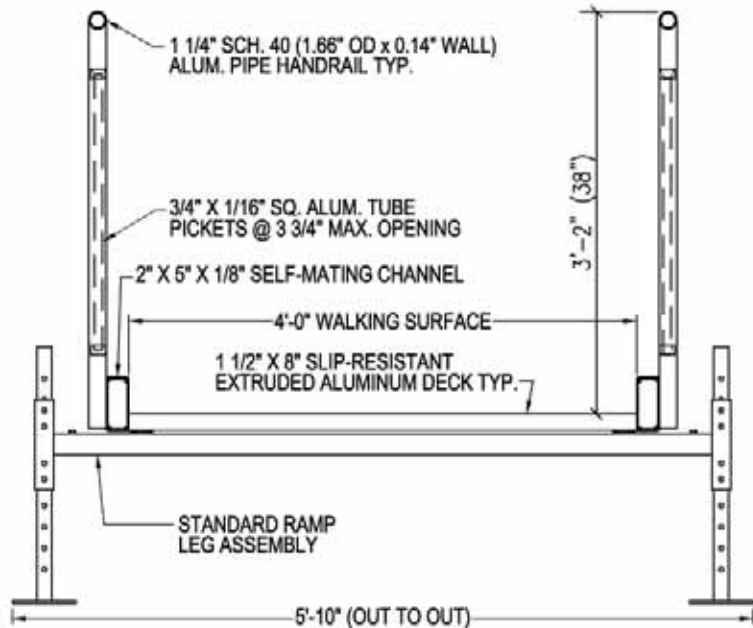


PLAN VIEW: 38 VP/TL ALUMINUM ACCESS RAMP SYSTEM

NOTE: TO USE 38 VP or TL, MAX RUN OF ENTIRE RAMP SYSTEM CANNOT EXCEED 30'-0"



A-A
1
DETAIL
38" VP/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 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.

ALUMINUM RAMP SYSTEM
UNIVERSAL ACCESS RAMP SYSTEM
WITH 38VP VERTICAL PICKET GUARD RAILS

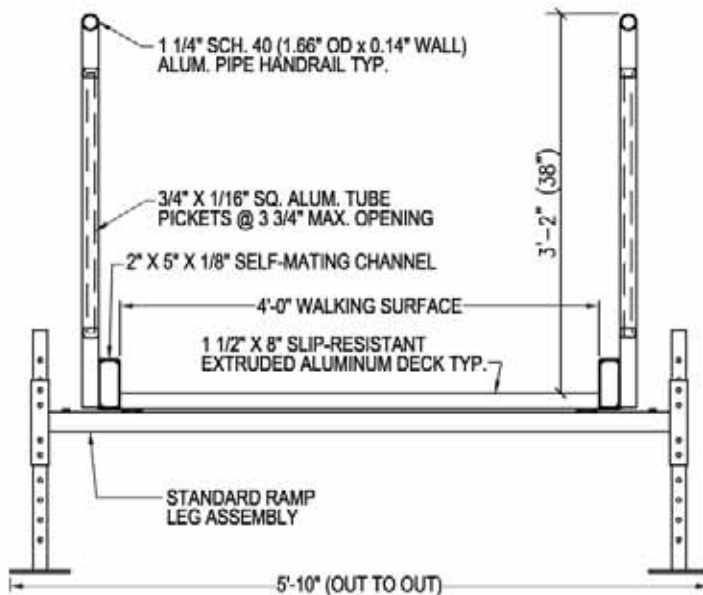
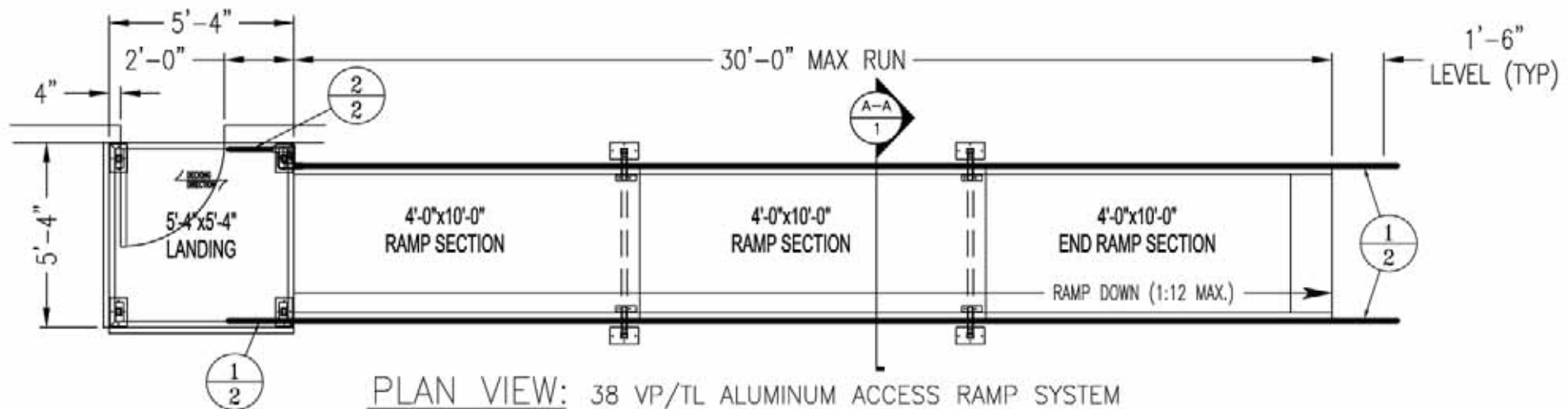
REDD Team Manufacturing,
A Division of Alcoa Extrusions, Inc.
6599 S.R. 21
Koyataro Heights, Florida 32856
Phone: 1(800)948-3868 Fax: 1(800)473-0218

