Robert W. Depke Juvenile Justice Complex Roof Replacement

24647 North Milwaukee Avenue Vernon Hills, Illinois 60061

JUNE 18, 2018

INDEX OF DRAWINGS

A4.4 ROOF DETAILS .MECHANICAL ELECTRICAL PLUMBING. RP-D-1.0 MEP DEMO PLAN - ROOF RP-1.0 MEP NEW WORK PLAN - ROOF

GENERAI DEPKE ROOF R

MTG MOUNTING

MTWR MEDIUM TEMP HOT WATER RETURN

MTWS MEDIUM TEMP HOT WATER SUPPLY

MTL METAL

MUL MULLION

MV MERCURY VAPOR

MV MEDICAL VACUUM

NITROGEN

NORTH

N2O NITROUS OXIDE

N/A NOT APPLICABLE

MW MARKER WALL

RFM RECESSED FLOOR MAT

RELIEF HOOD

REHEAT COIL

ROBE HOOK

ROOM

RO ROUGH OPENING

RND ROUND

RELATIVE HUMIDITY

REFRIGERANT HOT GAS

ROUGH IN AND CONNECT

RISE IN JOIST SPACE

REFRIGERANT LIQUID

TOTAL STATIC PRESSURE

TOILET TISSUE DISPENSER

TERRAZZO TILE

TELEVISION

TYPICAL

URINAI

UG UNDERGROUND

UNIT COOLER

TW TACK WALL

TYP

TEMPERATURE TRANSMITTER

EXH EXHAUST

EXIST EXISTING

EXP EXPANSION

EXPL EXPLOSION

EXT EXTERIOR

FAHRENHEIT

FIRELINE

FURNACE

FIRE ALARM

FRESH AIR

FAB FABRICATED

EXP EXPOSED

HTR HEATER

HUM HUMIDIFIER

HERTZ

HWS

HZ

HTWR HIGH TEMP HOT WATER RETURN

HTWS HIGH TEMP HOT WATER SUPPLY

DOMESTIC HOT WATER

HEAT EXCHANGER

HEATING VENTILATING UNIT

