**WARNING**

Workers must use additional fall protection while installing the SKY-WEB II SYSTEM.

**WARNING**

The SKY-WEB II SYSTEM must be installed exactly as shown on erection drawings. Improper installation could result in serious injury or death.

**WARNING**

The SKY-WEB II SYSTEM does not provide fall protection from heights greater than the plane of the roof.

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**TYPICAL BUILDING PLAN**

ALL BUILDING MATERIALS, PRIMARY AND SECONDARY STRUCTURALS AND ALL BRACING (UD, PLANK AND FURLO) MUST BE ASSEMBLED AND THE STRUCTURE FUMED AND ENFORCED BEFORE INSTALLING THE SKY-WEB II SYSTEM. THE SAW STRUT OR RAKE MEMBERS MUST BE SUPPORTED TO ELIMINATE REFLECTION.

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**IMPORTANT SAFETY INFORMATION**

1. SAFETY MUST BE A PRIORITY CONCERN THROUGHOUT THE ENTIRE BUILDING ERECTION PROCESS. ALL LOCAL, STATE AND OSHA SAFETY REGULATIONS MUST BE FOLLOWED AT ALL TIMES. THE ERECTION CONTRACTOR HAS THE ULTIMATE RESPONSIBILITY FOR ENSURING THAT THE SCAFFOLD MUST COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS.

2. SAFETY MUST BE A PRIORITY CONCERN THROUGHOUT THE ENTIRE BUILDING ERECTION PROCESS. ALL LOCAL, STATE AND OSHA SAFETY REGULATIONS MUST BE FOLLOWED AT ALL TIMES. THE ERECTION CONTRACTOR HAS THE ULTIMATE RESPONSIBILITY FOR ENSURING THAT THE SCAFFOLD MUST COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS.

3. THE SKY-WEB II SYSTEM IS INTENDED TO PROVIDE FALL PROTECTION ONLY AT THE LEADING EDGE OF THE ROOF SURFACE. DO NOT USE THE SKY-WEB II SYSTEM FOR ANY OTHER PURPOSE.

4. THE SKY-WEB II SYSTEM MUST BE INSTALLED IN ACCORDANCE WITH THE INSTALLATION INSTRUCTIONS. IF THIS IS NOT POSSIBLE, THE SKY-WEB II SYSTEM MUST NOT BE INSTALLED.

5. IF THE SKY-WEB II SYSTEM IS DAMAGED, CONTACT THE SUPPLIER.

6. THE SKY-WEB II SYSTEM IS NOT DESIGNED TO MEET THE COLUMNS OF A BUILDING AS SPECIFIED BY OSHA (29 CFR 1926) AND NEW YORK DEPARTMENT OF LABOR (NYCDL).

7. QUALITY ASSURANCE TESTING, PERFORMED BY AN INDEPENDENT CONSULTING FIRM, WILL PROVIDE VERIFICATION OF THE SKY-WEB II SYSTEM CAPABILITIES.

8. SMALL HAND TOOLS AND FASTENERS MAY FALL THROUGH THE SKY-WEB II SYSTEM. WORKERS MUST NOT ALLOW TO WORK UNDERNEATH THE ROOF PANELS WHILE THE ROOF PANELS ARE BEING INSTALLED.

9. WHEN A WORKER FALLS INTO THE SKY-WEB II SYSTEM, THE MESH WILL FALL IN TOWARDS THE PANEL AND STRETCH ELASTICALLY. WORKERS SHOULD BE ALERTED IF THEY FALL INTO THE MESH THEY MAY STICK FRAME OR OBSTRUCTIONS LOCATED WITHIN A DISTANCE OF 4 FEET BELOW THE WORK LEVEL.


11. THE SKY-WEB II SYSTEM HAS A FLAME SPREAD INDEX OF LESS THAN 3 AND A SMOKE DEVELOPED INDEX OF LESS THAN 10 AS TESTED ACCORDING TO UL 723.
WIRE CLIP
PART NUMBER 650414

V-STRAP SELF DRILLING SCREW

1/4 X 3/4" HEX HEAD SELF DRILLING SCREW (097274)
ALTERNATE FASTENER IS 1/4 X 3/4" TORSION PAN HEAD SELF DRILLING SCREW (097250)

V-STRAP
PART NUMBER 650415

-18 GAUGE GALVANIZED STEEL

SPlice CORD "MESH NEEDLE"

- SPLICE CORD (APPROX. 224 LINEAL FT.)
CAUTION
Core must be used when pulling the SKY-WEB II SYSTEM over structural to avoid smogs, tears, or other damage.

