CITY OF AUSTIN DEPARTMENT OF AVIATION

# AUSTIN-BERGSTROM INTERNATIONAL AIRPORT
# AUS CARGO DEVELOPMENT EAST, PACKAGE 2 - FACILITY
# 9402 FREIGHT LN. AUSTIN, TX. 78719

## ABIA PROJECT NO.: L13189.026

C.I.P. NO. 4912-8107-C811

C.I.P. IDENTIFICATION NO. 13189.026

I.F.B. NO. PW0000000000

A.I.P. NO. 0-00-0000-00-00

SOLICITATION NO. CLMC869

**PERMIT & BID SET**

**DATE: AUGUST 02, 2021**


**ATKINS**
11801 Domain Blvd., Suite 500 -
Austin TX 78758 - (512) 327-6840


02AUG21

**PROPERTY OWNER:**
DEPARMENT OF AVIATION
2716 SPIRIT OF TEXAS
AUSTIN, TEXAS 78719
512-530-2242

**SUBMITTED BY:**

DATE

THIEU QUOC TED TRAN, RA 20975 — August 2, 2021
ATKINS NA
110801 Domain Blvd, Suite 500,
Austin, Tx, 78758
1.512.372.1249

**APPROVED BY:**

DATE
CITY OF AUSTIN WATER UTILITY

DATE
CITY OF AUSTIN FIRE DEPARTMENT

DATE
CITY OF AUSTIN, WATERSHED PROTECTION
AND DEVELOPMENT REVIEW DEPARTMENT

DATE
SITE PLAN/DEVELOPMENT PERMIT NUMBER

## NOTES:

1. THIS PROJECT IS LOCATED WITHIN THE ONION CREEK WATERSHED, COLORADO WATERSHED AND CARSON CREEK WATERSHED WHICH ARE CLASSIFIED AS A SUBURBAN WATERSHED, AND SHALL BE DEVELOPED, CONSTRUCTED, AND MAINTAINED IN ACCORDANCE WITH CHAPTER 25-8 OF THE CITY OF AUSTIN LAND DEVELOPMENT CODE.

2. NO PORTION OF THIS TRACT IS WITHIN THE 100-YEAR FLOOD PLAIN OF ANY WATERWAY THAT IS WITHIN THE LIMITS OF STUDY OF THE FEDERAL FLOOD INSURANCE ADMINISTRATION FIRM PANEL #48453C0610H, DATED SEPTEMBER 26, 2008 FOR TRAVIS COUNTY, TEXAS.

3. THIS PROJECT IS NOT WITHIN THE EDWARDS AQUIFER RECHARGE ZONE AS DEFINED BY THE CITY OF AUSTIN.

4. THE ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO CHANGE OR MODIFY EROSION/SEDIMENTATION CONTROLS, PER SECTION 25-8-183 OF THE CITY OF AUSTIN'S LAND DEVELOPMENT CODE.

## REVISIONS / CORRECTIONS

| NO. | DESCRIPTION | BY | REVISE (R) ADD (D) VOID (V) SHEET NO.'s | TOTAL # SHEETS IN PLAN SET | NET CHANGE IMP. COVER (SQ. FT.) | TOTAL SITE IMP. COVER (SQ. FT.)/% | CITY OF AUSTIN APPROVAL/ DATE | DATE IMAGED |
|---|---|---|---|---|---|---|---|---|
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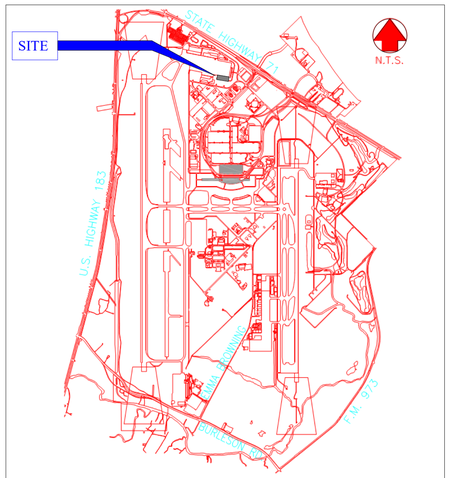



**SITE MAP LOCATION**

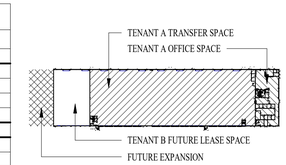
**SHELL BUILDING SCOPE**
INCLUDE ALL STRUCTURAL AND EXTERIOR COMPONENTS FOR A COMPLETE SHELL BUILDING. INCLUDES ALL UNDERSLAB UTILITIES. ROOMS FOR BUILDING MECHANICAL/ELECTRICAL/FIRE/OWNER TECHNOLOGY. SHELL BUILDING SIGNAGE. DOCK BUMPERS/LEVELERS/SEALS/RESTRAINTS AND SCISSOR LIFT.
MECHANICAL INCLUDES RADIANT HEATERS AND ASSOCIATED VENT PIPING AND TEMPERATURE SENSORS. INLCUDE 1 ELECTRIC HEATER IN THE FIRE RISER ROOM.
PLUMBING INCLUDES ALL DOMESTIC WATER, SANITARY, VENT AND GAS PIPING FOR SHELL BUILDING. GAS PIPING FOR RADIANT HEATER SHALL INCLUDE FINAL TERMINATION TO EACH HEATER.
FIRE SUPPRESSION INCLUDES A COMPLETE SYSTEM, FIRE PUMP, JOCKEY PUMP AND CONTROL PANELS FOR SHELL BUILDING.
ELECTRICAL INCLUDES AUSTIN ENERGY ELECTRICAL SERVICE, FEEDERS, TRANSFORMER PAD, UTILITY TRANSFORMER, CT, METERS, SERVICE DISCONNECTS, METER RACK, CONDUIT AND WIRE UP TO SERVICE AN FUTURE SOLAR WIREWAYS. INCLUDE SERVICE TO HOUSE PANELS, TRANSFORMER AND INSTALLATION OF ALL BRANCH CIRCUITS FOR ASSOCIATED DEVICES AND EQUIPMENT TO INCLUDE BUT NOT LIMITED TO POLE LIGHTING, BUILDING LIGHTING, REMOTE TELECOM CABINETS, COMMUNICATION DATA POWER CIRCUITS, FUTURE GSE EQUIPMENT CONDUIT RUNS AND MISCELLANEOUS COMMON LOADS FOR PANELS 'HHP' AND 'LHP'.
TECHNOLOGY INCLUDES ALL BACKBONE CABLING, DUCT BANK, EQUIPMENT ROOM BUILD-OUT AND NEMA ENCLOSURES.

**TENANT IMPROVEMENT SCOPE**
INCLUDES ALL INTERIOR COMPONENTS TO COMPLETE A WORKING ENVIRONMENT FOR TENANT A (OFFICE AND TRANSFER SPACE) AS DESIGNED WITHIN THESE DOCUMENTS SPECIFIC TO TENANT A REQUIREMENTS INCLUDING SPACE DEMISING WALL.
MECHANICAL INCLUDES ALL WORK OTHER THAN NOTED IN BASE BID.
PLUMBING INCLUDES ALL INTERIOR DOMESTIC, SANITARY, VENT AND GAS PIPING FOR TENANT SPACES.
INCLUDE ALL INTERIOR FIRE SUPPRESSION SYSTEM FOR TENANT SPACES.
ELECTRICAL INCLUDES ALL OTHER WORK AS SHOWN ON THE DESIGN DOCUMENTS FOR THE TENANT AREA.
TECHNOLOGY INCLUDES ALL DEVICE CABLING, CONDUIT, PULL BOXES, DEVICES AND EQUIPMENT.

## APPLICABLE CODES

2015 INTERNATIONAL BUILDING CODE (IBC)
WITH CITY OF AUSTIN AMENDMENTS
2015 TEXAS ACCESSIBILITY STANDARDS ('TAS')
2015 UNIFORM PLUMBING CODE (UPC)
2015 UNIFORM MECHANICAL CODE (UMC)
WITH CITY OF AUSTIN AMENDMENTS
2020 NATIONAL ELECTRICAL CODE (NEC)
WITH CITY OF AUSTIN AMENDMENTS
2015 INTERNATIONAL FUEL GAS CODE (IFGC)
2015 INTERNATIONAL FIRE CODE (IFC)
2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
WITH CITY OF AUSTIN AMENDMENTS
2015 ASHRAE STANDARD 90.1
2015 ASHRAE STANDARD 62.1
2018 NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
2018 NFPA 101 LIFE SAFETY CODE (LSC)
CITY OF AUSTIN SUBCHAPTER E DESIGN STANDARDS AND
MIXED USE
ILLUMINATING ENGINEERING SOCIETY LIGHTING HANDBOOK

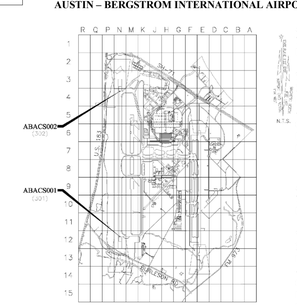
| BUILDING AREA | SF |
|---|---|
| TENANT A OFFICE SPACE | 9,478 |
| TENANT A TRANSFER SPACE | 65,552 |
| TENANT A TOTAL LEASED SPACE | 75,000 |
| | |
| TENANT B FUTURE LEASE SPACE | 14,400 |
| | |
| **TOTAL BUILDING** | **89,400** |
| | |
| | |
| FUTURE EXPANSION | 9,600 |




| DESIGN TEAM | | ADDRESS |
|---|---|---|
| GENERAL | Atkins | 110801 Domain Blvd, Suite 500, Austin, Tx, 78758 |
| ARCHITECTURAL, INTERIOR DESIGN & SIGNAGE | | |
| AEGB DESIGN | | |
| LANDSCAPE | | |
| STRUCTURAL | | |
| CIVIL | CDM Smith | 9430 Research Blvd, Suite 1-200, Austin TX 78759 |
| MECHANICAL | Guerra | 2401 South IH-35, Suite 210, Austin TX 78741 |
| ELECTRICAL, SITE ELECTRICAL | Encotech | 8500 Bluffstone Cove, Suite B-103, Austin TX 78759 |
| PLUMBING | CNG | 1917 N. New Braunfels Avenue, Suite 201, San Antonio TX 78208 |
| FIRE PROTECTION | | |
| SECURITY | 4B Technology | 12600 Northborough Dr., Suite 290, Houston TX 77067 |
| AUDIO-VISUAL | | |
| TELECOMMUNICATION | | |

**MAYOR**
STEVE ADLER
**MAYOR PRO TEM**
NATASHA HARPER-MADISON
**CITY COUNCIL MEMBERS**
VANESSA FUENTES
SABINO "PIO" RENTERIA
GREGORIO "GREG" CASAR
ANN KITCHEN
MACKENZIE KELLY
LESLIE POOL
PAIGE ELLIS
KATHIE TOVO
ALISON ALTER
**CITY MANAGER**
SPENCER CRONK

**AUSTIN – BERGSTROM INTERNATIONAL AIRPORT COORDINATE SYSTEM (ABACS)**




**ABACS001**
**TEXAS STATE PLANE COORDINATES**
**NAD-83, CENTRAL ZONE, GRID COORDINATES**

**Y COORDINATE 10039194.744**
**X COORDINATE 3135381.169**
**ELEVATION 486.88**

**GEODETIC POSITION**
**LATITUDE 30° 10' 47.8264" N**
**LONGITUDE 97° 40' 42.4897" N**

**ABACS002**
**TEXAS STATE PLANE COORDINATES**
**NAD-83, CENTRAL ZONE, GRID COORDINATES**

**Y COORDINATE 10051429.057**
**X COORDINATE 3134807.761**
**ELEVATION 540.99**

**GEODETIC POSITION**
**LATITUDE 30° 12' 49.0286" N**
**LONGITUDE 97° 40' 45.6956" N**

**PREPARED BY:**


**ATKINS**
**11801 Domain Boulevard,**
**Suite 450 and 500**
**Austin, TX 78758**


## AMERICANS WITH DISABILITIES ACT

THE CITY OF AUSTIN HAS REVIEWED THIS PLAN FOR COMPLIANCE WITH CITY DEVELOPMENT REGULATIONS ONLY. THE APPLICANT, PROPERTY OWNER, AND OCCUPANT OF THE PREMISES ARE RESPONSIBLE FOR DETERMINING WHETHER THE PLAN COMPLIES WITH ALL OTHER LAWS, REGULATIONS, AND RESTRICTIONS WHICH MAY BE APPLICABLE TO THE PROPERTY AND ITS USE.

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER/ARCHITECT WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

## SITE PLAN RELEASE

SHEET X OF XX

FILE NO.: _____ EXPIRATION DATE: _____
CASE MANAGER: CHRISTINE BARTON-HOLMES APPLICATION DATE: _____
APPROVED ADMINISTRATIVELY ON: _____
APPROVED BY PLANNING COMMISSION ON: _____
APPROVED BY CITY COUNCIL ON: _____
UNDER SECTION: _____ OF CHAPTER _____ OF THE AUSTIN CITY CODE.

_____
DIRECTOR, WATERSHED PROTECTION AND DEVELOPMENT REVIEW DEPT.
DATE OF RELEASE _____ ZONING: AV
REV. 1 _____ CORRECTION 1 _____
REV. 2 _____ CORRECTION 2 _____

RELEASE OF THIS APPLICATION DOES NOT CONSTITUTE A VERIFICATION OF ALL DATA, INFORMATION AND CALCULATIONS SUPPLIED BY THE APPLICANT. ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER. APPROVAL OF THESE PLANS BY THE CITY OF AUSTIN DOES NOT REMOVE THESE RESPONSIBILITIES.

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

**AUS CARGO DEVELOPMENT EAST**
**9402 FREIGHT LN. AUSTIN, TX. 78719**
ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

**Austin-Bergstrom International Airport**

| No. | Date | Description | By |
|---|---|---|---|

DRAWN BY: ON
CHECKED BY: BH
COORD. CHECK: TT / KP
FILE NAME: L13189.026-G-0-01.dwg
DATE: 02AUG21

DRAWING DESCRIPTION:
**COVER SHEET**

SHEET NO.
**G-0-01**

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ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

REGISTERED ARCHITECT THIEU QUOC TED TRAN 20944 STATE OF TEXAS

19JUL21

ATKINS
11801 Domain Blvd., Suite 500 -
Austin TX 78758 - (512) 327-6840

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | |
|---|---|---|---|---|
| DRAWN BY: ON | | | | |
| CHECKED BY: BH | | | | |
| COORD. CHECK: TT / KP | | | | |
| FILE NAME:L13189.026-GI-0-01.dwg | | | | |
| DATE: 02AUG21 | | | | |
| SCALE: | No. | Date | Description | By |

KEY MAP SECTOR J3

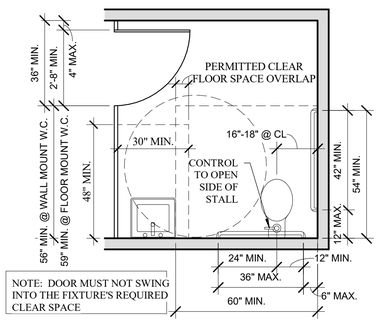
DRAWING DESCRIPTION:

**INDEX OF DRAWINGS**

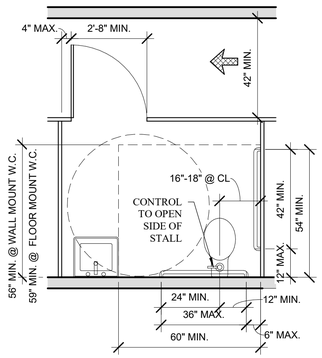
SHEET NO.

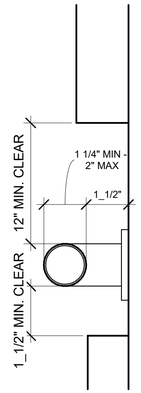
**GI-0-01**

TOILET ROOMS

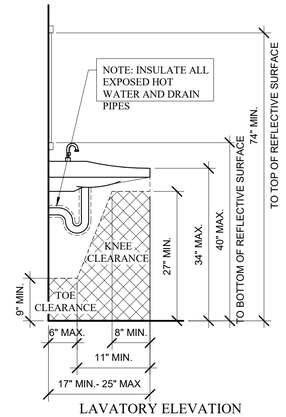



TOILET STALL PLANS

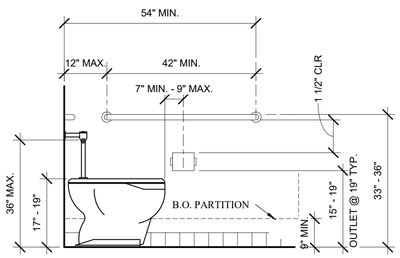


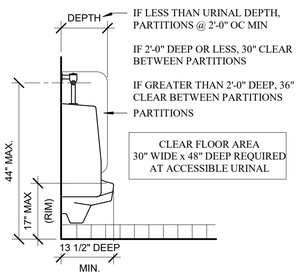

GRAB BAR



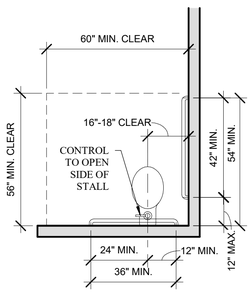

LAVATORY ELEVATION



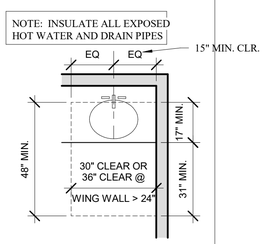

TOILET ELEVATION




URINAL ELEVATION




TOILET ROOM PLANS




LAVATORY PLAN

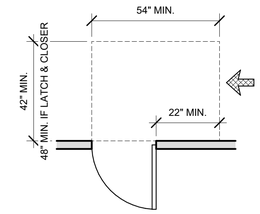
NOTES

1. CONTRACTOR TO NOTIFY ARCHITECT OF ANY CONFLICT BETWEEN THIS SHEET AND THE DRAWINGS OR SPECIFICATIONS PRIOR TO INSTALLATION.

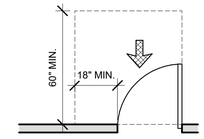
2. INFORMATION APPEARING ON THIS SHEET IS FOR ILLUSTRATION ONLY. CONTRACTOR TO VERIFY CONFORMANCE TO CONSTRUCTION DOCUMENTS, CURRENT ADOPTED TEXAS ACCESSIBILTY CODE FOR BUILDING CONSTRUCTION AND A.D.A. NOTIFY ARCHITECT IF CONFLICT OCCURS.

3. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ACTUAL DESIGN AND CONFIGURATIONS.

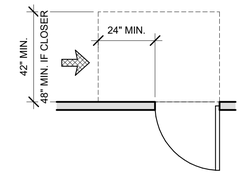
4. ALL DIMENSIONS ON THIS SHEET ARE TO FACE OF FINISH.



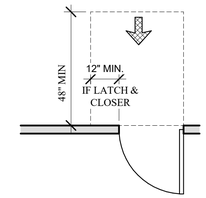

HINGE SIDE APPROACH




FRONT APPROACH

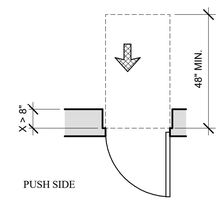



LATCH SIDE APPROACH

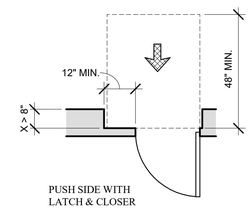



FRONT APPROACH

PUSH SIDE CLEAR FLOOR SPACE

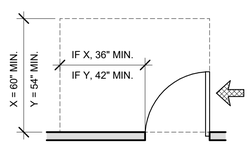



PUSH SIDE

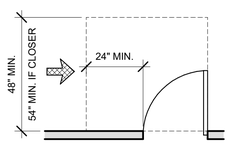



PUSH SIDE WITH LATCH & CLOSER

RECESSED DOORS & GATES

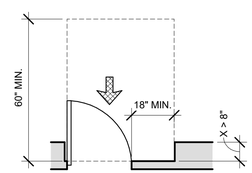



HINGE SIDE APPROACH

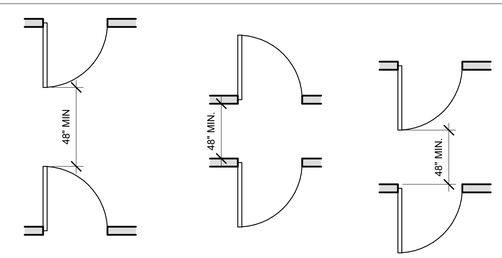



LATCH SIDE APPROACH

PULL SIDE




PULL SIDE




CLEAR FLOOR SPACE AT SERIES OF DOORS

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

REGISTERED ARCHITECT TRINH QUOC TEN TRAN 20594 STATE OF TEXAS

19JUL21


ATKINS
11801 Domain Blvd., Suite 500 -
Austin TX 78758 - (512) 327-6840


AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/C Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | |
|---|---|---|---|---|
| DRAWN BY: ON | | | | |
| CHECKED BY: BH | | | | |
| COORD. CHECK: TT / KP | | | | |
| FILE NAME: L13189.026-GI-0-02.dwg | | | | |
| DATE: 02AUG21 | | | | |
| SCALE: 3/8" = 1'-0" | No. | Date | Description | By |

KEY MAP

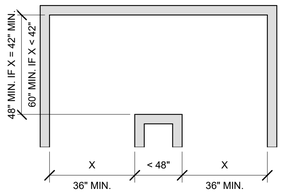
SECTOR J3

DRAWING DESCRIPTION:

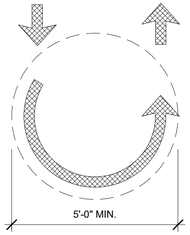
**ACCESSIBILITY REQUIREMENTS**

SHEET NO.

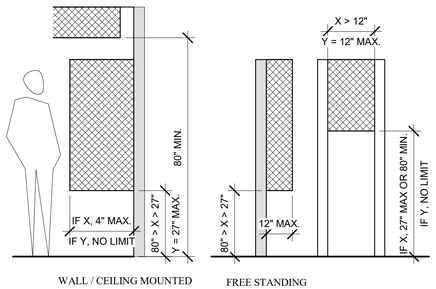
**GI-0-02**




TURN AROUND OBSTRUCTION

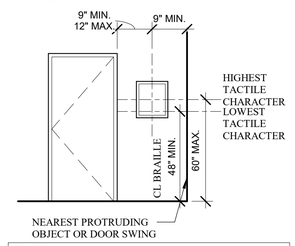



TURN AROUND SPACE




PROTRUSIONS / OVERHANGS

# SIGNAGE




NOTE:
1. SIGN TO BE LOCATED ON LATCH SIDE OF DOOR OR NEAREST ADJACENT WALL. AT DOUBLE DOORS, SIGN TO BE LOCATED AT THE RIGHT SIDE OF THE DOUBLE DOORS. 2. 18" X 18" CLR FLOOR SPACE CENTERED ON SIGNAGE

# NOTES

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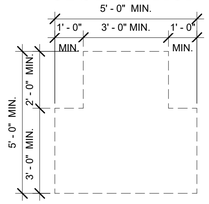
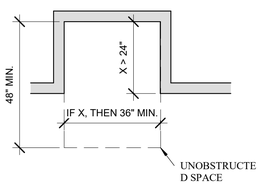
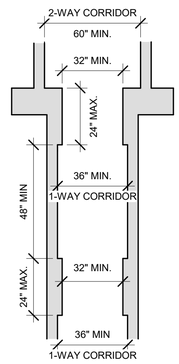
# ACCESSIBILITY



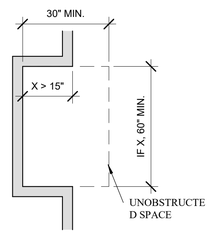

T-INTERSECTION FOR TURN AROUND



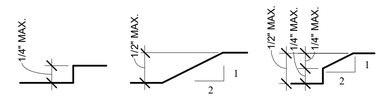

FORWARD APPROACH




MINIMUM PASSAGE WIDTHS

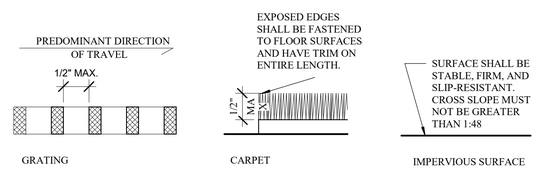



SIDE APPROACH

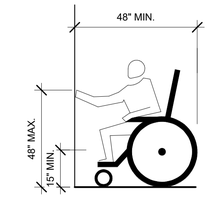



ELEVATION CHANGE

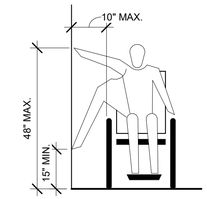
NOTE: ELEVATION CHANGES GREATER THAN 1/2" CHANGE SHALL BE RAMPED.



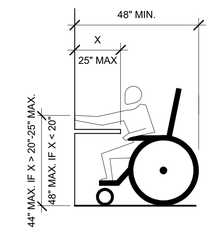

GROUND SURFACES



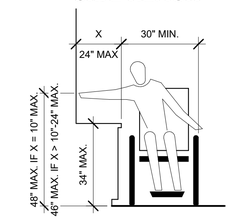

UNOBSTRUCTED FORWARD REACH




UNOBSTRUCTED HIGH AND LOW SIDE REACH

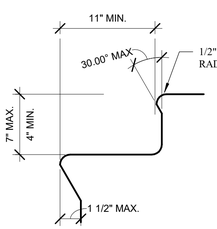



MAXIMUM FRONT REACH OVER AN OBSTRUCTION

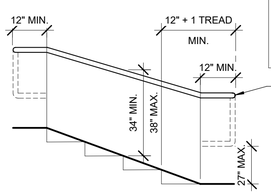



MAXIMUM SIDE REACH OVER AN OBSTRUCTION

# STAIRS, RAMPS & HANDRAILS




TYPICAL STAIR

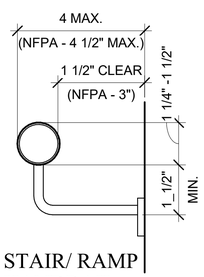



END OF RAIL AT TOP & BOTTOM OF STAIRS & RAMPS SHALL BE ROUNDED AND SMOOTHLY RETURNED TO WALL, FLOOR, OR POST.

TYPICAL RAIL

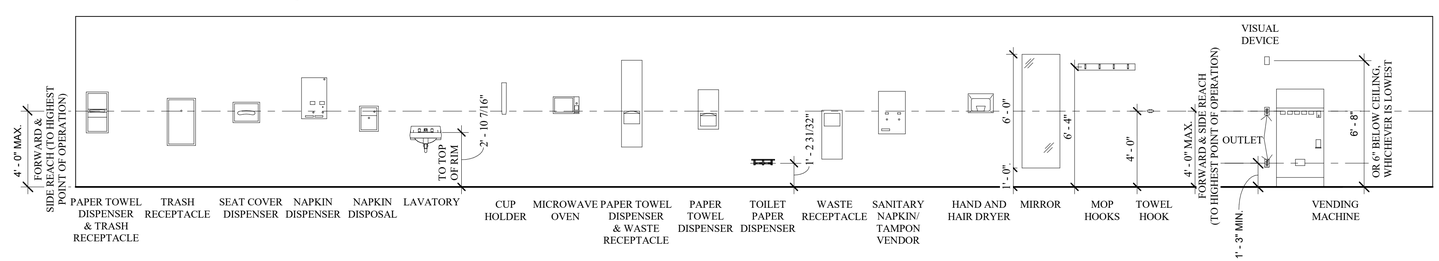
NOTE:
HANDRAILS SHALL BE PLACED ON BOTH SIDES OF RAMP AND STAIRS. INSIDE HANDRAIL ON SWITCHBACK OR DOGLEG RAMPS SHALL BE CONTINUOUS.

NOTE: HANDRAILS ARE REQUIRED ON RAMP RUNS WITH A RISE GREATER THAN 6 INCHES. 2014 F.A.C. 505.1 ADVISORY




STAIR/ RAMP HANDRAIL CLEARANCES

# FIXTURE & EQUIPMENT MOUNTING HEIGHTS

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19JUL21


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Austin TX 78758 - (512) 327-6840


AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN, AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | |
|---|---|---|---|---|
| DRAWN BY: ON | | | | |
| CHECKED BY: BH | | | | |
| COORD. CHECK: TT / KP | | | | |
| FILE NAME: L13189.026-GI-0-03.dwg | | | | |
| DATE: 02AUG21 | | | | |
| SCALE: As indicated | No. | Date | Description | By |

KEY MAP

SECTOR J3

DRAWING DESCRIPTION:

**ACCESSIBILITY REQUIREMENTS**

SHEET NO.

**GI-0-03**

## DRAWING SYMBOLS LEGEND

- A#A#A — WALL TYPE
- 101 — DOOR/OPENING
- 1t — WINDOW / LOUVER
- 1t — CURTAIN WALL
- XXXX.# — TOILET ACCESSORIES
- 0 — GRID LINE
- ROOM NAME 101 — ROOM
- Name Elevation — LEVEL / ELEVATION
- ℄ — CENTER-LINE
- 1 — REVISION
- A# A-101 — EXTERIOR ELEVATION
- 1 A-101 — INTERIOR ELEVATION

ALL DETAIL IDENTIFIERS:
TOP NUMBER INDICATES DETAIL NUMBER;
BOTTOM NUMBER INDICATES SHEET NUMBER;
SIM INDICATES SIMILAR CONDITION

- 1 A101 — BUILDING SECTION
- 1 A101 — WALL SECTION
- 1 A101 — DETAIL
- SPOT ELEVATION
- C1 — View Name, 1/8" = 1'-0", DRAWING
- BREAK LINE INDICATOR

## GENERAL ABBREVIATIONS

| | |
|---|---|
| AFF | ABOVE FINISH FLOOR |
| ACT | ACOUSTIC CEILING TILE |
| ALT | ALTERNATE |
| ALUM | ALUMINUM |
| ADA | AMERICANS WITH DISABILITIES ACT |
| APPROX | APPROXIMATE |
| ARCH | ARCHITECT/ARCHITECTURAL |
| @ | AT |
| AVG | AVERAGE |
| BD | BOARD |
| BLDG | BUILDING |
| CR | CARD READER |
| CPT | CARPET |
| CLG | CEILING |
| CL | CENTER LINE |
| CT | CERAMIC TILE |
| CLR | CLEAR |
| COL | COLUMN |
| CMU | CONCRETE MASONRY UNIT |
| CMR | CONSTRUCTION MANAGER AT RISK |
| CJ | CONTROL JOINT |
| CONT | CONTINUOUS |
| CORR | CORRIDOR |
| CPCI | CONTRACTOR PROVIDED, CONTRACTOR INSTALLED |
| CF | CUBIC FEET |
| CY | CUBIC YARD |
| DEG | DEGREE |
| DEMO | DEMOLITION |
| DTL | DETAIL |
| DIAG | DIAGONAL |
| DIA | DIAMETER |
| DIM | DIMENSION |
| DS | DOWNSPOUT |
| (E) | EXISTING TO REMAIN |
| EA | EACH |
| EWC | ELECTRIC WATER COOLER |
| ELEC | ELECTRICAL |
| ELEV | ELEVATOR |
| ELEV | ELEVATION |
| EQ | EQUAL |
| EQUIP | EQUIPMENT |
| EXIST | EXISTING |
| EXP | EXPANSION |
| EJ | EXPANSION JOINT |
| EXT | EXTERIOR |
| FT | FEET |
| FF | FINISH FLOOR |
| FEC | FIRE EXTINGUISHER CABINET |
| FLEX | FLEXIBLE |
| FLR | FLOOR |
| FD | FLOOR DRAIN |
| FO | FACE OF |
| FURN | FURNITURE/FURNISHINGS |
| GALV | GALVANIZED |
| GA | GAUGE |
| GC | GENERAL CONTRACTOR |
| GOV | GOVERNMENT |
| GMP | GUARANTEED MAXIMUM PRICE |
| GYP | GYPSUM |
| GB | GYPSUM BOARD |
| HC | HOLLOW CORE |
| HDW | HARDWARE |
| HDWD | HARDWOOD |
| HAZ-MAT | HAZARDOUS MATERIALS |
| HVAC | HEATING, VENTING, AIR CONDITIONING |
| HGT | HEIGHT |
| HM | HOLLOW METAL |
| HORIZ | HORIZONTAL |
| INCL | INCLUDED, INCLUDING |
| INFO | INFORMATION |
| ID | INSIDE DIMENSION |
| INSUL | INSULATION |
| IGU | INSULATED GLAZING UNIT |
| IMP | INSULATED METAL PANEL |
| INT | INTERIOR |
| JT | JOINT |
| LAB | LABORATORY |
| LAM | LAMINATE |
| LAV | LAVATORY |
| LOC | LIMITS OF CONSTRUCTION |
| LF | LINEAR FOOT |
| MFR | MANUFACTURER |
| MO | MASONRY OPENING |
| MATL | MATERIAL |
| MAX | MAXIMUM |
| MPT | MAXIMUM PATH OF TRAVEL |
| MECH | MECHANICAL |
| MEP | MECHANICAL, ELECTRICAL, PLUMBING |
| MIN | MINIMUM |
| MISC | MISCELLANEOUS |
| NIC | NOT IN CONTRACT |
| NTS | NOT TO SCALE |
| OC | ON CENTER |
| OPCI | OWNER PROVIDED, CONTRACTOR INSTALLED |
| OPNG | OPENING |
| OPP | OPPOSITE |
| OPOI | OWNER PROVIDED, OWNER INSTALLED |
| OH | OPPOSITE HAND |
| OD | OUTSIDE DIAMETER, OVERFLOW DRAIN |
| PKG | PACKAGE |
| PERIM | PERIMETER |
| PRC | PICKLE RESEARCH CAMPUS |
| PLAM | PLASTIC LAMINATE |
| PLYWD | PLYWOOD |
| PT | POINT |
| LBS | POUND |
| PSF | POUND PER SQUARE FOOT |
| PSI | POUND PER SQUARE INCH |
| PREP | PREPARATION |
| PL | PROPERTY LINE |
| PEMB | PRE ENGINEERED METAL BUILDING |
| PREFAB | PREFABRICATED |
| PREFIN | PREFINISHED |
| QTY | QUANTITY |
| QT | QUARRY TILE |
| R | RADIUS |
| RE | REFERENCE |
| REBAR | REINFORCING BAR |
| REINF | REINFORCING |
| REQ | REQUIRED |
| RD | ROOF DRAIN |
| RO | ROUGH OPENING |
| SCHED | SCHEDULE |
| SECT | SECTION |
| SIM | SIMILAR |
| SS | STAINLESS STEEL |
| ST | STEEL |
| SQ | SQUARE |
| SF | SQUARE FEET |
| SY | SQUARE YARD |
| STD | STANDARD |
| STRUCT | STRUCTURAL |
| SUSP | SUSPENDED |
| SYS | SYSTEM |
| TAS | TEXAS ACCESSIBILITY STANDARD |
| TLT | TOILET |
| TYP | TYPICAL |
| UL | UNDERWRITERS LABORATORIES |
| UNO | UNLESS NOTED OTHERWISE |
| UT | UNIVERSITY OF TEXAS |
| VERT | VERTICAL |
| VEST | VESTIBULE |
| VCT | VINYL COMPOSITION TILE |
| VIF | VERIFY IN FIELD |
| VWC | VINYL WALL COVERING |
| W/ | WITH |
| W/O | WITHOUT |
| YD | YARD |

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REGISTERED ARCHITECT THINH QUOC TED TRAN 20944 STATE OF TEXAS

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No:00000 AIP/C-Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | |
|---|---|
| DRAWN BY: | ON |
| CHECKED BY: | BH |
| COORD. CHECK: | TT / KP |
| FILE NAME: | L13189.026-GI-0-04.dwg |
| DATE: | 02AUG21 |
| SCALE: | As indicated |

| No. | Date | Description | By |
|---|---|---|---|

KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**SYMBOL LEGEND GENERAL ABBREVIATIONS**

SHEET NO.

