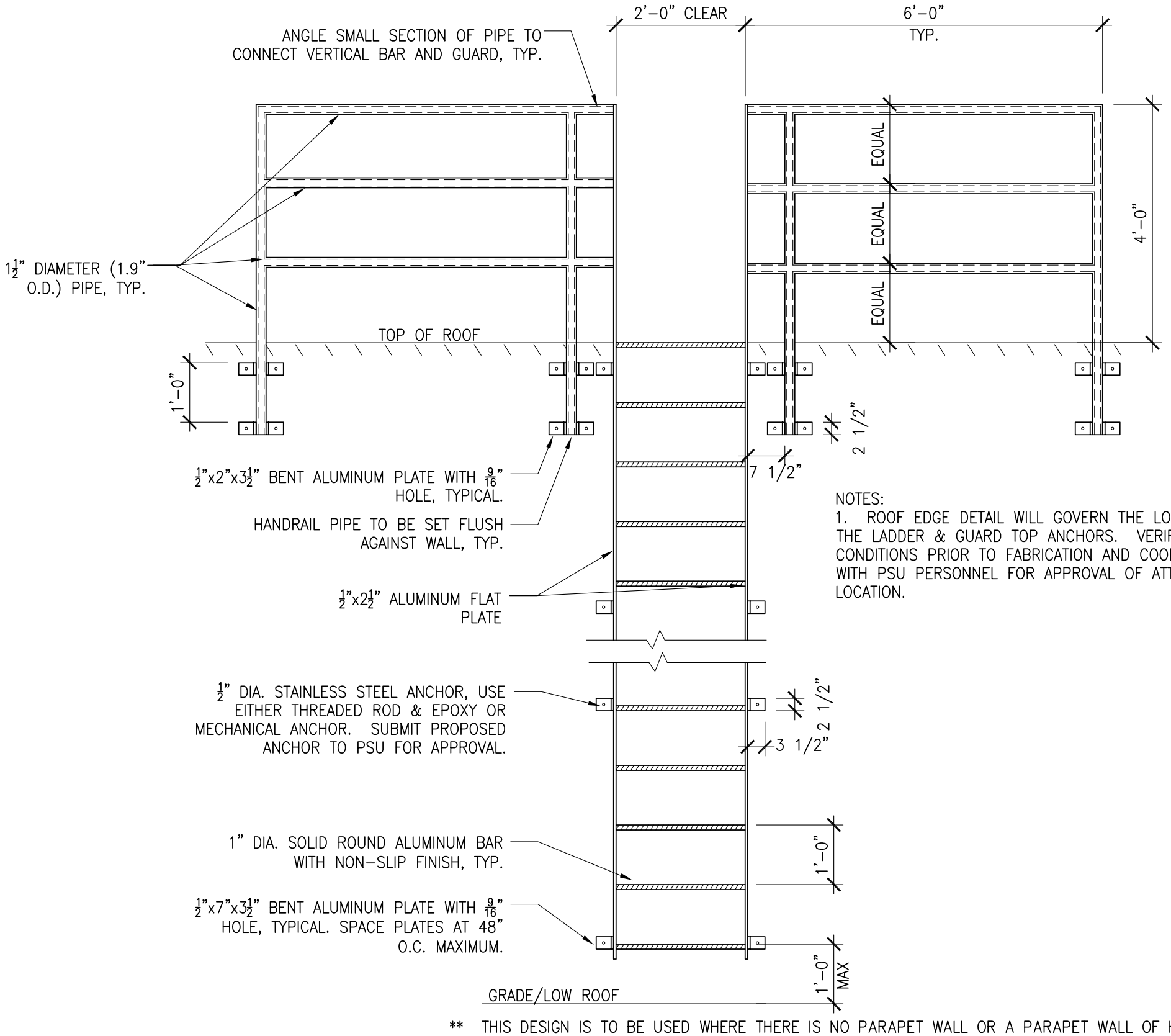