HVAC HEATING VENTILATING AND AIR CONDITIONING

DOMESTIC HOT WATER RECIRCULATING

LOW TEMP HOT WATER RETURN

LOW TEMP HOT WATER SUPPLY

CONN CONNECT

CONN CONNECTION

CONST CONSTRUCTION

CONTR CONTRACTOR OR CONTRACT

CONDENSER PUMP

CONDENSER WATER RETURN

COVER PLATE

CPS CYCLES PER SECOND

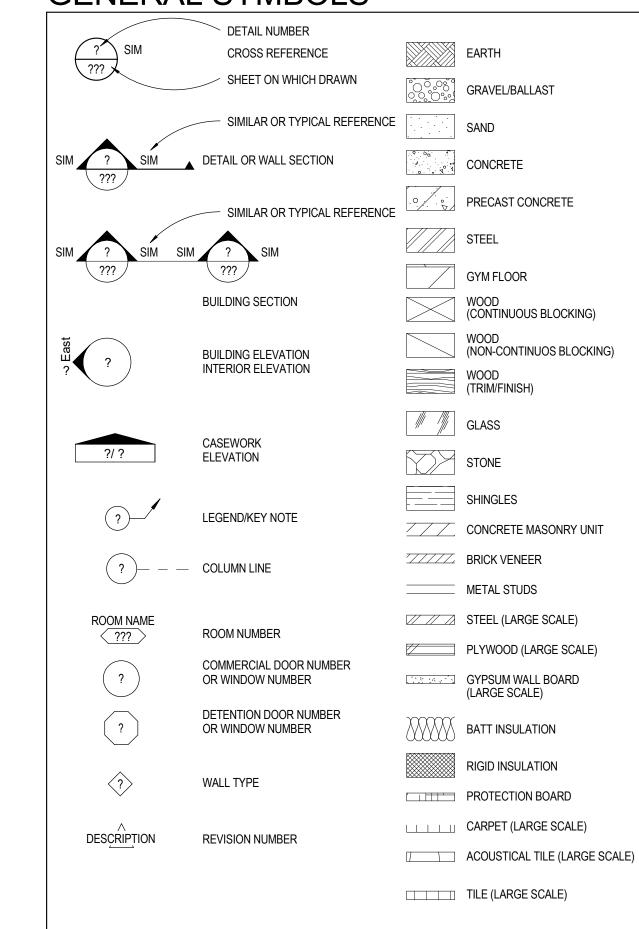
CARPET

CONT CONTINUOUS

CONV CONVECTOR

CORR CORRIDOR

GENERAL SYMBOLS



GENERAL NOTES

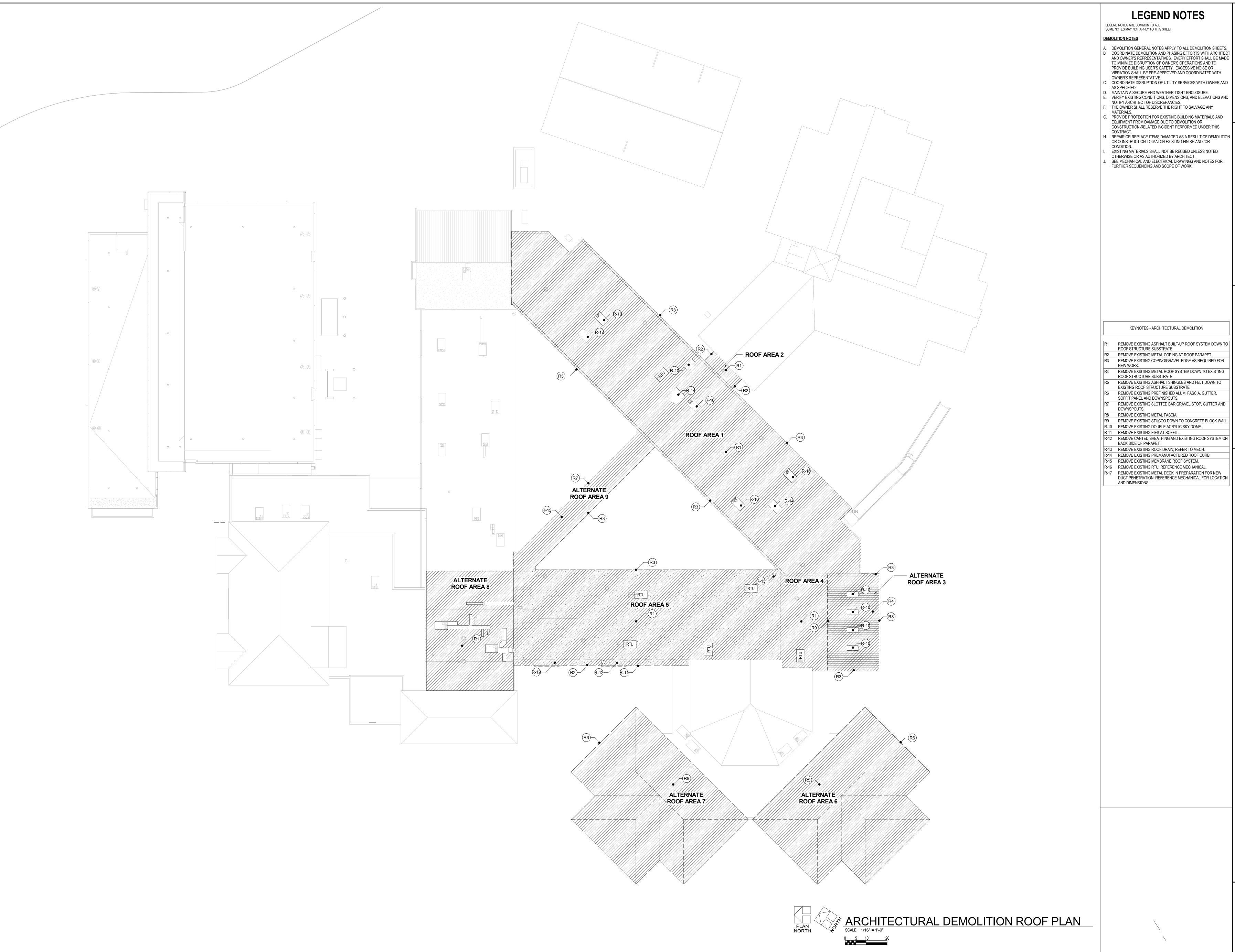
- 1. GENERAL NOTES APPLY TO ALL DRAWINGS 2. ALL DIMENSIONS ARE ACTUAL AND ARE TO FACE OF METAL STUDS, FACE OF MASONRY OR CENTERLINE OF COLUMN,
- 3. ALL ASPECTS OF THE WORK AND ITEMS NOT SPECIFICALLY MENTIONED, BUT WHICH ARE NECESSARY TO MAKE A COMPLETE WORKING INSTALLATION, SHALL BE INCLUDED, AND INDICATED IN THE CONTRACTORS BID.
- 4. NO ASBESTOS OR PCB CONTAINING MATERIALS SHALL BE USED ON THIS PROJECT.
- 5. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS ARE RESPONSIBLE FOR PROPER REMOVAL AND DISPOSAL OF ALL DEBRIS GENERATED BY CONSTRUCTION OF THIS PROJECT. THE REMOVAL AND DISPOSAL OF ALL CONSTRUCTION DEBRIS SHALL BE IN FULL COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. THE PREMISES SHALL BE KEPT CLEAN AND FREE FROM ALL WASTE MATERIALS.

