CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM
Recommended
01/27/2022
Houston Airports System Director or Designated Representative — DATE

REVIEWED / NO EXCEPTIONS TAKEN
The drawings & supporting documents submitted for permit review meet the design intent, and to the best of our knowledge, appear to be in compliance with current HAS approved standards.
By performance and approval of this review there not waiver, nor variance, nor approval from all responsibility & liability to conform and comply with all applicable standards, codes, and regulations required from all Authorities Having Jurisdiction (AHJ).

HOUSTON AIRPORT SYSTEM

HOU INFORMATION COUNTER RENOVATION

WIILLIAM P. HOBBY AIRPORT (HOU)

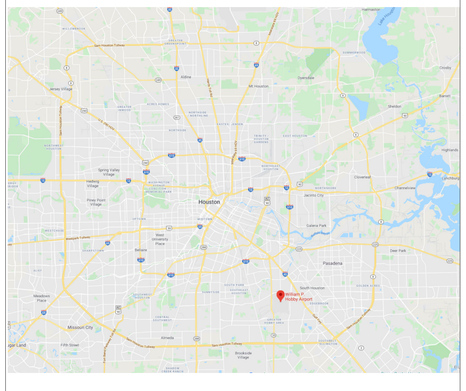
100% PERMIT, BID
CONSTRUCTION

MAYOR
SYLVESTER TURNER

CITY COUNCIL MEMBERS
AMY PECK - DISTRICT A
JERRY DAVIS - DISTRICT B
ABBIE KAMIN - DISTRICT C
CAROLYN EVANS-SHABAZZ - DISTRICT D
DAVE MARTIN - DISCTRICT E
TIFFANY THOMAS - DISTRICT F
GREG TRAVIS - DISTRICT G
KARLA CISNEROS - DISTRICT H
ROBERT GALLEGOS - DISTRICT I
EDWARD POLLARD - DISTRICT J
MARTHA CASTEX-TATUM - DISTRICT K

CONTROLLER
CHRIS B. BROWN

COUNCIL MEMBERS AT LARGE
MIKE KNOX - AT LARGE 1
DAVID ROBINSON - AT LARGE 2
MICHAEL KUBOSH - AT LARGE 3
LETITIA PLUMMER - AT LARGE 4
SALLIE ALCORN - AT LARGE 5



AREA MAP
N.T.S.

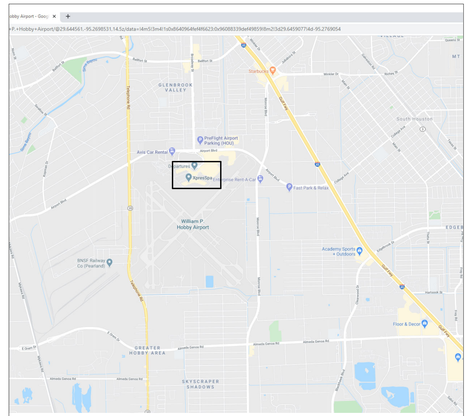
PROJECT TEAM

OWNER
HOUSTON AIRPORT SYSTEM
7800 AIRPORT BLVD
HOUSTON, TX 77061
713.640.3000 (P)

ARCHITECT
ENGLISH + ASSOCIATES ARCHITECTS, INC.
1919 DECATUR ST.
HOUSTON, TX 77007
713.850.0400 (P)

MEP
E&C ENGINEERS & CONSULTANTS, INC.
1010 LAMAR ST, STE 650
HOUSTON, TX 77002
713.580.8800 (P)

IT
PGA ENGINEERS, INC.
3838 N. SAM HOUSTON PKWY E.,
STE. 550
HOUSTON, TX 77032
346.570.2418 (P)



VICINITY MAP
N.T.S.

HOUSTON AIRPORTS
7800 AIRPORT BLVD
HOUSTON, TEXAS 77061

HOU INFORMATION COUNTER RENOVATION

C.I.P. No.	A.I.P. No.
C.O.H. No.	D.O.A No.

ENGLISH + ASSOCIATES
Architects, Inc
1919 DECATUR
HOUSTON, TEXAS
77007 - 7636
713.850.0400T
713.850.0411F
www.english-architects.com

DESIGNER PROJECT No.: 20011.07
PROJECT STATUS: 100% PERMIT, BID CONSTRUCTION

REVISIONS

No.	DESCRIPTION	DATE	BY
	SCHEMATIC DESIGN	10.23.20	
	DESIGN DEVELOPMENT	12.04.20	
	95% OWNER REVIEW	09.24.21	
	100% PERMIT, BID AND CONSTRUCTION	11/08/21	

DESIGNER:	Designer
DRAWN BY:	MD
CHECKED BY:	ACM
ISSUE DATE:	11/08/2021
APPROVED BY:	Approver
APPROVAL DATE:	

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/ Approval Category
Approved For Construction

REGISTERED ARCHITECT
KATHLEEN A. ENGLISH
12622
STATE OF TEXAS
11/08/2021

PN # 941

TIP NO. # TIP-21-128-HOU

SHEET NAME: COVER

SHEET No. G000 **SCALE:**

SHEET SIZE: 22"x34" ANSI-D

FILE PATH:
HAS FILE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :

ENLARGED PLAN / DETAIL REFERENCE — 1 / A101 Ref

SPOT ELEVATION

BREAK LINE

REVISION / ADDENDUM CLOUD — 1

CENTERLINE — ℄

BUILDING SECTION — 1 / A101

SECTION — 1 / A101

NORTH ARROW — NORTH

LEVEL ANNOTATION — Name / Elevation

STRUCTURAL GRID ANNOTATION — 0

WINDOW TAG — 1t

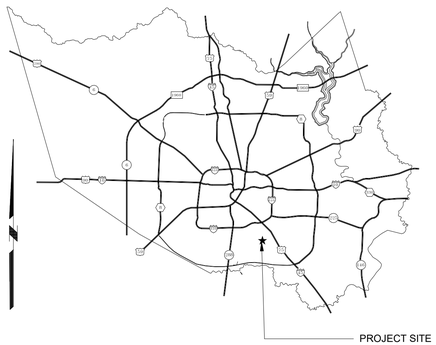
EQUIPMENT / KEYED TAG — 1i

ROOM TAG — Room name / 101

SYMBOLS LEGEND A2

WOOD	CONCRETE BLOCK
ALUMINUM	RIGID INSULATION
STEEL	BATT INSULATION
EARTH	CONCRETE
GYPSUM - PLASTER	MASONRY

MATERIAL SYMBOL D3



SITE CONTEXT MAP B2

1 THE CONTRACTOR SHALL THOROUGHLY EXAMINE THE PREMISES AND BASE HIS BID ON THE EXISTING CONDITIONS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT PROMPTLY OF ANY DISCREPANCIES IN THE FIELD CONDITIONS OR DIMENSIONS PRIOR TO SUBMITTING HIS BID.

2 THE ARCHITECT SHALL BE THE PRIMARY SOURCE FOR INFORMATION REGARDING EACH DISCIPLINE, IE: ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, STRUCTURAL, ETC.

3 THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS AND WORKMANSHIP IN ACCORDANCE WITH ALL APPLICABLE HEALTH AND SAFETY REQUIREMENTS, BUILDING CODES, AND ORDINANCES.

4 ALL EQUIPMENT, FIXTURES, ETC. SHOWN ON THE PLAN SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

5 THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SAMPLES OF ALL FOUNDATIONS, STEEL WORK, SITE WORK, MILLWORK, SPECIAL CONSTRUCTION, ETC. IN A TIMELY MANNER FOR THE ARCHITECT'S REVIEW PRIOR TO ORDERING, FABRICATING, OR INSTALLING.

6 DIMENSIONS ARE SHOWN ON THE PLANS. DO NOT SCALE OFF OF THE DRAWINGS. ALL DIMENSIONS ARE FROM FACE TO FACE OF PARTITIONS UNLESS NOTED OTHERWISE.

7 ALL HEIGHTS ARE DIMENSIONED FROM THE TOP OF CONCRETE SLAB UNLESS NOTED OTHERWISE.

8 ALL WORK SHALL CONFORM TO THE APPLICABLE PORTIONS OF THE SPECIFICATIONS, UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF DISCREPANCIES BETWEEN THE DRAWINGS AND THE SPECIFICATIONS PRIOR TO PROCEEDING WITH CONSTRUCTION.

9 ALL FINISH & CONSTRUCTION MATERIALS USED SHALL MEET MINIMUM REQUIRED FIRE CLASS & SMOKE DEVELOPED RATINGS, IE. CLASS A, S.D. 0.

10 MANUFACTURED MATERIALS, EQUIPMENT, ETC. SPECIFIED FOR THIS CONTRACT SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS UNLESS NOTED OTHERWISE.

11 ALL REQUESTS FOR SUBSTITUTIONS OF ANY ITEMS SPECIFIED SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT AND SHALL BE CONSIDERED ONLY IF BETTER SERVICE FACILITIES, MORE ADVANTAGEOUS DELIVERY DATE, OR A LESSER PRICE WITH A CREDIT TO THE OWNER WILL BE PROVIDED WITHOUT SACRIFICING QUALITY, APPEARANCE, AND FUNCTION. UNDER NO CIRCUMSTANCES WILL THE ARCHITECT BE REQUIRED TO PROVE THAT A PRODUCT PROPOSED FOR SUBSTITUTION IS OR IS NOT OF EQUAL QUALITY TO THE PRODUCT SPECIFIED.

12 "TYPICAL" MEANS TYPICAL FOR ALL SIMILAR CONDITIONS UNLESS NOTED OTHERWISE.

13 ALL MATERIALS USED FOR NEW CONSTRUCTION INCLUDING, BUT NOT LIMITED TO: INSULATION, ADHESIVES COATINGS, ETCETERA; SHALL BE ENTIRELY FREE FROM ASBESTOS.

14 CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND FEES.

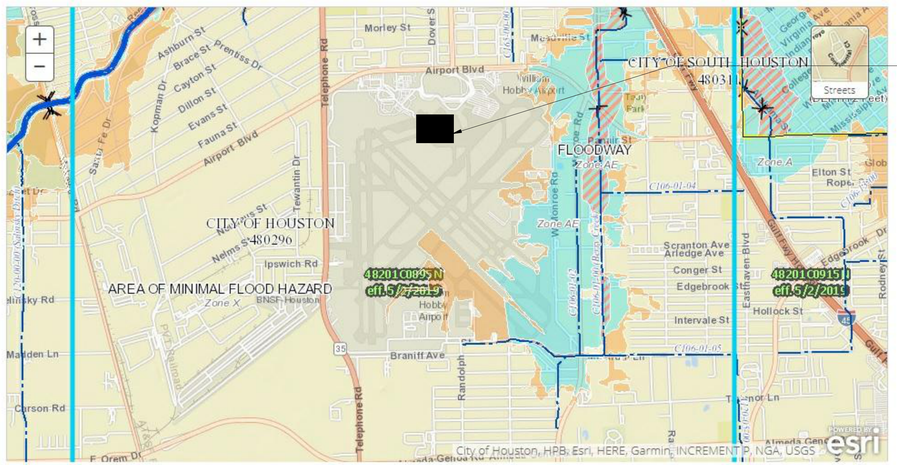
15 ALL NEW GYPSUM BOARD CONSTRUCTION SHOWN ALIGNED WITH EXISTING CONSTRUCTION SHALL BE INSTALLED IN THE SAME PLANE AS THE EXISTING WITH NO VISIBLE JOINT. ALL DAMAGED GYPSUM BOARD FROM EXISTING OR RESULTING FROM NEW CONSTRUCTION SHALL BE REPAIRED TO REMOVE ANY VISIBLE MARKS OR DISCOLORATIONS.

16 ALL WORK WITH NOISE PRODUCING, OR DISRUPTIVE EQUIPMENT NEAR OCCUPIED AREAS OF THE BUILDING IS SUBJECT TO COORDINATION WITH THE OWNER'S PROJECT MANAGER ON SITE.

17 ANY FLOOR PENETRATION WILL NEED TO BE X-RAY SCANNED WITH A GPR REPORT TO IDENTIFY EXISTING REINFORCING BARS AND/OR UTILITIES THROUGHOUT THE EXISTING SLAB/FLOOR PRIOR TO DRILLING/CORING FOR ANY PENETRATIONS, THIS INCLUDES BUT NOT LIMITED TO FLOOR ANCHORS, CORES, ELECTRICAL POKE-THRUS, ETC. ALL SCANS ARE TO BE SUBMITTED TO HAS/EOR FOR REVIEW BEFORE WORK CAN BE PERFORMED.

18 THIS PROJECT SHALL FOLLOW HOUSTON AIRPORT SYSTEM (HAS) STANDARDS FOR ALL DISCIPLINES. ANY CONFLICTS BETWEEN HAS STANDARDS AND BID/CONSTRUCTION DOCUMENTS ARE TO BE BROUGHT TO THE ARCHITECT'S ATTENTION VIA RFI IMMEDIATELY.

GENERAL NOTES C4



NO PORTION OF THE SITE IS IN A FLOOD ZONE

PIN — Approximate location based on user input and does not represent an authoritative property location

MAP PANELS — Selected FloodMap Boundary; Digital Data Available; No Digital Data Available; Unmapped

OTHER AREAS — NO SCREEN Area of Minimal Flood Hazard Zone X; Effective LOMRs; Area of Undetermined Flood Hazard Zone D; Otherwise Protected Area; Coastal Barrier Resource System Area

SPECIAL FLOOD HAZARD AREAS — Without Base Flood Elevation (BFE) Zone A, V, A99; With BFE or Depth; Regulatory Floodway Zone AE, AO, AH, VE, AR

OTHER AREAS OF FLOOD HAZARD — 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X; Future Conditions 1% Annual Chance Flood Hazard Zone X; Area with Reduced Flood Risk due to Levee. See Notes. Zone X; Area with Flood Risk due to Levee Zone D

OTHER FEATURES — 20.2 / 17.0 Cross Sections with 1% Annual Chance Water Surface Elevation; Coastal Transect; Base Flood Elevation Line (BFE); Limit of Study; Jurisdiction Boundary; Coastal Transect Baseline; Profile Baseline; Hydrographic Feature

GENERAL STRUCTURES — Channel, Culvert, or Storm Sewer; Levee, Dike, or Floodwall

VICINITY MAP WITH FLOOD PLAIN C1

PROJECT DESCRIPTION	REPLACEMENT OF SEVERAL INFORMATION COUNTERS IN FOUR SEPARATE PARTS OF THE AIRPORT
PROJECT LOCATION	7800 AIRPORT BLVD HOUSTON, TEXAS 77061
MODEL CODES FOR THE RENOVATION	
BUILDING CODE	2012 INTERNATIONAL BUILDING CODE
FIRE CODE	2012 INTERNATIONAL FIRE CODE
MECHANICAL CODE	2012 UNIFORM MECHANICAL CODE
ELECTRICAL CODE	2017 NATIONAL ELECTRICAL CODE
PLUMBING CODE	2012 UNIFORM PLUMBING CODE
ENERGY CODE	2015 IECC
ACCESSIBILITY CODE	2012 TEXAS ACCESSIBILITY CODE
ORIGINAL BUILDING CONSTRUCTED	UNKNOWN
MODEL CODES FOR ORIGINAL CONST.	UNKNOWN
CURRENT BUILDING SIZE PER FLOOR	VARIES
NUMBER OF STORIES	3
AREA MODIFIED BY PROJECT	650 ft²
CONSTRUCTION TYPE	I-A
OCCUPANCY TYPE	A-3
OCCUPANCY LOAD PER FLOOR	+/- VARIES
SPRINKLERED	YES
TYPICAL CEILING HEIGHT	VARIES

GENERAL PROJECT DESCRIPTION D

SHEET NUMBER	SHEET NAME	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	CONSTRUCTION DOCUMENTS
GENERAL				
G000	COVER	X	X	X
G001	INDEX, PROJECT INFO & NOTES	X	X	X
G002	REFERENCE PLAN - BAGGAGE CLAIM	X	X	X
G003	REFERENCE PLAN - LEVEL 1	X	X	X
ARCHITECTURAL				
AD101	DEMOLITION PLAN - BAGGAGE CLAIM - AREA A	X	X	X
AD102	DEMOLITION PLAN - LEVEL 1 - AREA B & C	X	X	X
A101	ARCHITECTURAL FLOOR PLAN - BAGGAGE CLAIM - AREA A	X	X	X
A102	ARCHITECTURAL FLOOR PLAN - LEVEL 1 - AREAS B AND C	X	X	X
A103	ARCHITECTURAL FLOOR PLAN - LEVEL 1 - AREA D	X	X	X
AE101	DATA, ELEC, EQUIPT. LOCATION PLAN - BAGGAGE CLAIM - AREA A		X	X
AE102	DATA, ELEC, EQUIPT. LOCATION PLAN - LEVEL 1 - AREAS B AND C		X	X
AE103	DATA, ELEC, EQUIPT. LOCATION PLAN - LEVEL 1 - AREA D		X	X
A350	WALL SECTIONS			X
A351	WALL SECTIONS			X
A401	ENLARGED "VIEWS"	X	X	X
A402	IT, DATA, & ELECTRICAL ELEVATIONS			X
A850	MILLWORK SECTIONS AND DETAILS	X	X	X
ELECTRICAL				
E000	ELECTRICAL SYMBOLS AND ABBREVIATIONS		X	X
E002	ELECTRICAL OVERALL PLAN - BAGGAGE CLAIM		X	X
E003	ELECTRICAL OVERALL PLAN - TICKETING		X	X
E100	ELECTRICAL PLAN - AREA A		X	X
E101	ELECTRICAL PLAN AREA B & C		X	X
E102	ELECTRICAL PLAN AREA D		X	X
E200	ELECTRICAL SCHEDULES AND RISERS		X	X
TECHNOLOGY				
T-001	TECHNOLOGY - INDEX SYMBOLS & NOTES		X	X
T-002	TECHNOLOGY - GENERAL NOTES		X	X
T-101	TECHNOLOGY - REFERENCE PLAN - BAGGAGE CLAIM		X	X
T-102	TECHNOLOGY - REFERENCE PLAN - LEVEL 1		X	X
T-103	TECHNOLOGY - DEMOLITION PLAN - BAGGAGE CLAIM - AREA A		X	X
T-104	TECHNOLOGY - DEMOLITION PLAN - LEVEL 1 - AREA B & C		X	X
T-106	TECHNOLOGY - FLOOR PLAN - BAGGAGE CLAIM - AREA A		X	X
T-107	TECHNOLOGY - FLOOR PLAN - LEVEL 1 AREA B & C		X	X
T-108	TECHNOLOGY - FLOOR PLAN - LEVEL 1 AREA D		X	X
T-401	TECHNOLOGY - IDF 100.14 ENLARGED PLAN		X	X
T-402	TECHNOLOGY - IDF 101.40 ENLARGED PLAN		X	X
T-403	TECHNOLOGY - IDF 313.10 ENLARGED PLAN		X	X
T-404	TECHNOLOGY - IDF 313.10 ENLARGED PLAN			X
T-501	TECHNOLOGY - EQUIPMENT DETAILS			X
T-601	TECHNOLOGY - EQUIPMENT SCHEDULES			X

DRAWING LIST D1

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM
Recommended
01/27/2022
Houston Airports System Director or Designated Representative — DATE

REVIEWED / NO EXCEPTIONS TAKEN
The drawings & supporting documents submitted for permit have been reviewed by the design professional of record and appear to meet the design intent and, to the best of our knowledge, appear to be in general conformance with HAS approved standards.
Performance and approval of the work described herein is the responsibility of the design professional of record. HAS reserves, nor relieves the applicant of, the right to require corrections, changes, or additions to the work to comply with applicable codes, and regulations adopted by the Houston Airport System Authorities having jurisdiction over the project.

HOUSTON AIRPORTS

7800 AIRPORT BLVD
HOUSTON, TEXAS 77061

HOU INFORMATION COUNTER RENOVATION

C.I.P. No.	A.I.P. No.
C.O.H. No.	D.O.A No.

ENGLISH + ASSOCIATES
Architects, Inc
1919 DECATUR
HOUSTON, TEXAS
77007 - 7636
713.850.0400T
713.850.0411F
www.english-architects.com

DESIGNER PROJECT No.: 20011.07

PROJECT STATUS: 100% PERMIT, BID CONSTRUCTION

REVISIONS

No.	DESCRIPTION	DATE	BY
	SCHEMATIC DESIGN	10.23.20	
	DESIGN DEVELOPMENT	12.04.20	
	95% OWNER REVIEW	09.24.21	

DESIGNER:	Designer
DRAWN BY:	MD
CHECKED BY:	07.08.21
ISSUE DATE:	09/24/2021
APPROVED BY:	Approver
APPROVAL DATE:	

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/ Approval Category

Approved For Construction

REGISTERED ARCHITECT — KATHLEEN A. ENGLISH — 12622 — STATE OF TEXAS
11/08/2021

PN # 941

TIP NO. # TIP-21-128-HOU

SHEET NAME: INDEX, PROJECT INFO & NOTES

SHEET No. G001 **SCALE:** As indicated

SHEET SIZE: 22"x34" ANSI-D

FILE PATH:
HAS FILE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM

Recommended

Houston Airports System Director or Designated Representative — DATE 01/27/2022

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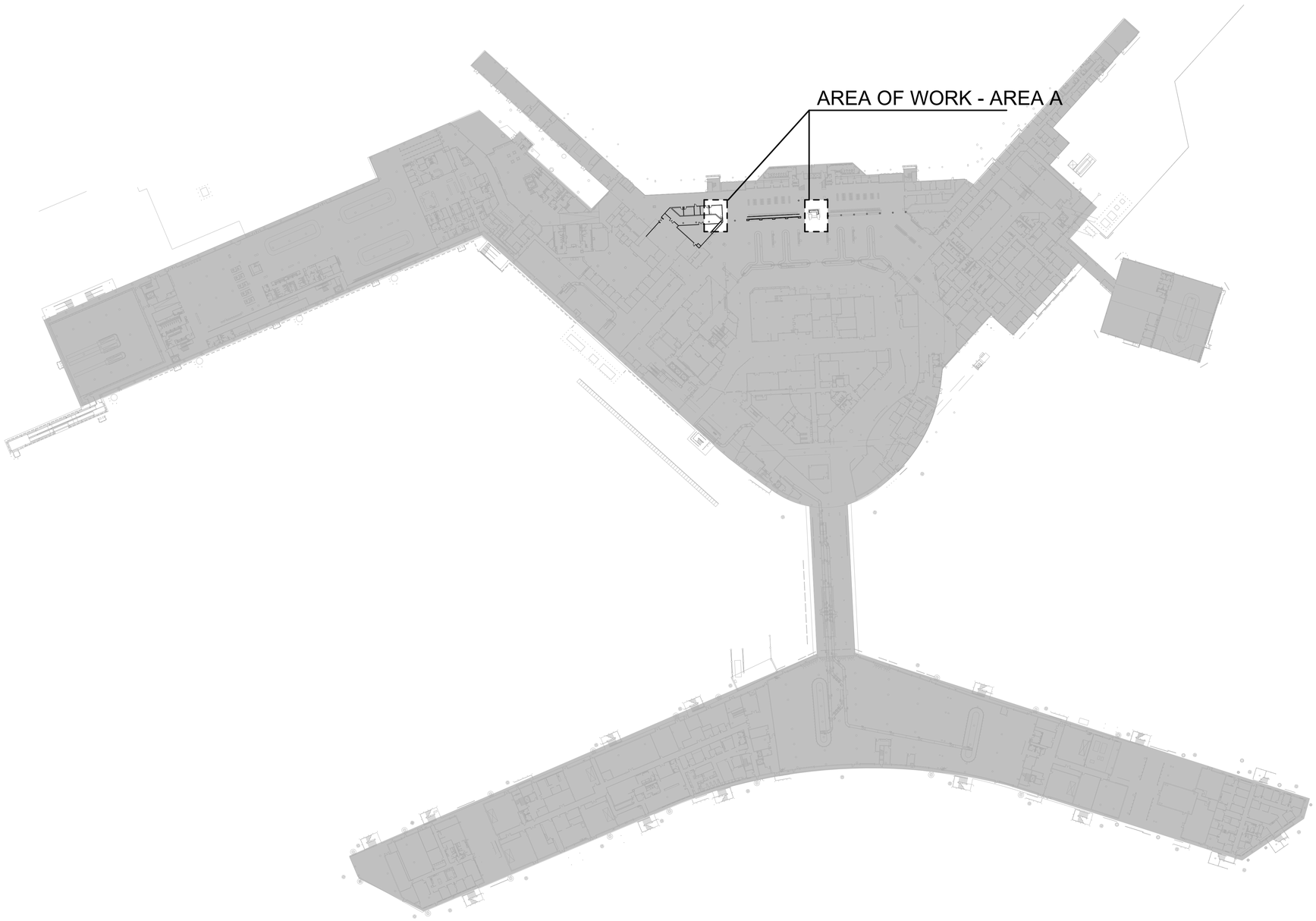

NORTH

OVERALL PLAN - BAGGAGE CLAIM | SCAL 1" = 80'-0" | D1

- G002 -

HOUSTON AIRPORTS

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REGISTERED ARCHITECT
KATHLEEN A ENGLISH
12622
STATE OF TEXAS
11/08/2021

PN # 941

TIP NO. # TIP-21-128-HOU

SHEET NAME:	REFERENCE PLAN - BAGGAGE CLAIM
SHEET No. G002	SCALE: 1" = 80'-0"

SHEET SIZE: 22"x34" ANSI-D

FILE PATH:
HAS FILE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :

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HOUSTON AIRPORTS SYSTEM

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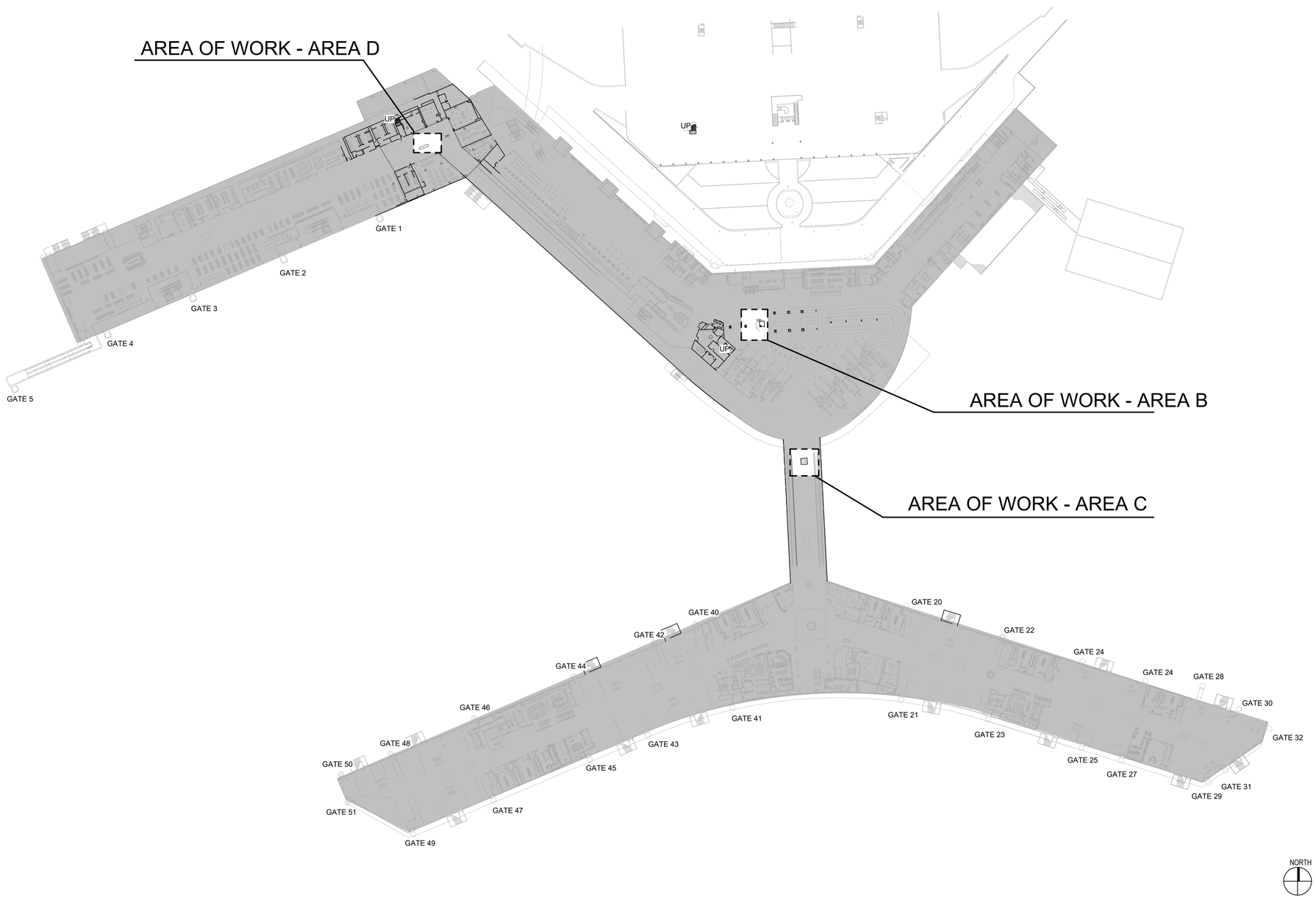

OVERALL PLAN - LEVEL 1 (TICKETING) SCAL 1" = 80'-0" D1

- G003 -

FILE PATH:
HAS FILE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :

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KATHLEEN A ENGLISH
12622
STATE OF TEXAS
11/08/2021

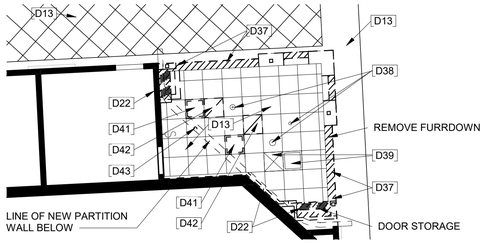
PN # 941

TIP NO. # TIP-21-128-HOU

SHEET NAME: REFERENCE PLAN - LEVEL 1

SHEET No. G003 **SCALE:** 1" = 80'-0"

SHEET SIZE: 22"x34" ANSI-D



DEMOLITION CEILING PLAN - BAGGAGE CLAIM - GROUND LEVEL - AREA A

SCAL 1/8" = 1'-0" B3

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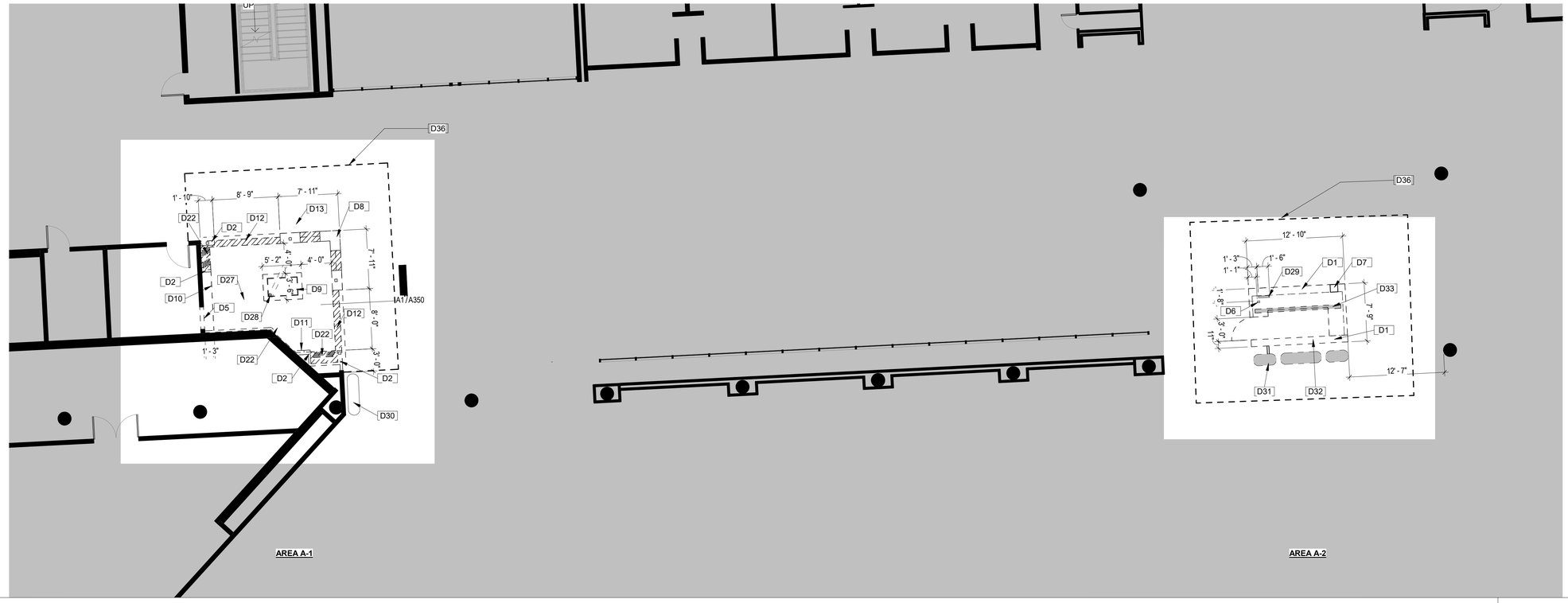

DEMOLITION PLAN - BAGGAGE CLAIM - GROUND LEVEL

SCAL 1/8" = 1'-0" D2

GENERAL NOTES

11 THERMOSTATS LOCATED ON WALLS TO BE REMOVED, SHALL BE PROTECTED AND SECURED ABOVE THE CEILING AND TAGGED WITH THE ZONE NUMBER.

12 ALL EXISTING FLOORS MOUNTED OUTLETS DESIGNATED TO BE REMOVED, CONTRACTOR SHALL FILL CORES WITH CONCRETE OR EPOXY AND FIRE SEALED AS PER CODE.

13 CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE REMOVAL AND DISCARDING OF ALL DEMOLITION WASTE.

14 ALL DEMO OR PENETRATIONS THROUGH THE FLOOR MUST HAVE A FLOOR PENETRATING RADAR (GPR) TEST PRIOR TO START OF ANY WORK

1 REFER TO SHEET G0-01 INDEX FOR GENERAL NOTES, SYMBOL LEGEND AND OTHER IMPORTANT INFORMATION.

2 FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DIRCREPANCIES IN PLAN TO THE ARCHITECT/ ENGINEER BEFORE ANY WORK COMMENCES.

3 ALL DEMOLITION SHALL BE EXECUTED NEATLY AND WITHOUT ANY DAMAGE TO REMAINING CONSTRUCTION INCLUDING ALL EXISTING EQUIPMENT AND FINISHES. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE.

4 ALL REMAINING PARTITIONS AND COLUMN COVERS SHALL BE PATCHED, TAPED AND FLOATED, READY TO RECEIVE PAINT OR WALL COVERING.

5 ALL EXISTING WINDOW COVERINGS SHALL REMAIN, UNLESS NOTED OTHERWISE. PROTECT (RAISE OR REMOVE) DURING DEMOLITION/ CONSTRUCTION.

6 CONTRACTOR SHALL PROTECT ELEVATOR CAB WALLS AND FLOOR AS DIRECTED BY BUILDING MANAGEMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ELEVATOR CABS.

7 EXISTING SECURITY SYSTEM, FIRE HOSE CABINETS, SMOKE AND FIRE ALARM DEVICES, FIRE ALARM SYSTEM, MOTION DETECTORS, SPEAKERS, STROBE LIGHTS, EXIT SIGNS AND ETC. SHALL REMAIN UNLESS NOTED OTHERWISE. CONTRACTOR SHALL PROTECT THESE DEVICES DURING DEMOLITION/ CONSTRUCTION.

8 ALL REMOVED DOORS, FRAMES AND HARDWARE SHALL BE STORED FOR REUSE, UNLESS NOTED OTHERWISE.

9 EXISTING CEILING GRID AND TILES SHALL REMAIN, UNLESS NOTED OTHERWISE.

10 AT AREAS WHERE FLOOR COVER IS TO BE REMOVED, ALL EXISTING GROUT, CARPET PAD, NAILS AND REMNANTS SHALL BE REMOVED. CONTRACTOR SHALL PREPARE SLAB AS REQUIRED TO RECEIVE NEW FINISHES. EXISTING SLAB SHALL BE LEVELED AS NECESSARY THROUGHOUT THE SPACE.

B1

KEYED NOTES

D1	CARFEFULLY DEMO EXISTING INFORMATION DESK COUNTER, CABINETS AND BACK WALL.
D2	CAREFULLY DEMO EXISTING WALL.
D5	CAREFULLY DEMO PORTION OF EXISTING WALL IN PREPARATION FOR NEW DOOR. RE: ARCH.
D6	EXISTING JUNCTION BOX BELOW COUNTER TO BE RELOCATED TO ELECTRICAL/ COMMUNICATIONS BOX
D7	DEMO EXISTING DATA AND ELECTRICAL BELOW COUNTER PULL BACK TO SOURCE. CUT/CAP CONDUITS BELOW FLOOR. RE: ARCH. FOR FLOOR REPAIRS
D8	DEMO EXISTING LARGE FORMAT "H" IN ITS ENTIRETY. ALL PART AND PIECES
D9	RELOCATE EXISTING INTERACTIVE COMPUTER TABLE PER OWNER'S DIRECTIONS.
D10	DEMO EXISTING MILLWORK CABINET
D11	DEMO EXISTING BUILT IN MILLWORK BOOKSHELF
D12	DEMO EXISTING GLASS PARTITION
D13	PROTECT CEILING TILES, FURRDOWN, LIGHTS AND GRID TO REMAIN DURING PROJECT. REPAIR CEILING GRID AND NEW CEILING TILES FOR NEW CONSTRUCTION AFTER FURRDOWNS REMOVAL
D22	CAREFULLY DEMO EXISTING FURROUT AND CEILING FURRDOWN WITH EXISTING ALUMINUM DOOR TRACKS. ONLY DEMO TO THE EXTENT OF EXISTING EXTERIOR EDGE FURRDOWN HOLDING DOORS TO REMAIN. SEE: D37. PATCH AND REPAIR FOR NEW CONSTRUCTION
D27	REMOVE EXISTING CARPET AND PREPARE FLOORING FOR NEW CARPET
D28	EXISTING DATA/ELECTRICAL ON ON FLOOR TO BE EXTENDED TO NEW LOCATION UNDER NEW BUILT IN DESK. CORE FLOOR AS REQUIRED RE:ARCH. FOR REPAIRS. RE: ELECT. FOR ADDITIONAL INFORMATION
D29	EXISTING ELECTRICAL BOX TO REMAIN. PROTECT AND PREPARE FOR NEW FINISHES
D30	EXISTING JC DECAUX DISPLAY TO REMAIN. PROTECT DURING DEMO AND CONSTRUCTION
D31	EXISTING JC DECAUX DISPLAYS. CAREFULLY DISCONNECT DATA/ELECTRICAL AND PREP FOR RELOCATION AND REINSTALLATION RE: ARCH/ELEC./ IT
D32	EXISTING DATA AND ELECTRICAL TO BE PULLED BACK TO COMMUNICATIONS BOX. CONDUIT REMOVE BELOW FLOOR LINE. RE: ARCH FOR PATCHING
D33	CAREFULLY DEMO 6" WIDE TRENCH IN TERRAZZO FLOOR FOR NEW DATA AND ELECTRICAL CONDUIT FOR RELOCATED JC DECAUX DISPLAYS
D36	PROVIDE AND INSTALL TEMPORARY BARRICADES AND SIGNAGE, COORDINATE WITH HAS REPRESENTATIVE. MATCH AIRPORT STANDARD TEMPORARY BARRICADE. BEFORE BARRICADE IS REMOVED THROUGHLY CLEAN AREA AND REMOVE ALL DEBRIS, ONCE BARRICADE IS REMOVED COMPLETE FINAL CLEAN.
D37	CAREFULLY REMOVE EXISTING DOOR COMPONENTS, "H" LIGHTS. AND ALL OTHER OBSTRUCTIONS ALONG BOTTOM EDGE OF EXISTING ROOM EDGE FURRDOWN TO REMAIN RE: DETAIL A1/350. EXTEND EXTERIOR FURRDOWN TO ENCLOSE SPACE AS SHOWN IN NEW REFLECTED CEILING PLAN D3/A101. EXTEND ALL CELING GRID. PATCH, PAINT AND REPAIR AS NEEDED.
D38	PROTECT EXISTING SPEAKER, SPRINKER HEAD AND FIRE ALARM. TEST AND REPAIR TO REMAIN FUNCTIONAL AFTER CONSTRUCTION AS SHOWN IN NEW DESIGN. RE: MEP
D39	EXISTING RETURN AC REGISTER AND LIGHT TO REMAIN. PROTECT DURING CONSTRUCTION. PAINT PATCH AND REPAIR AS NEEDED. RE: MEP.
D41	RELOCATE EXISTING LIGHT. EXTEND ALL POWER FOR LIGHT TO BE FULLY FUNCTIONAL AFTER CONSTRUCITON. CLEAN, PAINT AND REPAIR AS NEEDED. RE:MEP.
D42	RELOCATE EXISTING AC SUPPLY REGISTER. EXTEND ANY DUCTWORK AS NEEDED. CLEAN, PAINT AND REPAIR AS NEEDED. RE:MEP.
D43	RELOCATE EXISTING FIRE SPRIKLER HEAD. EXTEND ITS LINE AS NEEDED TO ALLOW FOR ADDED SPRIKNKLER HEAD INSIDE NEW STORAGE ROOM. CLEAN, PAINT AND REPAIR AS NEEDED. RE:MEP.

C1

SYMBOLS LEGEND

EXISTING PARTITION TO REMAIN
EXISTING PARTITION TO BE REMOVED
EXISTING DOOR TO REMAIN / NEW DOOR
EXISTING DOOR TO BE DEMOLISHED
REMOVED DUPLEX OUTLET
REMOVED QUADRAPLEX OUTLET
REMOVED FLOOR MOUNTED DUPLEX OUTLET
REMOVED COMMUNICATION OUTLET
REMOVED FLOOR MOUNTED PHONE/DATA OUTLET
REMOVED THERMOSTAT

D1

FILE PATH:
HAS FILE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :

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C.O.H. No.	D.O.A No.

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DESIGNER PROJECT No.: 20011.07
PROJECT STATUS: 100% PERMIT, BID CONSTRUCTION

REVISIONS

No.	DESCRIPTION	DATE	BY
	SCHEMATIC DESIGN	10.23.20	
	DESIGN DEVELOPMENT	12.04.20	
	95% OWNER REVIEW	09.24.21	
	100% PERMIT, BID AND CONSTRUCTION	11/08/21	

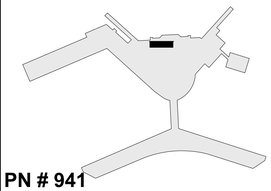
DESIGNER:	Designer
DRAWN BY:	MD
CHECKED BY:	ACM
ISSUE DATE:	11/08/2021
APPROVED BY:	Approver
APPROVAL DATE:	

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/ Approval Category

Approved For Construction

KATHLEEN A. ENGLISH — 12622 — REGISTERED ARCHITECT — STATE OF TEXAS
11/08/2021

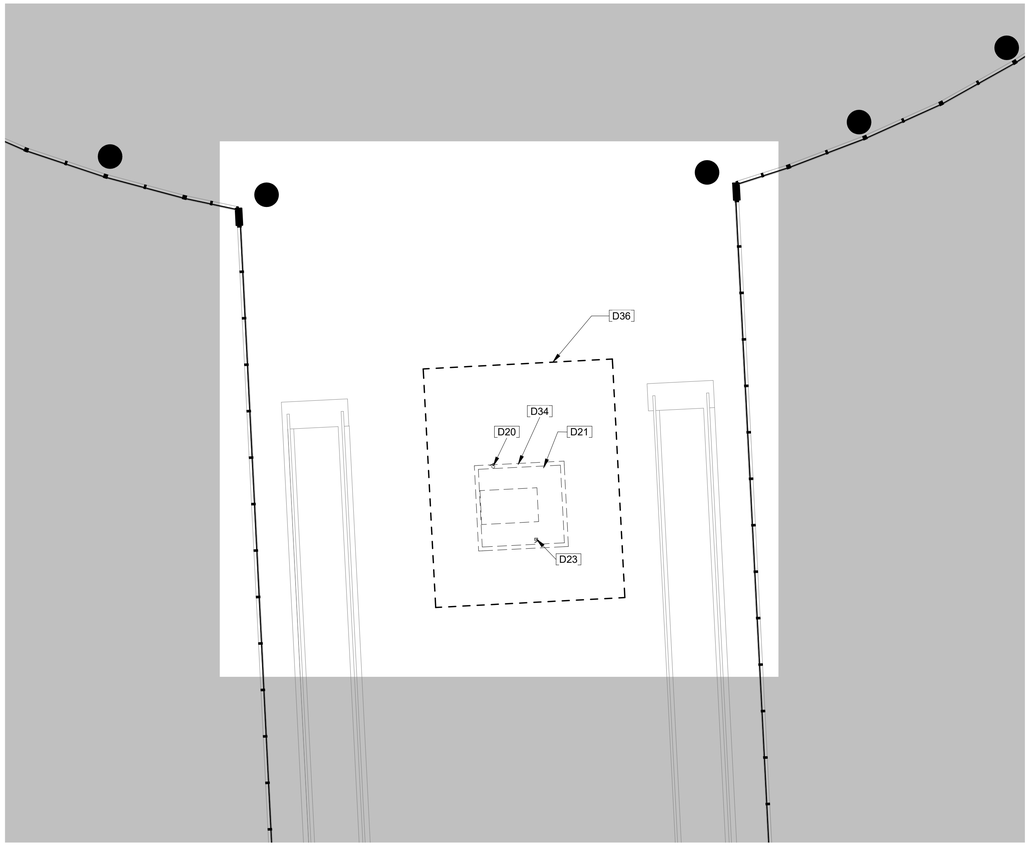


PN # 941

TIP NO. # TIP-21-128-HOU

SHEET NAME:	DEMOLITION PLAN - BAGGAGE CLAIM - AREA A		
SHEET No.	AD101	SCALE:	As indicated

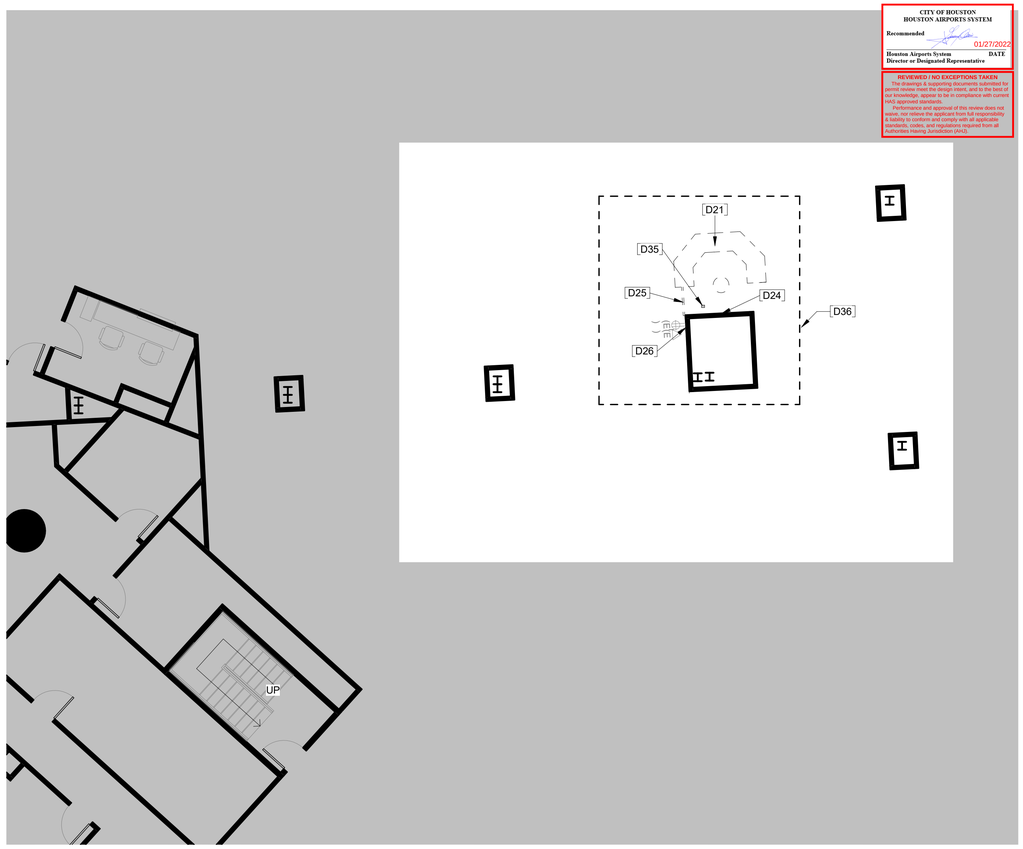
SHEET SIZE: 22"x34" ANSI-D



DEMOLITION PLAN - LEVEL 1 - AREA C

SCAL 1/8" = 1'-0"

B2



DEMOLITION PLAN - LEVEL 1 - AREA B

SCAL 1/8" = 1'-0"

D2

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM

Recommended

01/27/2022

Houston Airports System Director or Designated Representative — DATE

REVIEWED / NO EXCEPTIONS TAKEN

The drawings & supporting documents submitted for permit review meet the design intent, and to the best of our knowledge, appear to be in compliance with current HAS approved standards.

