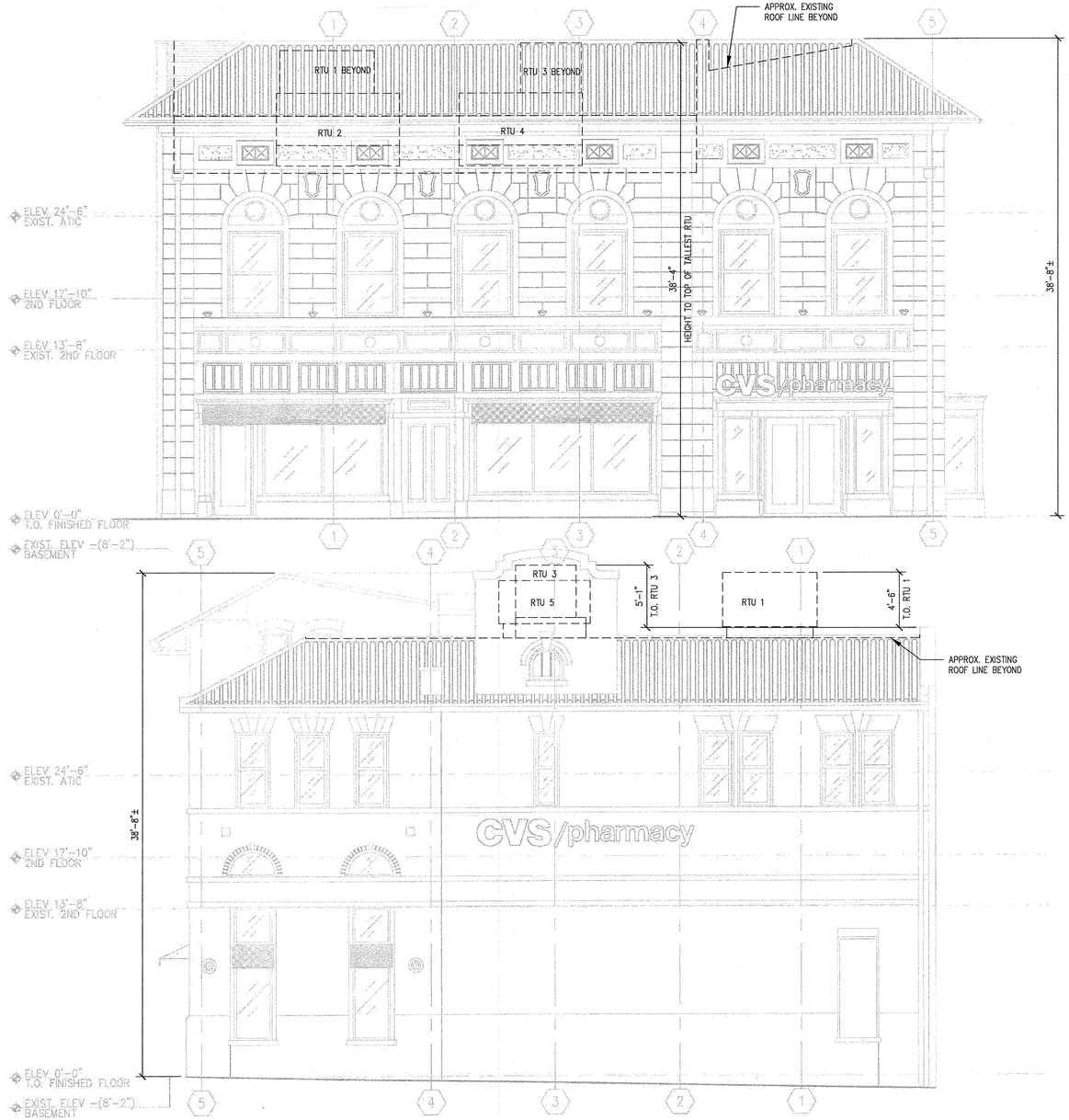


1 / A-4.0 DUPONT CIRCLE ELEVATION
SCALE: 3/16" = 1'-0"

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

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

CVS pharmacy®

AS-IS EXPANSION

STORE NUMBER: 1347

6-7 DUPONT CIRCLE
WASHINGTON, DC 20036

PROJECT TYPE: EXPANSION
DEAL TYPE: EXPANSION

CS PROJECT NUMBER: 77894

LDG
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:

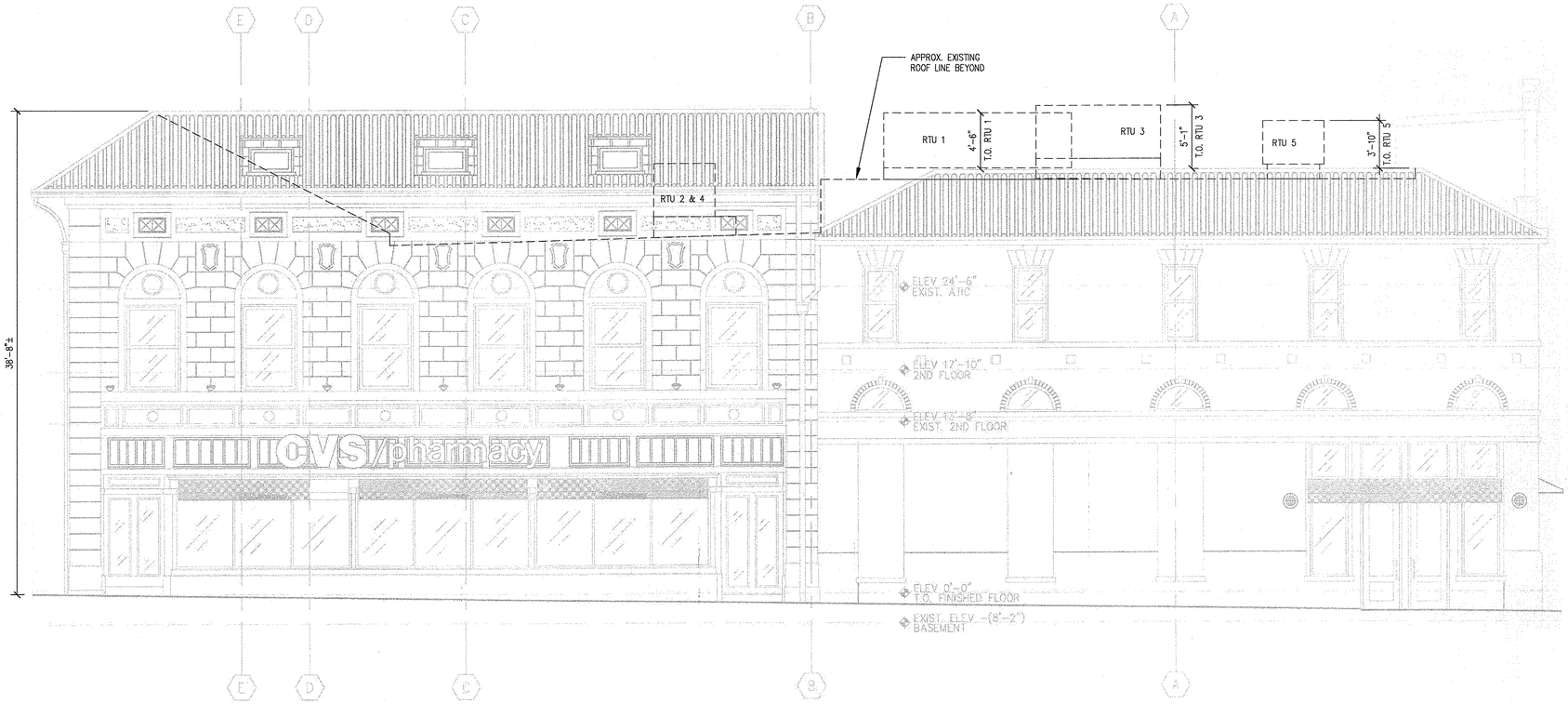
EXTERIOR ELEVATIONS

SHEET NUMBER:

A-4.0

COMMENTS:

PERMIT SET



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

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DATE: 14 JAN 2014
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TITLE:

EXTERIOR ELEVATIONS

SHEET NUMBER:

A-4.0A

COMMENTS:

PERMIT SET

NOTES BY SYMBOL (#) (SHEET M-1.1 ONLY)

(1) 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 "C", AND SMACNA DUCT CONSTRUCTION STANDARDS PG. 2.3, FIGURE 2-2, TYPE RE 3 RADIUS ELBOW WITH VANES.

(2) 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.

(3) 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.

(4) 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.

(5) 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.

(6) 36x12 SUPPLY AIR DUCTWORK THRU WALL AT ROOF, REDUCED DOWN TO 22x22. SEE 1/M-1.3 FOR CONTINUATION.

