



HOU-TERMINAL - SECURITY EXIT LANE

SECURE EXIT LANE BREACH CONTROL

WILLIAM P. HOBBY AIRPORT

7800 AIRPORT BLVD.
HOUSTON, TX 77061



**ARCHITECTURE
ENGINEERING
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ALEXANDRIA
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ARCHITECT



PGAL
3131 Briarpark Drive
Suite 200
Houston, TX 77042
T 713-622-1444

MEP



VOLT AIR
5353 West Alabama Street
Suite 205
Houston, TX 77056
T 832-371-6181

SECURITY / TELECOMMUNICATIONS



PGA ENGINEERS
3838 N. Sam Houston Pkwy E
Suite 550
Houston, TX 77032
T 346-570-2418



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HAS DESIGN SIGN-OFF

HAS - PROJECT MANAGER
DESIGN AS SUBMITTED IS APPROVED
FOR CONSTRUCTION DOCUMENTATION

DEPARTMENT OF AVIATION
RECOMMENDED:

HOUSTON AIRPORT SYSTEM
DIRECTOR OR DESIGN REPRESENTATIVE
HAS TIP 21-157 - IAH

PROJECT NUMBER
1004345

SHEET TITLE
COVER SHEET /
SHEET INDEX

SHEET NUMBER
G000

**FOR INFORMATION AND
REFERENCE ONLY**

PROJECT No. 1004345

09-09-21

SHOP DRAWINGS & SUBMITTALS

1. THE GENERAL CONTRACTOR SHALL PROVIDE THE ARCHITECT WITH SHOP DRAWINGS FOR REVIEW AND APPROVAL. FOR ALL, BUT NOT LIMITED TO, THE FOLLOWING: MISC. STEEL, WAYFINDING AND SIGNAGE. SHOP DRAWINGS SHALL BE SUBMITTED IN THE FORM OF DIGITAL PDF PRINTS. SHOP DRAWINGS SHALL NOT BE REPRODUCTIONS OF CONTRACT DOCUMENTS.
2. CONTRACTOR NEEDS TO PROVIDE A COMPLETE MESSAGE SCHEDULE AND COMPLETE FABRICATION / ASSEMBLY DETAILS FOR ALL SIGNS FOR VERIFICATION PURPOSES AND SIGNED AND SEALED ENGINEERED DRAWINGS FOR SIGNAGE MOUNTING AND SUPPORTS.
3. THE GENERAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SUBMITTALS, AND SHALL ORDER AND SCHEDULE DELIVERY OF MATERIALS TO AVOID DELAYS IN CONSTRUCTION. IF AN ITEM IS FOUND TO BE UNAVAILABLE OR TO HAVE A LONG LEAD TIME, THE GENERAL CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY WITH A PROPOSED ALTERNATIVE.
4. THE CONTRACTOR SHALL SUBMIT FINAL CLOSEOUT DOCUMENTS FOR REVIEW.

PATCHING, REPAIR & FINISH WORK

1. THE GENERAL CONTRACTOR SHALL INCLUDE ALL X-RAY AND CORE DRILL COSTS. THE GENERAL CONTRACTOR SHALL REVIEW AND COORDINATE THE SIZE AND LOCATION OF ALL SLAB OPENINGS WITH ALL RELATED DISCIPLINES. THE GENERAL CONTRACTOR SHALL SUBMIT PROPOSED LOCATIONS OF CORE DRILLING AND SLAB OPENINGS TO ARCHITECT AND STRUCTURAL ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO PROCEEDING WITH THE WORK.
2. PATCH, REPAIR, AND INSTALL ALL FIREPROOFING AS REQUIRED BY CODE. FIREPROOF ALL NEW PENETRATIONS AS REQUIRED FOR APPROVAL BY THE AUTHORITY HAVING JURISDICTION.
3. SLAB PENETRATIONS SHALL BE SEALED AS REQUIRED TO MAINTAIN FIRE RATINGS, USING MATERIALS AND METHODS APPROVED BY THE AUTHORITY HAVING JURISDICTION. EXPANSION MATERIAL SHALL BE APPROVED BY THE ARCHITECT.
4. ALL DEBRIS SHALL BE REMOVED FROM THE SITE ON A DAILY BASIS, OR AS DIRECTED BY THE AUTHORITY HAVING JURISDICTION. UPON COMPLETION OF THE WORK, REMOVE ALL DEBRIS FROM THE BUILDING CREATED BY THE WORK PROVIDED UNDER THIS CONTRACT AND LEAVE ALL AREAS CLEAN. TRASH IS NOT PERMITTED TO BE BURNED ON SITE.
5. ALL ABANDONED AND MISCELLANEOUS NAILS, HANGERS, STAPLES, WIRES, CONDUITS AND DEBRIS SHALL BE REMOVED FROM EXPOSED AREAS OF THE FLOORS, WALLS, AND CEILINGS. REMOVE ALL ABANDONED PIPE SLEEVES IN FLOOR SLABS. PATCH EXISTING SLAB AS REQUIRED TO MAINTAIN UL FIRE RATING OF FLOOR SLAB WHERE PIPES AND CONDUITS HAVE BEEN REMOVED.
6. THE GENERAL CONTRACTOR SHALL CONTINUOUSLY CHECK ARCHITECTURAL AND STRUCTURAL CLEARANCES FOR ACCESSIBILITY OF EQUIPMENT AND MECHANICAL AND ELECTRICAL SYSTEMS. NO ALLOWANCES OF ANY KIND WILL BE MADE FOR THE GENERAL CONTRACTOR'S NEGLIGENCE TO FORESEE MEANS OF INSTALLING EQUIPMENT INTO POSITION.
7. THE FINISHED WORK SHALL BE FIRM, WELL-ANCHORED, IN TRUE ALIGNMENT, PLUMB, LEVEL, WITH SMOOTH, CLEAN, UNIFORM APPEARANCE WITHOUT WAVES, DISTORTIONS, HOLES, MARKS, CRACKS, STAINS, OR DISCOLORATION. JOINTING SHALL BE CLOSE FITTING, NEAT AND WELL SCRIBED. THE FINISHED WORK SHALL HAVE NO EXPOSED UNSIGHTLY ANCHORS OR FASTENERS AND SHALL NOT PRESENT HAZARDOUS, UNSAFE CORNERS. ALL WORK SHALL HAVE THE PROVISION FOR EXPANSION, CONTRACTION AND SHRINKAGE AS NECESSARY TO PREVENT CRACKS, BUCKLING, AND WARPING DUE TO TEMPERATURE AND HUMIDITY CONDITIONS.
8. GENERAL CONTRACTOR SHALL WAIVE "COMMON PRACTICE" AND "COMMON USAGE" AS CONSTRUCTION CRITERIA WHEREVER DETAILS AND CONTRACT DOCUMENTS OF GOVERNING CODES, ORDINANCES, ETC. REQUIRE QUANTITY OR BETTER QUALITY THAN COMMON PRACTICE OR COMMON USAGE WOULD REQUIRE.
9. ATTACHMENTS, CONNECTIONS OR FASTENERS OF ANY NATURE ARE TO PROPERLY AND PERMANENTLY BE SECURED IN CONFORMANCE WITH INDUSTRY BEST PRACTICES. THE DRAWINGS HIGHLIGHT SPECIAL CONDITIONS ONLY AND BY NO MEANS ILLUSTRATE EVERY CONNECTION. THE CONTRACTOR IS RESPONSIBLE FOR IMPROVING CONNECTION ACCORDINGLY.
10. THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY ACCESS PANELS WHICH MAY BE REQUIRED PRIOR TO PROCEEDING WITH THE WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL TRADES. REQUIRED ACCESS PANELS SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF WORK.

PROJECT CONDITIONS

1. THE TERM "BASE BUILDING" MEANS THE EXISTING STRUCTURES WITHIN THE PROPERTY SITE WHERE THE PROJECT AND THE WORK IS CONSTRUCTED.
2. DRAWING FOR THE WORK IS BASED ON OWNER-FURNISHED BASE BUILDING DOCUMENTS AND UPON THE ARCHITECT'S LIMITED VISUAL OBSERVATIONS OF LATENT EXPOSED CONDITIONS AT THE TIME OF COMMENCING THE ARCHITECT'S DESIGN CONSULTING SERVICES.
3. THE GENERAL CONTRACTOR SHALL REVIEW AND VERIFY EXISTING CONDITIONS AS PROVIDED IN THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ALL DISCREPANCIES, ERRORS, INCONSISTENCIES OR AMBIGUITIES PRIOR TO PROCEEDING WITH THE WORK. ANY UNREPORTED DEFICIENCIES WILL BECOME THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CORRECT.
4. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR, AND PROVIDE PROTECTION OF, ANY EXISTING FINISHES, MATERIALS, AND EQUIPMENT TO REMAIN. THE GENERAL CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGED FINISHES, MATERIALS, AND EQUIPMENT AS A RESULT OF THE WORK. ALL EXISTING FINISHES TO REMAIN SHALL BE CLEANED AT THE COMPLETION OF CONSTRUCTION. THE GENERAL CONTRACTOR SHALL PHOTOGRAPH AND DOCUMENT ALL EXISTING DAMAGES, AND PROVIDE TO THE ARCHITECT, PRIOR TO PROCEEDING WITH THE WORK.
5. THE GENERAL CONTRACTOR SHALL VERIFY THAT NO CONFLICTS EXIST BETWEEN THE LOCATIONS OF EXISTING AND PROPOSED NEW WAYFINDING AND SIGNAGE (INCLUDING BUT NOT LIMITED TO STRUCTURAL MEMBERS, PIPING, DUCT WORK, CONDUIT AND SPRINKLERS) AND THAT CLEARANCES FOR INSTALLATION ARE PROVIDED. ELEMENTS IN CONFLICT SHALL BE DOCUMENTED AND PROVIDED TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
6. IN THE EVENT OF CONFLICT BETWEEN DATA SHOWN ON DRAWINGS AND DATA PROVIDED IN THE SPECIFICATION, THE GENERAL CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE ARCHITECT OF ANY DISCREPANCIES, PRIOR TO PROCEEDING WITH THE WORK.
7. THE GENERAL CONTRACTOR SHALL NOT PROCEED WITH WORK FOR WHICH HE EXPECTS ADDITIONAL COMPENSATION BEYOND THE CONTRACT AMOUNT WITHOUT WRITTEN AUTHORIZATION FROM THE ARCHITECT AND OWNER. FAILURE TO OBTAIN SUCH AUTHORIZATION SHALL INVALIDATE A CLAIM FOR EXTRA COMPENSATION. THE CONTRACTOR SHALL NOT PROCEED WITH WORK WHICH, IF COMPLETED IN STRICT CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS, WILL RESULT IN ADDITIONAL WORK BEYOND THE SCOPE OF THE CONTRACT WITHOUT WRITTEN AUTHORIZATION FROM THE ARCHITECT AND OWNER. ANY FIELD CONDITIONS THAT SIGNIFICANTLY VARY FROM THE CONTRACT DOCUMENTS OR WILL RESULT IN ADDITIONAL WORK, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
8. DO NOT SCALE DRAWINGS. STATED & WRITTEN DIMENSIONS GOVERN. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND SHALL BE RESPONSIBLE FOR THEIR ACCURACY. NO EXTRA CHARGE OR COMPENSATION SHALL BE ALLOWED BECAUSE OF DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND THOSE INDICATED ON THE DRAWINGS, UNLESS THEY CONTRIBUTE TO A CHANGE IN THE SCOPE OF THE WORK. ANY DIFFERENCE FOUND SHALL BE SUBMITTED TO THE ARCHITECT FOR COORDINATION PRIOR TO ORDERING, MANUFACTURING, OR PROCEEDING WITH THE WORK. HORIZONTAL DIMENSIONS INDICATED ARE TO/FROM FACE OF FINISH, UNLESS NOTED OTHERWISE. VERTICAL DIMENSIONS ARE FROM TOP OF FLOOR SLAB EXCEPT WHERE NOTED TO BE ABOVE FINISHED FLOOR (AFF). DIMENSIONS ARE NOT ADJUSTABLE WITHOUT APPROVAL OF ARCHITECT UNLESS NOTED OTHERWISE.
9. MATERIALS INDICATED TO BE REUSED MUST BE FREE OF DEFECTS AND BE IN GOOD CONDITION OR SHALL BE REPLACED WITH NEW. UNDER THIS CONTRACT, ANY MATERIAL INDICATED TO BE REUSED WHICH IS NOT FREE OF DEFECTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT VIA A WRITTEN REQUEST FOR INFORMATION PRIOR TO BEGINNING CONSTRUCTION.

CONTRACTORS USE OF BUILDING

1. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL BUILDING MANAGEMENT SECURITY REQUIREMENTS, INCLUDING PROJECT SITE ACCESS RULES.
2. LIMIT USE OF BASE BUILDING FOR THE WORK AND FOR CONSTRUCTION OPERATIONS, TO ALLOW CONTINUED OCCUPANCY AND USE.
3. CONFINE OPERATIONS WITHIN DESIGNATED STAGING AREAS AND COORDINATE USE OF BASE BUILDING FACILITIES AS APPROVED BY THE OWNER.
4. THIS PROJECT WILL REQUIRE WORK WITHIN THE SIDA (SECURITY IDENTIFICATION DISPLAY AREA) AREAS. THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS ARE TO HAVE PROPER SECURITY TRAINING AND CREDENTIALS AS REQUIRED AND GRANTED BY HAS. THE CONTRACTOR AND THEIR SUBS ARE TO BE AWARE OF THEIR LOCATIONS WHILE WORKING IN THESE AREAS AND PROPER BADGING MUST BE DISPLAYED AT ALL TIMES. ALL COSTS ASSOCIATED WITH OBTAINING TRAINING AND CREDENTIALS TO ACCESS THE SIDA, ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SHALL BE COMPLETED PRIOR TO COMMENCEMENT OF WORK.
5. COORDINATE ANY SECURITY DEVICE REMOVAL / RELOCATION WITH HAS PRIOR TO COMMENCEMENT OF WORK.
6. MAINTAIN PROPER PATHS AND IDENTIFICATION OF EMERGENCY EGRESS.

PROJECT GENERAL DESCRIPTION

OVERALL PROGRAM NAME:
HOU TERMINAL - SECURITY EXIT LANE

PROJECT DESCRIPTION:

THE BASIS OF DESIGN IS TO PROVIDE AN EXIT LANE BREACH CONTROL (ELBC) SYSTEM THAT AUTOMATICALLY WATCHES PEOPLE AND OBJECTS FLOW THROUGH AIRPORT EXIT LANES (DEFINED AS A PASSENGER TRANSITION AREA CONTAINING A LINE OF DEMARCATION BETWEEN THE STERILE AND NON-STERILE AREA WHERE PASSENGERS ARE UNABLE TO RETURN WITHOUT SCREENING) AND PROVIDE AUTOMATED PHYSICAL BARRIERS(S) PREVENTING ACCESS BACK INTO THE STERILE AREA. THE ELBC SYSTEM SHALL CONTINUOUSLY, SILENTLY, RELIABLY AND AUTOMATICALLY MONITORS THE EXIT LANE TO ACCURATELY DETECT PEOPLE TRAVELLING THE WRONG WAY AND OBJECTS THROWN FROM THE PUBLIC TO THE STERILE SIDE IN THE EXIT LANE WITHIN THE PROTECTED ZONES OF DETECTION. THIS DETECTION IS ACHIEVED UTILIZING THE EXITSENTRY VIDEO ANALYTICS SYSTEM. SOPHISTICATED AND HIGHLY SPECIALIZED VIDEO ANALYTICS SOFTWARE INTEGRATED WITH COMMERCIAL OFF THE SHELF (COTS) HARDWARE, THE SYSTEM SHALL PROVIDE LOCAL & REMOTE AUDIBLE AND VISUAL NOTIFICATIONS, LIVE AND RECORDED VIDEO OF THE EVENT, AND SYSTEM CONTROL FUNCTIONS UPON THEIR DETECTION. EXITSENTRY IS THE INDUSTRY-LEADING SECURITY MONITORING AND ALARM SYSTEM, USING PATENTED, AN INTERFACE VIA THE ACCESS CONTROL SYSTEM (ACS) FROM EXITSENTRY TO LAYERED CONTAINMENT MEASURES (AUTOMATIC DOORS) SHALL BE IMPLEMENTED AT THE ENTRANCE, CENTER, AND SECURE END OF THE EXIT LANE. THUS THE EXITSENTRY SYSTEM SHALL CONTROL THE CONTAINMENT AUTOMATED DOOR MEASURES THROUGH THE ACS AND PREVENT (CONTAIN) THE ADVANCING BREACH, WHETHER IT INVOLVES PEOPLE OR OBJECTS (OR BOTH). LOCALLY, THE SYSTEM DEPLOYS A HIGH-DEFINITION MESSAGING LOUDSPEAKER, AUDIBLE ALARM SIGNAL AND A VISUAL STROBE FOR PASSENGER NOTIFICATIONS. SYSTEM MONITORING AND CONTROL AT THE REMOTE COMMAND TERMINAL LOCATED ADJACENT TO THE EXIT LANE, IT ALSO PROVIDES LOCAL COMMUNICATIONS FOR THE SYSTEM SHALL UTILIZE THE EXISTING AIRPORT ETHERNET NETWORK. EVENTS THROUGH OBVIOUS CHANGES CONFIGURED ON THE AIRPORT ACCESS CONTROL SYSTEM (ACS) OPERATOR CONTROL WORKSTATIONS), AND CONTROL FUNCTIONS CAN ALSO BE CONFIGURED USING ACS OUTPUTS FOR REMOTE BYPASS, RESET AND MANUAL CONTROL OF AUTOMATIC CONTAINMENT MEASURES. VIDEO MONITORING IS PROVIDED FROM EXITSENTRY VIDEO OUTPUTS THROUGH A VIDEO PROCESSOR TO THE AIRPORT VIDEO MANAGEMENT SYSTEM (VMS). THE EXITSENTRY SYSTEM SHALL NOTIFY THE AIRPORT COMMUNICATIONS CENTER OF SYSTEM

PROJECT GENERAL NOTES

1. HOUSTON AIRPORT SYSTEMS (HAS) SHALL BE DESIGNATED AS "THE OWNER", PGAL ARCHITECTS SHALL BE DESIGNATED AS "THE ARCHITECT". GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH) SHALL BE DESIGNATED AS "THE LANDLORD". THE GENERAL CONTRACTOR SHALL BE BOTH LICENSED AND BONDED IN TEXAS AND SHALL PROVIDE DOCUMENTS UPON REQUEST.
2. THE WORK SHALL BE DONE IN ACCORDANCE WITH THE RULES AND REGULATIONS OF ALL APPLICABLE SAFETY AND BUILDING CODES, AND AS APPROVED BY THE AUTHORITY HAVING JURISDICTION, INCLUDING OBSERVING ALL RULES AND REGULATIONS IN AN AIRPORT SECURE ENVIRONMENT.
3. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR SECURING AND PAYING FOR ALL PERMITS REQUIRED FOR THE WORK AND FOR THE SCHEDULING OF ALL REQUIRED INSPECTIONS DURING THE COURSE OF THE WORK.
4. REFER TO THE GENERAL NOTES, DESIGN NOTES AND KEYNOTES ON SHEETS 1-1 THROUGH 1-20, 2-1 THROUGH 2-47, 3-1 THROUGH 3-2, 4-1 THROUGH 4-51, AG3.001 AND AG3.002.
5. THE CONTRACTOR SHALL VERIFY THAT THE DRAWINGS ARE THE LATEST ISSUE BEFORE COMMENCING CONSTRUCTION.

HAS STANDARDS

1. THIS PROJECT IS TO FOLLOW HOUSTON AIRPORT SYSTEM (HAS) STANDARDS FOR ALL DISCIPLINES. HAS STANDARDS CAN BE FOUND AT THEIR WEBSITE, [HTTP://WWW.HOUSTONAIRPORTS.BIZ/TIP](http://www.houstonairports.biz/tip).
2. ANY CONFLICTS BETWEEN HAS STANDARDS AND BID/CONSTRUCTION DOCUMENTS ARE TO BE BROUGHT TO THE ARCHITECTS ATTENTION VIA RFI.
3. ANY FLOOR PENETRATION WILL NEED TO BE X-RAY SCANNED. THIS INCLUDES BUT NOT LIMITED TO FLOOR ANCHORS, CORE, ETC. ALL SCANS ARE TO BE SUBMITTED TO HAS / EOR FOR REVIEW BEFORE WORK CAN BE PERFORMED.
4. THE CONTRACTOR SHALL THOROUGHLY EXAMINE THE PREMISES AND SHALL BASE THE BID ON THE EXISTING CONDITIONS IN CONJUNCTION WITH THESE DOCUMENTS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO THE BID OF ANY DISCREPANCIES FOUND WITH THESE DOCUMENTS OR CONFLICTS WITH EXISTING CONDITIONS VIA WRITTEN REQUEST FOR INFORMATION.
5. PRIOR TO BEGINNING ANY CONSTRUCTION OR DEMOLITION, THE CONTRACTOR SHALL VERIFY THE GENERAL LAYOUT AND EXACT LAYOUT OF ALL WAYFINDING AND SIGNAGE AND REPORT ANY QUESTIONS OR DISCREPANCIES TO THE ARCHITECT FOR RESOLUTION VIA A WRITTEN REQUEST FOR INFORMATION.

FACILITIES

1. CORE DRILLING. THE CONTRACTOR SHALL SCAN THE AREA PRIOR TO CORE DRILLING OF CONCRETE STRUCTURES. THE CONTRACTOR SHALL USE THE GROUND PENETRATING RADAR (GPR) METHOD. THE CONTRACTOR SHALL SUBMIT A COPY OF THE GPR RESULTS TO AIRPORT STAFF, PRIOR TO CORE DRILLING, VERIFYING THAT THE AREA IS CLEAR OF CONDUITS/REBAR/PORT TENSION TENDONS/ETC.
2. HOT WORK PERMIT. THE CONTRACTOR SHALL OBTAIN A HOT WORK PERMIT FROM THE AIRPORT FOR WELDING, CUTTING, GRINDING, OR ANY OTHER ACTIVITY INVOLVING OPEN FLAMES, SPARKS, OR OTHER IGNITION SOURCES THAT MAY CAUSE SMOKE, FIRE, OR CAN TRIGGER THE FIRE DETECTION SYSTEM.

AIRSIDE / LANDSIDE

1. THE CONTRACTOR SHALL NOT BLOCK THE TERMINAL PASSENGER PATHS AND SHALL NOT BLOCK THE TSA CHECKPOINT AREAS.
2. THE CONTRACTOR SHALL MAINTAIN THE PATH OF TRAVEL TO AND FROM THE WORK AREA IN A CLEAN MANNER. THE CONTRACTOR SHALL CLEAN THE PATH OF TRAVEL, AS NEEDED AND REMOVE ANY DUST/DEBRIS FROM THE PATH OF TRAVEL.

SECURITY

1. HAS APPROVAL OF THE REQUIRED "SECURITY PLAN" IS REQUIRED PRIOR TO THE START OF ANY WORK. THE SECURITY PLAN MUST BE SUBMITTED TO HAS FOR REVIEW AND APPROVAL. THE "SECURITY PLAN" SHALL INCLUDE BUT IS NOT LIMITED TO THE FOLLOWING:

- DATES AND TIME OF WORK
- CONTRACTOR NAME & CONTACT INFORMATION
- BADGING OF CONSTRUCTION PERSONNEL
- SUMMARY OF WORK, INCLUDING ATTACHED PLAN
- PERSONNEL & VEHICLE SECURITY CLEARANCE INFORMATION
- PERSONNEL & VEHICLE ACCESS INFORMATION, SHOW ALL PENETRATIONS OF THE SECURITY BOUNDARY, DESIGNATED ROUTE FOR WORKERS TO ACCESS VARIOUS WORK AREAS MUST BE PROVIDED & APPROVED. IDENTIFY THE PATH OF TRAVEL TO THE WORK SITE AND IDENTIFY ANY ELEVATORS AND OR DOORS TO BE USED TO ACCESS THE SITE.
- CONSTRUCTION DEBRIS - SHOW HOW CONSTRUCTION DEBRIS WILL BE DISPOSED OF OR TRANSPORTED OFF SITE
- SHOW PROPOSED LAYDOWN AREAS
- CONTACT AIRPORT SECURITY COMPLIANCE FOR TIMELINES FOR SUBMISSION AND COORDINATION OF WORK UNDER TSA GUIDELINES
- THE CONTRACTOR SHALL ATTEND A PRE-CONSTRUCTION MEETING PRIOR TO THE START OF WORK

CLIENT



HAS AVIATION DEPT.
16930 JOHN F. KENNEDY BLVD.
HOUSTON TX 77032
[T] 281 233 1757
[F] 281 233 1800

ARCHITECT



PGAL
3131 BRIARPARK DR.
SUITE 200
HOUSTON, TX 77042
[T] 713 622 1444
[F] 713 968 9333
www.pgal.com

DEPARTMENT OF AVIATION
RECOMMENDED:

HOUSTON AIRPORT SYSTEM
DIRECTOR OR DESIGN REPRESENTATIVE

HAS TIP 21-157 - IAH

REGISTRATION

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DRAWING HISTORY

NO.	DATE	DESCRIPTION
	09-09-21	FOR INFORMATION AND REFERENCE ONLY

PROJECT NAME

**HOU-TERMINAL
- SECURITY
EXIT LANE**

PROJECT LOCATION

**WILLIAM P. HOBBY
AIRPORT
7800 AIRPORT BLVD.
HOUSTON, TX 77061**

PROJECT NUMBER

1004345

SHEET TITLE

**GENERAL PROJECT
INFORMATION**

SHEET NUMBER

G002



NO.	DATE	DESCRIPTION
1	09-09-21	FOR INFORMATION AND REFERENCE ONLY

APPLICABLE CODES

BUILDING CODE	2012 IBC - INTERNATIONAL BUILDING CODE (WITH COH AMENDMENTS)
MECHANICAL CODE	2012 UMC - UNIFORM MECHANICAL CODE (WITH COH AMENDMENTS)
ELECTRICAL CODE	2017 NEC - NATIONAL ELECTRICAL CODE (STATE MANDATED)
PLUMBING CODE	2012 UPC - UNIFORM PLUMBING CODE (WITH COH AMENDMENTS)
FIRE CODE	2012 IFC - INTERNATIONAL FIRE CODE (WITH COH AMENDMENTS)
LIFE SAFETY CODE	NFPA - NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 1, 10, 13, 14, 20, 70, 72, 101, 220, 221)
ENERGY CODE	2015 IECC - INTERNATIONAL ENERGY CONSERVATION CODE (WITH COH AMENDMENTS)
ENERGY CODE ACCESSIBILITY	ASHRAE 90.1-2013 (WITH COH AMENDMENTS) 2012 - TAS - (TEXAS ACCESSIBILITY STANDARDS / ADA)

CONSTRUCTION CLASSIFICATION

OCCUPANCY TYPE:	A, NO CHANGE
NUMBER OF STORIES:	3 STORY
CONSTRUCTION TYPE:	1A
SPRINKLED:	YES
FIRE RATING OF COLUMNS:	3 HRS
STRUCTURAL ELEMENTS:	BEAMS : 3HR ELEVATOR SHAFTS : 2HR FLOORS : 2 HR
PARKING REQUIREMENTS:	N/A - EXISTING, NO CHANGE IN OCCUPANCY
REQUIRED OCCUPANCY SEPARATION:	NONE

FIRE PROTECTION

FIRE SPRINKLER:	EXISTING TO COMPLY WITH NFPA 13
FIRE ALARM:	TO COMPLY WITH NFPA 72
FIRE EXTINGUISHER CABINETS:	MAX DISTANCE TO FIRE EXTINGUISHER IS 75 FEET
*FIRE ALARM AND FIRE EXTINGUISHER CABINETS ARE EXISTING	

EXIT ACCESS TRAVEL DISTANCE

TABLE 1016.2

OCCUPANCY	W/ SPRINKLER SYSTEM (FT)
A, E, F-1, M, R, S-1	250
I-1	250
B	300
F-2, S-2, U	400

COMMON PATH OF EGRESS TRAVEL

TABLE 1014.3

OCCUPANCY	W/ SPRINKLER SYSTEM (FT)
B, S	100
ALL OTHERS	75

INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY (IBC TABLE 803.9)

GROUP	SPRINKLERED		
	EXIT ENCLOSURES AND EXIT PASSAGEWAYS	CORRIDORS	ROOMS AND ENCLOSED SPACES
A	B	B	C

FIRE PROTECTION SYSTEMS (IBC SECTION 903)

AUTOMATIC FIRE SPRINKLER SYSTEM PER NFPA 13 TO BE PROVIDED W/ 100% COVERAGE ON EACH LEVEL. FIRE EXTINGUISHERS PROVIDED. IFC TABLE 906.3(1)

OCCUPANCY CALCULATIONS (IBC TABLE 1004.1.2)

LEVEL 2 - TICKETING

ROOM#	NAME	AREA	OCC. TYPE	OLF	OCC. LOAD
200	LOBBY CIRCULATION	24,903 SF	A-3	100 SF	250

EGRESS WIDTH PER OCCUPANT SERVED (IBC TABLE 1005.1)

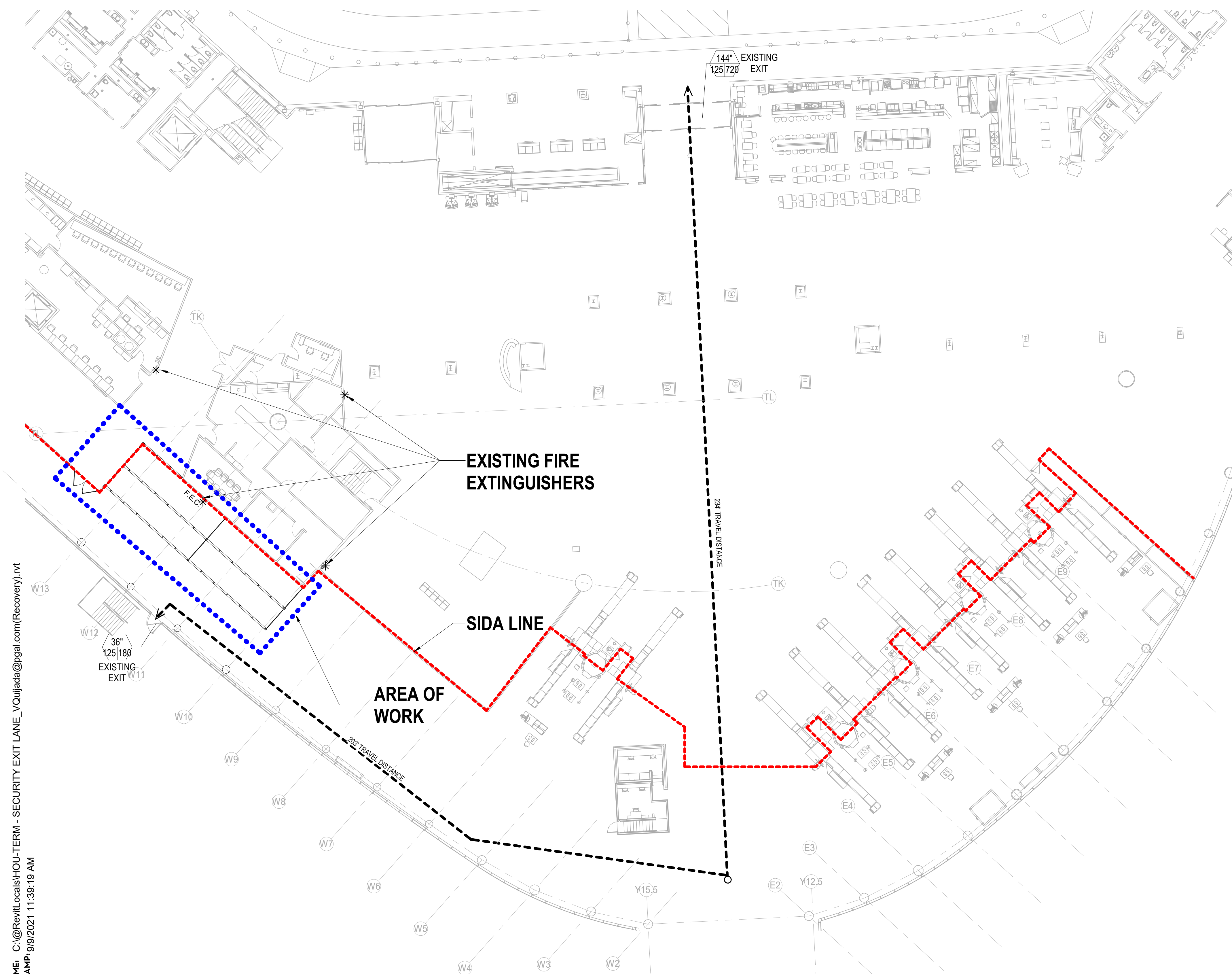
DOORS	MIN. REQUIRED	AVAILABLE CLEAR WIDTH PROVIDED
LEVEL 2: 0.2" X 250 OCC = 50 INCH/OCC	50"	180" PROVIDED

CORRIDOR FIRE-RESISTANCE RATING (IBC TABLE 1018.1)

GROUP	OCCUPANT LOAD SERVED BY CORRIDOR	REQUIRED FIRE-RESISTANCE RATING (HOURS)
		WITH SPRINKLER SYSTEM
A, B, E, F, M, S, U	GREATER THAN 30	0

MINIMUM NUMBER OF EXITS PER OCCUPANT LOAD (IBC 1021)

OCCUPANT LOAD (PERSONS PER STORY)	MINIMUM # OF EXITS (PER FLOOR)(REQUIRED)	# OF EXITS PROVIDED
LEVEL 1: 1-500	2	2

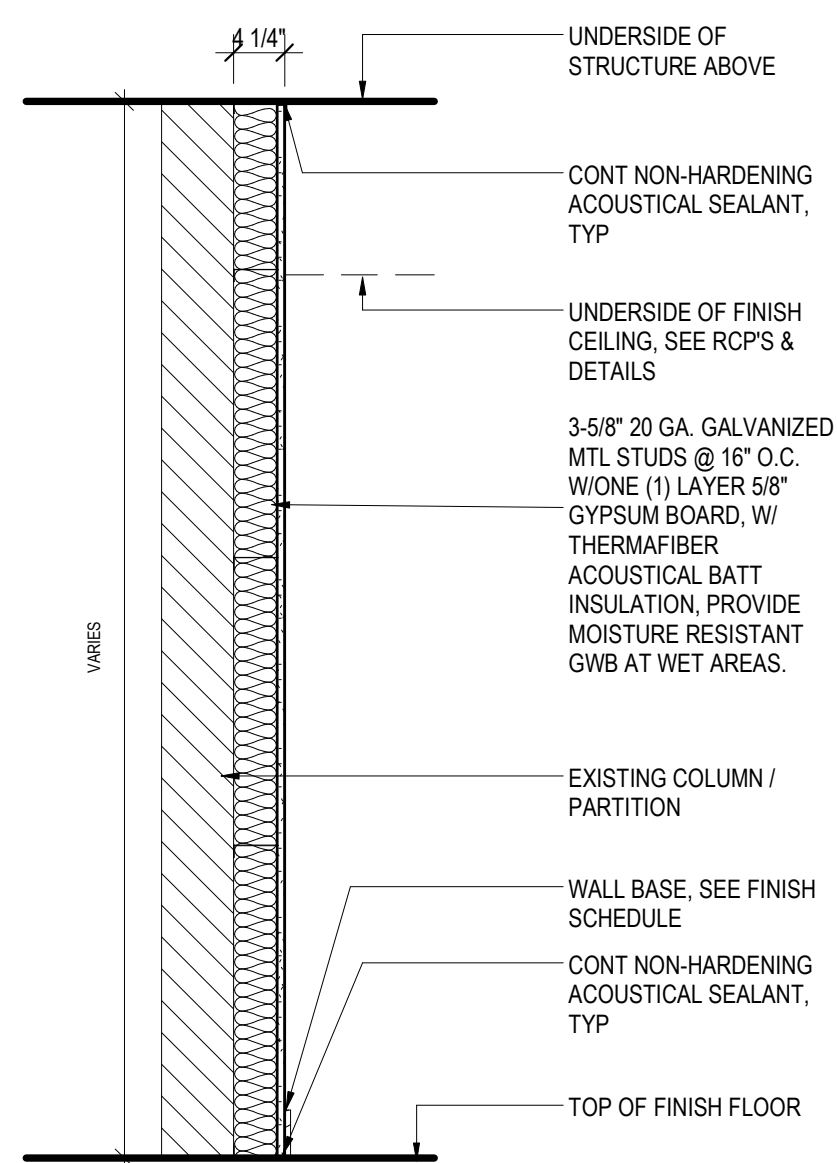
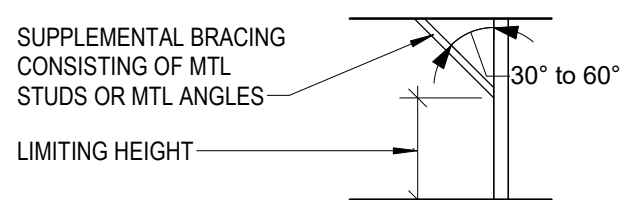


FILE NAME: C:\Revit\Local\HOU-T-TERM - SECURITY EXIT LANE_VQijjada@pgal.com(Recovery).rvt
 DATE/TIME: 9/9/2021 11:39:19 AM

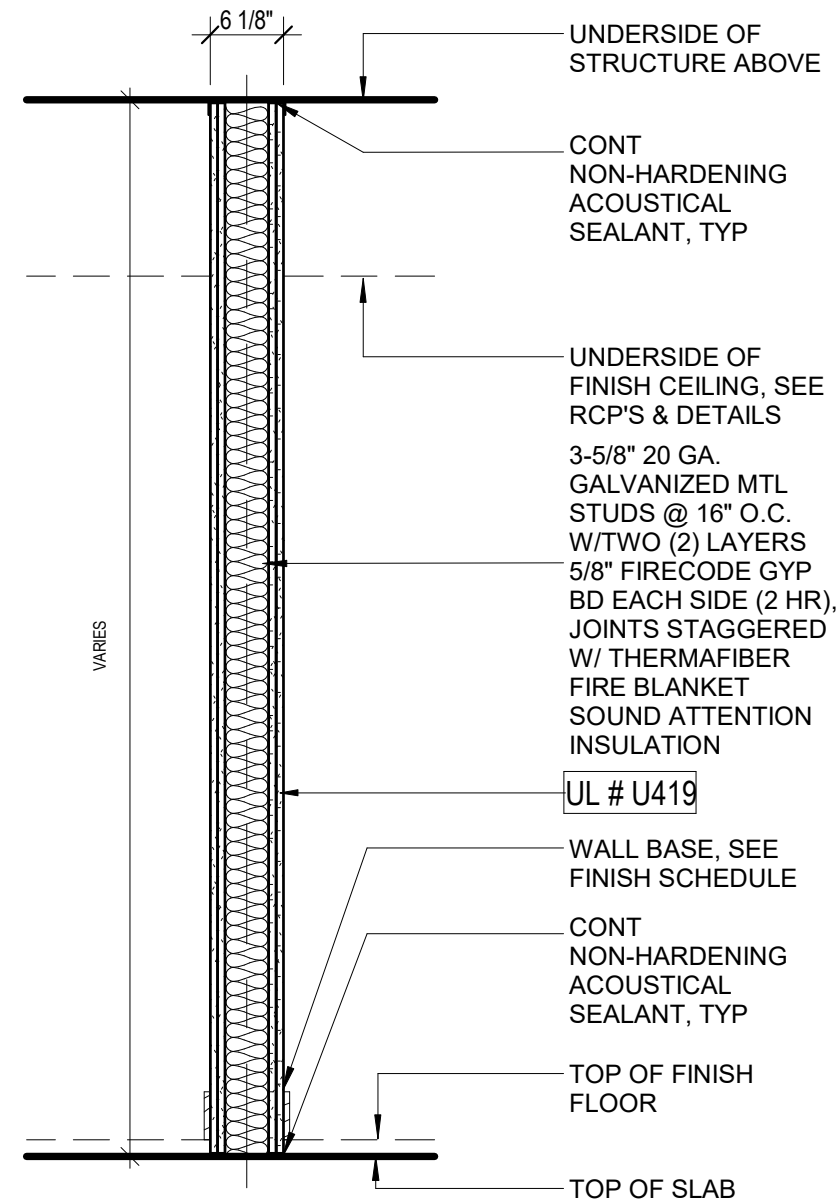
COLD FORMED FRAMING NOTES

ALL METAL STUDS TO BE 20 ga. AND PLACED AT 16 INCHES O.C. UNLESS NOTED OTHERWISE OR WHERE THE LIMITING HEIGHT REQUIRES 16ga AT 16" O.C.