MATERIALS OR EQUIPMENT.

6. GENERAL CONTRACTOR SHALL PROTECT NEW CONSTRUCTION FROM DAMAGE BY ALL TRADES. ALL SUCH DAMAGE CAUSED BY THE CONTRACTOR DURING THE COURSE OF THIS WORK SHALL BE REPAIRED OR REPLACED AT THE CONTRACTORS EXPENSE. 7. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL DIMENSIONS AND FIELD

CONDITIONS PRIOR TO ORDERING OR INSTALLING

G0.122-17132-5°



- A. DEMOLITION GENERAL NOTES APPLY TO ALL DEMOLITION SHEETS.
 B. COORDINATE DEMOLITION AND PHASING EFFORTS WITH ARCHITECT AND OWNER'S REPRESENTATIVES. EVERY EFFORT SHALL BE MADE TO MINIMIZE DISRUPTION OF OWNER'S OPERATIONS AND TO PROVIDE BUILDING USER'S SAFETY. EXCESSIVE NOISE OR VIBRATION SHALL BE PRE-APPROVED AND COORDINATED WITH
- COORDINATE DISRUPTION OF UTILITY SERVICES WITH OWNER AND D. MAINTAIN A SECURE AND WEATHER-TIGHT ENCLOSURE. VERIFY EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS AND
- G. PROVIDE PROTECTION FOR EXISTING BUILDING MATERIALS AND EQUIPMENT FROM DAMAGE DUE TO DEMOLITION OR CONSTRUCTION-RELATED INCIDENT PERFORMED UNDER THIS
- EXISTING MATERIALS SHALL NOT BE REUSED UNLESS NOTED OTHERWISE OR AS AUTHORIZED BY ARCHITECT.
 SEE MECHANICAL AND ELECTRICAL DRAWINGS AND NOTES FOR

R1 REMOVE EXISTING ASPHALT BUILT-UP ROOF SYSTEM DOWN TO ROOF STRUCTURE SUBSTRATE. R2 REMOVE EXISTING METAL COPING AT ROOF PARAPET.

