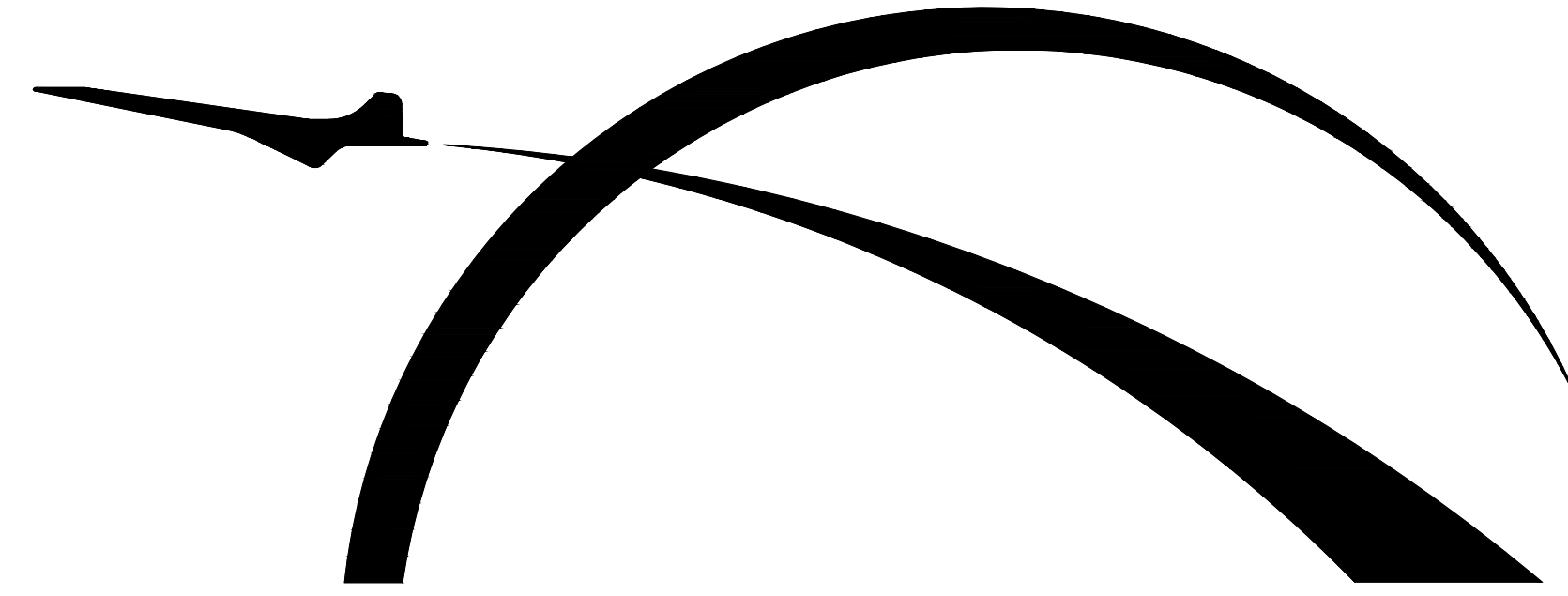


MAYOR
SYLVESTER TURNER
DISTRICT
COUNCIL MEMBERS

AMY PECK
TARSHA JACKSON
ABBIE KAMIN
CAROLYN EVANS-SHABAZZ
DAVID MARTIN
TIFFANY D. THOMAS
MARY NAN HUFFMAN
KARLA CISNEROS
ROBERT GALLEGOS
EDWARD POLLARD
MARTHA CASTEX-TATUM



HOUSTON AIRPORT SYSTEM

CONTROLLER
CHRIS B. BROWN
COUNCIL MEMBERS
AT-LARGE

MIKE KNOX
DAVID ROBINSON
MICHAEL KUBOSH
LETTIA PLUMMER
SALLIE ALCORN

ISSUED FOR BID

OF

PASSENGER LOADING BRIDGE REPLACEMENT

AT THE

WILLIAM P. HOBBY AIRPORT (HOU)

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR BID	04-04-2022	JLW

WILLIAM P. HOBBY AIRPORT (HOU)
PASSENGER LOADING BRIDGE REPLACEMENT

COVER SHEET

PROJECT MGR:	JLW
DESIGNER:	RC
DRAWN BY:	RC
CHECKED BY:	DJ
SCALE:	AS SHOWN
DATE:	APRIL 04, 2022



APPROVED BY: _____ DATE: _____

DIRECTOR
HOUSTON AIRPORT SYSTEM

JACOBS PROJECT NO:

WHXK7119

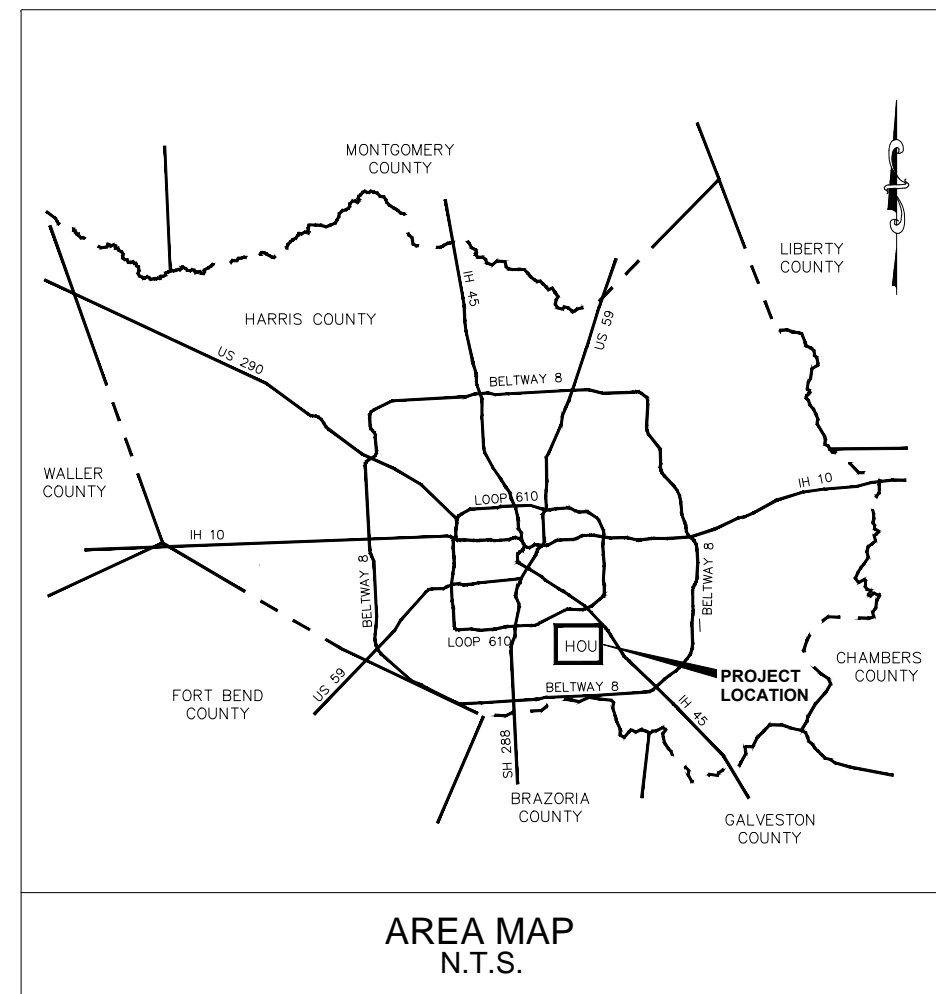
C.I.P. NO:

H.A.S. NO:

PN946B

SHEET NO:

G-0.00



PROJECT NO. PN946B

PREPARED BY

JACOBS ENGINEERING GROUP INC.

4B TECHNOLOGY GROUP

APRIL 04, 2022

ISSUED FOR BID



SHEET INDEX

DRAWING NO.	SHEET NO.	SHEET NAME
1	G-0.00	COVER SHEET
2	G-1.01	DRAWING INDEX AND BUILDING CODES
3	G-1.02	GENERAL NOTES, ABBREVIATIONS, AND LEGEND
4	G-2.01	SITE PLAN AND ENLARGED WORK AREA
5	G-3.01	OVERALL CONSTRUCTION STAGING, ACCESS AND HAUL ROUTE
6	G-3.02	MAXIMUM EQUIPMENT HEIGHT RESTRICTION PLAN
7	G-4.01	CONSTRUCTION PHASING PLAN, PLAN 1 - GATE 28
8	G-4.02	CONSTRUCTION PHASING PLAN, PLAN 1 - GATE 30
9	G-4.03	CONSTRUCTION PHASING PLAN, PLAN 1 - GATE 32
10	G-4.04	CONSTRUCTION PHASING PLAN, PLAN 1 - GATE 31
11	G-4.05	CONSTRUCTION PHASING PLAN, PLAN 1 - GATE 29
12	AD-1.01	ARCHITECTURAL DEMOLITION SITE PLAN AND ELEVATIONS
13	A-5.01	ARCHITECTURAL FLASHING DETAILS
14	MEP-1.01	MECHANICAL, ELECTRICAL AND PLUMBING SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES
15	MEPD-2.01	MECHANICAL, ELECTRICAL, AND PLUMBING DEMOLITION PLAN
16	MEPD-7.01	ELECTRICAL DEMOLITION ONE-LINE DIAGRAM
17	MEP-2.01	MECHANICAL, ELECTRICAL, AND PLUMBING PLAN
18	MEP-5.01	ELECTRICAL DETAILS
19	MEP-7.01	ELECTRICAL ONE-LINE DIAGRAM
20	MEP-8.01	ELECTRICAL PANEL SCHEDULES
21	TN-0.00	TELECOMMUNICATIONS SYMBOLS AND ABBREVIATIONS (1 OF 4)
22	TN-1.00	TELECOMMUNICATIONS APRON LEVEL (2 OF 4)
23	TN-4.00	TELECOMMUNICATIONS DETAILS (3 OF 4)
24	TD-1.00	TELECOMMUNICATIONS DEMO (4 OF 4)

JURISDICTION AND CODE SUMMARY

JURISDICTION: HOUSTON AIRPORT SYSTEM AND CITY OF HOUSTON APPLICABLE CODES: 2012 INTERNATIONAL BUILDING CODE 2012 INTERNATIONAL FIRE CODE 2012 UNIFORM MECHANICAL CODE 2012 UNIFORM PLUMBING CODE 2020 NATIONAL ELECTRICAL CODE (STATE MANDATED) 2015 INTERNATIONAL ENERGY CONSERVATION CODE, OR ASHRAE 90.1-2013	FAA AC: 150/5300-13A - AIRPORT DESIGN 150/5370-2G - OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION 150/5370-10H - STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS
---	---

HOUSTON AIRPORT SYSTEM STANDARDS / CODE SUMMARY

HAS DESIGN CRITERIA MANUAL - APRIL 2015 HAS CAD/GEOSPATIAL DATA STANDARDS & PROCEDURES MANUAL - DECEMBER 2013 (REL. 3.3) HAS BIM STANDARDS - JULY 2017 IAH TERMINAL REDEVELOPMENT PROGRAM DESIGN MANUAL - JUNE 2018 (VER. 1)	FAA AC: 150/5300-13A - AIRPORT DESIGN 150/5370-2G - OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION 150/5370-10H - STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS
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EQUIPMENT	GATE 28	GATE 29	GATE 30	GATE 31	GATE 32	TOTAL QUANTITY
PASSENGER LOADING BRIDGE	A3-58/116 or TB 35.0/17.5-3	A3-61/127 or TB 39.0/19.0-3	A3-61/127 or TB 39.0/19.0-3	A3-61/127 or TB 39.0/19.0-3	A3-65/133 or TB 43.0/20.5-3	5
PLB COOLING UNIT	TRANE 5 TON RTU	TRANE 5 TON RTU	TRANE 5 TON RTU	TRANE 5 TON RTU	TRANE 5 TON RTU	5
GROUND POWER UNIT	ITW GSE 2400 POWER COIL	ITW GSE 2400 POWER COIL	ITW GSE 2400 POWER COIL	ITW GSE 2400 POWER COIL	ITW GSE 2400 POWER COIL	5
PRE-CONDITIONED AIR UNIT	ITW GSE 3400 ADF-130/2X (H)	ITW GSE 3400 ADF-130/2X (H)	ITW GSE 3400 ADF-130/2X (H)	ITW GSE 3400 ADF-130/2X (H)	ITW GSE 3400 ADF-130/2X (H)	5
POTABLE WATER CABINETS	REUSE EXISTING	REUSE EXISTING	REUSE EXISTING	REUSE EXISTING	REUSE EXISTING	0
FIXED WALKWAY	REUSE EXISTING	REUSE EXISTING	---	REUSE EXISTING	REUSE EXISTING	0

PROVIDE ALL EQUIPMENT LISTED ABOVE OR EQUALS.



HOUSTON AIRPORT SYSTEM
WILLIAM P. HOBBY AIRPORT
HOUSTON TEXAS



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REVISIONS		
NO. DESCRIPTION	DATE	BY
1 ISSUED FOR BID	04-04-2022	JLW

WILLIAM P. HOBBY AIRPORT (HOU)
PASSENGER LOADING BRIDGE REPLACEMENT

DRAWING INDEX AND BUILDING CODES

PROJECT MGR: JLW
 DESIGNER: RC
 DRAWN BY: RC
 CHECKED BY: DJ
 SCALE: AS SHOWN
 DATE: APRIL 04, 2022



APPROVED BY: _____ DATE: _____

DIRECTOR
HOUSTON AIRPORT SYSTEM

JACOBS PROJECT NO:
WHXK7119

C.I.P. NO:

H.A.S. NO:
PN946B

SHEET NO:

G-1.01

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2

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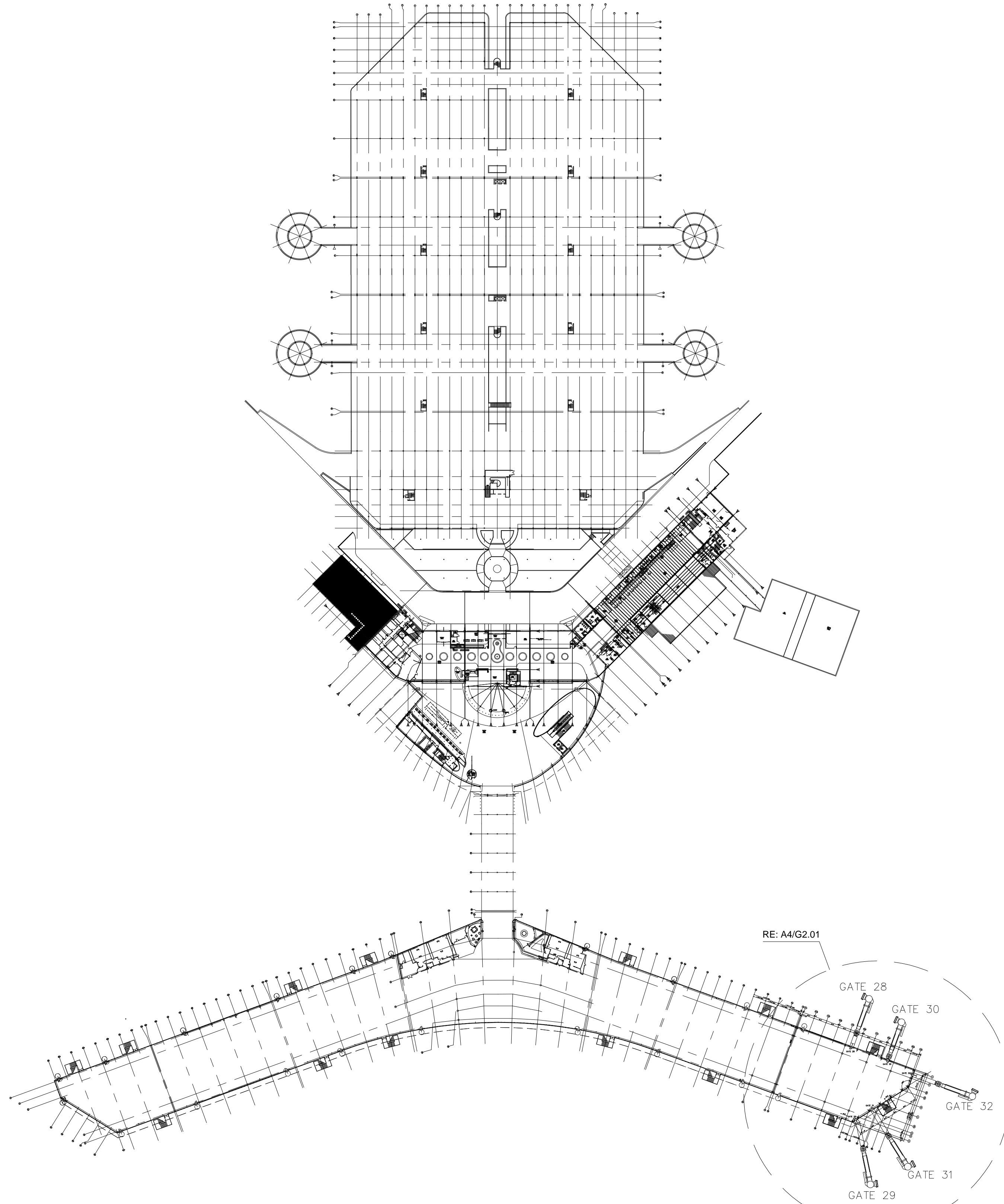
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C

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A



A1 SITE PLAN
N.T.S.

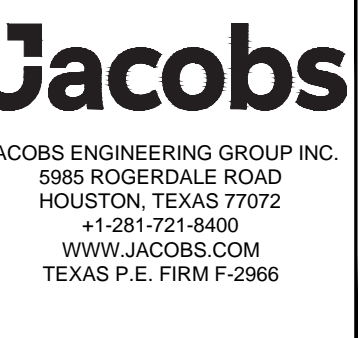
A4 ENLARGED PLAN
N.T.S.

GENERAL NOTES

1. THIS DRAWING IS ONLY INTENDED TO ASSIST IN SHOWING THE SCOPE OF DEMOLITION WORK AND IT IS NOT INTENDED TO INDICATE ALL DEMOLITION. CONTRACTOR SHALL REMOVE ALL EXISTING ITEMS AS REQUIRED TO COMPLETE THE JOB.
2. NOT ALL THE ITEMS TO BE DEMOLISHED ARE SHOWN ON THE PLAN. CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING A WALK THRU OF THE PROJECT TO IDENTIFY POSSIBLE CRITICAL ITEMS NOT OR INCORRECTLY ADDRESSED, WHICH REQUIRES REMOVAL AND RELOCATION PRIOR TO SUBMITTING A BID TO THE OWNER.
3. CUT, REMOVE, PATCH, AND REFINISH EXISTING CONSTRUCTION AS REQUIRED. LEAVE WORK COMPLETE AND IN SATISFACTORY CONDITION.
4. CONTRACTOR IS TO PROTECT ALL UTILITIES.
5. PATCH AND REPAIR ALL EXISTING SURFACES DAMAGED BY DEMOLITION AND /OR INSTALLATION OF NEW PASSENGER LOADING BRIDGES, GROUND POWER UNITS, PRE-CONDITION AIR UNITS, ELECTRICAL, PLUMBING, BUILDING MATERIALS, IT/TELECOM UTILITIES, ETC.
6. COORDINATE ALL DEMOLITION, REPAIR, REPLACEMENT, AND RELOCATION OF ELECTRICAL SYSTEMS WITH ELECTRICAL DRAWINGS. REFER TO ELECTRICAL DRAWINGS FOR REMOVAL, RELOCATION, OR MODIFICATION OF ANY ELECTRICAL EQUIPMENT OR WIRING.
7. COORDINATE ALL DEMOLITION, REPAIR, REPLACEMENT, AND RELOCATION OF BUILDING SYSTEMS WITH BUILDING DRAWINGS. REFER TO BUILDING DRAWINGS FOR REMOVAL, RELOCATION, OR MODIFICATION OF ANY BUILDING EQUIPMENT.
8. COORDINATE ALL DEMOLITION, REPAIR, REPLACEMENT, AND RELOCATION OF PLUMBING SYSTEMS WITH PLUMBING DRAWINGS. REFER TO BUILDING DRAWINGS FOR REMOVAL, RELOCATION, OR MODIFICATION OF ANY PLUMBING EQUIPMENT.
9. COORDINATE ALL DEMOLITION, REPAIR, REPLACEMENT, AND RELOCATION OF IT/TELECOM SYSTEMS WITH IT/TELECOM DRAWINGS. REFER TO IT/TELECOM DRAWINGS FOR REMOVAL, RELOCATION, OR MODIFICATION OF ANY IT/TELECOM EQUIPMENT.
10. CONSTRUCTION LIMITS - ALL CONTRACTOR VEHICLES, EQUIPMENT AND CONSTRUCTION TRAFFIC SHALL REMAIN WITHIN THE LIMITS OF THE CONSTRUCTION AREA, STAGING AREA OR HAUL ROUTES AS SHOWN ON THE PLANS.
11. STAGING AREA - CONTRACTOR SHALL MAKE PROVISIONS FOR ANY REQUIRED UTILITIES. CONTRACTOR SHALL PROVIDE SECURITY FENCE AROUND UTILIZED STAGING AREAS. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL RESTORE THE STAGING AREAS, INCLUDING THE REMOVAL OF UTILITIES, REGRADING, TOP SOILING AND SODDING, COMPLETE TO THE SATISFACTION OF THE CITY ENGINEER, HAS, AND/OR FAA. THERE IS NO SEPARATE MEASUREMENT OF PAYMENT FOR WORK ASSOCIATED WITH ESTABLISHING, MAINTAINING OR REMOVING AND RESTORING STAGING AREA.
12. HAUL ROUTES - LOCATION OF HAUL ROUTES ON THE AIRPORT SITE ARE SPECIFIED ON THE DRAWINGS OR MAY BE APPROVED OTHERWISE BY THE HAS PROJECT MANAGER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE HAUL ROUTES (STATE HIGHWAYS, COUNTY ROADS, OR CITY STREETS) WITH THE APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE. THE CONTRACTOR SHALL OBTAIN THEIR APPROVAL OF ROUTES TO BE TAKEN BY HAULING EQUIPMENT. THE CONTRACTOR WILL NOTIFY THE APPROPRIATE AGENCIES AND MAKE ALL THE NECESSARY ARRANGEMENTS AND OBTAIN PERMITS FOR TRAFFIC CONTROL DURING HAULING OPERATIONS. ON-SITE HAUL ROUTES SHALL BE MAINTAINED AT ALL TIMES DURING USE BY THE CONTRACTOR AND SHALL BE RESTORED TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE. ALL REPAIR AND RESTORATION WORK FOR THE HAUL ROUTES WILL BE CONSIDERED INCIDENTAL TO THE PROJECT. FENCING, DRAINAGE, GRADING AND TEMPORARY HAUL ROUTES FOR ACCESS POINTS ON THE AIRPORT WILL BE THE CONTRACTOR'S TOTAL RESPONSIBILITY AND SHALL BE APPROVED BY THE CONSTRUCTION MANAGER PRIOR TO START OF WORK. EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES.

KEYNOTES

1. EXISTING PASSENGER LOADING BRIDGE FIXED WALKWAY TO REMAIN.
2. EXISTING SEAL TO BE REPLACED WITH NEW.
3. EXISTING PASSENGER LOADING BRIDGE TO BE REMOVED AND REPLACED WITH NEW.
4. EXISTING SEAL AND FLASHING AT GATE 30 TO BE REMOVED AND REPLACED WITH NEW.



REVISIONS

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR BID	04-04-2022	JLW

WILLIAM P. HOBBY AIRPORT (HOU)
PASSENGER LOADING BRIDGE REPLACEMENT
SITE PLAN AND ENLARGED WORK AREA

PROJECT MGR:	JLW
DESIGNER:	RC
DRAWN BY:	RC
CHECKED BY:	DJ
SCALE:	AS SHOWN
DATE:	APRIL 04, 2022



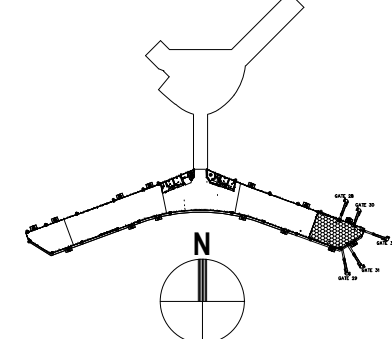
APPROVED BY: _____ DATE: _____

DIRECTOR
HOUSTON AIRPORT SYSTEM

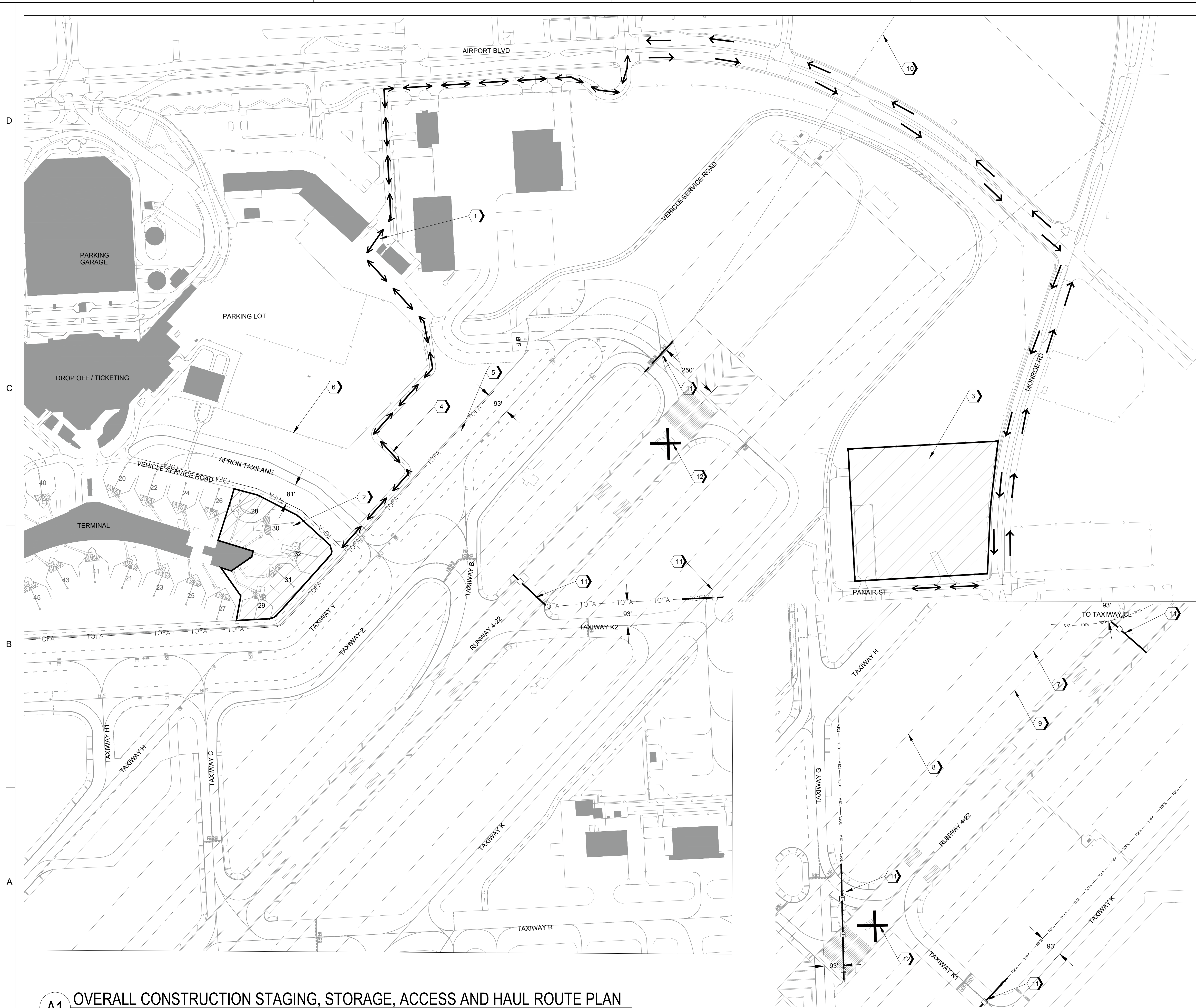
JACOBS PROJECT NO:
WHXK7119
C.I.P. NO:
H.A.S. NO:
PN946B
SHEET NO:

GRAPHIC SCALES:

KEY MAP



G-2.01



A1 OVERALL CONSTRUCTION STAGING, STORAGE, ACCESS AND HAUL ROUTE PLAN
1" = 200'

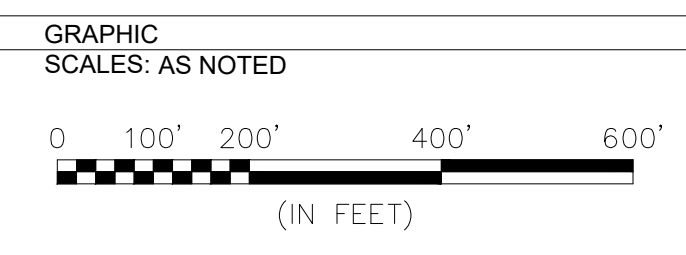
A3 SOUTH AIRFIELD STAGING, STORAGE, ACCESS AND HAUL ROUTE PLAN
1" = 200'

GENERAL NOTES

1. TYPICAL WORK HOURS SHALL BE 7:00AM TO 5:00PM. CRANE OPERATIONS AND ELECTRICAL SHUTDOWNS SHALL BE COMPLETED DURING RESTRICTED WORK HOURS FROM 12:00AM TO 5:00AM AS COORDINATED AND SCHEDULED DAILY WITH OPERATIONS.
2. CONTRACTOR IS RESPONSIBLE FOR TRANSPORTING EMPLOYEES TO AND FROM THE JOB SITE. PERSONAL VEHICLES SHALL NOT BE PARKED ANYWHERE WITHIN THE AIRPORT OPERATIONS AREA (AOA).
3. ALL AOA CONSTRUCTION VEHICLES SHALL BE OPERATED BY A BADGED EMPLOYEE WITH RAMP DRIVING PRIVILEGES OR BE ESCORTED BY A VEHICLE OPERATED BY A BADGED EMPLOYEE WITH RAMP DRIVING AND ESCORT PRIVILEGES WHEN ENTERING THE AOA. ALL UNBADGED EMPLOYEES SHALL BE ESCORTED AND WITHIN VOICE AND VISUAL RANGE OF A BADGED SUPERVISOR PER HOU SECURITY REQUIREMENTS.
4. GATE N-80 IS THE ONLY GATE TO BE USED FOR AOA ACCESS.
5. PERSONNEL AND EQUIPMENT SHALL NOT CROSS A NON-MOVEMENT LINE OR ENTER THE OBJECT FREE AREA OF AN ACTIVE TAXIWAY, TAXILANE, OR RUNWAY WITHOUT PRIOR COORDINATION WITH THE HAS PROJECT MANAGER, HOU AIRSIDE OPERATIONS STAFF, AND ATCT. ALL AIRCRAFT SHALL HAVE THE RIGHT OF WAY AT ALL TIMES.
6. RUNWAY CLOSURES SHALL BE COORDINATED IN ADVANCE WITH WITH HOU AIRSIDE OPERATIONS STAFF. CONTRACTOR SHALL FOLLOW THE REQUIREMENTS OF THE 7460 DETERMINATION.
7. CONTRACTOR SHALL COORDINATE USE OF THE STAGING AREA WITH HOU OPERATIONS AND OTHER CONTRACTORS.

