



6	1/11/19	IFB ADDENDUM 4
5	12/17/18	IFB ADDENDUM 2
4	12/5/18	IFB ADDENDUM 1
3	10/4/18	ISSUE FOR BID
2	8/22/18	100% OWNER REVIEW
1	7/24/18	70% OWNER REVIEW
0	6/4/18	35% OWNER REVIEW

REVISIONS

PROJECT TEAM

www.theaerogroup.net



"... 13,000 GATES AND COUNTING"

2700 DELK ROAD SE,  
MARIETTA, GA 30067  
(770) 423-4200 FAX: (770) 423-4203

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2018 AERO SYSTEMS ENGINEERING, INC.



AERO SYSTEMS ENGINEERING, INC.  
TBPE REGISTRATION # 19039

ISSUE FOR BID

DESIGN TEAM

ENGINEER:	TAG
DRAWN BY:	RLA
CHECKED BY:	CRB
SCALE:	N.T.S.

PROJECT INFORMATION

Airport Code	DFW
AERO Project No.	117601DFWDFW
Project Address:	

DFW INTERNATIONAL AIRPORT  
2400 AVIATION DRIVE  
DFW AIRPORT, TX 75261

PROJECT NAME

CONTRACT # 9500667  
TERMINAL B & E PASSENGER BOARDING BRIDGE REPLACEMENT  
GATES B9, B26, E31 & E34

ISSUED FOR BID

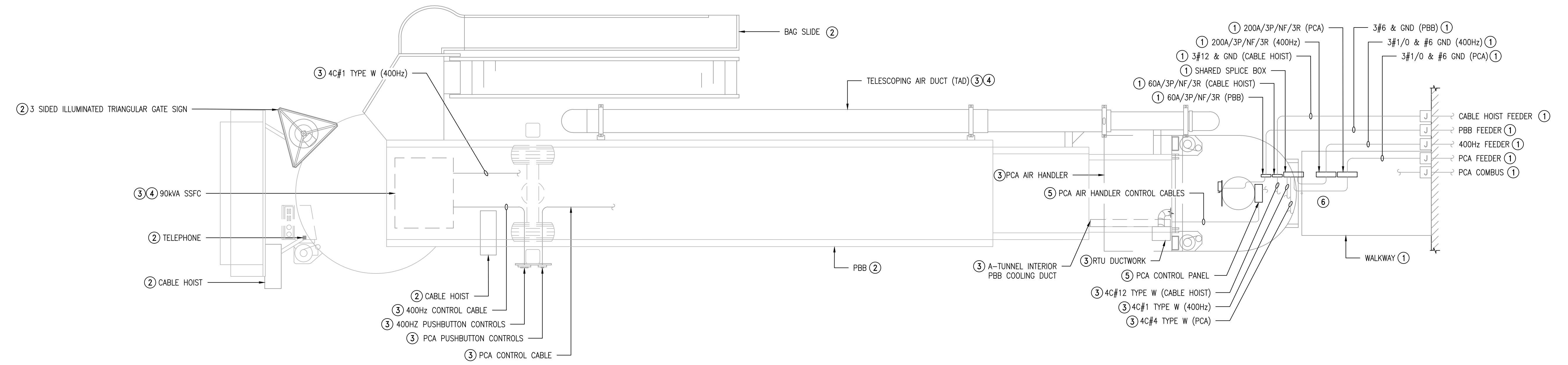
DRAWING DATE	OCTOBER 4, 2018
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SHEET NAME

