COMMUNITY COLLEGE
OF RHODE ISLAND
Knight Campus

CCRI WARWICK ROOF
KNIGHT CAMPUS
400 EAST AVENUE
WARWICK, RHODE ISLAND
02886
KENT COUNTY
APRIL 21, 2020
FOR CONSTRUCTION

Project Design by:

AHARONIAN
& ASSOCIATES INC.
ARCHITECTS

310 George Washington Highway
Suite 100
Smithfield, Rhode Island
0 2 9 1 7
T 401-232-5010
F 401-232-5080
WWW.ARCH-ENG.COM

ABBREVIATION INDEX

&	AND
@	AT
A/C	AIR CONDITIONING
AF	ABOVE FLOOR
ALUM	ALUMINUM
ALT	ALTERNATE
APPROX	APPROXIMATE
BD	BOARD
BG	BELOW GRADE
BLDG	BUILDING BEAM
BM	BSMT BASEMENT
BTWN	BETWEEN
BOT	BOTTOM
C/L	CENTER LINE
CT	CERAMIC TILE
CLG	CEILING
CLO	CLOSET
CM	CONSTRUCTION MGR
CMU	CONC MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CONST	CONSTRUCTION
DEPT	DEPARTMENT
DTL	DETAIL
DIA/Ø	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DWG	DRAWING
EA	EACH
EL	ELEVATION
ELEC	ELECTRICAL
EQ	EQUAL
EQUIP	EQUIPMENT
ETR	EXIST TO REMAIN
EXIST	EXISTING
EXT	EXTERIOR
FCB	FIBER CEMENT BD
FD	FLOOR DRAIN
FIN	FINISH
FL	FLOOR
FO	FACE OF
FR	FIRE RETARDANT
FT	FOOT
FURN	FURNITURE
GA	GAUGE
GALV	GALVINIZED
GYP BD	GYPSUM BOARD
HDWD	HARDWOOD
HDR	HEADER
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HGT	HEIGHT
ID	INSIDE DIAMETER
INSUL	INSULATION
INT	INTERIOR
JT	JOINT
KIT	KITCHEN
LAM	LAMINATE
LAV	LAVATORY
LT	LIGHT
MAS	MASONRY
MAX	MAXIMUM
MECH	MECHANICAL
MTL	METAL
MANUF	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTD	MOUNTED
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OCH	ON CENTER HORIZONTALLY
OCV	ON CENTER VERTICALLY
OD	OUTSIDE DIAMETER
OPNG	OPENING
OPT	OPTIONAL
PL	PLATE
PLAM	PLASTIC LAMINATE
PLUMB	PLUMBING
PLYWD	PLYWOOD
PR	PAIR
PROP	PROPERTY
PSF	PER SQUARE FOOT
PSI	PER SQUARE INCH
PT	PRESSURE TREATED
PTD	PAINTED
PVC	POLY VINYL CHLORIDE
QT	QUARRY TILE
QTY	QUANTITY
RAD	RADIUS
REF	REFRIGERATOR
REINF	REINFORCING
REV	REVISION
REQD	REQUIRED
RES	RESILIENT
RM	ROOM
RO	ROUGH OPENING
SCHED	SCHEDULE
SEC	SECTION
SF	SQUARE FOOT
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
SUSP	SUSPENDED
TBD	TO BE DETERMINED
TEL	TELEPHONE
THK	THICK
THRU	THROUGH
TOP	TOP OF PLATE
TOS	TOP OF STEEL
TOSL	TOP OF SLAB
TRT	TREATED
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VIF	VERIFY IN FIELD
VWC	VINYL WALL COVERING
W/	WITH
WC	WATER CLOSET
WD	WOOD
W/O	WITHOUT
WP	WATERPROOFING
WT	WEIGHT
WWF	WELDED WIRE FABRIC

PROJECT DATA

CODES, RULES, REGULATIONS

FEDERAL, STATE AND MUNICIPAL LAWS

WARWICK, RHODE ISLAND RULES AND/OR REGULATIONS

RHODE ISLAND STATE BUILDING CODE - REGULATION SBC-1
(REF: INTERNATIONAL BUILDING CODE, 2012 ED)

RI STATE BUILDING CODE - PLUMBING CODE REGULATION SBC-3
(REF: INTERNATIONAL PLUMBING CODE 2012 ED)

RI STATE BUILDING CODE - ELECTRICAL CODE REGULATION SBC-5
(REF: NATIONAL ELECTRICAL CODE 2014 ED)

RI STATE BUILDING CODE - MECHANICAL CODE REGULATION SBC-4
(REF: INTERNATIONAL MECHANICAL CODE 2012 ED)

RI FIRE SAFETY CODE
(REF: NFPA 1 UNIFORM FIRE CODE & NFPA 101 LIFE SAFETY CODE 2012 ED)

ANSI 117.1-1 2003 W/
RI STATE BUILDING CODE SBC-17

ANY PREVAILING RULES, REGULATIONS PERTAINING TO ADEQUATE PROTECTION AND/OR GUARDING OF ANY MOVING PARTS OR OTHERWISE HAZARDOUS LOCATIONS.

ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 OR REVISIONS THERETO, WHICH ARE APPLICABLE DURING THE TERM OF THIS CONTRACT AND HOLD THE OWNER AND/OR HIS/HER AGENTS HARMLESS FROM ANY CLAIM OR LOSS THAT MAY RESULT FROM VIOLATIONS OF OR CLAIMS UNDER THIS ACT.

GRAPHIC SYMBOLS

X / AXX	SECTION OR DETAIL KEY NUMBER/SHEET
X / X-X	DETAIL KEY
———	ETR CONSTRUCTION
– – – –	EXIST CONSTRUCTION TO BE REMOVED
X	KEYED PLAN NOTES

INDEX OF DRAWINGS

DWG NO	DESCRIPTION
D1.1	DEMOLITION ROOF PLAN
D1.2	ENLARGED PARTIAL DEMOLITION ROOF PLAN
D1.3	ENLARGED PARTIAL DEMOLITION ROOF PLAN
D1.4	ENLARGED PARTIAL DEMOLITION ROOF PLAN
D2.1	DEMOLITION ROOF DETAILS
D2.2	DEMOLITION ROOF DETAILS
A1.1	ROOF PLAN
A1.2	ENLARGED PARTIAL ROOF PLAN
A1.3	ENLARGED PARTIAL ROOF PLAN
A1.4	ENLARGED PARTIAL ROOF PLAN
A2.1	ROOF DETAILS
A2.2	ROOF DETAILS

GENERAL ROOF DRAIN NOTES:

1) STAGING WILL BE NEEDED TO ACCESS THIS SCOPE FROM THE INTERIOR OF THE BUILDING BELOW.

2) GC SHALL ASSUME THAT STAGING AND/OR LIFTS WILL BE REQUIRED TO ACCESS ALL ROOF DRAIN LOCATIONS.

3) ADDED SCOPE WILL NOT BE ALLOWED FOR STAGING NOT ACCOUNTED FOR IN THE BID PROCESS.

4) GC SHALL PROTECT ALL INTERIOR FINISHES, FURNITURE & FLOORING AT ALL INTERIOR WORK AREAS. ANY DAMAGE INCURRED SHALL BE THE RESPONSIBILITY OF THE GC.

5) ROOF DRAINS LOCATED IN THE AREA OF THE ROUND BUILDING ARE PRIMARILY ACCESSIBLE FROM THE 6th FLOOR. (CONC ROOF DECK IS APPROX 15' ABOVE THE 6th FLOOR). FOR PRICING PROPOSES GC TO ASSUME THAT THESE ROOF DRAINS ARE ONLY ACCESSIBLE FROM THE 4th FLOOR OF THE LIBRARY (CONC ROOF DECK IS APPROX 33' ABOVE THE 4th FLOOR).

6) ROOF DRAINS LOCATED IN THE AREA OF THE SUPERSTRUCTURE ARE ACCESSIBLE FROM THE 6TH FLOOR (CONC ROOF DECK IS APPROX 15' ABOVE THE 6th FLOOR)

GENERAL DUMPSTER & CLEAN UP NOTES:

1) GC TO PROVIDE DUNNAGE FOR DUMPSTER.

2) GC TO PROVIDE CHUTE FROM ROOF TO NEW DUMPSTER. COORDINATE w/ ENTRANCES/WALKWAYS BELOW AND PROVIDE PROTECTION FOR PEDESTRIANS.

3) LEAVE THE PREMISES IN A SAFE, CLEAN AND RELATIVELY ORDERLY CONDITION UPON COMPLETION OF WORK AT THE END OF EACH WORKING DAY.

4) GC TO COVER DUMPSTER AT THE END OF EACH WORKING DAY.

5) ALL ROOFING MATERIAL TO BE LOADED FROM AREA DESIGNATED BY CCRI.

