JACKSON–MEDGAR WILEY EVERS INTERNATIONAL AIRPORT

JAN PASSENGER BOARDING BRIDGE REPLACEMENT PROJECT

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118504	1	PASSENGER BOARDING BRIDGE
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118561	1	SOLID STATE FREQUENCY CONVERTER

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JMAA JET BRIDGE 2

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COVER PAGE AND SHEET INDEX

JOB NO: 62960
DATE: 08/18/21
DRAWN: BWW
CHECKED: CRB
CAD FILE:

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STATE OF MISSISSIPPI
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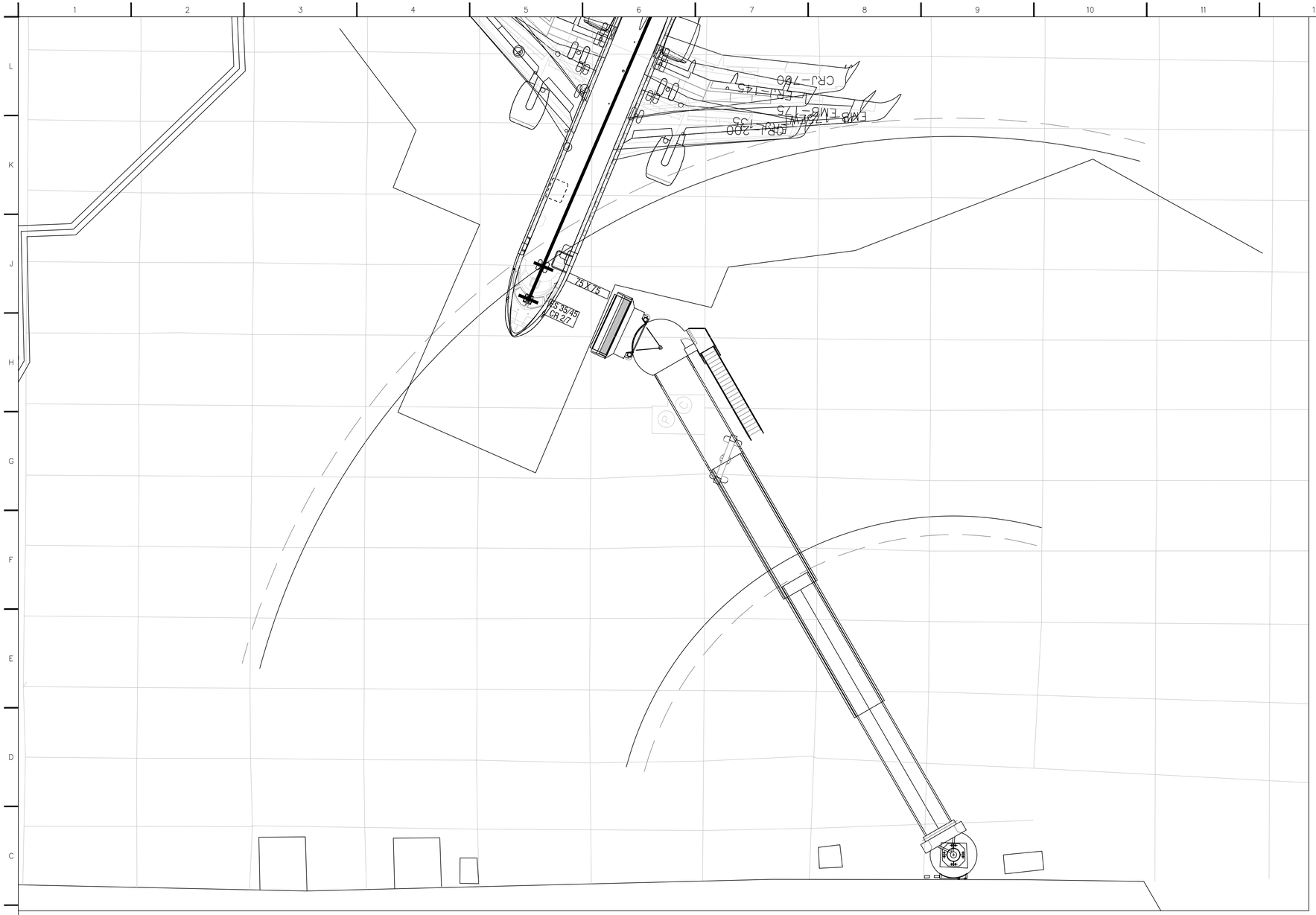
CP



AIRCRAFT SERVICE CHART	
GATE NO.	2
ERJ-135	X
ERJ-145	X
CRJ-200	X
CRJ-700	X
EMB-175	X
EMB-175EWT	X

SERVICE CHART LEGEND:
X = AIRCRAFT SERVICED BY PBB.

GENERAL NOTES:

1. AIRCRAFT PARKING CONDITIONS SHOWN WERE PROVIDED TO ASE BY THE CLIENT AND ARE FOR ILLUSTRATION PURPOSES ONLY. NO FIELD SURVEY WAS PERFORMED TO VERIFY SAID DATA.
2. DESIGN UTILIZES TKAS PBB MODEL AS A BASIS OF DESIGN. PROVIDE AND INSTALL AS INDICATED OR EQUIVALENT. SEE SPECIFICATIONS.
3. COORDINATE ALL ACTIVITIES WITH THE TERMINAL BUILDING CONTRACTOR THROUGH THE OWNER.
4. SCOPE OF WORK SHOWN IS GENERAL IN NATURE AND IS NOT INTENDED TO BE ALL INCLUSIVE. ADDITIONAL DETAILS INDICATED ON APPROPRIATE DRAWING SERIES. PROVIDED ALL WORK ITEMS SHOWN IN CONSTRUCTION DOCUMENTS.
5. PASSENGER BOARDING BRIDGE WHEELS MANEUVER OVER MANHOLE LIDS. NO SPECIFIC STUDY WAS PERFORMED TO VERIFY LOAD CAPABILITIES OF THE MANHOLE LIDS SHOWN. IT SHALL BE THE AIRPORTS RESPONSIBILITY TO VERIFY THE MANHOLE LIDS ARE STRUCTURALLY SUFFICIENT TO SUPPORT THE PASSENGER BOARDING BRIDGE LOADS.
6. EXISTING PARKING ARRANGEMENT PROVIDED BY OTHERS AND WAS NOT VERIFIED FOR ADA SLOPE.

GATE 2 SCOPE NOTES:

- EXISTING STRIPING TO REMAIN
- DEMO (E) PBB, 400HZ, PCA
- INSTALL (N) PBB.
- INSTALL (N) 400HZ GPU
- INSTALL (N) PCA

PASSENGER BOARDING BRIDGE AND SERVICE DATA								
GATE	MODEL	ROTUNDA FLOOR	PCA	400HZ	POTABLE WATER	BAG CONVEYOR	CE FLOOR	VDGS
2	(N) 43_20.5-3	14.03' (1)	(N) 45T	(N) 90KVA SSFC	(E) YES	(E)	YES	NO

(1) ROTUNDA FLOOR HEIGHT INCLUDES 27.5" FOUNDATION PEDESTAL

PBB AND SERVICE DATA CHART LEGEND:
(E) EXISTING
(N) NEW

HERON

0 10' 20'

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NO	REVISION	DATE
1	REVISION XXX	XX/XX/XX

NEW AIRCRAFT PARKING LAYOUT – GATE 2

JOB NO: 62960
DATE: 08/18/21
DRAWN: BWW
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CAD FILE:

CHRISTOPHER BRITTAIN
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5027
STATE OF MISSISSIPPI
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NOT FOR CONSTRUCTION

AP-2.0

J	JUNCTION BOX
J	CEILING MOUNTED JUNCTION BOX
	PIN AND SLEEVE TYPE 3R CONNECTOR
	PUSH–BUTTON STATION
	DISCONNECT SWITCH – SIZE/POLES/FUSE/ENCLOSURE MOUNT 48" AFF
	EQUIPMENT CONTROLLER
	COMBINATION MOTOR CONTROLLER DISCONNECT SWITCH SIZE/POLES/FUSE/ENCLOSURE MOUNT 48" AFF
	FUSED DISCONNECT SWITCH
OR	FUSE
	FLEXIBLE RACEWAY (LIQUID–TIGHT AS NECESSARY)
	HEAT TRACE
ø	PHASE
	RACEWAY CONCEALED IN FLOOR OR UNDERGROUND
	EXPOSED RACEWAY
	LIQUID TIGHT CABLE GRIP
WM	LIQUID TIGHT WIRE MESH STRAIN RELIEF
	CIRCUIT BREAKER W/ FRAME & TRIP RATINGS INDICATED
T	DRY TYPE TRANSFORMER (UNLESS OTHERWISE NOTED)
	GROUND CONNECTION
	GROUNDING ELECTRODE
#	MOTOR, WITH HP INDICATED
E	ELECTRIC UTILITY METER AS NOTED
PW	POTABLE WATER CABINET

A	AMP OR AMPERE
ADGS	AIRCRAFT DOCKING GUIDANCE SYSTEM – AUTOMATIC
ADGU	AIRCRAFT DOCKING UNIT – MANUAL
AHU	AIR HANDLER UNIT
AIC	AMPERE INTERRUPTING CAPACITY
AFF	ABOVE FINISHED FLOOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AL	ALUMINUM
ALRC	ALUMINUM RIGID CONDUIT
ASE	AERO SYSTEMS ENGINEERING, INC.
ASY	ASYMMETRICAL
AWG	AMERICAN WIRE GAUGE
AWS	AMERICAN WELDING SOCIETY
BDP	BRIDGE DISTRIBUTION PANEL
C	CONDUIT
CKT	CIRCUIT
CLF	CURRENT LIMITING FUSE
CT	CURRENT TRANSFORMER
Cu	COPPER
CW	CLOCKWISE
CCW	COUNTER CLOCKWISE
CRS	COLD ROLLED STEEL
DISC.	DISCONNECT
DIA	DIAMETER
DX	DIRECT EXPANSION
(E)	EXISTING
EMT	ELECTRICAL METALLIC TUBING
F	FUSE
FIDS	FLIGHT INFORMATION DISLPLAY SYSTEM
FP	FIRE ALARM PULL STATION
FLA	FULL LOAD AMPS
FUS	FUSIBLE
G OR GND	GROUND
GPU	GROUND POWER UNIT (400HZ OR 28VDC AS INDICATED)
GS	GROUND SERVICES (AIRCRAFT)
GSE	GROUND SERVICES EQUIPMENT (AIRCRAFT)
H	HEIGHT
HP	HORSEPOWER
HZ	HERTZ
IMC	INTERMEDIATE METAL CONDUIT
J	JUNCTION BOX
JAN	JACKSON–MEDGAR WILEY EVERS INTERNATIONAL AIRPORT

KVA	KILOVOLT AMPERE
KW	KILOWATT
MLO	MAIN LUG ONLY
MNPT	MALE NATIONAL PIPE THREAD
(N)	NEW
N1	NEMA 1 OR INDOOR ENCLOSURE
N3R	NEMA 3R OR OUTDOOR ENCLOSURE
NEC	NATIONAL ELECTRICAL CODE
NF	NON–FUSIBLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OCP	OVER CURRENT PROTECTION
P	POLE
PBB	PASSENGER BOARDING BRIDGE, PASSENGER LOADING BRIDGE, OR LOADING BRIDGE
PCA	PRECONDITIONED AIR
POU	POINT OF USE
PVC	POLYVINYL CHLORIDE CONDUIT
PW	POTABLE WATER
PWC	POTABLE WATER CABINET
R	RADIUS
(R)	RELOCATED
RIDS	RAMP INFORMATION DISPLAY SYSTEM
RGS	RIGID GALVANIZED STEEL
RMS	ROOT MEAN SQUARE
SC	SCREW COVER
SD	SMOKE DETECTOR
SOW	SUNLIGHT, OIL AND WATER RESISTANT, SIZE AS INDICATED
SS	STAINLESS STEEL
SSFC	SOLID STATE FREQUENCY CONVERTER
SWBD	SWITCHBOARD
TSP	TWISTED SHIELDED PAIR
TYP	TYPICAL
UG	UNDERGROUND OR SUB–SURFACE
UL	UNDERWRITERS LABORATORIES
UPS	UN–INTERRUPTABLE POWER SUPPLY
V	VOLTS
VA	VOLT AMPERE
W	WIDTH
XFMR	TRANSFORMER
400HZ	400 HERTZ AIRCRAFT GROUND POWER

GENERAL NOTES:

1. DRAWING TITLES USED THROUGHOUT THIS PACKAGE ARE FOR CONVENIENCE ONLY AND SHOULD NOT BE CONSTRUED TO LIMIT THE CONTRACTOR'S WORK SHOWN THEREON. A GENERAL SUMMARY OF THE CONTRACTOR'S SCOPE OF WORK CAN BE SEEN IN THE SCHEDULE ON THIS DRAWING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL EQUIPMENT AS NECESSARY TO MEET THE DESIGN INTENT OF THIS PACKAGE AND TO PROVIDE AND INSTALL COMPLETE AND OPERABLE FINAL SYSTEMS.
2. EXISTING CONDITIONS SHOWN THROUGHOUT THIS PACKAGE ARE AN ACCUMULATION OF CAD FILES PROVIDED TO ASE BY OTHERS. NO FIELD SURVEY WAS PERFORMED TO CONFIRM SAID DATA. SHOULD DISCREPANCIES ARISE CONTACT ENGINEER.
3. NOT ALL SYMBOLS OR ABBREVIATIONS ARE NECESSARILY USED IN THIS DRAWING PACKAGE.
4. EQUIPMENT, TERMINATIONS. INSTALLATION DETAILS WITHIN THIS PACKAGE ARE PROVIDED AS A DESIGN INTENT ONLY. PROVIDE ALL INSTALLATION SERVICES, MATERIALS, ETC. AS NECESSARY TO INSTALL ACTUAL EQUIPMENT. ALL COSTS TO BE COVERED UNDER BASE BID.
5. ALL COMMISSIONING AND TESTING FOR INDICATED EQUIPMENT SHALL BE INCLUDED AS PART OF THIS CONTRACT.
6. THE TERM LOADING BRIDGE MAY ALSO BE REFERRED TO AS PASSENGER BOARDING BRIDGE (PBB) THROUGHOUT THE PROJECT. EITHER TERM IS USED TO IDENTIFY THE EQUIPMENT USED AS THE WALKWAY, FIXED AT THE TERMINAL OR BUILDING FACE, USED TO LOAD AND/OR OFFLOAD PASSENGERS TO/FROM AIRCRAFT PARKED AT THE GATE.
7. WORK AREAS AND STORAGE/LAY DOWN AREAS SHALL BE LIMITED TO THE RAMP AREA IN THE VICINITY OF THE SHUT DOWN GATE. DO NOT IMPACT OPERATIONS AT ADJACENT GATES.
8. PROVIDE APPROVED BARRICADES AROUND GATE AREAS DURING BRIDGE ERECTION AND CRANE OPERATIONS.
9. SEE SPECIFICATIONS FOR ADDITIONAL COORDINATION INFORMATION OR DETAILS.

