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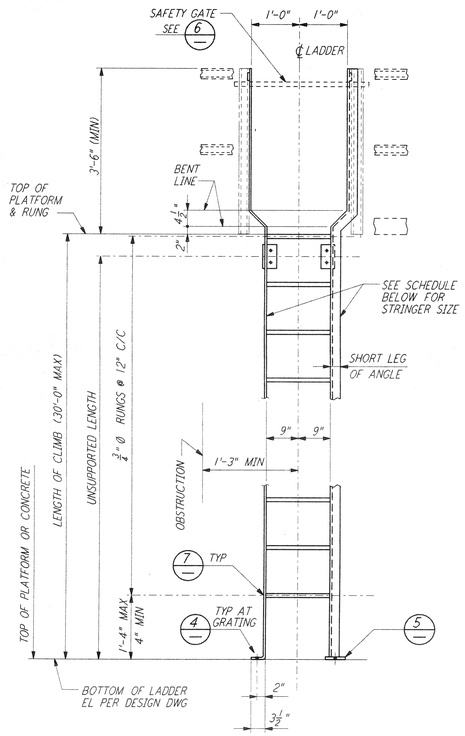
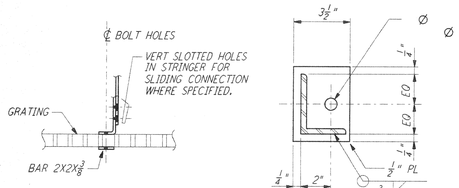


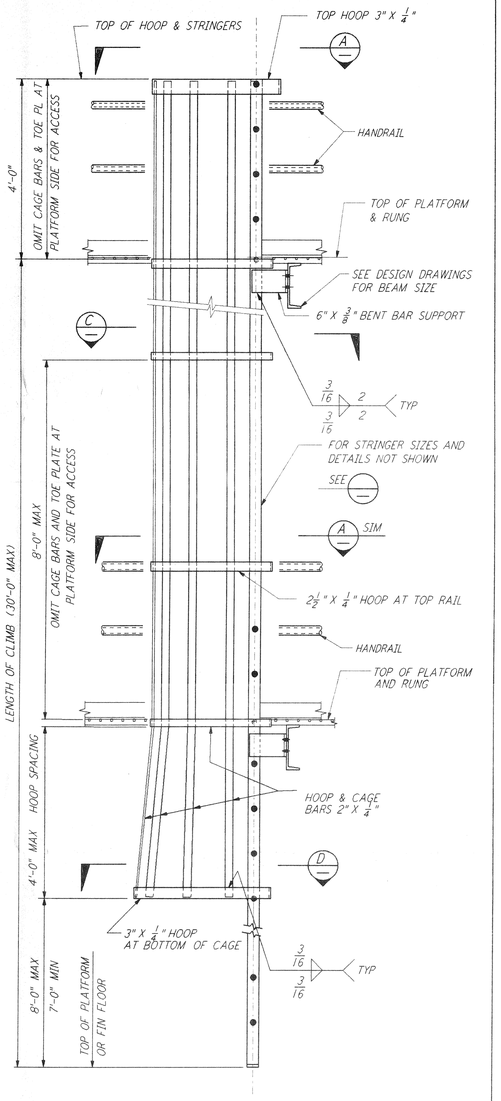
TYPICAL LADDER (1)

UNSUPPORTED LENGTH	STRINGER SIZE
8'-0" OR LESS	BAR 2½ X ⅜
OVER 8'-0" TO 18'-0"	L 2½ X 2 X ⅜
OVER 18'-0" TO 24'-0"	L 3 X 2 X ⅜
OVER 24'-0" TO 30'-0"	L 4 X 3 X ⅜