**GI-0-04**

## EGRESS TRAVEL DISTANCES - WAREHOUSE

| EXIT ROUTE ID | EXIT ACCESS TRAVEL DISTANCE | MAXIMUM ALLOWABLE |
|---|---|---|
| 116 - COMMON PATH | 63' - 4 1/8" | 75' - 0" |
| 116 - MAXIMUM PATH | 110' - 11 3/32" | 250' - 0" |
| 120 - COMMON PATH | 69' - 11 7/8" | 75' - 0" |
| 120 - MAXIMUM PATH | 99' - 6 15/16" | 250' - 0" |
| 124 - COMMON PATH | 57' - 7 1/8" | 75' - 0" |
| 124 - MAXIMUM PATH | 140' - 0 27/32" | 250' - 0" |
| 150A - COMMON PATH | 75' - 0" | 75' - 0" |
| 150A - MAXIMUM PATH | 244' - 0 3/4" | 250' - 0" |
| 150B - COMMON PATH | 75' - 0" | 75' - 0" |
| 150C - COMMON PATH | 71' - 9 17/32" | 75' - 0" |
| 150C- MAXIMUM PATH | 147' - 2 19/32" | 250' - 0" |
| 150E - MAXIMUM PATH | 166' - 10 1/4" | 250' - 0" |
| 150F - MAXIMUM PATH | 155' - 0 5/16" | 250' - 0" |
| 151 - COMMON PATH | 86' - 3" | 100' - 0" |
| 151 - MAXIMUM PATH | 161' - 2 1/2" | 250' - 0" |

## OCCUPANCY SCHEDULE

| ROOM NO. | ROOM NAME | AREA | OCCUPANCY TYPE | SF PER OCC | OCCUPANT COUNT |
|---|---|---|---|---|---|
| 103 | DRIVER LOUNGE | 262 SF | ASSEMBLY | 15 | 17.5 |
| 117 | TRAINING | 292 SF | ASSEMBLY | 15 | 19.5 |
| 124 | BREAK ROOM | 2904 SF | ASSEMBLY | 15 | 193.6 |
| ASSEMBLY | | | | | 230.5 |
| 101 | SOUTH ENTRY | 442 SF | BUSINESS | 100 | 4.4 |
| 105 | CORRIDOR 1 | 392 SF | BUSINESS | 100 | 3.9 |
| 106 | OPEN OFFICE | 702 SF | BUSINESS | 100 | 7.0 |
| 107 | OFFICE 4 | 106 SF | BUSINESS | 100 | 1.1 |
| 108 | OFFICE 3 | 106 SF | BUSINESS | 100 | 1.1 |
| 109 | OFFICE 2 | 106 SF | BUSINESS | 100 | 1.1 |
| 110 | OFFICE 1 | 106 SF | BUSINESS | 100 | 1.1 |
| 111 | OFFICE 5 | 108 SF | BUSINESS | 100 | 1.1 |
| 112 | OFFICE 6 | 108 SF | BUSINESS | 100 | 1.1 |
| 113 | OFFICE 7 | 108 SF | BUSINESS | 100 | 1.1 |
| 114 | OFFICE 8 | 97 SF | BUSINESS | 100 | 1.0 |
| 116 | OFFICE 9 | 108 SF | BUSINESS | 100 | 1.1 |
| 118 | EAST ENTRY | 422 SF | BUSINESS | 300 | 1.4 |
| 119 | HALLWAY 1 | 572 SF | BUSINESS | 100 | 5.7 |
| 122 | STORAGE | 124 SF | BUSINESS | 50 | 2.5 |
| BUSINESS | | | | | 34.5 |

## OCCUPANCY SCHEDULE

| ROOM NO. | ROOM NAME | AREA | OCCUPANCY TYPE | SF PER OCC | OCCUPANT COUNT |
|---|---|---|---|---|---|
| 102 | F.R. | 136 SF | EQUIPMENT | 300 | 0.5 |
| 125 | MECH. ROOM | 332 SF | EQUIPMENT | 300 | 1.1 |
| 126 | COMM. | 116 SF | EQUIPMENT | 300 | 0.4 |
| 127 | ELEC. 1 | 58 SF | EQUIPMENT | 300 | 0.2 |
| 128 | ELEC. 2 | 38 SF | EQUIPMENT | 300 | 0.1 |
| EQUIPMENT | | | | | 2.3 |
| 123 | JAN. 1 | 58 SF | STORAGE | 300 | 0.2 |
| 129 | HALLWAY 2 | 106 SF | STORAGE | 300 | 0.4 |
| 130 | JAN. 2 | 42 SF | STORAGE | 300 | 0.1 |
| 131 | CAGE 1 | 100 SF | STORAGE | 300 | 0.3 |
| 133 | CAGE 2 | 100 SF | STORAGE | 300 | 0.3 |
| 134 | CAGE 3 | 100 SF | STORAGE | 300 | 0.3 |
| 150 | TRANSFER SPACE | 63552 SF | STORAGE | 300 | 211.8 |
| 151 | LEASE AREA | 13958 SF | STORAGE | 300 | 46.5 |
| STORAGE | | | | | 260.1 |
| 104 | R.R. | 59 SF | TOILETS | | |
| 120 | WOMEN | 207 SF | TOILETS | | |
| 121 | MEN | 206 SF | TOILETS | | |
| 131 | WOMEN | 156 SF | TOILETS | | |
| 132 | MEN | 105 SF | TOILETS | | |
| TOILETS | | | | | 0.0 |

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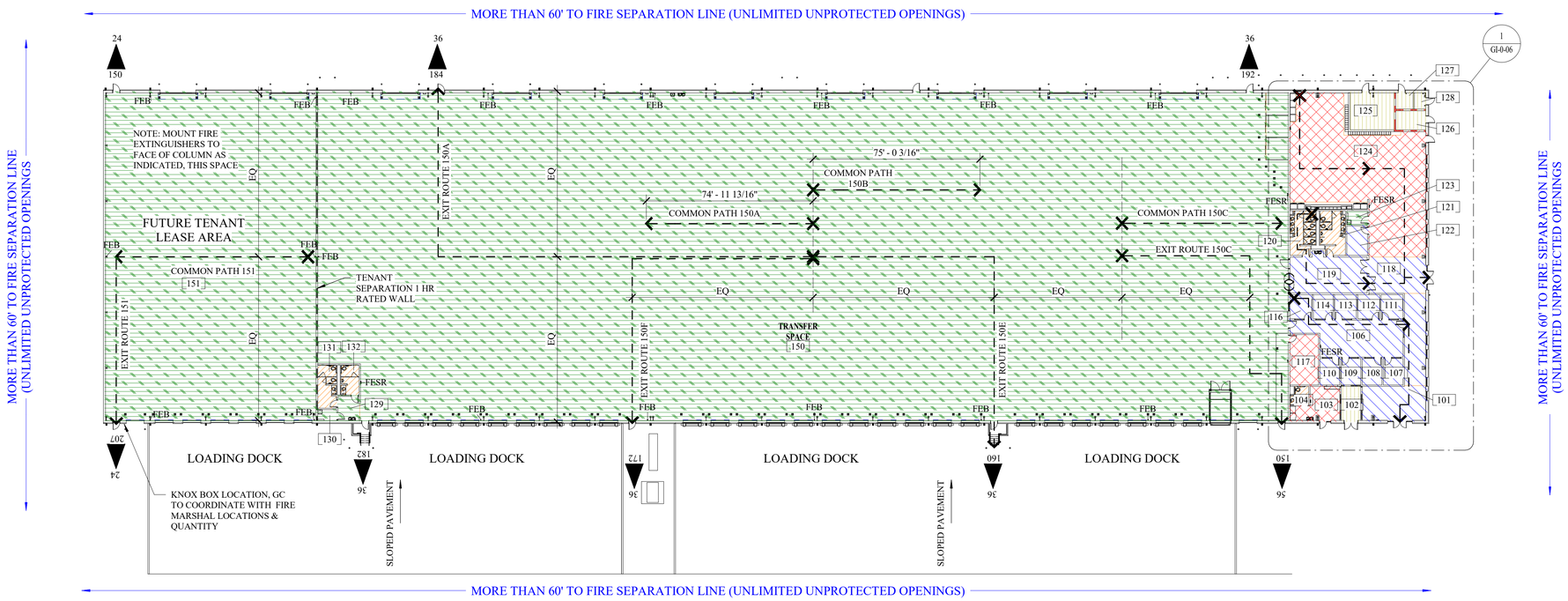



## 1 LIFE SAFETY PLAN - WAREHOUSE - FIRST FLOOR

1" = 30'-0"

## EGRESS CAPACITY

| EXIT | OCCUPANTS USING EXIT | ALLOWABLE OCCUPANTS AT EXIT | REQUIRED WIDTH FOR OCCUPANTS USING EXIT | ACTUAL WIDTH OF EXIT | MINIMUM CODE WIDTH OF EXIT COMPONENT |
|---|---|---|---|---|---|
| 150 | 24 | 240 | 0' - 4" | 3' - 0" | 2' - 8" |
| 150 | 56 | 240 | 0' - 9" | 3' - 0" | 2' - 8" |
| 160 | 36 | 240 | 0' - 6" | 3' - 0" | 2' - 8" |
| 172 | 36 | 240 | 0' - 6" | 3' - 0" | 2' - 8" |
| 182 | 36 | 240 | 0' - 6" | 3' - 0" | 2' - 8" |
| 184 | 36 | 240 | 0' - 6" | 3' - 0" | 2' - 8" |
| 192 | 36 | 240 | 0' - 6" | 3' - 0" | 2' - 8" |
| 207 | 24 | 240 | 0' - 4" | 3' - 0" | 2' - 8" |

**FIRE EXTINGUISHER LEGEND**

FEB - BRACKET MOUNTED

FESR - SEMI-RECESSED WALL MOUNTED

**EGRESS PATH LEGEND**

EGRESS PATH, TYPICAL

EGRESS ROUTE ID — 150A

EGRESS LOCATION

NUMBER OF OCCUPANTS AT EXIT DISCHARGE — 24

PLAN NORTH

0' 30' 60' 90' 120'

SCALE: 1"=30'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

**OCCUPANCY FUNCTION**

- ASSEMBLY
- BUSINESS
- CIRCULATION
- EQUIPMENT
- LOCKERS
- STORAGE
- TOILETS

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | |
|---|---|
| DRAWN BY: | ON |
| CHECKED BY: | BH |
| COORD. CHECK: | TT / KP |
| FILE NAME: | L13189.026-GI-0-05.dwg |
| DATE: | 02AUG21 |
| SCALE: | As indicated |

| No. | Date | Description | By |
|---|---|---|---|

KEY MAP — A B C — SECTOR J3

DRAWING DESCRIPTION:

**LIFE SAFETY-FLOOR PLAN**

SHEET NO.

**GI-0-05**

| ABIA - Cargo Transfer Facility | IBC Requirements | IBC Section |
|---|---|---|
| CODES: 2015 International Building Code with City of Austin Amendments | | |
| **OCCUPANCY TYPES** | | |
| Separation of Occupancies | Mixed Use, Nonseparated | 508.3 |
| Occupancy Classifications | B Business (Offices) | 304 |
| | S-1 Storage, Moderate Hazard | 311.2 |
| **CONSTRUCTION TYPE** | IIB | |
| Structural frame, interior walls, floor, and roof construction | 0-hour | T601 |
| Exterior walls, when set minimum 10' from fire separation line | 0-hour | T602 |
| Fire Barriers | 1-hour Tenant separation walls | 402.4.2.1, 708.3 |
| | | |
| **Sprinklers and Fire Alarms** | Provided for square footage compliance | |
| Sprinkler Increase | S-1, S1, increase allowed | T506.2 |
| **Square Footage** | Based on S-1, most stringent | |
| Base Allowable, per level | 17,500 square feet | T506.2 |
| Sprinkler Increase | S-1, S1, increase allowed, 70,000 Square feet | T506.2 |
| Frontage Increase | Per equation 506.3.2 & 506.3.3 Area factor increase is .75 (70,000 SF) = 52,500 SF | 506.3 |
| Total Allowable | 70,000 SF + 52,500 SF = 122,500 SF | T506.2 |
| Actual Square Footage | 90,000 square feet | |
| | | |
| **Building Height** | | |
| Base Allowable | 55 feet | T504.3 |
| Sprinkler Increase | S-1, S, increase allowed to 75 feet | T504.3 |
| Total Allowable Height | 3 stories | T505.4 |
| Anticipated Height | 1 story, 33 feet | |
| **Maximum Area of Unprotected Openings in Exterior Walls in Sprinkled Building** | No Limit, fire separation distance is >20 ft for unprotected, sprinklered (UP,S) | T705.8 |
| 10 feet to less than 15 feet from Building Separation Line | 45% | |
| 15 feet to less than 20 feet from Building Separation Line | 75% | |
| Over 20 feet from Building Separation Line | No limit | |
| **TRAVEL DISTANCES IN SPRINKLED BUILDINGS** | | |
| Common Path of Travel | | T1006.2.1 |
| Common Path of Travel, Assembly | 75 feet | |
| Common Path of Travel, Business | 100 feet (75' due to non separated occ - most stringent distance applied) | |
| Common Path of Travel, Storage | 100 feet at Lease Space (75' at Transfer Space due to non separated occ - most stringent distance applied) | |
| Maximum Path of Travel | | T1017.2 |
| Maximum Path of Travel, Assembly | 250 feet | |
| Maximum Path of Travel, Business | 300 feet (250' due to non separated occ - most stringent distance applied) | |
| Maximum Path of Travel, S-1 Storage | 250 feet | |
| Dead End Corridors | | 1020.4-AUS |
| Dead End Corridors, Business | 50 feet | |
| Dead End Corridors, Storage | 50 feet | |
| **EXITS** | | |
| **Spaces with One Exit, Occupant Load** | Business - 49 occupants max (35 occ thus 1 exit min required. 2 provided.) | T1006.2.1 |
| | Storage - 29 occupants max (214 occ thus two exits min. required. 5 provided) | |
| **Spaces with Two Exit, Occupant Load** | Assembly - 49 occupants max (192 occupants thus two exits min. requried. 2... | |
| **Corridor / Stair Widths** | | |
| Minimum Width, less than 50 occupants | 36 inches | T1020.2, 1005.3.1 |
| Minimum Width, 50 occupants or more | 44 inches | T1020.2, 1005.3.1 |
| Stairs width, inches per occupant, minimum | 48 inches | 1009.3x2-AUS |
| Level Components, inches per occupant, minimum | 0.15 for egress capacity factor for sprinklered facility | 1005.3.1x1 |
| **Illumination** | | |
| Means of Egress Illumination | Means of egress shall be illuminated when occupied. | 1008.2 |
| **FIRE RATINGS** | | |
| **Corridors in Sprinkled Buildings** | Business: 0-hour | T1020.1 |
| | Assembly: 0-hour, Storage: 0-hour | |
| **Exterior Exit Stairways & Ramps** | | |
| Open side | Exit stairways are open on 3 sides | 1023.2 |
| **Fire Extinguisher** | | |
| Fire Classifications | Business/Assembly: A | NFPA 10 - 5.5 |
| Fire Classifications | Storage: A/B | |
| Fire Classifications | Electrical: C | |
| Hazard Rating | Extra Hazard | NFPA 10 - 5.4.1.3 |
| Extinguisher Types / Quantities | 4-A/40-B minimum extinguisher, with C at electrical rooms | NFPA 10... |
| | Maximum 1,000 square feet per unit of A. | |
| | Maximum 11,250 square feet per extinguisher. | |
| Maximum Travel | Class A Hazards: 75 feet. | NFPA 10 - T6.2.1.1 T6.3.1.1,... |
| | Class B Hazards: 30 feet for 40-B, 50 feet for 80-B extinguishers. | |
| | Class C: Comply with Class A and B. | |

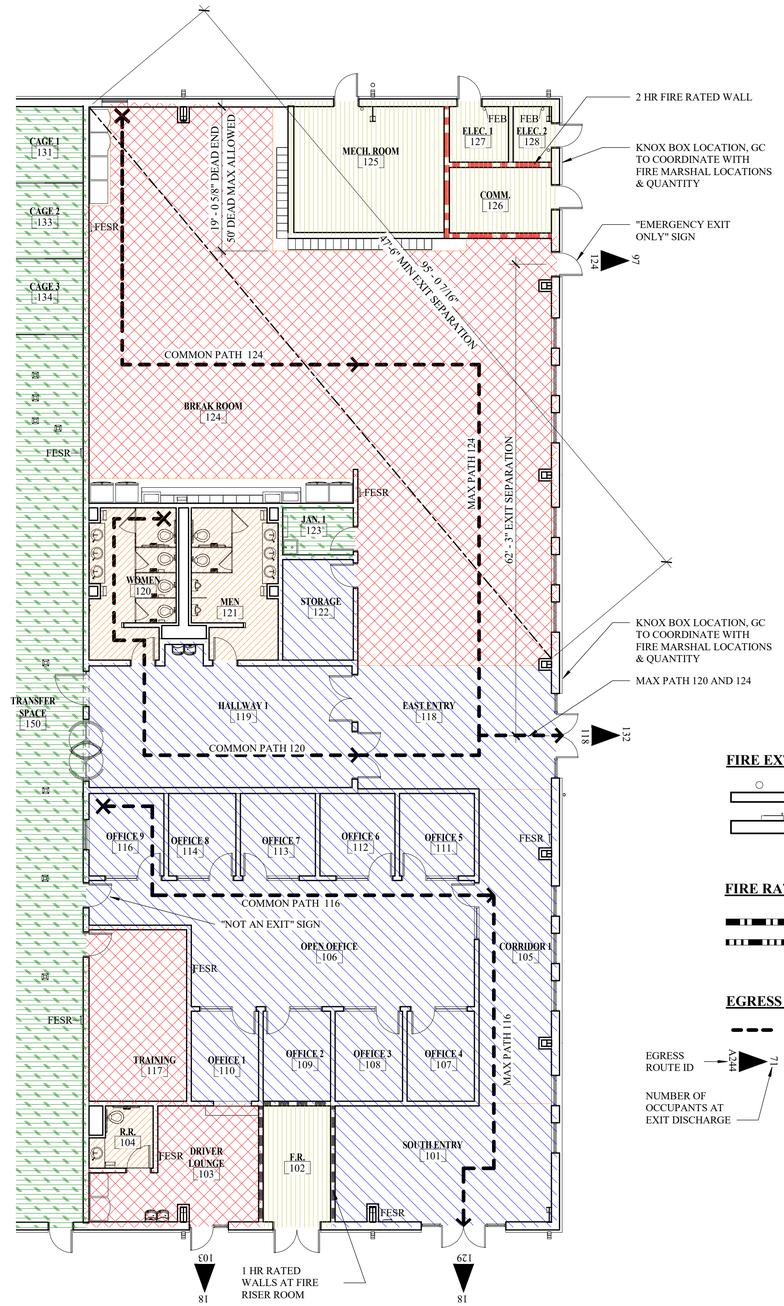
PLUMBING FIXTURE CALCULATIONS
CALCULATED PER 2015 UNIFORM PLUMBING CODE WITH AUSTIN AMENDMENTS

| | OCCUPANT COUNT | | | MEN | | | WOMEN | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL | MEN | WOMEN | WATER CLOSETS | URINALS | LAVATORIES | WATER CLOSETS | LAVATORIES | DRINKING FOUNTAINS | SERVICE SINK |
| WAREHOUSE STORAGE (S1) | 221 | 110 | 110 | 2 | - | 2 | 2 | 2 | 1 | 1 |
| BUSINESS (B) | 38 | 19 | 19 | 1 | - | 1 | 1 | 1 | 1 | 1 |
| ASSEMBLY (A-3) | 192 | 96 | 96 | 1 | - | 1 | 2 | 1 | 1 | 1 |
| **TOTAL REQUIRED** | - | - | - | **4** | - | **4** | **5** | **4** | **3** | **3** |
| | | | | | | | | | | |
| **TOTAL PROVIDED*** | - | - | - | **4*** | **3** | **5*** | **6** | **4** | **4** | **3** |