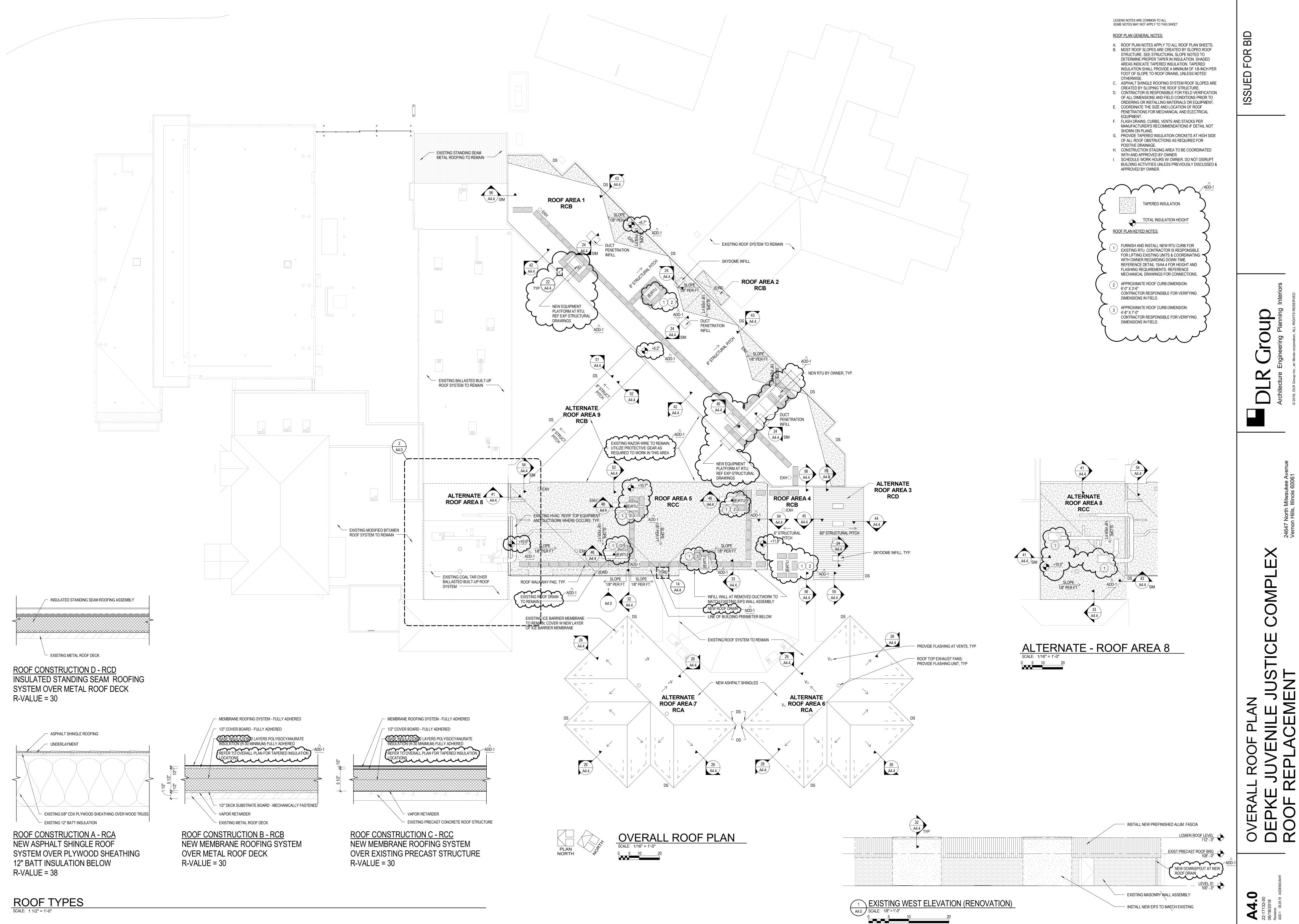
R4 REMOVE EXISTING METAL ROOF SYSTEM DOWN TO EXISTING R5 REMOVE EXISTING ASPHALT SHINGLES AND FELT DOWN TO