KEYNOTES

1. GATE N-80 IS TO BE USED FOR AOA ACCESS.
2. WORK AREA: GATES 28, 29, 30, 31, AND 32
3. CONTRACTOR STAGING AND STORAGE AREA
4. HAUL ROUTE
5. NON-MOVEMENT LINE / TAXIWAY OBJECT FREE AREA
6. EXISTING AOA FENCE
7. RUNWAY SAFETY AREA
8. RUNWAY OBJECT FREE AREA
9. RUNWAY OBSTACLE FREE ZONE
10. RUNWAY PROTECTION ZONE
11. LOW PROFILE BARRICADES
12. LIGHTED RUNWAY CLOSURE DEVICE



HOUSTON AIRPORT SYSTEM
WILLIAM P. HOBBY AIRPORT
HOUSTON TEXAS

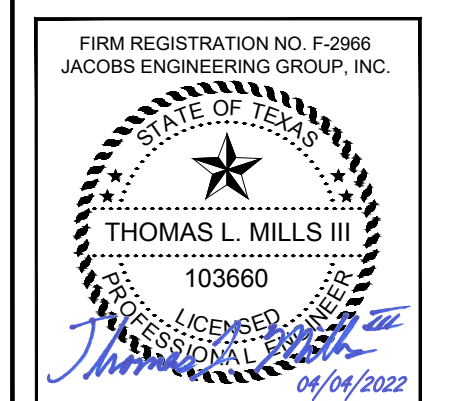
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REVISIONS

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR BID	04-04-2022	JLW

WILLIAM P. HOBBY AIRPORT (HOU)
PASSENGER LOADING BRIDGE REPLACEMENT
OVERALL CONSTRUCTION STAGING, STORAGE, ACCESS, AND HAUL ROUTE PLAN

PROJECT MGR:	JLW
DESIGNER:	TRM
DRAWN BY:	TRM
CHECKED BY:	TLM
SCALE:	AS SHOWN
DATE:	APRIL 04, 2022



APPROVED BY: _____ DATE: _____

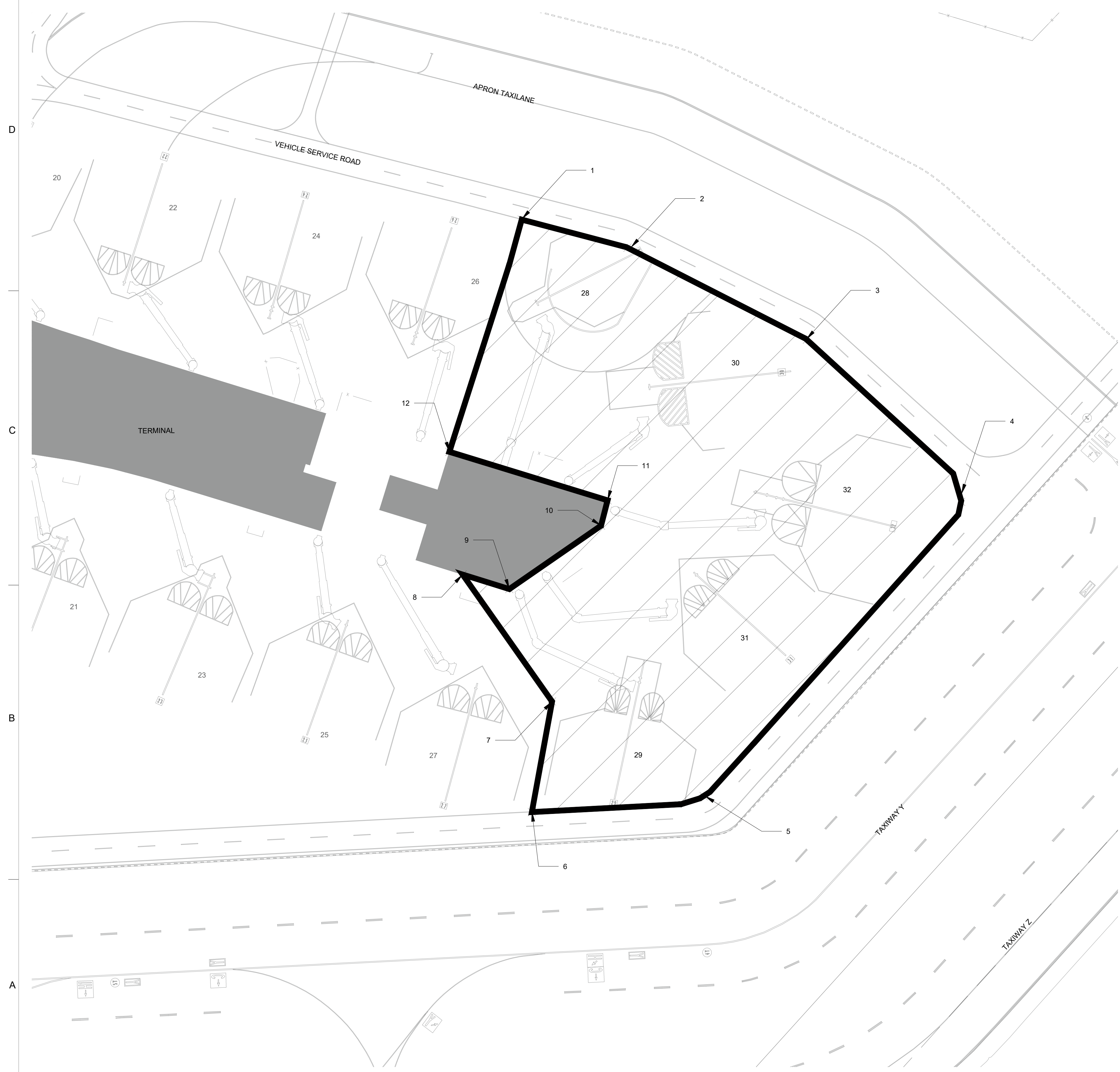
DIRECTOR
HOUSTON AIRPORT SYSTEM

JACOBS PROJECT NO:
WHXK7119

C.I.P. NO.:

H.A.S. NO:
PN946B

SHEET NO.:



CONSTRUCTION NOTES:

1. SEE TABLE THIS SHEET FOR HEIGHT RESTRICTION POINTS AND COORDINATES.
2. THE MAXIMUM EQUIPMENT HEIGHT IN THE STAGING AREA AND ALONG THE HAUL ROUTE IS 20'. TEMPORARY STOCKPILES ARE NOT ALLOWED UNLESS APPROVED IN WRITING FROM THE CONSTRUCTION MANAGER AND AIRPORT OPERATIONS.
3. RUNWAY 4-22 SHALL BE CLOSED WHEN EQUIPMENT EXCEEDS THE MAXIMUM ALLOWANCE HEIGHT RESTRICTIONS PER THE 7460 DETERMINATION. RUNWAY CLOSURES SHALL BE COORDINATED IN ADVANCE WITH WITH HOU AIRSIDE OPERATIONS STAFF. CONTRACTOR SHALL FOLLOW THE REQUIREMENTS OF THE 7460 DETERMINATION.

HEIGHT RESTRICTION POINT TABLE

POINT	NORTHING	EASTING	GROUND ELEVATION	AIRSPACE SURFACE ELEVATION	MAXIMUM EQUIPMENT HEIGHT
1	13805716.09	3151881.191	42	136	94
2	13805690.78	3151976.735	42	123	81
3	13805607.7	3152138.717	41	98	57
4	13805461.14	3152278.084	40	68	28
5	13805195.3	3152045.526	40	68	28
6	13805180.95	3151890.352	40	83	43
7	13805280.82	3151908.59	41	91	50
8	13805395.51	3151827.851	42	110	68
9	13805382.39	3151870.009	41	105	64
10	13805439.69	3151952.845	41	101	60
11	13805462.53	3151958.739	42	103	61
12	13805506.37	3151815.879	43	122	79

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REVISIONS

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1	ISSUED FOR BID	04-04-2022	JLW

WILLIAM P. HOBBY AIRPORT (HOU)
PASSENGER LOADING BRIDGE REPLACEMENT
MAXIMUM EQUIPMENT HEIGHT RESTRICTION PLAN

PROJECT MGR: JLW
DESIGNER: TRM
DRAWN BY: TRM
CHECKED BY: TLM
SCALE: AS SHOWN
DATE: APRIL 04, 2022



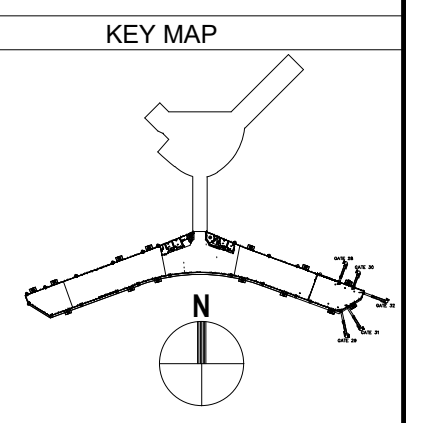
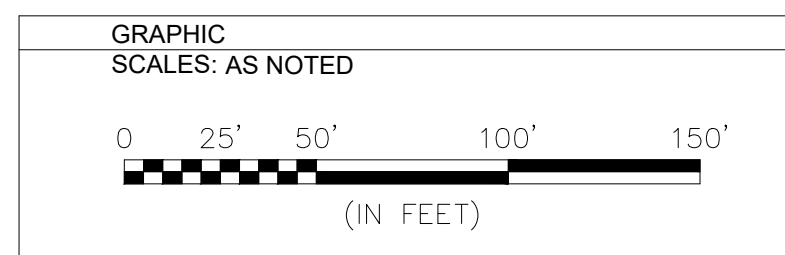
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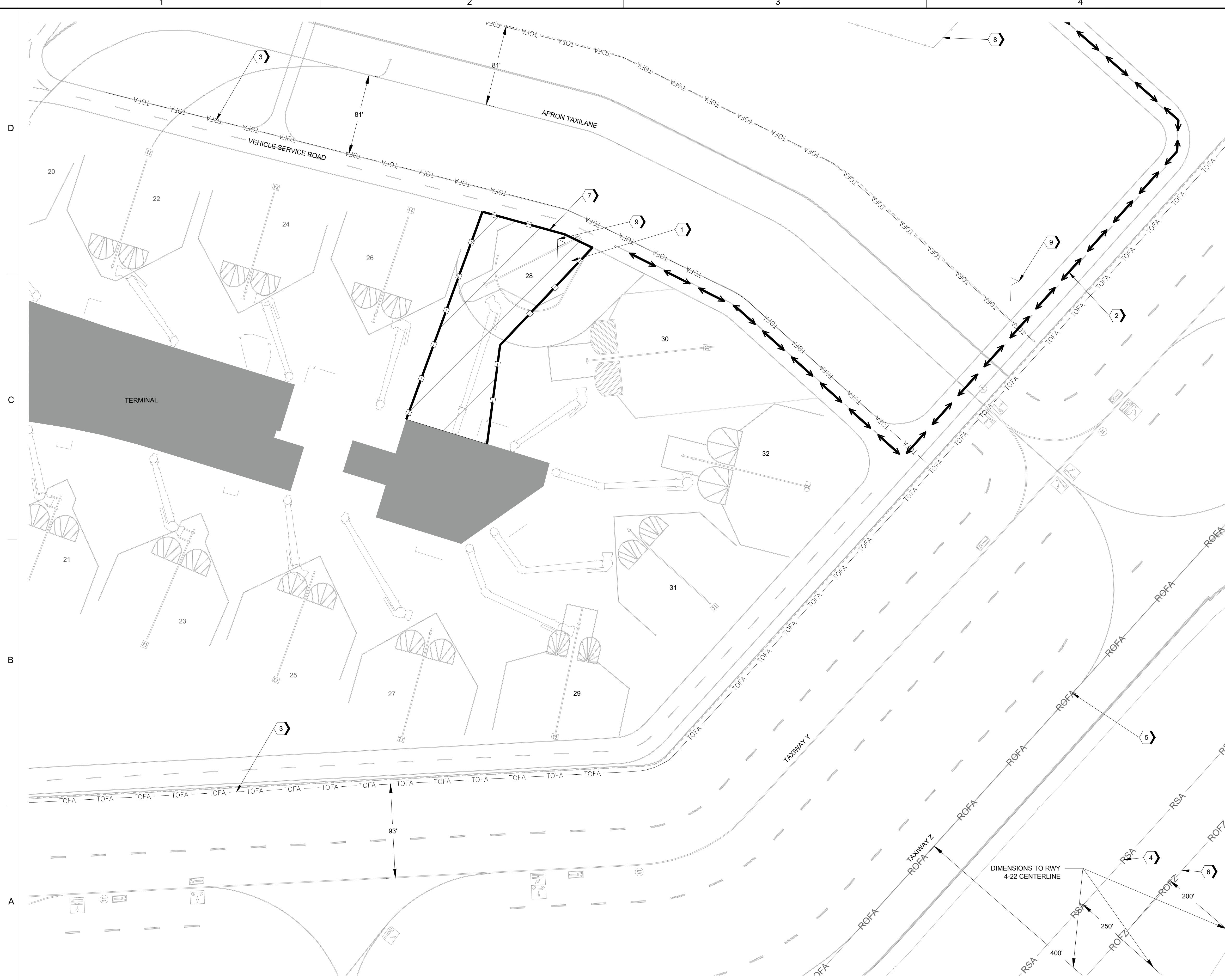
DIRECTOR
HOUSTON AIRPORT SYSTEM

JACOBS PROJECT NO: WHXK7119
C.I.P. NO: _____
H.A.S. NO: PN946B
SHEET NO: _____

G-3.02

A1 MAXIMUM EQUIPMENT HEIGHT RESTRICTION PLAN
1" = 50'





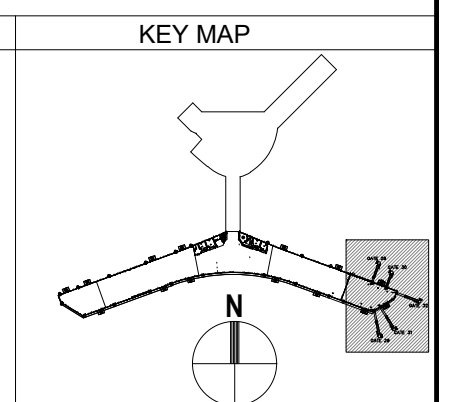
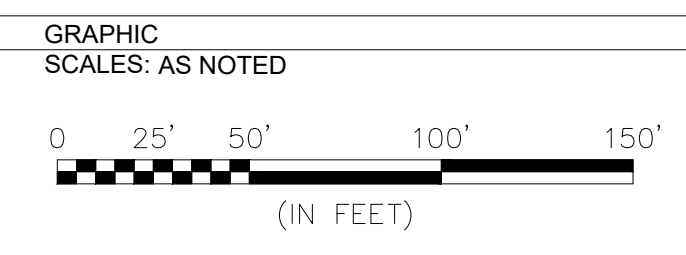
A1 CONSTRUCTION PHASING PLAN 1 - GATE 28
1" = 50'

GENERAL NOTES

- CONSTRUCTION PHASING NOTES:**
1. REQUIREMENTS TO START: CONSTRUCTION NOTICE-TO-PROCEED, FILED NOTAM FOR WORK AREA, APPROVED SUBMITTALS INCLUDING SPCD, PRE-CONSTRUCTION MEETING, AND PRE-ACTIVITY MEETING.
 2. TYPICAL WORK HOURS: WORK HOURS SHALL BE 7:00AM TO 5:00PM. CRANE OPERATIONS AND ELECTRICAL SHUTDOWNS SHALL BE COMPLETED DURING RESTRICTED WORK HOURS FROM 12:00AM TO 5:00AM AS COORDINATED AND SCHEDULED DAILY WITH OPERATIONS.
 3. ESTIMATED CONSTRUCTION DURATION: 28 CALENDAR DAYS
 4. WORK AREA PROGRESSIONS: WORK SHALL PROGRESS ONE GATE AT A TIME FROM GATE 28 TO GATE 30, TO GATE 32, TO GATE 31, AND TO GATE 29.
 5. MAJOR ITEMS OF WORK: DISCONNECT ELECTRICAL EQUIPMENT AND UTILITIES FROM EXISTING PLB, GPU, AND PCA. DISCONNECT COMMUNICATION EQUIPMENT AND UTILITIES FROM EXISTING PLB, GPU, AND PCA. DEMOLITION AND REMOVAL OF EXISTING PLB, GPU, AND PCA. INSTALLATION OF NEW PLB, GPU, AND PCA; RE-CONNECT TO ELECTRICAL, PLUMBING, AND IT/TELECOM UTILITIES.
 6. AIRFIELD OPERATIONS: THE CONTRACTOR SHALL COORDINATE AND SCHEDULE GATE CLOSURES WITH THE HAS CONSTRUCTION MANAGER AND HOU AIRPORT OPERATIONS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- OPERATIONS AND SAFETY:**
7. GENERAL: BARRICADES SHALL BE PLACED AT THE DISCRETION OF THE HAS CONSTRUCTION MANAGER IN ACCORDANCE WITH AIRPORT OPERATIONAL REQUIREMENTS AND SPECIFICATIONS. WORK AREAS AND BARRICADE LOCATIONS ARE DEPICTED FOR BIDDING PURPOSES. ACTUAL LIMITS MAY VARY IN THE FIELD AS NECESSARY FOR THE COMPLETION OF WORK AND SHALL BE COORDINATED IN ADVANCE WITH HOU AIRPORT OPERATIONS AND THE HAS CONSTRUCTION MANAGER DURING THE PRE-ACTIVITY MEETING.
 8. GATE CLOSURES: GATE 28 SHALL BE CLOSED.
 9. RUNWAY CLOSURES: RUNWAY 4-22 SHALL BE CLOSED WHEN EQUIPMENT EXCEEDS THE MAXIMUM ALLOWANCE HEIGHT RESTRICTIONS PER THE 7460 DETERMINATION. RUNWAY CLOSURES SHALL BE COORDINATED IN ADVANCE WITH WITH HOU AIRSIDE OPERATIONS STAFF. CONTRACTOR SHALL FOLLOW THE REQUIREMENTS OF THE 7460 DETERMINATION.
 10. TAXIWAY CLOSURES: TAXIWAY Y SHALL BE CLOSED BETWEEN TAXIWAY Z AND RUNWAY 4-22. TAXIWAY K SHALL BE CLOSED NORTHEAST OF TAXIWAY K2. TAXIWAY K1 SHALL BE CLOSED BETWEEN TAXIWAY K AND RUNWAY 4-22.
 11. REQUIREMENTS TO REOPEN: THE CONTRACTOR SHALL COMPLETE THE FOLLOWING ITEMS PRIOR TO RE-OPENING THE GATE TO AIRCRAFT: ALL FOD REMOVED; ALL CONSTRUCTION EQUIPMENT MOVED OUTSIDE OF THE AIRCRAFT PARKING AND GSE OPERATING AREAS; OBTAIN AIRPORT OPERATIONS INSPECTION APPROVAL; REMOVAL OF ALL CLOSURE BARRICADES; CLOSURE NOTAM REMOVED AND OPERATIONAL NOTAMS FILED; AND ALL INCIDENTALS NECESSARY TO COMPLY WITH THE CONTRACT DOCUMENTS.

KEYNOTES

1. PHASE 1 WORK AREA: GATE 28
2. HAUL ROUTE
3. TAXIWAY/TAXILANE OBJECT FREE AREA
4. RUNWAY SAFETY AREA
5. RUNWAY OBJECT FREE AREA
6. RUNWAY OBSTACLE FREE ZONE
7. LOW PROFILE BARRICADE LINE
8. AOA FENCE
9. FLAGGER



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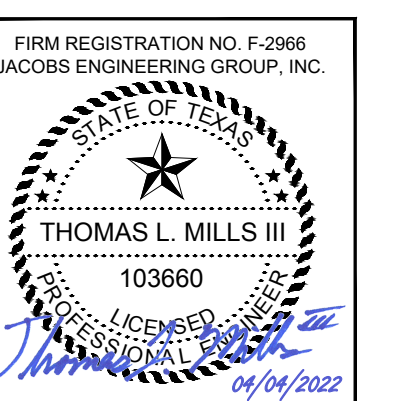
REVISIONS

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR BID	04-04-2022	JLW

WILLIAM P. HOBBY AIRPORT (HOU)
PASSENGER LOADING BRIDGE REPLACEMENT

CONSTRUCTION PHASING PLAN 1 - GATE 28

PROJECT MGR:	JLW
DESIGNER:	TRM
DRAWN BY:	TRM
CHECKED BY:	TLM
SCALE:	AS SHOWN
DATE:	APRIL 04, 2022



APPROVED BY: _____ DATE: _____

DIRECTOR
HOUSTON AIRPORT SYSTEM

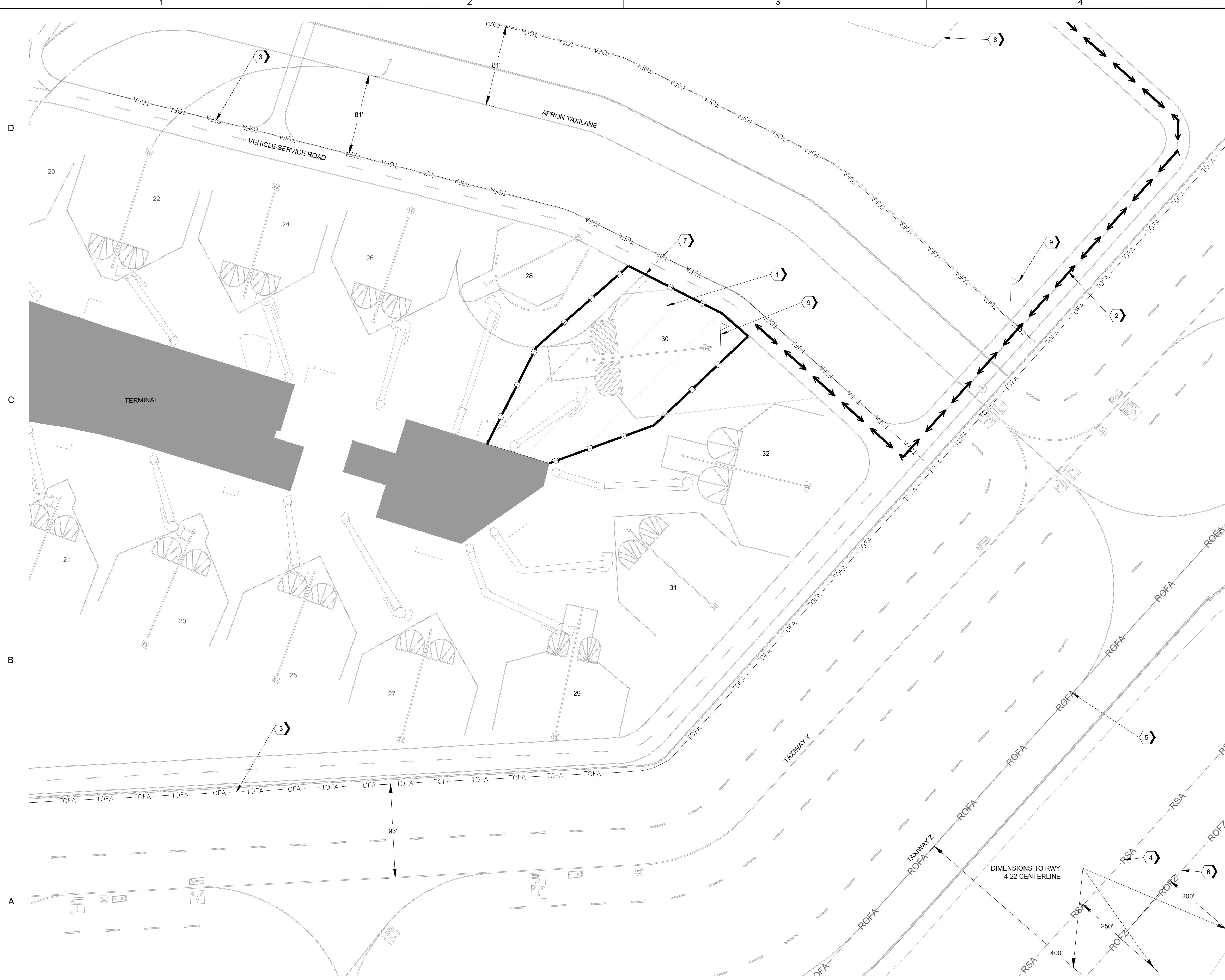
JACOBS PROJECT NO:
WHXK7119

C.I.P. NO. _____

H.A.S. NO. _____
PN946B

SHEET NO. _____

G-4.01



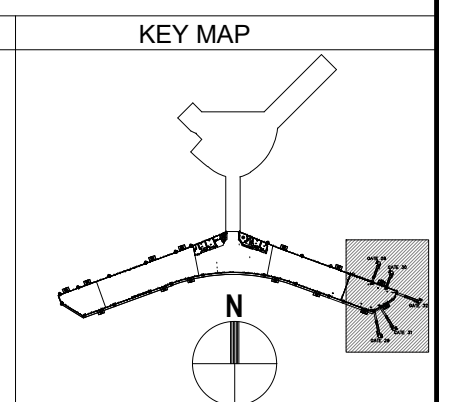
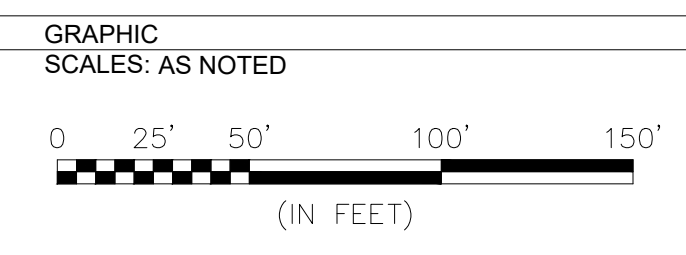
A1 CONSTRUCTION PHASING PLAN 2 - GATE 30
1" = 50'

GENERAL NOTES

- CONSTRUCTION PHASING NOTES:**
1. REQUIREMENTS TO START: CONSTRUCTION NOTICE-TO-PROCEED, FILED NOTAM FOR WORK AREA, APPROVED SUBMITTALS INCLUDING SPCD, PRE-CONSTRUCTION MEETING, AND PRE-ACTIVITY MEETING.
 2. TYPICAL WORK HOURS: WORK HOURS SHALL BE 7:00AM TO 5:00PM. CRANE OPERATIONS AND ELECTRICAL SHUTDOWNS SHALL BE COMPLETED DURING RESTRICTED WORK HOURS FROM 12:00AM TO 5:00AM AS COORDINATED AND SCHEDULED DAILY WITH OPERATIONS.
 3. ESTIMATED CONSTRUCTION DURATION: 28 CALENDAR DAYS
 4. WORK AREA PROGRESSIONS: WORK SHALL PROGRESS ONE GATE AT A TIME FROM GATE 28 TO GATE 30, TO GATE 32, TO GATE 31, AND TO GATE 29.
 5. MAJOR ITEMS OF WORK: DISCONNECT ELECTRICAL EQUIPMENT AND UTILITIES FROM EXISTING PLB, GPU, AND PCA. DISCONNECT COMMUNICATION EQUIPMENT AND UTILITIES FROM EXISTING PLB, GPU, AND PCA. DEMOLITION AND REMOVAL OF EXISTING PLB, GPU, AND PCA. INSTALLATION OF NEW PLB, GPU, AND PCA; RE-CONNECT TO ELECTRICAL, PLUMBING, AND IT/TELECOM UTILITIES.
 6. AIRFIELD OPERATIONS: THE CONTRACTOR SHALL COORDINATE AND SCHEDULE GATE CLOSURES WITH THE HAS CONSTRUCTION MANAGER AND HOU AIRPORT OPERATIONS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- OPERATIONS AND SAFETY:**
7. GENERAL: BARRICADES SHALL BE PLACED AT THE DISCRETION OF THE HAS CONSTRUCTION MANAGER IN ACCORDANCE WITH AIRPORT OPERATIONAL REQUIREMENTS AND SPECIFICATIONS. WORK AREAS AND BARRICADE LOCATIONS ARE DEPICTED FOR BIDDING PURPOSES. ACTUAL LIMITS MAY VARY IN THE FIELD AS NECESSARY FOR THE COMPLETION OF WORK AND SHALL BE COORDINATED IN ADVANCE WITH HOU AIRPORT OPERATIONS AND THE HAS CONSTRUCTION MANAGER DURING THE PRE-ACTIVITY MEETING.
 8. GATE CLOSURES: GATE 30 SHALL BE CLOSED.
 9. RUNWAY CLOSURES: RUNWAY 4-22 SHALL BE CLOSED WHEN EQUIPMENT EXCEEDS THE MAXIMUM ALLOWANCE HEIGHT RESTRICTIONS PER THE 7460 DETERMINATION. RUNWAY CLOSURES SHALL BE COORDINATED IN ADVANCE WITH WITH HOU AIRSIDE OPERATIONS STAFF. CONTRACTOR SHALL FOLLOW THE REQUIREMENTS OF THE 7460 DETERMINATION.
 10. TAXIWAY CLOSURES: TAXIWAY Y SHALL BE CLOSED BETWEEN TAXIWAY Z AND RUNWAY 4-22. TAXIWAY K SHALL BE CLOSED NORTHEAST OF TAXIWAY K2. TAXIWAY K1 SHALL BE CLOSED BETWEEN TAXIWAY K AND RUNWAY 4-22.
 11. REQUIREMENTS TO REOPEN: THE CONTRACTOR SHALL COMPLETE THE FOLLOWING ITEMS PRIOR TO RE-OPENING THE GATE TO AIRCRAFT: ALL FOD REMOVED; ALL CONSTRUCTION EQUIPMENT MOVED OUTSIDE OF THE AIRCRAFT PARKING AND GSE OPERATING AREAS; OBTAIN AIRPORT OPERATIONS INSPECTION APPROVAL; REMOVAL OF ALL CLOSURE BARRICADES; CLOSURE NOTAM REMOVED AND OPERATIONAL NOTAMS FILED; AND ALL INCIDENTALS NECESSARY TO COMPLY WITH THE CONTRACT DOCUMENTS.