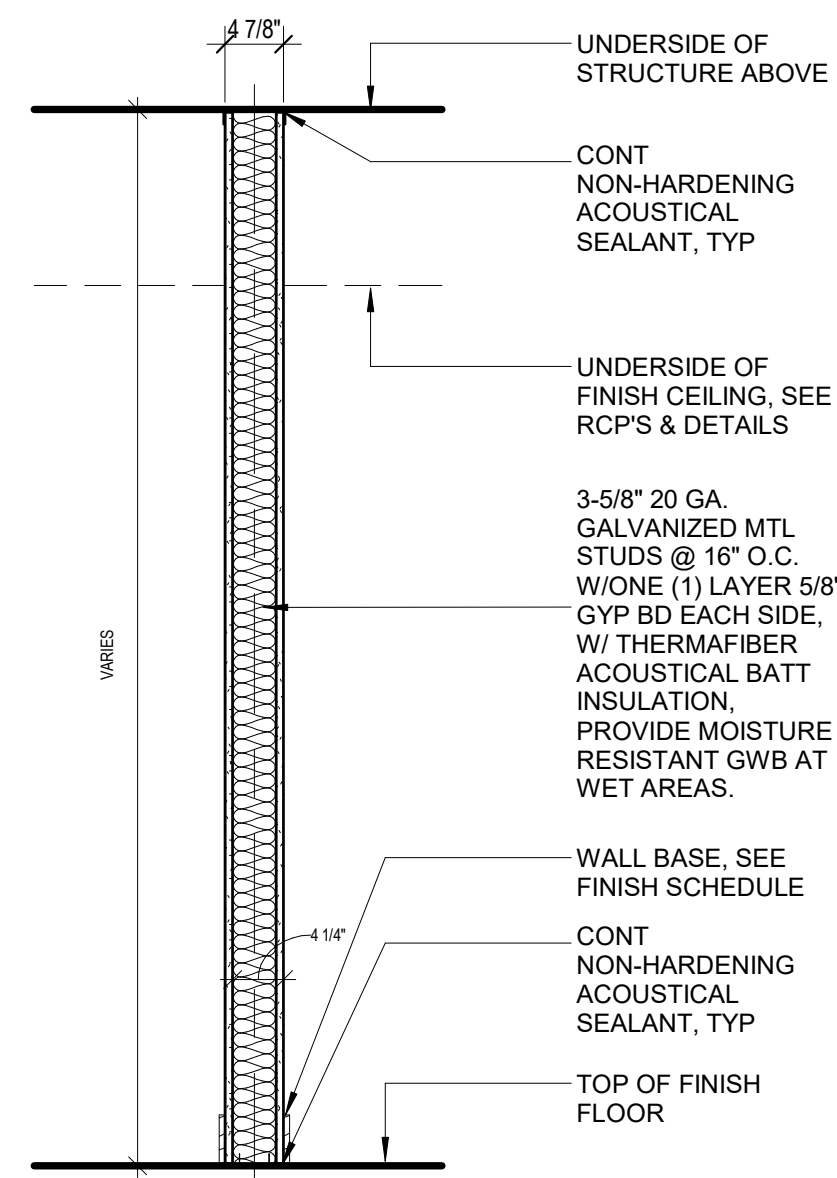
- ALL FURRING CHANNELS TO BE 25 ga. AND PLACED AT 16 INCHES O.C. UNLESS NOTED OTHERWISE.
- PARTITIONS SUPPORTING WALL HUNG PLUMBING FIXTURES SHALL BE 16 ga. AND PLACED 16 INCHES O.C.
- REFER TO STRUCTURAL DRAWINGS FOR STUD ga. SIZE AND SPACING FOR ALL STRUCTURALLY DESIGNED PARTITIONS.
- REFER TO ASTM C754 FOR LIMITING HEIGHTS CRITERIA. LIMITING HEIGHTS ARE TO BE DETERMINED BY DEFLECTION CRITERIA RATIO OF L/240, AND LATERAL PRESSURE OF 5 PSF UNLESS NOTED OTHERWISE OR DICTATED OTHERWISE BY PRESIDING BUILDING CODE. WHERE FLOOR TO STRUCTURE HEIGHT OF PARTITION EXCEEDS THE INDICATED LIMITING HEIGHT, PROVIDE SUPPLEMENTAL BRACING TO THE STRUCTURE OVERHEAD AS REQUIRED TO MAINTAIN REQUIRED DEFLECTION RATIO.
- FOR PARTITIONS WITH "BRITTLE" FINISHES SUCH AS PLASTER AND CERAMIC TILE, DESIGN PARTITION SYSTEM TO MAINTAIN DEFLECTION RATIO WITHIN L/360. SUSPENDED CEILINGS SHALL NOT BE CONSIDERED AS BRACING.



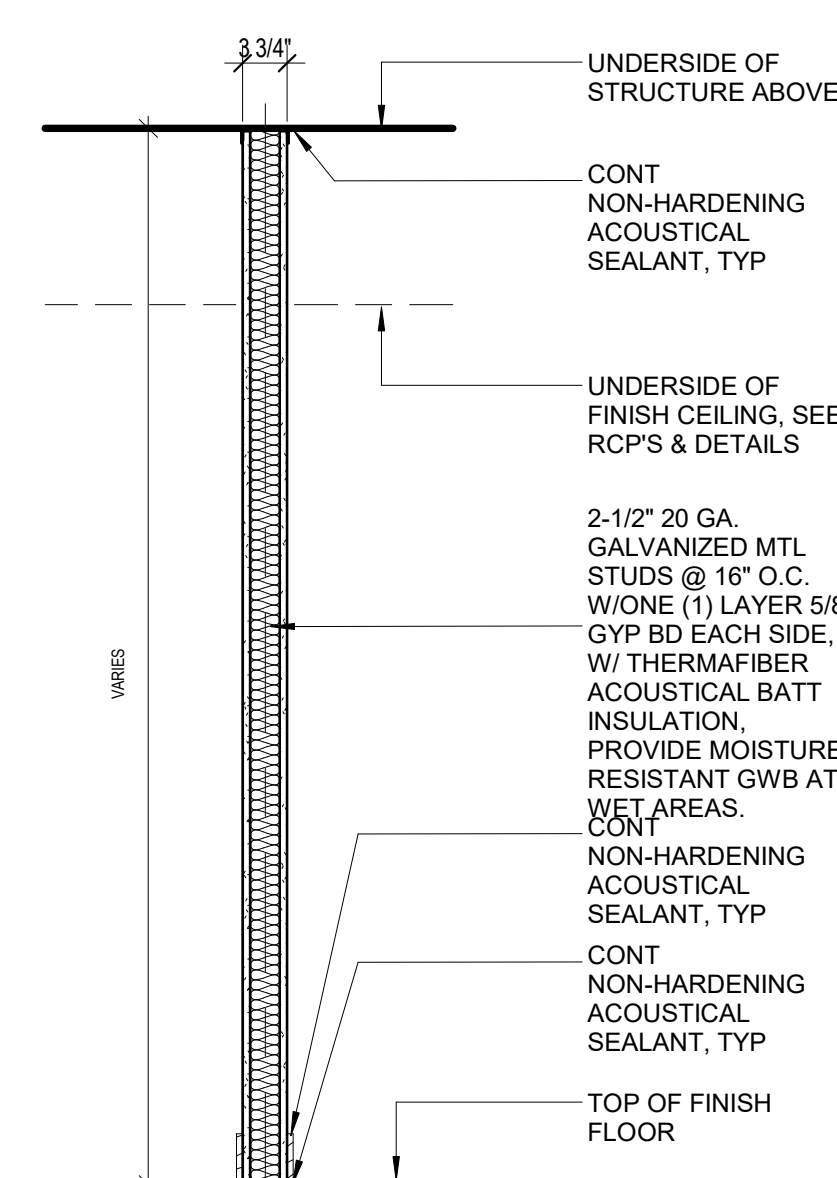
B7.1 FURRING WALL PARTITION 3-5/8" STUD | 3/4" = 1'-0" | 4



B2.1 RATED PARTITION 1 | 3/4" = 1'-0" | 2



B1.3 NON-RATED PARTITION 3-5/8" STUD 1 | 3/4" = 1'-0" | 3

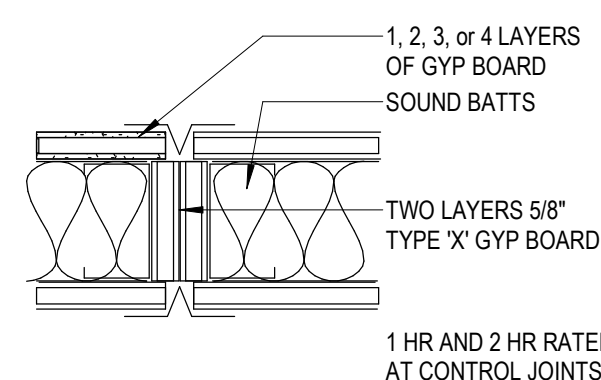


B1.1 NON-RATED PARTITION 2-1/2" STUD 1 | 3/4" = 1'-0" | 1

ACOUSTICAL NOTES

- ALL ACOUSTICALLY CLASSIFIED PARTITIONS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE TO THE REFERENCED TEST.
- STAGGER AND SEAL ALL JOINTS ON MULTIPLE GYPSUM BOARD LAYER PARTITIONS.
- SEAL ALL PERIMETER GAPS, AIR TIGHT, AT THE FLOORS, HEAD, ADJACENT CONSTRUCTION AND AROUND ANY PENETRATING ELEMENTS WITH INTERIOR GRADE ACOUSTICAL SEALANT.
- ALL BATTS AND BLANKETS IN RATED WALLS MUST BEAR THE REQUIRED U.L. CLASSIFICATION MARKING AS TO FIRE-RESISTANCE. ALSO REFER TO CODE COMPLIANCE DETAILS IN G010 SERIES.
- AT ACOUSTICALLY RATED PARTITIONS, DO NOT FILL THE STUD CAVITY (DEPTH) FULLY WITH SOUND BATTS. THE WIDTH OF THE SOUND BATTS SHOULD BE SLIGHTLY SMALLER THAN CAVITY TO AVOID BATTS COMPRESSION. HOWEVER, THE ENTIRE LENGTH AND HEIGHT OF THE WALL SHOULD HAVE CONTINUOUS AND UNINTERRUPTED SOUND ATTENUATION BATTS.
- SEAL ALL WALL INTERSECTIONS AND CONTROL JOINTS AT ACOUSTICALLY CLASSIFIED PARTITIONS.
- SEAL ALL CONDUIT, STRUCTURAL, DUCT AND LARGE PIPE PENETRATIONS UNLESS THE PARTITION IS ALSO FIRE RATED WHERE THE CODE COMPLIANCE DETAILS.
- OUTLETS ON OPPOSITE SIDES OF ACOUSTICALLY CLASSIFIED PARTITIONS.

FIREWALL CONTROL JOINTS



FIRE RATING NOTES

- UNDERWRITERS LABORATORY AND OTHER TESTING AGENCY DESIGNATIONS INDICATED FOR FIRE RESISTIVE CONSTRUCTION ARE GIVEN FOR PURPOSES OF DESCRIBING CONSTRUCTION REQUIREMENTS ONLY AND ARE NOT INTENDED TO LIMIT MANUFACTURERS OF MATERIALS. COMPLY WITH THE CONSTRUCTION REQUIREMENTS OF THE INDICATED DESIGN.
- ALL PARTITION TYPES SHOWN HERE ARE DRAWN AS "NON FIRE-RATED". WHERE FIRE RESISTIVE WALL CONSTRUCTION IS INDICATED, ON THE FLOOR PLANS, PROVIDE "TYPE X" GYPSUM WALLBOARD, AND FIRE RATED SEALANT AT PERIMETER JOINTS AND ALL PENETRATIONS. TYPICAL BOTH SIDES OF PARTITION AS INDICATED ON THE U.L. DETAILS AND ASSEMBLIES.
- REFER TO SHEET G010 FOR U.L. LISTED ASSEMBLIES.

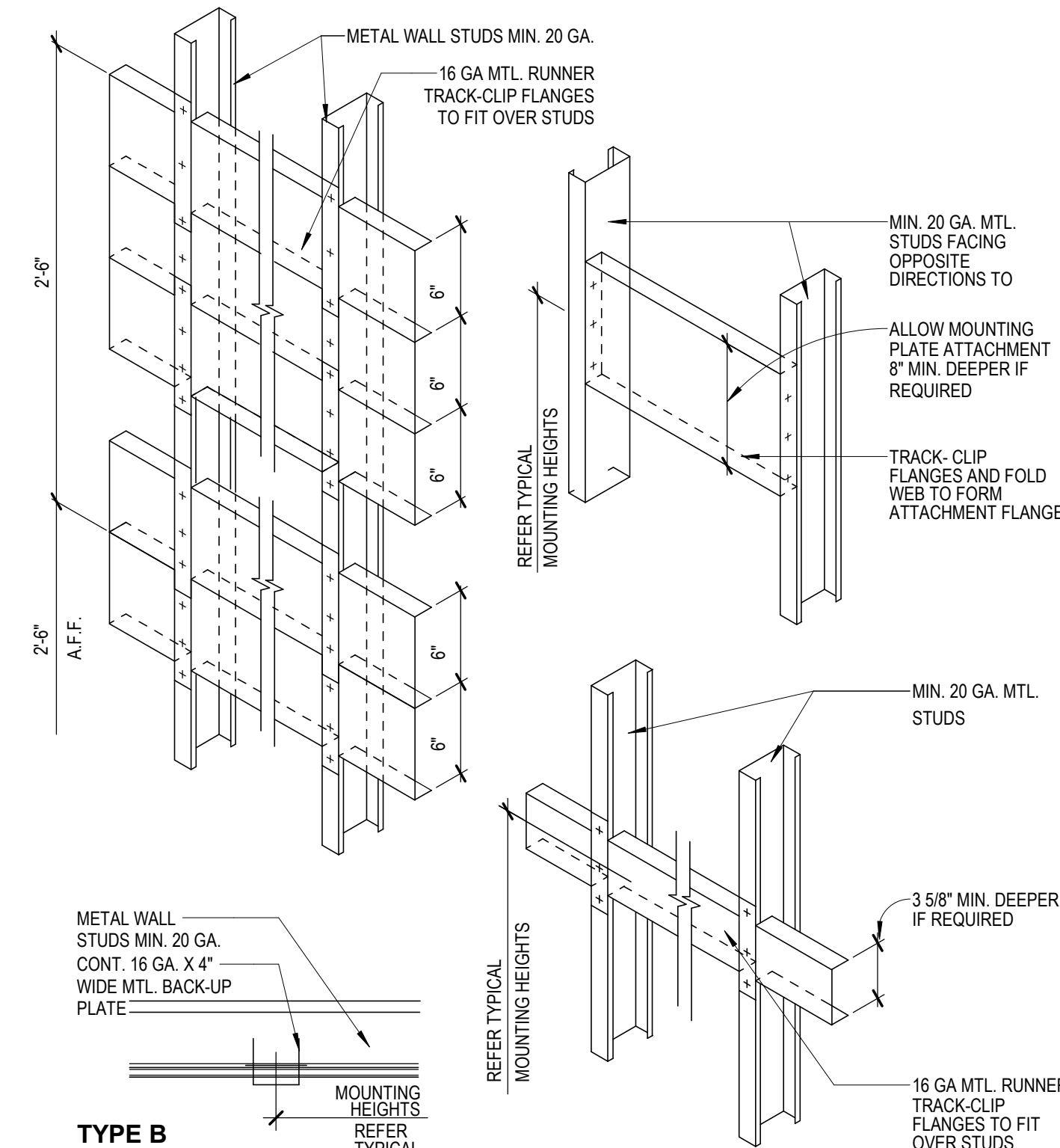
GYPSUM BOARD PARTITION PRIORITY LEGEND

PARTITION	DOOR RATING	PRIORITY
FOUR HOUR FIRE PARTITION	3 HOUR - A LABEL	PRIORITY 1 - HIGHEST
TWO HOUR FIRE/SMOKE PARTITION	1 1/2 HOUR - B LABEL	PRIORITY 2
TWO HOUR FIRE PARTITION	1 1/2 HOUR - B LABEL	PRIORITY 3
ONE HOUR FIRE/SMOKE PARTITION	3/4 HOUR - C LABEL	PRIORITY 4
ONE HOUR FIRE PARTITION	3/4 HOUR - C LABEL	PRIORITY 5
ONE HOUR FIRE PARTITION	20 MIN RATING	PRIORITY 6
NON-RATED PARTITION	NONE	PRIORITY 7 - LOWEST

GENERAL NOTES

- ALL POSSIBLE VARIATIONS OF PARTITIONS TYPES AND U.L. FIRE RATINGS ARE NOT NECESSARILY UTILIZED IN THIS PROJECT AND ARE SHOWN FOR REFERENCE ONLY. UNLESS RATED PARTITIONS ARE INDICATED ON THE FLOOR PLANS, WHERE U.L. RATED PARTITIONS ARE INDICATED, REFER TO FLOOR PLANS AND PROVIDE FIRE SEALANT AT THOSE LOCATIONS AS REQUIRED.
- WHERE FULL HEIGHT PARTITIONS ARE PERPENDICULAR TO SPAN OF STRUCTURAL JOISTS OR GIRDERS, THE PARTITION SHALL EXTEND TO THE UNDERSIDE OF STRUCTURE AND FOLLOW THE LINE OF STRUCTURE.
- PROVIDE CEMENTITIOUS BACKER BOARD ON ALL WALLS TO RECEIVE CERAMIC TILE FINISH. PROVIDE WATER RESISTANT GYPSUM PANELS ON CEILINGS IN ROOMS THAT INCLUDE SHOWERS. FRAMING NOT TO EXCEED SPACING RECOMMENDED BY MANUFACTURER.
- PROVIDE ONE LAYER OF 5/8" MOISTURE RESISTANT GYPSUM BOARD AT WALLS BEHIND SINKS AND LAVATORIES WITHOUT TILE. MOISTURE RESISTANT GYPSUM BOARD SHALL BE INSTALLED WITHIN 2" OF ALL URINALS AND WATER CLOSETS, TO A HEIGHT OF 4' AFF.
- WHERE FIRE RESISTIVE CONSTRUCTION IS INDICATED, PROVIDE TYPE X-W/R BOARD. IN CONDITIONS WHERE NOTE 3 AND 4 APPLY, INSTALL 1 LAYER OF APPLICABLE MOISTURE RESISTANT BOARD OR CEMENTITIOUS BACKER BOARD OVER THE TYPE X-W/R BOARD. INSTALL PER MANUFACTURER LIMITATIONS.
- STC RATINGS SHOWN FOR SOUND WALLS ARE BASED ON LABORATORY TESTED ASSEMBLIES AND DO NOT NECESSARILY INDICATE THE ACTUAL STC RATING OF THE COMPLETED WORK. PROVIDE MTL. DECK FILLERS WHERE FULL HEIGHT PARTITIONS ARE PERPENDICULAR TO SPAN OF DECK. DECK FILLERS ARE TO BE COMPATIBLE WITH ALL FIRE RATED ASSEMBLIES AND ARE TO BE APPROVED BY ALL GOVERNING AGENCIES.
- PROVIDE FIRE TREATED WOOD BLOCKING, SHEET METAL OR STEEL BACKING IN PARTITIONS TO SUPPORT WALL MOUNTED ITEMS AND EQUIPMENT, ETC.
- REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

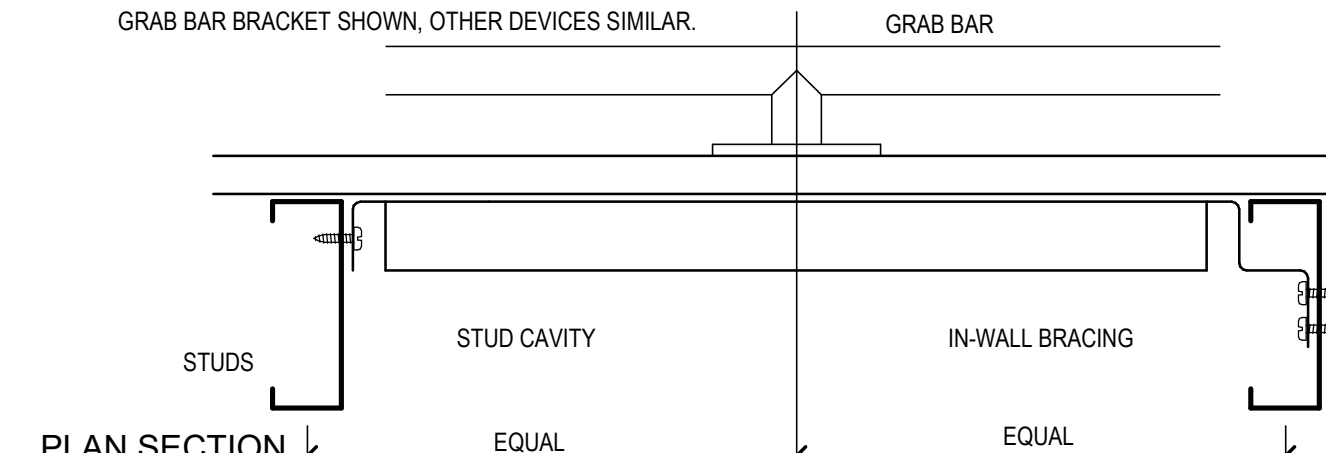
PARTITION DETAILS



TYPE B

MOUNTING SUPPORT DETAILS

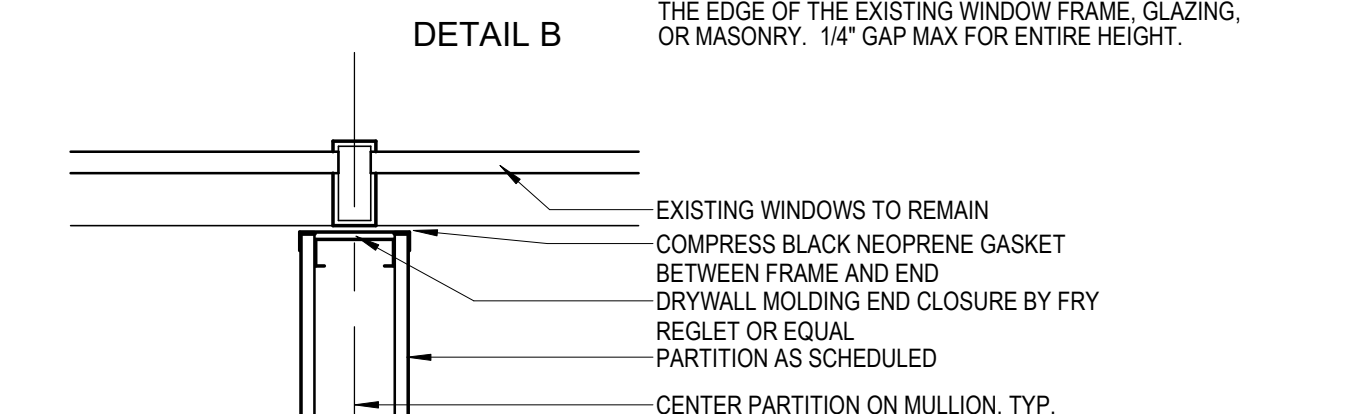
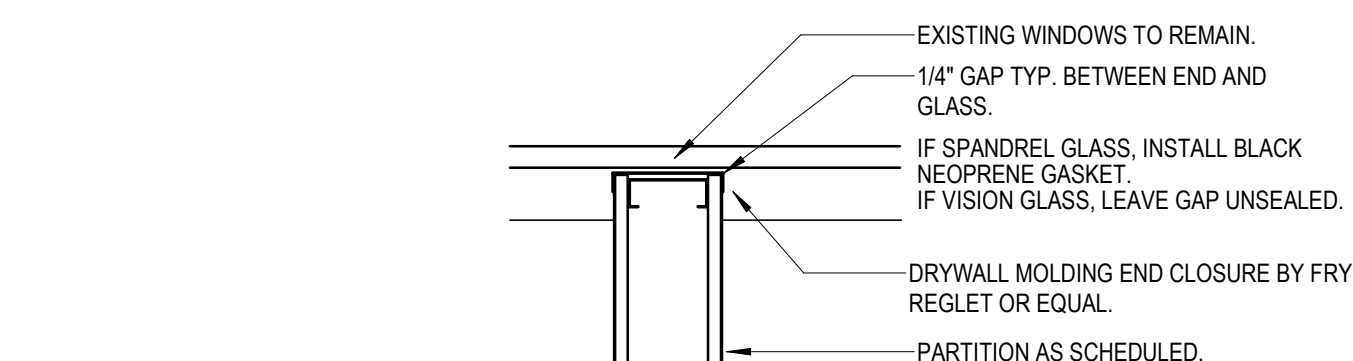
SCALE: NONE
 PROVIDE IN-WALL BRACING IN ALL PARTITIONS OR EXTERIOR WALLS WHERE GRAB BARS, HANDRAILS, SHOWER SEATS OR OTHER EQUIPMENT ANCHORS TO METAL STUD WALLS AND IN OTHER LOCATIONS AS NOTED ON THE DRAWINGS. CENTER STUDS ABOUT THE LOCATION OF THE DEVICE ANCHOR POINT. GRAB BAR BRACKET SHOWN, OTHER DEVICES SIMILAR.



IN-WALL BRACING SHALL BE NO LESS THAN A 6" x 1 1/4" x 14 GAUGE CHANNEL STEEL Fy = 50ksi, AND SHALL SUPPORT A 250 POUND GRAVITY LOAD CONCENTRATED AT ANY POINT ON THE DEVICE BEING ANCHORED.

16 GA. x 4" WIDE MTL BACKUP PLATE MAY BE USED

IN-WALL BRACING



DETAIL A

PARTITION AT MULLION DETAILS

SCALE: NONE

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 HOUSTON TX 77032
 [T] 281 233 1757
 [F] 281 233 1800

ARCHITECT



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 SUITE 200
 HOUSTON, TX 77042
 [T] 713 622 1444
 [F] 713 968 9333
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DRAWING HISTORY

NO.	DATE	DESCRIPTION
1	09-09-21	FOR INFORMATION AND REFERENCE ONLY

PROJECT NAME
 HOU-TERMINAL - SECURITY EXIT LANE

PROJECT LOCATION
 WILLIAM P. HOBBY AIRPORT
 7800 AIRPORT BLVD.
 HOUSTON, TX 77061

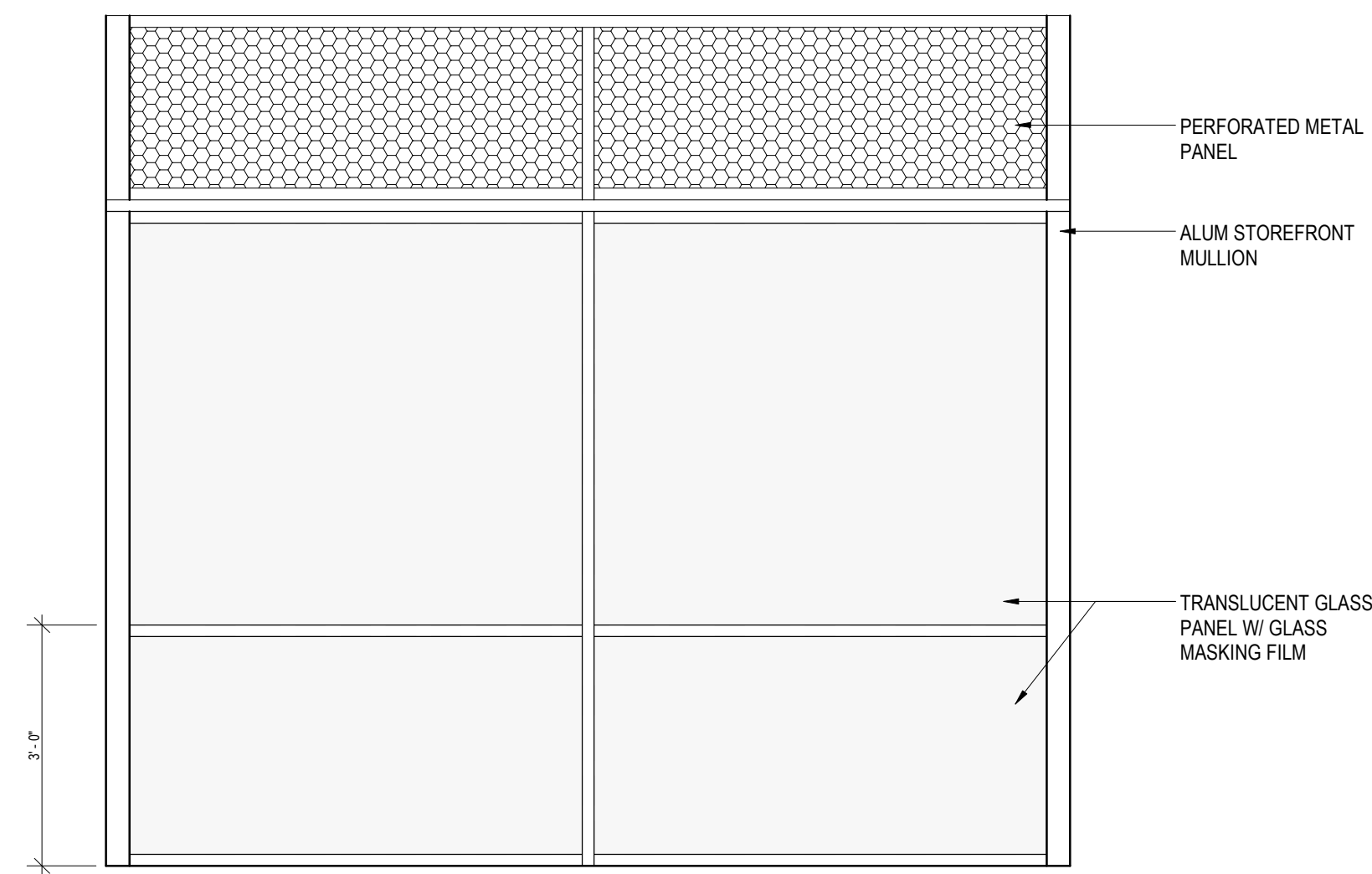
PROJECT NUMBER
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SHEET TITLE
 PARTITION TYPES

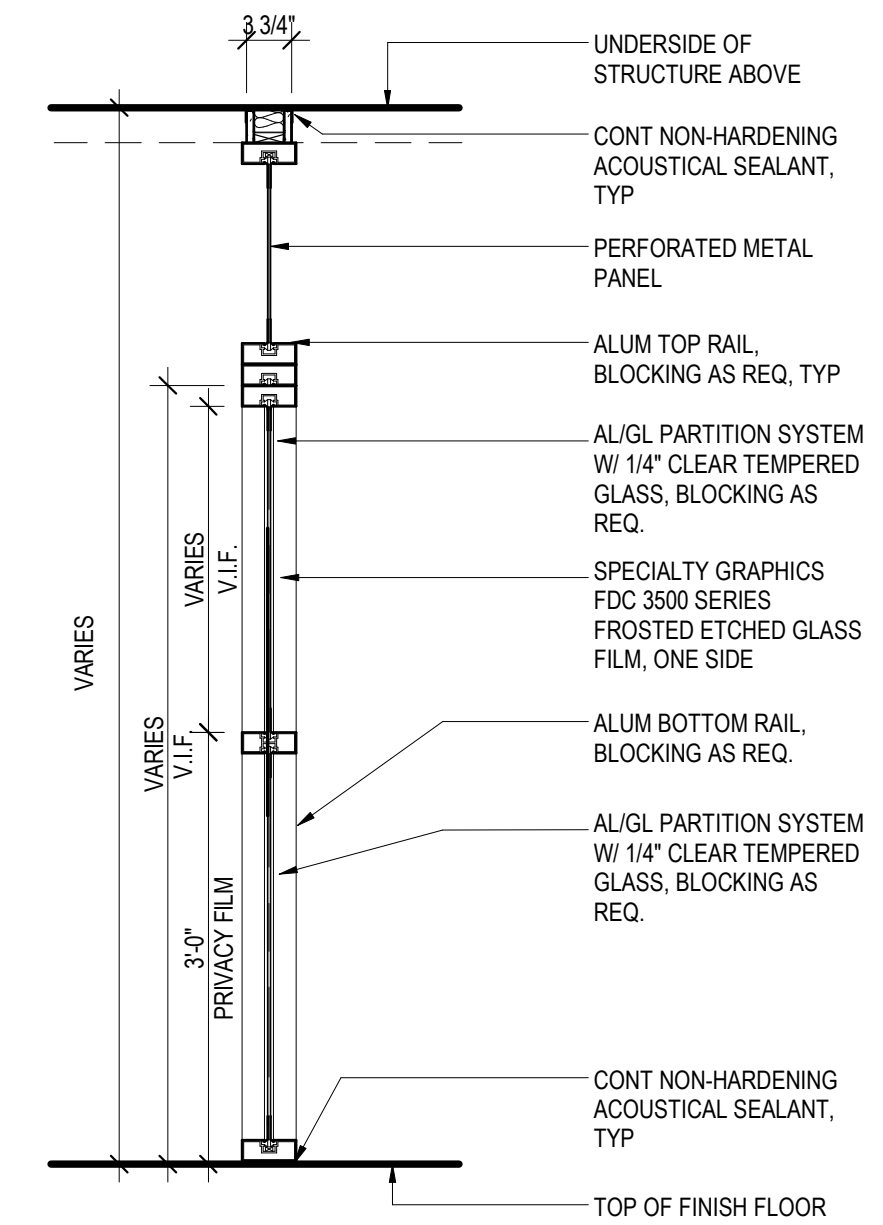
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A011

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A1 FULL HEIGHT STOREFRONT W/ GLASS & METAL INFILL 1/2" = 1'-0" 4



FULL HEIGHT STOREFRONT W/ GLASS & METAL PANEL 3/4" = 1'-0" 2

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 16930 JOHN F.
 KENNEDY BLVD.
 HOUSTON TX 77032
 [T] 281 233 1757
 [F] 281 233 1800

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PGAL
 3131 BRIARPARK DR.
 SUITE 200
 HOUSTON, TX 77042
 [T] 713 622 1444
 [F] 713 968 9333
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 AIRPORT
 7800 AIRPORT BLVD.
 HOUSTON, TX 77061

PROJECT NUMBER
 1004345

SHEET TITLE
 STOREFRONT
 TYPES

SHEET NUMBER

A012

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HAS AVIATION DEPT.
16930 JOHN F.
KENNEDY BLVD.
HOUSTON TX 77032
[T] 281 233 1757
[F] 281 233 1800

ARCHITECT



PGAL
3131 BRIARPARK DR.
SUITE 200
HOUSTON, TX 77042
[T] 713 622 1444
[F] 713 968 9333
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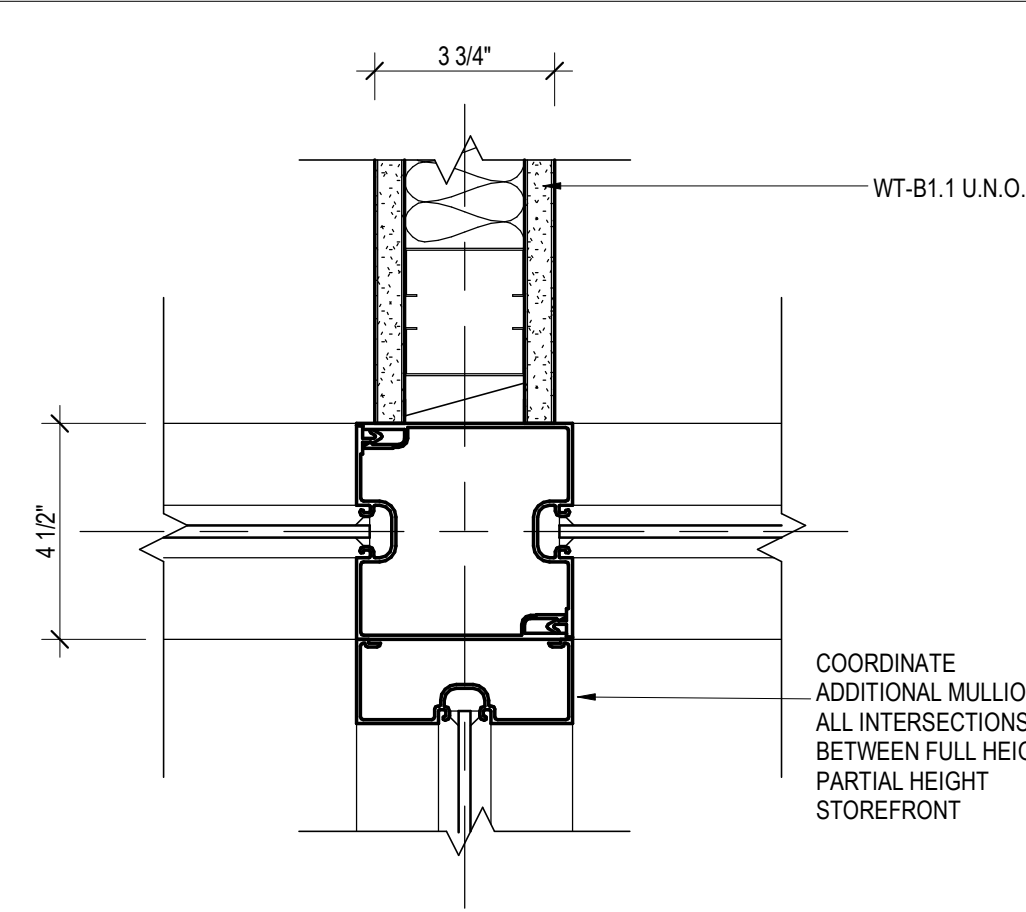
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WILLIAM P. HOBBY
AIRPORT
7800 AIRPORT BLVD.
HOUSTON, TX 77061

PROJECT NUMBER
1004345

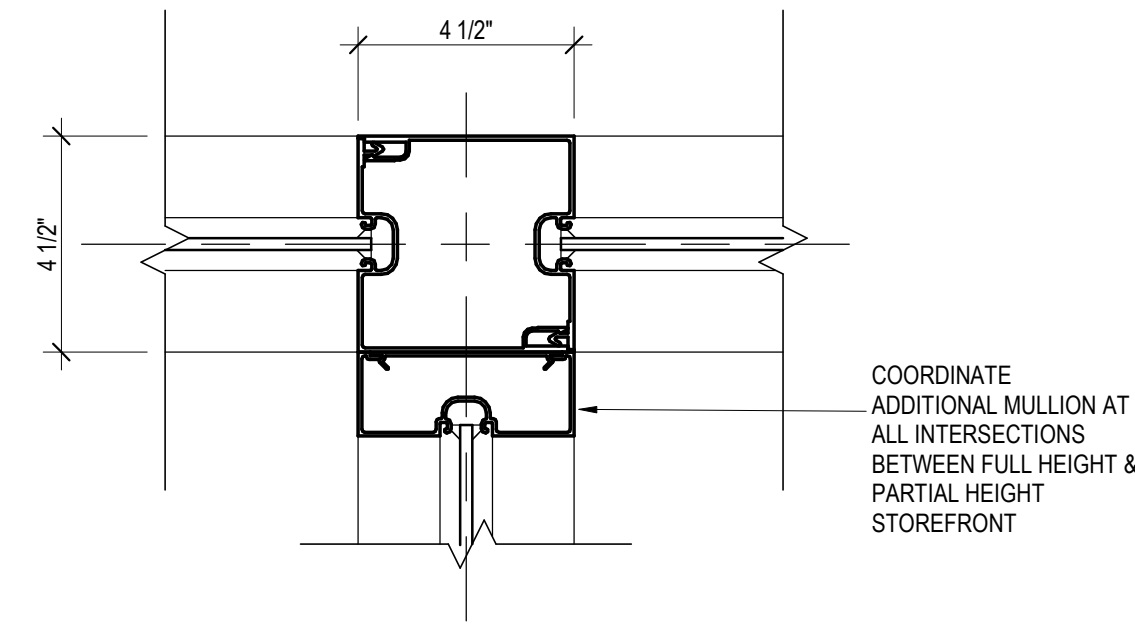
SHEET TITLE
STOREFRONT
DETAILS

SHEET NUMBER

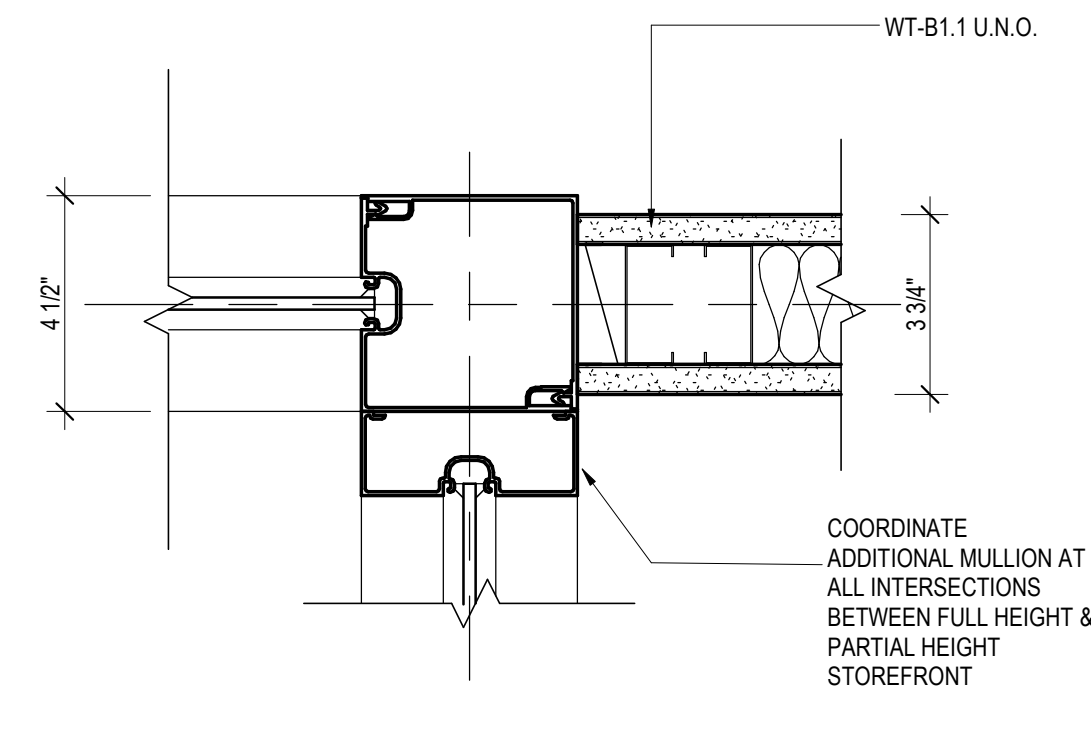
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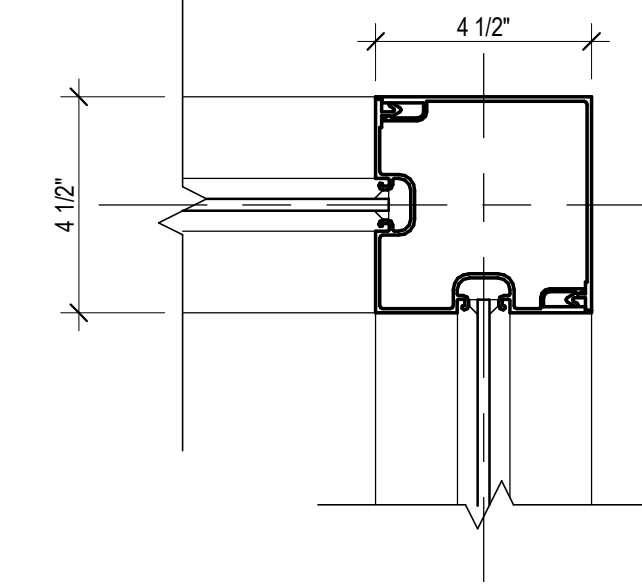
MULLION AT INTERSECTION 3" = 1'-0" 12