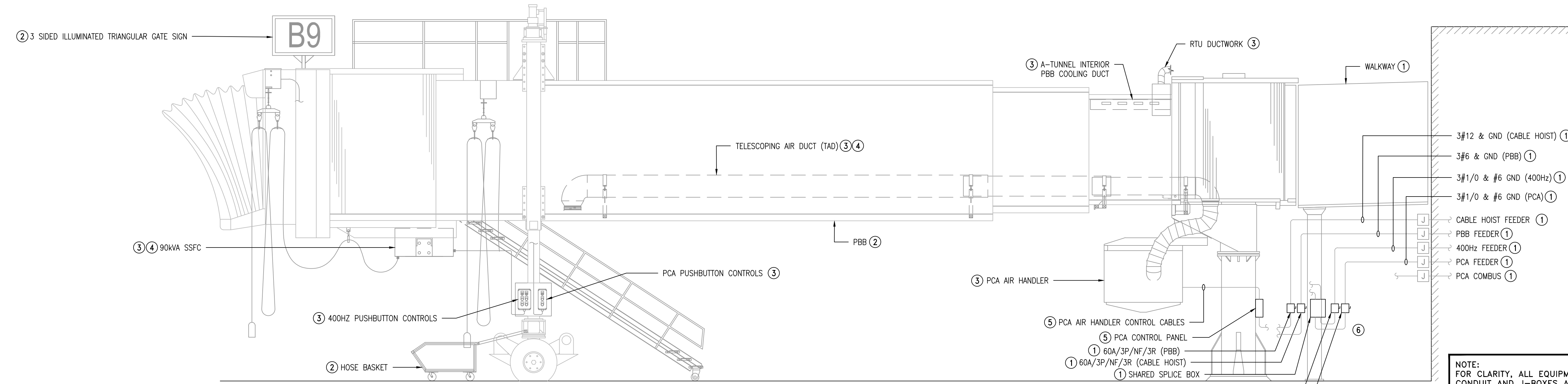
EXISTING PASSENGER BOARDING BRIDGE DETAILS - GATE B9

SHEET No

PBB-3.01



1 PASSENGER BOARDING BRIDGE DETAILS  
PLAN VIEW - EXISTING - GATE B9  
PBB-3.01 SCALE: N.T.S.



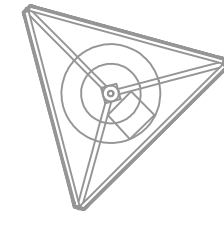
2 PASSENGER BOARDING BRIDGE DETAILS  
ELEVATION VIEW - EXISTING - GATE B9  
PBB-3.01 SCALE: N.T.S.

NOTE:  
FOR CLARITY, ALL EQUIPMENT, CONDUIT AND J-BOXES ARE NOT SHOWN.  
FOR CLARITY, SOME EQUIPMENT SHOWN OUT OF POSITION.

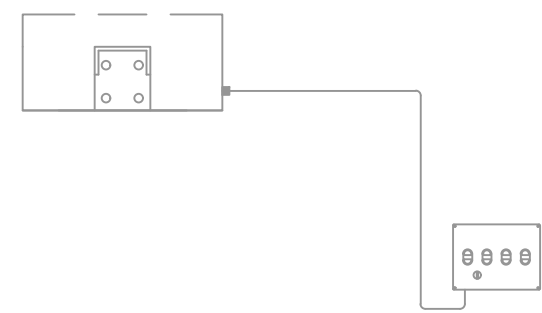
- LEGEND NOTES:**
- EXISTING TO REMAIN.
  - REMOVE & DISCARD, OR TURN OVER TO OWNER AT THE OWNER'S DISCRETION.
  - REMOVE & RE-INSTALL ON (N) PBB.
  - REMOVE MOUNTING BRACKETS AND ANY HARDWARE REQUIRED TO REUSE ON (N) PBB.
  - REMOVE (E) PCA CONTROL PANEL AND CONTROL CABLES TO AHU. REMOVE (E) PCA CONTROL PANEL MOUNTING PLATE OR PROVIDE (N) MOUNTING PLATE FOR (N) PBB.
  - RACK-MOUNTED ELECTRICAL DISCONNECTS, PANELBOARDS & JUNCTION BOXES CAN BE LEFT IN PLACE TO THE EXTENT THEY WILL NOT INTERFERE WITH PBB REPLACEMENT. ALL EQUIPMENT LEFT IN PLACE SHALL BE SECURED AND PROTECTED FROM DAMAGE.  
REMOVE EXISTING PCA UNIT ON (E) PBB. PROVIDE & INSTALL ON (N) PBB.