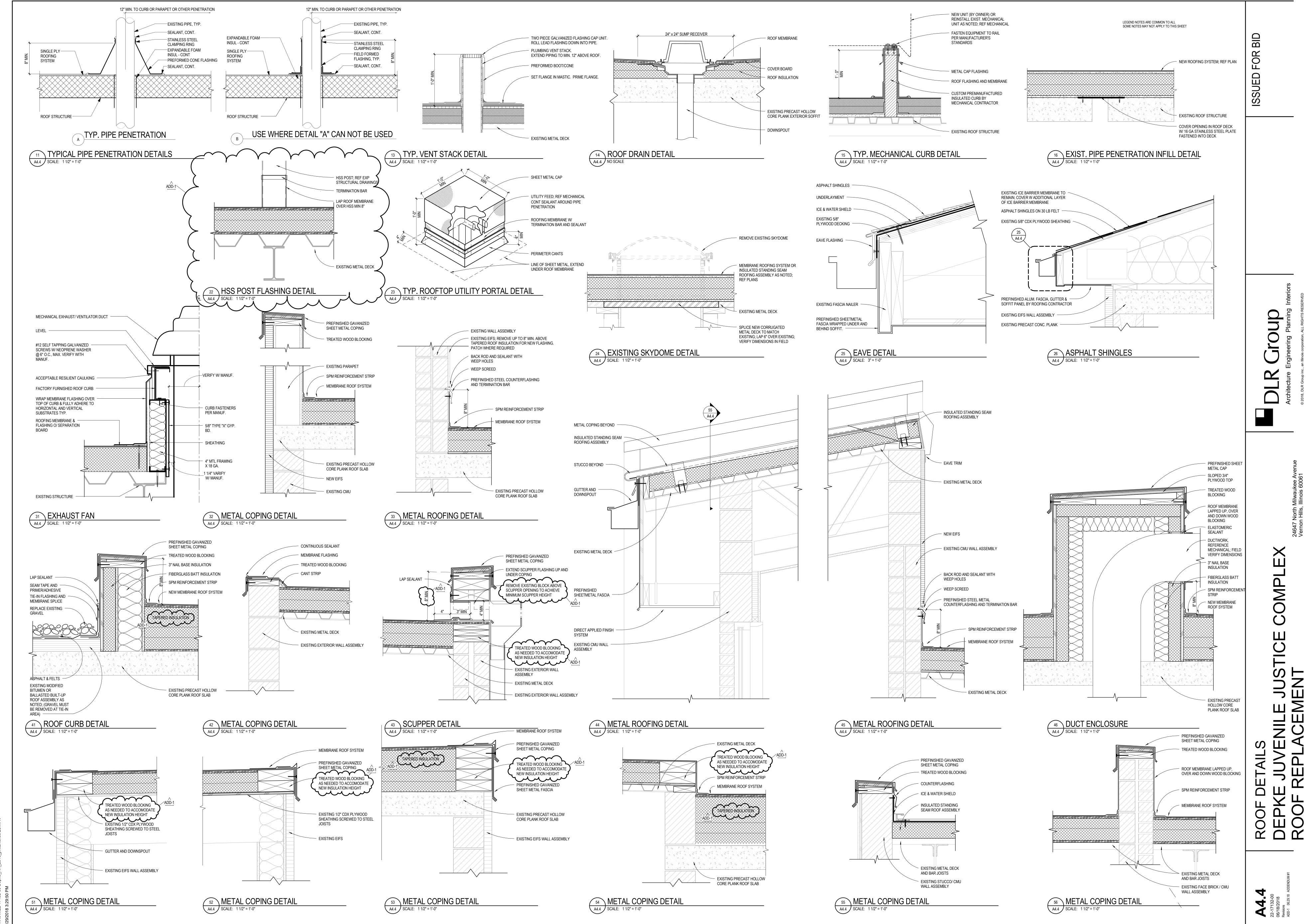
R-14 REMOVE EXISTING PREMANUFACTURED ROOF CURB.