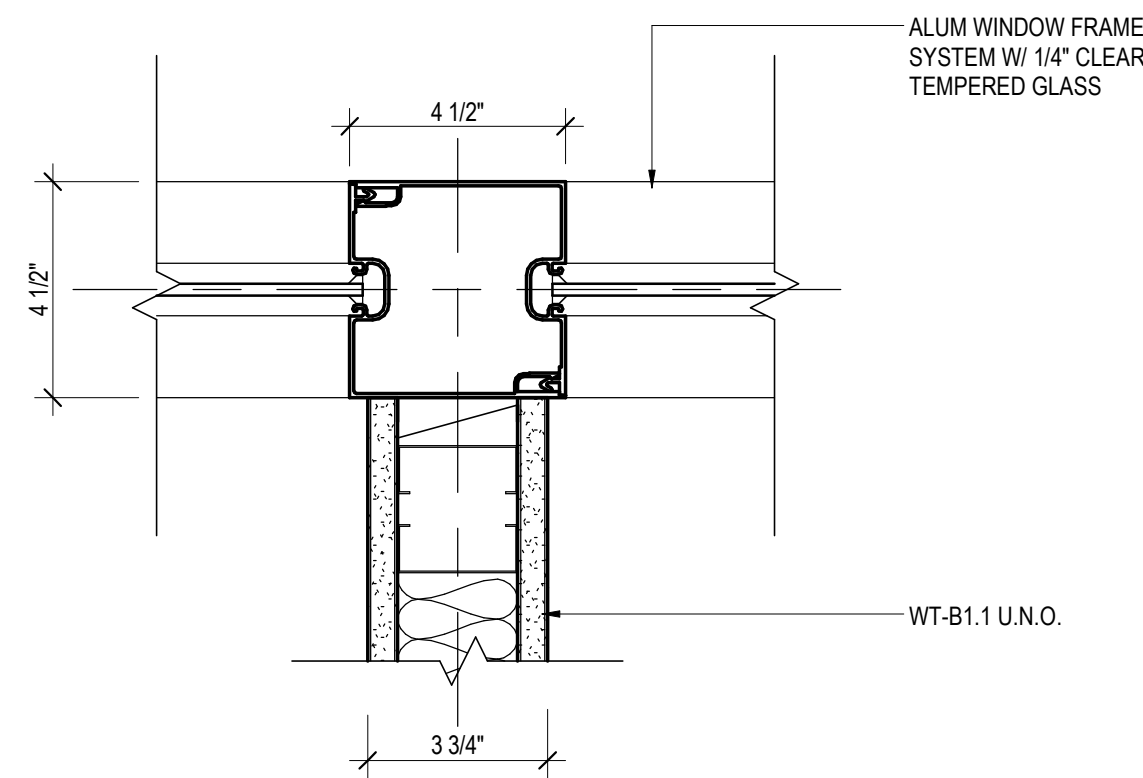
MULLION AT INTERSECTION 3" = 1'-0" 9



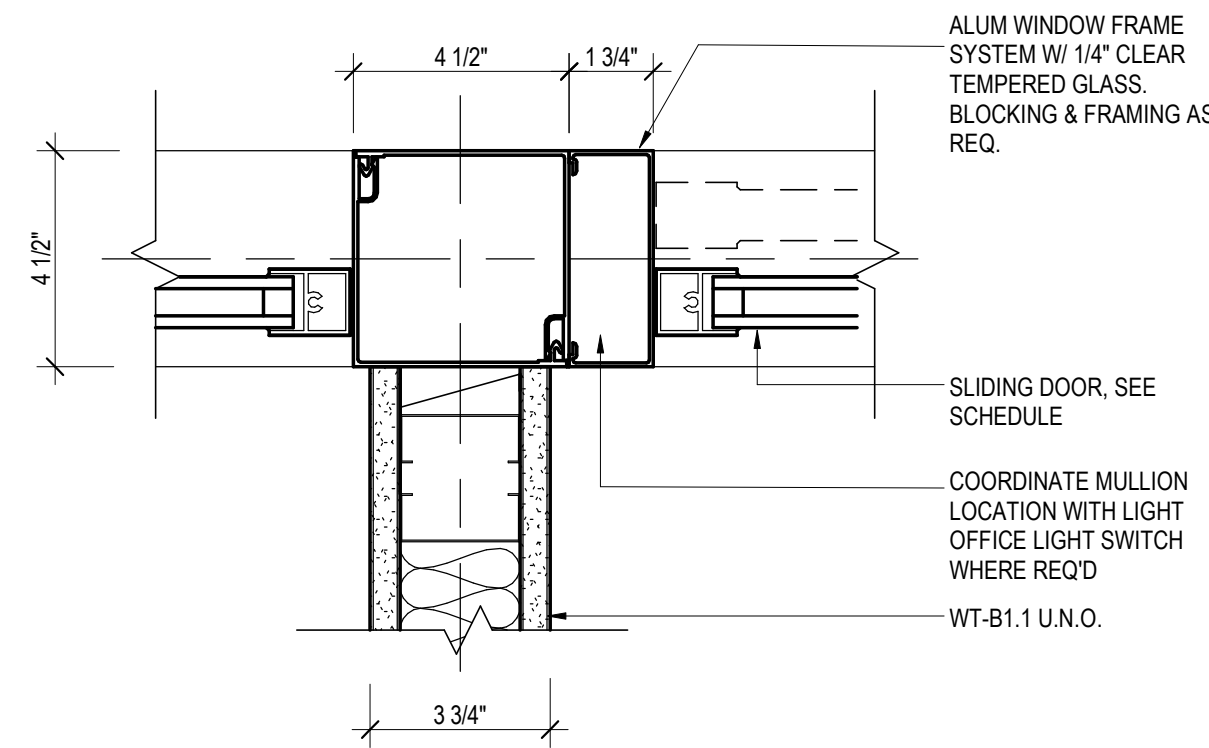
MULLION AT INTERSECTION 3" = 1'-0" 6



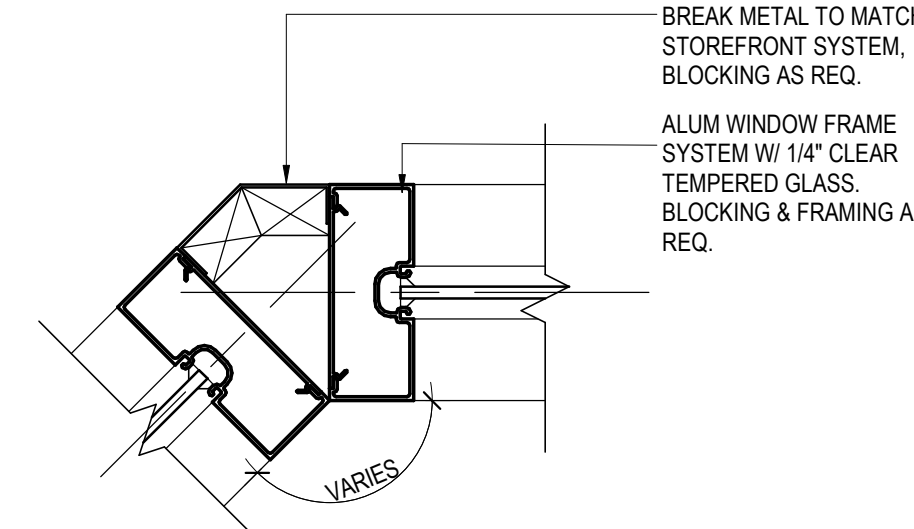
MULLION AT CORNER 3" = 1'-0" 3



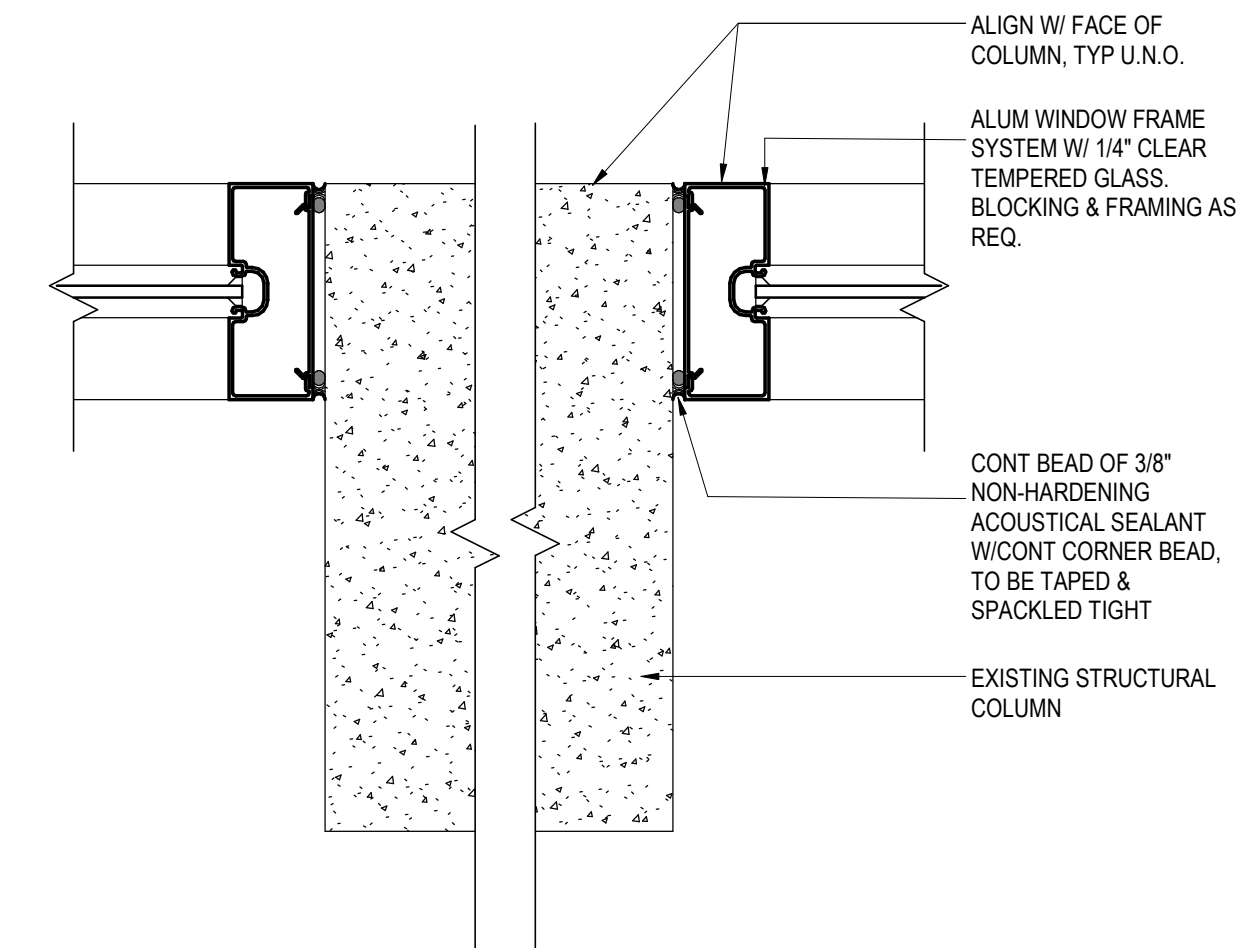
MULLION AT DIVIDING WALL 3" = 1'-0" 11



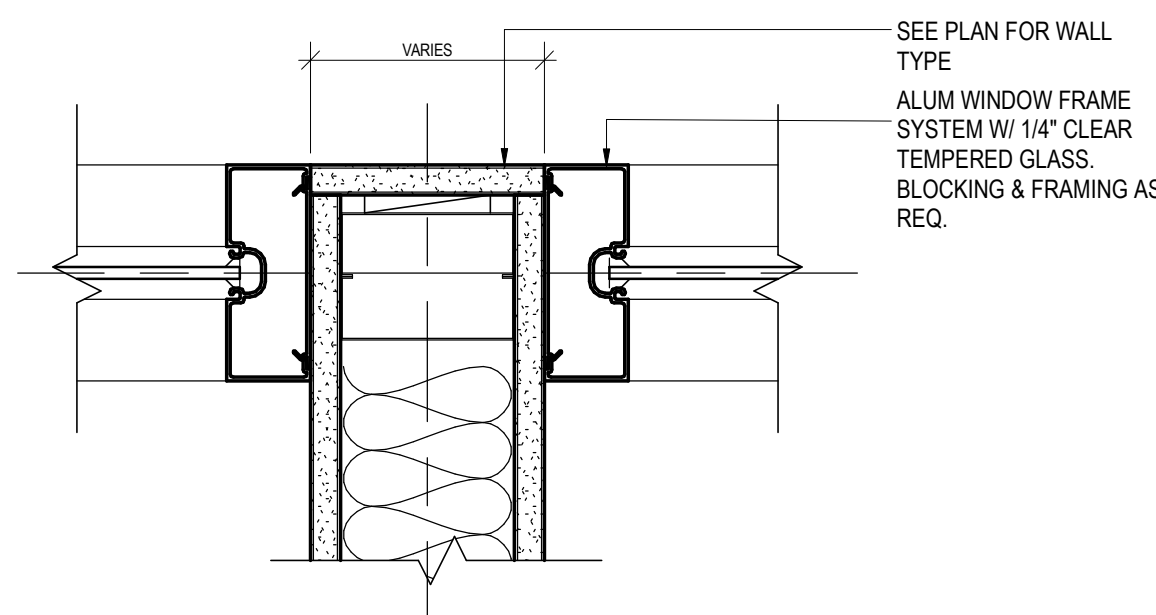
MULLION AT SLIDING DOORS & DIVIDING WALL 3" = 1'-0" 8



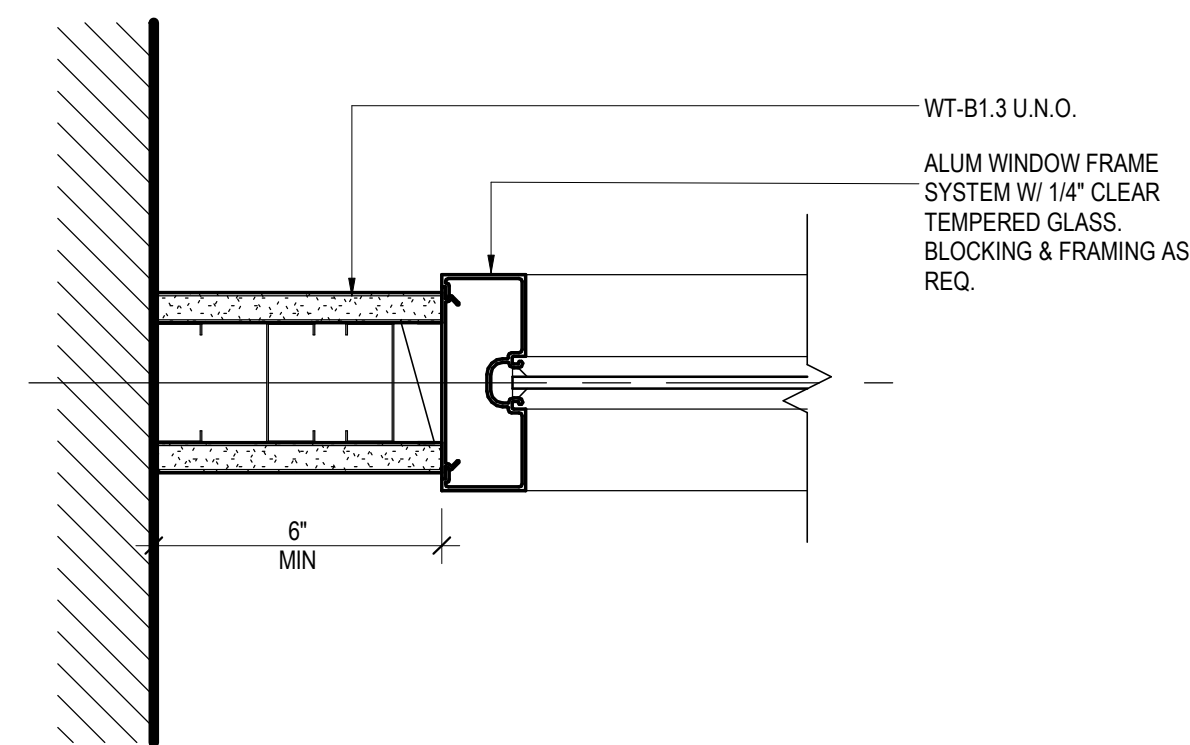
CUSTOM BREAK METAL DETAIL 3" = 1'-0" 5



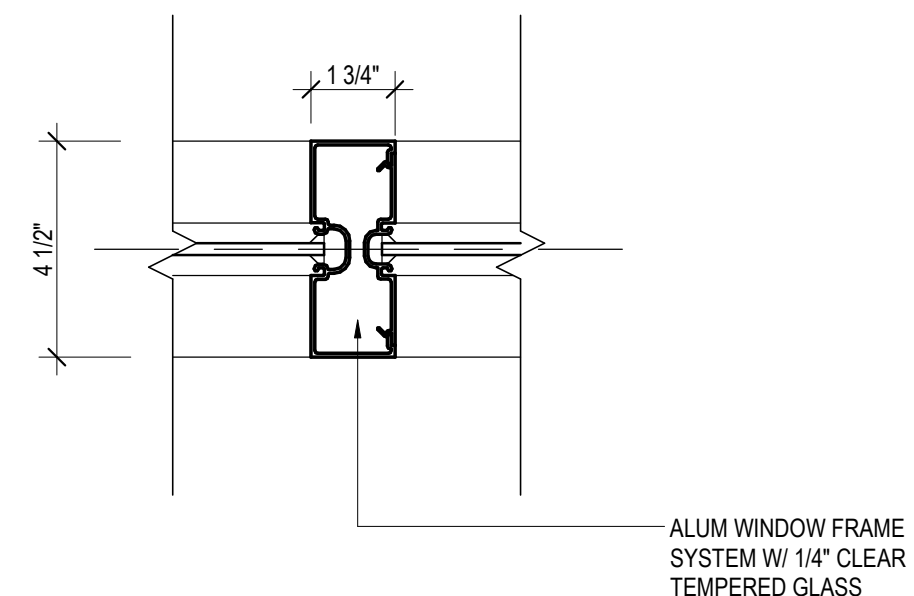
MULLION AT COLUMN 3" = 1'-0" 2



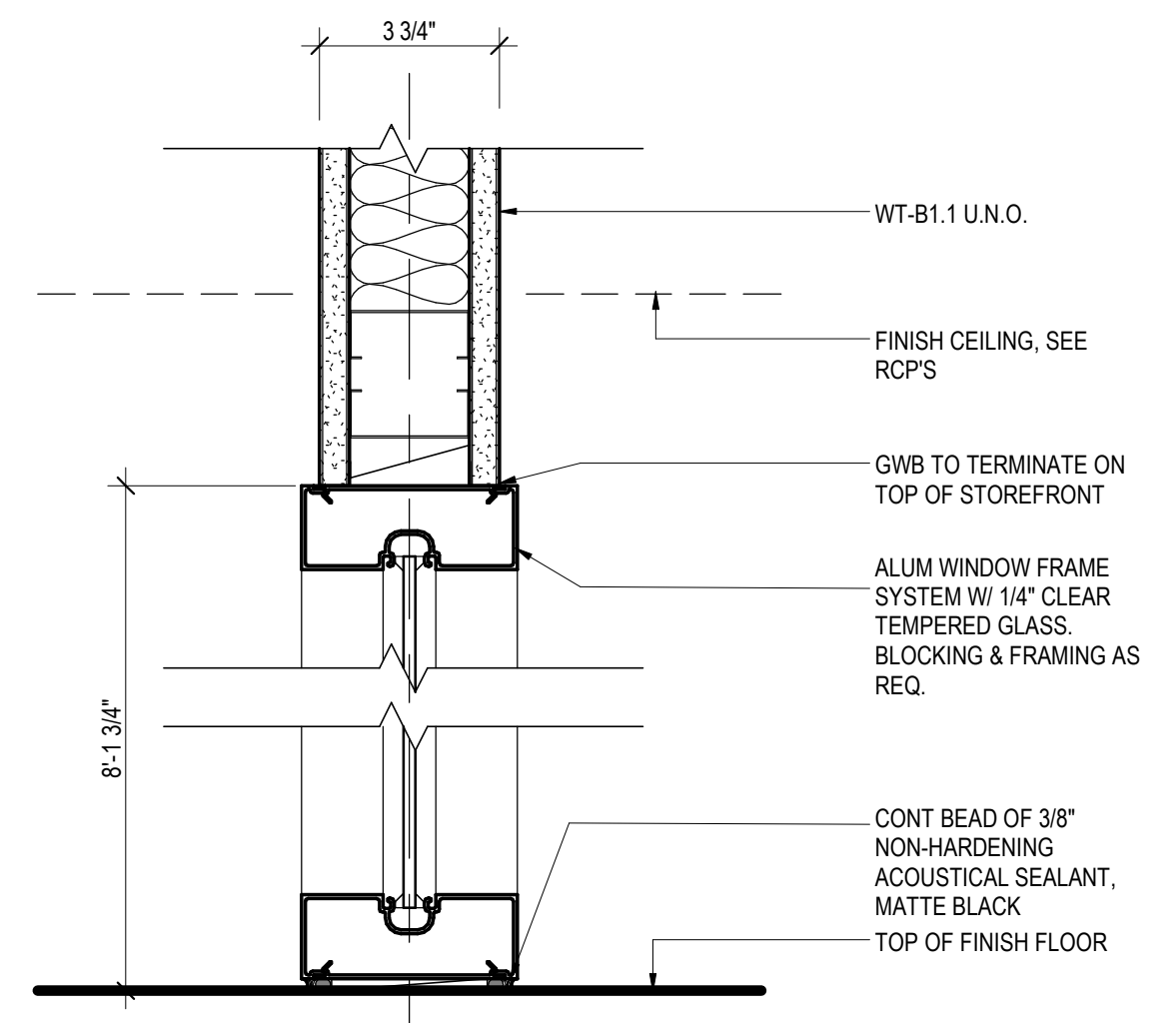
MULLION AT DIVIDING WALL 3" = 1'-0" 10



MULLION AT PERIMETER WALL 3" = 1'-0" 7



TYPICAL MULLION DETAIL 3" = 1'-0" 4



FULL HEIGHT STOREFRONT SYSTEM 3" = 1'-0" 1

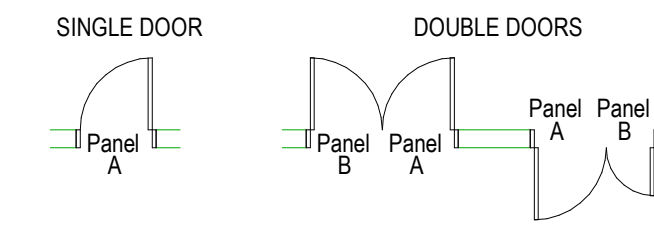
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GENERAL NOTES

- A. PROVIDE UNDERCUT AS REQUIRED FOR THRESHOLD MECHANICAL REQUIREMENTS.
- B. PROVIDE TEMPERED GLASS WHERE REQUIRED BY CODE.
- C. PROVIDE SILICONE SEALANT OVER BACKER ROD AT ALL EXTERIOR FRAMES.
- D. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- E. ALL HOLLOW METAL FRAMES TO BE WELDED FRAMES.
- F. SEE SHEETS A0.020 FOR FINISHES AND MATERIAL LEGENDS.
- G. USE GRAY GASKETS AT ALL GLASS DOORS UNLESS NOTED OTHERWISE.
- H. ALL ALUMINUM DOOR FRAMES TO BE CLEAR ANODIZED AS SPECIFIED U.N.O.
- I. ALL EXIT HARDWARE TO BE TIED TO FIRE ALARM SYSTEM

DOOR PANEL LEGEND



PANEL "A" WILL ALWAYS BE FROM LEFT HINGE SWINGING OUTWARD.

DOOR PANEL MATERIALS

- AL - Aluminum
- WD - Wood
- GL - Glass
- PL - Plastic Laminate

DOOR PANEL TYPES

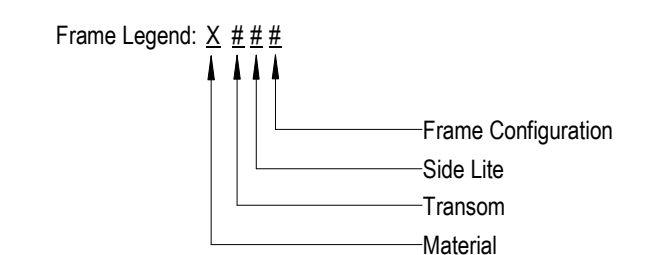
- F - Flush Panel, Single
- DF - Flush Panel, Double
- SS - Storefront Panel, Single
- DS - Storefront Panel, Double
- MS - Storefront Panel, Multiple (More than 2)

FRAME MATERIALS

- AL - Aluminum
- HM - Hollow Metal
- WD - Wood
- DT - Detention Grade Steel

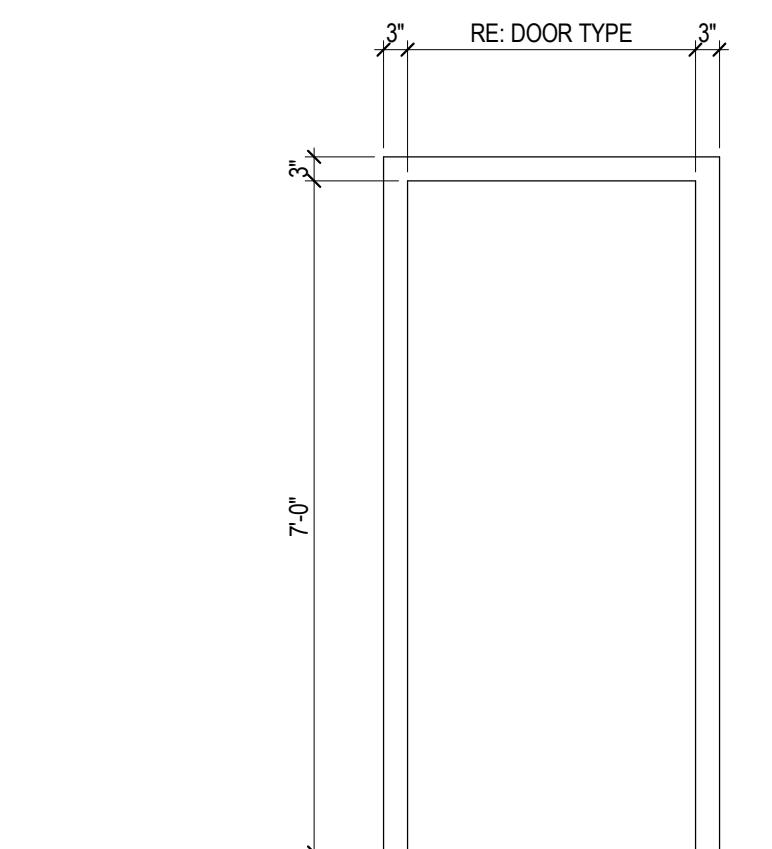
FRAME CONFIGURATION

- Transom: 0 - No Transom
1 - Transom
- Sidelite: 0 - No Sidelite
1 - 1 Sidelite
2 - 2 Sidelites, 1 each side or both
- Frame Config: 1 - 2" Jamb/Head Wraps Wall
2 - 2" Jamb/Head, Mfr Standard
3 - 2" Jamb, 4" Head, Masonry
4 - ---
5 - Transom & Sidelites Both Sides
6 - Sidelite On Either Side
7 - ---
8 - ---
H - Overhead Frame
M - 4" Jamb/Head, Masonry
W - Welded Wire



DOOR SCHEDULE

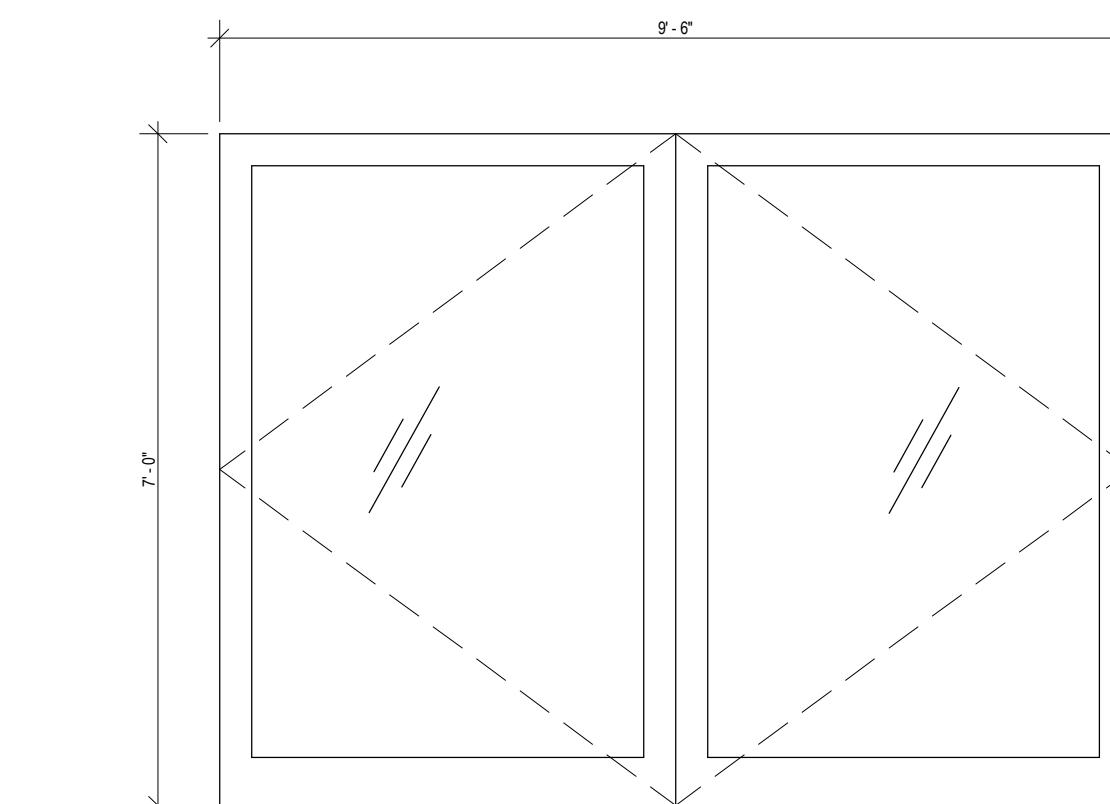
Mark	Panel Size			Matt	Panel	Finish	Frame			Fire Rating	General	Remarks
	Width	Height	THK				Matt	Type	Finish			
101	3'-0"	7'-0"	1/2"	GL	SS	GL1	AL	002	PT1			
102	7'-6"	7'-0"	1/2"	GL	MS	GL1	AL	002	PT1			
103	7'-6"	7'-0"	1/2"	GL	MS	GL1	AL	002	PT1			
104	7'-6"	7'-0"	1/2"	GL	MS	GL1	AL	002	PT1			
105	7'-6"	7'-0"	1/2"	GL	MS	GL1	AL	002	PT1			
106	7'-6"	7'-0"	1/2"	GL	MS	GL1	AL	002	PT1			
107	7'-6"	7'-0"	1/2"	GL	MS	GL1	AL	002	PT1			



AL-002

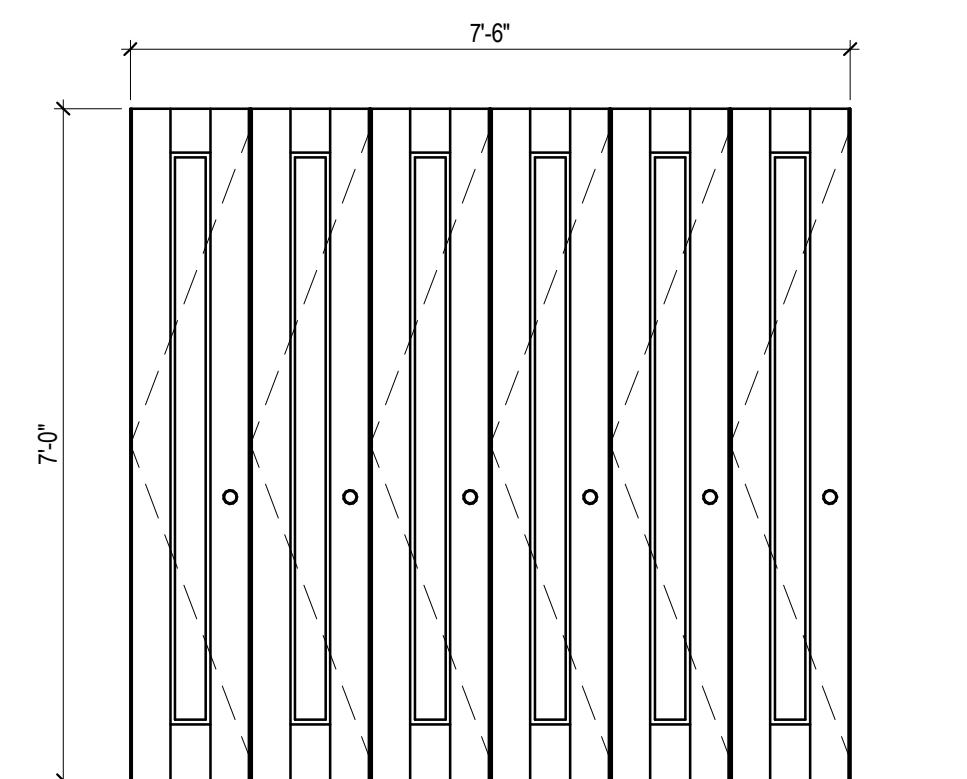
ALUMINUM FRAME - 3" WIDE

FRAME SCHEDULE 1/2" = 1'-0" 1



GL-DS

STORE FRONT-DOUBLE SWING - FULL STYLE ENTRY DOORS



GL-MS

STORE FRONT-MULTIPLE SWING - FULL STYLE ENTRY DOORS

DOOR PANEL TYPES 1/2" = 1'-0" 4

CLIENT



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 HOUSTON TX 77032
 [T] 281 233 1757
 [F] 281 233 1800

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 [T] 713 622 1444
 [F] 713 968 9333
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PROJECT NAME
 HOU-TERMINAL - SECURITY EXIT LANE

PROJECT LOCATION
 WILLIAM P. HOBBY AIRPORT
 7800 AIRPORT BLVD.
 HOUSTON, TX 77061

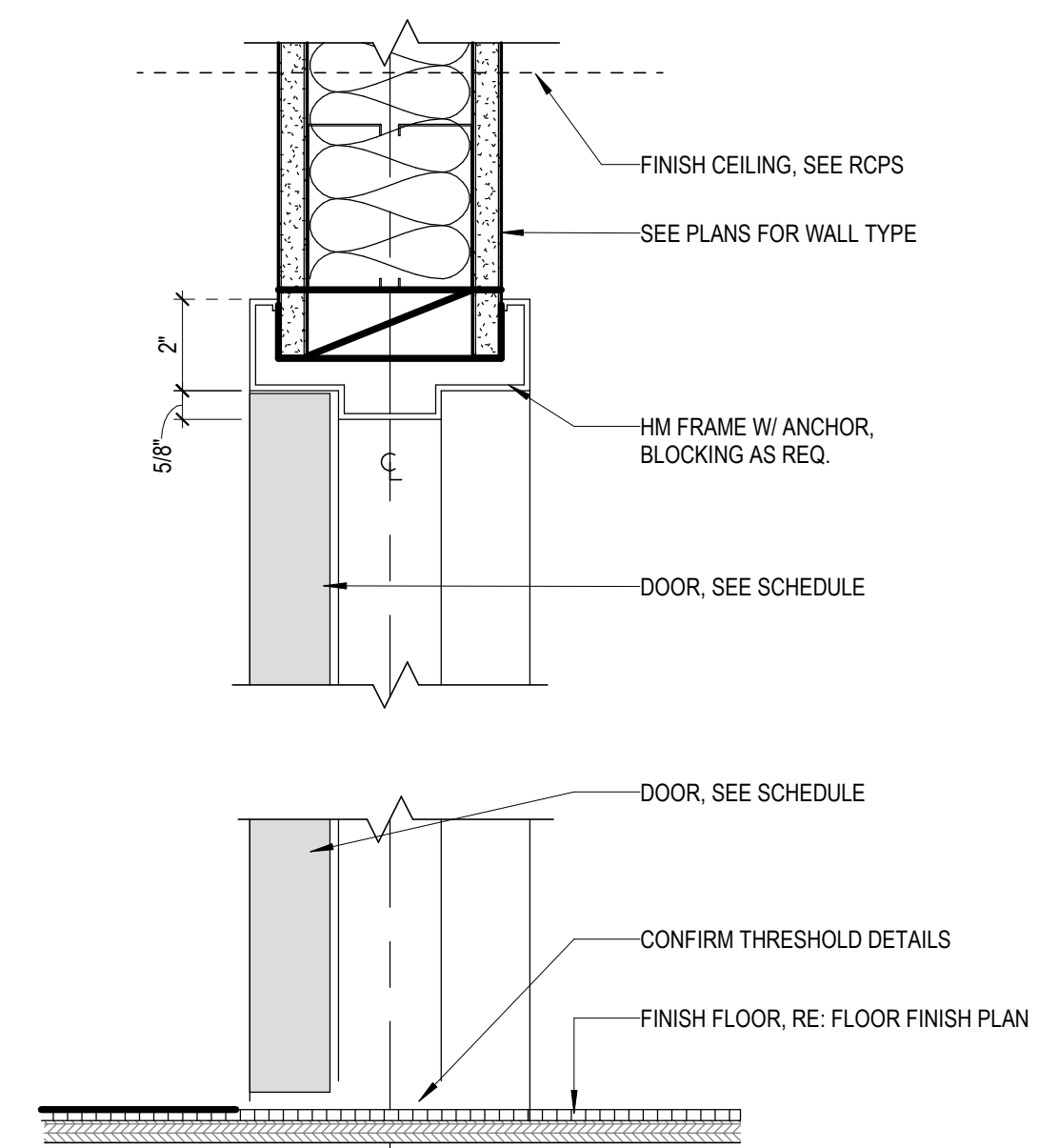
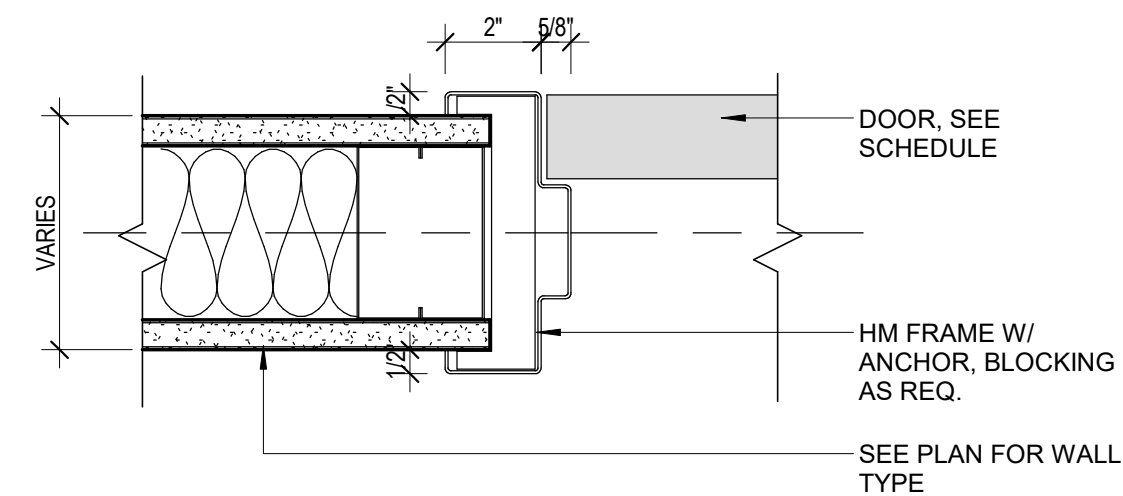
PROJECT NUMBER
 1004345

SHEET TITLE
 DOOR SCHEDULE

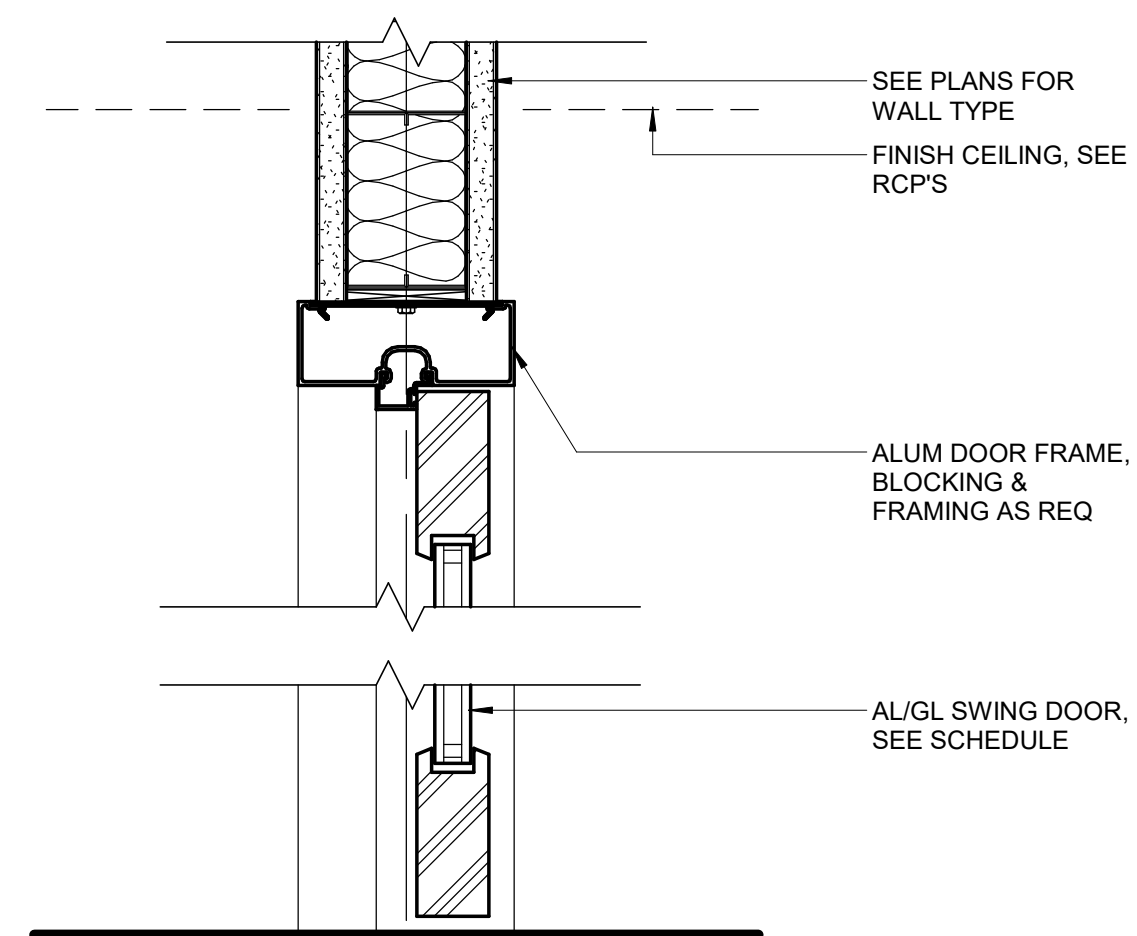
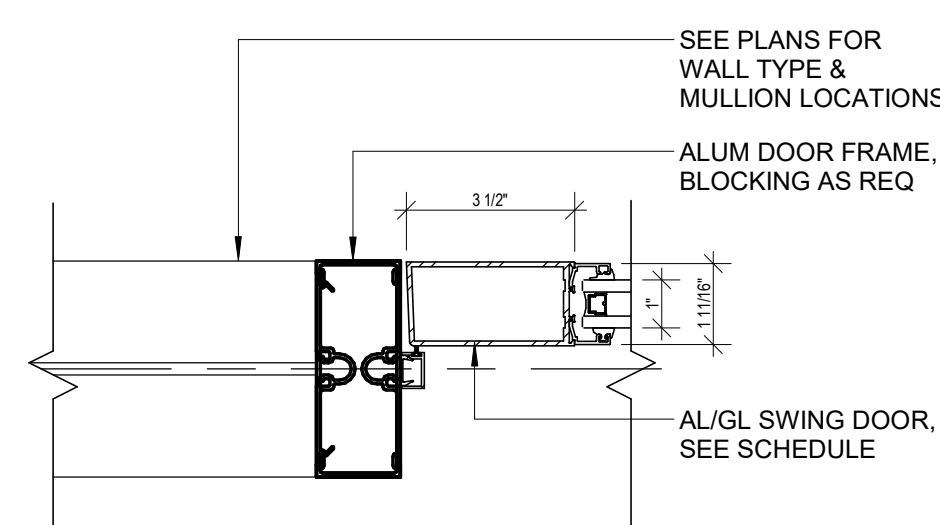
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A030

