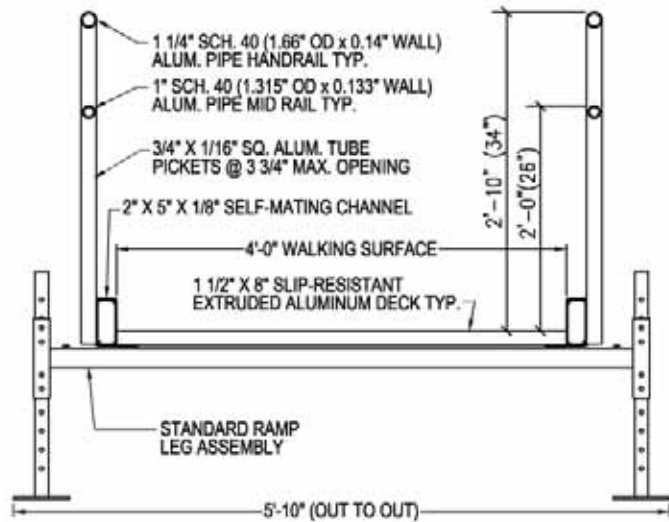


PLAN VIEW: 34 TL ALUMINUM ACCESS RAMP SYSTEM

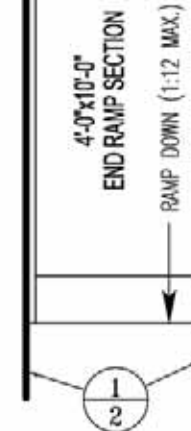
NOTE: TO USE 34 TL, MAX RUN OF ENTIRE RAMP SYSTEM CANNOT EXCEED 30'-0"



A-A
1
34" TL RAMP CROSS SECTION
SCALE: 3/4"=1'-0"

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 ANSI/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, 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 34 INCH TWO-LINE RAMP RAILS AND 34 AND 34 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.



CRITICAL DIMENSIONS SHOWN IN RED
ALL DIMENSIONS IN PARENTHESES ARE
DIMENSIONS TO FACE UNLESS NOTED
W.L. = WORKING LEVEL
FIN. = FINISHED GRADE
FIN. = FINISHED GRADE
CONSTRUCTION TO BE VERIFIED

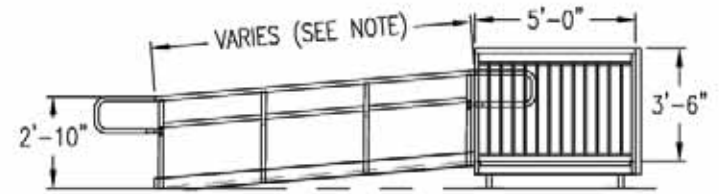
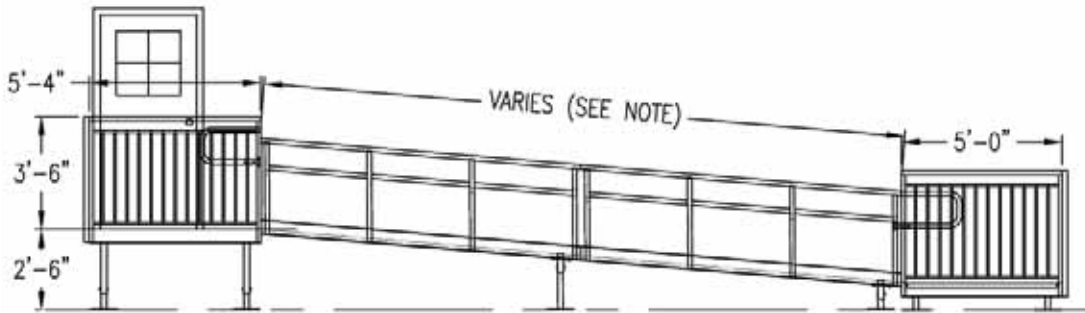
REDD Team Manufacturing,
A Division of Alcoa Extrusions, Inc.
6599 S.R. 21
Keywest Heights, Florida 32856
Phone: 1(800)948-3868 Fax: 1(352)473-0215