Notes: *1 UNISEX RESTROOM PROVIDED AT DRIVER LOUNGE

EGRESS CAPACITY - OFFICE AREAS

| EXIT NAME | OCCUPANTS USING EXIT | ALLOWABLE OCCUPANTS AT EXIT | REQUIRED WIDTH FOR OCCUPANTS USING EXIT | ACTUAL WIDTH OF EXIT | MINIMUM CODE WIDTH OF EXIT COMPONENT |
|---|---|---|---|---|---|
| 103 | 18 | 240 | 0' - 3" | 3' - 0" | 2' - 8" |
| 118 | 132 | 480 | 1' - 8" | 6' - 0" | 2' - 8" |
| 124 | 97 | 240 | 1' - 3" | 3' - 0" | 2' - 8" |
| 129 | 18 | 480 | 0' - 3" | 6' - 0" | 2' - 8" |




1 LIFE SAFETY PLAN - OFFICE AREAS
1" = 10'-0"

**FIRE EXTINGUISHER LEGEND**

FEB - BRACKET MOUNTED

FESR - SEMI-RECESSED WALL MOUNTED

**FIRE RATING LEGEND**

1 HOUR

2 HOUR

**EGRESS PATH LEGEND**

EGRESS PATH, TYPICAL

EGRESS ROUTE ID — A34

EGRESS LOCATION — 71

NUMBER OF OCCUPANTS AT EXIT DISCHARGE

PLAN NORTH

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

REGISTERED ARCHITECT — THIEU QUOC TED TRAN — 20594 — STATE OF TEXAS

19JUL21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Austin TX 78758 - (512) 327-6840


**OCCUPANCY FUNCTION**

- ASSEMBLY
- BUSINESS
- CIRCULATION
- EQUIPMENT
- LOCKERS
- STORAGE
- TOILETS

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/C Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | |
|---|---|
| DRAWN BY: | ON |
| CHECKED BY: | BH |
| COORD. CHECK: | TT / KP |
| FILE NAME: | L13189.026-GI-0-06.dwg |
| DATE: | 02AUG21 |
| SCALE: | As indicated |

| No. | Date | Description | By |
|---|---|---|---|

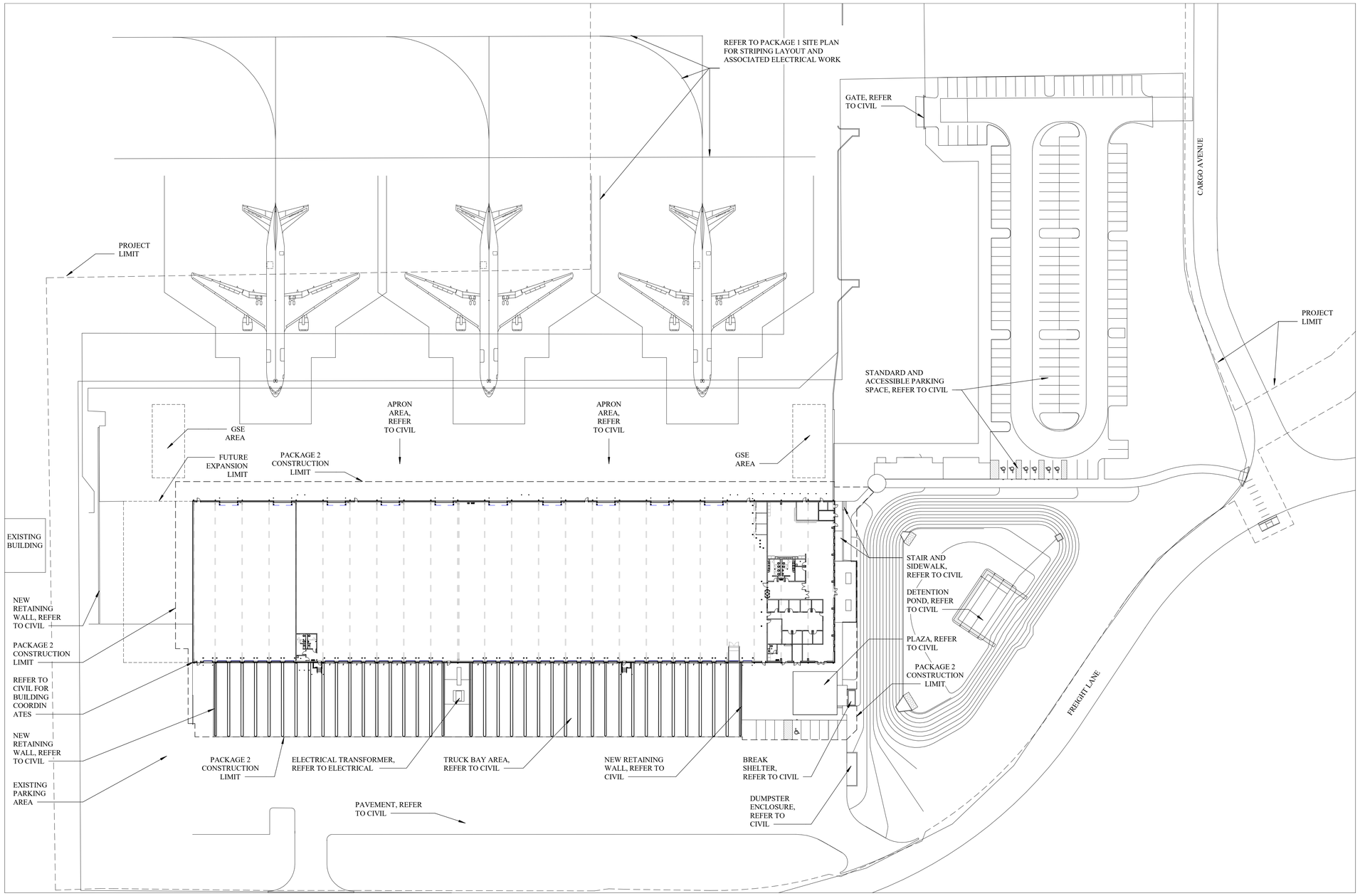
KEY MAP — C — SECTOR J3

DRAWING DESCRIPTION:

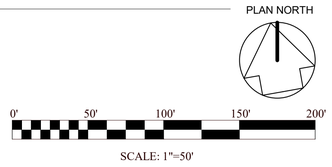
**LIFE SAFETY-CODE REVIEW**

SHEET NO.

**GI-0-06**




1 ARCHITECTURE SITE PLAN
1" = 50'-0"




SCALE: 1"=50'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

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GENERAL NOTES:
1. DESIGN PACKAGE 1 IS INCLUSIVE OF OVERALL SITE IMPROVEMENTS.

2. DESIGN PACKAGE 2 IS INCLUSIVE OF BUILDING AND ADJACENT SITE IMPROVEMENTS.

3. THIS DRAWING IS FOR OVERALL SITE COORDINATION OF COMPLETED PROJECT. REFERENCE BOTH CONSTRUCTION DESIGN SETS FOR ALL INFORMATION

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

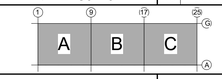
ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | |
|---|---|
| DRAWN BY: | ON |
| CHECKED BY: | BH |
| COORD. CHECK: | TT / KP |
| FILE NAME: | L13189.026-A-1-01.dwg |
| DATE: | 02AUG21 |
| SCALE: | 1" = 50'-0" |

| No. | Date | Description | By |
|---|---|---|---|

KEY MAP



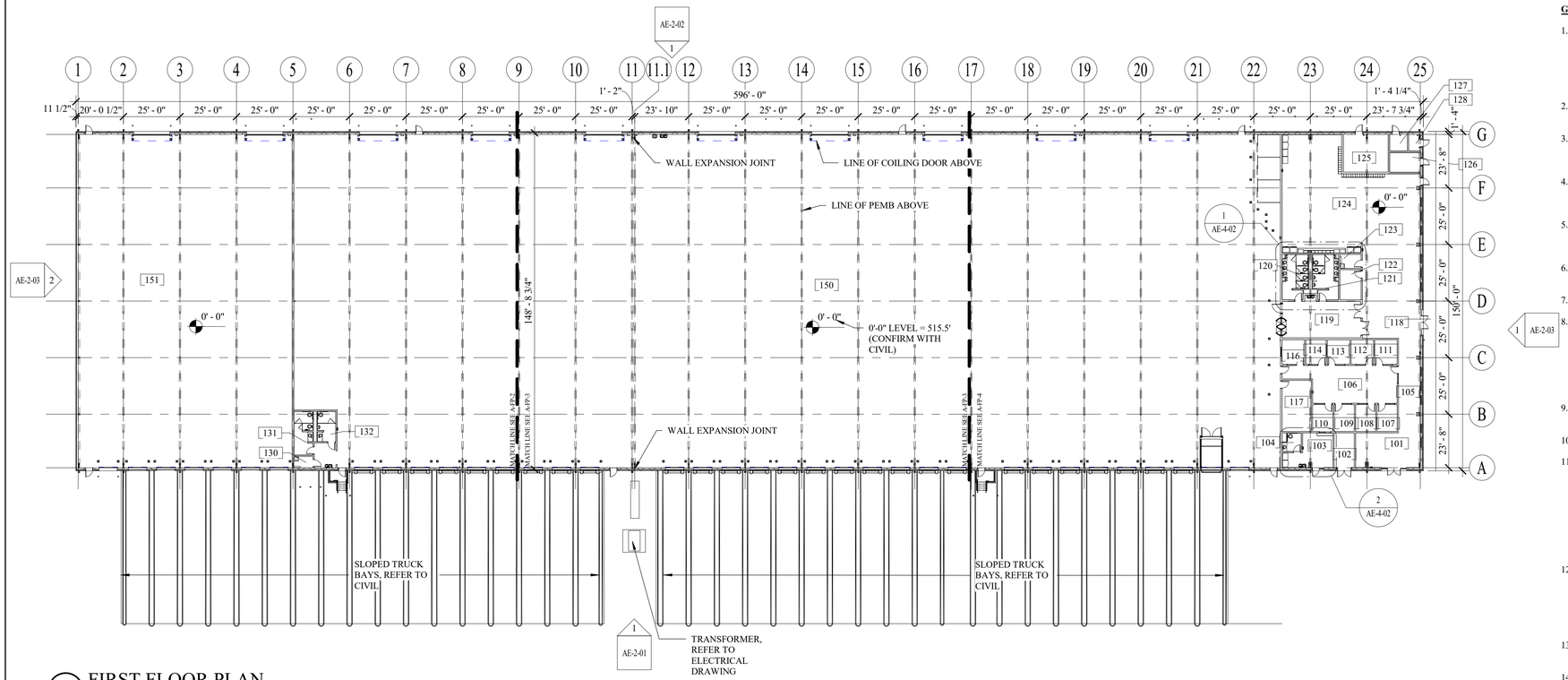

SECTOR J3

DRAWING DESCRIPTION:

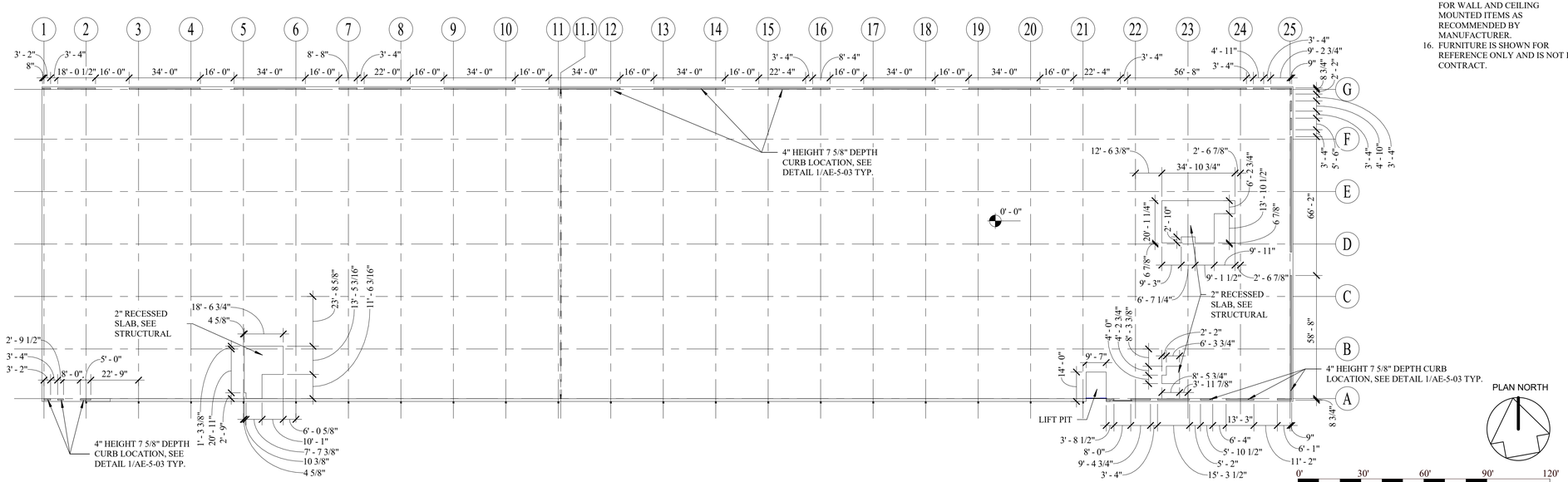
**ARCHITECTURAL SITE PLAN**

SHEET NO.

**A-1-01**




1 FIRST FLOOR PLAN
1" = 30'-0"




2 FOUNDATION FORMING PLAN - CURB LOCATION AND LIFT PIT
1" = 30'-0"

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

**GENERAL PLAN NOTES**

1. PACKAGE 2 CONCTRACTOR TO VALIDATE AND ACCEPT BUILDING PAD BUILT IN PACKAGE 1 IS ACCEPTABLE AND AS DESIGNED PER THE GEOTECHNICAL REPORT AND STRUCTURAL DESIGN.
2. REFER TO SHEET G1-0-04 FOR ARCHITECTURAL SYMBOL LEGEND AND ABBREVIATIONS.
3. REFER TO CIVIL DRAWINGS FOR SITE INFORMATION, BUILDING LOCATION AND FINISH FLOOR ELEVATION.
4. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR EQUIPMENT AND LIGHTING SCHEDULES.
5. REFER TO PARTITION TYPE SCHEDULE (AE-6-02) AND LIFE SAFETY PLANS FOR REQUIRED FIRE RATINGS.
6. REFER TO LIFE SAFETY PLANS FOR CONTINUITY OF ALL RATED WALLS.
7. REFER TO LIFE SAFETY PLANS FOR FEC LOCATIONS.
8. ALL DIMENSIONS ARE TO FACE OF STUD, CENTERLINE OF COLUMN OR EXTERIOR FACE OF GIRT UNLESS NOTED OTHERWISE. DIMENSIONS DESIGNATED AS "CLR" OR "CLEAR" INDICATE A CLEAR DIMENSION FROM FACE OF FINISH TO FACE OF FINISH.
9. ALL DOOR FRAMES ARE LOCATED 4" FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
10. SEAL ALL JOINTS BETWEEN DISSIMILAR MATERIALS.
11. AT PRE-ENGINEERED METAL BUILDING: ALL EXPOSED STRUCTURAL MEMBERS INCLUDING BOTTOM OF ROOF DECK SHALL BE PRIMED AND PAINTED. REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ARCHITECTURAL GRADE FINISHES OF STRUCTURAL ELEMENTS.
12. AT PRE-ENGINEERED METAL BUILDINGS: ALL INTERIOR GYP BD. AT EXTERIOR WALL ASSEMBLIES TO STOP AT 6" ABOVE THE CEILING AT OFFICES AREA, UNLESS NOTED OTHERWISE.
13. CONTRACTOR TO COMPLY WITH ALL APPLICABLE ACCESSIBILITY STANDARDS AND CODES.
14. CONTRACTOR SHALL PROVIDE COMPLETE PRE-ENGINEERED METAL BUILDING SYSTEM. REVIEW ALL MEP PLANS FOR ITEMS REQUIRING ADDITIONAL STRUCTURAL SUPPORT.
15. PROVIDE REQUIRED BLOCKING FOR WALL AND CEILING MOUNTED ITEMS AS RECOMMENDED BY MANUFACTURER.
16. FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS NOT IN CONTRACT.