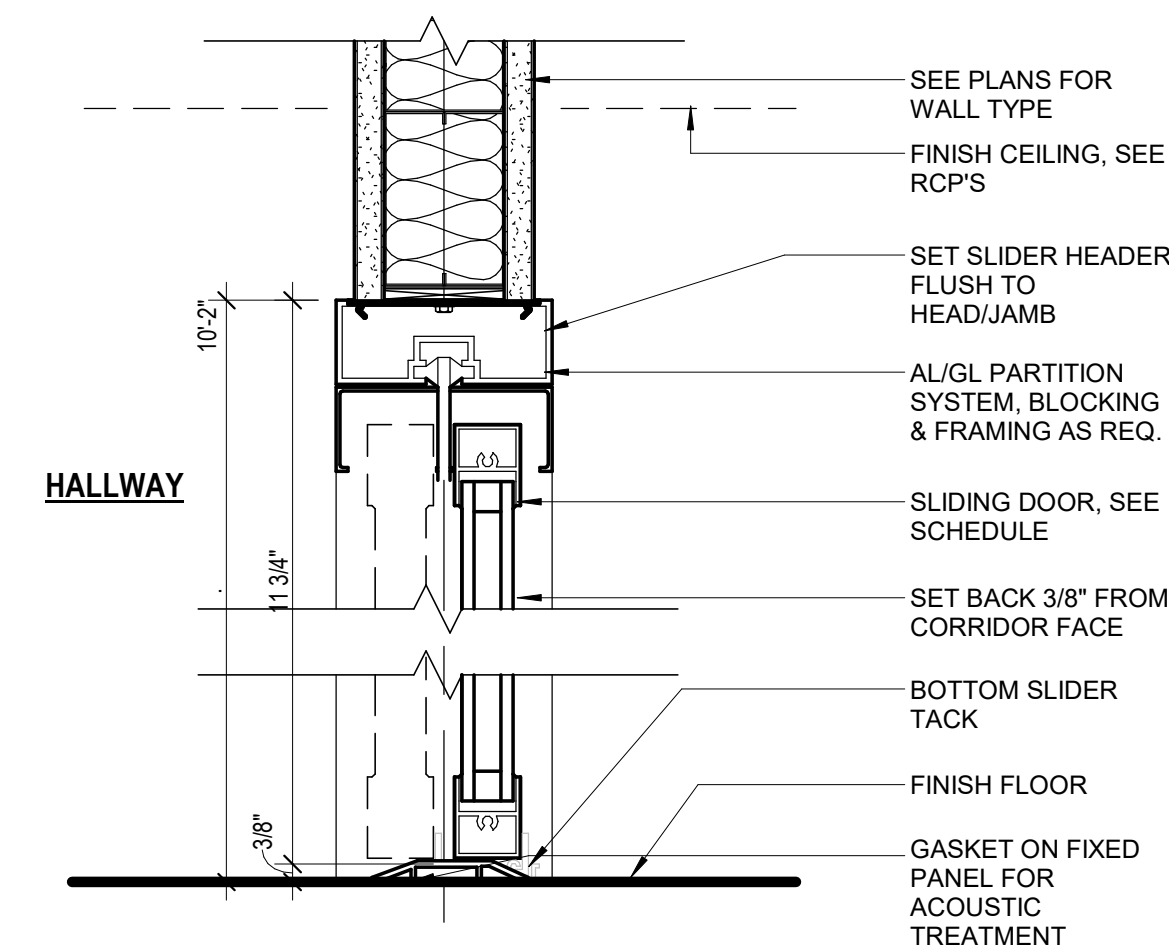
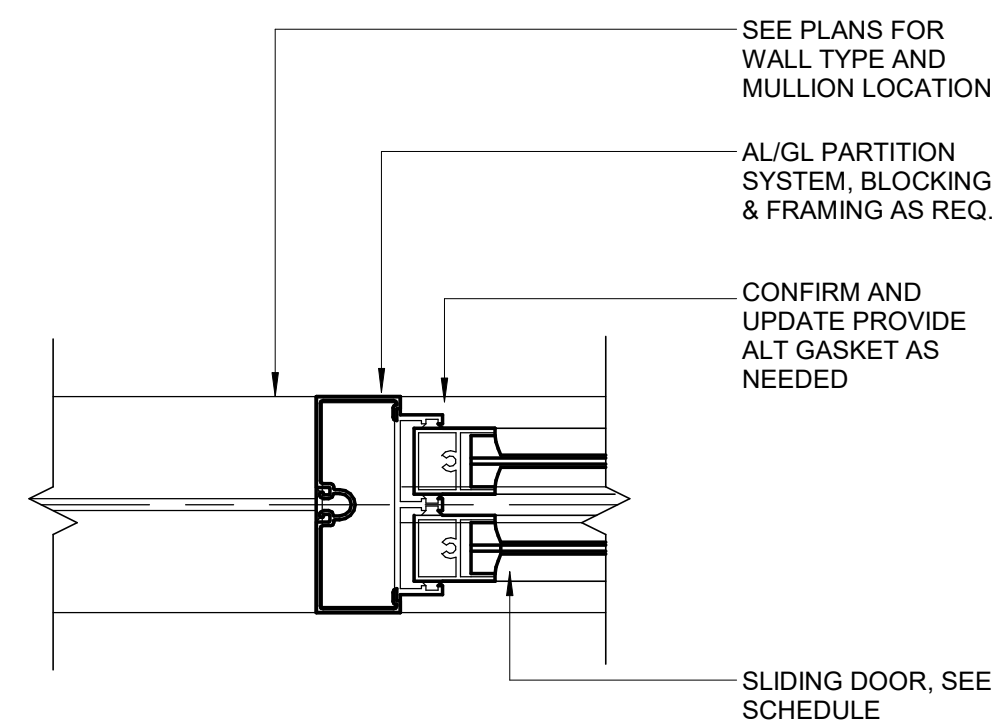
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 DATE/TIME: 8/11/2021 4:25:41 PM



FR3 - HOLLOW METAL FRAME TYPE 3" = 1'-0" **3**



FR2 - STOREFRONT SWING DOOR FRAME TYPE 3" = 1'-0" **2**



FR1 - STOREFRONT SLIDING DOOR FRAME TYPE 3" = 1'-0" **1**

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 KENNEDY BLVD.
 HOUSTON TX 77032
 [T] 281 233 1757
 [F] 281 233 1800

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 SUITE 200
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PROJECT NAME
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 - SECURITY
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PROJECT LOCATION
 WILLIAM P. HOBBY
 AIRPORT
 7800 AIRPORT BLVD.
 HOUSTON, TX 77061

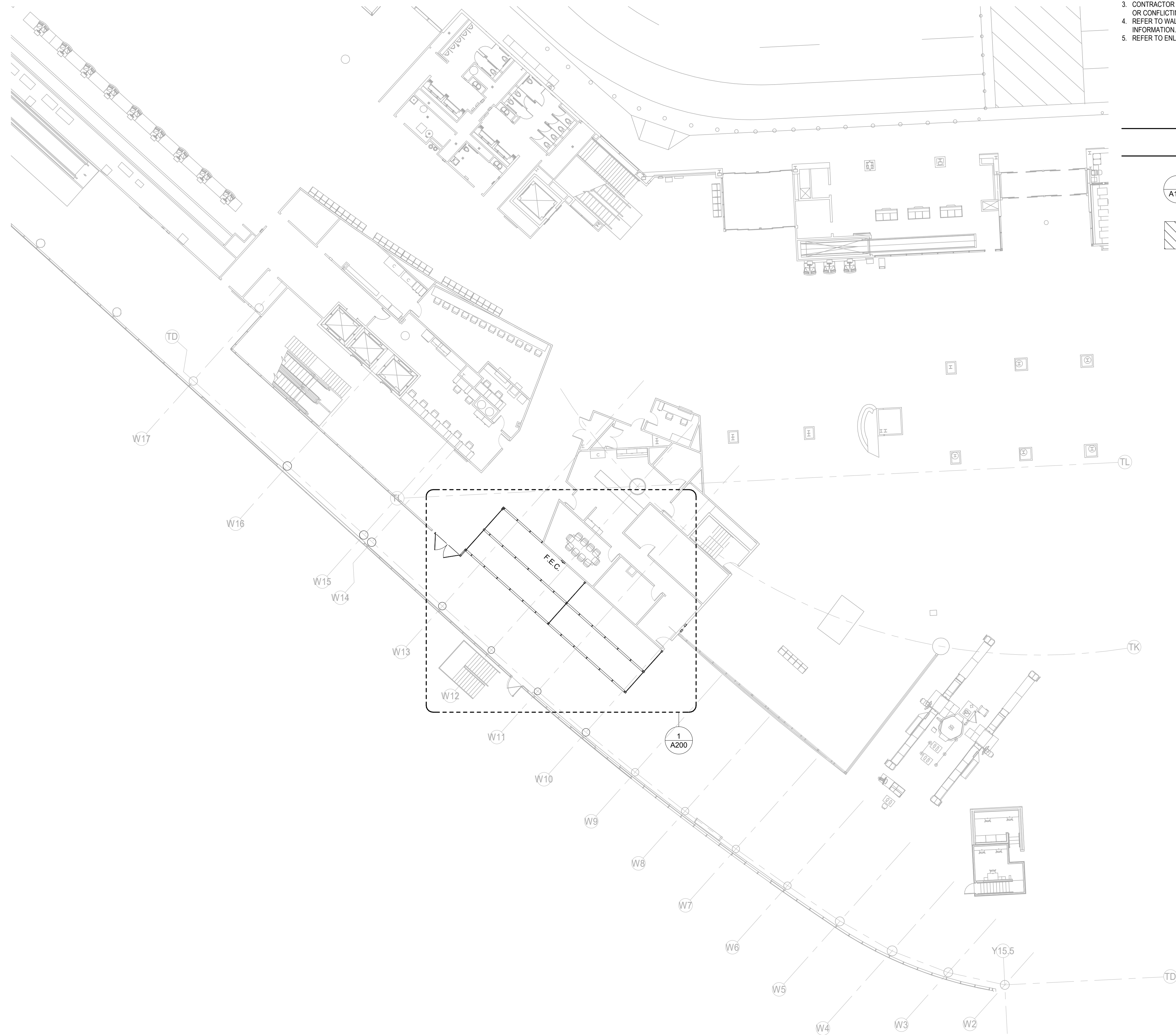
PROJECT NUMBER
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SHEET TITLE
 DOOR DETAILS

SHEET NUMBER

A035

FILE NAME: C:\@RevitLocals\HOU-TERM - SECURITY EXIT LANE_VQujjada@pgal.com(Recovery).rvt
 DATE/TIME: 9/9/2021 11:40:56 AM



GENERAL NOTES

- DO NOT SCALE DIMENSIONS FROM DRAWINGS. ANY UNKNOWN DIMENSION SHALL BE OBTAINED FROM DESIGN PROFESSIONALS VIA REQUEST FOR INFORMATION (RFI).
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
- CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCY, INACCURACY OR CONFLICTING INFORMATION BEFORE EXECUTION OF WORK.
- REFER TO WALL PARTITION/STOREFRONT TYPES SHEET A011 FOR ADDITIONAL INFORMATION.
- REFER TO ENLARGED ELEVATIONS AND AXO ON SERIES SHEETS A400.

LEGEND

- SIM VIEW REFERENCE CALLOUT
- NOT INCLUDED IN SCOPE OF WORK

LEVEL 02 - TICKETING - FLOOR PLAN - TERMINAL 1/16" = 1'-0" 1

CLIENT



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 HOUSTON TX 77032
 [T] 281 233 1757
 [F] 281 233 1800

ARCHITECT



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 SUITE 200
 HOUSTON, TX 77042
 [T] 713 622 1444
 [F] 713 968 9333
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DEPARTMENT OF AVIATION
 RECOMMENDED:

HOU-TERM - SECURITY EXIT LANE
 HOUSTON AIRPORT SYSTEM
 DIRECTOR OR DESIGN REPRESENTATIVE
 HAS TIP 21-157 - IAH

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DRAWING HISTORY

NO.	DATE	DESCRIPTION
1	09-09-21	FOR INFORMATION AND REFERENCE ONLY

PROJECT NAME
HOU-TERMINAL - SECURITY EXIT LANE

PROJECT LOCATION
 WILLIAM P. HOBBY AIRPORT
 7800 AIRPORT BLVD.
 HOUSTON, TX 77061

PROJECT NUMBER
 1004345

SHEET TITLE
 OVERALL FLOOR PLAN - TERMINAL

SHEET NUMBER

A100

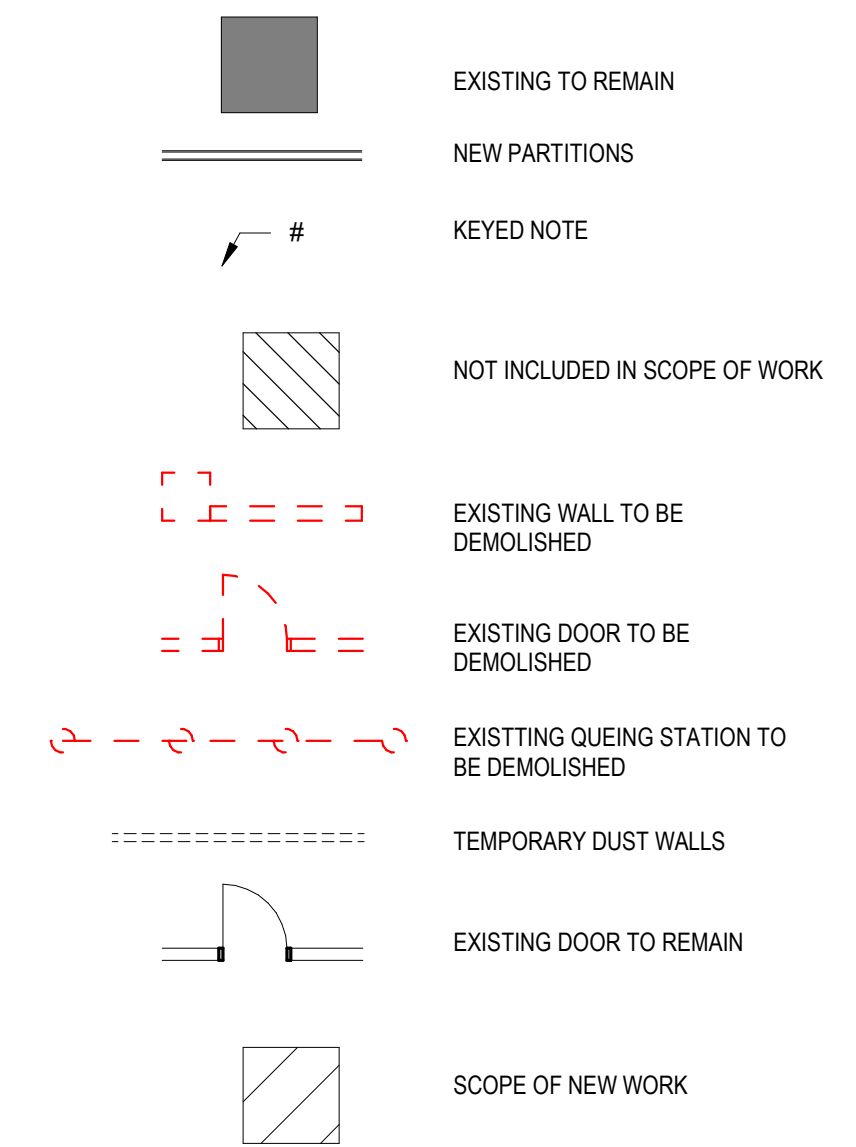
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GENERAL NOTES - DEMO

1. DO NOT SCALE DIMENSIONS FROM DRAWINGS. ANY UNKNOWN DIMENSION SHALL BE OBTAINED FROM DESIGN PROFESSIONALS VIA REQUEST FOR INFORMATION (RFI).
2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
3. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCY, INACCURACY OR CONFLICTING INFORMATION BEFORE EXECUTION OF WORK.
4. REFER TO WALL PARTITION/STOREFRONT TYPES SHEET A011 FOR ADDITIONAL INFORMATION.
5. REFER TO ENLARGED ELEVATIONS AND AXO ON SERIES SHEETS A400.
6. REFER TO DOOR SCHEDULES AND DOOR TYPES SHEET A030.
7. ALL SHAFT PENETRATING SLAB SHALL BE RATED 2H.
8. ARCHITECTURAL LIGHTING ARE FOR LOCATE AND TYPE REFERENCE ONLY. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE DESIGNATIONS AND SPECIFICATIONS.
9. USE UNISTRUT BELOW MECHANICAL DUCT OR STRUCTURAL BEAMS TO ACCOMMODATE LIGHT FIXTURES AS NEEDED.
10. PATCH AND REPAIR EXISTING EXPOSED CEILING AS NEEDED.

LEGEND - PHASING PLAN



PHASING PLAN KEYNOTES

- | | |
|-------|--|
| 02.01 | PHASE ONE: DEMO EXISTING DOORS |
| 02.02 | PHASE ONE: EXISTING GRAPHICS TO BE REMOVED |
| 02.03 | PHASE TWO: INSTALL NEW DUST WALL. FIRE TREATED WOOD FRAME AND PLYWOOD, PAINTED WHITE TO PUBLIC SIDE. WALLS TO BE LOCKABLE. |
| 02.04 | PHASE THREE: BYPASS DOORS |
| 02.05 | PHASE FOUR: INSTALL NEW WORK PER SCOPE - TEST & CLOSEOUT. |
| 02.06 | PHASE FIVE: REMOVE DUSTWALLS. |

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HAS AVIATION DEPT.
 16930 JOHN F.
 KENNEDY BLVD.
 HOUSTON TX 77032
 [T] 281 233 1757
 [F] 281 233 1800

ARCHITECT



PGAL
 3131 BRIARPARK DR.
 SUITE 200
 HOUSTON, TX 77042
 [T] 713 622 1444
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PROJECT NAME
**HOU-TERMINAL
 - SECURITY
 EXIT LANE**

PROJECT LOCATION
 WILLIAM P. HOBBY
 AIRPORT
 7800 AIRPORT BLVD.
 HOUSTON, TX 77061

PROJECT NUMBER
 1004345

SHEET TITLE
 ENLARGED FLOOR
 PLAN - TERMINAL -
 PHASING PLAN

SHEET NUMBER

AP200

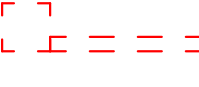


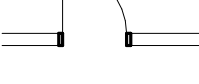

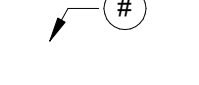
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GENERAL NOTES - DEMO

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LEGEND - DEMO

-  EXISTING WALL TO BE DEMOLISHED
-  EXISTING DOOR TO BE DEMOLISHED
-  EXISTING WALL TO REMAIN
-  EXISTING DOOR TO REMAIN
-  QUEUING STANCHION
-  KEYED NOTE

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HAS AVIATION DEPT.
 16930 JOHN F.
 KENNEDY BLVD.
 HOUSTON TX 77032
 [T] 281 233 1757
 [F] 281 233 1800

ARCHITECT

PGAL

PGAL
 3131 BRIARPARK DR.
 SUITE 200
 HOUSTON, TX 77042
 [T] 713 622 1444
 [F] 713 968 9333
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DRAWING HISTORY

NO.	DATE	DESCRIPTION
1	09-09-21	FOR INFORMATION AND REFERENCE ONLY

PROJECT NAME
**HOU-TERMINAL
 - SECURITY
 EXIT LANE**

PROJECT LOCATION
 WILLIAM P. HOBBY
 AIRPORT
 7800 AIRPORT BLVD.
 HOUSTON, TX 77061

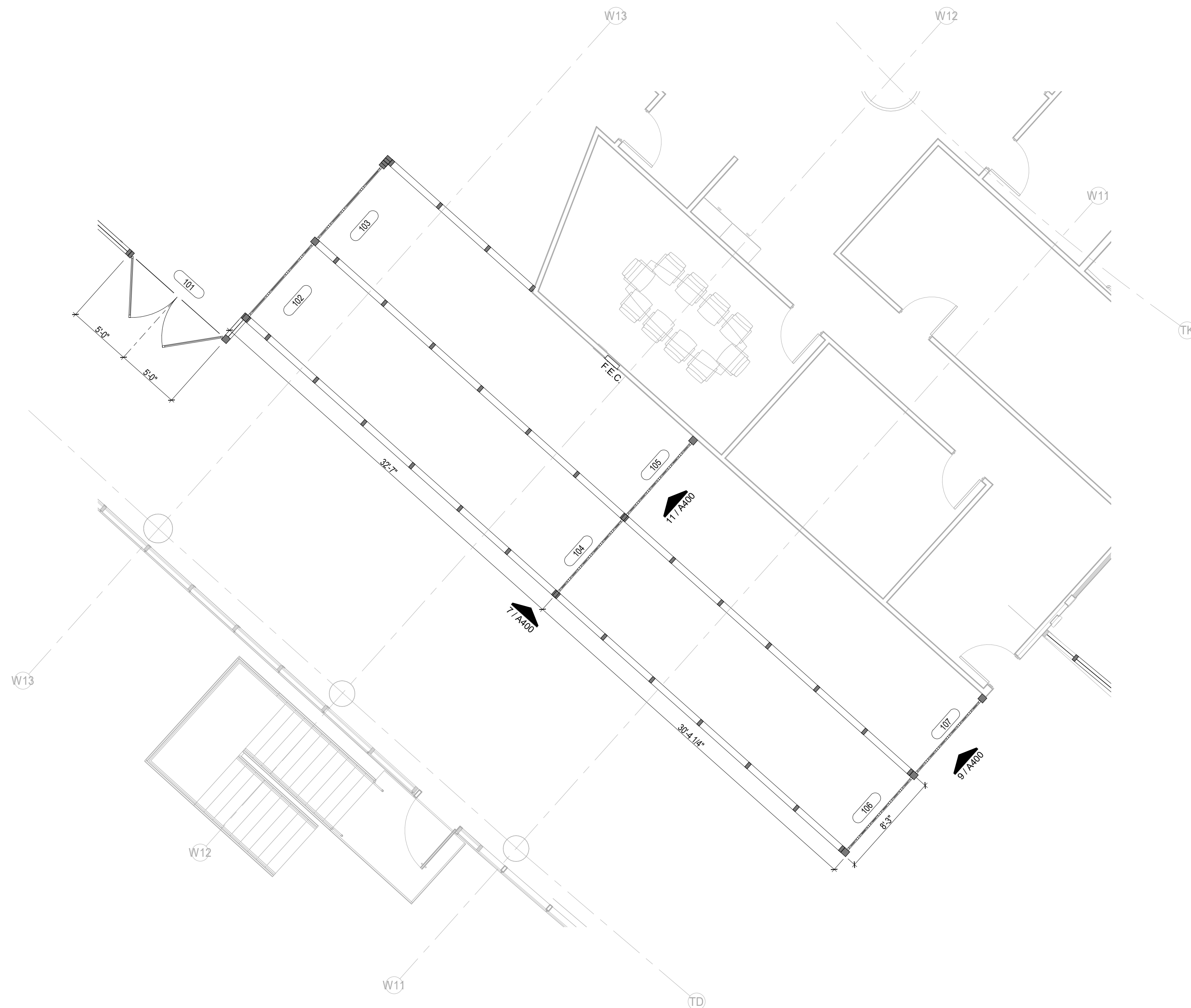
PROJECT NUMBER
 1004345

SHEET TITLE
 DEMOLITION
 FLOOR PLAN
 -TERMINAL

SHEET NUMBER

AD200

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LEVEL 02 - TICKETING - FLOOR PLAN - TERMINAL - ENLARGED 3/16" = 1'-0" 1

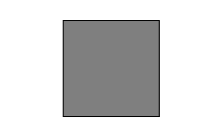

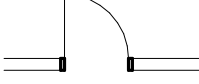
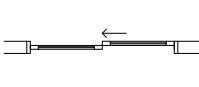
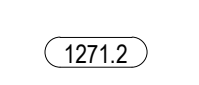
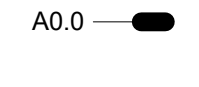
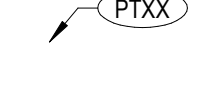
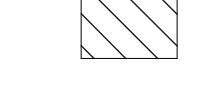
GENERAL NOTES - PLAN

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- REFER TO ENLARGED ELEVATIONS AND AXO ON SERIES SHEETS A400.
- REFER TO DOOR SCHEDULES AND DOOR TYPES SHEET A030.
- ALL SHAFT PENETRATING SLAB SHALL BE RATED 2H.
- CONTRACTOR SHALL FIELD COORDINATE LOCATION, SIZE AND TYPE OF BLOCKING FOR INSTALLATION OF SIGNAGE, MILLWORK, ETC. ALL CONCEALED WOOD SHALL BE FIRE RETARDANT TREATED (FRT).

GENERAL NOTES

- FIELD COORDINATE CONDUIT ROUTING
- EXPOSED CONDUIT SHALL BE PAINTED TO MATCH ADJACENT SURFACES
- LABEL SECURITY CONDUITS. REFER TO NOTES ON SHEET G002.
- ALL SECURITY SYSTEM EQUIPMENT FURNISHINGS, CONDUIT, CABLING AND OTHER RELATED MATERIALS AND INTERFACES SHALL BE INSTALLED IN ACCORDANCE WITH PROJECT CONSTRUCTION DOCUMENTS AND SCHEDULES.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL CABLING AND CONDUIT FROM SECURITY DEVICE LOCATIONS TO DESIGNATED NODES/ROOMS. CABLING SHALL BE OF APPROPRIATE TYPE AND GAUGE AS REQUIRED BY THE MANUFACTURER. FOR PROPER SYSTEM OPERATION, CONTRACTOR SHALL ENSURE CABLES TO EACH DEVICE PROVIDE SUFFICIENT VOLTAGE, OR SIGNAL STRENGTH TO OPERATE WITHIN MANUFACTURERS SPECIFIED LIMITS.
- CONTRACTOR SHALL COORDINATE EXACT DEVICE MOUNTING LOCATIONS WITH OWNERS DESIGNATED REPRESENTATIVE AND OTHER TRADES PRIOR TO INSTALLATION OF DEVICES AND RELATED INFRASTRUCTURE.
- CONTRACTOR SHALL FIELD VERIFY AND COORDINATE WITH OWNERS DESIGNATED REPRESENTATIVE FINAL FIELD OF VIEW OF SECURITY CAMERAS.
- ALL SECURITY CAMERAS SHALL BE PROVIDED WITH APPROPRIATE HOUSING AND MOUNTS IN IDENTIFIED LOCATIONS.
- CONTRACTOR SHALL PATCH AND REPAIR ANY SURFACE AFFECTED FROM INSTALLATION IN THE COURSE OF THE SCOPE OF WORK TO ORIGINAL OR MATCHING CONDITIONS.
- EXISTING SECURITY INFRASTRUCTURE AND COMPONENTS EFFECTED BY CONSTRUCTION SHALL BE REROUTED AND/OR DECOMMISSIONED.

LEGEND

-  EXISTING TO REMAIN
-  NEW PARTITIONS
-  NEW DOOR
-  NEW SLIDING DOOR
-  SCHEDULED DOOR. REFER TO SHEET A0.30
-  SCHEDULED PARTITION REFER TO SHEETS A0.11
-  MATERIAL TAG
-  NOT INCLUDED IN SCOPE OF WORK

CLIENT

HAS AVIATION DEPT.
 16930 JOHN F. KENNEDY BLVD.
 HOUSTON TX 77032
 [T] 281 233 1757
 [F] 281 233 1800

ARCHITECT


PGAL
 3131 BRIARPARK DR.
 SUITE 200
 HOUSTON, TX 77042
 [T] 713 622 1444
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DRAWING HISTORY

NO.	DATE	DESCRIPTION
1	09-09-21	FOR INFORMATION AND REFERENCE ONLY
2	08-31-21	Addendum #1

PROJECT NAME
 HOU-TERMINAL
 - SECURITY
 EXIT LANE

PROJECT LOCATION
 WILLIAM P. HOBBY
 AIRPORT
 7800 AIRPORT BLVD.
 HOUSTON, TX 77061

PROJECT NUMBER
 1004345

SHEET TITLE
 ENLARGED FLOOR
 PLAN - TERMINAL

SHEET NUMBER

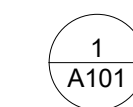
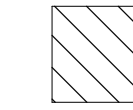
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FILE NAME: C:\Revit\Locals\HOU-TERM - SECURITY EXIT LANE_VQjijada@pgal.com.rvt
 DATE/TIME: 8/11/2021 4:26:00 PM

GENERAL NOTES

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- REFER TO WALL PARTITION/STOREFRONT TYPES SHEET A011 FOR ADDITIONAL INFORMATION.
- REFER TO ENLARGED ELEVATIONS AND AXO ON SERIES SHEETS A400.

LEGEND

-  SIM VIEW REFERENCE CALLOUT
-  NOT INCLUDED IN SCOPE OF WORK

CLIENT



HAS AVIATION DEPT.
 16930 JOHN F. KENNEDY BLVD.
 HOUSTON TX 77032
 [T] 281 233 1757
 [F] 281 233 1800

ARCHITECT



PGAL
 3131 BRIARPARK DR.
 SUITE 200
 HOUSTON, TX 77042
 [T] 713 622 1444
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DEPARTMENT OF AVIATION
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DRAWING HISTORY

NO.	DATE	DESCRIPTION
1	09-09-21	FOR INFORMATION AND REFERENCE ONLY

PROJECT NAME
 HOU-TERMINAL
 - SECURITY
 EXIT LANE

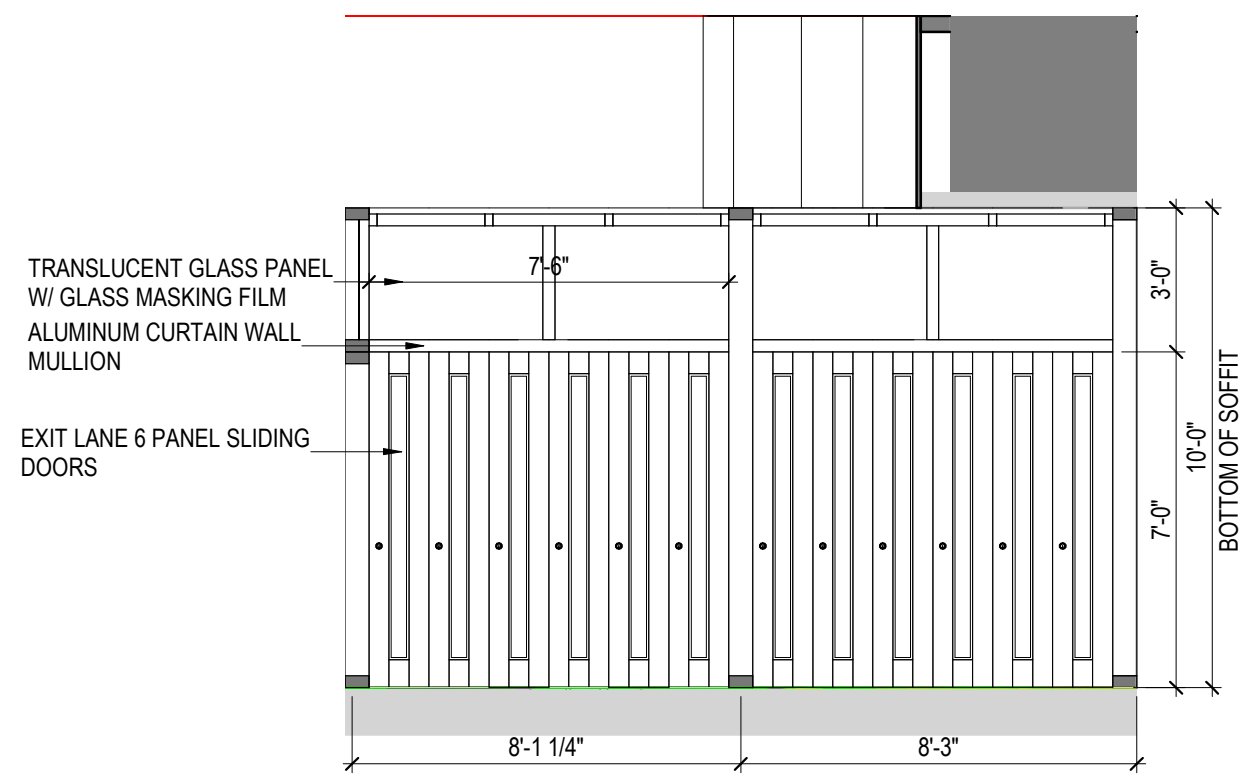
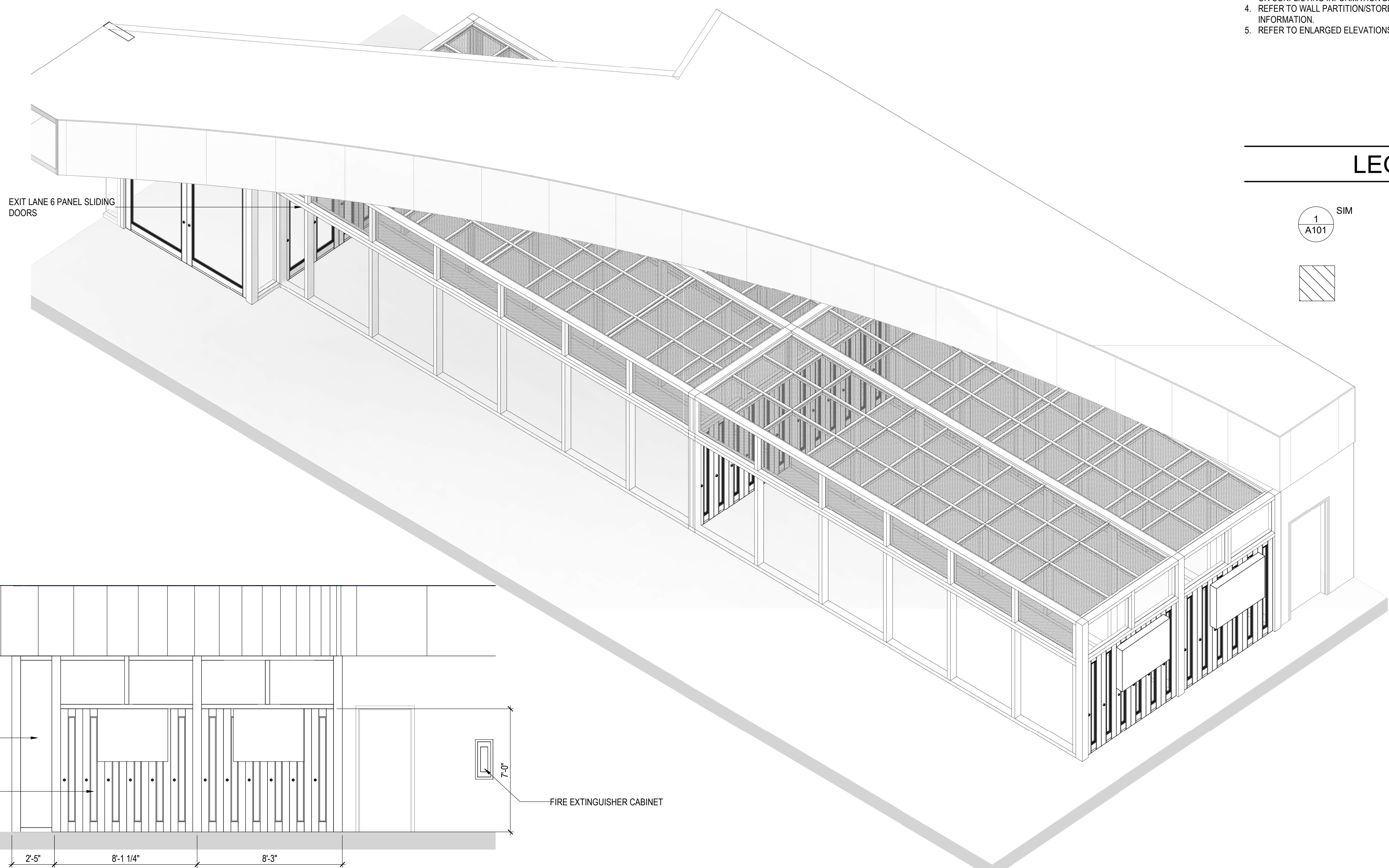
PROJECT LOCATION
 WILLIAM P. HOBBY
 AIRPORT
 7800 AIRPORT BLVD.
 HOUSTON, TX 77061

PROJECT NUMBER
 1004345

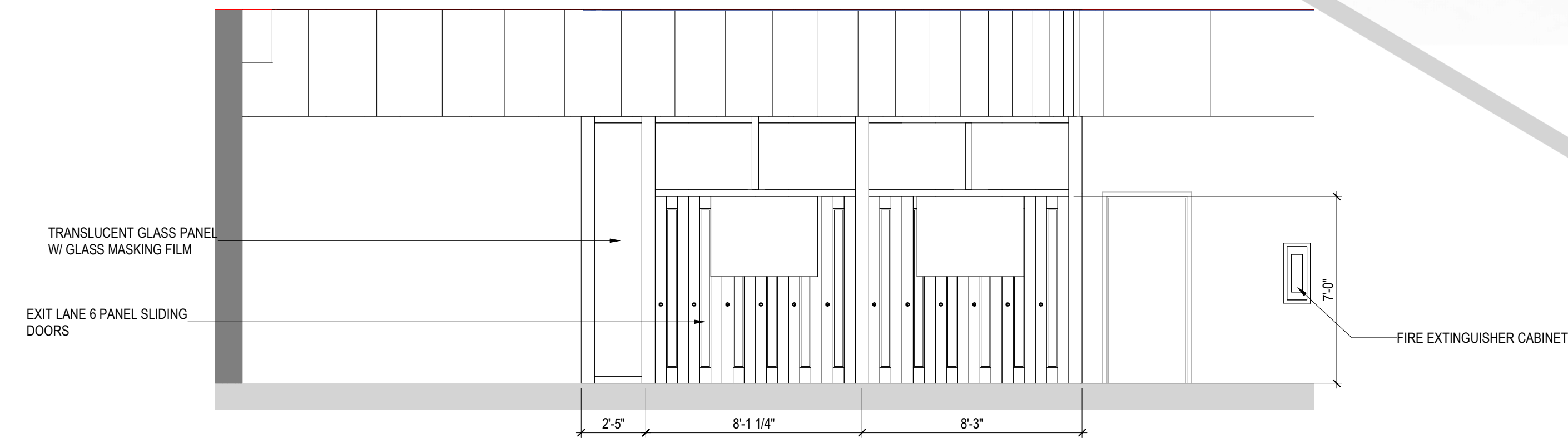
SHEET TITLE
 ENLARGED
 ELEVATIONS & AXO
 - TERMINAL

SHEET NUMBER

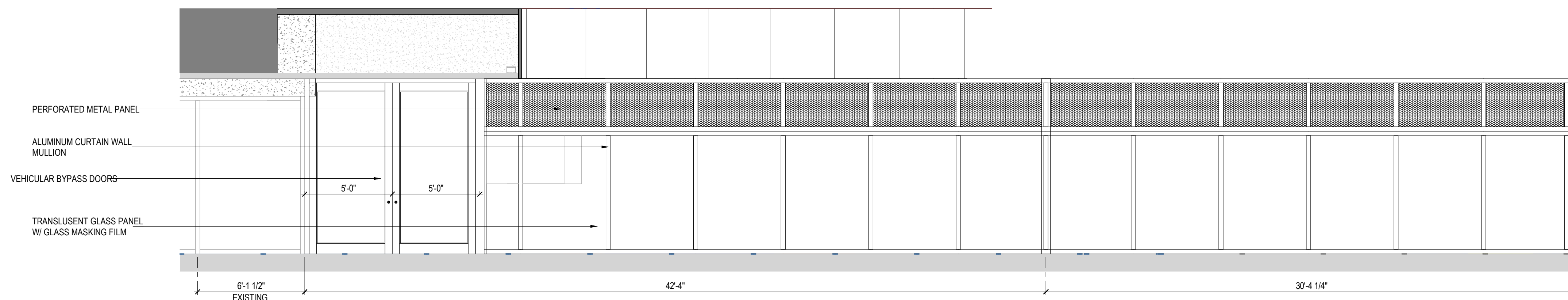
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INTERIOR ELEVATION 03 1/4" = 1'-0" **11**