REDD Team

FOR QUOTE
PURPOSES ONLY

UNIVERSAL RAMP SYSTEM
ALUMINUM ACCESS RAMP SYSTEM
WITH 38VP VERTICAL PICKET GUARD RAILS

2004
SALES URS
SALES URS
PLM
SHEET NUMBER
88VP-INT-



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

GENERAL NOTES:

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ALUMINUM ACCESS RAMP SYSTEM
 A Division of Alcoa Extrusions, Inc.
 6599 S.R. 21
 Keyport Heights, Florida 32856
 Phone: 1-800-948-3868 Fax: 1-321-473-0218

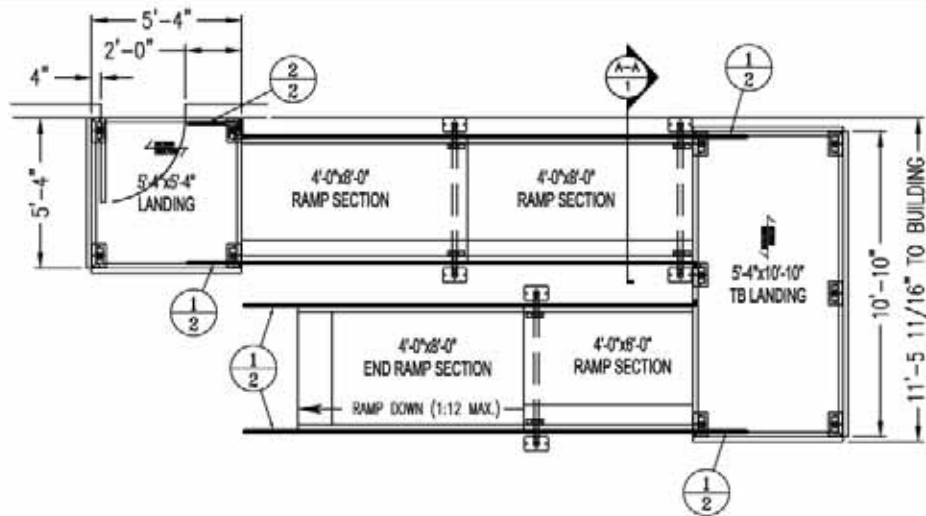
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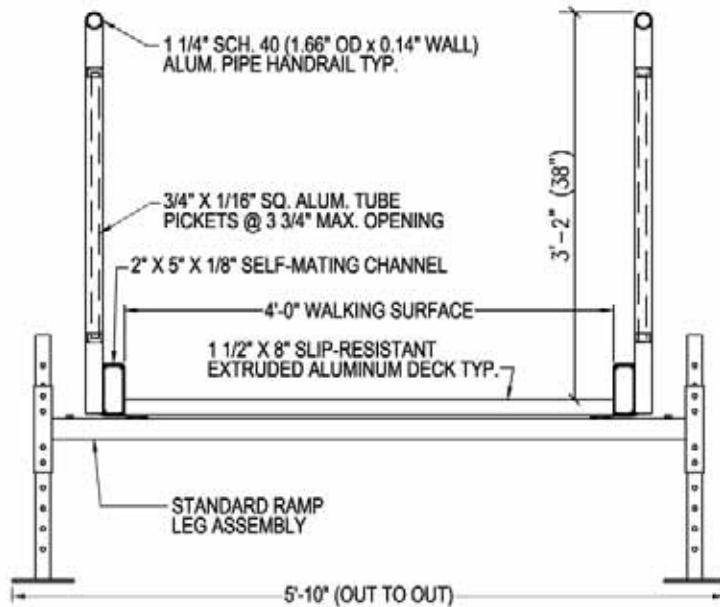
UNIVERSAL RAMP SYSTEM
 ALUMINUM ACCESS RAMP SYSTEM