19JUL21

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ROOM SCHEDULE

| ROOM NO. | ROOM NAME |
|---|---|
| 101 | SOUTH ENTRY |
| 102 | F.R. |
| 103 | DRIVER LOUNGE |
| 104 | R.R. |
| 105 | CORRIDOR 1 |
| 106 | OPEN OFFICE |
| 107 | OFFICE 4 |
| 108 | OFFICE 3 |
| 109 | OFFICE 2 |
| 110 | OFFICE 1 |
| 111 | OFFICE 5 |
| 112 | OFFICE 6 |
| 113 | OFFICE 7 |
| 114 | OFFICE 8 |
| 116 | OFFICE 9 |
| 117 | TRAINING |
| 118 | EAST ENTRY |
| 119 | HALLWAY 1 |
| 120 | WOMEN |
| 121 | MEN |
| 122 | STORAGE |
| 123 | JAN. 1 |
| 124 | BREAK ROOM |
| 125 | MECH. ROOM |
| 126 | COMM. |
| 127 | ELEC. 1 |
| 128 | ELEC. 2 |
| 129 | HALLWAY 2 |
| 130 | JAN. 2 |
| 131 | WOMEN |
| 131 | CAGE 1 |
| 132 | MEN |
| 133 | CAGE 2 |
| 134 | CAGE 3 |
| 150 | TRANSFER SPACE |
| 151 | LEASE AREA |

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

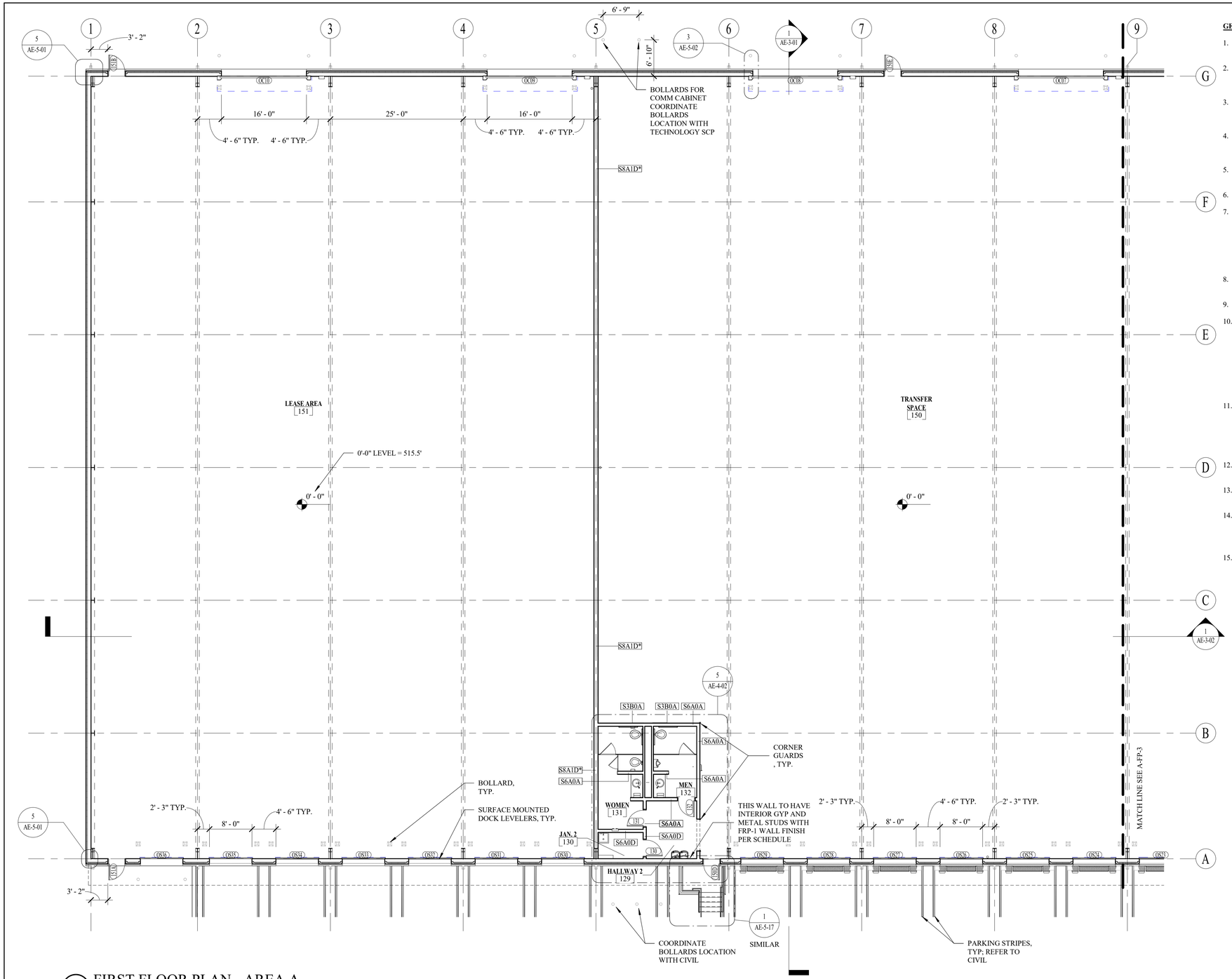
| | |
|---|---|
| DRAWN BY: | ON |
| CHECKED BY: | BH |
| COORD. CHECK: | TT / KP |
| FILE NAME: | L13189.026-A-1-02.dwg |
| DATE: | 02AUG21 |
| SCALE: | 1" = 30'-0" |

| No. | Date | Description | By |
|---|---|---|---|

KEY MAP — A B C — SECTOR J3

DRAWING DESCRIPTION:
**FIRST FLOOR PLAN**

SHEET NO.
**A-1-02**




1 FIRST FLOOR PLAN - AREA A
1" = 10'-0"

**GENERAL PLAN NOTES**

1. REFER TO SHEET G1-0-04 FOR ARCHITECTURAL SYMBOL LEGEND AND ABBREVIATIONS.
2. REFER TO CIVIL DRAWINGS FOR SITE INFORMATION, BUILDING LOCATION AND FINISH FLOOR ELEVATION.
3. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR EQUIPMENT AND LIGHTING SCHEDULES.
4. REFER TO PARTITION TYPE SCHEDULE (AE-6-02) AND LIFE SAFETY PLANS FOR REQUIRED FIRE RATINGS.
5. REFER TO LIFE SAFETY PLANS FOR CONTINUITY OF ALL RATED WALLS.
6. REFER TO LIFE SAFETY PLANS FOR FEC LOCATIONS.
7. ALL DIMENSIONS ARE TO FACE OF STUD, CENTERLINE OF COLUMN OR EXTERIOR FACE OF GIRT UNLESS NOTED OTHERWISE. DIMENSIONS DESIGNATED AS "CLR" OR "CLEAR" INDICATE A CLEAR DIMENSION FROM FACE OF FINISH TO FACE OF FINISH.
8. ALL DOOR FRAMES ARE LOCATED 4" FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
9. SEAL ALL JOINTS BETWEEN DISSIMILAR MATERIALS.
10. AT PRE-ENGINEERED METAL BUILDING: ALL EXPOSED STRUCTURAL MEMBERS INCLUDING BOTTOM OF ROOF DECK SHALL BE PRIMED AND PAINTED. REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ARCHITECTURAL GRADE FINISHES OF STRUCTURAL ELEMENTS.
11. AT PRE-ENGINEERED METAL BUILDINGS: ALL INTERIOR GYP BD. AT EXTERIOR WALL ASSEMBLIES TO STOP AT 6" ABOVE THE CEILING AT OFFICES AREA, UNLESS NOTED OTHERWISE.
12. CONTRACTOR TO COMPLY WITH ALL APPLICABLE ACCESSIBILITY STANDARDS AND CODES.
13. CONTRACTOR SHALL PROVIDE COMPLETE PRE-ENGINEERED METAL BUILDING SYSTEM.
14. PROVIDE REQUIRED BLOCKING FOR WALL AND CEILING MOUNTED ITEMS AS RECOMMENDED BY MANUFACTURER.
15. FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS NOT IN CONTRACT.

PLAN NORTH

0' 10' 20' 30' 40'

SCALE: 1"=10'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

19JUL21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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| DRAWN BY: | ON |
| CHECKED BY: | BH |
| COORD. CHECK: | TT / KP |
| FILE NAME: | L13189.026-A-1-03.dwg |
| DATE: | 02AUG21 |
| SCALE: | 1" = 10'-0" |

| No. | Date | Description | By |
|---|---|---|---|

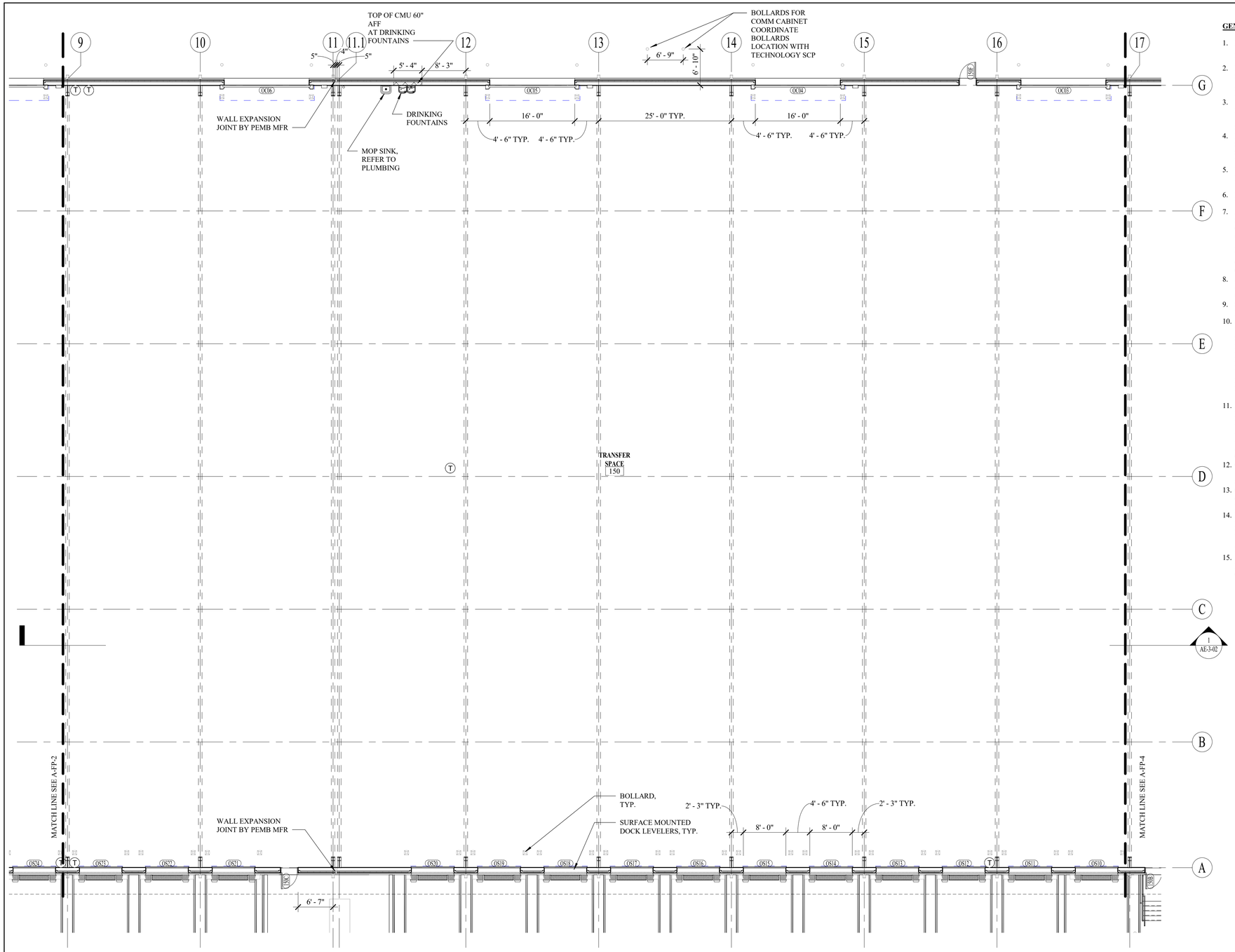
KEY MAP A SECTOR J3

DRAWING DESCRIPTION:

**AREA A FLOOR PLAN**

SHEET NO.

**A-1-03**




1 FIRST FLOOR PLAN - AREA B
1" = 10'-0"

PLAN NORTH

0' 10' 20' 30' 40'

SCALE: 1"=10'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

**GENERAL PLAN NOTES**

1. REFER TO SHEET G1-0-04 FOR ARCHITECTURAL SYMBOL LEGEND AND ABBREVIATIONS.
2. REFER TO CIVIL DRAWINGS FOR SITE INFORMATION, BUILDING LOCATION AND FINISH FLOOR ELEVATION.
3. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR EQUIPMENT AND LIGHTING SCHEDULES.
4. REFER TO PARTITION TYPE SCHEDULE (AE-6-02) AND LIFE SAFETY PLANS FOR REQUIRED FIRE RATINGS.
5. REFER TO LIFE SAFETY PLANS FOR CONTINUITY OF ALL RATED WALLS.
6. REFER TO LIFE SAFETY PLANS FOR FEC LOCATIONS.
7. ALL DIMENSIONS ARE TO FACE OF STUD, CENTERLINE OF COLUMN OR EXTERIOR FACE OF GIRT UNLESS NOTED OTHERWISE. DIMENSIONS DESIGNATED AS "CLR" OR "CLEAR" INDICATE A CLEAR DIMENSION FROM FACE OF FINISH TO FACE OF FINISH.
8. ALL DOOR FRAMES ARE LOCATED 4" FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
9. SEAL ALL JOINTS BETWEEN DISSIMILAR MATERIALS.
10. AT PRE-ENGINEERED METAL BUILDING: ALL EXPOSED STRUCTURAL MEMBERS INCLUDING BOTTOM OF ROOF DECK SHALL BE PRIMED AND PAINTED. REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ARCHITECTURAL GRADE FINISHES OF STRUCTURAL ELEMENTS.
11. AT PRE-ENGINEERED METAL BUILDINGS: ALL INTERIOR GYP BD. AT EXTERIOR WALL ASSEMBLIES TO STOP AT 6" ABOVE THE CEILING AT OFFICES AREA, UNLESS NOTED OTHERWISE.
12. CONTRACTOR TO COMPLY WITH ALL APPLICABLE ACCESSIBILITY STANDARDS AND CODES.
13. CONTRACTOR SHALL PROVIDE COMPLETE PRE-ENGINEERED METAL BUILDING SYSTEM.
14. PROVIDE REQUIRED BLOCKING FOR WALL AND CEILING MOUNTED ITEMS AS RECOMMENDED BY MANUFACTURER.
15. FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS NOT IN CONTRACT.

REGISTERED ARCHITECT THIEU QUOC TED TRAN 20[illegible] STATE OF TEXAS

19JUL21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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| No. | Date | Description | By |
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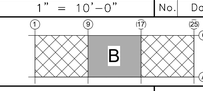
KEY MAP



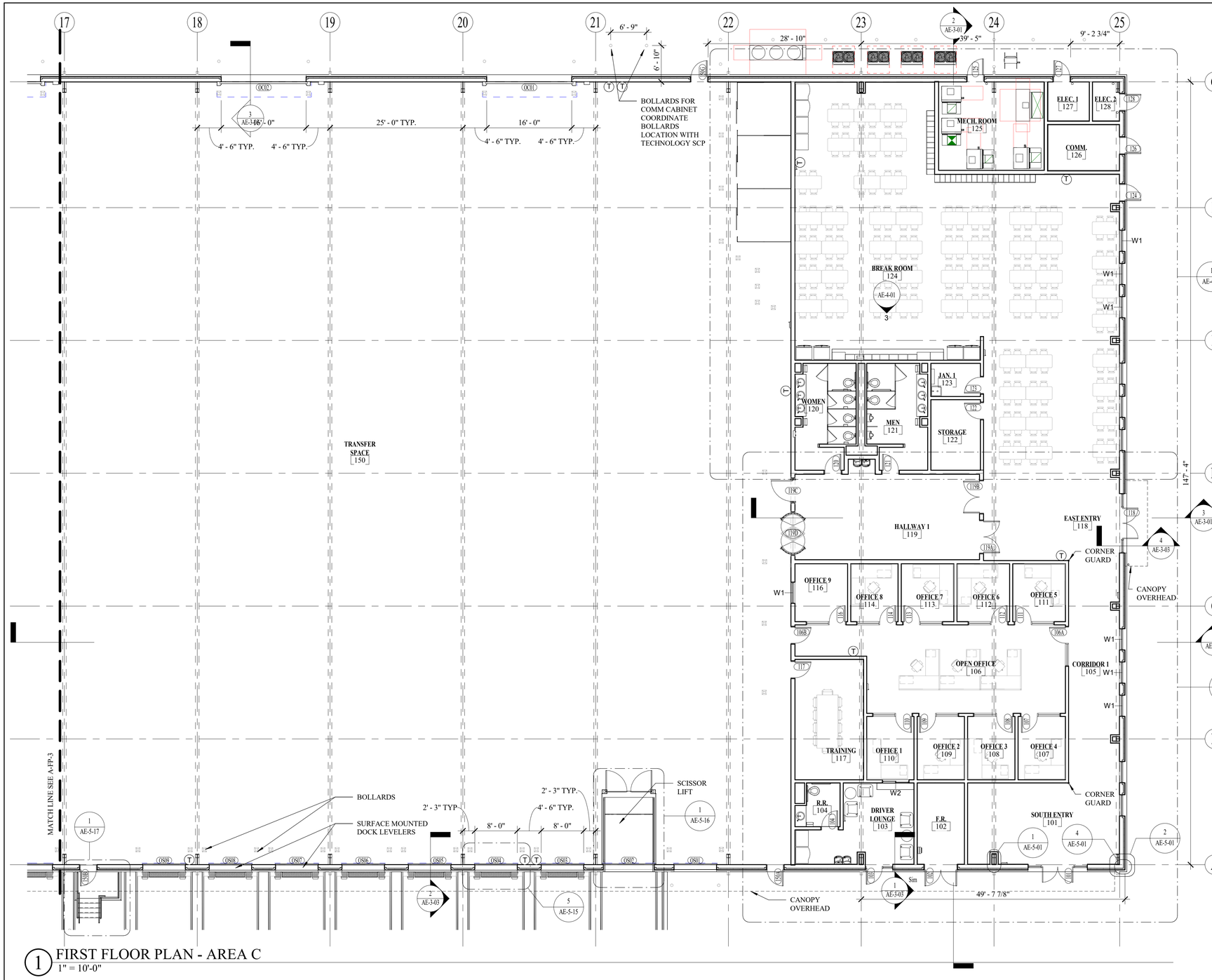

SECTOR J3

DRAWING DESCRIPTION:

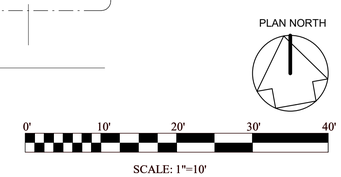
**AREA B FLOOR PLAN**

SHEET NO.