- GENERAL NOTES:**
- GRIND, PRIME AND PAINT SURFACE AT ALL WELDS. PAINT SHALL MATCH EXISTING BRIDGE COLOR.
  - FIELD VERIFY EXACT LOCATION OF ALL EQUIPMENT/CONDUIT/CABLES, ETC. PRIOR TO MANUFACTURE OR INSTALLATION.
  - COORDINATE THE INSTALLATION OF ALL EQUIPMENT SUCH THAT BRIDGE MAINTAINS CAPACITY OF FULL DESIGN MOVEMENT. THE BRIDGE ROTATIONAL LIMITS ARE DEFINED AS THE EXTREME C.W. TO THE EXTREME C.C.W. POSITIONS, AS WELL AS THE EXTREME HIGH AND LOW AND EXTREME RETRACTABLE AND EXTENSION POSITIONS. THESE LIMITS SHALL BE THE MECHANICAL LIMITS OF THE BRIDGE AND CAB AS INSTALLED IRRESPECTIVE OF ELECTRICAL LIMIT SET POINTS.
  - ELECTRICAL AND MECHANICAL STOPS SHALL BE ADJUSTED/RELOCATED AS NECESSARY TO PREVENT DAMAGE TO BUILDING ELEMENTS AND/OR RAMP OBSTRUCTIONS, SUCH AS HIGH MAST LIGHTING, IN THE EVENT OF FAILURE OF ANY ELECTRONIC/ELECTRIC STOP CIRCUIT/SWITCH.
  - ALL UNDER BRIDGE CONDUITS AND CABLES SHALL BE INSTALLED SO AS TO MAINTAIN A CLOSE PROXIMITY TO THE BOTTOM OF THE BRIDGE. CABLES SHALL NOT HANG LOOSELY FROM BRIDGE.
  - WHEN WELDING ON THE BRIDGE, MAINTAIN A MAXIMUM OF 18" BETWEEN THE ARCING ELECTRODE AND THE GROUNDING CONNECTION, SO AS TO ENSURE THAT WELDING CURRENT FLOWS IN THE ACTUAL MATERIAL BEING WELDED.
  - ALL EQUIPMENT INSTALLED ON BRIDGE SHALL BE PAINTED TO MATCH INSTALLED BRIDGE COLOR.
  - EQUIPMENT AND DETAILS SHOWN ARE A DESIGN INTENT ONLY. PROVIDE ALL EQUIPMENT NECESSARY TO MEET THE DESIGN INTENT AND SPECIFICATIONS. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION DETAILS. SUBMIT ALL DETAILS FOR APPROVAL.
  - ALL STRUCTURAL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AWS D1.1.
  - NON DESTRUCTIVE TESTING IN ACCORDANCE WITH AWS STANDARDS SHALL BE PERFORMED ON ALL STRUCTURAL COMPLETE JOINT PENETRATION, PARTIAL JOINT PENETRATION, AND FILLET WELDS.
  - ALL STRUCTURAL STEEL FABRICATION AND ERECTION SHALL BE PROVIDED IN ACCORDANCE WITH THE AISC MANUAL OF STEEL CONSTRUCTION, CURRENT EDITION.
  - VERIFY LOCATION AND SIZES OF ANCHOR BOLTS PRIOR TO INSTALLATION.
  - COORDINATE FLASHING INSTALLATION WITH SECURITY DEVICES INSTALLED. REMOVE AND REINSTALL AS NECESSARY.
  - VISUALLY INSPECT FOUNDATIONS AND ANCHOR BOLTS AFTER REMOVAL OF (E) PBB'S. NOTIFY ENGINEER IF DEFICIENCIES ARE OBSERVED.
  - PROVIDE OWNER 72 HOURS NOTICE PRIOR TO REMOVING ANY EQUIPMENT FOR DISPOSAL. PROVIDE OWNER AN OPPORTUNITY TO REMOVE ANY DESIRED SPARE PARTS OR COMPONENTS FOR RETENTION PRIOR TO REMOVAL AND DISPOSAL.
  - DRAWING BASED ON RECORD DRAWINGS AND CURSORY FIELD INSPECTIONS BY THE ENGINEER. CONTRACTOR SHALL FIELD VERIFY ALL NECESSARY DETAILS. EXPECT SOME DEVIATIONS. CONTACT ENGINEER IF DEVIATIONS EXIST.
  - FLEXIBLE CONNECTIONS SHALL BE USED AT ALL PBB TO WALKWAY AND WALKWAY TO BUILDING FACE JUNCTIONS TO PREVENT TRANSMISSION OF VIBRATIONS.

