LYNDHURST CAMPUS
ADMINISTRATION BLDG.
1 DEKORTE PARK PLAZA
LYNDHURST, N.J.

GENERAL NOTES:

1. THE WORK IN THIS PROJECT SHALL INCLUDE BUT NOT BE LIMITED TO THE INSTALLATION OF A NEW TPO 80 MIL MEMBRANE & TAPERED INSULATION MECHANICALLY FASTENED TO THE METAL DECK & ASSOCIATED FLASHINGS.
2. ADJUST HEIGHT OF EQUIPMENT & COUNTER FLASHING TO MAINTAIN 8"–10" ABOVE FINISHED ROOF.
3. DO NOT REMOVE MORE ROOFING AND/OR FLASHING FROM ANY AREA THAT CANNOT BE WATERPROOFED ON THE SAME DAY.
4. NO WORK SHALL BE UNDERTAKEN WHEN THERE IS A CHANCE OF PRECIPITATION ENTERING THE BUILDING.
5. INSTALL TEMPORARY WATER CUT–OFF TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT THE END OF EACH DAY'S WORK.
6. ALL NEW .050 ALUMINUM (3003–H14) SECTIONS SHALL BE FABRICATED IN "METAL SHOP" – ALL SEAMS TO BE WELDED & GROUND SMOOTH.
7. PRIOR TO STARTING WORK EACH DAY, COVER ALL LOUVERS WITH HEAVY GAUGE PLASTIC REMOVE PLASTIC COVERING AT THE END OF EACH WORK DAY.
8. A FULLY ENCLOSED CHUTE IS REQUIRED FOR DROPPING MATERIALS FROM ROOF INTO THE DUMPSTER. THE CHUTE SHALL BE INSTALLED IN ACCORDANCE WITH ALL GOVERNING RULES & REGULATIONS. THE DUMPSTER SHALL BE TIGHTLY COVERED WITH TARPAULINS DURING LOADING OPERATION TO PRECVENT DUST FROM ESCAPING.
9. ANY COLD MASTIC THAT IS USED SHALL BE ASBESTOS FREE.
10. CONTRACTOR RESPONSIBLE FOR DE–WATERING THE ROOF DURING CONSTRUCTION.
11. ALL DIMENSIONS SHOWN ON THE PLAN ARE APPROXIMATE, CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS.
12. ALL ROOFING SYSTEM AND COMPONENTS IDENTIFIED IN ACCORDANCE WITH PROJECT SPECIFICATIONS DRAWINGS AND IN CONFORMANCE WITH ALL APPLICABLE CURRENT CODES AS IDENTIFIED ON THIS COVER SHEET.

CODE SUMMARY DATA

BUILDING CODE ANALYSIS
NJSEA

1. PROJECT LOCATION: LYNDHURST , NEW JERSEY
2. PROJECT SCOPE/SUMMARY
   IN GENERAL, THE CONSTRUCTION WILL INCLUDE DEMOLITION OF EXISTING ROOF, ROOF REPLACEMENT.

3. APPLICABLE CODES
   A) ADMINISTRATIVE CODE:
      UNIFORM CONSTRUCTION CODE AND REGULATIONS STATE OF NJ WITH AMENDMENTS.
   B) ADOPTED CODES:
   - REHABILITATION SUBCODE, N.J.A.C. 5:23–6.
     TYPE OF WORK: RENOVATIONS AND ALTERATIONS (THERE IS NO CHANGE IN USE).
   - BASIC REQUIREMENTS OF THE SUBCODE AS PER N.J.A.C 5:23–6.10 TO 6.30.
   - INTERNATIONAL FUEL GAS CODE, 2015
   - THERE WILL BE NO DIMINUTION OF EXISTING STRUCTURAL STRENGTH, SYSTEM
   - CAPACITY OR MECHANICAL VENTILATION.
   - THE WORK DOES NOT CREATE A NON–CONFORMITY WITH ANY OF THE "BASIC REQUIREMENTS WHICH DO NOT CURRENTLY EXIST".