6) GC TO PROVIDE PROTECTION, SIGNAGE & BARRIERS AS REQUIRED.

7) ALL MATERIAL STAGING SHALL BE LOCATED IN AS DIRECTED BY CCRI.

LEGEND

DIRECTION OF SLOPE

SURFACE MOUNTED CABLES

ROOF DRAIN

GENERAL NOTE:

- GC TO ENSURE THE ENTIRE ROOF IS SEALED WEATHER TIGHT AT THE END OF EACH WORKING DAY, BEFORE LEAVING THE SITE.

KEYED DEMOLITION NOTES

D# ROOF DEMO NOTES

D1 **ROOF DRAINS:** REMOVE & DISPOSE OF ENTIRE ROOF DRAIN ASSEMBLY. REMOVE PORTION OF ROOF DRAIN LEADER DOWN TO AND INCLUDING ELBOW. - SEE 10/D2.1 & 7/A2.2. ASSUME ALL ROOF DRAINS @ MAIN SUPERSTRUCTURE TO BE 8" ROOF DRAIN LEADERS & ALL ROOF DRAINS @ THE ROUND BUIDING/LIBRARYTO BE 6" ROOF DRAIN LEADERS.

D2 **VENTILATION LOUVER CURBS + FLASHING:** REMOVE & DISPOSE OF EPDM MEMBRANE & TERMINATION BAR AT PERIMETER OF CURBS & SLEEPERS - SEE 6/D2.2.

D3 **PIPE PENETRATIONS THRU ROOF:** REMOVE & DISPOSE OF POURABLE SEALER, SOLID FILLER & EXIST METAL DAM - SEE 4/D2.1.

D4 **SMOKEHATCHES AT STAIRWELLS:** REMOVE & DISPOSE OF EPDM MEMBRANE & SEALER - SEE 2/D2.2.

D5 REMOVE & DISPOSE OF METAL ROOF EDGE.

D6 REMOVE CONDUIT/PIPE SUPPORTS. GC SHALL PROVIDE FOR REMOVAL & REINSTALLATION OF ALL CONDUIT, PIPE AND GAS LINES. IF IT IS DEEMED FEASIBLE FOR EXISTING CONDUIT, PIPE AND GAS LINES TO REMAIN IN PLACE DURING INSTALLATION OF NEW ROOFING SYSTEM TEMPORARY SUPPORT SHALL BE PROVIDED UNTIL NEW SUPPORTS HAVE BEEN INSTALLED.

D7 REMOVE, SALVAGE & REINSTALL LADDER & ALL RELATED ACCESSORIES.

D8 AFTER THE REMOVAL OF ALL COMPONENTS NOTED & SHOWN GC SHALL REMOVE & DISPOSE EXIST MEMBRANE IN ITS ENTIRETY, INCLUDING HORIZONTAL, VERTICAL AND SLOPED SURFACES, CURB FLASHING, TURNS, RETURNS AND FLASHINGS.

D9 REMOVE & DISPOSE OF WOOD BLOCKING.

D10 REMOVE & DISPOSE OF TAPERED INSULATION CRICKET.

D11 REMOVE & DISPOSE EXIST RIGID INSULATION DOWN TO EXISTING STRUCTURAL CONCRETE ROOF DECK ROOF IN ITS ENTIRETY, INCLUDING ANY PORTIONS OF TAPERED INSULATION.

D12 REMOVE & SALVAGE EXISTING DUCTWORK, FAN, DUCTWORK SUPPORTS & ASSOCIATED EQUIPMENT FOR REINSTALLATION. GC TO PROVIDE A CONDITIONS REPORT FOR THE EQUIPMENT BEFORE IT IS REMOVED. ANY DAMAGE INCURRED DURING REMOVAL, TEMPORARY STORAGE OR REINSTALLATION SHALL BE THE RESPONSIBILITY OF THE GC. COORDINATE TIMING OF SHUT DOWN & REMOVAL OF FAN & DUCTWORK WITH OWNER. PROVIDE WEATHERPROOF CAP ON ANY EXISTING TO REMAIN DUCTWORK.

D13 REMOVE & SALVAGE CAMERA & CAMERA MOUNTING BRACKET / HARDWARE. COORDINATE TIMING OF REMOVAL w/ CCRI. GC SHALL UTILIZE CAMERA WARRANTY HOLDER/ APPROVED VENDOR FOR REMOVAL, STORAGE & REINSTALLATION OF CAMERA & MOUNTING SYSTEM.

