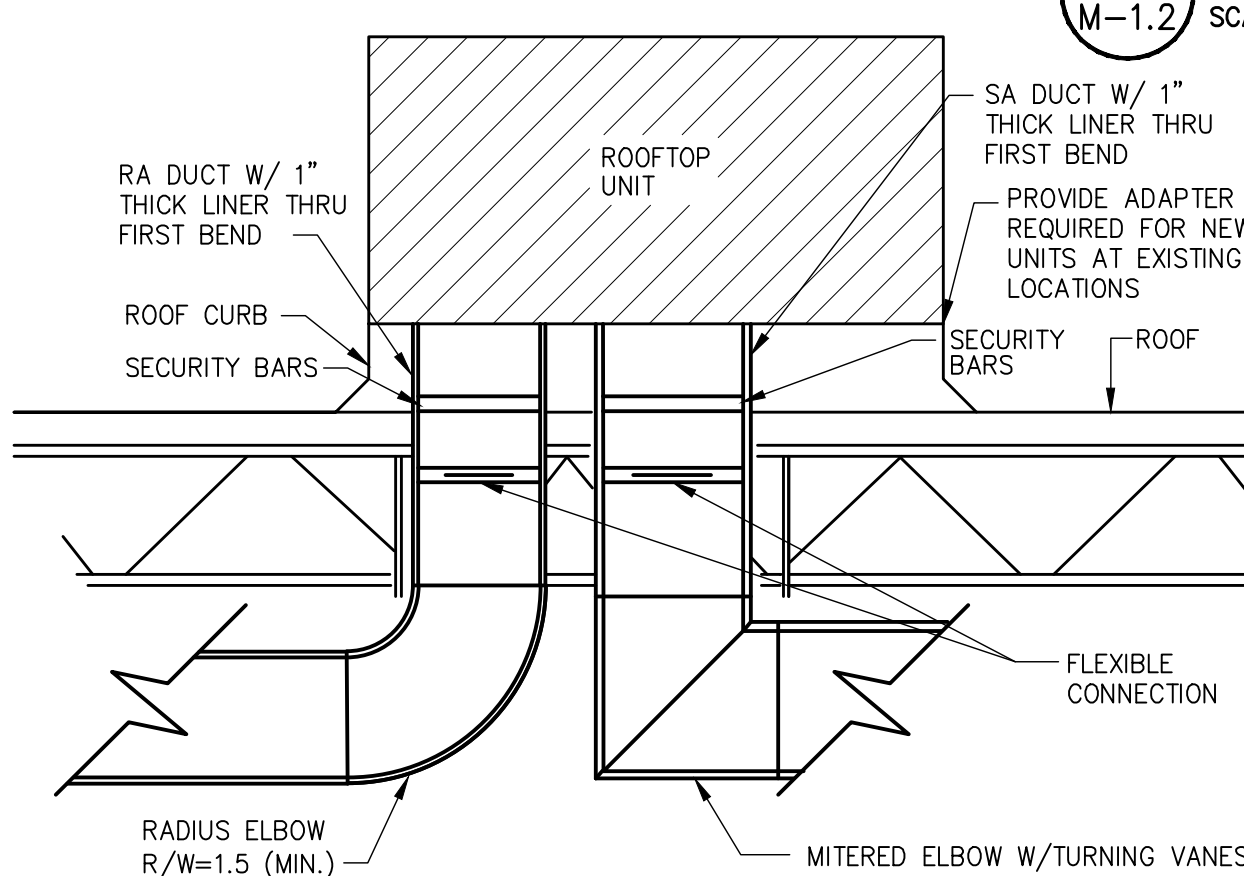
DETAIL NOTE:  
 PIPE SUPPORTS TO BE SPACED MAXIMUM 8'-0" O.C. SUPPORT PIPE PARALLEL TO ROOF SLOPE.



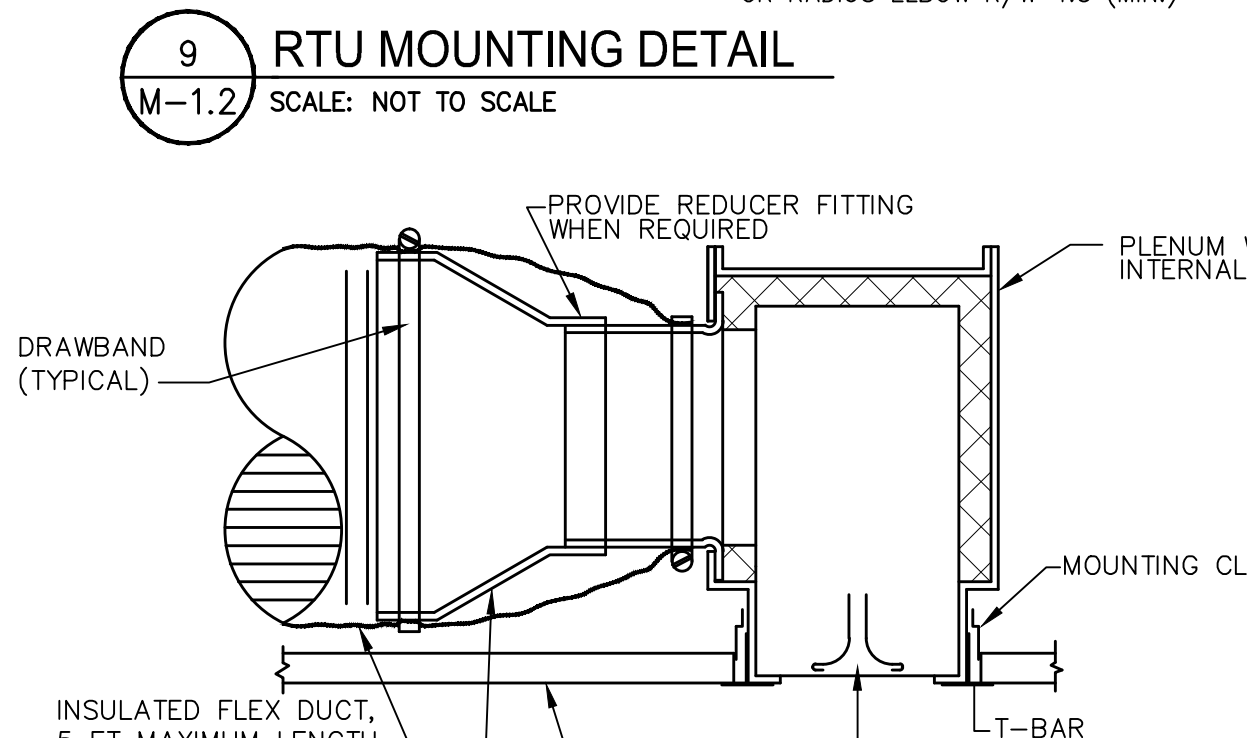
**7 NOT USED**  
 M-1.2 SCALE: NOT TO SCALE