KEYNOTES

1. PHASE 2 WORK AREA: GATE 30
2. HAUL ROUTE
3. TAXIWAY/TAXILANE OBJECT FREE AREA
4. RUNWAY SAFETY AREA
5. RUNWAY OBJECT FREE AREA
6. RUNWAY OBSTACLE FREE ZONE
7. LOW PROFILE BARRICADE LINE
8. AOA FENCE
9. FLAGGER



HOUSTON AIRPORT SYSTEM
WILLIAM P. HOBBY AIRPORT
HOUSTON TEXAS

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TEXAS P.E. FIRM F-2966

REVISIONS

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR BID	04-04-2022	JLW

**WILLIAM P. HOBBY AIRPORT (HOU)
PASSENGER LOADING BRIDGE REPLACEMENT**

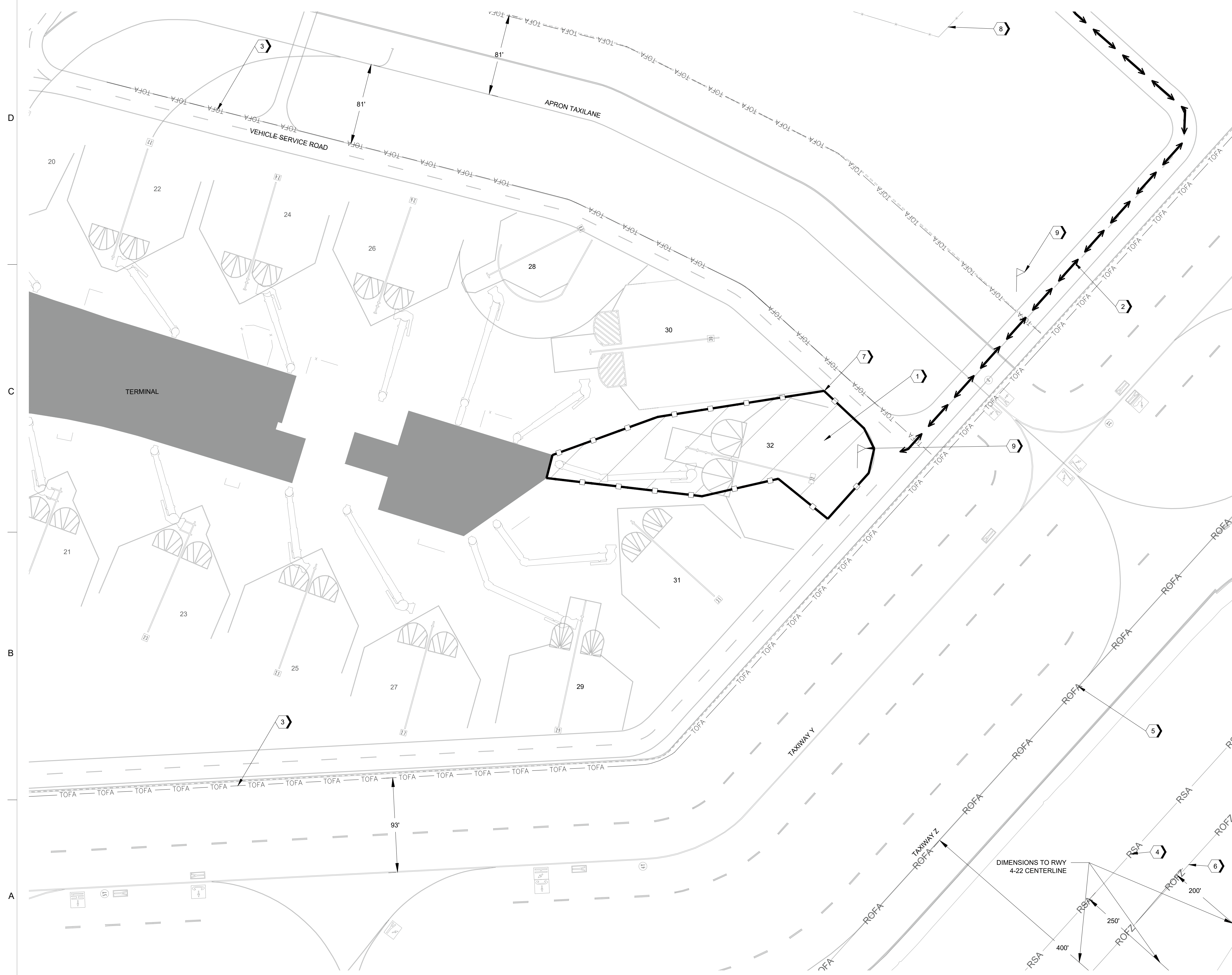
CONSTRUCTION PHASING PLAN 2 - GATE 30

PROJECT MGR:	JLW
DESIGNER:	TRM
DRAWN BY:	TRM
CHECKED BY:	TLM
SCALE:	AS SHOWN
DATE:	APRIL 04, 2022

FIRM REGISTRATION NO. F-2966
JACOBS ENGINEERING GROUP, INC.

APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
JACOBS PROJECT NO:	WHXK7119
C.I.P. NO:	
H.A.S. NO:	PN946B
SHEET NO:	

G-4.02

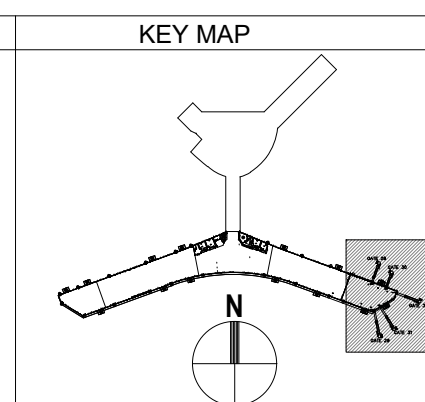
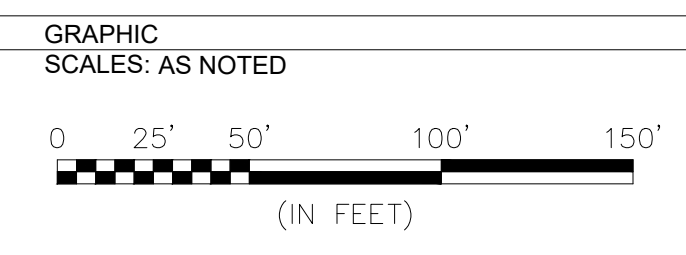


GENERAL NOTES

- CONSTRUCTION PHASING NOTES:**
1. REQUIREMENTS TO START: CONSTRUCTION NOTICE-TO-PROCEED, FILED NOTAM FOR WORK AREA, APPROVED SUBMITTALS INCLUDING SPCD, PRE-CONSTRUCTION MEETING, AND PRE-ACTIVITY MEETING.
 2. TYPICAL WORK HOURS: WORK HOURS SHALL BE 7:00AM TO 5:00PM. CRANE OPERATIONS AND ELECTRICAL SHUTDOWNS SHALL BE COMPLETED DURING RESTRICTED WORK HOURS FROM 12:00AM TO 5:00AM AS COORDINATED AND SCHEDULED DAILY WITH OPERATIONS.
 3. ESTIMATED CONSTRUCTION DURATION: 28 CALENDAR DAYS
 4. WORK AREA PROGRESSIONS: WORK SHALL PROGRESS ONE GATE AT A TIME FROM GATE 28 TO GATE 30, TO GATE 32, TO GATE 31, AND TO GATE 29.
 5. MAJOR ITEMS OF WORK: DISCONNECT ELECTRICAL EQUIPMENT AND UTILITIES FROM EXISTING PLB, GPU, AND PCA. DISCONNECT COMMUNICATION EQUIPMENT AND UTILITIES FROM EXISTING PLB, GPU, AND PCA. DEMOLITION AND REMOVAL OF EXISTING PLB, GPU, AND PCA. INSTALLATION OF NEW PLB, GPU, AND PCA; RE-CONNECT TO ELECTRICAL, PLUMBING, AND IT/TELECOM UTILITIES.
 6. AIRFIELD OPERATIONS: THE CONTRACTOR SHALL COORDINATE AND SCHEDULE GATE CLOSURES WITH THE HAS CONSTRUCTION MANAGER AND HOU AIRPORT OPERATIONS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- OPERATIONS AND SAFETY:**
7. GENERAL: BARRICADES SHALL BE PLACED AT THE DISCRETION OF THE HAS CONSTRUCTION MANAGER IN ACCORDANCE WITH AIRPORT OPERATIONAL REQUIREMENTS AND SPECIFICATIONS. WORK AREAS AND BARRICADE LOCATIONS ARE DEPICTED FOR BIDDING PURPOSES. ACTUAL LIMITS MAY VARY IN THE FIELD AS NECESSARY FOR THE COMPLETION OF WORK AND SHALL BE COORDINATED IN ADVANCE WITH HOU AIRPORT OPERATIONS AND THE HAS CONSTRUCTION MANAGER DURING THE PRE-ACTIVITY MEETING.
 8. GATE CLOSURES: GATE 32 SHALL BE CLOSED.
 9. RUNWAY CLOSURES: RUNWAY 4-22 SHALL BE CLOSED WHEN EQUIPMENT EXCEEDS THE MAXIMUM ALLOWANCE HEIGHT RESTRICTIONS PER THE 7460 DETERMINATION. RUNWAY CLOSURES SHALL BE COORDINATED IN ADVANCE WITH HOU AIRSIDE OPERATIONS STAFF. CONTRACTOR SHALL FOLLOW THE REQUIREMENTS OF THE 7460 DETERMINATION.
 10. TAXIWAY CLOSURES: TAXIWAY Y SHALL BE CLOSED BETWEEN TAXIWAY Z AND RUNWAY 4-22. TAXIWAY K SHALL BE CLOSED NORTHEAST OF TAXIWAY K2. TAXIWAY K1 SHALL BE CLOSED BETWEEN TAXIWAY K AND RUNWAY 4-22.
 11. REQUIREMENTS TO REOPEN: THE CONTRACTOR SHALL COMPLETE THE FOLLOWING ITEMS PRIOR TO RE-OPENING THE GATE TO AIRCRAFT: ALL FOD REMOVED; ALL CONSTRUCTION EQUIPMENT MOVED OUTSIDE OF THE AIRCRAFT PARKING AND GSE OPERATING AREAS; OBTAIN AIRPORT OPERATIONS INSPECTION APPROVAL; REMOVAL OF ALL CLOSURE BARRICADES; CLOSURE NOTAM REMOVED AND OPERATIONAL NOTAMS FILED; AND ALL INCIDENTALS NECESSARY TO COMPLY WITH THE CONTRACT DOCUMENTS.

KEYNOTES

1. PHASE 3 WORK AREA: GATE 32
2. HAUL ROUTE
3. TAXIWAY/TAXILANE OBJECT FREE AREA
4. RUNWAY SAFETY AREA
5. RUNWAY OBJECT FREE AREA
6. RUNWAY OBSTACLE FREE ZONE
7. LOW PROFILE BARRICADE LINE
8. AOA FENCE
9. FLAGGER



A1 CONSTRUCTION PHASING PLAN 3 - GATE 32
1" = 50'

HOUSTON AIRPORT SYSTEM
WILLIAM P. HOBBY AIRPORT
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TEXAS P.E. FIRM F-2966

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR BID	04-04-2022	JLW

WILLIAM P. HOBBY AIRPORT (HOU)
PASSENGER LOADING BRIDGE REPLACEMENT

CONSTRUCTION PHASING PLAN 3 - GATE 32

PROJECT MGR:	JLW
DESIGNER:	TRM
DRAWN BY:	TRM
CHECKED BY:	TLM
SCALE:	AS SHOWN
DATE:	APRIL 04, 2022

APPROVED BY: _____ DATE: _____

DIRECTOR
HOUSTON AIRPORT SYSTEM

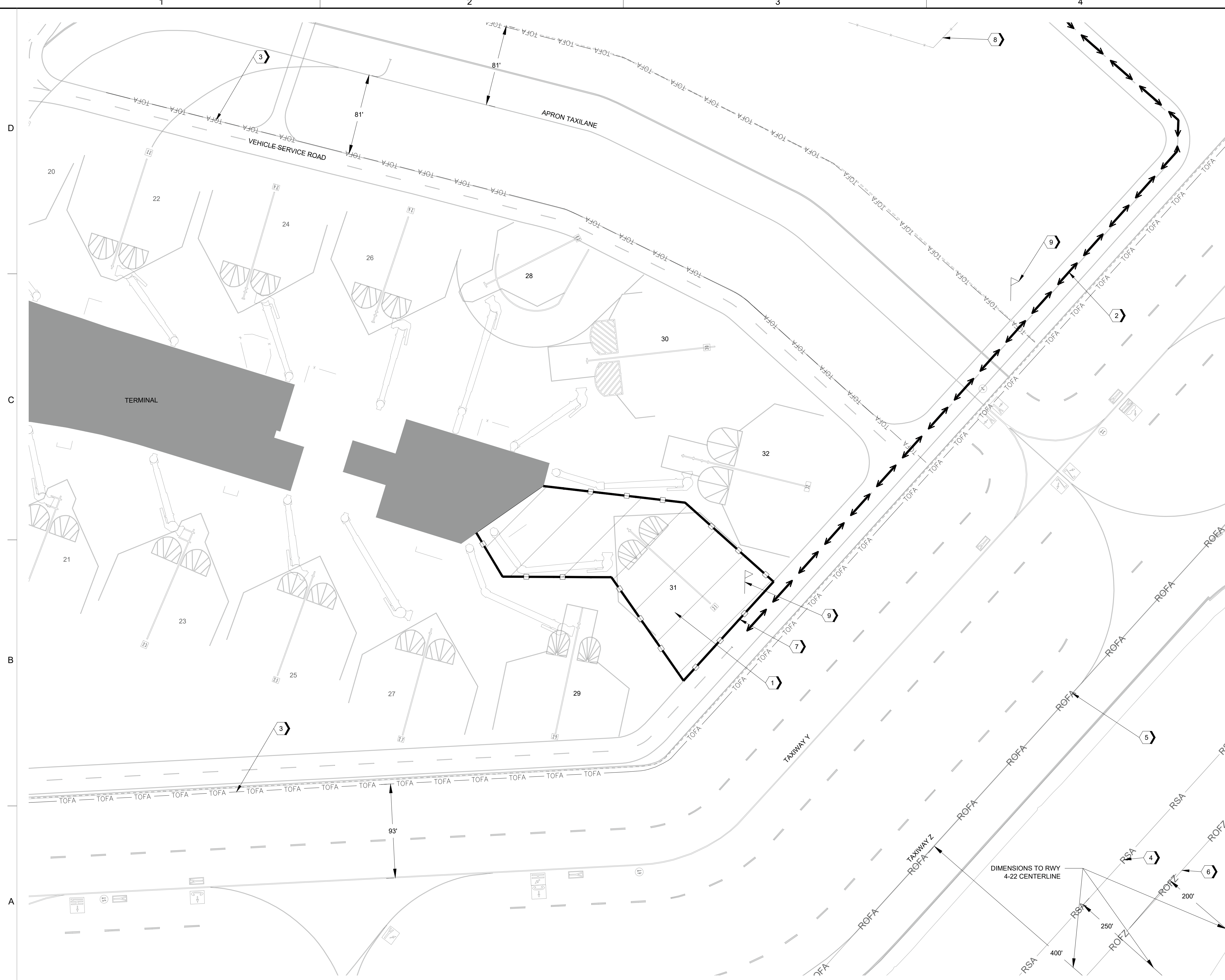
JACOBS PROJECT NO:
WHXK7119

C.I.P. NO: _____

H.A.S. NO:
PN946B

SHEET NO: _____

G-4.03



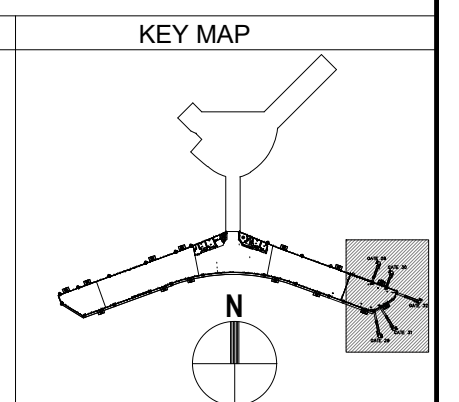
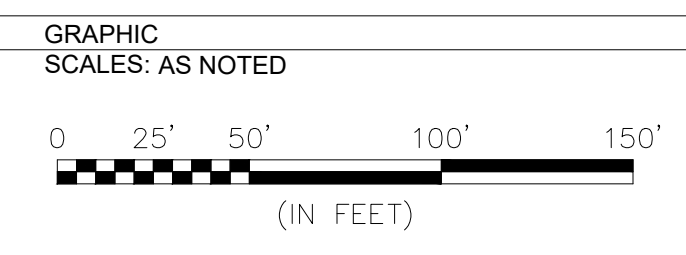
A1 CONSTRUCTION PHASING PLAN 4 - GATE 31
1" = 50'

GENERAL NOTES

- CONSTRUCTION PHASING NOTES:**
1. REQUIREMENTS TO START: CONSTRUCTION NOTICE-TO-PROCEED, FILED NOTAM FOR WORK AREA, APPROVED SUBMITTALS INCLUDING SPCD, PRE-CONSTRUCTION MEETING, AND PRE-ACTIVITY MEETING.
 2. TYPICAL WORK HOURS: WORK HOURS SHALL BE 7:00AM TO 5:00PM. CRANE OPERATIONS AND ELECTRICAL SHUTDOWNS SHALL BE COMPLETED DURING RESTRICTED WORK HOURS FROM 12:00AM TO 5:00AM AS COORDINATED AND SCHEDULED DAILY WITH OPERATIONS.
 3. ESTIMATED CONSTRUCTION DURATION: 28 CALENDAR DAYS
 4. WORK AREA PROGRESSIONS: WORK SHALL PROGRESS ONE GATE AT A TIME FROM GATE 28 TO GATE 30, TO GATE 32, TO GATE 31, AND TO GATE 29.
 5. MAJOR ITEMS OF WORK: DISCONNECT ELECTRICAL EQUIPMENT AND UTILITIES FROM EXISTING PLB, GPU, AND PCA. DISCONNECT COMMUNICATION EQUIPMENT AND UTILITIES FROM EXISTING PLB, GPU, AND PCA. DEMOLITION AND REMOVAL OF EXISTING PLB, GPU, AND PCA. INSTALLATION OF NEW PLB, GPU, AND PCA; RE-CONNECT TO ELECTRICAL, PLUMBING, AND IT/TELECOM UTILITIES.
 6. AIRFIELD OPERATIONS: THE CONTRACTOR SHALL COORDINATE AND SCHEDULE GATE CLOSURES WITH THE HAS CONSTRUCTION MANAGER AND HOU AIRPORT OPERATIONS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- OPERATIONS AND SAFETY:**
7. GENERAL: BARRICADES SHALL BE PLACED AT THE DISCRETION OF THE HAS CONSTRUCTION MANAGER IN ACCORDANCE WITH AIRPORT OPERATIONAL REQUIREMENTS AND SPECIFICATIONS. WORK AREAS AND BARRICADE LOCATIONS ARE DEPICTED FOR BIDDING PURPOSES. ACTUAL LIMITS MAY VARY IN THE FIELD AS NECESSARY FOR THE COMPLETION OF WORK AND SHALL BE COORDINATED IN ADVANCE WITH HOU AIRPORT OPERATIONS AND THE HAS CONSTRUCTION MANAGER DURING THE PRE-ACTIVITY MEETING.
 8. GATE CLOSURES: GATE 31 SHALL BE CLOSED.
 9. RUNWAY CLOSURES: RUNWAY 4-22 SHALL BE CLOSED WHEN EQUIPMENT EXCEEDS THE MAXIMUM ALLOWANCE HEIGHT RESTRICTIONS PER THE 7460 DETERMINATION. RUNWAY CLOSURES SHALL BE COORDINATED IN ADVANCE WITH WITH HOU AIRSIDE OPERATIONS STAFF. CONTRACTOR SHALL FOLLOW THE REQUIREMENTS OF THE 7460 DETERMINATION.
 10. TAXIWAY CLOSURES: TAXIWAY Y SHALL BE CLOSED BETWEEN TAXIWAY Z AND RUNWAY 4-22. TAXIWAY K SHALL BE CLOSED NORTHEAST OF TAXIWAY K2. TAXIWAY K1 SHALL BE CLOSED BETWEEN TAXIWAY K AND RUNWAY 4-22.
 11. REQUIREMENTS TO REOPEN: THE CONTRACTOR SHALL COMPLETE THE FOLLOWING ITEMS PRIOR TO RE-OPENING THE GATE TO AIRCRAFT: ALL FOD REMOVED; ALL CONSTRUCTION EQUIPMENT MOVED OUTSIDE OF THE AIRCRAFT PARKING AND GSE OPERATING AREAS; OBTAIN AIRPORT OPERATIONS INSPECTION APPROVAL; REMOVAL OF ALL CLOSURE BARRICADES; CLOSURE NOTAM REMOVED AND OPERATIONAL NOTAMS FILED; AND ALL INCIDENTALS NECESSARY TO COMPLY WITH THE CONTRACT DOCUMENTS.