1 DEMOLITION ROOF PLAN
SCALE: NOT TO SCALE

N
PLAN

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AHARONIAN
& ASSOCIATES INC.
ARCHITECTS

310 George Washington Highway
Suite 100
Smithfield, Rhode Island
0 2 9 1 7

T 401-232-5010
F 401-232-5080
WWW.ARCH-ENG.COM

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KEYPLAN

REVISIONS

NUMBER	REMARKS	DATE

FOR CONSTRUCTION

PROJECT TITLE

CCRI WARWICK ROOF
KNIGHT CAMPUS

400 EAST AVE.
WARWICK, RI 02886
Kent County

DRAWING TITLE

DEMOLITION
ROOF PLAN

DATE	PROJ NO
APRIL 21, 2020	20029
DRAWN BY	CHECKED BY
NJB	DH

DRAWING NUMBER

D1.1

1 PARTIAL ENLARGED DEMOLITION ROOF PLAN
SCALE: 1/8" = 1'-0"

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KEYPLAN

REVISIONS

NUMBER	REMARKS	DATE

JOHN A. AHARONIAN
No. 4109
REGISTERED ARCHITECT
RHODE ISLAND

FOR CONSTRUCTION

PROJECT TITLE

COMMUNITY COLLEGE OF RHODE ISLAND

CCRI WARWICK ROOF
KNIGHT CAMPUS

400 EAST AVE.
WARWICK, RI 02886
Kent County

DRAWING TITLE
PARTIAL ENLARGED DEMOLITION ROOF PLAN

DATE	PROJ NO
APRIL 21, 2020	20029
DRAWN BY	CHECKED BY
NJB	DH

DRAWING NUMBER
D1.2

1 PARTIAL ENLARGED DEMOLITION ROOF PLAN
SCALE: 1/8" = 1'-0"

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CCRI WARWICK ROOF
KNIGHT CAMPUS

400 EAST AVE.
WARWICK, RI 02886
Kent County

DRAWING TITLE

PARTIAL ENLARGED DEMOLITION ROOF PLAN

DATE	PROJ NO
APRIL 21, 2020	20029
DRAWN BY	CHECKED BY
NJB	DH

DRAWING NUMBER

D1.3

1 PARTIAL ENLARGED DEMOLITION ROOF PLAN
SCALE: 1/8" = 1'-0"

N PLAN

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KEYPLAN

REVISIONS

NUMBER	REMARKS	DATE

JOHN A. AHARONIAN
No. 4309
REGISTERED ARCHITECT
RHODE ISLAND

FOR CONSTRUCTION

PROJECT TITLE

CCRI COMMUNITY COLLEGE OF RHODE ISLAND

CCRI WARWICK ROOF
KNIGHT CAMPUS

400 EAST AVE.
WARWICK, RI 02886
Kent County

DRAWING TITLE
PARTIAL ENLARGED DEMOLITION ROOF PLAN

DATE	PROJ NO
APRIL 21, 2020	20029
DRAWN BY	CHECKED BY
NJB	DH

DRAWING NUMBER
D1.4

11 D2.1 ROOF EXPANSION JOINT DETAIL
SCALE: 1-1/2" = 1'-0"

9 D2.1 TYP. ADDITION ROOF DETAIL
SCALE: 1-1/2" = 1'-0"

8 D2.1 TYP. ROOF EDGE DETAIL
SCALE: 1-1/2" = 1'-0"

7 D2.1 TYP. LOUVER DETAIL
SCALE: 1-1/2" = 1'-0"

10 D2.1 ROOF DRAIN DETAIL
SCALE: 1-1/2" = 1'-0"

6 D2.1 TYP. DUCT WORK SUPPORT DETAIL
SCALE: 1-1/2" = 1'-0"

5B D2.1 TYP. COLUMN PLATE DETAIL
SCALE: 1-1/2" = 1'-0"

5A D2.1 TYP. COLUMN PLATE DETAIL
SCALE: 1-1/2" = 1'-0"