**8 CEILING DIFFUSER/RETURN GRILLE CONNECTION DETAIL**  
 M-1.2 SCALE: NOT TO SCALE



**10 NOT USED**  
 M-1.2 SCALE: NOT TO SCALE



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| MINIMUM OUTSIDE AIR REQUIREMENTS |           |                                             |               |           |
|----------------------------------|-----------|---------------------------------------------|---------------|-----------|
| AREA                             | SQ.FT +/- | MINIMUM CFM REQUIRED                        | CFM SPECIFIED | UNIT(S)   |
| 1st FLOOR RETAIL AREA            | 6,097     | 0.20 CFM/SQ. FT. = 1,219 CFM                | 2,000 CFM     | RTU-1 & 2 |
| 2nd FLOOR RETAIL AREA            | 4,713     | 0.20 CFM/SQ. FT. = 943 CFM                  | 1,830 CFM     | RTU-3 & 4 |
| PHARMACY                         | 868       | 20 OCC/1000 SQ. FT. AT 15 CFM EA. = 270 CFM | 300 CFM       | RTU-5     |
| MANAGER'S OFFICE                 | 97        | 7 OCC/1000 SQ. FT. AT 20 CFM EA. = 20 CFM   | 40 CFM        | RTU-4     |
| R.H.C. #1 & #2                   | 196       | 0.20 CFM/SQ. FT. = 39 CFM                   | 40 CFM        | RTU-3     |
|                                  |           | TOTAL = 2,491 CFM                           | 4,210 CFM     |           |

**CVS pharmacy**

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A06/25/14 REVISED PER REVIEW COMMENT

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JRY

DATE: 14 JAN 2014

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MECHANICAL DETAILS  
 & SCHEDULES

SHEET NUMBER:

**M-1.2**

COMMENTS:

PERMIT SET



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REVISIONS:

03/27/14 ADDED ROOF EDGE GUARDS

07/11/14 REVISED RTUS TO CORRECT ORIENTATION

DRAWING BY: JRY

DATE: 14 JAN 2014

JOB NUMBER: 6312-269

TITLE:

MECHANICAL ROOF PLAN

SHEET NUMBER:

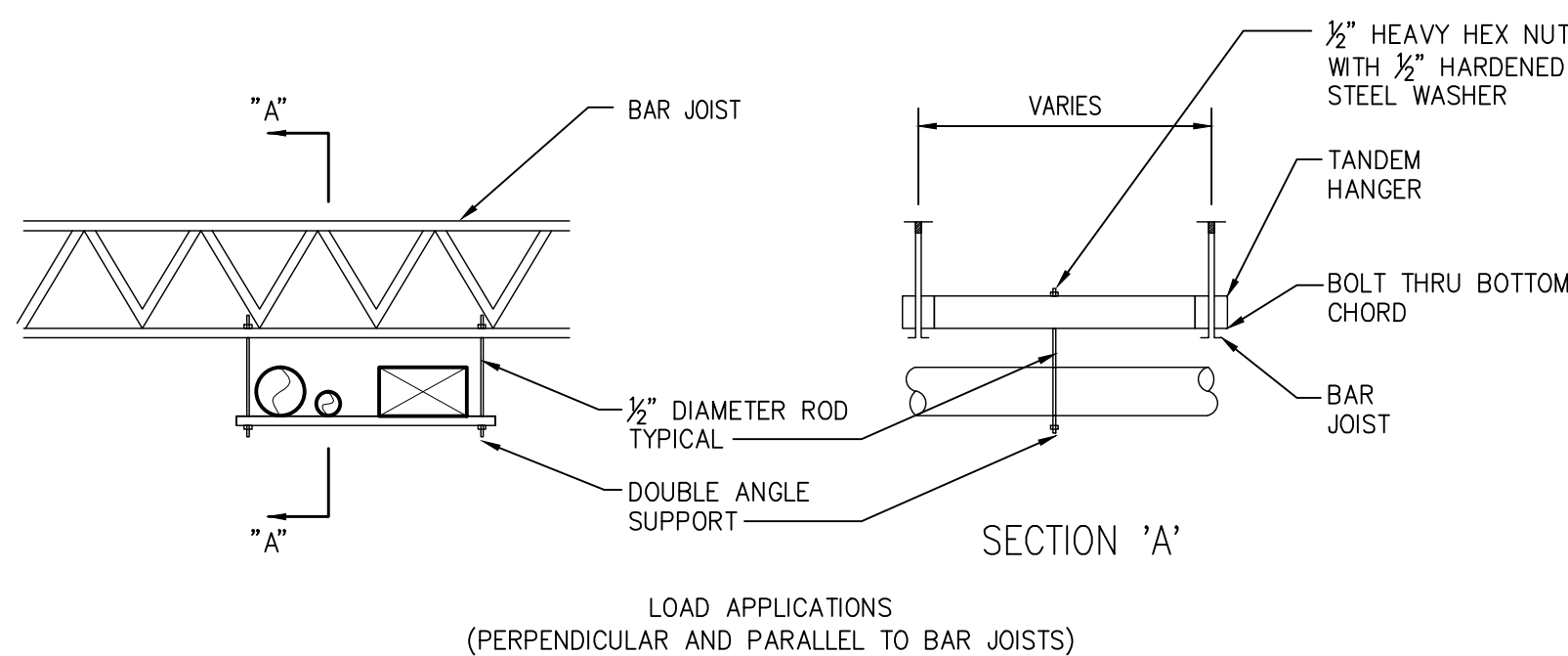
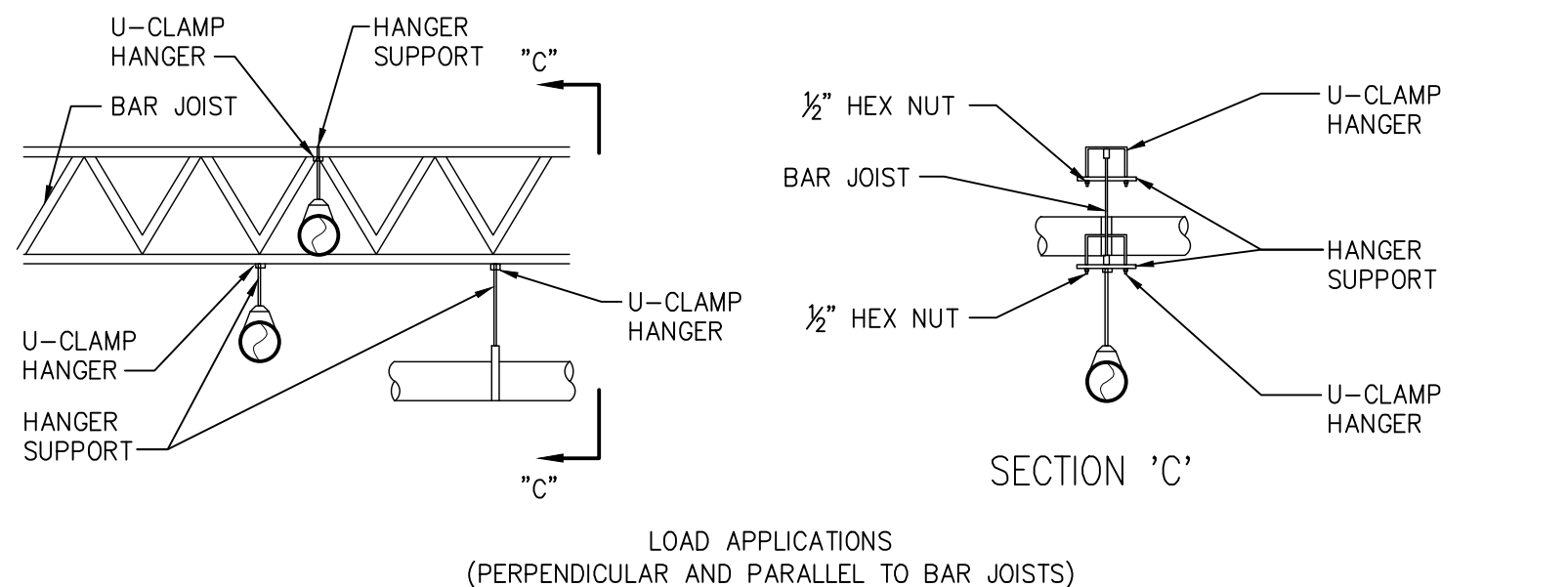
M-1.3

COMMENTS:

PERMIT SET

NOTES BY SYMBOL # (SHEET M-1.3 ONLY)

- CONDENSATE PIPING CONNECTION DETAIL. SEE 5/M-1.2.
- NOT USED
- EXHAUST FAN ROOF CAP DETAIL. SEE 6/M-1.2.
- VENT STACK DETAIL. SEE 2/A-2.1.
- EXTERIOR DUCTWORK. SEE M-1.1 FOR CONTINUATION.
- M.C. SHALL INSTALL NEW EXTERIOR LINED DUCTWORK SUPPORTED BY ADJUSTABLE TELESCOPIC TRAPEZE SINGLE SUPPORT. M.C. SHALL VERIFY DUCTWORK LAYOUT IN FIELD PRIOR TO FABRICATION AND INSTALLATION. NOTIFY ARCHITECTS FOR DIRECTION IF THERE ARE ANY CONFLICTS.
- M.C. SHALL CONNECT TO EXISTING GAS LINE ON ROOF.
- G.C.'S (OR LANDLORD'S) ROOFING CONTRACTOR SHALL FLASH IN NEW ROOF CURBS (PROVIDED BY M.C.) WATERTIGHT.
- NEW ROOFTOP UNITS AT EXISTING ROOFTOP UNIT LOCATION. M.C. SHALL RECORD SUPPLY AIR AND RETURN AIR CFM AT ALL HVAC AIR DEVICES PERTAINING TO THIS ROOFTOP PRIOR TO PROCEEDING WITH ANY REPLACEMENT OF UNIT OR RELOCATION OF ANY HVAC AIR DEVICE. EXISTING THERMOSTAT LOCATION SHALL REMAIN.
- NEW ROOFTOP UNIT AT EXISTING ROOFTOP UNIT LOCATION.