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JMAA JET BRIDGE 2

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SYMBOLS & ABBREVIATIONS

JOB NO: 62960
DATE: 08/18/21
DRAWN: BWW
CHECKED: CRB
CAD FILE:

CHRISTOPHER BRITTON
LICENSED PROFESSIONAL
ENGINEER
30237
STATE OF MISSISSIPPI
8/18/21

PBB-0.1

GENERAL NOTES:

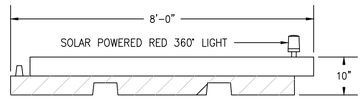
1. WORK ONLY WITHIN THE DESIGNATED CONSTRUCTION WORK LIMITS.
2. MEET WITH JACKSON–MEDGAR WILEY EVERS INTERNATIONAL AIRPORT (JAN) PROJECT REPRESENTATIVE (PR) AT THE START OF EACH DAY TO COORDINATE DAILY CONSTRUCTION ACTIVITIES.
3. A UTILITY MAP MAY BE OBTAINED FROM PRECISION APPROACH ENGINEERING. THE LOCATION OF ALL UNDERGROUND UTILITIES MUST BE VERIFIED IN FIELD. ANY BREAK IN CABLES AND/ OR UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.
4. ALL PAVED AREAS AFFECTED BY CONSTRUCTION EQUIPMENT INGRESS AND EGRESS SHALL BE KEPT CLEAR OF FOREIGN OBJECT DEBRIS (FOD) AND SWEPT CLEAN CONTINUOUSLY, OR AS DIRECTED BY THE PR. THE ACCESS ROUTES ARE LOCATED ON AN ACTIVE AIRPORT AND ALL DEBRIS MUST BE REMOVED IMMEDIATELY TO ELIMINATE THE POTENTIAL OF FOD DAMAGE TO PROPERTY OR HARM TO PEOPLE.
5. THE CONTRACTOR IS TO INSTRUCT HIS PERSONNEL ON SAFETY ISSUES AND SEVERITY OF VIOLATIONS TO SAFETY ON AN OPERATIONAL AIRFIELD. REPEAT VIOLATIONS WILL BE GROUNDS FOR REFUSING ACCESS TO THE AIRFIELD FOR SPECIFIC INDIVIDUALS.
6. ANY DAMAGES INCURRED BY THE AIRPORT OR ITS TENANTS, CAUSED BY THE CONTRACTOR, SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
7. ALL AREAS OUTSIDE THE LIMITS OF CONSTRUCTION INCLUDING ACCESS ROADS WHICH ARE DAMAGED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE ENGINEER.
8. TAKE ALL NECESSARY PRECAUTIONS TO PREVENT WASTE AND LOOSE BLOWING MATERIALS (FOD) FROM GETTING INTO THE AOA.
9. ENSURE THAT ALL AIRPORT SURFACES (PAVED OR UNPAVED) REMAIN CLEAR OF ALL FOD.
10. OBTAIN ANY PERMITS THAT MAY BE NECESSARY FOR THE PROJECT.
11. AT NO TIME SHALL ANY EXCAVATED AREAS BE LEFT UNATTENDED IN THE VICINITY OF THE ACTIVE AIRFIELD, UNLESS ADEQUATELY PROTECTED SUBJECT TO THE REVIEW AND SATISFACTION OF THE OWNER.
12. THESE NOTES ARE SUPPLEMENTARY TO FAA ADVISORY CIRCULAR 150/5370–2F, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION," AND THE CONSTRUCTION OPERATION PLANS. THE DIRECTION PROVIDED THEREIN MUST BE ADHERED TO.
13. REMOVE ALL WASTE MATERIALS FROM THE SITE ON A DAILY BASIS.
14. NOT ALL NOTES NECESSARILY APPLY TO THE INTENDED SCOPE.
15. CONTRACTOR TO COORDINATE WITH OWNER ON APPROVED STANDARD BARRICADES THAT ARE TO BE PROVIDED AND INSTALLED BY CONTRACTOR TO PREVENT INADVERTENT AIRCRAFT OR UNAUTHORIZED PERSONNEL ENTRY INTO WORK AREAS (SEE DETAILS 1, 2 AND 3 ON THIS SHEET).
16. CRANES:
    - A. USE OF TOWER CRANES OR OTHER CRANES OR HOISTING EQUIPMENT WITH FIXED BOOMS THAT CANNOT BE LOWERED ARE PROHIBITED.
    - B. TYPICAL CRANE USAGE SHALL BE LIMITED TO NO MORE THAN 125 TON HYDRAULIC RUBBER WHEELED CRANE.
    - C. OUTRIGGERS MUST USE PADS TO PREVENT DAMAGE TO RAMP SURFACES. MAINTAIN MINIMUM 5' FROM ANY CONCRETE EDGE.
    - D. BOOM MUST BE EQUIPPED WITH A 3'x3' ORANGE/WHITE CHECKERED FLAG AND WARNING LIGHTS WHEN OPERATING AT GREATER THAN 30' IN ACCORDANCE WITH FAA ADVISORY CIRCULAR 70/7460–1L.
    - E. CRANES NOT IN USE OR STAGED ON SITE SHALL BE KEPT IN A BOOM DOWN CONDITION.
    - F. BOOM HEIGHTS SHALL BE LIMITED TO A MAXIMUM OPERATIONAL HEIGHT OF 60' ABOVE RAMP LEVEL AND WITHIN FAA PART 77 SURFACE LIMITATIONS.
17. PROVIDE ALL MATERIALS AND WORKMANSHIP IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, ORDINANCES, AND REGULATIONS. OBTAIN ALL REQUIRED PERMITS (BUILDING, BURN, ETC.), FINAL INSPECTIONS, CERTIFICATIONS AND CLOSE–OUT OF PERMITS.
18. CHECK ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, AND DIMENSIONS FOR ACCURACY AND IF THERE ARE ANY QUESTIONS, OBTAIN A CLARIFICATION FROM THE ENGINEER BEFORE PROCEEDING WITH THE WORK IN QUESTION OR RELATED WORK.
19. DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS SHALL ALWAYS GOVERN. SCALES SHOWN ARE FOR REFERENCE ONLY. FIELD VERIFY ALL SCALES AND DIMENSIONS. CONTACT THE ENGINEER FOR ANY REQUIRED ADDITIONAL INFORMATION PRIOR TO PROCEEDING WITH THE WORK IN QUESTION.
20. LARGE SCALE DRAWINGS TAKE PRECEDENCE OVER SMALL SCALE, DETAILS TAKE PRECEDENCE OVER ALL. NOTIFY ENGINEER OF CONFLICTS IN WRITING, PRIOR TO PROCEEDING WITH THE WORK IN QUESTION.
21. AT COMPLETION OF THE WORK, REMOVE ALL MARKS, STAINS, FINGERPRINTS, DUST, DIRT, SPLATTERED PAINT, AND BLEMISHES RESULTING FROM THE VARIOUS OPERATIONS THROUGHOUT THE PROJECT.
22. DO NOT INTERRUPT SERVICE TO PARTS OF THE BUILDING OUTSIDE CONTRACT LIMITS OF THIS PROJECT.
23. DETAILS ARE USUALLY KEYED ONLY ONCE (ON THE PLANS OR ELEVATIONS WHEN THEY FIRST OCCUR) AND ARE TYPICAL FOR SIMILAR CONDITIONS THROUGHOUT UNLESS OTHERWISE NOTED.
24. "TYPICAL" OR "TYP." MEANS FOR ALL SIMILAR CONDITIONS, UNLESS OTHERWISE NOTED.
25. NOT ALL SYMBOLS ARE NECESSARILY USED ON THIS PROJECT.
26. ALL DIMENSIONS GIVEN AS CLEAR ARE NOT ADJUSTABLE WITHOUT ARCHITECT/ ENGINEERS APPROVAL.
27. ALL EXISTING MATERIALS ARE NOTED AS EXISTING OR (E). OTHER ITEMS ARE NEW OR (N), EITHER LABELED AS NEW OR NOT.
28. THIS DRAWING PACKAGE IS BASED ON AVAILABLE AS–BUILT INFORMATION AND CURSORY FIELD OBSERVATIONS AND IS USED TO DEPICT A DESIGN INTENT ONLY. FIELD VERIFY EXISTING CONDITIONS AND EXPECT SOME DEVIATIONS BETWEEN ACTUAL CONDITIONS AND DRAWINGS.
29. THESE DRAWINGS DO NOT INCLUDE COMPONENTS THAT MAY BE NECESSARY FOR CONSTRUCTION SAFETY. CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY IN AND AROUND THE JOB SITE.
30. ALL WORK ASSOCIATED WITH THE REMOVAL AND INSTALLATION OF EQUIPMENT SHALL BE PERFORMED BY AN EXPERIENCED CONTRACTOR IN ACCORDANCE WITH THE SPECIFICATIONS. NO PROCEDURES, MEANS, OR METHODS INDICATED HEREIN ARE TO BE CONSTRUED AS TO LIMIT THE CONTRACTOR(S)' MEANS, METHODS, TECHNIQUES OR SEQUENCES TO CARRY OUT THE WORK.
31. ALL POWER OUTAGES TO BE COORDINATED WITH THE OWNER. POWER OUTAGE WILL LIKELY BE BETWEEN 12:00AM AND 5:00AM ONLY. FOLLOW AIRPORT POWER OUTAGE PROGRAM.
32. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. ADVISE ENGINEER IF MANUFACTURER'S INSTRUCTIONS DEVIATE FROM DESIGN INTENT OR DETAILS.
33. THE ENGINEER HAS MADE EVERY EFFORT TO SET FORTH IN THE BID DOCUMENTS THE COMPLETE SCOPE OF WORK FOR THE PROJECT. PROPOSERS ARE CAUTIONED THAT MINOR OMISSIONS AND DISCREPANCIES IN THE DOCUMENTS DO NOT EXCUSE OR EXCLUDE PROPOSERS FROM PROVIDING PROPOSAL PRICES TO COMPLETE THEIR RESPECTIVE PORTIONS OF THE PROJECT TO THE INTENT OF THESE DESIGN DOCUMENTS. IT IS THE RESPONSIBILITY OF THE PROPOSERS TO BRING ANY CONFLICTS, OMISSIONS OR DISCREPANCIES TO THE ATTENTION OF THE OWNER PRIOR TO THE SUBMITTAL OF THE PROPOSER'S BID. SUBMISSION OF BIDS OR OFFERS SHALL BE CONSIDERED AS PROPOSER'S EVIDENCE OF HAVING PERFORMED PROJECTS OF SIMILAR SIZE AND SCOPE AND AS PROPOSER'S ACCEPTANCE OF THESE TERMS AND CONDITIONS. AFTER EXECUTION OF THE CONTRACT, NO EXTRA CHARGE WILL BE ALLOWED FOR ITEMS OF WORK, WHERE SUCH ITEMS ARE CONCLUDED TO CONFORM WITH NORMAL CONSTRUCTION PRACTICES AND METHODS OF PROJECTS WITH SIMILAR SCOPES.
34. REPAIR ANY DAMAGE CAUSED OR CREATED BY CONTRACTOR TO (E) FACILITIES, EQUIPMENT, DEVICES, ETC. TO A PREVIOUSLY EXISTING CONDITION AT NO ADDITIONAL COST TO OWNER.
35. PROTECT ALL EQUIPMENT AND BRACKETS DURING MODIFICATIONS.
36. ADJUST LIMITS OF PBB SUCH AS NECESSARY TO PREVENT ANY DAMAGE TO NEWLY INSTALLED OR EXISTING EQUIPMENT.
37. 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 ONLY.
38. NOT ALL SYSTEMS AND SERVICES SHOWN FOR CLARITY. ALL MAJOR POWER CIRCUITS SHOWN. DISCONNECT, EXTEND, REMOVE, DISCARD, REINSTALL, AND CONNECT AS REQUIRED TELEPHONE SERVICE, SECURITY DEVICES, TEMP SENSORS, COMMUNICATIONS BUSSES, ETCETERA FOR A COMPLETE AND OPERATIONAL INSTALLATION.
39. ALL PBB INTERIOR INSTALLATIONS ON WALL PANELS SHALL UTILIZE INSTALLATION METHODS THAT DO NOT REQUIRE PENETRATION OF WALL BOARDS WITH SCREWS OR THE LIKE.
40. FOR ANY EQUIPMENT THAT IS TO BE REMOVED & REINSTALLED, PROVIDE AND INSTALL (N) MOUNTING BRACKETS AS NECESSARY.
41. PREPARE,, PATCH, PRIME AND PAINT AS NECESSARY ALL POINTS OF DEMOLITION TO MATCH SURROUNDING SUBSTRATES.
42. ALL EQUIPMENT INSTALLED OR RE–INSTALLED ON PBB SHALL BE PAINTED TO MATCH THE PBB ON WHICH IT IS INSTALLED.
43. PROVIDE & INSTALL SECURE WEATHERPROOFING ON ANY WALKWAYS OR BUILDING ELEMENTS EXPOSED DUE TO CONSTRUCTION ACTIVITIES AS NECESSARY.
44. DURING PERIODS WHEN PBB IS REMOVED FROM GATE, SECURE TERMINAL DOOR & PROVIDE & INSTALL TEMPORARY SIGNAGE ON DOOR INTERIORS WHICH STATES "AREA UNDER CONSTRUCTION" AND "NOT AN EXIT."
45. ALL (N) EQUIPMENT IDENTIFIED HEREIN REPRESENTS A DESIGN INTENT ONLY. MANUFACTURER AND CONTRACTOR SHALL COORDINATE AS NECESSARY TO DESIGN MANUFACTURE AND INSTALL IDENTIFIED EQUIPMENT IN A MANNER TO COORDINATE WITH ALL FIELD CONDITIONS AND OTHER IDENTIFIED EQUIPMENT WHETHER EXISTING (E) OR NEW (N).

SITE LOGISTIC NOTES:

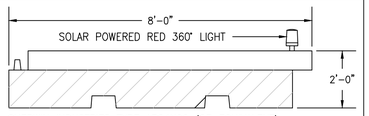
1. WORKER PARKING SHALL BE RESTRICTED TO AREAS WITHIN BARRICADED WORK SITES.
2. ALL MATERIALS SHALL BE STORED WITHIN THE BARRICADED WORK SITE.
3. SECURITY PROVISIONS SHALL BE PROVIDED PER JAN STANDARDS.
4. EMERGENCY CONTACT INFORMATION SHALL BE POSTED AT BARRICADED WORK SITES.
5. PASSENGER BOARDING BRIDGE WORK TO BE COMPLETED DURING NORMAL WORKING HOURS (8AM–5PM).

LEGEND NOTES:

(1) CONSTRUCTION SITE SIGNAGE SHALL BE PERMANENTLY ATTACHED TO EACH CONCRETE BARRICADE AND SHALL BE ORIENTED TO FACE THE OUTSIDE OF THE AREA. USE SETON ITEM # 94149 OR APPROVED EQUAL.



SHERWIN INDUSTRIES TYPE AR10X96 (OR EQUIVALENT)



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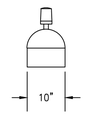
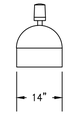


EMPTY: 26#
FULL (WATER): 251#
FULL (SAND): 387#

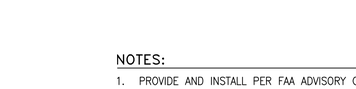


EMPTY: 35#
FULL (WATER): 675#

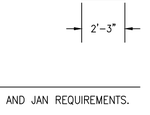
NOTES:
1. PROVIDE AND INSTALL PER FAA ADVISORY CIRCULAR 150/5370–2F, AND JAN REQUIREMENTS.
2. LIGHTS SHALL HAVE A MINIMUM EFFECTIVE INTENSITY OF 6 CANDELA.
3. POLYETHYLENE PLASTIC ALTERNATE ORANGE/WHITE FILL WITH WATER OR SAND WEIGHT.

1 / PBB–0.2 ULTRA LOW PROFILE BARRICADES
SCALE: N.T.S.

2 / PBB–0.2 LOW PROFILE BARRICADES
SCALE: N.T.S.

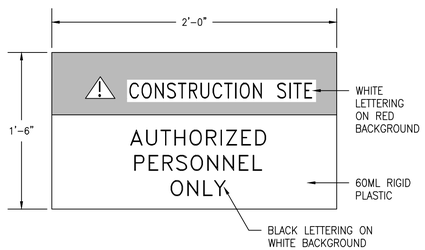


BELSON OUTDOORS TYPE JBSE–8 (OR EQUIVALENT)



NOTES:
1. PROVIDE AND INSTALL PER FAA ADVISORY CIRCULAR 150/5370–2F, AND JAN REQUIREMENTS.
2. CONCRETE BARRIER WEIGHT: 3,575LBS

3 / PBB–0.2 CONCRETE BARRICADES
SCALE: N.T.S.



