

GENERAL NOTES:

1. ALUMINUM RAMP, LANDING AND STAIR SECTIONS SHALL BE A RIGID, FREE-SPAN DESIGN.
2. DESIGN OF THE ALUMINUM STRUCTURES SHALL CONFORM TO THE CURRENT EDITION OF THE ALUMINUM ASSOCIATION SPECIFICATIONS AND GUIDELINES FOR ALUMINUM STRUCTURES.
3. ALL ALUMINUM CONSTRUCTION USING 6000 SERIES ALUMINUM ALLOYS. STRUCTURAL MEMBERS TO BE 6061-T6 AND 6063-T6 ALUMINUM ALLOY.
4. ALUMINUM WILL BE STANDARD MILL FINISH UNLESS OTHERWISE NOTED.
5. WELDING SHALL BE IN ACCORDANCE WITH ANS/SAWS D1.2-97 GAS METAL ARC WELDING (GMAW) PROCESS BY EXPERIENCED OPERATORS.
6. ALL FASTENERS TO BE 18-8 (SERIES 304) STAINLESS STEEL UNLESS OTHERWISE NOTED.
7. LANDING, RAMP AND STAIR SECTIONS ARE TO BE ENGINEERED FOR A 100 PSF LIVE LOAD.
8. LANDING AND RAMP WALKING SURFACES SHALL BE DESIGNED FOR A MINIMUM CONCENTRATED VERTICAL LOAD OF 300 LBS APPLIED EVENLY OVER A 12" x 12" AREA. STAIR TREAD SHALL BE DESIGNED FOR A MINIMUM CONCENTRATED VERTICAL LOAD OF 300 LBS APPLIED EVENLY OVER A 4 INCH SQUARE AREA.
9. RAMP AND LANDING GUARDRAILS TO BE 42 INCH MINIMUM HEIGHT UNLESS OTHERWISE SPECIFIED. (34 AND 38 INCH TWO-LINE RAMP RAILS AND 34 AND 38 INCH VERTICAL PICKET RAMP RAILS AS WELL AS CUSTOM DESIGN RAMP RAILS AVAILABLE UPON REQUEST FOR SYSTEMS NO MORE THAN 30 INCHES ABOVE FINISHED GROUND LEVEL.)
10. GUARDRAILS SHALL BE DESIGNED AND CONSTRUCTED FOR A LOAD OF 50 PLF APPLIED HORIZONTALLY AT THE REQUIRED GUARDRAIL HEIGHT AND A SIMULTANEOUS LOAD OF 100 PLF APPLIED VERTICALLY DOWNWARD AT THE TOP OF THE GUARDRAIL.
11. HANDRAILS SHALL BE DESIGNED AND CONSTRUCTED FOR A LOAD OF 50 PLF APPLIED IN ANY DIRECTION.
12. HANDRAILS AND GUARDRAILS SHALL BE DESIGNED FOR A CONCENTRATED LOAD OF 200 LB APPLIED AT ANY POINT AND IN ANY DIRECTION.
13. GUARDRAILS SHALL BE DESIGNED SO THAT A 4 (FOUR) INCH SPHERE CANNOT PASS THROUGH ANY OPENING IN THE RAIL.
14. DECK SURFACE SHALL BE A SLIP RESISTANT, EXTRUDED ALUMINUM DECKING WITH A TRIPLE I-BEAM, SELF-MATING DESIGN.
15. ALL SURFACES, MEMBERS AND THEIR WELDED JOINTS SHALL BE SMOOTH AND FREE FROM SHARP OR JAGGED EDGES.
16. ALL DESIGNS SHOWN HEREIN ARE SUBJECT TO CHANGE PENDING FIELD VERIFICATION OF EXISTING CONDITIONS.

SEE THE SPECIFICATIONS FOR THE
ALUMINUM ACCESS RAMP SYSTEM
FOR A COMPLETE LIST OF THE
PRODUCTS MANUFACTURED BY
REDD TEAM MANUFACTURING, INC.

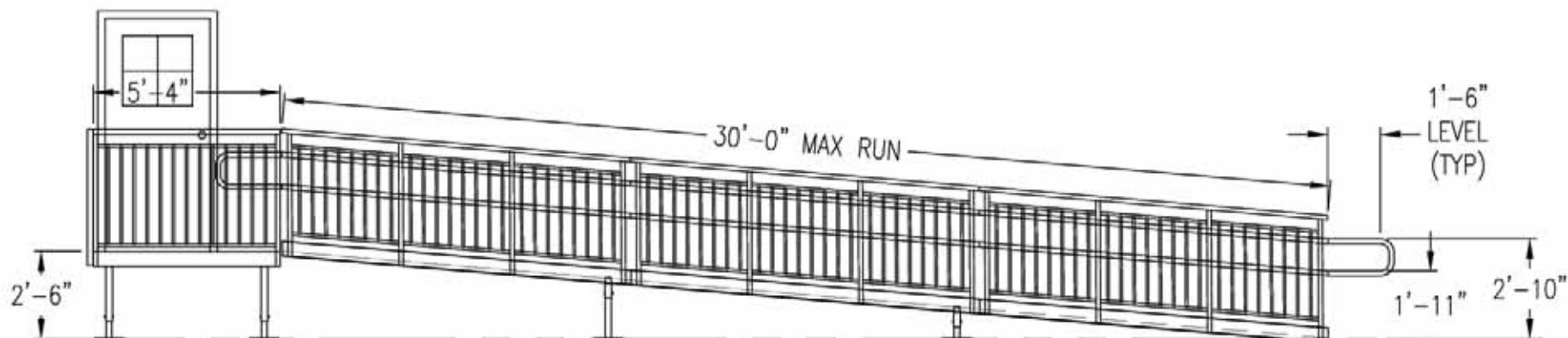
REDD Team Manufacturing, Inc.
A Division of Alcoa Extrusions, Inc.
6599 S.R. 21
KeySTONE Heights, Florida 32856
Phone: 1-800-646-3886 Fax: 1-352-913-4219