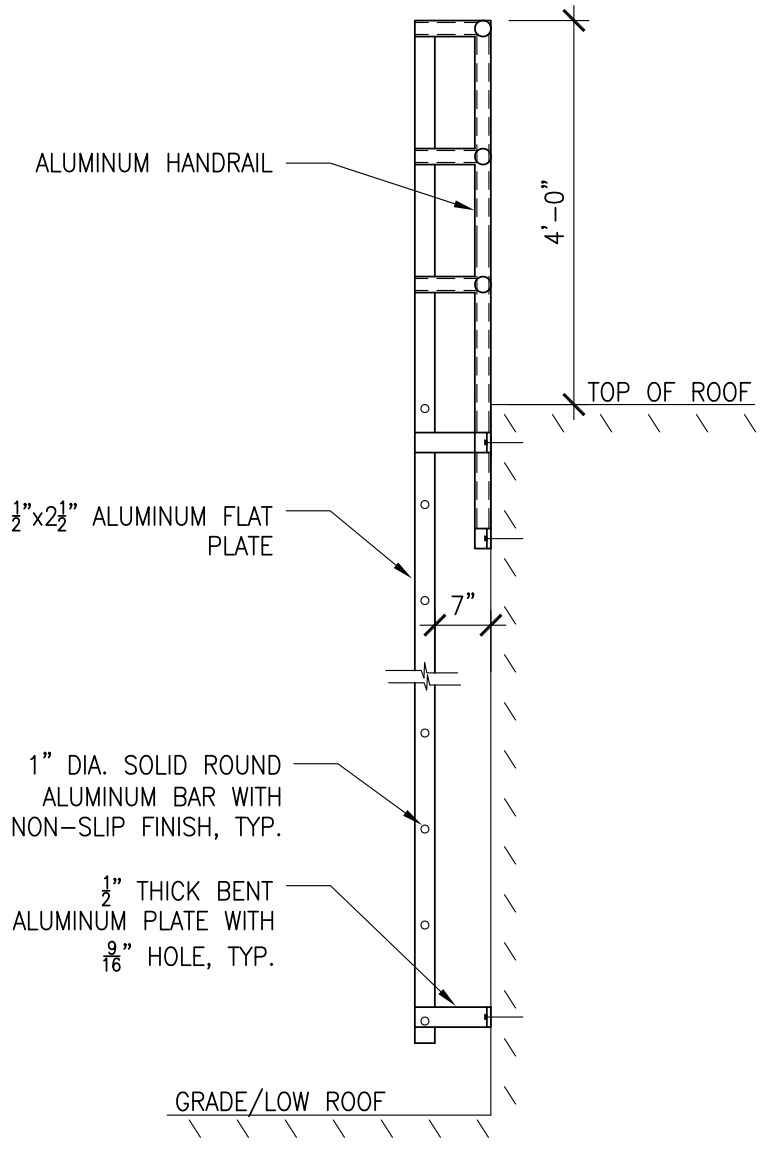