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JMAA JET BRIDGE 2

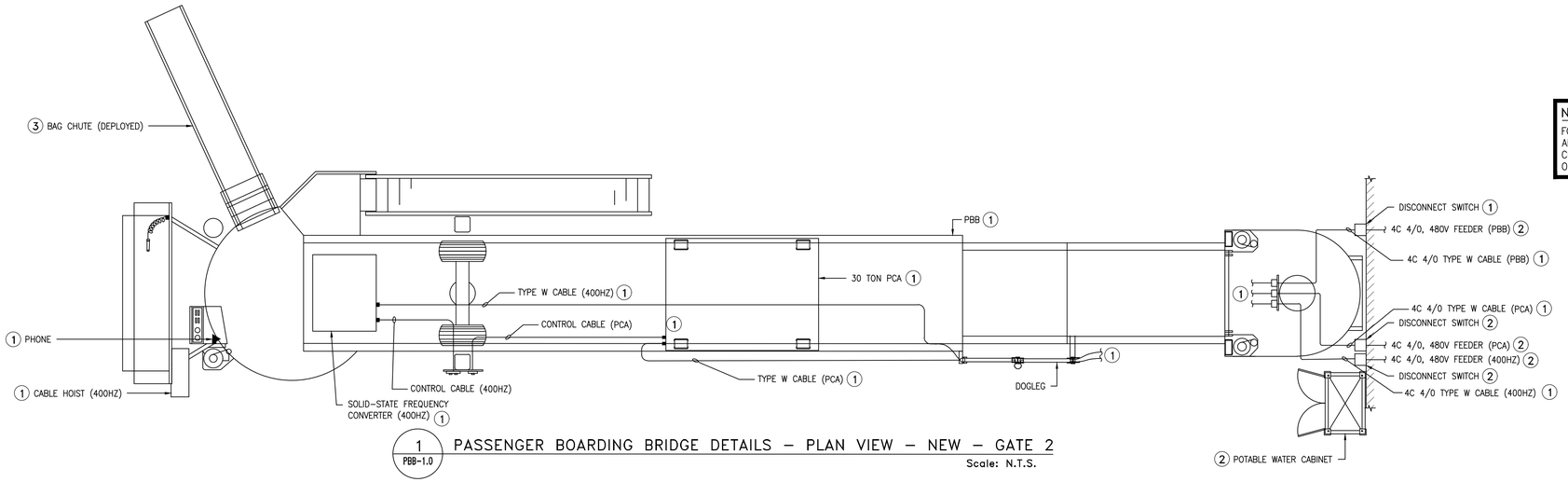
JACKSON MUNICIPAL AIRPORT AUTHORITY
100 INTERNATIONAL DRIVE STE 300
JACKSON, MS 39298

PASSENGER BOARDING BRIDGE
GENERAL NOTES

JOB NO: 62960
DATE: 08/18/21
DRAWN: BWW
CHECKED: CRB
CAD FILE:

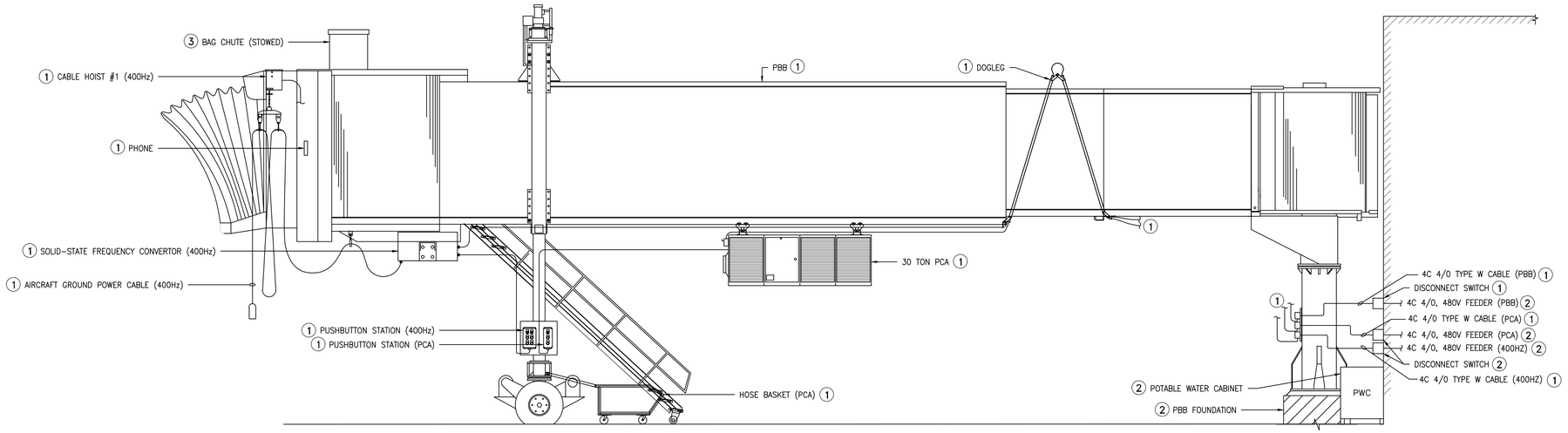
CHRISTOPHER BRITTON
LICENSED PROFESSIONAL
ENGINEER
30237
STATE OF MISSISSIPPI
8/18/21

PBB-0.2



1 PBB-1.0 PASSENGER BOARDING BRIDGE DETAILS – PLAN VIEW – NEW – GATE 2

Scale: N.T.S.



2 PBB-1.0 PASSENGER BOARDING BRIDGE DETAILS – ELEVATION VIEW – NEW – GATE 2

Scale: N.T.S.

NOTE:

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

SHEET NOTES

1. REMOVE AND DISCARD.
2. EXISTING TO REMAIN
3. REMOVE AND RE-INSTALL ON (N) PBB.

GENERAL NOTES:

1. FIELD VERIFY EXACT LOCATION OF ALL EQUIPMENT/CONDUIT/CABLES, ETC. PRIOR TO MANUFACTURE OR INSTALLATION.
2. 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.
3. DRAWING BASED ON RECORD DRAWINGS PROVIDED BY OTHERS AND CURSORY FIELD INSPECTIONS BY THE ENGINEER. CONTRACTOR SHALL FIELD VERIFY ALL NECESSARY DETAILS. EXPECT SOME DEVIATIONS. CONTACT ENGINEER IF DEVIATIONS EXIST.

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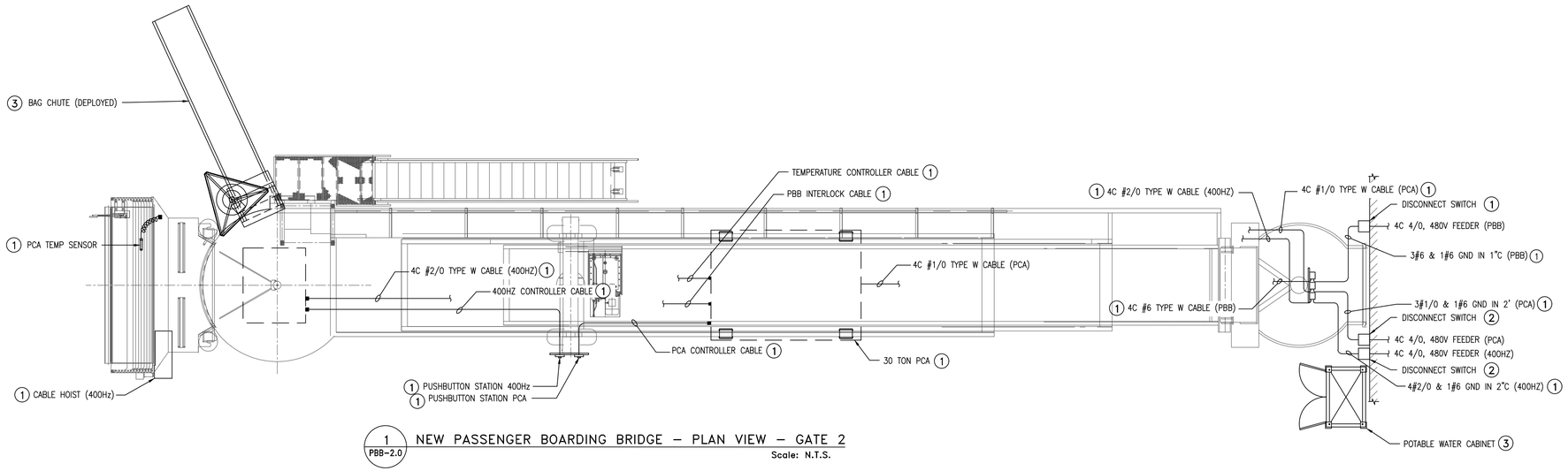
JACKSON, MS 39298

EXISTING PASSENGER BOARDING BRIDGE LAYOUT - GATE 2

JOB NO: 62960
DATE: 08/18/21
DRAWN: BWW
CHECKED: CRB
CAD FILE:

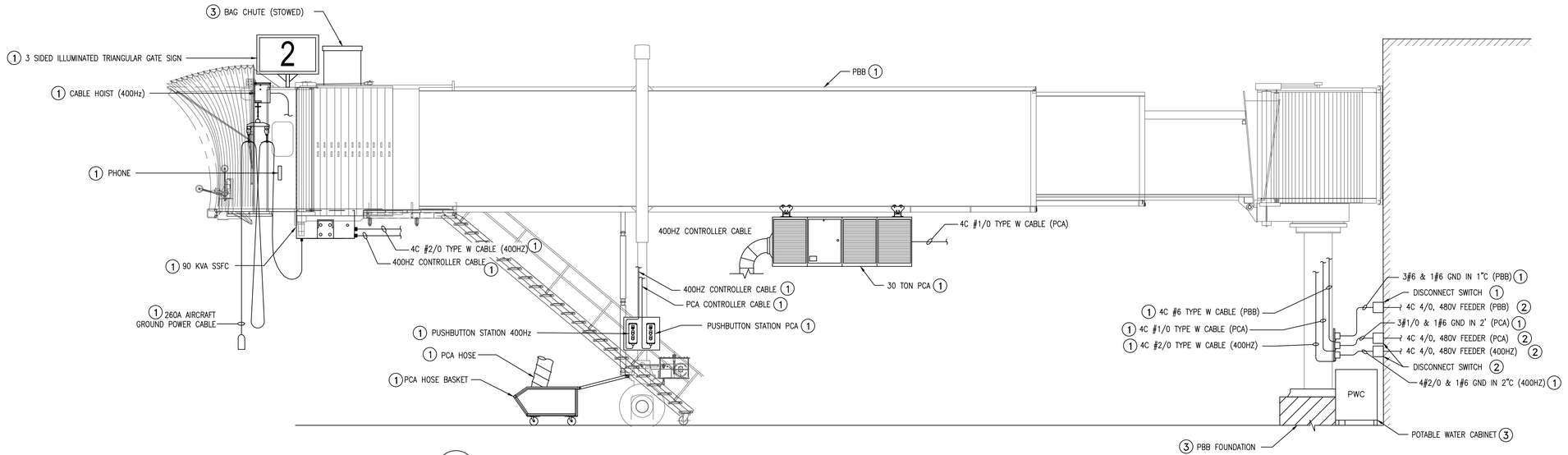
CHRISTOPHER BRITTON LICENCED PROFESSIONAL ENGINEER 30237 STATE OF MISSISSIPPI
8/18/21

PBB-1.0



1 PBB-2.0 NEW PASSENGER BOARDING BRIDGE – PLAN VIEW – GATE 2

Scale: N.T.S.



2 PBB-2.0 NEW PASSENGER BOARDING BRIDGE – ELEVATION VIEW – GATE 2

Scale: N.T.S.

LEGEND NOTES

1. NEW.
2. EXISTING TO REMAIN
3. RE-INSTALL ON (N) PBB.

SHEET NOTES

1. PATCH, PRIME, PAINT SURFACES AT ALL DEMOLITION POINTS TO MATCH EXISTING SURROUNDING SUBSTRATES. FIRE SEAL PENETRATIONS.
2. GRIND, PRIME AND PAINT SURFACE AT ALL WELDS. PAINT SHALL MATCH BRIDGE COLOR.
3. VERIFY EXACT LOCATION OF ALL EQUIPMENT/CONDUIT/CABLES, ETC. PRIOR TO INSTALLATION.
4. 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. THESE LIMITS SHALL BE THE MECHANICAL LIMITS OF THE BRIDGE AND CAB AS INSTALLED IRRESPECTIVE OF ELECTRICAL LIMIT SET POINTS.
5. 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.
6. 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. HOT WORK PERMIT REQUIRED DAILY FOR ANY AND ALL WELDING ACTIVITIES.
7. ALL CONTRACTOR FURNISHED EQUIPMENT INSTALLED ON BRIDGE SHALL BE PAINTED TO MATCH EXISTING BRIDGE COLOR BY INSTALLING CONTRACTOR.
8. 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.
9. ANY ITEMS NOTED AS BEING DISCARDED, SHALL ALTERNATIVELY BE REMOVED AND TURNED OVER TO THE OWNER AT THE OWNER'S DISCRETION. OWNER SHALL ALSO BE AFFORDED THE OPPORTUNITY TO REMOVE AND RETAIN ANY COMPONENT'S HE DESIRES TO MAINTAIN FOR SPARE PARTS. PROVIDE 72 HOURS NOTICE TO OWNER PRIOR TO DEMOLITION.
10. CONTRACTOR SHALL PROVIDE COMPLETE AND OPERATIONAL INSTALLATION.
11. SCHEDULE PRE-MOVE AND POST MOVE INSPECTIONS WITH THE OWNER. CORRECT ANY DAMAGE CAUSED BY CONTRACTOR.
12. NOT ALL EQUIPMENT, DEVICES, ETCETERA, SHOWN IN ALL VIEWS FOR CLARITY.
13. COORDINATE FLASHING INSTALLATION WITH SECURITY DEVICES INSTALLED. REMOVE AND REINSTALL AS NECESSARY.
14. SEE ELECTRICAL DRAWINGS FOR PANEL LOCATIONS.
15. 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.

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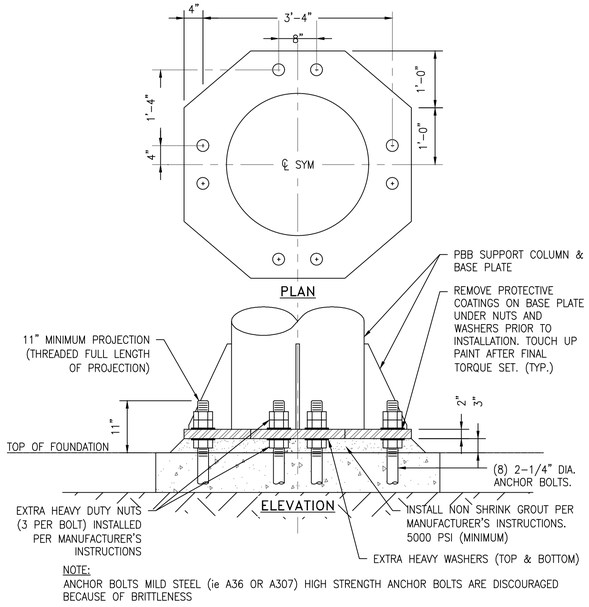
JACKSON, MS 39298

NEW PASSENGER BOARDING BRIDGE LAYOUT - GATE 2

JOB NO: 62960
DATE: 08/18/21
DRAWN: BWW
CHECKED: CRB
CAD FILE:

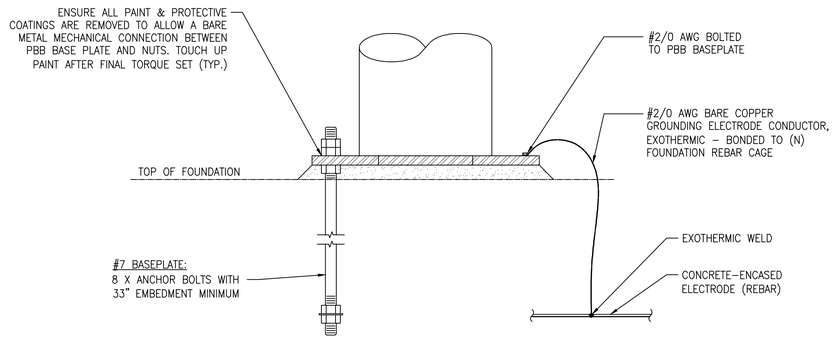
CHRISTOPHER BRITTON
LICENSED PROFESSIONAL
ENGINEER
30237
STATE OF MISSISSIPPI
8/18/21

PBB-2.0



NOTE:
ANCHOR BOLTS MILD STEEL (ie A36 OR A307) HIGH STRENGTH ANCHOR BOLTS ARE DISCOURAGED BECAUSE OF BRITTLENESS

1 PBB-3.1 PASSENGER BOARDING BRIDGE ANCHOR BOLT PATTERN (ROTUNDA)
SCALE: N.T.S. (1)



CONCRETE-ENCASED ELECTRODE (REBAR) NOTES:

1. TOTAL LENGTH OF ELECTRODE (REBAR) SHALL BE A MINIMUM OF 6m [20'].
2. ELECTRODE SHALL CONSIST OF ELECTRICALLY CONDUCTIVE COATED STEEL REBAR NOT LESS THAN 13mm [1/2"] DIAM. MULTIPLE PIECES SHALL BE CONNECTED TOGETHER BY STEEL TIE WIRES, EXOTHERMIC WELDING, WELDING, OR OTHER EFFECTIVE MEANS TO CREATE THE MINIMUM REQUIRED LENGTH OR GREATER.
3. REBAR SHALL BE ENCASED BY AT LEAST 50mm [2"] OF CONCRETE AND SHALL BE LOCATED HORIZONTALLY WITHIN A PORTION OF THE CONCRETE FOUNDATION THAT IS IN DIRECT CONTACT WITH THE EARTH, OR WITHIN VERTICAL FOUNDATIONS THAT ARE IN DIRECT CONTACT WITH THE EARTH.
4. SEE STRUCTURAL DRAWINGS FOR REBAR DETAILS.