Review and approval of this review does not waive, nor relieve the applicant from all responsibility & liability to conform and comply with all applicable standards, codes, and regulations required from all Authorities Having Jurisdiction (AHJ).

11 THERMOSTATS LOCATED ON WALLS TO BE REMOVED, SHALL BE PROTECTED AND SECURED ABOVE THE CEILING AND TAGGED WITH THE ZONE NUMBER.

12 ALL EXISTING FLOORS MOUNTED OUTLETS DESIGNATED TO BE REMOVED, CONTRACTOR SHALL FILL CORES WITH CONCRETE OR EPOXY AND FIRE SEALED AS PER CODE.

13 CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE REMOVAL AND DISCARDING OF ALL DEMOLITION WASTE.

14 ALL DEMO OR PENETRATIONS THROUGH THE FLOOR MUST HAVE A FLOOR PENETRATING RADAR (GPR) TEST PRIOR TO START OF ANY WORK

GENERAL NOTES

B1

1 REFER TO SHEET G0-01 INDEX FOR GENERAL NOTES, SYMBOL LEGEND AND OTHER IMPORTANT INFORMATION.

2 FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DIRCREPANCIES IN PLAN TO THE ARCHITECT/ ENGINEER BEFORE ANY WORK COMMENCES.

3 ALL DEMOLITION SHALL BE EXECUTED NEATLY AND WITHOUT ANY DAMAGE TO REMAINING CONSTRUCTION INCLUDING ALL EXISTING EQUIPMENT AND FINISHES. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE.

4 ALL REMAINING PARTITIONS AND COLUMN COVERS SHALL BE PATCHED, TAPED AND FLOATED, READY TO RECEIVE PAINT OR WALL COVERING.

5 ALL EXISTING WINDOW COVERINGS SHALL REMAIN, UNLESS NOTED OTHERWISE. PROTECT (RAISE OR REMOVE) DURING DEMOLITION/ CONSTRUCTION.

6 CONTRACTOR SHALL PROTECT ELEVATOR CAB WALLS AND FLOOR AS DIRECTED BY BUILDING MANAGEMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ELEVATOR CABS.

7 EXISTING SECURITY SYSTEM, FIRE HOSE CABINETS, SMOKE AND FIRE ALARM DEVICES, FIRE ALARM SYSTEM, MOTION DETECTORS, SPEAKERS, STROBE LIGHTS, EXIT SIGNS AND ETC. SHALL REMAIN UNLESS NOTED OTHERWISE. CONTRACTOR SHALL PROTECT THESE DEVICES DURING DEMOLITION/ CONSTRUCTION.

8 ALL REMOVED DOORS, FRAMES AND HARDWARE SHALL BE STORED FOR REUSE, UNLESS NOTED OTHERWISE.

9 EXISTING CEILING GRID AND TILES SHALL REMAIN, UNLESS NOTED OTHERWISE.

10 AT AREAS WHERE FLOOR COVER IS TO BE REMOVED, ALL EXISTING GROUT, CARPET PAD, NAILS AND REMNANTS SHALL BE REMOVED. CONTRACTOR SHALL PREPARE SLAB AS REQUIRED TO RECEIVE NEW FINISHES. EXISTING SLAB SHALL BE LEVELED AS NECESSARY THROUGHOUT THE SPACE.

KEYED NOTES

C1

D20	EXISTING POKE-THRU IN FLOOR TO BE REMOVED. REMOVE ALL EXISTING DATA AND ELECTRICAL BACK TO THIER SOURCES AND THEN REMOVE POKE-THRU PARTS AND PIECES IN PREPARATION FOR TERRAZZO INFILL. PROVIDE SAMPLE OF TERRAZZO FOR REVIEW AND ACCEPATANCE PRIOR TO PATCHING THE POKE-THRU HOLE.
D21	CAREFULLY DEMO EXISTING KIOSK COUNTER IN PREPARATION FOR NEW KIOSK.
D23	CORE FLOOR FOR NEW POKE-THRU TO ALIGN WITH NEW INFORMATION DESK AND VIDEO WALL. LAYOUT VIDEO WALL AND MARK EXACT CORE LOCATION, SCAN FLOOR TO ENSURE NO CONFLICTS. COORDINATE LOCATION WITH VIDEO WALL AND INFO DESK SHOP DRAWINGS. CONFIRM DESIGN INTENT LOCATION PRIOR TO CORING FLOOR.
D24	CAREFULLY DEMO EXISTING INFORMATION WALL SIGNAGE.
D25	DEMO POWER/DATA STRIP ANCHORED TO FLOOR
D26	EXISTING DATA/ELECTRICAL ON EXISTING WALL. DEMO DATA BACK TO SOURCE. RE: ELECT. FOR ADDITIONAL INFORMATION
D34	DEMO AND PATCH EXISTING FLOOR
D35	CORE FLOOR FOR NEW POKE-THRU TO ALIGN WITH NEW INFORMATION DESK AND VIDEO WALL. LAYOUT VIDEO WALL AND MARK EXACT CORE LOCATION, SCAN FLOOR TO ENSURE NO CONFLICTS. COORDINATE LOCATION WITH VIDEO WALL AND INFO DESK SHOP DRAWINGS. CONFIRM DESIGN INTENT LOCATION PRIOR TO CORING FLOOR. RE: MEP
D36	PROVIDE AND INSTALL TEMPORARY BARRICADES AND SIGNAGE, COORDINATE WITH HAS REPRESENTATIVE. MATCH AIRPORT STANDARD TEMPORARY BARRICADE. BEFORE BARRICADE IS REMOVED THROUGHLY CLEAN AREA AND REMOVE ALL DEBRIS, ONCE BARRICADE IS REMOVED COMPLETE FINAL CLEAN.

SYMBOLS LEGEND

D1

EXISTING PARTITION TO REMAIN

EXISTING PARTITION TO BE REMOVED

EXISTING DOOR TO REMAIN / NEW DOOR

EXISTING DOOR TO BE DEMOLISHED

REMOVED DUPLEX OUTLET

REMOVED QUADRAPLEX OUTLET

REMOVED FLOOR MOUNTED DUPLEX OUTLET

REMOVED COMMUNICATION OUTLET

REMOVED FLOOR MOUNTED PHONE/DATA OUTLET

REMOVED THERMOSTAT

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DESIGNER PROJECT No.: 20011.07

PROJECT STATUS: 100% PERMIT, BID CONSTRUCTION

REVISIONS

No.	DESCRIPTION	DATE	BY
	SCHEMATIC DESIGN	10.23.20	
	DESIGN DEVELOPMENT	12.04.20	
	95% OWNER REVIEW	09.24.21	
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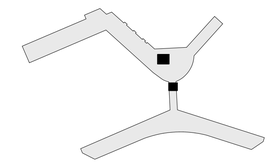
DESIGNER:	Designer
DRAWN BY:	RS
CHECKED BY:	AM
ISSUE DATE:	11/08/2021
APPROVED BY:	Approver
APPROVAL DATE:	

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/ Approval Category
Approved For Construction

REGISTERED ARCHITECT
KATHLEEN A. ENGLISH
12822
STATE OF TEXAS
11/08/2021

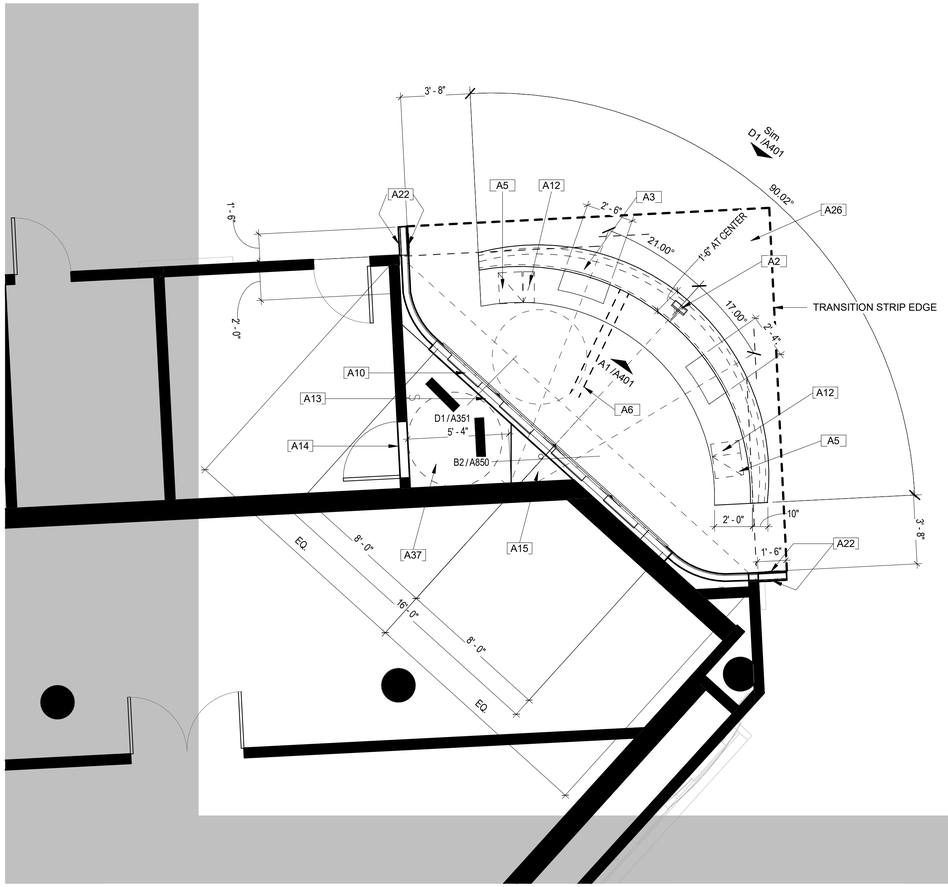


PN # 941

TIP NO. # TIP-21-128-HOU

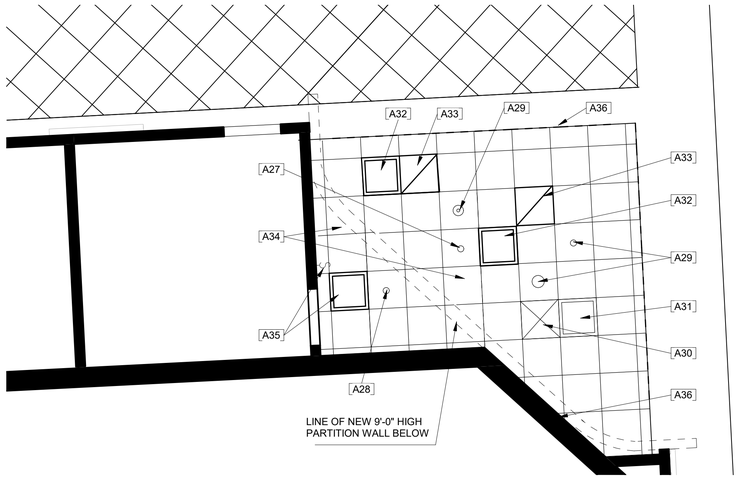
SHEET NAME:	DEMOLITION PLAN - LEVEL 1 - AREA B & C
SHEET No. AD102	SCALE: As indicated

SHEET SIZE: 22"x34" ANSI-D



AREA A-1

ARCH FLOOR PLAN - BAGGAGE CLAIM - AREA A | SCAL 1/4" = 1'-0" | B2

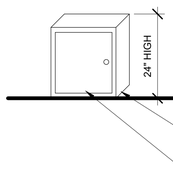


ARCH FLOOR PLAN - BAGGAGE CLAIM - AREA A CEILING PLAN | SCAL 1/4" = 1'-0" | D3

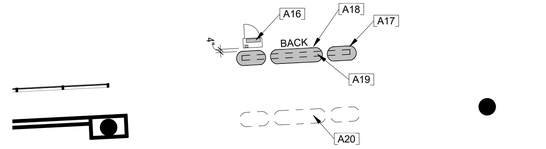
CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM
Recommended
01/27/2022
Houston Airports System Director or Designated Representative — DATE

REVIEWED / NO EXCEPTIONS TAKEN
The drawings & supporting documents submitted for permit review meet the design intent, and to the best of our knowledge, appear to be in compliance with current HAS approved standards.
The performance and approval of this review does not waive the requirement for approval from all reviewers and a liability to conform and comply with all applicable standards, codes, and regulations required from all Authorities Having Jurisdiction (AHJ).

NOTE:
EXISTING COMMUNICATION JUNCTION BOX TO REMAIN. REFER TO KEY NOTE A16
IMAGE FOR REFERENCE ONLY.
REFER TO DEMOLITION AND MEP PLANS FOR ADDITIONAL INFORMATION.



NEW COMMUNICATION JBOX ENCLOSURE | C2



AREA A-2

NORTH

ARCH FLOOR PLAN - BAGGAGE CLAIM - AREA A | SCAL 1/8" = 1'-0" | D2

1. REFER TO SHEET G0-01 INDEX FOR GENERAL NOTES, SYMBOLS LEGEND AND OTHER INPORTANT INFORMATION.
2. FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES IN PLAN TO THE ARCHITECT/ ENGINEER BEFORE ANY WORK COMMENCES.
3. ALL DOORS ARE TYPE (A) WITH HARDWARE TYPE (0). UNLESS NOTED OTHERWISE. NEW DOORS AND FRAMES SHALL BE BUILDING STANDARD UNLESS NOTED OTHERWISE. NEW FRAMES SHALL BE BUILDING STANDARD UNLESS NOTED OTHERWISE. NEW FRAMES SHALL BE FINISHED TO MATCH EXISTING FRAMES ON FLOOR.
4. REFER TO G003 FOR TYPICAL MOUNTING HEIGHTS.
5. ALL NEW DOOR HARDWARE SHALL BE A.D.A. AND T.A.S. COMPLIANT.
6. ALL WOOD BLOCKING AND COMPONENTS WITHIN PARTITIONS AND CEILING PLENUM SHALL BE FIRE TREATED.
7. "ALIGN" MEANS THAT SIMILAR COMPONENTS OF CONSTRUCTION SUCH AS WALLS, JAMBS, ETC. SHALL ALIGN ACROSS VOIDS OR ADJACENT TO EXISTING CONSTRUCTION.
8. ALL PARTITIONS SHALL BE PARTITION TYPE "A" UNLESS NOTHED OTHERWISE. GYPSUM BOARD ON ALL PLUMBING AND WET WALLS SHALL BE WATER RESISTANT GYPSUM BOARD.
9. ALL DOORS ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
10. PATCH CARPET, AS REQUIRED, TO MATCH EXISTING.
11. IF POST-INSTALLED ANCHORS OR PENETRATIONS ARE TO BE INSTALLED/ATTACHED TO THE EXISTING FLOOR, WALL, OR CEILING, A NON-DESTRUCTIVE TEST SUCH AS GPR OR EQUIVALENT SHALL BE PERFORMED TO IDENTIFY EXISTING OBJECTS IN THEM SUCH AS UTILITIES AND/OR REINFORCEMENT BARS. ALL TEST RESULTS TO BE SUBMITTED TO ARCHITECT AND OWNER PRIOR TO ANY WORK.

GENERAL NOTES

A2	SURFACE MOUNTED TABLET RE: IT AND MOUNTING ARM RE: ARCH SPECIFICATIONS . PROVIDED AND INSTALLED BY CONTRACTOR. COORDINATE INSTALLATION, POWER AND DATA REQUIREMENTS.
A3	SOLID SURFACE COUNTER.
A5	BUILT-IN BOX/FILE PEDESTAL DRAWER UNIT. PROVIDED AND INSTALLED BY CONTRACTOR RE: ARCH. SPECIFICATIONS AND DETAIL B1/A850.
A6	PATCH AND REPAIR CONCRETE TRENCH. LEVEL FLOOR TO RECEIVE NEW CARPET
A10	REFER TO WALL SECTIONS. RE: B1/ A350 AND C1/ A351.
A12	UNDER CABINET CPU HOLDER. PROVIDED AND INSTALLED BY CONTRACTOR. RE: ARCH. SPEFICIFATIONS AND DETAIL D1/850.
A13	5/8" GYP. BD. ON BACK OF THIS WALL ONLY. PAINTED
A14	PROVIDE AND INSTALL NEW DOOR FRAME, DOOR AND HARDWARE. STORAGE LOCK TO ALIGN WITH AIRPORT IT CLOSETS
A15	PROVIDE MILLWORK SHELF AT 30" HIGH. PLASTIC LAMINATE FINISH. ATTACH TO WALL STUDS. RE: B2/A850.
A16	EXISTING COMMUNICATION JUNCTION BOX TO REMAIN. CONTRACTOR TO WRAP WITH METAL CLADDING OVER 3/4" PLYWOOD SUBSTRATE TO MATCH VIDEO WALLS. PROVIDE SAME SIDE CLADDING TO EXISTING ACCESS DOOR AS TO REMAIN OPERATIONAL. BUILD BOX TO BE 24" HIGH.
A17	EXISTING JD DECAUX DISPLAYS TO BE CAREFULLY RELOCATED TO BE ADJACENT TO EXISTING PANEL TO REMAIN.
A18	JC DECAUX BACK NO DISPLAY. JC DECAUX REPRESENTATIVE TO PROVIDE TOUCH UP PAINT AND CORES FOR OLD ELECTRICAL CONNECTIONS. CONTRACTOR TO COORDINATE
A19	PROVIDE CONDUIT IN TRENCH FOR DATA / ELEC. TO EACH SEPARATE JC DECAUX DISPLAY. RE: MEP /IT. PATCH FLOOR AS REQUIRED. COORDINATE WITH JC DECAUX REPRESENTATIVE
A20	APPROXIMATE AREA WHERE JC DECAUX WAS REMOVED. PATCH REPAIR EXISTING TERRAZZO. MATCH EXISTING COLOR AND PATTERN
A22	(2 SIDED) LED BACKLIT "INFORMATION" TEXT FONT "CLEARVIEW-MEDIUM" 9" HIGH LASER CUT INTO STEEL CLADDING, ACRYLIC SHEET BACKING RE:A350

KEYED NOTES

A26	EXTENT OF NEW CARPET RE: SPEC. FLOAT AND LEVEL EXISTING CONCRETE WHERE PREVIOUS CARPET WAS REMOVED. INSTALL NEW OVER LEVELED CONCRETE AND OVERLAP OVER EXISTING TERRAZO. ENSURE FLOOR IS FLAT WITH NO RAISED EDGES. PROVIDE CARPET TO TERRAZZO TRANSITION STRIP.
A27	RELOCATED EXISTING FIRE SPRIKLER HEAD. CLEAN, PAINT AND REPAIR AS NEEDED. RE:MEP.
A28	NEW FIRE SPRIKLER HEAD. RE:MEP.
A29	EXISTING SPEAKER, SPRINKER HEAD AND FIRE ALARM. TEST AND REPAIR TO REMAIN FUNCTIONAL AFTER CONSTRUCTION AS SHOWN IN NEW DESIGN. RE: MEP
A30	EXISTING RETURN AC REGISTER AND LIGHT TO REMAIN. PROTECT DURING CONSTRUCTION. PAINT PATCH AND REPAIR AS NEEDED. RE: MEP.
A31	EXISTING LIGHT TO REMAIN. PROTECT DURING CONSTRUCTION. RE:MEP.
A32	RELOCATED EXISTING LIGHT. EXTEND ALL POWER FOR LIGHT TO BE FULLY FUNCTIONAL AFTER CONSTRUCITON. CLEAN, PAINT AND REPAIR AS NEEDED. RE:MEP.
A33	RELOCATED EXISTING AC SUPPLY REGISTER. EXTEND ANY DUCTWORK AS NEEDED. CLEAN, PAINT AND REPAIR AS NEEDED. RE:MEP.
A34	EXISTING CEILING GRID AND TILES TO REMAIN. CLEAN, PAINT AND REPAIR AS NEEDED. REPLACE ANY DAMAGED TILES AS REQUIRED. RE:MEP.
A35	NEW LIGHT TO MATCH EXISTING. PROVIDE NEW SWITCHING. RE:MEP.
A36	ROOM EDGE EXTERIOR FURRDOWN ABOVE DOORS TO REMAIN. REMOVE ALL OTHERS. PATCH, PAINT AND REPAIR AS NEEDED.
A37	FLOAT AND LEVEL EXISTING CONCRETE WHERE PREVIOUS CARPET WAS REMOVED. INSTALL NEW CARPET AND NEW BASEBOARD AS SPECIFIED. ENSURE FLOOR IS FLAT WITH NO RAISED EDGES.

SYMBOLS LEGEND

- EXISTING PARTITION TO REMAIN
- NEW PARTITION
- EXISTING DOOR TO REMAIN / NEW DOOR
- 101 — DOOR NUMBER TAG
- 1i — PARTITION TYPE
- 1t — WINDOW TYPE
- 1 /A101 Ref — INTERIOR ELEVATION
- X' - X" — DIMENSION LINE
- 1/A101 — INTERIOR SECTION
- 1/A101 — DETAIL CALL OUT

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DESIGNER PROJECT No.: 20011.07
PROJECT STATUS: 100% PERMIT, BID CONSTRUCTION

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	DESIGN DEVELOPMENT	12.04.20	
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A	ADDENDUM A	01-11-2022	

DESIGNER:	Designer
DRAWN BY:	MD
CHECKED BY:	ACM
ISSUE DATE:	01/11/2022
APPROVED BY:	Approver
APPROVAL DATE:	

DIRECTOR
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REGISTERED ARCHITECT
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12622
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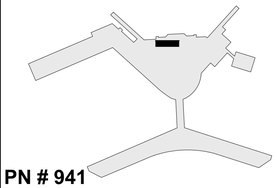
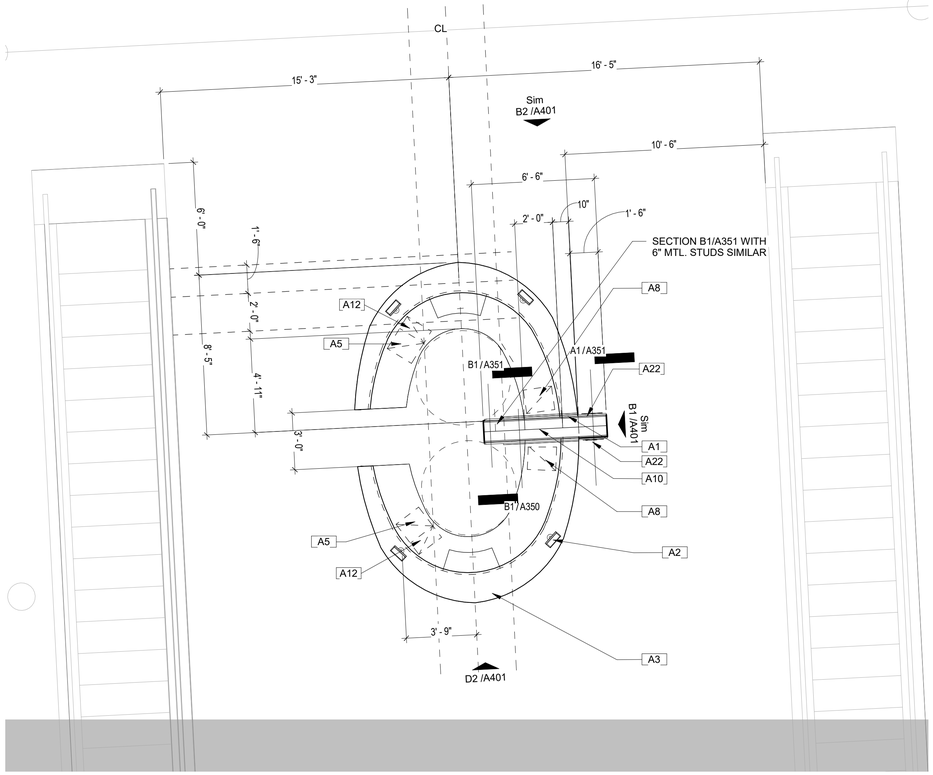


PN # 941

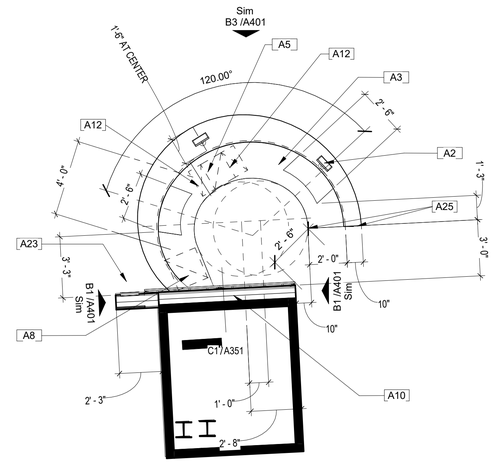
TIP NO. # TIP-21-128-HOU

SHEET NAME:	ARCHITECTURAL FLOOR PLAN - BAGGAGE CLAIM - AREA A
SHEET No.	A101
SCALE:	As indicated

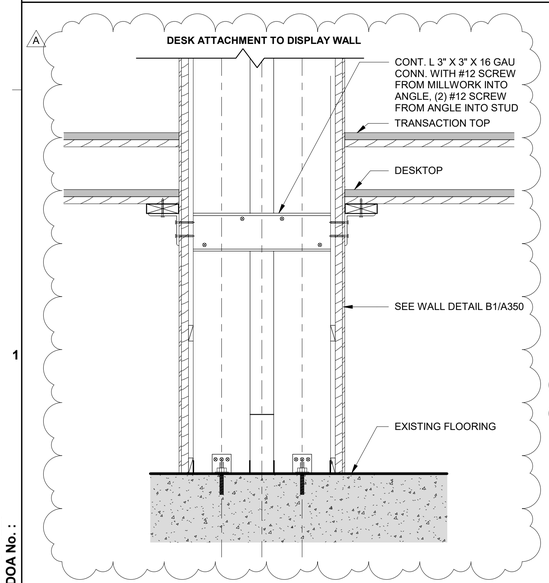
SHEET SIZE: 22"x34" ANSI-D



ARCHITECTURAL FLOOR PLAN - LEVEL 1 - AREA C SCAL 1/4" = 1'-0" B2



ARCHITECTURAL FLOOR PLAN - LEVEL 1 - AREA B SCAL 1/4" = 1'-0" D2



MILLWORK DESK DETAIL SCAL 1 1/2" = 1'-0" A1

1 REFER TO SHEET G0-01 INDEX FOR GENERAL NOTES, SYMBOLS LEGEND AND OTHER INPORTANT INFORMATION.

2 FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES IN PLAN TO THE ARCHITECT/ ENGINEER BEFORE ANY WORK COMMENCES.

3 ALL DOORS ARE TYPE (A) WITH HARDWARE TYPE (0). UNLESS NOTED OTHERWISE. NEW DOORS AND FRAMES SHALL BE BUILDING STANDARD UNLESS NOTED OTHERWISE. NEW FRAMES SHALL BE BUILDING STANDARD UNLESS NOTED OTHERWISE. NEW FRAMES SHALL BE FINISHED TO MATCH EXISTING FRAMES ON FLOOR.

4 REFER TO G003 FOR TYPICAL MOUNTING HEIGHTS.

5 ALL NEW DOOR HARDWARE SHALL BE A.D.A. AND T.A.S. COMPLIANT.

6 ALL WOOD BLOCKING AND COMPONENTS WITHIN PARTITIONS AND CEILING PLENUM SHALL BE FIRE TREATED.

7 "ALIGN" MEANS THAT SIMILAR COMPONENTS OF CONSTRUCTION SUCH AS WALLS, JAMBS, ETC. SHALL ALIGN ACROSS VOIDS OR ADJACENT TO EXISTING CONSTRUCTION.

8 ALL PARTITIONS SHALL BE PARTITION TYPE "A" UNLESS NOTHED OTHERWISE, GYPSUM BOARD ON ALL PLUMBING AND WET WALLS SHALL BE WATER RESISTANT GYPSUM BOARD.

9 ALL DOORS ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

10 PATCH CARPET, AS REQUIRED, TO MATCH EXISTING.

11 IF POST-INSTALLED ANCHORS OR PENETRATIONS ARE TO BE INSTALLED/ATTACHED TO THE EXISTING FLOOR, WALL, OR CEILING, A NON-DESTRUCTIVE TEST SUCH AS GPR OR EQUIVALENT SHALL BE PERFORMED TO IDENTIFY EXISTING OBJECTS IN THEM SUCH AS UTILITIES AND/OR REINFORCEMENT BARS. ALL TEST RESULTS TO BE SUBMITTED TO ARCHITECT AND OWNER PRIOR TO ANY WORK.

GENERAL NOTES B1

A1	NEC LCD DISPLAY VIDEO WALL. DISPLAYS PROVIDED AND INSTALLED BY CONTRACTOR. RE: ELEVATION B2/ A401 AND B2/ A402 AND A2/ T107.
A2	SURFACE MOUNTED TABLET RE: IT AND MOUNTING ARM RE: ARCH SPECIFICATIONS . PROVIDED AND INSTALLED BY CONTRACTOR. COORDINATE INSTALLATION, POWER AND DATA REQUIREMENTS.
A3	SOLID SURFACE COUNTER.
A5	BUILT-IN BOX/FILE PEDESTAL DRAWER UNIT. PROVIDED AND INSTALLED BY CONTRACTOR RE: ARCH. SPECIFICATIONS AND DETAIL B1/A850.
A8	UNDER COUNTER LOCKABLE COMPUTER CABINET. PROVIDED AND INSTALLED BY CONTRACTOR RE: ARCH. SPECIFICATIONS
A10	REFER TO WALL SECTIONS. RE: B1/ A350 AND C1/ A351.
A12	UNDER CABINET CPU HOLDER. PROVIDED AND INSTALLED BY CONTRACTOR. RE: ARCH. SPEFICIFATIONS AND DETAIL D1/850.
A22	(2 SIDED) LED BACKLIT "INFORMATION" TEXT FONT "CLEARVIEW-MEDIUM" 9" HIGH LASER CUT INTO STEEL CLADDING, ACRYLIC SHEET BACKING RE:A350
A23	(1 SIDED) LED BACKLIT "INFORMATION" TEXT FONT "CLEARVIEW-MEDIUM" 9" HIGH LASER CUT INTO STEEL CLADDING, ACRYLIC SHEET BACKING RE:A350
A25	CORNER GUARD

KEYED NOTES C1

NOTE:
-REFER TO SHEET AE101 FOR ADDITIONAL INFORMATION ON EQUIPMENT AND FURNITURE PROVIDED AND INSTALLED BY CONTRACTOR.

AREA "B" LOCATION TO BE UTILIZED AS MOCKUP. NO OTHER AREAS TO BE PRODUCED UNTIL THIS MOCKUP IS APPROVED.

-CONTRACTOR TO PROVIDE A FULL MOCKUP OF ALL COUNTER COMPONETS INCLUDING BUT NOT LIMITED TO: STAINLESS STEEL ACCENT REVEAL, CORIAN SURFACE, 3FORM LIGHT DIFUSSING PANELS, LED INTEGRATED LIGTH, SOLID SURFACE COUNTERTOP. MOCKUP SIZE AND LOCATION AT CONTRACTORS DISCRETION. IF MOCKUP IS APPROVED, MOCKUP BE USED AS FINAL PRODUCT.

-CONTRACTOR TO PROVIDE A FULL MOCKUP OF ALL VIDEO WALL COMPONETS INCLUDING BUT NOT LIMITED TO: PURE-FREEFORM METAL PANEL CLADDING, LED BACKLIT ACRYLIC SHEET, LED LIGHTS, STEEL CLADDING, AND REVEAL. MOCKUP SIZE AND LOCATION AT CONTRACTORS DISCRETION. IF MOCKUP IS APPROVED, MOCKUP BE USED AS FINAL PRODUCT.

SYMBOLS LEGEND D1

- EXISTING PARTITION TO REMAIN
- NEW PARTITION
- EXISTING DOOR TO REMAIN / NEW DOOR
- 101 DOOR NUMBER TAG
- 1i PARTITION TYPE
- 1t WINDOW TYPE
- 1 /A101 Ref INTERIOR ELEVATION
- X' - X" DIMENSION LINE
- INTERIOR SECTION 1/A101
- 1/A101 DETAIL CALL OUT

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM
Recommended
01/27/2022
Houston Airports System Director or Designated Representative DATE

REVIEWED / NO EXCEPTIONS TAKEN
The drawings & supporting documents submitted for permit review meet the design intent, and to the best of our knowledge, appear to be in compliance with current HAS approved standards.
The performance and approval of this review does not waive the necessity to obtain approval from all reviewers and is liability to conform and comply with all applicable standards, codes, and regulations required from all Authorities Having Jurisdiction (AHJ).

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HOUSTON, TEXAS 77061

HOU INFORMATION COUNTER RENOVATION

C.I.P. No.	A.I.P. No.
C.O.H. No.	D.O.A No.

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DESIGNER PROJECT No.: 20011.07

PROJECT STATUS: 100% PERMIT, BID CONSTRUCTION

REVISIONS

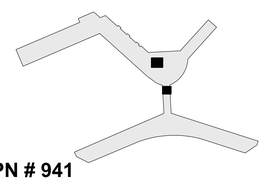
No.	DESCRIPTION	DATE	BY
	SCHEMATIC DESIGN	10.23.20	
	DESIGN DEVELOPMENT	12.04.20	
	95% OWNER REVIEW	09.24.21	
	100% PERMIT, BID AND CONSTRUCTION	11/08/21	
A	ADDENDUM A	01-11-2022	

DESIGNER:	Designer
DRAWN BY:	MD
CHECKED BY:	ACM
ISSUE DATE:	01/11/2022
APPROVED BY:	Approver
APPROVAL DATE:	

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/ Approval Category
Approved For Construction

REGISTERED ARCHITECT
KATHLEEN A. ENGLISH
12622
STATE OF TEXAS
01/11/2022



PN # 941

TIP NO. # TIP-21-128-HOU

SHEET NAME:	ARCHITECTURAL FLOOR PLAN - LEVEL 1 - AREAS B AND C
SHEET No.	A102
SCALE:	As indicated

SHEET SIZE: 22"x34" ANSI-D

FILE PATH:
HAS FILE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM
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01/27/2022
Houston Airports System Director or Designated Representative — DATE

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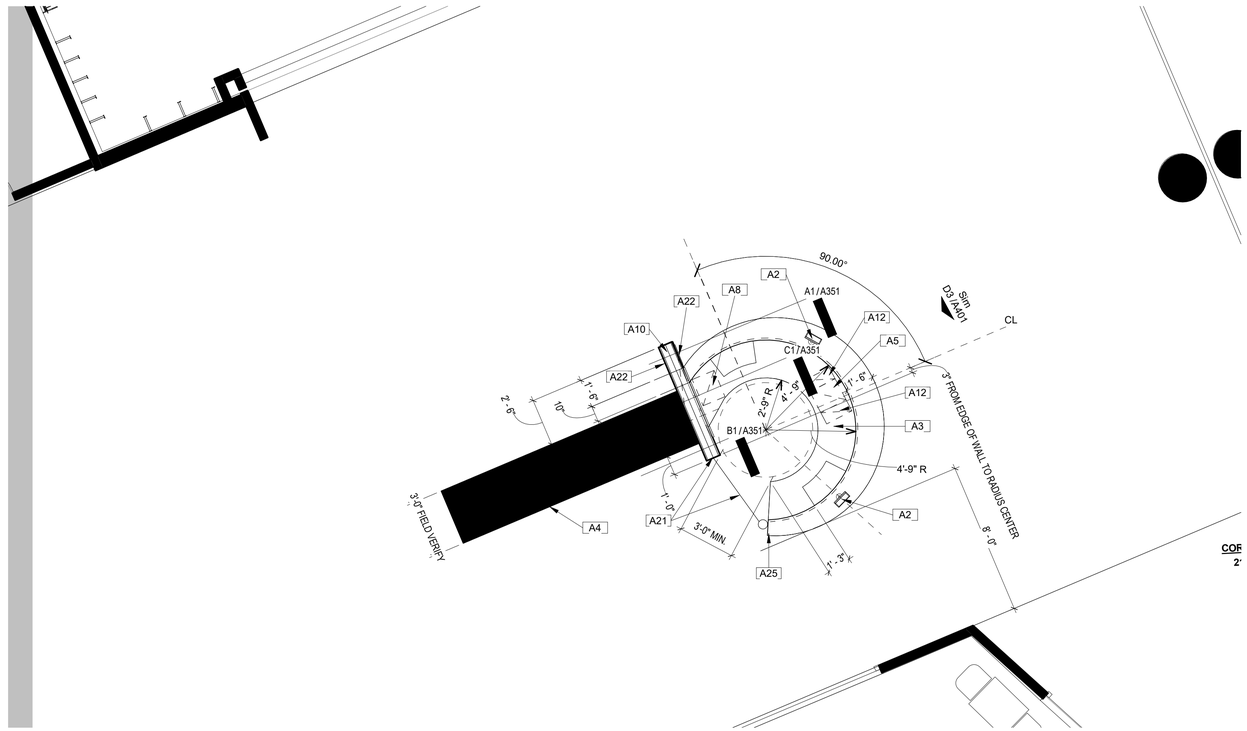

NORTH

ARCHITECTURAL FLOOR PLAN - LEVEL 1 - AREA D | SCAL 1/4" = 1'-0" | D2

FILE PATH:
HAS FILE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :

GENERAL NOTES (B1)

1 REFER TO SHEET G0-01 INDEX FOR GENERAL NOTES, SYMBOLS LEGEND AND OTHER INPORTANT INFORMATION.

2 FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES IN PLAN TO THE ARCHITECT/ ENGINEER BEFORE ANY WORK COMMENCES.

3 ALL DOORS ARE TYPE (A) WITH HARDWARE TYPE (0). UNLESS NOTED OTHERWISE. NEW DOORS AND FRAMES SHALL BE BUILDING STANDARD UNLESS NOTED OTHERWISE. NEW FRAMES SHALL BE BUILDING STANDARD UNLESS NOTED OTHERWISE. NEW FRAMES SHALL BE FINISHED TO MATCH EXISTING FRAMES ON FLOOR.

4 REFER TO G003 FOR TYPICAL MOUNTING HEIGHTS.

5 ALL NEW DOOR HARDWARE SHALL BE A.D.A. AND T.A.S. COMPLIANT.

6 ALL WOOD BLOCKING AND COMPONENTS WITHIN PARTITIONS AND CEILING PLENUM SHALL BE FIRE TREATED.

7 "ALIGN" MEANS THAT SIMILAR COMPONENTS OF CONSTRUCTION SUCH AS WALLS, JAMBS, ETC. SHALL ALIGN ACROSS VOIDS OR ADJACENT TO EXISTING CONSTRUCTION.

8 ALL PARTITIONS SHALL BE PARTITION TYPE "A" UNLESS NOTHED OTHERWISE. GYPSUM BOARD ON ALL PLUMBING AND WET WALLS SHALL BE WATER RESISTANT GYPSUM BOARD.

9 ALL DOORS ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

10 PATCH CARPET, AS REQUIRED, TO MATCH EXISTING.

A

11 IF POST-INSTALLED ANCHORS OR PENETRATIONS ARE TO BE INSTALLED/ATTACHED TO THE EXISTING FLOOR, WALL, OR CEILING, A NON-DESTRUCTIVE TEST SUCH AS GPR OR EQUIVALENT SHALL BE PERFORMED TO IDENTIFY EXISTING OBJECTS IN THEM SUCH AS UTILITIES AND/OR REINFORCEMENT BARS. ALL TEST RESULTS TO BE SUBMITTED TO ARCHITECT AND OWNER PRIOR TO ANY WORK.

KEYED NOTES (C1)

A2	SURFACE MOUNTED TABLET RE: IT AND MOUNTING ARM RE: ARCH SPECIFICATIONS . PROVIDED AND INSTALLED BY CONTRACTOR. COORDINATE INSTALLATION, POWER AND DATA REQUIREMENTS.
A3	SOLID SURFACE COUNTER.
A4	EXISTING FLIGHT INFORMATION DISPLAY TO REMAIN & BE PROTECTED DURING CONSTRUCTION.
A5	BUILT-IN BOX/FILE PEDESTAL DRAWER UNIT. PROVIDED AND INSTALLED BY CONTRACTOR RE: ARCH. SPECIFICATIONS AND DETAIL B1/A850.
A8	UNDER COUNTER LOCKABLE COMPUTER CABINET. PROVIDED AND INSTALLED BY CONTRACTOR RE: ARCH. SPECIFICATIONS
A10	REFER TO WALL SECTIONS. RE: B1/ A350 AND C1/ A351.
A12	UNDER CABINET CPU HOLDER. PROVIDED AND INSTALLED BY CONTRACTOR. RE: ARCH. SPEFICIFATIONS AND DETAIL D1/850.
A21	TYPICAL VISIOTRON AIRLINES MOVABLE STANTION WITH RETRACTABLE BELT PROVIDED BY HAS. CONTRACTOR TO FIX RETRACTABLE BELT COMPONENT TO WALL WHERE INDICATED FOLLOWING MANUFACTURER'S RECOMMENDATIONS
A22	(2 SIDED) LED BACKLIT "INFORMATION" TEXT FONT "CLEARVIEW-MEDIUM" 9" HIGH LASER CUT INTO STEEL CLADDING, ACRYLIC SHEET BACKING RE:A350
A25	CORNER GUARD

NOTE:
-REFER TO SHEET AE101 FOR ADDITIONAL INFORMATION ON EQUIPMENT AND FURNITURE PROVIDED AND INSTALLED BY CONTRACTOR.