NOTES:
1. ROOF EDGE DETAIL WILL GOVERN THE LOCATION OF THE LADDER & GUARD TOP ANCHORS. VERIFY FIELD CONDITIONS PRIOR TO FABRICATION AND COORDINATE WITH PSU PERSONNEL FOR APPROVAL OF ATTACHMENT LOCATION.

NOTES-SPECIFICATIONS:

1. ALUMINUM

A. EXTRUDED BARS AND TUBING: ASTM B221, ALLOY 6063-T5.
B. PLATE AND SHEET: ASTM B209, ALLOY 6061-T6.
C. FINISH: MECHANICAL FINISH, AA-M12.



** THIS DESIGN IS TO BE USED WHERE THERE IS NO PARAPET WALL OR A PARAPET WALL OF HEIGHT 12" OR LESS **

** IF THE HEIGHT FROM THE LOW ROOF TO THE TOP OF THE HIGH ROOF/PARAPET WALL IS 20'-0" OR GREATER, A SAFETY CAGE MUST BE INSTALLED AS SHOWN ON SHEET S3 **

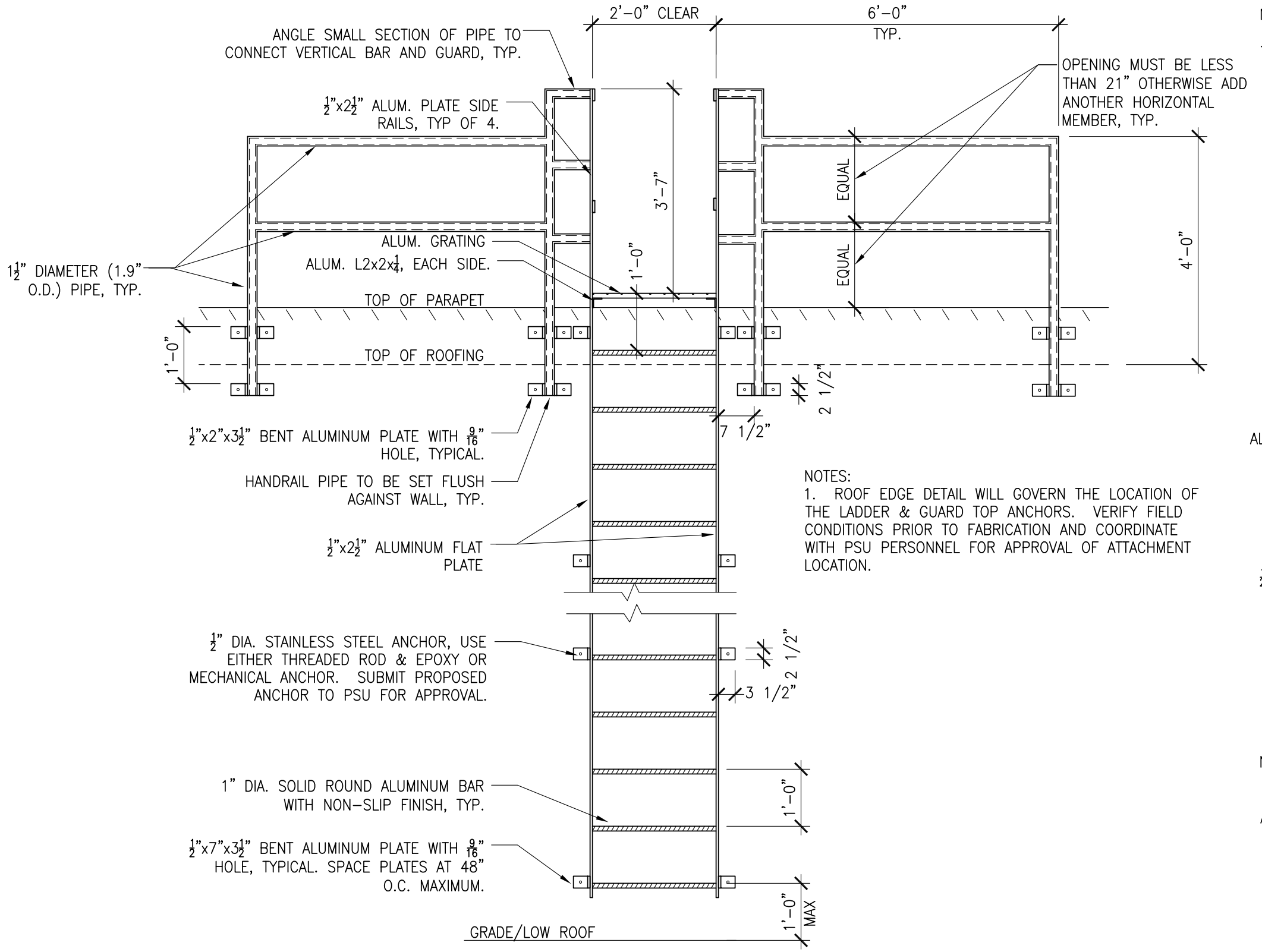
REFERENCE	BUILDING	DESIGNED BY	SHEET
CASE	DRAWER	SECT.	NO.

DESIGN SERVICES
PENN STATE UNIVERSITY
DO NOT SCALE DRAWINGS. CHECK AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS ON SITE.