4 D2.1 TYP. CURB DETAIL
SCALE: 1-1/2" = 1'-0"

3 D2.1 TYP. CURB DETAIL
SCALE: 1-1/2" = 1'-0"

2 D2.1 TYP. WALLBASE DETAIL
SCALE: 1-1/2" = 1'-0"

1 D2.1 TYP PIPE PENETRATION DETAIL
SCALE: 1-1/2" = 1'-0"

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KNIGHT CAMPUS

400 EAST AVE.
WARWICK, RI 02886
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DRAWING TITLE

DEMOLITION
ROOF DETAILS

DATE	PROJ NO
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DRAWING NUMBER

D2.1

4 D2.1 TYP. CURB DETAIL
SCALE: 1-1/2" = 1'-0"

3 D2.2 DUCTWORK PENETRATION DTL
SCALE: 1-1/2" = 1'-0"

2 D2.2 FLUE & SHEILD DETAIL
SCALE: 1-1/2" = 1'-0"

5 D2.2 RTU CURB DETAIL
SCALE: 1-1/2" = 1'-0"

1 D2.2 ROOF EXPANSION JOINT DETAIL
SCALE: 1-1/2" = 1'-0"

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KEYPLAN

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JOHN A. AHARONIAN
No. 4389
REGISTERED ARCHITECT
RHODE ISLAND

FOR CONSTRUCTION

PROJECT TITLE

CCRI COMMUNITY COLLEGE OF RHODE ISLAND

CCRI WARWICK ROOF
KNIGHT CAMPUS

400 EAST AVE.
WARWICK, RI 02886
Kent County

DRAWING TITLE

DEMOLITION
ROOF DETAILS

DATE	PROJ NO
APRIL 21, 2020	20029
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NJB	DH

DRAWING NUMBER

D2.2

NOTE:

1) SEE PROJECT MANUAL FOR SPECIFICATIONS.

LEGEND

- DIRECTION OF SLOPE
- TAPERED INSULATION 1/4" PER FT SLOPE
- WALKWAY PADS
- ROOF DRAIN

GENERAL ROOF DRAIN NOTES & BASIS OF DESIGN SPECIFICATION:

1) STAGING WILL BE NEEDED TO ACCESS THIS SCOPE FROM THE INTERIOR OF THE BUILDING BELOW.

2) GC SHALL ASSUME THAT STAGING AND/OR LIFTS WILL BE REQUIRED TO ACCESS ALL ROOF DRAIN LOCATIONS.

3) ADDED SCOPE WILL NOT BE ALLOWED FOR STAGING NOT ACCOUNTED FOR IN THE BID PROCESS.

4) GC SHALL PROTECT ALL INTERIOR FINISHES, FURNITURE & FLOORING AT ALL INTERIOR WORK AREAS. ANY DAMAGE INCURRED SHALL BE THE RESPONSIBILITY OF THE GC.

5) ROOF DRAINS LOCATED IN THE AREA OF THE ROUND BUILDING ARE PRIMARILY ACCESSIBLE FROM THE 6th FLOOR. (CONC ROOF DECK IS APPROX 15' ABOVE THE 6th FLOOR). FOR PRCING PROPOSES GC TO ASSUME THAT THESE ROOF DRAINS ARE ONLY ACCESSIBLE FROM THE 4th FLOOR OF THE LIBRARY (CONC ROOF DECK IS APPROX 33' ABOVE THE 4th FLOOR).

6) ROOF DRAINS LOCATED IN THE AREA OF THE SUPERSTRUCTURE ARE ACCESSIBLE FROM THE 6TH FLOOR (CONC ROOF DECK IS APPROX 15' ABOVE THE 6th FLOOR)

7) BASIS OF DESIGN - FIGURE NUMBER 1010 AS MANUFACTURED BY JAY R SMITH. PROVIDE GALVANIZED CAST IRON DOME. 8" OUTLET SIZE @ MAIN ROOF DRAINS & 6" OUTLET SIZE @ ROUND BUILDINGS/LIBRARY DRAINS. G.C. SHALL FIELD VERIFY ALL DRAIN SIZES PRIOR TO ORDERING UNITS.

8) REPLACE PORTION OF CAST IRON ROOF DRAIN LEADER IN KIND. SCOPE OF LEADER REPLACEMENT SHALL INCLUDE VERTICAL RISER FROM DRAIN PIPING UP TO DRAIN & ELBOW/WYE. PROVIDE REPLACEMENT OF ADJACENT CLEAN OUT (WHERE DRAIN IS AT THE END OF A RUN).

WIND UPLIFT RESISTANCE TEST NOTES:

1) FINAL ACCEPTANCE OF THE ROOF COVERING INSTALLATION SHALL BE CONDITIONAL TO SUCCESSFUL UPLIFT TESTING IN ACCORDANCE WITH FM GLOBAL DATA SHEET 1-52. FIELD VERIFICATION OF ROOF WIND UPLIFT RESISTANCE. GC SHALL ACCOUNT FOR ANY FEE'S AND TIME ASSOCIATED WITH THIS TESTING IN THEIR CONTRACT.