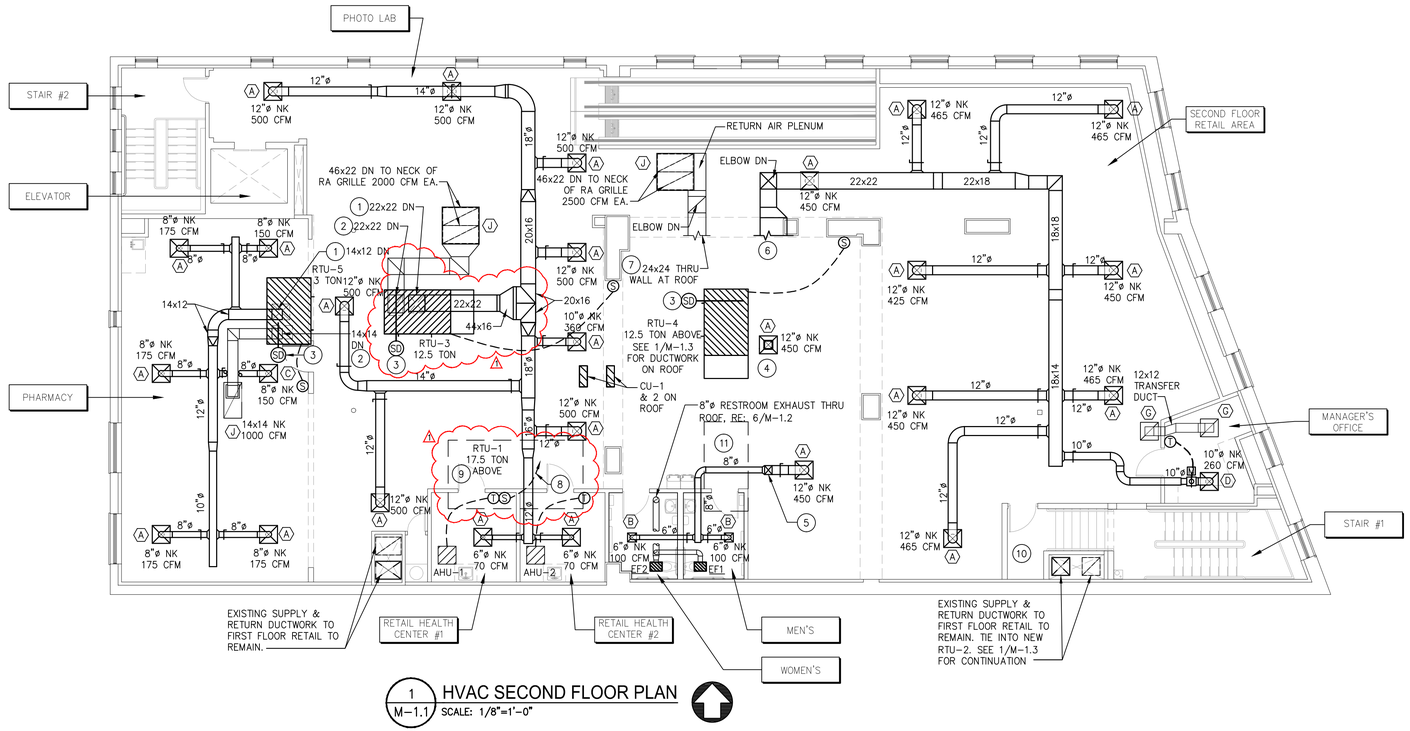
(7) 24x24 RETURN AIR DUCTWORK THRU WALL AT ROOF. SEE 1/M-1.3 FOR CONTINUATION.

(8) SENSOR TO BE LOCATED IN RHC #1 ONLY. CONNECT TO EMS SYSTEM.

(9) M.C. SHALL TRANSITION FROM EXISTING DUCTWORK TO NEW ROOFTOP UNIT, RTU-1. EXISTING DUCTWORK TO SHAFT & TO FIRST FLOOR SHALL REMAIN.

(10) 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.

(11) RTU-2, 12.5 TON UNIT ABOVE. SEE 1/M-1.3 FOR DUCTWORK ON ROOF.



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

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SEAL:

JUL 25 2014

DEVELOPER:

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

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

PACKAGED ROOFTOP UNIT SCHEDULE (NATURAL GAS)

MARK	AREA SERVED	CFM	OA CFM	ESP IN WC	MAX HP	NET COOLING CAPACITY (MBH) TOTAL	SENSIBLE	EER	NET HEATING CAPACITY (MBH) INPUT	OUTPUT	EAT °F	LAT °F	EFF %	MAX/MIN PRESSURE	UNIT WT (LBS)	MODEL	ELECTRICAL VOLT	MCA	MFS	REMARKS
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	3030	YORK ZJ210N24S2K	208V/3ϕ	91.4	110	①③④⑤⑥⑦⑧⑭⑮
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/3ϕ	73.2	90	①③④⑤⑥⑦⑧⑩⑯
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/3ϕ	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/3ϕ	73.2	90	①③④⑥⑦⑧⑩⑪⑯
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/3ϕ	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"	115/60/1ϕ	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 HP	VOLT/PHASE	AMP.	SONES	REMARKS
EF-1	EXHAUST	MEN'S RESTROOMS	NUTONE QTXEN110	120	0.1	DIRECT	---	120/1/60	0.6	1.0	① ②
EF-2	EXHAUST	WOMEN'S RESTROOMS	NUTONE QTXEN110	120	0.1	DIRECT	---	120/1/60	0.6	1.0	① ②

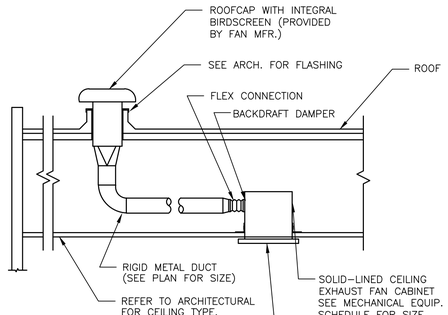
① SWITCH AS INDICATED ON DRAWING E-1.1. ② FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. WIRED BY ELECTRICAL CONTRACTOR.