 WITH 38" VERTICAL PICKET GUARD RAILS

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



PLAN VIEW: 38 VP/TL ALUMINUM ACCESS RAMP SYSTEM

NOTE: TO USE 38 VP or TL, MAX RUN OF ENTIRE RAMP SYSTEM CANNOT EXCEED 30'-0"



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

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ALUMINUM RAMP SYSTEM
UNIVERSAL RAMP SYSTEM
ALUMINUM ACCESS RAMP SYSTEM
WITH 38VP VERTICAL PICKET GUARD RAILS

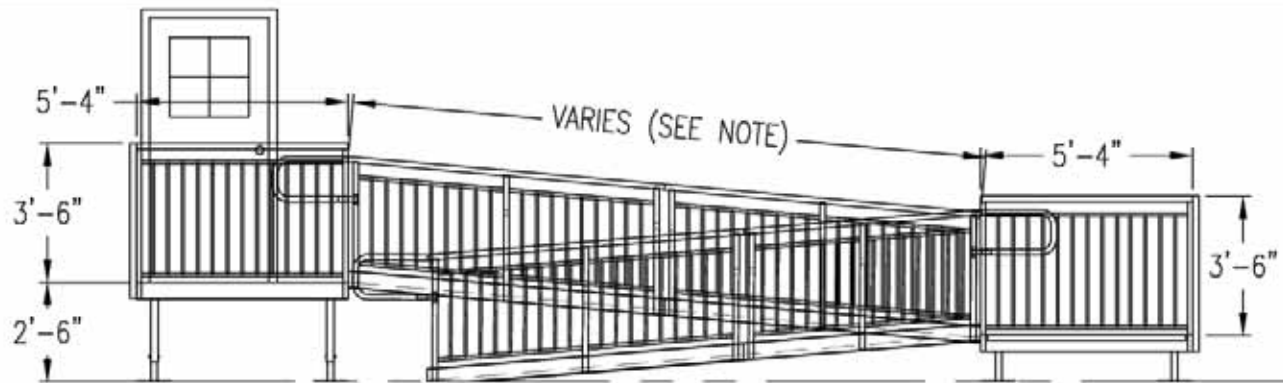
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6599 S.R. 21
Koyotee Heights, Florida 32856
Phone: 1-800-948-3868 Fax: 1-800-948-0218