WARNING
The SKY-WEB II SYSTEM must be installed exactly as shown on erection drawings. Improper installation could result in serious injury or death.

WARNING
The SKY-WEB II SYSTEM does not provide fall protection from heights greater than the plane of the roof.

DETAIL "C" ENG. 1081345
AT MESH TO MESH SPlice

ROOF STRUCTURALS

Sky-WEB II SYSTEM

 Engl 1081345

SIDEWALL COLUMN

EAVES MEMBER

SECTION DETAIL "B" ENG. 1081345

NOTES:
1. ONE PIECE OF THE SKY-WEB II MESH MAY COVER ONE BAY OR TWO BAYS OF THE BUILDING LENGTH AND WILL EXTEND EDGE-TO-EDGE ACROSS THE BUILDING.
2. MESH TO MESH SPLICES WILL BE LOCATED OVER PRIMARY FRAMES. THER E IS NO OVERLAP OF THE MESH AT THE SPLICE.
3. MESH FOR END BAYS IS DIFFERENT THAN MESH FOR INTERIOR BAYS. THE OUTSIDE EDGE OF THE END BAY MESH HAS TWO THINGS WITH ORANGE MARKER THREADS FOR IDENTIFICATION. THIS EDGE MUST BE LOCATED AT THE ENDWALL.
5. IT IS RECOMMENDED THAT THE SKY-WEB II SYSTEM BE INSTALL OVER THE ENTIRE BUILDING BEFORE INSTALLING INSULATION AND ROOF PANELS. IF NECESSARY IT IS ACCEPTABLE TO INSTALL THE MESH OVER PART OF THE BUILDING IF THE FOLLOWING PROCEDURES ARE FOLLOWED.
   A. AT LEAST TWO FULL DAYS OF THE SKY-WEB II SYSTEM MUST BE COMPLETELY INSTALLED BEFORE THE ROOFING INSTALLATION WILL ALLOW.
   B. IT IS NOT RECOMMENDED TO INSTALL THE MESH ON ONLY ONE SLOPE OF A DOUBLE SLOPE BUILDING. IN THIS CASE, THE MESH MAY BE INSTALLED ON THE ONE SLOPE IF THE MESH IS ALSO INSTALLED DOWN THE OTHER SLOPE A CERTAIN DISTANCE, THIS DISTANCE MUST BE EQUAL TO THE WIDTH OF THE MESH, FOR EXAMPLE, IF THE MESH IS 20 WIDE THEN THE MESH MUST BE INSTALLED FROM EDGE TO EDGE ON ONE SLOPE AND 20 FEET PAST THE EDGE ON THE OTHER SLOPE.
6. WHEN THE MESH IS STRETCHED OUT IN A BUNDLE ACROSS THE BUILDING WIDTH IT WILL APPEAR LONGER THAN NECESSARY. WHEN THE MESH IS STRETCHED OUT ACROSS THE BUILDING THE APPARENT EXTRERN LENGTH WILL DISAPPEAR, DO NOT CUT THE LENGTH OF THE MESH UNTIL IT IS COMPLETELY INSTALLED.

WARNING
Workers must use additional fall protection while installing the SKY-WEB II SYSTEM.

SKY-WEB II INSTALLATION ON BLDG. STRUCT.
ALL BUILDINGS

01-019-01
B 1081342 00
STEEL CONSTRUCTION

01-019-01
B 1081342 00
STEEL CONSTRUCTION
**WARNING**
The SKY-WEB II™ SYSTEM must be installed exactly as shown on erection drawings. Improper installation could result in serious injury or death.

**NOTE:**
HOOD THE MESH COVERED AND PROTECTED FROM SUN AND WEATHER UNTIL TIME TO INSTALL IT. EXPOSURE TO CYCLES OF WET AND DRY MAY CAUSE THE MESH TO WEAR OUT QUICKLY. THIS MAY MAKE THE MESH SHRINK MAKING THE MESH HARDER TO INSTALL CORRECTLY.