DIFFUSER SCHEDULE

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

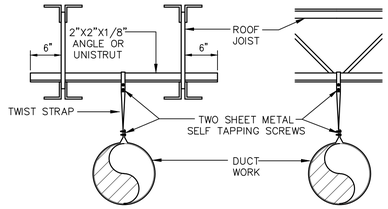
NOTES:
1. PROVIDE FRAME SUITABLE FOR LAY-IN CEILING MOUNTING
2. PROVIDE FRAME SUITABLE FOR SURFACE MOUNTING
3. DUCT MOUNTED SIDEWALL DIFFUSER.
4. 24x24
5. 12x12
6. 24x48

PROVIDE SQUARE TO ROUND TRANSITION WHERE REQUIRED.



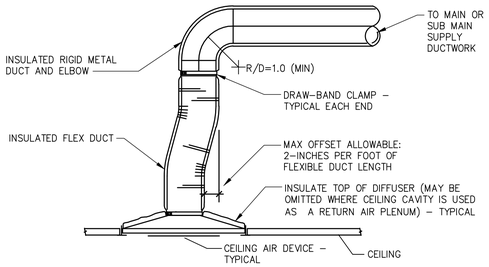
6 M-1.2 EXHAUST FAN ROOF CAP DETAIL
SCALE: NOT TO SCALE

7 M-1.2 NOT USED
SCALE: NOT TO SCALE

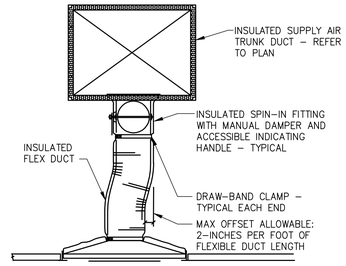


NOTES:
1. RECTANGULAR DUCTS SIMILAR.
2. ALL DUCTS & SUPPORTS PER SMACNA

2 M-1.2 DUCT HANGER DETAIL
SCALE: NOT TO SCALE



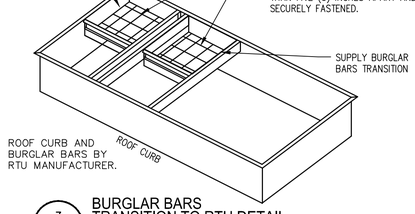
LONG RUN, SIDE TAP INSTALLATION



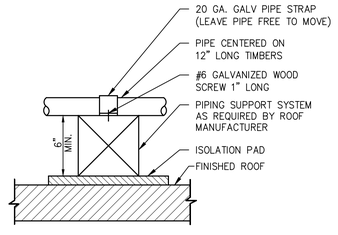
BOTTOM TAP INSTALLATION

DETAIL NOTES

1. TWO INSTALLATION OPTIONS ARE SHOWN. PROVIDE THE MOST SUITABLE OPTION BASED UPON ACTUAL DUCT LAYOUT, DIFFUSER LOCATION, AND FIELD CONDITIONS. WHERE FLEXIBLE DUCT RUN EXCEEDS THE MAXIMUM ALLOWABLE LENGTH, PROVIDE THE LONG RUN, SIDE TAP INSTALLATION.
2. FLEXIBLE DUCT: U.L. LISTED CLASS 1 AIR DUCT, TESTED IN ACCORDANCE WITH U.L. 181. MAXIMUM LENGTH ALLOWED IS 5 FEET.
3. SPIN-IN FITTING: FLARED TYPE WITH BUTTERFLY DAMPER AND INDICATING HANDLE. PROVIDE STRAIGHT-IN TYPE SPIN-IN FITTING ONLY WHERE TRUNK DUCT SIZE WILL NOT ALLOW THE INSTALLATION OF A FLARED TYPE FITTING. INSTALL DUCT INSULATION SO THAT DAMPER HANDLE IS ACCESSIBLE AND VISIBLE ON THE BOTTOM OR SIDE OF THE SPIN-IN FITTING.
4. PROVIDE ACCESS TO DAMPERS LOCATED IN CEILINGS OTHER THAN LAY-IN TYPE CEILINGS.
5. PROVIDE MINIMUM LENGTH OF FLEXIBLE DUCT WITH NO EXCESS LENGTH BETWEEN CONNECTION POINTS. INSTALL FULLY EXTENDED, NOT COMPRESSED.
6. EXTEND FLEXIBLE DUCT A MINIMUM LENGTH OF ONE DUCT DIAMETER STRAIGHT FROM CONNECTION POINTS BEFORE BENDING. MAKE SMOOTH BENDS WITHOUT DEFORMING DUCT CROSS-SECTION.
7. PROVIDE ROUND-TO-RECTANGULAR INSULATED SHEET METAL TRANSITION AT THE NECK OF THE CEILING AIR DEVICE AS NECESSARY FOR RECTANGULAR NECK DIFFUSERS/GRILLES.
8. SUPPORT FLEXIBLE DUCT AS RECOMMENDED BY MANUFACTURER USING A MINIMUM OF 1-1/2 INCH WIDE BAND CLAMP. MAXIMUM HANGER SPACING IS 4 FEET WITH A MAXIMUM PERMISSIBLE SAG OF 1/2-INCH PER FOOT BETWEEN SUPPORTS. HANGERS MUST MAINTAIN ROUND DUCT SHAPE.