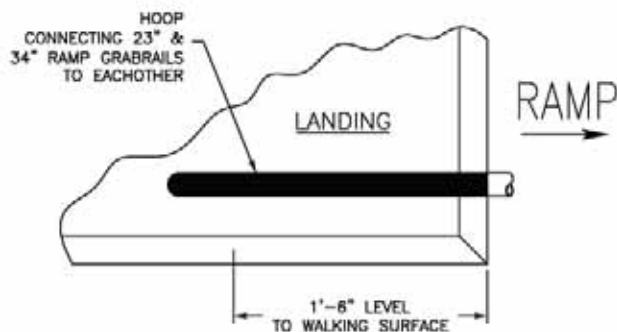
FOR QUOTE
PURPOSES ONLY

UNIVERSAL RAMP SYSTEM
ALUMINUM ACCESS RAMP SYSTEM
WITH 42/34/23 VERTICAL PICKET GUARD RAILS

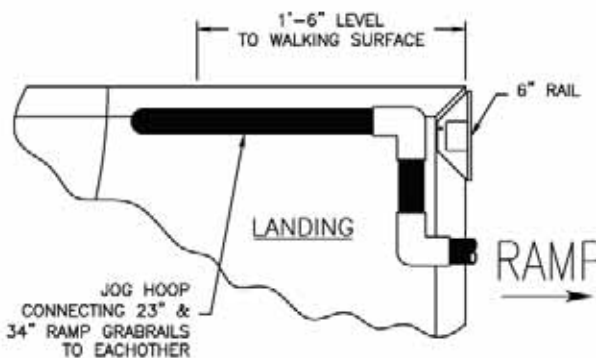
2004
SALES URS
SALES URS
PLM
SHEET NUMBER
423423-1



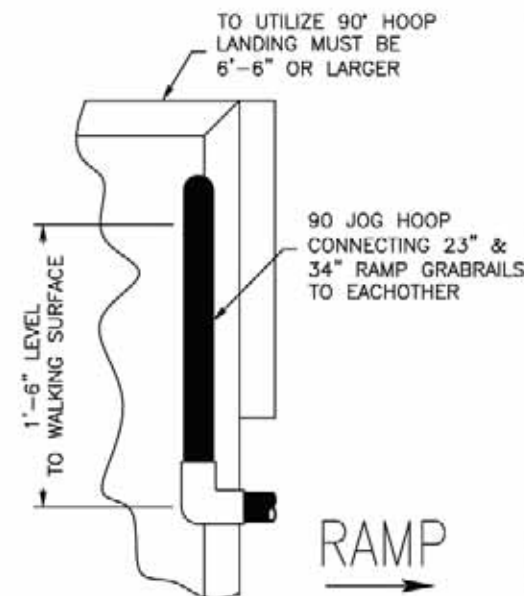
ELEVATION VIEW: 42/34/23 VP ALUMINUM ACCESS RAMP SYSTEM



1 UPPER/LOWER HOOP DETAIL
2 42/34/23 RAMP HANDRAIL



2 UPPER JOG HOOP DETAIL
2 42/34/23 RAMP HANDRAIL



3 UPPER 90° HOOP DETAIL
2 42/34/23 RAMP HANDRAIL (OPTIONAL)

ALUMINUM ACCESS RAMP SYSTEM
WITH 42/34/23 VERTICAL PICKET GUARD RAILS

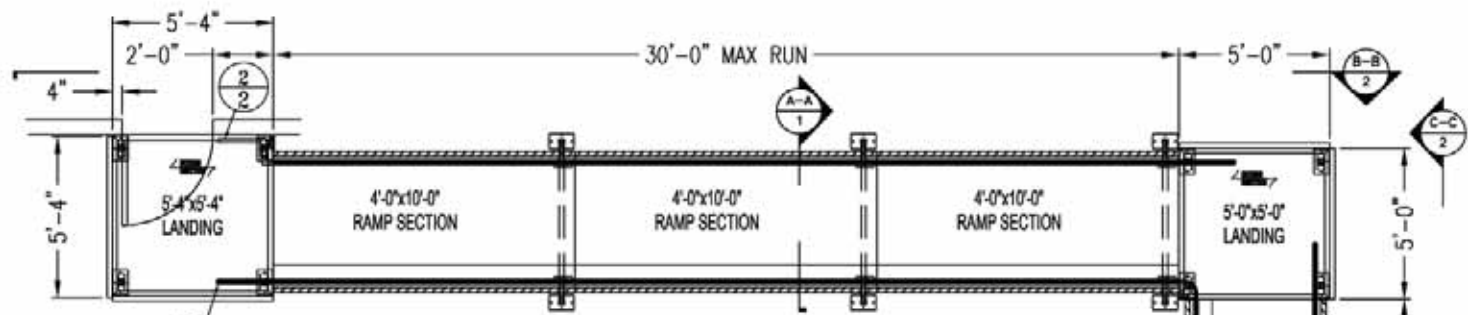
REDD Team Manufacturing,
A Division of Alcoa Extrusions, Inc.
6599 S.R. 21
KeySTONE Heights, Florida 32856
Phone: 1-800-948-3886 Fax: 1-352-913-0219