**A-1-04**




1 FIRST FLOOR PLAN - AREA C
1" = 10'-0"




SCALE: 1"=10'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

## GENERAL PLAN NOTES

1. REFER TO SHEET G1-0-04 FOR ARCHITECTURAL SYMBOL LEGEND AND ABBREVIATIONS.
2. REFER TO CIVIL DRAWINGS FOR SITE INFORMATION, BUILDING LOCATION AND FINISH FLOOR ELEVATION.
3. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR EQUIPMENT AND LIGHTING SCHEDULES.
4. REFER TO PARTITION TYPE SCHEDULE (AE-6-02) AND LIFE SAFETY PLANS FOR REQUIRED FIRE RATINGS.
5. REFER TO LIFE SAFETY PLANS FOR CONTINUITY OF ALL RATED WALLS.
6. REFER TO LIFE SAFETY PLANS FOR FEC LOCATIONS.
7. ALL DIMENSIONS ARE TO FACE OF STUD, CENTERLINE OF COLUMN OR EXTERIOR FACE OF GIRT UNLESS NOTED OTHERWISE. DIMENSIONS DESIGNATED AS "CLR" OR "CLEAR" INDICATE A CLEAR DIMENSION FROM FACE OF FINISH TO FACE OF FINISH.
8. ALL DOOR FRAMES ARE LOCATED 4" FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
9. SEAL ALL JOINTS BETWEEN DISSIMILAR MATERIALS.
10. AT PRE-ENGINEERED METAL BUILDING: ALL EXPOSED STRUCTURAL MEMBERS INCLUDING BOTTOM OF ROOF DECK SHALL BE PRIMED AND PAINTED. REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ARCHITECTURAL GRADE FINISHES OF STRUCTURAL ELEMENTS.
11. AT PRE-ENGINEERED METAL BUILDINGS: ALL INTERIOR GYP BD. AT EXTERIOR WALL ASSEMBLIES TO STOP AT 6" ABOVE THE CEILING AT OFFICES AREA, UNLESS NOTED OTHERWISE.
12. CONTRACTOR TO COMPLY WITH ALL APPLICABLE ACCESSIBILITY STANDARDS AND CODES.
13. CONTRACTOR SHALL PROVIDE COMPLETE PRE-ENGINEERED METAL BUILDING SYSTEM.
14. PROVIDE REQUIRED BLOCKING FOR WALL AND CEILING MOUNTED ITEMS AS RECOMMENDED BY MANUFACTURER.
15. FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS NOT IN CONTRACT.

REGISTERED ARCHITECT THIEU QUOC TED TRAN 20097 STATE OF TEXAS

19JUL21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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| DRAWN BY: | ON |
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| FILE NAME: | L13189.026-A-1-05.dwg |
| DATE: | 02AUG21 |
| SCALE: | 1" = 10'-0" |

| No. | Date | Description | By |
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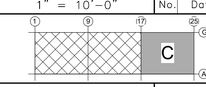
KEY MAP



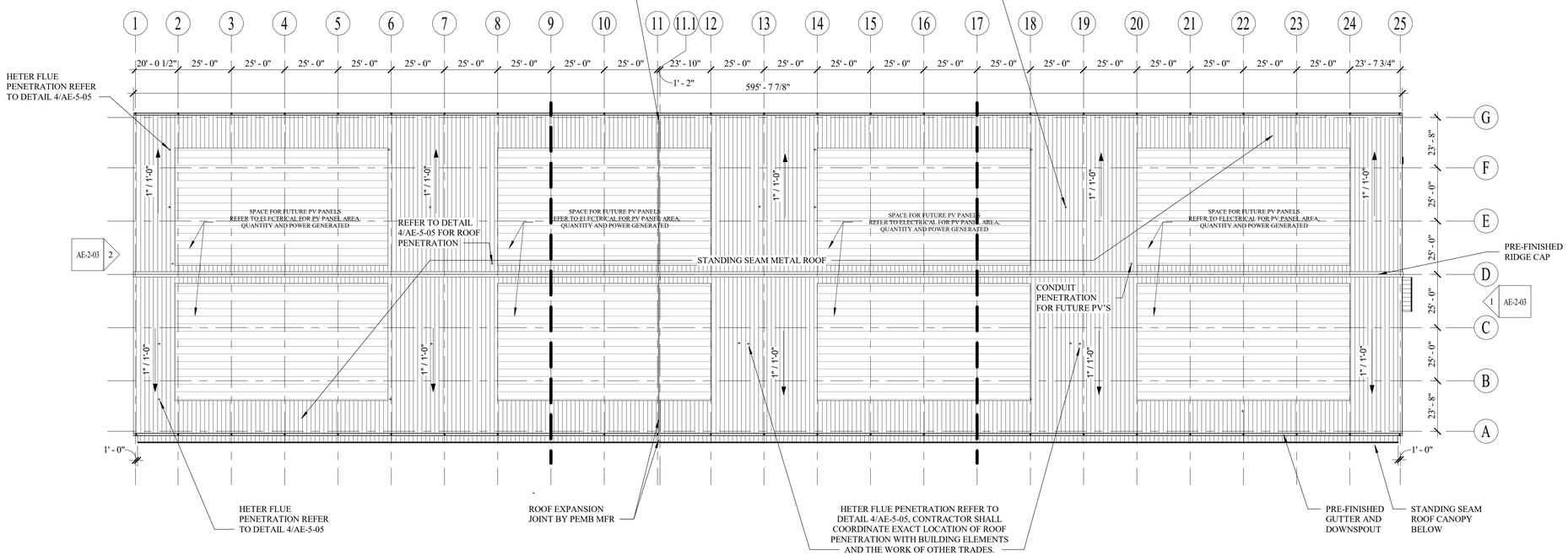

SECTOR J3

DRAWING DESCRIPTION:

**AREA C FLOOR PLAN**

SHEET NO.

**A-1-05**




1 AE-2-01

## 1 ROOF FLOOR PLAN
1" = 30'-0"

**GENERAL ROOF NOTES**

1. REFER TO SHEET AE-5-05 AND AE-5-06 FOR ROOF AND ROOF PENETRATION DETAILS.
2. ALL AREAS OF ROOF TO SLOPE TO THE GUTTERS.
3. ALL FLASHING AND SHEET METAL SHALL COMPLY WITH LATEST EDITION OF SMACNA ARCHITECTURAL SHEET METAL MANUAL.
4. ALL ROOFING TO COMPLY WITH NRCA ROOFING MANUAL.
5. UNLESS NOTED OTHERWISE, PROVIDE SPLASHBLOCKS AT THE BASE OF SURFACE-DRAINING DOWNSPOUTS AND CAST IRON TRANSITIONS AT ALL DOWNSPOUTS CONNECTION TO STORM DRAINAGE SYSTEM.
6. NOT ALL DETAILS ARE REFERENCED. COMPLY WITH ALL ROOFING RELATED DETAILS IN DOCUMENTS.
7. PEMB MANUFACTURER SHALL INCLUDE THE WEIGHT OF PROPOSED FUTURE ROOF PV SYSTEM AS SHOWN.
8. CONTRACTOR TO VERIFY/COORDINATE LOCATION OF ALL ROOF PENETRATIONS, SO THAT THEY DO NOT CONFLICT WITH PV AREAS AS SHOWN.

PLAN NORTH

0' 30' 60' 90' 120'

SCALE: 1"=30'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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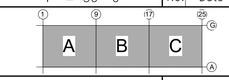
| FILE NAME: | L13189.026-A-1-06.dwg | | | |
| DATE: | 02AUG21 | | | |
| SCALE: | 1" = 30'-0" | No. | Date | Description | By |

KEY MAP



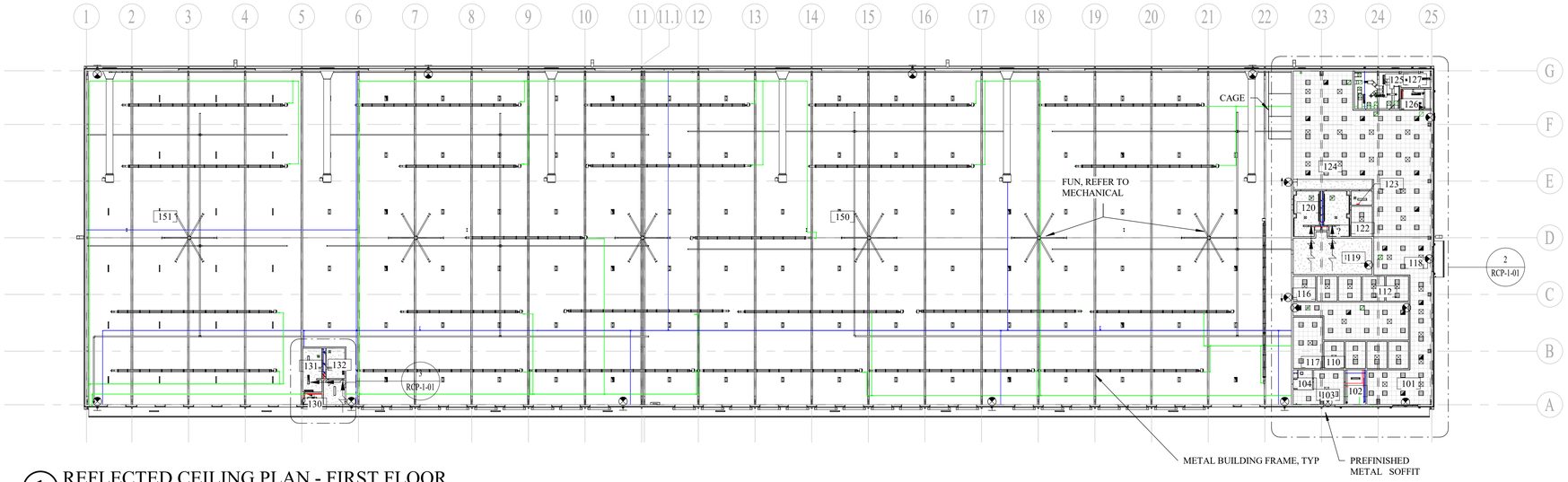

SECTOR J3

DRAWING DESCRIPTION:

**ROOF PLAN**

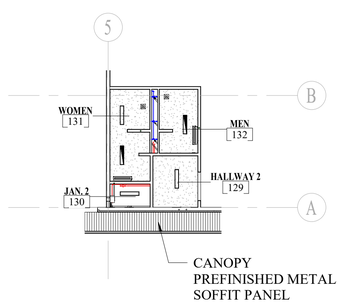
SHEET NO.

**A-1-06**




1 REFLECTED CEILING PLAN - FIRST FLOOR
1" = 30'-0"

2 FIRST FLOOR RCP - OFFICE AREAS
1/16" = 1'-0"




3 FIRST FLOOR RCP - WEST RESTROOM
1/16" = 1'-0"

## GENERAL RCP NOTES

1. ALL CEILINGS TO BE 9'-0" A.F.F. UNLESS NOTED OTHERWISE.
2. ALL COMPONENTS, INCLUDING BUT NOT LIMITED TO CONDUITS, DUCTS, AND PIPING, AT EXPOSED AREAS TO BE PAINTED. REFER TO FINISH SCHEDULE & SPECIFICATION/CODE REQUIREMENTS FOR PAINT TYPE/COLOR OF INDIVIDUAL COMPONENTS.
3. CONTRACTOR'S COORDINATION STUDY SHALL CONFIRM COMPLIANCE WITH NOTED CEILING HEIGHTS.
4. ALL MATERIALS ABOVE CEILING MUST BE NON-COMBUSTIBLE. LOOSE OR UN-FACED INSULATION SHALL NOT BE INSTALLED IN THE RETURN AIR PLENUM.
5. ALL LIGHT FIXTURES, LIFE SAFETY DEVICES AND SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF A CEILING TILE IN BOTH DIRECTIONS AND SHALL ALSO ALIGN WITH ADJACENT FIXTURES, DEVICES OR HEADS IN A RUN OR ROW. TYPICAL UNLESS NOTED OTHERWISE.
6. SPOT ELEVATION TO BOTTOM OF CEILING.
7. GC TO VERIFY LOCATION OF CEILING MOUNTED EQUIPMENT (PROJECTOR, SPEAKERS, MICROPHONES, ETC) AND COORDINATE POWER, DATA AND MOUNTING REQUIREMENTS.
8. PROVIDE REQUIRED BLOCKING FOR WALL AND CEILING MOUNTED ITEMS AS RECOMMENDED BY MANUFACTURER.
9. CONTRACTOR TO COORDINATE LOCATION OF ACCESS PANELS REQUIRED AT GYP BD. CEILINGS. CONTRACTOR SHALL NOTIFY ARCHITECT AND MEP ENGINEERS IF THESE CREATE ANY CONFLICTS. ACCESS PANEL COLORS TO MATCH ADJACENT CEILING COLOR.
10. REFER TO ELECTRICAL FOR EXIT / EGRESS SIGNAGE AND STROBE LOCATIONS.
11. REFER TO ELECTRICAL AND MECHANICAL SHEETS FOR SYMBOL LEGENDS.

## CEILING TYPE LEGEND

- 2x4 SUSPENDED ACOUSTICAL CEILING
- EXPOSED STRUCTURE ABOVE
- GYPSUM BOARD CEILING
- PREFINISHED METAL SOFFIT

PLAN NORTH

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

REGISTERED ARCHITECT THIEN QUOC TED TRAN 20894 STATE OF TEXAS

19JUL21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ROOM SCHEDULE

| ROOM NO. | ROOM NAME |
|---|---|
| 101 | SOUTH ENTRY |
| 102 | F.R. |
| 103 | DRIVER LOUNGE |
| 104 | R.R. |
| 105 | CORRIDOR 1 |
| 106 | OPEN OFFICE |
| 107 | OFFICE 4 |
| 108 | OFFICE 3 |
| 109 | OFFICE 2 |
| 110 | OFFICE 1 |
| 111 | OFFICE 5 |
| 112 | OFFICE 6 |
| 113 | OFFICE 7 |
| 114 | OFFICE 8 |
| 116 | OFFICE 9 |
| 117 | TRAINING |
| 118 | EAST ENTRY |
| 119 | HALLWAY 1 |
| 120 | WOMEN |
| 121 | MEN |
| 122 | STORAGE |
| 123 | JAN. 1 |
| 124 | BREAK ROOM |
| 125 | MECH. ROOM |
| 126 | COMM. |
| 127 | ELEC. 1 |
| 128 | ELEC. 2 |
| 129 | HALLWAY 2 |
| 130 | JAN. 2 |
| 131 | WOMEN |
| 131 | CAGE 1 |
| 132 | MEN |
| 133 | CAGE 2 |
| 134 | CAGE 3 |
| 150 | TRANSFER SPACE |
| 151 | LEASE AREA |

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| DRAWN BY: | ON |
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| COORD. CHECK: | TT / KP |
| FILE NAME: | L13189.026-RCP-1-01.dwg |
| DATE: | 02AUG21 |
| SCALE: | As indicated |

| No. | Date | Description | By |
|---|---|---|---|

KEY MAP — A B C — SECTOR J3

DRAWING DESCRIPTION:

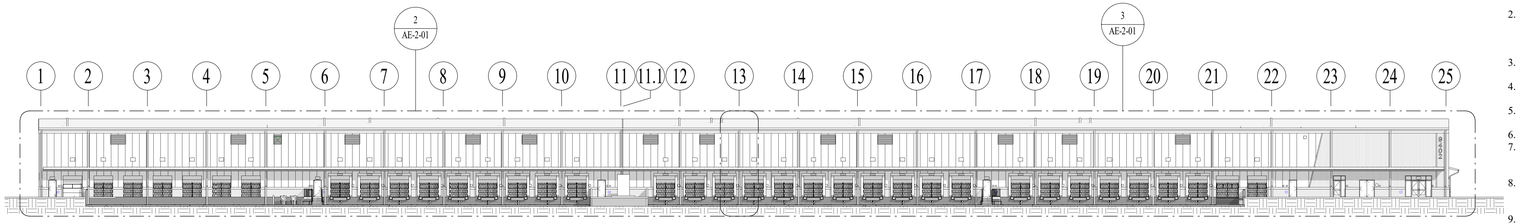
**REFLECTED CEILING PLAN - FIRST FLOOR**

SHEET NO.