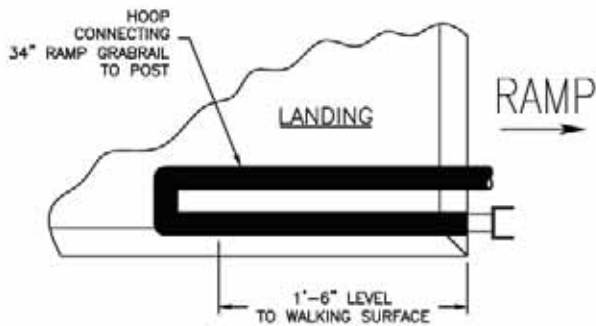
FOR QUOTE
PURPOSES ONLY

UNIVERSAL RAMP SYSTEM
ALUMINUM ACCESS RAMP SYSTEM
WITH 3/4" VERTICAL PICKET GUARD RAILS

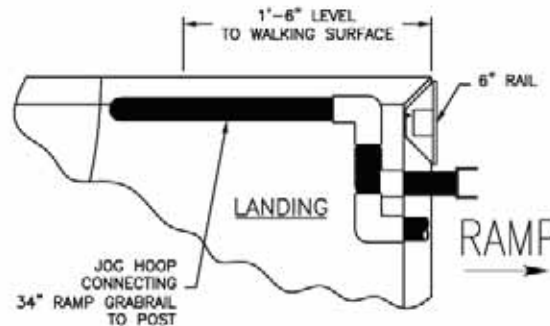
2004
SALES URS
SALES URS
PLM
SHEET NUMBER
34TL-90-



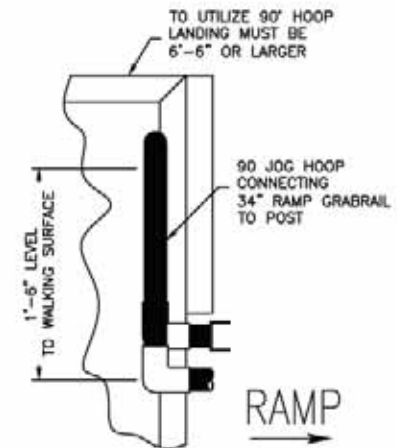
ELEV VIEW: 34 TL ALUMINUM ACCESS RAMP SYSTEM
 NOTE: TO USE 34 TL, MAX RUN OF RAMP SYSTEM=30'-0"



1 UPPER/LOWER HOOP DETAIL
 2 34TL RAMP HANDRAIL



2 UPPER JOG HOOP DETAIL
 2 34TL RAMP HANDRAIL



3 UPPER 90° HOOP DETAIL
 2 34TL RAMP HANDRAIL (OPTIONAL)

CRITICAL LIFT SERVICES HAS THE
 U.S. PATENT FOR PROTECTIVE
 HANDRAILS AND GUARDS. THE
 UNIVERSAL RAMP SYSTEM, THE
 ALUMINUM ACCESS RAMP SYSTEM,
 AND THE 34TL RAMP SYSTEM ARE
 REGISTERED TRADEMARKS OF
 REDD TEAM, INC.

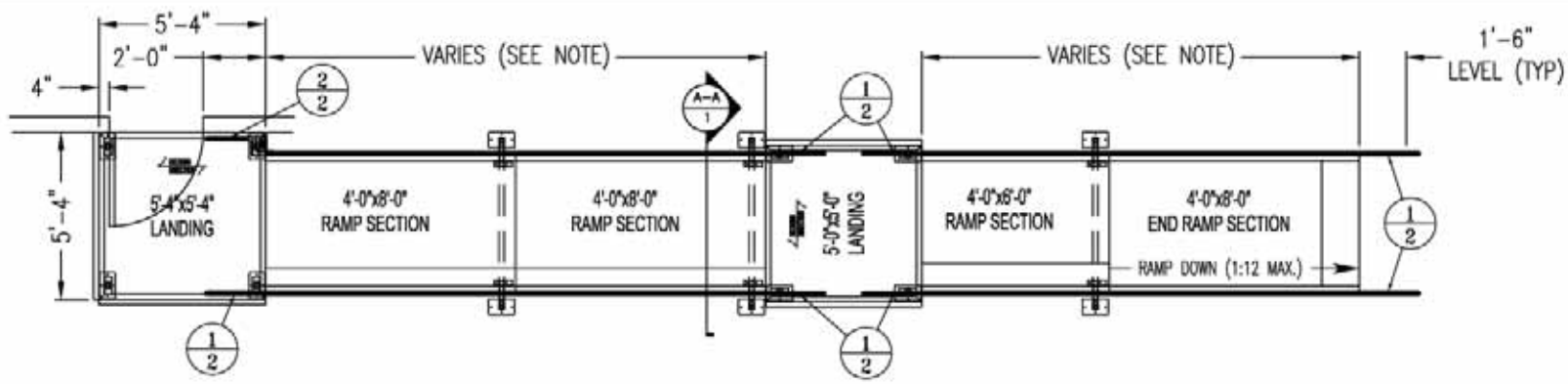
REDD Team Manufacturing,
 A Division of Alice Extrusions, Inc.
 6599 S.R. 21
 Koyoteerie Heights, Florida 32856
 Phone: 1-800-948-3868 Fax: 1-888-943-0218