2 PBB-3.1 PASSENGER BOARDING BRIDGE GROUNDING DETAIL
SCALE: N.T.S.

GENERAL NOTES

1. GRIND, PRIME AND PAINT SURFACE AT ALL WELDS. PAINT SHALL MATCH EXISTING BRIDGE COLOR.
2. VERIFY EXACT LOCATION OF ALL EQUIPMENT ETC. PRIOR TO INSTALLATION.
3. 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.
4. ALL EQUIPMENT INSTALLED ON BRIDGE SHALL BE PAINTED TO MATCH INSTALLED BRIDGE COLOR.
5. EQUIPMENT AND DETAILS SHOWN ARE A DESIGN INTENT ONLY. PROVIDE AND INSTALL 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.
6. VERIFY LOCATION AND SIZES OF ANCHOR BOLTS PRIOR TO INSTALLATION.
7. COORDINATE FLASHING INSTALLATION WITH SECURITY DEVICES INSTALLED. REMOVE AND REINSTALL AS NECESSARY.
8. ALL STRUCTURAL WELDING (ROTUNDA HAUNCHES AND COLUMNS) SHALL BE PERFORMED IN ACCORDANCE WITH AWS D1.1.
9. NON DESTRUCTIVE TESTING IN ACCORDANCE WITH AWS STANDARDS SHALL BE PERFORMED ON ALL STRUCTURAL COMPLETE JOINT PENETRATION, PARTIAL JOINT PENETRATION, AND FILLET WELDS.
10. ALL STRUCTURAL STEEL FABRICATION AND ERECTION SHALL BE PROVIDED IN ACCORDANCE WITH THE AISC MANUAL OF STEEL CONSTRUCTION, CURRENT EDITION.
11. ANY GALVANIZED METAL THAT IS CUT, DRILLED, GROUND, OR OTHERWISE MODIFIED SHALL BE COLD GALVANIZED.
12. SEE STRUCTURAL DRAWINGS FOR PBB FOUNDATION DETAILS.

LEGEND NOTES:

(1) ELEVATIONS AND DIMENSIONS ARE SHOWN AS A DESIGN INTENT ONLY. FIELD VERIFY ALL DIMENSIONS PRIOR TO EQUIPMENT MANUFACTURE OR INSTALLATION. DEVIATIONS MAY EXIST.

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JMAA JET BRIDGE 2

JACKSON MUNICIPAL AIRPORT AUTHORITY
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PASSENGER BOARDING BRIDGE DETAILS - PART ONE

JOB NO: 62960
DATE: 08/18/21
DRAWN: BWW
CHECKED: CRB
CAD FILE:

CHRISTOPHER R. BRITON
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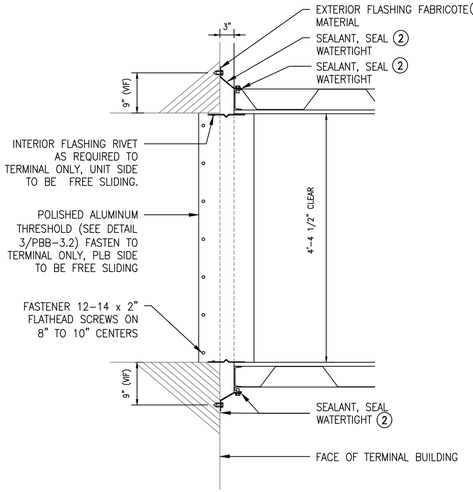
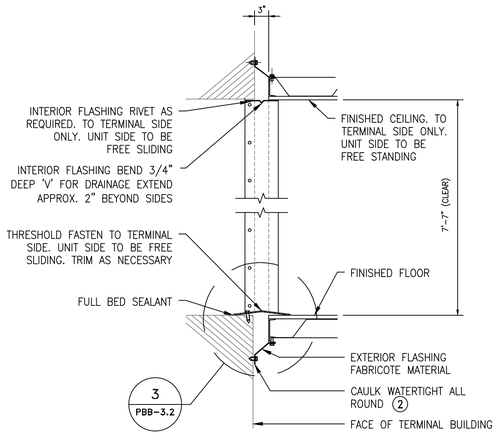
30237
STATE OF MISSISSIPPI
8/18/21

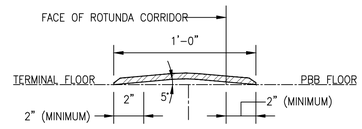
PBB-3.1



1 / PBB-3.2 — PBB/BUILDING INTERIOR & EXTERIOR FLASHING DETAIL – PLAN VIEW (BUILDING / PBB) SCALE: N.T.S. (3)

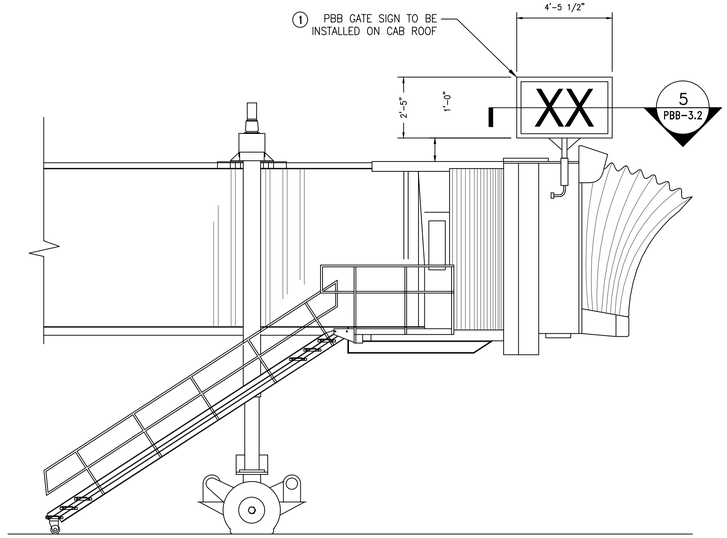


2 / PBB-3.2 — PBB/BUILDING INTERIOR & EXTERIOR FLASHING DETAIL – ELEVATION VIEW (BUILDING / PBB) SCALE: N.T.S. (3)

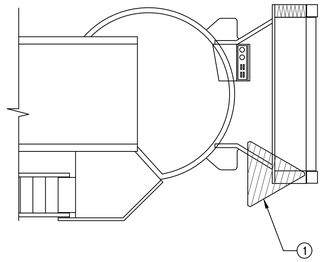


NOTE:
INSTALL THRESHOLD PLATE PER DETAILS IN MANUFACTURER'S PUBLISHED DATA.

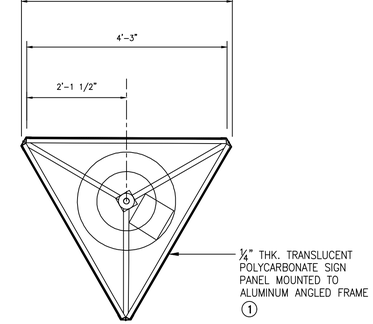
3 / PBB-3.2 — PBB THRESHOLD PLATE DETAIL SECTION VIEW SCALE: N.T.S. (3)



4 / PBB-3.2 — PBB GATE SIGN DETAIL ELEVATION VIEW SCALE: N.T.S.



5 / PBB-3.2 — PBB GATE SIGN DETAIL PLAN VIEW SCALE: N.T.S.



6 / PBB-3.2 — HORIZONTAL SECTION OF GATE SIGN PLAN VIEW SCALE: N.T.S.

GENERAL NOTES:

1. GRIND, PRIME AND PAINT SURFACE AT ALL WELDS. PAINT SHALL MATCH EXISTING BRIDGE COLOR.
2. VERIFY EXACT LOCATION OF ALL EQUIPMENT/CONDUIT/CABLES, ETC. PRIOR TO INSTALLATION.
3. 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.
4. 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.
5. 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.
6. ALL EQUIPMENT INSTALLED ON BRIDGE SHALL BE PAINTED TO MATCH INSTALLED BRIDGE COLOR.
7. ALL STRUCTURE WIELDING SHALL BE PAINTED TO MATCH INSTALLED BRIDGE COLOR.
8. COORDINATE FLASHING INSTALLATION WITH SECURITY DEVICES INSTALLED. REMOVE AND REINSTALL AS NECESSARY
9. DRILL 3/16" THROUGH HOLE & UTILIZE 3/16" X 5/8" RIVETS. SPACE EQUALLY 6-8" TO MATCH OVERALL DIMENSION.
10. INTERIOR FLASHING TO BE PAINT GRIP GALVANIZED 20GA. SHEET METAL PAINTED TO MATCH INTERIOR METALS FINISH.
11. EQUIPMENT AND DETAILS SHOWN ARE A DESIGN INTENT ONLY. PROVIDE AND INSTALL 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.
12. DETAIL SHOWN IS GENERIC IN NATURE. CONFIRM AND COORDINATE WITH ALL FIELD DETAILS.
13. ALL INTERIOR FLASHING TO BE FIELD FURNISHED, 24 GAUGE SHEET METAL, ELECTROLYTIC ZINC PLATED. FIELD MEASURE, BEND AND TRIM TO FIT EACH INSTALLATION. ATTACH TO TERMINAL AS SHOWN. FINISH PAINT TO MATCH UNIT.

LEGEND NOTES:

(1) MOUNTING BRACKETS AND ELECTRIC SERVICE ARE AN INTEGRAL COMPONENT OF NEW PBB.

(2) CLEAR SILICONE SEALANT, 3M OR APPROVED EQUIVALENT.

(3) ELEVATIONS AND DIMENSIONS ARE SHOWN AS A DESIGN INTENT ONLY. FIELD VERIFY ALL DIMENSIONS PRIOR TO EQUIPMENT MANUFACTURE OR INSTALLATION. DEVIATIONS MAY EXIST.

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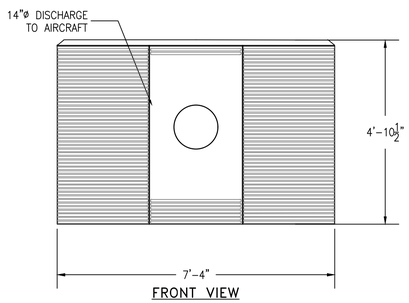
JMAA JET BRIDGE 2

JACKSON MUNICIPAL AIRPORT AUTHORITY
100 INTERNATIONAL DRIVE STE 300
JACKSON, MS 39298

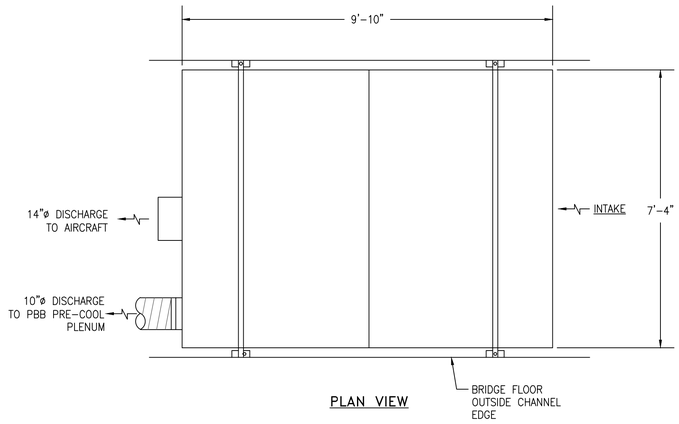
PASSENGER BOARDING BRIDGE DETAILS - PART TWO

JOB NO: 62960
DATE: 08/18/21
DRAWN: BWW
CHECKED: CRB
CAD FILE:

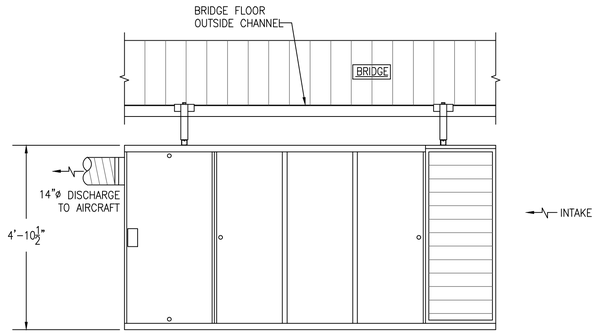
PBB-3.2



FRONT VIEW



PLAN VIEW



SIDE VIEW

1 / PBB-4.1 — 45 TON PCA DX UNIT INSTALLATION DETAILS

SCALE: 1:16

ISOMETRIC VIEW

2 / PBB-4.1 — PCA DX UNIT MOUNTING BRACKET DETAILS (TYP.)

SCALE: N.T.S.

GENERAL NOTES:

1. EQUIPMENT SHOWN IS A DESIGN INTENT ONLY. EQUIPMENT TO BE PROVIDED IN ACCORDANCE WITH THE SPECIFICATIONS AND DESIGN INTENT. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. SUBMIT FOR APPROVAL.
2. EQUIPMENT AND BRACKETS SHALL BE FACTORY PAINTED TO MATCH COLOR OF INSTALLED PBB.
3. INSTALLATION AND EQUIPMENT DESIGN SHALL NOT INTERFERE WITH ACCESS TO OTHER J-BOXES, DEVICES, ETC., ON THE PASSENGER BOARDING BRIDGE.
4. ANY REFERENCE TO TONNAGE IS FOR CONVENIENCE ONLY. ALL PCA UNITS SHALL MEET THE PERFORMANCE REQUIREMENTS IN THE SPECIFICATIONS.
5. PCA UNIT SHALL BE INTERLOCKED WITH PBB TO PREVENT PBB HORIZONTAL MOTION ANYTIME THE UNIT IS OPERATING IN AIRCRAFT MODE. PROVIDE & INSTALL (N) AS NECESSARY.
6. PROVIDE & INSTALL METERING DEVICES PER THE SPECIFICATIONS.
7. SEE DRAWING PBB-5.1 FOR PUSHBUTTON DETAILS.

SHEET NOTES:

(1) AT GATES RECEIVING (N) PCA UNITS, PBB PRE-COOL SHALL REQUIRE THE INSTALLATION OF PRE-COOL/HEAT "ON" AND "OFF" PUSH BUTTONS AT THE OPERATOR'S CONSOLE. PRE-COOL/HEAT SHALL BE ACTIVATED BY PRESSING THE PRE-COOL/HEAT "ON" BUTTON AT THE OPERATOR'S CONSOLE. PRE-COOL/HEAT SHALL BE DEACTIVATED BY PRESSING THE PRE-COOL/HEAT "OFF" BUTTON AT THE OPERATOR'S CONSOLE OR BY ACTIVATING AIRCRAFT COOL/HEAT MODE AT THE RAMP LOCATED PUSH BUTTON STATION. PRE-COOL/HEAT SHALL AUTOMATICALLY SHUT DOWN AFTER 1 HOUR OF OPERATION.

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JMAA JET BRIDGE 2

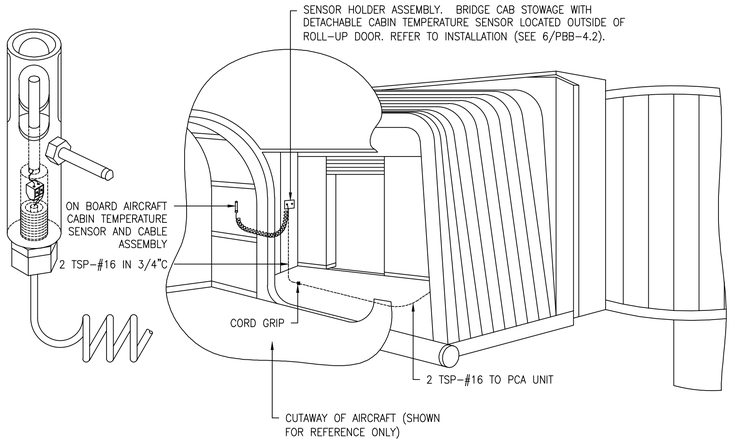
JACKSON MUNICIPAL AIRPORT AUTHORITY
100 INTERNATIONAL DRIVE STE 300
JACKSON, MS 39298

NEW PCA DETAILS - PART ONE

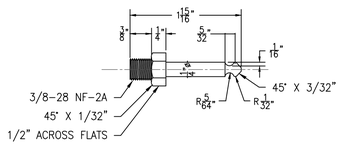
JOB NO: 62960
DATE: 08/18/21
DRAWN: BWW
CHECKED: CRB
CAD FILE:

CHRISTOPHER BRITTON
LICENSED PROFESSIONAL
ENGINEER
30237
STATE OF MISSISSIPPI
8/18/21

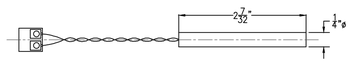
PBB-4.1



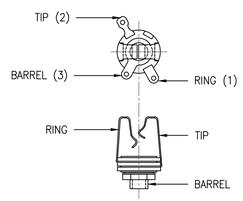
1 PBB-4.2 CABIN TEMPERATURE ADJUSTMENT LOCATION DETAIL
(VIEW FROM AIRCRAFT CAB IN DOOR TOWARD GATE) SCALE: N.T.S.