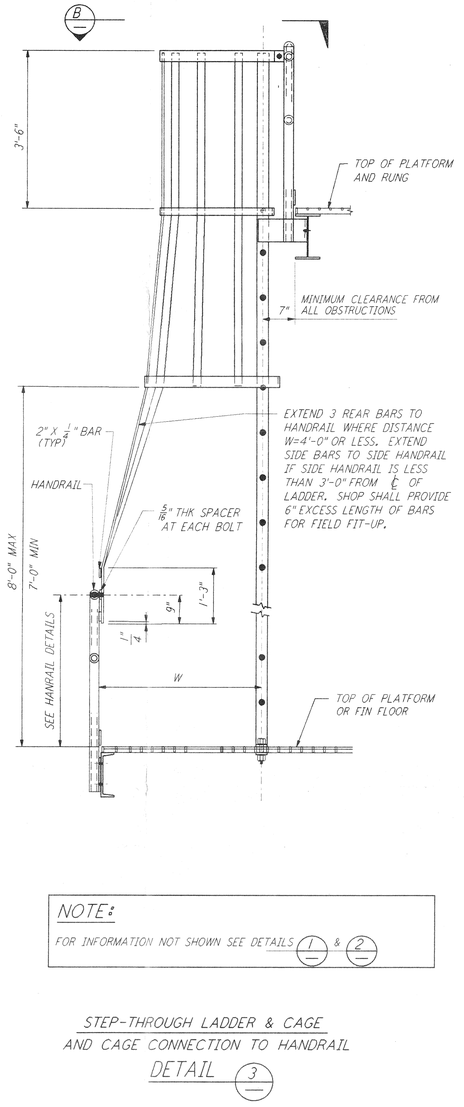


DETAIL (4)

DETAIL (5)



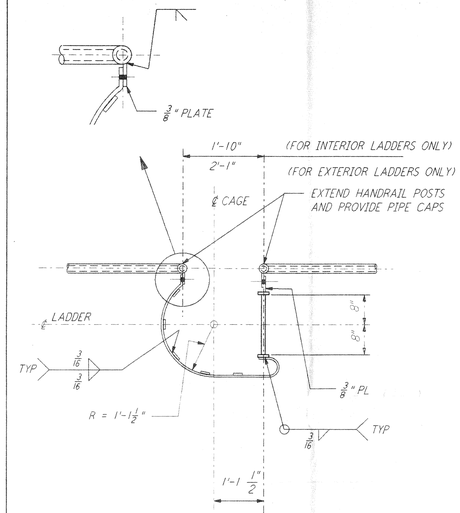
SIDE-STEP LADDER AND CAGE (2)



NOTE:
FOR INFORMATION NOT SHOWN SEE DETAILS (1) & (2)

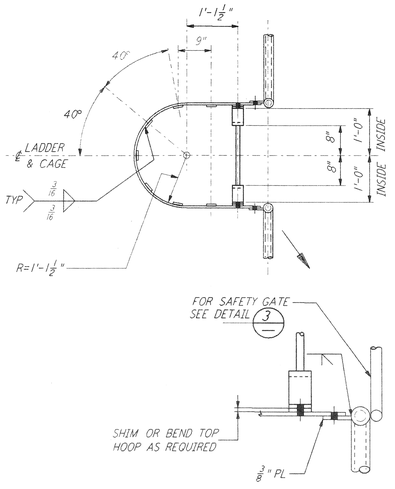
STEP-THROUGH LADDER & CAGE AND CAGE CONNECTION TO HANDRAIL

DETAIL (3)



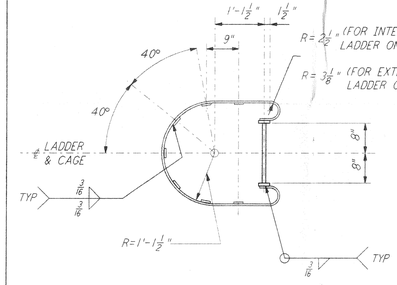
SIDE-STEP LADDER AND CAGE PLAN

SECTION (A)