**FOR QUOTE
 PURPOSES ONLY**

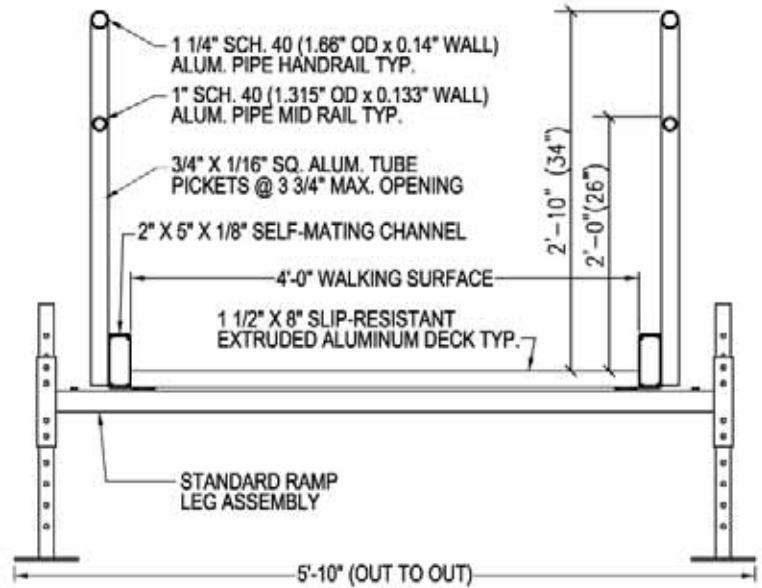
**UNIVERSAL RAMP SYSTEM
 ALUMINUM ACCESS RAMP SYSTEM
 WITH 34TL VERTICAL POCKET GUARD RAILS**

REV 2004
 SALES URS
 SALES URS
 FILM
 SHEET NUMBER
 34TL-90-2



PLAN VIEW: 34 TL ALUMINUM ACCESS RAMP SYSTEM

NOTE: TO USE 34 TL, MAX RUN OF ENTIRE RAMP SYSTEM CANNOT EXCEED 30'-0"



A-A **DETAIL**
1 34 TL RAMP CROSS SECTION
 SCALE: 3/4" = 1'-0"

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 ANSI/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, 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 34 INCH TWO-LINE RAMP RAILS AND 34 AND 34 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.
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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.

CRITICAL LIFE FUNCTIONS ONLY
 U.S. MADE IF POSSIBLE
 REDD TEAM MANUFACTURING, INC.
 6599 S.R. 21
 KEYSTONE HEIGHTS, FLORIDA 32856
 PHONE: 1(800)948-3868 FAX: 1(800)943-0215

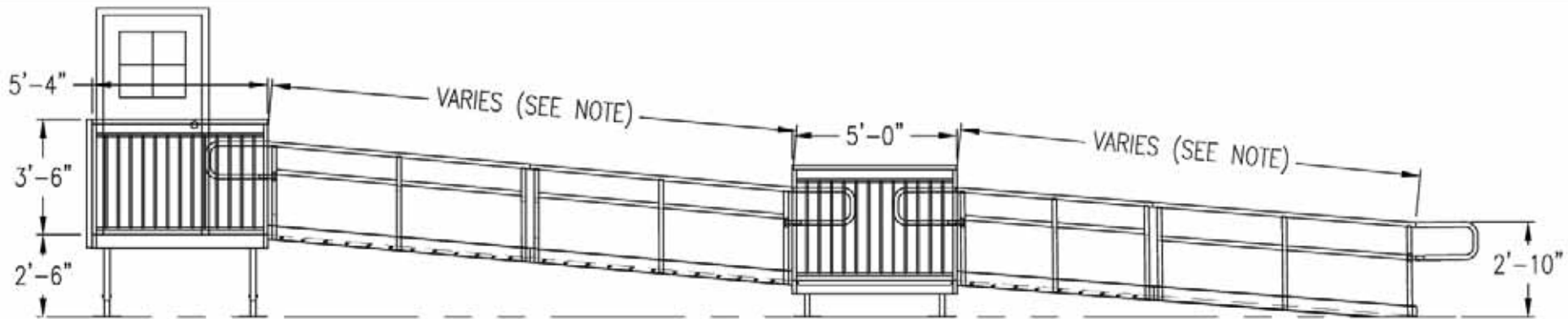
REDD Team Manufacturing,
 A Division of Alcoa Extrusions, Inc.
 6599 S.R. 21
 Keystone Heights, Florida 32856
 Phone: 1(800)948-3868 Fax: 1(800)943-0215



