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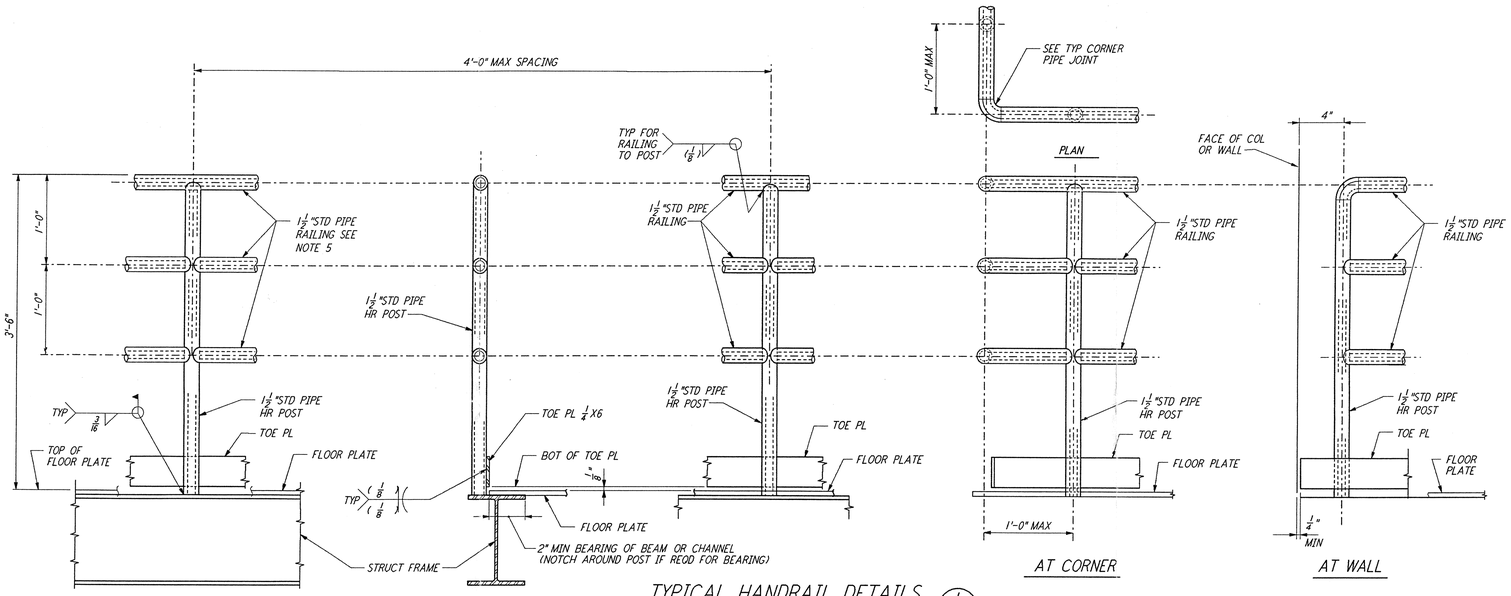
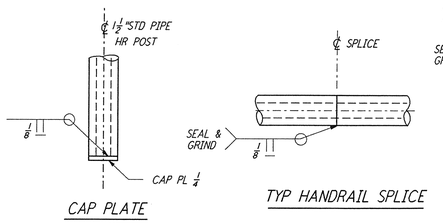


AT CORNER

AT WALL

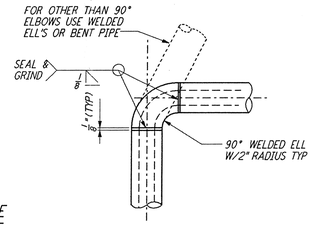
TYPICAL HANDRAIL DETAILS (1)



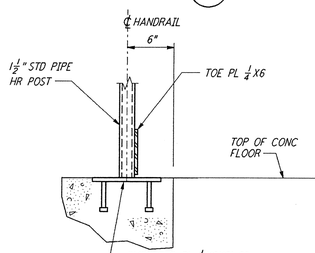
CAP PLATE

TYP HANDRAIL SPLICE

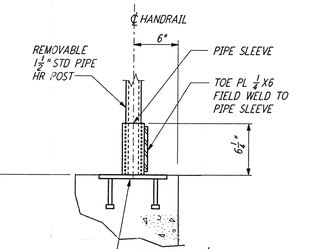
DETAIL (2)



TYP CORNER PIPE JOINT

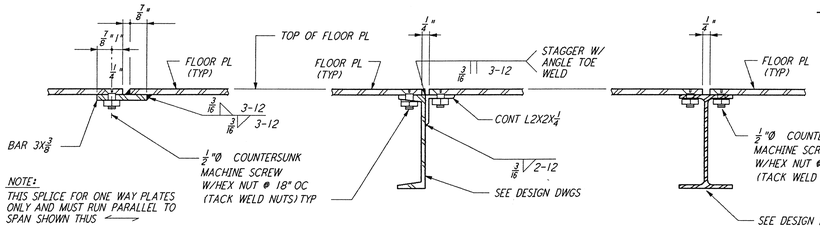


HANDRAIL ON CONCRETE SLAB

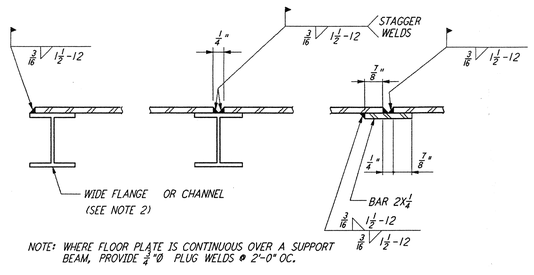


REMOVABLE HANDRAIL ON CONCRETE SLAB

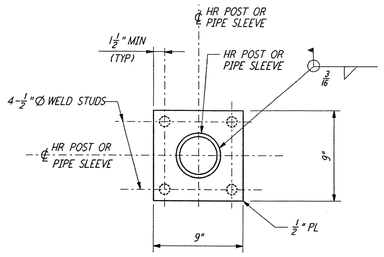
DETAIL (3)