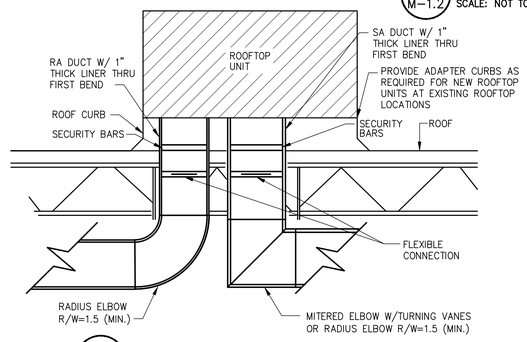
3 M-1.2 BURGLAR BARS TRANSITION TO RTU DETAIL
SCALE: NOT TO SCALE



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

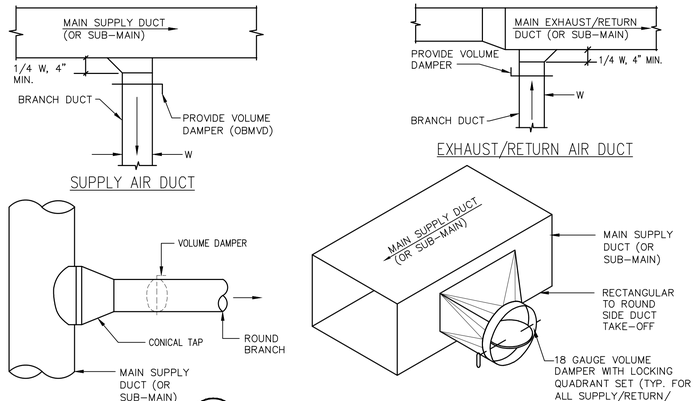
4 M-1.2 PIPE SUPPORT DETAIL
SCALE: NOT TO SCALE

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

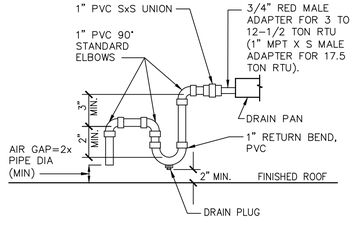


9 M-1.2 RTU MOUNTING DETAIL
SCALE: NOT TO SCALE

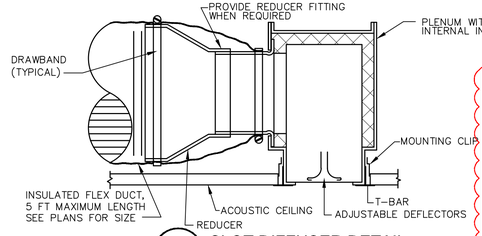
10 M-1.2 NOT USED
SCALE: NOT TO SCALE



1 M-1.2 BRANCH TAKE-OFF DETAILS
SCALE: NOT TO SCALE



5 M-1.2 CONDENSATE PIPING CONNECTION DETAIL
SCALE: NOT TO SCALE



11 M-1.2 SLOT DIFFUSER DETAIL
SCALE: NOT TO SCALE

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

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	

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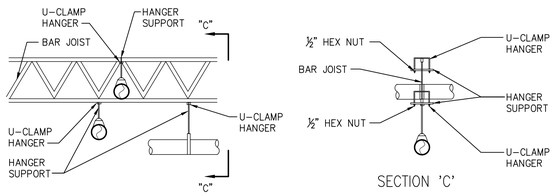
REVISIONS:
⚠ 06/25/14 REVISED PER REVIEW COMMENT

DRAWING BY: JRY
DATE: 14 JAN 2014
JOB NUMBER: 6312-269

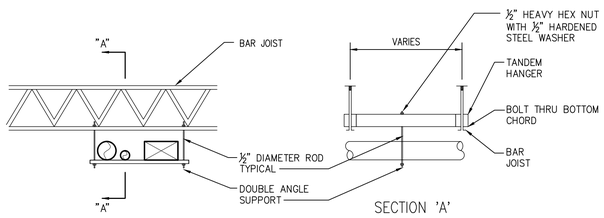
TITLE:
MECHANICAL DETAILS & SCHEDULES

SHEET NUMBER:
M-1.2

COMMENTS:
PERMIT SET



LOAD APPLICATIONS
(PERPENDICULAR AND PARALLEL TO BAR JOISTS)



LOAD APPLICATIONS
(PERPENDICULAR AND PARALLEL TO BAR JOISTS)