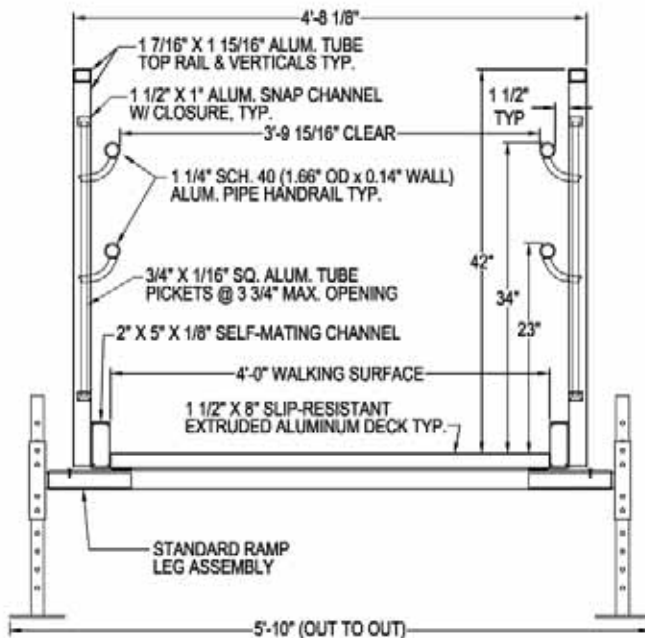
FOR QUOTE
PURPOSES ONLY

UNIVERSAL RAMP SYSTEM
ALUMINUM ACCESS RAMP SYSTEM
WITH 42/34/23 VERTICAL PICKET GUARD RAILS

DATE: 2004
BY: SALES URS
CHECKED BY: SALES URS
DESIGNED BY: PLM
SHEET NUMBER
423423-2



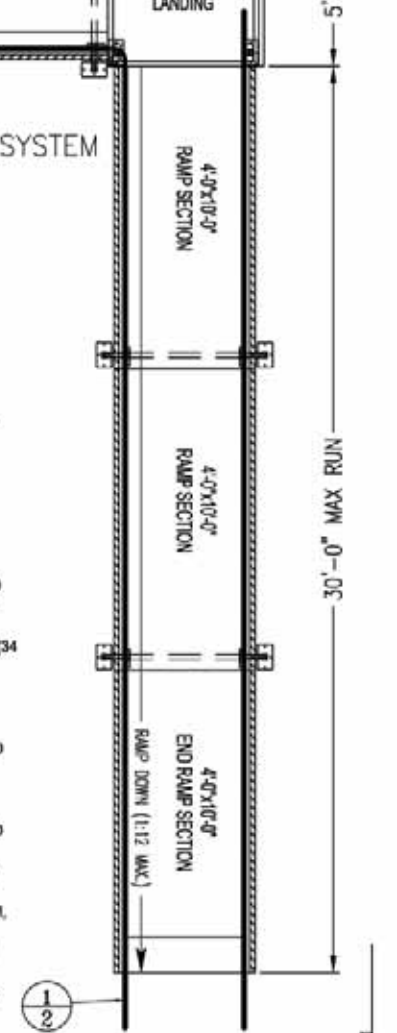
PLAN VIEW: 42/34/23 VP ALUMINUM ACCESS RAMP SYSTEM
(CAN BE ASSEMBLED WITH OTHER RAMP SIZES)



A-A
1 DETAIL
42/34/23 RAMP/HANDRAIL CROSS SECTION
SCALE: NTS

GENERAL NOTES:

1. ALUMINUM RAMP, LANDING AND STAIR SECTIONS SHALL BE A RIGID, FREE-SPAN DESIGN.
2. DESIGN OF THE ALUMINUM STRUCTURES SHALL CONFORM TO THE CURRENT EDITION OF THE ALUMINUM ASSOCIATION SPECIFICATIONS AND GUIDELINES FOR ALUMINUM STRUCTURES.
3. ALL ALUMINUM CONSTRUCTION USING 6000 SERIES ALUMINUM ALLOYS. STRUCTURAL MEMBERS TO BE 6061-T6 AND 6063-T6 ALUMINUM ALLOY.
4. ALUMINUM WILL BE STANDARD MILL FINISH UNLESS OTHERWISE NOTED.
5. WELDING SHALL BE IN ACCORDANCE WITH ANSIAWS D1.2-97 GAS METAL ARC WELDING (GMAW) PROCESS BY EXPERIENCED OPERATORS.
6. ALL FASTENERS TO BE 18-8 (SERIES 304) STAINLESS STEEL UNLESS OTHERWISE NOTED.
7. LANDING, RAMP AND STAIR SECTIONS ARE TO BE ENGINEERED FOR A 100 PSF LIVE LOAD.
8. LANDING AND RAMP WALKING SURFACES SHALL BE DESIGNED FOR A MINIMUM CONCENTRATED VERTICAL LOAD OF 300 LBS APPLIED EVENLY OVER A 12" x 12" AREA. STAIR TREAD SHALL BE DESIGNED FOR A MINIMUM CONCENTRATED VERTICAL LOAD OF 300 LBS APPLIED EVENLY OVER A 4 INCH SQUARE AREA.
9. RAMP AND LANDING GUARDRAILS TO BE 42 INCH MINIMUM HEIGHT UNLESS OTHERWISE SPECIFIED. (34 AND 38 INCH TWO-LINE RAMP RAILS AND 34 AND 38 INCH VERTICAL PICKET RAMP RAILS AS WELL AS CUSTOM DESIGN RAMP RAILS AVAILABLE UPON REQUEST FOR SYSTEMS NO MORE THAN 30 INCHES ABOVE FINISHED GROUND LEVEL.)
10. GUARDRAILS SHALL BE DESIGNED AND CONSTRUCTED FOR A LOAD OF 50 PLF APPLIED HORIZONTALLY AT THE REQUIRED GUARDRAIL HEIGHT AND A SIMULTANEOUS LOAD OF 100 PLF APPLIED VERTICALLY DOWNWARD AT THE TOP OF THE GUARDRAIL.
11. HANDRAILS SHALL BE DESIGNED AND CONSTRUCTED FOR A LOAD OF 50 PLF APPLIED IN ANY DIRECTION.
12. HANDRAILS AND GUARDRAILS SHALL BE DESIGNED FOR A CONCENTRATED LOAD OF 200 LB APPLIED AT ANY POINT AND IN ANY DIRECTION.
13. GUARDRAILS SHALL BE DESIGNED SO THAT A 4 (FOUR) INCH SPHERE CANNOT PASS THROUGH ANY OPENING IN THE RAIL.
14. DECK SURFACE SHALL BE A SLIP RESISTANT, EXTRUDED ALUMINUM DECKING WITH A TRIPLE I-BEAM, SELF-MATING DESIGN.
15. ALL SURFACES, MEMBERS AND THEIR WELDED JOINTS SHALL BE SMOOTH AND FREE FROM SHARP OR JAGGED EDGES.
16. ALL DESIGNS SHOWN HEREIN ARE SUBJECT TO CHANGE PENDING FIELD VERIFICATION OF EXISTING CONDITIONS.