2) GC SHALL ACCOUNT FOR ANY FEE'S AND TIME ASSOCIATED WITH THIS TESTING IN THEIR CONTRACT

GENERAL NOTE:

- GC TO ENSURE THE ENTIRE ROOF IS SEALED WEATHER TIGHT AT THE END OF EACH WORKING DAY.

KEYED WORKING NOTES

1. REINSTALL EXISTING FAN, DUCTWORK & SUPPORTS. GC SHALL PROVIDE ALL ELECTRICAL & CONTROL CONNECTIONS TO UNIT AND STARTUP.
2. PROVIDE NEW ROOFTOP SUPPORT SYSTEM COMPRISING OF RUBBER BLOCKS, CHANNELS & ADDITIONAL ACCESSORIES (ROLLERS, THREADED ROD RISERS, SANCTIONS) AT ALL CONDUIT, PIPING & GAS LINES. NEW SUPPORTS SHOULD MATCH EXISTING REMOVED SIZE & STYLE. BASIS OF DESIGN SHALL BE THE DURA-BLOK FAMILY OF PRODUCTS AS MANUFACTURED BY EATON B-LINE.
3. REINSTALL EXISTING CAMERA & ASSOCIATED CAMERA MOUNTING SYSTEM. PROVIDE MEMBRANE REINFORCING STRIP @ MOUNTING LOCATION. GC SHALL UTILIZE CAMERA WARRANTY HOLDER/ APPROVED VENDOR FOR REMOVAL, STORAGE & REINSTALLATION OF CAMERA & MOUNTING SYSTEM. PROVIDE FOR REQUIRED PROGRAMMING & STARTUP.
4. INSTALL NEW WALK-WAY PADS AS INDICATED ON PLANS. WALKWAY PADS SHOULD PROVIDE ACCESS TO AND AROUND ALL ROOF MOUNTED EQUIPMENT & STRUCTURES.
5. REINSTALL SALVAGED ROOF ACCESS LADDER. PROVIDE BLOCKING & REINFORCING @ ALL MOUNTING POINTS.
6. GC TO PROVIDE NEW 6x12 SCUPPER & 4x6 DOWNSPOUT. MATERIAL & FINISH TO MATCH METAL ROOF EDGE. PROVIDE SPLASH BLOCK @ BASE OF DOWNSPOUT.

ROOF SYSTEM

A

- NEW MEMBRANE ROOFING SYS
- NEW 5/8" GYPSUM COVER BOARD
- NEW 5" RIGID INSULATION
- TAPERED @ PENTHOUSES
- ETR ROOF STRUCTURE (STRUCTURAL CONCRETE ROOF DECK)

ALL ROOFING ZONES.
FM GLOBAL ROOF NAV #2281143-0-0 (1-195 UPLIFT RATING)

A) PRIME STRUCTURAL CONCRETE ROOF DECK WITH CAV-GRIP III PRIOR TO ADHERING THE FIRST LAYER OF INSULATION

B) ENSURE INSULATION BOARD MAINTAINS A MINIMUM THICKNESS OF 1.5" & MAXIUMUM THICKNESS OF 12".

C) POLYISO INSULATION BOARDS SHALL BE ADHERED WITH FLEXIBLE FAST ADHESIVE BEADS SPACED AT 12" OC IN THE FIELD AND AT 6" OC AT THE PERIMETER/CORNERS.

D) GYPSUM COVER BOARD SHALL BE ADHERED WITH FLEXIBLE FAST ADHESIVE BEADS SPACED AT 12" OC IN THE FIELD AND AT 6" OC AT THE PERIMETER/CORNERS.

E) ENSURE COVER ADHESIVE IS APPLIED AT 0.83 GAL/SQ. TO BOTH THE UNDERSIDE OF THE ROOF COVER & THE SUBSTRATE.

ADD ALT #1:

G.C. TO PROVIDE ADD ALTERNATE FOR USE OF TAPERED INSULATION TO MATCH EXISTING DRAINAGE SCHEME. IN THIS ALTERNATE IT SHALL BE ASSUMED THAT THE EXISTING DECK IS LEVEL & NOT TAPERED.