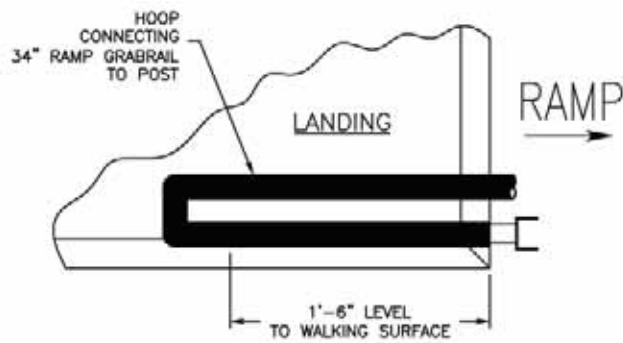
FOR QUOTE
 PURPOSES ONLY

UNIVERSAL RAMP SYSTEM
 ALUMINUM ACCESS RAMP SYSTEM
 WITH 3/4" VERTICAL PICKET GUARD RAILS

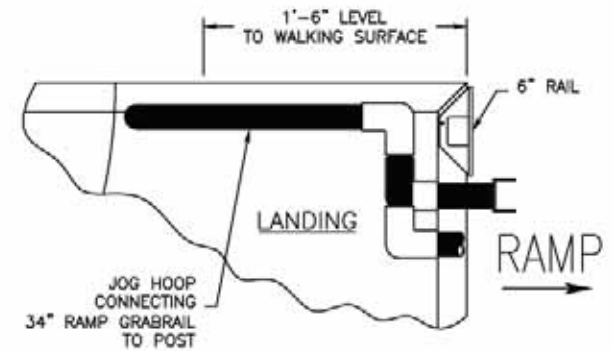
2004
 SALES URS
 SALES URS
 PLM
 SHEET NUMBER
 34TL-INT-



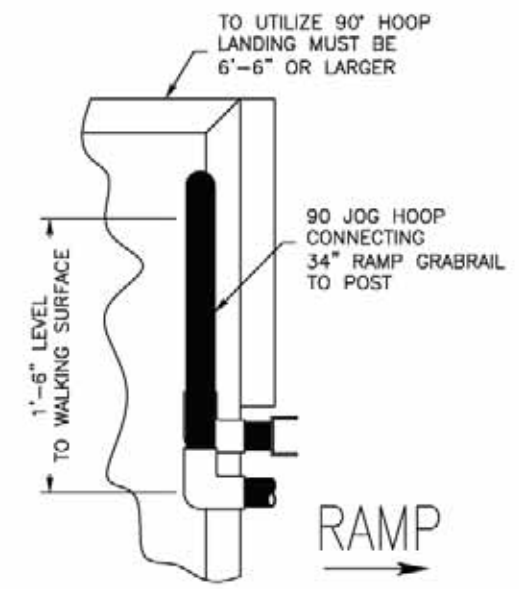
ELEV VIEW: 34 TL ALUMINUM ACCESS RAMP SYSTEM
 NOTE: TO USE 34 TL, MAX RUN OF RAMP SYSTEM=30'-0"