**NOTE:**

**STEP 1 LOCATE THE MESH AND PARTS**
- EACH PACKAGE WILL BE MARKED "X" OF "TOTAL NUMBER" (FOR EXAMPLE, "1 OF 3")
- COMPLETE INVENTORY OF ALL MESH AND SMALL PARTS
- CHECK TO ENSURE THAT MESH AND SMALL PARTS ARE IN PLASTIC BAGS AND ARE SECURED ON EACH BAG
- EACH MESH WILL ARRIVE AT THE JOB SITE IN REINFORCED PLASTIC BAGS
- EACH MESH WILL HAVE A TAG ATTACHED ON ONE END OF THE MESH TO ENSURE IT IS SHIPPED TO THE INCORRECT SITE
- THE MESH FOR END BAYS WILL HAVE AN ORANGE TAG. THE MESH FOR INTERIOR BAYS WILL HAVE A WHITE TAG.
- THE SMALL PARTS AND FASTENERS NEEDED FOR INSTALLATION WILL ARRIVE AT THE JOB SITE IN A CARDBOARD BOX.
- SMALL PARTS ARE SHIPPED IN PLASTIC BAGS. MAKE SURE TO OPEN BAGS AND UNDERSTAND ALL INSTRUCTIONS BEFORE COVERING INSTALLATION.

**STEP 2 ATTACH V-STRAPS AND WIRE CLIPS**
- INSTALL V-STRAPS TO THE FRAMING ON THE ENTIRE PERIMETER OF THE BUILDING.
- THE V-STRAPS COME WITH A "V" ADHESIVE TAPE. THE V-STRAP IS PLACED ON THE JOE SITE, MESH, MESH CLIPS ALREADY ATTACHED.
- THE ADHESIVE TAPE HOLDS THE MESH TO THE V-STRAP. INSTALL THE WIRE CLIP IN THE SLOT OF BOTH V-STRAPS WHERE THE V-STRAPS OVERLAP.

**STEP 3 STRING MESH OVER FRAMING**
- PLACE THE BAG WITH THE MESH AT THE EDGE OF THE ROOF FRAMING.
- IF THE MESH IS TO COVER ONLY ONE SKY, THEN PLACE THE BAG IN THE CENTER OF THE SKY. IF THE MESH IS TO COVER TWO DAYS, THEN PLACE THE BAG IN THE CENTER OF THE COMBINED DAYS.
- DO NOT OPEN THE BAG. LOCATE THE WHITE ORANGE TAG THAT IS TIED TO THE MESH WITH A GREEN TWINE. CUT OPEN THE BAG AT THE TAG END.
- PULL THE BAG OVER THE FRAME WORKING FROM THE TOP DOWN. FEED OUT A SHORT LENGTH OF MESH DO NOT CUT THE MESH.
- THE MESH SHOULD EXTEND 6 INCHES BEYOND THE BAG.
- HOLD THE MESH STRONGLY TO THE FRAMEWORK.
- TIE THE MESH WITH A GREEN TWINE TO THE FRAMEWORK.
- PULL THE MESH OVER THE FRAMEWORK INTO THE BAG. ONLY STRING OUT A WORKABLE LENGTH OF MESH.
- APPROXIMATELY 100 TO 150 FEET. THE PATENTED SKYWEB II MESH IS SHIPPED WITH the MESH SLEED.
- ON SMALL BUILDINGS, THE MESH MAY BE STRINGED OVER THE FRAMING BY PULLING THE MESH OVER THE FRAMEWORK.
STEPS:
1. BEGIN INSTALLATION OF THE V-STRAPS AT A CORNER BETWEEN THE ENDTWALL AND SIDEWALL AS SHOWN.
2. INSTALL A WIRE CLIP IN THE V-STRAP ALONG THE ENDTWALL.
3. LOOP THE 3RD "DIAMOND" INTO THE WIRE CLIP ALONG THE ENDTWALL.
4. LOOP THE 5TH "DIAMOND" INTO THE NEXT WIRE CLIP ALONG THE ENDTWALL.
5. FROM THE WIRE CLIP IN THE CORNER COUNT OVER TWO KNOTS, AT THIS LOCATION GATHER THREE KNOTS AND LOOP THEM INTO THE WIRE CLIP ALONG THE ENDTWALL.
6. COUNTING ALONG THE SAME LINE OF KNOTS, COUNT OVER TWO KNOTS AND GATHER INTO WIRE CLIP ALONG THE SIDEWALL.
7. CONTINUE ALONG THE SIDEWALL EAVE MEMBER, SEE SIDEWALL DETAILS ON DWG. 1081345.
**DETAIL A**
EXPLODED VIEW