NEW ROOFING SYSTEM NOTES:

1) PRIOR TO THE START OF WORK GC SHALL REVIEW W/ MEMBRANE MANUFACTURER & THE ROOF CONTRACTOR THAT HOLDS THE CURRENT WARRANTY FOR THE EXISTING MEMBRANE ROOF ALL ASPECTS OF WORK SCOPE THAT ARE DIRECTLY RELATED TO THE REQUIRED CONDITIONS NECESSARY FOR FULL MANUFACTURER'S WARRANTY INCLUDING ALL CONNECTIONS TO THE EXISTING ADJACENT ROOF. ANY CHANGE RESULTING FROM MANUFACTURER'S REQUEST & W/ FINANCIAL IMPACT SHALL BE ADDRESSED TO OWNER & ARCHITECT.

2) GC SHALL INSTALL NEW 5" RIGID INSULATION TO PERFORM R-VALUE = R-30, PER 2015 INTERNATIONAL ENERGY CONSERVATION CODE.

3) GC SHALL PROVIDE NEW TAPERED INSULATION AS REQUIRED TO MAINTAIN ROOF SLOPES & DRAINAGE SCHEME EXACTLY AS EXISTING ROOF.

4) INSTALL NEW MEMBRANE SYSTEM PER MANUF'S RECOMMENDATIONS.

5) SEE DWG A2.1 & A2.2 FOR ALL RELATED ROOF DETAILS.

6) SEE PROJECT MANUAL FOR SPECIFICATIONS & GENERAL WORK GUIDELINES.

GENERAL CONTRACTOR NOTES:

1) GC SHALL CONFIRM THAT ALL ROOF-MOUNTED EQUIPMENT, i.e., EXHAUST FANS, AIR CONDITIONING UNITS, GAS FLUE, ETC., SHALL BE SECURED TO WITHSTAND A WIND SPEED OF 145 MPH, IN ACCORDANCE WITH FM GLOBAL DATA SHEET 1-28, SECTION 3.8.1 THIS SHALL INCLUDE ENSURING ALL EQUIPMENT IS SECURED TO THE ROOF STRUCTURE & ENSURING ALL PANELS OF SUCH EQUIPMENT & FIXTURES ARE SECURED.

2) GC SHALL PROVIDE DESIGNED ANCHORAGE & RESISTANCE TO OVERTURNING FOR ALL ROOF MOUNTED EQUIPMENT SCHEDULED TO BE REMOVED & REINSTALLED. THIS SHALL BE CONDUCTED BY A LICENSED STRUCTURAL ENGINEER IN THE STATE OF RHODE ISLAND. ALL FEES & TIME ASSOCIATED W/ THIS DESIGN SHALL BE ACCOUNTED FOR IN GC'S CONTRACT.

3) GC SHALL LIMIT THE AMOUNT OF COMBUSTIBLES IN THE CONSTRUCTION AREA & PROVIDE GOOD HOUSEKEEPING STANDARDS. COMBUSTIBLE RUBBISH SHALL BE DISPOSED SAFELY & PROMPTLY.

4) GC SHALL INSTALL ONLY AS MUCH ROOF INSULATION THAT CAN BE COVERED W/ ROOF COVERING IN A SINGLE WORKING DAY, OR PRIOR TO THE EXPECTED START OF INCLEMENT WEATHER. ROOF COVER EDGES SHALL BE SEALED LOOSE AT THE END OF EACH DAY TO MINIMIZE POTENTIAL MOISTURE DAMAGE.

5) IT IS PROHIBITED SMOKING ON THE ROOFS AT ANY TIME. SMOKING SHALL BE PERMITTED ONLY IN SAFE DESIGNATED AREAS PROVIDED W/ ADEQUATE DISPOSAL CONTAINERS. POSTED SMOKING POLICY SIGNS SHALL BE PROVIDED THROUGHOUT THE AREA.

6) ONCE THE JOB IS LOADED WITH MATERIALS, GC SHALL LOCATE COVER BOARDS AND INSULATION ON DUNNAGE. IN ADDITION, THE COVER BOARDS AND INSULATION SHALL BE COVERED AT THE END OF EACH DAY TO AVOID MOISTURE DAMAGE IN POTENTIAL RAINSTORMS AND SNOW STORMS.

7) GC SHALL PROVIDE MINIMUM OF TWENTY 10 LB ABC FIRE EXTINGUISHERS AVAILABLE AT THE WORK AREA DURING THE ROOF CONSTRUCTION.

