CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.

light gray
dark gray
black

STEEL - SPECIAL INSPECTIONS

SYSTEM OR MATERIAL	OSSC CODE REFERENCE	CODE OR STANDARD REFERENCE	INSPECTION (NOTES 5 AND 6)		REMARKS
			CONTINUOUS/ PERFORM	PERIODIC/ OBSERVE	
CONTRACTOR QUALITY CONTROL REQUIREMENTS		AISC 360 CHAPTER N	X	X	CONTRACTOR TO PROVIDE QUALITY CONTROL FOR ALL ITEMS INDICATED TO BE OBSERVED AND/OR PERFORMED IN TABLE BELOW
STEEL FABRICATION					
FABRICATION OF STRUCTURAL ELEMENTS	1704.2.5.1	AISC 360		X	REFER TO INSPECTION OF FABRICATOR REQUIREMENTS
MATERIAL VERIFICATION OF STRUCTURAL STEEL COMPONENTS	1705.2.1 TABLE 1705.2-3	ASTM A6 ASTM STANDARDS SPECIFIED IN CONSTRUCTIO N DOCUMENTS AISC 360 A3.1 AISC 360 N2.1 AISC 360 N3.2		X	CERTIFIED MILL TEST REPORTS IDENTIFICATION MARKINGS TO CONFORM TO AISC 360 AND ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS
MATERIAL VERIFICATION OF HIGH STRENGTH BOLTS, NUTS, AND WASHERS	1705.2.1.1 1705.2.1.2 AISC 360 N5 TABLE 1705.2-1 TABLE 1705.2-2	AISC 360 A3.3 AISC 360 N3.2 ASTM STANDARDS SPECIFIED IN CONSTRUCTIO N DOCUMENTS RCSC 2.1		X	MANUFACTURER'S CERTIFIED TEST REPORTS IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS AND SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS MANUFACTURER'S CERTIFICATE OF COMPLIANCE
MATERIAL VERIFICATION OF ANCHOR BOLTS AND THREADED RODS		AISC 360 A3.4 AISC 360 N3.2 ASTM STANDARDS SPECIFIED IN CONSTRUCTIO N DOCUMENTS		X	MANUFACTURER'S CERTIFIED TEST REPORTS
MATERIAL VERIFICATION OF WELD FILLER METALS	1705.2.1.1 TABLE 1705.2-5	AISC 360 A3.5 AISC 360 N3.2 APPLICABLE AWS A5 DOCUMENTS		X	MANUFACTURER'S CERTIFICATE OF COMPLIANCE IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS
STRUCTURAL STEEL WELDING					
VERIFYING USE OF PROPER WPS'S	1705.2.1 AWS D1.1	AISC 360 N3.2			RETAIN A RECORD OF WELDING PROCEDURE SPECIFICATIONS
VERIFYING WELDER QUALIFICATIONS		AWS D1.1		X	RETAIN A RECORD OF QUALIFICATION CARDS
COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS	TABLE 1705.2-6	AWS D1.1 CLAUSE 8	X		ALL WELDS VISUALLY INSPECTED PER AWS D1.1 6.10.1
MULTIPASS FILLET WELDS			X		
SINGLE PASS FILLET WELDS GREATER THAN 5/16"			X		
PLUG AND SLOT WELDS			X		
SINGLE PASS FILLET WELDS LESS THAN OR EQUAL TO 5/16"				X	

CONCRETE - TESTING

SYSTEM OR MATERIAL	OSSC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6)	REMARKS
CONCRETE STRENGTH	1705.3 ASTM C172 ASTM C 31 ACI 318 26.12 ACI 318 26.5	ASTM C39	EACH 150 CY NOR LESS THAN EACH 5000 SF OF SLAB OR WALL PLACED EACH SHIFT	FABRICATE SPECIMENS AT TIME FRESH CONCRETE IS PLACED
CONCRETE SLUMP		ASTM C143		
CONCRETE AIR CONTENT		ASTM C231		
CONCRETE TEMPERATURE		ASTM C1064		

DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".
GRAPHIC SCALE-FOR REFERENCE ONLY
0 1/4" 1/2" 1" 2"

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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DESIGN NUMBER

PROJECT NUMBER

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 19608 DIGITALLY SIGNED OREGON NOV. 14, 2006 CRAIG J. TOTTEN
EXPIRES 06-30-26

PORTLAND INTERNATIONAL AIRPORT

TERMINAL UPPER ROADWAY JOINT REPLACEMENT

SPECIAL INSPECTIONS - 2

SUBMITTED BY	JAY OSTLUND	
DESIGN BY	S. THOMAS	
DRAWN BY	J. DE BOER	
CHECKED BY	C. TOTTEN	
DATE	OCTOBER 2026	
SHEET NO.	18	TYPE:
DRAWING NO.	PDX 2026-514	DISC. SHT. NO. S0.005