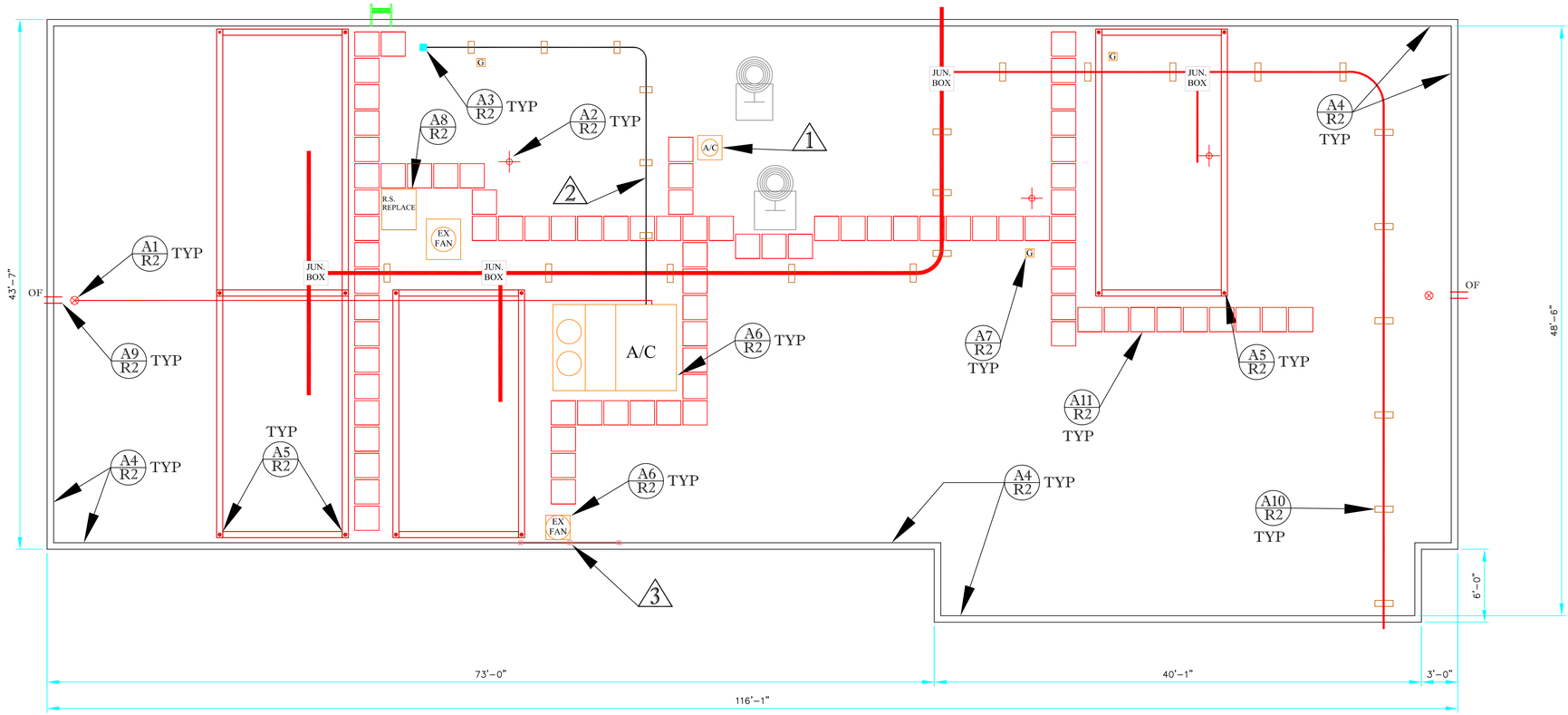
   C) THE REHABILITATION SUBCODE REFERENCES PARTS OF THE FOLLOWING MODEL CODES:
   - ICC/ANSI A117.1–2003; ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
   - INTERNATIONAL BUILDING CODE – NJ EDITION 2015
   - NATIONAL ELECTRICAL CODE 2014
   - NATIONAL STANDARD PLUMBING CODE, 2009
   - ASHRAE 90.1–2013 INTERNATIONAL ENERGY CODE
   - INTERNATIONAL MECHANICAL CODE, 2015

