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.

LIST OF ABBREVIATIONS

(A)	ABOVE
A.B.	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
ADD'L.	ADDITIONAL
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION INCORPORATED
ALT.	ALTERNATE
ALUM.	ALUMINUM
ARCH.	ARCHITECT
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
(B)	BELOW
BLDG.	BUILDING
B.O.C.	BOTTOM OF CONCRETE
BOT.	BOTTOM
C.G.	CENTER OF GRAVITY
C.I.P.	CAST IN PLACE
C.J.	CONTROL JOINT
C.J.P.	COMPLETE JOINT PENETRATION
CL	CENTERLINE
CLR.	CLEAR
CMU	CONCRETE MASONRY UNIT
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
CS	COUNTERSUNK
db	BAR DIAMETER
DBA	DEFORMED BAR ANCHOR
DET.	DETAIL
DIA.	DIAMETER
DIAG.	DIAGONAL
D.L.	DEAD LOAD
DWG.	DRAWING
D.T.I.	DIRECT TENSION INDICATING WASHER
(E)	EXISTING
EA	EACH
ELEC.	ELECTRICAL
EL.	ELEVATION
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXIST., (E)	EXISTING
EXP.	EXPANSION
EXT.	EXTERIOR
(F)	FUTURE
FDN.	FOUNDATION
FIN.	FINISH
FLR.	FLOOR
FT.	FOOT
FTG.	FOOTING
GA.	GAUGE
GALV.	GALVANIZED
GR.	GRADE
GSN	GENERAL STRUCTURAL NOTES
HD	HOLDOWN
HORIZ.	HORIZONTAL
HSS	HOLLOW STRUCTURAL STEEL
IBC	INTERNATIONAL BUILDING CODE
ICBO	INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS
I.D.	INSIDE DIAMETER
IN.	INCH
INT.	INTERIOR
K	KIPS
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
LB.	POUND
L.L.	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC.	LOCATION
LONG.	LONGITUDINAL
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
LVF	LOW VELOCITY FASTENER
MAX.	MAXIMUM
MBMA	METAL BUILDING MANUFACTURERS ASSOCIATION
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MT	MAGNETIC PARTICLE TESTING
N.I.C.	NOT IN CONTRACT
NOM.	NOMINAL
NO.	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OPP.	OPPOSITE
OWJ	OPEN WEB JOIST
PAF	POWDER ACTUATED FASTENER
PCF	POUNDS PER CUBIC FOOT
PERIM.	PERIMETER
PL	PLATE
P.J.P.	PARTIAL JOINT PENETRATION
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
P/T	POST-TENSIONED
PVC	POLYVINYL CHLORIDE
R, RAD.	RADIUS
RCSC	RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS
RET.	RETURN
REINF.	REINFORCING
REQ'D.	REQUIRED
REQ'MTS.	REQUIREMENTS
RO	ROUGH OPENING
SCHED.	SCHEDULE
S.C.	SLIP CRITICAL
SEOR	STRUCTURAL ENGINEER OF RECORD
SIM.	SIMILAR
SFRS	SEISMIC FORCE RESISTING SYSTEM
S.O.G.	SLAB ON GRADE
SOMD	SLAB ON METAL DECK
SPEC.	SPECIFICATION
SQ.	SQUARE
SS	STAINLESS STEEL
SSMA	STEEL STUD MANUFACTURERS ASSOCIATION
STD.	STANDARD
STIFF.	STIFFENER
STRUCT.	STRUCTURAL
SYM.	SYMMETRICAL
TRANS.	TRANSVERSE
TS	LIGHT GAUGE TUBE STEEL
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
U.T.	ULTRASONIC TESTING
VERT.	VERTICAL
V.I.F.	VERIFY IN FIELD
W/	WITH
WF	WIDE FLANGE
W/O	WITHOUT
W.P.	WORK POINT
WPS	WELDING PROCEDURE SPECIFICATION
WT	WEIGHT
WWF	WELDED WIRE FABRIC

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

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

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2025D018
DESIGN NUMBER

102970
PROJECT NUMBER

STRUCTURAL
REGISTERED PROFESSIONAL ENGINEER
19608
DIGITALLY SIGNED
OREGON
NOV. 14, 2000
CRAIG J. TOTTEN
EXPIRES 06-30-26

PORTLAND INTERNATIONAL AIRPORT

TERMINAL UPPER ROADWAY JOINT REPLACEMENT

STRUCTURAL ABBREVIATIONS

SUBMITTED BY	JAY OSTLUND
DESIGN BY	S. THOMAS
DRAWN BY	J. DE BOER
CHECKED BY	C. TOTTEN
DATE	OCTOBER 2026
SHEET NO.	14 TYPE: CD
DRAWING NO.	PDX 2026-514
DISC. SHT. NO.	S0.001