REDD Team
Manufacturing

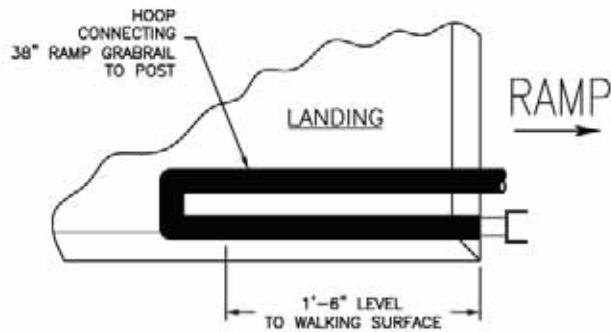
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PURPOSES ONLY

UNIVERSAL RAMP SYSTEM
ALUMINUM ACCESS RAMP SYSTEM
WITH 38VP VERTICAL PICKET GUARD RAILS

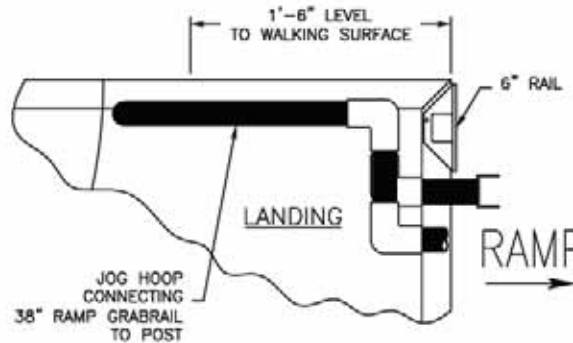
2004
SALES URS
SALES URS
PLM
SHEET NUMBER
38VP-TB-



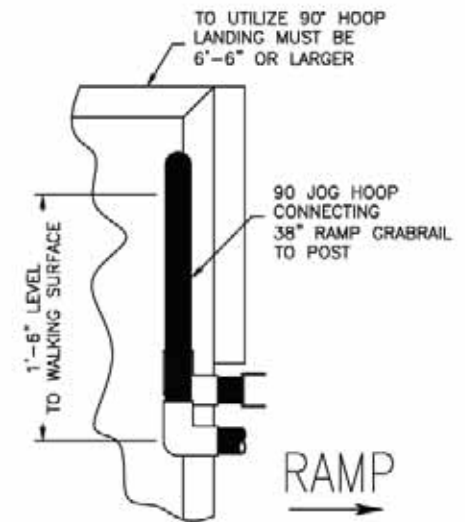
ELEV VIEW: 38 VP/TL ALUMINUM ACCESS RAMP SYSTEM
 NOTE: TO USE 38 VP/TL, MAX RUN OF RAMP SYSTEM=30'-0"