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B26



6	1/11/19	IFB ADDENDUM 4
5	12/17/18	IFB ADDENDUM 2
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0	6/4/18	35% OWNER REVIEW

REVISIONS	
NO.	DATE

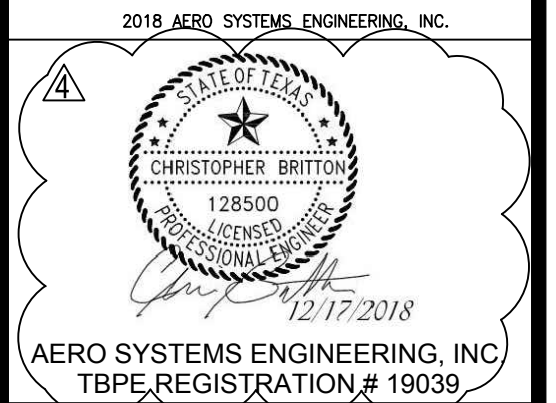
PROJECT TEAM

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AERO SYSTEMS ENGINEERING, INC. TBPE REGISTRATION # 19039

ISSUE FOR BID

DESIGN TEAM	
ENGINEER:	TAG
DRAWN BY:	RLA
CHECKED BY:	CRB
SCALE:	N.T.S.
PROJECT INFORMATION	
Airport Code:	DFW
AERO Project No:	117601DFWDFW
Project Address:	

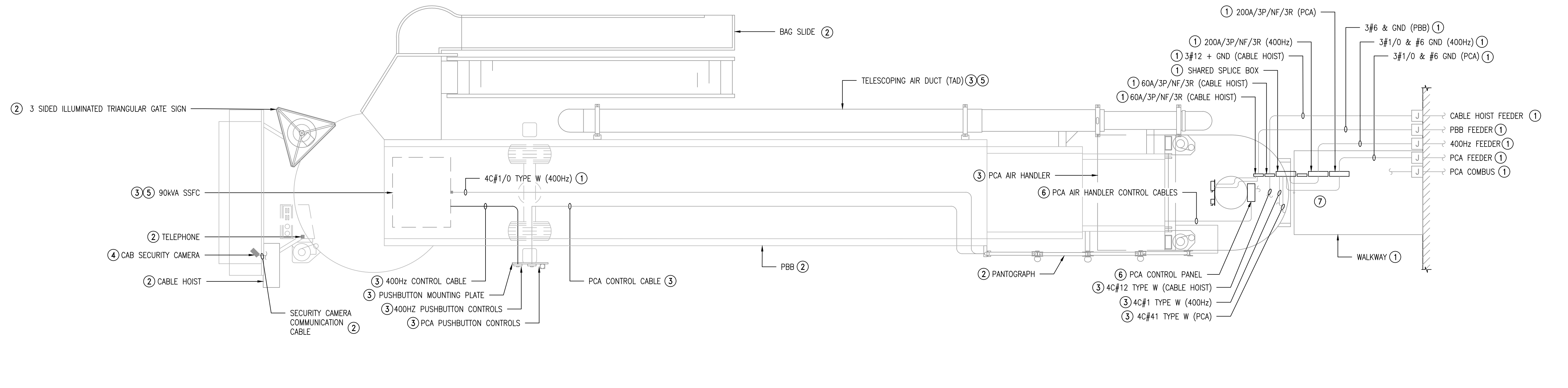
DFW INTERNATIONAL AIRPORT  
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**CONTRACT # 9500667**  
**TERMINAL B & E PASSENGER BOARDING BRIDGE REPLACEMENT**  
**GATES B9, B26, E31 & E34**