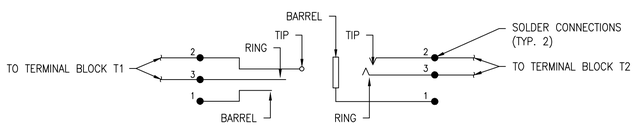
2 PBB-4.2 PHONE PLUG DETAIL
SCALE: N.T.S.



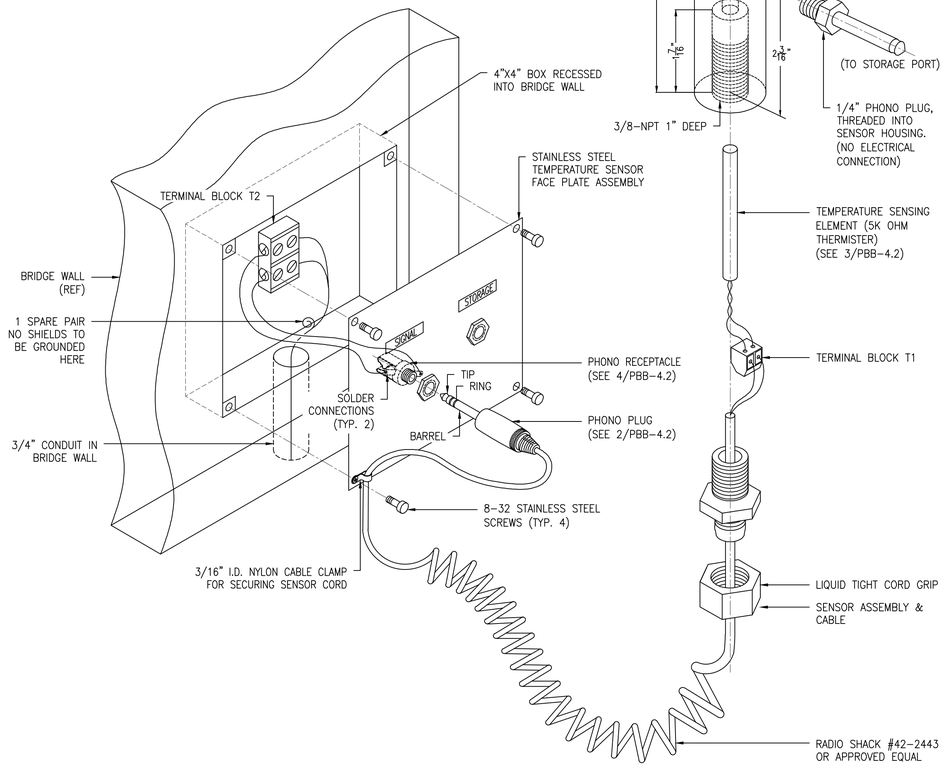
3 PBB-4.2 TEMPERATURE SENSING ELEMENTS DETAIL
PART NO. MAMAC TE-205-E-7E2 W/OUT HANDI BOX SCALE: N.T.S.



4 PBB-4.2 PHONO RECEPTACLE DETAIL
PART NO. RADIO SHACK 274-312B SCALE: N.T.S.



5 PBB-4.2 PLUG / RECEPTACLE SCHEMATIC
SCALE: N.T.S.



6 PBB-4.2 SENSOR INSTALL DETAIL
SCALE: N.T.S.

GENERAL NOTES:

1. LAYOUT SHOWN IS A DESIGN INTENT ONLY. PROVIDE, INSTALL AND COMMISSION IN ACCORDANCE WITH THE DESIGN INTENT AND SPECIFICATIONS. SUBMIT EQUIPMENT LAYOUT DRAWINGS FOR APPROVAL.

SHEET NOTES:

(1) PROVIDE & INSTALL NEW.

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NEW PCA DETAILS - PART TWO

JOB NO: 62960
DATE: 08/18/21
DRAWN: BWW
CHECKED: CRB
CAD FILE:

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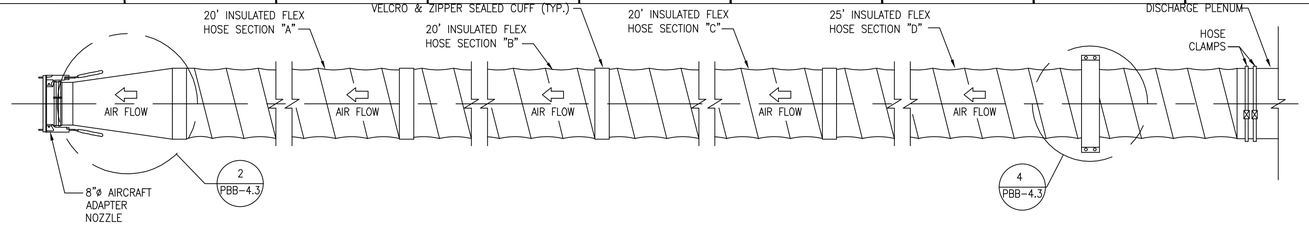
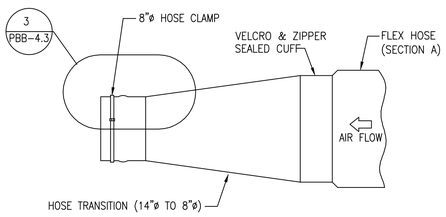
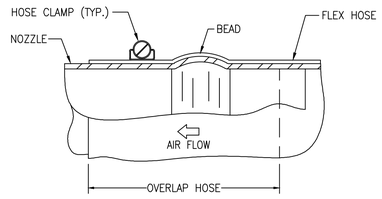
PBB-4.2



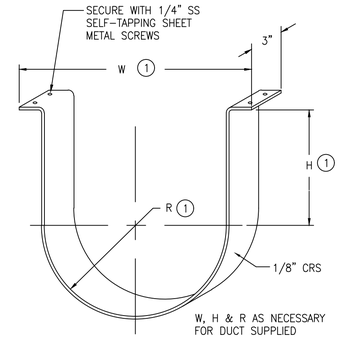
1 PBB-4.3 PCA HOSE CONFIGURATION – 14"ø (3)(4)
Scale: N.T.S



2 PBB-4.3 14" TO 8" FLEXIBLE HOSE REDUCER DETAIL
Scale: N.T.S



3 PBB-4.3 FLEXIBLE HOSE TERMINATION DETAIL
Scale: N.T.S



4 PBB-4.3 DUCT SUPPORT DETAIL
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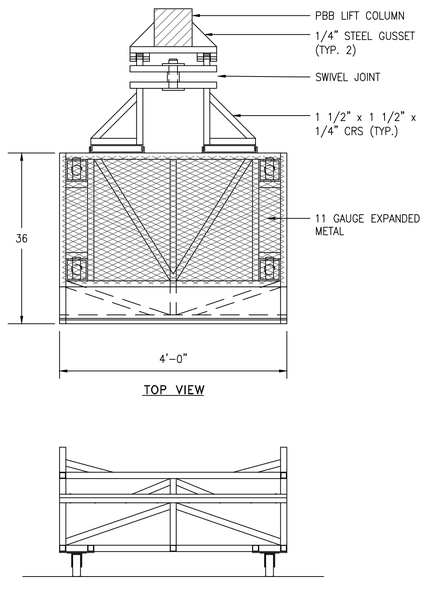

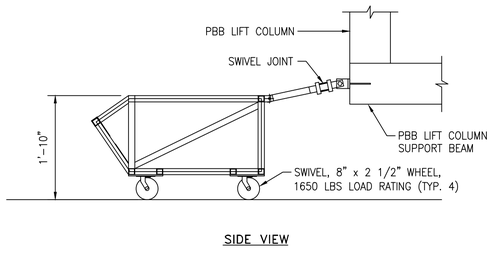

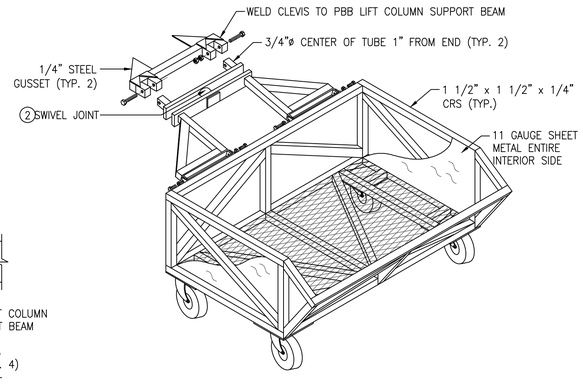

5 PBB-4.3 PCA HOSE CART DETAIL (2)
Scale: N.T.S

GENERAL NOTES:

1. 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.
2. ALL EQUIPMENT CORNERS AND EDGES SHALL BE BEVELED AS NECESSARY, TO REMOVE BURS AND SHARP EDGES.
3. LAYOUT SHOWN IS A DESIGN INTENT ONLY. PROVIDE, INSTALL AND COMMISSION IN ACCORDANCE WITH THE DESIGN INTENT AND SPECIFICATIONS. SUBMIT EQUIPMENT LAYOUT DRAWINGS FOR APPROVAL.
4. INSTALLATION AND EQUIPMENT DESIGN SHALL NOT INTERFERE WITH ACCESS TO OTHER J-BOXES, DEVICES, ETC., ON THE PASSENGER BOARDING BRIDGE.
5. GRIND, PRIME AND TOUCH UP PAINT ALL WELDS.
6. PCA HOSES, ELBOWS, DUCTS, ETCETERA SHALL BE INSTALLED IN SUCH A MANNER SO AS NOT TO RESTRICT AIR FLOW THROUGHOUT THE OPERATIONAL RANGE OF THE PBB.

SHEET NOTES:

(1) AS REQUIRED FOR HOSE PROVIDED.

(2) HOSE CART SHOWN IS A DESIGN INTENT. SUBMIT DETAILS FOR APPROVAL. PROVIDE SWIVEL JOINTS SUCH THAT BASKET CAN PIVOT AS NECESSARY TO ACCOMMODATE SLOPING LIFT COLUMNS AND SLOPING RAMPS.

(3) HOSE LENGTH INDICATED IS A MINIMUM LENGTH ONLY. PROVIDE SUFFICIENT OUTPUT HOSE TO REACH THE PCA SERVICE PORT OF ALL AIRCRAFT THAT PARK AT EACH GATE

(4) PCA HOSE SHALL HAVE VELCRO & ZIPPER CUFFS AT EACH CONNECTION.

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NEW PCA DETAILS - PART THREE

JOB NO: 62960
DATE: 08/18/21
DRAWN: BWW
CHECKED: CRB
CAD FILE:

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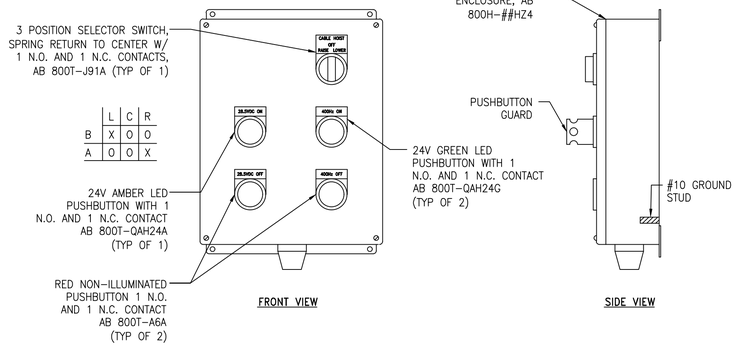
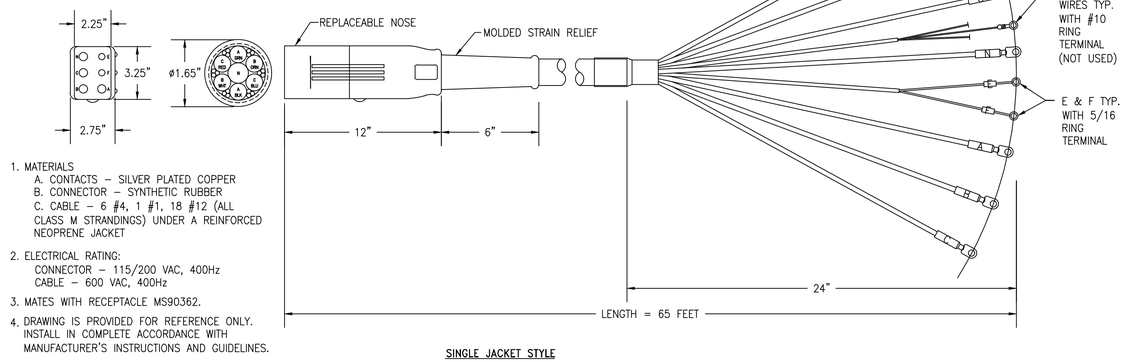
8/18/21

PBB-4.3



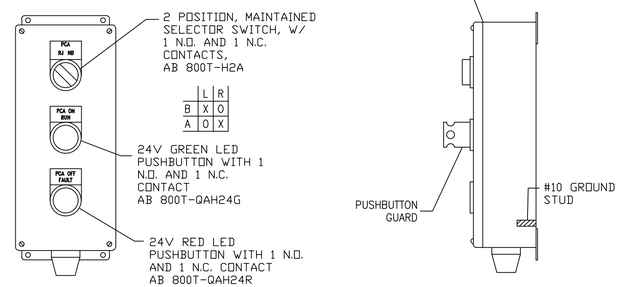
1 PBB-5.1 NEW 400HZ & 20VDC PUSHBUTTON STATION – TYPE A

SCALE: N.T.S.



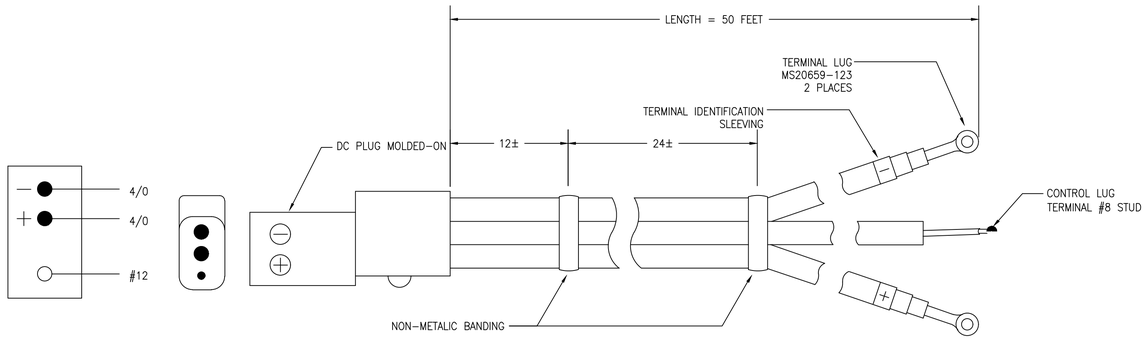
2 PBB-5.1 NEW 400HZ AIRCRAFT GROUND POWER CABLE DETAIL – TYPE A

SCALE: N.T.S.



3 PBB-5.1 NEW PCA PUSHBUTON STATION – TYPE B

SCALE: N.T.S.



4 PBB-5.1 NEW 28.5VDC AIRCRAFT GROUND POWER CABLE DETAIL – TYPE B

SCALE: N.T.S.

GENERAL NOTES:

1. LEGEND PLATES SHALL BE METAL AND SHALL BE ENGRAVED AS INDICATED, AND SHALL BE OF THE TYPE CAPTURED BETWEEN ENCLOSURE AND PUSHBUTTON LOCK RING. ENGRAVINGS SHALL BE PAINTED TO PROVIDE A HIGH CONTRAST BETWEEN THE LETTERING AND THE BACKGROUND.
2. ALL WIRE TERMINATIONS SHALL BE LABELED IN ACCORDANCE WITH THE SPECIFICATIONS.
3. ALL CONTROLLERS AND MOUNTING PLATES SHALL BE INSTALLED IN SUCH A MANNER AS TO ALLOW FOR FULL BRIDGE DESIGN MOVEMENT AND SHALL BE COORDINATED SUCH THAT OPERATION DOES NOT INTERFERE WITH HOSE BASKET OR OTHER ANCILLARY EQUIPMENT.
4. PROVIDE AND INSTALL A PUSHBUTTON MOUNTING PLATE OF SUFFICIENT SIZE TO ALLOW MOUNTING OF THE INDICATED PUSHBUTTON STATION.
5. ALL PUSHBUTTON ENCLOSURES AND DEVICES TO BE ALLEN BRADLEY OR EQUIVALENT.
6. LAYOUT SHOWN IS A DESIGN INTENT ONLY. PROVIDE, INSTALL AND COMMISSION A COMPLETE AND OPERABLE SYSTEM IN ACCORDANCE WITH THE DESIGN INTENT AND SPECIFICATIONS. SUBMIT EQUIPMENT LAYOUT DRAWINGS FOR APPROVAL.
7. PUSHBUTTONS SHOWN ARE FOR NEW PUSHBUTTON STATIONS ONLY.
8. CABLE LENGTHS SHOWN ARE A DESIGN INTENT ONLY. PROVIDE CABLES OF SUFFICIENT LENGTH TO SERVICE ALL AIRCRAFT PARKED AT THE GATE.
9. 400HZ INCLUDED AS AN ADD-ALTERNATE.