2 M-1.3 **HANGER DETAILS**
NOT TO SCALE

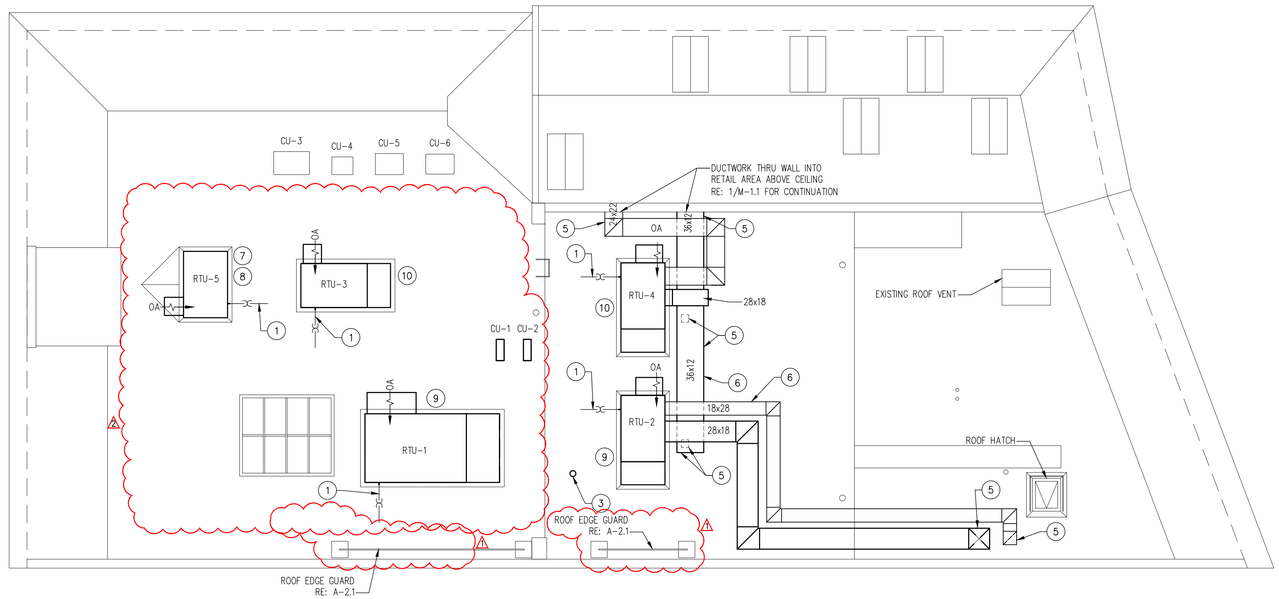
HANGER DETAIL NOTES:

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

1. DO NOT HANG ANY TYPE OF CRANE OR HOIST FROM BAR JOISTS.
2. OBTAIN CONCENTRATED LOADS FROM CERTIFIED EQUIPMENT DRAWINGS AND MANUFACTURER'S DATA.
3. DO NOT HANG ANY LOAD OVER 50 POUNDS FROM JOIST BRACES.
4. 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.
5. DO NOT DRILL OR WELD ANY PART OF THE BAR JOIST.
6. 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.
7. 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.
8. 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.
9. COORDINATE HANGER LOADS WITH THE GENERAL CONTRACTOR CONSTRUCTION MANAGEMENT.
10. LOCATION OF HANGER LOADS SHALL BE APPROVED BY GENERAL CONTRACTOR.

NOTES BY SYMBOL (#) (SHEET M-1.3 ONLY)

1. CONDENSATE PIPING CONNECTION DETAIL. SEE 5/M-1.2.
2. NOT USED
3. EXHAUST FAN ROOF CAP DETAIL. SEE 6/M-1.2.
4. VENT STACK DETAIL. SEE 2/A-2.1.
5. EXTERIOR DUCTWORK. SEE M-1.1 FOR CONTINUATION.
6. 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.
7. M.C. SHALL CONNECT TO EXISTING GAS LINE ON ROOF.
8. G.C.'S (OR LANDLORD'S) ROOFING CONTRACTOR SHALL FLASH IN NEW ROOF CURBS (PROVIDED BY M.C.) WATERTIGHT.
9. 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.
10. NEW ROOFTOP UNIT AT EXISTING ROOFTOP UNIT LOCATION.



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

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

CVS pharmacy®

AS-IS
EXPANSION

STORE NUMBER: 1347

6-7 DUPONT CIRCLE
WASHINGTON, DC 20036

PROJECT TYPE: EXPANSION
DEAL TYPE: EXPANSION

CS PROJECT NUMBER: 77894

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ARCHITECTS ENGINEERS SURVEYORS

CONSULTANT:

SEAL:

JUL 25 2014

DEVELOPER:

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REVISIONS:
1 03/27/14 ADDED ROOF EDGE GUARDS
2 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:

1. NOT USED
2. NOT USED
3. EXHAUST FAN FROM RESTROOM(S) – RE: MECH DWGS
4. NOT USED
5. NEW ROOFTOP UNITS SET ON EXISTING CURBS W/ NEW ADAPTER CURBS AS NEEDED. COORDINATE W/ MECH & PLUMBING RE: DETAIL 3/A–2.1 FOR ROOF CURB.
6. HATCH GUARD RAIL SYSTEM RE: 4/A–2.1
7. COOLER CONDENSING UNITS. MOUNT AS REQUIRED BY CONDENSING UNIT PROVIDER. PROVIDE PREFABRICATED OR FIELD–CONSTRUCTED EQUIPMENT SUPPORT. RE: STRUCT AND 7/A–2.1. RETURN REFRIGERANT AND ELECT LINES THRU CURB INTO CEILING PLENUM, COORDINATE WITH COOLER INSTALLATION.
8. 30"x36" ROOF HATCH RE: DETAIL 8/A–2.1 AND 4/A–2.1
9. ROOF WALKWAY PAD 30" MIN WIDTH – RE: 6/A–2.1
10. EXISTING SKYLIGHT
11. EXISTING ROOF VENTS
12. EXISTING DORMER VENTS, TYP.
13. EXISTING ROOF DRAIN
14. EXISTING STEEL LADDER
15. CONDENSING UNIT MOUNT PER MANUFACTURER'S REQUIREMENTS, RE: MECH & PLUMB DWGS
16. EXISTING VENT STACK
17. EXISTING PLATFORM
18. KEEGUARD CONTRACTOR, NON–PENETRATING, ROOF EDGE PROTECTION SYSTEM. LENGTH TO BE DETERMINED IN FIELD. MUST EXTEND A MINIMUM OF 30" PAST EACH EDGE OF RTU. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

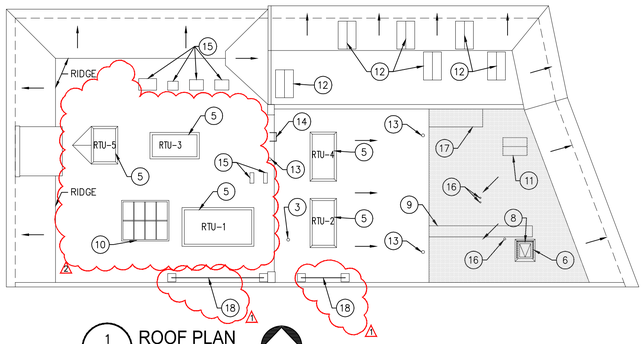
GENERAL ROOF NOTES

1. RE: MECH/PLUMBING DWGS FOR ADDITIONAL NOTES AND DETAILS.
2. VERIFY LOCATIONS OF ALL ROOF PENETRATIONS WITH STRUCT, MECH AND PLUMBING DWGS
3. ALL EQUIPMENT ON ROOF TO BE MOUNTED ON CURBS, RE: DETAIL, THIS SHT
4. ALL EQUIPMENT ON ROOF TO BE MOUNTED ON CURBS AND FASTENED PER MFR RECOMMENDATIONS, RE: DETAIL, THIS SHT
5. EXHAUST FANS AND VENTS TO BE LOCATED A MINIMUM OF 10'–0" FROM A/C INTAKE. VERIFY ALL LOCATIONS WITH MECH AND PLUMBING DWGS
6. MECH SUB–CONTRACTOR TO COORDINATE INSTALLATION AND ACCEPTANCE OF PRE–FABRICATED CURBS AND PENETRATIONS WITH ROOF MEMBRANE SUB–CONTRACTOR. GC TO PROVIDE ALL NECESSARY BLOCKING, NAILERS, ETC. AS NECESSARY FOR A WATERTIGHT AND WATERPROOF ROOF.
7. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO VERIFY, COORDINATE AND /OR INSTALL ALL ADJACENT AND/OR RELATED FLASHINGS, BLOCKINGS, NAILERS, INSULATION STOPS, CRICKETS, ETC. NECESSARY FOR THE COMPLETE INSTALLATION OF THE ROOF MEMBRANE WHICH ARE REQUIRED FOR A COMPLETE, WARRANTED, WATERTIGHT, WATERPROOF INSTALLATION.
8. ALL ROOF SLOPES ARE TO HAVE A MINIMUM 1/8" PER FT FALL WHERE CRICKET VALLEYS OCCUR. CRICKETS ARE TO BE PROVIDED WITH SUFFICIENT DEPTH AND SLOPE TO ACCOMMODATE A MINIMUM 1/8" PER FOOT FALL AT THE VALLEY.
9. ALL ROOF SLOPES HAVE A 1/4" PER FOOT FALL, UNLESS NOTED OTHERWISE.
10. CIVIL ENGINEER TO COORDINATE STORM SEWER CONNECTION WITH SITE PLANS.