KEYNOTES

1. PHASE 4 WORK AREA: GATE 31
2. HAUL ROUTE
3. TAXIWAY/TAXILANE OBJECT FREE AREA
4. RUNWAY SAFETY AREA
5. RUNWAY OBJECT FREE AREA
6. RUNWAY OBSTACLE FREE ZONE
7. LOW PROFILE BARRICADE LINE
8. AOA FENCE
9. FLAGGER

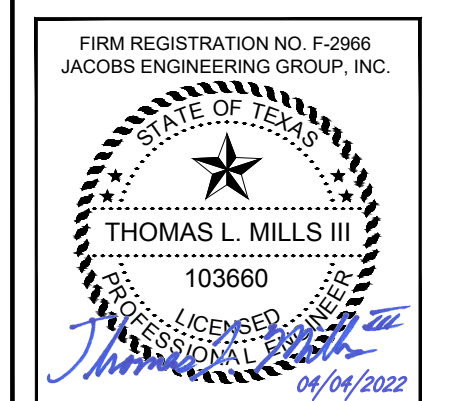


REVISIONS

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR BID	04-04-2022	JLW

WILLIAM P. HOBBY AIRPORT (HOU)
PASSENGER LOADING BRIDGE REPLACEMENT
CONSTRUCTION PHASING PLAN 4 - GATE 31

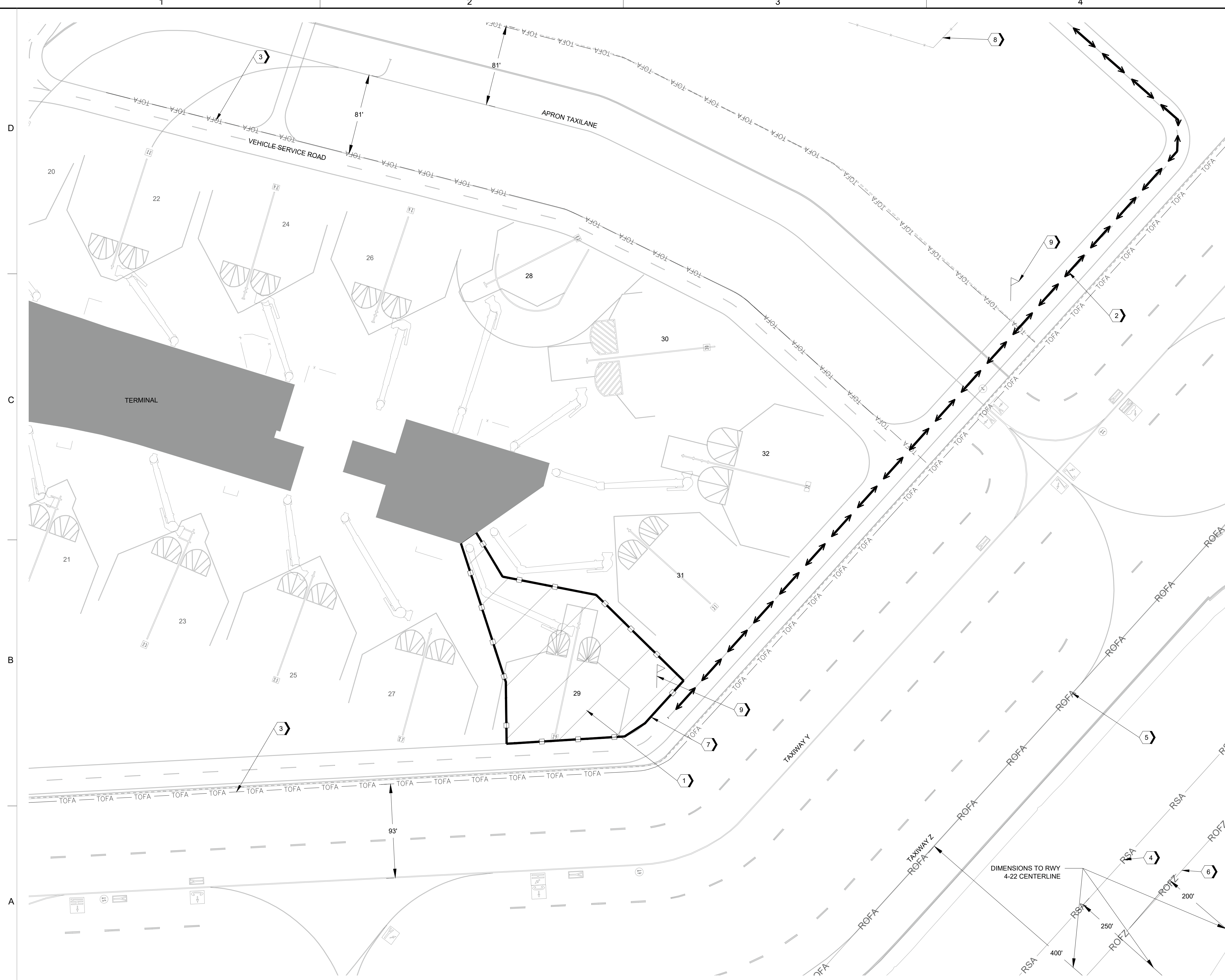
PROJECT MGR: JLW
DESIGNER: TRM
DRAWN BY: TRM
CHECKED BY: TLM
SCALE: AS SHOWN
DATE: APRIL 04, 2022



APPROVED BY: _____ DATE: _____

DIRECTOR
HOUSTON AIRPORT SYSTEM

JACOBS PROJECT NO: WHXK7119
C.I.P. NO: _____
H.A.S. NO: PN946B
SHEET NO: _____



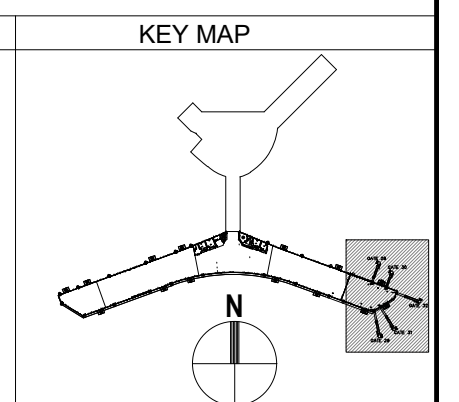
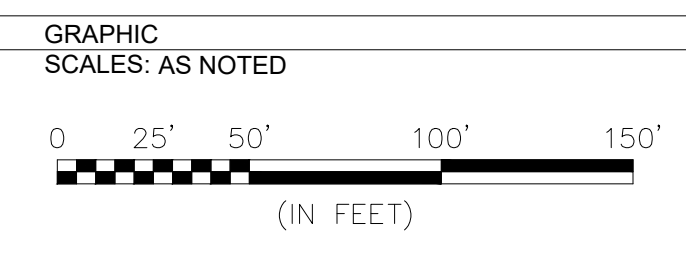
A1 CONSTRUCTION PHASING PLAN 5 - GATE 29
1" = 50'

GENERAL NOTES

- CONSTRUCTION PHASING NOTES:**
1. REQUIREMENTS TO START: CONSTRUCTION NOTICE-TO-PROCEED, FILED NOTAM FOR WORK AREA, APPROVED SUBMITTALS INCLUDING SPCD, PRE-CONSTRUCTION MEETING, AND PRE-ACTIVITY MEETING.
 2. TYPICAL WORK HOURS: WORK HOURS SHALL BE 7:00AM TO 5:00PM. CRANE OPERATIONS AND ELECTRICAL SHUTDOWNS SHALL BE COMPLETED DURING RESTRICTED WORK HOURS FROM 12:00AM TO 5:00AM AS COORDINATED AND SCHEDULED DAILY WITH OPERATIONS.
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 4. WORK AREA PROGRESSIONS: WORK SHALL PROGRESS ONE GATE AT A TIME FROM GATE 28 TO GATE 30, TO GATE 32, TO GATE 31, AND TO GATE 29.
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- OPERATIONS AND SAFETY:**
7. GENERAL: BARRICADES SHALL BE PLACED AT THE DISCRETION OF THE HAS CONSTRUCTION MANAGER IN ACCORDANCE WITH AIRPORT OPERATIONAL REQUIREMENTS AND SPECIFICATIONS. WORK AREAS AND BARRICADE LOCATIONS ARE DEPICTED FOR BIDDING PURPOSES. ACTUAL LIMITS MAY VARY IN THE FIELD AS NECESSARY FOR THE COMPLETION OF WORK AND SHALL BE COORDINATED IN ADVANCE WITH HOU AIRPORT OPERATIONS AND THE HAS CONSTRUCTION MANAGER DURING THE PRE-ACTIVITY MEETING.
 8. GATE CLOSURES: GATE 29 SHALL BE CLOSED.
 9. RUNWAY CLOSURES: RUNWAY 4-22 SHALL BE CLOSED WHEN EQUIPMENT EXCEEDS THE MAXIMUM ALLOWANCE HEIGHT RESTRICTIONS PER THE 7460 DETERMINATION. RUNWAY CLOSURES SHALL BE COORDINATED IN ADVANCE WITH WITH HOU AIRSIDE OPERATIONS STAFF. CONTRACTOR SHALL FOLLOW THE REQUIREMENTS OF THE 7460 DETERMINATION.
 10. TAXIWAY CLOSURES: TAXIWAY Y SHALL BE CLOSED BETWEEN TAXIWAY Z AND RUNWAY 4-22. TAXIWAY K SHALL BE CLOSED NORTHEAST OF TAXIWAY K2. TAXIWAY K1 SHALL BE CLOSED BETWEEN TAXIWAY K AND RUNWAY 4-22.
 11. REQUIREMENTS TO REOPEN: THE CONTRACTOR SHALL COMPLETE THE FOLLOWING ITEMS PRIOR TO RE-OPENING THE GATE TO AIRCRAFT: ALL FOD REMOVED; ALL CONSTRUCTION EQUIPMENT MOVED OUTSIDE OF THE AIRCRAFT PARKING AND GSE OPERATING AREAS; OBTAIN AIRPORT OPERATIONS INSPECTION APPROVAL; REMOVAL OF ALL CLOSURE BARRICADES; CLOSURE NOTAM REMOVED AND OPERATIONAL NOTAMS FILED; AND ALL INCIDENTALS NECESSARY TO COMPLY WITH THE CONTRACT DOCUMENTS.

KEYNOTES

1. PHASE 5 WORK AREA: GATE 29
2. HAUL ROUTE
3. TAXIWAY/TAXILANE OBJECT FREE AREA
4. RUNWAY SAFETY AREA
5. RUNWAY OBJECT FREE AREA
6. RUNWAY OBSTACLE FREE ZONE
7. LOW PROFILE BARRICADE LINE
8. AOA FENCE
9. FLAGGER



HOUSTON AIRPORT SYSTEM
WILLIAM P. HOBBY AIRPORT
HOUSTON TEXAS

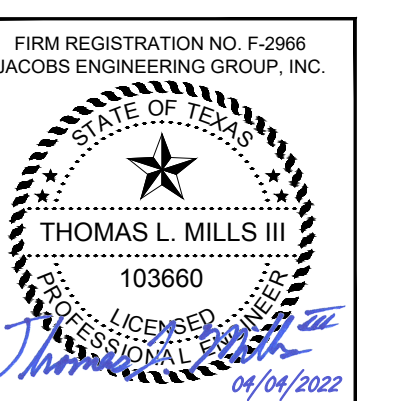
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HOUSTON, TEXAS 77072
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TEXAS P.E. FIRM F-2966

REVISIONS

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR BID	04-04-2022	JLW

WILLIAM P. HOBBY AIRPORT (HOU)
PASSENGER LOADING BRIDGE REPLACEMENT
CONSTRUCTION PHASING PLAN 5 - GATE 29

PROJECT MGR: JLW
DESIGNER: TRM
DRAWN BY: TRM
CHECKED BY: TLM
SCALE: AS SHOWN
DATE: APRIL 04, 2022



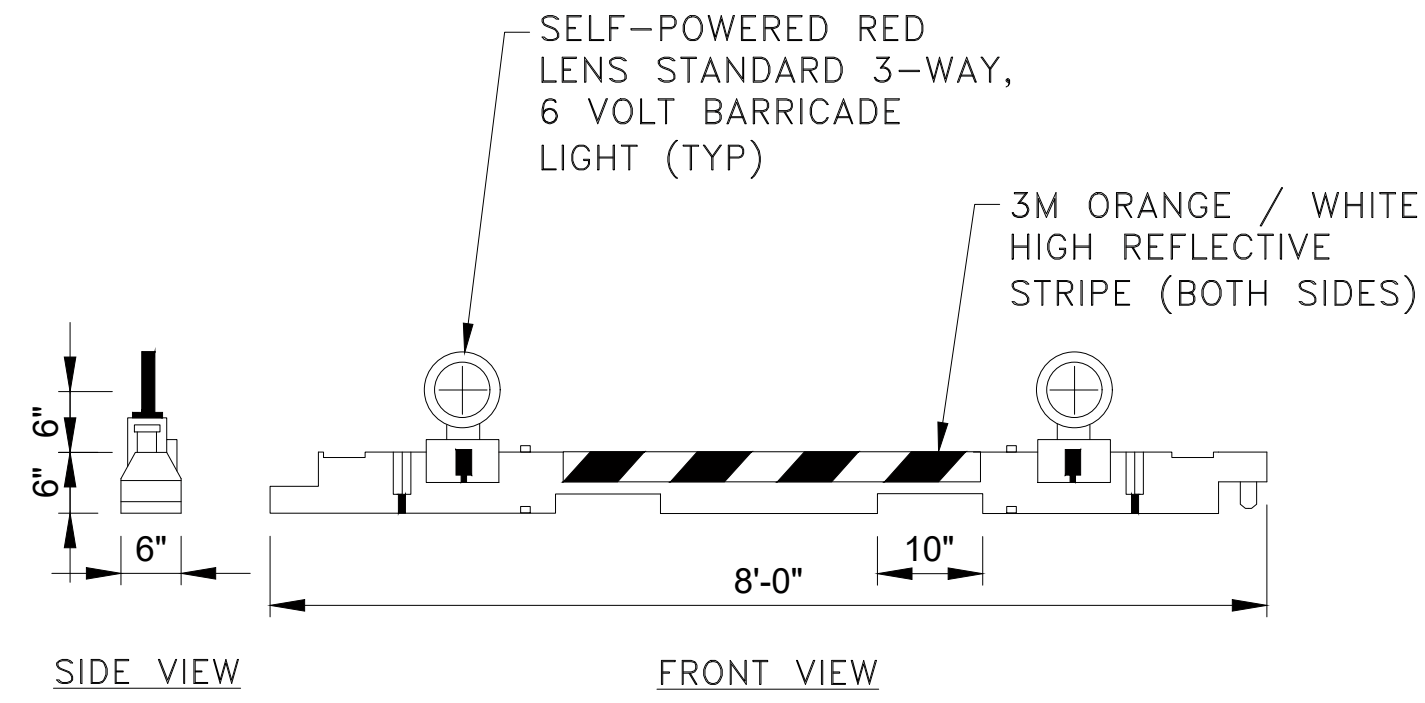
APPROVED BY: _____ DATE: _____

DIRECTOR
HOUSTON AIRPORT SYSTEM

JACOBS PROJECT NO: WHXK7119
C.I.P. NO: _____
H.A.S. NO: PN946B
SHEET NO: _____

G-4.05

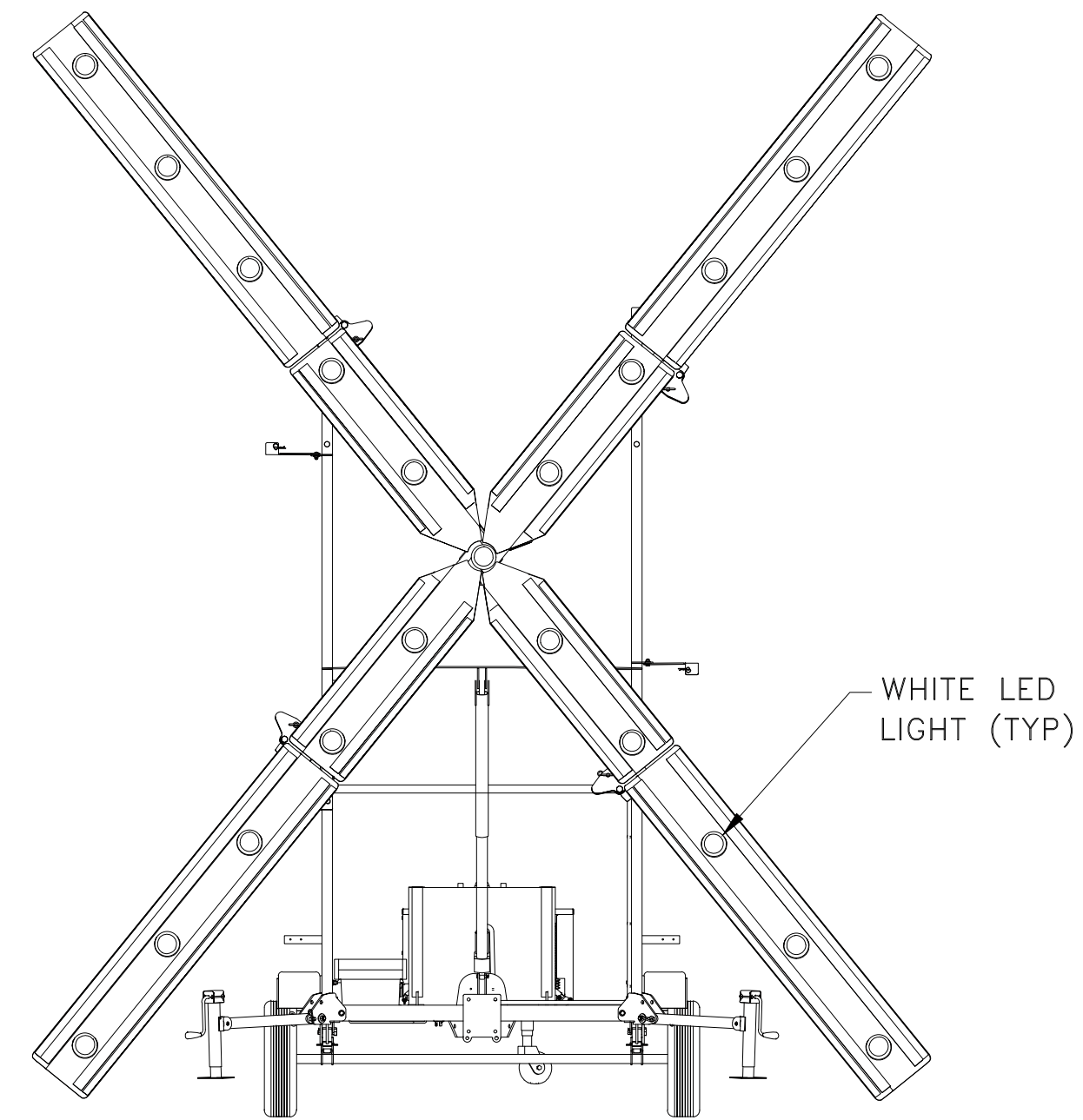
REVISIONS		
NO.	DESCRIPTION	DATE BY
1	ISSUED FOR BID	04-04-2022 JLW



NOTES:

1. BARRICADES SEPARATING THE CONSTRUCTION AREA FROM THE EXISTING PAVEMENT SHALL BE CONTINUOUSLY CONNECTED END-TO-END WITH NO SPACING BETWEEN THEM.
2. BARRICADE STRIPING SHALL BE ORANGE AND WHITE CONFORMING TO FAA AC 150/5370-2G (OR LATEST EDITION) OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION.
3. THE REQUIRED LIGHTS MUST BE RED AND FLASHING. INTENSITIES AND LUMINANCE MUST BE AT LEAST FIVE CANDELAS EFFECTIVE INTENSITY AND FLASH AT A RATE OF FROM 55 TO 160 FLASHES PER MINUTE.
4. LIGHTS MUST BE OPERATED BETWEEN SUNSET AND SUNRISE AND DURING PERIODS OF LOW VISIBILITY WHENEVER THE AIRPORT IS OPEN FOR OPERATIONS.
5. ALL BARRICADES SHALL BE FILLED WITH WATER UNLESS OTHERWISE DIRECTED BY HOU AIRPORT OPERATIONS.

B1 LOW-PROFILE BARRICADE DETAIL
 SCALE: NONE



NOTES:

1. CONTRACTOR SHALL PLACE LIGHTED RUNWAY CLOSURE MARKER AT EACH END OF CLOSED RUNWAY IN ACCORDANCE WITH THE PHASING PLANS. LIGHTED CLOSURE MARKERS SHALL BE PLACED ON TOP OF THE PAINTED NUMBER DESIGNATOR FOR EACH RUNWAY END, UNLESS OTHERWISE SHOWN. CONTRACTOR SHALL ALSO TEMPORARILY DISCONNECT POWER OF RUNWAY LIGHTS AT VAULT TO PREVENT THE POSSIBILITY OF THEM TURNING ON AND CREATING A POTENTIAL RUNWAY INCURSION. FOLLOW APPLICABLE HAS "LOCKOUT" - "TAG-OUT" PROCEDURES.
2. THE CONTRACTOR SHALL MAINTAIN THE LIGHTED RUNWAY CLOSURE MARKERS UNTIL COMPLETION OF THE RUNWAY CLOSURE AND REMOVE AT END OF CLOSURE IN ACCORDANCE WITH PHASING PLANS AND AS DIRECTED BY AIRPORT OPERATIONS.
3. LIGHTED RUNWAY CLOSURE MARKERS SHALL BE LIT DURING SCHEDULED CLOSURES.
4. LIGHTED RUNWAY CLOSURE MARKERS SHALL MEET THE FOLLOWING FAA STANDARDS:
 - FAA ADVISORY CIRCULAR AC 150/5345-55A, 'SPECIFICATION FOR L-893, LIGHTED VISUAL AID TO INDICATE TEMPORARY RUNWAY CLOSURE'
 - FAA ADVISORY CIRCULAR AC 150/5345-53D, 'AIRPORT LIGHTING EQUIPMENT CERTIFICATION PROGRAM'
 - FAA ENGINEERING BRIEF 67D, 'LIGHT SOURCES OTHER THAN INCANDESCENT AND XENON FOR AIRPORT AND OBSTRUCTION LIGHTING FIXTURES'

B4 LIGHTED RUNWAY CLOSURE DEVICE DETAIL
 SCALE: NONE

WILLIAM P. HOBBY AIRPORT (HOU)
 PASSENGER LOADING BRIDGE REPLACEMENT
 CONSTRUCTION SAFETY AND PHASING DETAILS

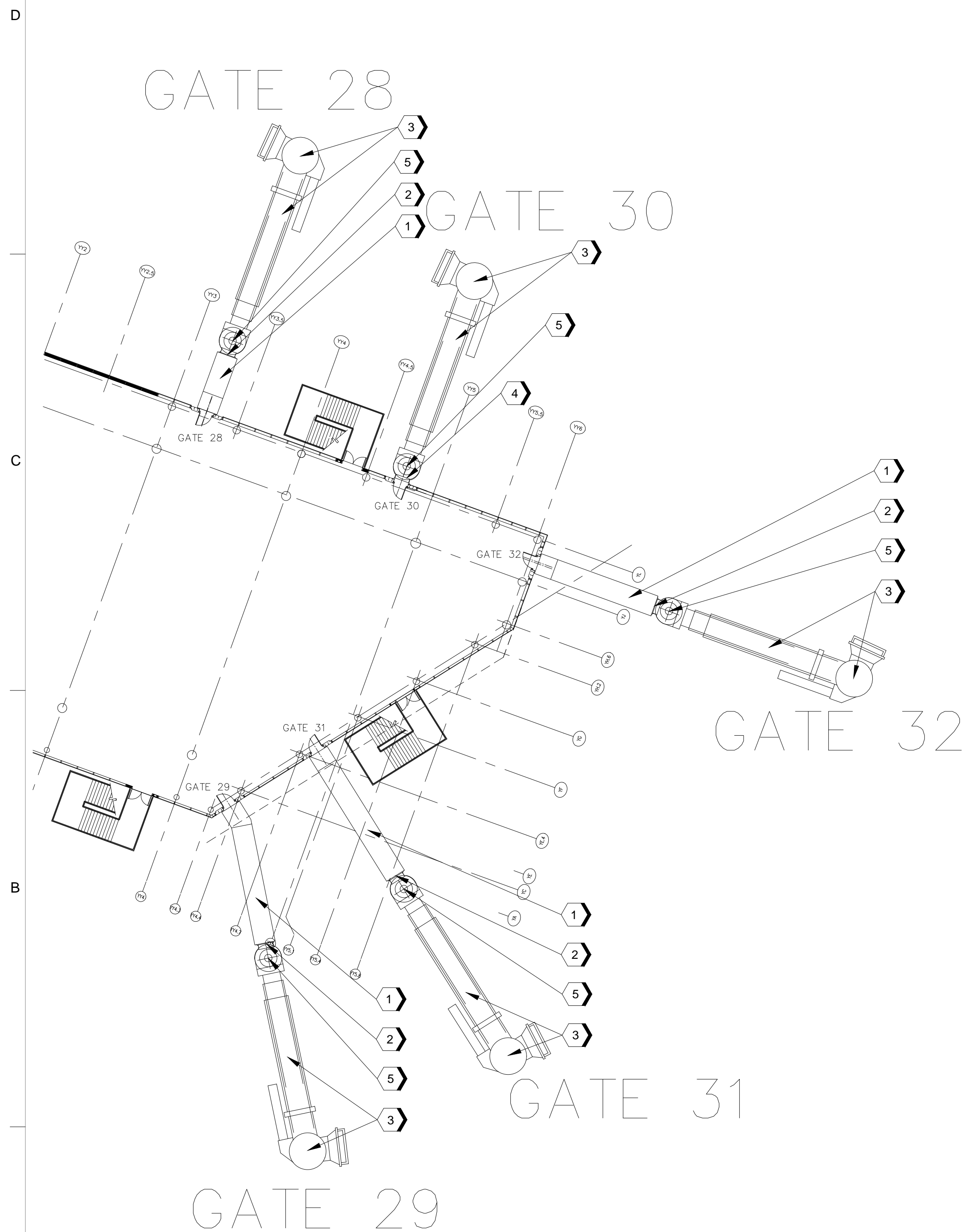
PROJECT MGR:	JLW
DESIGNER:	TRM
DRAWN BY:	TRM
CHECKED BY:	TLM
SCALE:	AS SHOWN
DATE:	APRIL 04, 2022



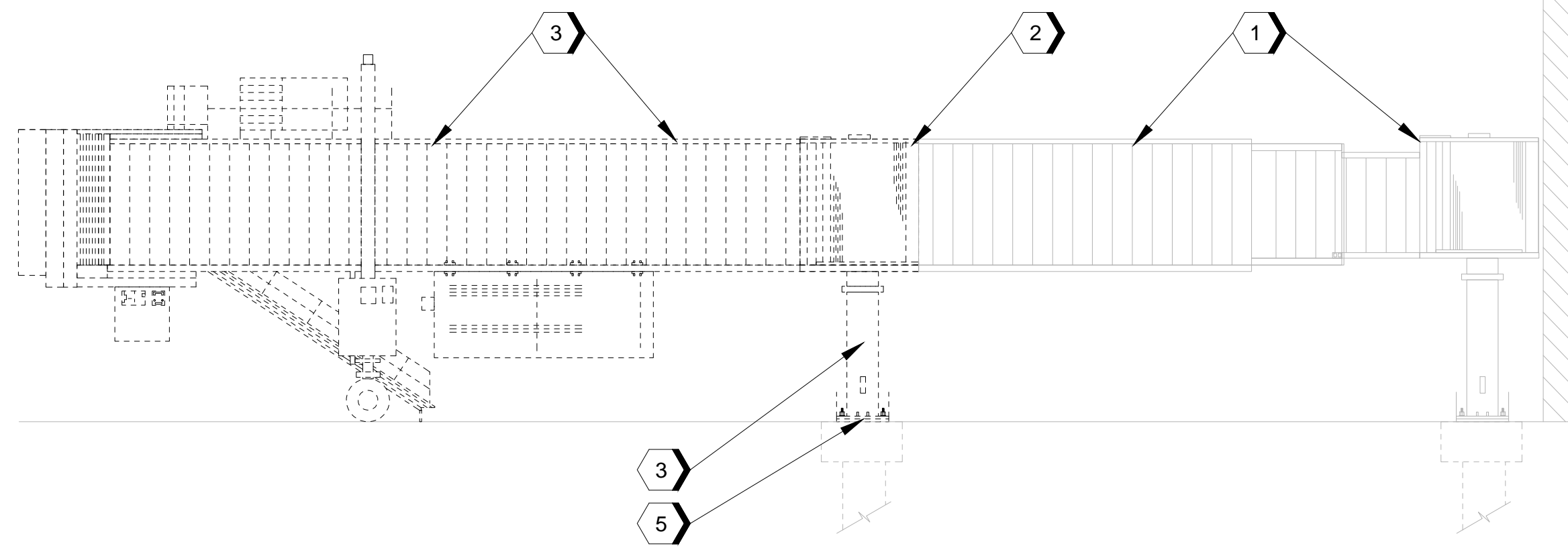
APPROVED BY: _____ DATE: _____

DIRECTOR
 HOUSTON AIRPORT SYSTEM

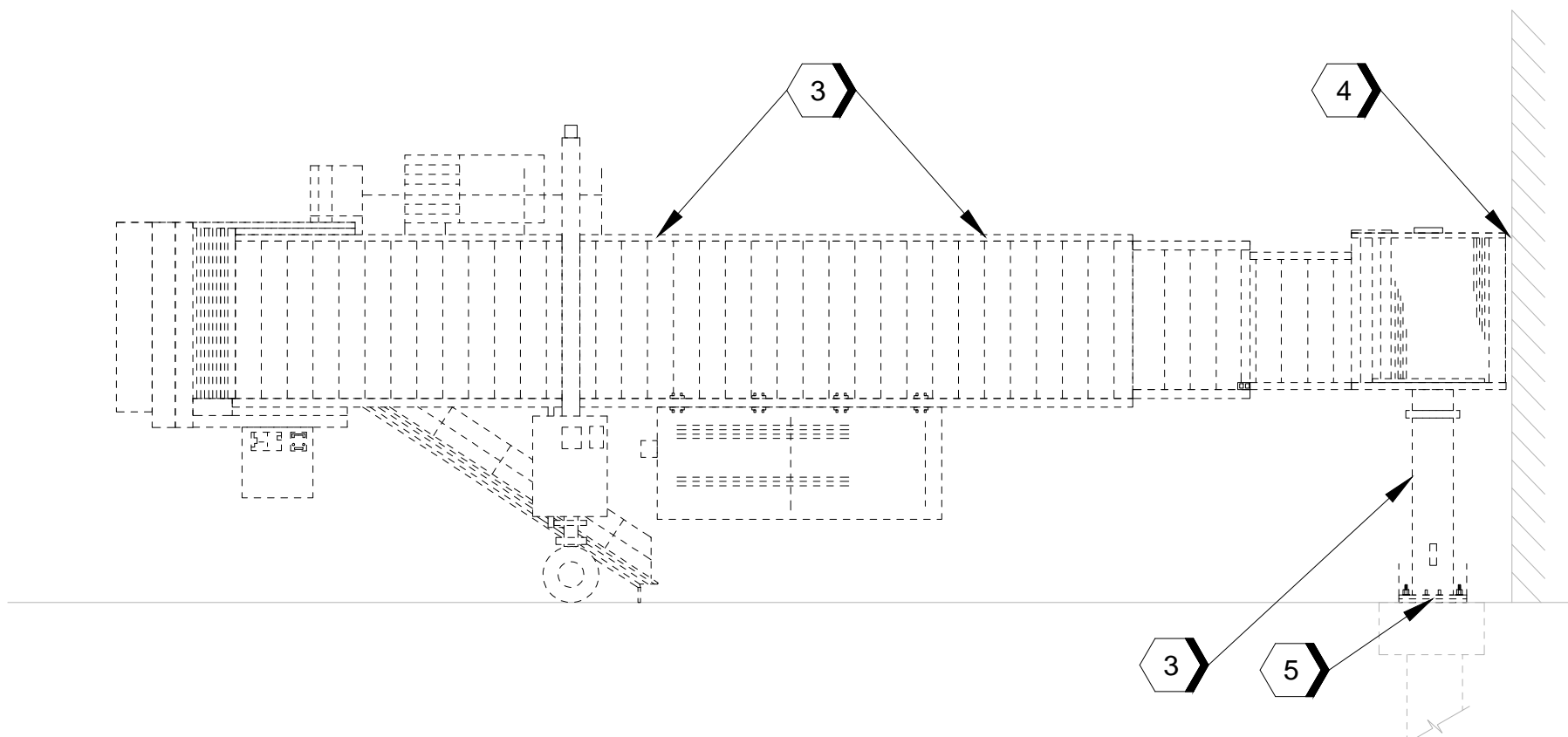
JACOBS PROJECT NO:
 WHXK7119
 C.I.P. NO:
 H.A.S. NO:
 PN946B
 SHEET NO:



A1 DEMO SITE PLAN
N.T.S.