dn

ARCHITECTURAL DEPKE JUVENI ROOF REPLACI

AD4.022-17132-00
06/18/2018
Revisions
ADD-1 06.29.18 ADD-1-106.29.18

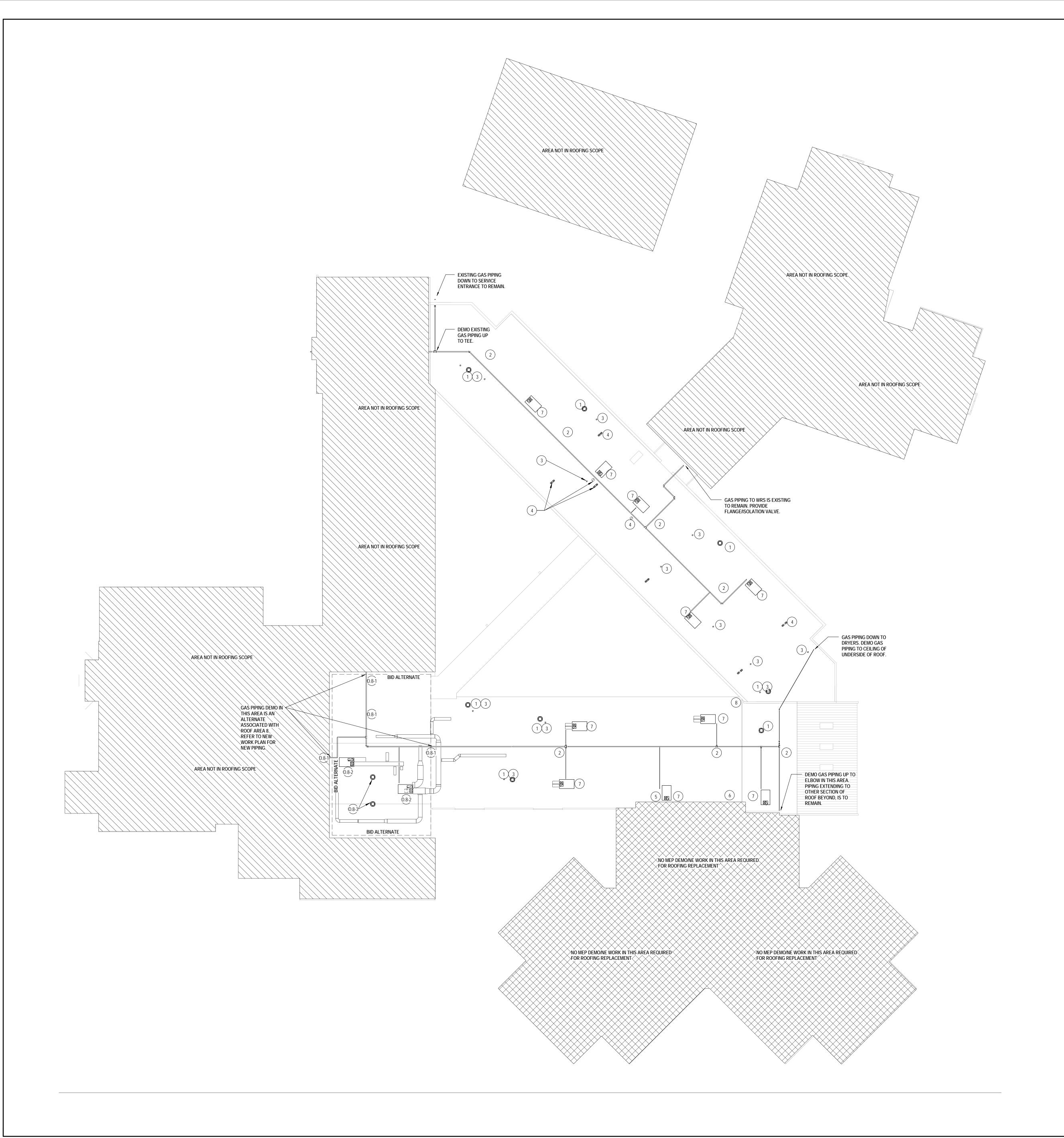




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& EXHAUSTS, ETC. ARE INDICATED ON THIS PLAN. IT IS THE

AREA OF NEW ROOFING WORK.