SEE ALL NOTES AND SPECIFICATIONS FOR THIS PROJECT.
REDD Team Manufacturing, Inc.
A Division of Alcoa Extrusions, Inc.
6599 S.R. 21
KeySTONE Heights, Florida 32856
Phone: 1-800-948-3886 Fax: 1-352-913-4219

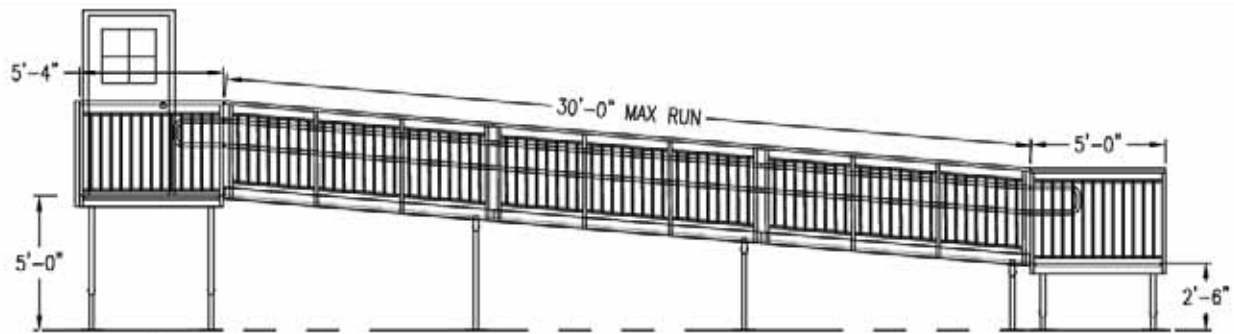
REDD Team Manufacturing, Inc.
A Division of Alcoa Extrusions, Inc.
6599 S.R. 21
KeySTONE Heights, Florida 32856
Phone: 1-800-948-3886 Fax: 1-352-913-4219



FOR QUOTE PURPOSES ONLY

UNIVERSAL RAMP SYSTEM
ALUMINUM ACCESS RAMP SYSTEM
WITH 42/34/23 VERTICAL PICKET GUARD RAILS

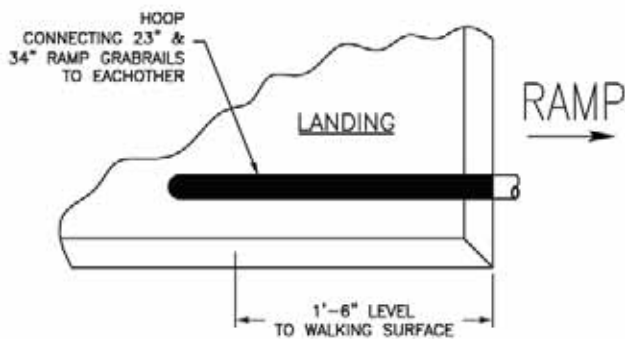
2004
SALES URS
SALES URS
PLM
SHEET NUMBER
42-90-1



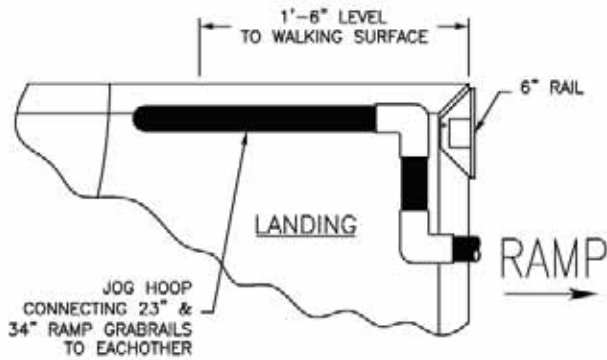
①-①
2 ELEVATION VIEW: 42/34/23 VP ALUMINUM ACCESS RAMP SYSTEM



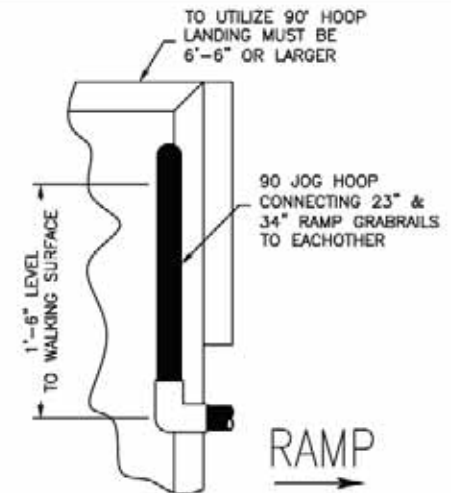
①-①
2 ELEVATION VIEW: 42/34/23 VP ALUMINUM ACCESS RAMP SYSTEM



① UPPER/LOWER HOOP DETAIL
② 42/34/23 RAMP HANDRAIL



② UPPER JOG HOOP DETAIL
② 42/34/23 RAMP HANDRAIL



③ UPPER 90° HOOP DETAIL
② 42/34/23 RAMP HANDRAIL (OPTIONAL)

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.
THIS DRAWING IS THE PROPERTY OF REDD TEAM MANUFACTURING, INC. IT IS TO BE USED ONLY FOR THE PROJECT AND LOCATION SPECIFICALLY IDENTIFIED HEREON. ANY REUSE OR MODIFICATION OF THIS DRAWING WITHOUT THE WRITTEN PERMISSION OF REDD TEAM MANUFACTURING, INC. IS PROHIBITED.

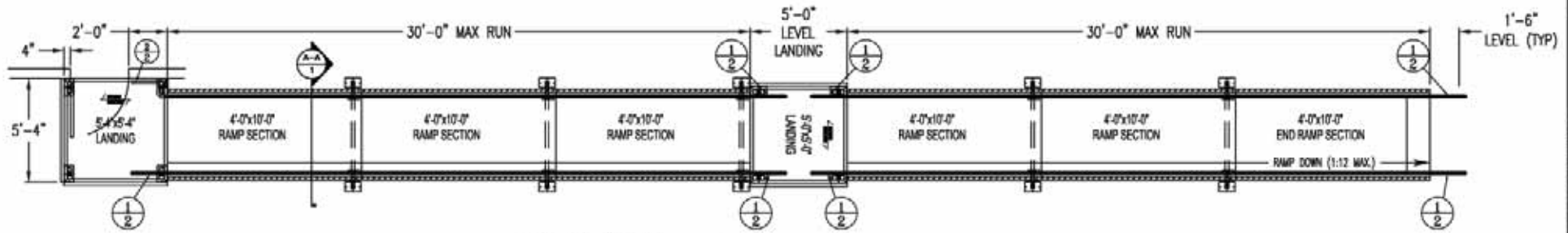
REDD Team Manufacturing,
A Division of Alcoa Extrusions, Inc.
6899 S.R. 21
KeySTONE Heights, Florida 32856
Phone: 1-800-646-3886 Fax: 1-352-913-0219