1 UPPER/LOWER HOOP DETAIL
 2 34TL RAMP HANDRAIL



2 UPPER JOG HOOP DETAIL
 2 34TL RAMP HANDRAIL



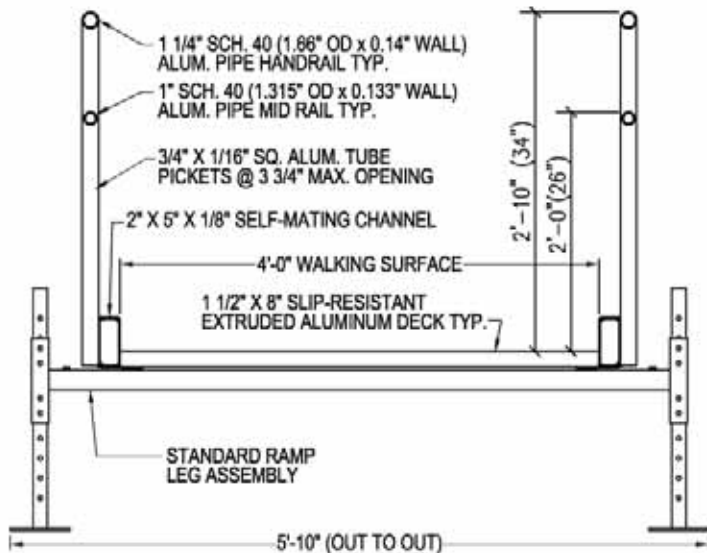
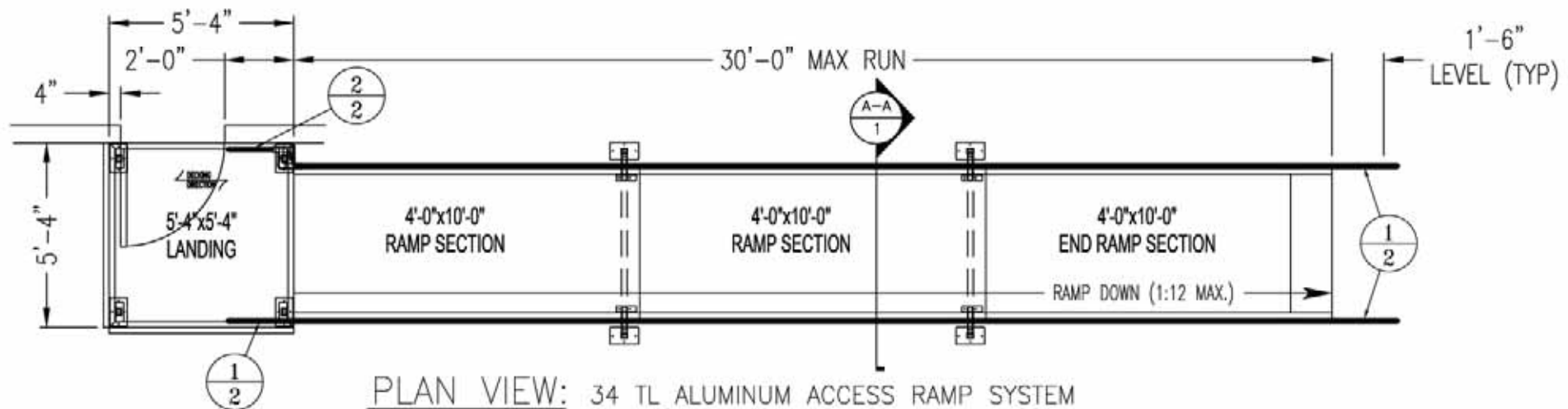
3 UPPER 90° HOOP DETAIL
 2 34TL RAMP HANDRAIL (OPTIONAL)

REDD Team Manufacturing, Inc.
 A Division of Alcoa Extrusions, Inc.
 6599 S.R. 21
 Keyport Heights, Florida 32856
 Phone: 1-800-948-3868 Fax: 1-800-943-0219

UNIVERSAL RAMP SYSTEM
 ALUMINUM ACCESS RAMP SYSTEM
 WITH 34TL VERTICAL PICKET GUARD RAILS

FOR QUOTE PURPOSES ONLY

2004
 SALES URS
 SALES URS
 SALES URS
 PLM
 SHEET NUMBER
 34TL-INT-2



A-A
1
DETAIL
34" TL RAMP CROSS SECTION
SCALE: 3/4" = 1'-0"

GENERAL NOTES:

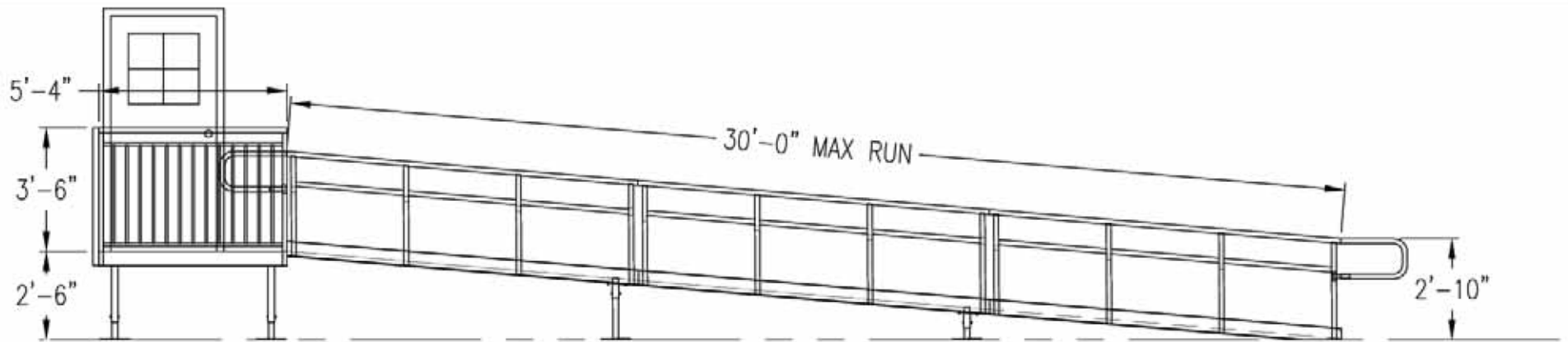
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6. ALL FASTENERS TO BE 18-8 (SERIES 304) STAINLESS STEEL UNLESS OTHERWISE NOTED.
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16. ALL DESIGNS SHOWN HEREIN ARE SUBJECT TO CHANGE PENDING FIELD VERIFICATION OF EXISTING CONDITIONS.