SYMBOLS LEGEND (D1)

- EXISTING PARTITION TO REMAIN
- NEW PARTITION
- EXISTING DOOR TO REMAIN / NEW DOOR
- 101 — DOOR NUMBER TAG
- 1i — PARTITION TYPE
- 1t — WINDOW TYPE
- 1 /A101 Ref — INTERIOR ELEVATION
- X' - X" — DIMENSION LINE
- 1 /A101 — INTERIOR SECTION
- 1/A101 — DETAIL CALL OUT

- A103 - A

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HOUSTON, TEXAS
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713.850.0400T
713.850.0411F
www.english-architects.com

DESIGNER PROJECT No.: 20011.07

PROJECT STATUS: 100% PERMIT, BID CONSTRUCTION

REVISIONS

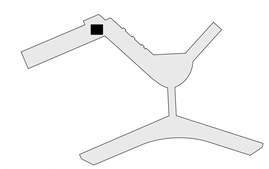
No.	DESCRIPTION	DATE	BY
	SCHEMATIC DESIGN	10.23.20	
	DESIGN DEVELOPMENT	12.04.20	
	95% OWNER REVIEW	09.24.21	
	100% PERMIT, BID AND CONSTRUCTION	11/08/21	
A	ADDENDUM A	01-11-2022	

DESIGNER:	Designer
DRAWN BY:	MD
CHECKED BY:	ACM
ISSUE DATE:	01/11/2022
APPROVED BY:	Approver
APPROVAL DATE:	

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/ Approval Category
Approved For Construction

REGISTERED ARCHITECT — KATHLEEN A ENGLISH — 12622 — STATE OF TEXAS
01/11/2022



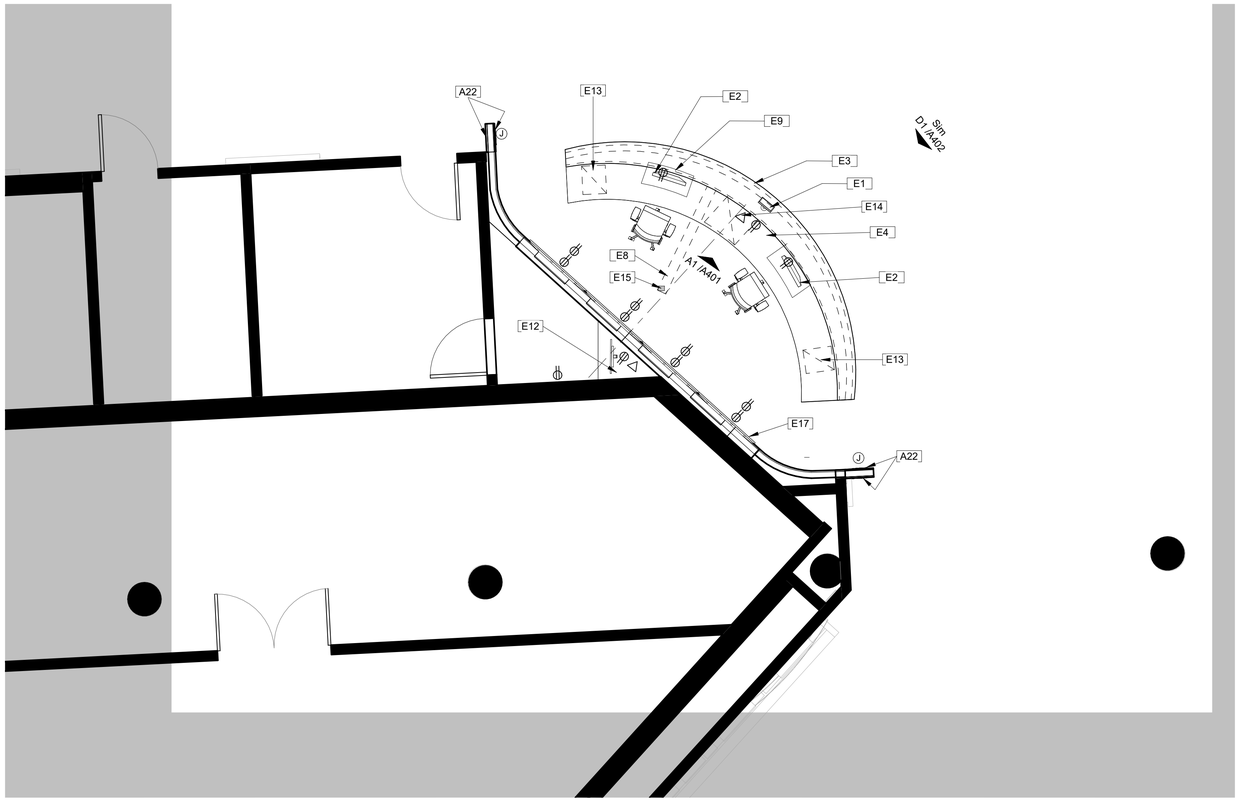
PN # 941

TIP NO. # TIP-21-128-HOU

SHEET NAME: ARCHITECTURAL FLOOR PLAN - LEVEL 1 - AREA D

SHEET No. A103 | **SCALE:** As indicated

SHEET SIZE: 22"x34" ANSI-D



CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM
Recommended
01/27/2022
Houston Airports System Director or Designated Representative — DATE

REVIEWED / NO EXCEPTIONS TAKEN
The drawings & supporting documents submitted for permit review meet the design intent, and to the best of our knowledge, appear to be in compliance with current HAS approved standards.
The performance and approval of this review does not waive the necessity for obtaining approval from all reviewing agencies & liability to conform and comply with all applicable standards, codes, and regulations required from all Authorities Having Jurisdiction (AHJ).

DATA, ELEC., EQUIPT. PLAN - BAGGAGE CLAIM - AREA A

SCAL 1/4" = 1'-0" D2

GENERAL NOTES B1

1 ALL ELECTRICAL OUTLETS, SWITCHES OR OTHER ELECTRICAL DEVICES SHALL BE WHITE WITH WHITE FACE PLATES, WITH THE FOLLOWING EXCEPTIONS:

ALL DEDICATED OUTLETS SHALL HAVE AN ORANGE OUTLET WITH WHITE FACE PLATE
ALL DEDICATED CIRCUITS SHALL HAVE A GREY OUTLET WITH WHITE FACE PLATE
ALL EMERGENCY POWER/UPS OUTLETS SHALL HAVE A RED OUTLET WITH A WHITE FACE PLATE.

a- ALL DEDICATED OUTLETS SHALL HAVE AN ORANGE OUTLET WITH WHITE FACE PLATE
b- ALL DEDICATED CIRCUITS SHALL HAVE A GREY OUTLET WITH WHITE FACE PLATE
c- ALL EMERGENCY POWER/UPS OUTLETS SHALL HAVE A RED OUTLET WITH A WHITE FACE PLATE.

2 ALL GANGED OUTLETS, SWITCHES OR OTHER ELECTRICAL DEVICES SHALL RECEIVE A COMMON FACE PLATE.

3 RELOCATE ALL EXISTING OUTLETS WHICH ARE NOT CURRENTLY MOUNTED AT THE SPECIFIED HEIGHT TO THE REQUIRED ADA/TAS MOUNTING HEIGHT. PATCH AND PAINT PARTITION AT ABANDONED OUTLETS.

4 CONTRACTOR SHALL PROVIDE PULL STRINGS FOR DATA AND VOICE CABLING WHERE INDICATED ON LOCATION PLAN. DATA AND VOICE CABLING, COVER PLATES AND TERMINATION SHALL BE PROVIDED BY VOICE / DATA CONTRACTOR. CONTRACTOR SHALL COORDINATE DATA AND VOICE INSTALLATIONS WITH TENANT'S REPRESENTATIVE.

5 CONTRACTOR SHALL COORDINATE INSTALLATION OF FURNITURE SYSTEM WITH THE FURNITURE SYSTEM INSTALLER. COORDINATE LOCATION OF ALL JUNCTION BOXES. ALL HARDWIRE CONNECTIONS TO FURNITURE SYSTEM SHALL BE DONE BY GENERAL CONTRACTOR'S ELECTRICAL SUB-CONTRACTOR.

6 OUTLETS SHOWN ON THE ELECTRICAL AND TELEPHONE LOCATION PLAN ARE THE ARCHITECT'S UNDERSTANDING OF GENERAL PURPOSE AND SPECIFIC USE REQUIREMENTS. ADDITIONAL OUTLETS, JUNCTION BOXES OR OTHER ELECTRICAL DEVICES MAY BE SHOWN ON THE ELECTRICAL PLANS. CONTRACTOR SHALL BASE THEIR BID ON THE ARCHITECTURAL AND MEP PLANS COMBINED.

7 RE: B1/AE101 FOR TYPICAL MOUNTING HEIGHTS OF ALL ELECTRICAL TELEPHONE AND/OR DATA RECEPTACLES, THERMOSTATS AND SWITCHES UNLESS NOTED OTHERWISE.

8 ALL ELECTRICAL, TELEPHONE AND/OR DATA OUTLETS EXPOSED ABOVE COUNTERTOP HEIGHT SHALL BE MOUNTED HORIZONTALLY, UNLESS NOTED OTHERWISE.

9 CONFIRM EXACT LOCATION OF ALL CORE DRILLS (IF ANY) WITH ARCHITECT PRIOR TO PERFORMING WORK.

10 PROVIDE AND INSTALL NEW OUTLETS AND COVER PLATES AT EXISTING RECEPTACLES AS NECESSARY THROUGHOUT TO MATCH SPECIFIED COLOR. REPLACE BROKEN, DAMAGED OR DISCOLORED COVER PLATES.

11 FIRE PROOF AND SEAL AS REQUIRED BY CODE ALL NEW AND ABANDONED PENETRATIONS.

12 ALL OUTLETS NOT KEY NOTED ON THE PLAN ARE FOR GENERAL PURPOSE.

13 ANY FLOOR PENETRATION WILL NEED TO BE X-RAY SCANNED WITH A GPR REPORT TO IDENTIFY EXISTING REINFORCING BARS AND/OR UTILITIES THROUGHOUT THE EXISTING SLAB/FLOOR PRIOR TO DRILLING/CORING FOR ANY PENETRATIONS, THIS INCLUDES BUT NOT LIMITED TO FLOOR ANCHORS, CORES, ELECTRICAL POKE-THRUS, ETC.

14 FAST CHARGE USB AT OUTLETS ON DESK TOP.

15 SALVAGE ALL OLD TECHNOLOGY AT ALL LOCATIONS. PROVIDE BACK TO HAS IT.

16 ALL VIDEO EQUIPMENT, IPADS AND DESK COMPUTERS PROVIDED AND INSTALLED BY CONTRACTOR.

KEYED NOTES C1

A22	(2 SIDED) LED BACKLIT "INFORMATION" TEXT FONT "CLEARVIEW-MEDIUM" 9" HIGH LASER CUT INTO STEEL CLADDING, ACRYLIC SHEET BACKING RE:A350
E1	SURFACE MOUNTED 10.5" SCREEN TABLET AND HOLDER SPECIFIED. PROVIDED AND INSTALLED BY CONTRACTOR. COORDINATE INSTALLATION AND POWER AND DATA REQUIREMENTS.
E2	24" FLAT SCREEN MONITORS AND PCU BY CONTRACTOR. COORDINATE POWER AND DATA REQUIREMENTS.
E3	CONTINUOUS LED STRIP ACCENT LIGHTING.
E4	OWNER PROVIDED PHONE VOICE OVER IP TO NEAREST COMPUTER. COORDINATE WITH HAS IT.
E8	NEW FLOOR CORE
E9	PROVIDE BEHIND COUNTER CONDUIT FOR ALL ELECTRICAL AND DATA. RE: MEP AND IT DRAWINGS.
E12	VIDEO WALL CONTROL TOWER ON SHELF. RE: DETAIL B2/ A850.
E13	PROVIDE UNDER COUNTER CPU HOLDER LOCKABLE CABINET AS SPECIFIED RE:D1/A850. BASIS OF DESIGN: 3M ADJUSTABLE UNDER DESK CPU HOLDER WITH 360 DGREE SWIVEL CS200MD WITH TOP MOUNTING AND LOCKING CAPABILITY
E14	DATA FOR GENERAL USE COMPUTER
E15	EXISTING DATA/POWER BOX
E17	VIDEO WALL MODEL #UN552S/ SHARP NEC

SYMBOLS LEGEND D1

- (E) EXISTING FIXTURE
- LIGHT SWITCH
- RECESSED WALL WASHER
- DUPLEX OUTLET
- QUADRAPLEX OUTLET
- JUNCTION BOX
- BP BASE FEED (WHIP)
- UNDERCABINET FLUORESCENT LIGHTING
- FLOOR MOUNTED POKE-THRU DEVICE FOR POWER/DATA CABLE MANAGEMENT
- EXISTING FLOOR MOUNTED DUPLEX OUTLET
- DATA PULL STRING
- TELEPHONE PULL STRING
- TV PULL STRING
- FLOOR MOUNTED PHONE/DATA OUTLET
- THERMOSTAT
- PP POWER POLE
- D ELECTRIC DOOR CLOSER

FILE PATH:
HAS FILE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :

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DESIGNER PROJECT No.:	20011.07
PROJECT STATUS:	100% PERMIT, BID CONSTRUCTION

REVISIONS

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	SCHEMATIC DESIGN	10.23.20	
	DESIGN DEVELOPMENT	12.04.20	
	95% OWNER REVIEW	09.24.21	
	100% PERMIT, BID AND CONSTRUCTION	11/08/21	

DESIGNER:	Designer
DRAWN BY:	RS
CHECKED BY:	ACM
ISSUE DATE:	11/08/2021
APPROVED BY:	Approver
APPROVAL DATE:	

DIRECTOR
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Review/ Approval Category
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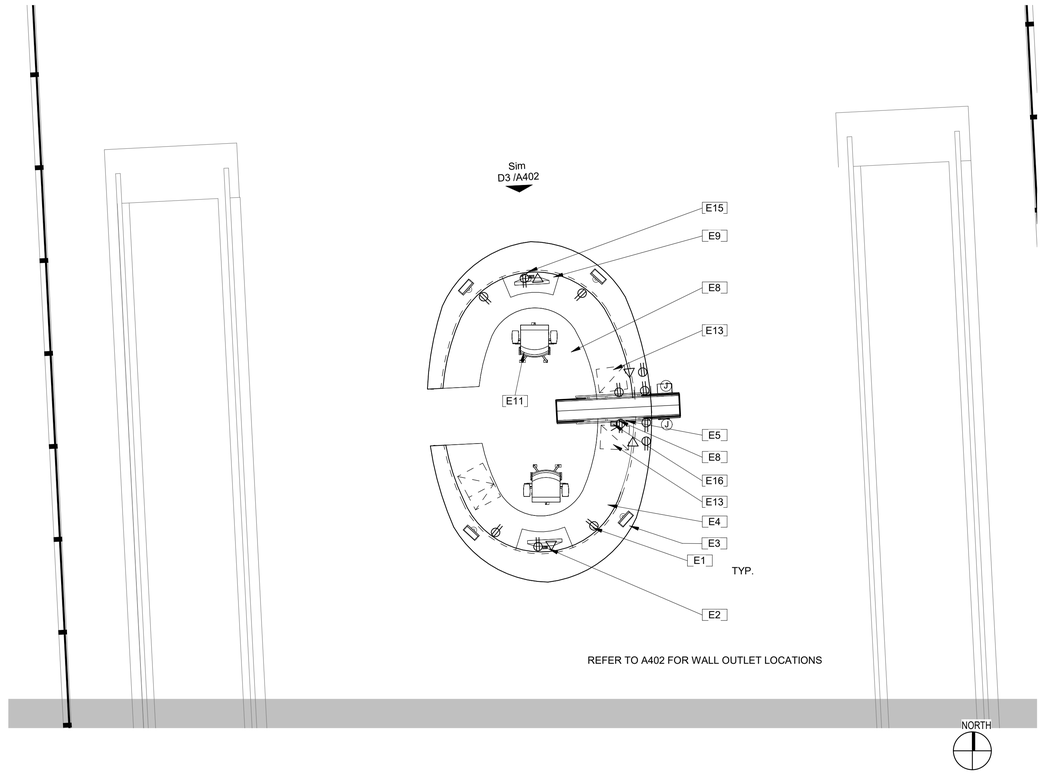
REGISTERED ARCHITECT
KATHLEEN A ENGLISH
12622
STATE OF TEXAS
11/08/2021

PN # 941

TIP NO. # TIP-21-128-HOU

SHEET NAME:	DATA, ELEC, EQUIPT. LOCATION PLAN - BAGGAGE CLAIM - AREA A
SHEET No.	AE101
SCALE:	As indicated

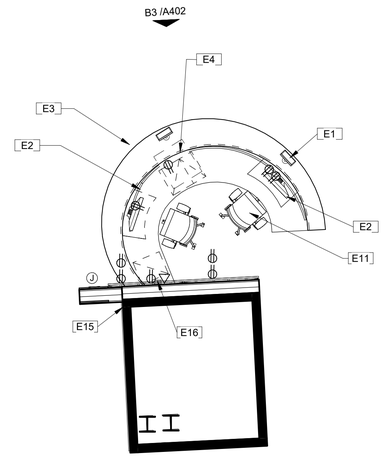
SHEET SIZE: 22"x34" ANSI-D



REFER TO A402 FOR WALL OUTLET LOCATIONS

DATA, ELEC., EQUIPT. PLAN - LEVEL 1 - AREA C

SCAL 1/4" = 1'-0" B2



REFER TO A402 FOR WALL OUTLET LOCATIONS

NORTH

ARCHITECTURAL FLOOR PLAN - LEVEL 1 - AREA B

SCAL 1/4" = 1'-0" D2

1 ALL ELECTRICAL OUTLETS, SWITCHES OR OTHER ELECTRICAL DEVICES SHALL BE WHITE WITH WHITE FACE PLATES, WITH THE FOLLOWING EXCEPTIONS:

ALL DEDICATED OUTLETS SHALL HAVE AN ORANGE OUTLET WITH WHITE FACE PLATE
ALL DEDICATED CIRCUITS SHALL HAVE A GREY OUTLET WITH WHITE FACE PLATE
ALL EMERGENCY POWER/UPS OUTLETS SHALL HAVE A RED OUTLET WITH A WHITE FACE PLATE.

a- ALL DEDICATED OUTLETS SHALL HAVE AN ORANGE OUTLET WITH WHITE FACE PLATE
b- ALL DEDICATED CIRCUITS SHALL HAVE A GREY OUTLET WITH WHITE FACE PLATE
c- ALL EMERGENCY POWER/UPS OUTLETS SHALL HAVE A RED OUTLET WITH A WHITE FACE PLATE.

2 ALL GANGED OUTLETS, SWITCHES OR OTHER ELECTRICAL DEVICES SHALL RECEIVE A COMMON FACE PLATE.

3 RELOCATE ALL EXISTING OUTLETS WHICH ARE NOT CURRENTLY MOUNTED AT THE SPECIFIED HEIGHT TO THE REQUIRED ADA/TAS MOUNTING HEIGHT. PATCH AND PAINT PARTITION AT ABANDONED OUTLETS.

4 CONTRACTOR SHALL PROVIDE PULL STRINGS FOR DATA AND VOICE CABLING WHERE INDICATED ON LOCATION PLAN. DATA AND VOICE CABLING, COVER PLATES AND TERMINATION SHALL BE PROVIDED BY VOICE / DATA CONTRACTOR. CONTRACTOR SHALL COORDINATE DATA AND VOICE INSTALLATIONS WITH TENANT'S REPRESENTATIVE.

5 CONTRACTOR SHALL COORDINATE INSTALLATION OF FURNITURE SYSTEM WITH THE FURNITURE SYSTEM INSTALLER. COORDINATE LOCATION OF ALL JUNCTION BOXES. ALL HARDWIRE CONNECTIONS TO FURNITURE SYSTEM SHALL BE DONE BY GENERAL CONTRACTOR'S ELECTRICAL SUB-CONTRACTOR.

6 OUTLETS SHOWN ON THE ELECTRICAL AND TELEPHONE LOCATION PLAN ARE THE ARCHITECT'S UNDERSTANDING OF GENERAL PURPOSE AND SPECIFIC USE REQUIREMENTS. ADDITIONAL OUTLETS, JUNCTION BOXES OR OTHER ELECTRICAL DEVICES MAY BE SHOWN ON THE ELECTRICAL PLANS. CONTRACTOR SHALL BASE THEIR BID ON THE ARCHITECTURAL AND MEP PLANS COMBINED.

7 RE: B1/AE101 FOR TYPICAL MOUNTING HEIGHTS OF ALL ELECTRICAL TELEPHONE AND/OR DATA RECEPTACLES, THERMOSTATS AND SWITCHES UNLESS NOTED OTHERWISE.

8 ALL ELECTRICAL, TELEPHONE AND/OR DATA OUTLETS EXPOSED ABOVE COUNTERTOP HEIGHT SHALL BE MOUNTED HORIZONTALLY, UNLESS NOTED OTHERWISE.

9 CONFIRM EXACT LOCATION OF ALL CORE DRILLS (IF ANY) WITH ARCHITECT PRIOR TO PERFORMING WORK.

10 PROVIDE AND INSTALL NEW OUTLETS AND COVER PLATES AT EXISTING RECEPTACLES AS NECESSARY THROUGHOUT TO MATCH SPECIFIED COLOR. REPLACE BROKEN, DAMAGED OR DISCOLORED COVER PLATES.

11 FIRE PROOF AND SEAL AS REQUIRED BY CODE ALL NEW AND ABANDONED PENETRATIONS.

12 ALL OUTLETS NOT KEY NOTED ON THE PLAN ARE FOR GENERAL PURPOSE.

13 ANY FLOOR PENETRATION WILL NEED TO BE X-RAY SCANNED WITH A GPR REPORT TO IDENTIFY EXISTING REINFORCING BARS AND/OR UTILITIES THROUGHOUT THE EXISTING SLAB/FLOOR PRIOR TO DRILLING/CORING FOR ANY PENETRATIONS, THIS INCLUDES BUT NOT LIMITED TO FLOOR ANCHORS, CORES, ELECTRICAL POKE-THRUS, ETC.

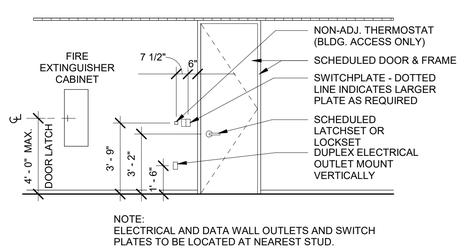
14 FAST CHARGE USB AT OUTLETS ON DESK TOP.

15 SALVAGE ALL OLD TECHNOLOGY AT ALL LOCATIONS. PROVIDE BACK TO HAS IT.

16 ALL VIDEO EQUIPMENT, IPADS AND DESK COMPUTERS PROVIDED AND INSTALLED BY CONTRACTOR.

GENERAL NOTES

A1



NOTE:
ELECTRICAL AND DATA WALL OUTLETS AND SWITCH PLATES TO BE LOCATED AT NEAREST STUD.

TYPICAL MOUNTING HEIGHTS

SCAL 1/4" = 1'-0" B1

E1	SURFACE MOUNTED 10.5" SCREEN TABLET AND HOLDER SPECIFIED. PROVIDED AND INSTALLED BY CONTRACTOR. COORDINATE INSTALLATION AND POWER AND DATA REQUIREMENTS.
E2	24" FLAT SCREEN MONITORS AND PCU BY CONTRACTOR. COORDINATE POWER AND DATA REQUIREMENTS.
E3	CONTINUOUS LED STRIP ACCENT LIGHTING.
E4	OWNER PROVIDED PHONE VOICE OVER IP TO NEAREST COMPUTER. COORDINATE WITH HAS IT.
E5	BASIS-OF-DESIGN: NEC VIDEO WALL.
E8	NEW FLOOR CORE
E9	PROVIDE BEHIND COUNTER CONDUIT FOR ALL ELECTRICAL AND DATA. RE: MEP AND IT DRAWINGS.
E11	CONTRACTOR PROIVDED DESK CHAIRS. COORDINATE WITH ARCHITECT AND OWNER REQUIREMENT STANDARDS AND SELECTIONS
E13	PROVIDE UNDER COUNTER CPU HOLDER LOCKABLE CABINET AS SPECIFIED RE:D1/A850. BASIS OF DESIGN: 3M ADJUSTABLE UNDER DESK CPU HOLDER WITH 360 DGREE SWIVEL CS200MD WITH TOP MOUNTING AND LOCKING CAPABILITY
E15	EXISTING DATA/POWER BOX
E16	NEW DATA/POWER BOX

KEYED NOTES

C1

- (E) EXISTING FIXTURE
- $ LIGHT SWITCH
- RECESSED WALL WASHER
- DUPLEX OUTLET
- QUADRAPLEX OUTLET
- JUNCTION BOX
- BP BASE FEED (WHIP)
- UNDERCABINET FLUORESCENT LIGHTING
- FLOOR MOUNTED POKE-THRU DEVICE FOR POWER/DATA CABLE MANAGEMENT
- EXISTING FLOOR MOUNTED DUPLEX OUTLET
- DATA PULL STRING
- TELEPHONE PULL STRING
- TV PULL STRING
- FLOOR MOUNTED PHONE/DATA OUTLET
- THERMOSTAT
- PP POWER POLE
- D ELECTRIC DOOR CLOSER

SYMBOLS LEGEND

D1

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM
Recommended
01/27/2022
Houston Airports System DATE
Director or Designated Representative

REVIEWED / NO EXCEPTIONS TAKEN
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The performance and approval of this review does not waive the requirement for approval from all reviewers and & liability to conform and comply with all applicable standards, codes, and regulations required from all Authorities Having Jurisdiction (AHJ).

HOUSTON AIRPORTS

7800 AIRPORT BLVD
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www.english-architects.com

DESIGNER PROJECT No.: 20011.07

PROJECT STATUS: 100% PERMIT, BID CONSTRUCTION

REVISIONS

No.	DESCRIPTION	DATE	BY
	SCHEMATIC DESIGN	10.23.20	
	DESIGN DEVELOPMENT	12.04.20	
	95% OWNER REVIEW	09.24.21	
	100% PERMIT, BID AND CONSTRUCTION	11/08/21	

DESIGNER:	Designer
DRAWN BY:	RS
CHECKED BY:	ACM
ISSUE DATE:	11/08/2021
APPROVED BY:	Approver
APPROVAL DATE:	

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/ Approval Category
Approved For Construction

REGISTERED ARCHITECT
KATHLEEN A. ENGLISH
12622
STATE OF TEXAS
11/08/2021

PN # 941

TIP NO. # TIP-21-128-HOU

SHEET NAME: DATA, ELEC, EQUIPT. LOCATION PLAN - LEVEL 1 - AREAS B AND C

SHEET No. AE102 **SCALE:** As indicated

SHEET SIZE: 22"x34" ANSI-D

FILE PATH:
HAS FILE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM

Recommended

01/27/2022
Houston Airports System Director or Designated Representative — DATE

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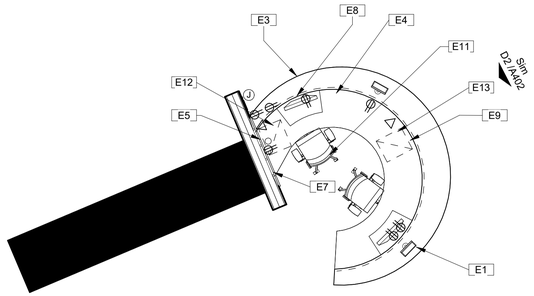
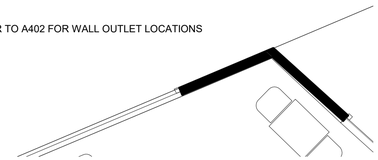


REFER TO A402 FOR WALL OUTLET LOCATIONS



ARCHITECTURAL FLOOR PLAN - LEVEL 1 - AREA D | SCAL 1/4" = 1'-0" | D2

1 ALL ELECTRICAL OUTLETS, SWITCHES OR OTHER ELECTRICAL DEVICES SHALL BE WHITE WITH WHITE FACE PLATES, WITH THE FOLLOWING EXCEPTIONS:

ALL DEDICATED OUTLETS SHALL HAVE AN ORANGE OUTLET WITH WHITE FACE PLATE
ALL DEDICATED CIRCUITS SHALL HAVE A GREY OUTLET WITH WHITE FACE PLATE
ALL EMERGENCY POWER/UPS OUTLETS SHALL HAVE A RED OUTLET WITH A WHITE FACE PLATE.

a- ALL DEDICATED OUTLETS SHALL HAVE AN ORANGE OUTLET WITH WHITE FACE PLATE
b- ALL DEDICATED CIRCUITS SHALL HAVE A GREY OUTLET WITH WHITE FACE PLATE
c- ALL EMERGENCY POWER/UPS OUTLETS SHALL HAVE A RED OUTLET WITH A WHITE FACE PLATE.

2 ALL GANGED OUTLETS, SWITCHES OR OTHER ELECTRICAL DEVICES SHALL RECEIVE A COMMON FACE PLATE.

3 RELOCATE ALL EXISTING OUTLETS WHICH ARE NOT CURRENTLY MOUNTED AT THE SPECIFIED HEIGHT TO THE REQUIRED ADA/TAS MOUNTING HEIGHT. PATCH AND PAINT PARTITION AT ABANDONED OUTLETS.

4 CONTRACTOR SHALL PROVIDE PULL STRINGS FOR DATA AND VOICE CABLING WHERE INDICATED ON LOCATION PLAN. DATA AND VOICE CABLING, COVER PLATES AND TERMINATION SHALL BE PROVIDED BY VOICE / DATA CONTRACTOR. CONTRACTOR SHALL COORDINATE DATA AND VOICE INSTALLATIONS WITH TENANT'S REPRESENTATIVE.

5 CONTRACTOR SHALL COORDINATE INSTALLATION OF FURNITURE SYSTEM WITH THE FURNITURE SYSTEM INSTALLER. COORDINATE LOCATION OF ALL JUNCTION BOXES. ALL HARDWIRE CONNECTIONS TO FURNITURE SYSTEM SHALL BE DONE BY GENERAL CONTRACTOR'S ELECTRICAL SUB-CONTRACTOR.

6 OUTLETS SHOWN ON THE ELECTRICAL AND TELEPHONE LOCATION PLAN ARE THE ARCHITECT'S UNDERSTANDING OF GENERAL PURPOSE AND SPECIFIC USE REQUIREMENTS. ADDITIONAL OUTLETS, JUNCTION BOXES OR OTHER ELECTRICAL DEVICES MAY BE SHOWN ON THE ELECTRICAL PLANS. CONTRACTOR SHALL BASE THEIR BID ON THE ARCHITECTURAL AND MEP PLANS COMBINED.

7 RE: B1/AE101 FOR TYPICAL MOUNTING HEIGHTS OF ALL ELECTRICAL TELEPHONE AND/OR DATA RECEPTACLES, THERMOSTATS AND SWITCHES UNLESS NOTED OTHERWISE.

8 ALL ELECTRICAL, TELEPHONE AND/OR DATA OUTLETS EXPOSED ABOVE COUNTERTOP HEIGHT SHALL BE MOUNTED HORIZONTALLY, UNLESS NOTED OTHERWISE.

9 CONFIRM EXACT LOCATION OF ALL CORE DRILLS (IF ANY) WITH ARCHITECT PRIOR TO PERFORMING WORK.

10 PROVIDE AND INSTALL NEW OUTLETS AND COVER PLATES AT EXISTING RECEPTACLES AS NECESSARY THROUGHOUT TO MATCH SPECIFIED COLOR. REPLACE BROKEN, DAMAGED OR DISCOLORED COVER PLATES.

11 FIRE PROOF AND SEAL AS REQUIRED BY CODE ALL NEW AND ABANDONED PENETRATIONS.

12 ALL OUTLETS NOT KEY NOTED ON THE PLAN ARE FOR GENERAL PURPOSE.

13 ANY FLOOR PENETRATION WILL NEED TO BE X-RAY SCANNED WITH A GPR REPORT TO IDENTIFY EXISTING REINFORCING BARS AND/OR UTILITIES THROUGHOUT THE EXISTING SLAB/FLOOR PRIOR TO DRILLING/CORING FOR ANY PENETRATIONS, THIS INCLUDES BUT NOT LIMITED TO FLOOR ANCHORS, CORES, ELECTRICAL POKE-THRUS, ETC.

14 FAST CHARGE USB AT OUTLETS ON DESK TOP.

15 SALVAGE ALL OLD TECHNOLOGY AT ALL LOCATIONS. PROVIDE BACK TO HAS IT.

16 ALL VIDEO EQUIPMENT, IPADS AND DESK COMPUTERS PROVIDED AND INSTALLED BY CONTRACTOR.

GENERAL NOTES | B1

E1	SURFACE MOUNTED 10.5" SCREEN TABLET AND HOLDER SPECIFIED. PROVIDED AND INSTALLED BY CONTRACTOR. COORDINATE INSTALLATION AND POWER AND DATA REQUIREMENTS.
E3	CONTINUOUS LED STRIP ACCENT LIGHTING.
E4	OWNER PROVIDED PHONE VOICE OVER IP TO NEAREST COMPUTER. COORDINATE WITH HAS IT.
E5	BASIS-OF-DESIGN: NEC VIDEO WALL.
E7	PROVIDE DATA FOR DISPLAY WALL.
E8	NEW FLOOR CORE
E9	PROVIDE BEHIND COUNTER CONDUIT FOR ALL ELECTRICAL AND DATA. RE: MEP AND IT DRAWINGS.
E11	CONTRACTOR PROIVDED DESK CHAIRS. COORDINATE WITH ARCHITECT AND OWNER REQUIREMENT STANDARDS AND SELECTIONS
E12	VIDEO WALL CONTROL TOWER ON SHELF. RE: DETAIL B2/ A850.
E13	PROVIDE UNDER COUNTER CPU HOLDER LOCKABLE CABINET AS SPECIFIED RE:D1/A850. BASIS OF DESIGN: 3M ADJUSTABLE UNDER DESK CPU HOLDER WITH 360 DGREE SWIVEL CS200MD WITH TOP MOUNTING AND LOCKING CAPABILITY

KEYED NOTES | C1

- (E) EXISTING FIXTURE
- $ LIGHT SWITCH
- RECESSED WALL WASHER
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- TV PULL STRING
- FLOOR MOUNTED PHONE/DATA OUTLET
- T THERMOSTAT
- PP POWER POLE
- D ELECTRIC DOOR CLOSER

SYMBOLS LEGEND | D1

FILE PATH:
HAS FILE:
PLOT DATE:
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DESIGNER PROJECT No.: 20011.07

PROJECT STATUS: 100% PERMIT, BID CONSTRUCTION

REVISIONS

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	SCHEMATIC DESIGN	10.23.20	
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DESIGNER:	Designer
DRAWN BY:	RS
CHECKED BY:	ACM
ISSUE DATE:	11/08/2021
APPROVED BY:	Approver
APPROVAL DATE:	

DIRECTOR
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HOUSTON AIRPORT SYSTEM

Review/ Approval Category
Approved For Construction

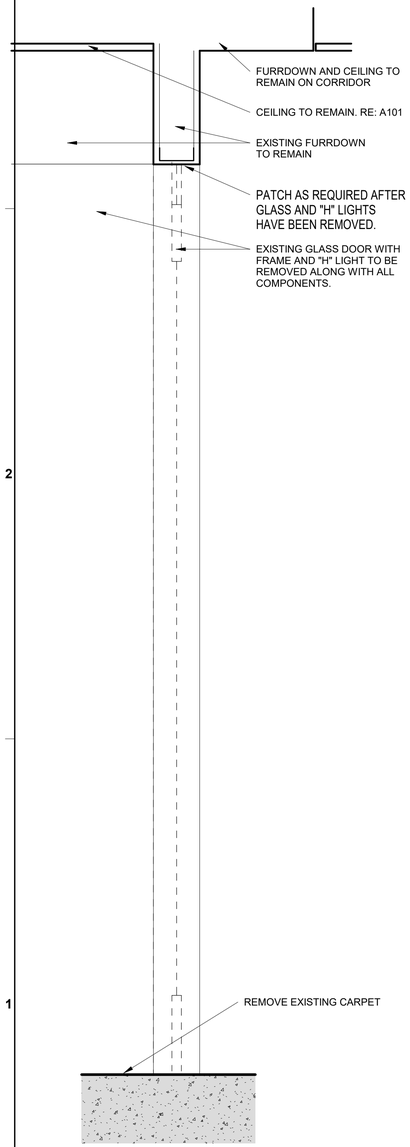
REGISTERED ARCHITECT
KATHLEEN A ENGLISH
12622
STATE OF TEXAS
11/08/2021

PN # 941

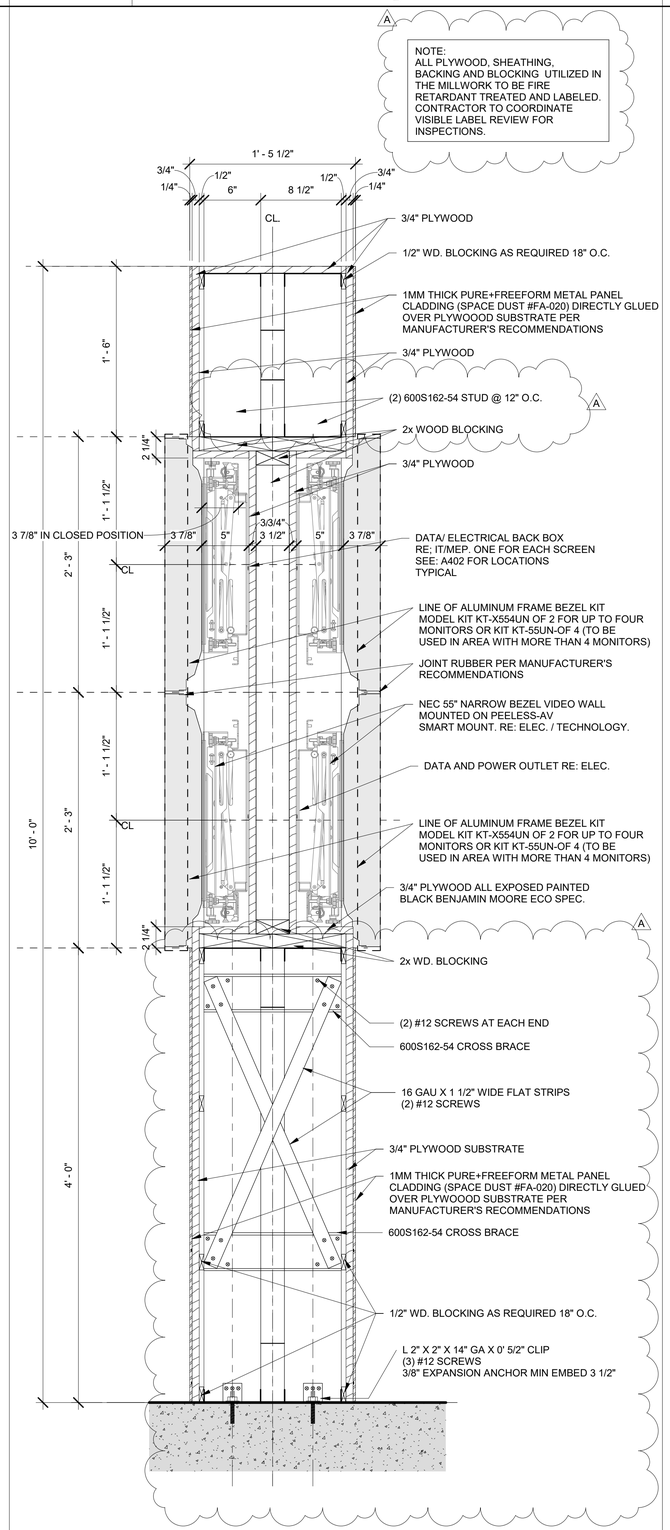
TIP NO. # TIP-21-128-HOU

SHEET NAME:	DATA, ELEC, EQUIPT. LOCATION PLAN - LEVEL 1 - AREA D		
SHEET No.	AE103	SCALE:	As indicated

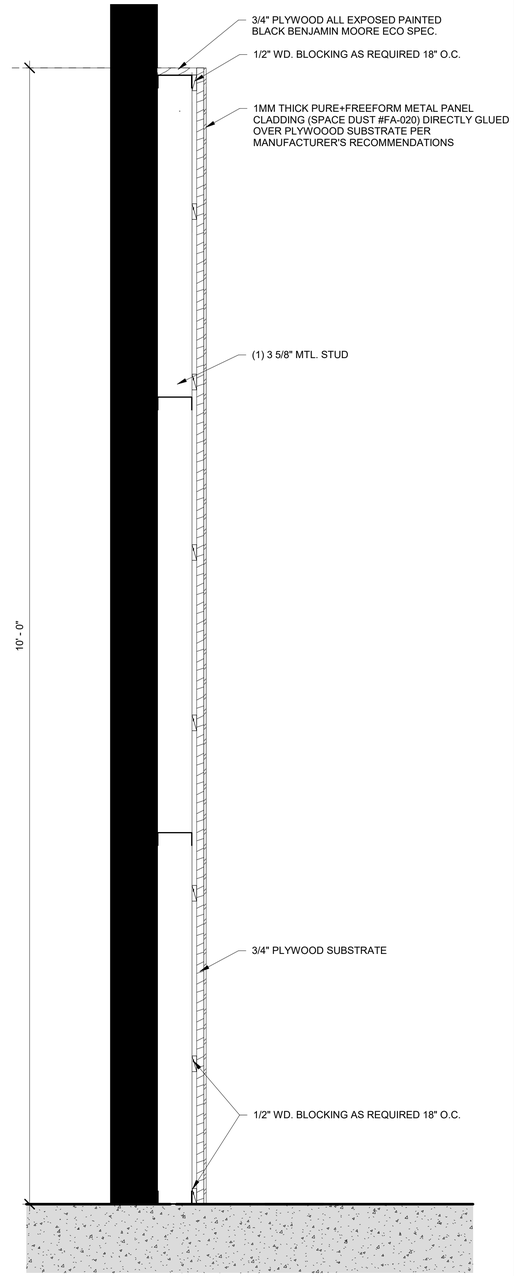
SHEET SIZE: 22"x34" ANSI-D



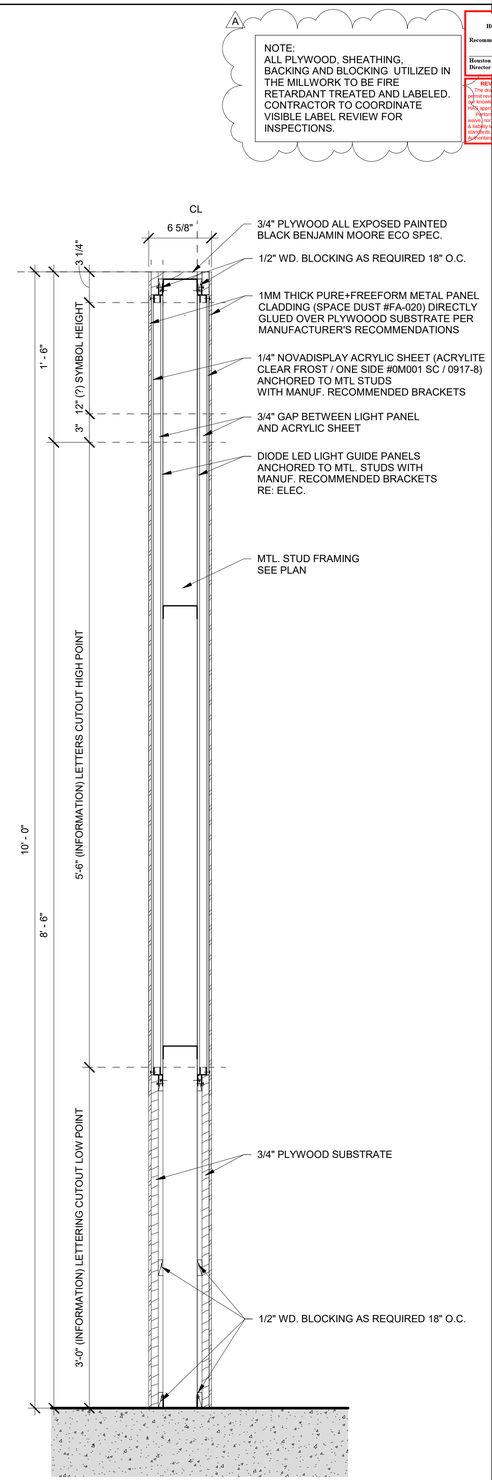
SECTION | SCAL 1 1/2" = 1'-0" | A1



SECTION (2) 6" DOUBLE TV MOUNT | SCAL 1 1/2" = 1'-0" | B1



WALL SECTION 3 5/8" SINGLE SIDED | SCAL 1 1/2" = 1'-0" | C1



WALL SECTION 3 5/8" DOUBLE SIDED | SCAL 1 1/2" = 1'-0" | D1

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM
Recommended
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Houston Airports System Director or Designated Representative — DATE

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DESIGNER PROJECT No.: 20011.07

PROJECT STATUS: 100% PERMIT, BID CONSTRUCTION

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	100% PERMIT, BID AND CONSTRUCTION	11/08/21	
A	ADDENDUM A	01-11-2022	

DESIGNER:	Designer
DRAWN BY:	Author
CHECKED BY:	KE
ISSUE DATE:	01/11/2022
APPROVED BY:	Approver
APPROVAL DATE:	

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

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REGISTERED ARCHITECT
KATHLEEN A ENGLISH
72622
STATE OF TEXAS
01/11/2022

PN # 941

TIP NO. # TIP-21-128-HOU

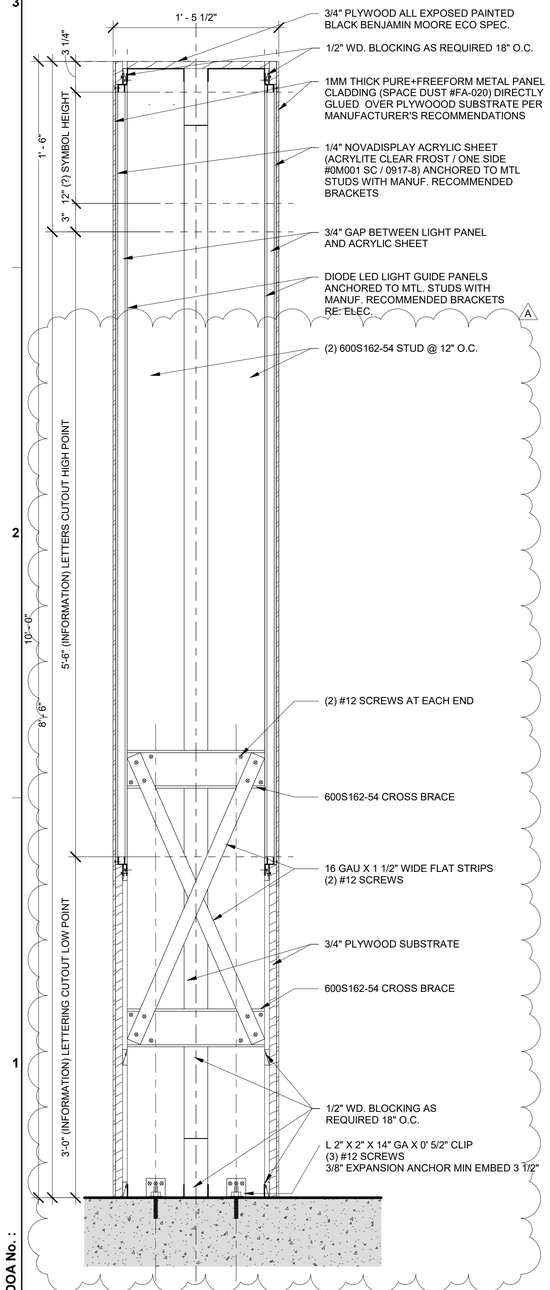
SHEET NAME: WALL SECTIONS

SHEET No. A350 | SCALE: 1 1/2" = 1'-0"

SHEET SIZE: 22"x34" ANSI-D

FILE PATH:
HAS FILE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :

NOTE:
ALL PLYWOOD, SHEATHING, BACKING AND BLOCKING UTILIZED IN THE MILLWORK TO BE FIRE RETARDANT TREATED AND LABELED. CONTRACTOR TO COORDINATE VISIBLE LABEL REVIEW FOR INSPECTIONS.