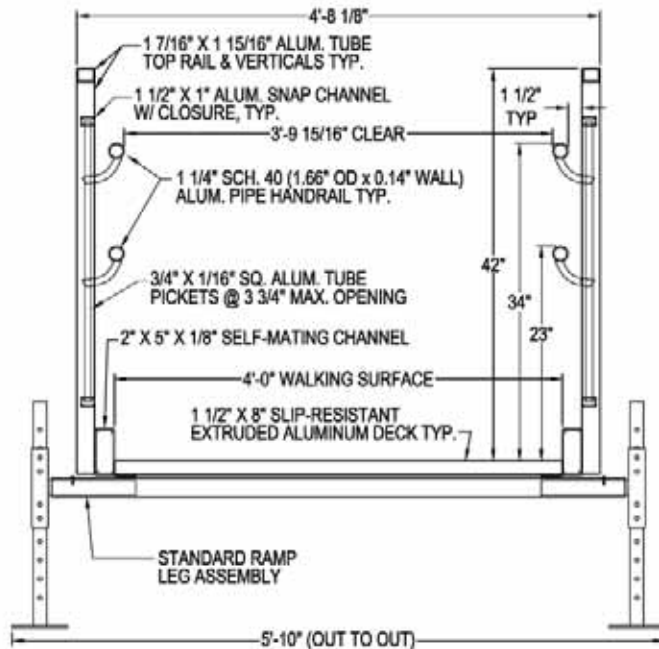
FOR QUOTE PURPOSES ONLY

UNIVERSAL RAMP SYSTEM
ALUMINUM ACCESS RAMP SYSTEM
WITH 42/34/23 VERTICAL PICKET GUARD RAILS

DATE: 2004
BY: SALES URS
CHECKED: SALES URS
DESIGNED: PLM
SHEET NUMBER: 42-90-2



PLAN VIEW: 42/34/23 VP ALUMINUM ACCESS RAMP SYSTEM
(CAN BE ASSEMBLED WITH OTHER RAMP SIZES)



A-A
1 DETAIL
42/34/23 RAMP/HANDRAIL CROSS SECTION
SCALE: NTS

GENERAL NOTES:

1. ALUMINUM RAMP, LANDING AND STAIR SECTIONS SHALL BE A RIGID, FREE-SPAN DESIGN.
2. DESIGN OF THE ALUMINUM STRUCTURES SHALL CONFORM TO THE CURRENT EDITION OF THE ALUMINUM ASSOCIATION SPECIFICATIONS AND GUIDELINES FOR ALUMINUM STRUCTURES.
3. ALL ALUMINUM CONSTRUCTION USING 6000 SERIES ALUMINUM ALLOYS. STRUCTURAL MEMBERS TO BE 6061-T6 AND 6063-T6 ALUMINUM ALLOY.
4. ALUMINUM WILL BE STANDARD MILL FINISH UNLESS OTHERWISE NOTED.
5. WELDING SHALL BE IN ACCORDANCE WITH ANS/VAWS D1.2-97 GAS METAL ARC WELDING (GMAW) PROCESS BY EXPERIENCED OPERATORS.
6. ALL FASTENERS TO BE 18-8 (SERIES 304) STAINLESS STEEL UNLESS OTHERWISE NOTED.
7. LANDING, RAMP AND STAIR SECTIONS ARE TO BE ENGINEERED FOR A 100 PSF LIVE LOAD.
8. LANDING AND RAMP WALKING SURFACES SHALL BE DESIGNED FOR A MINIMUM CONCENTRATED VERTICAL LOAD OF 300 LBS APPLIED EVENLY OVER A 12" x 12" AREA. STAIR TREAD SHALL BE DESIGNED FOR A MINIMUM CONCENTRATED VERTICAL LOAD OF 300 LBS APPLIED EVENLY OVER A 4 INCH SQUARE AREA.
9. RAMP AND LANDING GUARDRAILS TO BE 42 INCH MINIMUM HEIGHT UNLESS OTHERWISE SPECIFIED. (34 AND 38 INCH TWO-LINE RAMP RAILS AND 34 AND 38 INCH VERTICAL PICKET RAMP RAILS AS WELL AS CUSTOM DESIGN RAMP RAILS AVAILABLE UPON REQUEST FOR SYSTEMS NO MORE THAN 30 INCHES ABOVE FINISHED GROUND LEVEL.)
10. GUARDRAILS SHALL BE DESIGNED AND CONSTRUCTED FOR A LOAD OF 50 PLF APPLIED HORIZONTALLY AT THE REQUIRED GUARDRAIL HEIGHT AND A SIMULTANEOUS LOAD OF 100 PLF APPLIED VERTICALLY DOWNWARD AT THE TOP OF THE GUARDRAIL.
11. HANDRAILS SHALL BE DESIGNED AND CONSTRUCTED FOR A LOAD OF 50 PLF APPLIED IN ANY DIRECTION.
12. HANDRAILS AND GUARDRAILS SHALL BE DESIGNED FOR A CONCENTRATED LOAD OF 200 LB APPLIED AT ANY POINT AND IN ANY DIRECTION.
13. GUARDRAILS SHALL BE DESIGNED SO THAT A 4 (FOUR) INCH SPHERE CANNOT PASS THROUGH ANY OPENING IN THE RAIL.
14. DECK SURFACE SHALL BE A SLIP RESISTANT, EXTRUDED ALUMINUM DECKING WITH A TRIPLE I-BEAM, SELF-MATING DESIGN.
15. ALL SURFACES, MEMBERS AND THEIR WELDED JOINTS SHALL BE SMOOTH AND FREE FROM SHARP OR JAGGED EDGES.
16. ALL DESIGNS SHOWN HEREIN ARE SUBJECT TO CHANGE PENDING FIELD VERIFICATION OF EXISTING CONDITIONS.

SEE THE SPECIFICATIONS FOR THE
ALUMINUM ACCESS RAMP SYSTEM
FOR A COMPLETE LIST OF THE
ALUMINUM ACCESS RAMP SYSTEM
PRODUCTS MANUFACTURED BY
REDD TEAM MANUFACTURING, INC.