A3 DEMO ELEVATION EXISTING PASSENGER LOADING BRIDGE GATES 28, 29, 31, AND 32
N.T.S.



A3 DEMO ELEVATION EXISTING PASSENGER LOADING BRIDGE GATE 30
N.T.S.

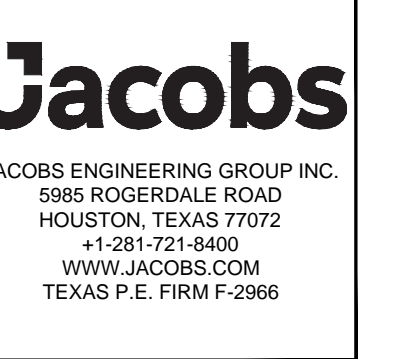
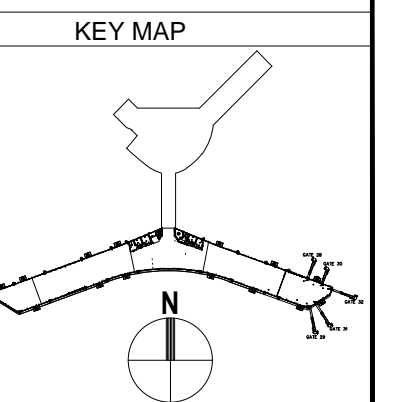
GENERAL NOTES

1. THIS DRAWING IS ONLY TO ASSIST IN SHOWING THE SCOPE OF DEMOLITION WORK AND IT IS NOT INTENDED TO INDICATE ALL DEMOLITION. CONTRACTOR SHALL REMOVE ALL EXISTING ITEMS AS REQUIRED TO COMPLETE THE JOB.
2. NOT ALL THE ITEMS TO BE DEMOLISHED ARE SHOWN ON THE PLAN. CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING A WALK THRU OF THE PROJECT, TO IDENTIFY POSSIBLE CRITICAL ITEMS NOT OR INCORRECTLY ADDRESSED, WHICH REQUIRES REMOVAL RELOCATION PRIOR TO SUBMITTING A BID TO THE OWNER.
3. CUT, REMOVE, PATCH, AND REFINISH EXISTING CONSTRUCTION AS REQUIRED LEAVE WORK COMPLETE AND IN SATISFACTORY CONDITION.
4. CONTRACTOR IS TO PROTECT ALL UTILITIES.
5. PATCH AND REPAIR ALL EXISTING SURFACES DAMAGED BY DEMOLITION AND / OR INSTALLATION OF NEW ELECTRICAL CONDUITS, PLUMBING, DISCONNECT PANELS, IT/TELECOM AND ELECTRICAL CABLES, PASSENGER LOADING BRIDGES, GROUND POWER AND PRE-CONDITIONED AIR UNITS, ETC.
6. COORDINATE ALL DEMOLITION, REPAIR, REPLACEMENT, AND RELOCATION OF ELECTRICAL SYSTEMS WITH ELECTRICAL DRAWINGS. REFER TO ELECTRICAL DRAWINGS FOR REMOVAL, RELOCATION, OR MODIFICATION OF ANY ELECTRICAL EQUIPMENT OR WIRING.
7. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE SUPPLIED, INSTALLED, CONNECTED, ERECTED, USED, CLEANED, CONDITIONED, AND COMMISSIONED AS DIRECTED BY THE MANUFACTURERS, UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS.
8. DISCREPANCIES:
 - a. SHOULD A DISCREPANCY OR CONFLICT BE DISCOVERED IN THE CONTRACT DOCUMENTS THE MORE STRICT REQUIREMENTS SHALL APPLY. CONTRACTOR SHALL NOTIFY ENGINEER FOR CLARIFICATION PRIOR TO BIDDING OF ANY DISCREPANCIES IN THESE DRAWINGS. BID SHALL BE BASED ON THE MOST STRINGENT REQUIREMENT.
 - b. THE CONTRACTOR SHALL HAVE ALL ITEMS OR DETAILS CLARIFIED WITH THE ENGINEER AND OWNER PRIOR TO SUBMITTING A BID, OTHERWISE THE ENGINEER'S AND OWNER'S INTERPRETATION SHALL BE FINAL.
 - c. ON-SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER AT ONCE BEFORE PROCEEDING.
9. EQUIPMENT OF OTHERS AND AREAS ADJACENT TO THE CONSTRUCTION AREA SHALL BE PROTECTED AND RESTORED IF DAMAGED IN THE COURSE OF CONSTRUCTION, TO THE SATISFACTION OF THE OWNER.
10. ALL NEW INTERIOR AND EXTERIOR MATERIALS AND COLOR FINISHES SHALL BE COORDINATED WITH THE OWNER / ARCHITECT.

KEYNOTES

1. EXISTING PASSENGER LOADING BRIDGE FIXED TO WALKWAY TO REMAIN.
2. EXISTING SEAL TO BE REPLACED WITH NEW.
3. EXISTING PASSENGER LOADING BRIDGE TO BE REMOVED AND REPLACED WITH NEW.
4. EXISTING SEAL AND FLASHING AT GATE 30 TO BE REMOVED AND REPLACED WITH NEW.
5. EXISTING GROUT TO BE REMOVED AND REPLACED WITH NEW.

GRAPHIC SCALES:



REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR BID	04-04-2022	JLW

WILLIAM P. HOBBY AIRPORT (HOU)
 PASSENGER LOADING BRIDGE REPLACEMENT
 ARCHITECTURAL DEMOLITION SITE PLAN AND ELEVATIONS

PROJECT MGR:	JLW
DESIGNER:	RC
DRAWN BY:	RC
CHECKED BY:	DJ
SCALE:	AS SHOWN
DATE:	APRIL 04, 2022



APPROVED BY: _____ DATE: _____

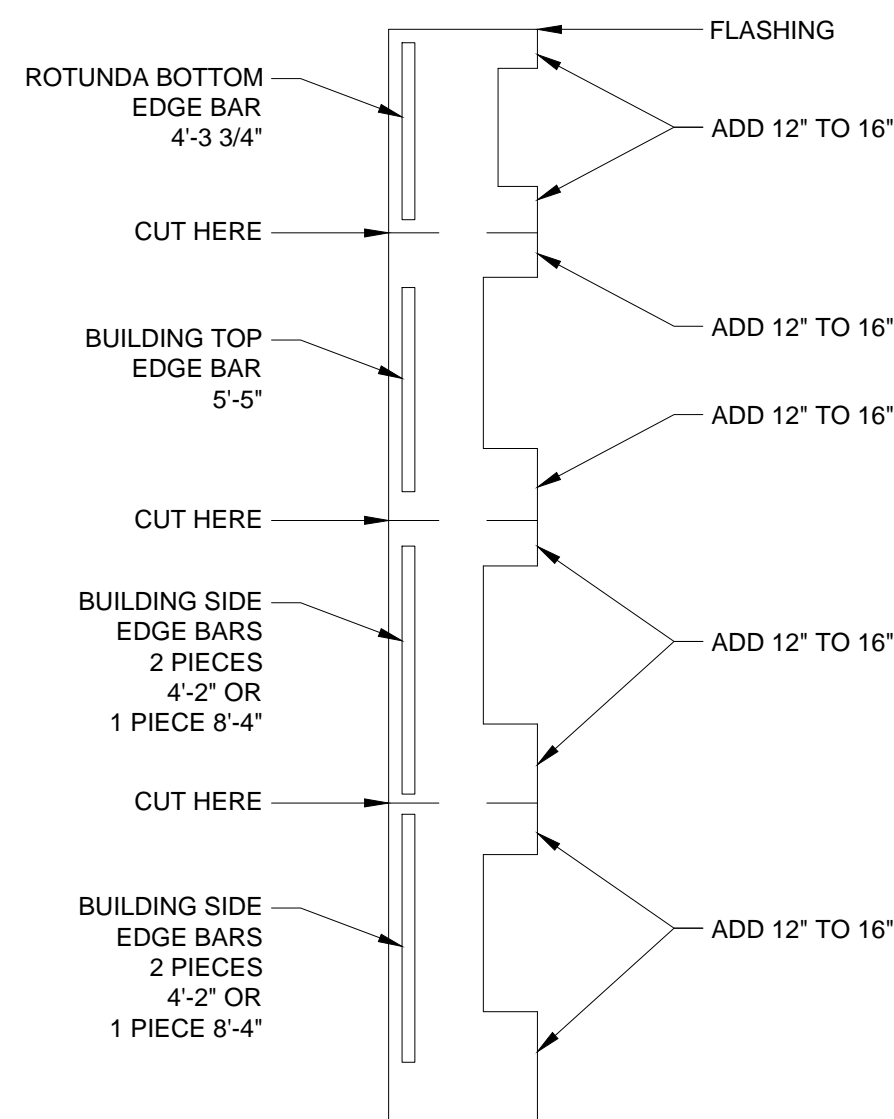
DIRECTOR
HOUSTON AIRPORT SYSTEM

JACOBS PROJECT NO:
WHXK7119
C.I.P. NO:
H.A.S. NO:
PN946B
SHEET NO:

AD-1.01

D

C



FLASHING MATERIAL CUTTING INSTRUCTIONS

C1
N.T.S.

GENERAL NOTES

- THIS DRAWING IS ONLY TO ASSIST IN SHOWING THE SCOPE OF WORK AND IT IS NOT INTENDED TO INDICATE COMPLETE INSTALLATION METHODS.
- CONTRACTOR SHALL FOLLOW INSTALLATION METHODS AS PROVIDED BY THE MANUFACTURER.
- INTERIOR AND EXTERIOR METAL FLASHING COLOR TO BE COORDINATED WITH THE OWNER / ARCHITECT TO MATCH FINISHES.

HOUSTON AIRPORT SYSTEM
WILLIAM P. HOBBY AIRPORT
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REVISIONS

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR BID	04-04-2022	JLW

WILLIAM P. HOBBY AIRPORT (HOU)
PASSENGER LOADING BRIDGE REPLACEMENT
ARCHITECTURAL FLASHING DETAILS

PROJECT MGR: JLW
DESIGNER: RC
DRAWN BY: RC
CHECKED BY: DJ
SCALE: AS SHOWN
DATE: APRIL 04, 2022



APPROVED BY: DATE:

DIRECTOR
HOUSTON AIRPORT SYSTEM

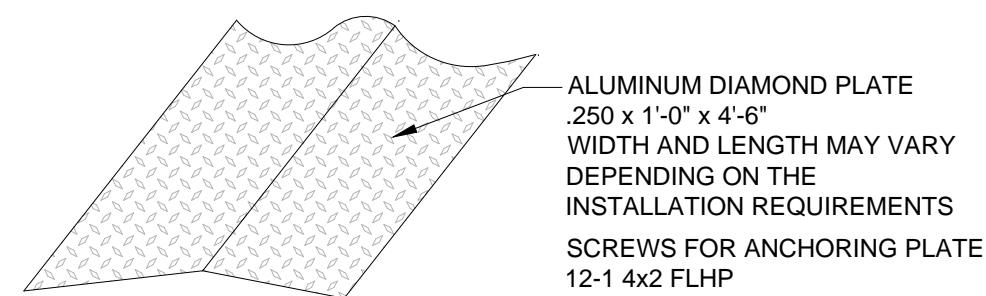
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WHXK7119

C.I.P. NO:

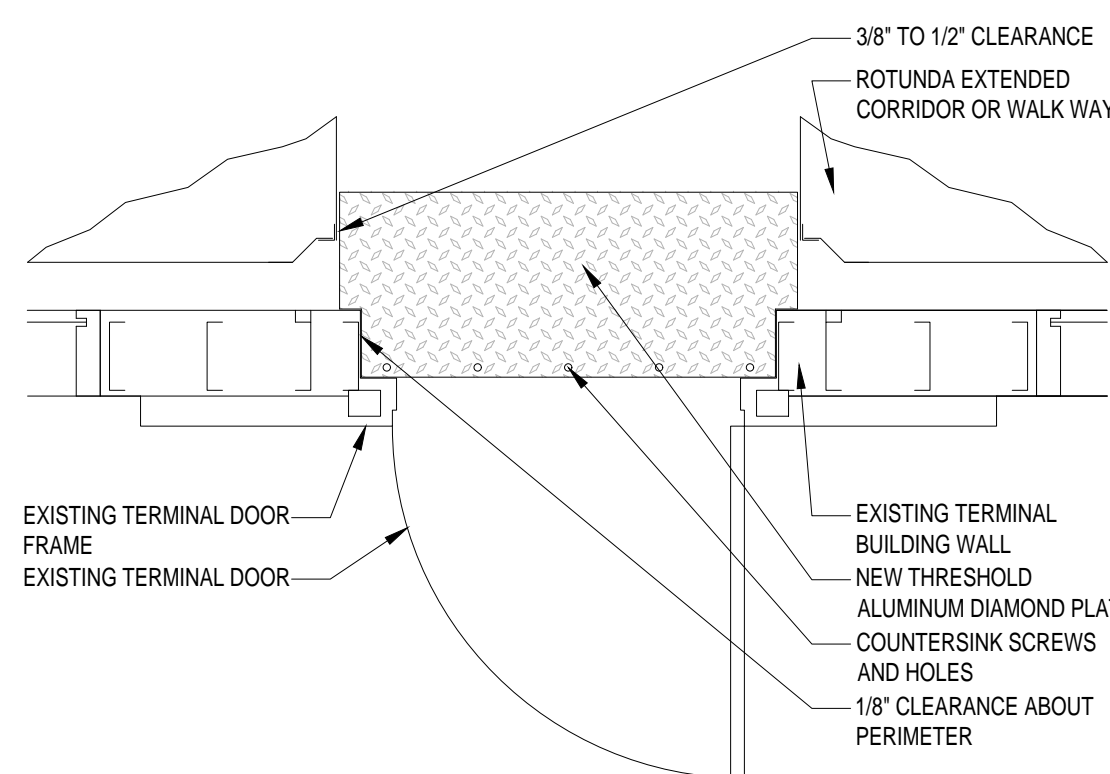
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PN946B

SHEET NO:

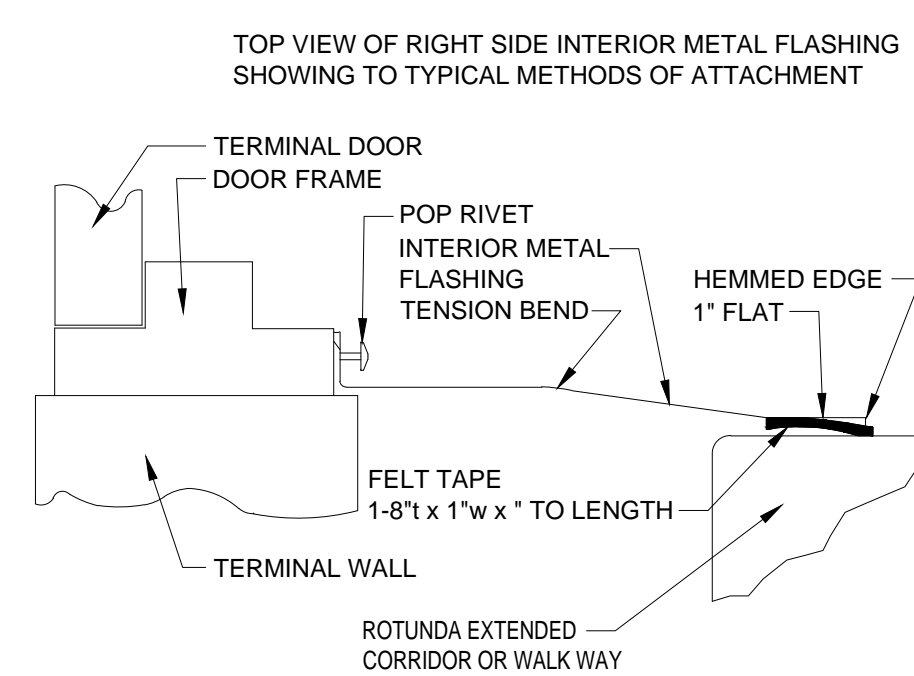
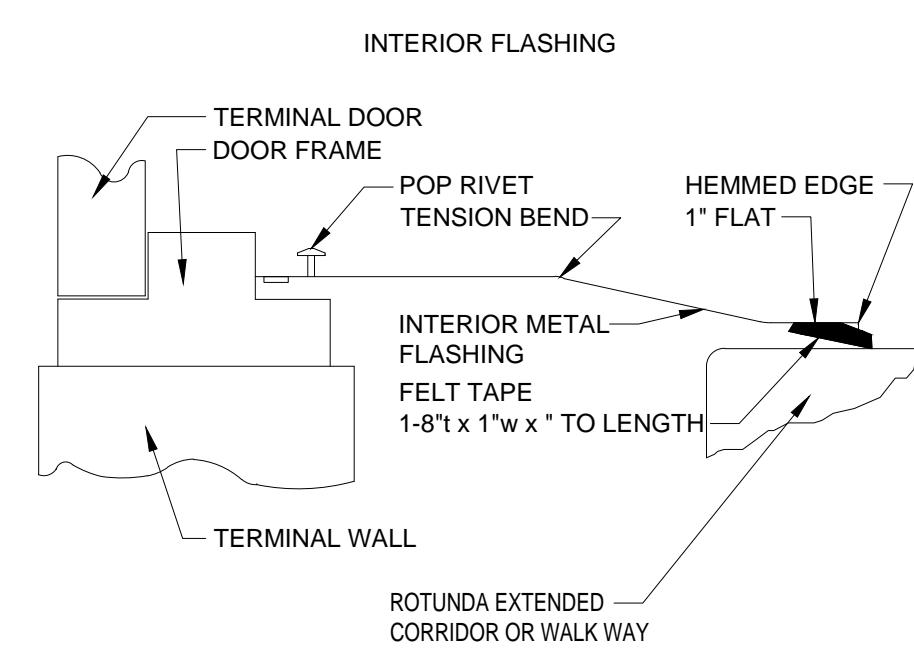
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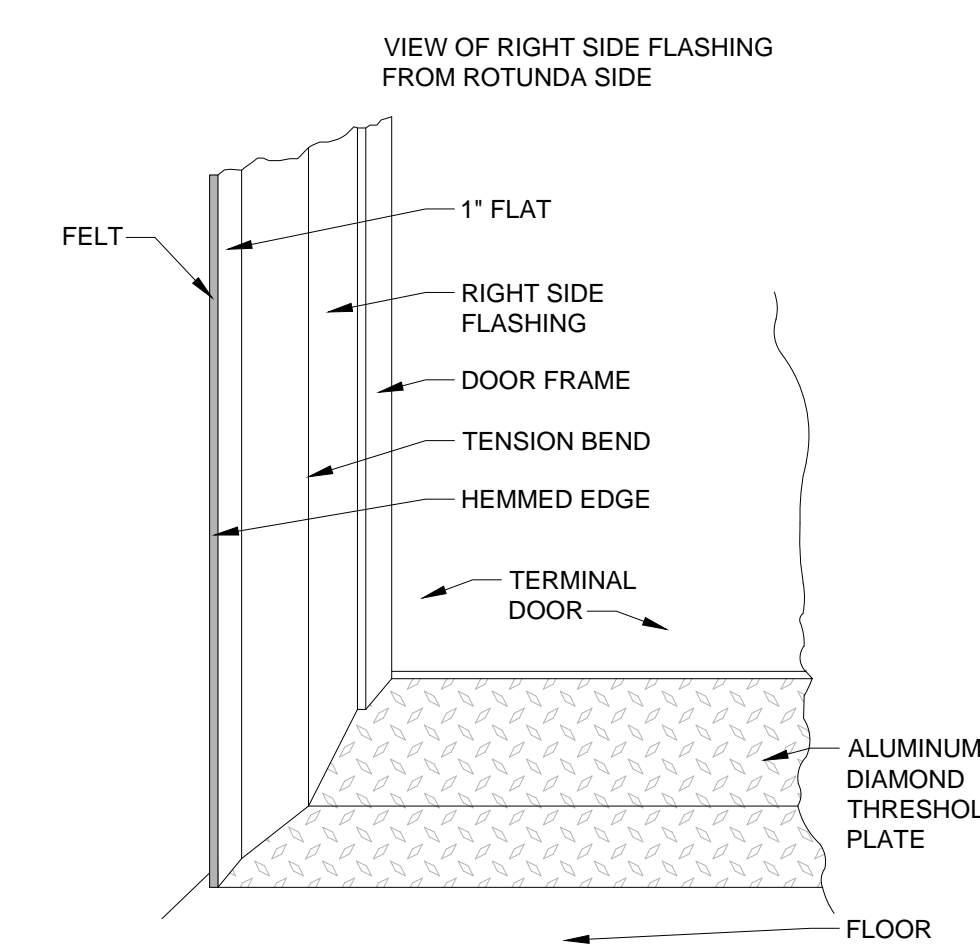
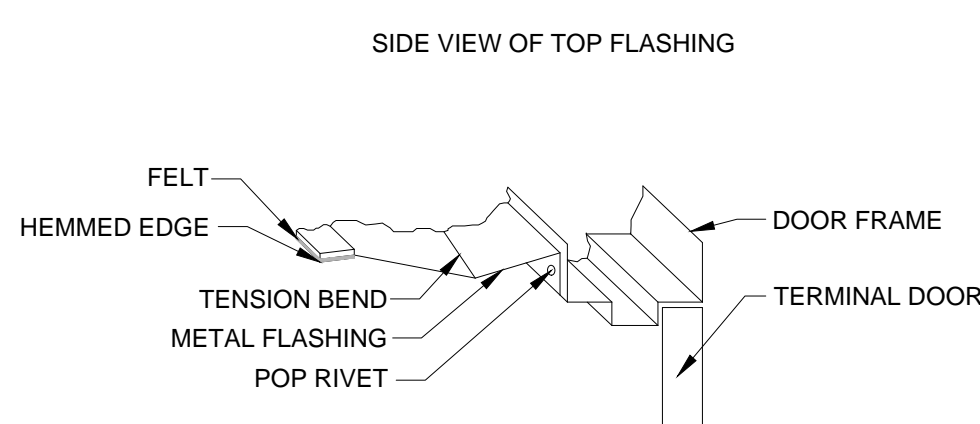
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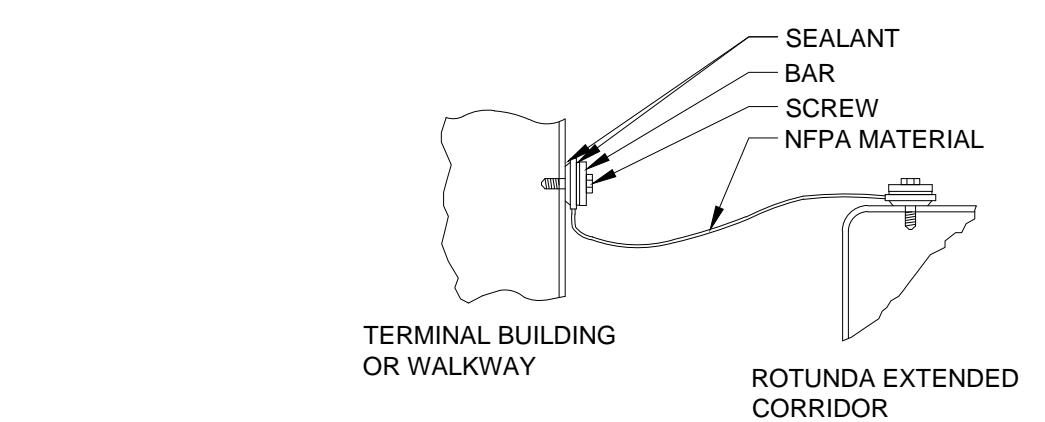
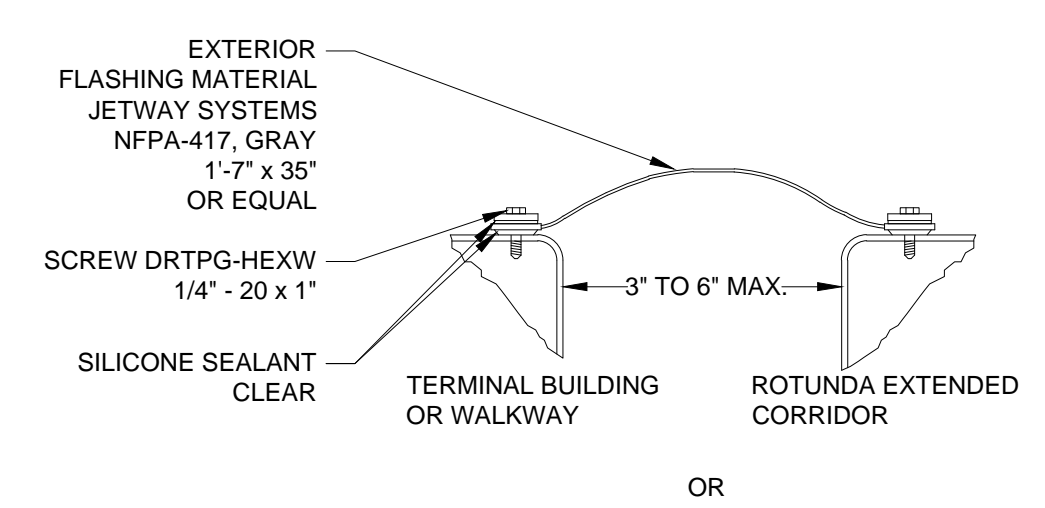
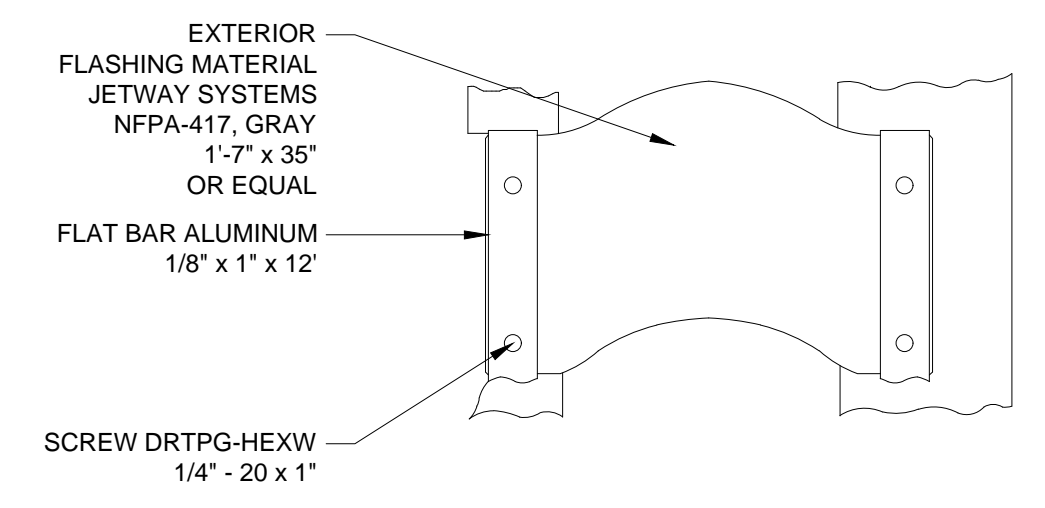
A1 THRESHOLD PLATE
N.T.S.



A2 INTERIOR FLASHING - 1
N.T.S.



A3 INTERIOR FLASHING - 2
N.T.S.



A4 EXTERIOR FLASHING
N.T.S.

KEYNOTES

ABBREVIATIONS

Table of abbreviations organized by letter (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X). Includes categories like AIR CONDITIONING, BREAKER, CONDUIT, DIRECT CURRENT, FIRE ALARM, GROUND, HAND-OFF-AUTO, INTEGRATED BUILDING SYSTEM, and JUNCTION BOX.

ELECTRICAL SYMBOLS

(ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED ON DRAWINGS)

Table for CIRCUITING AND WIRING symbols, including symbols for circuit concealed in wall or ceiling, circuit below slab or grade, homerun to panel, conduit up/down, and panel designations.

ELECTRICAL EQUIPMENT

Table for ELECTRICAL EQUIPMENT symbols, including switchboard, panelboard, dry-type transformer, and plywood terminal board.