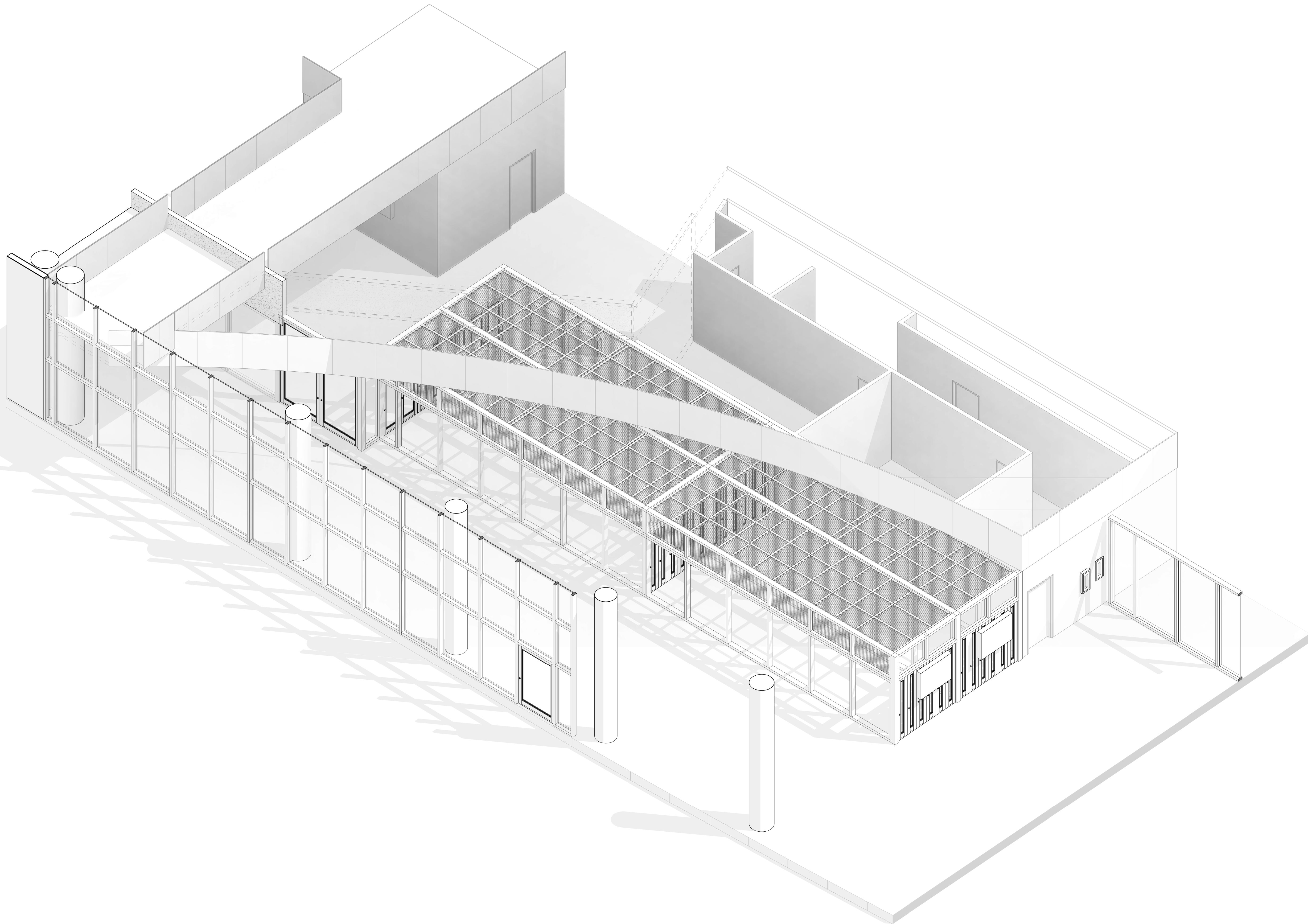


INTERIOR ELEVATION 02 1/4" = 1'-0" **9**



INTERIOR ELEVATION 01 1/4" = 1'-0" **7**

INTERIOR AXO **1**



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 [T] 281 233 1757
 [F] 281 233 1800

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 3131 BRIARPARK DR.
 SUITE 200
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DRAWING HISTORY

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PROJECT NAME
 HOU-TERMINAL
 - SECURITY
 EXIT LANE

PROJECT LOCATION
 WILLIAM P. HOBBY
 AIRPORT
 7800 AIRPORT BLVD.
 HOUSTON, TX 77061

PROJECT NUMBER
 1004345

SHEET TITLE
 ENLARGED AXO -
 TERMINAL

SHEET NUMBER

A500

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KEYNOTES

- A EXISTING CEILING MOUNTED SIGN TO BE REPLACED, PATCH/REPAIR AS REQUIRED.
- B EXISTING SIGN TO REMAIN, UNLESS NOTED OTHERWISE

GENERAL NOTES

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LEGEND

- EXISTING SIGNAGE TO REMAIN
- EXISTING TO BE REPLACED
- KEYNOTE SIGNAGE TAG

IMAGE	MARK	NOTES
Side A 	01	A
Side A 	02	B
Side B 		
Side A 	03A	B
Side B 	03B	B
Side A 	04	B
Side A 	05	A
Side A 	06	A



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 16930 JOHN F.
 KENNEDY BLVD.
 HOUSTON TX 77032
 [T] 281 233 1757
 [F] 281 233 1800



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 SUITE 200
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 [T] 713 622 1444
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PROJECT LOCATION
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 AIRPORT
 7800 AIRPORT BLVD.
 HOUSTON, TX 77061

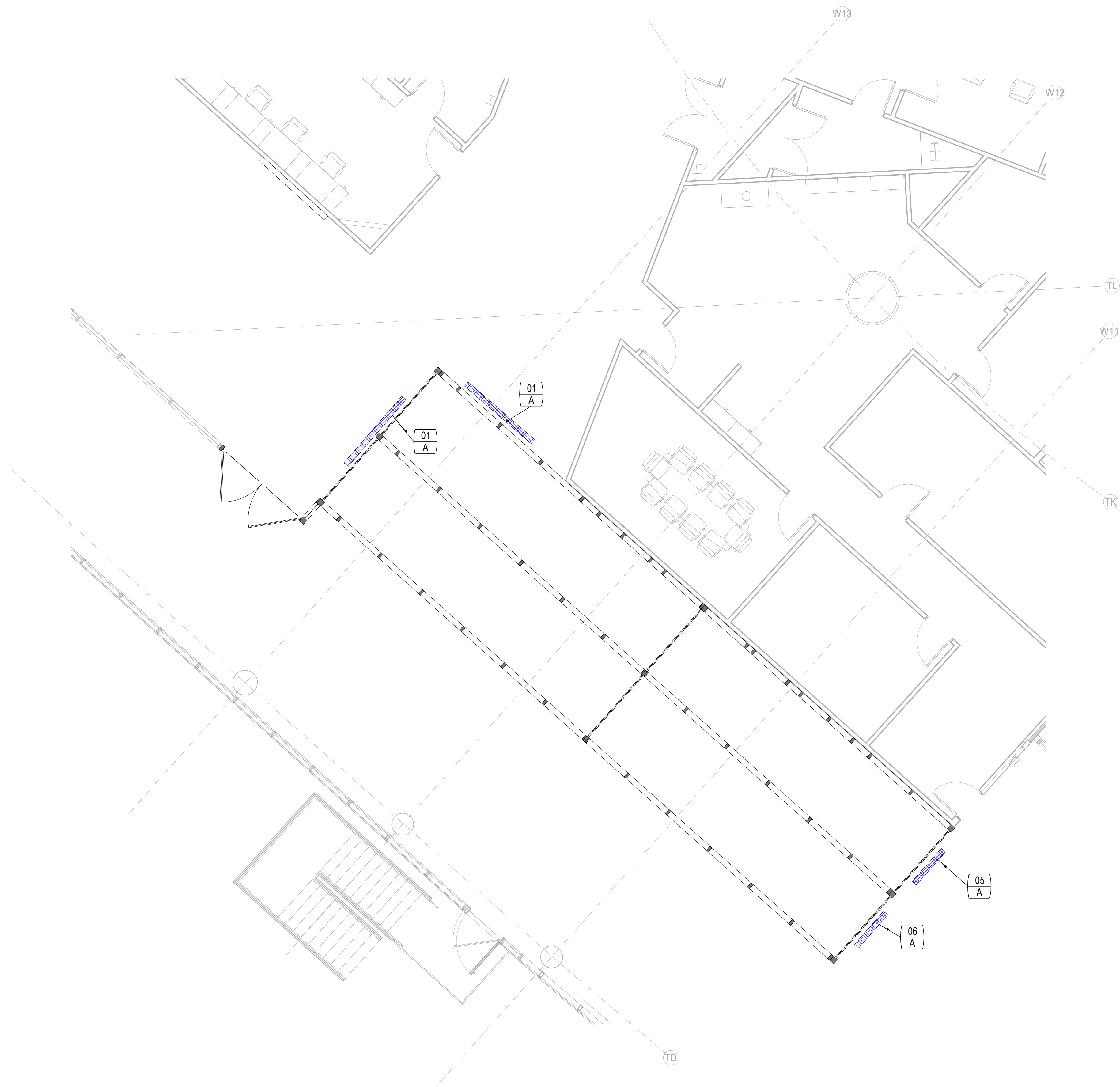
PROJECT NUMBER
 1004345

SHEET TITLE
 HOU TERMINAL
 SIGNAGE DEMO
 PLAN

SHEET NUMBER

ADG200

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KEYNOTES

A NEW SIGNAGE

GENERAL NOTES

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LEGEND

- NEW SIGNAGE
- MARK - KEYNOTE SIGNAGE TAG

IMAGE	MARK	NOTES
Side A 	01 A	A
Side A 	05 A	A
Side A 	06 A	A



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 16930 JOHN F. KENNEDY BLVD.
 HOUSTON TX 77032
 [T] 281 233 1757
 [F] 281 233 1800

ARCHITECT



PGAL
 3131 BRIARPARK DR.
 SUITE 200
 HOUSTON, TX 77042
 [T] 713 622 1444
 [F] 713 968 9333
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DRAWING HISTORY

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PROJECT NAME
 HOU-TERMINAL
 - SECURITY
 EXIT LANE

PROJECT LOCATION
 WILLIAM P. HOBBY
 AIRPORT
 7800 AIRPORT BLVD.
 HOUSTON, TX 77061

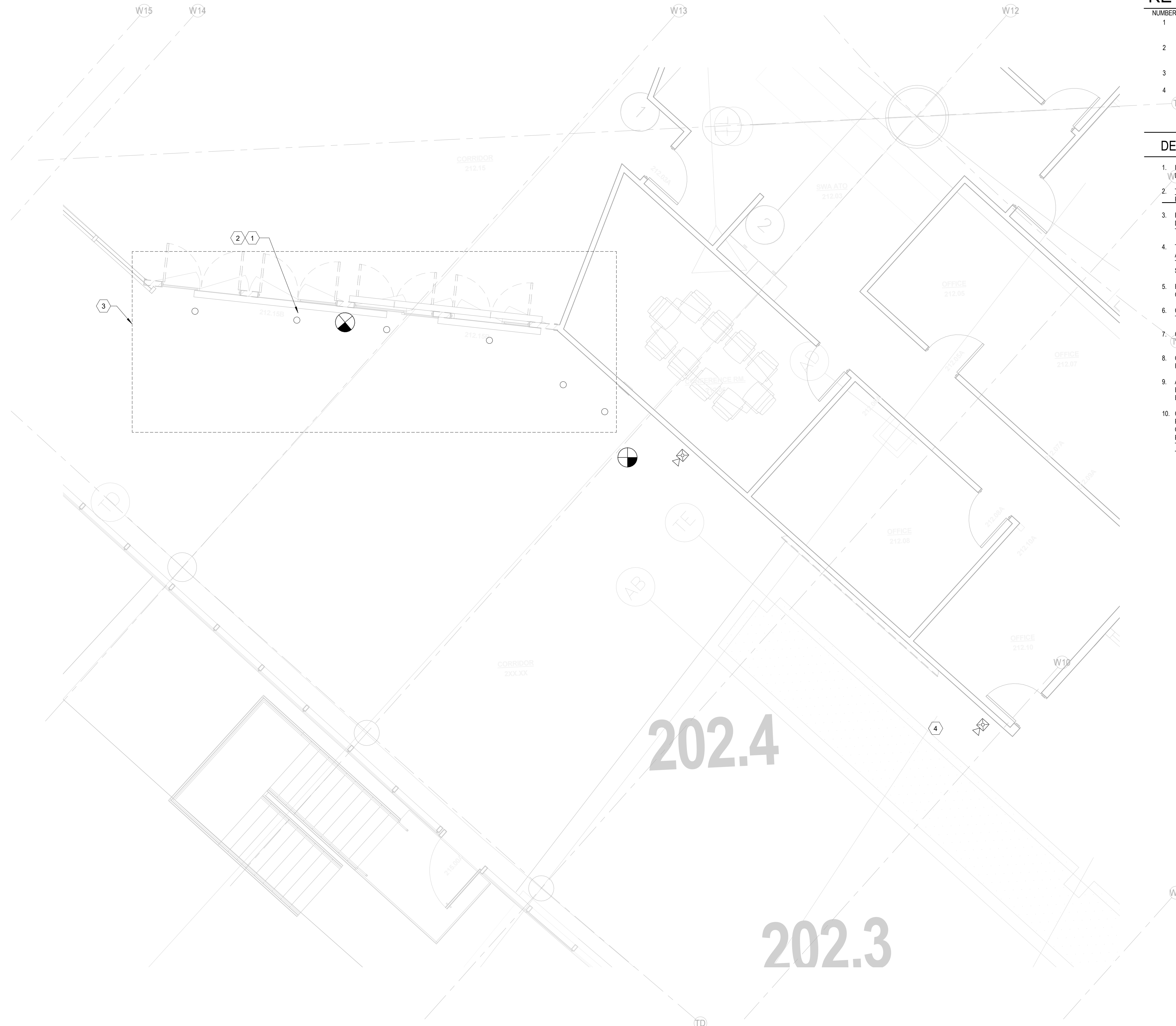
PROJECT NUMBER
 1004345

SHEET TITLE
 HOU TERMINAL
 SIGNAGE PLAN

SHEET NUMBER

AG200

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 DATE/TIME: 8/9/2021 6:39:10 PM



KEYNOTES

NUMBER	NOTES
1	CONTRACTOR SHALL TAG AND TRACE EXISTING CIRCUIT SERVING DOWNLIGHTS PRIOR TO REMOVAL. CIRCUIT SHALL BE UTILIZED FOR THE PROPOSED 2X2 LIGHTS ON THE NEW WORK PLANS.
2	REMOVE AND PATCH EXISTING DOWNLIGHTS THAT ARE CURRENTLY INSTALLED IN THE EXISTING SOFFIT. TYPICAL FOR ALL DOWNLIGHTS INSTALLED OVER PROPOSED ARE OF EXIT LANE STRUCTURE HOUSING.
3	REFER TO SITE DETAIL (EXISTING EXIT SOFFIT DETAIL) FOR ALL ITEMS SHOWN FOR REMOVAL OR RELOCATION.
4	CONTRACTOR SHALL REMOVE ALL EXISTING DEVICES SHOWN ON THE PROPOSED LAYOUT UNLESS OTHERWISE NOTED. ALL ASSOCIATED WIRING/CABLING SHALL BE REMOVED BACK TO THE SOURCE.

DEMOLITION NOTES

- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND LEGALLY DISPOSE OF DEMOLISHED MATERIALS.
- THE OWNER RESERVES THE RIGHT TO INSPECT THE MATERIAL SCHEDULED FOR REMOVAL AND SALVAGE ANY ITEMS DEEMED USEABLE AS SPARE PARTS.
- EXISTING CONDITIONS INDICATED ON THIS DRAWING ARE TAKEN FROM EXISTING DOCUMENTS AND FIELD INVESTIGATION. IT IS RECOMMENDED FOR CONTRACTOR TO VISIT SITE AND VERIFY EXISTING CONDITIONS PRIOR TO BID.
- THE CONTRACTOR SHALL INSURE THAT CONDUITS REMAINING WITHIN THE PROJECT AREA ARE SUPPORTED IN ACCORDANCE WITH THE SPECIFICATIONS. CONDUITS THAT ARE ATTACHED TO ITEMS BEING REMOVED DURING DEMOLITION SHALL BE SUPPORTED FROM THE STRUCTURE PRIOR TO REMOVING ITEM.
- EXISTING PANEL DIRECTORIES SHALL BE UPDATED TO REFLECT CURRENT CONDITIONS.
- CONTRACTOR SHALL PATCH, PAINT AND MATCH FINISH WITH EXISTING SURFACES TO REMAIN WHERE ELECTRICAL DEVICES ARE BEING REMOVED.
- CONTRACTOR SHALL REVIEW NEW FLOOR PLANS FOR DEVICES TO REMAIN PRIOR TO DEMOLITION. EXISTING DEVICES TO REMAIN ARE SHOWN LIGHT IN COLOR.
- CONTRACTOR SHALL REVIEW NEW FLOOR PLANS FOR CIRCUITS TO REMAIN AND BE REUSED FOR NEW DEVICES PRIOR TO DEMOLITION.
- ALL CONDUCTORS AND THAT ARE NOT BEING USED, SHALL BE DISCONNECTED BACK TO THE POWER SOURCE. REMOVE ALL CONDUIT AND CONDUCTORS TO THE EXISTING PANEL.
- CONTRACTOR SHALL REMOVE AND DISCONNECT ALL EXISTING ITEMS SHOWN ON PLANS. PATCH, PAINT AND REMOVE CONDUCTORS BACK TO SOURCE (UNLESS NOTED OTHERWISE) FOR ALL EXISTING DEVICES SHOWN TO BE REMOVED. FIELD VERIFY PROPOSED WORK AREA FOR ANY ADDITIONAL DEVICES (SPEAKER, SENSORS, ETC.) THAT ARE CURRENTLY INSTALLED THAT WILL NEED TO BE REMOVED OR RELOCATED THAT WILL BE IN CONFLICT WITH THE EXIT LANE STRUCTRE.

CLIENT



HAS AVIATION DEPT.
 16930 JOHN F.
 KENNEDY BLVD.
 HOUSTON TX 77032
 [T] 281 233 1757
 [F] 281 233 1800

ARCHITECT



PGAL
 3131 BRIARPARK DR.
 SUITE 200
 HOUSTON, TX 77042
 [T] 713 622 1444
 [F] 713 968 9333
 www.pgal.com

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DRAWING HISTORY

NO.	DATE	DESCRIPTION
1	09-09-21	FOR INFORMATION AND REFERENCE ONLY

PROJECT NAME

HOU-TERMINAL
 - SECURITY
 EXIT LANE

PROJECT LOCATION

WILLIAM HOBBY
 HOU
 7800 AIRPORT BLVD.
 HOUSTON, TX 77061

PROJECT NUMBER

1004345

SHEET TITLE

DEMOLITION PLAN -
 TERMINAL -
 ELECTRICAL

SHEET NUMBER

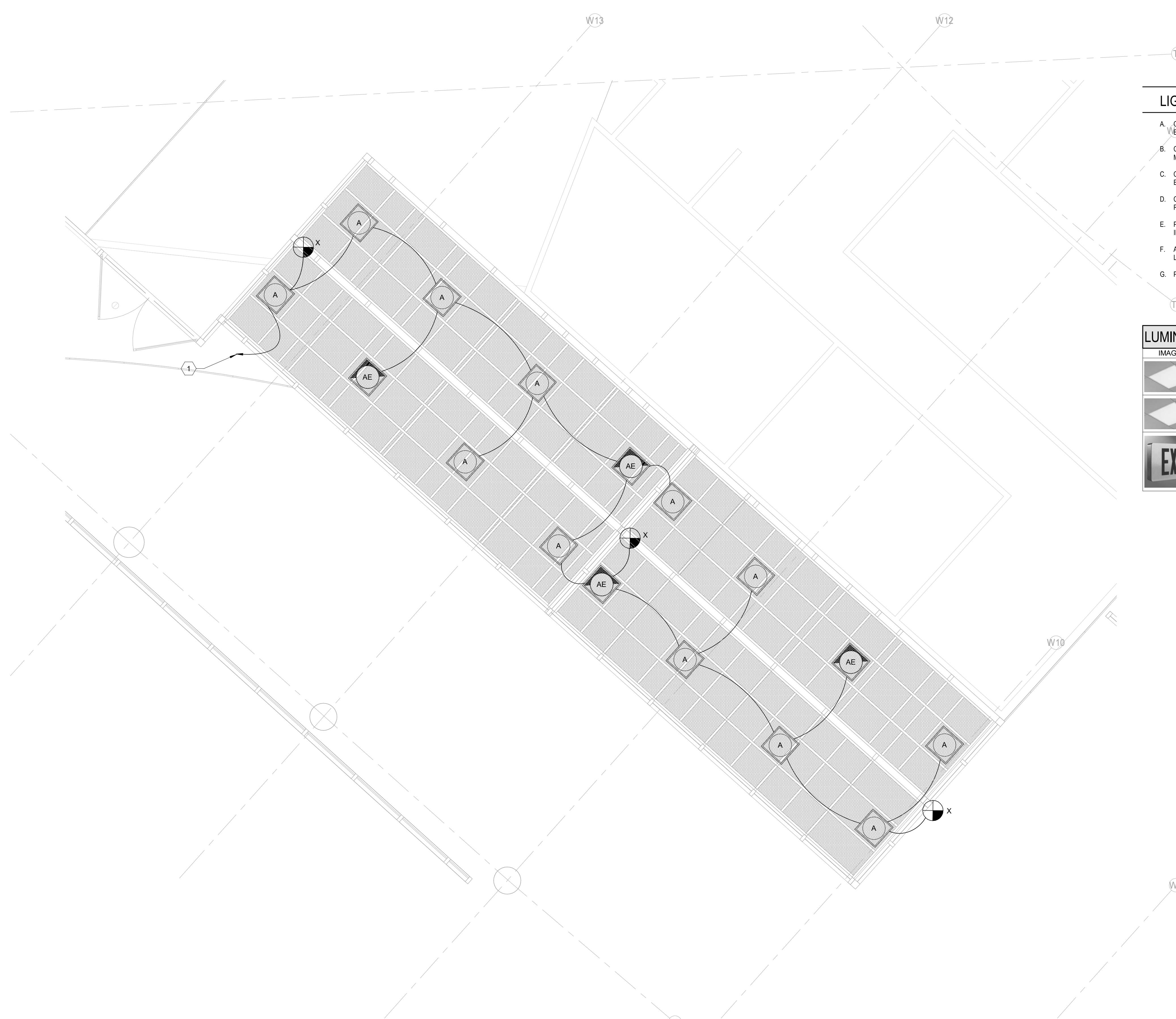
E201

VOLT AIR
 CONSULTING ENGINEERS

5555 West Alabama Suite 205
 Houston, TX 77056 Phone: 832.271.6181
 Texas Firm: F-14583 Project No.: 0218027

LEVEL 02 - TICKETING - DEMOLITION PLAN - TERMINAL - POWER 1/4" = 1'-0" 1

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KEYNOTES

NUMBER	NOTES
1	CONTRACTOR SHALL INSTALL AND CONNECT NEW 2X2 LIGHTS TO EXISTING LIGHTING CIRCUIT(ZH1-19) SERVING THE EXISTING DOWNLIGHTS THAT WERE REMOVED DURING CONSTRUCTION.

LIGHTING NOTES

- A. CONTRACTOR SHALL REFER TO FIXTURES SCHEDULE AND SPECIFICATIONS FOR EXACT LIGHTING REQUIREMENTS.
- B. CONTRACTOR IS RESPONSIBLE FOR INSTALLING SWITCH CONDUCTORS WHERE MULTIPLE SWITCHES ARE SHOWN. PROVIDE NEUTRALS FOR ALL SWITCHES SHOWN.
- C. COORDINATE THE INSTALLATION OF ALL LIGHT FIXTURES WITH HVAC AND EQUIPMENT CURRENTLY SHOWN TO BE INSTALLED IN AND ABOVE CEILING.
- D. CONTRACTOR SHALL PROPERLY INSTALL FIXTURES PER MANUFACTURERS RECOMMENDATION AND CONSTRUCTION DRAWINGS.
- E. PROVIDE ALL MOUNTING ACCESSORIES AND EQUIPMENT REQUIRED FOR PROPER INSTALLATION.
- F. APPROVED LIGHTING MANUFACTURER SHALL PROVIDE PHOTOMETRIC LIGHTING LAYOUT PRIOR TO ORDERING ANY MATERIALS.
- G. PULL UNSWITCHED CONDUCTOR(HOT) TO ALL EXIT AND EMERGENCY LIGHTS.

LUMINAIRE SCHEDULE

IMAGE	TYPE	DESCRIPTION	MANUFACTURER	LAMP TYPE
	A	LED 2x2 FLAT PANEL TROFFER	METALUX FP 22 PHILIPS	LED 4000 Lm
	AE	LED 2x2 FLAT PANEL TROFFER. PROVIDE WITH 90 MINUTE BATTERY PACK	METALUX FP 22 PHILIPS	LED 4000 Lm
	X	LED EXIT SIGN WITH RED LETTERING AND ALUMINUM HOUSING. PROVIDE WITH 90 MINUTE BATTERY PACK	METALUX SURE LITE	LED

LEVEL 02 - TICKETING - FLOOR PLAN - TERMINAL - LIGHTING 1/4" = 1'-0" 1

VOLT AIR
CONSULTING ENGINEERS

5555 West Alabama Suite 205
 Houston, TX 77056 Phone: 352.571.6181
 Texas Firm: F-14583 Project No.: 0218027

CLIENT



HAS AVIATION DEPT.
 16930 JOHN F.
 KENNEDY BLVD.
 HOUSTON TX 77032
 [T] 281 233 1757
 [F] 281 233 1800

ARCHITECT



PGAL
 3131 BRIARPARK DR.
 SUITE 200
 HOUSTON, TX 77042
 [T] 713 622 1444
 [F] 713 968 9333
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PROJECT NAME

HOU-TERMINAL
 - SECURITY
 EXIT LANE

PROJECT LOCATION

WILLIAM HOBBY
 HOU
 7800 AIRPORT BLVD.
 HOUSTON, TX 77061

PROJECT NUMBER

1004345

SHEET TITLE

LEVEL 02 -
 TICKETING - FLOOR
 PLAN - TERMINAL -
 LIGHTING

SHEET NUMBER

E301

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KEYNOTES

NUMBER	NOTES
1	UTILIZE THREE(3) EXISTING SPARE BREAKERS IN EXISTING PANEL. ROUTE CONDUIT AND CONDUCTORS TO PROPOSED LOADS ON SECOND LEVELS. UPDATE PANEL SCHEDULE AND LABEL CONDUITS ACCORDING TO SPECIFICATIONS.
2	COORDINATE EXACT PLUG TYPE WITH EQUIPMENT SUBMITTAL TO CONFIRM PLUG REQUIRED PRIOR TO ROUGH-IN.

POWER NOTES

- A. COORDINATE WITH ARCHITECTURAL ELEVATIONS AND TELECOMM DRAWINGS PRIOR TO ROUGH-IN OF ANY OUTLET DEVICES.
- B. PROVIDE ADHESIVE LABELS FOR ALL RECEPTACLE OUTLETS SHOWN ON PLANS.
- C. REFER TO TELECOMM (T-SERIES) DRAWINGS FOR EXACT LOCATIONS OF ALL BACKBONE/COMMUNICATION CONDUITS AND GROUNDBARS.
- D. UPS AND BATTERY CABINET SHALL BE OWNER FURNISHED AND INSTALLED BY CONTRACTOR. COORDINATE WITH PROJECT MANAGER FOR EXACT REQUIREMENTS AND INSTALLATION DETAILS.
- E. COORDINATE EXACT RECEPTACLE TYPE WITH OWNER PRIOR TO COMMENCEMENT OF WORK. IF L6-20P ARE REQUESTED FROM OWNER, CONTRACTOR SHALL PROVIDE PLUG ADAPTER TO CONVERT TWIST-LOCK DEVICE TO A STRAIGHT PLUG. BASIS OF DESIGN REFLECTS THE PROVISION OF L5-30P DUPLEX RECEPTACLES.
- F. PROVIDE JUNCTION BOX AND/OR HOUSINGS FOR ALL SURFACE MOUNTED RECEPTACLES.
- G. ALL WALL PENETRATIONS SHALL BE SEALED WITH UL LISTED FIRE RATED CAULKING MATERIAL.
- H. ANY FIRE ALARM DEVICES SHOWN ON ELECTRICAL DRAWINGS ARE SHOWN FOR BIDDING PURPOSES ONLY AND NOT FOR CONSTRUCTION OR INSTALLATION. THE FIRE ALARM CONTRACTOR SHALL MODIFY THE FIRE ALARM SYSTEM TO PROVIDE FULL COVERAGE OF THE PROJECT AREA IN ACCORDANCE WITH NFPA-72 AND ALL CITY, STATE, NATIONAL CODES AND STANDARDS, AND THE AUTHORITY HAVING LOCAL JURISDICTION. THE FIRE ALARM CONTRACTOR SHALL EXTEND THE EXISTING FIRE ALARM SYSTEM TO THE NEW SPACE. NEW DEVICES SHALL MATCH EXISTING FIRE ALARM SYSTEM DESIGN. TEXAS STATE FIRE MARSHALL FIRE ALARM PLANNING SUPERINTENDENT AND/OR NICET III CONTRACTOR MUST SUBMIT SHOP DRAWINGS FOR THE INSTALLATION OF THE FIRE ALARM SYSTEM TO THE AHJ FOR APPROVAL. INSTALLATION AND PROVIDE AN APPROVED COPY TO THE OWNER FOR RECORDS.



HAS AVIATION DEPT.
 16930 JOHN F. KENNEDY BLVD.
 HOUSTON TX 77032
 [T] 281 233 1757
 [F] 281 233 1800

ARCHITECT



PGAL
 3131 BRIARPARK DR.
 SUITE 200
 HOUSTON, TX 77042
 [T] 713 622 1444
 [F] 713 968 9333
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DRAWING HISTORY

NO.	DATE	DESCRIPTION
1	09-09-21	FOR INFORMATION AND REFERENCE ONLY

PROJECT NAME
HOU-TERMINAL - SECURITY EXIT LANE

PROJECT LOCATION
 WILLIAM HOBBY
 HOU
 7800 AIRPORT BLVD.
 HOUSTON, TX 77061

PROJECT NUMBER
 1004345

SHEET TITLE
 LEVEL 01 -
 BAGGAGE CLAIM -
 FLOOR PLAN -
 TERMINAL - POWER

SHEET NUMBER

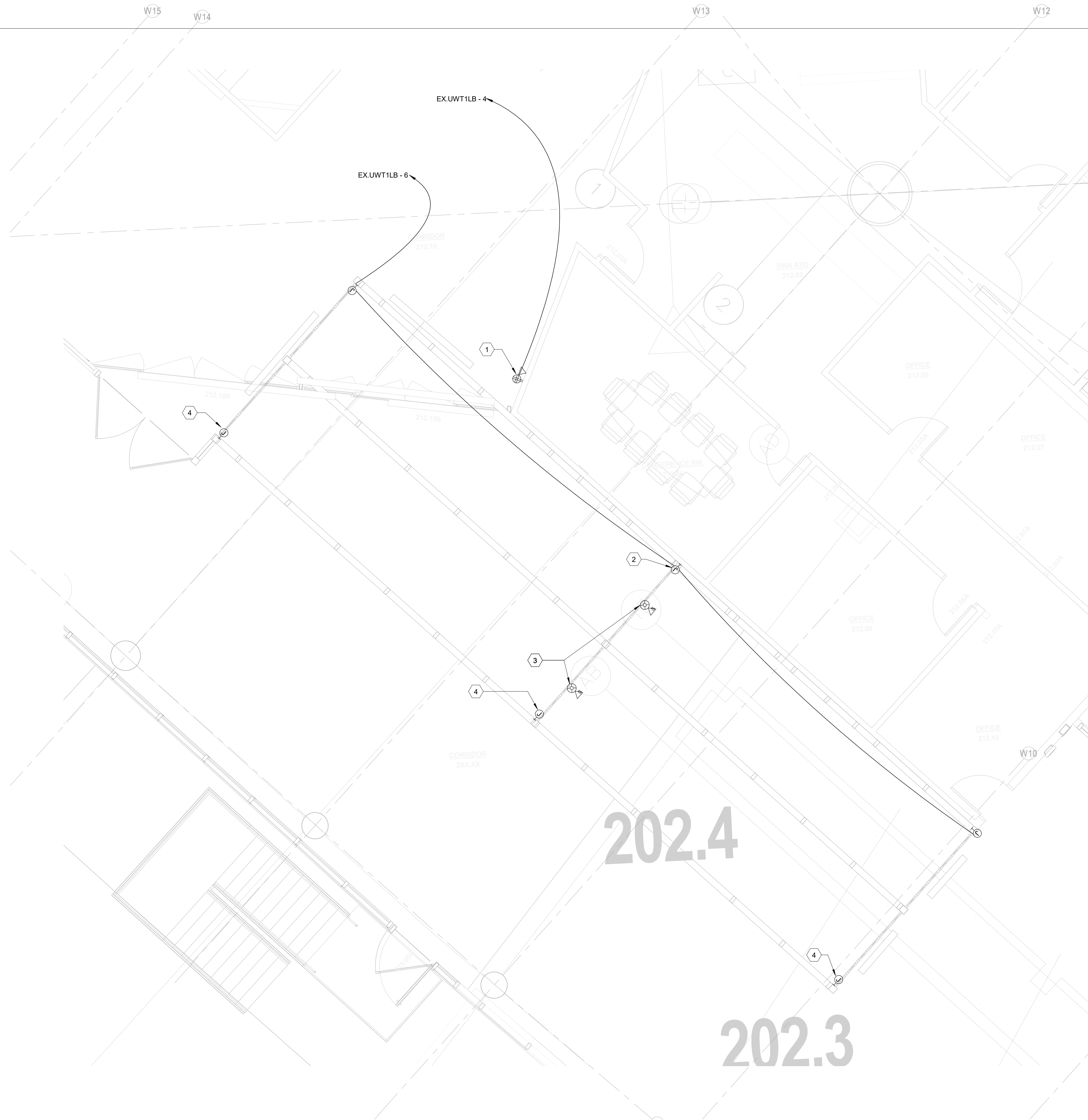
E401

LEVEL 01 - BAGGAGE CLAIM - FLOOR PLAN - TERMINAL - POWER 1/8" = 1'-0" 1

VOLT AIR
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5555 West Alabama Suite 205
 Houston, TX 77056 Phone: 281.237.6181
 Texas Firm: P-14583 Project No. 0218027

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KEYNOTES ?

- | NUMBER | NOTES |
|--------|---|
| 1 | PROVIDE POWER AND DATA FOR TERMINAL LANE WORKSTATION. CONTRACTOR TO FIELD VERIFY EXACT LOCATION OF WORKSTATION WITH OWNER PRIOR TO COMMENCEMENT OF WORK. |
| 2 | PROVIDE 120V POWER FOR DOOR MOTOR AND CONTROLS. VERIFY WITH MANUFACTURERS DOCUMENTATION FOR PROPER INSTALLATION AND ROUTING OF CONCEALED CONDUIT. ADDITIONAL CIRCUIT MAY BE REQUIRED PER DOOR MANUFACTURER. FINAL VERIFICATION WILL OCCUR DURING SUBMITTAL PROCESS. ROUTE #10'S IN 1" CONDUIT FROM PANEL TO CLOSEST JUNCTION BOX LOCATION AT THE EXIT LANE HOUSING. |
| 3 | CONNECT ALL NEW FIRE ALARM DEVICES TO NEAREST FIRE ALARM JUNCTION BOX TO ENSURE CONNECTION TO F.A.C.P. LOCATED ON THE FIRST LEVEL. NEAR THE SOUTHWEST ADMIN OFFICE. |
| 4 | PROVIDE ADDITIONAL JUNCTION BOXES WHERE REQUIRED FOR MOTOR CONNECTIONS. UTILIZE ADDITIONAL SPARE BRAKERS FOR POWER CONNECTIONS. PROVIDE CONDUIT AND FEEDERS ROUTED TO EXISTING PANEL "UWT1LB". |

POWER NOTES

- A. COORDINATE WITH ARCHITECTURAL ELEVATIONS AND TELECOMM DRAWINGS PRIOR TO ROUGH-IN OF ANY OUTLET DEVICES.
- B. PROVIDE ADHESIVE LABELS FOR ALL RECEPTACLE OUTLETS SHOWN ON PLANS.
- C. REFER TO TELECOMM (T-SERIES) DRAWINGS FOR EXACT LOCATIONS OF ALL BACKBONE/COMMUNICATION CONDUITS AND GROUNDBARS.
- D. UPS AND BATTERY CABINET SHALL BE OWNER FURNISHED AND INSTALLED BY CONTRACTOR. COORDINATE WITH PROJECT MANAGER FOR EXACT REQUIREMENTS AND INSTALLATION DETAILS.
- E. COORDINATE EXACT RECEPTACLE TYPE WITH OWNER PRIOR TO COMMENCEMENT OF WORK. IF L5-20P ARE REQUESTED FROM OWNER, CONTRACTOR SHALL PROVIDE PLUG ADAPTER TO CONVERT TWIST-LOCK DEVICE TO A STRAIGHT PLUG. BASIS OF DESIGN REFLECTS THE PROVISION OF L5-30P DUPLEX RECEPTACLES.
- F. PROVIDE JUNCTION BOX AND OR HOUSINGS FOR ALL SURFACE MOUNTED RECEPTACLES.
- G. ALL WALL PENETRATIONS SHALL BE SEALED WITH UL LISTED FIRE RATED CAULKING MATERIAL.
- H. ANY FIRE ALARM DEVICES SHOWN ON ELECTRICAL DRAWINGS ARE SHOWN FOR BIDDING PURPOSES ONLY AND NOT FOR CONSTRUCTION OR INSTALLATION. THE FIRE ALARM CONTRACTOR SHALL MODIFY THE FIRE ALARM SYSTEM TO PROVIDE FULL COVERAGE OF THE PROJECT AREA IN ACCORDANCE WITH NFPA-72 AND ALL CITY, STATE, NATIONAL CODES AND STANDARDS, AND THE AUTHORITY HAVING LOCAL JURISDICTION. THE FIRE ALARM CONTRACTOR SHALL EXTEND THE EXISTING FIRE ALARM SYSTEM TO THE NEW SPACE. NEW DEVICES SHALL MATCH EXISTING FIRE ALARM SYSTEM DESIGN. TEXAS STATE FIRE MARSHALL FIRE ALARM PLANNING SUPERINTENDENT AND/OR NICET III CONTRACTOR MUST SUBMIT SHOP DRAWINGS FOR THE INSTALLATION OF THE FIRE ALARM SYSTEM TO THE AHJ FOR APPROVAL, INSTALLATION AND PROVIDE AN APPROVED COPY TO THE OWNER FOR RECORDS.



HAS AVIATION DEPT.
 16930 JOHN F. KENNEDY BLVD.
 HOUSTON TX 77032
 [T] 281 233 1757
 [F] 281 233 1800



PGAL
 3131 BRIARPARK DR.
 SUITE 200
 HOUSTON, TX 77042
 [T] 713 622 1444
 [F] 713 968 9333
 www.pgal.com

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DRAWING HISTORY

NO.	DATE	DESCRIPTION
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PROJECT NAME
HOU-TERMINAL - SECURITY EXIT LANE

PROJECT LOCATION
 WILLIAM HOBBY
 HOU
 7800 AIRPORT BLVD.
 HOUSTON, TX 77061

PROJECT NUMBER
 1004345

SHEET TITLE
 LEVEL 02 - TICKETING - FLOOR PLAN - TERMINAL - POWER

SHEET NUMBER
E402

VOLT AIR
 CONSULTING ENGINEERS
 5555 West Alabama Suite 205
 Houston, TX 77056 Phone: 281.237.6181
 Texas Firm: P-14583 Project No. 0218027

LEVEL 02 - TICKETING - FLOOR PLAN - TERMINAL - POWER 1/4" = 1'-0" 1

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Branch Panel: EX. 2HLB

Location: Volts: 480/277 Wye
Supply From: Phases: 3
Mounting: Surface Wires: 4
Enclosure: Type 1

A.I.C. Rating: Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

Notes:
ALL WIRE SIZES SHALL BE 12 AWG, UNLESS OTHERWISE NOTED.

Note	Ckt	Circuit Description	Wire Size	Trip (A)	Pole	A	B	C	Pole	Trip (A)	Wire Size	Circuit Description	Ckt	Note
1	1	Ex. Lighting	20	1	680	680			1	20		Ex. Lighting	2	1
1	3	Ex. Lighting	20	1		750	560		1	20		Ex. Lighting	4	1
1	5	Ex. Lighting	20	1				560	890	1	20	Ex. Lighting	6	1
2	7	Lighting	20	1	1280								8	
	9												10	
	11												12	
	13												14	
	15												16	
	17												18	
	19												20	
						Total Load	2606.8 VA	1310 VA	1450 VA					
						Total Amps	9 A	5 A	5 A					

Legend:
Load Classification Connected Load Demand Factor Estimated Demand Panel Totals
Lighting 1280 VA 125.00% 1600 VA
Spare 4120 VA 100.00% 4120 VA
Total Conn. Load: 5351 VA
Total Est. Demand: 5662 VA
Total Conn.: 6 A
Total Est. Demand: 7 A

Notes:
1. EXISTING BREAKER TO REMAIN.
2. INTERCEPT EXISTING CIRCUIT TO SERVE NEW LIGHT FIXTURES.

Branch Panel: EX.UWT1LB

Location: Volts: 120/208 Wye
Supply From: Phases: 3
Mounting: Surface Wires: 4
Enclosure: Type 1

A.I.C. Rating: Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

Notes:
ALL WIRE SIZES SHALL BE 12 AWG, UNLESS OTHERWISE NOTED.

Note	Ckt	Circuit Description	Wire Size	Trip (A)	Pole	A	B	C	Pole	Trip (A)	Wire Size	Circuit Description	Ckt	Note	
1	1	Comm. Cab	20	1	780	1200			1	20		Comm. Cab.	2	1	
1	3	Comm. Cab.	20	1		300	360		1	20	10	Receptacle (Surveillance Desk)	4	2	
5	Spare		20	1				400	540	1	20	10	Receptacle (Door Motors)	6	2
1	7	Receptacles	20	1	200	1080			1	20	10	Receptacle (Cabinet)	8	2	
1	9	Spare	20	1		60	200		2	30		Comm. Cab.	10	1	
1	11	Comm. Cab.	20	1				0	200	--	--		12		
1	13	Comm. Cab.	20	1	0	0			2	30		Comm. Cab.	14	1	
1	15	Spare	30	2		0	0		--	--			16		
17	--	--	--	--				0	0	2	30	Comm. Cab.	18	1	
3	19	Spare	20	1	0	0			--	--			20		
3	21	Spare	20	1		0	0		3	60		RPC Rack	22	1	
3	23	Spare (Door Motor)	20	1				0	0	--	--		24		
3	25	Spare (Door Motor)	20	1	0	0			--	--			26		
3	27	Spare (Door Motor)	20	1		0	0		3	60		RPC Rack	28	1	
29	Spare		20	2				0	0	--	--		30		
31	--	--	--	--	0	0			--	--			32		
33													34		
35													36		
37													38		
39													40		
41													42		
						Total Load	3260 VA	920 VA	1140 VA						
						Total Amps	27 A	8 A	10 A						

Legend:
Load Classification Connected Load Demand Factor Estimated Demand Panel Totals
Receptacle 1980 VA 100.00% 1980 VA
Spare 3340 VA 100.00% 3340 VA
Total Conn. Load: 5320 VA
Total Est. Demand: 5320 VA
Total Conn.: 15 A
Total Est. Demand: 15 A

Notes:
1. EXISTING BREAKER TO REMAIN.
2. REUSED EXISTING BREAKERS TO SERVE NEW PROPOSED EXIT LANE CIRCUITS.
3. UTILIZE EXISTING BREAKERS FOR ADDITIONAL DOOR MOTORS IF MANUFACTURER AMPERAGE EXCEEDS 6A MPS PER MOTOR.