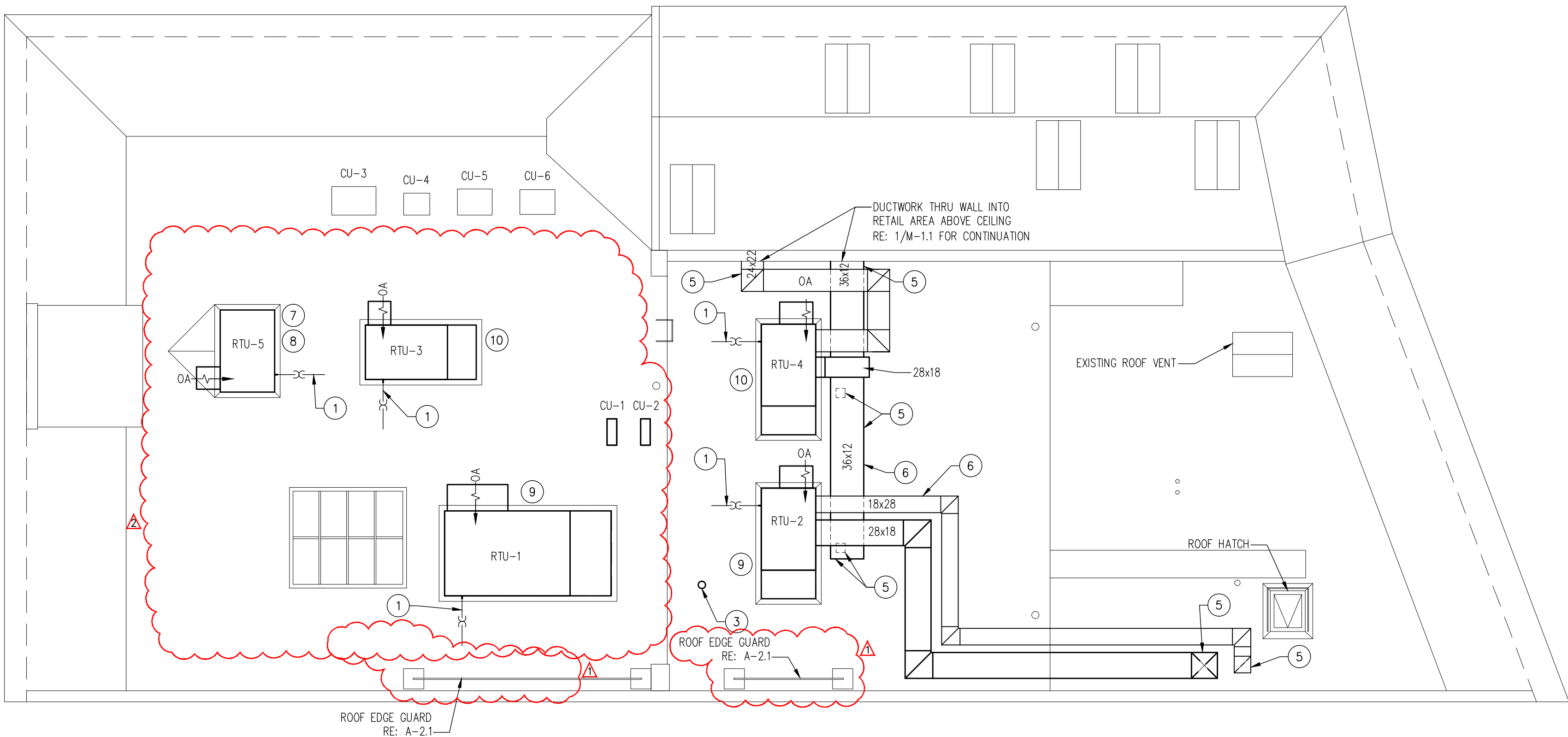


2 HANGER DETAILS  
M-1.3 NOT TO SCALE

HANGER DETAIL NOTES:

THE FOLLOWING GUIDELINES SHALL BE FOLLOWED WHEN ATTACHING ITEMS TO BAR JOISTS:

- DO NOT HANG ANY TYPE OF CRANE OR HOIST FROM BAR JOISTS.
- OBTAIN CONCENTRATED LOADS FROM CERTIFIED EQUIPMENT DRAWINGS AND MANUFACTURER'S DATA.
- DO NOT HANG ANY LOAD OVER 50 POUNDS FROM JOIST BRACES.
- DO NOT HANG ANY LOADS OVER 50 POUNDS FROM THE TOP OR BOTTOM CHORD OF THE BAR JOIST BETWEEN JOINTS. ALWAYS HANG OVER A DIAGONAL-TO-CHORD JOINT.
- DO NOT DRILL OR WELD ANY PART OF THE BAR JOIST.
- DO NOT HANG ANY LOAD OVER 50 POUNDS FROM ONE SIDE OF THE BAR JOIST CHORD. THIS ECCENTRICITY CAN SERIOUSLY IMPAIR THE MEMBER'S STRUCTURAL PERFORMANCE.
- DO NOT HANG LOAD GREATER THAN 1000 POUNDS FROM ONLY ONE JOIST BECAUSE OF HANGER DEFICIENCY. HANG BETWEEN TWO JOISTS TO DISTRIBUTE THE LOAD AND GIVE A STRONGER, MORE STABLE HANGING SYSTEM.
- DO NOT HANG ANY LOAD OVER 10 POUNDS/LINEAR FOOT CONTINUOUSLY ALONG ONE BAR JOIST UNLESS THAT JOIST IS CAPABLE OF CARRYING THE APPLIED LOAD IN ADDITION TO THE REQUIRED BUILDING LIVE LOAD.
- COORDINATE HANGER LOADS WITH THE GENERAL CONTRACTOR CONSTRUCTION MANAGEMENT.
- LOCATION OF HANGER LOADS SHALL BE APPROVED BY GENERAL CONTRACTOR.



1 MECHANICAL ROOF PLAN  
M-1.3 SCALE: 1/8" = 1'-0"



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2 07/09/14 REVISED RTUS TO CORRECT ORIENTATION