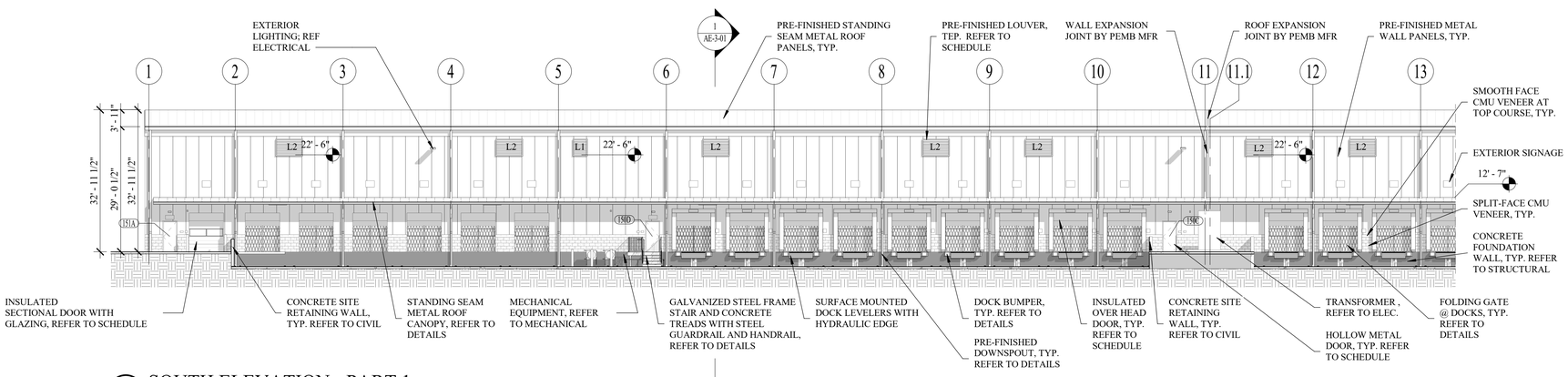
**RCP-1-01**

## GENERAL ELEVATION NOTES

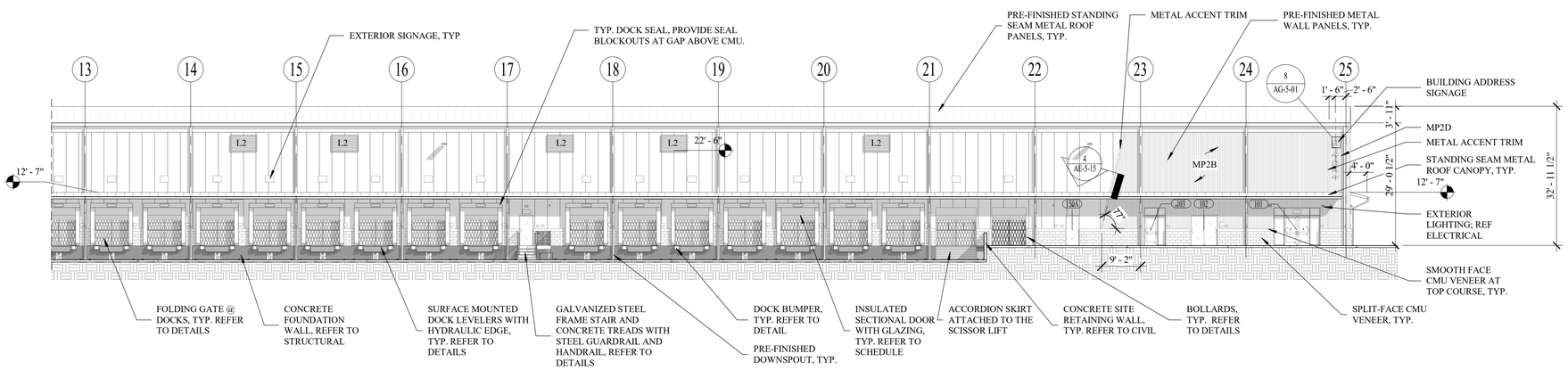
1. JOINT LOCATIONS OF BACK-UP AND FINISH MATERIALS TO BE COORDINATED WITH JOINTS ON DRAWINGS PRIOR TO INSTALLATION. CONFIRM WITH ARCHITECT.
2. ARCHITECTURAL ELEVATIONS MAY NOT INDICATE ALL WALL MOUNTED EQUIPMENT/PENETRATIONS; COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.
3. COORDINATE FIRE SIGNAGE WITH AUTHORITY HAVING JURISDICTION.
4. REFER TO SHEET AE-5-08 FOR DOOR, WINDOW AND LOUVER SIZES.
5. REFER TO SIGNAGE PLANS FOR SIGNAGE TYPE(S) AND INFORMATION.
6. REFER TO AE-6-03 FOR EXTERIOR FINISHES.
7. REFER TO CIVIL DESIGN IN PACKAGE 1 FOR DOWNSPOUT BOOT CONNECTION TO UNDERGROUND STORM DRAIN.
8. REFER TO CIVIL DESIGN IN PACKAGE 1 FOR LOADING DOCK RETAINING WALL ADD ADJACENT PLAZA, FLATWORK.
9. REFER TO LANDSCAPE DESIGN IN PACKAGE 1 FOR WORK ASSOCIATED WITH PACKAGE 2.




1 SOUTH ELEVATION
1/32" = 1'-0"




2 SOUTH ELEVATION - PART 1
1/16" = 1'-0"




3 SOUTH ELEVATION - PART 2
1/16" = 1'-0"

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

REGISTERED ARCHITECT — TRINH QUOC TED TRAN — 20894 — STATE OF TEXAS

19JUL21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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

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ABIA Project No:L13189.026 Permit Issue No:00000 AIP/C No.: 0-00-0000-00-00

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| FILE NAME: | L13189.026-AE-2-01.dwg | | | |
| DATE: | 02AUG21 | | | |
| SCALE: | As indicated | No. | Date | Description | By |

KEY MAP

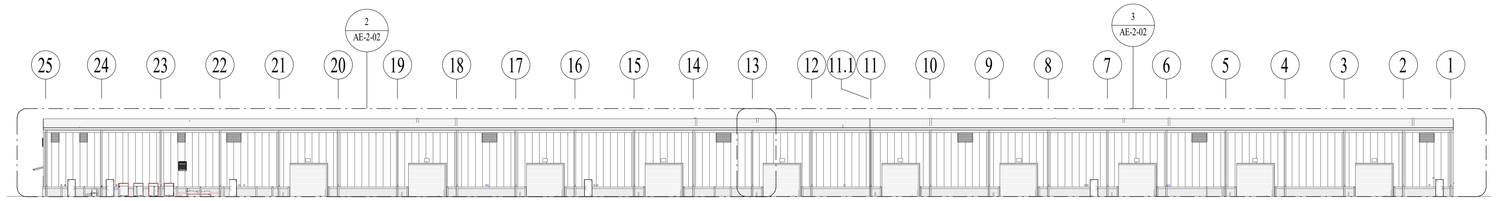
SECTOR J3

DRAWING DESCRIPTION:

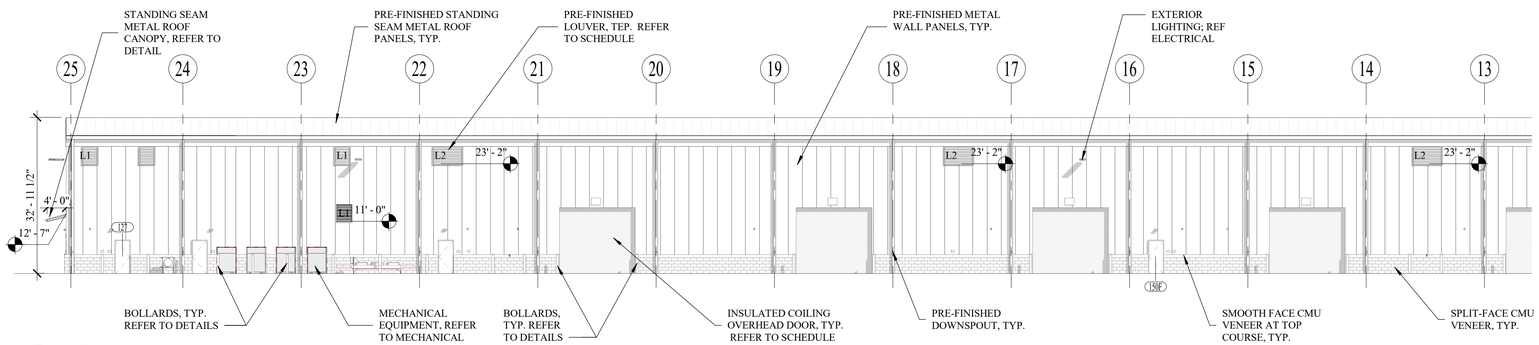
**SOUTH ELEVATION**

SHEET NO.

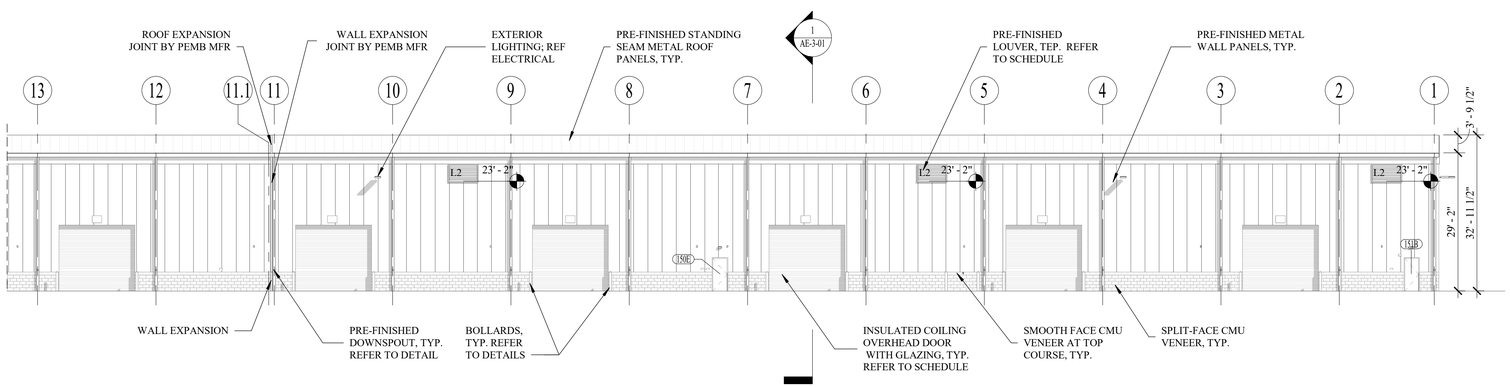
**AE-2-01**




1 NORTH ELEVATION
1/32" = 1'-0"




2 NORTH ELEVATION - PART 1
1/16" = 1'-0"




3 NORTH ELEVATION - PART 2
1/16" = 1'-0"

## GENERAL ELEVATION NOTES

1. JOINT LOCATIONS OF BACK-UP AND FINISH MATERIALS TO BE COORDINATED WITH JOINTS ON DRAWINGS PRIOR TO INSTALLATION. CONFIRM WITH ARCHITECT.
2. ARCHITECTURAL ELEVATIONS MAY NOT INDICATE ALL WALL MOUNTED EQUIPMENT/PENETRATIONS; COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.
3. COORDINATE FIRE SIGNAGE WITH AUTHORITY HAVING JURISDICTION.
4. REFER TO SHEET AE-5-08 FOR DOOR, WINDOW AND LOUVER SIZES.
5. REFER TO SIGNAGE PLANS FOR SIGNAGE TYPE(S) AND INFORMATION.
6. REFER TO AE-6-03 FOR EXTERIOR FINISHES.
7. REFER TO CIVIL DESIGN IN PACKAGE 1 FOR DOWNSPOUT BOOT CONNECTION TO UNDERGROUND STORM DRAIN.
8. REFER TO CIVIL DESIGN IN PACKAGE 1 FOR LOADING DOCK RETAINING WALL ADD ADJACENT PLAZA, FLATWORK.
9. REFER TO LANDSCAPE DESIGN IN PACKAGE 1 FOR WORK ASSOCIATED WITH PACKAGE 2.

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

REGISTERED ARCHITECT
CHRIS QUOC TED TRAN
20844
STATE OF TEXAS

19JUL21

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN, AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| DRAWN BY: | ON |
| CHECKED BY: | BH |
| COORD. CHECK: | TT / KP |
| FILE NAME: | L13189.026-AE-2-02.dwg |
| DATE: | 02AUG21 |
| SCALE: | As indicated |

| No. | Date | Description | By |
|---|---|---|---|

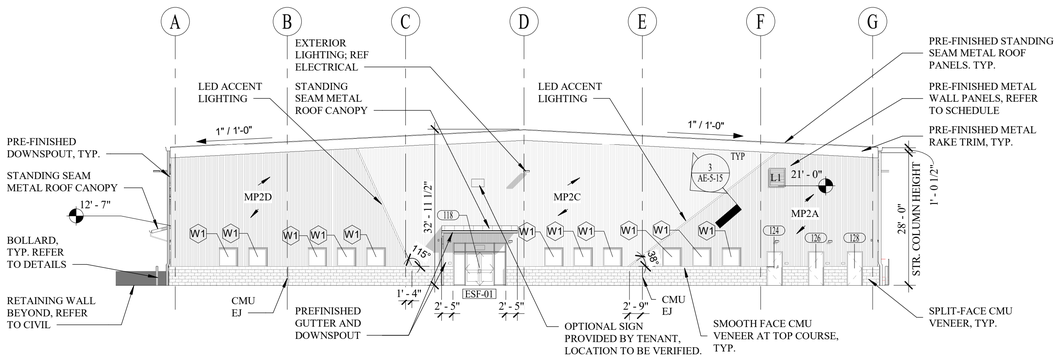
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

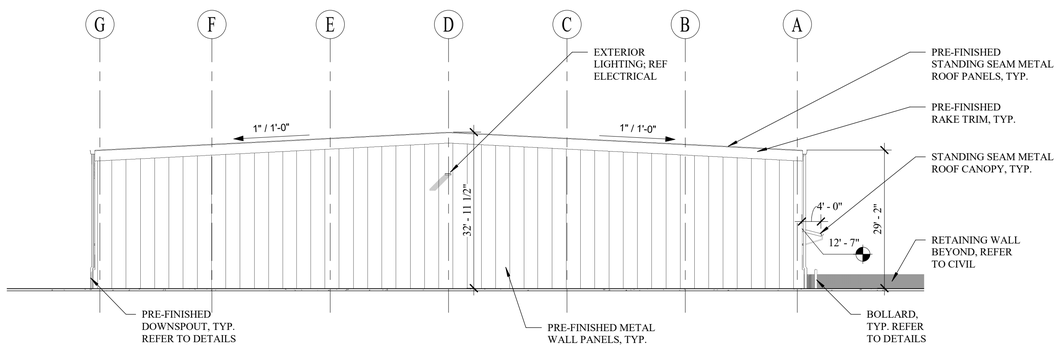
**NORTH ELEVATION**

SHEET NO.

**AE-2-02**




1 EAST ELEVATION
1/16" = 1'-0"




2 WEST ELEVATION
1/16" = 1'-0"

**GENERAL ELEVATION NOTES**

1. JOINT LOCATIONS OF BACK-UP AND FINISH MATERIALS TO BE COORDINATED WITH JOINTS ON DRAWINGS PRIOR TO INSTALLATION. CONFIRM WITH ARCHITECT.
2. ARCHITECTURAL ELEVATIONS MAY NOT INDICATE ALL WALL MOUNTED EQUIPMENT/PENETRATIONS; COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.
3. COORDINATE FIRE SIGNAGE WITH AUTHORITY HAVING JURISDICTION.
4. REFER TO SHEET AE-5-08 FOR DOOR, WINDOW AND LOUVER SIZES.
5. REFER TO SIGNAGE PLANS FOR SIGNAGE TYPE(S) AND INFORMATION.
6. REFER TO AE-6-03 FOR EXTERIOR FINISHES.
7. REFER TO CIVIL DESIGN IN PACKAGE 1 FOR DOWNSPOUT BOOT CONNECTION TO UNDERGROUND STORM DRAIN.
8. REFER TO CIVIL DESIGN IN PACKAGE 1 FOR LOADING DOCK RETAINING WALL ADD ADJACENT PLAZA, FLATWORK.
9. REFER TO LANDSCAPE DESIGN IN PACKAGE 1 FOR WORK ASSOCIATED WITH PACKAGE 2.

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

REGISTERED ARCHITECT THIEU QUOC TED TRAN 20097 STATE OF TEXAS

19JUL21


ATKINS
11801 Domain Blvd., Suite 500 - Austin TX 78758 - (512) 327-6840


AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | |
|---|---|
| DRAWN BY: | ON |
| CHECKED BY: | BH |
| COORD. CHECK: | TT / KP |
| FILE NAME: | L13189.026-AE-2-03.dwg |
| DATE: | 02AUG21 |
| SCALE: | 1/16" = 1'-0" |

| No. | Date | Description | By |
|---|---|---|---|

KEY MAP

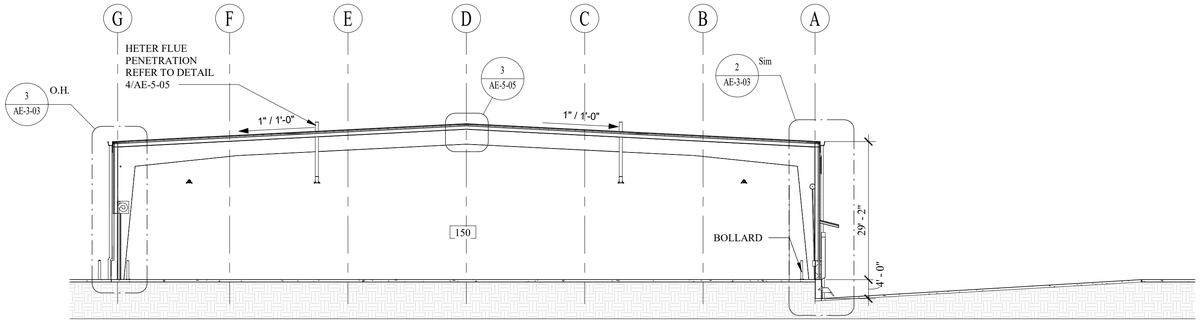
SECTOR J3

DRAWING DESCRIPTION:

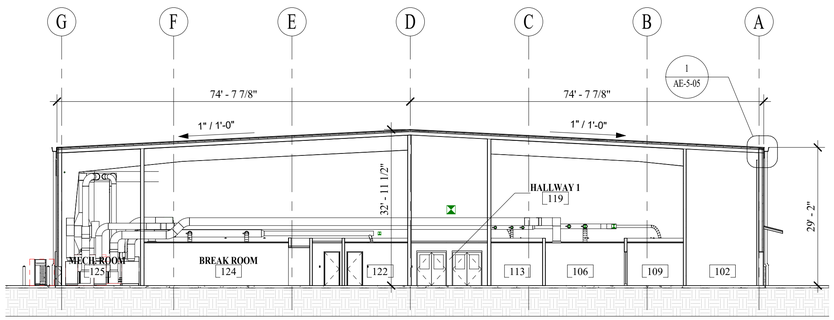
**EAST AND WEST ELEVATION**

SHEET NO.