SECTION (2) 6" DOUBLE SIDED SCAL 1 1/2" = 1'-0" A1

NOTE:
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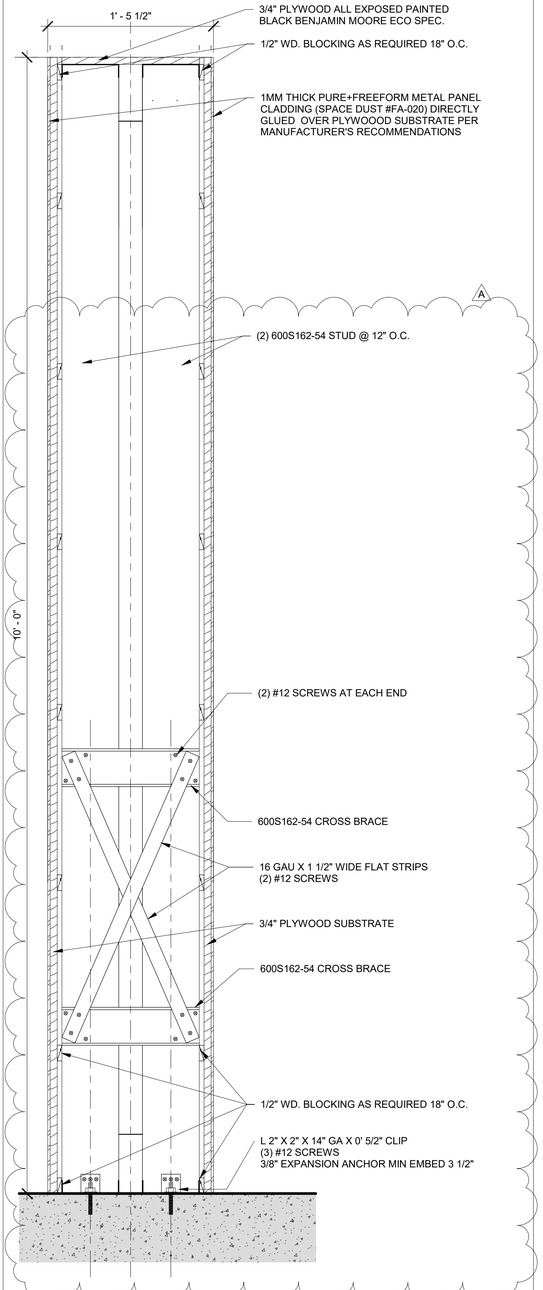

SECTION (2) 6" NO LIGHT PANELS SCAL 1 1/2" = 1'-0" B1

NOTE:
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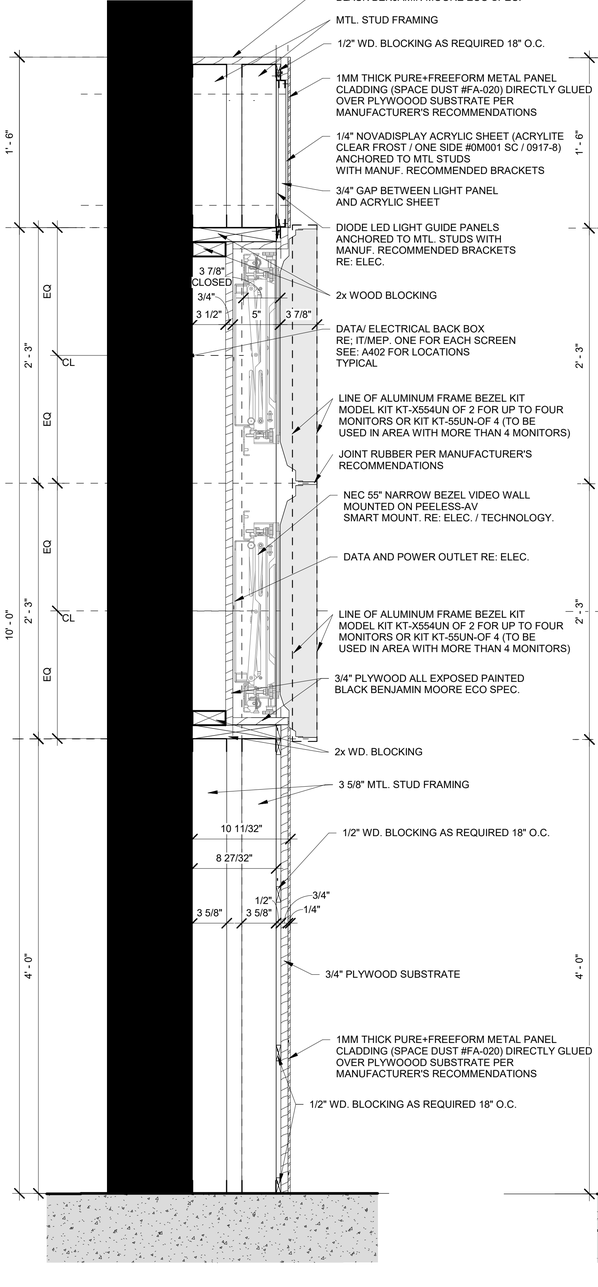

SECTION (2) 3-5/8" SINGLE SIDED SCAL 1 1/2" = 1'-0" C1

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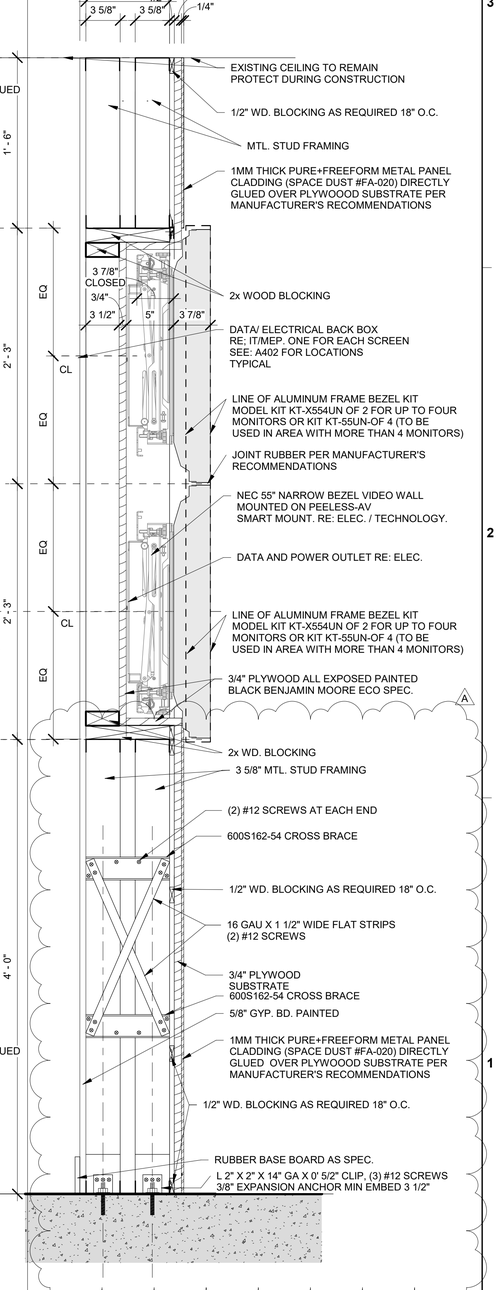

SECTION 3-5/8" BACK GYP. BD. SCAL 1 1/2" = 1'-0" D1

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM
Recommended
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REVIEWED FOR EXCEPTIONS TAKEN
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A	ADDENDUM A	01-11-2022	

DESIGNER:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker
ISSUE DATE:	01/11/2022
APPROVED BY:	Approver
APPROVAL DATE:	

DIRECTOR
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HOUSTON AIRPORT SYSTEM

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KATHLEEN A. ENGLISH
12622
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01/11/2022

PN # 941

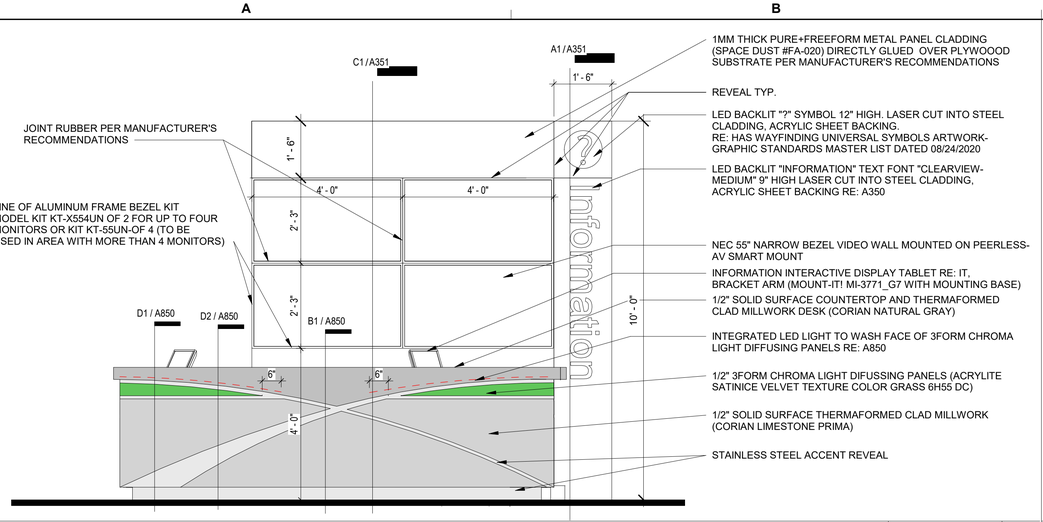
TIP NO. # TIP-21-128-HOU

SHEET NAME: WALL SECTIONS

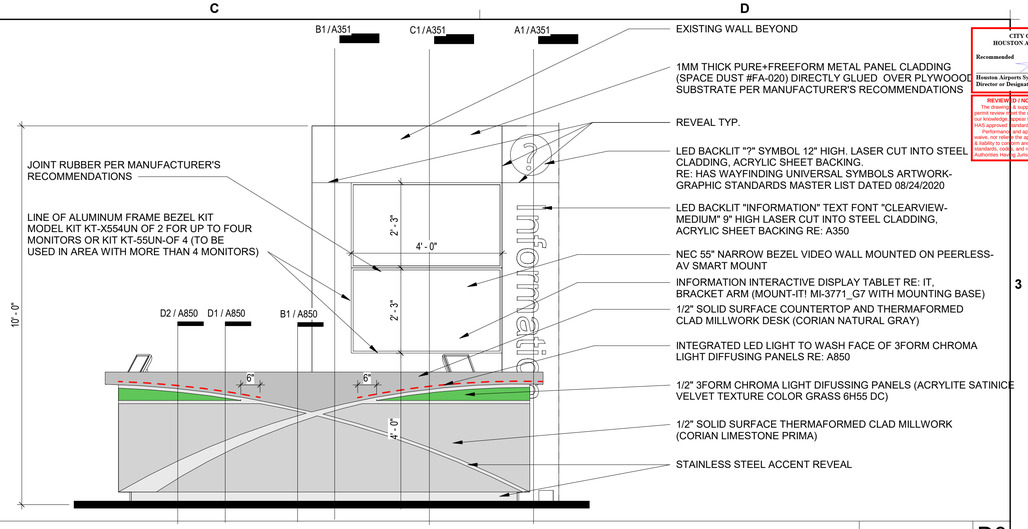
SHEET No. A351 | **SCALE:** 1 1/2" = 1'-0"

SHEET SIZE: 22"x34" ANSI-D

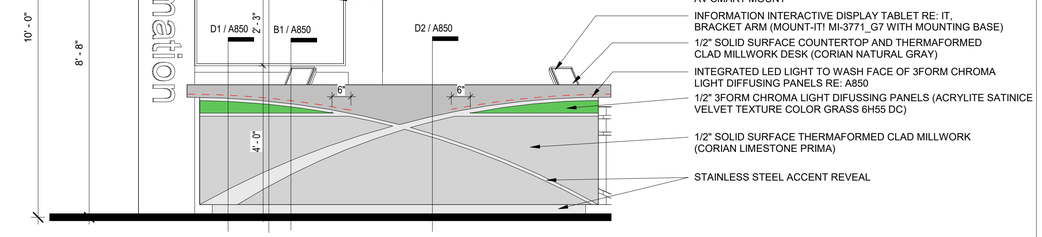
FILE PATH:
HAS FILE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :



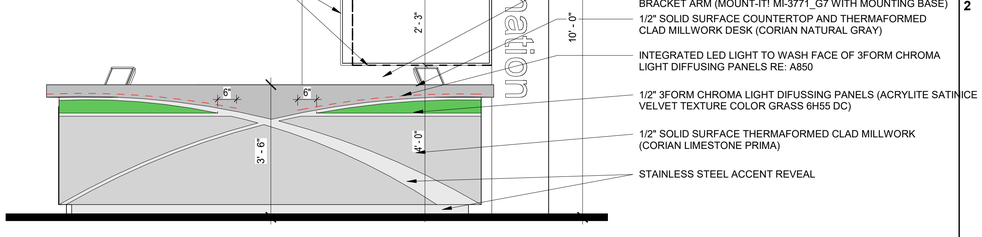
KIOSK ELEVATION @ AREA B SCAL 1/2" = 1'-0" B3



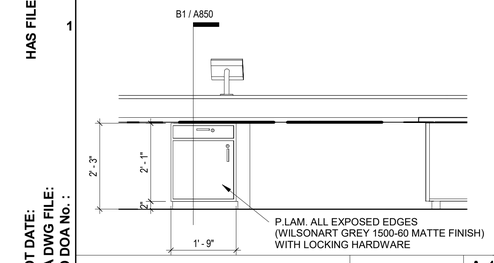
EAST KIOSK ELEVATION @ AREA D SCAL 1/2" = 1'-0" D3



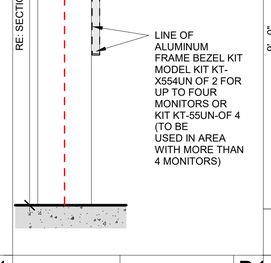
NORTH KIOSK ELEVATION @ AREA C SCAL 1/2" = 1'-0" B2



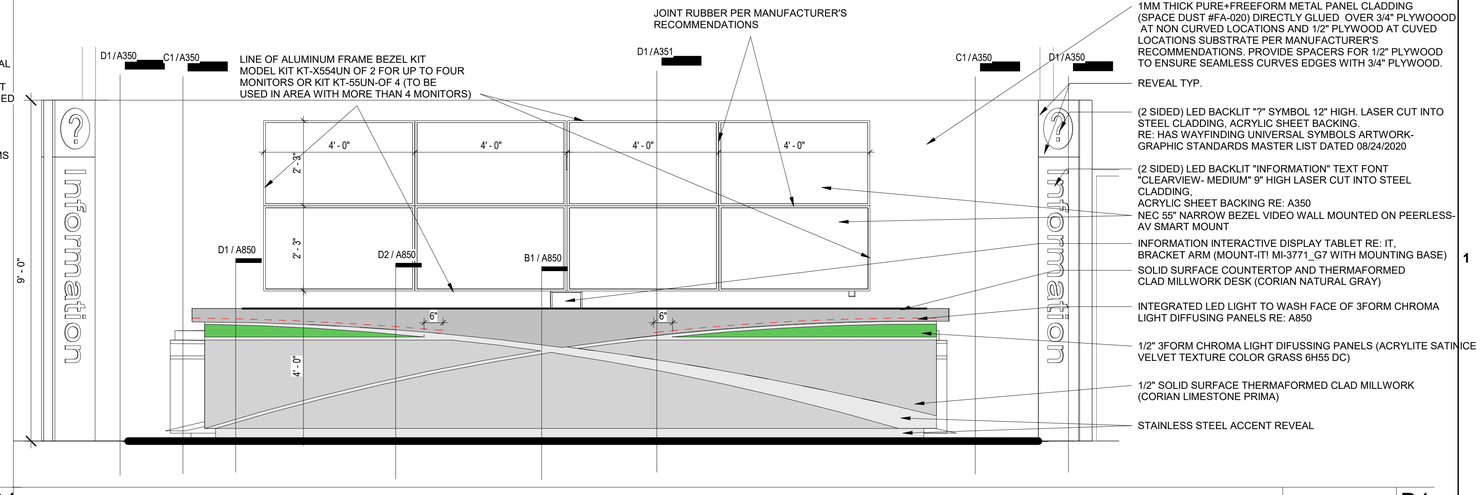
SOUTH KIOSK ELEVATION @ AREA C SCAL 1/2" = 1'-0" D2



UNDERCOUNTER CABINET SCAL 1/2" = 1'-0" A1



EDGE SCAL 1/2" = 1'-0" B1



KIOSK ELEVATION @ BAGGAGE CLAIM - AREA A SCAL 1/2" = 1'-0" D1

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7800 AIRPORT BLVD
HOUSTON, TEXAS 77061

HOU INFORMATION COUNTER RENOVATION

C.I.P. No.	A.I.P. No.
C.O.H. No.	D.O.A No.

ENGLISH + ASSOCIATES
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DESIGNER PROJECT No.: 20011.07

PROJECT STATUS: 100% PERMIT, BID CONSTRUCTION

REVISIONS

No.	DESCRIPTION	DATE	BY
	SCHEMATIC DESIGN	10.23.20	
	DESIGN DEVELOPMENT	12.04.20	
	95% OWNER REVIEW	09.24.21	
	100% PERMIT, BID AND CONSTRUCTION	11/08/21	

DESIGNER:	Designer
DRAWN BY:	RS
CHECKED BY:	ACM
ISSUE DATE:	11/08/2021
APPROVED BY:	Approver
APPROVAL DATE:	

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/ Approval Category
Approved For Construction

KATHLEEN A. ENGLISH
REGISTERED ARCHITECT
12622
STATE OF TEXAS
11/08/2021

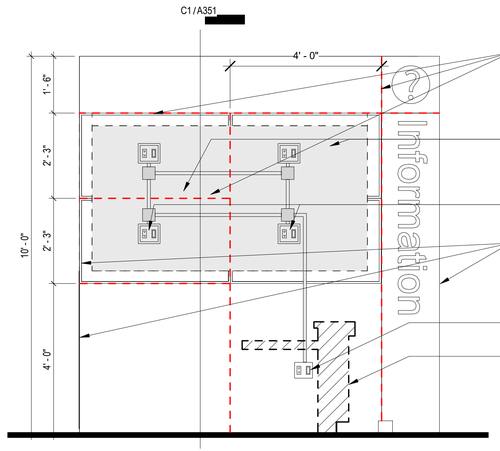
PN # 941

TIP NO. # TIP-21-128-HOU

SHEET NAME:	ENLARGED "VIEWS"
SHEET No. A401	SCALE: 1/2" = 1'-0"

SHEET SIZE: 22"x34" ANSI-D

FILE PATH:
HAS FILE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :



SEAMS TO START IN MIDDLE OF TVS AND END AT EDGES OF REVEAL OF 1MM THICK PURE+FREEFORM METAL PANEL CLADDING (SPACE DUST #FA-020) 48" SHEETS LAID VERTICALLY AND HORIZONTALLY TO ACHIEVE SEAMS AS SHOWN.

EDGE OF 4" WALL ALCOVE FOR PEERLESS-AV VIDEO WALL MOUNT. TYP.

IN-ALCOVE RECESSED MEDIA OUTLET. TYP.

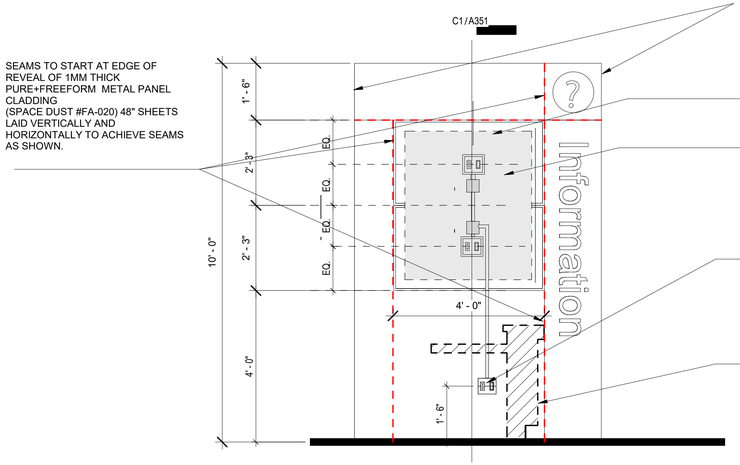
WRAP END OF 1MM THICK PURE+FREEFORM METAL PANEL CLADDING (SPACE DUST #FA-020) 48" SHEETS LAID VERTICALLY TO MIDDLE OF WALL END. TYP. AT ALL LOCATIONS. RE: B1/A402. ENSURE NO CORNERS TO RECEIVE A CUT PANEL.

PROVIDE MEDIA & DATA OUTLET.

OUTLINE OF DESK

NOTE: RE: SHEET A401 FOR ARCHITECTURAL ELEVATION NOTES

IT, DATA, & ELECTRICAL KIOSK ELEVATION @ AREA B SCAL 1/2" = 1'-0" B3



SEAMS TO START AT EDGE OF REVEAL OF 1MM THICK PURE+FREEFORM METAL PANEL CLADDING (SPACE DUST #FA-020) 48" SHEETS LAID VERTICALLY AND HORIZONTALLY TO ACHIEVE SEAMS AS SHOWN.

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EDGE OF 4" WALL ALCOVE FOR PEERLESS-AV VIDEO WALL MOUNT. TYP.

IN-ALCOVE RECESSED MEDIA OUTLET. TYP.

PROVIDE MEDIA & DATA OUTLET.

OUTLINE OF DESK

NOTE: RE: SHEET A401 FOR ARCHITECTURAL ELEVATION NOTES

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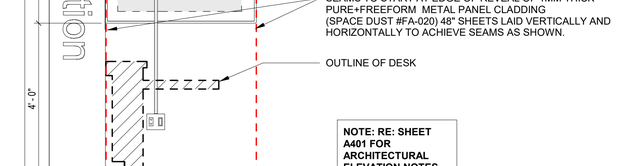

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IN-ALCOVE RECESSED MEDIA OUTLET. TYP.

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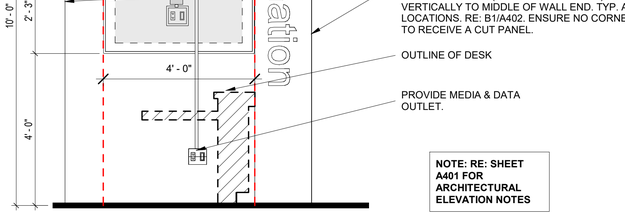
OUTLINE OF DESK

NOTE: RE: SHEET A401 FOR ARCHITECTURAL ELEVATION NOTES

IT, DATA, & ELECTRICAL KIOSK ELEVATION @ AREA C SCAL 1/2" = 1'-0" B2



SEAMS TO START AT EDGE OF REVEAL OF 1MM THICK PURE+FREEFORM METAL PANEL CLADDING (SPACE DUST #FA-020) 48" SHEETS LAID VERTICALLY AND HORIZONTALLY TO ACHIEVE SEAMS AS SHOWN.

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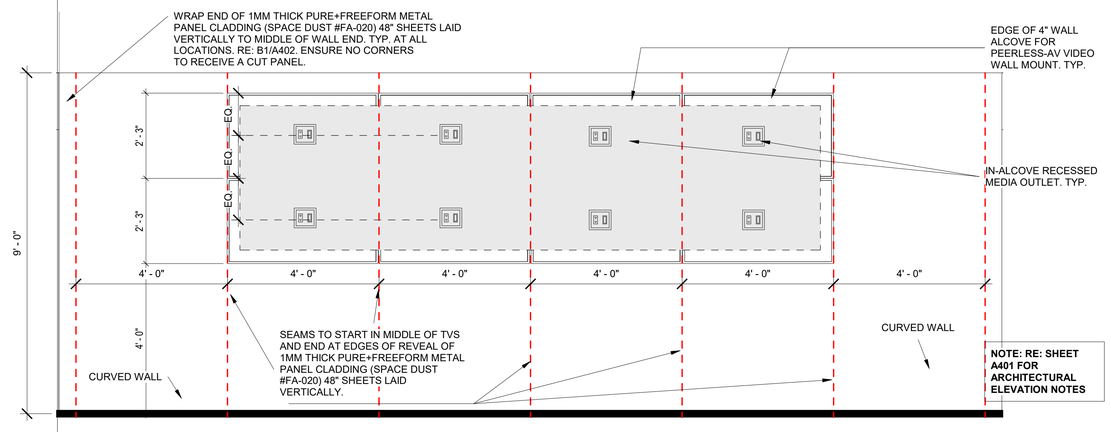
OUTLINE OF DESK

PROVIDE MEDIA & DATA OUTLET.

NOTE: RE: SHEET A401 FOR ARCHITECTURAL ELEVATION NOTES

IT, DATA, & ELECTRICAL KIOSK ELEVATION @ AREA C1 SCAL 1/2" = 1'-0" D2



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NOTE: RE: SHEET A401 FOR ARCHITECTURAL ELEVATION NOTES

IT, DATA, & ELECTRICAL KIOSK ELEVATION @ AREA A SCAL 1/2" = 1'-0" D1

FILE PATH:
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CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM
Recommended
Houston Airports System
Director or Designated Representative
01/27/2022
DATE

REVIEWED / NO EXCEPTIONS TAKEN
The drawings & supporting documents submitted for permit review meet the design intent, and to the best of our knowledge, appear to be in compliance with current HAS approved standards.
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	DESIGN DEVELOPMENT	12.04.20	
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DESIGNER:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker
ISSUE DATE:	11/08/2021
APPROVED BY:	Approver
APPROVAL DATE:	

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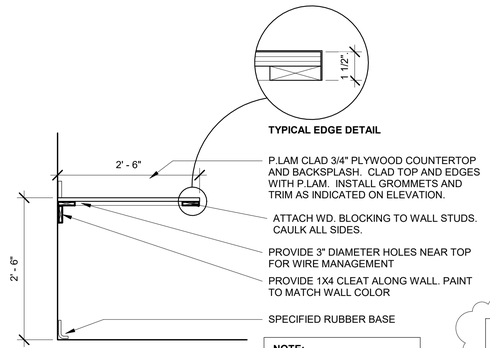
REGISTERED ARCHITECT
KATHLEEN A ENGLISH
12622
STATE OF TEXAS
11/08/2021

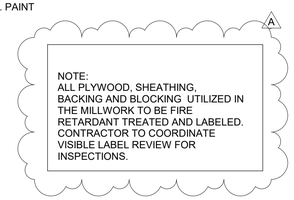
PN # 941

TIP NO. # TIP-21-128-HOU

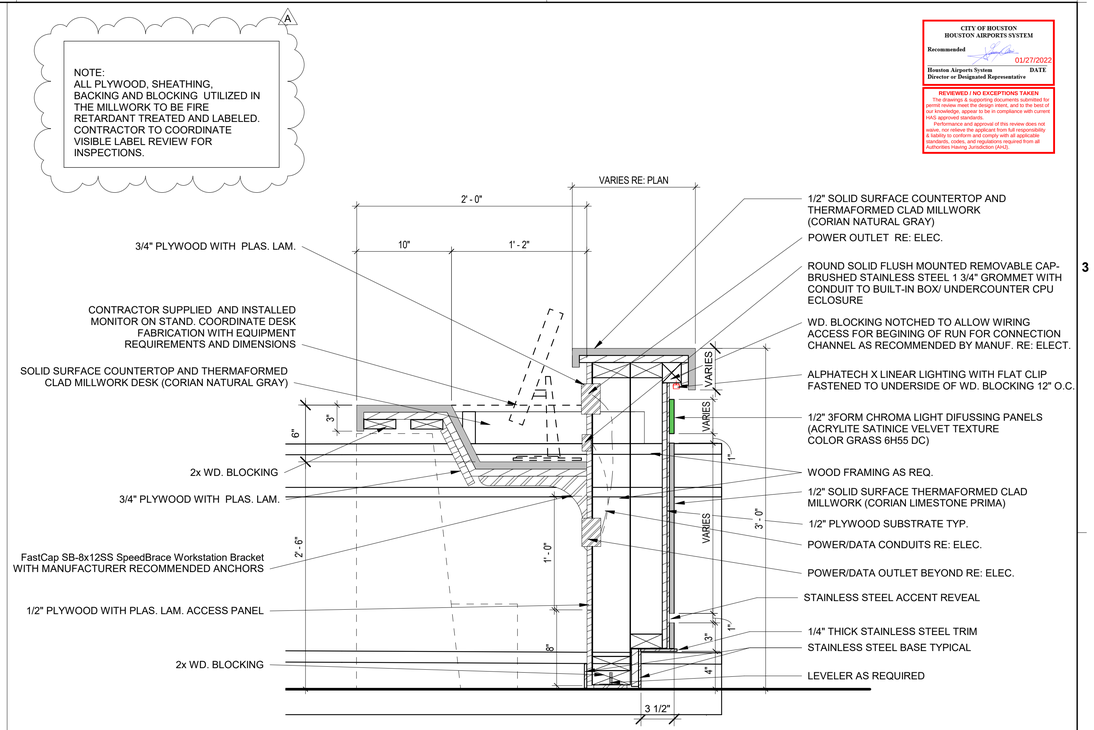
SHEET NAME:	IT, DATA, & ELECTRICAL ELEVATIONS
SHEET No. A402	SCALE: 1/2" = 1'-0"

SHEET SIZE: 22"x34" ANSI-D

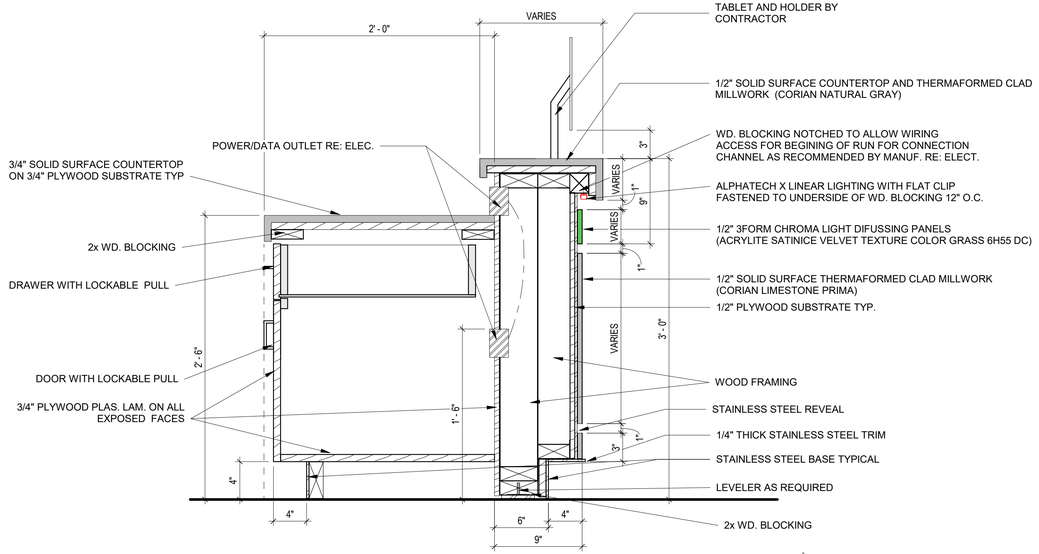


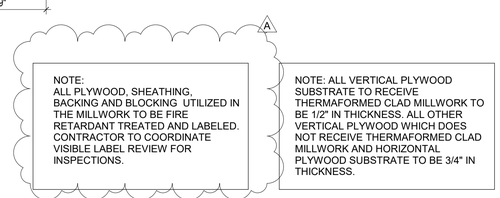


MILLWORK DETAIL — SCAL 3/4" = 1'-0" — B2



8-10 SECTION @ KIOSK RECESSED MONITOR — SCAL 1 1/2" = 1'-0" — D2





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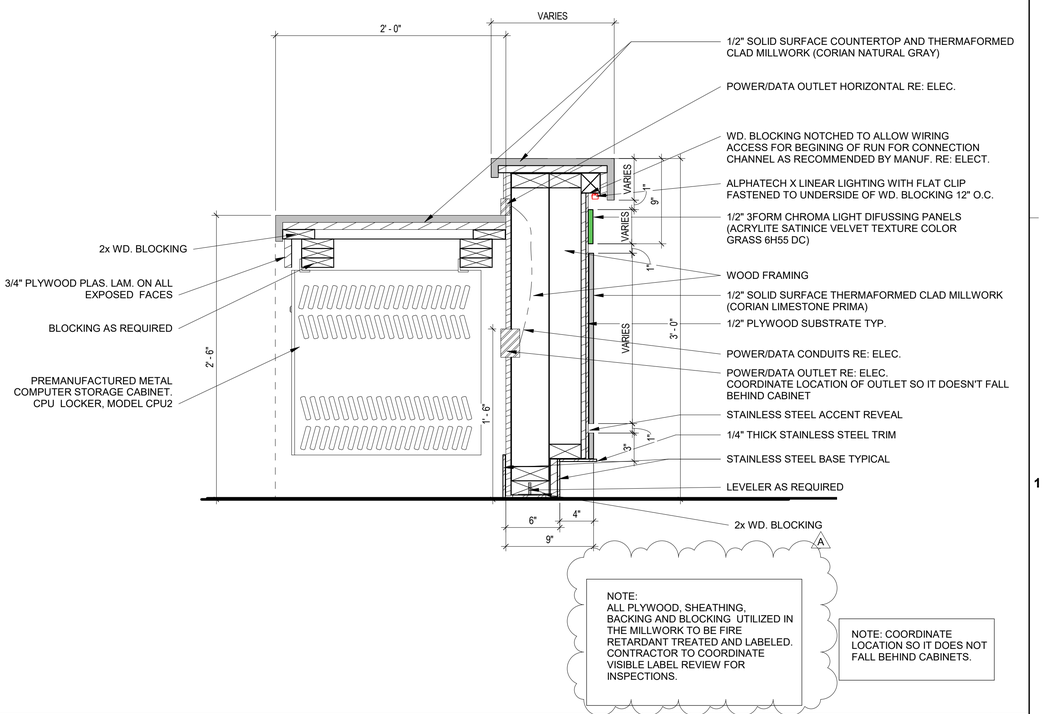

8-10 SECTION @ KIOSK WITH STORAGE BOX — SCAL 1 1/2" = 1'-0" — D1

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM
Recommended
01/27/2022
Houston Airports System Director or Designated Representative — DATE

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A	ADDENDUM A	01-11-2022	

DESIGNER:	Designer
DRAWN BY:	RS
CHECKED BY:	ACM
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REGISTERED ARCHITECT — KATHLEEN A ENGLISH — 12622 — STATE OF TEXAS
01/11/2022

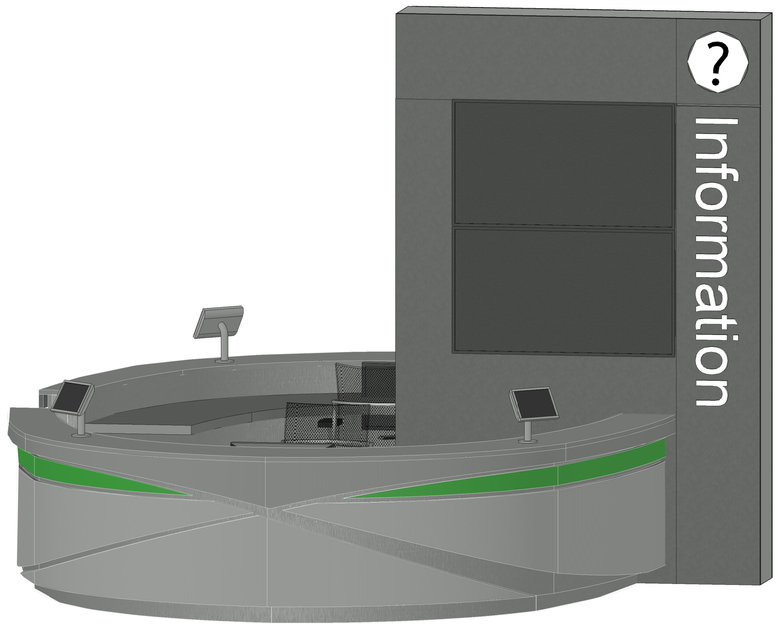
PN # 941

TIP NO. # TIP-21-128-HOU

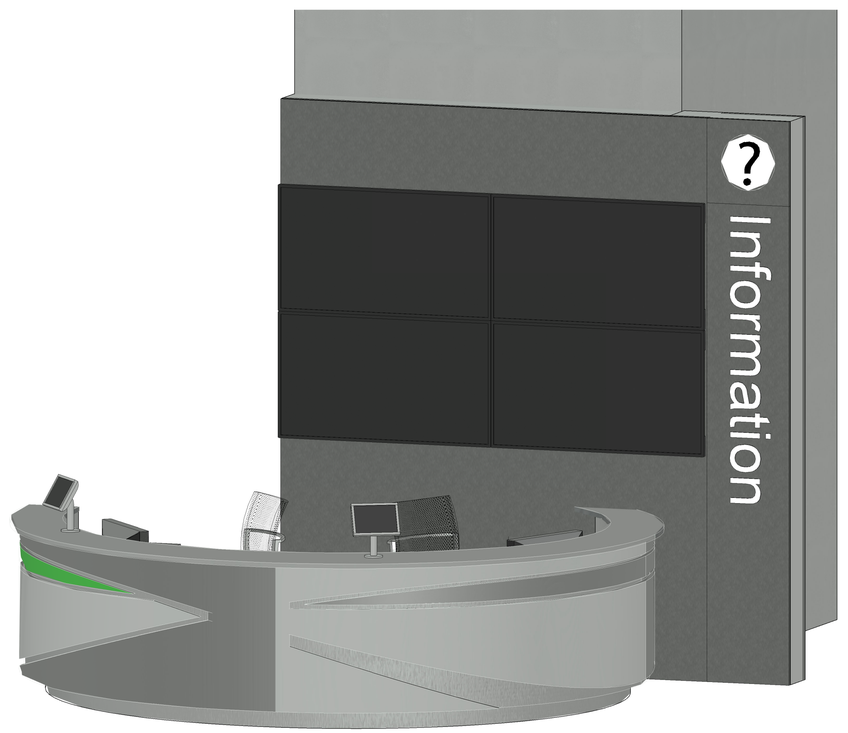
SHEET NAME: MILLWORK SECTIONS AND DETAILS

SHEET No. A850 | SCALE: As indicated

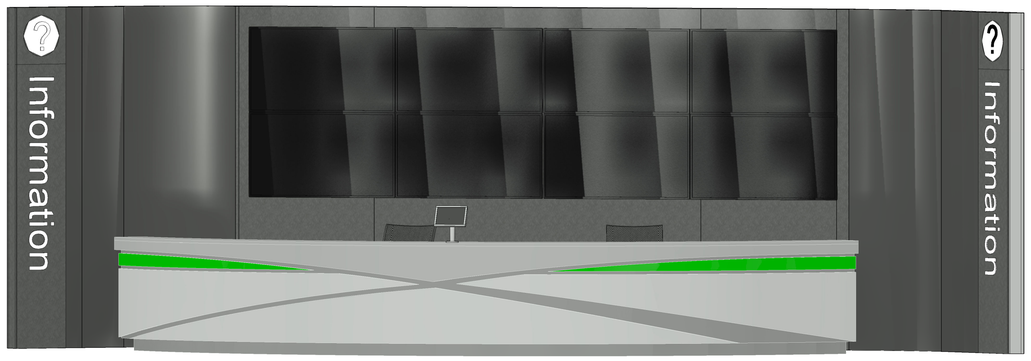
SHEET SIZE: 22"x34" ANSI-D



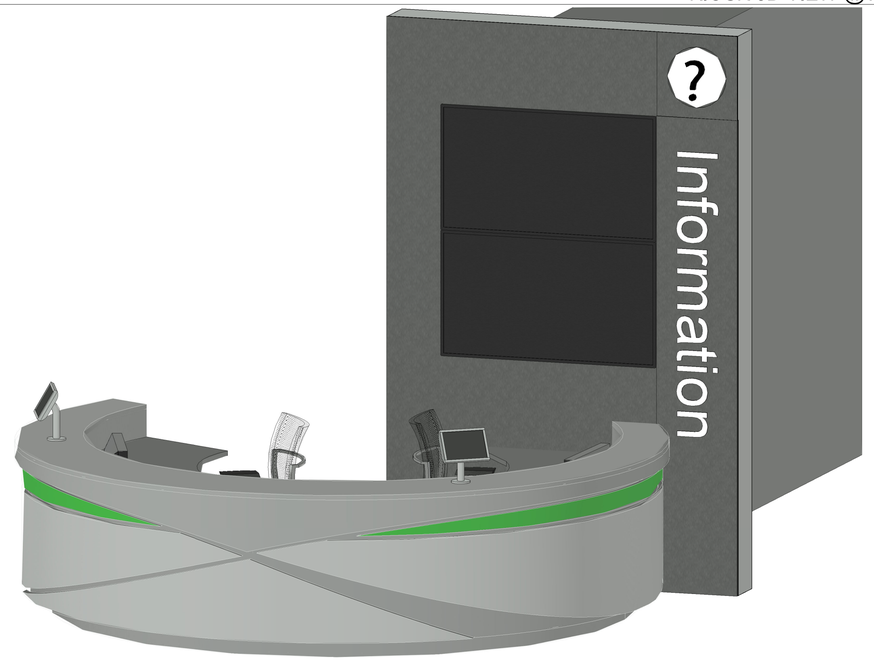
KIOSK 3D VIEW @ AREA C | B2



KIOSK 3D VIEW @ AREA B | D2



KIOSK 3D VIEW @ BAGGAGE CLAIM | B1



KIOSK 3D VIEW @ AREA D | D1

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TIP NO. # TIP-21-128-HOU

SHEET NAME: 3D VIEWS

SHEET No. A900 | **SCALE:**

SHEET SIZE: 22"x34" ANSI-D

FILE PATH:
HAS FILE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :

ABBREVIATIONS

A	AMPS, AIR (COMPRESSED)
AAP	AREA ALARM PANEL
ABV	ABOVE
AC	ALTERNATING CURRENT, AIR COMPRESSOR
A/C	AIR CONDITIONING
ACC	AIR COOLED CHILLER
ACCU	AIR COOLED CONDENSING UNIT
AD	ACCESS DOOR, AIR DRYER
ADJ	ADJUSTABLE
AF	AIR FILTER
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPERES INTERRUPTING CAPACITY
AL	ALUMINUM
ALT	ALTERNATE
AMB	AMBIENT
ANOD	ANODIZED
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AP	ACCESS PANEL, ALARM PANEL
APD	AIR PRESSURE DROP
ARCH	ARCHITECT, ARCHITECTURAL
ARI	AMERICAN REFRIGERATION INSTITUTE
AS	AIR SEPARATOR
ASHRAE	AMERICAN SOCIETY OF HEATING AND REFRIGERATION AND AIR CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ATP	AUTOMATIC TRAP PRIMER
ATS	AUTOMATIC TRANSFER SWITCH
ATT(S)	ATTENUATOR(S)
AUTO	AUTOMATIC
AUX	AUXILIARY
AV	AREA VALVE, ACID VENT
AVG	AVERAGE
AVTR	ACID VENT THRU ROOF
AW	ACID WASTE
AWS	AMERICAN WELDING SOCIETY
AWWA	AMERICAN WATER WORKS ASSOCIATION
BC	BELOW COUNTER
BFD	BOILER FEED DEAREATOR
BFP	BOILER FEED PUMP, BACKFLOW PREVENTER
BFV	BOILER FEED VALVE
BFW	BOILER FEED WATER
BH	BOX HYDRANT
BLDG	BUILDING
BM	BEAM, BENCH MARK
BOB	BOTTOM OF BEAM
BOF	BOTTOM OF FOOTING
BOH	BOTTOM OF HUB
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STRUCTURE
BOT	BOTTOM
BKT	BRACKET
BS	BLACK STEEL
BSMT	BASEMENT
BT	BATH TUB, BREAK TANK
BV	BUTTERFLY VALVE, BALL VALVE, BALANCING VALVE
BWV	BACKWATER VALVE
C	CELSIUS, CONDUIT
CA	CONTROL AIR, COMPRESSED AIR
CAB	CABINET
CB	CATCH BASIN
CC	CENTER TO CENTER
CD	CEILING DIFFUSER
CDP	CONDENSER WATER PUMP
CDR	CONDENSER WATER RETURN
CDS	CONDENSER WATER SUPPLY
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CG	CEILING GRILL
CH	CHILLER
CHP	CHILLED WATER PUMP
CHS	CHILLED WATER SUPPLY
CHV	CHECK VALVE
CI	CAST IRON
CIP	CAST IN PLACE
CIRC	CIRCULATING
CL,	CENTER LINE
CLG	CEILING
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
CHR	CHILLED WATER RETURN
COL	COLUMN
COMB	COMBINATION
COMP	COMPRESSOR
CONC	CONCRETE, CONCENTRIC
COND	CONDENSER, CONDENSATE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS, CONTROLLER, CONTINUATION
CONTR	CONTRACTOR
CONV	CONVERTER
CORR	CORRIDOR
CO2	CARBON DIOXIDE
CPI	CAST IRON PIPE INSTITUTE
CPVC	CHLORINATED POLYVINYL CHLORIDE
CPUC	CPU CHILLER
CR	CONSTANT VOLUME REHEAT, CONDENSATE RETURN
CRAC	COMPUTER ROOM A/C UNIT
CRT	CATHODE RAY TUBE
CRU	CONDENSATE RETURN UNIT
CSS	CLINICAL SERVICE SINK
CT	COOLING TOWER
CTR	CENTER
CU	COPPER
CU FT	CUBIC FEET
CV	CAPACITY INDEX
CV	CONTROL VALVE, CHECK VALVE
CW	COLD WATER
CVRH	CONSTANT VOLUME REHEAT
D	DEPTH, DRAIN
DB	DECIBEL
DB	DRY BULB
DBL	DOUBLE
DC	DIRECT CURRENT, DOUBLE DUCT CONSTANT VOLUME
DD	DECK DRAIN, DOUBLE DUCT
DDC	DIRECT DIGITAL CONTROL
DEG	DEGREE
DEP	DEIONIZED WATER PUMP
DEPT	DEPARTMENT
DESIG	DESIGNATION
DET	DETAIL
DF	DRINKING FOUNTAIN
DI	DUCTILE IRON, DRAIN INLET, DEIONIZED WATER
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DIR	DEIONIZED WATER RETURN
DIS	DEIONIZED WATER SUPPLY
DISC	DISCONNECT
DIST	DISTRIBUTION
DIV	DIVISION
DL	DOOR LOUVER
DMH	DRAIN MANHOLE
DN	DOWN
DP	DIFFERENTIAL PRESSURE
DPR	DAMPER
DS	DOUBLE SUCTION, DOWN SPOUT
DV	DOUBLE DUCT VAV
DW	DISHWASHER, DISTILLED WATER
DWC	DRINKING WATER COOLER
DWG	DRAWING
DWH	DOMESTIC WATER HEATER
DWP	DOMESTIC WATER PUMP
DWR	DRINKING WATER RETURN
DWS	DRINKING WATER SUPPLY
DX	DIRECT EXPANSION
DXFC	DIRECT EXPANSION FAN COIL UNIT
E	EAST
(E)	EXISTING
EA	EACH
EAT	ENTERING AIR TEMPERATURE