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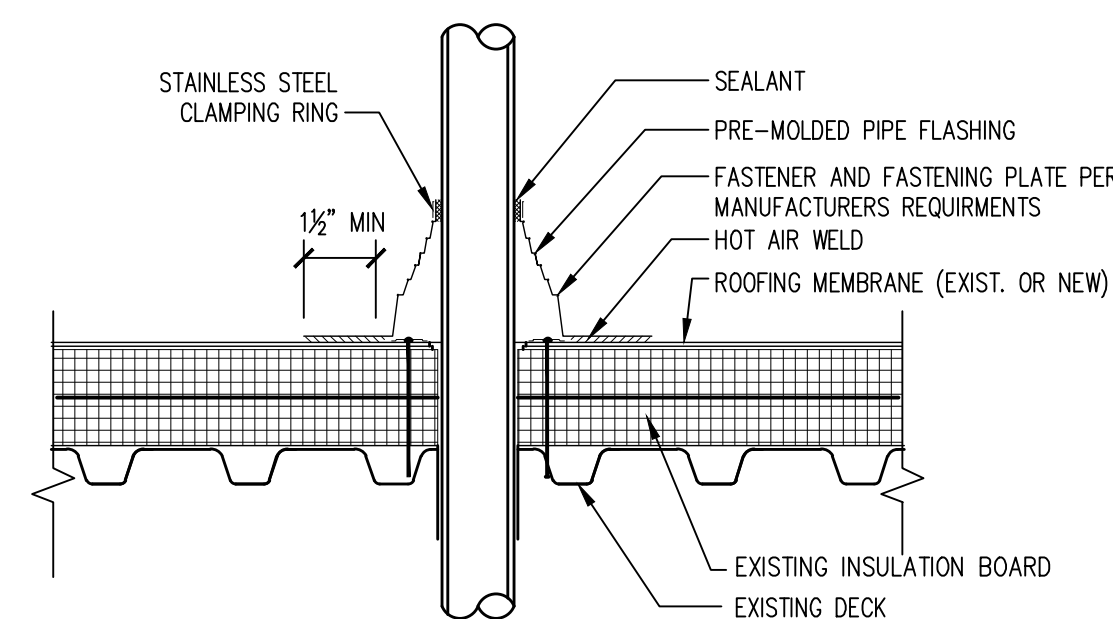
## ROOF PLAN & DETAILS

SHEET NUMBER:

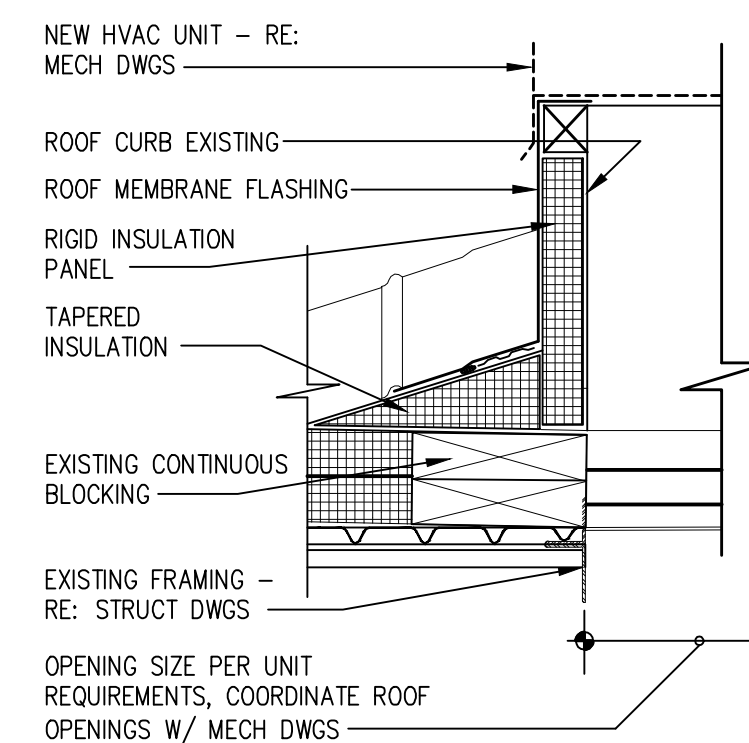
## A-2.1

COMMENTS:

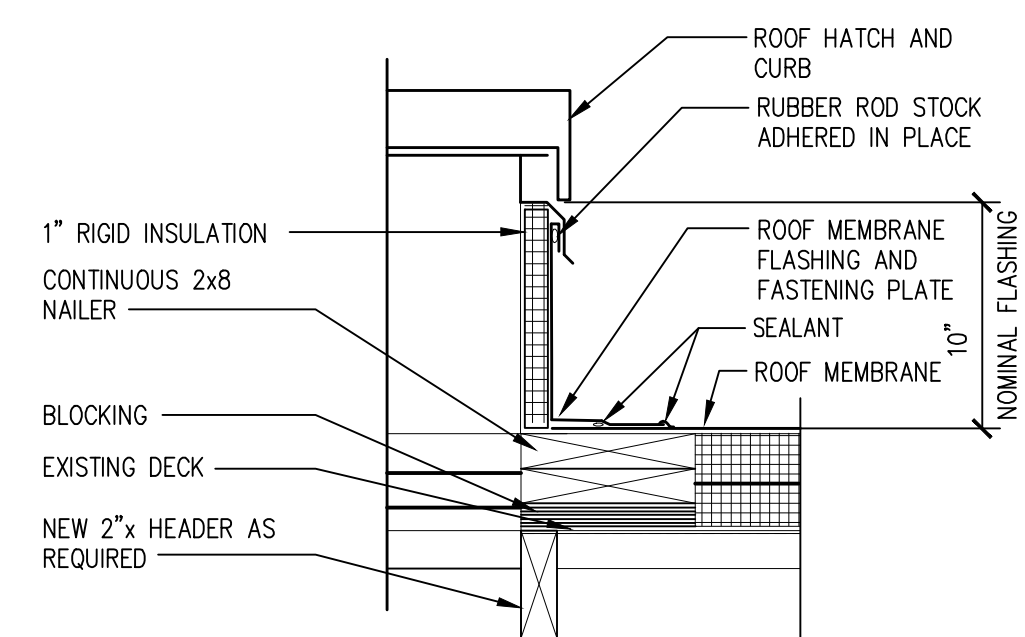
PERMIT SET



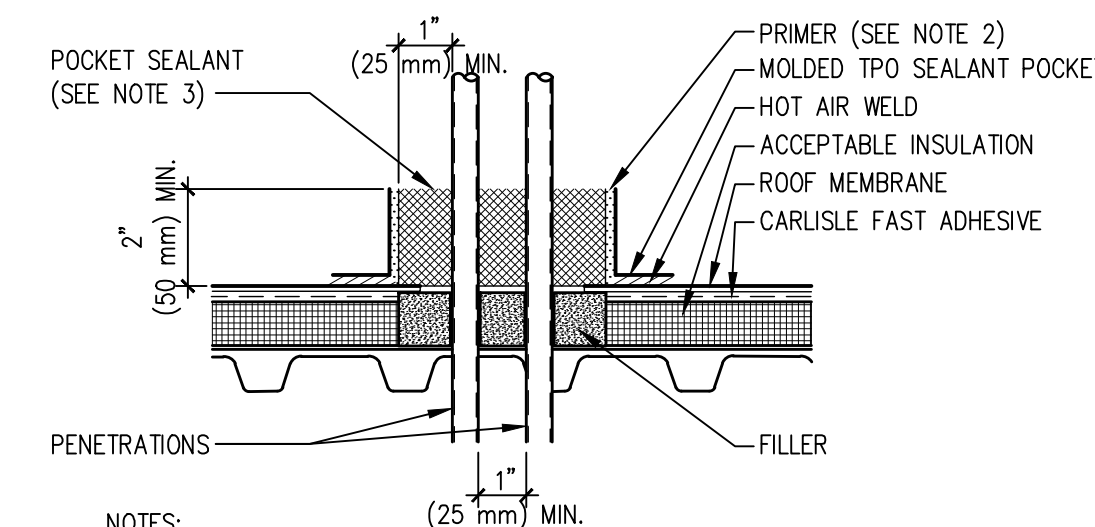
**2 PIPE PENETRATION DETAIL**  
 A-2.1 SCALE: 1 1/2" = 1'-0" RE: NOTES BY SYMBOL 1



3 TYP ROOF CURB  
A-2.1 SCALE: 1 1/2" = 1'-0" RE: NOTES BY SYMBOL (5)



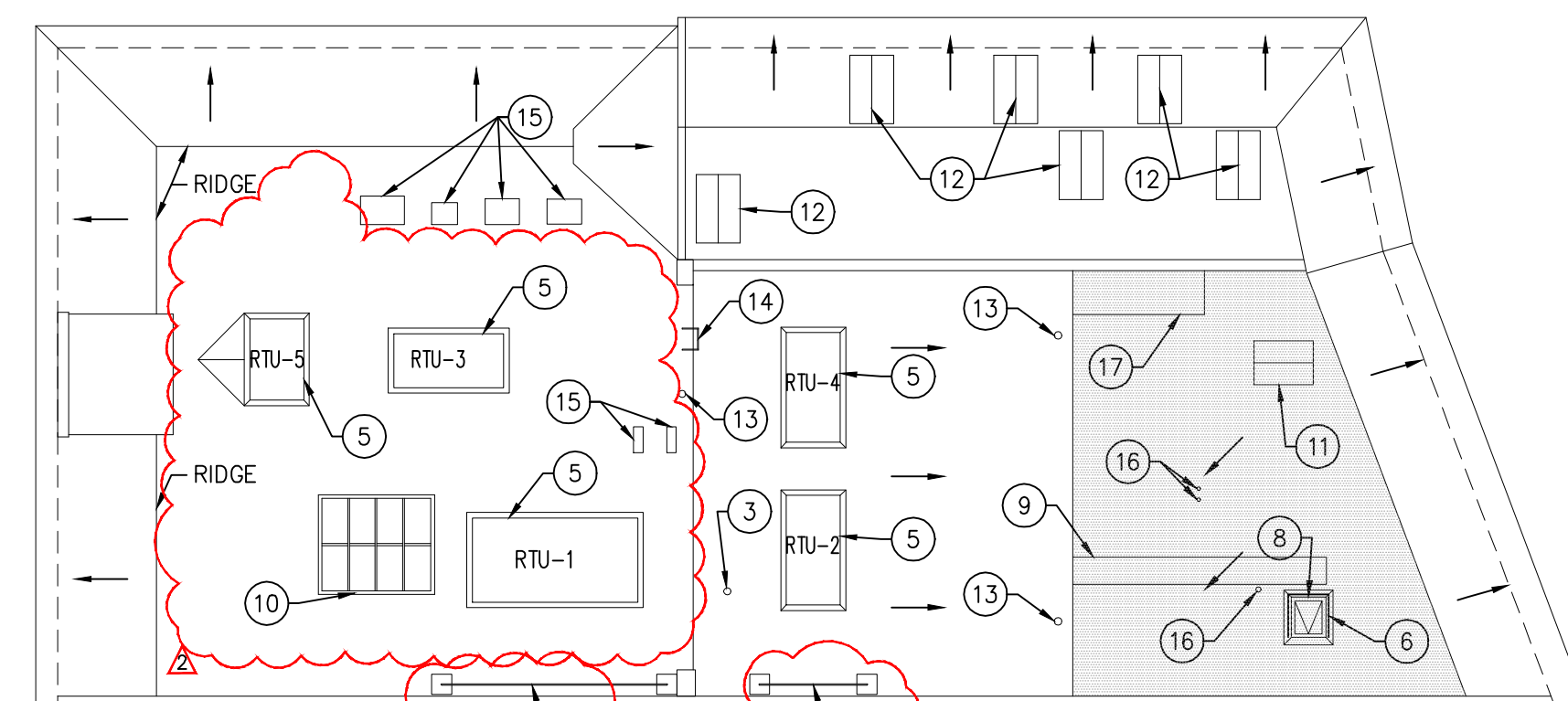
8 ROOF HATCH DETAIL  
A-2.1 SCALE: 1 1/2" = 1'-0" RE: NOTES BY SYMBOL 8



