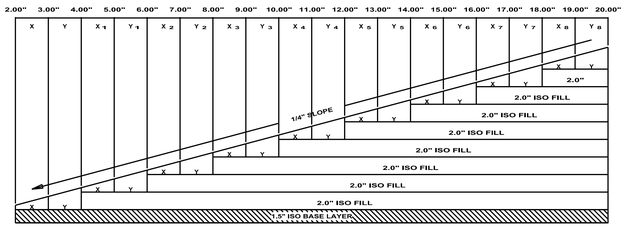
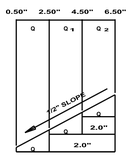


NOTE: HIGH POINTS SHOWN ABOVE INDICATE TOTAL THICKNESS OF INSULATION SYSTEM
PROFILE NOT TO SCALE!



NOTE: HIGH POINTS SHOWN ABOVE INDICATE TOTAL THICKNESS OF INSULATION SYSTEM
PROFILE NOT TO SCALE!

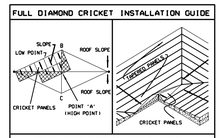
GENERAL NOTES

1	ALL TAPERED & FLAT INSULATION SHALL BE EITHER FESCO OR POLYISOCYANURATE, AS MANUFACTURED BY JOHNS MANVILLE.
2	DRAWINGS ONLY SHOW PENETRATIONS THAT HAVE BEEN DESIGNATED TO RECEIVE POLYISOCYANURATE OR PERLITE CRICKETS OR PENETRATIONS THAT OBSTRUCT POSITIVE DRAINAGE PATTERNS. ROOFER TO SUPPLY ALL OTHER REQUIRED CRICKET MATERIAL.
3	ROOFER TO TRANSITION PERIMETER CONDITIONS AS REQUIRED
4	ROOFER TO PROVIDE TAPERED EDGE ROOF SUMPS AS REQUIRED

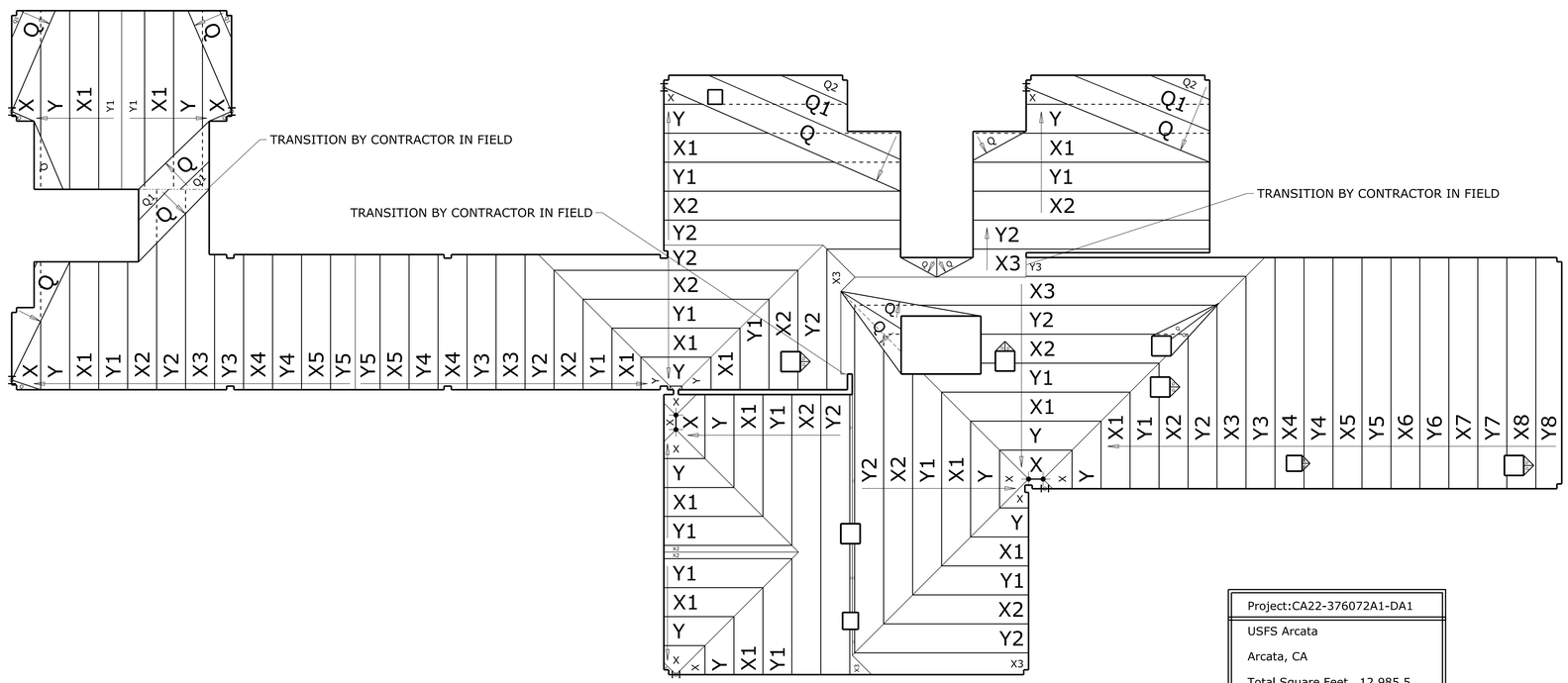
PANEL SCHEDULE

PANEL	TYPE	THICKNESS	SIZE	SLOPE
X	TAPERED	0.5"-1.5"	4'X 4'	1/4" / FT.
Y	TAPERED	1.5"-2.5"	4'X 4'	1/4" / FT.
Q	CRICKET	0.5"-2.5"	4'X 4'	1/2" / FT.
2.0"	ISO FILL	2.0"	4'X 4'	N/A
1.5"	ISO BASE	1.5"	4'X 4'	N/A