EC	ELECTRICAL CONTRACTOR
ECC	ECCENTRIC
EDB	ENTERING DRY BULB
EF	EXHAUST FAN
EJ	EXPANSION JOINT
EL	ELEVATION, EXPANSION LOOP
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
ENGR	ENGINEER
EPA	ENVIRONMENTAL PROTECTION AGENCY
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ES	END SUCTION
ET	EXPANSION TANK
ETR	EXISTING TO REMAIN
EVAC	EVACUATION PUMP
EUH	ELECTRIC UNIT HEATER
EVAP	EVAPORATOR
EW	EACH WAY
EWB	ENTERING WET BULB
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
EX	EXPLOSION PROOF
EXCV	EXCAVATE, EXCAVATION
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
EXPD	EXPOSED
EXT	EXTERNAL
F	FAHRENHEIT, FAN, FIRE, FEMALE
F TO F	FACE TO FACE
F & E	FURNITURE & EQUIPMENT
FA	FIRE ALARM
FAB(D)	FABRICATE(D)
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FCO	FLOOR CLEAN OUT
FCS	FLOOR CONTROL STATION
FCU	FAN COIL UNIT
FCVA	FLOOR CONTROL VALVE ASSEMBLY
FD	FIRE DAMPER, FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FDS	FIRE DEPARTMENT SIAMESE
FDV	FIRE DEPARTMENT VALVE
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINAL FILTER, FINISHED FLOOR
FFE	FINISHED FLOOR ELEVATION
FG	FINISHED GRADE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK
FHV	FIRE HOSE VALVE
FIN	FINISH
FIXT	FIXTURE
FL	FLOW LINE
FLA	FULL LOAD AMPERES
FLEX	FLEXIBLE
FLR	FLOOR
FM	FACTORY MUTUAL
FO	FUEL OIL
FOP	FUEL OIL PUMP
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VALVE
FP	FAN POWERED MIXING BOX, FIRE PUMP
FPC	FIRE PUMP CONTROLLER
FPD	FLAT PANEL DISPLAY
FPT	FEMALE PIPE THREAD
FR	FLOOR REGISTER
FRM	FRAME
FRZR	FREEZER
FS	FUSED SWITCH, FLOW SWITCH, FIRE SPRINKLER, FLOOR SINK
FSCP	FIRE SUPPRESSION CONTROL PANEL
FT	FOOT, FEET
FTG	FOOTING
FTR	FINNED TUBE RADIATION
FURN	FURNITURE
FURND	FURNISHED
FUT	FUTURE
FVC	FIRE VALVE CABINET
FVNR	FULL-VOLTAGE, NON-REVERSING
FVR	FULL-VOLTAGE, REVERSING
G	GAS
GA	GAGE
GAL	GALLON
GALV	GALVANIZED
GB	GRADE BEAM
GC	GENERAL CONTRACTOR
GCO	GRADE CLEAN OUT
GEN	GENERATOR
GKT	GASKET
GL	GLASS
GLV	GLOBE VALVE
GND	GROUND
GOVT	GOVERNMENT
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	GRILLE
GRD	GRADE
GRV	GRAVITY ROOF VENT
GSH	GRAND SENSIBLE HEAT
GTH	GRAND TOTAL HEAT
GV	GATE VALVE
GW	GREASE WASTE
H	HIGH, HEIGHT, HUMIDIFIER
H-O-A	HAND-OFF-AUTOMATIC
H STAT	HUMIDISTAT/SENSOR
HB	HOSE BIBB
HC	HEATING COIL
HD	HEAD, HUB DRAIN, HEAT DETECTOR
HE	HEAT EXCHANGER
HGR	HANGER
HKP	HOUSEKEEPING PAD
HND D	HAND DRYER
HORIZ	HORIZONTAL
HP	HORSEPOWER, HIGH PRESSURE
HPT	HIGH POINT
HR	HOUR, HOT WATER RETURN
HS	HOT WATER SUPPLY
HSC	HORIZONTAL SPLIT CASE
HSTM	HIGH PRESSURE STEAM
HSZBT	HORIZONTAL, SINGLE-ZONE, BLOW-THRU
HSZDT	HORIZONTAL, SINGLE-ZONE, DRAW-THRU
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HUH	HOT WATER/GAS UNIT HEATER
HVAC	HEATING, VENTILATING & AIR CONDITIONING
HVU	HEATING AND VENTILATING UNIT
HW	HOT WATER
HWB	HOT WATER BOILER
HWC	HOT WATER CIRCULATOR
HWP	HEATING WATER PUMP
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HZ	HERTZ
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IG	IRRIGATION
IF	INTERMITTENT FAN VAV
IN	INCH
INCAND	INCANDESCENT
INC	INCLUDE, INCLUSIVE
INSUL	INSULATE, INSULATION
INT	INTERNAL, INTERIOR
INV	INVERT
IPS	IRON PIPE SIZE
JAN	JANITOR
JB	JUNCTION BOX
JP	JOCKEY PUMP
JPC	JOCKEY PUMP CONTROLLER
JS	JANITOR SINK
JST	JOIST
JT	JOINT
KEC	KITCHEN EQUIPMENT CONTRACTOR

KIT	KITCHEN
KO	KNOCKOUT
KVA	KILOVOLT-AMPS
KW	KILOWATTS
KWH	KILOWATT-HOUR
L	LENGTH, LONG, LAVATORY
LA	LAB AIR
LAC	LAB AIR COMPRESSOR
LAB	LABORATORY
LAV	LAVATORY
LAT	LEAVING AIR TEMPERATURES, LATENT
LB(S)	POUND(S)
LCD	LIQUID CRYSTAL DISPLAY
LD	LINEAR DIFFUSER
LDB	LEAVING DRY BULB
LED	LIGHT EMITTING DIODE
LF	LINEAR FEET
LG	LAB GAS OUTLET
LH	LEFT HAND
LOC	LOCATION, LIMIT OF CONSTRUCTION
LP	LOW PRESSURE
LPT	LOW POINT
LRA	LOCKED ROTOR AMPS
LSTM	LOW PRESSURE STEAM
LTG	LIGHTING
LV	LAB VACUUM
LVL	LEVEL
LVP	LABORATORY VACUUM PUMP
LW	LAUNDRY LINT WASTE
LWB	LEAVING WET BULB
LWCO	LOW WATER CUT OFF
LWT	LEAVING WATER TEMPERATURE
M	METER, MALE, MEN
MA	MEDICAL AIR
MAC	MEDICAL AIR COMPRESSOR
MAP	MASTER ALARM PANEL
MAX	MAXIMUM
MBH	THOUSANDS OF BTU'S
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
M/E/P	MECHANICAL/ ELECTRICAL/ PLUMBING
MEZZ	MEZZANINE
MFR	MANUFACTURER
MG	MEDICAL GAS OUTLET
MH	MANHOLE
MI	MALLEABLE IRON
MIN	MINIMUM
MISC	MISCELLANEOUS
ML	MATCH LINE
MON	MONITOR SWITCH
MP	MEDIUM PRESSURE
MPT	MALE PIPE THREAD
MS	MONITOR SWITCH
MSB	MAIN SWITCHBOARD
MSGR	MAIN SWITCHGEAR
MSTM	MEDIUM PRESSURE STEAM
MTD	MOUNTED
MTG	MOUNTING
MU	MAKE-UP
MV	MEDICAL VACUUM
MVA	MEGA VOLT-AMPS
MVD	MANUAL VOLUME DAMPER
MVP	MEDICAL VACUUM PUMP
MZU	MULTI-ZONE UNIT
N	NORTH, NITROGEN
(N) NEW	
NA	NOT ACCEPTABLE
NAT	NATURAL
NC	NOISE CRITERIA
N.C.	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NF	NON-FUSED
NFS	NON-FUSED SWITCH
NIC	NOT IN CONTRACT
NO	NUMBER
N.O.	NORMALLY OPEN
NOM	NOMINAL
NTS	NOT TO SCALE
O	OXYGEN
OA	OUTSIDE AIR
OAF	OUTSIDE AIR FAN
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
OCEW	ON CENTER EACH WAY
OD	OUTSIDE DIAMETER
OFF	OFFICE
OH	OVERHEAD
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OS&Y	OUTSIDE STEM & YOLK
OZ	OUNCE
P	PUMP, POLE, PLUMBING EQUIPMENT
PB	PUSH-BUTTON
PC	PLUMBING CONTRACTOR, PERSONAL COMPUTER
PCR	PUMPED CONDENSATE RETURN
PCHP	PRIMARY CHILLED WATER PUMP
PCHR	PRIMARY CHILLED WATER RETURN
PCHS	PRIMARY CHILLED WATER SUPPLY
PCW	PUMPED COLD WATER
PD	PRESSURE DROP
PEND	PENDANT
PERF	PERFORATED
PH	PHASE
PHWP	PRIMARY HEATING WATER PUMP
PHWR	PRIMARY HEATING WATER RETURN
PHWS	PRIMARY HEATING WATER SUPPLY
PIV	POST INDICATOR VALVE
PKG	PACKAGE, PARKING
PL	PILOT LIGHT
PLUMB	PLUMBING
PNEU	PNEUMATIC
PNL	PANEL
PNTH	PENTHOUSE
PP	POLY PROPYLENE
PPM	PARTS PER MILLION
PR	PAIR, PRINTER
PRES	PRESSURE
PRI	PRIMARY
PRJ	PROJECTOR
PROJ	PROJECT
PROP	PROPERTY
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PT	PLUMBING TRIM
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE
PVDF	POLYVINYLIDENE FLUORIDE
PVMT	PAVEMENT
PW	PROCESS WASTE
PWR	POWER
QTY	QUANTITY
R	RISER
(R)	RELOCATE
R&D	REMOVE & DISPOSE
RA	RETURN AIR
RAD	REFRIGERATED AIR DRYER
RAF	RETURN AIR FAN
RAG	RETURN AIR GRILLE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RE:	REFERENCE, REFER
REC	RECESSED
RECIRC	RECIRCULATE, RECIRCULATING
RECPT	RECEPTACLE
RED	REDUCER
REFR	REFRIGERATOR
REG	REGISTER

REINF	REINFORCED, REINFORCING
REQD	REQUIRED
REV	REVISION, REVISED
RH	RELATIVE HUMIDITY
RHG	REFRIGERANT HOT GAS
RIC	ROUGH-IN AND CONNECT
RIO	ROUGH-IN ONLY
RKVA	RUNNING KVA
RKW	RUNNING KW
RL	REFRIGERANT LIQUID
RLA	RUNNING LOAD AMPS
RM	REFRIGERATION MACHINE, ROOM
RND,~	ROUND
RO	ROUGH OPENING, REVERSE OSMOSIS
ROW	RIGHT OF WAY
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
RTAH	ROOFTOP AIR HANDLING UNIT
RTU	ROOFTOP UNIT
RV	RELIEF VALVE
RVS	REVERSE
S	SOUTH, SUPPLY, SINK
SA	SUPPLY AIR, SHOP AIR, SOUND ATTENUATOR
SAD	SUPPLY AIR DIFFUSER
SAF	SUPPLY AIR FAN
SC	STEAM CONVERTER
SCHED	SCHEDULE(D)
SCHP	SECONDARY CHILLED WATER PUMP
SCR	SILICON CONTROLLED RECTIFIER
SCW	SOFTENED COLD WATER
SD	SMOKE DETECTOR
SE	SEWAGE EJECTOR
SEC	SECONDARY
SECT	SECTION
SENS	SENSIBLE
SERV	SERVICE
SF	SQUARE FEET
SH	SHOWER
SHR	SHOWER
SHT	SHEET
SHWP	SECONDARY HEATING WATER PUMP
SHWR	SECONDARY HEATING WATER RETURN
SHWS	SECONDARY HEATING WATER SUPPLY
SIM	SIMILAR
SK	SINK
SL	SLOPE
SKVA	STARTING KVA
SKW	STARTING KW
SP	STATIC PRESSURE, SUMP PUMP
SPEC	SPECIFICATION, SPECIFIED
SPF	STAIR PRESSURIZATION FAN
SPKLK	SPRINKLER
SQ	SQUARE
SQ IN	SQUARE INCHES
SRF	SMOKE REMOVAL FAN
SS	STOP-START PUSH-BUTTON, STAINLESS STEEL
SSSC	SOLID STATE SPEED CONTROL
SSD	SUBSURFACE DRAIN
SST	STAINLESS STEEL
ST	SOUND TRAP, STEAM TRAP, SURGE TANK
STA	STATION
STAP	SURGE TANK ALARM PANEL
STB	STEAM BOILER
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STM	STEAM
STOR	STORAGE
STR	STRAINER
STRUC	STRUCTURE, STRUCTURAL
SURF	SURFACE
SUSP	SUSPENDED
SV	SANITARY VENT
SW	SWITCH, SOFTENED WATER
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SWR	SIDE WALL REGISTER
SYM	SYMMETRICAL
SYS	SYSTEM
T&P	TEMPERATURE & PRESSURE
T STAT	THERMOSTAT/SENSOR
TC	TEMPERATURE CONTROL
TCC	TEMPERATURE CONTROL COMPRESSOR
TD	TRENCH DRAIN
TDH	TOTAL DYNAMIC HEAD
TF	TRANSFER FAN
TEMP	TEMPORARY
TH BLK	THRUST BLOCK
THK	THICK
TK	TANK
TOC	TOP OF CURB
TOF	TOP OF FOOTING
TOIL	TOILET
TOS	TOP OF SLAB
TOT	TOTAL
TP	TRAP PRIMER, TOTAL PRESSURE
TR	TRENCH
TRD	THREAD, THREADED
TS	TAMPER SWITCH
TU	TERMINAL UNIT
TW	TREATED WATER, TEMPERED WATER
TXV	THERMAL EXPANSION VALVE
TYP	TYPICAL
2S-1W	TWO-SPEED, ONE WINDING
2S-2W	TWO-SPEED, TWO WINDING
U/F	UNDERFLOOR
U/S	UNDERSLAB
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITER'S LABORATORIES, INC.
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLT, VENT
V/D	VOICE/DATA
VA	VOLT-AMPERE, VARIABLE
VAC	VACUUM, VOLTS AC
VAV	VARIABLE AIR VOLUME
VB	VACUUM BREAKER
VD	VOLUME DAMPER
VEL	VELOCITY
VERT	VERTICAL
VEST	VESTIBULE
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
VP	VACUUM PUMP
VR	VARIABLE AIR VOLUME REHEAT
VSZBT	VERTICAL SINGLE ZONE BLOW THRU
VSZDT	VERTICAL SINGLE ZONE DRAW THRU
W	WATT, WIDTH, WASTE, WEST, WIRE, WOMEN
W/	WITH
W/O	WITHOUT
WB	WET BULB
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WATER HEATER, WALL HYDRANT
WM	WATER METER
WP	WEATHERPROOF
WPD	WATER PRESSURE DROP
WS	WATER SOFTENER
WT	WATERTIGHT, WEIGHT
WWF	WELDED WIRE FABRIC
XFMR	TRANSFORMER
XP	EXPLOSION PROOF
Z	ZONE
ZV	ZONE VALVE

ELECTRICAL SYMBOLS

(ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS)

ONE LINE/RISER DIAGRAMS

- TRANSFORMER, TYPE AND RATINGS AS NOTED
- 800A/3P — SWITCH, RATING AS SHOWN
- 400A — FUSE, RATING AS SHOWN
- 225A/3P — CIRCUIT BREAKER, RATINGS AS SHOWN, 3 POLE UNLESS NOTED OTHERWISE
- 2000A|3P — DRAWOUT CIRCUIT BREAKER, RATINGS AS SHOWN, 3 POLE UNLESS NOTED OTHERWISE
- ST — SHUNT TRIP
- GFR — GROUND FAULT RELAY
- K — KIRK-KEY INTERLOCK
- A 0-2000 — AMMETER, RANGE AS SHOWN
- AS — AMMETER SWITCH
- V 0-600 — VOLTMETER, RANGE AS SHOWN
- VS — VOLTMETER SWITCH
- M — FULL FUNCTION METER
- 1200|5 — CURRENT TRANSFORMER, RATED AS SHOWN
- 12.47KV|120V — POTENTIAL TRANSFORMER, RATING AS SHOWN
- GROUND CONNECTION
- LIGHTNING ARRESTOR
- G — GENERATOR SET
- AUTOMATIC TRANSFER SWITCH
- HOA OR SS AS NOTED

LIGHTING/SWITCHES

- X — EXIT SIGN, ARROWS AS INDICATED, LETTER DENOTES TYPE
- A — LIGHTING FIXTURE, LETTER DENOTES TYPE
- A — LIGHTING FIXTURE ON EMERGENCY / LIFE SAFETY, LETTER DENOTES TYPE
- A — LIGHTING FIXTURE ON CRITICAL
- $* — WALL SWITCH
  - * = "3" DENOTES THREE WAY
  - = "4" DENOTES FOURWAY
  - = "M" DENOTES OCCUPANCY SENSOR
  - = "T" TIME CONTROL
- DIMMER WALL SWITCH
  - = "M" DENOTES OCCUPANCY SENSOR
- 1D 1N E NB TS — ROOM/SPACE LIGHTING ZONE CONTROL

REFER TO LIGHTING CONTROL DETAIL FOR MORE INFORMATION

- 1D = # OF DIMMING RELAYS
- 1N = # OF NON-DIMMING RELAYS
- E = UL924 EMERGENCY POWER OVERRIDE
- NB = NETWORKED
- TS = TIME SWITCH CONTROL

- RP — RELAY PACK
- PC — PHOTOCELL
- M — MOTION SENSOR
- PP — POWER PACK
- SYMBOL WITH BRACKET = WALL MOUNTED DEVICE

RECEPTACLES/OUTLETS

- SIMPLEX WALL RECEPTACLE
- NEW DUPLEX WALL RECEPTACLE, DOT INDICATES ABOVE COUNTER OR AT NON-STANDARD HEIGHT, REFER TO ARCHITECTURAL ELEVATIONS
- DUPLEX WALL RECEPTACLE ON EMERGENCY CIRCUIT, RED COLOR
- DUPLEX WALL RECEPTACLE ON A CIRCUIT DEDICATED TO DATA PROCESSING, GRAY COLOR. PROVIDE ISOLATED GROUND TYPE RECEPTACLES WHERE NOTED WITH IG.
- WP — DUPLEX WALL RECEPTACLE
  - "WP" = WEATHERPROOF "WR" = WEATHER RESISTANT
  - "TR" = TAMPER RESISTANT "GFCI" = GFCI TYPE OUTLET
- QUADPLEX WALL RECEPTACLE
- SPECIAL RECEPTACLE, NEMA CONFIGURATION AS NOTED
- DUPLEX RECEPTACLE FLUSH IN CEILING
- PA — FLOOR OUTLET, "P" = POKE-THRU, "F" = FLUSH, "A" = TYPE WHERE APPLICABLE
- MULTI-OUTLET SURFACE RACEWAY
- J — JUNCTION BOX
- DIRECT CONNECTION TO EQUIPMENT
- P — PULL BOX (OVER 4" SQUARE)

COMMUNICATIONS/SECURITY

- S — PAGING HORN
- M — PAGING SYSTEM MICROPHONE
- PATC — PAGING SYSTEM TERMINAL CABINET
- C — CLOCK OUTLET, SIMPLEX, RE: SPECS
- ICM — INTERCOM MASTER STATION
- ICS — INTERCOM STAFF STATION
- ICP — INTERCOM EQUIPMENT PANEL
- S — CEILING MOUNTED SPEAKER
- CR — ROUGH-IN FOR SECURITY CARD READER, RE: SECURITY DRAWINGS.
- ROUGH-IN FOR SECURITY CAMERA, RE: SECURITY DRAWINGS.
- ROUGH-IN FOR DATA OUTLET, RE: TELECOM DRAWINGS.
- W — ROUGH-IN FOR VOICE OUTLET, RE: TELECOM DRAWINGS. W = DENOTES WALL PHONE
- ROUGH-IN FOR VOICE/DATA OUTLET, RE: TELECOM DRAWINGS.
- WAP — ROUGH-IN FOR WIRELESS ACCESS POINT OUTLET, RE: TELECOM DRAWINGS.

NURSE CALL

- EP — EMERGENCY PULL CORD STATION (PULL CORD TO EXTEND WITHIN 6" A.F.F.)
- SP — SINGLE PATIENT STATION
- CB — CODE BLUE
- DS — DUTY STATION
- C — DOME LIGHT (C INDICATES CEILING MOUNTED)
- Z — ZONE LIGHT
- NCT — NURSE CALL TERMINAL CABINET
- NCMS — NURSE CALL MASTER STATION
- SS — AUDIO STAFF STATION

FIRE ALARM

- FACP FACP — FIRE ALARM CONTROL PANEL (FLUSH|SURFACE)
- FAAP FAAP — FIRE ALARM REMOTE ANNUNCIATOR (FLUSH|SURFACE)
- FAPS — FIRE ALARM POWER SUPPLY
- AV — FIRE ALARM AUDIO VISUAL SIGNAL, WALL MOUNTED
- V — FIRE ALARM VISUAL SIGNAL, WALL MOUNTED
- A — FIRE ALARM AUDIO SIGNAL, WALL MOUNTED
- A — FIRE ALARM AUDIO, CEILING MOUNTED
- V — FIRE ALARM VISUAL STROBE, CEILING MOUNTED
- AV — FIRE ALARM AUDIO VISUAL SIGNAL, CEILING MOUNTED
- H — HEAT DETECTOR
- S — AREA SMOKE DETECTOR
- S L — AREA SMOKE DETECTOR WITH LOCAL ALARM
- D RA — RETURN AIR DUCT SMOKE DETECTOR
- D SA — SUPPLY AIR DUCT SMOKE DETECTOR
- RI — SMOKE DETECTOR REMOTE INDICATOR STATION
- J — FIREFIGHTER'S COMMUNICATION JACK
- H — STAIRWAY EMERGENCY TELEPHONE
- ES — ELEVATOR LOBBY EMERGENCY SIGN
- F — FIRE ALARM MANUAL PULL STATION
- FJ — FIRE ALARM MANUAL PULL STATION WITH FIREMAN'S JACK
- WF — SPRINKLER WATER FLOW SWITCH
- VS — VALVE SUPERVISORY SWITCH
- DH — MAGNETIC DOOR HOLDER
- ELECTRIC DOOR LOCK
- IM — FIRE ALARM ADDRESSABLE INPUT MODULE
- OM — FIRE ALARM ADDRESSABLE OUTPUT MODULE
- R — FIRE ALARM AUXILIARY RELAY
- HCP — HALON CONTROL PANEL
- ASD — AIR SAMPLING-TYPE DETECTION SYSTEM

ELECTRICAL EQUIPMENT/CIRCUITING

- DISTRIBUTION PANEL
- SWITCHBOARD OR MOTOR CONTROL CENTER
- NEW PANELBOARD (FLUSH|SURFACE MOUNT)
- EXISTING PANELBOARD
- DRY-TYPE TRANSFORMER
- ATS — AUTOMATIC TRANSFER SWITCH
- PLYWOOD TERMINAL BOARD, TYPE AS NOTED, 4' X 8' X 3/4", UNLESS NOTED OTHERWISE
- TERMINAL CABINET (FLUSH|SURFACE MOUNT),TYPE AS NOTED, 24"x48"x3 1/2", UNLESS NOTED OTHERWISE.
- BAT — BATTERY/INVERTER UNIT
- CIRCUIT CONCEALED IN WALL OR CEILING
- CONDUIT CAST IN CONCRETE OR BELOW SLAB
- EXPOSED CONDUIT
- CONDUIT TURNED UP
- CONDUIT TURNED DOWN
- HASH MARKS INDICATE NUMBER OF CONDUCTORS PHASE|NEUTRAL|SWITCH LEG|GROUND LEFT TO RIGHT. NO HASH MARKS INDICATES 2#12, UNLESS OTHERWISE NOTED.
- 1LA-2,4 — HOMERUN TO PANEL WITH CIRCUIT NUMBER(S) AS INDICATED.
- 1LA-6 — PARTIAL CIRCUIT HOMERUN TO PANEL
- T — COMMUNICATIONS CONDUIT OR CABLE. "V" DENOTES VOICE, "D" DENOTES DATA, "I" DENOTES INTERCOM, "PA" DENOTES PAGING, "S" DENOTES SECURITY, "FA" DENOTES FIRE ALARM
- UNDERGROUND ELECTRIC CONDUIT, 600V OR LESS
- UGS — UNDERGROUND SECONDARY DUCTBANK, LESS THAN 600V
- OHS — OVERHEAD SECONDARY LINES, LESS THAN 600V
- UGP — UNDERGROUND PRIMARY DUCTBANK, GREATER THAN 600V
- OHP — OVERHEAD PRIMARY LINES, GREATER THAN 600V
- DENOTES EMERGENCY LIGHTING CIRCUIT
- DENOTES LOW VOLTAGE WIRING
- SINGLE OR THREE PHASE MOTOR
- ELECTRIC DUCT HEATER
- DISCONNECT (SAFETY) SWITCH "200/3/150" DENOTES AMPERES/POLE/FUSE, "NF" DENOTES NON-FUSED
- ENCLOSED CIRCUIT BREAKER
- MOTOR STARTER
- MOTOR STARTER FURNISHED WITH EQUIPMENT
- COMBINATION DISCONNECT (SAFETY) SWITCH AND MOTOR STARTER, "30/3/15/#0" DENOTES AMPERES/POLES/FUSE/ STARTER SIZE, "NF" DENOTES NON-FUSED.
- COMBINATION DISCONNECT (SAFETY) SWITCH AND MOTOR STARTER FURNISHED WITH EQUIPMENT
- MS — MANUAL MOTOR STARTING WITH THERMAL OVERLOAD
- TS — MOTOR-RATED TOGGLE SWITCH
- PP — POWER POLE
- PUSH BUTTON
- PUSH PLATE
- DC — DOOR CONTACT SWITCH

PANEL DESIGNATIONS

N 2 H DP1 -3

SYSTEM TYPE:

- "N" = NORMAL POWER
- "S" = OPTIONAL STANDBY
- "E" = EMERGENCY
- "G" = GENERATOR
- "U" = UPS

PANEL LOCATED:

= FLOOR OR AREA - [1,2,3,4,5,6,PH]

VOLTAGE:

- "H" = 480Y/277V
- "L" = 208Y/120V

EQUIPMENT TYPE:

- "DP" = DISTRIBUTION PANEL
- "SG" = SWITCHGEAR
- "SB" = SWITCHBOARD
- BLANK = PANELBOARD

PANEL SEQUENCE:

or LETTER = [1,2,3,...], [A,B,C,...]

VOLTAGE DROP TABLE

Single Phase	Circuit Breaker	Distance in FEET 50 FT	100 FT	150 FT	200 FT	300 FT
120V	20A	12 AWG	10 AWG	8 AWG	6 AWG	4 AWG
208V	20A	12 AWG	12 AWG	10 AWG	8 AWG	6 AWG
	30A	10 AWG	10 AWG	8 AWG	6 AWG	4 AWG
277V	20A	12 AWG	12 AWG	10 AWG	10 AWG	8 AWG

Three Phase	Circuit Breaker	Distance in FEET 50 FT	100 FT	150 FT	200 FT	300 FT
208V	20A	12 AWG	12 AWG	10 AWG	8 AWG	6 AWG
	30A	10 AWG	10 AWG	8 AWG	6 AWG	6 AWG
480V	20A	12 AWG	12 AWG	12 AWG	10 AWG	10 AWG
	30A	10 AWG	10 AWG	10 AWG	10 AWG	8 AWG

1. Ground shall be same size as condutor.
2. Conduit shall be sized for 40% fill per the NEC.
3. Drops to equipment shall be #12AWG for 20A circuits and #10 AWG for 30A circuits. Keep drops as short as possible.
4. Refer to specification and the drawings for branch circuits not shown on this table. If the wire size is not shown on the drawings size the branch circuit per the specification requirements.

GENERAL NOTES

A. ALL ELECTRICAL WORK SHALL COMPLY WITH APPLICABLE STATE & LOCAL BUILDING CODES & REQUIREMENTS.

B. REFER TO THE SPECS FOR MATERIALS & METHODS FOR ELECTRICAL CONSTRUCTION.

C. REFER TO THE SPECS FOR SUBMITTAL REQUIREMENTS.

D. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE & FAMILIARIZE THEMSELF WITH EXISTING CONDITIONS WHICH WILL IMPACT CONSTRUCTION OF THIS PROJECT, PRIOR TO SUBMITTING BIDS.

E. RE: ARCHITECTURAL REFLECTED CEILING PLANS FOR THE EXACT LOCATION OF ALL CEILING MOUNTED DEVICES.

F. RE: ARCHITECTURAL INTERIOR ELEVATIONS, IF PROVIDED FOR LOCATIONS OF WALL MOUNTED DEVICES.

G. FURNISH ACCESS DOORS FOR INSTALLATION BY THE GENERAL CONTRACTOR WHERE ACCESS SREQUIRED TO CONCEALED ELECTRICAL EQUIPMENT.

H. ALL REQUIRED HVAC CONTROL WIRING & EQUIPMENT SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR.

I. ALL WIRING SHALL BE MINIMUM 2#12, #12G, 3/4"C, UNLESS NOTED OR SHOWN ON THE DRAWINGS OTHERWISE. REFER TO SPECIFICATIONS FOR REQUIREMENTS TO INCREASE WIRE SIZE FOR DISTANCES OVER 50 FEET FOR 120 VOLT AND 100 FEET FOR 277 VOLT.

J. COORDINATE ALL SLAB PENETRATIONS WITH THE STRUCTURE ENGINEER AND OBTAIN WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER PRIOR TO CORE DRILLING. ALL RATED PARTITION PENETRATIONS SHALL BE SEALED WITH A UL-LISTED FIRE SAFING SYSTEM, IN ACCORDANCE WITH APPLICABLE STATE AND LOCAL REQUIREMENTS.

K. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARLY IDENTIFYING IN ALL PANEL DIRECTORIES EACH CIRCUIT'S USE PER NEC 408.4.

LIGHTING FIXTURE CIRCUITING NOTES:

A. THE LIGHTING PLANS INDICATE SWITCHING AND BRANCH CIRCUIT NUMBERS FOR ALL LIGHTING FIXTURES. LOWER CASE LETTERS AT SWITCHES AND LIGHT FIXTURES INDICATE SWITCHING WHERE THE CONTROL PATTERN IS NOT OBVIOUS. INSTALL BRANCH CIRCUIT WIRING IN A RACEWAY TO ALL RIGIDLY ATTACHED LIGHT FIXTURES AND TO JUNCTION BOXES FOR ALL LAY-IN LIGHT FIXTURES, AS REQUIRED TO PROVIDE SWITCHING AND CIRCUITING AS SHOWN ON THE DRAWINGS. RE: SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

B. CONDUITS CONTAINING BRANCH CIRCUITS SHALL BE LIMITED TO THREE PHASE CONDUCTORS (ON DIFFERENT PHASES), ONE NEUTRAL CONDUCTOR PER PHASE, AND ONE GROUND CONDUCTOR. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE INSTALLED IN CONDUIT. SEPARATE NEUTRAL CONDUCTORS SHALL BE PROVIDED FOR EACH PHASE.

C. ALL LAY-IN LIGHTING FIXTURES SHALL BE CONNECTED TO A BRANCH CIRCUIT JUNCTION BOX WITH A FLEXIBLE FIXTURE TAIL, RE: SPECIFICATIONS. A MAXIMUM OF FOUR FIXTURE TAILS SHALL BE CONNECTED TO A SINGLE JUNCTION BOX. FIXTURE TO FIXTURE WIRING OF LAY-IN LIGHTING FIXTURES IS NOT PERMITTED.

POWER PLAN CIRCUITING NOTES:

A. THE POWER PLANS INDICATE BRANCH CIRCUIT NUMBERS FOR ALL RECEPTACLES. WHERE BRANCH CIRCUIT WIRING IS NOT SHOWN, INSTALL BRANCH CIRCUIT WIRING IN A RACEWAY, AS REQUIRED TO PROVIDE CIRCUITING AS SHOWN ON THE DRAWINGS. RE: SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

B. CONDUITS CONTAINING BRANCH CIRCUITS SHALL BE LIMITED TO THREE PHASE CONDUCTORS (ON DIFFERENT LIMITED TO THREE PHASE CONDUCTORS (ON DIFFERENT PHASES), ONE NEUTRAL CONDUCTOR PER PHASE, AND ONE GROUND CONDUCTOR. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE INSTALLED IN CONDUIT. SEPARATE NEUTRAL CONDUCTORS SHALL BE PROVIDED FOR EACH PHASE.

TELECOM, AV, AND SECURITY NOTES:

A. REFER TO APPLICABLE SERIES DRAWINGS FOR ALL REQUIRED DIVISION 26 RELATED WORK PERTAINING TO THE TELECOMMUNICATIONS, AUDIO/VIDEO, AND SECURITY SYSTEM SYSTEMS. REFER TO APPLICABLE SPECIFICATIONS AS NOTED ON THESE DRAWINGS FOR ADDITIONAL REQUIRED DIVISION 26 RELATED WORK. REQUIRED DIVISION 26 WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, THE INSTALLATION OF BACK BOXES, SPECIALTY BACK BOXES, VOICE/DATA OUTLET ROUGH-INS, CONDUITS, CABLE TRAYS, CONDUIT SLEEVES, FLOOR BOXES, GROUNDING SYSTEM COMPONENTS, CARD READER ROUGH-INS, DOOR POSITION SWITCH ROUGH-INS, ELECTRIC POWER TRANSFER ROUGH-INS, CAMERA ROUGH- INS, ETC. THE EXACT LOCATIONS AND REQUIREMENTS OF SUCH WORK SHALL BE COORDINATED WITH THE APPLICABLE DIVISION.

LIGHTING CONTROL FUNCTIONAL TESTING (**IECC 2015 COMMISSIONING**):

ALL PROJECT LIGHTING CONTROLS SHALL BE FUNCTIONALLY TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF IECC 2015 BY A THIRD-PARTY COMMISSIONING AGENT HIRED BY THE CONTRACTOR OR A MANUFACTURER'S REPRESENTATIVE OF THE LIGHTING CONTROLS SYSTEMS PROVIDED. SUBMIT SIGNED AND DATED WRITTEN DOCUMENTATION TO THE ENGINEER CERTIFYING THAT ALL CONTROLS HAVE BEEN FUNCTIONALLY TESTED AS OUTLINED BELOW AND IN ACCORDANCE WITH THE REQUIREMENTS OF IECC 2015:

OCCUPANCY SENSOR LIGHTING CONTROLS

1. CONFIRM THAT SENSORS ARE AIMED PER MANUFACTURERS INSTRUCTIONS AND PROVIDE FULL SENSING COVERAGE IN THE ROOM/SPACE SENSED.
2. IF THERE ARE LESS THAN 7 SENSORS ON THE PROJECT, THEN ALL SENSORS MUST BE TESTED. IF THERE ARE MORE THAN SEVEN SENSORS ON THE PROJECT, THEN 10 PERCENT OF EACH TYPE OF SENSOR AND EACH ROOM COMBINATION SHALL BE TESTED. IF MORE THAN 30 PERCENT OF TESTED SENSORS FAIL, THEN ALL REMAINING SENSORS SHALL BE TESTED. AT LEAST ONE SENSOR OF EACH TYPE AND EACH ROOM COMBINATION SHALL BE TESTED.
3. IF SENSORS HAVE A STATUS INDICATOR, CONFIRM THAT INDICATOR OPERATES PROPERLY.
4. VERIFY THAT LIGHT FIXTURES TURN OFF AND/OR DIM DOWN WITHIN THE SPECIFIED/REQUIRED TIME PERIOD.
5. FOR AUTO-ON SENSORS, CONFIRM THE LIGHT FIXTURES TURN ON TO THE SPECIFIED/REQUIRED LIGHT LEVEL WHEN SOMEONE ENTERS THE ROOM.
6. FOR MANUAL ON SENSORS, CONFIRM THE LIGHT FIXTURES TURN ON WHEN THE ROOM/SPACE SWITCH IS ACTIVATED.
7. CONFIRM THE LIGHTING FIXTURES ARE NOT TURNED ON BY HVAC SYSTEM OPERATION.

TIME-SWITCH/TIME PROGRAM LIGHTING CONTROLS

1. CONFIRM THAT TIME SWITCH/TIME PROGRAM CONTROLS HAVE WEEKDAY, WEEKEND AND HOLIDAY SCHEDULES WITH SETTINGS AS REQUIRED BY THE TENANT.
2. PROVIDE DOCUMENTATION TO THE TENANT OF ALL PROGRAMED LIGHTING CONTROL SETTINGS.
3. CONFIRM THAT TIME SWITCH/TIME PROGRAM CONTROLS HAVE THE CORRECT TIME AND DATE.
4. CONFIRM BATTERY BACKUP IS INSTALLED AND WORKING.
5. CONFIRM THAT THE OVERRIDE SWITCH TIME LIMIT IS SET TO 2 HOURS.
6. IN TIME SWITCH/TIME PROGRAM ON CONDITION CONFIRM AND RECORD THE FOLLOWING:
a. THE TIME SWITCH/TIME PROGRAM OPERATES THE LIGHT FIXTURES IN THE ENCLOSED SPACE IN WHICH THEY CONTROL.
b. CONTROLLED LIGHT FIXTURES CAN BE SWITCHED ON AND OFF BY THEIR MANUAL OVERRIDE CONTROL SWITCH AND THE CONTROLLING LIGHT SWITCH IS LOCATED IN THE ROOM/SPACE IT CONTROLS OR IS LABELED AS TO WHAT LIGHT FIXTURES IT CONTROLS.
7. IN TIME SWITCH/TIME PROGRAM OFF CONDITION, CONFIRM AND RECORD THE FOLLOWING:
a. ALL LIGHTING CONTROLLED BY THE TIME SWITCH/TIME PROGRAM ARE OFF.
b. IF THE MANUAL OVERRIDE CONTROL SWITCH IS ACTIVATED THE LIGHT FIXTURES CONTROLLED BY THE TIME SWITCH/TIME PROGRAM TURN ON AND ONLY STAY ON UNTIL OVERRIDE ON TIME LIMIT IS REACHED OR UNTIL THE NEXT PROGRAMMED OFF PERIOD.

DAYLIGHT LIGHTING CONTROLS

1. CONFIRM THAT PHOTOCELLS ARE PROPERLY LOCATED, CALIBRATED AND SET.
2. CONFIRM THAT DAYLIGHT CONTROLLED LOADS TURN ON/OFF/DIM IN RESPONSE TO THE AMOUNT OF AVAILABLE DAYLIGHT, AS APPLICABLE.
3. CONFIRM THAT THE ABILITY TO ADJUST THE PHOTOCELL LIGHT LEVEL IS ACCESSIBLE

THESE REQUIREMENTS ARE IN ADDITION TO THE AS-BUILT RECORD DRAWING AND O&M MANUAL REQUIREMENTS OF THE OWNER AND SPECIFICATIONS.

DRAWING LIST

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM
Recommended 01/27/2022
Houston Airports System DATE
Director or Designated Representative

REVIEWED / NO EXCEPTIONS TAKEN
The drawings & supporting documents submitted for permit review meet the design intent, and to the best of our knowledge, appear to be in compliance with current HAS approved standards.
Performance and approval of this review does not waive, nor relieve the applicant from full responsibility & liability to conform and comply with all applicable standards, codes, and regulations required from all Authorities Having Jurisdiction (AHJ).

HOUSTON AIRPORTS

7800 AIRPORT BLVD
HOUSTON, TEXAS 77061

HOU INFORMATION COUNTER RENOVATION

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C.O.H. No.	D.O.A No.