PUSHBUTTON AND AIRCRAFT GROUND POWER CABLE SCHEDULE

GATE No.	PUSHBUTTON TYPE		A/C CABLES	
	400HZ	PCA	QTY	TYPE
2	A	B	2	(1)A,(1)B

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PUSHBUTTON DETAILS AND AIRCRAFT CABLE DETAILS

JOB NO: 62960
DATE: 08/18/21
DRAWN: BWW
CHECKED: CRB
CAD FILE:

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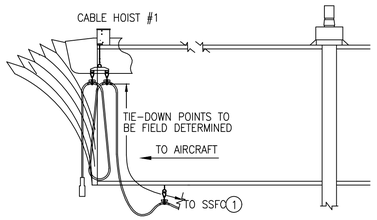
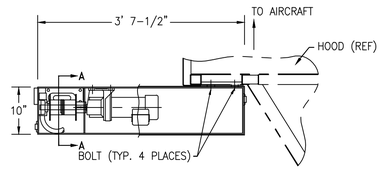
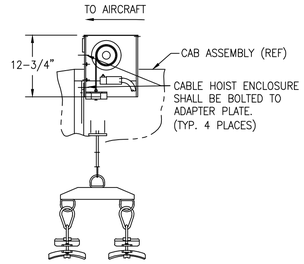
PBB-5.1



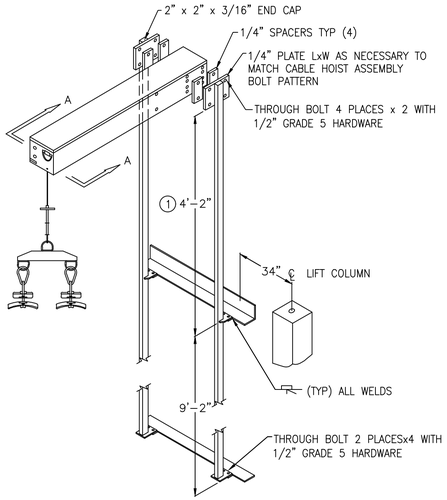
1 PBB-5.2 CABLE HOIST INSTALLATION – ELEVATION VIEW
(GATE 2) SCALE: N.T.S.



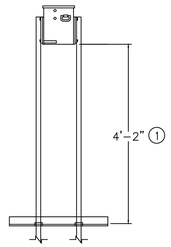
2 PBB-5.2 CABLE HOIST INSTALLATION – TOP VIEW
(GATE 2) SCALE: N.T.S.



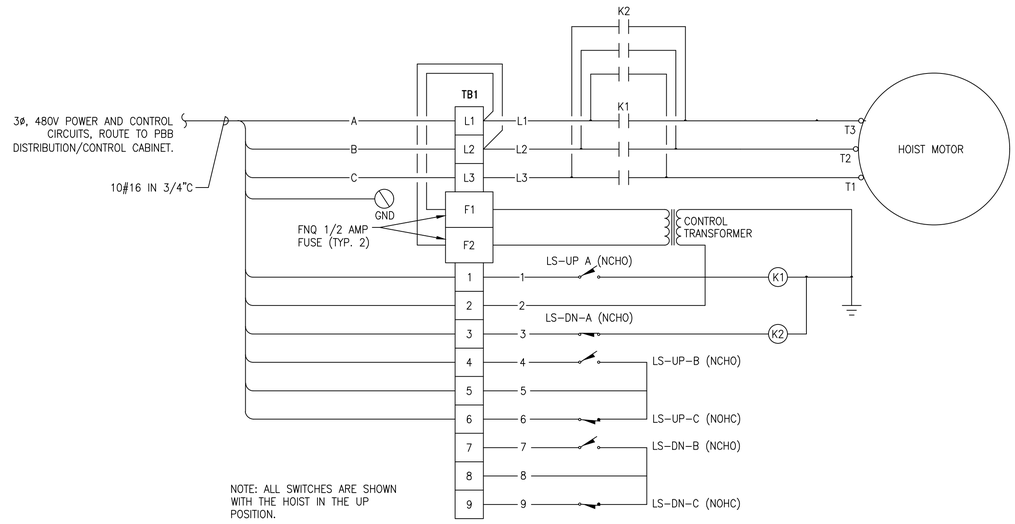
3 PBB-5.2 CABLE HOIST #1 INSTALLATION – SECTION VIEW
(GATE 2) SCALE: N.T.S.



4 PBB-5.2 CABLE HOIST #2 INSTALLATION
(GATE 2) SCALE: N.T.S.



5 PBB-5.2 CABLE HOIST #2 INSTALLATION – SECTION A–A
(GATE 2) SCALE: N.T.S.



6 PBB-5.2 NEW CABLE HOIST WIRING DIAGRAM (2)
(GATE 2) SCALE: N.T.S.

GENERAL NOTES:

1. THIS DRAWING REPRESENTS A TYPICAL CABLE HOIST INSTALLATION. VERIFY CONDITIONS PRIOR TO INSTALLATION OF NEW CABLE HOISTS.
2. 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.
3. FURNISH ALL MISCELLANEOUS BOLTS, NUTS, WASHERS ETC. AS NECESSARY. ALL HARDWARE TO BE STAINLESS STEEL.
4. INSTALL CABLE HOISTS USING BRACKETS AND HARDWARE PROVIDED BY THE MANUFACTURER. DETAILS SHOWN FOR REFERENCE ONLY. REFER TO MANUFACTURER'S PUBLISHED DATA FOR ACTUAL INSTALLATION DETAILS AND INSTRUCTIONS. SUBMIT ALL DETAILS FOR APPROVAL.
5. GRIND ALL WELDS SMOOTH, PRIME AND PAINT ENTIRE BRACKET TO MATCH BRIDGE. TOUCH UP PAINT ANY SURFACES BLEMISHED DURING INSTALLATION.
6. EQUIPMENT LAYOUT IS BASED ON SPECIFIC MANUFACTURERS, AND IS SUBJECT TO CHANGE. FIELD VERIFY DIMENSIONS OF ALL EQUIPMENT PRIOR TO INSTALLATION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
7. ALL EQUIPMENT AND BRACKETS INSTALLED ON BRIDGE SHALL BE PAINTED TO MATCH THE INSTALLED PBB.
8. PREPARE, PATCH, PRIME AND PAINT AS NECESSARY ALL POINTS OF DEMOLITION TO MATCH SURROUNDING SUBSTRATES.
9. MISCELLANEOUS EXISTING BRACKETS MAY BE RE-USED TO THE EXTENT THEY ARE COMPATIBLE WITH EQUIPMENT THEY ARE UTILIZED WITH. ANY BRACKETS THAT ARE RE-USED SHALL BE PREPARED, PRIMED & PAINTED TO MATCH PBB AND SHALL BE EQUIVALENT IN QUALITY, FUNCTION & FINISH AS IF NEW.
10. CABLE HOIST DETAILS INCLUDED AS AN ADD-ALTERNATE.

SHEET NOTES:

(1) ATTACH AIRCRAFT CABLE TO PBB IN A MANNER SUCH AS TO PREVENT INTERFERENCE WITH HOSE REELS AND OTHER APPURTENANCES.

(2) SCHEMATIC SHOWN FOR A TYPICAL INSTALLATION ONLY. SUBMIT ACTUAL SCHEMATICS WITH PBB SUBMITTAL PACKAGE. LIMIT SWITCHES SHALL FUNCTION AS NECESSARY TO PROVIDE INTERLOCKS AS REQUIRED.

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CABLE HOIST DETAILS - GATE 2

JOB NO: 62960
DATE: 08/18/21
DRAWN: BWW
CHECKED: CRB
CAD FILE:

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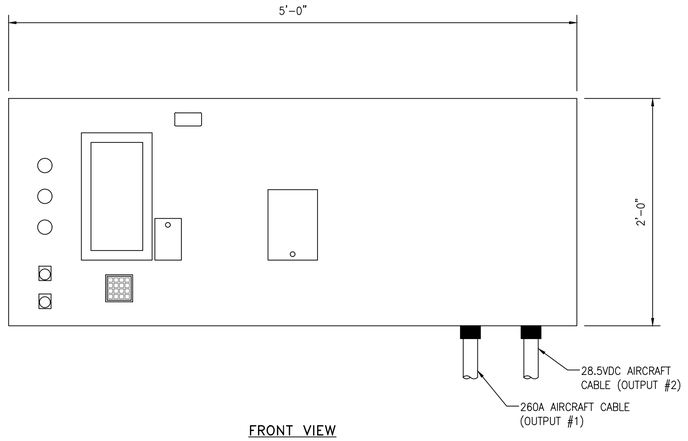
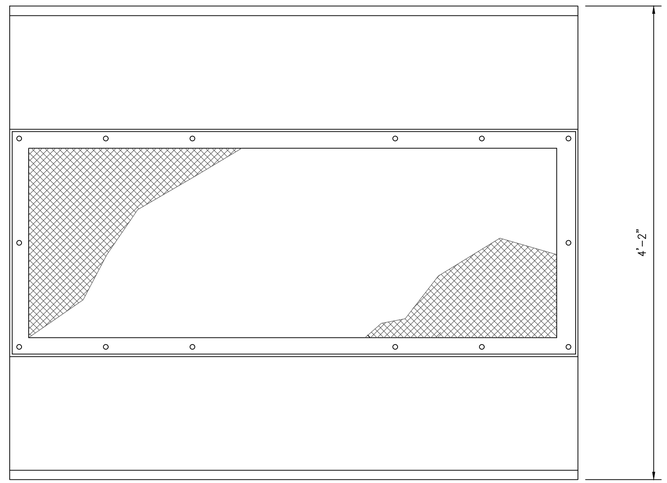
PBB-5.2



FRONT VIEW

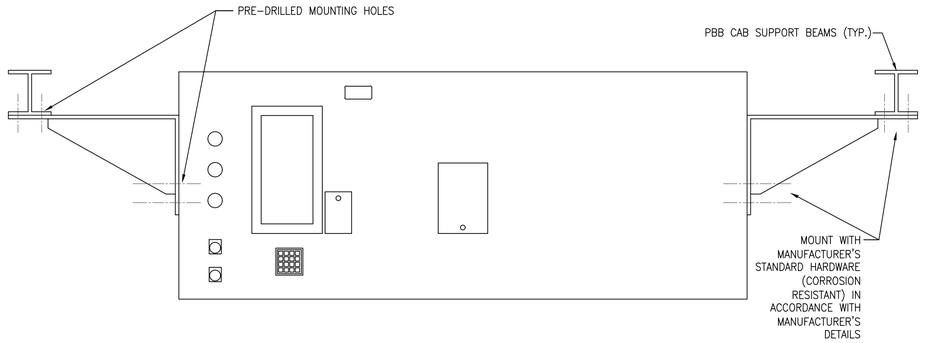


BOTTOM VIEW

1 / PBB-5.3 — 90KVA/28VDC SOLID STATE FREQUENCY CONVERTER

WEIGHT: 90KVA – APPROXIMATELY 1200 LBS.

SCALE: N.T.S.



CAB END OF BRIDGE FRONT VIEW (FACING BUILDING)

2 / PBB-5.3 — 90KVA SSFC PBB MOUNTING BRACKETS – GATE 2

SCALE: N.T.S.

GENERAL NOTES:

1. 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.
2. ATTACH AIRCRAFT CABLE TO SSFC UTILIZING WIRE MESH STRAIN RELIEF.
3. DRAWING ISSUED FOR REFERENCE ONLY. INSTALLATION TO BE PROVIDED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION DETAILS. SUBMIT INSTALLATION DETAILS FOR APPROVAL.
4. SSFC AND MOUNTING BRACKETS SHALL BE FACTORY PAINTED TO MATCH THE PBB INSTALLED.
5. INSTALLATION AND EQUIPMENT DESIGN SHALL NOT INTERFERE WITH ACCESS TO OTHER J-BOXES, DEVICES, ETC., ON THE PASSENGER BOARDING BRIDGE.

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400HZ EQUIPMENT DETAILS

JOB NO: 62960
DATE: 08/18/21
DRAWN: BWW
CHECKED: CRB
CAD FILE:

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PBB-5.3

STRUCTURAL GENERAL NOTES

ABBREVIATIONS

ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
APPROX	APPROXIMATE(LY)
BC	BOTTOM CHORD
BLDG	BUILDING
BM	BEAM
BTM	BOTTOM
BP	BASE PLATE
BRG	BEARING
BS	BOTH SIDES
BW	BOTH WAYS
C	COMPRESSION
CHNL	CHANNEL
CJ	CONSTRUCTION JOINT
CL	CENTERLINE
CLR	CLEAR OR CLEARANCE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
D	DEPTH
DIA,Ø	DIAMETER
DIM	DIMENSION
DWG	DRAWING
DWL	DOWEL
EA	EACH
EF	EACH FACE
ELEC	ELECTRICAL
ELEV	ELEVATION
EMBED	EMBEDMENT
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FND	FOUNDATION
FFE	FINISHED FLOOR ELEVATION
FP	FULL PENETRATION
FS	FAR SIDE
FTG	FOOTING
GALV	GALVANIZED
HORIZ	HORIZONTAL
INT	INTERIOR
KSI	KIPS PER SQUARE INCH
LB,#	POUNDS
LD	DEVELOPMENT LENGTH
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
MANUF	MANUFACTURER
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEZZ	MEZZANINE
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	METAL
N/A	NOT APPLICABLE
NS	NEAR SIDE
NTS	NOT TO SCALE
O.C.	ON CENTER
OF	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
PERP	PERPENDICULAR
PL	PLATE
PRELIM	PRELIMINARY
PROJ	PROJECTION
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
RAD	RADIUS
RD	ROOF DRAIN
REINF	REINFORCING (-ED, -MENT)
REQ'D	REQUIRED
REV	REVISION
SCHED	SCHEDULE(D)
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATIONS(S)
SQ	SQUARE
SS	STAINLESS STEEL
STRUCT	STRUCTURE
SYM	SYMMETRICAL
T	TOP, TENSION
T/,T.O.	TOP OF
T/CONC	TOP OF CONCRETE
T/FTG	TOP OF FOOTING
T/SLAB	TOP OF SLAB
T&B	TOP & BOTTOM
TEMP	TEMPERATURE
THK	THICKNESS
TOS	TOP OF STEEL
TOW	TOP OF WALL
TRNV	TRANSVERSE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W/	WITH
W/O	WITHOUT
WP	WORK POINT

A. DESIGN CRITERIA

1. 2015 INTERNATIONAL BUILDING CODE (IBC)

2. LIVE LOADS(REDUCED AS ALLOWED BY BUILDING CODE):
   A. ROOF LIVE: 20 PSF (REDUCED BY SLOPE OR AREA)

3. DEAD LOADS:
   A. ROOF: 21 PSF

4. SNOW LOADS:
   A. GROUND SNOW LOAD: 10 PSF

5. WIND LOADS:
   (REF THYSSEN KRIPP AIRPORT SYSTEMS CUTSHEET DATED 07/02/20)
   A. ULTIMATE WIND SPEED (3 SECOND GUST): 115 MPH
   B. WIND IMPORTANCE FACTOR: 1.0
   C. WIND EXPOSURE: C
   D. INTERNAL PRESSURE COEFFICIENT: ± 0.18

6. SEISMIC LOADS (N32.31086°, W90.07411°)
   (REF THYSSEN KRUPP AIRPORT SYSTEMS CUTSHEET DATED 07/02/20)
   A. RISK CATEGORY: II
   B. MAPPED SPECTRAL RESPONSE COEFFICIENTS: $S_S = 0.14$
   C. DESIGN SPECTRAL RESPONSE COEFFICIENTS: $S_{DS} = 0.15$
   D. SOIL SITE CLASS: D
   E. SEISMIC IMPORTANCE FACTOR: $I_e = 1.00$
   F. SEISMIC RESPONSE COEFFICIENT: $C_s = 0.06$
   G. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

B. GENERAL NOTES

1. NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF THE OWNER, CONTRACTOR, ARCHITECT, ENGINEER, SUPPLIER, OR ANY OF THE CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS, NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE STRUCTURAL ENGINEER OF RECORD (S.E.R.) OR ANY OF THE S.E.R.'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.