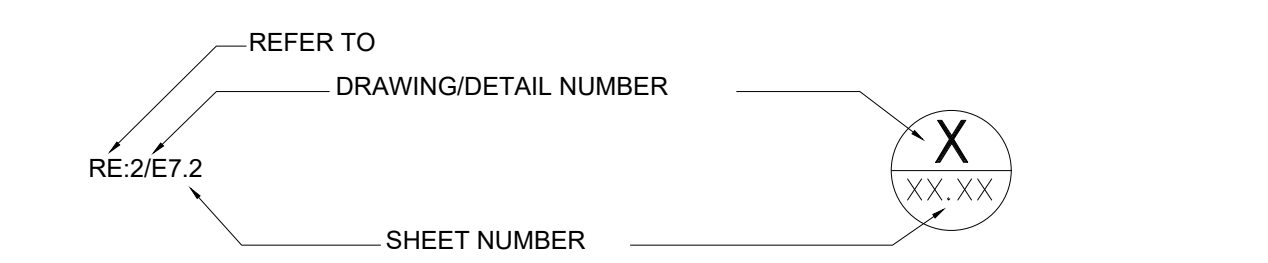
PANEL DESIGNATIONS

Table for PANEL DESIGNATIONS symbols, explaining codes like 3AHA, 3ALA, 3AUA, 3BHEA and their meanings regarding floor, voltage, UPS power, and inverter power.

MOTORS AND CONTROLS

Table for MOTORS AND CONTROLS symbols, including single or three phase motor, electric duct heater, disconnect switch, motor starter, manual motor starter, lighting contactor, photocell, push button station, door contact switch, time switch, and variable frequency drive.

DRAWING/DETAIL REFERENCE KEY



POWER PLAN CIRCUITING NOTES

A. LIMIT 120V OR 277V BRANCH CIRCUIT HOMERUNS IN A SINGLE CONDUIT TO THREE CIRCUITS (ON DIFFERENT PHASES), EACH WITH AN INDIVIDUAL NEUTRAL CONDUCTOR AND A SINGLE GROUND CONDUCTOR.

ONE LINE AND RISER DIAGRAMS

Table for ONE LINE AND RISER DIAGRAMS symbols, including transformer, switch, fuse, circuit breaker, shunt trip, ground fault relay, electric interlock, kirk-key interlock, ammeters, voltmeters, digital multi-function meter, current transformer, potential transformer, ground connection, lightning arrestor, and automatic transfer switch.

GENERAL NOTES

- A. ALL WORK SHALL BE IN COMPLIANCE WITH THE LATEST ADOPTED NEC, HOUSTON AIRPORT SYSTEM STANDARDS, CITY OF HOUSTON STANDARDS AND ELECTRICAL ORDINANCES, HAS DESIGN STANDARDS, OTHER APPLICABLE LOCAL AND STATE CODES.
B. ARRANGE WITH AUTHORITIES AND UTILITY COMPANIES FOR PERMITS, FEES, AND SERVICE CONNECTIONS, VERIFYING LOCATIONS AND ARRANGEMENT AND PAYING ALL CHARGES, INCLUDING INSPECTIONS.
C. COORDINATE WORK WITH ARCHITECTURAL FEATURES AND COORDINATE WORK SO THAT INTERFERENCES BETWEEN CONDUITS, EQUIPMENT, PLUMBING WORK, MECHANICAL WORK, AND BUILDING STRUCTURE WILL BE AVOIDED.
D. THE CONTRACTOR SHALL INSPECT ALL NEW AND EXISTING MATERIAL AND EQUIPMENT PRIOR TO INSTALLATION FOR DAMAGES AND SHALL VERIFY EQUIPMENT OPERATES SATISFACTORILY.
E. THE CONTRACTOR SHALL WARRANT ALL MATERIAL AND ELECTRICAL COMPONENTS FURNISHED TO COMPLETE ALL WORK FOR ONE YEAR AFTER FINAL ACCEPTANCE OF COMPLETION. MATERIALS AND ELECTRICAL COMPONENTS EFFECTS OF FAILURES DUE TO ABUSE, OR WORKMANSHIP NEGLECT SHALL BE MADE GOOD BY THE CONTRACTOR WITHOUT COST TO THE OWNER.
F. CONTRACTOR SHALL BE EXPERIENCED IN HIS/HER TRADE AND SHALL EMPLOY ONLY PERSONNEL WITH A CITY OF HOUSTON ELECTRICAL LICENSE.
G. CONTRACTOR WORK SHALL PRESENT A NEAT APPEARANCE UPON COMPLETION. ELECTRICAL COMPONENTS INSTALLED SHALL BE PLUMB, STRAIGHT AND LEVEL.
H. CONTRACTOR SHALL COORDINATE WITH THE OWNER ON EXACT LOCATION OF WIRING DEVICES AND CABLE TRAYS PRIOR ROUGH-IN.
I. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL TEST ALL WIRING AND ELECTRICAL COMPONENTS INSTALLED AND SHALL BE IN PERFECT WORKING CONDITION IN ACCORDANCE WITH THE INTENT OF DRAWINGS.
J. CONTRACTORS AND INSTALLERS MUST COMPLY WITH ALL SECURITY REQUIREMENTS OF HAS. CONTRACTORS SHALL BE RESPONSIBLE FOR SECURITY OF ALL TOOLS AND EQUIPMENT DURING WORK ON THE PROJECT SITE.
K. TYPE AC (BX) AND MC CABLE IS PROHIBITED.

HAS GENERAL NOTES

- A. ONLY MAJOR EQUIPMENT AND CONDUIT IS SHOWN FOR COORDINATION PURPOSES. ADDITIONAL CONDUIT FITTINGS, JUNCTION BOXES, HORIZONTAL AND VERTICAL CONDUIT WILL NEED TO BE ADDRESSED. CONTRACTOR SHALL MAKE A THOROUGH SURVEY OF WORK TO BE PERFORMED AND COORDINATE ALL NECESSARY MODIFICATIONS TO EXISTING SYSTEMS.
B. SCHEDULE ALL WORK IN ADVANCE WITH OWNER. ENSURE THAT POWER AND LIGHTING FOR ALL SPACES ADJACENT TO WORK AREAS IS NOT INTERRUPTED DURING NORMAL WORKING HOURS UNLESS APPROVED BY THE OWNER. SCHEDULE ALL POWER OUTAGES IN ADVANCE WITH OWNER.
C. "REMOVE" OR "DEMOLISH" MEANS TO DISCONNECT AND REMOVE EXISTING DEVICE OR FIXTURE AND ASSOCIATED CONDUIT AND WIRING BACK TO NEAREST ACTIVE J-BOX, DEVICE OR FIXTURE.
D. "RELOCATE" FOR DEVICES OR FIXTURES, MEANS TO DISCONNECT EXISTING DEVICE OR FIXTURE AND RE-INSTALL. PROVIDE NEW CONDUIT AND WIRING TO NEW LOCATION.
E. REMOVE ALL ELECTRICAL WORK THAT IS TO BE DEMOLISHED INCLUDING LIGHTING FIXTURES, ELECTRICAL EQUIPMENT, DISCONNECT SWITCHES, LIGHT SWITCHES, RECEPTACLES, CONDUIT, WIRING, ETC. AS REQUIRED FOR NEW CONSTRUCTION. REMOVE CONDUIT AND WIRING BACK TO THE LAST JUNCTION BOX IN A NON-RENOVATED AREA. CIRCUITS AND CONDUIT PASSING THROUGH A RENOVATED AREA WHICH SERVE OTHER AREAS IS TO REMAIN INTACT AND/OR BE RELOCATED AS NECESSARY TO MAINTAIN THE ORIGINAL SERVICE.
F. CONTRACTOR IS TO VERIFY THAT ALL CIRCUITS AND PANELS USED FOR NEW OR RE-WIRED EQUIPMENT HAVE ADEQUATE CAPACITY FOR THE NEW LOAD(S). MAINTAIN CONTINUITY OF ALL EXISTING CIRCUITS SERVING LOADS THAT ARE TO REMAIN. REROUTE CIRCUITS AS REQUIRED TO MAINTAIN CONTINUITY.
G. REMOVE ALL ELECTRICAL WORK ASSOCIATED WITH MECHANICAL EQUIPMENT INDICATED TO BE REMOVED. REMOVE CONDUIT AND WIRING BACK TO SOURCE.
H. THE ELECTRICAL DEMOLITION PLANS ARE INTENDED TO CONVEY THE GENERAL SCOPE OF WORK AND MAY NOT MATCH THE "AS-BUILT" CONDITIONS OR INDICATE THE TOTAL SCOPE OF WORK. EXISTING ELECTRICAL EQUIPMENT REQUIRED TO BE DEMOLISHED OR RELOCATED BUT NOT SHOWN IS TO BE INCLUDED IN THE SCOPE OF WORK.
I. WORK REQUIRING ELECTRICAL SHUTDOWNS IS RESTRICTED TO THE HOURS OF 12AM - 5AM. COORDINATE OUTAGES WITH GENERAL CONTRACTOR AND HAS.

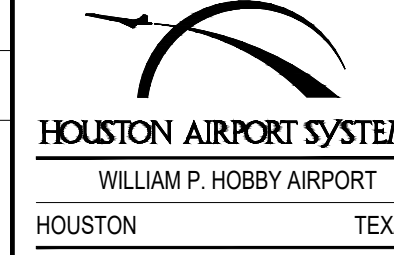


Table for REVISIONS with columns: NO., DESCRIPTION, DATE, BY. Entry 1: ISSUED FOR BID 04-04-2022 JLW

WILLIAM P. HOBBY AIRPORT (HOU) PASSENGER LOADING BRIDGE REPLACEMENT MECHANICAL, ELECTRICAL, AND PLUMBING SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES

Table for project metadata: PROJECT MGR: JLW, DESIGNER: MM, DRAWN BY: MM, CHECKED BY: HMS, SCALE: AS SHOWN, DATE: APRIL 04, 2022

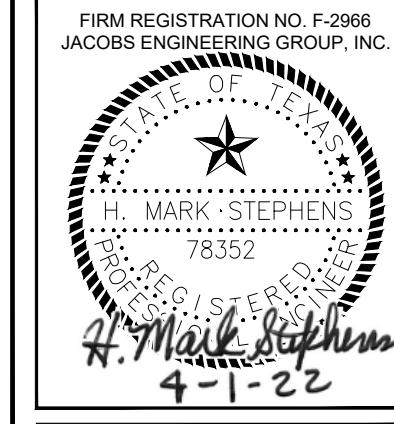
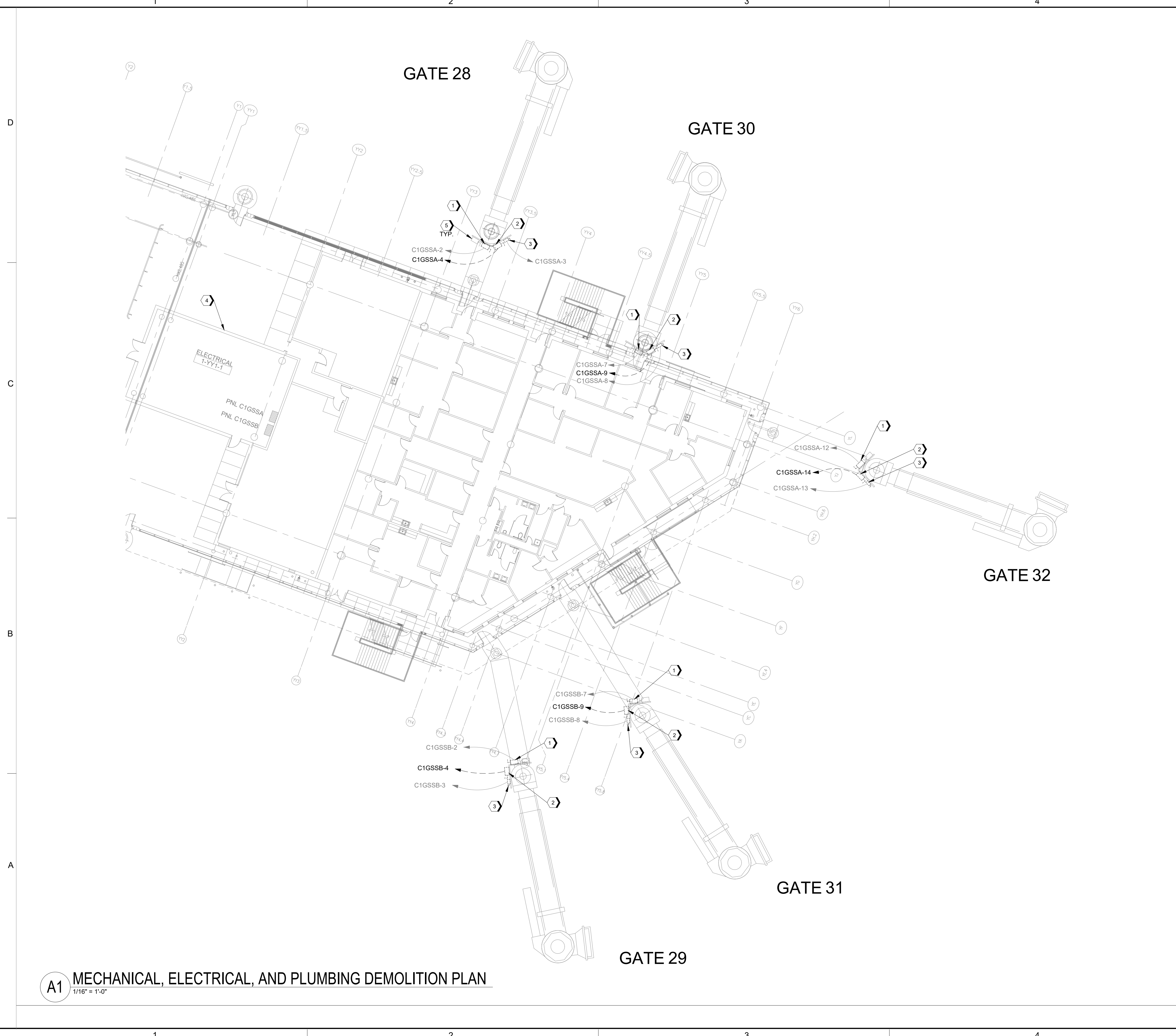


Table for approval and project info: APPROVED BY: DATE: DIRECTOR: HOUSTON AIRPORT SYSTEM, JACOBS PROJECT NO.: WHXK7119, C.I.P. NO.: H.A.S. NO.: PN946B, SHEET NO.:



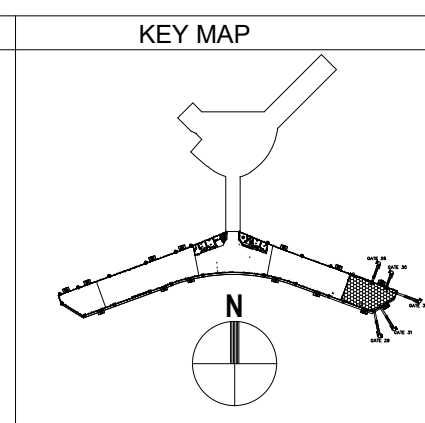
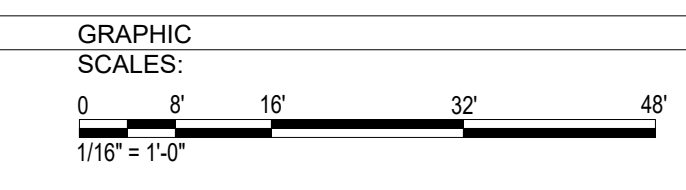
A1 MECHANICAL, ELECTRICAL, AND PLUMBING DEMOLITION PLAN
 1/16" = 1'-0"

GENERAL NOTES

- REFER TO SHEET MEP-0.01 FOR SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
- - - - - EXISTING TO REMAIN
 - - - - - EXISTING TO BE DEMOLISHED
 - - - - - NEW WORK

KEYNOTES

- DEMOLISH EXISTING DISCONNECT SWITCH SERVING 400Hz GPU. EXISTING CIRCUIT TO BE MADE SAFE FOR RECONNECTION TO NEW DISCONNECT SWITCH.
- DEMOLISH EXISTING DISCONNECT SWITCH SERVING PC AIR. EXISTING CIRCUIT TO BE DEMOLISHED BACK TO PANEL. BREAKER TO BE PLACED IN THE OFF POSITION.
- DEMOLISH EXISTING DISCONNECT SWITCH SERVING PLB. EXISTING CIRCUIT TO BE MADE SAFE FOR RECONNECTION TO NEW DISCONNECT SWITCH.
- EXISTING ELECTRICAL ROOM SERVING PLBS 28-32 SHOWN FOR REFERENCE.
- EXISTING DISCONNECT AND FEEDER FOR TUG CHARGER TO REMAIN. TYPICAL FOR EACH PLB.



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 TEXAS P.E. FIRM F-2966

REVISIONS

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR BID	04-04-2022	JLW

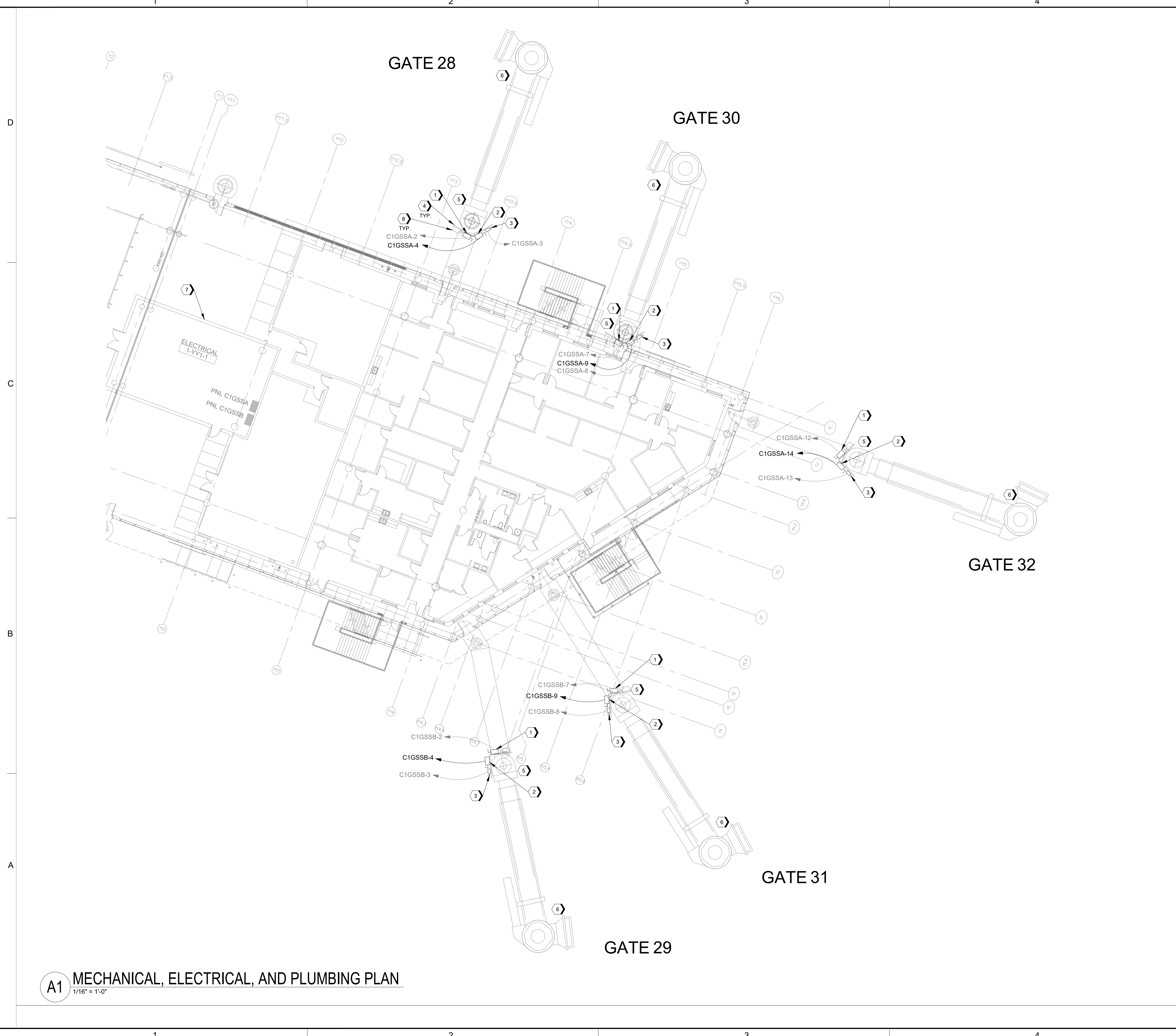
WILLIAM P. HOBBY AIRPORT (HOU)
PASSENGER LOADING BRIDGE REPLACEMENT
MECHANICAL, ELECTRICAL, AND PLUMBING
DEMOLITION PLAN

PROJECT MGR:	JLW
DESIGNER:	MM
DRAWN BY:	MM
CHECKED BY:	HMS
SCALE:	AS SHOWN
DATE:	APRIL 04, 2022



APPROVED BY:	DATE:
DIRECTOR HOUSTON AIRPORT SYSTEM	
JACOBS PROJECT NO:	WHXK7119
C.I.P. NO:	
H.A.S. NO:	PN946B
SHEET NO:	

MEPD-1.01



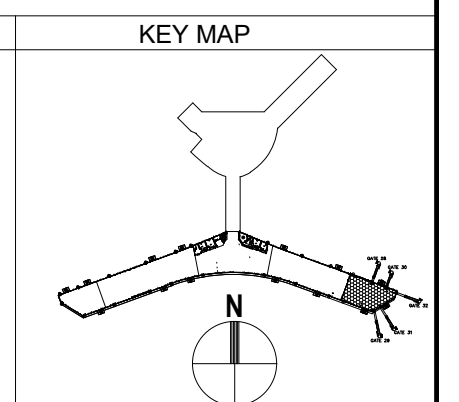
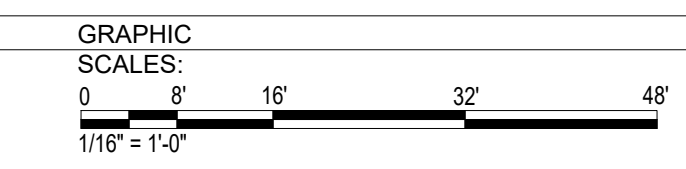
A1 MECHANICAL, ELECTRICAL, AND PLUMBING PLAN
 1/16" = 1'-0"

GENERAL NOTES

- REFER TO SHEET MEP-0.01 FOR SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
- EXISTING TO REMAIN
 - - - - EXISTING TO BE DEMOLISHED
 ——— NEW WORK

KEYNOTES

- NEW DISCONNECT FOR 400Hz SERVICE. REFER TO SHEET MEP-7.01 FOR ADDITIONAL INFORMATION.
- NEW CIRCUIT AND DISCONNECT FOR PC AIR. REFER TO SHEET MEP-7.01 FOR ADDITIONAL INFORMATION.
- NEW DISCONNECT FOR PLB. REFER TO SHEET MEP-7.01 FOR ADDITIONAL INFORMATION.
- EXISTING UNISTRUT SWITCHRACK TO BE REUSED. SEE DETAIL A1/MEP-5.01 FOR MOUNTING DETAIL.
- ROUTE CONDENSATE FROM PC AIR UNIT BACK TO EXISTING DRAIN (TYPICAL). REFER TO SPECIFICATIONS FOR FLUSHING AND CLEANING PRIOR TO CONNECTION.
- EXISTING POTABLE WATER CABINET TO REMAIN AND BE REUSED (TYPICAL). REFER TO SPECIFICATIONS FOR FLUSHING AND CLEANING.
- EXISTING ELECTRICAL ROOM SERVING PLBS 28-32 SHOWN FOR REFERENCE.
- EXISTING DISCONNECT AND FEEDER FOR TUG CHARGER TO REMAIN. TYPICAL FOR EACH PLB.



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REVISIONS

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR BID	04-04-2022	JLW

WILLIAM P. HOBBY AIRPORT (HOU)
 PASSENGER LOADING BRIDGE REPLACEMENT
 MECHANICAL, ELECTRICAL, AND PLUMBING PLAN

PROJECT MGR:	JLW
DESIGNER:	MM
DRAWN BY:	MM
CHECKED BY:	HMS
SCALE:	AS SHOWN
DATE:	APRIL 04, 2022

FIRM REGISTRATION NO. F-2966
 JACOBS ENGINEERING GROUP, INC.

H. MARK STEPHENS
 78352
 4-1-22

APPROVED BY: _____ DATE: _____

DIRECTOR
 HOUSTON AIRPORT SYSTEM

JACOBS PROJECT NO:
 WHXK7119

C.I.P. NO: _____

H.A.S. NO:
 PN946B

SHEET NO:

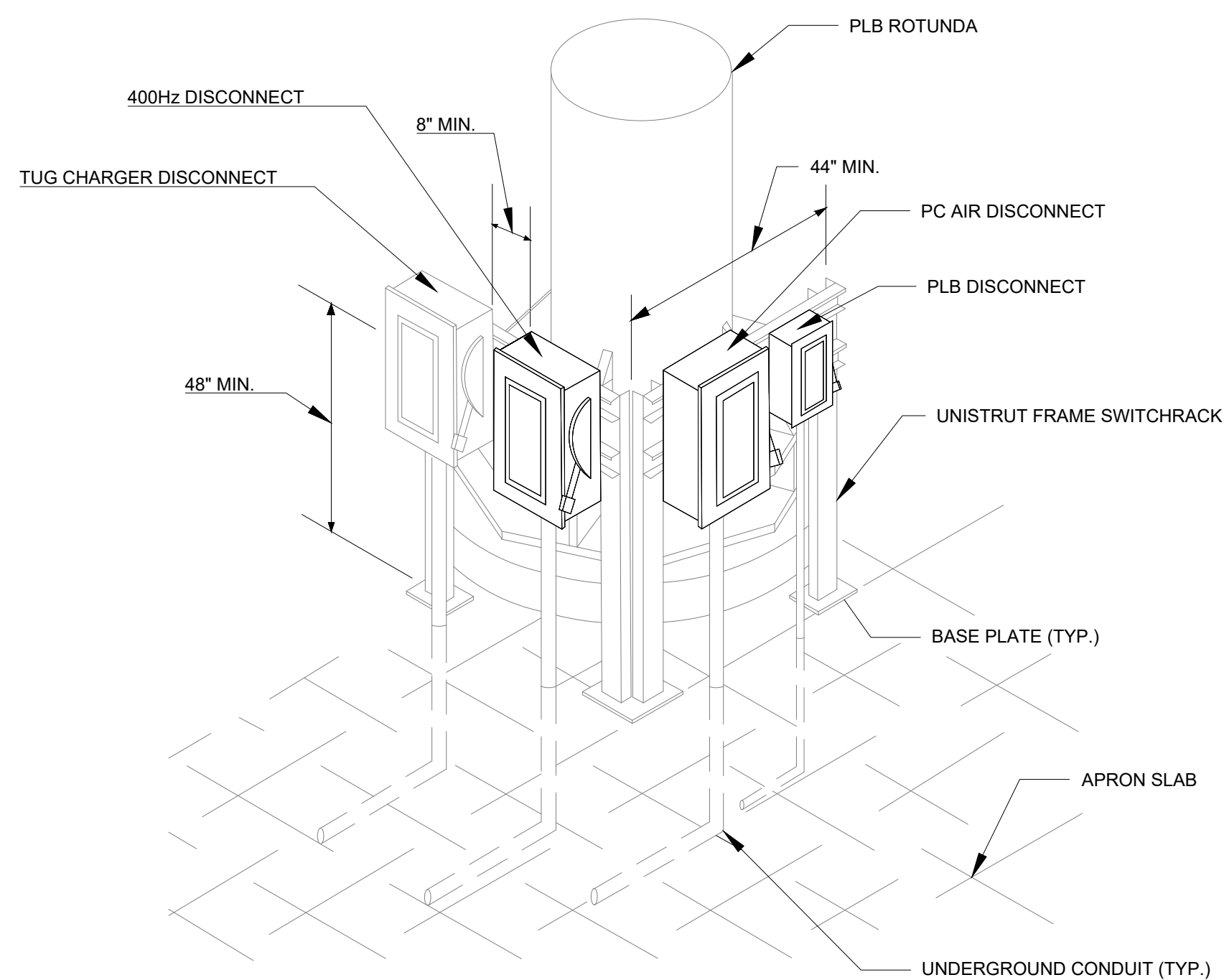
MEP-1.01

D

C

B

A



A1 TYPICAL GATE ROTUNDA DISCONNECT MOUNTING DETAIL
N.T.S.