- #### GENERAL NOTES
- CONTRACTOR IS REQUIRED TO COORDINATE ALL INSTALLATIONS IN EACH SPACE WITH OTHER TRADES. PROVIDE SHOP DRAWINGS AND LAYOUTS FOR EACH ELECTRICAL ROOM WITH PROPOSED CONDUIT ROUTES TO ALLEVIATE POTENTIAL CONFLICTS WITH MECHANICAL, PLUMBING AND TELECOMMUNICATIONS.
 - CONTRACTOR SHALL CONDUCT AMPERAGE READINGS FOR THE EXISTING SWITCHGEAR TO VERIFY AMPERAGES FOR EACH PHASE. READINGS SHALL BE RECORDED AND PROVIDED TO THE ENGINEER FOR REVIEW PRIOR TO COMMENCEMENT OF ANY ELECTRICAL INSTALLATIONS.
 - PROVIDE PROPER LABELING FOR ALL ELECTRICAL DEVICES. REFER TO SPECIFICATIONS AND DETAILS FOR LABEL TYPES AND REQUIREMENTS.
 - CONTRACTOR SHALL PROVIDE ALL NECESSARY MOUNTING EQUIPMENT AND ACCESSORIES REQUIRED FOR PROPER INSTALLATION OF ALL DEVICES TO BE INSTALLED.
 - CONTRACTOR SHALL PLACE A LAMINATED COPY OF THE LOAD CALCULATIONS ON THE BOTTOM INTERIOR BEZEL IN EACH PANEL. LOAD CALCULATIONS ARE LOCATED ON THE PANELBOARD SHEETS AT THE BOTTOM OF EACH PANEL SCHEDULE.
 - ALL CONDUITS SHALL BE LABELED WITH THE VOLTAGE AND CIRCUITS THAT ARE HOUSED WITHIN. REFER TO SPECIFICATIONS FOR EXACT REQUIREMENTS.

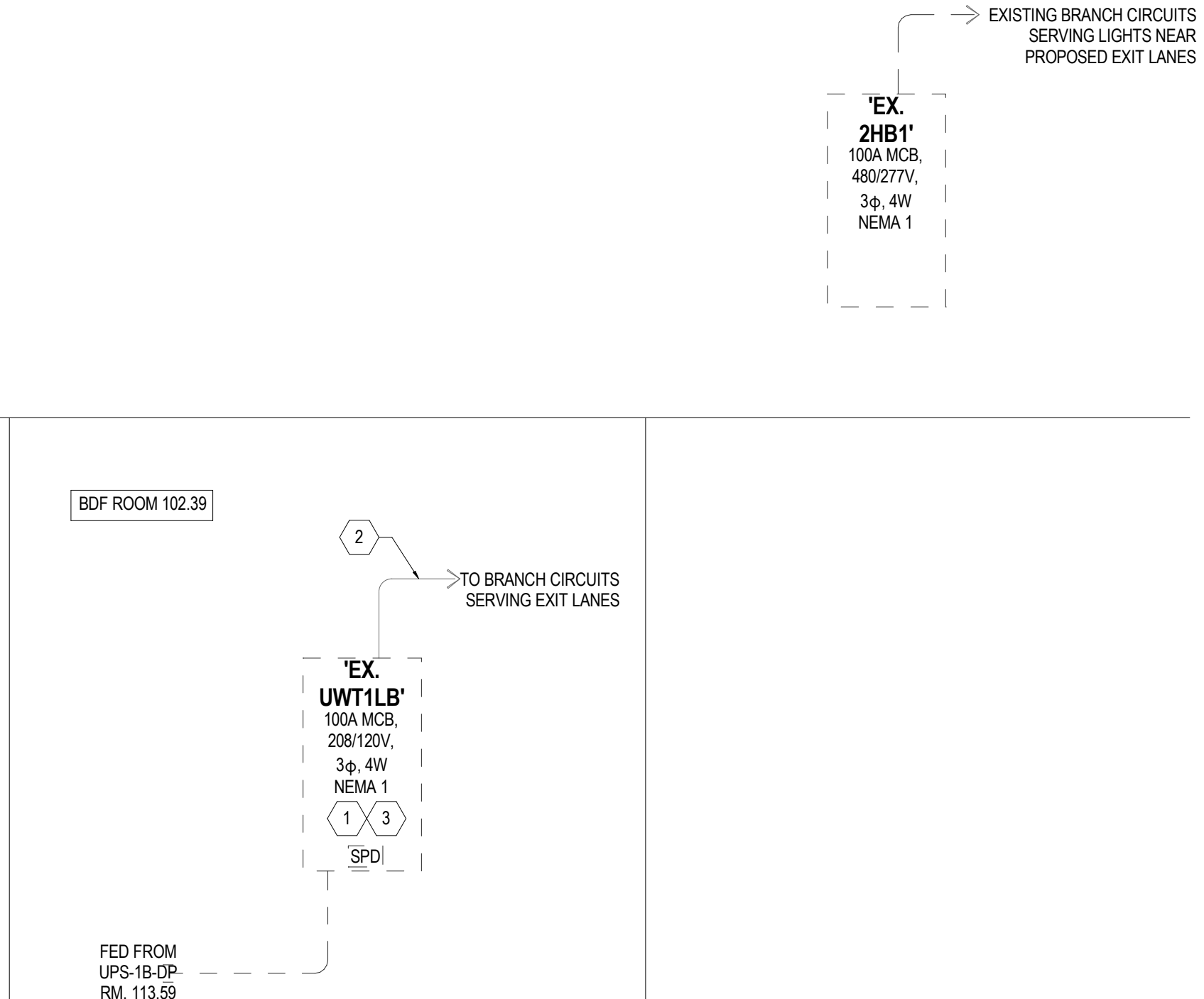
- #### KEYED NOTES
- PROVIDE NEW 20A/1P BREAKERS IN EXISTING PANEL TO SERVE THE EXIT LANE POWER LOADS. BREAKERS SHALL HAVE THE SAME A.I.C. RATING AS THE EXISTING BREAKERS CURRENTLY INSTALLED.
 - FIELD VERIFY AND COORDINATE EXACT ROUTING OF CONDUIT PRIOR TO COMMENCEMENT OF WORK. CONDUIT SHALL BE LABELED AND MOUNTED PER H.A.S SPECIFICATIONS.
 - CONTRACTOR SHALL UPDATE THE EXISTING PANELBOARD DIRECTORY PRIOR TO THE COMPLETION OF WORK TO INDICATE THE NEW DEVICE LOADS BEING SERVED FROM THE EXISTING PANE.

LEGEND

- NEW EQUIPMENT
- EXISTING EQUIPMENT TO REMAIN
- SPD SURGE PROTECTION DEVICE
- M ENERGY MONITORING DEVICE, SIEMENS PAC 3200, EMON-DMON OR APPROVED EQUAL

LOAD ANALYSIS

EXISTING MAX DEMAND LOAD = 3.34 KVA
NEW LOAD = 1.980 KVA
TOTAL LOAD ON PANEL = 5.320 KVA (15A)
NEW PROPOSED LOAD DOES NOT EXCEED 100A CAPACITY



ELECTRICAL POWER RISER DIAG VOLT AIR CONSULTING ENGINEERS

5555 West Alabama Suite 205
Houston, TX, 77056 Phone: 352.571.6181
Texas Firm: P-14583 Project No. 0218027

CLIENT
HOUSTON AIRPORTS
HAS AVIATION DEPT.
16930 JOHN F. KENNEDY BLVD.
HOUSTON TX 77032
[T] 281 233 1757
[F] 281 233 1800

ARCHITECT
PGAL
PGAL
3131 BRIARPARK DR.
SUITE 200
HOUSTON, TX 77042
[T] 713 622 1444
[F] 713 968 9333
www.pgal.com

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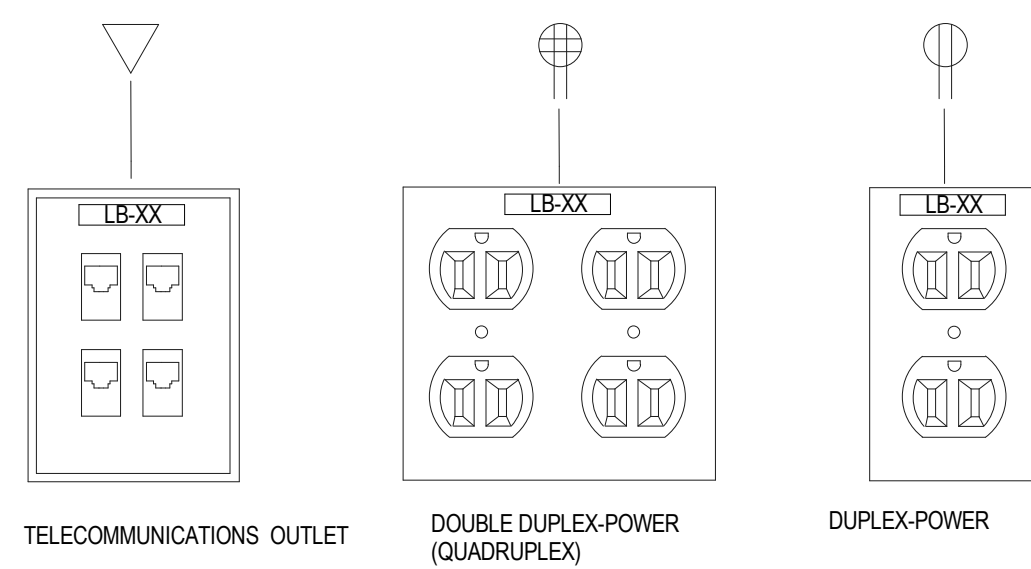
PROJECT NAME
HOU-TERMINAL - SECURITY EXIT LANE

PROJECT LOCATION
WILLIAM HOBBY HOU
7800 AIRPORT BLVD.
HOUSTON, TX 77061

PROJECT NUMBER
1004345

SHEET TITLE
RISER DIAGRAMS - ELECTRICAL

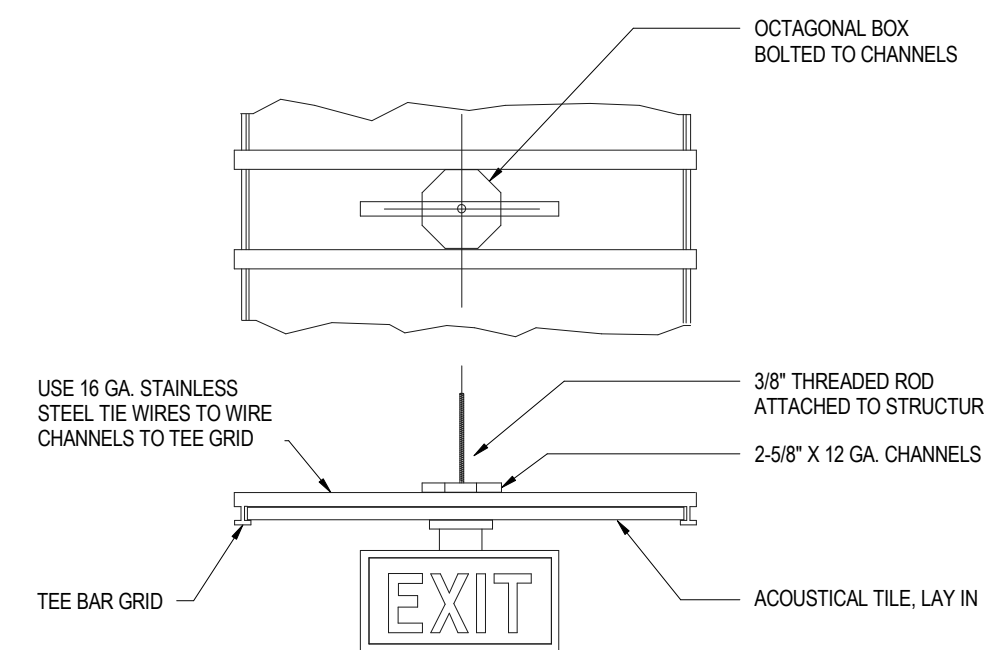
SHEET NUMBER
E601



DETAIL NOTES:

- CONTRACTOR SHALL PROVIDE ALL WALL PLATES (STAINLESS STEEL) DEVICE, CONDUCTORS, ETC. REQUIRED FOR PROPER INSTALLATION OF A FULLY FUNCTIONING SYSTEM.
- ALL OUTLET DEVICE WALL PLATES (LIGHTING, POWER, AND DATA) SHALL BE PROVIDED WITH LABELS INDICATING ELECTRICAL CIRCUIT (EX. LB-21/POWER & LIGHTING) AND DATA OUTLETS SHALL REFLECT SWITCH PANEL LOCATION (EX. LSL-77/DATA).
- PROVIDE WHITE LABELS WITH RED LETTERING FOR ALL RECEPTACLE DEVICES THAT ARE SERVED BY EMERGENCY POWER.
- INSTALL OUTLETS WITH GROUND NODE ON THE BOTTOM OF THE OUTLET.

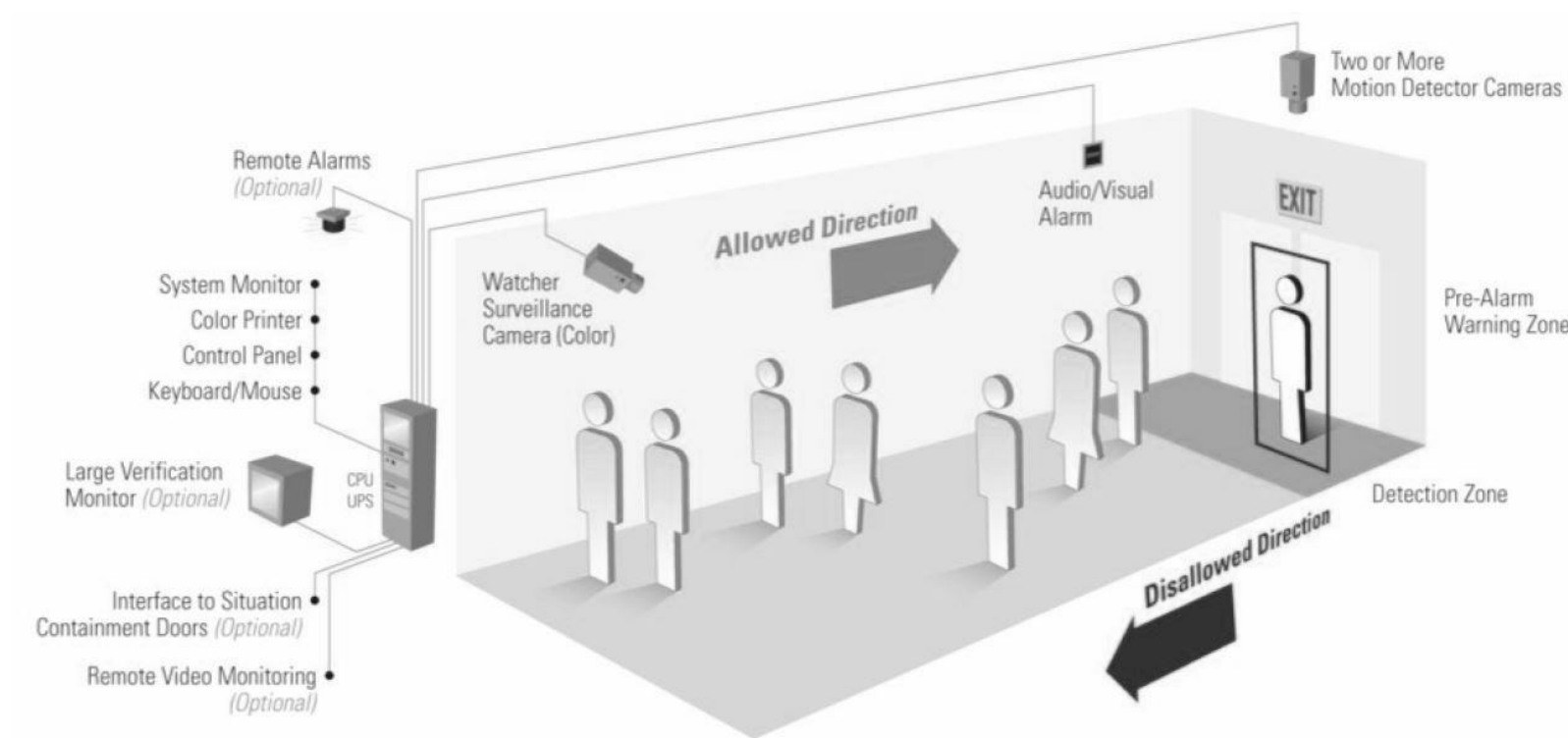
DEVICE OUTLET DEVICE DETAIL F



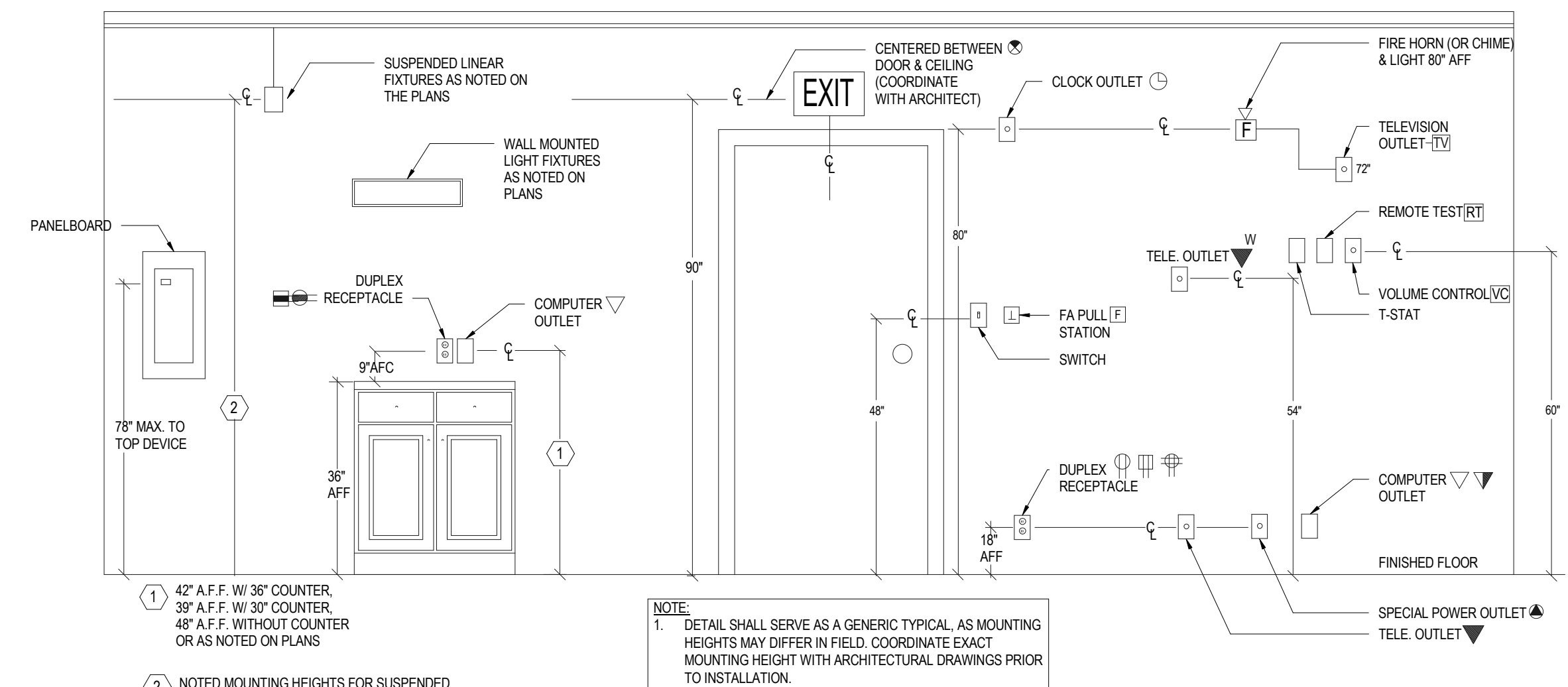
DETAIL NOTES:

- CONTRACTOR SHALL REFER TO LOW-VOLTAGE DRAWINGS AND PROVIDE CONDUIT, RACEWAY, BACKBOXES, ETC. FOR ALL ELECTRICAL AND LOW-VOLTAGE DEVICES.
- CONTRACTOR SHALL COORDINATE AND CONSULT WITH SYSTEMS MANUFACTURE FOR EXACT INSTALLATION REQUIREMENTS AS IT PERTAINS TO RACEWAY AND DEVICE INSTALLATION WITH THE EXIT LANE STRUCTURE HOUSING.

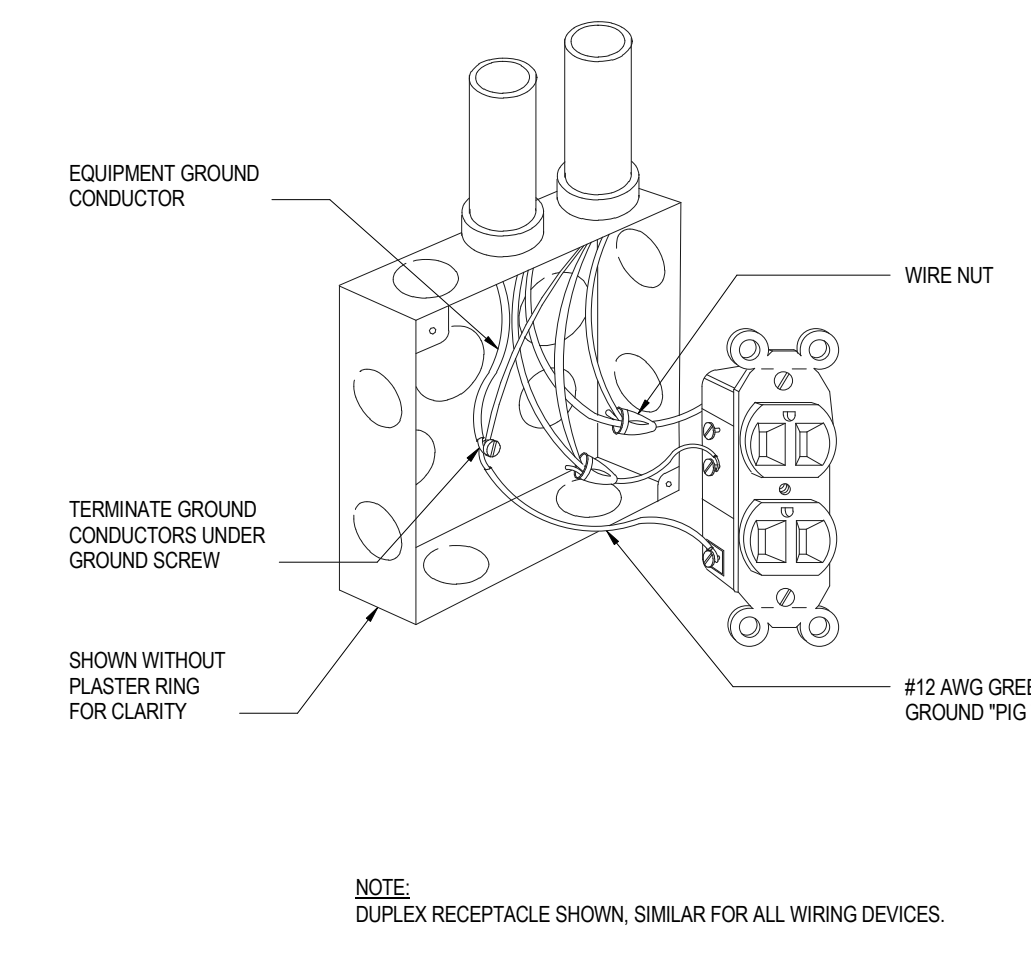
EXIT LIGHT MOUNTING DETAIL (CEILING ONLY) C



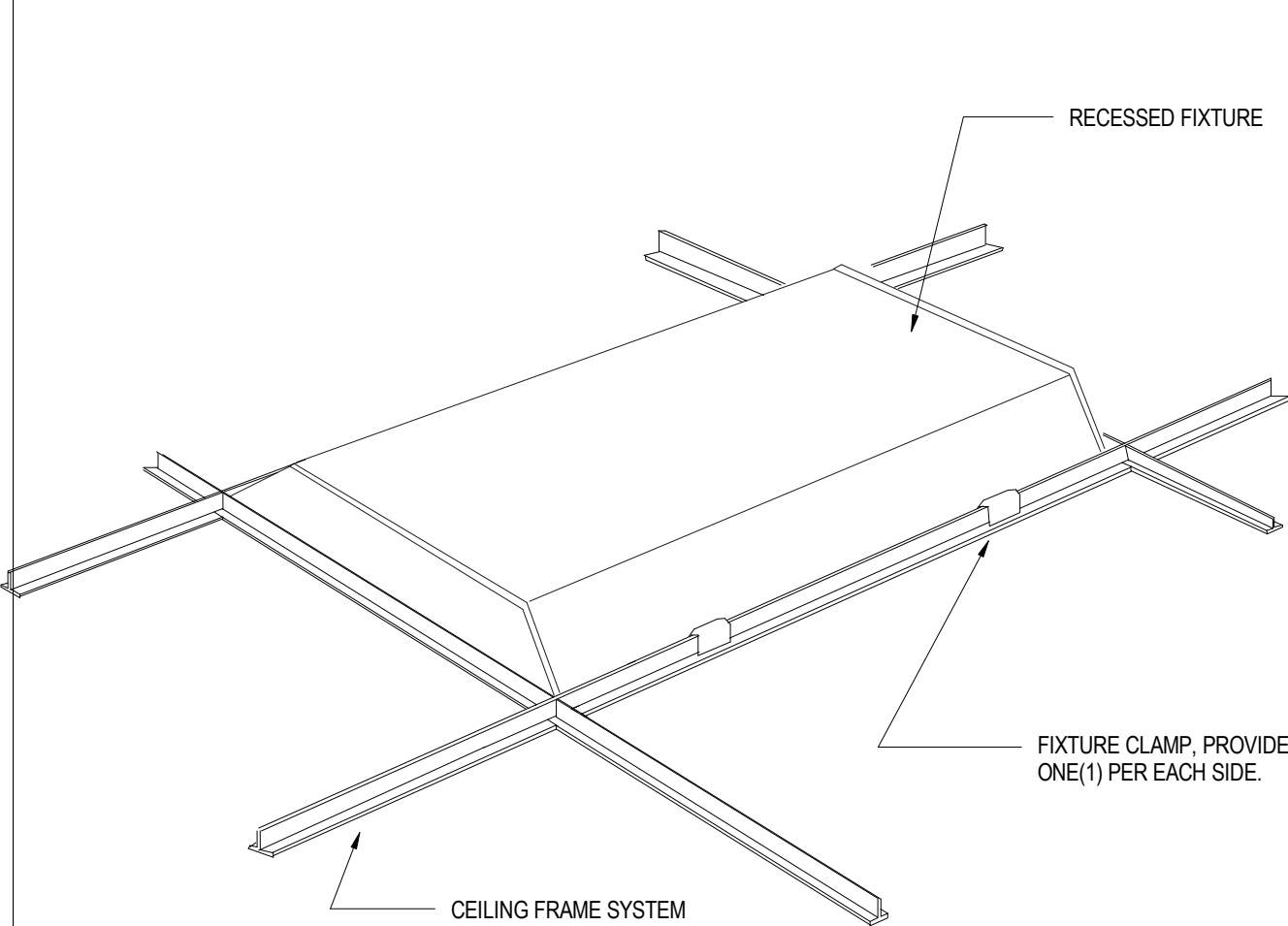
EQUIPMENT INSTALLATION DETAIL A



TYPICAL MOUNTING HEIGHT DETAIL D



WIRING DEVICE GROUNDING DETAIL G



FIXTURE SUPPORT DETAIL E

CODE COMPLIANCE NOTE: FAC-61G15

APPLICABLE CODES AND STANDARDS:
 NFPA-70, 2014 EDITION
 NFPA-72, 2015 EDITION

SCOPE OF WORK:

- ALL FIRE ALARM DEVICES SHOWN SHALL BE NEW AND ROUTED TO THE EXISTING FIRE ALARM TERMINAL CABINET AND CONTROL PANEL.
- THE EXISTING FIRE ALARM SYSTEM AN ADDRESSABLE SYSTEM WITH MULTIPLEXED SIGNAL TRANSMISSION DEDICATED TO FIRE ALARM SERVICE ONLY. REFER TO SPECIFICATIONS FOR ADDITIONAL CONTROL SYSTEM FUNCTIONS.
- ALL CABLING SHALL BE COMPATIBLE WITH FIRE INSTALLED FIRE ALARM MANUFACTURER.
- THE FIRE ALARM SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH NFPA 72.
- PROVIDE ADDITIONAL TERMINAL CABINETS AND BATTERIES WHERE REQUIRED FOR INSTALLATION OF ADDITIONAL FIRE ALARM DEVICE.
- ALL FIRE ALARM INSTALLATIONS SHALL MEET OR EXCEED THE CURRENT BUILDING STANDARDS.

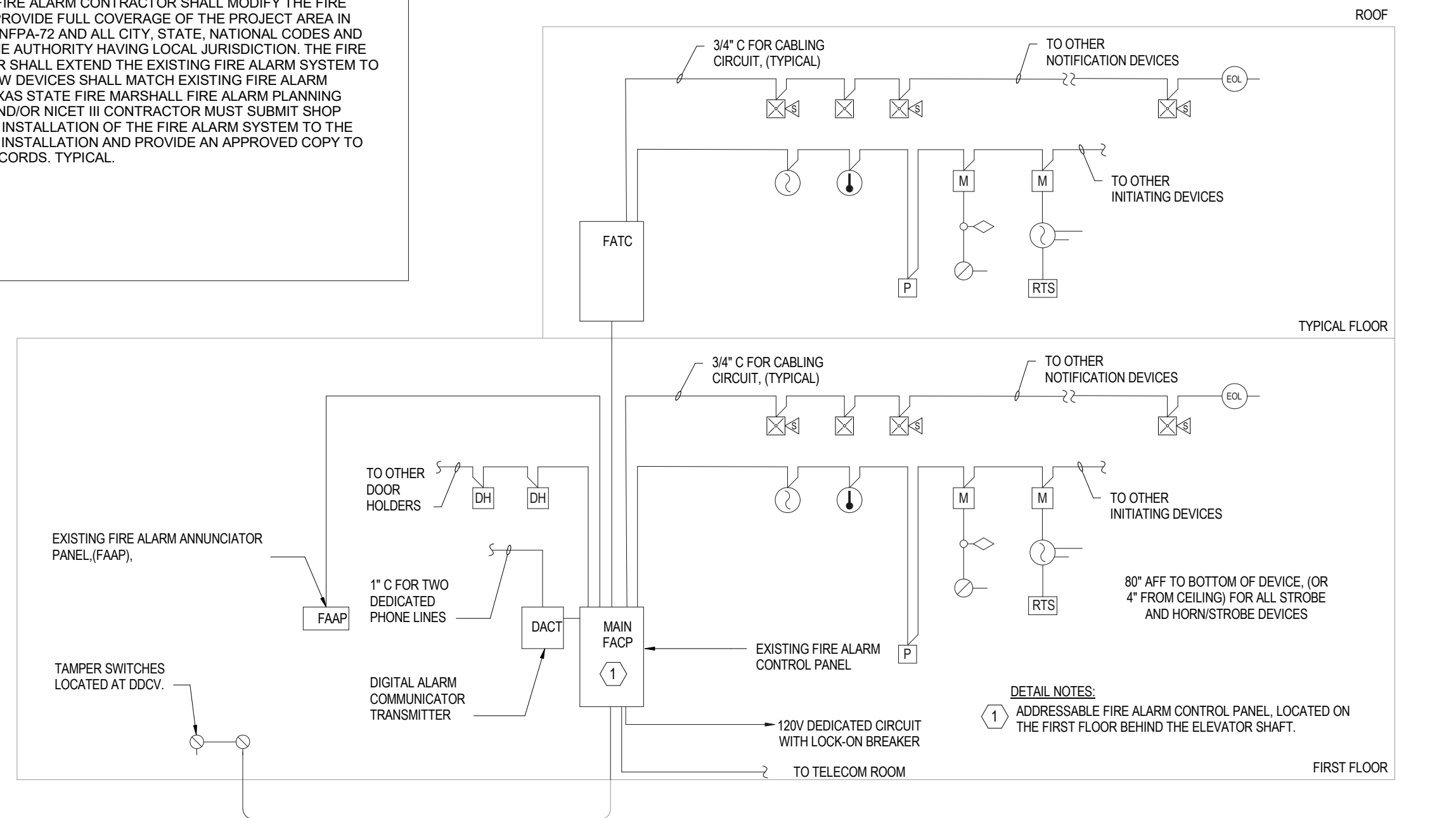
DETAILS GENERAL NOTES:

ANY FIRE ALARM DEVICES SHOWN ON ELECTRICAL DRAWINGS ARE SHOWN FOR BIDDING PURPOSES ONLY AND NOT FOR CONSTRUCTION OR INSTALLATION. THE FIRE ALARM CONTRACTOR SHALL MODIFY THE FIRE ALARM SYSTEM TO PROVIDE FULL COVERAGE OF THE PROJECT AREA IN ACCORDANCE WITH NFPA-72 AND ALL CITY, STATE, NATIONAL CODES AND STANDARDS, AND THE AUTHORITY HAVING LOCAL JURISDICTION. THE FIRE ALARM CONTRACTOR SHALL EXTEND THE EXISTING FIRE ALARM SYSTEM TO THE NEW SPACE. NEW DEVICES SHALL MATCH EXISTING FIRE ALARM SYSTEM DESIGN. TEXAS STATE FIRE MARSHAL FIRE ALARM PLANNING SUPERINTENDENT AND/OR NICET III CONTRACTOR MUST SUBMIT SHOP DRAWINGS FOR THE INSTALLATION OF THE FIRE ALARM SYSTEM TO THE AHJ FOR APPROVAL. INSTALLATION AND PROVIDE AN APPROVED COPY TO THE OWNER FOR RECORDS. TYPICAL.

GENERAL NOTES

- WIRING, RACEWAYS AND FIRE ALARM DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL CODES, OREGON FIRE PREVENTION CODE, PORTLAND FIRE CODE AND NFPA 72.
- ALL FIRE ALARM NOTIFICATION DEVICES LOCATED IN THE INTERIOR SPACES OF THE BUILDING SHALL BE PROVIDED WITH WHITE HOUSING AND RED LETTERING.
- PROVIDE MINIMUM 3/4\"/>

FIRE ALARM RISER DIAGRAM B



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 16930 JOHN F.
 KENNEDY BLVD.
 HOUSTON TX 77032
 [T] 281 233 1757
 [F] 281 233 1800

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 3131 BRIARPARK DR.
 SUITE 200
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 [T] 713 622 1444
 [F] 713 968 9333
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DRAWING HISTORY

NO.	DATE	DESCRIPTION
1	09-09-21	FOR INFORMATION AND REFERENCE ONLY

PROJECT NAME
HOU-TERMINAL - SECURITY EXIT LANE

PROJECT LOCATION
 WILLIAM HOBBY
 HOU
 7800 AIRPORT BLVD.
 HOUSTON, TX 77061

PROJECT NUMBER
 1004345

SHEET TITLE
ELECTRICAL DETAILS

SHEET NUMBER

E901



5555 West Alabama Suite 205
 Houston, TX 77056 Phone: 352.571.6181
 Texas Firm: P-14583 Project No. 0218027

FILE NAME: C:\Users\jalexander\Documents\02_18018_HAS_Exit_Lanes_LOA_HOU_CENTRAL_R19_jalexander@voltageinc.com.rvt
 DATE/TIME: 8/9/2021 6:39:18 PM



DETAIL NOTES:

- EXISTING DOWNLIGHTS AND LOW-VOLTAGE DEVICES WILL BE RELOCATED PER OWNER'S DISCRETION. COORDINATE WITH HAS PM FOR EXACT LOCATION OF REMOVED DEVICES.
- REMOVE AND PATCH LOCATION OF EXISTING DOWNLIGHTS.
- REUSE EXISTING FIRE ALARM CONNECTIONS FOR NEW DEVICES TO BE INSTALLED.

EXISTING EXIT SOFFIT C



EXISTING FIRE ALARM CONTROL PANEL A



EXISTING EGRESS LANE B



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 16930 JOHN F. KENNEDY BLVD.
 HOUSTON TX 77032
 [T] 281 233 1757
 [F] 281 233 1800

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 SUITE 200
 HOUSTON, TX 77042
 [T] 713 622 1444
 [F] 713 968 9333
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 - SECURITY
 EXIT LANE**

PROJECT LOCATION
**WILLIAM HOBBY
 HOU
 7800 AIRPORT BLVD.
 HOUSTON, TX 77061**

PROJECT NUMBER
1004345

SHEET TITLE
**ELECTRICAL
 DETAILS**

SHEET NUMBER

E902



5555 West Alabama Suite 205
 Houston, TX 77056 Phone: 281.618.1181
 Texas Firm: P-14583 Project No.: 0218027

CCVS SYSTEM NOTES

1. ALL OUTDOOR CAMERAS, TERMINATION BOXES, AND PULLBOXES SHALL BE INSTALLED WITH WEATHER RESISTANT HARDWARE.
2. PROVIDE ALL INTEGRATION WITH ALARM ACCESS CONTROL SYSTEM COMPONENTS.
3. PROVIDE ALL COORDINATION WITH OTHER DISCIPLINES FOR INSTALLATION OF EQUIPMENT.
4. COORDINATE ALL SITE WORK WITH OWNER'S REP.
5. DRAWINGS INDICATE CAMERA 'HOME POSITIONS'. VERIFY FIELD OF VIEW WITH HOUSTON AIRPORT SYSTEM (HAS) REPRESENTATIVE AND DESIGN CONSULTANT DURING INSTALLATION. SUBSTITUTION OF LENS TYPE & SIZE TO ACCOMPLISH INTENDED FIELD OF VIEW SHALL BE AT NO ADDITIONAL COST.
6. CAMERAS MAY INCLUDE MULTIPLE TRANSMISSION METHODS. VERIFY EACH CAMERA PRIOR TO INSTALLATION.
7. FIELD VERIFY ALL CAMERA LOCATIONS PRIOR TO INSTALLATION. CAMERA MAY BE RELOCATED WITHIN 25' OF LOCATION SHOWN ON FLOOR PLANS WITHOUT ADDITIONAL COST.

CAMERA SERVER AND DIGITAL STORAGE NOTES

1. PROVIDE DIGITAL STORAGE FOR THIS PROJECT IN THE HAS ADMIN BUILDING AS REQUIRED.
2. THE EXISTING CAMERA SERVERS AND DIGITAL STORAGE ARE LOCATED AT THE HAS ADMINISTRATION BUILDING AND TERMINAL C. THEY ARE REDUNDANT.
3. PROVIDE HONEYWELL MAXPRO CAMERA LICENSING AS REQUIRED AT THE HAS ADMINISTRATION BUILDING AND TERMINAL C TO SUPPORT ALL HAS CAMERAS INSTALLED AS PART OF THIS PROJECT.

ACS SYSTEM NOTES

1. ALL OUTDOOR MOUNTED CARD READERS SHALL BE INSTALLED WITH WEATHER RESISTANT AND TAMPER PROOF HARDWARE.
2. CARD READER PEDESTALS SHALL BE SIZED FOR VOICE COMMUNICATIONS.
3. PROVIDE ALL INTEGRATION WITH CLOSED CIRCUIT VIDEO SURVEILLANCE COMPONENTS.
4. PROVIDE ALL COORDINATION WITH OTHER DISCIPLINES FOR INSTALLATION OF EQUIPMENT.
5. COORDINATE ALL SITE WORK WITH OWNERS REP.
6. PROVIDE ACCESS CONTROL LICENSES AS REQUIRED PART OF THIS PROJECT.
7. CARD READER ICLASS ELITE KEY SHALL BE REQUIRED, AND ONLY AUTHORIZED PURCHASER ARE AUTHORIZED TO PURCHASE. THE ICLASS ELITE PROGRAM INCLUDES A CREDENTIAL FORMAT AND CUSTOM AUTHENTICATION KEY.

EQUIPMENT SYMBOLS LIST

SYMBOL	DESCRIPTION
	CARD READER
	CALL BOX (VOIP) W/ CAMERA
	360 IP CAMERA
	FIXED CAMERA
	PTZ HD IP CAMERA
	DURESS BUTTON (UNDER DESK/TABLE/COUNTER)
	DOOR POSITION SWITCH (FLUSH MOUNT)
	REX MOTION SENSOR
	REMOTE COMMAND TERMINAL (BY OTHER)
	CENTRAL CONTROL RACK (BY OTHER)
	AUTO DOOR OPERATOR (BY OTHER)
	PHONE
	DATA
	CATEGORY 6 DATA OUTLET WHERE X= QUANTITY OF CABLES
	ELECTRIC PANIC BAR WITH REX SWITCH
	PANIC BAR WITH ELECTRIC LATCH RETRACTION & REX SWITCH
	INTELLIGENT FIELD PANEL
	TAMPER SWITCH

SHEET INDEX

SHEET NO.	SHEET NAME
TY000	INDEX, SYMBOLS AND NOTES
TY001	NOTES
TY002	EQUIPMENT SCHEDULES
TY100	OVERALL SECURITY FLOOR PLAN - HOBBY TERMINAL, LEVEL 01
TY101	OVERALL SECURITY FLOOR PLAN - HOBBY TERMINAL, LEVEL 02
TY200	ENLARGED SECURITY FLOOR PLAN - TERMINAL, LEVEL 02
TY300	ENLARGED PLAN AT IDF 100.14
TY500	DOOR AND IFP DETAILS
TY501	CAMERA DETAILS
TY502	TELECOM DETAILS

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KENNEDY BLVD.
HOUSTON TX 77032
[T] 281 233 1757
[F] 281 233 1800

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SUITE 200
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DRAWING HISTORY

NO.	DATE	DESCRIPTION
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PROJECT NAME
HOU-TERMINAL
- SECURITY
EXIT LANE

PROJECT LOCATION
WILLIAM HOBBY
HOU
7800 AIRPORT BLVD.
HOUSTON, TX 77061

PROJECT NUMBER
1004345

SHEET TITLE
INDEX, SYMBOLS
AND NOTES

SHEET NUMBER

TY000

FILE NAME: HOU-TERM - SECURITY EXIT LANE_detached.rvt
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TELECOM GENERAL NOTES

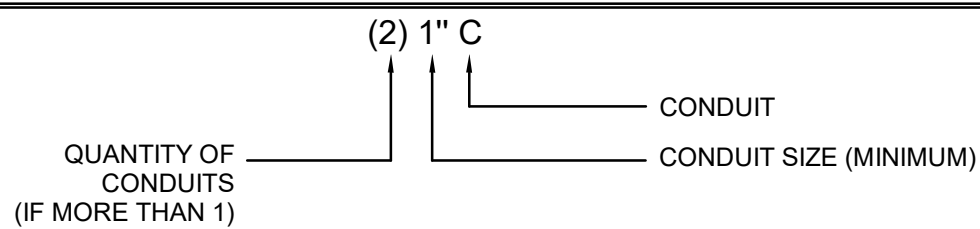
1. FOLLOW TELECOM STANDARDS AND PRACTICES. SEE DIVISION 27 SPECIFICATIONS AND T DRAWINGS
2. REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER (RCDD) SUPERVISOR SHALL REVIEW, APPROVE AND STAMP ALL SHOP DRAWINGS. COORDINATE DRAWINGS AND RECORD DRAWINGS.
3. ALL WALL PENETRATIONS SHALL BE SEALED WITH APPROVED 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.