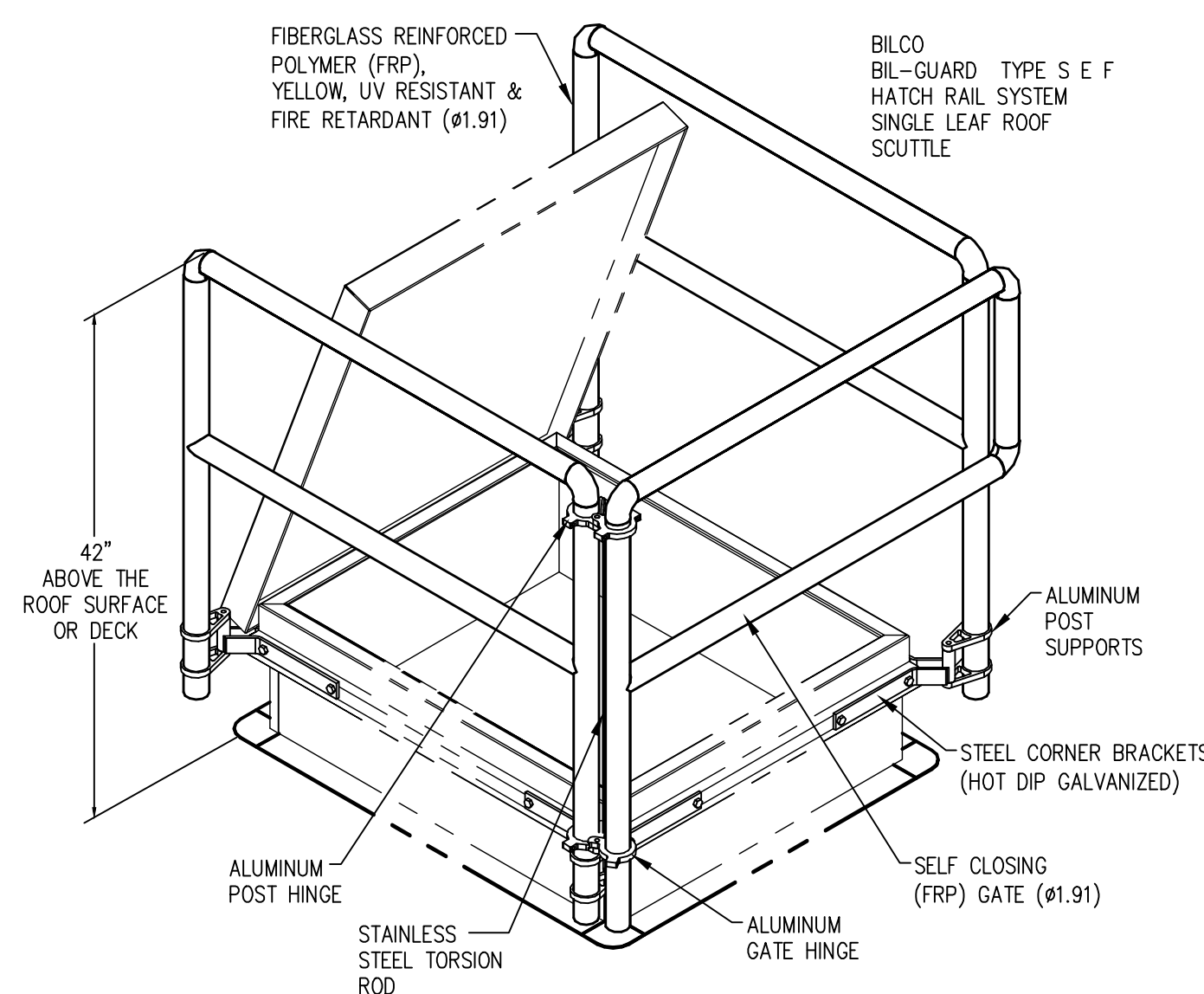
NOTES

1. TEMPERATURE OF PIPE MUST NOT EXCEED 120° F (49° C).
2. PRIMER MUST BE APPLIED TO ALL INSIDE SURFACES AND PENETRATIONS PRIOR TO FILLING WITH SEALANT.
3. FILL POCKET COMPLETELY WITH TPO MOLDED POCKET SEALANT UNTIL RIM IS COVERED WITH SEALANT; ENSURE ALL VOIDS ARE FILLED.
4. SEALANT POCKET TO BE MINIMUM 1" (25 mm) FROM PENETRATION ON ANY SIDE.

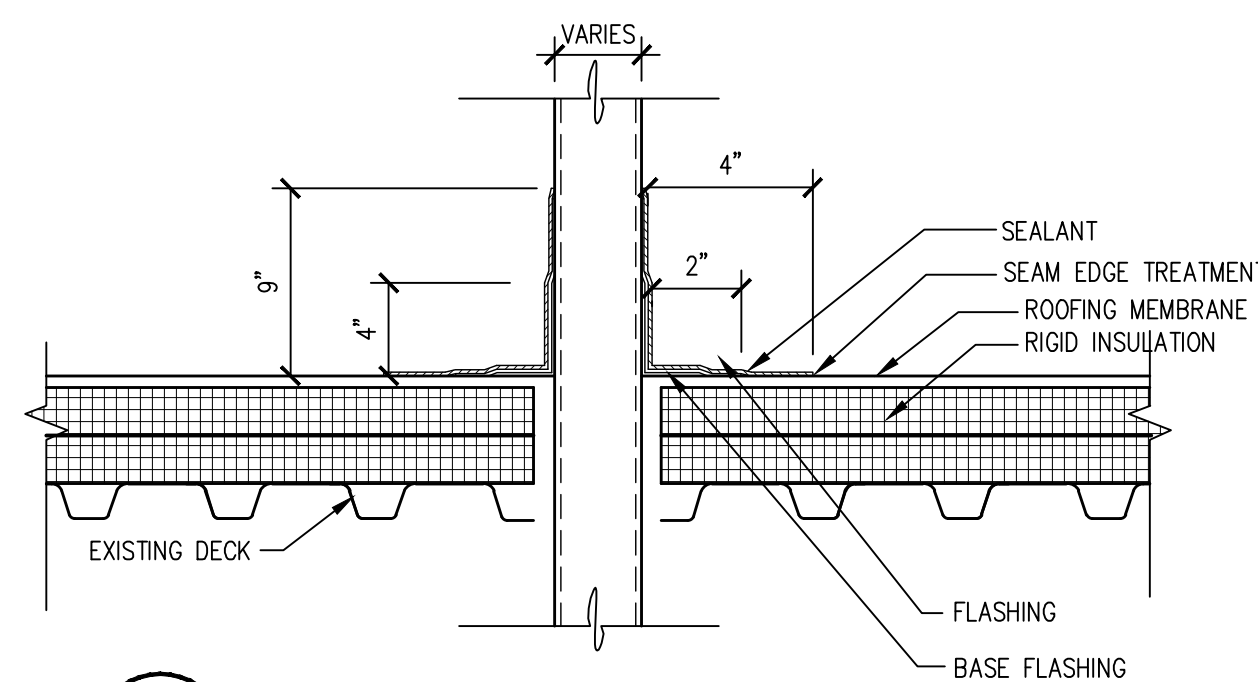
11 SEALANT POCKET  
A-2.1 SCALE: 3" = 1'-0" RE: NOTES BY SYMBOL (2) (6)