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DESIGNER PROJECT No.: 20011.07
PROJECT STATUS: 100% PERMIT, BID CONSTRUCTION

REVISIONS

No.	DESCRIPTION	DATE	BY
	DESIGN DEVELOPMENT	12.04.20	
	95% OWNER REVIEW	09.24.21	
	100% PERMIT, BID AND CONSTRUCTION	11.08.21	

DESIGNER:	RLG
DRAWN BY:	RLG
CHECKED BY:	RLG
ISSUE DATE:	11/08/21
APPROVED BY:	RLG
APPROVAL DATE:	

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/ Approval Category

Approved For Construction

STATE OF TEXAS
LARKIN GENTRY
97304
LICENSED
PROFESSIONAL ENGINEER

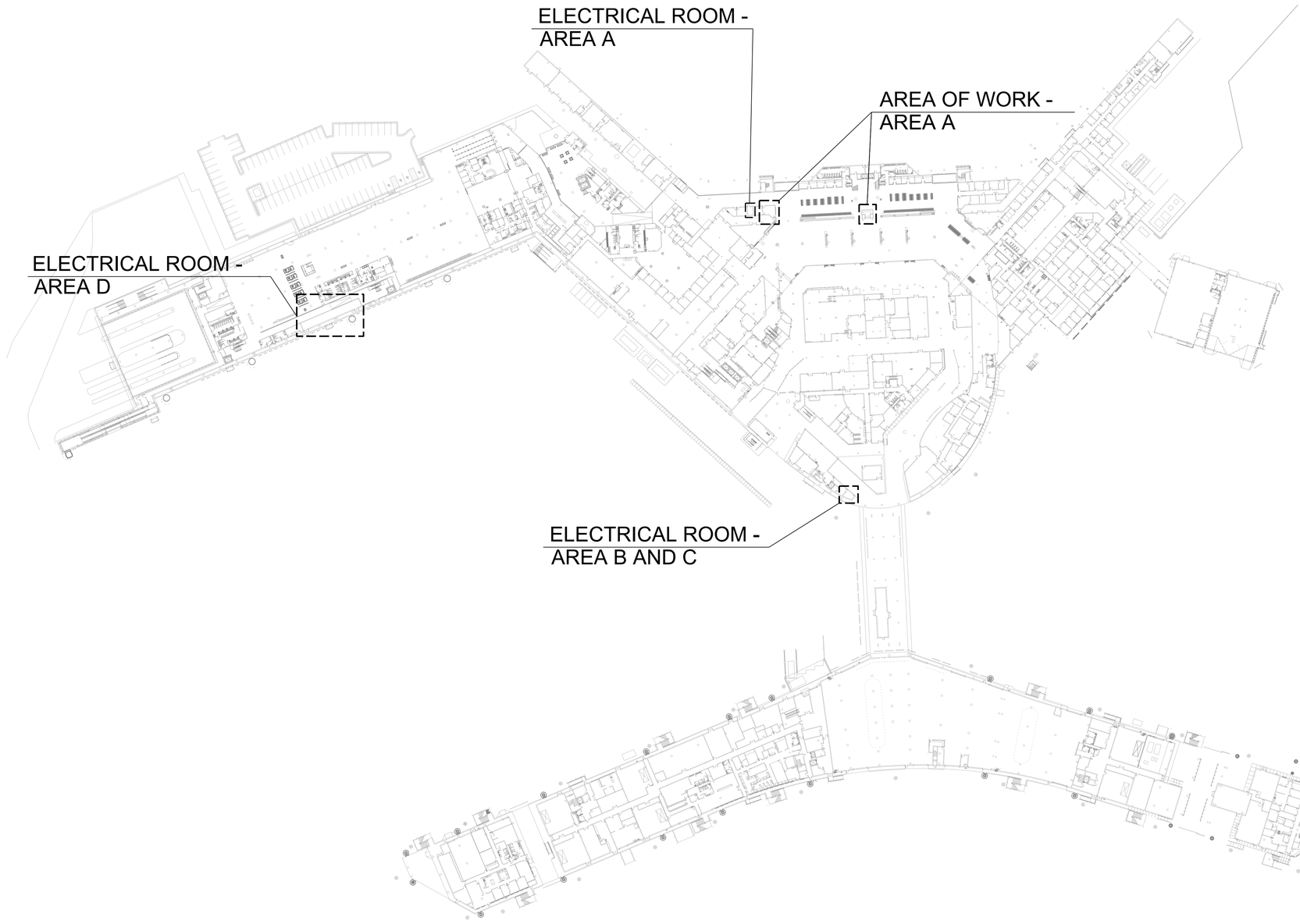
E&C Engineers & Consultants Inc.
Texas Firm Registration No: F-003068
Larkin Gentry
2021.11.04
14:24:10-05'00'

SHEET NAME: ELECTRICAL SYMBOLS AND ABBREVIATION

SHEET No. E000 SCALE: As Indicated

SHEET SIZE: 22"x34" ANSI-D

FILE PATH: I:\3800\3822 - HAS Hobby Information Kiosks\M\Elec\3822 ESA 000.dgn
HAS FILE:
PLOT DATE: 11/4/2021
DOA DWG FILE:
OLD DOA No. :



1 ELECTRICAL OVERALL PLAN - BAGGAGE CLAIM

SCALE: 1/80" = 1'-0"

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM

Recommended

01/27/2022

Houston Airports System Director or Designated Representative — DATE

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DESIGNER PROJECT No.:	20011.07
PROJECT STATUS:	100% PERMIT, BID CONSTRUCTION

REVISIONS

No.	DESCRIPTION	DATE	BY
	DESIGN DEVELOPMENT	12.04.20	
	95% OWNER REVIEW	09.24.21	
	100% PERMIT, BID AND CONSTRUCTION	11.08.21	

DESIGNER:	RLG
DRAWN BY:	RLG
CHECKED BY:	RLG
ISSUE DATE:	11/08/21
APPROVED BY:	RLG
APPROVAL DATE:	

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

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Approved For Construction

STATE OF TEXAS — LARKIN GENTRY — 97304 — LICENSED PROFESSIONAL ENGINEER

E&C Engineers & Consultants Inc.
Texas Firm Registration No: F-003068

Larkin Gentry
2021.11.04
14:24:10-05'00'

SHEET NAME:	ELECTRICAL OVERALL PLAN - BAGGAGE CLAIM
SHEET No.	E002
SCALE:	As Indicated

SHEET SIZE: 22"x34" ANSI-D

Aconex File Name: **I-YY-C-NNNN** - E002 - 2

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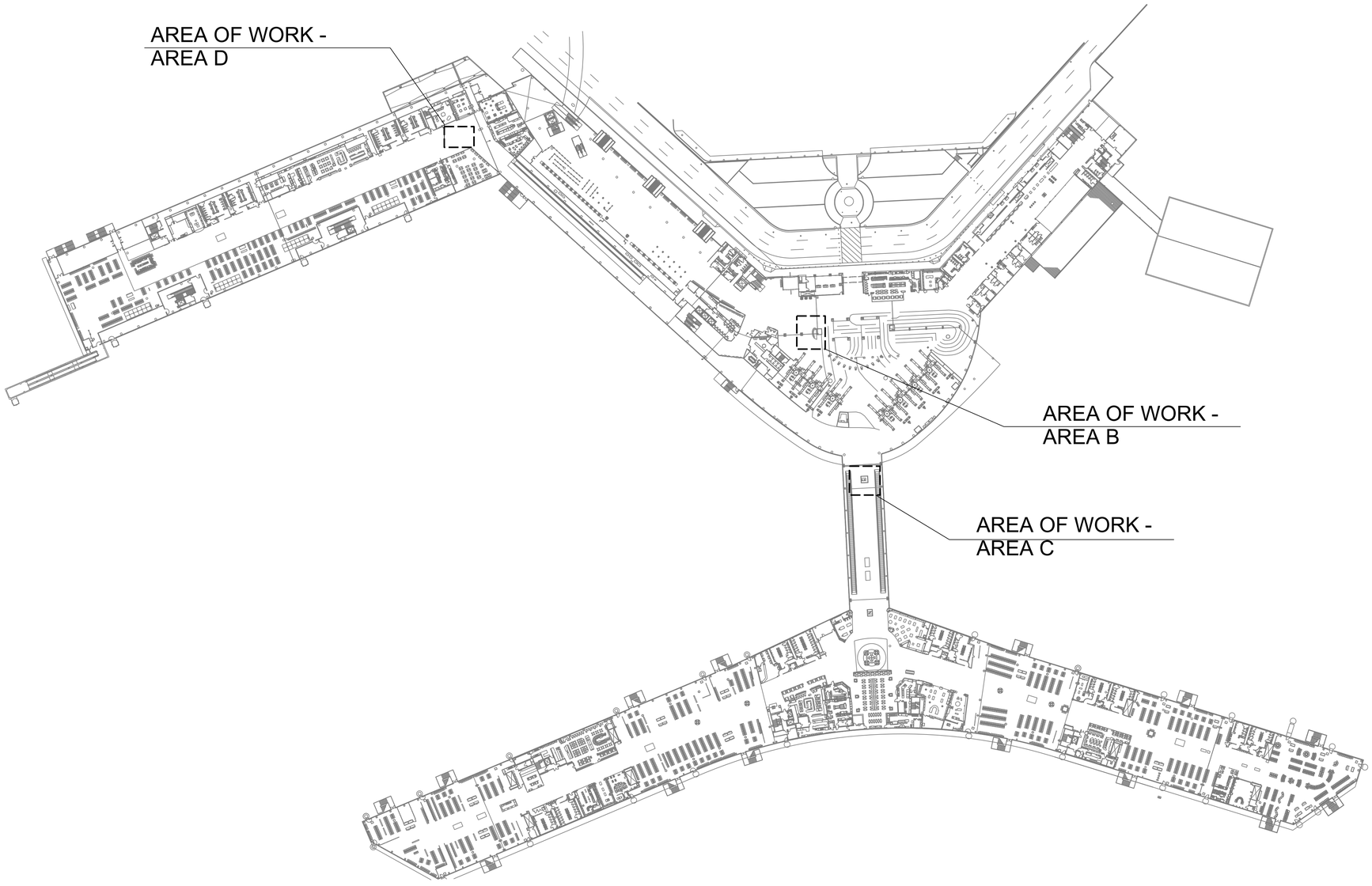

1 ELECTRICAL OVERALL PLAN - TICKETING

SCALE: 1/80" = 1'-0"

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM

Recommended

01/27/2022

Houston Airports System Director or Designated Representative — DATE

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DESIGNER PROJECT No.:	20011.07
PROJECT STATUS:	100% PERMIT, BID CONSTRUCTION

REVISIONS

No.	DESCRIPTION	DATE	BY
	DESIGN DEVELOPMENT	12.04.20	
	95% OWNER REVIEW	09.24.21	
	100% PERMIT, BID AND CONSTRUCTION	11.08.21	

DESIGNER:	RLG
DRAWN BY:	RLG
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ISSUE DATE:	11/08/21
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APPROVAL DATE:	

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Approved For Construction

STATE OF TEXAS
LARKIN GENTRY
97304
LICENSED
PROFESSIONAL ENGINEER

E&C Engineers & Consultants Inc.
Texas Firm Registration No: F-003068
Larkin Gentry
2021.11.04
14:24:10-05'00'

SHEET NAME:	ELECTRICAL OVERALL PLAN - TICKETING
SHEET No.	E003
SCALE:	As Indicated

SHEET SIZE: 22"x34" ANSI-D

Aconex File Name: **I-YY-C-NNNN** - E003 - 2

FILE PATH: I:\38003822 - HAS Hobby Information Kiosks\MEP\Elec\3822 OVERALL - TICKETING.dgn
HAS FILE:
PLOT DATE: 11/4/2021
DOA DWG FILE:
OLD DOA No. :

GENERAL NOTES:

A. RE: E000 FOR MORE GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.

B. REMOVE ALL ABANDONED BRANCH CIRCUITING BACK TO NEAREST JUNCTION BOX TO REMAIN OR BACK TO PANEL SERVING. IF CIRCUIT IS NOT REUSED TURN BREAKER OFF AND LABEL SPARE.

C. ALL CIRCUIT INFORMATION IS BASED OF EXISTING DRAWNIGS. FIELD CONFIRM ALL CIRCUITING PRIOR TO STARTING WORK.

D. ALL LIGHTING IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

E. ALL WIRING IS #12 AWG UNLESS NOTED OTHERWISE.

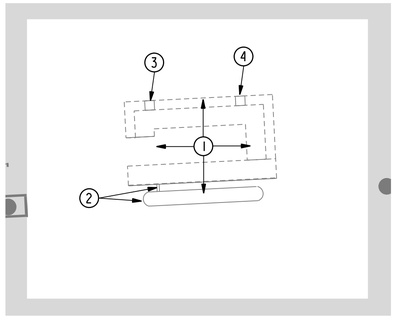
F. ALL RECEPTACLES ARE AT 18" A.F.F. UNLESS NOTED OTHERWISE.

G. REFER TO APPLICABLE SERIES DRAWINGS FOR ALL REQUIRED DIVISION 26 RELATED WORK PERTAINING TO THE TELECOMMUNICATIONS, AUDIO/VIDEO, AND SECURITY SYSTEM SYSTEMS. REFER TO APPLICABLE SPECIFICATIONS AS NOTED ON THESE DRAWINGS FOR ADDITIONAL REQUIRED DIVISION 26 RELATED WORK. REQUIRED DIVISION 26 WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, THE INSTALLATION OF BACK BOXES, SPECIALTY BACK BOXES, VOICE/DATA OUTLET ROUGH-INS, CONDUITS, CABLE TRAYS, CONDUIT SLEEVES, FLOOR BOXES, GROUNDING SYSTEM COMPONENTS, CARD READER ROUGH-INS, DOOR POSITION SWITCH ROUGH-INS, ELECTRIC POWER TRANSFER ROUGH-INS, CAMERA ROUGH- INS, ETC. THE EXACT LOCATIONS AND REQUIREMENTS OF SUCH WORK SHALL BE COORDINATED WITH THE APPLICABLE DIVISION.

H. RE: ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS.

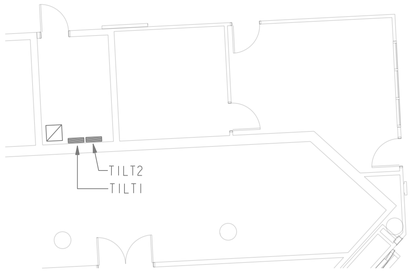
DRAWING NOTES:

1. REMOVE ALL EXISTING RECEPTACLES, DATA OUTLETS, AND OTHER WALL OR FLOOR MOUNTED POWER. DISPOSE OF AS DIRECTED BY OWNER. UNLESS NOTED OTHERWISE.
2. EXISTING ELECTRICAL CONNECTION TO JC DECAUX DISPLAY TO REMAIN AND BE PROTECTED.
3. EXISTING JUNCTION BOX BELOW COUNTER TO REMAIN AND BE PROTECTED. RE: ARCH FOR NEW ENCLOSURE BOX.
4. DEMO EXISTING DATA AND ELECTRICAL BELOW COUNTER PULL BACK TO SOURCE. CUT/CAP CONDUITS BELOW FLOOR. RE: ARCH. FOR FLOOR REPAIRS.
5. POWER AND DATA FOR NEW WALL MOUNTED TV. ROUGH-IN RECEPTACLE AND DATA OUTLET AT HEIGHT SPECIFIED BY ARCHITECT AND AV/IT CONSULTANT. FOR DATA OUTLET PROVIDE ROUGH-IN AS SPECIFIED BY AV/IT CONSULTANT.
6. DATA OUTLET. REFER TO TELECOMMUNICATIONS CONSULTANTS DRAWINGS FOR ROUGH-IN.
7. DUPLEX RECEPTACLE. PROVIDE 3/4"C FOR POWER FROM NEAREST ACCESSIBLE CEILING, DOWN IN WALL, UNDERSLAB, AND TURNED UP AS SHOWN AT FIRST RECEPTACLE. CONDUIT ABOVE CEILING SHALL BE EMT, CONDUIT IN SLAB OR BELOW GRADE SHALL BE RIGID STEEL, CONDUIT IN INFORMATION KIOSK SHALL BE EMT OR FLEXIBLE METAL CONDUIT. ALL CONDUIT SHALL HAVE INSULATED THROATS.
8. NEW CONDUIT STUB UP INTO NEW MILLWORK. ROUTE CONDUIT THROUGH MILLWORK TO POWER, DATA, AND LIGHTING OUTLETS AS REQUIRED.
9. PHONE OUTLET. REFER TO TELECOMMUNICATIONS CONSULTANTS DRAWINGS FOR ROUGH-IN.
10. COUNTERTOP USB OUTLET FOR TABLET. MOUNT ABOVE COUNTERTOP IN MILLWORK. USB CHARGER DUPLEX RECEPTACLE, 20A, 125V, 2-POLE, 3-WIRE GROUNDING, 5-20R, ONE 3.1 AMP TYPE "C" USB AND ONE USB TYPE "A" PORT, WHITE COLOR OR EQUAL BY OTHERS.
11. CONTINOUS LED STRIP ACCENT LIGHTING.
12. POWER FOR LED LOGO.
13. LIGHT SWITCH TO CONTROL ACCENT STRIP LIGHT AND LIGHTED SIGNAGE. 120V, 20A, SINGLE POLE.



3 ELECTRICAL DEMOLITION - INFORMATION KIOSK

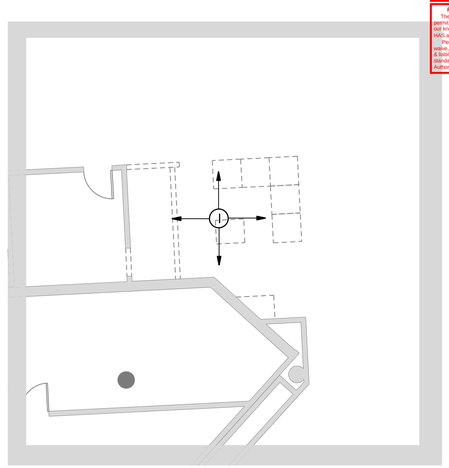
SCALE: 1/8" = 1'-0"



4 AREA A ELECTRICAL ROOM

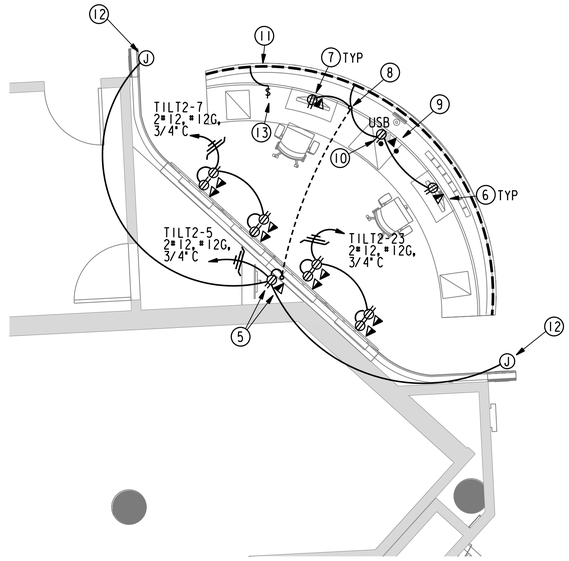
SCALE: 1/8" = 1'-0"

RE: E002 FOR ELECTRICAL ROOM LOCATION AND AREA A SCOPE OF WORK



1 ELECTRICAL DEMOLITION - H TOWN AREA

SCALE: 1/8" = 1'-0"



2 ELECTRICAL RENOVATION - H TOWN AREA

SCALE: 1/4" = 1'-0"

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM

Recommended 01/27/2022

Houston Airports System Director or Designated Representative — DATE

REVIEWED / NO EXCEPTIONS TAKEN

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DESIGNER PROJECT No.: 20011.07

PROJECT STATUS: 100% PERMIT, BID CONSTRUCTION

REVISIONS

No.	DESCRIPTION	DATE	BY
	DESIGN DEVELOPMENT	12.04.20	
	95% OWNER REVIEW	09.24.21	
	100% PERMIT, BID AND CONSTRUCTION	11.08.21	

DESIGNER:	RLG
DRAWN BY:	RLG
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HOUSTON AIRPORT SYSTEM

Review/ Approval Category

Approved For Construction

STATE OF TEXAS
LARKIN GENTRY
97304
LICENSED PROFESSIONAL ENGINEER

E&C Engineers & Consultants Inc.
Texas Firm Registration No: F-003068

Larkin Gentry
2021.11.04
14:24:10-05'00'

SHEET NAME: ELECTRICAL PLAN - AREA A

SHEET No. E100 **SCALE:** As Indicated

SHEET SIZE: 22"x34" ANSI-D

Aconex File Name: **I-YY-C-NNNN** - E100 - 2

FILE PATH: I:\3800\3822 - HAS Hobby Information Kiosks\MEP\ec\3822 ELECTRICAL AREA A.dgn
HAS FILE:
PLOT DATE: 11/4/2021
DOA DWG FILE:
OLD DOA No. :

GENERAL NOTES:

A. RE: E000 FOR MORE GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.

B. REMOVE ALL ABANDONED BRANCH CIRCUITING BACK TO NEAREST JUNCTION BOX TO REMAIN OR BACK TO PANEL SERVING. IF CIRCUIT IS NOT REUSED TURN BREAKER OFF AND LABEL SPARE.

C. ALL CIRCUIT INFORMATION IS BASED OF EXISTING DRAWNIGS. FIELD CONFIRM ALL CIRCUITING PRIOR TO STARTING WORK.

D. ALL LIGHTING IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

E. ALL WIRING IS #12 AWG UNLESS NOTED OTHERWISE.

F. ALL RECEPTACLES ARE AT 18" A.F.F. UNLESS NOTED OTHERWISE.

G. REFER TO APPLICABLE SERIES DRAWINGS FOR ALL REQUIRED DIVISION 26 RELATED WORK PERTAINING TO THE TELECOMMUNICATIONS, AUDIO/VIDEO, AND SECURITY SYSTEM SYSTEMS. REFER TO APPLICABLE SPECIFICATIONS AS NOTED ON THESE DRAWINGS FOR ADDITIONAL REQUIRED DIVISION 26 RELATED WORK. REQUIRED DIVISION 26 WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, THE INSTALLATION OF BACK BOXES, SPECIALTY BACK BOXES, VOICE/DATA OUTLET ROUGH-INS, CONDUITS, CABLE TRAYS, CONDUIT SLEEVES, FLOOR BOXES, GROUNDING SYSTEM COMPONENTS, CARD READER ROUGH-INS, DOOR POSITION SWITCH ROUGH-INS, ELECTRIC POWER TRANSFER ROUGH-INS, CAMERA ROUGH- INS, ETC. THE EXACT LOCATIONS AND REQUIREMENTS OF SUCH WORK SHALL BE COORDINATED WITH THE APPLICABLE DIVISION.

H. RE: ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS.

DRAWING NOTES:

(1) REMOVE ALL EXISTING RECEPTACLES, DATA OUTLETS, AND OTHER WALL OR FLOOR MOUNTED POWER. DISPOSE OF AS DIRECTED BY OWNER.

(2) EXISTING DATA/ELECTRICAL ON EXISTING WALL. DEMO DATA BACK TO SOURCE.

(3) DEMO POWER/DATA STRIP ANCHORED TO FLOOR.

(4) POWER FOR LED LOGO.

(5) ALL CABLING UNDER COUNTER SHALL BE IN RACEWAY. ELECTRICAL POWER SHALL BE IN EMT OR FLEXIBLE METAL CONDUIT BOTH WITH INSULATED THROATS.

(6) POWER AND DATA FOR DISPLAY WALL. COORDINATE DATA ROUGH-IN WITH AV/IT DRAWINGS. POWER SHALL BE DUPLEX RECEPTACLE MOUNTED BEHIND WALL. COORDINATE FINAL LOCATION WITH WALL AND AV/IT DRAWINGS.

(7) DATA OUTLET. REFER TO TELECOMMUNICATIONS CONSULTANTS DRAWINGS FOR ROUGH-IN.

(8) DUPLEX RECEPTACLE. PROVIDE 3/4"C FOR POWER FROM NEAREST ACCESSIBLE CEILING, DOWN IN WALL, UNDERSLAB, AND TURNED UP AS SHOWN AT FIRST RECEPTACLE. CONDUIT ABOVE CEILING SHALL BE EMT, CONDUIT IN SLAB OR BELOW GRADE SHALL BE RIGID STEEL, CONDUIT IN INFORMATION KIOSK SHALL BE EMT OR FLEXIBLE METAL CONDUIT. ALL CONDUIT SHALL HAVE INSULATED THROATS.

(9) NEW CONDUIT STUB UP INTO NEW MILLWORK. ROUTE CONDUIT THROUGH MILLWORK TO POWER, DATA, AND LIGHTING OUTLETS AS REQUIRED.

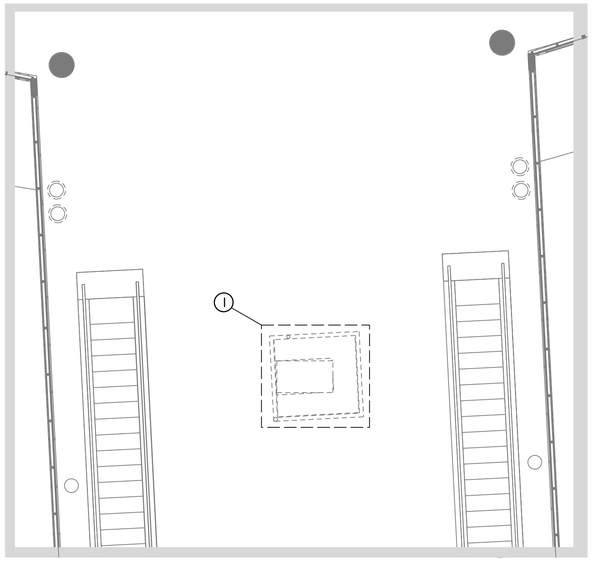
(10) PHONE OUTLET. REFER TO TELECOMMUNICATIONS CONSULTANTS DRAWINGS FOR ROUGH-IN.

(11) COUNTERTOP USB OUTLET FOR TABLET. MOUNT ABOVE COUNTERTOP IN MILLWORK. USB CHARGER DUPLEX RECEPTACLE, 20A, 125V, 2-POLE, 3-WIRE GROUNDING, 5-20R, ONE 3.1 AMP TYPE "C" USB AND ONE USB TYPE "A" PORT, WHITE COLOR OR EQUAL BY OTHERS.

(12) CONTINOUS LED STRIP ACCENT LIGHTING.

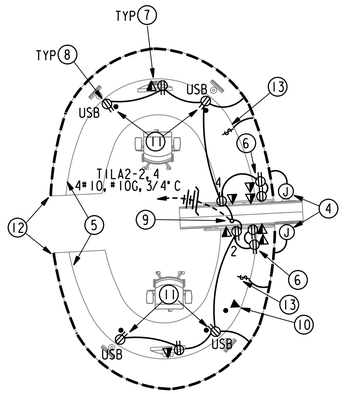
(13) LIGHT SWITCH TO CONTROL ACCENT STRIP LIGHT AND LIGHTED SIGNAGE. 120V, 20A, SINGLE POLE.

(14) CONVERT CONDUCTORS TO 4#12, #12G, 3/4"C AT FIRST JUNCTION BOX.



2 ELECTRICAL DEMOLITION PLAN - AREA C

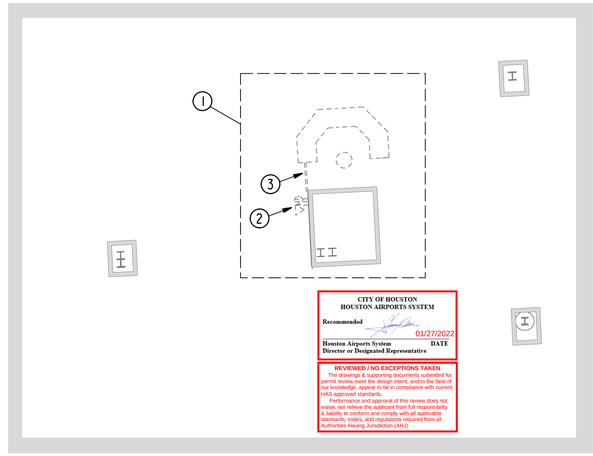
SCALE: 1/8" = 1'-0"



TYP.

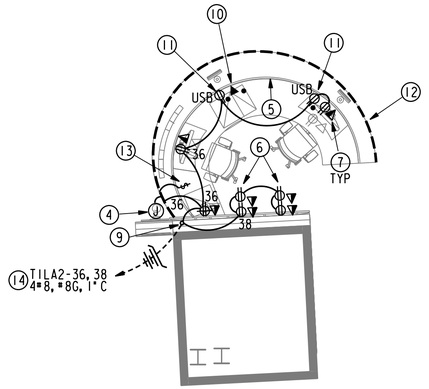
4 ELECTRICAL RENOVATION PLAN - AREA C

SCALE: 1/4" = 1'-0"



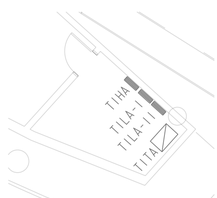
1 ELECTRICAL DEMOLITION PLAN - AREA B

SCALE: 1/8" = 1'-0"



3 ELECTRICAL RENOVATION PLAN - AREA B

SCALE: 1/4" = 1'-0"



5 AREA B AND C ELECTRICAL ROOM

SCALE: 1/8" = 1'-0"

RE: E002 FOR ELECTRICAL ROOM LOCATION AND E003 FOR AREA B AND C SCOPE OF WORK

HOUSTON AIRPORTS

7800 AIRPORT BLVD
HOUSTON, TEXAS 77061

HOU INFORMATION COUNTER RENOVATION

C.I.P. No.	A.I.P. No.
C.O.H. No.	D.O.A No.

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DESIGNER PROJECT No.:	20011.07
PROJECT STATUS:	100% PERMIT, BID CONSTRUCTION

REVISIONS

No.	DESCRIPTION	DATE	BY
	DESIGN DEVELOPMENT	12.04.20	
	95% OWNER REVIEW	09.24.21	
	100% PERMIT, BID AND CONSTRUCTION	11.08.21	

DESIGNER:	RLG
DRAWN BY:	RLG
CHECKED BY:	RLG
ISSUE DATE:	11/08/21
APPROVED BY:	RLG
APPROVAL DATE:	

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/ Approval Category

Approved For Construction

STATE OF TEXAS
LARKIN GENTRY
97304
LICENSED
PROFESSIONAL ENGINEER

E&C Engineers & Consultants Inc
Texas Firm Registration No: F-003068
Larkin Gentry
2021.11.04
14:24:10-05'00'

SHEET NAME:	ELECTRICAL PLAN - AREA B AND C
SHEET No.	E101
SCALE:	As Indicated

SHEET SIZE: 22"x34" ANSI-D

FILE PATH: I:\3800\3822 - HAS Hobby Information Kiosk\MEllc\3822 ELECTRICAL AREA B AND C.dgn
HAS FILE:
PLOT DATE: 11/4/2021
DOA DWG FILE:
OLD DOA No. :

GENERAL NOTES:

A. RE: E000 FOR MORE GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.

B. REMOVE ALL ABANDONED BRANCH CIRCUITING BACK TO NEAREST JUNCTION BOX TO REMAIN OR BACK TO PANEL SERVING. IF CIRCUIT IS NOT REUSED TURN BREAKER OFF AND LABEL SPARE.

C. ALL CIRCUIT INFORMATION IS BASED OF EXISTING DRAWNIGS. FIELD CONFIRM ALL CIRCUITING PRIOR TO STARTING WORK.

D. ALL LIGHTING IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

E. ALL WIRING IS #12 AWG UNLESS NOTED OTHERWISE.

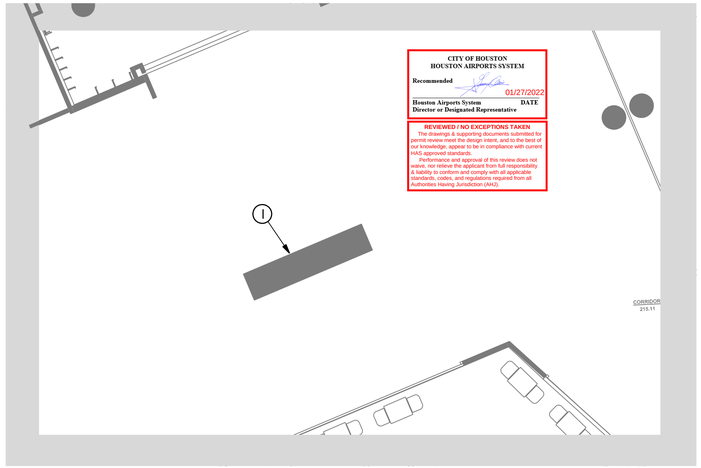
F. ALL RECEPTACLES ARE AT 18" A.F.F. UNLESS NOTED OTHERWISE.

G. REFER TO APPLICABLE SERIES DRAWINGS FOR ALL REQUIRED DIVISION 26 RELATED WORK PERTAINING TO THE TELECOMMUNICATIONS, AUDIO/VIDEO, AND SECURITY SYSTEM SYSTEMS. REFER TO APPLICABLE SPECIFICATIONS AS NOTED ON THESE DRAWINGS FOR ADDITIONAL REQUIRED DIVISION 26 RELATED WORK. REQUIRED DIVISION 26 WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, THE INSTALLATION OF BACK BOXES, SPECIALTY BACK BOXES, VOICE/DATA OUTLET ROUGH-INS, CONDUITS, CABLE TRAYS, CONDUIT SLEEVES, FLOOR BOXES, GROUNDING SYSTEM COMPONENTS, CARD READER ROUGH-INS, DOOR POSITION SWITCH ROUGH-INS, ELECTRIC POWER TRANSFER ROUGH-INS, CAMERA ROUGH- INS, ETC. THE EXACT LOCATIONS AND REQUIREMENTS OF SUCH WORK SHALL BE COORDINATED WITH THE APPLICABLE DIVISION.

H. RE: ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS.

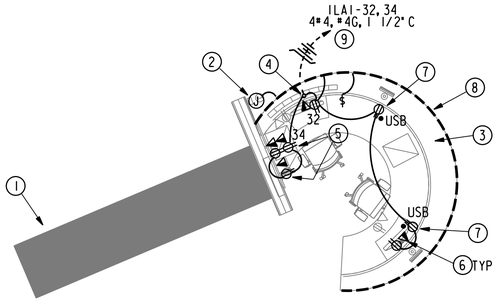
DRAWING NOTES:

1. EXISTING FLIGHT INFORMATION DISPLAY TO REMAIN & BE PROTECTED DURING CONSTRUCTION. ALL POWER AND DATA IS EXISTING TO REMAIN.
2. PROVIDE POWER J-BOX FOR LED ILLUMINATED SIGNAGE LOGO AND LETTERS. COORDINATE JUNCTION BOX LOCATION WITH SIGNAGE PROVIDED AND MAKE CONNECTION TO ILLUMINATE SIGNAGE AS REQUIRED. PROVIDE ALL PARTS AND PIECES AS REQUIRED FOR A COMPLETE AND WORKING SYSTEM. CIRCUIT SHALL BE ROUTED THROUGH FURNITURE FEED POKE THROUGH.
3. ALL CABLING UNDER COUNTER SHALL BE IN RACEWAY. ELECTRICAL POWER SHALL BE IN EMT OR FLEXIBLE METAL CONDUIT BOTH WITH INSULATED THROATS.
4. NEW CONDUIT STUB UP INTO NEW MILLWORK. ROUTE CONDUIT THROUGH MILLWORK TO POWER, DATA, AND LIGHTING OUTLETS AS REQUIRED.
5. POWER AND DATA FOR DISPLAY WALL. COORDINATE DATA ROUGH-IN WITH AV/IT DRAWINGS. POWER SHALL BE DUPLEX RECEPTACLE MOUNTED BEHIND WALL. COORDINATE FINAL LOCATION WITH WALL AND AV/IT DRAWINGS. CIRCUIT FOR WALL SHALL BE ROUTED THROUGH FURNITURE FEED POKE THROUGH.
6. DATA OUTLET. REFER TO TELECOMMUNICATIONS CONSULTANTS DRAWINGS FOR ROUGH-IN.
7. COUNTERTOP USB OUTLET FOR TABLET. MOUNT ABOVE COUNTERTOP IN MILLWORK. USB CHARGER DUPLEX RECEPTACLE, 20A, 125V, 2-POLE, 3-WIRE GROUNDING, 5-20R, ONE 3.1 AMP TYPE "C" USB AND ONE USB TYPE "A" PORT, WHITE COLOR OR EQUAL BY OTHERS.
8. CONTINOUS LED STRIP ACCENT LIGHTING.
9. CONVERT CONDUCTORS TO 4#12, #12G, 3/4" C AT FIRST JUNCTION BOX.



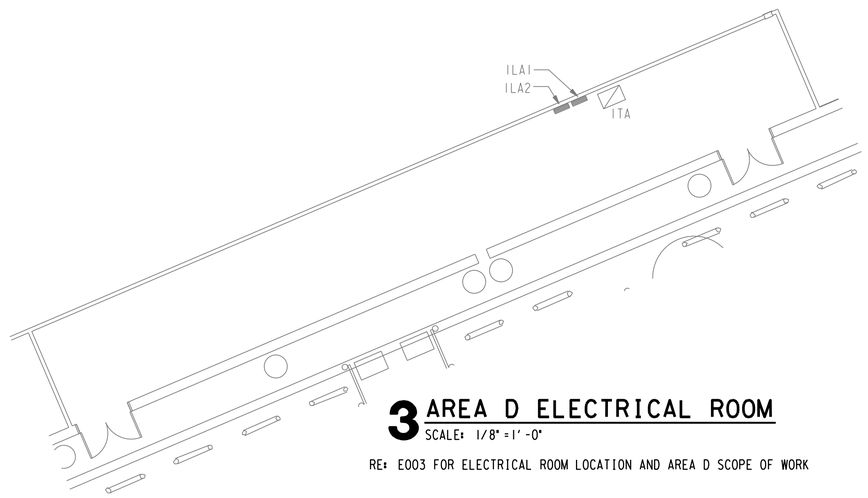
1 ELECTRICAL DEMOLITION PLAN - AREA D

SCALE: 1/8" = 1'-0"



2 ELECTRICAL RENOVATION PLAN - AREA D

SCALE: 1/4" = 1'-0"



3 AREA D ELECTRICAL ROOM

SCALE: 1/8" = 1'-0"

RE: E003 FOR ELECTRICAL ROOM LOCATION AND AREA D SCOPE OF WORK

HOUSTON AIRPORTS

7800 AIRPORT BLVD
HOUSTON, TEXAS 77061

HOU INFORMATION COUNTER RENOVATION

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PROJECT STATUS:	100% PERMIT, BID CONSTRUCTION

REVISIONS

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HOUSTON AIRPORT SYSTEM

Review/ Approval Category
Approved For Construction

STATE OF TEXAS
LARKIN GENTRY
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PROFESSIONAL ENGINEER

E&C Engineers & Consultants Inc.
Texas Firm Registration No: F-003068
Larkin Gentry
2021.11.04
14:24:10-05'00'

SHEET NAME:	ELECTRICAL PLAN - AREA D
SHEET No.	E102
SCALE:	As Indicated

SHEET SIZE: 22"x34" ANSI-D

FILE PATH: I:\3800\3822 - HAS Hobby Information Kiosks\ME\ac\3822 ELECTRICAL AREA D.dgn
HAS FILE:
PLOT DATE: 11/4/2021
DOA DWG FILE:
OLD DOA No. :

Aconex File Name: **I-YY-C-NNNN** - E102 - 2

Panel	T1LT2 (EXISTING)(NORMAL POWER)					Project -	HOU INFORMATION COUNTER RENOVATION			
Location -	RM 101.39					E&C No.	3822			
Panel Information		Panel Loads				Phase A	Phase B	Phase C	Total	
Voltage	120/208V, 3P, 4W	Panel Lighting VA				0	0	0	0	
Panel Type	Panelboard	Panel Receptacle VA				0	0	0	0	
Bus Amps	100A, 100% Neutral	Panel Equipment VA				1020	0	2220	3240	
Bus Type	Copper/10,000AIC	FTL VA				0	0	0	0	
Panel Mains	100/3 MCB	Total Connected VA				1020	0	2220	3240	
Breaker Mtg	Bolt-In	Total Connected Amps				9	0	19	9	
Enclosure	NEMA 1 Surface	NEC VA				1020	0	2220	3240	
Accessories	Ground Bus	NEC Amps				9	0	19	9	

Ckt.	Bkr.	Circuit Use	Load	Type	Ph.	Ckt.	Bkr.	Circuit Use	Load	Type
1	20/1	EXISTING CIRCUIT			A	2	20/1	EXISTING CIRCUIT		
3	15/1	EXISTING CIRCUIT			B	4	20/1	EXISTING CIRCUIT		
5	20/1	HTOWN INFO KIOSK	1200	1	C	6	20/1	EXISTING CIRCUIT		
7	20/1	HTOWN INFO KIOSK	1020	1	A	8		SPACE		
9	20/1	EXISTING CIRCUIT			B	10	20/1	EXISTING CIRCUIT		
11	15/2	EXISTING CIRCUIT			C	12	40/2	EXISTING CIRCUIT		
13	--	--			A	14	--	--		
15	15/2	EXISTING CIRCUIT			B	16		SPACE		
17	--	--			C	18	20/1	EXISTING CIRCUIT		
19	20/1	EXISTING CIRCUIT			A	20	20/1	EXISTING CIRCUIT		
21	20/1	EXISTING CIRCUIT			B	22	20/1	EXISTING CIRCUIT		
23	20/1	HTOWN INFO KIOSK	1020	1	C	24		SPACE		
25	15/1	EXISTING CIRCUIT			A	26	20/1	EXISTING CIRCUIT		
27	20/1	EXISTING CIRCUIT			B	28	20/1	EXISTING CIRCUIT		
29	15/1	EXISTING CIRCUIT			C	30	20/1	EXISTING CIRCUIT		
31	20/1	SPARE			A	32	20/1	EXISTING CIRCUIT		
33	20/1	SPARE			B	34	20/1	EXISTING CIRCUIT		
35	20/1	EXISTING CIRCUIT			C	36	20/1	EXISTING CIRCUIT		
37	--	--			A	38	20/1	EXISTING CIRCUIT		
39	60/3	EXISTING CIRCUIT			B	40		SPACE		
41	--	--			C	42	20/1	EXISTING CIRCUIT		

Load Types: 0 = Receptr (per NEC), 1 = Equip. (100%), 2 = Lighting (125%), 3 = A/C (100%), 4 = Heating (100%), 5 = Lgst. Motor (125%), 6 = Kitchen Equip. (per NEC)

Notes:

Panel	T1LA-II (EXISTING)(NORMAL POWER)					Project -	HOU INFORMATION COUNTER RENOVATION			
Location -						E&C No.	3822			
Panel Information		Panel Loads				Phase A	Phase B	Phase C	Total	
Voltage	120/208V, 3P, 4W	Panel Lighting VA				0	0	0	0	
Panel Type	Panelboard	Panel Receptacle VA				0	0	0	0	
Bus Amps	225A, 100% Neutral	Panel Equipment VA				2520	1500	1432	5452	
Bus Type	Copper/10,000AIC	FTL VA				0	0	0	0	
Panel Mains	225A MLO	Total Connected VA				2520	1500	1432	5452	
Breaker Mtg	Bolt-In	Total Connected Amps				21	13	12	15	
Enclosure	NEMA 1 Surface	NEC VA				2520	1500	1432	5452	
Accessories	Ground Bus	NEC Amps				21	13	12	15	

Ckt.	Bkr.	Circuit Use	Load	Type	Ph.	Ckt.	Bkr.	Circuit Use	Load	Type
1	20/1	EXISTING CIRCUIT			A	2	20/1	AREA C INFORMATION KIOSK	1500	1
3	20/1	EXISTING CIRCUIT			B	4	20/1	AREA C INFORMATION KIOSK	1500	1
5	20/1	EXISTING CIRCUIT			C	6	20/1	SPARE		
7	20/1	EXISTING CIRCUIT			A	8	20/1	EXISTING CIRCUIT		
9	20/1	EXISTING CIRCUIT			B	10	20/1	EXISTING CIRCUIT		
11	20/1	EXISTING CIRCUIT			C	12	20/1	EXISTING CIRCUIT		
13	20/1	EXISTING CIRCUIT			A	14	20/1	EXISTING CIRCUIT		
15	20/1	EXISTING CIRCUIT			B	16	20/1	EXISTING CIRCUIT		
17	20/1	EXISTING CIRCUIT			C	18	20/1	EXISTING CIRCUIT		
19	20/1	EXISTING CIRCUIT			A	20	20/1	EXISTING CIRCUIT		
21	20/1	EXISTING CIRCUIT			B	22	20/1	EXISTING CIRCUIT		
23	20/1	EXISTING CIRCUIT			C	24	20/1	EXISTING CIRCUIT		
25	20/1	EXISTING CIRCUIT			A	26	20/1	EXISTING CIRCUIT		
27	20/1	EXISTING CIRCUIT			B	28	20/1	EXISTING CIRCUIT		
29	20/1	EXISTING CIRCUIT			C	30	20/1	EXISTING CIRCUIT		
31	20/1	EXISTING CIRCUIT			A	32	20/1	EXISTING CIRCUIT		
33	20/1	EXISTING CIRCUIT			B	34	20/1	EXISTING CIRCUIT		
35	20/1	EXISTING CIRCUIT			C	36	20/1	AREA B INFORMATION KIOSK	1432	1
37	20/1	EXISTING CIRCUIT			A	38	20/1	AREA B INFORMATION KIOSK	1020	1
39	20/1	EXISTING CIRCUIT			B	40	20/1	EXISTING CIRCUIT		
41	20/1	EXISTING CIRCUIT			C	42	20/1	EXISTING CIRCUIT		

Load Types: 0 = Receptr (per NEC), 1 = Equip. (100%), 2 = Lighting (125%), 3 = A/C (100%), 4 = Heating (100%), 5 = Lgst. Motor (125%), 6 = Kitchen Equip. (per NEC)

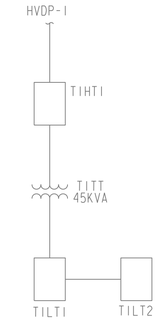
Notes:

Panel	1LA1 (EXISTING)(NORMAL POWER)					Project -	HOU INFORMATION COUNTER RENOVATION			
Location -	ELECTRICAL ROOM 115.04					E&C No.	3822			
Panel Information		Panel Loads				Phase A	Phase B	Phase C	Total	
Voltage	120/208V, 3P, 4W	Panel Lighting VA				0	0	0	0	
Panel Type	Panelboard	Panel Receptacle VA				0	0	0	0	
Bus Amps	225A, 100% Neutral	Panel Equipment VA				1120	690	0	1810	
Bus Type	Copper/10,000AIC	FTL VA				0	0	0	0	
Panel Mains	225/3 MCB	Total Connected VA				1120	690	0	1810	
Breaker Mtg	Bolt-In	Total Connected Amps				9	6	0	5	
Enclosure	NEMA 1 Surface	NEC VA				1120	690	0	1810	
Accessories	Ground Bus	NEC Amps				9	6	0	5	

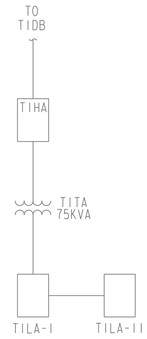
Ckt.	Bkr.	Circuit Use	Load	Type	Ph.	Ckt.	Bkr.	Circuit Use	Load	Type
1	20/1	EXISTING CIRCUIT			A	2	20/1	EXISTING CIRCUIT		
3	20/1	EXISTING CIRCUIT			B	4	20/1	EXISTING CIRCUIT		
5	20/1	EXISTING CIRCUIT			C	6	20/1	EXISTING CIRCUIT		
7	20/1	EXISTING CIRCUIT			A	8	20/1	EXISTING CIRCUIT		
9	20/1	EXISTING CIRCUIT			B	10	20/1	EXISTING CIRCUIT		
11	20/1	EXISTING CIRCUIT			C	12	20/1	EXISTING CIRCUIT		
13	20/1	EXISTING CIRCUIT			A	14	20/1	EXISTING CIRCUIT		
15	20/1	EXISTING CIRCUIT			B	16	20/1	EXISTING CIRCUIT		
17	20/1	EXISTING CIRCUIT			C	18	20/1	EXISTING CIRCUIT		
19	20/1	EXISTING CIRCUIT			A	20	20/1	EXISTING CIRCUIT		
21	20/1	EXISTING CIRCUIT			B	22	20/1	EXISTING CIRCUIT		
23	20/1	EXISTING CIRCUIT			C	24	20/1	EXISTING CIRCUIT		
25	20/1	EXISTING CIRCUIT			A	26	20/1	EXISTING CIRCUIT		
27	20/1	EXISTING CIRCUIT			B	28	20/1	EXISTING CIRCUIT		
29	20/1	EXISTING CIRCUIT			C	30	20/1	EXISTING CIRCUIT		
31	20/1	EXISTING CIRCUIT			A	32	20/1	AREA D INFORMATION KIOSK	1120	1
33	20/1	EXISTING CIRCUIT			B	34	20/1	AREA D INFORMATION KIOSK	690	1
35	20/1	SPARE			C	36	20/1	SPARE		
37	20/1	SPARE			A	38	20/1	SPARE		
39	20/1	SPARE			B	40	20/1	SPARE		
41	20/1	SPARE			C	42	20/1	SPARE		

Load Types: 0 = Receptr (per NEC), 1 = Equip. (100%), 2 = Lighting (125%), 3 = A/C (100%), 4 = Heating (100%), 5 = Lgst. Motor (125%), 6 = Kitchen Equip. (per NEC)

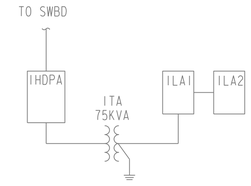
Notes:



1 AREA A PARTIAL ONE-LINE DIAGRAM
NOT TO SCALE



2 AREA B AND C PARTIAL ONE-LINE DIAGRAM
NOT TO SCALE



3 AREA D PARTIAL ONE-LINE DIAGRAM
NOT TO SCALE

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM
Recommended
01/27/2022
Houston Airports System Director or Designated Representative — DATE

REVIEWED / NO EXCEPTIONS TAKEN
The drawings & supporting documents submitted for permit review meet the design intent, and to the best of our knowledge, appear to be in compliance with current HAS approved standards.
Performance and approval of this review does not waive, nor relieve the applicant from full responsibility & liability to conform and comply with all applicable standards, codes, and regulations required from all Authorities Having Jurisdiction (AHJ).