LIST OF DRAWINGS:

PWH CONSULTING, INC
ROOFING & WATERPROOFING

PAUL W. HUKKANEN
10 LINCOLN PLACE
MOONACHIE, N.J. 07074

RCI, CSI, RIEI
PHONE: (201)641-4388
FAX: (201)641-4389



KEYED NOTES: (#)

1. MOUNT A/C UNIT ON CONCRETE PAVERS.
2. PAINT GAS LINE YELLOW.
3. PROVIDE SAFETY RAIL, CODE COMPLIANT.

Legend:

- ROOF DRAIN
- VENT
- SATELLITE DISH
- EF EXHAUST FAN
- PITCH BOX
- G GOOSE NECK
- WALKWAY PADS

P W H
CONSULTING, INC.
ROOFING & WATERPROOFING
10 LINCOLN PLACE
MOONACHIE, N.J. 07074
OFFICE: (201) 641-4388
FAX: (201) 641-4389

NEW JERSEY SPORTS & EXPOSITION AUTHORITY

CONSULTANT:

CONSULTANT:

PROFESSIONAL SEAL:

NAME
LIC #

R H C
DRAFTING SERVICE
319 GARDENIA DRIVE
MANCHESTER,N.J. 08759
OFFICE: (732) 350-0517
CELL: (973)477-8617

PROJECT TITLE / DESCRIPTION:
ROOF REPLACEMENT
ADMINISTRATION BLDG.
3rd FLOOR ROOF

FACILITY LOCATION:
LYNDHURST CAMPUS
ADMINISTRATION BLDG.
1 DEKORTE PARK PLAZA
LYNDHURST, N.J.

DATE: 11 JULY '19

NO:	REVISION:	DATE:

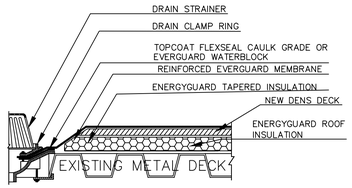
PWH PROJECT NO:
190711

DRAWING TITLE:
ROOF PLAN

SHEET NUMBER:
R1

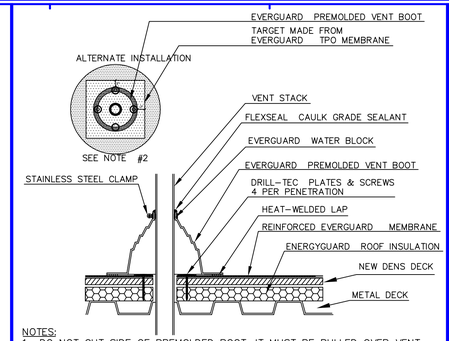
SHEET 2 OF 3

SCALE: 3/16" = 1'-0"



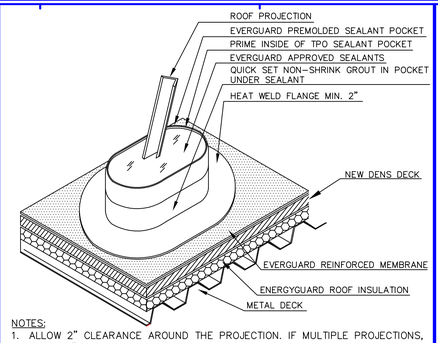
NOTE:
1. A FIELD WELD CANNOT PASS WITHIN 9" OF THE CLAMPING, OR WITH-IN THE DRAIN SUMP ITSELD.
2. MEMBRANE MUSST EXTEND MINIMUM 1" BEYOND THE BOLT HOLES THE CLAMPING RING BOLTS MUST PENETRATE THE MEMBRANE.
3. TAPERED INSULATION TO CREATE A ROOF SUMP MINIMUM 36"X36" IN SIZE.
4. USE ONE FULL TUBE OF FLEXSEAL CAULK GRADE SEALAN OR EVERGUARD WATER BLOCK PER DRAIN.
5. DRAIN SUMP MIN. 36"