SYM	DATE	DESCRIPTION
		TYPICAL FIXED LADDER
		DESIGN #1 - NO PARAPET

SCALE: AS NOTED
DATE: 9-7-16

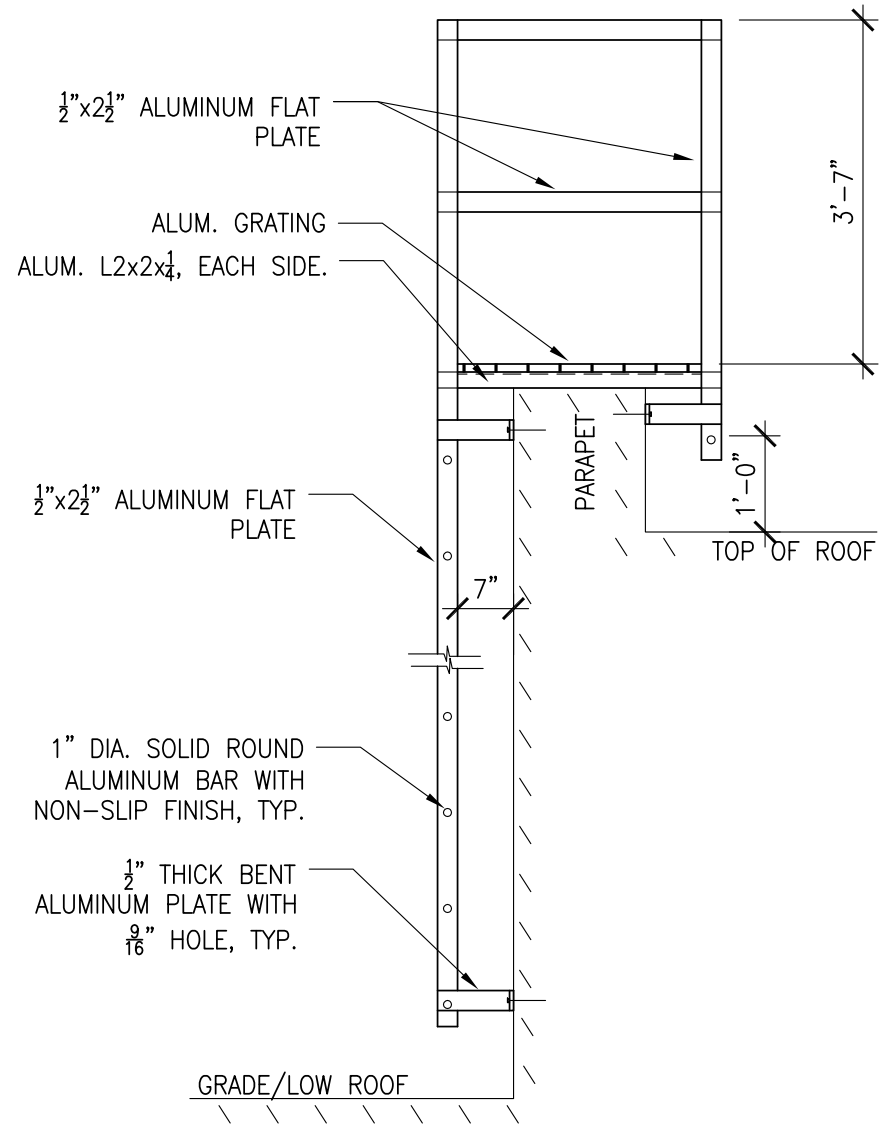
S1



NOTES:
1. ROOF EDGE DETAIL WILL GOVERN THE LOCATION OF THE LADDER & GUARD TOP ANCHORS. VERIFY FIELD CONDITIONS PRIOR TO FABRICATION AND COORDINATE WITH PSU PERSONNEL FOR APPROVAL OF ATTACHMENT LOCATION.

NOTES-SPECIFICATIONS:

1. ALUMINUM
   - A. EXTRUDED BARS AND TUBING: ASTM B221, ALLOY 6063-T5.
   - B. PLATE AND SHEET: ASTM B209, ALLOY 6061-T6.
   - C. FINISH: MECHANICAL FINISH, AA-M12.
   - D. GRATING: 1"x3/16" ALUMINUM RECTANGULAR BAR GRATING 19-SG-2 WITH SERRATED SURFACE.