GENERAL NOTES

1. REFER TO SHEET MEP-0.01 FOR SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.

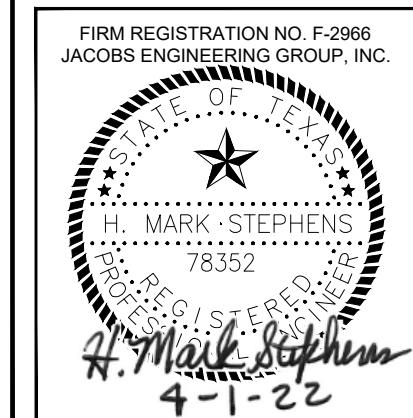
— EXISTING TO REMAIN
— NEW WORK



REVISIONS		
NO.	DESCRIPTION	DATE
1	ISSUED FOR BID	04-04-2022

WILLIAM P. HOBBY AIRPORT (HOU)
 PASSENGER LOADING BRIDGE REPLACEMENT
 ELECTRICAL DETAILS

PROJECT MGR:	JLW
DESIGNER:	MM
DRAWN BY:	MM
CHECKED BY:	HMS
SCALE:	AS SHOWN
DATE:	APRIL 04, 2022



APPROVED BY: _____ DATE: _____

DIRECTOR
HOUSTON AIRPORT SYSTEM

JACOBS PROJECT NO:
WHXK7119

C.I.P. NO: _____

H.A.S. NO:
PN946B

SHEET NO: _____

MEP-5.01

GENERAL NOTES

- REFER TO SHEET MEP-0.01 FOR SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
 - EXISTING TO REMAIN
 - EXISTING TO BE DEMOLISHED
 - NEW WORK
- CONTRACTOR TO PERFORM MEGGER TESTING ON ALL CIRCUITS TO BE RE-USED.
- PROVIDE PRICING ADD ALTERNATE TO REPLACE ALL CIRCUITS. PRICING TO INCLUDE CLEANING CONDUITS PRIOR TO PULLING NEW WIRES. PRICING TO BE BROKEN DOWN ON AN INDIVIDUAL CIRCUIT BASIS: PLB SEPARATE FROM 400Hz (GPU) CIRCUIT.



HOUSTON AIRPORT SYSTEM
WILLIAM P. HOBBY AIRPORT
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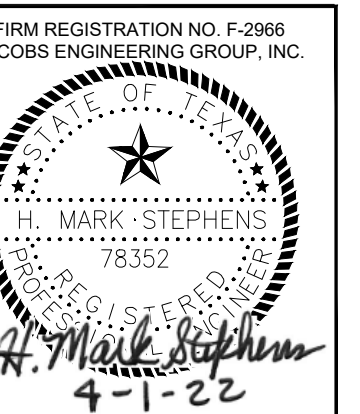
REVISIONS

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR BID	04-04-2022	JLW

WILLIAM P. HOBBY AIRPORT (HOU)
PASSENGER LOADING BRIDGE REPLACEMENT

ELECTRICAL ONE-LINE DIAGRAM

PROJECT MGR:	JLW
DESIGNER:	MM
DRAWN BY:	MM
CHECKED BY:	HMS
SCALE:	AS SHOWN
DATE:	APRIL 04, 2022



APPROVED BY: DATE:

DIRECTOR
HOUSTON AIRPORT SYSTEM

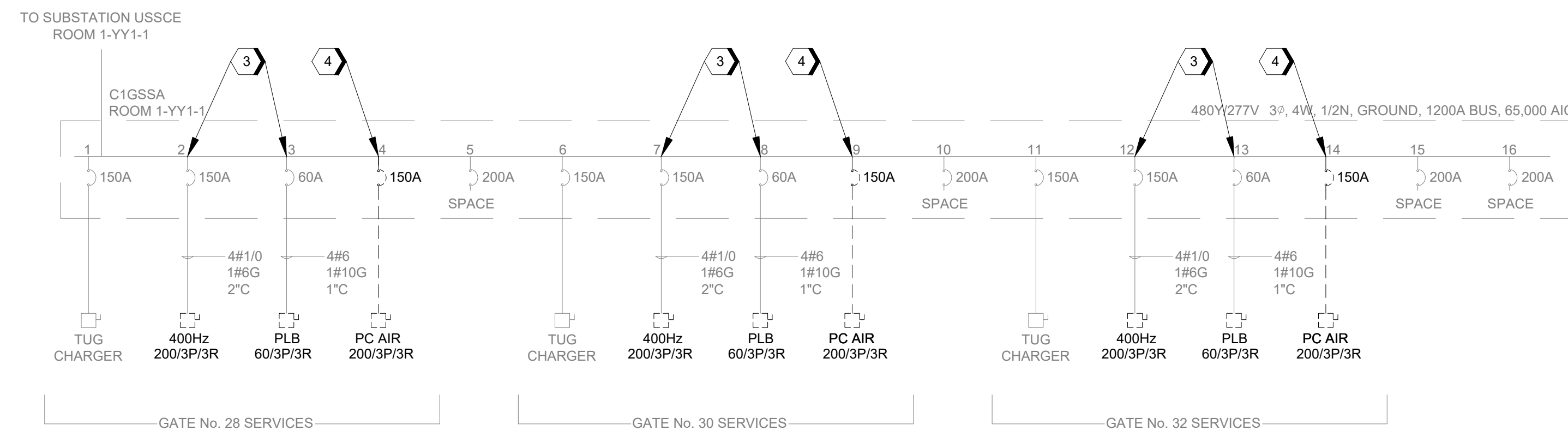
JACOBS PROJECT NO:
WHXK7119

C.I.P. NO:

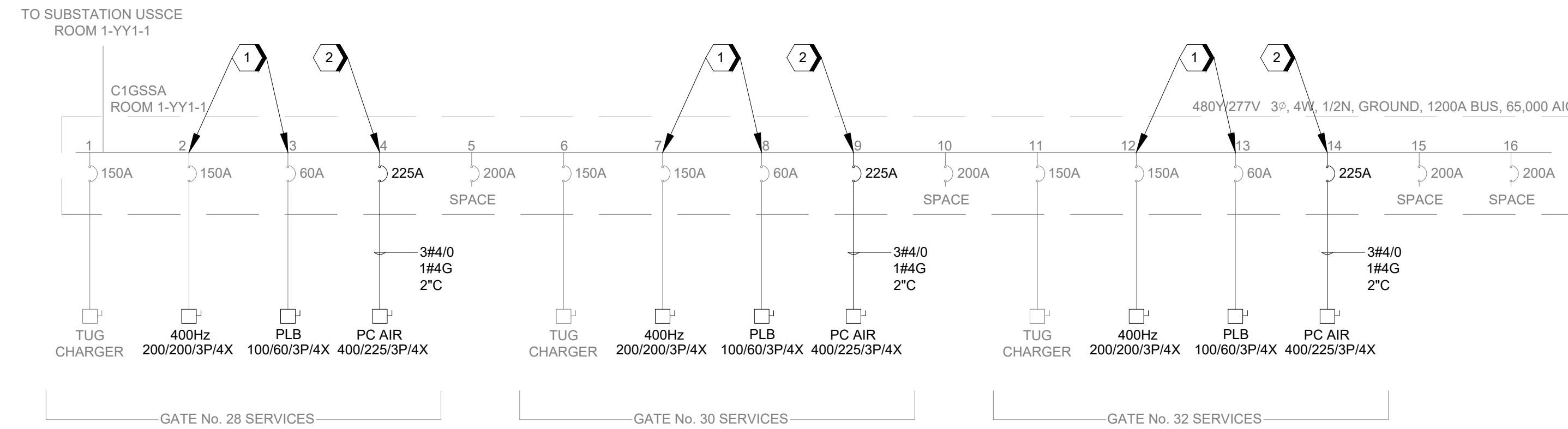
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PN946B

SHEET NO:

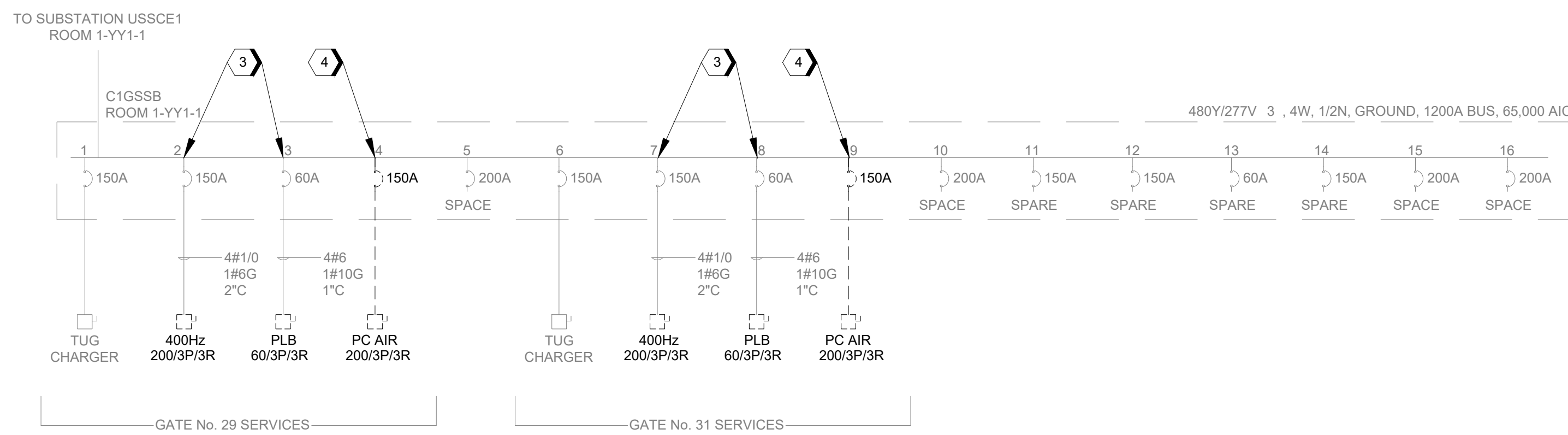
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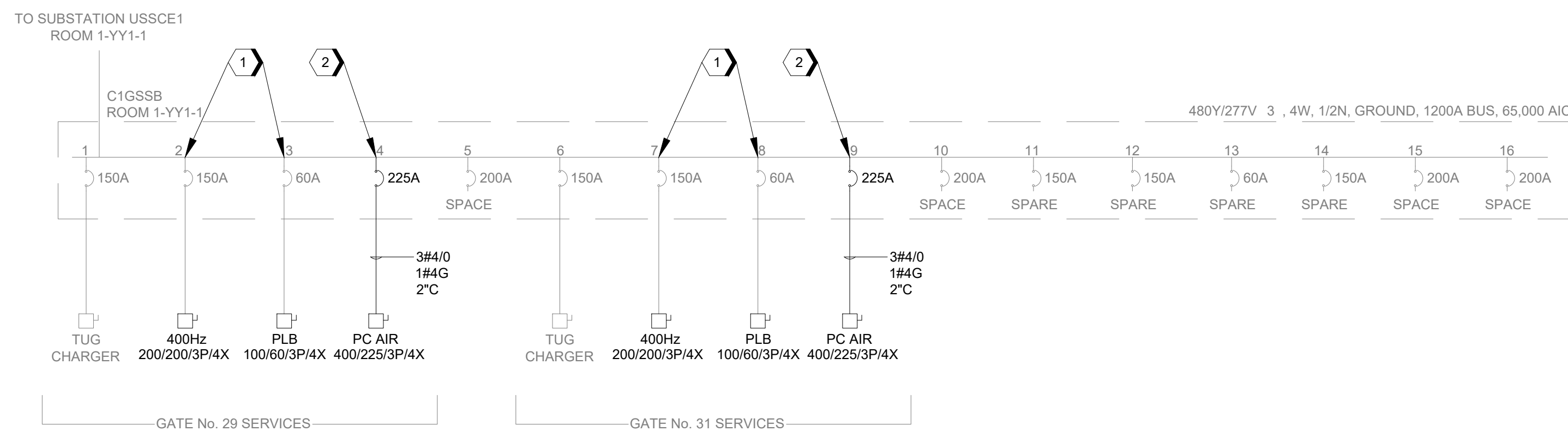
D1 DISTRIBUTION PANEL C1GSSA DEMOLITION ONE-LINE DIAGRAM
N.T.S.



C1 DISTRIBUTION PANEL C1GSSA ONE-LINE DIAGRAM
N.T.S.



B1 DISTRIBUTION PANEL C1GSSB DEMOLITION ONE-LINE DIAGRAM
N.T.S.



A1 DISTRIBUTION PANEL C1GSSB ONE-LINE DIAGRAM
N.T.S.

GENERAL NOTES

- REFER TO SHEET MEP-0.01 FOR SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.



HOUSTON AIRPORT SYSTEM
WILLIAM P. HOBBY AIRPORT
HOUSTON TEXAS



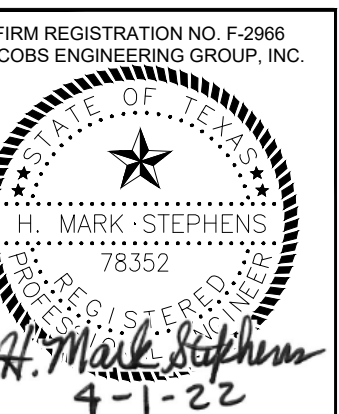
JACOBS ENGINEERING GROUP INC.
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HOUSTON, TEXAS 77072
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TEXAS P.E. FIRM F-2966

REVISIONS

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR BID	04-04-2022	JLW

WILLIAM P. HOBBY AIRPORT (HOU)
PASSENGER LOADING BRIDGE REPLACEMENT
ELECTRICAL PANEL SCHEDULES

PROJECT MGR: JLW
DESIGNER: MM
DRAWN BY: MM
CHECKED BY: HMS
SCALE: AS SHOWN
DATE: APRIL 04, 2022



APPROVED BY: _____ DATE: _____

DIRECTOR
HOUSTON AIRPORT SYSTEM

JACOBS PROJECT NO:
WHXK7119

C.I.P. NO: _____

H.A.S. NO:
PN946B

SHEET NO:

MEP-8.01

DIST PBRD: C1GSSA							
Location: 1-YY1-1 Supply From: USSCE Mounting: WALL		VOLTAGE: 480Y/277V, 3P, 4W MAINS TYPE / LOCATION:			AIC: 65,000 MINIMUM BUS RATING: 1200A NEUTRAL BUS RATING: 100.00%		
CKT NO.	DESCRIPTIONS	POLES	FRAME (AMPS)	TRIP (AMPS)	LOAD (KVOLT-AMPS)	CIRCUIT SIZE	NOTES
1	GATE 28 TUG CHARGER	3	225 A	150 A			E
2	GATE 28 400Hz	3	225 A	150 A			E
3	GATE 28 PLB	3	225 A	60 A			E
4	GATE 28 PC AIR	3	225 A	225 A			N
5	SPACE	3	225 A	--	--		
6	GATE 30 TUG CHARGER	3	225 A	150 A			E
7	GATE 30 400Hz	3	225 A	150 A			E
8	GATE 30 PLB	3	225 A	60 A			E
9	GATE 30 PC AIR	3	225 A	225 A			N
10	SPACE	3	225 A	--	--		
11	GATE 32 TUG CHARGER	3	225 A	150 A			E
12	GATE 32 400Hz	3	225 A	150 A			E
13	GATE 32 PLB	3	225 A	60 A			E
14	GATE 32 PC AIR	3	225 A	225 A			N
15	SPACE	3	225 A	--	--		
16	SPACE	3	225 A	--	--		

PANELBOARD NOTES: "E" INDICATES CIRCUIT EXISTING TO REMAIN
"D" INDICATES CIRCUIT EXISTING TO BE DEMOLISHED
"N" INDICATES NEW CIRCUIT

LOAD ANALYSIS DIST. PNL C1GSSA											
TAG	LGT	REC	EQP	MTR	HTG	COOL	KIT	CONN KVA	DMD KVA	AMPS 480V	
GATE 28 TUG CHARGER			100					100	90	108	
GATE 28 400Hz			90					90	81	97	
GATE 28 PLB			49					49	44	53	
GATE 28 PC AIR						112		112	101	121	
GATE 30 TUG CHARGER			100					100	90	108	
GATE 30 400Hz			90					90	81	97	
GATE 30 PLB			49					49	44	53	
GATE 30 PC AIR						112		112	101	121	
GATE 32 TUG CHARGER			100					100	90	108	
GATE 32 400Hz			90					90	81	97	
GATE 32 PLB			49					49	44	53	
GATE 32 PC AIR						112		112	101	121	
TOTAL			717			336		1053			
WITH DIVERSITY			645			302			948	1140	

DIST PBRD: C1GSSB							
Location: 1-YY1-1 Supply From: USSCE1 Mounting: WALL		VOLTAGE: 480Y/277V, 3P, 4W MAINS TYPE / LOCATION:			AIC: 65,000 MINIMUM BUS RATING: 1200A NEUTRAL BUS RATING: 100.00%		
CKT NO.	DESCRIPTIONS	POLES	FRAME (AMPS)	TRIP (AMPS)	LOAD (KVOLT-AMPS)	CIRCUIT SIZE	NOTES
1	GATE 29 TUG CHARGER	3	225 A	150 A			E
2	GATE 29 400Hz	3	225 A	150 A			E
3	GATE 29 PLB	3	225 A	60 A			E
4	GATE 29 PC AIR	3	225 A	225 A			N
5	SPACE	3	225 A	--	--		
6	GATE 31 TUG CHARGER	3	225 A	150 A			E
7	GATE 31 400Hz	3	225 A	150 A			E
8	GATE 31 PLB	3	225 A	60 A			E
9	GATE 31 PC AIR	3	225 A	225 A			N
10	SPACE	3	225 A	--	--		
11	SPARE	3	225 A	150 A			E
12	SPARE	3	225 A	150 A			E
13	SPARE	3	225 A	60 A			E
14	SPARE	3	225 A	150 A			E
15	SPACE	3	225 A	--	--		
16	SPACE	3	225 A	--	--		

PANELBOARD NOTES: "E" INDICATES CIRCUIT EXISTING TO REMAIN
"D" INDICATES CIRCUIT EXISTING TO BE DEMOLISHED
"N" INDICATES NEW CIRCUIT

LOAD ANALYSIS DIST. PNL C1GSSB											
TAG	LGT	REC	EQP	MTR	HTG	COOL	KIT	CONN KVA	DMD KVA	AMPS 480V	
GATE 29 TUG CHARGER			100					100	90	108	
GATE 29 400Hz			90					90	81	97	
GATE 29 PLB			49					49	44	53	
GATE 29 PC AIR						112		112	101	121	
GATE 31 TUG CHARGER			100					100	90	108	
GATE 31 400Hz			90					90	81	97	
GATE 31 PLB			49					49	44	53	
GATE 31 PC AIR						112		112	101	121	
TOTAL			478			224		702			
WITH DIVERSITY			430			202			632	760	

GENERAL NOTES

- THE FOLLOWING DOCUMENTS ADDRESS STRUCTURED CABLING SOLUTION FOR NETWORK (TN), TECHNOLOGY INFRASTRUCTURE ASSOCIATED WITH DATA, NETWORKS REQUIRED BY THE HOUSTON AIRPORT SYSTEM (HAS), FOR NETWORK EQUIPMENT INFORMATION REFERENCE TN DRAWINGS.
- THE GENERAL CONDITIONS, SUPPLEMENTARY GENERAL CONDITIONS, SPECIFICATIONS AND REQUIREMENTS OF OTHER DIVISIONS REQUIRE COORDINATION AND SHALL APPLY TO THE DIVISION 27 CONTRACTOR. ANY CONTRADICTION INFORMATION SHALL BE SUBMITTED VIA A REQUEST FOR INFORMATION (RFI).
- COMMUNICATION CABLING INTEGRATOR HEREAFTER REFERRED TO, AS "CONTRACTOR" SHALL PROVIDE ALL MATERIALS, COMPONENTS, TOOLS, AND LABOR TO COMPLETE A TELECOMMUNICATIONS INFRASTRUCTURE AS SET FORTH IN THE STRUCTURED CABLING SYSTEM DIVISION 27, TELECOMMUNICATIONS DRAWINGS AND ELECTRICAL DRAWINGS.
- THE CONTRACTOR SHALL CAREFULLY EXAMINE THE SITE TO DETERMINE THE EXTENT OF WORK AND CONDITION UNDER WHICH IT WILL BE DONE. REVIEW AND VERIFY CONTRACT DOCUMENTS IN RELATION TO FIELD CONDITIONS TO VERIFY ACCURACY. THE OWNER, OR THEIR DESIGNATED REPRESENTATIVE, SHOULD BE CONSULTED AS NEEDED FOR CLARIFICATION OR DIRECTION REGARDING ANY PROJECT RELATED QUESTIONS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE OWNER, OR THEIR DESIGNATED REPRESENTATIVE, PRIOR TO PROCEEDING WITH THE WORK OR RELATED WORK IN QUESTION.
- DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS MUST BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNER, OR THEIR DESIGNATED REPRESENTATIVE, FOR CLARIFICATION.
- REFER TO TECHNOLOGY CONTRACT DOCUMENTS, DRAWINGS AND SPECIFICATIONS AS A UNIT AND IN WHOLE IN THE BIDDING AND INSTALLATION OF THIS PROJECT.
- ELECTRICAL CONTRACTOR SHALL READ IN THEIR ENTIRETY ALL SECTIONS OF THE COMMUNICATIONS CABLING SYSTEM DOCUMENTS AND APPLY THEM AS APPROPRIATE FOR WORK IN THIS SECTION. REF DIVISION 27 AND TELECOMMUNICATIONS DRAWINGS.
- ELECTRICAL CONTRACTOR SHALL PROVIDE MATERIALS, COMPONENTS, TOOLS, AND LABOR TO COMPLETE COMMUNICATIONS CABLING PATHWAY, ELECTRICAL POWER DISTRIBUTION AND GROUNDING SYSTEM AS SET FORTH IN THE COMMUNICATIONS CABLING SYSTEM DOCUMENTS AND THE ELECTRICAL DOCUMENTS, SPECIFICATIONS AND DRAWINGS.
- CONTRACTOR SHALL NOTE AND REPORT TO GC PERFORMED BY ELECTRICAL CONTRACTOR WHICH DOES NOT COMPLY WITH COMMUNICATIONS SPECIFICATIONS AND DRAWINGS AND ARE INTENDED FOR THE COMMUNICATION SYSTEMS COMPONENTS.
- CONTRACTOR SHALL TAKE NECESSARY MEANS TO PROTECT COMMUNICATION SYSTEM COMPONENTS FROM MECHANICAL DAMAGE BEFORE, DURING AND AFTER CONSTRUCTION.
- CONTRACTOR IS REQUIRED TO REFERENCE DIVISION 27 SPECIFICATIONS FOR ITEMIZED PRICING REQUIREMENTS.

COMMUNICATION PATHWAY

- OUTLET FACEPLATES MUST BE LABELED WITH THE JACK NUMBERS OR PATCH PANEL PORTS PER SPECIFICATIONS. ALL JACKS MUST BE FLUSH WITH THE FACEPLATE.
- BACK BOXES INSTALLED FOR COMMUNICATIONS DATA AND VOICE WIRING TERMINATION SHALL BE 4 11/16"x4 11/16"x3" DEEP BOXES TO ALLOW FOR THE REQUIRED WORKING CLEARANCE OF THE CAT6 UTP CABLE. THESE BOXES SHALL BE SEPARATE FROM ELECTRICAL JUNCTION BOXES AND BE EXCLUSIVELY FOR DATA AND VOICE COMMUNICATIONS.
- MUD RINGS SHALL BE INSTALLED ON ALL COMMUNICATIONS WALL BOXES.
- CONDUITS TO COMMUNICATIONS WALL BOXES SHALL BE MINIMUM OF ONE IN. (1") IN DIAMETER AND SHALL BE COMPLETE WITH NYLON PULL STRING. OUTLETS HAVING MORE THAN TWO CABLES REQUIRE AN ADDITIONAL (1") CONDUIT PER WALL BOX.
- SUPPLY SOLUTIONS AND SHOP DRAWINGS SUBMITTALS FOR CONDUIT SEALING MATERIALS AND SYSTEMS FOR WRITTEN APPROVAL OF MATERIAL/SYSTEMS PRIOR TO PURCHASE AND INSTALLATION. MATERIALS AND SYSTEMS SHALL BE COMPLETE UPON INSTALLATION.
- MATERIALS AND SYSTEMS SHALL BE COMPLETE UPON INSTALLATION. SWEEPING 90 DEG. BENDS AND NOT EXCEED 100 FEET. IF THESE CONDITIONS CAN NOT BE MET. A J-BOX MUST BE PLACED IN THE RUN, WITH THE ABILITY TO ACCESS BOX.
- CONDUITS SHALL HAVE CONNECTORS, PROTECTIVE BUSHINGS, PULL STRINGS AND SHALL BE GROUNDED.

COMMUNICATIONS ROOMS

- TELECOM ROOM LAYOUTS AND EQUIPMENT ARE SHOWN FOR COORDINATION AND INFORMATIONAL PURPOSES ONLY.
- FURNISH AND INSTALL CABLE SUPPORT, CABLE MANAGEMENT AND ASSOCIATED HARDWARE WITHIN TELECOMMUNICATIONS ROOMS.

GROUNDING AND BONDING

- ALL GROUNDS USED SHALL BE BONDED TOGETHER TO FORM A SINGLE GROUNDING ELECTRODE SYSTEM AS REQUIRED IN ARTICLE 250 OF NFPA 70 - NATIONAL ELECTRICAL CODE.
- SURFACES SHALL BE PREPARED TO PROVIDE A PROPER PATH TO GROUND. ANY SURFACE TO BE GROUNDED MUST BE FREE OF PAINT OR OTHER COATING THAT MIGHT PREVENT AN EFFECTIVE GROUND. PAINT SHOULD BE SCRAPED AWAY UNTIL METALLIC SURFACE HAS BEEN EXPOSED BEFORE THE ATTACHMENT OF GROUNDING OR BONDING WIRE.
- CONTRACTOR TO INSTALL MANUFACTURER PROVIDED STAR WASHERS PER PANEL INSTALLED IN ORDER FOR PANELS TO BE BONDED TO RACK. ONLY ONE (1) STAR WASHER IS REQUIRED PER PANEL.
- NO GROUND WIRE SHALL BE RAN IN CABLE RUNWAY WITH HORIZONTAL CABLING OR ATTACHED TO THE OUTSIDE OF THE RACEWAY. "L" BRACKETS ARE REQUIRED.

ELECTRICAL

- FOR SPECIFIC POWER AND RECEPTACLE REQUIREMENTS IN THE PROJECT REFERENCE ELECTRICAL SPECIFICATIONS AND DRAWINGS AND VERIFY WITH COMMUNICATION SPECIFICATIONS AND DRAWINGS. REPORT TO GC DISCREPANCIES PRIOR TO PURCHASE OR INSTALLATION.

COMMUNICATIONS CABLE

- CONTRACTOR SHALL PROVIDE AND INSTALL HORIZONTAL COPPER DATA CABLES.
- HORIZONTAL DATA CABLING SHALL CONSIST OF 24 AWG PLENUM CAT6 4PR UTP CABLES TO EACH DATA OUTLET.
- NO HORIZONTAL CABLE SHALL BE LONGER THAN 295 FEET FROM TERMINATION TO TERMINATION. IF THE CONTRACTOR BELIEVES ANY STATION CABLE WILL EXCEED THE 295 FEET LIMIT WRITTEN APPROVAL FROM THE OWNER'S ARCHITECT/ENGINEER WILL BE REQUIRED PRIOR TO INSTALLATION.
- PROVIDE CATEGORY 6 CABLING FROM EACH WORKSTATION OUTLET LOCATION TO THE TELECOM ROOM.
- HORIZONTAL DATA CABLING SHALL TERMINATE ON RACK MOUNTED PATCH PANELS LOCATED IN TELECOM ROOM, AND ON 8P8C ANGLED INSERTS AT THE OUTLET. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- COMMUNICATIONS CABLE SHALL NOT BE PAINTED.
- LABEL CABLES PER OWNER STANDARD WITH OWNER PRIOR TO INSTALLATION.
- ALL CABLING INSTALLED UNDERGROUND IN CONCRETE SLABS, IN DIRECT CONTACT WITH THE EARTH, LOCATIONS SUBJECT TO SATURATION WITH LIQUIDS AND UNPROTECTED LOCATIONS EXPOSED TO WEATHER SHALL BE CONSTRUCTED WITH APPROPRIATE WEATHER PROOFING COMPOUNDS AND SHEATHING.