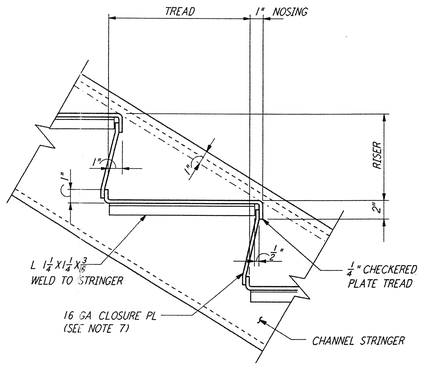
TYP SPLICE CONN AT REMOVABLE FLOOR OR CHECKERED PLATE (5)



TYP FIXED FLOOR OR CHECKERED PLATE (6)



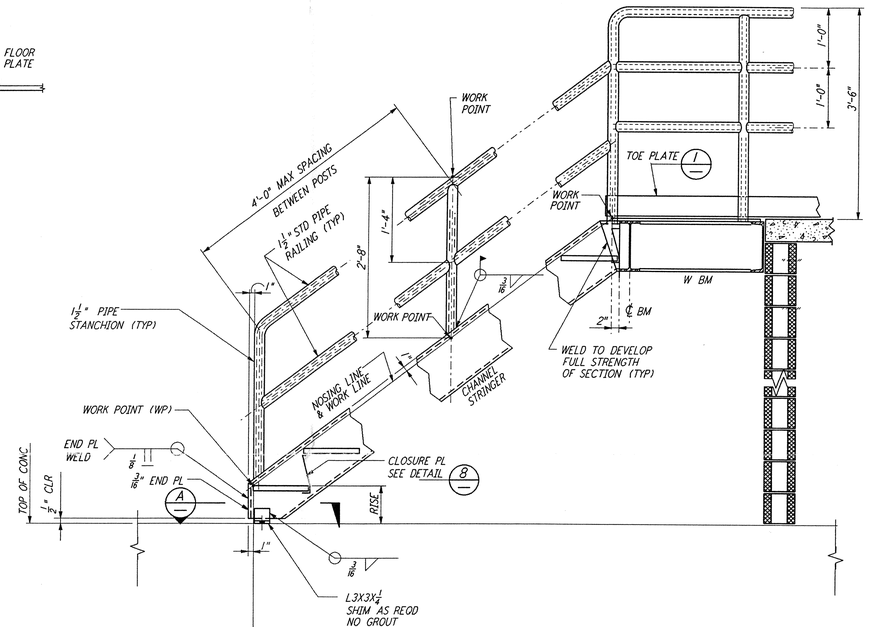
EMBEDDED PLATE DETAIL (7)



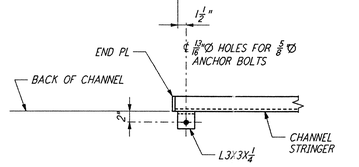
CHECKERED PLATE TREAD DETAIL (8)

NOTES:

1. FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND SEE DRAWING WA-S-001.
2. SEE DESIGN DRAWINGS FOR STRUCTURAL MEMBER SIZE AND DIMENSIONS.
3. ALL EXPOSED SHARP EDGES AND CORNERS SHALL BE GROUND SMOOTH.
4. GALVANIZED MEMBER TO BE FIELD WELDED SHALL BE LEFT UNGALVANIZE A DISTANCE OF ONE INCH FROM AREA OF WELDING. THESE AREAS SHALL BE PAINTED WITH GALVANIZE COATING AFTER WELDING.
5. SHOP-WELDED HANDRAIL SECTIONS SHALL NOT EXCEED 20'-0" IN LENGTH.
6. ALL MISCELLANEOUS STEEL SHOWN ON THIS DRAWING SHALL BE GALVANIZED UNLESS OTHERWISE NOTED ON DESIGN DRAWINGS.
7. PROVIDE CLOSURE PL BETWEEN STAIR TREADS.



TYPICAL STAIR DETAILS (4)



SECTION (A)

Date Received: 4/19/96	LIGO- Contractor # D960294-B-D WA-S-009 REV.B
T/M # 28	LIGO- C960857-00-V
Date: 4/19/96	Approved:
TDM #	LIGO-
Date: / /	Approved:
Gen'l Transmittal	LIGO-
Date: / /	Approved:

REFERENCES		REVISIONS							
		B	4-19-96	MCS	DDM	1/8"	TDM		FINAL DESIGN REVIEW & BID
		A	10-31-95				TDM		PRELIMINARY DESIGN REVIEW
DRAWING NO.	DESCRIPTION	NO.	DATE	BY	CHKD	ENGR	PROJ		DESCRIPTION

DRAWN	MCS
CHECKED	
ENGINEER	
PROJ	

PARSONS
100 WEST WALNUT STREET
PASADENA, CALIFORNIA

LIGO
CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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

TITLE: STRUCTURAL STANDARD STRUCTURAL STEEL STAIR & HANDRAIL DETAILS

SCALE	CONTRACT NUMBER	PROJECT NUMBER
NONE	PP150969	8094

SHEET NUMBER: WA-S-009 REVISIONS: B

LIGO-D960294-B-D

LIGOWAF.BDR

Apr 19 12:20:52 1996 /ligo/site1/st/was009.dgz