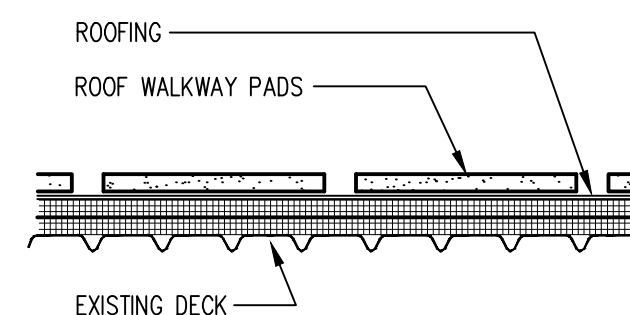
1 ROOF PLAN  
A-2.1 SCALE: 1/16" = 1'-0"



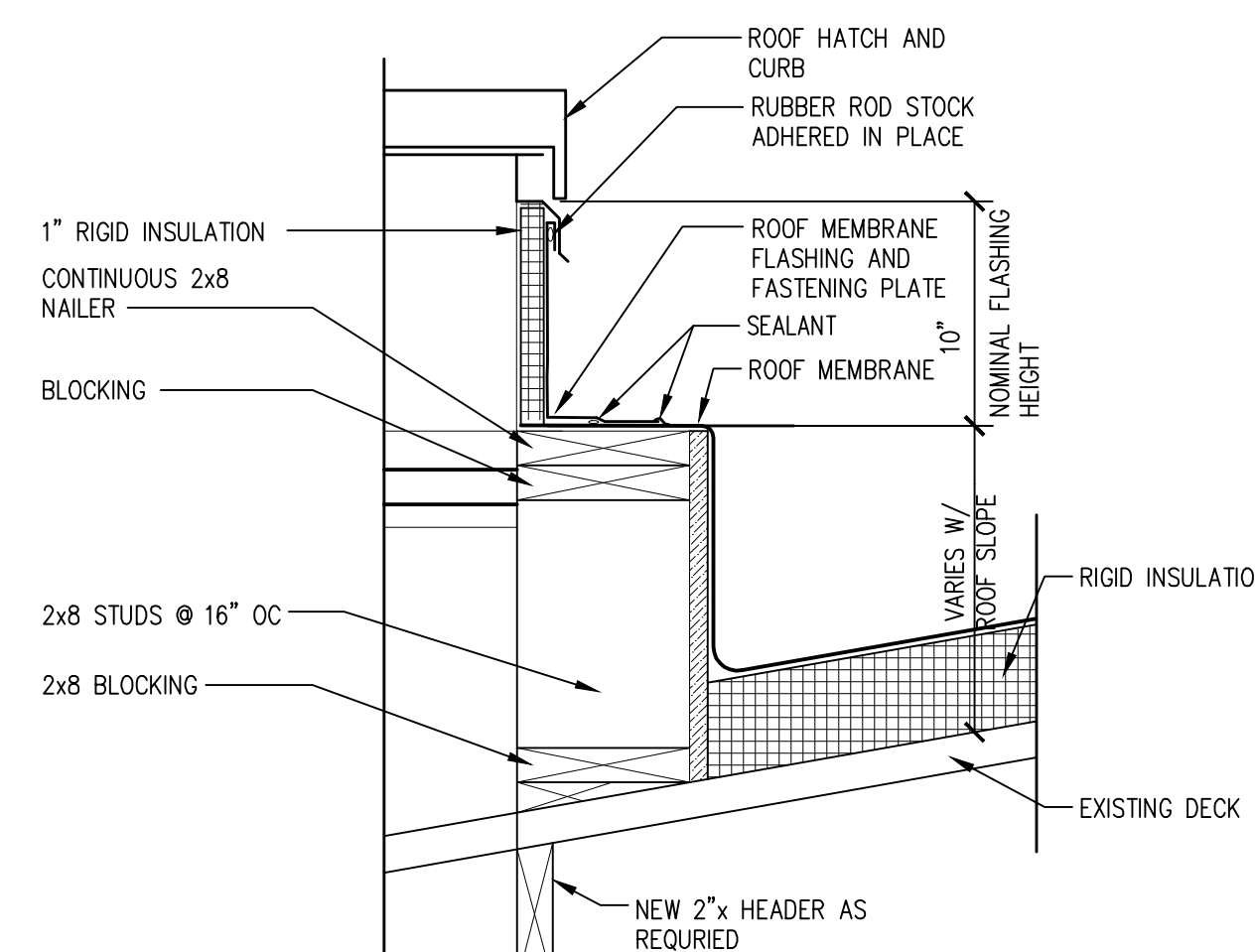
4 HATCH GUARD DETAIL  
A-2.1 SCALE: 1 1/2" = 1'-0"



5 ROOF PENETRATION DETAIL  
A-2.1 SCALE: 1 1/2" = 1'-0" RE: NOTES BY SYMBOL (16)



6 WALKWAY PAD DETAIL  
A-2.1 SCALE: 1/2" = 1'-0" RE: NOTES BY SYMBOL (9)



10 ROOF HATCH DETAIL @ SLOPING ROOF  
A-2.1 SCALE: 1 1/2" = 1'-0" RE: NOTES BY SYMBOL 8

ALL DIMENSIONS AND EXISTING  
CONDITIONS SHALL BE CHECKED &  
VERIFIED BY G.C. AT THE SITE.

9 NOT USED  
A-2.1 SCALE: 3/4" = 1'-0"