1 ROOF PLAN
SCALE: NOT TO SCALE

N
PLAN

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310 George Washington Highway
Suite 100
Smithfield, Rhode Island
0 2 9 1 7

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F 401-232-5080
WWW.ARCH-ENG.COM

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NOT IN SCOPE

KEYPLAN

REVISIONS

NUMBER	REMARKS	DATE

JOHN A. AHARONIAN
No. 4108
REGISTERED ARCHITECT
RHODE ISLAND

FOR CONSTRUCTION

PROJECT TITLE

CCRI COMMUNITY COLLEGE OF RHODE ISLAND

CCRI WARWICK ROOF
KNIGHT CAMPUS

400 EAST AVE.
WARWICK, RI 02886
Kent County

DRAWING TITLE

ROOF PLAN

DATE	PROJ NO
APRIL 21, 2020	20029
DRAWN BY	CHECKED BY
NJB	DH

DRAWING NUMBER

A1.1

1 ENLARGED PARTIAL ROOF PLAN
SCALE: 1/8" = 1'-0"

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NUMBER	REMARKS	DATE

FOR CONSTRUCTION

PROJECT TITLE

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KNIGHT CAMPUS

400 EAST AVE.
WARWICK, RI 02886
Kent County

DRAWING TITLE

ENLARGED PARTIAL ROOF PLAN

DATE	PROJ NO
APRIL 21, 2020	20029
DRAWN BY	CHECKED BY
NJB	DH

DRAWING NUMBER

A1.2

1 ENLARGED PARTIAL ROOF PLAN
SCALE: 1/8" = 1'-0"

N PLAN

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KEYPLAN

REVISIONS

NUMBER	REMARKS	DATE

JOHN A. AHARONIAN
No. 10000
REGISTERED ARCHITECT
4-21-20

FOR CONSTRUCTION

PROJECT TITLE

CCRI COMMUNITY COLLEGE OF RHODE ISLAND

CCRI WARWICK ROOF
KNIGHT CAMPUS

400 EAST AVE.
WARWICK, RI 02886
Kent County

DRAWING TITLE

ENLARGED PARTIAL ROOF PLAN

DATE	PROJ NO
APRIL 21, 2020	20029
DRAWN BY	CHECKED BY
NJB	DH

DRAWING NUMBER

A1.3

1 ENLARGED PARTIAL ROOF PLAN
SCALE: 1/8" = 1'-0"

N
PLAN

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FOR CONSTRUCTION

PROJECT TITLE

COMMUNITY COLLEGE OF RHODE ISLAND

CCRI WARWICK ROOF
KNIGHT CAMPUS

400 EAST AVE.
WARWICK, RI 02886
Kent County

DRAWING TITLE

ENLARGED PARTIAL ROOF PLAN

DATE	PROJ NO
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NJB	DH

DRAWING NUMBER

A1.4

9 A2.1 TYP. ADDITION ROOF DETAIL
SCALE: 1-1/2" = 1'-0"

8 A2.1 TYP. ROOF EDGE DETAIL
SCALE: 1-1/2" = 1'-0"

7 A2.1 TYP. VENTILATION LOUVER CURB DETAIL
SCALE: 1-1/2" = 1'-0"

6 D2.2 TYP. DUCT WORK SUPPORT DETAIL
SCALE: 1-1/2" = 1'-0"

5 D2.2 TYP. "SMOKESTACK" COLUMN SUPPORT DETAIL
SCALE: 1-1/2" = 1'-0"

4 A2.1 TYP. ELEV. TOWER DETAIL
SCALE: 1-1/2" = 1'-0"

3 A2.1 TYP. CURB DETAIL
SCALE: 1-1/2" = 1'-0"

2 A2.1 TYP. WALLBASE DETAIL
SCALE: 1-1/2" = 1'-0"

1 A2.1 TYP PIPE PENETRATION DETAIL
SCALE: 1-1/2" = 1'-0"

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ROOF DETAILS

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DRAWING NUMBER

A2.1

7 A2.2 ROOF DRAIN DETAIL
SCALE: 1-1/2" = 1'-0"

6 A2.2 FAN MOUNTING DETAIL
SCALE: 1-1/2" = 1'-0"

5 A2.2 RTU CURB DETAIL
SCALE: 1-1/2" = 1'-0"

4 A2.2 TYP.VENT PIPE DETAIL
SCALE: 1-1/2" = 1'-0"

3 A2.2 TYP. DUCT PENETRATION DETAL
SCALE: 1-1/2" = 1'-0"

2 A2.2 TYP. FLUME & RAIN SHEILD DTL
SCALE: 1-1/2" = 1'-0"

1 A2.2 TYP PIPE PENETRATION DETAIL
SCALE: 1-1/2" = 1'-0"

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A2.2