2. REFERENCE TO STANDARD SPECIFICATIONS (CONCERNING STRUCTURAL DESIGN) OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD CODES, SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE.

3. NOTES AND SPECIFIC DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. CONTACT THE ARCHITECT / ENGINEER FOR A DETERMINATION OF INTENT BEFORE PROCEEDING WITH RELATED WORK IF THERE IS ANY DISCREPANCY OR QUESTION REGARDING WHICH NOTE TO FOLLOW.

4. FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS, SEE THE ARCHITECTURAL DRAWINGS.

5. MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE REFERENCED BUILDING CODE.

6. SHOP DRAWING APPROVAL IS ONLY FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOB SITE; INFORMATION THAT PERTAINS SOLEY TO THE FABRICATION PROCESS OR TO THE MEANS AND METHODS OF CONSTRUCTION; COORDINATION OF THE WORK OF ALL TRADES; AND PERFORMING ALL WORK IN A SAFE SATISFACTORY MANNER. SHOP DRAWING APPROVAL DOES NOT MODIFY THE CONTRACTOR'S DUTY TO COMPLY WITH THE CONTRACT DOCUMENTS.

7. SUBMITTAL REVIEWS BY ALLEN & HOSHALL ARE ONLY FOR GENERAL CONFORMANCE TO THE CONTRACT DOCUMENTS AND ONLY THAT WHICH REMAINS WITHIN THE AGREED UPON SCOPE OF WORK. THE TECHNICAL DESIGN OF THIRD-PARTY SYSTEMS USED FOR CONSTRUCTION MEANS AND METHODS SHALL BE REVIEWED AND DESIGNED BY A DIRECT REPRESENTATIVE OF THE CONTRACTOR. ALLEN & HOSHALL MAINTAINS NO RESPONSIBILITY FOR THE DESIGN OF MEANS AND METHODS AND SHALL ACKNOWLEDGE SUBMITTALS OR REQUESTS FOR INFORMATION IN KIND AS "FOR INFORMATION ONLY" TO BE VERIFIED BY THE CONTRACTOR OR DIRECT REPRESENTATIVE OPERATING SAID MEANS AND METHODS.

8. CONTRACTOR SHALL MAKE PROVISION FOR REVIEW TIME OF ALL SUBMITTALS SUBMITTED TO ALLEN & HOSHALL OF NO LESS THAN 10 WORKING DAYS (14 CALENDAR DAYS) FROM THE DATE OF DELIVERY TO ALLEN & HOSHALL.

9. SUBMITTALS SHALL BE REPRESENTATIVE OF THE CONTRACTOR'S INTERPRETATION OF THE CONTRACT DOCUMENTS TO ENSURE UNDERSTANDING OF THE PROJECT REQUIREMENTS. ANY SUBMITTALS WITH INFORMATION INDICATING TRANSFERENCE, COPYING, OR ANY OTHER FORM OF DUPLICATION OF DETAILS PRESENTED ON THE CONTRACT DOCUMENTS AS THEIR OWN SHALL BE RETURNED FOR REVISION.

C. CONTRACT DOCUMENTS

1. CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE STRUCTURAL DOCUMENTS (DRAWINGS AND SPECIFICATIONS), BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR.

2. IN THE EVENT CONTRACT DOCUMENTS CONFLICT WITH THE CODE OF PRACTICE OR SPECIFICATIONS OF ACI, PCI, AISC, AISI, SJI OR OTHER STANDARDS, CONTACT STRUCTURAL ENGINEER FOR CLARIFICATION.

3. THE CONTRACTOR SHALL COORDINATE THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL WORKS WITH THE STRUCTURAL CONTRACT DOCUMENTS. THE ARCHITECT/ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY DISCREPANCIES OR OMMISIONS.

4. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY, IN WRITING, THE STRUCTURAL ENGINEER OF CONDITIONS ENCOUNTERED IN THE FIELD THAT ARE CONTRADICTORY TO THOSE SHOWN ON THE CONTRACT DOCUMENTS.

D. CONTRACTOR RESPONSIBILITIES

1. CONTRACTOR SHALL COORDINATE THE STRUCTURAL DOCUMENTS WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND VENDOR DOCUMENTS. ARCHITECT/STRUCTURAL ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY DISCREPANCY OR OMISSION.

2. CONTRACTOR SHALL IMMEDIATELY UPON NOTICE TO PROCEED VERIFY THE DIMENSIONS, ELEVATIONS AND SITE CONDITIONS BEFORE STARTING WORK. ARCHITECT/STRUCTURAL ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY DISCREPANCY.

3. CONTRACTOR SHALL VERIFY THE STRUCTURALLY SUPPORTED MECHANICAL EQUIPMENT WEIGHTS, OPENING SIZES AND LOCATIONS IDENTIFIED ON THE STRUCTURAL DRAWINGS WITH ARCHITECTURAL, PLUMBING AND MECHANICAL DRAWINGS.

4. CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.

5. CONTRACTOR HAS SOLE RESPONSIBILITY FOR THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC.

6. CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHA SAFETY REGULATIONS.

E. FOUNDATIONS

1. FOUNDATIONS ARE DESIGNED BASED UPON SOIL BEARING CAPACITIES AS STATED BELOW. FOUNDATION DESIGNS SUBJECT TO CHANGE UPON RECEIPT AND REVIEW OF THE REQUESTED GEOTECHNICAL REPORT

2. ALLOWABLE SOIL BEARING PRESSURES USED IN DESIGN:
   A. SPREAD FOOTINGS: _____ PSF
   B. CONTINUOUS FOOTINGS: _____ PSF

3. FOOTING EXCAVATIONS SHALL BE OBSERVED AND TESTED BY AN EXPERIENCED GEOTECHNICAL ENGINEER PRIOR TO STEEL OR CONCRETE PLACEMENT IN ORDER TO ASSESS THAT THE FOUNDATION MATERIALS ARE CONSISTENT WITH ABOVE STATED ASSUMED SOIL BEARING CAPACITIES.

4. IN THE EVENT THAT THE SOILS TEST RESULTS ARE DISAPPROVED, FOOTING EXCAVATIONS SHALL BE UNDERCUT (UNDER THE DIRECTION OF THE SOILS ENGINEER) UNTIL SOILS OF ADEQUATE BEARDING CAPACITY ARE ENCOUNTERED. BACKFILL UNDER FOOTINGS SHALL CONSIST OF CONCRETE F'C = 2500 PSI @ 28 DAYS PLACED UP TO THE PROPOSED BOTTOM OF FOOTING ELEVATION.

5. FOOTINGS SHALL BEAR ON UNDISTURBED RESIDUAL SOILS OR COMPACTED FILL, MAXIMUM DENSITY OF 98% ASTM D-698.

6. FOOTING ELEVATIONS SHOWN ON THE PLANS ARE FOR ESTIMATING PURPOSES ONLY. ACTUAL FOOTING ELEVATIONS SHALL BE DETERMINED BY THE CONTRACTOR AT THE SITE AND SHALL BE A MINIMUM OF 12" BELOW FINISHED GRADE.

7. ALL WATER SHALL BE REMOVED FROM FOUNDATION EXCAVATIONS PRIOR TO PLACING OF CONCRETE. IF BOTTOMS OF TRENCHES BECOME SOFTENED DUE TO WATER BEFORE FOOTINGS ARE CAST, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL EXCAVATE THE SOFTENED MATERIAL AND REPLACE WITH CONCRETE.

8. ALL PIPES (WATER LINES, SEWER LINES, ETC.) AND CONDUITS RUNNING THROUGH WALLS / SLABS SHALL BE PROTECTED WITH ½" EXPANSION MATERIAL.

9. REFER TO CIVIL PLANS FOR LIMITS OF EXCAVATION.

F. CONCRETE

1. ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (ACI 318), LATEST EDITION WITH MODIFICATIONS AS NOTED IN THE DRAWINGS OR SPECIFICATIONS.

2. CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY AND APPROVED BY THE STRUCTURAL ENGINEER.

3. ALL EXPOSED CORNERS OR EDGES OF COLUMNS, PIERS, WALLS, ETC., SHALL BE FORMED WITH A 3/4" CHAMFER UNLESS NOTED OTHERWISE ON STRUCTURAL OR ARCHITECTURAL DRAWINGS.

4. ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.

5. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING CONCRETE. DO NOT CUT ANY REINFORCING THAT MAY CONFLICT. CORING IS NOT PERMITTED EXCEPT AS SHOWN. NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS.

6. CONDUIT OR PIPE SIZE (O.D.) SHALL NOT EXCEED 30% OF THE SLAB THICKNESS AND SHALL BE PLACED BETWEEN THE TOP AND BOTTOM REINFORCING UNLESS SPECIFICALLY DETAILED OTHERWISE. CONCENTRATIONS OF CONDUITS OR PIPES SHALL BE AVOIDED EXCEPT WHERE DETAILED OPENINGS ARE PROVIDED.

7. CURING COMPOUNDS ON CONCRETE THAT IS TO RECEIVE SPECIAL FINISH SHALL BE APPROVED BY THE MANUFACTURER BEFORE USE.

8. ROUGHEN SURFACE OF HORIZONTAL OR NEARLY HORIZONTAL CONSTRUCTION JOINTS SO THAT THE AGGREGATE SHALL BE EXPOSED UNIFORMLY, LEAVING NO LAITANCE, LOOSED PARTICLES OR DAMAGED CONCRETE.

9. LOCATE JOINTS NOT INDICATED TO LEAST IMPAIR STRENGTH AND APPEARANCE OF THE STRUCTURE. LOCATE HORIZONTAL JOINTS IN CONCRETE ONLY WHERE THEY NORMALLY OCCUR OR WHERE INDICATED. LOCATE VERTICAL JOINTS IN MIDDLE THIRD OF SPANS OF SLABS, BEAMS, OR GIRDERS UNLESS A BEAM INTERSECTS A GIRDER AT MIDDLE LOCATION, IN WHICH CASE OFFSET JOINTS IN GIRDERS TWICE THE WIDTH OF THE BEAM.

10. ONCE FORMWORK HAS BEEN REMOVED FROM CONCRETE RETAINING WALLS, BRACE WALLS THOROUGHLY BEFORE PLACING SOIL AGAINST WALL AND KEEP BRACING IN PLACE FOR A MINIMUM OF 7 DAYS AFTER EARTHWORK IS COMPLETE.

11. "WET SETTING" OF ANCHORS, DOWELS AND EMBEDED ITEMS SHALL BE PROHIBITED UNLESS SPECIFICALLY NOTED ON THE DRAWINGS.

12. CONCRETE STRRENGTH AND EXPOSURE REQUIREMENTS:
   A. FOUNDATION CONCRETE: 5000 PSI.
   B. ALL EXPOSED EXTERIOR CONCRETE TO HAVE MINIMUM STRENGTH OF 4500 PSI.
   C. ALL AGGREGATE SHALL BE LIMESTONE.
   D. ALL CEMENT SHALL BE PORTLAND CEMENT TYPE 1.

G. REINFORCING

1. REINFORCING SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH ACI DETAILING MANUAL.

2. REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60 EXCEPT ALL REINFORCING IN CONCRETE MOMENT FRAMES AND SHEAR WALLS AND ALL WELDED REINFORCEMENT SHALL CONFORM TO ASTM A706 GRADE 60.

3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.

4. MINIMUM LAP OF WELDED WIRE FABRIC SHALL BE 6" OR ONE FULL MESH + 2", WHICHEVER IS GREATER.

5. DOWELS BETWEEN FOOTINGS AND WALLS SHALL BE THE GRADE, SIZE AND SPACING OR NUMBER AS THE VERTICAL REINFORCING, RESPECTIVELY.

6. REINFORCING STEEL IN ALL CONCRETE WALLS AND FOOTINGS SHALL BE CONTINUOUS AROUND CORNERS.

7. PROVIDE (2) #5 EXTRA REINFORCING BARS AROUND ALL SIDE OF OPENINGS IN CONCRETE, UNLESS NOTED OTHERWISE ON THE PLANS. EXTEND BARS 2'-0" BEYOND EACH EDGE OF OPENING.

8. MINIMUM CLEAR COVERAGE OF CONCRETE OVER REINFORCEMENT SHALL BE:
   A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
   B. CONCRETE EXPOSED TO EARTH OR WEATHER:
      a. NO. 6 THROUGH NO. 18 BAR 2"
      b. NO. 5 BAR, W31 OR D31 WIRE OR SMALLER 1-1/2"
   C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
      a. SLABS WALLS AND JOISTS NO. 14 & NO. 18 1-1/2"
      b. SLABS WALLS AND JOISTS NO. 11 & SMALLER 3/4"
      c. BEAMS, COLUMNS: TIES AND PRIMARY REINFORCING 1-1/2"

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JMAA JET BRIDGE 2

JACKSON MUNICIPAL AIRPORT AUTHORITY
100 INTERNATIONAL DRIVE STE 300
JACKSON, MS 39298

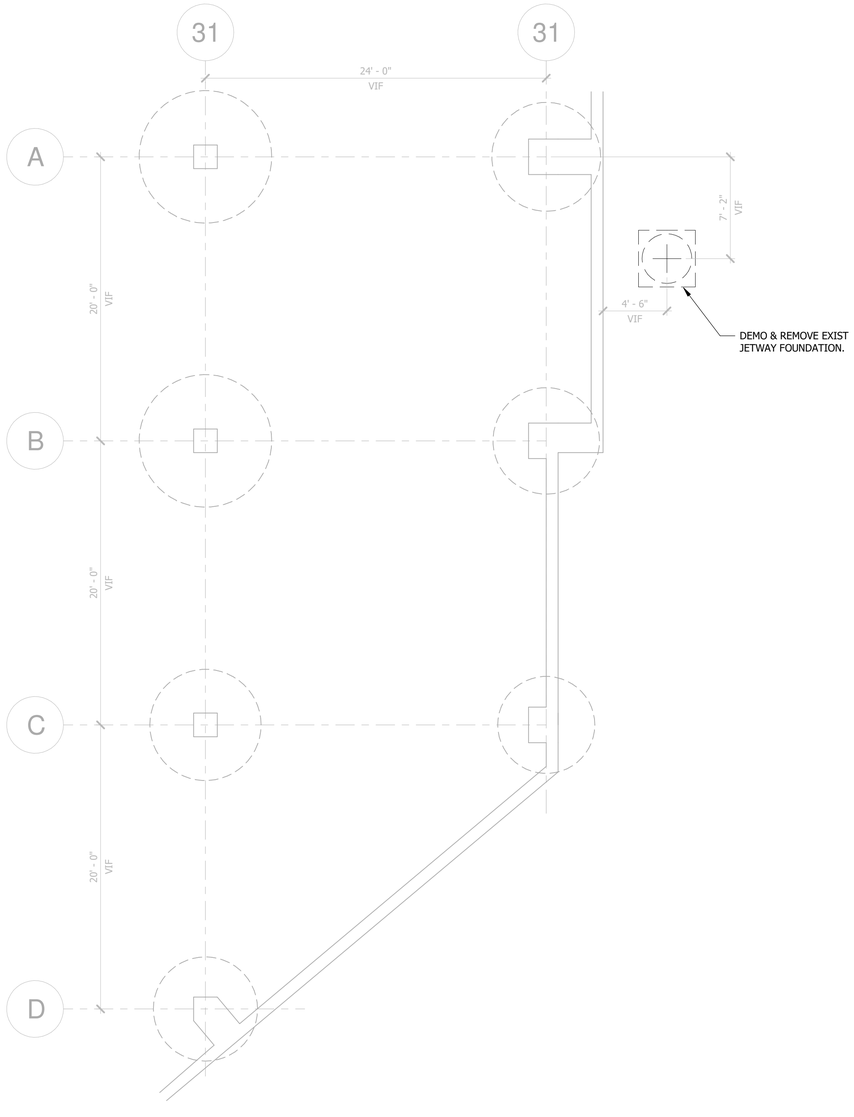
No	Revision	Date

STRUCTURAL GENERAL NOTES

JOB NO: 62960
DATE: 08/18/21
DRAWN: CWS
CHECKED: MES
CAD FILE:

CHRISTOPHER W. SMITH LICENSED PROFESSIONAL ENGINEER 28494 STATE OF MISSISSIPPI 8/19/21

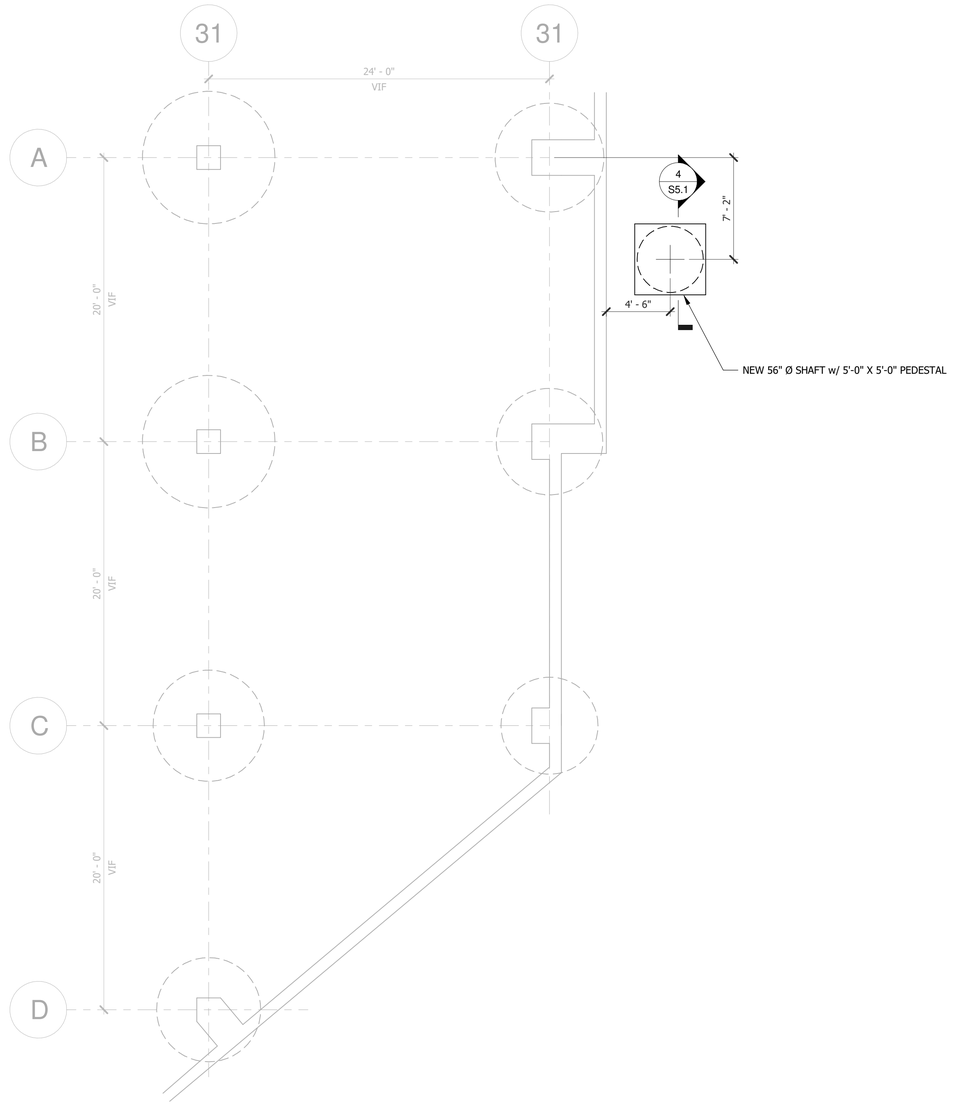
S0.1



NORTH

1 FOUNDATION DEMO PLAN
3/16" = 1'-0"

GRAPHIC SCALE
0' 16'
SCALE: 3/16" = 1'-0"



NORTH

2 NEW GATE 2 JETWAY FOUNDATION PLAN
3/16" = 1'-0"

GRAPHIC SCALE
0' 16'
SCALE: 3/16" = 1'-0"

C:\Users\csmith\Documents\62960 JMAA GATE 2 FDN_csmith@allenhoshall.com.rvt
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FOUNDATION PLANS

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8/19/21

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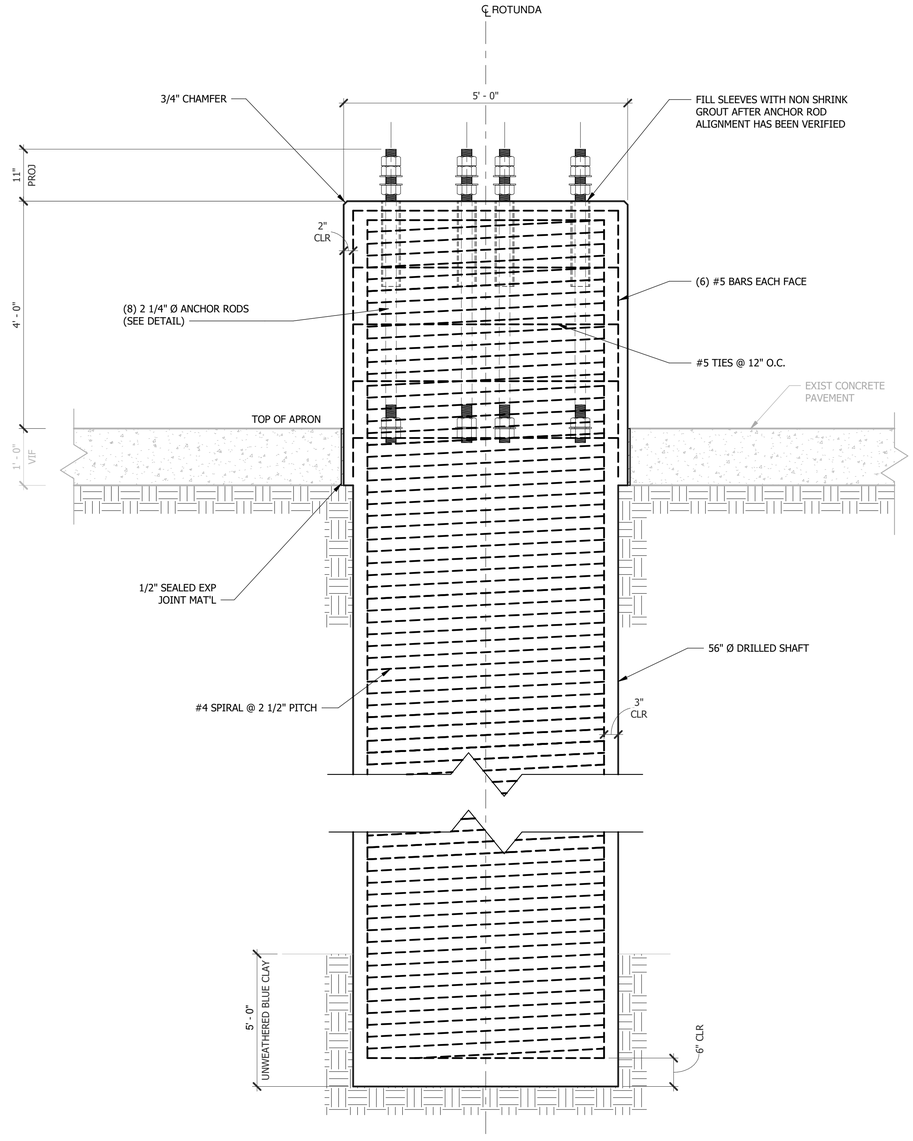
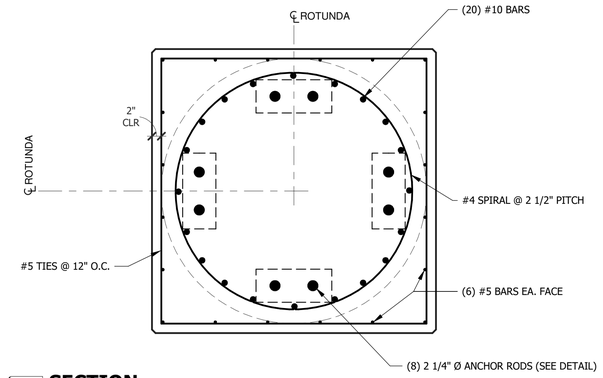
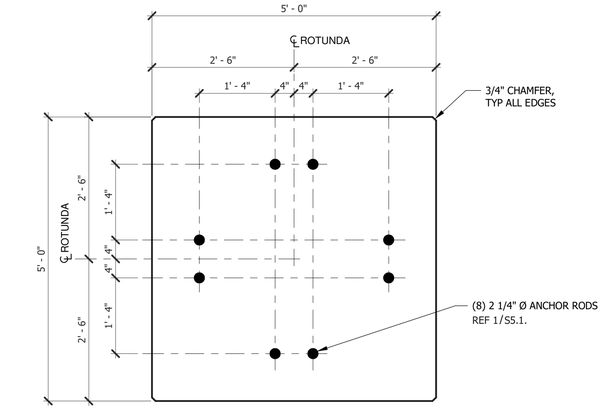


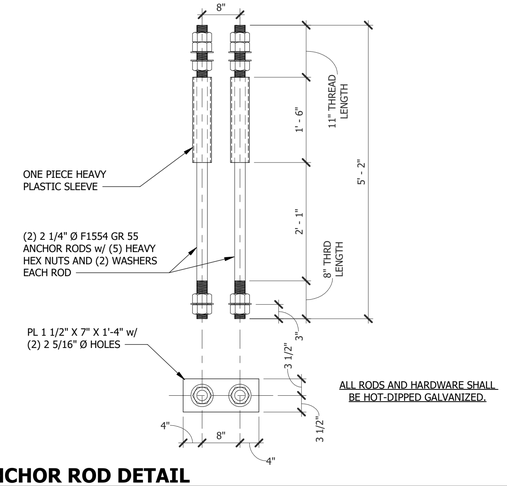
4 NEW PEDESTAL ELEVATION
3/4" = 1'-0"



3 SECTION
3/4" = 1'-0"



2 PLAN OF NEW PEDESTAL
3/4" = 1'-0"



1 ANCHOR ROD DETAIL
3/4" = 1'-0"

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No	Revision	Date

FOUNDATION DETAILS

JOB NO: 62960
DATE: 08/18/21
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CHECKED: CWS
CAD FILE:

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REGISTERED PROFESSIONAL ENGINEER
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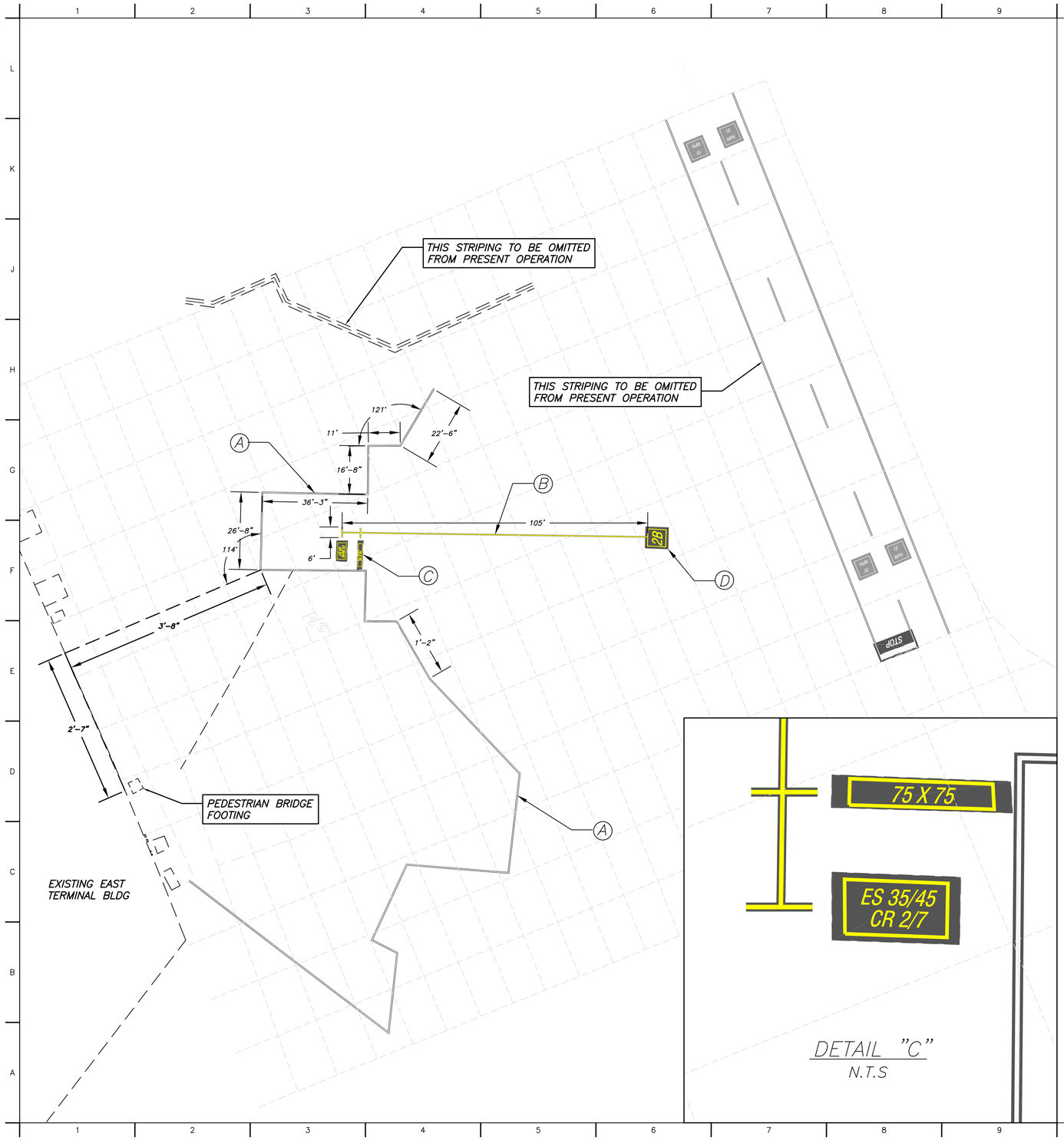
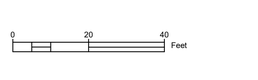
S5.1

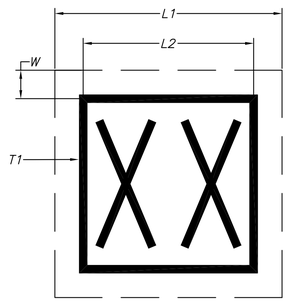


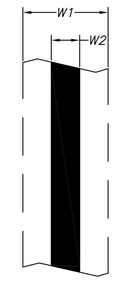
DETAIL "C"
N.T.S



NOTES;

1. PROPOSED PAVEMENT MARKINGS SHALL CORRESPOND TO EXISTING PAVEMENT MARKINGS UNLESS SHOWN OR DESCRIBED OTHERWISE.
2. ALL PRIMARY PAVEMENT MARKINGS SHALL HAVE BLACK BACKGROUND/BORDER AS REQUIRED FOR CONCRETE SURFACE.
3. ALL EXISTING PAVEMENT MARKINGS CORRESPONDING TO THE PROPOSED MARKINGS ARE TO BE REMOVED VIA GRINDING OR SANDBLASTING, WITH THE SURFACE BEING CLEANED OF ALL DEBRIS AND RESIDUE PRIOR TO PLACEMENT OF NEW MARKINGS. NO SEPARATE PAYMENT WILL BE MADE FOR CLEANING AND SURFACE PREPARATION; THE COST FOR THIS WORK IS TO BE ABSORBED INTO OTHER ITEMS BID.
4. ALL PAVEMENT MARKINGS SHALL COMPLY WITH THE REQUIREMENTS OF FAA ADVISORY CIRCULAR 150/5340-1M, LATEST PUBLISHING AND/OR ERRATA, FAA ADVISORY CIRCULAR 150/5370-10H, LATEST PUBLISHING AND/OR ERRATA, AND WITH THE REQUIREMENTS OF FAA "QUICK REFERENCE TO AIRFIELD STANDARDS", LATEST PUBLICATION DATE, AS APPLICABLE.
5. THE CONTRACTOR SHALL, AT ALL TIMES, MAINTAIN A WORK AREA SURFACE THAT IS CLEAN AND CLEAR OF DEBRIS WHICH MAY BECOME FOD OR OTHER IMPEDIMENT TO AIRCRAFT OPERATION.
6. THE CONTRACTOR IS EXPECTED TO PRESERVE THE SYMMETRY OF THE AIRCRAFT SAFETY LINE BASED ON THE DIMENSIONS GIVEN. FOR PAVEMENT MARKINGS NOT GIVEN SPECIFIC DIMENSION, THE CONTRACTOR SHALL MAKE PRELIMINARY MEASUREMENT AND RECORD PRIOR TO REMOVAL OF EXISTING MARKINGS FOR LATER REPLACEMENT.





	L1	L2	W	T1	W1	W2	TEXT
A					18"	6"	
B					24"	16"	
C*	VAR	VAR	6"	6"			12"
D	9'	7'	6"	12"			5'

*SEE "DETAIL C" FOR PAVEMENT MARKING SPECIFIC CONTENT

JOHN MIDDLETON TRIPLETT LICENSED PROFESSIONAL ENGINEER PE 16571 STATE OF MISSISSIPPI

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PM-1