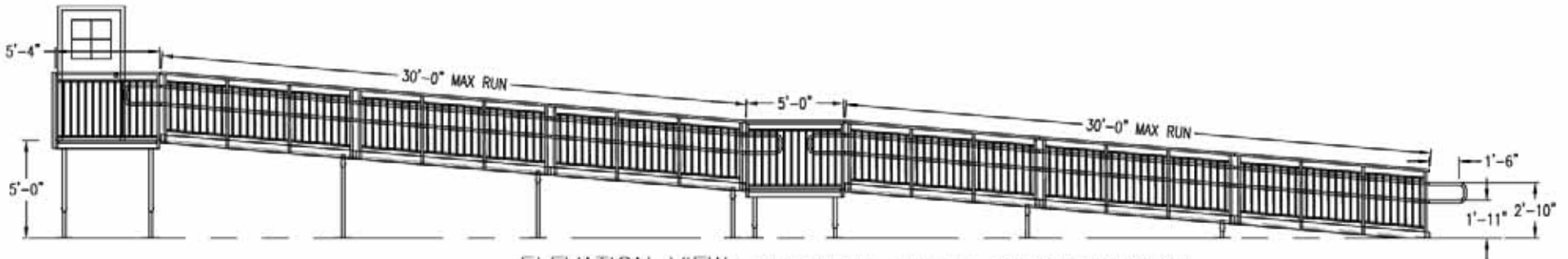
REDD Team Manufacturing,
A Division of Alcoa Extrusions, Inc.
6599 S.R. 21
Keystone Heights, Florida 32856
Phone: 1-800-948-3886 Fax: 1-352-913-4219



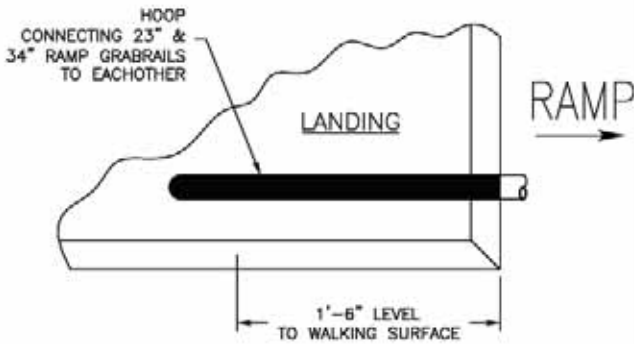
FOR QUOTE
PURPOSES ONLY

UNIVERSAL RAMP SYSTEM
ALUMINUM ACCESS RAMP SYSTEM
WITH 42/34/23 VERTICAL PICKET GUARD RAILS

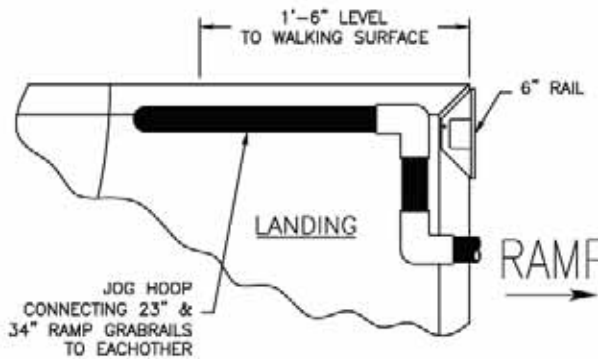
2004
SALES URS
SALES URS
PLM
SHEET NUMBER
42-INT-1



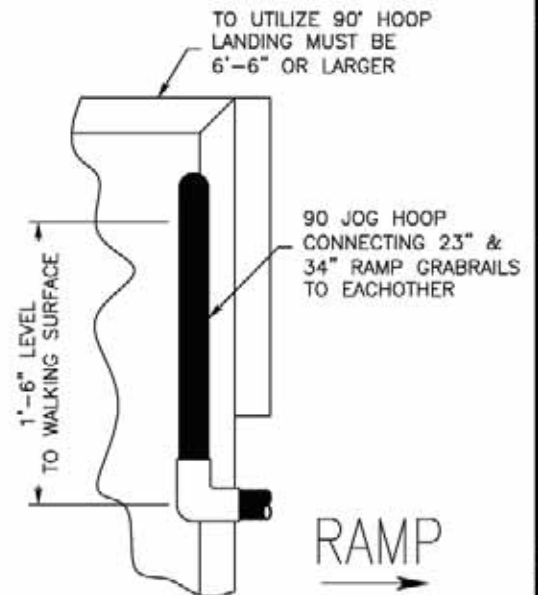
ELEVATION VIEW: 42/34/23 VP ALUMINUM ACCESS RAMP SYSTEM



1 UPPER/LOWER HOOP DETAIL
2 42/34/23 RAMP HANDRAIL



2 UPPER JOG HOOP DETAIL
2 42/34/23 RAMP HANDRAIL



3 UPPER 90° HOOP DETAIL
2 42/34/23 RAMP HANDRAIL (OPTIONAL)

ALUMINUM ACCESS RAMP SYSTEM
WITH 42/34/23 VERTICAL PICKET GUARD RAILS

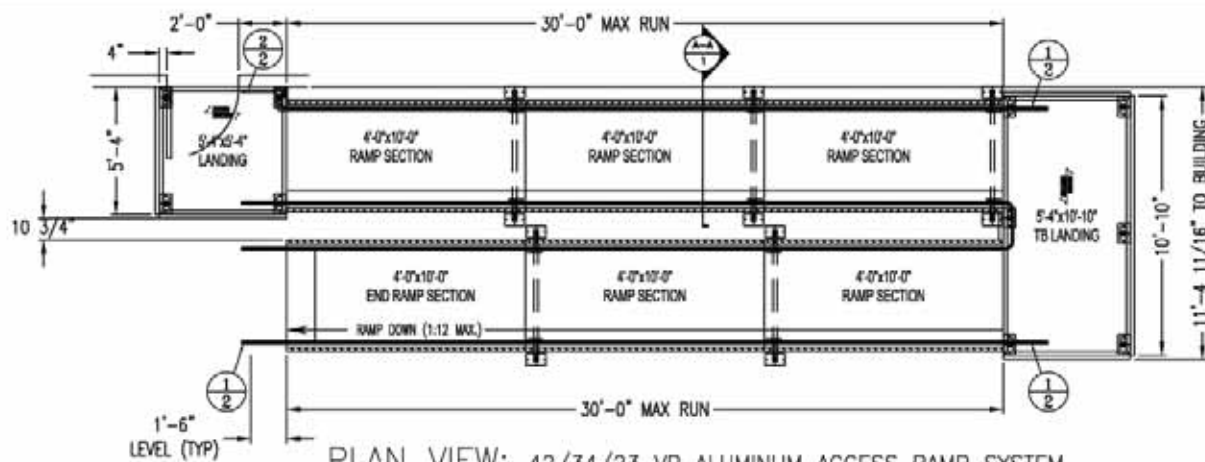
REDD Team Manufacturing, Inc.
A Division of Alcoa Extrusions, Inc.
6599 S.R. 21
KeySTONE Heights, Florida 32856
Phone: 1-800-948-3886 Fax: 1-352-913-0219