A1 / R2 — ROOF DRAIN



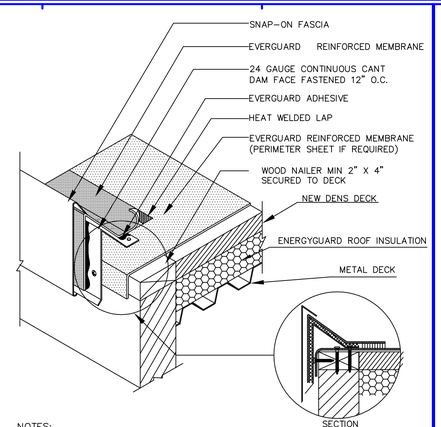
NOTES:
1. DO NOT CUT SIDE OF PREMOLDED BOOT. IT MUST BE PULLED OVER VENT PIPE.
2. IF THE PLATES & FASTENERS INTRUDE INTO BOOT FLANGE AREA, THEN A TARGET MUST FIRST BE INSTALLED OVER PLATES & FASTENERS BEFORE BOOT INSTALLATION.
3. APPLY EVERGUARD TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

A2 / R2 — VENT



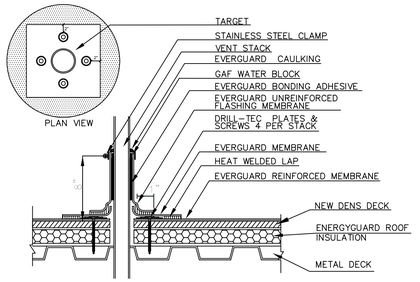
NOTES:
1. ALLOW 2" CLEARANCE AROUND THE PROJECTION. IF MULTIPLE PROJECTIONS, ALLOW 1" BETWEEN PROJECTION & POCKET.
2. THE EXISTING PROJECTION MUST BE CLEAN OF ALL DEBRIS BEFORE INSTALLATION.
3. FOUR DRILL-TEC PLATES & SCREWS AROUND PENETRATION.
4. EVERGUARD POURABLE SEALER POCKET MUST BE PRIMED WITH EVERGUARD TPO PRIMET.
5. IF SEALANT POCKET MUST BE CUT, STSRIP IN CUT WITH UNREINFORCED TPO STRIP MIN 4" WIDE & RUN OUT ONTO DECK SHEET MIN. 2".
6. IF PLATES & FASTENERS ENCROACH INTO THE SEAM AREA OF THE POCKET, THEN A TARGET MUST BE ADDED FIRST TO COVER FASSTENERS.

A3 / R2 — PITCH POCKET



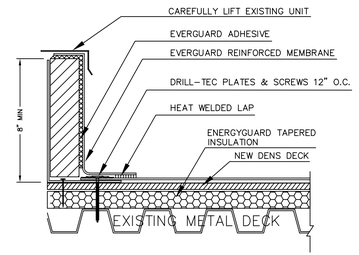
NOTES:
1. APPLY EVERGUARD TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

A4 / R2 — METAL EDGE



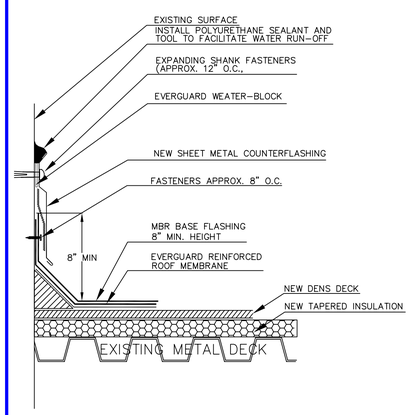
NOTE:
1. IF TARGET MEMBRANE MUST BE SPLIT TO FIT AROUND STACK, A MIN. 4" WIDE EVERGUARD FLASHING STRIP MUST BE HEAT WELDED OVER SPLIT.
2. APPLY HEAT TO UNREINFORCED FLASHING AND FORM BY HAND PRIOR TO HOT AIR WELDING.
3. APPLY EVERGUARD TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