1 UPPER/LOWER HOOP DETAIL
 2 38VP RAMP HANDRAIL



2 UPPER JOG HOOP DETAIL
 2 38VP RAMP HANDRAIL



3 UPPER 90° HOOP DETAIL
 2 38VP RAMP HANDRAIL (OPTIONAL)

ALUMINUM RAMP SYSTEM
 UNIVERSAL ACCESS RAMP SYSTEM
 WITH 38VP VERTICAL POCKET GUARD RAILS

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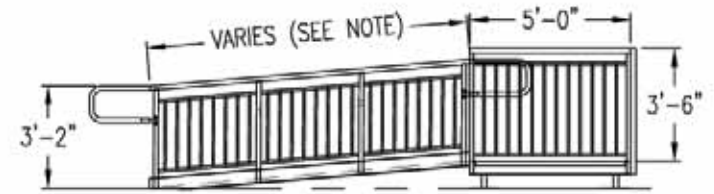
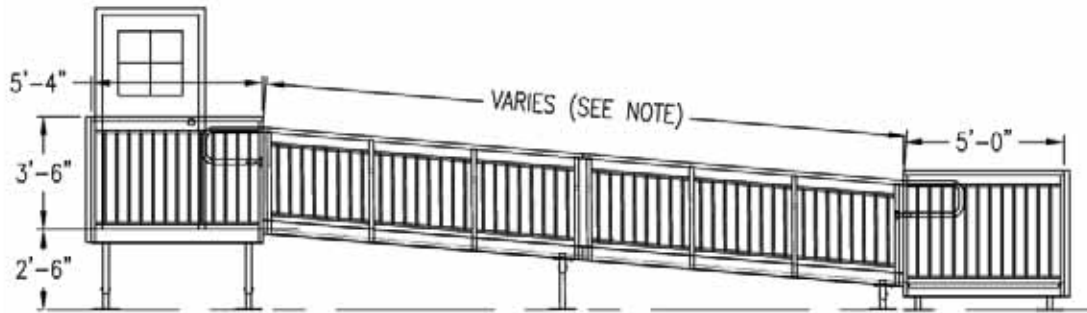


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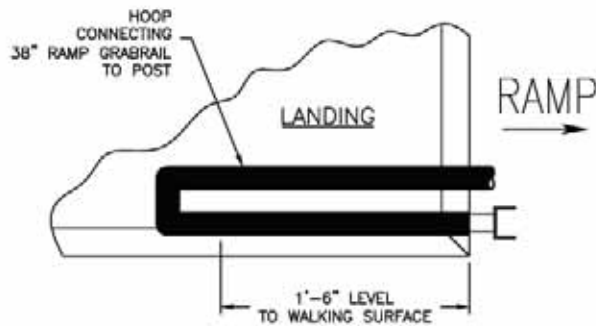
UNIVERSAL RAMP SYSTEM
 ALUMINUM ACCESS RAMP SYSTEM
 WITH 38VP VERTICAL POCKET GUARD RAILS

2004
 SALES URS
 SALES URS
 PLM

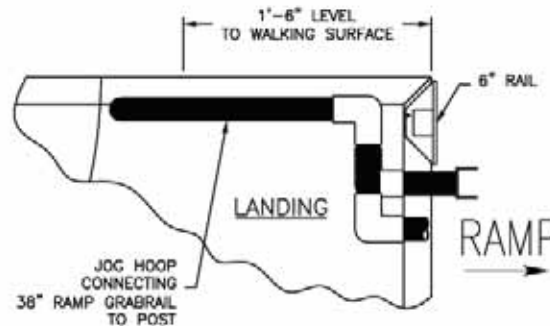
SHEET NUMBER
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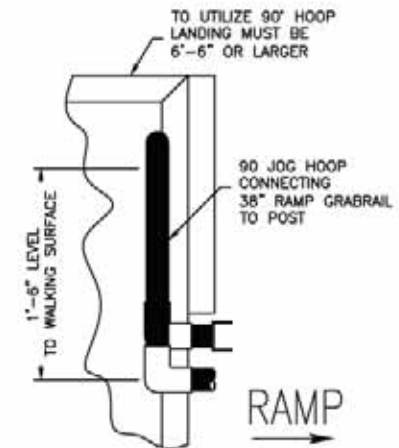
ELEV VIEW: 38 VP/TL ALUMINUM ACCESS RAMP SYSTEM
 NOTE: TO USE 38 VP/TL, MAX RUN OF RAMP SYSTEM=30'-0"



1 UPPER/LOWER HOOP DETAIL
 2 38VP RAMP HANDRAIL



2 UPPER JOG HOOP DETAIL
 2 38VP RAMP HANDRAIL



3 UPPER 90° HOOP DETAIL
 2 38VP RAMP HANDRAIL (OPTIONAL)

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UNIVERSAL RAMP SYSTEM
 ALUMINUM ACCESS RAMP SYSTEM
 WITH 38VP VERTICAL POCKET CLAMP UNITS

DATE: 2004
 SALES URS
 SALES URS
 FILE # PLM
 SHEET NUMBER 38VP-90-2