- **V-strap Self Drilling Screw**
  - Into Cane Member through Hole
  - In Both V-Straps
  - Properly Seat Screw without Stripping Threads

- **V-strap Leg with Short Slots**
  - Located on the Inside of Cane Member and It Slants Down

- **Field Installed Wire Clip at V-strap**

- **Cane Member**

**SECTION B-B**
TYPICAL AT SIDEWALL

- **Wire Clip**
- **Mesh**
- **V-strap Self Drilling Screw**

- **Three Knots Inside Every Clip**

**DETAIL B**
TYPICAL PLAN VIEW AT SIDEWALL

- **Wire Clip**
- **Mesh Stretched Out**
- **Three Knots Inside Wire Clip**
- **Mesh Stretched Out**
- **Slot in V-strap**
- **Wire Clip**
- **Cane Member**

**Liner of Knots should Run Straight and Parallel to the Cane Member**

- **See Detail C Below**
- **At the Lap of the V-strap Field Install a Wire Clip Through the Slot in Both V-Straps Wire Clip in Every Slot**
- **Loop the Mesh into the Wire Clip Three Knots Deep Minimum at Every Other Diamond Make Sure Three Knots are Placed Inside the Clip**
**DETAIL A**

**EXPLODED VIEW**

**NOTE:**
If the building has an MR-24 roof, install trim clips to cable angle before installing V-Straps. V-Straps may run over trim clip fastener.

**WIRE CLIP**

**DOUBLE TWINEDS HAVE ORANGE THREAD MARKERS**

**V-STRAP SELF DRILLING SCREW**

**FIELD INSTALLED WIRE CLIP AT V-STRAP TOPS**

**V-STRAP LEG WITH SHORT SLOTS IS LOCATED ON THE INSIDE OF RAKE ANGLE AND IT SLANTS DOWN**

**RAKE(DRAPE)ANGLE**

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**SECTION A-A**

**TYPICAL AT ENDWALL**

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**DETAIL B**

**TYPICAL PLAN VIEW AT ENDWALL**

**STEPS:**
1. Verify that the twiners at the edge of the mesh to be installed at the endwall have orange thread markers.
2. Loop the mesh into the wire clip at every other "diamond".
3. Make sure both twiners at the edge are looped into the wire clip.
4. See detail A for an exploded view of the V-strap connection.
DETAIL A
EXPLODED VIEW

NOTE:
IF THE BUILDING HAS AN MFT-24 ROOF, INSTALL TRIM CLIPS TO GABLE ANGLE BEFORE INSTALLING V-STRAPS. V-STRAPS MAY RUN OVER TRIM CLIP FASTENERS.

FIELD INSTALLED WIRE CLIP AT V-STRAP LAPS
V-STRAP
V-STRAP SELF DRILLING SCREW INTO RAKE ANGLE THROUGH HOLE IN BOTH V-STRAPS. PROPERLY SEAT SCREW WITHOUT STRIPPING THREADS

RAKE(GABLE)ANGLE

SECTION A-A
TYPICAL AT ERN WALL

DOUBLE TANGLES HAVE ORANGE THREAD MARKERS
BOTH TANGLES AT EDGE OF THE MESH LOOSED INTO THE WIRE CLIP

V-STRAP SELF DRILLING SCREW
WIRE CLIP
V-STRAP

NOTE: USE THIS DRAWING ONLY IF INSULATION IS THINNER THAN 8" (USE DRAWING 1081346 IF INSULATION IS 8" THICK OR LESS)

DETAIL B
TYPICAL PLAN VIEW AT ERN WALL

STEPS:
1. VERIFY THAT THE TANGLES AT THE EDGE OF THE MESH TO BE INSTALLED AT THE ERN WALL HAVE ORANGE THREAD MARKERS.
2. LOOP THE MESH INTO THE WIRE CLIP AT EVERY OTHER "DIAMOND" EXCEPT AS SHOWN IN DETAIL B.
3. MAKE SURE BOTH TANGLES AT THE EDGE ARE LOOPED INTO THE WIRE CLIP.
4. SEE DETAIL A FOR AN EXPLODED VIEW OF THE V-STRAP CONNECTION.