A5 / R2 — DUNNAGE SUPPORT

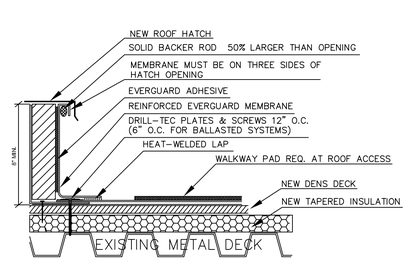


NOTES:
1. APPLY EVERGUARD TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

A6 / R2 — EQUIPMENT CURB

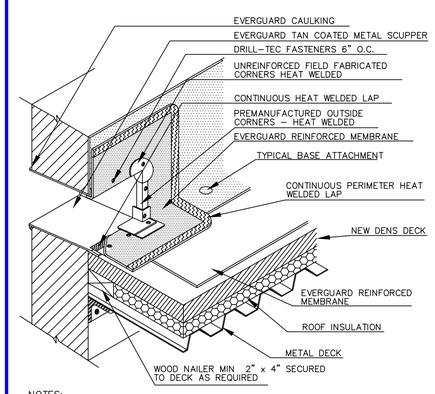


A7 / R2 — SURFACE MOUNT-C/F GOOSE NECKS



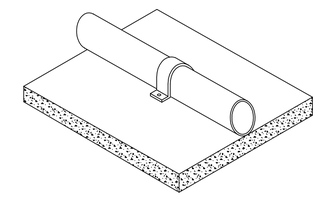
NOTES:
1. APPLY EVERGUARD TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

A8 / R2 — ROOF HATCH



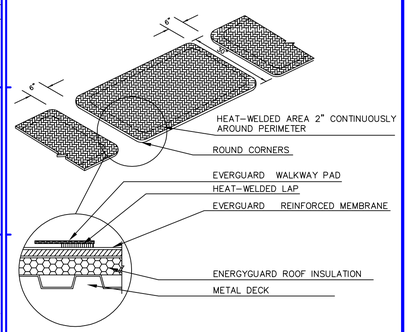
NOTES:
1. INSTALL EVERGUARD UNREINFORCED OR PREMANUFACTURED OUTSIDE CORNERS TO THE SCUPPERS FOUR ROOF SIDE CORNERS.
2. APPLY EVERGUARD TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

A9 / R2 — OVERFLOW SCUPPER



NOTE:
1. FASTEN CONDUIT/PIPE TO 2"X2"X2" CONCRETE PAVER, PROVIDE A SLIP SHEET UNDER PAVER.

A10 / R2 — CONDUIT SUPPORT



NOTES:
1. REMEMBER: DO NOT CROSS SEAMS WITH WALKWAY PADS 3" OFF EACH SEAM.
2. HEAT-WELD EDGE OF WALKWAY ROLLS CONTINUOUSLY.
3. REQUIRED AT ALL ROOF ACCESS POINTS.

A11 / R2 — WALKWAY PAD

P W H
CONSULTING, INC.
ROOFING & WATERPROOFING
10 LINCOLN PLACE
MOONACHIE, N.J. 07074
OFFICE: (201) 641-4388
FAX: (201) 641-4389

NEW JERSEY SPORTS & EXPOSITION AUTHORITY — NJSEA

CONSULTANT:

CONSULTANT:

PROFESSIONAL SEAL:

NAME
LIC #

R H C
DRAFTING SERVICE
319 GARDENIA DRIVE
MANCHESTER,N.J. 08759
OFFICE: (732) 350-0517
CELL: (973)477-8617

PROJECT TITLE / DESCRIPTION:
ROOF REPLACEMENT
ADMINISTRATION BLDG.
3rd FLOOR ROOF

FACILITY LOCATION:
LYNDHURST CAMPUS
ADMINISTRATION BLDG.
1 DEKORTE PARK PLAZA
LYNDHURST, N.J.