ROOF PLAN LEGEND

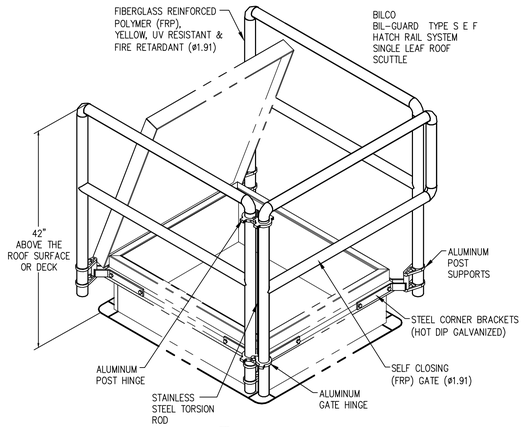
- COPING
- ROOF HATCH
- RTU # — ROOF TOP UNIT RE: CURB DETAIL, THIS SHT RE: MECH DWGS FOR DETAILS ON UNITS.
- NEW EPDM ROOFING MEMBRANE 60 MIL OVER RIGID INSULATION OVER EXISTING ROOF DECK
- 1/4" → SLOPE TAPERED INSULATION AT 1/4" PER FOOT
- SLOPE → SLOPE ROOF PER ROOF STRUCTURE

INSULATION MINIMUM VALUES	
ROOF	R=25

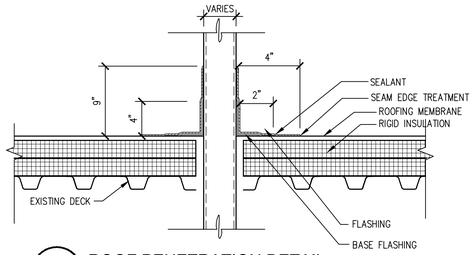


1 A–2.1 ROOF PLAN
SCALE: 1/16" = 1'–0"

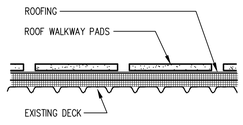
ROOF CLASSIFICATION – CLASS B
ROOF: EPDM 60 MIL



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



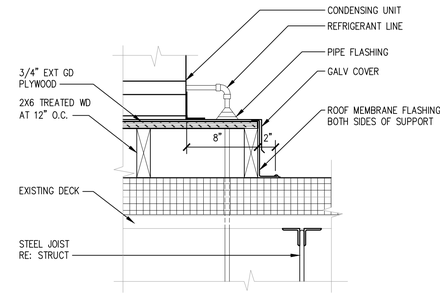
5 A–2.1 ROOF PENETRATION DETAIL
SCALE: 1 1/2" = 1'–0" RE: NOTES BY SYMBOL 16



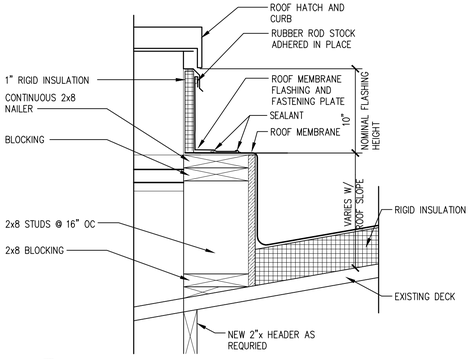
6 A–2.1 WALKWAY PAD DETAIL
SCALE: 1/2" = 1'–0" RE: NOTES BY SYMBOL 9

9 A–2.1 NOT USED
SCALE: 3/4" = 1'–0"

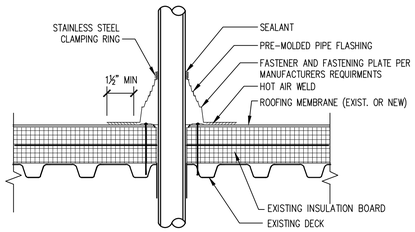
ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED & VERIFIED BY G.C. AT THE SITE.



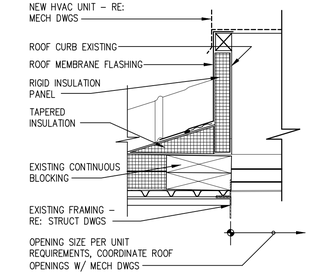
7 A–2.1 EQUIPMENT SUPPORT
SCALE: 1 1/2" = 1'–0" RE: NOTES BY SYMBOL 7



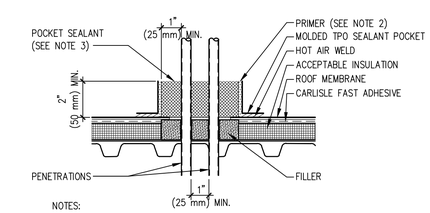
10 A–2.1 ROOF HATCH DETAIL @ SLOPING ROOF
SCALE: 1 1/2" = 1'–0" RE: NOTES BY SYMBOL 8



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



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



8 A–2.1 ROOF HATCH DETAIL
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 A–2.1 SEALANT POCKET
SCALE: 3" = 1'–0" RE: NOTES BY SYMBOL 2 6

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JUL 25 2014

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1 03/27/14 REVISED PER REVIEW COMMENTS
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DRAWING BY: JRY
DATE: 14 JAN 2014
JOB NUMBER: 6312–269

TITLE:

ROOF PLAN & DETAILS

SHEET NUMBER:

A-2.1

COMMENTS:

PERMIT SET