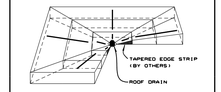
FULL DIAMOND CRICKET INSTALLATION GUIDE



1. LOCATE MIDPOINT BETWEEN DRAINS (POINT "A").
2. LOCATE POINTS "B"&"C" (LENGTH OF CENTER-LINE) BETWEEN POINTS "B"&"C" DETERMINED BY CRICKET WIDTH REQUIREMENTS-SEE ROOF PLAN.
3. SNAP A CHALKLINE BETWEEN THE DRAINS AND POINTS "A"-"B"-&"C" FORMING THE CRICKET OUTLINE
4. LAY IN 1ST SECTION OF TAPERED PANELS AS SHOWN. CUT AWAY EXCESS (HATCHED AREAS) AND DISCARD.
5. REPEAT ITEM #4 ON 3 REMAINING "TRIANGLE" AREAS.



ROOF DRAIN SUMP
DRAIN AT LOW POINT

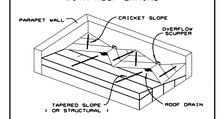


NOTE: DETAIL NOT TO SCALE

A DRAIN "SUMP" IS FIELD FABRICATED USING TAPERED EDGE STRIP (EITHER WOOD FIBERBOARD OR PERLITE) TO PROMOTE POSITIVE DRAINAGE. THIS MATERIAL IS SUPPLIED BY OTHERS.

CLEAN EXISTING DRAIN BOWL ASSEMBLY PRIOR TO REINSTALLATION!

"SAW TOOTH" CRICKETS
WITH ROOF DRAINS

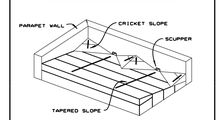


NOTE: DETAIL NOT TO SCALE

THIS APPLICATION DIVERTS WATER TO THE THRU-WALL SCUPPERS OR PERIMETER ROOF DRAINS.THE CRICKET SLOPE IS TWICE THAT OF THE TAPERED.

Project:CA22-376072A1-DA1
USFS Arcata
Arcata, CA
Total Square Feet 12,985.5
Average R-Value = 48.09

STANDARD CRICKETS



NOTE: DETAIL NOT TO SCALE

THIS APPLICATION DIVERTS WATER TO THE THRU-WALL SCUPPERS OR PERIMETER ROOF DRAINS. THE CRICKET SLOPE IS TWICE THAT OF THE TAPERED.

CONTRACTOR TO VERIFY ALL ROOF DIMENSIONS

CA22-376072A1-DA PRELIMINARY #1
CONCEPTUAL TAPERED POLYISO LAYOUT

NOT FOR CONSTRUCTION SCALE: 1/8"=1'-0"

PROJECT NUMBER CA22-376072A1-DA1.dgn

I understand the information and dimensions used to create the drawings herein may have been provided by others. I have reviewed these drawings and accept full responsibility for the design presented herein and grant approval as a true and accurate representation of my project requirements.

Order cannot be released for shipment without a signature and a check below. If shop is approved pending changes, we must receive indicated & fax or email a copy of this area to 1-800-835-2341 or tapersdesign@jm.com

(CHECK ONE)

☐ I hold supplied John Manville with the measurements of actual field conditions including but not limited to all dimensions, elevations, plus or minus tolerances, and roof conditions and accept full responsibility for the design presented herein and grant approval as a true and accurate representation of my project requirements.

☐ I have not verified the accuracy of the drawings and measurements presented herein. I have provided John Manville with the information I have and request that John Manville design as submitted and accept full responsibility for any shortages, errors and/or omissions that may result.

SIGNATURE: TITLE: DATE: / /

USFS Arcata
Arcata, CA
Preliminary #1

DATE: 7/13/22

PAPER SIZE: E 34x44

PROJ.#: CA22-376072A1-DA1

MATERIAL: Polyisocyanurate Foam w/Fiber Reinforced Faces
TAPERED SLOPE: 1/4" / FT
MIN. THICKNESS: 2.00"
MAX. THICKNESS: 19.90"
DESIGNED BY: J.J.Lee Richardson

CRICKET SLOPE: 1/2" FT
MIN. THICKNESS: .50"
MAX. THICKNESS: 6.22"
SHOPS BY: JLR

AVG. "R" VALUE: 43.09
MIN. "R" VALUE: 11.40
COMP. STRENGTH: 20

TELEPHONE: 1-800-341-8032
FAX: 1-800-835-2341

Denver Tapered Systems Group
10100 W. Ute Ave. Littleton, CO. 80127

Johns Manville Tapered Systems

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