DATE: 11 JULY '19

NO:	REVISION:	DATE:

PWH PROJECT NO:
190711

DRAWING TITLE:
DETAILS

SHEET NUMBER:
R2

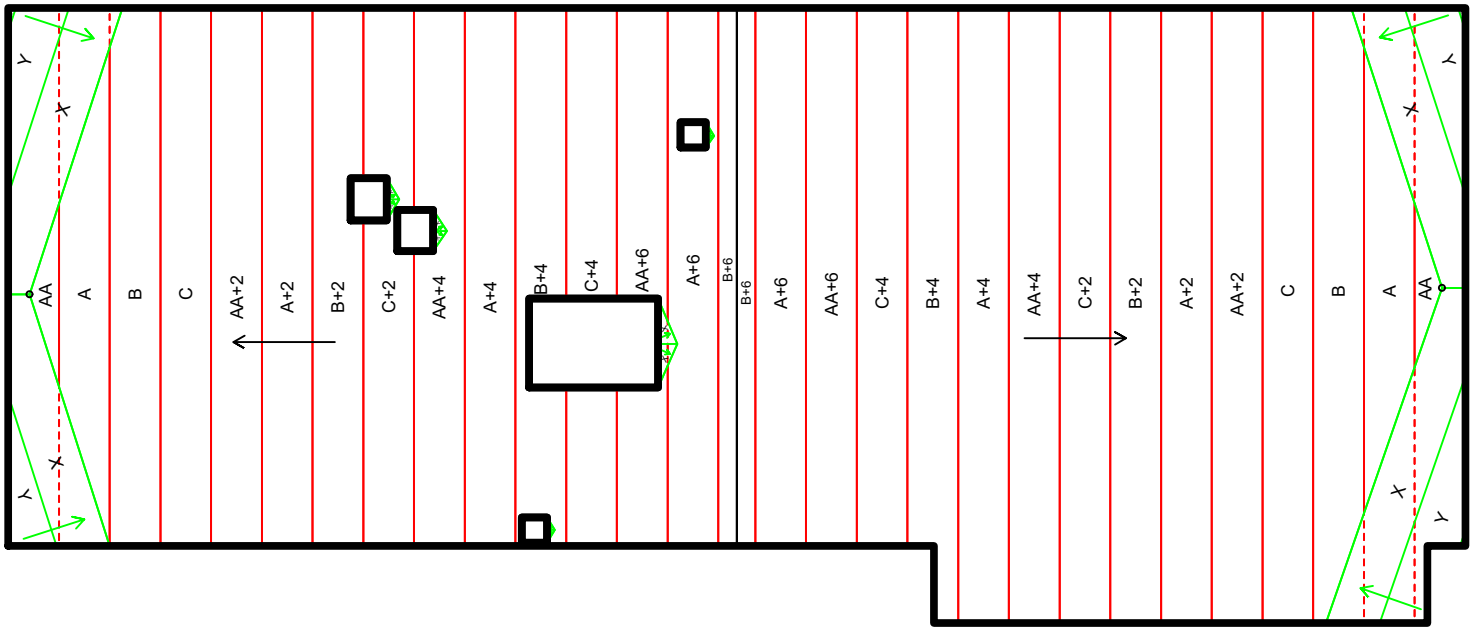
SHEET 2 OF 3

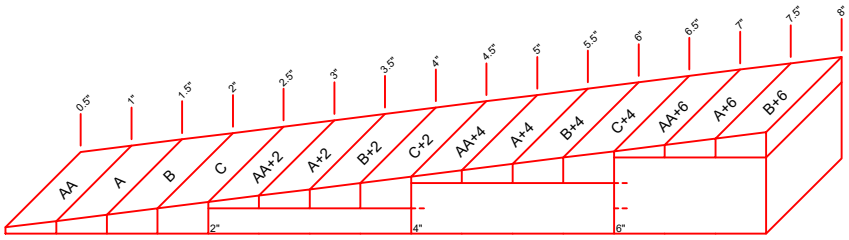
SCALE: 3/16" = 1'-0"