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 6599 S.R. 21
 Keyport Heights, Florida 32856
 Phone: (800)948-3868 Fax: (352)943-0215

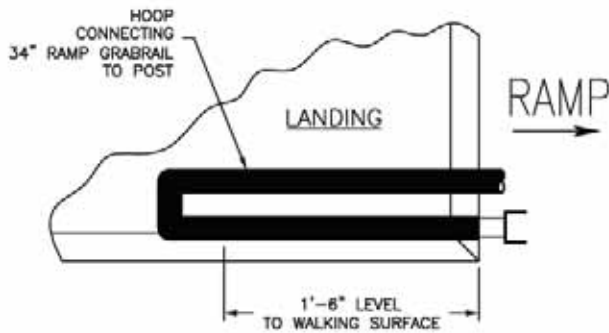
UNIVERSAL RAMP SYSTEM
 ALUMINUM ACCESS RAMP SYSTEM
 WITH 34TL VERTICAL PICKET GUARD RAILS

FOR QUOTE PURPOSES ONLY

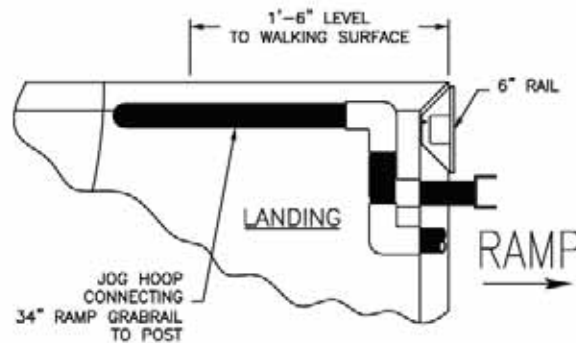
2004
 SALES URS
 SALES URS
 PLM
 SHEET NUMBER
 34-ST-1



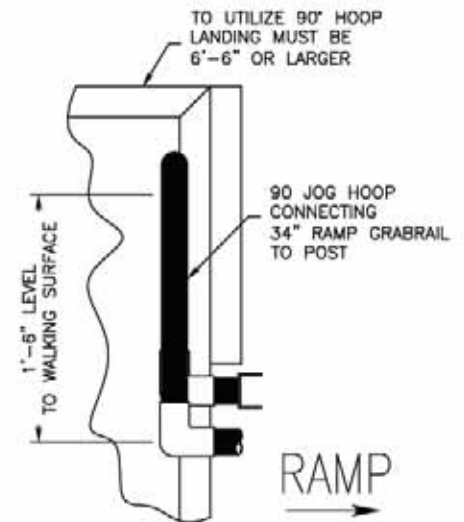
ELEVATION VIEW: 34 TL ALUMINUM ACCESS RAMP SYSTEM



1 UPPER/LOWER HOOP DETAIL
2 34TL RAMP HANDRAIL



2 UPPER JOG HOOP DETAIL
2 34TL RAMP HANDRAIL



3 UPPER 90° HOOP DETAIL
2 34TL RAMP HANDRAIL (OPTIONAL)

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UNITED STATES OF AMERICA
BY
W.L. HARRIS, CORP.
CLP IS A DIVISION OF
CLP INDUSTRIES, INC.