IT RESPONSIBILITY MATRIX

IT RESPONSIBILITY MATRIX	GC	IT CONTRACTOR	OWNER
NETWORK CABLING TO IDF		X	
CONDUITS	X		
J-BOXES	X		
POWER>24VDC	X		
OUTSIDE PLANT CONDUIT PATHWAY	X		
PHONES			CONFIGURE
COMPUTERS			CONFIGURE
GROUNDING OSP CABLE		X	

TELECOM SYMBOL LEGEND

XD DATA ▽	USER SPECIFIC (COMMON USE TERMINAL EQUIPMENT) WALL DATA OUTLET (D), CABLE TYPE AS SPECIFIED (x) = NUMBER OF CABLE RUNS PER LOCATION AS INDICATED.
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ABBREVIATIONS

ABF	AIR BLOWN FIBER
AED	AUTOMATED EXTERNAL DEFIBRILLATOR
AFB	ABOVE FINISHED FLOOR
AWG	AMERICAN WIRE GAUGE
CON.	CONDUCTOR
I/O	INFORMATION OUTLET
IDF	INTERMEDIATE DISTRIBUTION FRAME
LAN	LOCAL AREA NETWORK
MDF	MAIN DISTRIBUTION FRAME
N/A	NOT APPLICABLE
NIC	NOT INCLUDED IN CONTRACT
OFOI	OWNER FURNISH OWNER INSTALLED
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TBC	TELECOMMUNICATIONS BONDING CONDUCTOR
TGB	TELECOMMUNICATIONS GROUND BUS BAR
TMBC	TELECOMMUNICATIONS MAIN BONDING CONDUCTOR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR
TR	TELECOM ROOM
TS	TRADE SIZE
UTP	UNSHIELDED TWISTED PAIR
WP	WATERPROOF

DRAWING SHEET LIST

DIVISION 27	DRAWING LIST	REVISION
TN-0.01	TELECOMMUNICATIONS SYMBOLS AND ABBREVIATIONS	
TD-1.01	TELECOMMUNICATIONS DEMO	
TN-1.01	TELECOMMUNICATIONS APRON LEVEL	
TN-4.01	TELECOMMUNICATIONS DETAILS	

GENERAL NOTES

KEYNOTES

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR BID	04-04-2022	AL

WILLIAM P. HOBBY AIRPORT (HOU)
PASSENGER LOADING BRIDGE REPLACEMENT
TELECOMMUNICATIONS SYMBOLS AND ABBREVIATIONS

PROJECT MGR:	MB
DESIGNER:	WA
DRAWN BY:	JK
CHECKED BY:	AL
SCALE:	AS SHOWN
DATE:	APRIL 04, 2022



APPROVED BY: _____ DATE: _____

DIRECTOR
HOUSTON AIRPORT SYSTEM

JACOBS PROJECT NO:
WHXK7119

C.I.P. NO: _____

H.A.S. NO:
PN946B

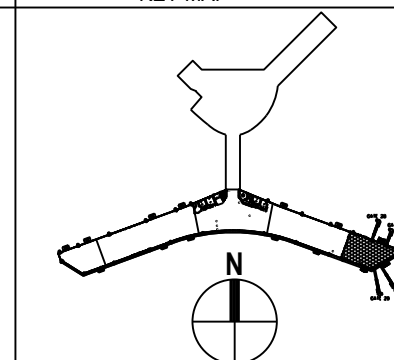
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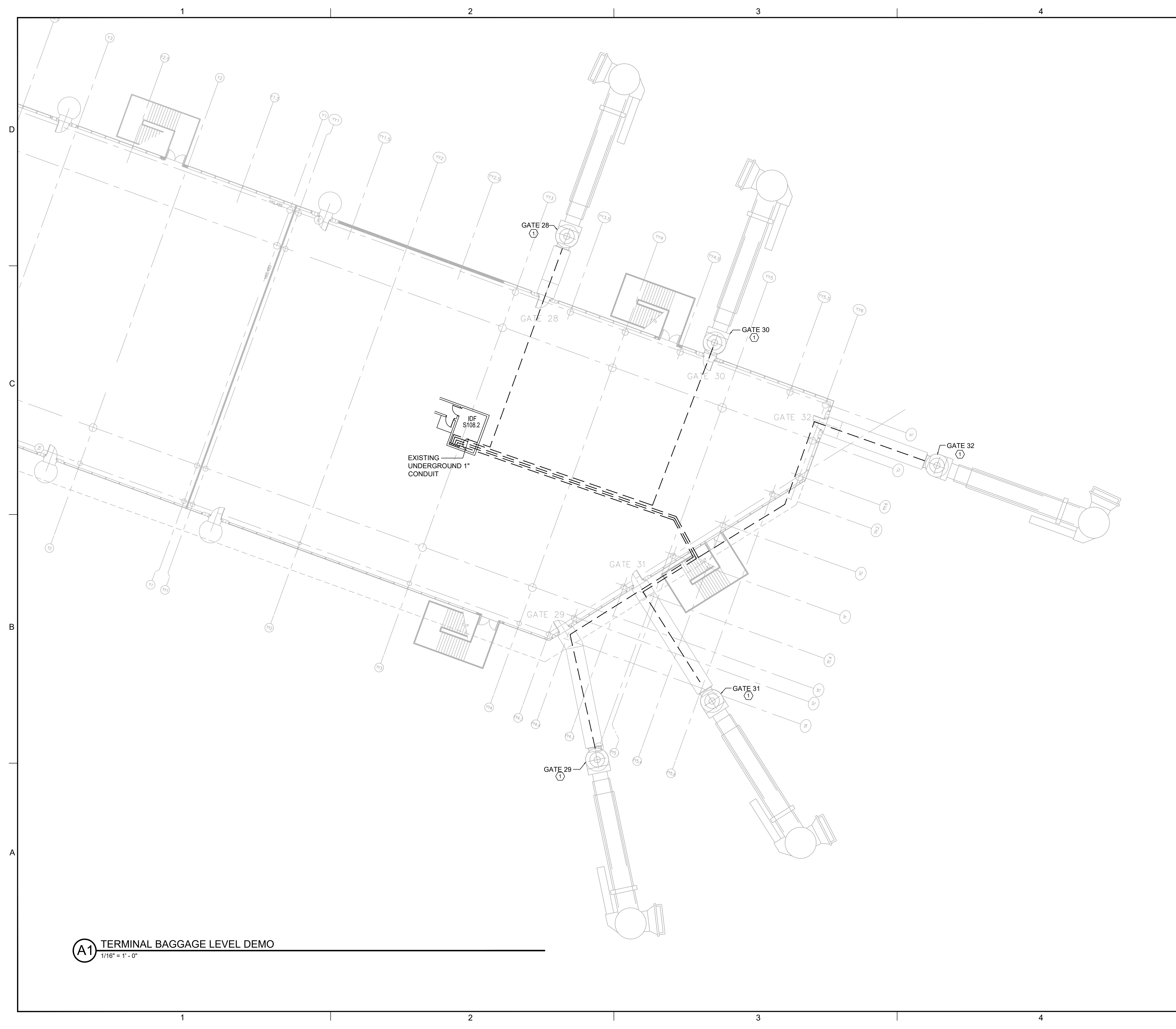
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GRAPHIC SCALES:



KEY MAP





A1 TERMINAL BAGGAGE LEVEL DEMO
1/16" = 1'-0"

GENERAL NOTES

- BEFORE DISCONNECTING ANY SERVICES COORDINATE WITH HAS IT.
- REMOVE ALL UNUSED CABLE BACK TO TERMINATION POINT. DEMO OR PROPERLY CAP ALL CONDUIT THAT WILL NOT BE USED.

HOUSTON AIRPORT SYSTEM
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1	ISSUED FOR BID	04-04-2022	AL

WILLIAM P. HOBBY AIRPORT (HOU)
PASSENGER LOADING BRIDGE REPLACEMENT
TELECOMMUNICATIONS DEMO

PROJECT MGR:	MB
DESIGNER:	WA
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SCALE:	AS SHOWN
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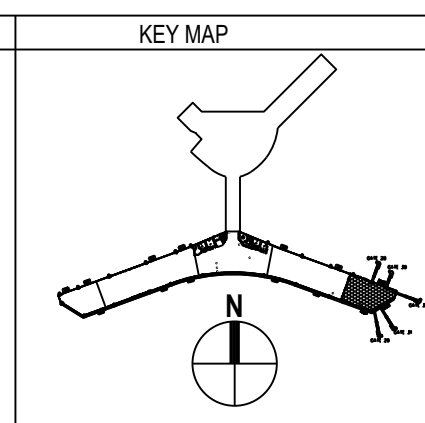
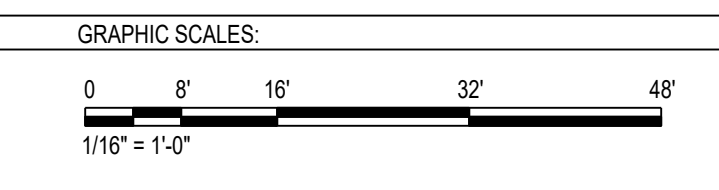
APPROVED BY: _____ DATE: _____

DIRECTOR
HOUSTON AIRPORT SYSTEM

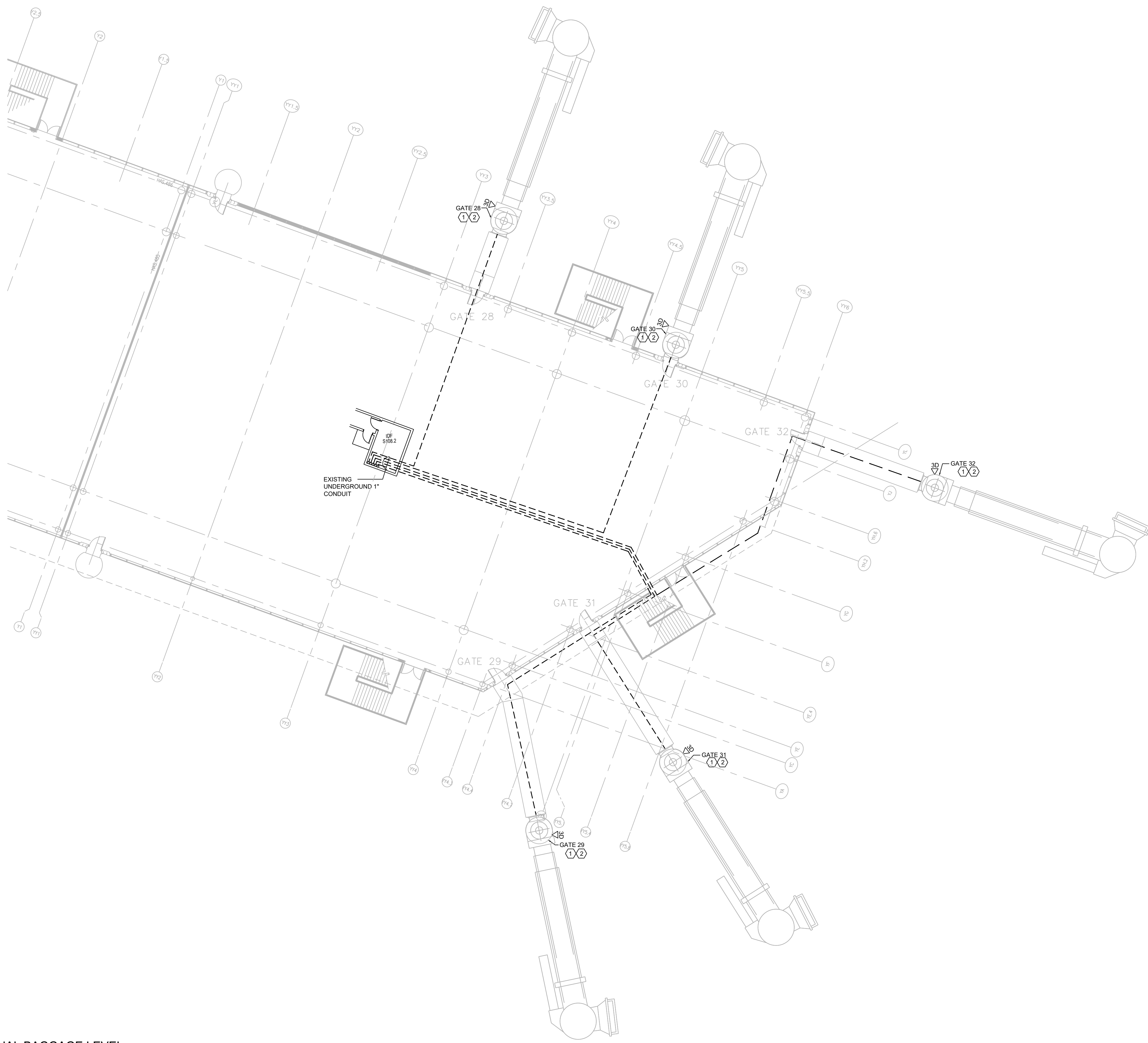
JACOBS PROJECT NO:
WHXK7119
C.I.P. NO.: _____
H.A.S. NO.: PN946B
SHEET NO.: _____

KEYNOTES

- DEMO (3) NETWORK CABLES FROM PEDESTRIAN BRIDGE INTERFACE BOX BACK TO THE TERMINATION POINT. DEMO PEDESTRIAN BRIDGE INTERFACE BOX.



TD-1.01



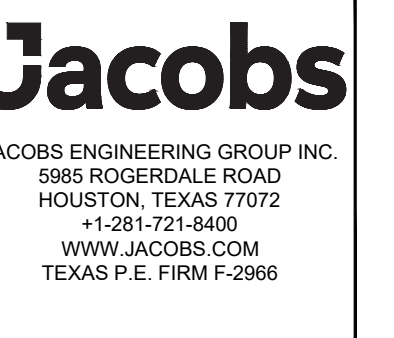
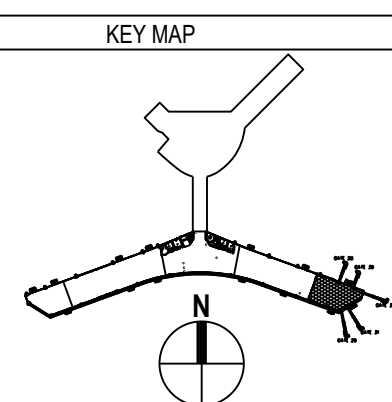
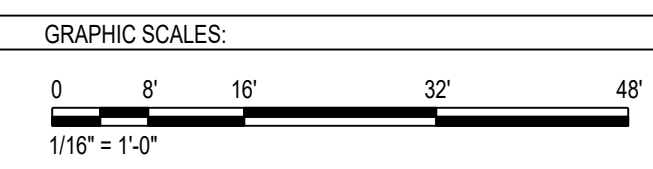
A1 TERMINAL BAGGAGE LEVEL
1/16" = 1' - 0"

GENERAL NOTES

- COORDINATE LOCATION OF PEDESTRIAN BRIDGE INTERFACE WITH PEDESTRIAN BRIDGE CONTRACTOR.

KEYNOTES

- 1 24"X24"X6" STAINLESS STEEL NEMA 4 INTERFACE BOX WITH A HINGED DOOR.
- 2 PULL 3 NEW NETWORK CABLES FROM THE TERMINATION POINT TO THE BRIDGE INTERFACE BOX.



REVISIONS

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR BID	04-04-2022	AL

WILLIAM P. HOBBY AIRPORT (HOU)
 PASSENGER LOADING BRIDGE REPLACEMENT
 TELECOMMUNICATIONS APRON LEVEL

PROJECT MGR:	MB
DESIGNER:	WA
DRAWN BY:	JK
CHECKED BY:	AL
SCALE:	AS SHOWN
DATE:	APRIL 04, 2022

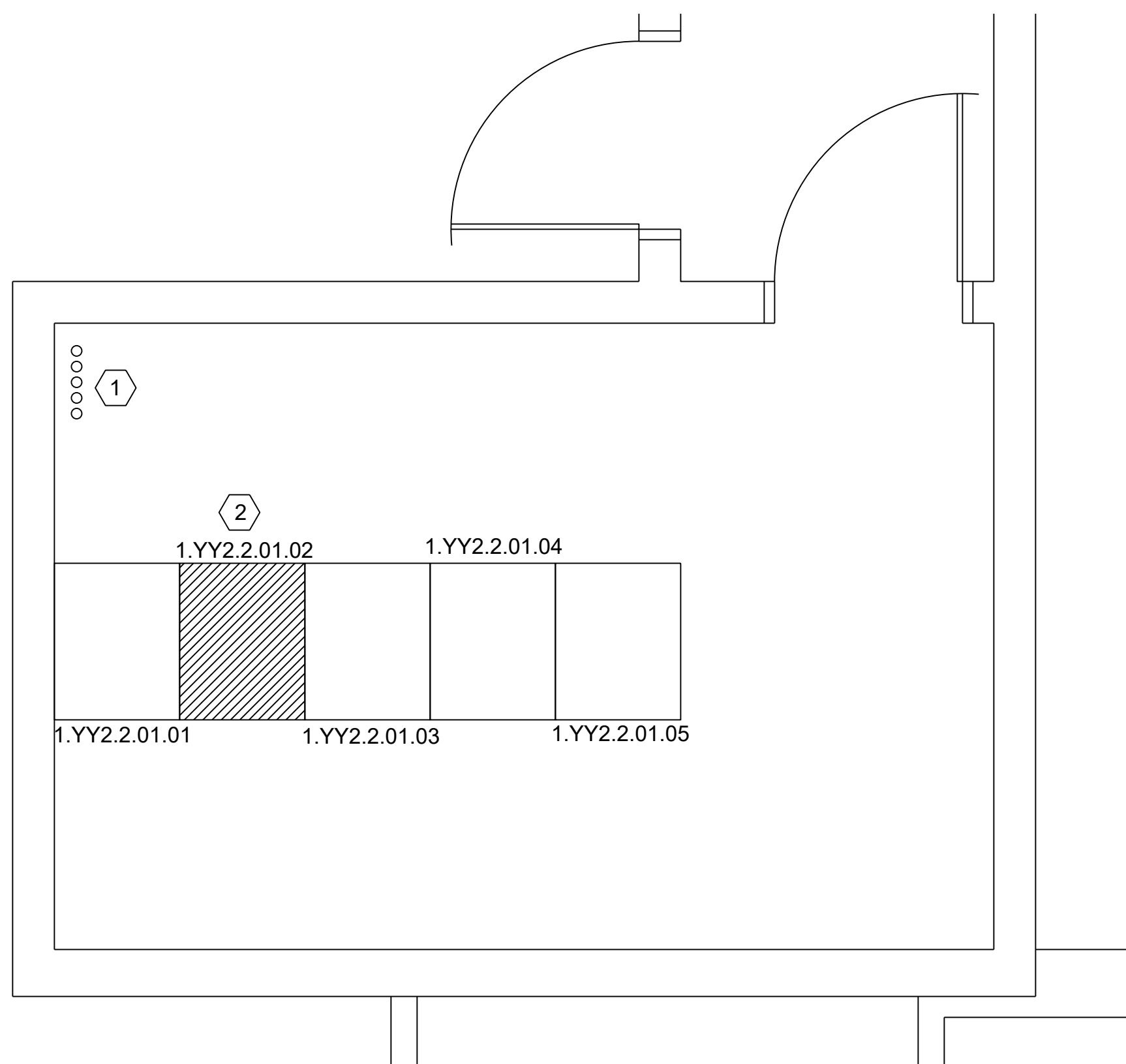


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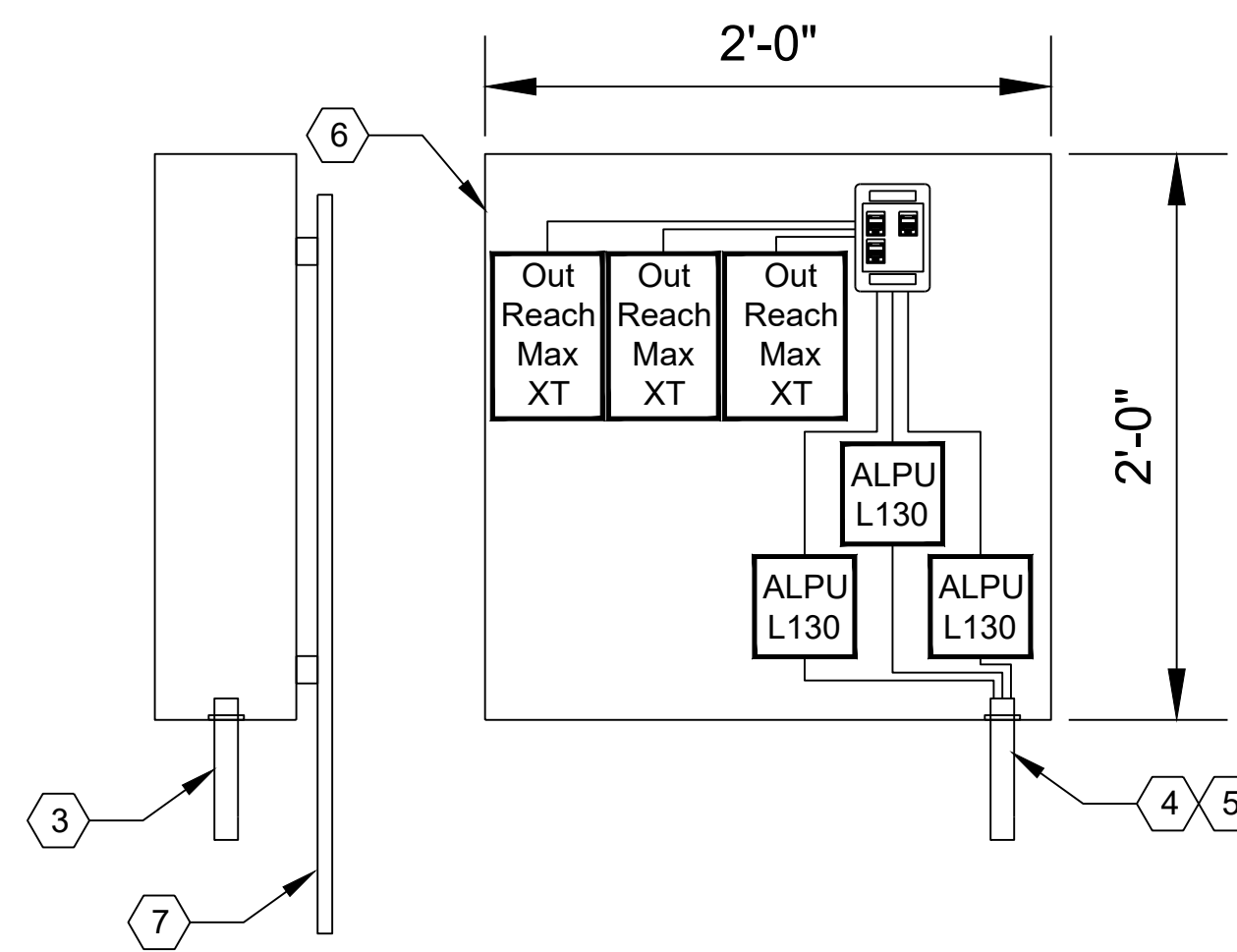
DIRECTOR
HOUSTON AIRPORT SYSTEM

JACOBS PROJECT NO:
WHXK7119
C.I.P. NO.: _____
H.A.S. NO.: PN946B
SHEET NO.: _____

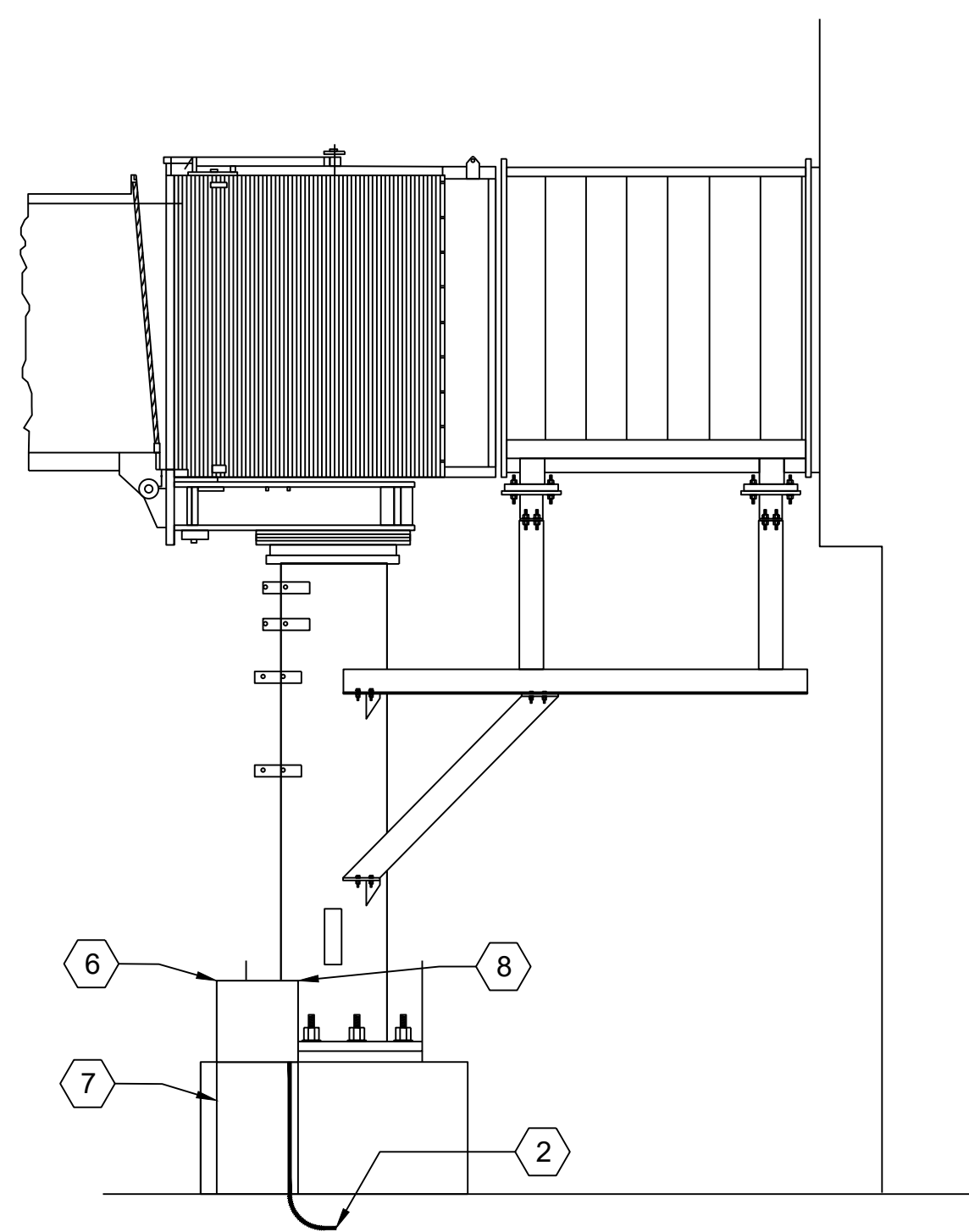
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C1 TERMINAL BAGGAGE LEVEL IDF ROOM (1.YY2.2)
1/2" = 1' - 0"



C3 INTERFACE ENCLOSURE DETAIL
1 1/2" = 1'-0"



A1 PEDESTRIAN BRIDGE INTERFACE
1/4" = 1' - 0"

GENERAL NOTES

- COORDINATE INTERFACE TO PASSENGER BRIDGE WITH BRIDGE INSTALLERS.
- COORDINATE ETHERNET SURGE PROTECTION DEVICE (SPD) LOCATION IN IDF 1.YY2.2 WITH HAS IT.

HOUSTON AIRPORT SYSTEM
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REVISIONS

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR BID	04-04-2022	AL

WILLIAM P. HOBBY AIRPORT (HOU)
PASSENGER LOADING BRIDGE REPLACEMENT
TELECOMMUNICATIONS DETAILS

KEYNOTES

- EXISTING 1" CONDUIT ROUTE TO EACH OF THE 5 PEDESTRIAN BRIDGE ROTUNDA.
- PEDESTRIAN BRIDGE CATEGORY 6 CABLE TERMINATE IN IT DATA CABINET #2 (1.YY2.2.01.02).
- TIE EXISTING 1" CONDUIT INTO STAINLESS STEEL 24" X 24" X 6" NEMA 4 ENCLOSURE.
- (3) CATEGORY 6 CABLES BACK TO IDF.
- EXISTING ONE (1) 1" CONDUIT, BACK TO IDF 1.YY2.2.
- STAINLESS STEEL 24" X 24" X 6" NEMA 4 ENCLOSURE.
- UNISTRUT SUPPORT SYSTEM.
- PEDESTRIAN BRIDGE INTERFACE.

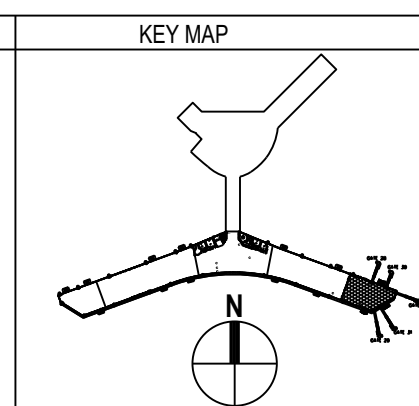
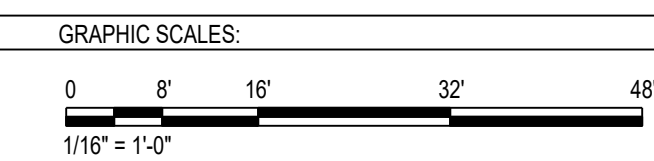
PROJECT MGR: MB
DESIGNER: WA
DRAWN BY: JK
CHECKED BY: AL
SCALE: AS SHOWN
DATE: APRIL 04, 2022



APPROVED BY: DATE:

DIRECTOR
HOUSTON AIRPORT SYSTEM

JACOBS PROJECT NO:
WHXK7119
C.I.P. NO:
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PN946B
SHEET NO:



TN-4.01