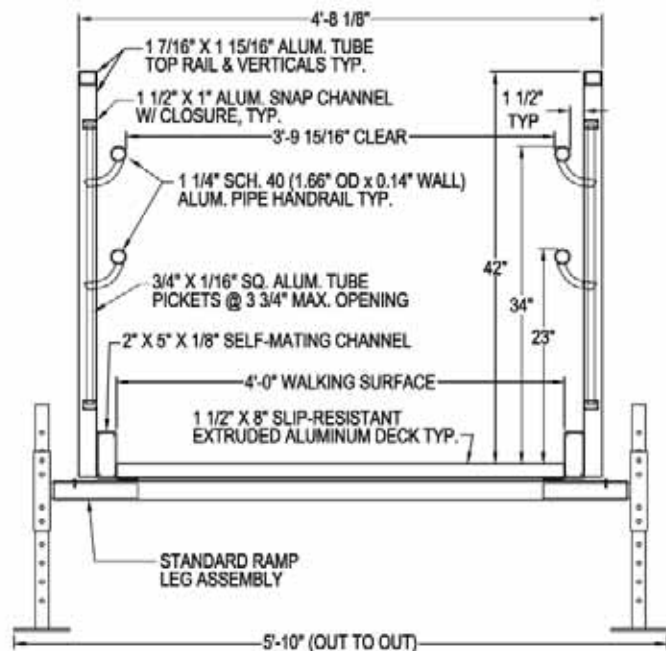
FOR QUOTE PURPOSES ONLY

UNIVERSAL RAMP SYSTEM
ALUMINUM ACCESS RAMP SYSTEM
WITH 42/34/23 VERTICAL PICKET GUARD RAILS

DATE: 2004
BY: SALES URS
CHECKED: SALES URS
DESIGNED BY: PLM
SHEET NUMBER: 42-INT-2



PLAN VIEW: 42/34/23 VP ALUMINUM ACCESS RAMP SYSTEM
(CAN BE ASSEMBLED WITH OTHER RAMP SIZES)



A-A
1 **DETAIL**
42/34/23 RAMP/HANDRAIL CROSS SECTION
SCALE: NTS

GENERAL NOTES:

1. ALUMINUM RAMP, LANDING AND STAIR SECTIONS SHALL BE A RIGID, FREE-SPAN DESIGN.
2. DESIGN OF THE ALUMINUM STRUCTURES SHALL CONFORM TO THE CURRENT EDITION OF THE ALUMINUM ASSOCIATION SPECIFICATIONS AND GUIDELINES FOR ALUMINUM STRUCTURES.
3. ALL ALUMINUM CONSTRUCTION USING 6000 SERIES ALUMINUM ALLOYS. STRUCTURAL MEMBERS TO BE 6061-T6 AND 6063-T6 ALUMINUM ALLOY.
4. ALUMINUM WILL BE STANDARD MILL FINISH UNLESS OTHERWISE NOTED.
5. WELDING SHALL BE IN ACCORDANCE WITH AWS/AWS D1.2-97 GAS METAL ARC WELDING (GMAW) PROCESS BY EXPERIENCED OPERATORS.
6. ALL FASTENERS TO BE 18-8 (SERIES 304) STAINLESS STEEL UNLESS OTHERWISE NOTED.
7. LANDING AND RAMP AND STAIR SECTIONS ARE TO BE ENGINEERED FOR A 100 PSF LIVE LOAD.
8. LANDING AND RAMP WALKING SURFACES SHALL BE DESIGNED FOR A MINIMUM CONCENTRATED VERTICAL LOAD OF 300 LBS APPLIED EVENLY OVER A 12" x 12" AREA. STAIR TREAD SHALL BE DESIGNED FOR A MINIMUM CONCENTRATED VERTICAL LOAD OF 300 LBS APPLIED EVENLY OVER A 4 INCH SQUARE AREA.
9. RAMP AND LANDING GUARDRAILS TO BE 42 INCH MINIMUM HEIGHT UNLESS OTHERWISE SPECIFIED. (34 AND 38 INCH TWO-LINE RAMP RAILS AND 34 AND 38 INCH VERTICAL PICKET RAMP RAILS AS WELL AS CUSTOM DESIGN RAMP RAILS AVAILABLE UPON REQUEST FOR SYSTEMS NO MORE THAN 30 INCHES ABOVE FINISHED GROUND LEVEL.)
10. GUARDRAILS SHALL BE DESIGNED AND CONSTRUCTED FOR A LOAD OF 50 PLF APPLIED HORIZONTALLY AT THE REQUIRED GUARDRAIL HEIGHT AND A SIMULTANEOUS LOAD OF 100 PLF APPLIED VERTICALLY DOWNWARD AT THE TOP OF THE GUARDRAIL.
11. HANDRAILS SHALL BE DESIGNED AND CONSTRUCTED FOR A LOAD OF 50 PLF APPLIED IN ANY DIRECTION.
12. HANDRAILS AND GUARDRAILS SHALL BE DESIGNED FOR A CONCENTRATED LOAD OF 200 LB APPLIED AT ANY POINT AND IN ANY DIRECTION.
13. GUARDRAILS SHALL BE DESIGNED SO THAT A 4 (FOUR) INCH SPHERE CANNOT PASS THROUGH ANY OPENING IN THE RAIL.
14. DECK SURFACE SHALL BE A SLIP RESISTANT, EXTRUDED ALUMINUM DECKING WITH A TRIPLE I-BEAM, SELF-MATING DESIGN.
15. ALL SURFACES, MEMBERS AND THEIR WELDED JOINTS SHALL BE SMOOTH AND FREE FROM SHARP OR JAGGED EDGES.
16. ALL DESIGNS SHOWN HEREIN ARE SUBJECT TO CHANGE PENDING FIELD VERIFICATION OF EXISTING CONDITIONS.