SECURITY CABLE DESIGNATION/TYPE *

DESIGNATION	DESCRIPTION	USAGE	PART #
A	1 PAIR 22AWG SHIELDED	ALARM MONITORING	BELDEN 5500FE
B	2 PAIR 20AWG SHIELDED	MOTION DETECTOR, BEAM DETECTORS	BELDEN 5441 FE
C	3 PAIR 22AWG SHIELDED	CARD READER	BELDEN 5542 FE
D	2/C 18AWG	CAMERA PWR, PUSH BUTTON, LOCK PWR	BELDEN 5300 UE
E	2 PAIR 22AWG SHIELDED	DATA, CCVS PTZ CONTROL	BELDEN 5541 FE
F	2/C 18AWG SHIELDED	HORN	BELDEN 5300 UE
G	COAXIAL W/2C POWER	VIDEO	
H	1 PAIR 20AWG TWISTED	INTERCOM	BELDEN 5400 FE
I	1 PAIR TWISTED SH 18AWG PLUS 2/C 18AWG	EMERGENCY PHONE	BELDEN 5302GE
J	ENHANCED CAT-5E BONDED-PAIR UTP	NETWORK AND CAMERA	BELDEN 7815A
K	ACCESS CONTROL COMPOSITE CABLE, 4C 18AWG, 3PR 22 AWG, 4C 22 AWG	LOCK PWR, CR, DOOR CONTACT, REX, 1 SPARE YELLOW JACKET	WSECCOMP2835
L	CCTV COMPOSITE CABLE 2C 18AWG, UNSHIELDED, CABLE ETHERNET (PLENUM), R659 (PLENUM)	CAM PWR, UTP/IP VIDEO ANALOG VIDEO CONNECT K112	WSECCOMP-2817

* THIS TABLE IS REFERENCED AND IS SHOWN AS AN EXAMPLE OF ACCEPTABLE CABLE DESIGNATIONS. CONTRACTOR SHALL UTILIZE CABLE DESIGNATION TABLE FOR SHOP DRAWING AND RECORD DRAWING SUBMITTALS.

CONDUIT DESIGNATION KEY



SECURITY GENERAL NOTES

1. THE FOLLOWING GENERAL NOTES ARE APPLICABLE AS STATED BELOW, EXCEPT WHERE SPECIFICALLY INDICATED OTHERWISE, ON THE DRAWINGS OR IN THE BID SPECIFICATION.
2. 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.
3. DEVICE LOCATIONS ON PLANS ARE CONCEPTUAL. LOCATE AS SITE CONDITIONS REQUIRE AND AS APPROVED BY THE OWNER.
4. REFER TO THE BID SPECIFICATION FOR ADDITIONAL REQUIREMENTS REGARDING THIS WORK.
5. INSTALL WALL MOUNTED CARD READERS, PUSH BUTTON SWITCHES, KEYPADS, KEY SWITCHES AND OTHER WALL MOUNTED FIELD DEVICES, AT 48 INCHES MAXIMUM ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED. MOUNTING HEIGHT SHALL COMPLY WITH TEXAS ACCESSIBILITY STANDARD (TAS).
6. PROVIDE PAINTING, PATCHING AND FINISHES, OF MATERIALS AND DEVICES, AS APPROVED BY THE OWNER.
7. DOOR DETAILS ILLUSTRATE FUNCTIONAL RELATIONSHIPS. ACTUAL ARCHITECTURAL CONDITIONS (SUCH AS DIRECTION OF SWING AND HAND OF DOOR) MAY VARY.
8. WORK AND MATERIALS TO CONFORM TO THE MOST CURRENT UNIFORM STANDARD SPECIFICATIONS, ASSOCIATED CODES REFERENCED BY THE (AHJ) AUTHORITY HAVING JURISDICTION, AND DETAILS FOR CONSTRUCTION, AS FURNISHED BY THE OWNER. WORK AND MATERIALS, NOT IN CONFORMANCE WITH PROJECT SPECIFICATIONS AND DETAILS, ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
9. FOR INFORMATION REGARDING FIRE RATINGS AND OCCUPANCY SEPARATIONS, REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS.
10. NEW CONDUIT CONNECTIONS TO INCLUDE INTEGRAL PROTECTIVE BUSHINGS OR CHASE NIPPLES.
11. NEW CONDUIT FOR FUTURE USE TO BE FILLED WITH 200 POUND STRENGTH PULL LINE. PROVIDE LABELING ON EACH END OF THE PULL LINE TO INDICATE LOCATION OF OTHER END.
12. NEW CONDUITS SHALL BE CONCEALED WHENEVER POSSIBLE. SURFACE MOUNTED CONDUITS ARE PERMISSIBLE ONLY WHERE APPROVED. USE ONLY CONCEALED CONDUITS WITHIN FINISHED SPACES. THE ABOVE STANDARDS ALSO APPLY TO EXTERIOR SPACES. SEEK APPROVAL FROM THE OWNER FOR EACH AREA WHERE SURFACE CONDUIT IS NECESSARY.
13. JUNCTION BOXES SHALL BE MINIMUM 4 INCH SQUARE DEEP STYLE, SIZED AS REQUIRED TO ACCOMMODATE CONDUITS UNLESS OTHERWISE NOTED. PROVIDE MOUNTING RING AS REQUIRED. PROVIDE A BLANK COVER PLATE FOR JUNCTION BOXES AND PULL BOXES WITH NO DEVICE.
14. EXPOSED BOXES AND PANELS, MOUNTED IN OR ON EXTERIOR WALLS, TO BE NEMA 4.
15. NEW CONDUIT TO BE 3/4 INCH EMT MINIMUM, UNLESS OTHERWISE NOTED. EXTERIOR CONDUIT TO BE RIGID.
16. USE 120VAC CIRCUITS UNLESS OTHERWISE NOTED. VERIFY CURRENT LOAD ON EXISTING CIRCUITS BEFORE CONNECTING NEW LOADS. COORDINATE WITH OWNER IF ADDITIONAL CIRCUITS ARE REQUIRED.
17. CONTRACTOR TO VERIFY CONDUIT AND PLENUM CABLE PATHS INDICATED ON THE DRAWINGS. CONTRACTOR MAY PROPOSE ALTERNATE ROUTING WHERE CONFLICTS ARE FOUND.
18. CONTRACTOR IS RESPONSIBLE FOR CEILING INTEGRITY, THIS INCLUDES ROUTING ABOVE CONCEALED SPLINE INTERLOCKING TILES.
19. CONTRACTOR TO OBTAIN RECERTIFICATION FOR FIRE RATED DOOR FRAME AND DOOR MODIFIED BY THIS PROJECT.
20. ACCESS CONTROL LOW VOLTAGE WIRING TO BE PLENUM RATED.
21. DO NOT EXCEED 180° IN AGGREGATE CONDUIT BENDS AND/OR 100' CONDUIT WITHOUT PULLBOX.
22. PROVIDE GROUND BUSHING ON ALL CONDUIT END IN EQUIPMENT ROOM. BOND TO APPROVED BUILDING GROUND.
23. LABEL CONDUIT EVERY 50' WITH DEVICE ID & EQUIPMENT ROOM ID WITH PERMANENT INK CABLE MADE WITH LASER CABLE MAKER. SECURE TO CONDUIT WITH CLEAR TAPE.
24. ALL WALL AND FLOOR PENETRATIONS SHALL BE SEALED WITH APPROVED FIRE STOP.
25. ALL CABLES NOT IN CONDUIT ABOVE DROP CEILING SHALL BE INSTALLED IN MIN. 1" J-HOOK EVERY 5'-8". DO NOT EXCEED 40% FILL.
23. LABEL CONDUIT EVERY 50' WITH DEVICE ID & EQUIPMENT ROOM ID WITH PERMANENT INK CABLE MADE WITH LASER CABLE MAKER. SECURE TO CONDUIT WITH CLEAR TAPE.
24. LOCATE DEVICES AS SITE CONDITIONS REQUIRE.
25. FIELD VERIFY ALL DIMENSIONS.
26. REFER TO THE SPECIFICATION FOR ADDITIONAL REQUIREMENTS REGARDING THIS WORK. CONTRACTOR TO PREPARE PROPOSAL FOR EACH DISCIPLINE. PROVIDE COORDINATION BETWEEN DISCIPLINES FOR CONSTRUCTION.
27. NOTIFY DESIGN CONSULTANT AND OWNER WHERE EXISTING CONDITIONS REQUIRE REPAIR PRIOR TO INSTALLATION.
28. COORDINATE ALL WORK WITH GENERAL CONTRACTOR.
29. ALL CABLE PULLS WITHIN EXISTING AND NEW CONDUITS TO BE MADE AT SAME TIME.
30. DEFINITION: BY DIVISION 8 - EQUIPMENT PROVIDED AND INSTALLED BY DIVISION 8 CONTRACTOR.
31. DEFINITION: BY DIVISION 26 - EQUIPMENT PROVIDED AND INSTALLED BY DIVISION 26 CONTRACTOR.
34. DEFINITION: BY DIVISION 27 - EQUIPMENT PROVIDED AND INSTALLED BY DIVISION 27 CONTRACTOR.
35. DEFINITION: BY DIVISION 28 - EQUIPMENT PROVIDED AND INSTALLED BY DIVISION 28 CONTRACTOR.

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HAS AVIATION DEPT.
16930 JOHN F.
KENNEDY BLVD.
HOUSTON TX 77032
[T] 281 233 1757
[F] 281 233 1800

ARCHITECT



PGAL
3131 BRIARPARK DR.
SUITE 200
HOUSTON, TX 77042
[T] 713 622 1444
[F] 713 968 9333
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PROJECT NAME
**HOU-TERMINAL
- SECURITY
EXIT LANE**

PROJECT LOCATION
WILLIAM HOBBY
HOU
7800 AIRPORT BLVD.
HOUSTON, TX 77061

PROJECT NUMBER
1004345

SHEET TITLE
NOTES

SHEET NUMBER

TY001

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HAS AVIATION DEPT.
16930 JOHN F.
KENNEDY BLVD.
HOUSTON TX 77032
[T] 281 233 1757
[F] 281 233 1800

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EXIT LANE

PROJECT LOCATION
 WILLIAM HOBBY
 HOU
 7800 AIRPORT BLVD.
 HOUSTON, TX 77061

PROJECT NUMBER
1004345

SHEET TITLE
EQUIPMENT
SCHEDULES

SHEET NUMBER

TY002

ITEM	CAMERA NO.	SHEET NO.	LEVEL	CAMERA VIEW	CAMERA TYPE	CAMERA MOUNTING TYPE	TERMINATING IDF	REFERENCE MOUNTING DETAIL	DESCRIPTION
1	2.C01	TY200	LEVEL 02	CR 2.R01	HD FIX	CEILING MOUNT	IDF 100.14	1/TY501	NEW CAMERA
2	2.C02	TY200	LEVEL 02	CR 2.R02	HD FIX	CEILING MOUNT	IDF 100.14	1/TY501	NEW CAMERA
3	2.C03	TY200	LEVEL 02	CR 2.R03 & CR 2.R04	HD FIX	CEILING MOUNT	IDF 100.14	1/TY501	NEW CAMERA
4	2.C04	TY200	LEVEL 02	CR 2.R05	HD FIX	CEILING MOUNT	IDF 100.14	1/TY501	NEW CAMERA
5	2.C05	TY200	LEVEL 02	CR 2.R06	HD FIX	CEILING MOUNT	IDF 100.14	1/TY501	NEW CAMERA
6	2.C06	TY200	LEVEL 02	CR 2.R07	HD FIX	CEILING MOUNT	IDF 100.14	1/TY501	NEW CAMERA
7	2.C07	TY200	LEVEL 02	CR 2.R08	HD FIX	CEILING MOUNT	IDF 100.14	1/TY501	NEW CAMERA
8	2.C08	TY200	LEVEL 02	ACTIVITY AT EXIT LANE ENTRANCE AREA	HD FIX	CEILING MOUNT	IDF 100.14	1/TY501	NEW CAMERA
9	2.C09	TY200	LEVEL 02	STAIR EXIT 215.00A	HD FIX	CEILING MOUNT	IDF 100.14	1/TY501	NEW CAMERA

CAMERA SCHEDULE NTS **1**

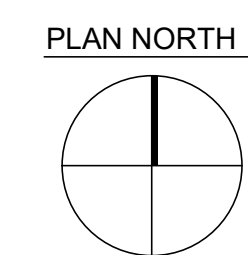
ITEM	READER NO.	SHEET NO.	LEVEL	LOCATION	ASSOCIATED CAMERA	TERMINATING IDF	DESCRIPTION
1	2.R01	TY200	LEVEL 02	EXIT LANE (DOUBLE DOOR)	2.C01	IDF 100.14	NEW CARD READER
2	2.R02	TY200	LEVEL 02	EXIT LANE (DOUBLE DOOR)	2.C02	IDF 100.14	NEW CARD READER
3	2.R03	TY200	LEVEL 02	EXIT LANE (ENTRANCE DOOR)	2.C03	IDF 100.14	NEW CARD READER
4	2.R04	TY200	LEVEL 02	EXIT LANE (EXIT DOOR)	2.C03	IDF 100.14	NEW CARD READER
5	2.R05	TY200	LEVEL 02	EXIT LANE (MIDDLE DOOR)	2.C04	IDF 100.14	NEW CARD READER
6	2.R06	TY200	LEVEL 02	EXIT LANE (MIDDLE DOOR)	2.C05	IDF 100.14	NEW CARD READER
7	2.R07	TY200	LEVEL 02	EXIT LANE (ENTRANCE DOOR)	2.C06	IDF 100.14	DOOR CONTACT
8	2.R08	TY200	LEVEL 02	EXIT LANE (ENTRANCE DOOR)	2.C07	IDF 100.14	DOOR CONTACT

CARD READER SCHEDULE NTS **2**

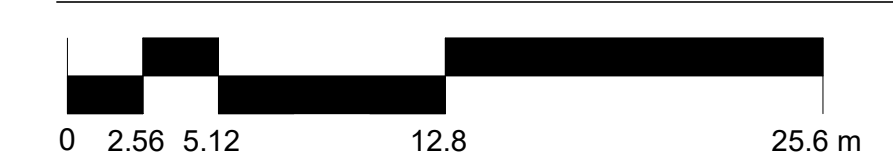
ITEM	ALARM NO.	SHEET NO.	LEVEL	LOCATION	ASSOCIATED CAMERA	TERMINATING IDF	DESCRIPTION
1	2.A01	TY300	LEVEL 02	IDF 100.14	-	IDF 100.14	NEW IFP TAMPER SWITCH

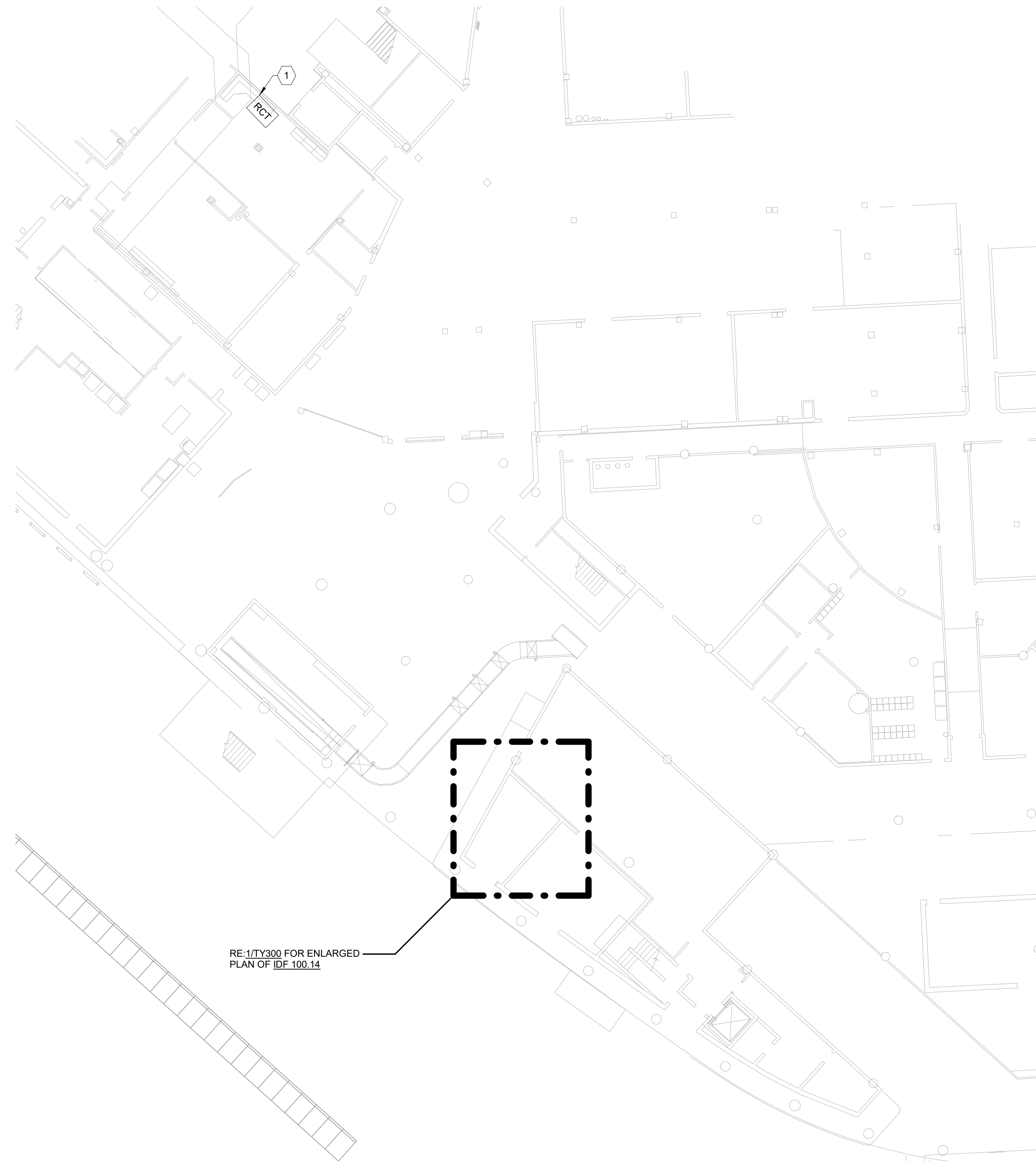
ALARM POINT SCHEDULE NTS **3**

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1 : 256 SCALE





RE:1/TY300 FOR ENLARGED
PLAN OF IDF 100.14

OVERALL SECURITY FLOOR PLAN - HOBBY TERMINAL, LEVEL 01 1/16" = 1'-0" 1

GENERAL NOTES:

1. ALL SECURITY DEVICES SHALL TERMINATE IN IDF 100.14.
2. EXIT LANE CONTAINMENT DEVICES SHALL TERMINATE IN CCR AT IDF 100.14.

KEY NOTES:

1. PROVIDE FOUR (4) DATA DROPS FOR RCT. COORDINATE W/ TSA REPRESENTATIVE FOR LOCATION ON RCT PRIOR TO INSTALLATION. EXTEND 4 DATA DROPS TO CCR IN IDF 100.14

CLIENT



HAS AVIATION DEPT.
16930 JOHN F.
KENNEDY BLVD.
HOUSTON TX 77032
[T] 281 233 1757
[F] 281 233 1800

ARCHITECT



PGAL
3131 BRIARPARK DR.
SUITE 200
HOUSTON, TX 77042
[T] 713 622 1444
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DRAWING HISTORY

NO.	DATE	DESCRIPTION
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PROJECT NAME
**HOU-TERMINAL
- SECURITY
EXIT LANE**

PROJECT LOCATION
WILLIAM HOBBY
HOU
7800 AIRPORT BLVD.
HOUSTON, TX 77061
PROJECT NUMBER
1004345

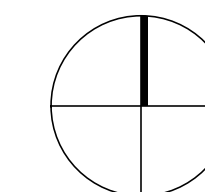
SHEET TITLE
**OVERALL
SECURITY FLOOR
PLAN - HOBBY
TERMINAL, LEVEL
01**
SHEET NUMBER

TY100

FILE NAME: HOU-TERM - SECURITY EXIT LANE_detached.rvt
DATE/TIME: 9/9/2021 11:07:24 PM

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PLAN NORTH

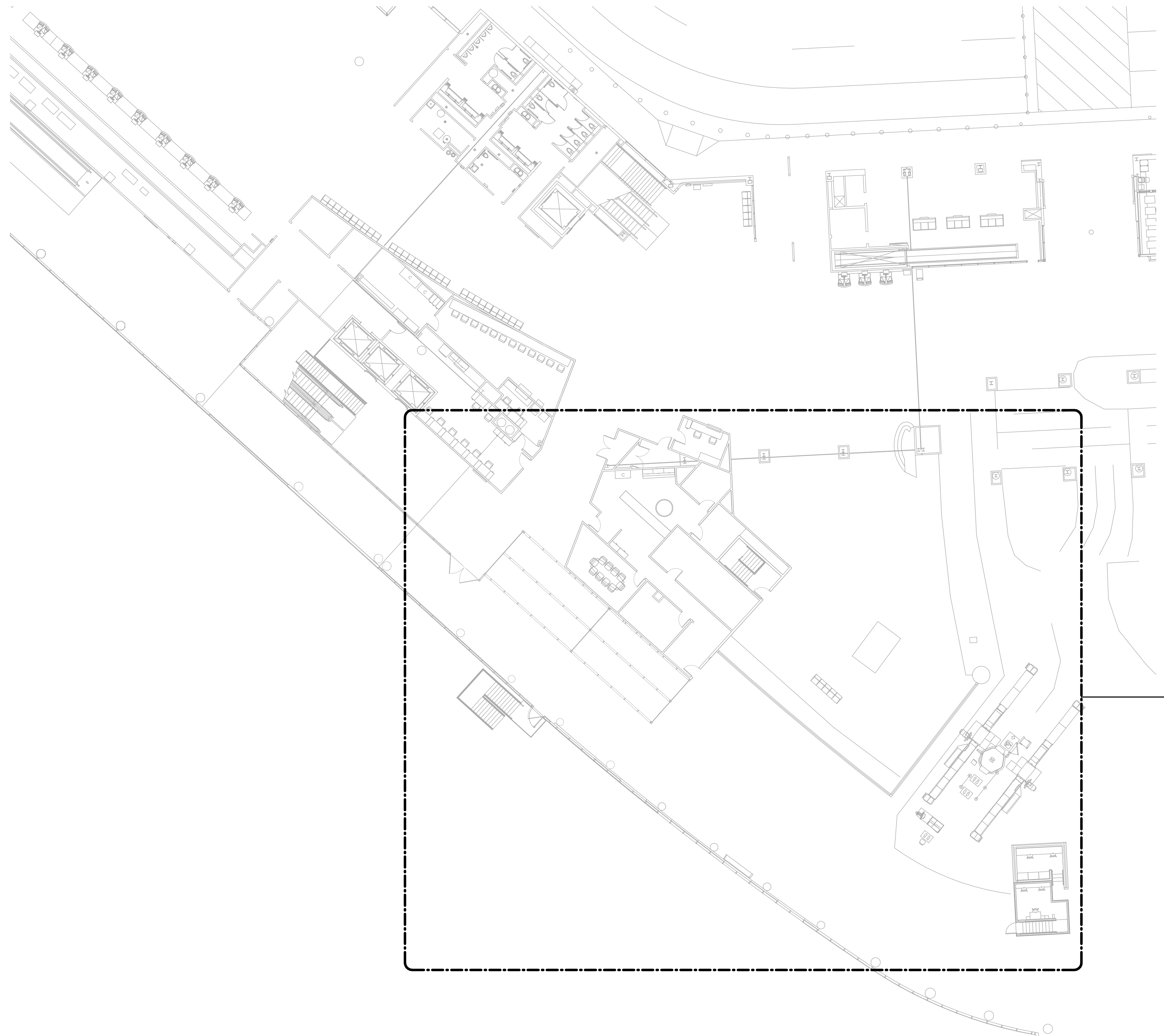


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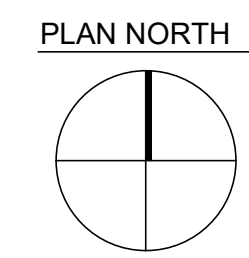


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DATESTAMP 9/9/2021 11:07:24 PM

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OVERALL SECURITY FLOOR PLAN - HOBBY TERMINAL, LEVEL 02 1/16" = 1'-0" 1



1:256 SCALE



CLIENT



HAS AVIATION DEPT.
16930 JOHN F.
KENNEDY BLVD.
HOUSTON TX 77032
[T] 281 233 1757
[F] 281 233 1800

ARCHITECT

PGAL

PGAL
3131 BRIARPARK DR.
SUITE 200
HOUSTON, TX 77042
[T] 713 622 1444
[F] 713 968 9333
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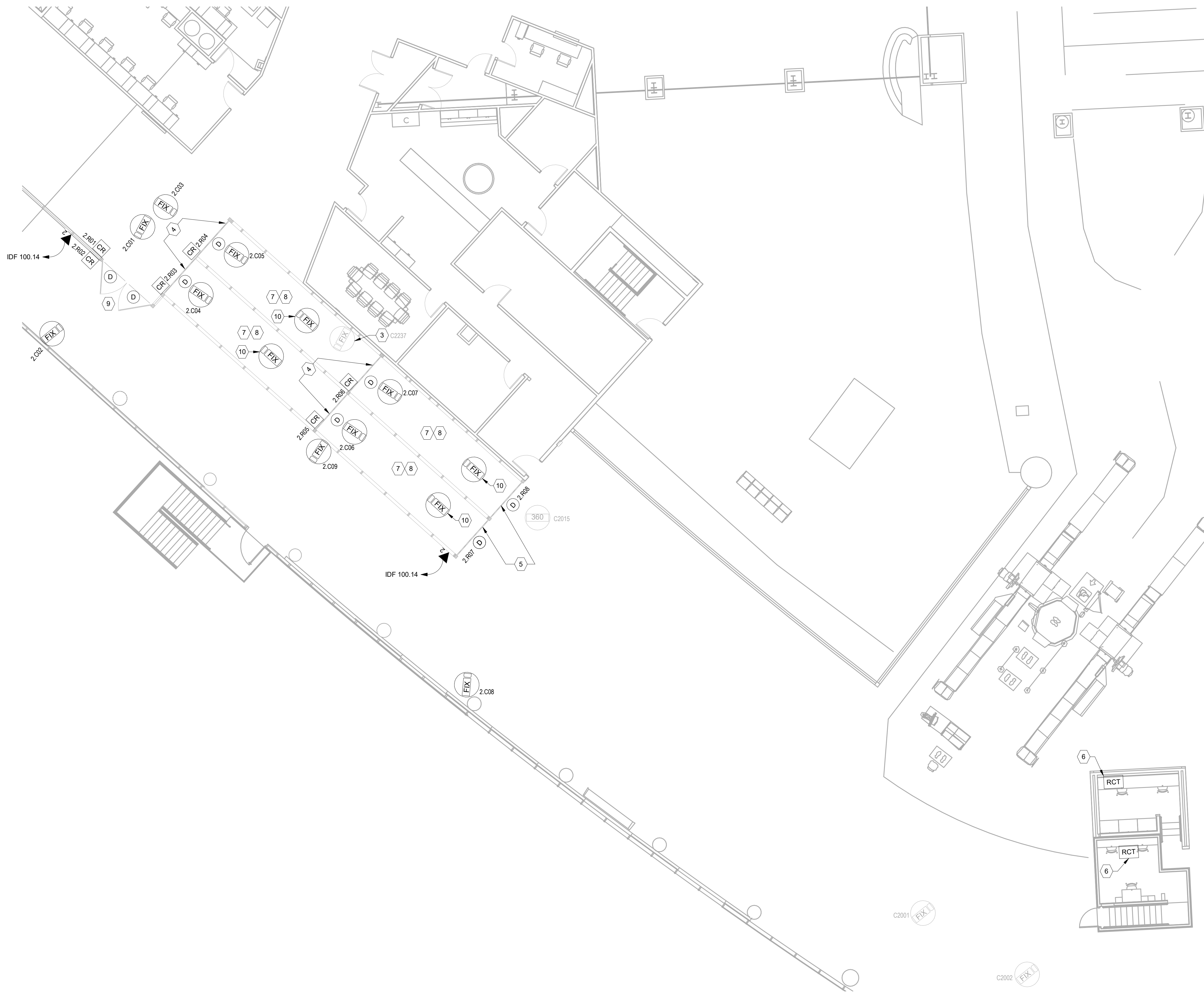
PROJECT NAME
HOU-TERMINAL
- SECURITY
EXIT LANE

PROJECT LOCATION
WILLIAM HOBBY
HOU
7800 AIRPORT BLVD.
HOUSTON, TX 77061
PROJECT NUMBER
1004345

SHEET TITLE
OVERALL
SECURITY FLOOR
PLAN - HOBBY
TERMINAL, LEVEL
02
SHEET NUMBER

TY101

FILE NAME: W:\2018\010 - HAS EXIT LANE MODIFICATIONS\REV\HOU-TERM - SECURITY EXIT LANE 080421 (2021).rvt
 DATESTAMP: 9/9/2021 11:07:24 PM



- GENERAL NOTES:**
- ALL SECURITY DEVICES SHALL TERMINATE IN IDF 100.14.
 - EXIT LANE CONTAINMENT DEVICES SHALL TERMINATE IN CCR AT IDF 100.14.
- KEY NOTES:**
- (E) CARD READER TO BE RELOCATED, REMOVE ALL UNUSED CABLES.
 - RELOCATE (E) CARD READER TO THIS LOCATION.
 - REMOVE AND RETURN (E) CAMERA TO HAS.
 - ADD (N) DOOR CONTACT AND CARD READER. RE: 1/TY500 FOR DOOR DETAIL.
 - ADD DOOR CONTACT, RE: 2/TY500 FOR DOOR DETAIL.
 - PROVIDE FOUR (4) DATA DROPS FOR RCT, COORDINATE W/ TSA REPRESENTATIVE FOR LOCATION ON RCT PRIOR TO INSTALLATION. EXTEND 4 DATA DROPS TO CCR IN IDF 100.14.
 - (E) SPEAKERS IN THE IMPACTED PROJECT AREA SHALL BE RELOCATED. COORDINATE SPEAKERS NEW LOCATIONS W/ HAS IT.
 - (E) DURESS BUTTON IN THE IMPACTED AREA SHALL BE RELOCATED. COORDINATE NEW LOCATIONS W/ TSA REP.
 - REFER TO 3/TY500 FOR DOOR DETAIL.
 - EXIT LANE BREACH CONTROL CAMERA. PROVIDE QUANTITY AS REQUIRED BY SUPPLIER. TERMINATE IN CCR AT IDF 100.14.



CLIENT
HAS AVIATION DEPT.
 16930 JOHN F. KENNEDY BLVD.
 HOUSTON TX 77032
 [T] 281 233 1757
 [F] 281 233 1800



ARCHITECT
PGAL
 3131 BRIARPARK DR.
 SUITE 200
 HOUSTON, TX 77042
 [T] 713 622 1444
 [F] 713 968 9333
 www.pgal.com

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PROJECT LOCATION
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 HOU
 7800 AIRPORT BLVD.
 HOUSTON, TX 77061

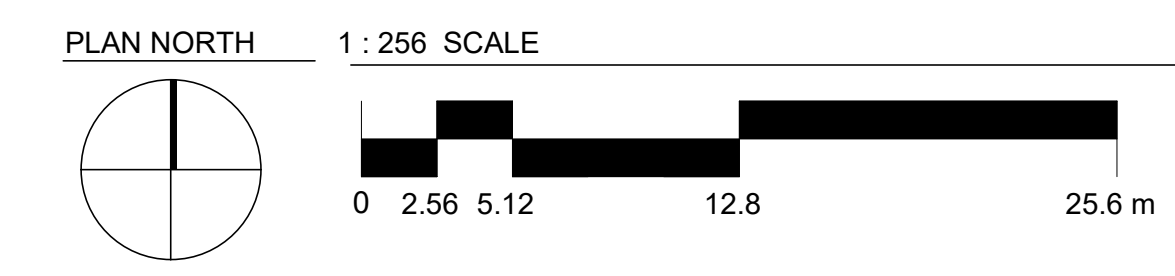
PROJECT NUMBER
 1004345

SHEET TITLE
 ENLARGED SECURITY FLOOR PLAN - HOBBY TERMINAL, LEVEL 02
 SHEET NUMBER

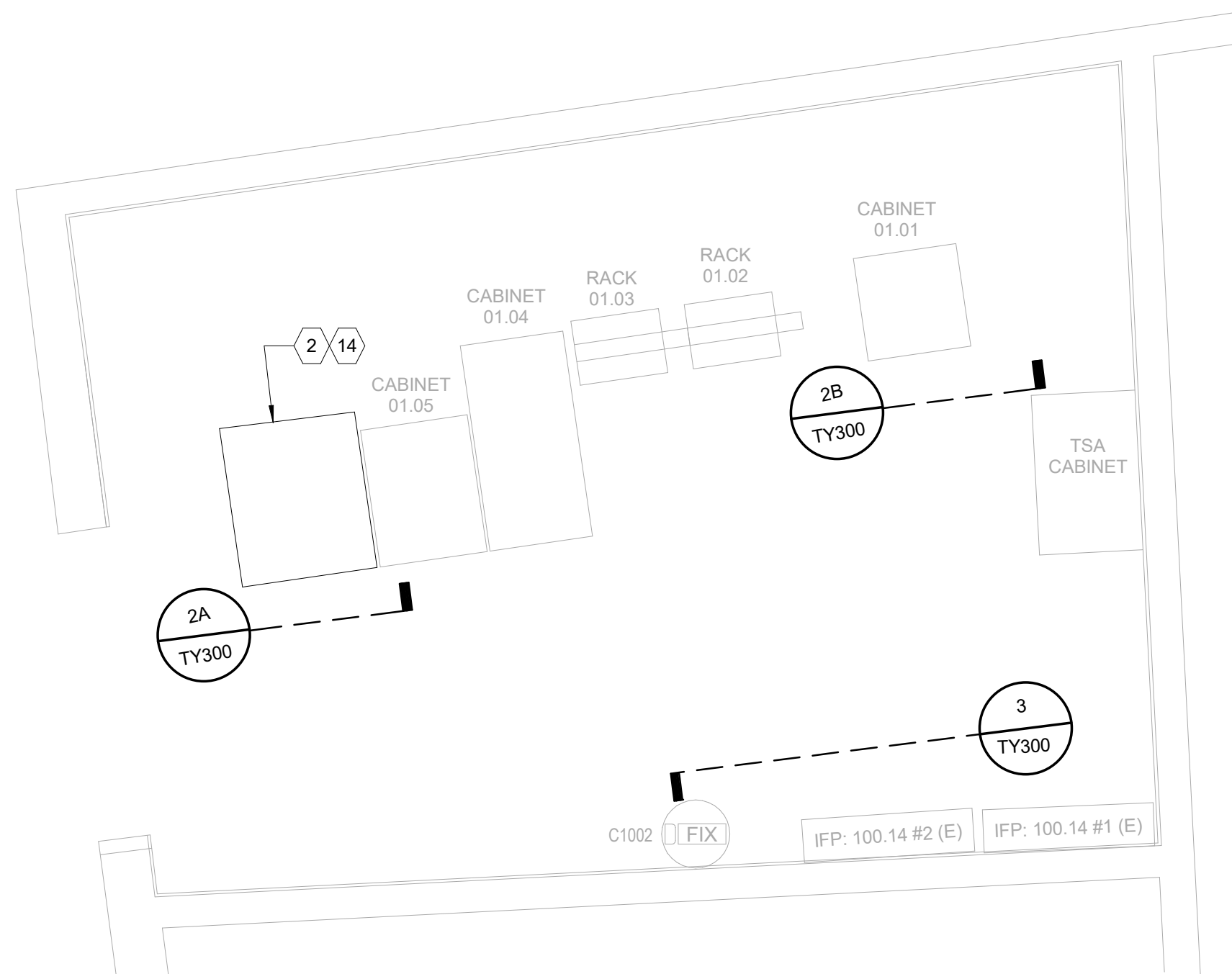
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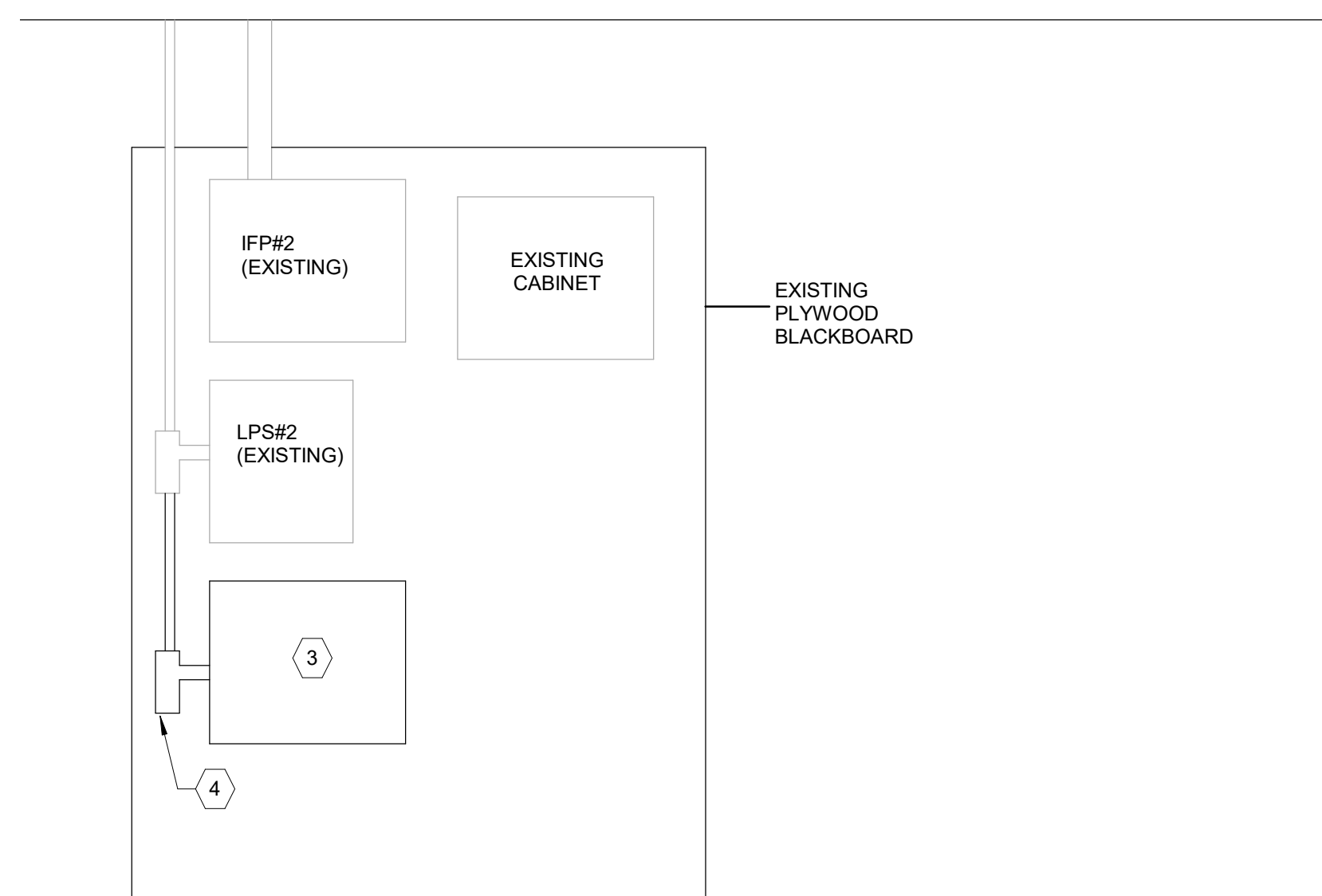
ENLARGED SECURITY FLOOR PLAN - HOBBY TERMINAL, LEVEL 02 1/8" = 1'-0" 1



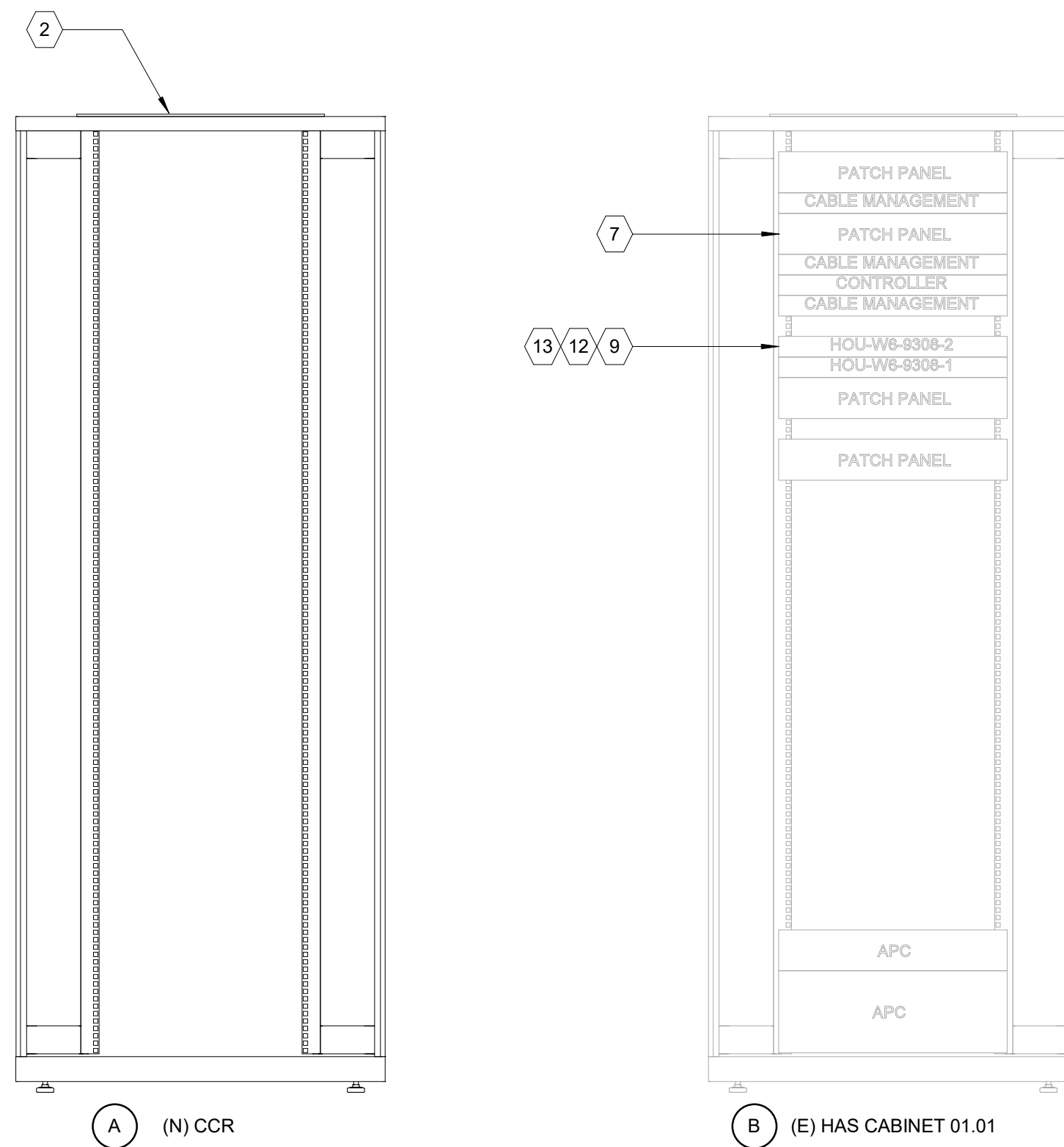
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 DATESTAMP 9/9/2021 11:07:24 PM