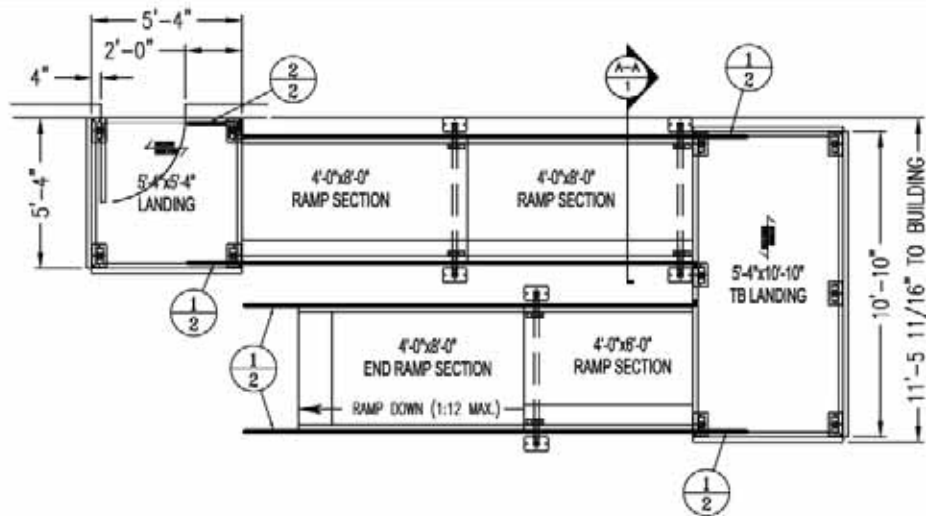
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A Division of Alice Extrusions, Inc.
6599 S.R. 21
Keyport Heights, Florida 32856
Phone: (305)948-3868 Fax: (305)943-0215



FOR QUOTE
PURPOSES ONLY

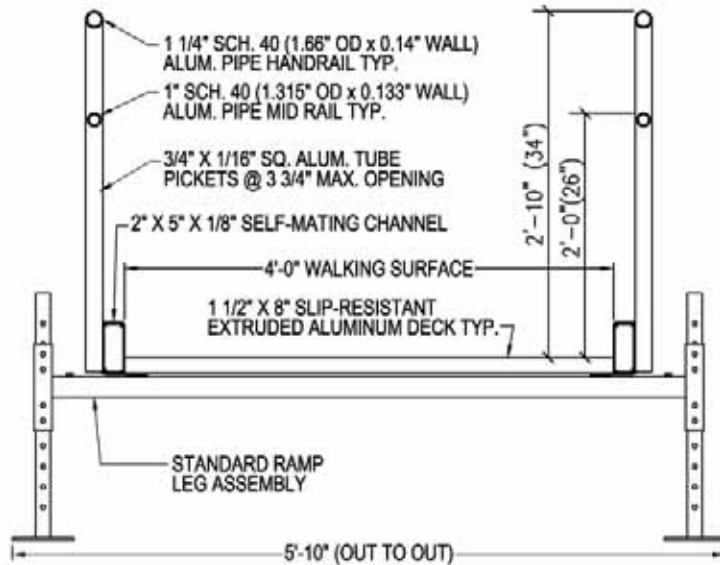
UNIVERSAL RAMP SYSTEM
ALUMINUM ACCESS RAMP SYSTEM
WITH 34TL VERTICAL PICKET GUARD RAILS

2004
SALES URS
SALES URS
PLM
SHEET NUMBER
34TL-ST-2



PLAN VIEW: 34 TL ALUMINUM ACCESS RAMP SYSTEM

NOTE: TO USE 34 TL, MAX RUN OF ENTIRE RAMP SYSTEM CANNOT EXCEED 30'-0"



A-A DETAIL
1 34" TL RAMP CROSS SECTION
 SCALE: 3/4" = 1'-0"

GENERAL NOTES:

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CRITICAL LIFE FUNCTIONS ONLY
 W.L.T. MADE BY PERMISSION OF
 THE ALUMINUM ASSOCIATION
 W.L.T. MADE BY PERMISSION OF
 THE ALUMINUM ASSOCIATION
 W.L.T. MADE BY PERMISSION OF
 THE ALUMINUM ASSOCIATION

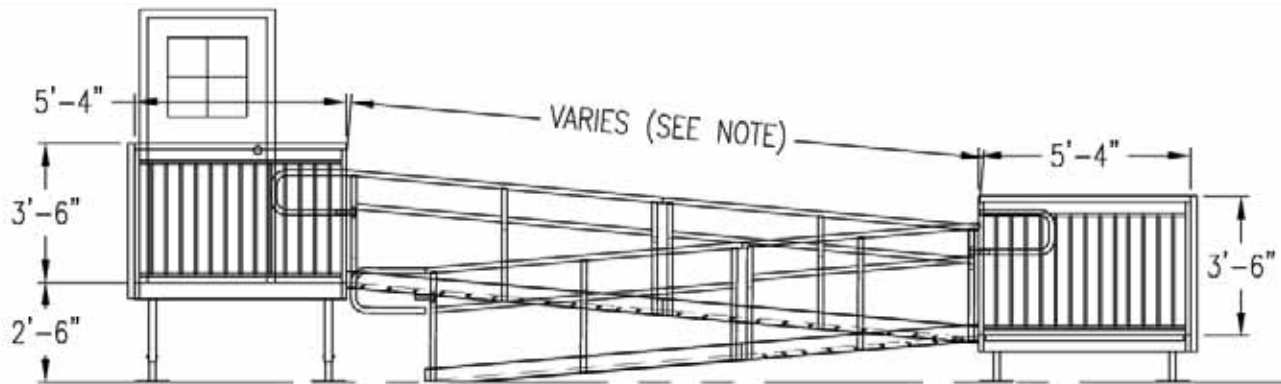
REDD Team Manufacturing,
 A Division of Alcoa Extrusions, Inc.
 6599 S.R. 21
 KeySTONE Heights, Florida 32856
 Phone: 1(800)948-3868 Fax: 1(800)943-0215