HOUSTON AIRPORTS

7800 AIRPORT BLVD
HOUSTON, TEXAS 77061

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DESIGNER PROJECT No.:	20011.07
PROJECT STATUS:	100% PERMIT, BID CONSTRUCTION

REVISIONS

No.	DESCRIPTION	DATE	BY
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	95% OWNER REVIEW	09.24.21	
	100% PERMIT, BID AND CONSTRUCTION	11.08.21	

DESIGNER:	RLG
DRAWN BY:	RLG
CHECKED BY:	RLG
ISSUE DATE:	11/08/21
APPROVED BY:	RLG
APPROVAL DATE:	

DIRECTOR
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HOUSTON AIRPORT SYSTEM

Review/ Approval Category
Approved For Construction

STATE OF TEXAS — LARKIN GENTRY — 97304 — LICENSED PROFESSIONAL ENGINEER
E&C Engineers & Consultants Inc.
Texas Firm Registration No: F-003068
Larkin Gentry
2021.11.04
14:24:10-05'00'

SHEET NAME: ELECTRICAL SCHEDULES AND RISERS

SHEET No.	SCALE:
E200	As Indicated

SHEET SIZE: 22"x34" ANSI-D

PLOT DATE: 11/4/2021
DOA DWG FILE:
OLD DOA No. :
HAS FILE:
FILE PATH: I:\3800\3822 - HAS Hobby Information Kiosks\MEElec\3822 ERISER.dgn

Aconex File Name: I-YY-C-NNNN - E200 - 2

TECHNOLOGY EQUIPMENT SYMBOLS LIST

SYMBOL	DESCRIPTION
HDMI-R	HDMI RECEIVER
HDMI-T	HDMI TRANSMITTER
FOPP	FIBER OPTIC PATCH PANEL
FOT	FIBER OPTIC TRANSMITTER
FOR	FIBER OPTIC RECEIVER
CPP	COPPER PATCH PANEL
CP	CURTESY PHONE
HH	HAND HOLE
LED	LED DISPLAY PANEL
MATV	MAINTENANCE HOLE
MH	MAINTENANCE HOLE
NS O	NETWORK SWITCH (OWNER)
NS T	NETWORK SWITCH (TENANT)
PB	PULL BOX
PC1	TYPE 1 COMPUTER - DELL 3080 SFF
PC2	TYPE 2 COMPUTER
TP1	TYPE 1 TOUCH PANEL - IPAD
▼X	X-CAT6 TERMINATION JACK WHERE X REPRESENTS QUANTITY OF CAT6 CABLES. FIELD COORDINATE EXACT PLACEMENT WITH OTHER TRADE.
▼4	EXAMPLE: 4-CAT6 WITH 4-PORT WALL PLATE, 15" A.F.F.
X ▼Y	CAT 6 TERMINATION JACK. X=CONFIGURATION. Y=QTY OF CAT 6 CABLES. PROVIDE PATCH CORD FOR EACH CONNECTED PORT.
▼TV	TV OUTLET (1 RG-6 CABLE)
▼A/V	HDMI WITH 2 AUDIO JACKS. INCLUDE PLENUM HDMI AND 2 AUDIO CABLE FROM JACK TO A/V SOURCE WITHIN ROOM.
▼W	1 CAT 6 WITH PLATE FOR WALL MOUNTED PHONE, 45"A.F.F.
▼B	BLANK WALL PLATE
X ▼	X CAT 6 CABLE (FLOOR OUTLET)
WAP	WIRELESS ACCESS POINT, 2 CAT 6A CABLES
AW ▼	ALL WEATHER OUTDOOR PHONE, 1 CAT 6

TECHNOLOGY EQUIPMENT SYMBOLS LIST

SYMBOL	DESCRIPTION
○	CONDUIT TURNING UP
●———	CONDUIT TURNING DOWN
⊏———	TERMINATING CONDUIT. PROVIDE GROUND LUG AND INSULATED THROAT BUSHING.
———	EXPOSED CONDUIT
———	CONCEALED CONDUIT
———	ARIEL CABLE
FPC	FLIGHT INFORMATION DISPLAY PC
HCM	HORIZONTAL CABLE MANAGEMENT
JB	JUNCTION BOX
EX	ETHERNET EXTENDER
SP 1	A/V SPEAKER TYPE 1. MODEL JBL CONTROL 25AV-LS OR EQUAL
SP 2	A/V SPEAKER TYPE 2. MODEL JBL CONTROL 64P/T OR EQUAL
REC	REMOTE EQUIPMENT ENCLOSURE

TECHNOLOGY ABBREVIATIONS

(E)	EXISTING
GC	GENERAL CONTRACTOR
LEC	LOCAL EXCHANGE CARRIER
MMF	MULTIMODE FIBER
(N)	NEW
NIC	NOT IN CONTRACT
PR	PAIR AS IN COPPER PAIR (CATEGORY 5)
R	RADIUS
SMF	SINGLE MODE FIBER
STP	SHIELDED TWISTED PAIR, 22 AWG
UTP	UNSHIELDED TWISTED PAIR

TECHNOLOGY SHEET LIST

Sheet Number	Sheet Name
T-001	TECHNOLOGY - INDEX, SYMBOLS & SHEET INDEX
T-002	TECHNOLOGY - GENERAL NOTES
T-101	TECHNOLOGY - REFERENCE PLAN - BAGGAGE CLAIM
T-102	TECHNOLOGY - REFERENCE PLAN - LEVEL 1
T-103	TECHNOLOGY - DEMOLITION PLAN - BAGGAGE CLAIM - AREA A
T-104	TECHNOLOGY - DEMOLITION PLAN - LEVEL 1 - AREA B & C
T-105	TECHNOLOGY - DEMOLITION PLAN - LEVEL 1 - AREA D
T-106	TECHNOLOGY - FLOOR PLAN - BAGGAGE CLAIM - AREA A
T-107	TECHNOLOGY - FLOOR PLAN - LEVEL 1 - AREAS B AND C
T-108	TECHNOLOGY - FLOOR PLAN - LEVEL 1 - AREA D
T-401	TECHNOLOGY - IDF 100.14 ENLARGED PLAN
T-402	TECHNOLOGY - IDF 101.40 ENLARGED PLAN
T-403	TECHNOLOGY - IDF 102.44 ENLARGED PLAN
T-404	TECHNOLOGY - IDF 313.10 ENLARGED PLAN
T-501	TECHNOLOGY - EQUIPMENT DETAILS
T-601	TECHNOLOGY - EQUIPMENT SCHEDULE

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM
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Houston Airports System Director or Designated Representative — DATE

REVIEWED / NO EXCEPTIONS TAKEN
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Performance and approval of the work, or relieve the applicant of a liable to conform and comply with all rules, regulations, laws, & ordinances having Jurisdiction.

HOUSTON AIRPORTS

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HOU INFORMATION COUNTER RENOVATION

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PGA ENGINEERS, INC
3838 N Sam Houston Pkwy E,
Suite 550
Houston, TX 77032
346.570.2418
pgaengineers.com
TBPE FIRM #12493

DESIGNER PROJECT No.: 2020.017

PROJECT STATUS: 100% PERMIT, BID AND CONSTRUCTION

REVISIONS

No.	DESCRIPTION	DATE	BY
	SCHEMATIC DESIGN	10.23.20	
	DESIGN DEVELOPMENT	12.04.20	
	95% OWNER REVIEW	09.24.21	
	100% PERMIT, BID AND CONSTRUCTION	11.08.21	

DESIGNER:	PGA
DRAWN BY:	AC
CHECKED BY:	JG
ISSUE DATE:	11/08/2021
APPROVED BY:	Approver
APPROVAL DATE:	

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/ Approval Category

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STATE OF TEXAS
JOHN GRUENWALD
100039
LICENSED
PROFESSIONAL ENGINEER
11/08/2021

TIP NO. # TBD

SHEET NAME:	TECHNOLOGY - INDEX, SYMBOLS & SHEET INDEX
SHEET No.	T-001
SCALE:	

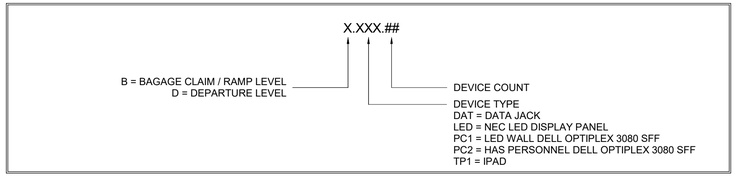
SHEET SIZE: 22"x34" ANSI-D

FILE PATH: C:\Users\acaruana\Desktop\HOU COUNTER\HOU INFO COUNTER RENOVATION_acaruanaU75VK_detached.rvt
HAS FILE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :

TECHNOLOGY GENERAL NOTES

1. FOLLOW TELECOM STANDARDS AND PRACTICES. SEE DIVISION 27 SPECIFICATIONS AND T DRAWINGS.
2. REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER (RCDD) SUPERVISOR SHALL REVIEW, APPROVE AND STAMP ALL SHOP DRAWINGS. COORDINATE DRAWINGS AND RECORD DRAWINGS.
3. ALL WALL PENETRATIONS SHALL BE SEALED WITH APPROVED FIRE STOPPING.
4. REFER TO THE ELECTRICAL FLOOR PLAN DRAWINGS FOR ADDITIONAL ROUGH-IN REQUIREMENTS. WHERE THERE ARE DRAWING DISCREPANCIES, THE CONTRACTOR SHALL INSTALL THE GREATER QUANTITY OF DEVICES.
5. REFER TO THE SITE PLAN ON AND RISER DIAGRAM FOR TELECOMMUNICATION BACKBONE CONDUITS/CABLES. FIELD COORDINATE EXACT ROUTING WITH OTHER TRADES.
6. ALL COMMUNICATIONS EQUIPMENT SHOWN SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR UNLESS NOTED OTHERWISE.
7. BOND ALL COMMUNICATIONS CABINETS, RELAY RACKS, CABLE TRAYS, AND OTHER METALLIC SUPPORTING DEVICES TO TELECOMMUNICATIONS GROUND BUSBAR INSIDE COMMUNICATIONS ROOM. BOND WITH A #6 GROUND CONDUCTOR.
8. ALL HORIZONTAL VOICE AND DATA CABLES SHALL BE DISTRIBUTED VIA MINIMUM 1" CONDUIT AND/OR CABLE TRAY. NO EXCEPTIONS.
9. SINGLE LINE DIAGRAMS, SCHEMATICS, DETAILS AND CONDUIT PATHS SHOWN HEREIN ARE CONCEPTUAL AND ILLUSTRATE ONLY THE FUNCTIONAL RELATIONSHIPS BETWEEN COMPONENTS OF THE SYSTEM. ACCORDINGLY, FULL SHOP DRAWING DEVELOPMENT IS REQUIRED TO REALIZE THE SPECIFIED FUNCTIONS.
10. DEVICE LOCATIONS ON PLANS ARE CONCEPTUAL. LOCATE AS SITE CONDITIONS REQUIRE AND AS APPROVED BY GC.
11. REFER TO THE BID SPECIFICATION FOR ADDITIONAL REQUIREMENTS REGARDING THIS WORK.
12. PAINTING, PATCHING AND FINISHES FOR DEVICES LOCATED IN EXISTING AREAS SHALL MATCH EXISTING FINISHES AS APPROVED BY GC.
13. FINISHES OF DEVICES IN NEW/REMODEL AREAS SHALL BE APPROVED BY GC.
14. WORK AND MATERIALS SHALL CONFORM TO THE MOST CURRENT UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION AS FURNISHED BY GC. WORK AND MATERIALS NOT IN CONFORMANCE WITH THESE SPECIFICATIONS AND DETAILS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
15. IN SOME INSTANCES THE IDF MAY BE OVER 90 METERS FROM THE IP DEVICE DUE TO LEGACY DESIGN STANDARDS WHEN THE BUILDING WAS CONSTRUCTED. IF TESTED CABLE DOES NOT PASS CERTIFICATION, CONTRACTOR MUST USE MIDSPAN EXTENDER INSTALLED INSIDE OF ENCLOSURE. REFERENCE DETAIL SHEETS FOR INSTALLATION DIAGRAM.

DEVICE DESIGNATION KEY



REFERENCE SPECIFICATIONS

1. 270526 - TELECOMMUNICATIONS GROUNDING AND BONDING
2. 270528 - INTERIOR COMMUNICATION PATHWAYS
3. 270543 - EXTERIOR COMMUNICATION PATHWAYS
4. 270553 - IDENTIFICATION AND LABELING OF COMMUNICATION INFRASTRUCTURE
5. 271100 - COMMUNICATIONS CABINETS AND EQUIPMENT ROOMS
6. 271500 - HORIZONTAL MEDIA INFRASTRUCTURE
7. 272100 - DATA COMMUNICATION NETWORK EQUIPMENT
8. 272200 - LAPTOP, AND SERVERS EQUIPMENT
9. 275113 - AUDIO COMMUNICATION SYSTEM
10. 281300 - ACCESSS CONTROL
11. 282300 - VIDEO SURVEILLANCE CONTROL AND MANAGEMENT SYSTEM
12. SPECIFICATION CAN BE DOWNLOADED AT <https://www.fly2houston.com/biz/resources/building-standards-and-permits/>

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	SCHEMATIC DESIGN	10.23.20	
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	95% OWNER REVIEW	09.24.21	
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DESIGNER:	PGA
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PROFESSIONAL ENGINEER
11/08/2021

TIP NO. # TBD

SHEET NAME:	TECHNOLOGY - GENERAL NOTES
SHEET No.	T-002
SCALE:	

SHEET SIZE: 22"x34" ANSI-D

FILE PATH: C:\Users\acaruana\Desktop\HOU COUNTER\HOU INFO COUNTER RENOVATION_acaruanaU75VK_detached.rvt
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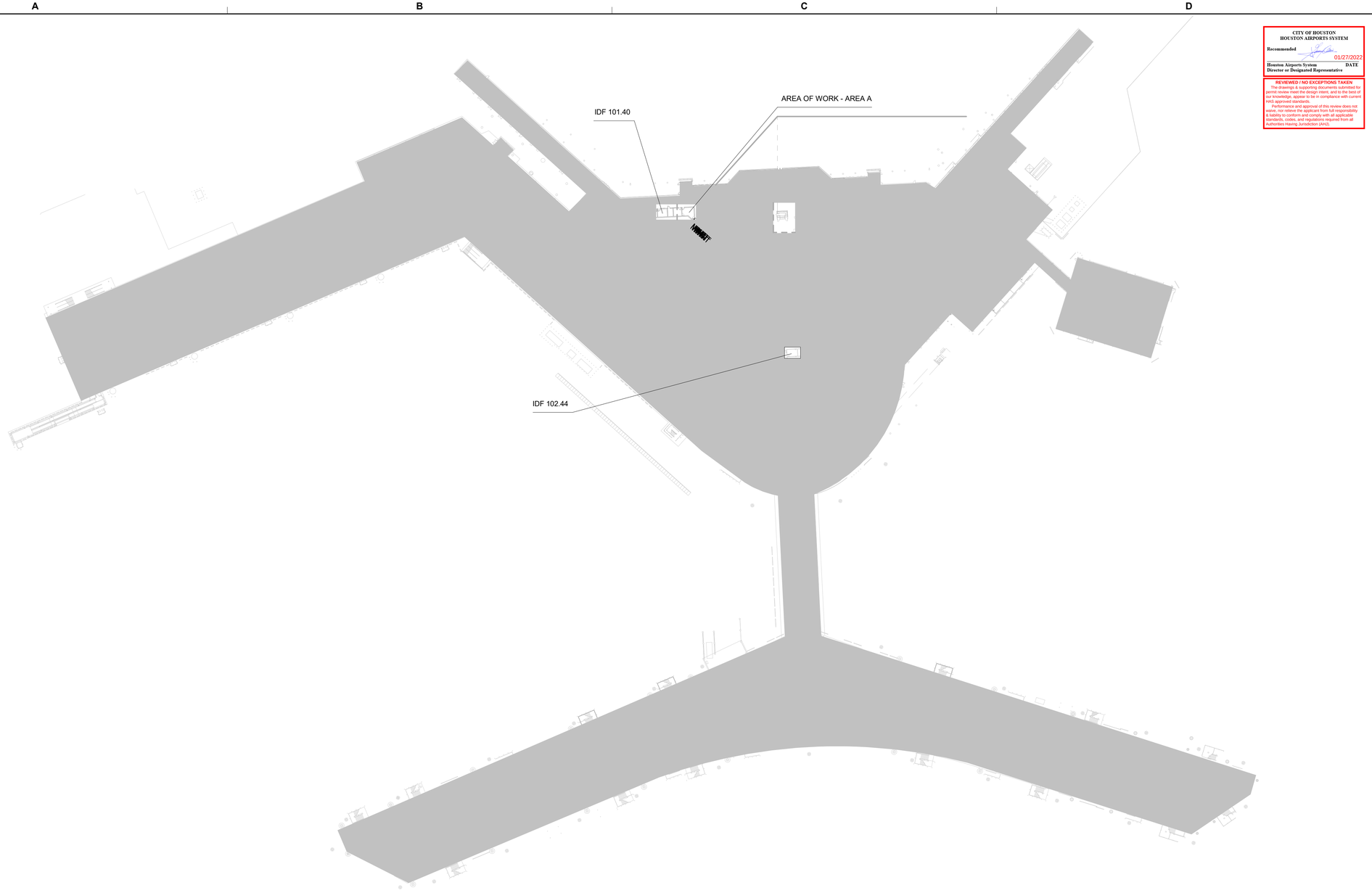
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :



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BAGGAGE CLAIM - REFERENCE PLAN SCALE: 1" = 80'-0" A1

NORTH

GENERAL NOTES

1. CONTRACTOR TO COORDINATE ALL TECHNOLOGY DEVICE REMOVALS WITH HAS TECHNOLOGY DIVISION PRIOR TO REMOVAL. SALVAGE ALL EXISTING IT EQUIPMENT AND TURN OVER TO HAS IT.

KEYED NOTES

FILE PATH: C:\Users\acaruana\Desktop\HOU COUNTER\HOU INFO COUNTER RENOVATION_acaruanaU75VK_detached.rvt
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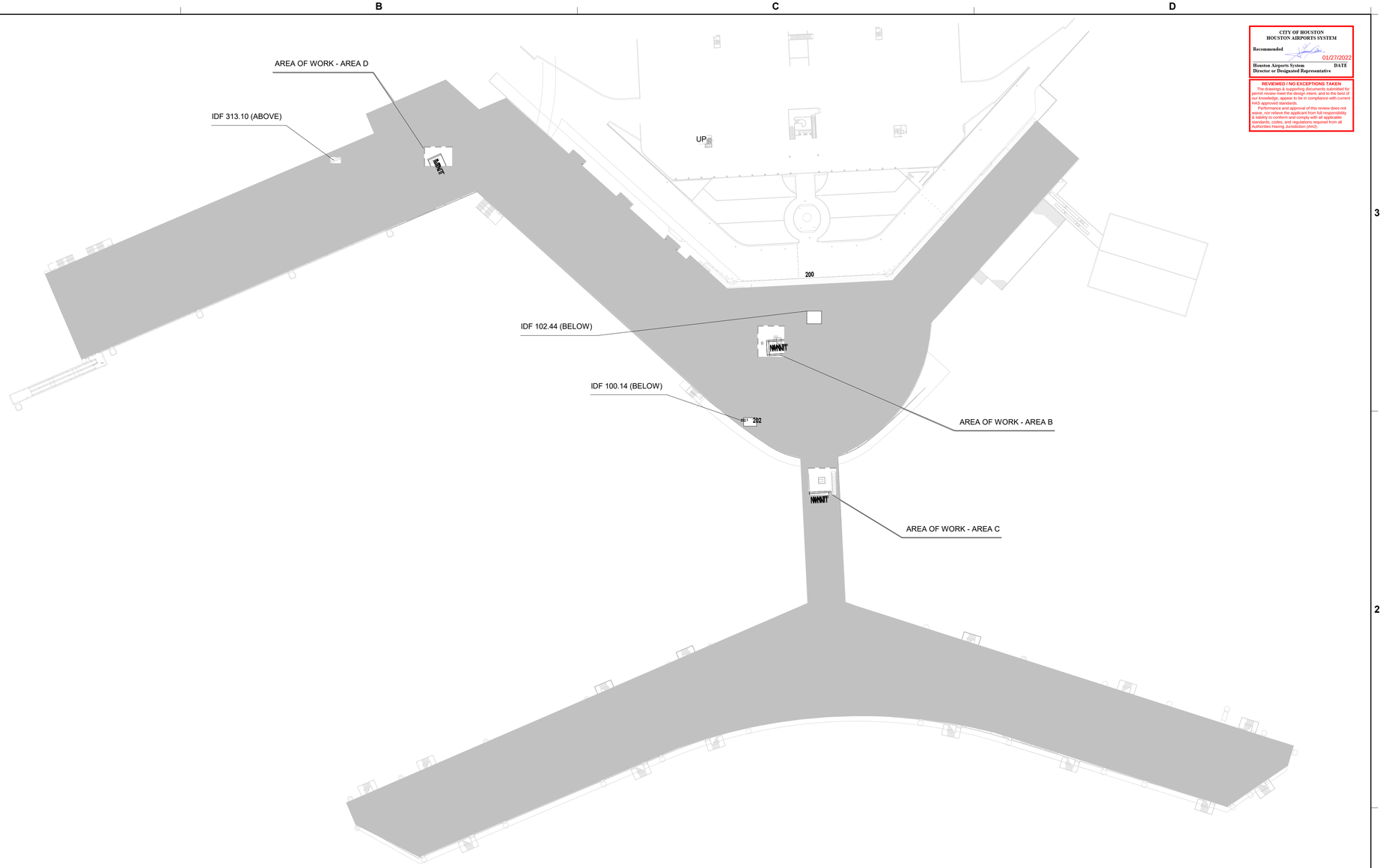
LICENSED PROFESSIONAL ENGINEER
11/08/2021

TIP NO. # TBD

SHEET NAME:	TECHNOLOGY - REFERENCE PLAN - BAGGAGE CLAIM
SHEET No.	T-101
SCALE:	1" = 80'-0"

SHEET SIZE: 22"x34" ANSI-D



LVL 1 - FLOOR PLAN REFERENCE SCALE: 1" = 80'-0" A1

1. CONTRACTOR TO COORDINATE ALL TECHNOLOGY DEVICE REMOVALS WITH HAS TECHNOLOGY DIVISION PRIOR TO REMOVAL. SALVAGE ALL EXISTING IT EQUIPMENT AND TURN OVER TO HAS IT.

NORTH

GENERAL NOTES

KEYED NOTES

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HOUSTON AIRPORTS SYSTEM

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John Gruenwald
11/08/2021

TIP NO. # TBD

SHEET NAME:	TECHNOLOGY - REFERENCE PLAN - LEVEL 1
SHEET No.	T-102
SCALE:	1" = 80'-0"

SHEET SIZE: 22"x34" ANSI-D

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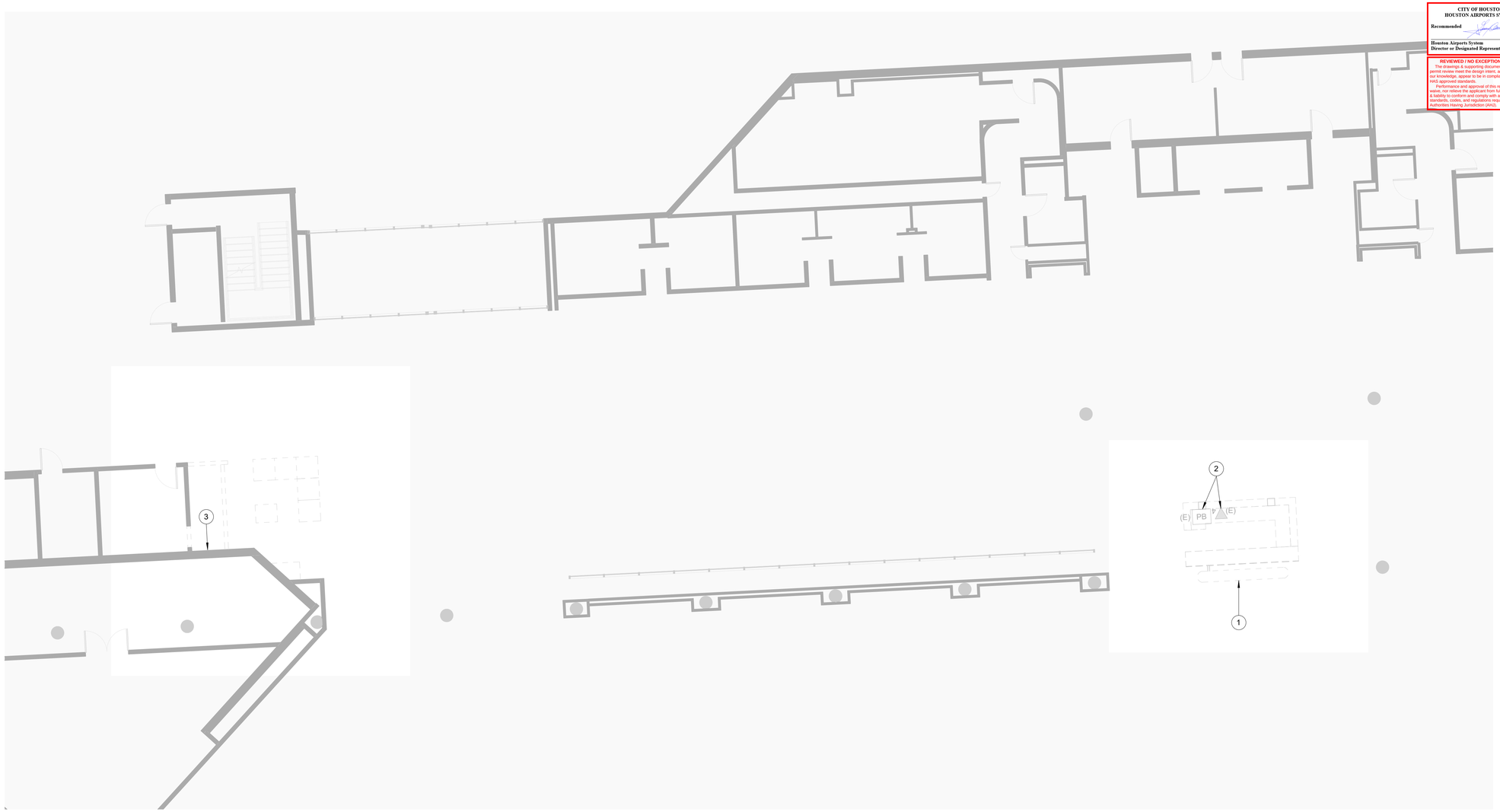
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :



BAGGAGE CLAIM - DEMO | SCALE: 1/8" = 1'-0" | A2

CITY OF HOUSTON
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Recommended _____ 01/27/2022

Houston Airports System Director or Designated Representative — DATE

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GENERAL NOTES

1. CONTRACTOR TO COORDINATE ALL TECHNOLOGY DEVICE REMOVALS WITH HAS TECHNOLOGY DIVISION PRIOR TO REMOVAL. SALVAGE ALL EXISTING IT EQUIPMENT AND TURN OVER TO HAS IT.

KEYED NOTES

(1) DISCONNECT AND TEST JC DECAUX DISPLAY CABLES, AND TEMPORARILY COIL THEM BACK TO THE TELECOM PULL BOX. RE-TEST CABLE AND THEN RECONECT TO JC DECAUX DISPLAY WHEN IT IS RELOCATED.

(2) EXISTING TELECOMMUNICATIONS PULL BOX AND DATA JACK. DO NOT REMOVE.

(3) EXISTING TELECOMMUNICATIONS RACK. REMOVE AND TURN OVER TO HAS IT.

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HAS FILE:

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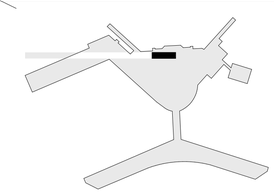
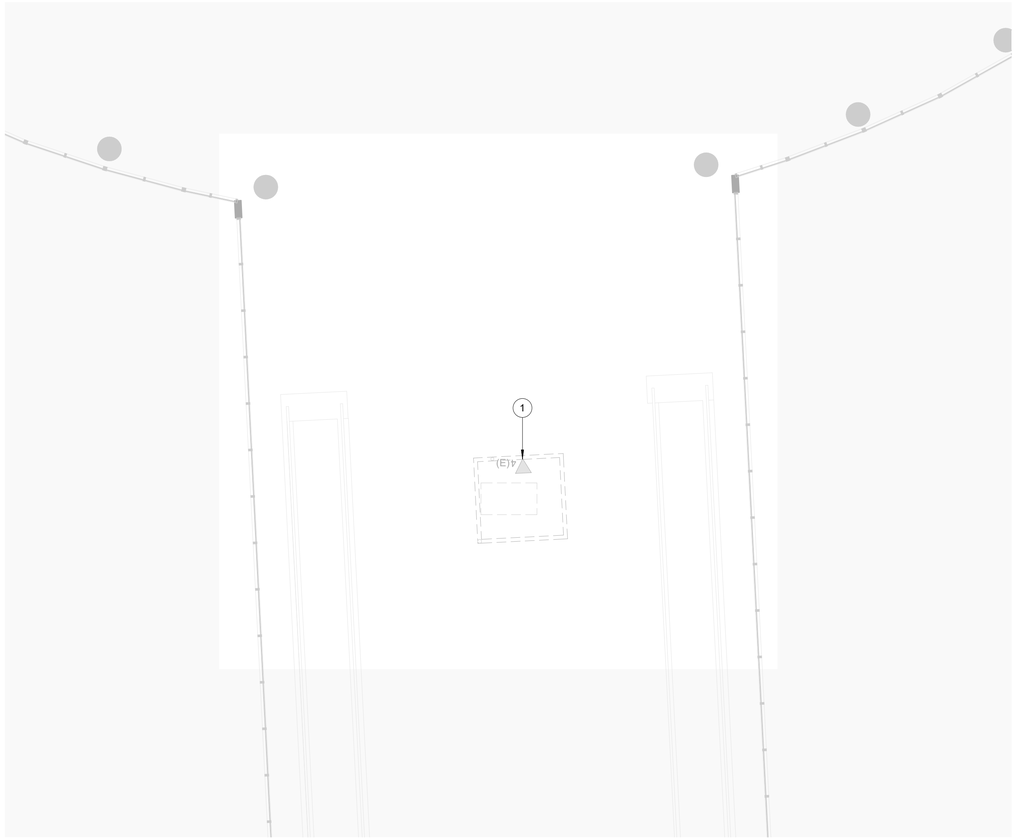
John Gruenwald
11/08/2021



TIP NO. # TBD

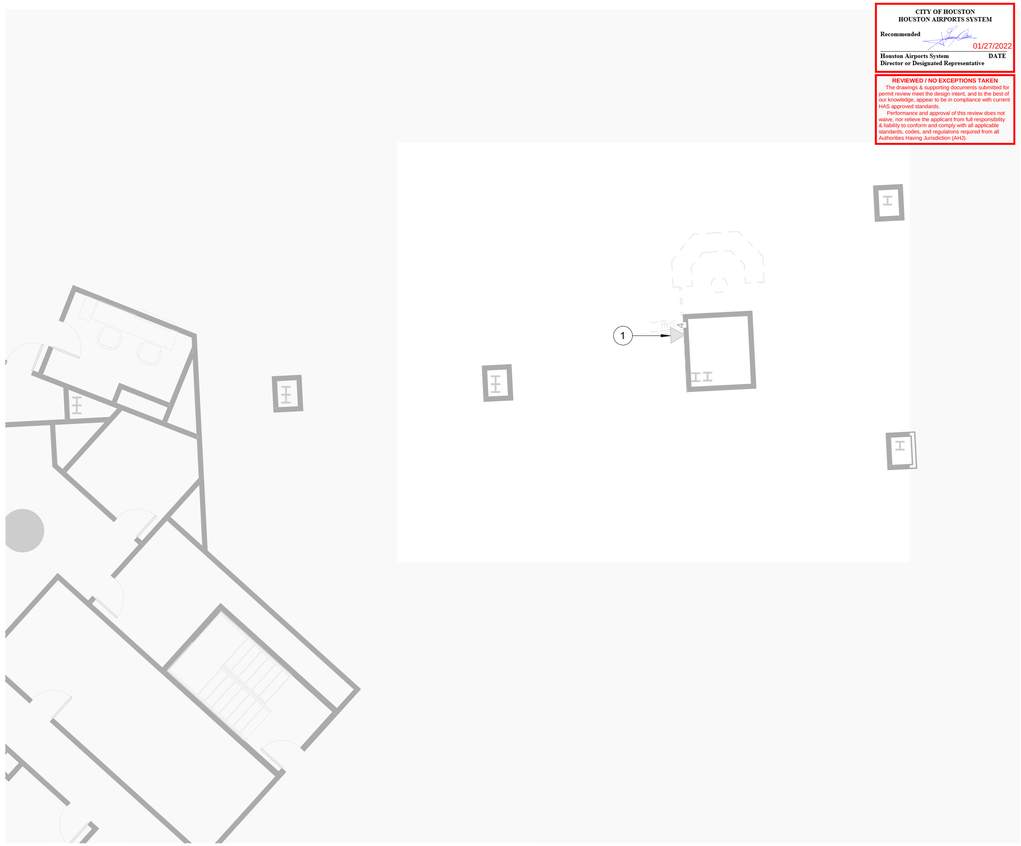
SHEET NAME:	TECHNOLOGY - DEMOLITION PLAN - BAGGAGE CLAIM - AREA A		
SHEET No.	T-103	SCALE:	As indicated

SHEET SIZE: 22"x34" ANSI-D



NORTH

LVL 1 - DEMO FLOOR PLAN - AREA C SCALE: 1/8" = 1'-0" A2



NORTH

LVL 1 - DEMO FLOOR PLAN - AREA B SCALE: 1/8" = 1'-0" C2

1. CONTRACTOR TO COORDINATE ALL TECHNOLOGY DEVICE REMOVALS WITH HAS TECHNOLOGY DIVISION PRIOR TO REMOVAL. SALVAGE ALL EXISTING IT EQUIPMENT AND TURN OVER TO HAS IT.

GENERAL NOTES

(1) EXISTING DATA JACK .COORDINATE WITH HAS IT AND REMOVE.

KEYED NOTES

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM

Recommended

01/27/2022

Houston Airports System
Director or Designated Representative DATE

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PLOT DATE:

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TIP NO. # TBD

SHEET NAME:	TECHNOLOGY - DEMOLITION PLAN - LEVEL 1 - AREA B & C
SHEET No.	T-104
SCALE:	As indicated

SHEET SIZE: 22"x34" ANSI-D

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM

Recommended

01/27/2022

Houston Airports System Director or Designated Representative — DATE

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LVL 1 - DEMO FLOOR PLAN - AREA D SCALE: 1/8" = 1'-0" A2

GENERAL NOTES

1. CONTRACTOR TO COORDINATE ALL TECHNOLOGY DEVICE REMOVALS WITH HAS TECHNOLOGY DIVISION PRIOR TO REMOVAL. SALVAGE ALL EXISTING IT EQUIPMENT AND TURN OVER TO HAS IT.

KEYED NOTES

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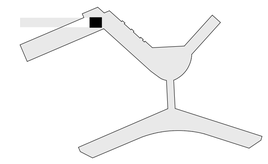
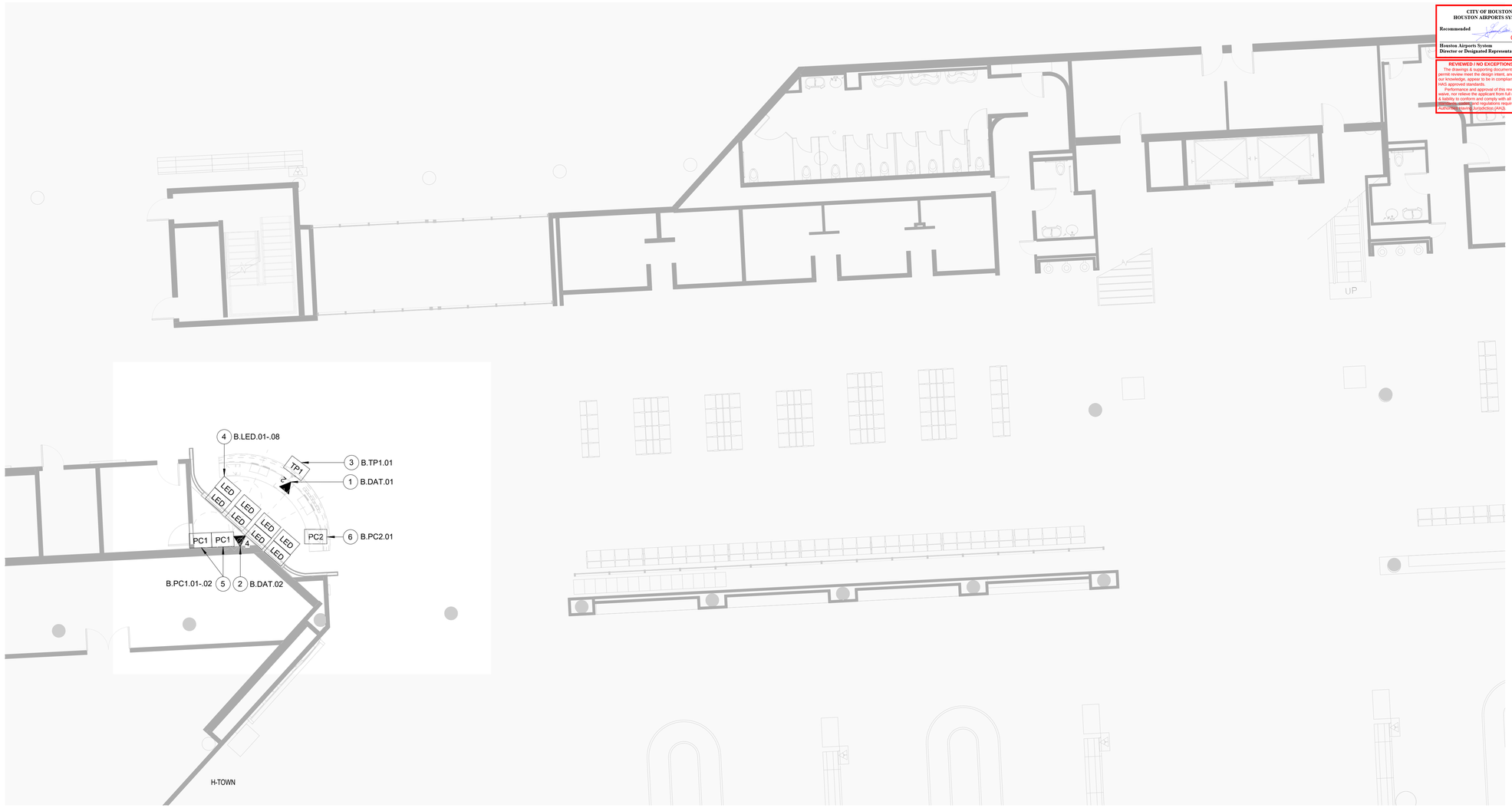


TIP NO. # TBD

SHEET NAME:	TECHNOLOGY - DEMOLITION PLAN - LEVEL 1 - AREA D
SHEET No.	T-105
SCALE:	As indicated

SHEET SIZE: 22"x34" ANSI-D



TECHNOLOGY - FLOOR PLAN - BAGGAGE CLAIM - AREA A | SCALE: 1/8" = 1'-0" | A2

GENERAL NOTES

1. TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.
2. SUBMIT DATASHEET FOR ALL EQUIPMENT FOR APPROVAL PRIOR TO INSTALLATION.

KEYED NOTES

1. CAT6 ROUTED THROUGH A 1"C. TO IDF 101.40 REFERENCE T-101 FOR IDF LOCATION. QUANTITY AS INDICATED.
2. CAT6 ROUTED THROUGH A 1"C. TO IDF 101.40 REFERENCE T-101 FOR IDF LOCATION. QUANTITY AS INDICATED. DEDICATED FOR LED WALL AND ITS PC.
3. IPAD AND ARCHITECTURAL SPECIFIED MOUNT. REFERENCE ARCHITECTURAL DRAWINGS. LIGHTING/USB CONNECTOR CONNECTED TO USB POWER HUB. REFERENCE MEP DRAWINGS.
4. LED VIDEO WALL. 4 X 2 NEC UN552S DISPLAYS. QUANTITY (8).
5. TYPE 1 COMPUTER. DEDICATED LED WALL VIDEO SOURCE. DELL OPTIPLEX 3080 SFF.
6. TYPE 2 COMPUTER. DEDICATED FOR HAS PERSONNEL. INCLUDE MONITOR, KEYYBOARD, AND MOUSE. DELL OPTIPLEX 3080 SFF. REFERENCE SPECIFICATIONS 272200.

HOUSTON AIRPORTS
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HOU INFORMATION COUNTER RENOVATION

C.I.P. No.	A.I.P. No.
C.O.H. No.	D.O.A No.

PGA ENGINEERS, INC
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Suite 550
Houston, TX 77032
346.570.2418
pgaengineers.com
TBPE FIRM #12493

DESIGNER PROJECT No.: 2020.017

PROJECT STATUS: 100% PERMIT, BID AND CONSTRUCTION

REVISIONS

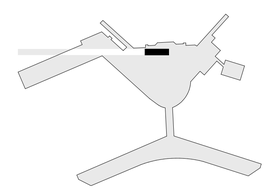
No.	DESCRIPTION	DATE	BY
	SCHEMATIC DESIGN	10.23.20	
	DESIGN DEVELOPMENT	12.04.20	
	95% OWNER REVIEW	09.24.21	
	100% PERMIT, BID AND CONSTRUCTION	11.08.21	

DESIGNER:	PGA
DRAWN BY:	AC
CHECKED BY:	JG
ISSUE DATE:	11/08/2021
APPROVED BY:	Approver
APPROVAL DATE:	

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/ Approval Category
IFP
ISSUED FOR PERMIT
Approved For Construction

STATE OF TEXAS
JOHN GRUENWALD
100039
LICENSED
PROFESSIONAL ENGINEER
11/08/2021



TIP NO. # TBD

SHEET NAME:	TECHNOLOGY - FLOOR PLAN - BAGGAGE CLAIM - AREA A
SHEET No.	T-106
SCALE:	As indicated

SHEET SIZE: 22"x34" ANSI-D

FILE PATH: C:\Users\acaruana\Desktop\HOU COUNTER\HOU INFORMATION COUNTER RENOVATION_acaruanaU75VK_detached.rvt
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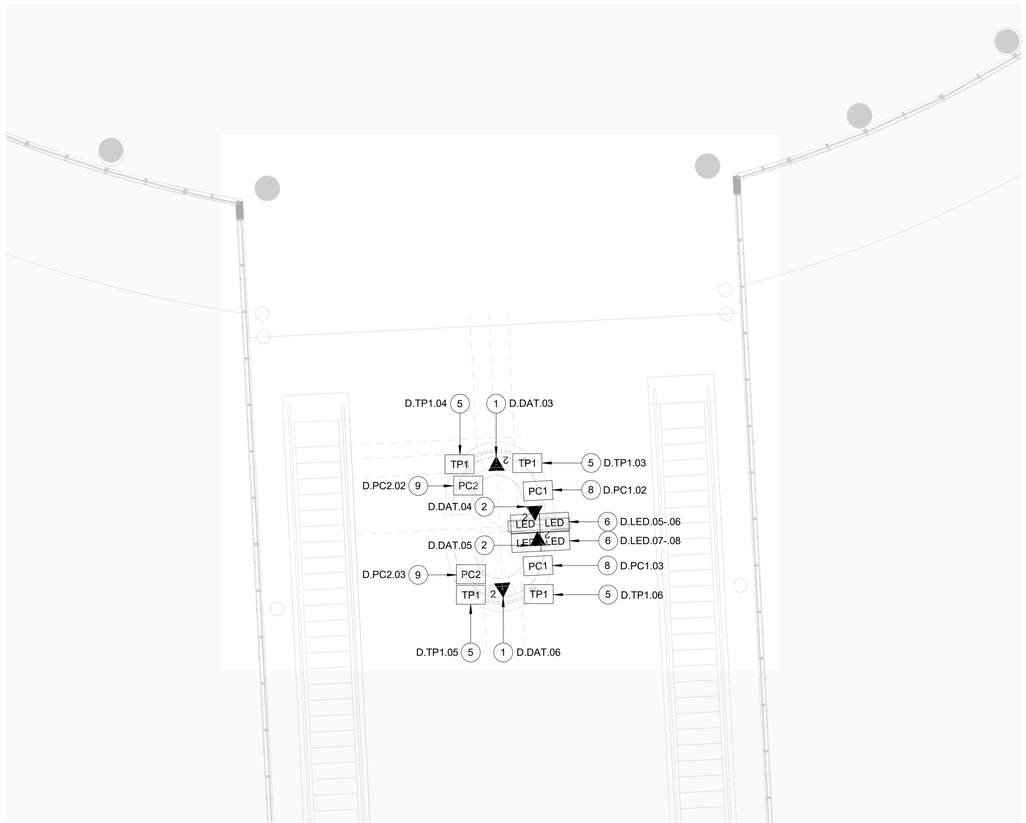
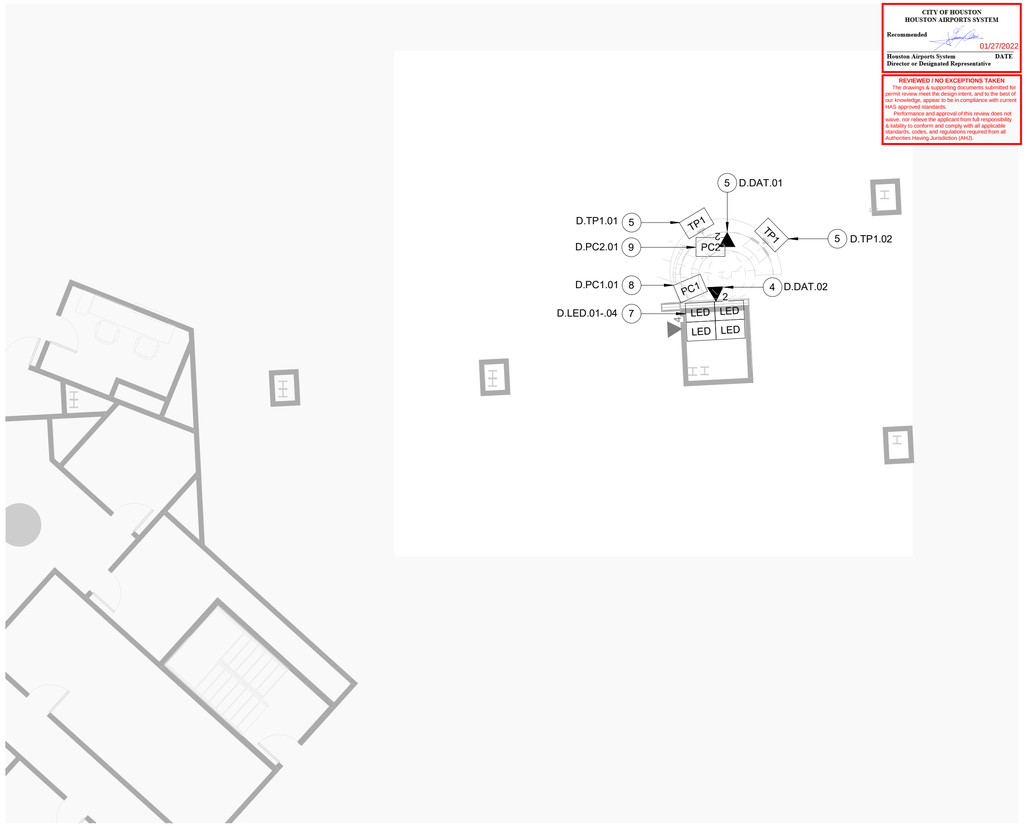
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :



NORTH

LVL 1 - FLOOR PLAN - AREA C SCALE: 1/8" = 1'-0" A2



NORTH

LVL 1 - FLOOR PLAN - AREA B SCALE: 1/8" = 1'-0" C2

1. TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.
2. SUBMIT DATASHEET FOR ALL EQUIPMENT FOR APPROVAL PRIOR TO INSTALLATION.