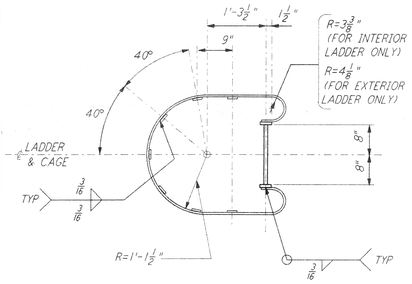
STEP-THROUGH LADDER AND CAGE PLAN

SECTION (B)



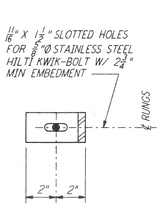
TYPICAL HOOP PLAN

SECTION (C)



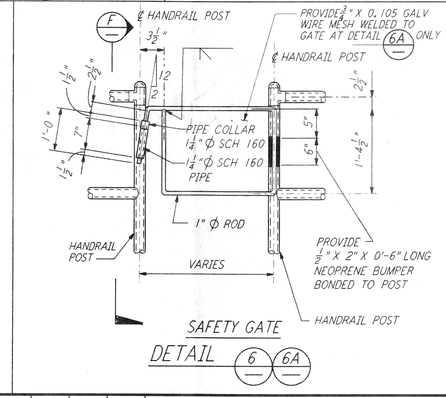
BOTTOM HOOP PLAN

SECTION (D)



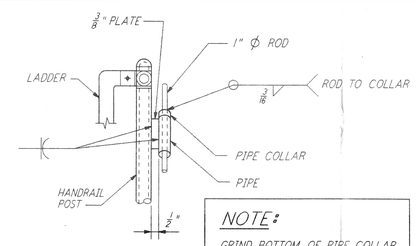
PLAN AT BAR STRINGER LADDER BASE AT CONCRETE FLOOR

SECTION (E)



SAFETY GATE

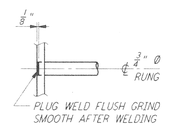
DETAIL (6) (6A)



NOTE:
GRIND BOTTOM OF PIPE COLLAR AND TOP OF PIPE TO PROVIDE SMOOTH CONTACT. GREASE COLLAR IN FIELD.

SAFETY GATE HINGE

SECTION (F)



DETAIL (7)

NOTES:

1. FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS SEE DRAWING S-001.
2. ALL BURRS AND SHARP EDGES SHALL BE REMOVED FROM THE LADDERS, CAGES AND SAFETY BARS.
3. ALL INTERMEDIATE CAGE HOOPS SHALL BE SPACED EQUALLY AND SHALL NOT EXCEED 4 FEET. IF CAGE LENGTH EXCEEDS 20 FEET, LADDER MUST BE EQUIPPED WITH A 3" HOOP PREFERABLY AT THE MIDWAY POINT OF THE CAGE.
4. LADDERS SERVING PLATFORMS OR LANDINGS 4 FEET OR MORE ABOVE GRADE AND ALL PLATFORMS REQUIRING A RAILING SHALL BE EQUIPPED WITH A SAFETY GATE.

REFERENCES

DRAWING NO.	DESCRIPTION

REVISIONS

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
0	7/5/96					ISSUED FOR CONSTRUCTION

DRAWN	MCS	6-24-96
CHECKED	gbm	7-2-96
ENGINEER	TH	6-28-96
PROJ		7/5/96

STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER — 11793 — 6/28/96
EXPIRES: 10-24-96

PARSONS
100 WEST WALNUT STREET
PASADENA, CALIFORNIA

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CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER GRAVITATIONAL-WAVE OBSERVATORY
SITE NO. 1 - HANFORD, WASHINGTON

TITLE: STRUCTURAL STANDARD STRUCTURAL STEEL LADDER DETAILS

SCALE	CONTRACT NUMBER	PROJECT NUMBER
NONE	PP150969	8094

SHEET NUMBER: WA-S-008
REVISIONS: 0

LIGO-D960293-00-O

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