** THIS DESIGN IS TO BE USED WHERE THERE IS PARAPET WALL OF HEIGHT GREATER THAN 12" **

** IF THE HEIGHT FROM THE LOW ROOF TO THE TOP OF THE HIGH ROOF/PARAPET WALL IS 20'-0" OR GREATER, A SAFETY CAGE MUST BE INSTALLED AS SHOWN ON SHEET S3 **

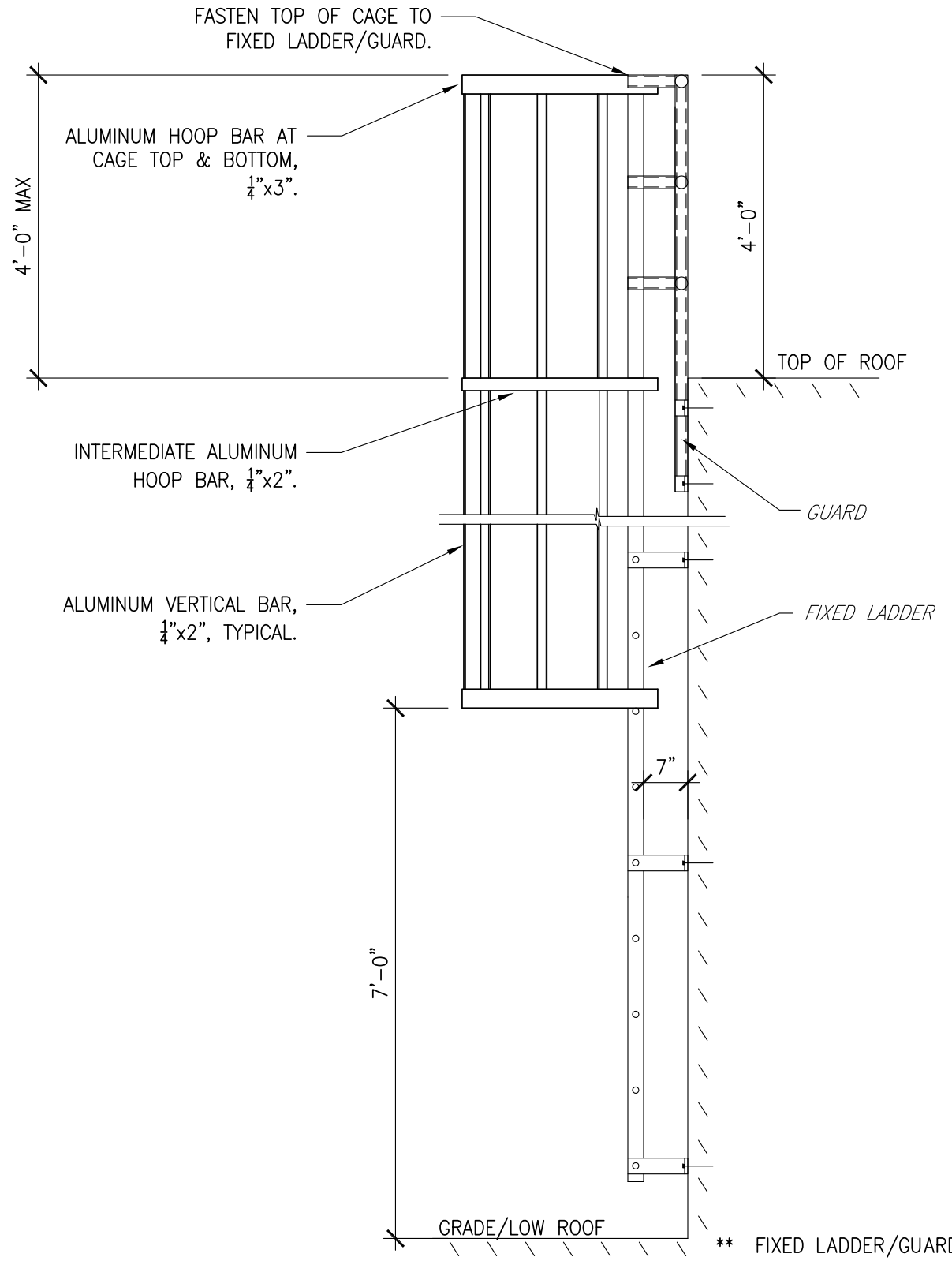
REFERENCE	BUILDING	DESIGNED BY	SHEET
CASE	DRAWER	SECT.	NO.

DESIGN SERVICES
PENN STATE UNIVERSITY
DO NOT SCALE DRAWINGS. CHECK AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS ON SITE.