GENERAL NOTES

(1) CAT6 ROUTED THROUGH A 1"C. TO IDF 100.14. REFERENCE T-102 FOR IDF LOCATION. QUANTITY AS INDICATED.

(2) CAT6 ROUTED THROUGH A 1"C. TO IDF 100.14. REFERENCE T-102 FOR IDF LOCATION. QUANTITY AS INDICATED. DEDICATED FOR LED WALL.

(3) CAT6 ROUTED THROUGH A 1"C. TO IDF 102.44. REFERENCE T-102 FOR IDF LOCATION. QUANTITY AS INDICATED.

(4) CAT6 ROUTED THROUGH A 1"C. TO IDF 102.44. REFERENCE T-102 FOR IDF LOCATION. QUANTITY AS INDICATED. DEDICATED FOR LED WALL.

(5) IPAD AND OWNER SPECIFIED MOUNT. REFERENCE ARCHITECTURAL DRAWINGS. LIGHTING/USB CONNECTOR CONNECTED TO USB POWER HUB. REFERENCE MEP DRAWINGS.

(6) LED VIDEO WALL. 1 X 2 NEC UN552S DISPLAYS. QUANTITY (2).

(7) LED VIDEO WALL. 2 X 2 NEC UN552S DISPLAYS. QUANTITY (4).

(8) TYPE 1 COMPUTER. DEDICATED LED WALL VIDEO SOURCE. DELL OPTIPLEX 3080 SFF.

(9) TYPE 2 COMPUTER. DEDICATED FOR HAS PERSONNEL. INCLUDE MONITOR, KEYYBOARD, AND MOUSE. DELL OPTIPLEX 3080 SFF. REFERENCE SPECIFICATIONS 272200.

KEYED NOTES

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM

Recommended 01/27/2022
Houston Airports System Director or Designated Representative — DATE

REVIEWED / NO EXCEPTIONS TAKEN

The drawings & supporting documents submitted for permit review meet the design intent, and to the best of our knowledge, appear to be in compliance with current HAS approved standards.

Performance and approval of this review does not waive, nor relieve the applicant from full responsibility & liability to conform and comply with all applicable standards, codes, and regulations required from all Authorities Having Jurisdiction (AHJ).

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C.O.H. No.	D.O.A No.

PGA ENGINEERS, INC
3838 N Sam Houston Pkwy E,
Suite 550
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346.570.2418
pgaengineers.com
TBPE FIRM #12493

DESIGNER PROJECT No.: 2020.017

PROJECT STATUS: 100% PERMIT, BID AND CONSTRUCTION

REVISIONS

No.	DESCRIPTION	DATE	BY
	SCHEMATIC DESIGN	10.23.20	
	DESIGN DEVELOPMENT	12.04.20	
	95% OWNER REVIEW	09.24.21	
	100% PERMIT, BID AND CONSTRUCTION	11.08.21	

DESIGNER:	PGA
DRAWN BY:	AC
CHECKED BY:	JG
ISSUE DATE:	11/08/2021
APPROVED BY:	Approver
APPROVAL DATE:	

DIRECTOR
of
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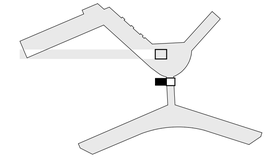
Review/ Approval Category
IFP — ISSUED FOR PERMIT
Approved For Construction

STATE OF TEXAS
JOHN GRUENWALD
100039
LICENSED
PROFESSIONAL ENGINEER
11/08/2021

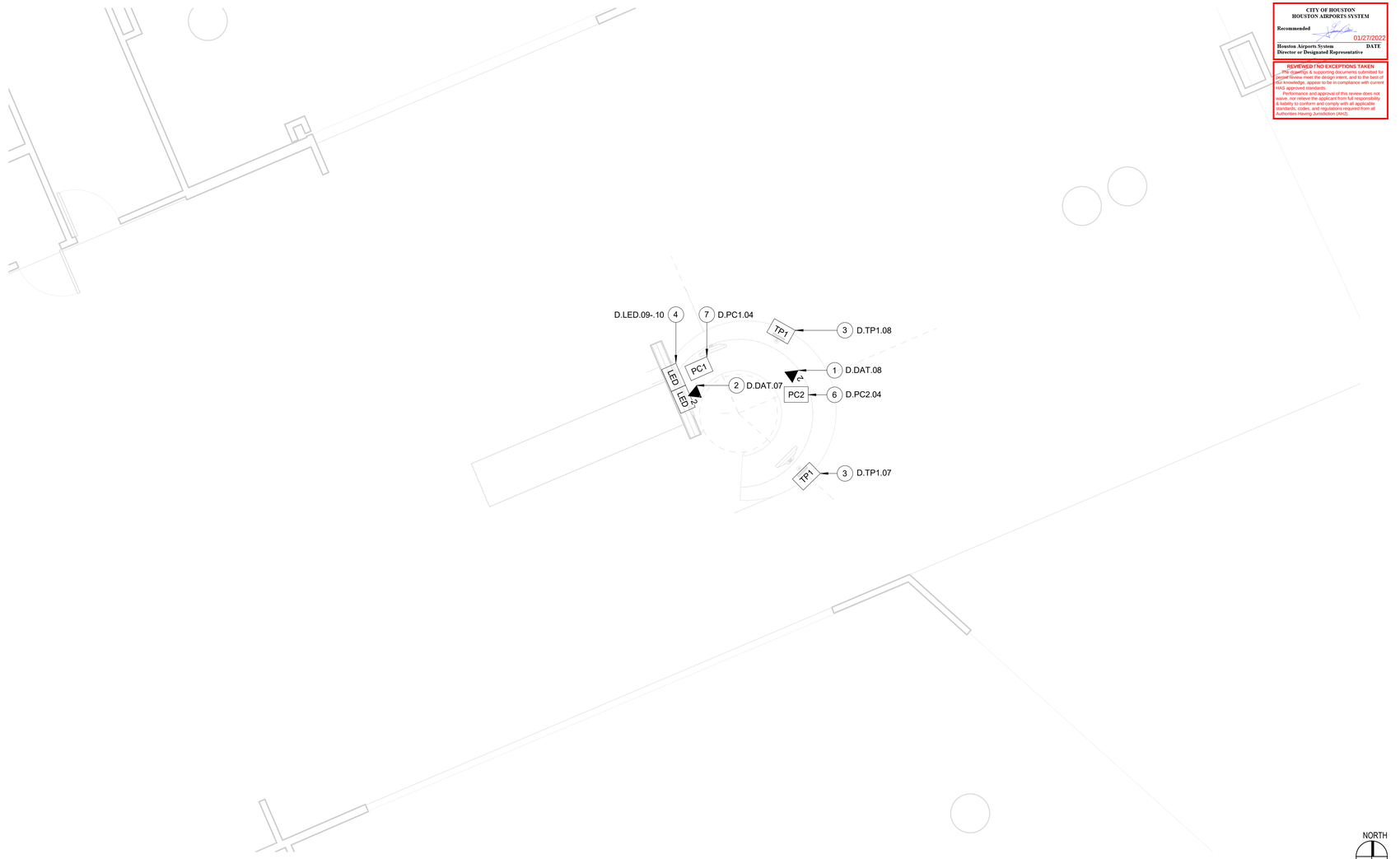


TIP NO. # TBD

SHEET NAME:	TECHNOLOGY - FLOOR PLAN - LEVEL 1 - AREAS B AND C
SHEET No.	T-107
SCALE:	As indicated

SHEET SIZE: 22"x34" ANSI-D

FILE PATH: C:\Users\acaruana\Desktop\HOU COUNTER\HOU INFO COUNTER RENOVATION_acaruanaU75VK_detached.rvt
HAS FILE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :



LVL 1 - FLOOR PLAN - AREA D SCALE: 1/4" = 1'-0" A2

1. TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.
2. SUBMIT DATASHEET FOR ALL EQUIPMENT FOR APPROVAL PRIOR TO INSTALLATION.

GENERAL NOTES

(1) CAT6 ROUTED THROUGH A 1"C. TO IDF 313.10 REFERENCE T-101 FOR IDF LOCATION. QUANTITY AS INDICATED.

(2) CAT6 ROUTED THROUGH A 1"C. TO IDF 313.10 REFERENCE T-101 FOR IDF LOCATION. QUANTITY AS INDICATED. DEDICATED FOR LED WALL AND ITS PC.

(3) IPAD AND OWNER SPECIFIED MOUNT. REFERENCE ARCHITECTURAL DRAWINGS. LIGHTING/USB CONNECTOR CONNECTED TO USB POWER HUB. REFERENCE MEP DRAWINGS.

(4) LED VIDEO WALL. 1 X 2 NEC UN552S DISPLAYS. QUANTITY (2).

(5) TYPE 1 COMPUTER. DEDICATED LED WALL VIDEO SOURCE. DELL OPTIPLEX 3080 SFF.

(6) TYPE 2 COMPUTER. DEDICATED FOR HAS PERSONNEL. INCLUDE MONITOR, KEYYBOARD, AND MOUSE. DELL OPTIPLEX 3080 SFF. REFERENCE SPECIFICATIONS 272200.

KEYED NOTES

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM

Recommended

01/27/2022

Houston Airports System Director or Designated Representative — DATE

REVIEWED / NO EXCEPTIONS TAKEN

The contractor's submittals & supporting documents submitted for design review meet the design intent, and to the best of our knowledge, appear to be in compliance with current HAS approved standards.

Performance and approval of this review does not waive, nor relieve the applicant from full responsibility for the design and construction to all applicable standards, codes, and regulations required from all Authorities Having Jurisdiction (AHJ).

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DESIGNER PROJECT No.: 2020.017

PROJECT STATUS: 100% PERMIT, BID AND CONSTRUCTION

REVISIONS

No.	DESCRIPTION	DATE	BY
	SCHEMATIC DESIGN	10.23.20	
	DESIGN DEVELOPMENT	12.04.20	
	95% OWNER REVIEW	09.24.21	
	100% PERMIT, BID AND CONSTRUCTION	11.08.21	

DESIGNER:	PGA
DRAWN BY:	AC
CHECKED BY:	JG
ISSUE DATE:	11/08/2021
APPROVED BY:	Approver
APPROVAL DATE:	

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/ Approval Category

IFP
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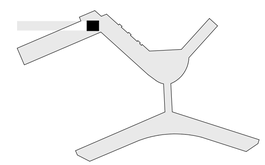
Approved For Construction

STATE OF TEXAS
JOHN GRUENWALD
100039
LICENSED
PROFESSIONAL ENGINEER
11/08/2021



TIP NO. # TBD

SHEET NAME:	TECHNOLOGY - FLOOR PLAN - LEVEL 1 - AREA D
SHEET No. T-108	SCALE: As indicated

SHEET SIZE: 22"x34" ANSI-D

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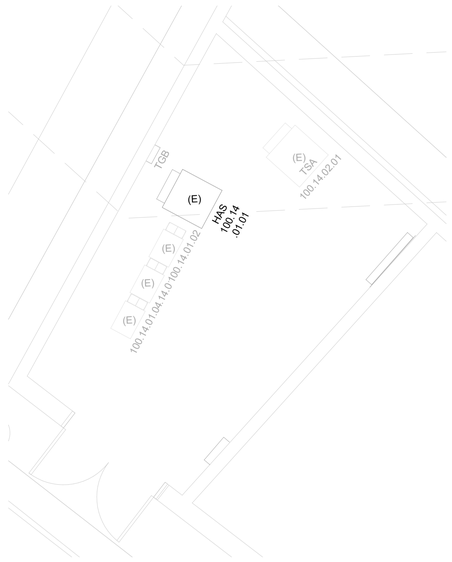
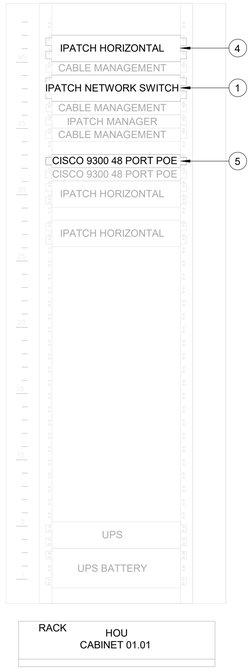
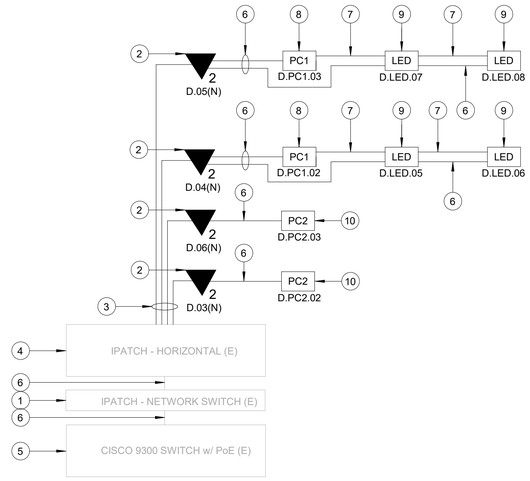
HAS FILE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :



IDF 100.14 FLOORPLAN SCALE: 1/4" = 1'-0" A2



IDF 100.14 RACK SCALE: 1" = 10'-0" B2



IDF 100.14 ONE LINE DIAGRAM SCALE: NTS C2

GENERAL NOTES

1. TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.

KEYED NOTES

1. IPATCH NETWORK SWITCH. (E) USE PORTS 37-40 UNLESS OTHERWISE DIRECTED BY HAS IT.
2. CATEGORY 6 DATA RECEPTACLE. DEFINED ON SYMBOLS SHEET. (N)
3. CAT6 ROUTED THROUGH A 1"C. QUANTITY AS INDICATED. (N)
4. IPATCH HORIZONTAL. (E) USE PORTS 45-48 UNLESS OTHER DIRECTED BY HAS IT.
5. CISCO 9300 NETWORK SWITCH, "HOU-W6-9308-2." (E)
6. CAT6 PATCH CORD. (N)
7. HDMI CABLE. (N)
8. DELL 3080 SFF PC. (N)
9. NEC LED 55" DISPLAY PANEL. (N)
10. HAS PERSONNEL PC. REFERENCE SPECIFICATIONS 272200. (N)

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM
Recommended
01/27/2022
Houston Airports System Director or Designated Representative — DATE

REVIEWED / NO EXCEPTIONS TAKEN
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HOUSTON AIRPORTS

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346.570.2418
pgaengineers.com
TBPE FIRM #12493

DESIGNER PROJECT No.: 2020.017

PROJECT STATUS: 100% PERMIT, BID AND CONSTRUCTION

REVISIONS

No.	DESCRIPTION	DATE	BY
	SCHEMATIC DESIGN	10.23.20	
	DESIGN DEVELOPMENT	12.04.20	
	95% OWNER REVIEW	09.24.21	
	100% PERMIT, BID AND CONSTRUCTION	11.08.21	

DESIGNER:	PGA
DRAWN BY:	AC
CHECKED BY:	JG
ISSUE DATE:	11/08/2021
APPROVED BY:	Approver
APPROVAL DATE:	

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/ Approval Category
IFP
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Approved For Construction

STATE OF TEXAS
JOHN GRUENWALD
100039
LICENSED
PROFESSIONAL ENGINEER
11/08/2021

TIP NO. # TBD

SHEET NAME:	TECHNOLOGY - IDF 100.14 ENLARGED PLAN
SHEET No.	T-401
SCALE:	As indicated

SHEET SIZE: 22"x34" ANSI-D

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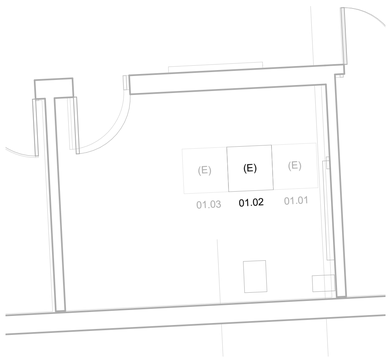
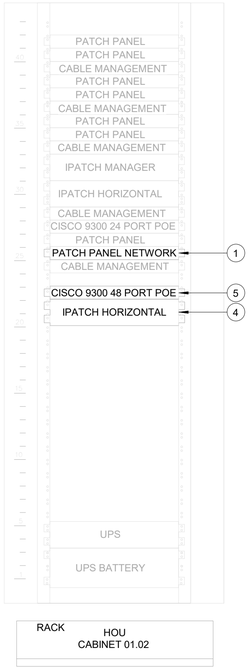
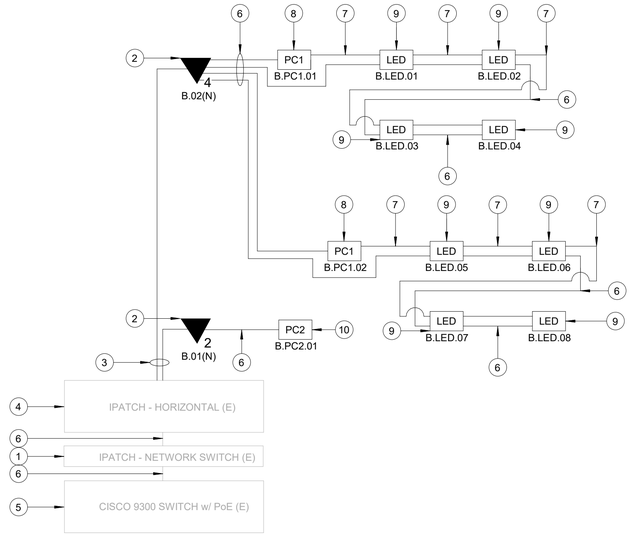


IDF 101.40 FLOORPLAN SCALE: 1/4" = 1'-0" A2



IDF 101.40 RACK SCALE: 1" = 10'-0" B2



IDF 101.40 ONE LINE DIAGRAM SCALE: NTS C2

GENERAL NOTES

1. TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.

KEYED NOTES

1. PATCH PANEL NETWORK SWITCH. (E) USE PORTS 37-42 UNLESS OTHERWISE DIRECTED BY HAS IT.
2. CATEGORY 6 DATA RECEPTACLE. DEFINED ON SYMBOLS SHEET. (N)
3. CAT6 ROUTED THROUGH A 1"C. QUANTITY AS INDICATED. (N)
4. IPATCH HORIZONTAL. (E) USE PORTS 37-42 UNLESS OTHERWISE DIRECTED BY HAS IT.
5. CISCO 9300 NETWORK SWITCH, "HOU-101.40-9308-2." (E)
6. CAT6 PATCH CORD. (N)
7. HDMI CABLE. (N)
8. DELL 3080 SFF PC. (N)
9. NEC LED 55" DISPLAY PANEL. (N)
10. HAS PERSONNEL PC. REFERENCE SPECIFICATIONS 272200. (N)

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HOU INFORMATION COUNTER RENOVATION

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TBPE FIRM #12493

DESIGNER PROJECT No.: 2020.017

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REVISIONS

No.	DESCRIPTION	DATE	BY
	SCHEMATIC DESIGN	10.23.20	
	DESIGN DEVELOPMENT	12.04.20	
	95% OWNER REVIEW	09.24.21	
	100% PERMIT, BID AND CONSTRUCTION	11.08.21	

DESIGNER:	PGA
DRAWN BY:	AC
CHECKED BY:	JG
ISSUE DATE:	11/08/2021
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STATE OF TEXAS
JOHN GRUENWALD
100039
LICENSED
PROFESSIONAL ENGINEER
11/08/2021

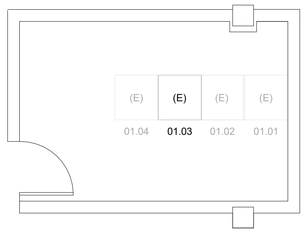
TIP NO. # TBD

SHEET NAME: TECHNOLOGY - IDF 101.40 ENLARGED PLAN

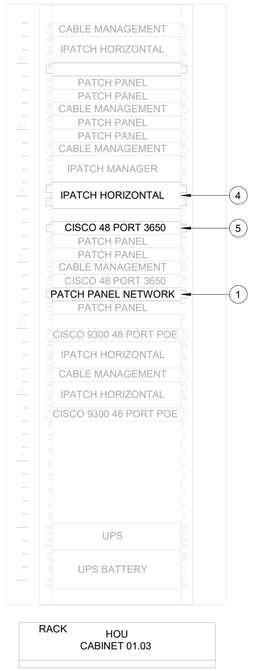
SHEET No. T-402 **SCALE:** As indicated

SHEET SIZE: 22"x34" ANSI-D

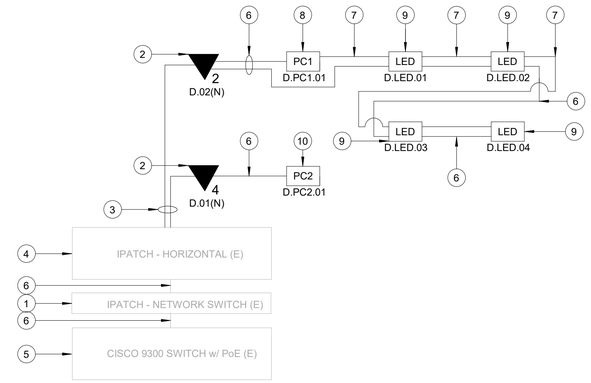
FILE PATH: C:\Users\acaruana\Desktop\HOU COUNTER\HOU INFO COUNTER RENOVATION_acaruanaU75VK_detached.rvt
HAS FILE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :



IDF 102.44 FLOORPLAN SCALE: 1/2"=1'-0" A2



IDF 102.44 RACK SCALE: 1" = 10'-0" B2



IDF 102.44 ONE LINE DIAGRAM SCALE: NTS C2

GENERAL NOTES

1. TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.

KEYED NOTES

1. PATCH PANEL NETWORK SWITCH. (E) USE PORTS 13-16 UNLESS OTHERWISE DIRECTED BY HAS IT.
2. CATEGORY 6 DATA RECEPTACLE. DEFINED ON SYMBOLS SHEET. (N)
3. CAT6 ROUTED THROUGH A 1"C. QUANTITY AS INDICATED. (N)
4. IPATCH HORIZONTAL. (E) USE PORTS 43-46 UNLESS OTHERWISE DIRECTED BY HAS IT.
5. CISCO 3650 NETWORK SWITCH, "HOU-102.44-3658-1." (E)
6. CAT6 PATCH CORD. (N)
7. HDMI CABLE. (N)
8. DELL 3080 SFF PC. (N)
9. NEC LED 55" DISPLAY PANEL. (N)
10. HAS PERSONNEL PC. REFERENCE SPECIFICATIONS 272200. (N)

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM
Recommended
01/27/2022
Houston Airports System Director or Designated Representative — DATE

REVIEWED / NO EXCEPTIONS TAKEN
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HOUSTON AIRPORTS

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Houston, TX 77061

HOU INFORMATION COUNTER RENOVATION

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C.O.H. No.	D.O.A No.

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DESIGNER PROJECT No.: 2020.017

PROJECT STATUS: 100% PERMIT, BID AND CONSTRUCTION

REVISIONS

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	SCHEMATIC DESIGN	10.23.20	
	DESIGN DEVELOPMENT	12.04.20	
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	100% PERMIT, BID AND CONSTRUCTION	11.08.21	

DESIGNER:	PGA
DRAWN BY:	AC
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JOHN GRUENWALD
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LICENSED
PROFESSIONAL ENGINEER
11/08/2021

TIP NO. # TBD

SHEET NAME:	TECHNOLOGY - IDF 102.44 ENLARGED PLAN
SHEET No.	T-403
SCALE:	As indicated

SHEET SIZE: 22"x34" ANSI-D

FILE PATH: C:\Users\acaruana\Desktop\HOU COUNTER\HOU INFO COUNTER RENOVATION_acaruanaU75VK_detached.rvt
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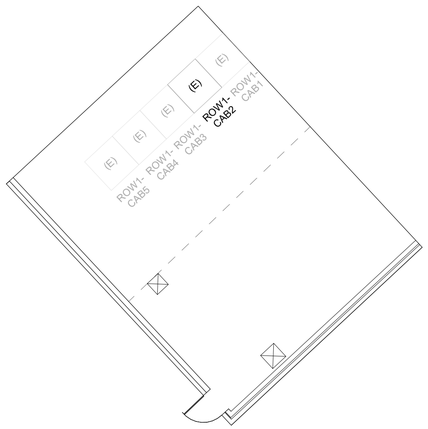
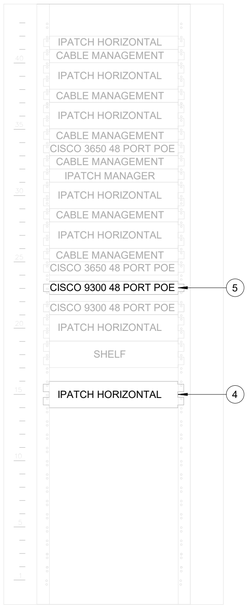
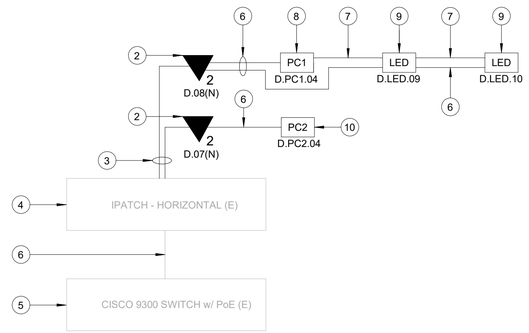
DOA DWG FILE:
OLD DOA No. :



IDF 313.10 FLOORPLAN SCALE: 1/4" = 1'-0" A2



IDF 313.10 RACK SCALE: 1" = 10'-0" 1



IDF 313.10 ONE LINE DIAGRAM SCALE: NTS C2

GENERAL NOTES

1. TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27.

KEYED NOTES

1. IPATCH NETWORK SWITCH. NOT PICTURED, AND NOT USED IN THIS CABINET. EXISTING CABLE IS RUN DIRECTLY TO "HOU-313.10-9308-23," FROM IPATCH HORIZONTAL. UTILIZE THIS METHOD UNLESS OTHERWISE DIRECTED BY HAS IT.
2. CATEGORY 6 DATA RECEPTACLE. DEFINED ON SYMBOLS SHEET. (N)
3. CAT6 ROUTED THROUGH A 1"C. QUANTITY AS INDICATED. (N)
4. IPATCH HORIZONTAL. (E) USE PORTS 1-4 UNLESS OTHERWISE DIRECTED BY HAS IT.
5. CISCO 9300 NETWORK SWITCH, "HOU-313.10-9308-23." (E) USE PORTS 43-46 UNLESS OTHERWISE DIRECTED BY HAS IT.
6. CAT6 PATCH CORD. (N)
7. HDMI CABLE. (N)
8. DELL 3080 SFF PC. (N)
9. NEC LED 55" DISPLAY PANEL. (N)
10. HAS PERSONNEL PC. REFERENCE SPECIFICATIONS 272200. (N)

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HOU INFORMATION COUNTER RENOVATION

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C.O.H. No.	D.O.A No.

PGA ENGINEERS, INC
3838 N Sam Houston Pkwy E,
Suite 550
Houston, TX 77032
346.570.2418
pgaengineers.com
TBPE FIRM #12493

DESIGNER PROJECT No.: 2020.017

PROJECT STATUS: 100% PERMIT, BID AND CONSTRUCTION

REVISIONS

No.	DESCRIPTION	DATE	BY
	SCHEMATIC DESIGN	10.23.20	
	DESIGN DEVELOPMENT	12.04.20	
	95% OWNER REVIEW	09.24.21	
	100% PERMIT, BID AND CONSTRUCTION	11.08.21	

DESIGNER:	PGA
DRAWN BY:	AC
CHECKED BY:	JG
ISSUE DATE:	11/08/2021
APPROVED BY:	Approver
APPROVAL DATE:	

DIRECTOR
of
HOUSTON AIRPORT SYSTEM

Review/ Approval Category
IFP
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Approved For Construction

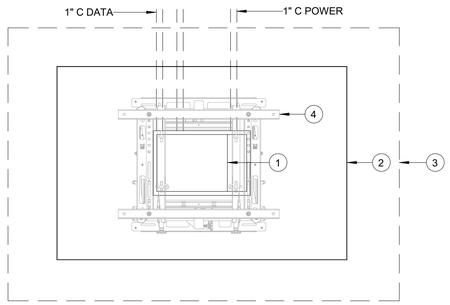
STATE OF TEXAS
JOHN GRUENWALD
100039
LICENSED
PROFESSIONAL ENGINEER
11/08/2021

TIP NO. # TBD

SHEET NAME:	TECHNOLOGY - IDF 313.10 ENLARGED PLAN
SHEET No.	T-404
SCALE:	As indicated

SHEET SIZE: 22"x34" ANSI-D

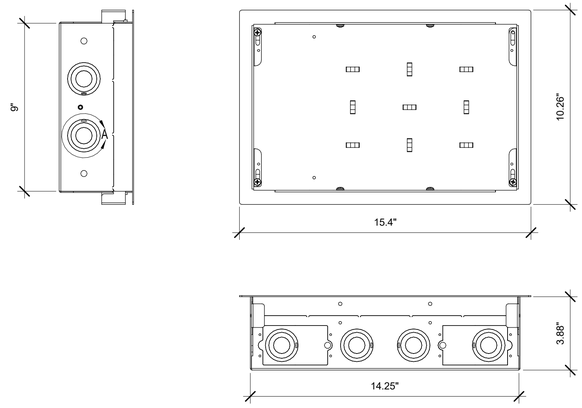
FILE PATH: C:\Users\acaruana\Desktop\HOU COUNTER\HOU INFORMATION COUNTER RENOVATION_acaruanaU75VK_detached.rvt
HAS FILE:
PLOT DATE:
DOA DWG FILE:
OLD DOA No. :



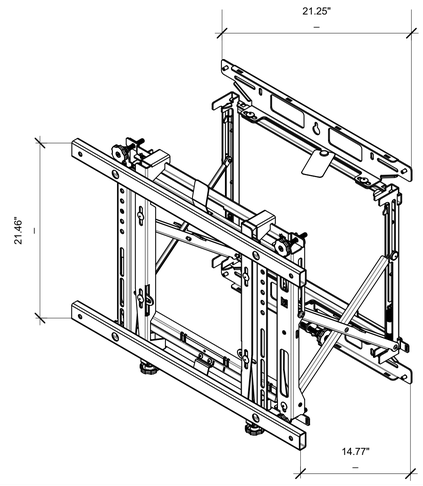
DETAIL NOTES:

1. 14.25" W x 9" H x 3.88" D (INTERNAL) FLUSH MOUNT WALL BOX WITH 120 VAC AND DATA RECEPTACLES BEHIND FIXED PANEL DISPLAY.CHIEF PAC525. REFERENCE DETAIL C3/T-501.
2. NEC UN552S DISPLAY. DETAIL SHOWS FIRST DISPLAY IN THE CHAIN.
3. 3/4" FIRE-RATED PLYWOOD BLOCKING. REFERENCE ARCHITECTURAL DRAWINGS.
4. 21.25"W X 21.46"H X 3.15" - 14.77"D VIDEO WALL DISPLAY MOUNT. PEERLESS DS-VW775. REFERENCE DETAIL C2/T-501. MUST INCLUDE PEERLESS DS-VWRS090 WALL SPACER WITH EACH MOUNT.

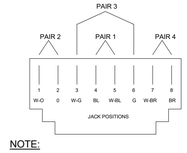
DETAILS - NEC PANEL INSTALLTION | SCALE: NTS | A3



DETAILS - PAC525 WALL BACK BOX | SCALE: NTS | C3



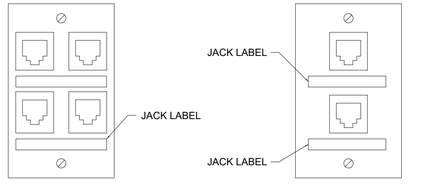
DETAILS - VIDEO WALL DISPLAY MOUNT | SCALE: NTS | C2



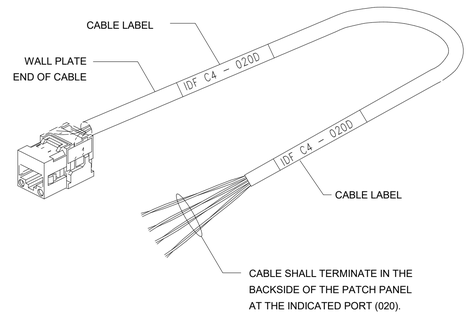
NOTE:

ALL DEVICES WIRED T568B AS SHOWN.

DETAILS - 568B WIRING DIAGRAM | SCALE: 6" = 1'-0" | A1



DETAILS - COVERPLATE | SCALE: 6" = 1'-0" | B1



DETAILS - COMMUNICATIONS CABLE LABELING | SCALE: 12" = 1'-0" | C1

CITY OF HOUSTON
HOUSTON AIRPORTS SYSTEM
Recommended
01/27/2022
Houston Airports System Director or Designated Representative — DATE

REVIEWED / NO EXCEPTIONS TAKEN
The drawings & supporting documents submitted for permit review meet the design intent, and to the best of our knowledge, appear to be in compliance with current HAS approved standards.
Performance and approval of this review does not waive, nor relieve the applicant from full responsibility & liability to conform and comply with all applicable standards, codes, and regulations required from all Authorities Having Jurisdiction (AHJ).

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11/08/2021

TIP NO. # TBD

SHEET NAME:	TECHNOLOGY - EQUIPMENT DETAILS
SHEET No.	T-501
SCALE:	As indicated

SHEET SIZE: 22"x34" ANSI-D

FILE PATH: C:\Users\acaruana\Desktop\HOU COUNTER\HOU INFO COUNTER RENOVATION_acaruanaU75VK_detached.rvt
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PLOT DATE:
DOA DWG FILE:
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The drawings & supporting documents submitted for permit review meet the design intent, and to the best of my knowledge, appear to be in compliance with current HAS criteria and standards.
Performance and approval of this review does not waive, nor relieve the applicant from full responsibility & liability to conform and comply with all applicable standards, codes, and regulations required from all Authorities Having Jurisdiction (AHJ).

EQUIPMENT SCHEDULE

DEVICE ID	LOCATION	TERMINATING IDF	TYPE	MANUFACTURER	MODEL	COMMENTS
B.DAT.01	BAGGAGE CLAIM - AREA A	101.40	DATA OUTLET	COMMSCOPE	REFER TO SPECIFICATIONS	
B.DAT.02	BAGGAGE CLAIM - AREA A	101.40	DATA OUTLET	COMMSCOPE	REFER TO SPECIFICATIONS	
B.LED.01	BAGGAGE CLAIM - AREA A	101.40	LED DISPLAY PANEL	NEC	UN552S	
B.LED.02	BAGGAGE CLAIM - AREA A	101.40	LED DISPLAY PANEL	NEC	UN552S	
B.LED.03	BAGGAGE CLAIM - AREA A	101.40	LED DISPLAY PANEL	NEC	UN552S	
B.LED.04	BAGGAGE CLAIM - AREA A	101.40	LED DISPLAY PANEL	NEC	UN552S	
B.LED.05	BAGGAGE CLAIM - AREA A	101.40	LED DISPLAY PANEL	NEC	UN552S	
B.LED.06	BAGGAGE CLAIM - AREA A	101.40	LED DISPLAY PANEL	NEC	UN552S	
B.LED.07	BAGGAGE CLAIM - AREA A	101.40	LED DISPLAY PANEL	NEC	UN552S	
B.LED.08	BAGGAGE CLAIM - AREA A	101.40	LED DISPLAY PANEL	NEC	UN552S	
B.MNT.01	BAGGAGE CLAIM - AREA A	N/A	LED DISPLAY PANEL MOUNT	PEERLESS	DS-VW775	MUST INCLUDE PEERLESS DS-VWRS090 WALL SPACER
B.MNT.02	BAGGAGE CLAIM - AREA A	N/A	LED DISPLAY PANEL MOUNT	PEERLESS	DS-VW775	MUST INCLUDE PEERLESS DS-VWRS090 WALL SPACER
B.MNT.03	BAGGAGE CLAIM - AREA A	N/A	LED DISPLAY PANEL MOUNT	PEERLESS	DS-VW775	MUST INCLUDE PEERLESS DS-VWRS090 WALL SPACER
B.MNT.04	BAGGAGE CLAIM - AREA A	N/A	LED DISPLAY PANEL MOUNT	PEERLESS	DS-VW775	MUST INCLUDE PEERLESS DS-VWRS090 WALL SPACER
B.MNT.05	BAGGAGE CLAIM - AREA A	N/A	LED DISPLAY PANEL MOUNT	PEERLESS	DS-VW775	MUST INCLUDE PEERLESS DS-VWRS090 WALL SPACER
B.MNT.06	BAGGAGE CLAIM - AREA A	N/A	LED DISPLAY PANEL MOUNT	PEERLESS	DS-VW775	MUST INCLUDE PEERLESS DS-VWRS090 WALL SPACER
B.MNT.07	BAGGAGE CLAIM - AREA A	N/A	LED DISPLAY PANEL MOUNT	PEERLESS	DS-VW775	MUST INCLUDE PEERLESS DS-VWRS090 WALL SPACER
B.MNT.08	BAGGAGE CLAIM - AREA A	N/A	LED DISPLAY PANEL MOUNT	PEERLESS	DS-VW775	MUST INCLUDE PEERLESS DS-VWRS090 WALL SPACER
B.PC1.01	BAGGAGE CLAIM - AREA A	101.40	TYPE 1 PC	DELL	3080 SFF	REFER TO SPECIFICATION 272200
B.PC1.02	BAGGAGE CLAIM - AREA A	101.40	TYPE 1 PC	DELL	3080 SFF	REFER TO SPECIFICATION 272200
B.PC2.01	BAGGAGE CLAIM - AREA A	101.40	TYPE 2 PC	DELL	3080 SFF	REFER TO SPECIFICATION 272200
B.TP1.01	BAGGAGE CLAIM - AREA A	N/A	IPAD	APPLE	8TH GENERATION 64 GB SSD	
D.DAT.01	LEVEL 1 - AREA B	102.44	DATA OUTLET	COMMSCOPE	REFER TO SPECIFICATIONS	
D.DAT.02	LEVEL 1 - AREA B	102.44	DATA OUTLET	COMMSCOPE	REFER TO SPECIFICATIONS	
D.LED.01	LEVEL 1 - AREA B	102.44	LED DISPLAY PANEL	NEC	UN552S	
D.LED.02	LEVEL 1 - AREA B	102.44	LED DISPLAY PANEL	NEC	UN552S	
D.LED.03	LEVEL 1 - AREA B	102.44	LED DISPLAY PANEL	NEC	UN552S	
D.LED.04	LEVEL 1 - AREA B	102.44	LED DISPLAY PANEL	NEC	UN552S	
D.MNT.01	LEVEL 1 - AREA B	N/A	LED DISPLAY PANEL MOUNT	PEERLESS	DS-VW775	MUST INCLUDE PEERLESS DS-VWRS090 WALL SPACER
D.MNT.02	LEVEL 1 - AREA B	N/A	LED DISPLAY PANEL MOUNT	PEERLESS	DS-VW775	MUST INCLUDE PEERLESS DS-VWRS090 WALL SPACER
D.MNT.03	LEVEL 1 - AREA B	N/A	LED DISPLAY PANEL MOUNT	PEERLESS	DS-VW775	MUST INCLUDE PEERLESS DS-VWRS090 WALL SPACER
D.MNT.04	LEVEL 1 - AREA B	N/A	LED DISPLAY PANEL MOUNT	PEERLESS	DS-VW775	MUST INCLUDE PEERLESS DS-VWRS090 WALL SPACER
D.PC1.01	LEVEL 1 - AREA B	102.44	TYPE 1 PC	DELL	3080 SFF	REFER TO SPECIFICATION 272200
D.PC2.01	LEVEL 1 - AREA B	102.44	TYPE 2 PC	DELL	3080 SFF	REFER TO SPECIFICATION 272200
D.TP1.01	LEVEL 1 - AREA B	N/A	IPAD	APPLE	8TH GENERATION 64 GB SSD	
D.TP1.02	LEVEL 1 - AREA B	N/A	IPAD	APPLE	8TH GENERATION 64 GB SSD	
D.DAT.03	LEVEL 1 - AREA C	100.14	DATA OUTLET	COMMSCOPE	REFER TO SPECIFICATIONS	
D.DAT.04	LEVEL 1 - AREA C	100.14	DATA OUTLET	COMMSCOPE	REFER TO SPECIFICATIONS	
D.DAT.05	LEVEL 1 - AREA C	100.14	DATA OUTLET	COMMSCOPE	REFER TO SPECIFICATIONS	
D.DAT.06	LEVEL 1 - AREA C	100.14	DATA OUTLET	COMMSCOPE	REFER TO SPECIFICATIONS	
D.LED.05	LEVEL 1 - AREA C	100.14	LED DISPLAY PANEL	NEC	UN552S	
D.LED.06	LEVEL 1 - AREA C	100.14	LED DISPLAY PANEL	NEC	UN552S	
D.LED.07	LEVEL 1 - AREA C	100.14	LED DISPLAY PANEL	NEC	UN552S	
D.LED.08	LEVEL 1 - AREA C	100.14	LED DISPLAY PANEL	NEC	UN552S	
D.MNT.05	LEVEL 1 - AREA C	N/A	LED DISPLAY PANEL MOUNT	PEERLESS	DS-VW775	MUST INCLUDE PEERLESS DS-VWRS090 WALL SPACER
D.MNT.06	LEVEL 1 - AREA C	N/A	LED DISPLAY PANEL MOUNT	PEERLESS	DS-VW775	MUST INCLUDE PEERLESS DS-VWRS090 WALL SPACER
D.MNT.07	LEVEL 1 - AREA C	N/A	LED DISPLAY PANEL MOUNT	PEERLESS	DS-VW775	MUST INCLUDE PEERLESS DS-VWRS090 WALL SPACER
D.MNT.08	LEVEL 1 - AREA C	N/A	LED DISPLAY PANEL MOUNT	PEERLESS	DS-VW775	MUST INCLUDE PEERLESS DS-VWRS090 WALL SPACER
D.PC1.02	LEVEL 1 - AREA C	100.14	TYPE 1 PC	DELL	3080 SFF	REFER TO SPECIFICATION 272200
D.PC1.03	LEVEL 1 - AREA C	100.14	TYPE 1 PC	DELL	3080 SFF	REFER TO SPECIFICATION 272200
D.PC2.02	LEVEL 1 - AREA C	100.14	TYPE 2 PC	DELL	3080 SFF	REFER TO SPECIFICATION 272200
D.PC2.03	LEVEL 1 - AREA C	100.14	TYPE 2 PC	DELL	3080 SFF	REFER TO SPECIFICATION 272200
D.TP1.03	LEVEL 1 - AREA C	N/A	IPAD	APPLE	8TH GENERATION 64 GB SSD	
D.TP1.04	LEVEL 1 - AREA C	N/A	IPAD	APPLE	8TH GENERATION 64 GB SSD	
D.TP1.05	LEVEL 1 - AREA C	N/A	IPAD	APPLE	8TH GENERATION 64 GB SSD	
D.TP1.06	LEVEL 1 - AREA C	N/A	IPAD	APPLE	8TH GENERATION 64 GB SSD	
D.DAT.07	LEVEL 1 - AREA D	313.10	DATA OUTLET	COMMSCOPE	REFER TO SPECIFICATIONS	
D.DAT.08	LEVEL 1 - AREA D	313.10	DATA OUTLET	COMMSCOPE	REFER TO SPECIFICATIONS	
D.LED.09	LEVEL 1 - AREA D	313.10	LED DISPLAY PANEL	NEC	UN552S	
D.LED.10	LEVEL 1 - AREA D	313.10	LED DISPLAY PANEL	NEC	UN552S	
D.MNT.09	LEVEL 1 - AREA D	N/A	LED DISPLAY PANEL MOUNT	PEERLESS	DS-VW775	MUST INCLUDE PEERLESS DS-VWRS090 WALL SPACER
D.MNT.10	LEVEL 1 - AREA D	N/A	LED DISPLAY PANEL MOUNT	PEERLESS	DS-VW775	MUST INCLUDE PEERLESS DS-VWRS090 WALL SPACER
D.PC1.04	LEVEL 1 - AREA D	313.10	TYPE 1 PC	DELL	3080 SFF	REFER TO SPECIFICATION 272200
D.PC2.04	LEVEL 1 - AREA D	313.10	TYPE 2 PC	DELL	3080 SFF	REFER TO SPECIFICATION 272200
D.TP1.07	LEVEL 1 - AREA D	N/A	IPAD	APPLE	8TH GENERATION 64 GB SSD	
D.TP1.08	LEVEL 1 - AREA D	N/A	IPAD	APPLE	8TH GENERATION 64 GB SSD	

EQUIPMENT SCHEDULE SCALE: 3/32" = 1'-0" A1

FILE PATH: C:\Users\acaruana\Desktop\HOU COUNTER\HOU INFO COUNTER RENOVATION_acaruana\U75VK_detached.rvt
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TIP NO. # TBD

SHEET NAME:	TECHNOLOGY - EQUIPMENT SCHEDULE
SHEET No.	T-601
SCALE:	3/32" = 1'-0"

SHEET SIZE: 22"x34" ANSI-D