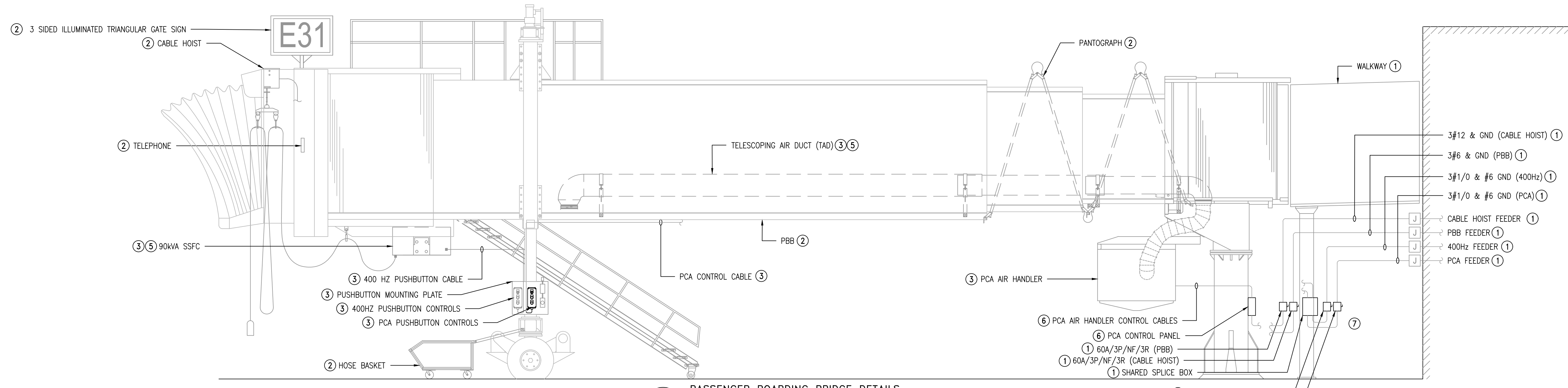
ISSUED FOR BID  
DRAWING DATE  
OCTOBER 4, 2018

SHEET NAME  
**EXISTING PASSENGER BOARDING BRIDGE DETAILS - GATE E31**

SHEET No  
**PBB-3.03**



**1** PASSENGER BOARDING BRIDGE DETAILS  
PLAN VIEW - EXISTING - GATE E31  
PBB-3.03 SCALE: N.T.S.



**2** PASSENGER BOARDING BRIDGE DETAILS  
ELEVATION VIEW - EXISTING - GATE E31  
PBB-3.03 SCALE: N.T.S.

- LEGEND NOTES:**
- EXISTING TO REMAIN.
  - REMOVE & DISCARD, OR TURN OVER TO OWNER AT THE OWNER'S DISCRETION.
  - REMOVE & RE-INSTALL ON (N) PBB.
  - REMOVE (E) SECURITY CAMERA & MOUNT TO BE REINSTALLED ON (N) PBB. SECURITY CAMERA USES CAT-6 CABLING.
  - REMOVE MOUNTING BRACKETS AND ANY HARDWARE REQUIRED TO REUSE ON (N) PBB.
  - REMOVE (E) PCA CONTROL PANEL AND CONTROL CABLES TO AHU. REMOVE (E) PCA CONTROL PANEL MOUNTING PLATE OR PROVIDE (N) MOUNTING PLATE FOR (N) PBB.
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- GENERAL NOTES:**
- GRIND, PRIME AND PAINT SURFACE AT ALL WELDS. PAINT SHALL MATCH EXISTING BRIDGE COLOR.
  - FIELD VERIFY EXACT LOCATION OF ALL EQUIPMENT/CONDUIT/CABLES, ETC. PRIOR TO MANUFACTURE OR INSTALLATION.
  - COORDINATE THE INSTALLATION OF ALL EQUIPMENT SUCH THAT BRIDGE MAINTAINS CAPACITY OF FULL DESIGN MOVEMENT. THE BRIDGE ROTATIONAL LIMITS ARE DEFINED AS THE EXTREME C.W. TO THE EXTREME C.C.W. POSITIONS, AS WELL AS THE EXTREME HIGH AND LOW AND EXTREME RETRACTABLE AND EXTENSION POSITIONS. THESE LIMITS SHALL BE THE MECHANICAL LIMITS OF THE BRIDGE AND CAB AS INSTALLED IRRESPECTIVE OF ELECTRICAL LIMIT SET POINTS.
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