GAF Tapered DesignGroup
email: tdg@gaf.com

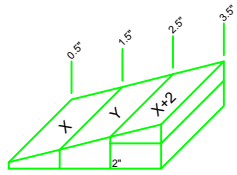
SUBMITTAL DRAWING
DRAWING SIZE: 8.5" X 11"
SCALE= NOT TO SCALE

G19KR-6473-LYNDHURST-CAMPUS-ADMIN-BLLDG





1/8" SLOPE TAPERED ISO (4' x 4' PANELS)
4 PANEL SYSTEM - NOT TO SCALE



1/4" SLOPE TAPERED ISO (4' x 4' PANELS)
2 PANEL SYSTEM - NOT TO SCALE

Tapered Design Concept - Quote Based on Provided Drawing and Dimensions

Quote based on design shown here. IMPORTANT - As a provider of materials and service only -GAF Materials will not assume responsibility for quantities due to errors on submitted plans, drawings or differences in field conditions. Contractor shall verify all drain locations, perimeter dimensions, materials and R-values. Contractor is responsible for verifying this quote to insure that it meets job specifications. All shop drawings must be approved prior to installation or shipment of materials.

Technical Support Services
1 Campus Drive
Parsippany, NJ 07054
Phone: 1-800-766-3411

We protect what matters most™

July 1, 2019

Project: One DeKorte Park
Lyndhurst

To Whom It May Concern:

After careful review of the submitted information provided by your firm for the One DeKorte Park project, we have calculated the design wind pressures based on the following information:

Project Information

ASCE-7-05 Basic Wind Velocity: 100mph
Exposure Category: D
Height of Roof (at eave): 30'
Importance Category: 1.15
Topographic Factor: 1
Enclosure Classification: 0.55

From this the following calculations can be considered.

Wind Calculations

Velocity Pressure Equation: $q_h = .00256(K_z)(K_{zt})(V)^2(I)$ where,

K_z = Velocity Pressure Coefficient = 1.16
K_{zt} = Topographic Factor = 1
V = Basic Wind Speed = 100mph
I = Importance Category = 1.15
q_h = Velocity Pressure at Mean Roof Height (note: for low slope roofs less than 2:12 slope, this is the eave height)

Therefore, **q_h**= $.00256(1.16)(1)(100)^2(1.15) = 34.15$

Wind Uplift Pressure = **$q_h[(GC_p) - (GC_{pi})]$** where,

q_h = Velocity Pressure Coefficient = 34.15

GC_p = Value of External Pressure Coefficient for the
- Field = -1.0
- Perimeter = -1.8
- Corner = -2.8

GC_{pi} = Value of Internal Pressure Coefficient = .55

Technical Support Services
1 Campus Drive
Parsippany, NJ 07054
Phone: 1-800-766-3411

We protect what matters most™

Based upon the project information, the calculated wind pressures are as follows:

Field Uplift Pressure = -52.93psf
Perimeter Uplift Pressure -80.25psf
Corner Uplift Pressure = -114.40psf

Based on these calculations, a system that has been tested to provide a wind uplift resistance of 120psf in the field of the roof will meet or exceed the calculated design uplift pressure.

Please note that in many locations code compliance requires that wind calculations be performed by a professional engineer or architect. GAF has provided the above information solely as a courtesy and recommends that the calculations be verified by a design professional.

Contact this office at 1-800-766-3411, if you have any questions or if we may be of further assistance.

Sincerely,

Christine Reeves

Christine Reeves
Sr. Technical Support Services Representative