SEE SHEET 42-TB-1 FOR RAMP SYSTEM TO BE ASSEMBLED WITH OTHER RAMP SIZES. THIS RAMP SYSTEM IS MANUFACTURED BY REDD TEAM MANUFACTURING, INC. A DIVISION OF ALCOA EXTRUSIONS, INC. 6599 S.R. 21 KEYSTONE HEIGHTS, FLORIDA 32856
PHONE: 1-800-948-3886 FAX: 1-352-913-4219

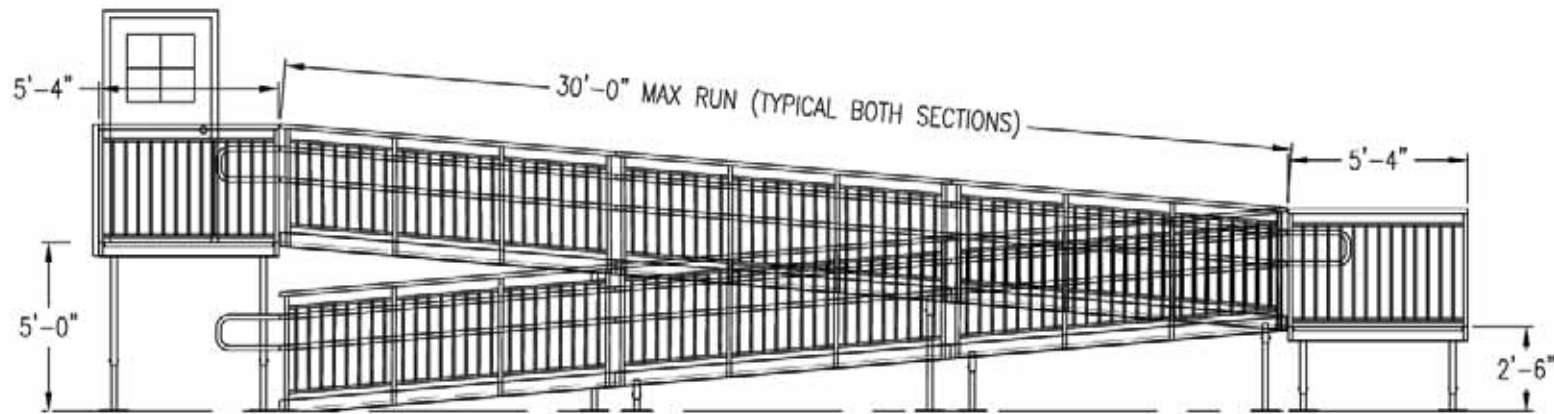
REDD Team Manufacturing, Inc.
A Division of Alcoa Extrusions, Inc.
6599 S.R. 21
Keystone Heights, Florida 32856
Phone: 1-800-948-3886 Fax: 1-352-913-4219



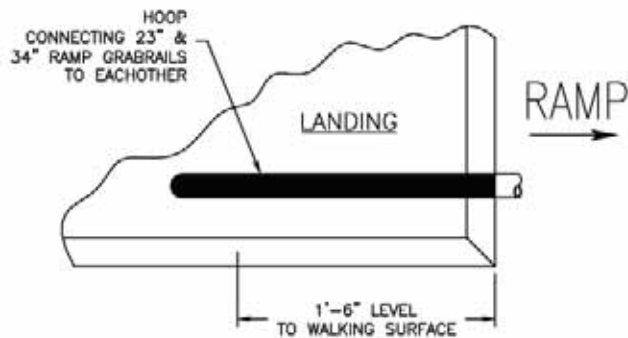
FOR QUOTE
PURPOSES ONLY

UNIVERSAL RAMP SYSTEM
ALUMINUM ACCESS RAMP SYSTEM
WITH 42/34/23 VERTICAL PICKET GUARD RAILS

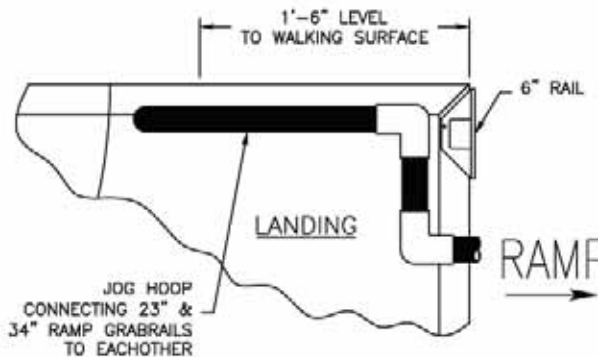
2004
SALES URS
SALES URS
PLM
SHEET NUMBER
42-TB-1



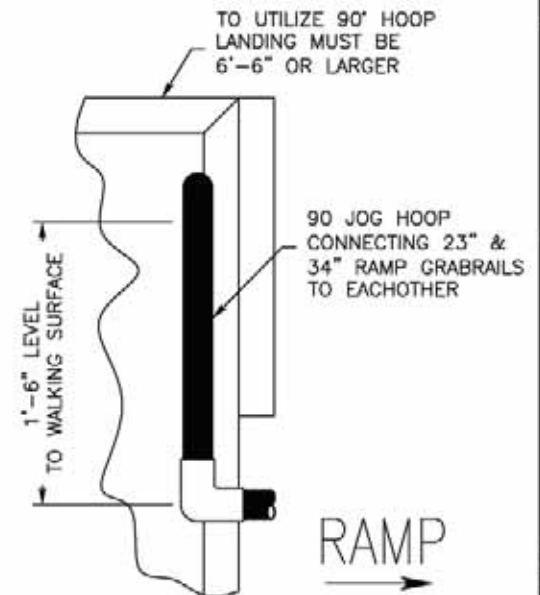
ELEVATION VIEW: 42/34/23 VP ALUMINUM ACCESS RAMP SYSTEM



1 UPPER/LOWER HOOP DETAIL
2 42/34/23 RAMP HANDRAIL



2 UPPER JOG HOOP DETAIL
2 42/34/23 RAMP HANDRAIL



3 UPPER 90° HOOP DETAIL
2 42/34/23 RAMP HANDRAIL (OPTIONAL)

ALUMINUM ACCESS RAMP SYSTEM WITH 42/34/23 VP ALUMINUM ACCESS RAMP SYSTEM WITH 42/34/23 VERTICAL PICKET GUARD RAILS

REDD Team Manufacturing, Inc.
A Division of Alcoa Extrusions, Inc.
6599 S.R. 21
KeySTONE Heights, Florida 32856
Phone: 1-800-948-3886 Fax: 1-352-913-0219



FOR QUOTE PURPOSES ONLY

UNIVERSAL RAMP SYSTEM
ALUMINUM ACCESS RAMP SYSTEM
WITH 42/34/23 VERTICAL PICKET GUARD RAILS

DATE: 2004
BY: SALES URS
CHECKED: SALES URS
DESIGNED BY: PLM
SHEET NUMBER: 42-TB-2