SYM	DATE	DESCRIPTION
		TYPICAL FIXED LADDER
		DESIGN #2 - PARAPET

SCALE: AS NOTED | DATE: 9-7-16

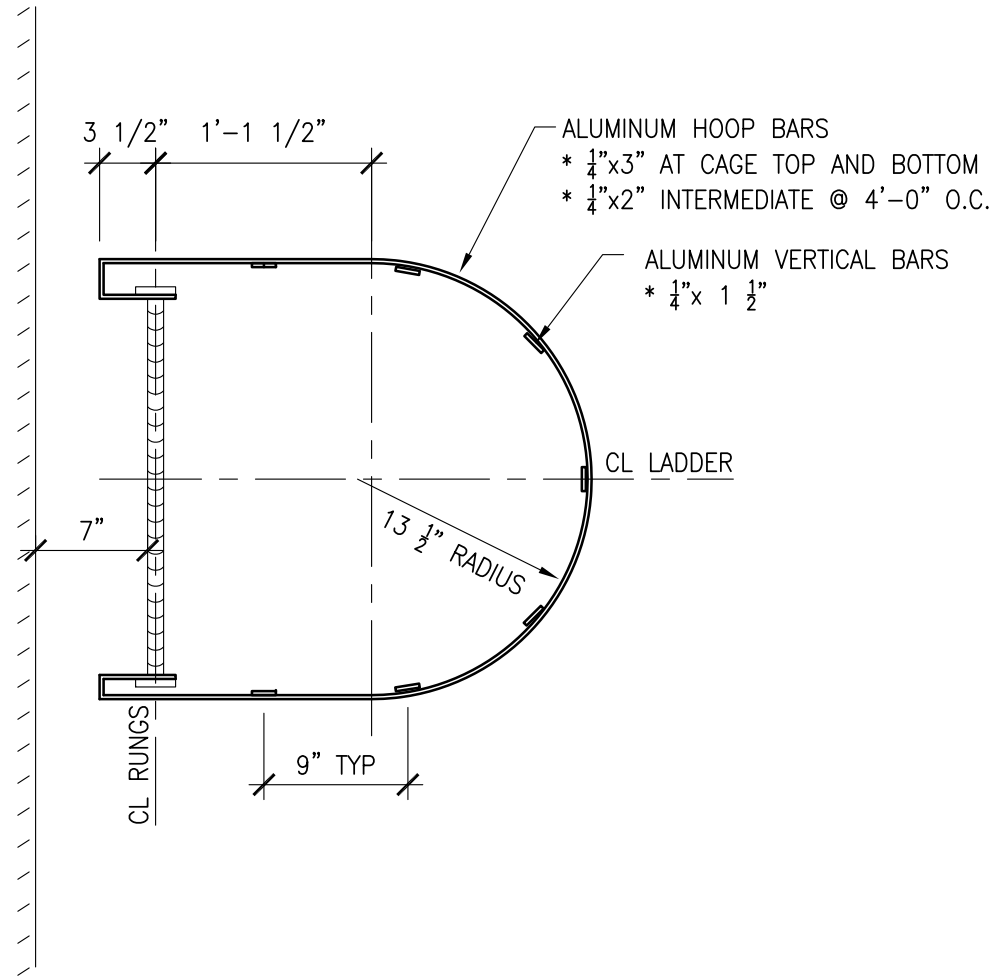
S2



NOTES–SPECIFICATIONS:

1. ALUMINUM

   A. EXTRUDED BARS AND TUBING: ASTM B221, ALLOY 6063–T5.
   B. PLATE AND SHEET: ASTM B209, ALLOY 6061–T6.
   C. FINISH: MECHANICAL FINISH, AA–M12.



** FIXED LADDER/GUARD SPECIFICATIONS NOT SHOWN ON THIS SHEET FOR CLARITY. REFER TO SHEETS S1 AND S2 FOR SPECIFIC LADDER/GUARD CRITERIA **

** IF THE HEIGHT FROM THE LOW ROOF TO THE TOP OF THE HIGH ROOF/PARAPET WALL IS 20'–0" OR GREATER, A SAFETY CAGE MUST BE INSTALLED **

REFERENCE	BUILDING	DESIGNED BY	SHEET
CASE	DRAWER	SECT.	NO.

DESIGN SERVICES
PENN STATE UNIVERSITY
DO NOT SCALE DRAWINGS. CHECK AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS ON SITE.

SYM	DATE	DESCRIPTION
		TYPICAL LADDER CAGE

SCALE: AS NOTED | DATE: 9–7–16

S3