FOR QUOTE
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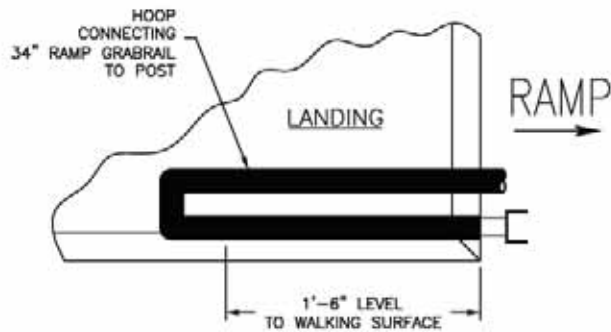
UNIVERSAL RAMP SYSTEM
 ALUMINUM ACCESS RAMP SYSTEM
 WITH 34TL VERTICAL PICKET GUARD RAILS

2004
 SALES URS
 SALES URS
 PLM
 SHEET NUMBER
 34TL-T6-1

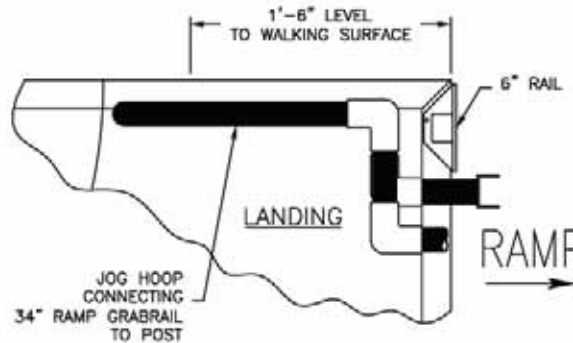


ELEV VIEW: 34 TL ALUMINUM ACCESS RAMP SYSTEM

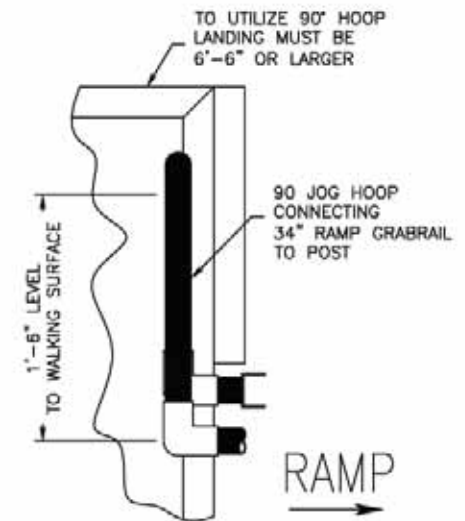
NOTE: TO USE 34 TL, MAX RUN OF RAMP SYSTEM=30'-0"



1 UPPER/LOWER HOOP DETAIL
2 34TL RAMP HANDRAIL



2 UPPER JOG HOOP DETAIL
2 34TL RAMP HANDRAIL



3 UPPER 90° HOOP DETAIL
2 34TL RAMP HANDRAIL (OPTIONAL)

DESIGN AND MANUFACTURE BY
A.L.S. AND ASSOCIATES, INC.
1000 W. 10TH AVENUE, SUITE 200
DENVER, CO 80202
TEL: 303.733.1100
FAX: 303.733.1101

REDD Team Manufacturing,
A Division of Alice Extrusions, Inc.
6599 S.R. 21
Keystone Heights, Florida 32856
Phone: 1(800)948-3868 Fax: 1(305)473-0215



FOR QUOTE
PURPOSES ONLY

UNIVERSAL RAMP SYSTEM
ALUMINUM ACCESS RAMP SYSTEM
WITH 34TL VERTICAL PICKET GUARD RAILS

2004
SALES URS
SALES URS
PLM
SHEET NUMBER
34TL-TB-2