DOUBLE TANGLES AT EDGE OF MESH HAVE ORANGE THREAD MARKERS
ATTACH MESH WITH TWO "DIAMONDS" BETWEEN WIRE CLIPS 10" × 2 AT A PURFLN
WIRE CLIP IN EVERY SLOT
AT THE LAP OF THE V-STRAP FIELD INSTALL A WIRE CLIP THROUGH THE SLOT IN BOTH V-STRAPS
ONE "DIAMOND"
WARNING
The SKY-WEB II SYSTEM must be installed exactly as shown on erection drawings. Improper installation could result in serious injury or death.

WARNING
The SKY-WEB II SYSTEM does not provide fall protection from heights greater than the plane of the roof.

WARNING
Workers must use additional fall protection while installing the SKY-WEB II SYSTEM.

CAUTION
Core must be used when pulling the SKY-WEB II SYSTEM over structures to avoid snags, tears, or other damage.

STEPS:
1. AT THE EAVE, LOOP THE END OF THE SPlice CORD THROUGH BOTH PIECES OF MESH AND TIE IT SECURELY. MAKE SURE THE KNOT IS STRONG ENOUGH TO NOT COME UNTED.
2. LACE THE "MEWh NEEDLE" BACK AND FORTH BETWEEN THE EDGES OF BOTH PIECES OF MESH. LOOP THROUGH EACH "DIAMOND" ALONG BOTH EDGES.
3. PULL THE SPlice CORD LIGHTLY TO ALLOW ENOUGH SLACK IN THE SPlice CORD TO FORM A ZIGZAG PATTERN THAT MATCHES THE PATTERN OF THE MESH.
4. TIE THE SPlice CORD TO THE MESH AT EACH PURLIN (APPROXIMATELY 5' ON CENTERS). THIS WILL KEEP THE SPICE FROM "ZIPPING." IF THE SPICE NEEDLE Is DROPPED, OR IF THE SPICE CORD IS ACCIDENTLY CUT AFTER INSTALLATION.
5. WHEN THE SPICE NEEDLE IS ABOUT TO RUN OUT OF SPICE CORD, TIE THE SPICE CORD TO THE MESH ABOUT 3' TO 5' FROM THE END. TIE THE END TO THE SPICE CORD OF A NEW MESH NEEDLE AND CONTINUE LACING.
6. AT THE FAR EAVE, TIE OFF THE SPICE CORD TO BOTH PIECES OF MESH (SAME AS NOTE 1).

NOTE 1
V-STRAP ALONG SIDEWALL

NOTE 2
SIDEWALL

DETAIL A
MESH TO MESH SPICE

KNOT Tying SPICE CORD TO MESH (SEE NOTE 4)

ONE "DIAMOND"
IF NO CONTINUOUS ANGLE IS PRESENT, INSTALL A CONTINUOUS 2"x2"x1/4 GA. ANGLE (17º) WAN WITH ONE 1/4"x1/4" SELF-DRILLING SCREW AT EACH JOIST.

ATTACH V-STRAPS TO 2"x2" ANGLE PER TYPICAL ENDBLACK INSTALLATION DETAILS.

NOTE:
THIS DETAIL APPLIES ONLY IF THE JOIST SPACING IS 6 FEET OR LESS.

TYPICAL DETAIL AT CONCRETE OR MASONRY ENDBLACK
JOIST ROOF FRAMING

INSTALL V-STRAP TO THE JOIST ON THE MERE OF GUTTER ACCORDING TO TYPICAL V-STRAP INSTALLATION DRAWINGS.

NOTE: INSTALL WIRE CLIP AND MESH ACCORDING TO TYPICAL INSTALLATION AT SIDEWALL DETAILS.

TYPICAL SIDEWALL WITH PARAPET AND GUTTER
COLD FORMED PURLIN ROOF FRAMING