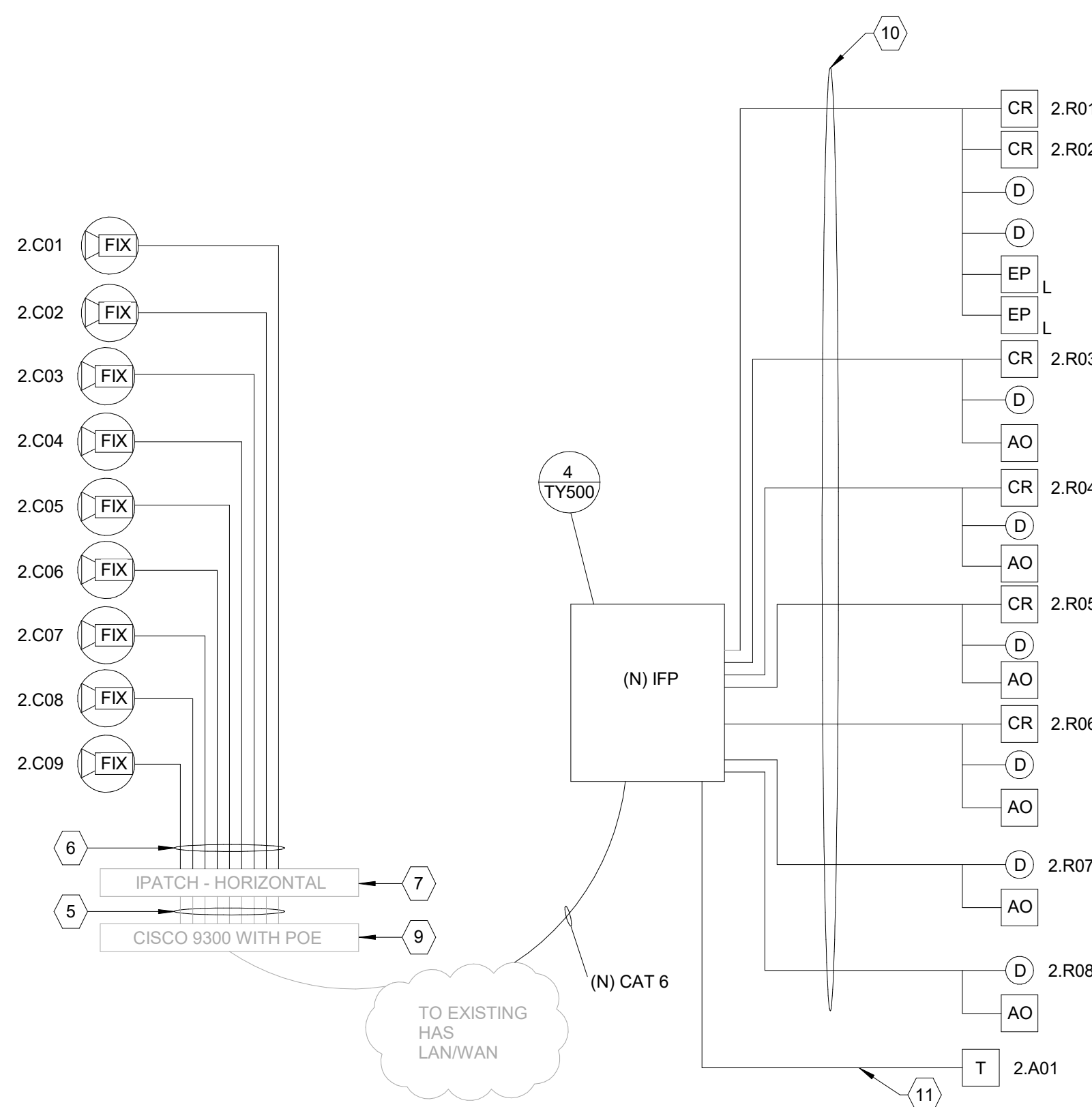
ENLARGED PLAN AT IDF 100.14 (EXISTING) 3/8" = 1'-0" 1



WALL ELEVATION AT IDF 100.14 1/2" = 1'-0" 3



RACK ELEVATIONS AT IDF 100.14 1" = 1'-0" 2



ONE LINE DIAGRAM AT IDF 100.14 3/4" = 1'-0" 4

- KEY NOTES:
- 1 COORDINATE REMOVAL OF EXISTING RACK. LEAVE SPACE FOR NEW CENTRAL CONTROL RACK (CCR).
 - 2 CENTRAL CONTROL RACK (CCR), PROVIDED BY OTHER.
 - 3 PROVIDE (N) IFF W/ READER, INPUT, OUTPUT MODULES AND POWER SUPPLY AS REQUIRED FOR THIS PROJECT.
 - 4 EXTEND 120VAC TO NEW IFF.
 - 5 (E) CAT 6 PATCH CORD.
 - 6 CAT 6, ONE (1) PER CAMERA (TYP).
 - 7 (E) IPATCH HORIZONTAL, SYSTIMAX 360 48 PORT PATCH PANEL.
 - 8 NOT USED.
 - 9 (E) 48 PORT NETWORK SWITCH.
 - 10 COMPOSITE ACCESS CONTROL CABLE.
 - 11 1 PAIR 22 AWG SHIELDED ALARM CABLE.
 - 12 TERMINATE CAMERAS AND (N) IFF IN THIS NETWORK SWITCH. COORDINATE PORTS ASSIGNMENT AND IP ADDRESSES W/ HAS IT.
 - 13 PROVIDE SIXTEEN (16) CAT 6 CABLES BETWEEN (E) HAS NETWORK SWITCH AND CCR FOR NETWORK CONNECTIVITY. COORDINATE WITH HAS IT FOR NETWORK PORTS ASSIGNMENT AND IP ADDRESS.
 - 14 PROVIDE 120VAC 20A POWER CIRCUIT FOR CCR (BY DIV 26, ELECTRICAL).

CLIENT



HAS AVIATION DEPT.
 16930 JOHN F. KENNEDY BLVD.
 HOUSTON TX 77032
 [T] 281 233 1757
 [F] 281 233 1800

ARCHITECT



PGAL
 3131 BRIARPARK DR.
 SUITE 200
 HOUSTON, TX 77042
 [T] 713 622 1444
 [F] 713 968 9333
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PROJECT NAME
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 EXIT LANE

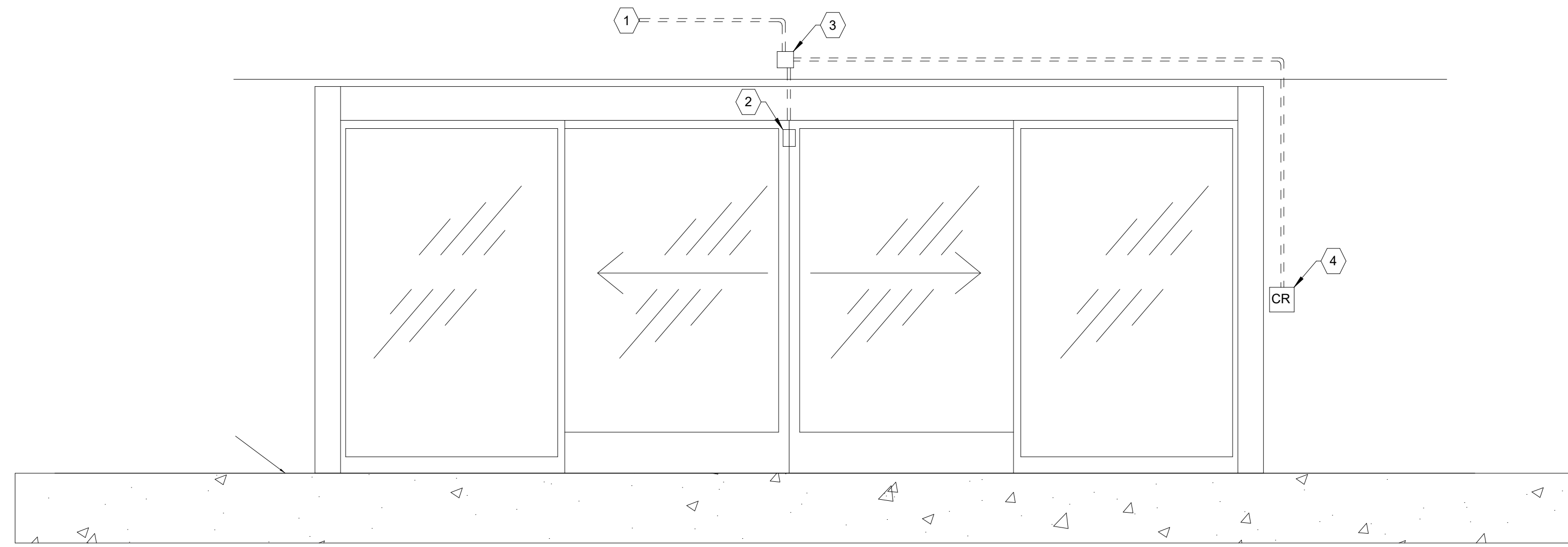
PROJECT LOCATION
 WILLIAM HOBBY
 HOU
 7800 AIRPORT BLVD.
 HOUSTON, TX 77061

PROJECT NUMBER
 1004345

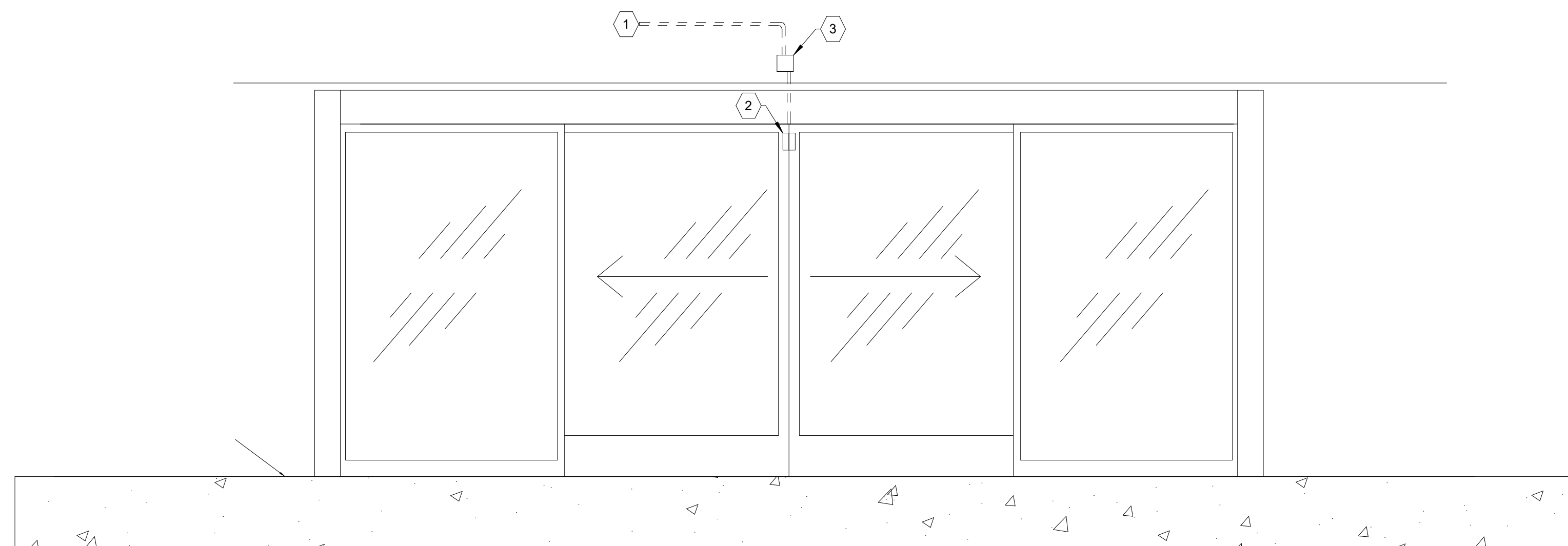
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 ENLARGED PLAN
 AT IDF 100.14

SHEET NUMBER

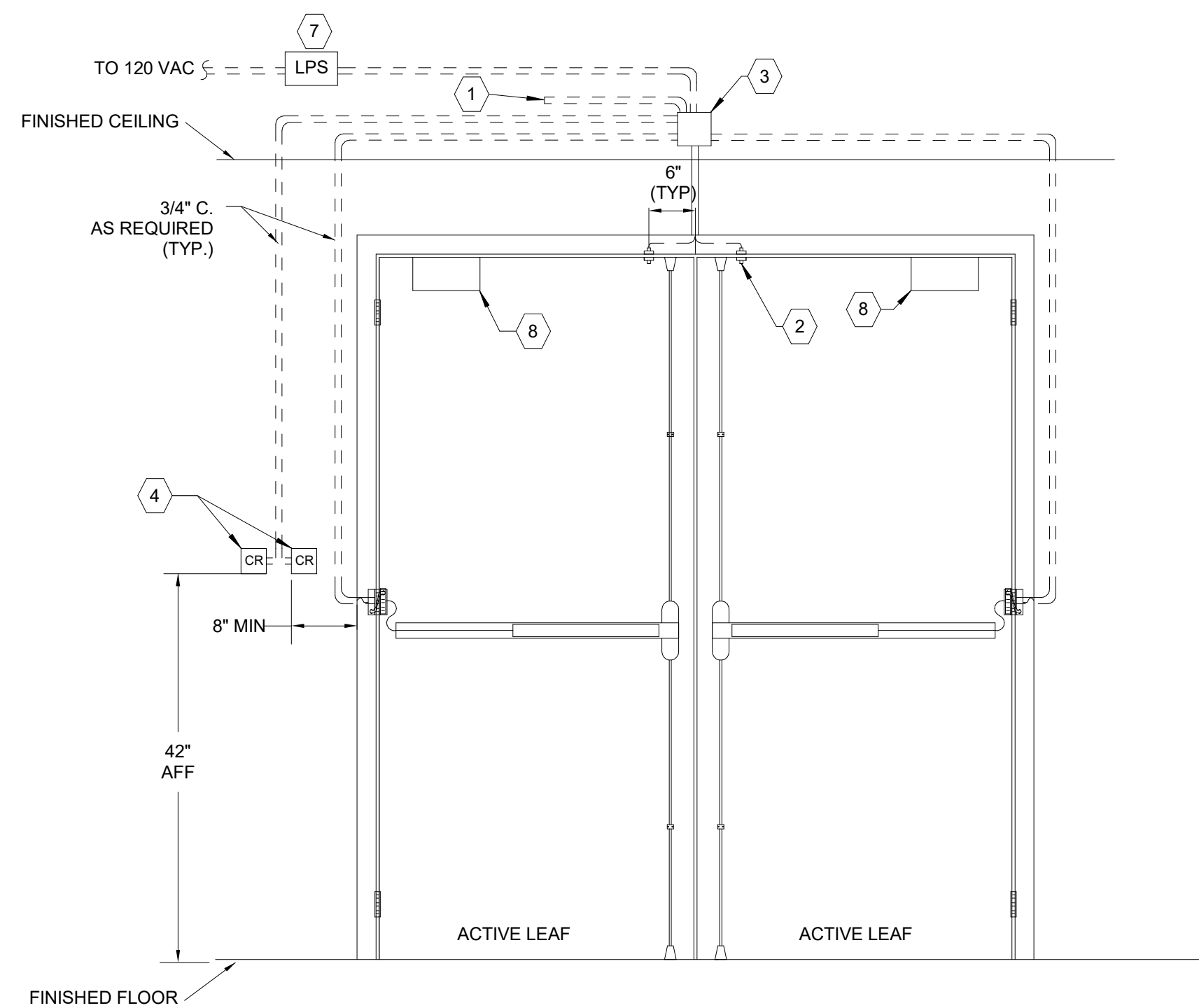
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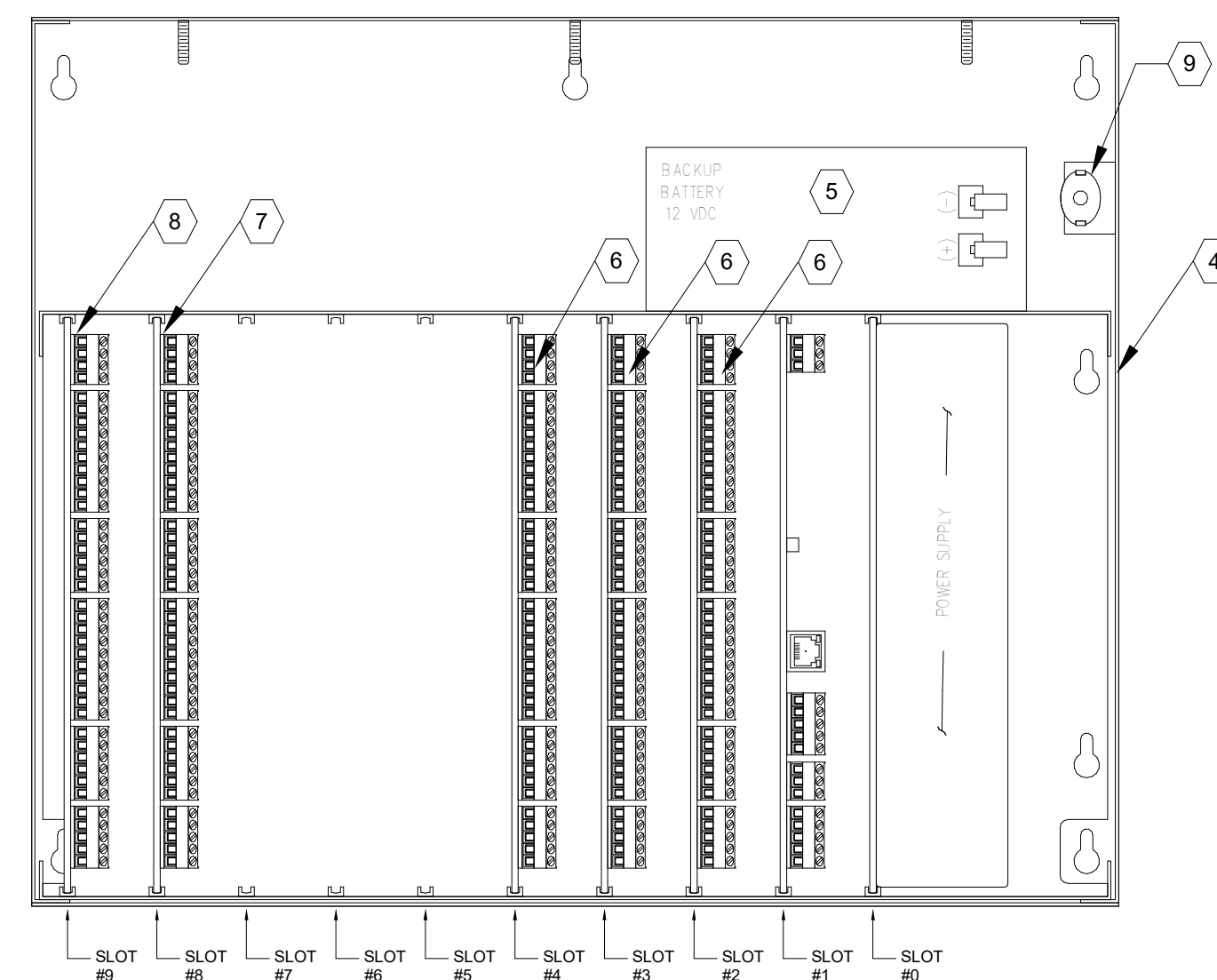
MONITORED AUTO FOLDING DOOR W/ CARD READER NTS 1



MONITORED AUTO FOLDING DOOR NTS 2



DOOR WITH ELECTRIFIED PANIC HARDWARE, DOOR SWITCHER, EPT, CARD READER NTS 3



IFP DETAIL NTS 4

GENERAL NOTES:

- VIEW SHOWN IS FROM SECURED SIDE OF PORTAL. CONDUIT BOXED AND EQUIPMENT SHALL BE MOUNTED ON SECURED SIDE OF PORTAL, UNLESS OTHERWISE NOTED.
- CONDUITS MAY BE COMBINED. IF COMBINED, CONTRACTOR SHALL ENSURE CONDUIT IS SIZED TO ACCEPT REQUIRED CONDUCTORS PER NEC.
- COORDINATE MOUNTING LOCATIONS, ROUGH-IN AND FINISHES WITH THE OWNER.
- CONDUIT SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
- DOOR HARDWARE SHOWN FOR REFERENCE ONLY. TYPE OF HARDWARE MAY VARY. ALL DOOR HARDWARE SHALL HAVE KEY CYLINDER UNLESS NOTED OTHERWISE. DOOR HARDWARE BY DIV.8.
- PROVIDE CONDUIT ONLY WHERE WIRING CANNOT ROUTE IN DOOR FRAME.
- ALL SECURITY DOORS SHALL HAVE DOOR CLOSER.
- COORDINATE WITH HAS FOR ADDRESSING SCHEME.
- PROVIDE PATCH CABLE (CAT 6) FOR CONNECTIVITY TO THE NEAREST LAN/WAN.
- CONFIGURE THE INTELLIGENT CONTROLLER (IC) TO BE ABLE TO DETECT STATIC IP AUTOMATICALLY.
- PROVIDE BATTERY BACKUP TO SUPPORT FULL LOAD FOR 4 HOURS.
- SUBMIT PROGRAMMING WORK SHEETS AS GENERAL SUBMITTAL REQUEST FROM HAS IT.
- PROVIDE ADDITIONAL PANEL ENCLOSURE AND MODULE TO MEET REQUIREMENTS OF PROJECT.
- PROVIDE FIRE ALARM RELAY AS REQUIRED FOR AUTO DOOR.

KEY NOTES:

- 1" C. TO NEAREST IDF. TERMINATE CABLES IN IFP.
- DOOR POSITION SWITCH, FLUSH MOUNT.
- MOUNT 4S J-BOX 6" AFC. OR AS APPROVED BY THE OWNER.
- PROVIDE FIELD PANEL ENCLOSURE WITH POWER SUPPLY AND BATTERY BACK UP. THE FIRST FIELD PANEL SHALL HAVE THE INTELLIGENT CONTROLLED MOUNTED TO SLOT #1.
- BATTERY BACKUP SHALL BE SIZED TO CARRY FULL LOAD FOR FOUR (4) HOURS.
- DUAL READER MODULE. PROVIDE DUAL READER MODULES AS NECESSARY FOR THE PROJECT.
- PROVIDE INPUT MODULE IN SLOT 8. QTY AS REQUIRED FOR PROJECT.
- PROVIDE OUTPUT MODULE IN SLOT 9. QTY AS REQUIRED FOR PROJECT.
- TAMPER SWITCH
- DOOR CLOSER

CLIENT



HAS AVIATION DEPT.
16930 JOHN F.
KENNEDY BLVD.
HOUSTON TX 77032
[T] 281 233 1757
[F] 281 233 1800

ARCHITECT



PGAL
3131 BRIARPARK DR.
SUITE 200
HOUSTON, TX 77042
[T] 713 622 1444
[F] 713 968 9333
www.pgal.com

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HOU-TERMINAL
- SECURITY
EXIT LANE

PROJECT LOCATION
WILLIAM HOBBY
HOU
7800 AIRPORT BLVD.
HOUSTON, TX 77061

PROJECT NUMBER
1004345

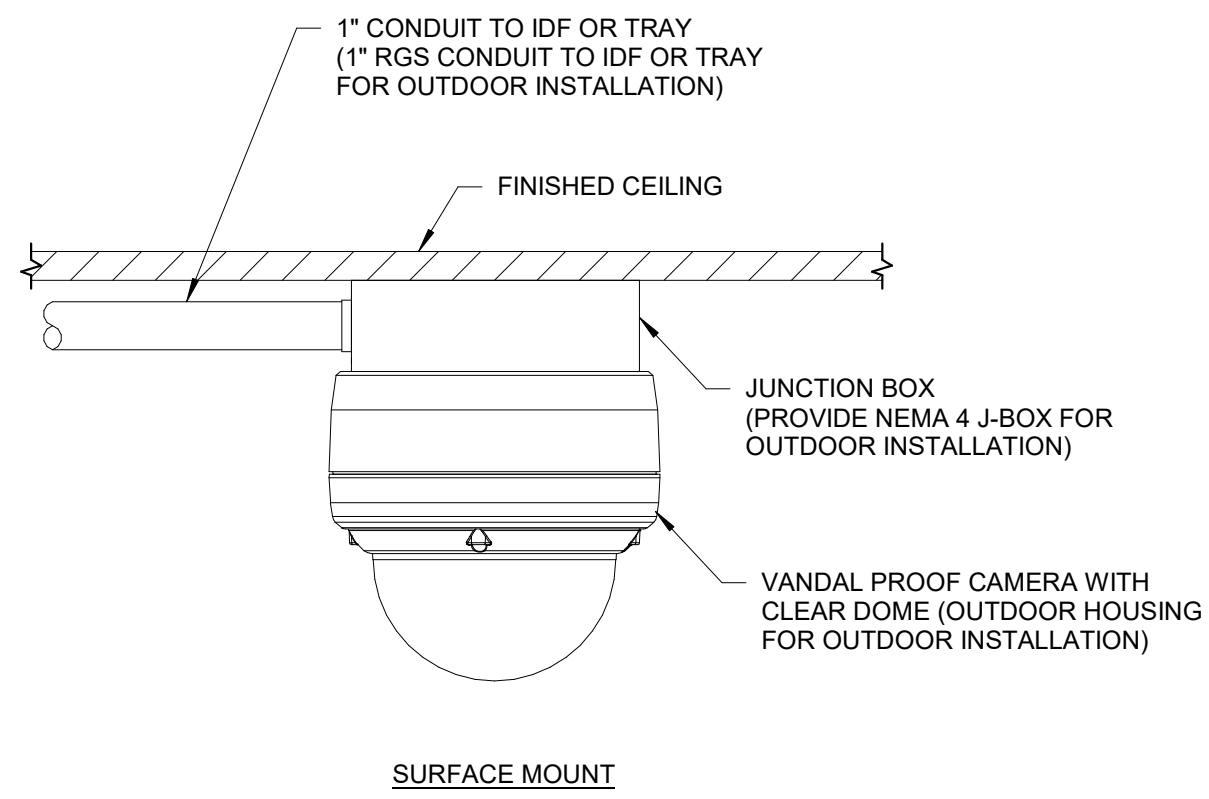
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DOOR AND IFP
DETAILS

SHEET NUMBER

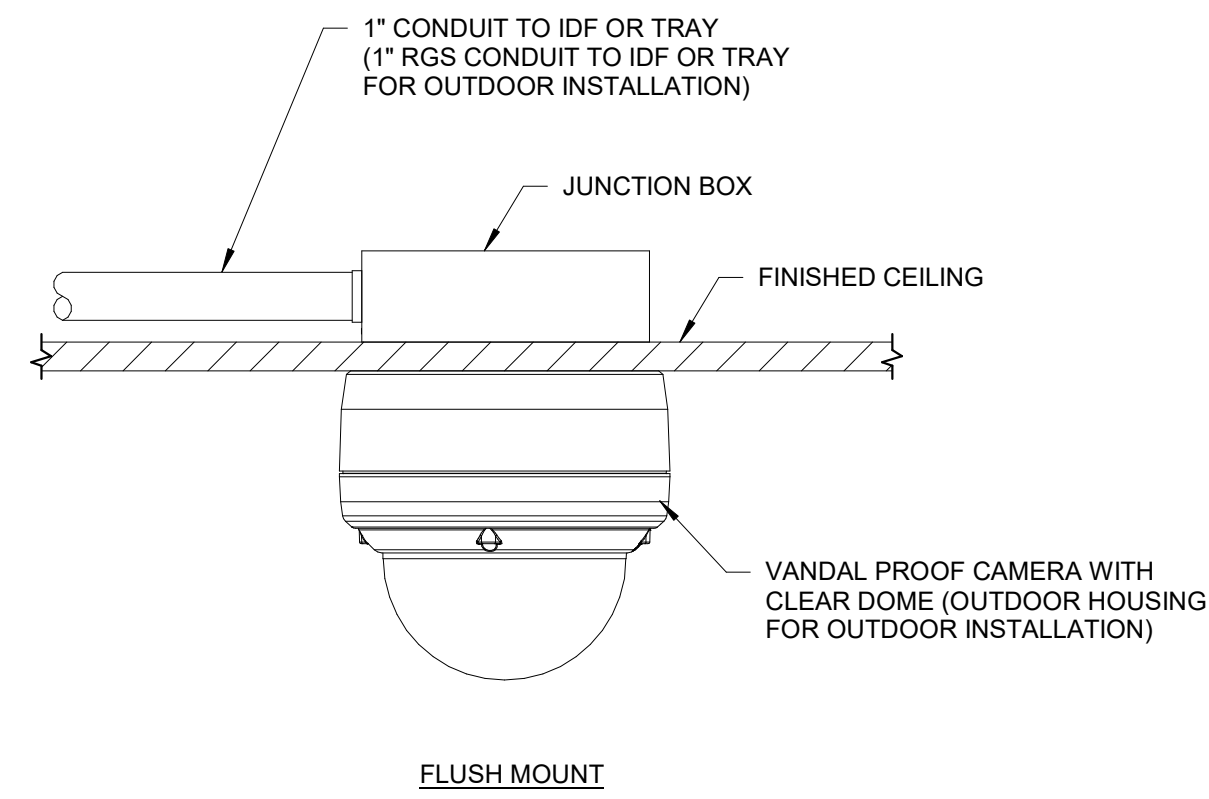
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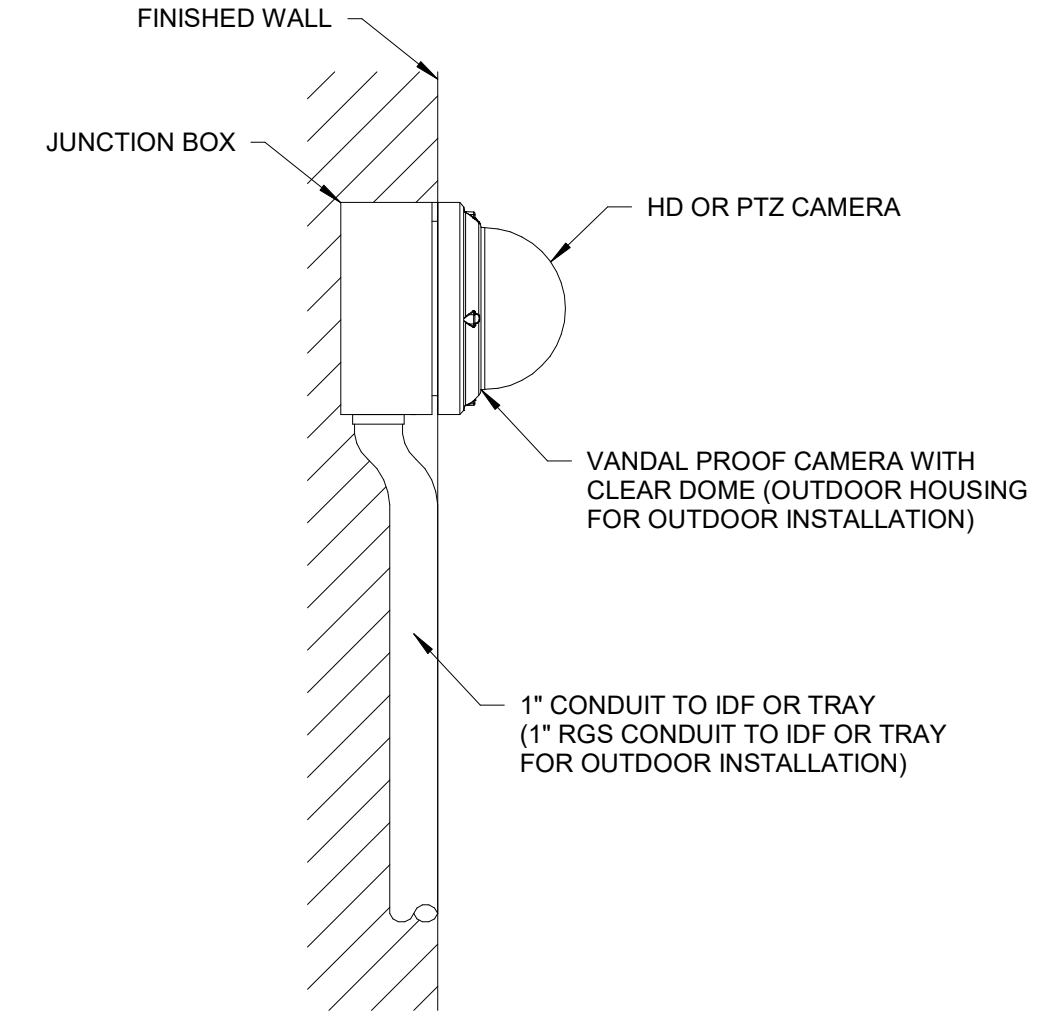
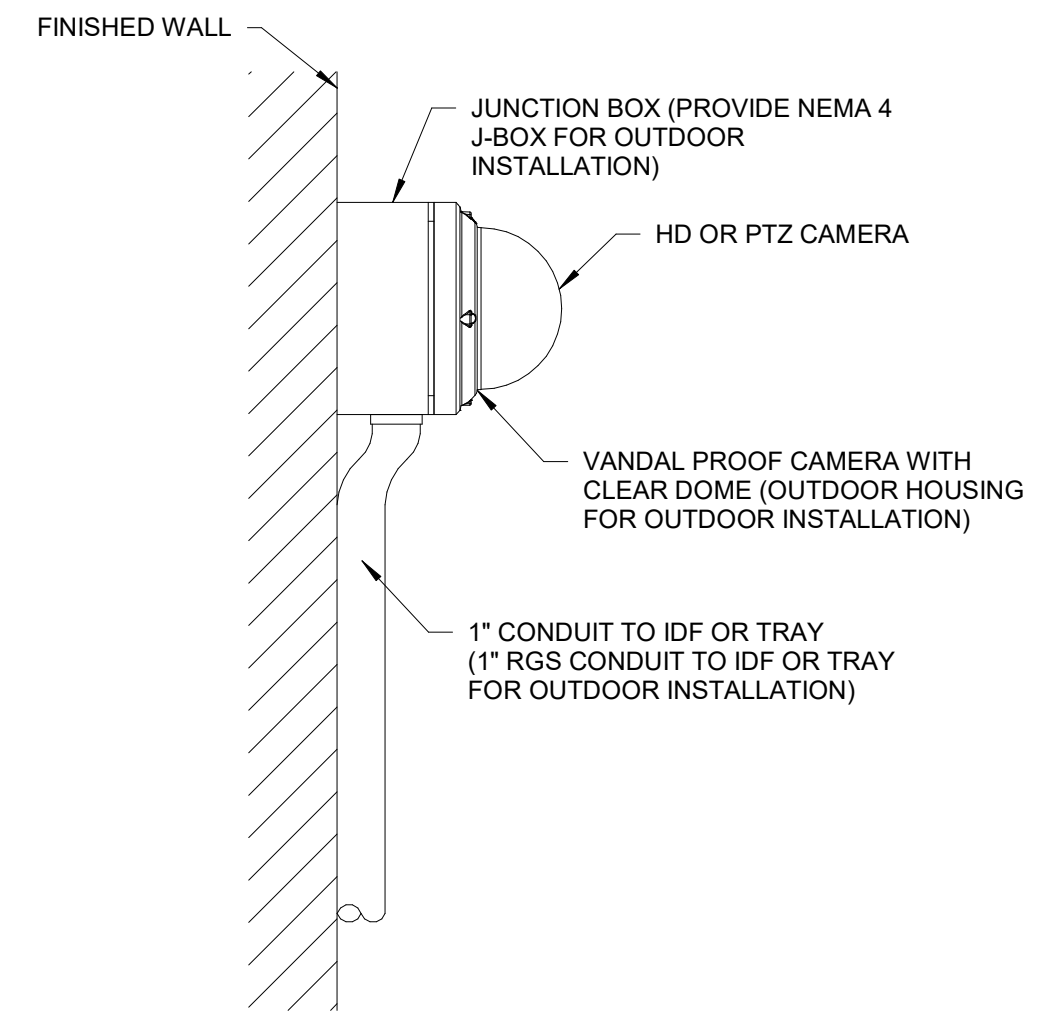


SURFACE MOUNT



FLUSH MOUNT

TYPICAL CAMERA MOUNTING OPTION 1 - CEILING MOUNT FOR HD OR PTZ CAMERA NTS 1



TYPICAL CAMERA MOUNTING OPTION 2 - WALL MOUNT FOR HD OR PTZ CAMERA NTS 2

FILE NAME: HOU-TERM - SECURITY EXIT LANE_detached.rvt
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CLIENT



HAS AVIATION DEPT.
16930 JOHN F.
KENNEDY BLVD.
HOUSTON TX 77032
[T] 281 233 1757
[F] 281 233 1800

ARCHITECT



PGAL
3131 BRIARPARK DR.
SUITE 200
HOUSTON, TX 77042
[T] 713 622 1444
[F] 713 968 9333
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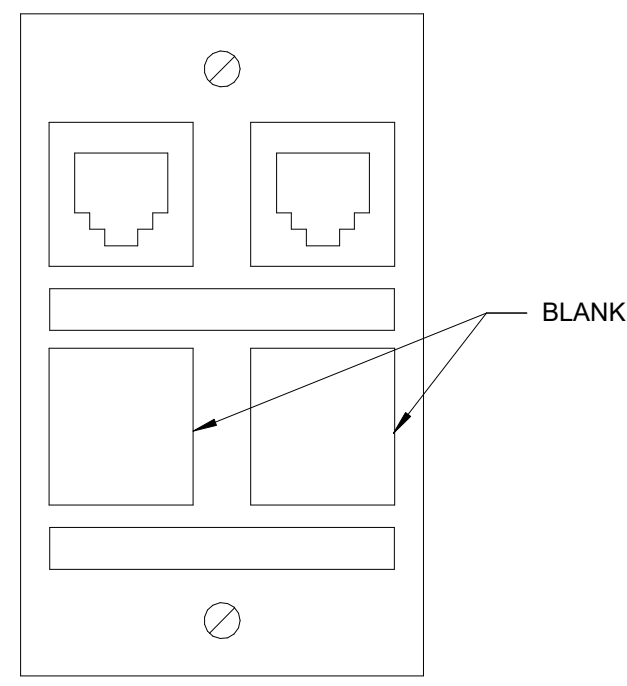
PROJECT NAME
HOU-TERMINAL
- SECURITY
EXIT LANE

PROJECT LOCATION
WILLIAM HOBBY
HOU
7800 AIRPORT BLVD.
HOUSTON, TX 77061
PROJECT NUMBER
1004345

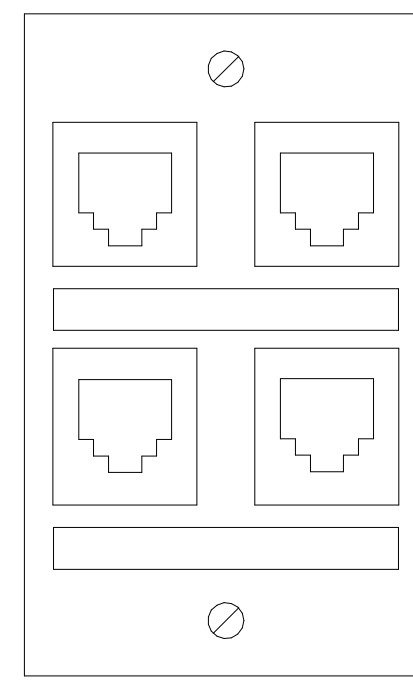
SHEET TITLE
CAMERA DETAILS

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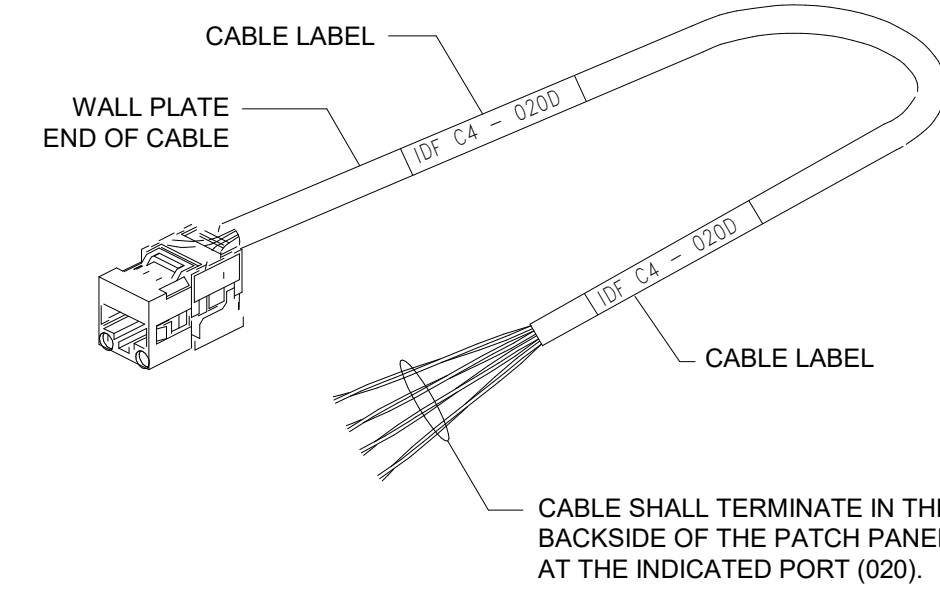
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WORK AREA OUTLET (2) NTS 1



WORK AREA OUTLET (4) NTS 2



COMMUNICATIONS CABLE LABELING NTS 3

FILE NAME: HOU-TERM - SECURITY EXIT LANE_detached.rvt
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HAS AVIATION DEPT.
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KENNEDY BLVD.
HOUSTON TX 77032
[T] 281 233 1757
[F] 281 233 1800

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PGAL
3131 BRIARPARK DR.
SUITE 200
HOUSTON, TX 77042
[T] 713 622 1444
[F] 713 968 9333
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PROJECT LOCATION
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HOU
7800 AIRPORT BLVD.
HOUSTON, TX 77061

PROJECT NUMBER
1004345

SHEET TITLE
TELECOM DETAILS

SHEET NUMBER

TY502