ROOF PLAN KEYED NOTES NO

- 1. EXISTING EXHAUST FAN CURB TO BE DEMOLISHED IN ITS ENTIRETY. EXISTING ELECTRICAL FEEDER, CONDUIT, DISCONNECT, LOW VOLTAGE WIRING & CONDUIT, ETC, SHALL BE DEMOLISHED AS REQUIRED FOR NEW ROOF INSTALLATION. CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION OF OPENING DURING CONSTRUCTION. REFER TO NEW WORK PLAN AND DETAIL FOR NEW CURB REQUIREMENTS.
- CONTRACTOR SHALL DEMOLISH EXISTING GAS PIPING, ANCHORS, SUPPORTS, CONNECTIONS TO RTUS, ETC PER THE EXTENTS SHOWN ON THIS SHEET. NEW GAS PIPING SHALL BE INSTALLED AT AN ELEVATION AS REQUIRED FOR HEIGHT OF NEW ROOF. REFER TO NEW WORK PLAN AND DETAILS FOR ADDITIONAL INFORMATION.
- . CONTRACTOR SHALL DEMO ALL EXISTING PLUMBING VENT OPENINGS IN ALL AREAS OF NEW ROOF. CONTRACTOR SHALL INSTALL NEW PLUMBING VENTS AS REQUIRED FOR HEIGHT OF NEW ROOF. REFER TO NEW WORK PLAN AND DETAILS FOR ADDITIONAL INFORMATION. 4. CONTRACTOR SHALL DEMO EXISTING COMBUSTION AIR AND VENT
- OPENINGS. REFER TO ARCHITECTURAL DETAILS FOR ROOF INFILL. 5. DEMO EXTERIOR SUPPLY DUCT OFF OF EXISTING RTU THAT PENETRATES THROUGH GYMNASIUM WALL. PREP EXISTING RTU FOR
- NEW DUCT CONNECTIONS PER NEW WORK DETAIL. REFER TO ARCHITECTURAL NEW WORK PLAN FOR WALL INFILL. 6. DEMO ABANDONED DUCT ON EXTERIOR OF GYMNASIUM WALL. REFER TO ARCHITECTURAL NEW WORK PLAN FOR WALL INFILL.
- 7. DEMOLISH EXISTING ROOF CURB, GAS CONNECTION, ELECTRICAL CONDUIT & CABLING, & CONTROLS CABLE AND CONDUIT IN PREPARATION FOR NEW ROOF CURB AND CONNECTIONS. FOR RTUS THAT HAVE HORIZTONAL DUCT TAKEOFFS LOCATED ON ROOF, CONTRACTOR SHALL MODIFY DUCT & DEMOLISH DUCT PENETRATION CURBS AS REQUIRED FOR NEW ROOF HEIGHT AND CONNECTION DETAILS. REFER TO NEW WORK PLAN AND DETAILS FOR ADDITIONAL
- INFORMATION. 8. DEMO EXISTING ROOF DRAIN & DRAIN BODY. REFER TO

ARCHITECTURAL DRAWINGS FOR ROOF INFILL DETAIL.

ROOF PLAN KEYED NOTES - BID ALTERNATE

- D.8-1 DEMO GAS PIPING IN THIS AREA AS INDICATED. REFER TO NEW WORK FOR ADDITIONAL INFO. D.8-2 DEMOLISH EXISTING ROOF CURB, GAS CONNECTION, ELECTRICAL CONDUIT & CABLING, & CONTROLS CABLE AND CONDUIT IN PREPARATION FOR NEW ROOF CURB AND CONNECTIONS.
- D.8-3 EXISTING EXHAUST FAN CURB TO BE DEMOLISHED IN ITS ENTIRETY. EXISTING ELECTRICAL FEEDER, CONDUIT, DISCONNECT, LOW VOLTAGE WIRING & CONDUIT, ETC, SHALL BE DEMOLISHED AS REQUIRED FOR NEW ROOF INSTALLATION. CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION OF OPENING DURING CONSTRUCTION. REFER TO NEW WORK PLAN AND DETAIL FOR NEW CURB REQUIREMENTS.