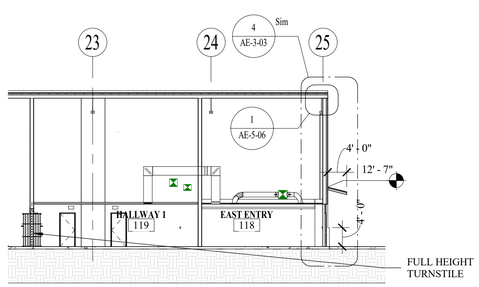
**AE-2-03**




1 SECTION -1
1/16" = 1'-0"




2 SECTION -2
1/16" = 1'-0"




3 SECTION -3
1/16" = 1'-0"

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Austin-Bergstrom International Airport

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|---|---|
| DRAWN BY: | ON |
| CHECKED BY: | BH |
| COORD. CHECK: | TT / KP |
| FILE NAME: | L13189.026-AE-3-01.dwg |
| DATE: | 02AUG21 |
| SCALE: | 1/16" = 1'-0" |

| No. | Date | Description | By |
|---|---|---|---|

KEY MAP

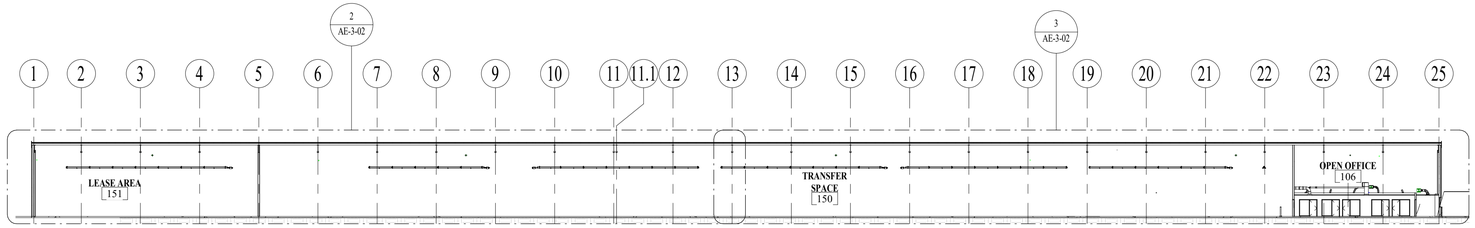
SECTOR J3

DRAWING DESCRIPTION:

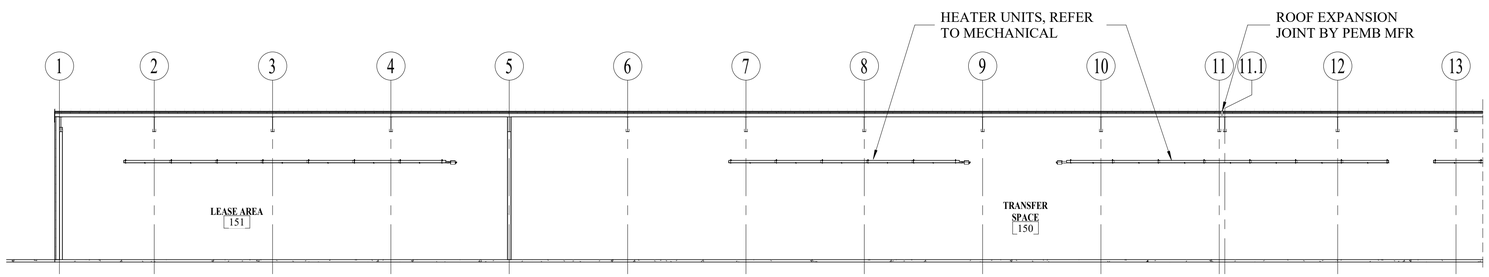
**BUILDING SECTIONS**

SHEET NO.

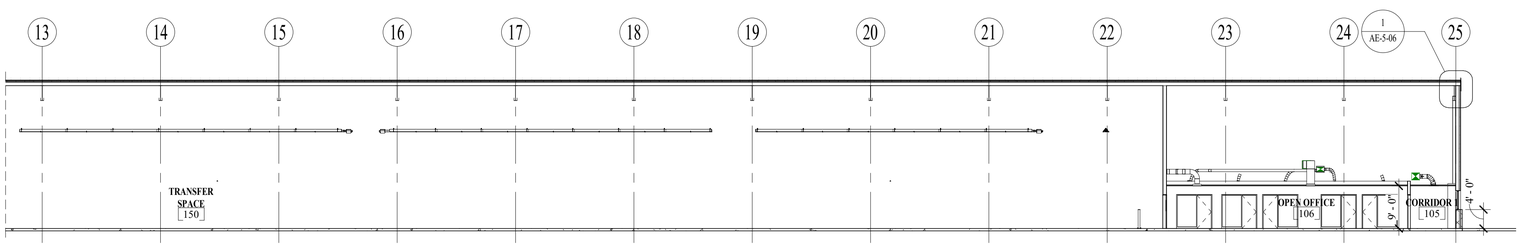
**AE-3-01**




1 SECTION -4
1/32" = 1'-0"




2 SECTION -4 - PART 1
1/16" = 1'-0"




3 SECTION -4 - PART 2
1/16" = 1'-0"

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ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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|---|---|
| DRAWN BY: | ON |
| CHECKED BY: | BH |
| COORD. CHECK: | TT / KP |
| FILE NAME: | L13189.026-AE-3-02.dwg |
| DATE: | 02AUG21 |
| SCALE: | As indicated |

| No. | Date | Description | By |
|---|---|---|---|

KEY MAP

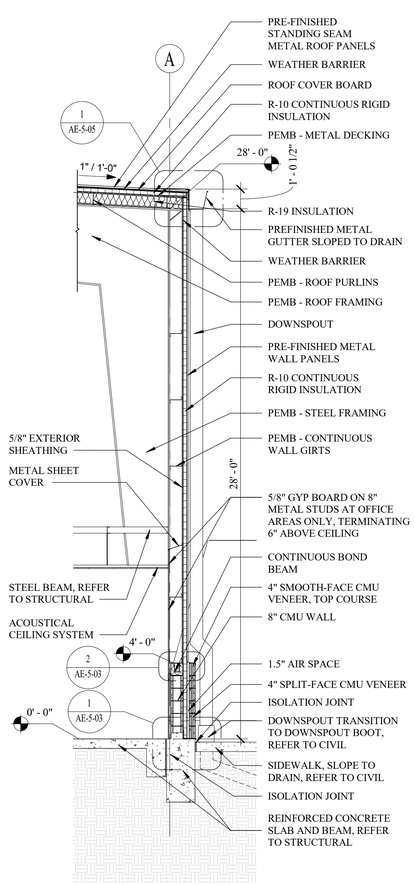
SECTOR J3

DRAWING DESCRIPTION:

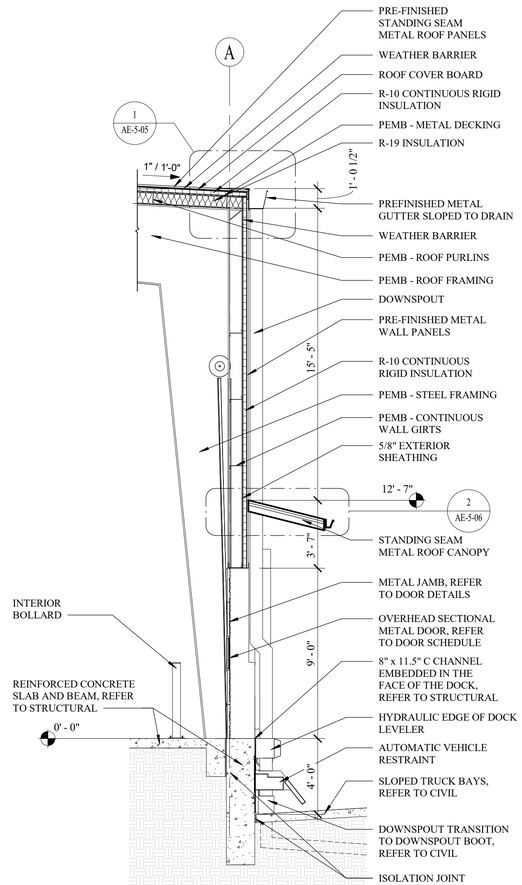
**BUILDING SECTIONS**

SHEET NO.

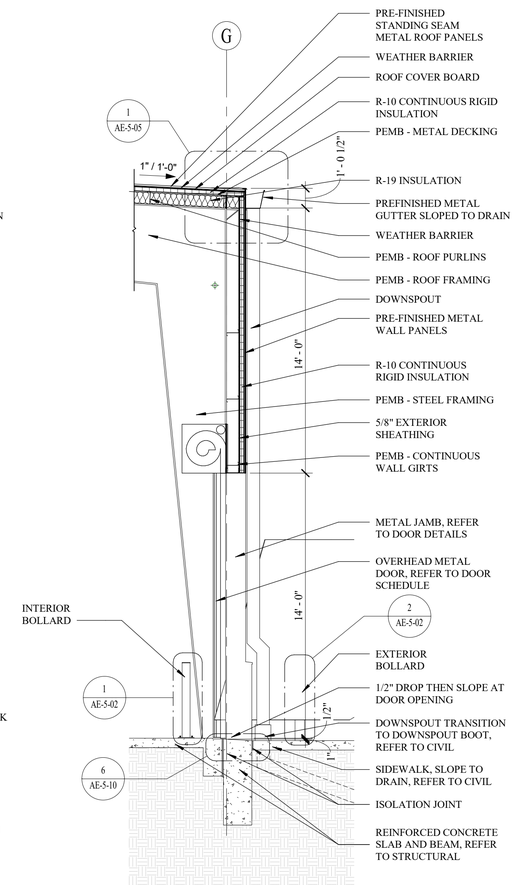
**AE-3-02**



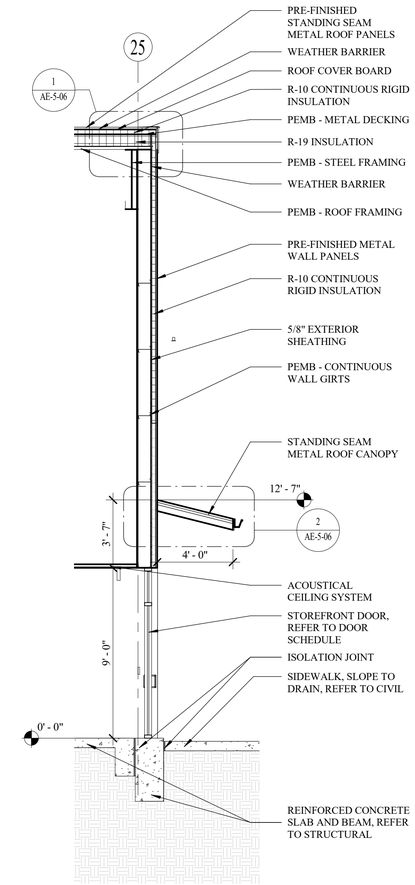

1 TYPICAL WALL SECTION 1
1/4" = 1'-0"




2 TYPICAL WALL SECTION 2
1/4" = 1'-0"




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




4 TYPICAL WALL SECTION 4
1/4" = 1'-0"

0' 1' 2' 4' 8' 16'

SCALE: 1/4"=1'

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19JUL21


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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/C Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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|---|---|---|---|---|
| DRAWN BY: ON | | | | |
| CHECKED BY: BH | | | | |
| COORD. CHECK: TT / KP | | | | |
| FILE NAME: L13189.026-AE-3-03.dwg | | | | |
| DATE: 02AUG21 | | | | |
| SCALE: 1/4" = 1'-0" | No. | Date | Description | By |

KEY MAP

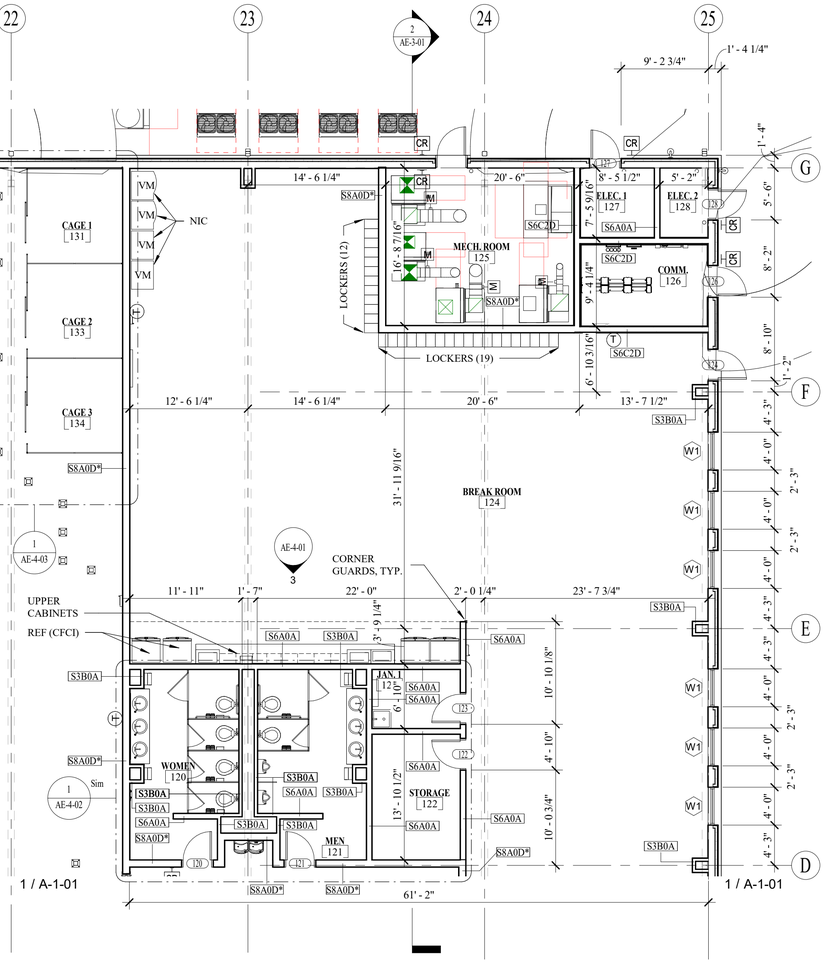
SECTOR J3

DRAWING DESCRIPTION:

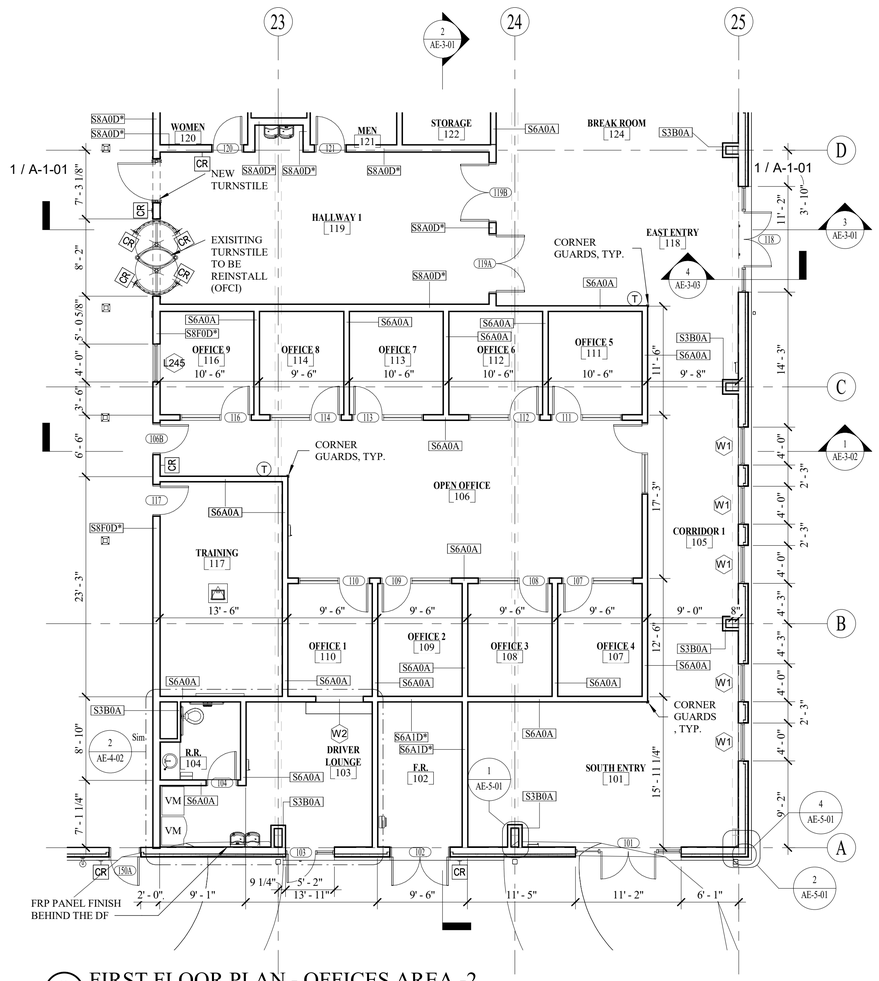
## WALL SECTIONS

SHEET NO.

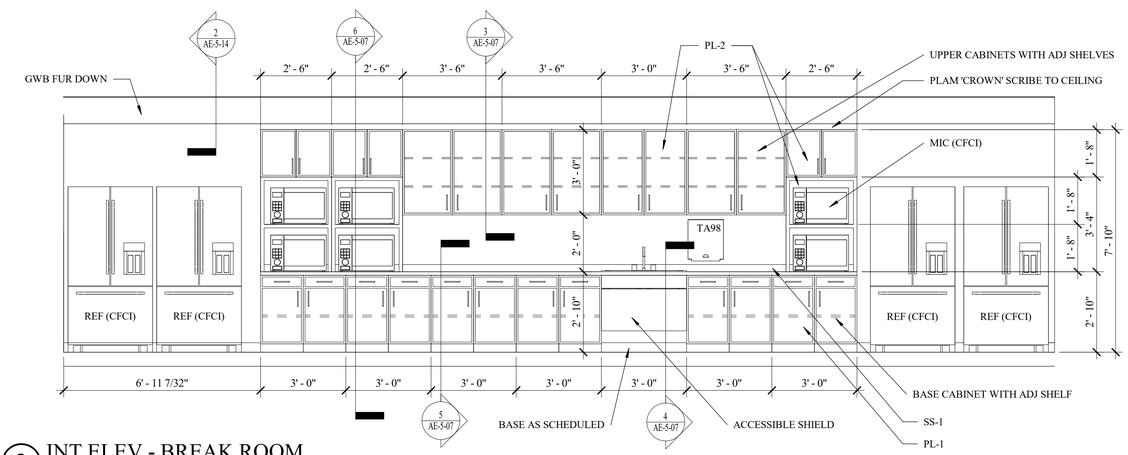
AE-3-03



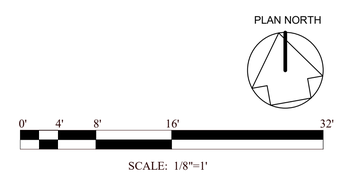

1 FIRST FLOOR PLAN - OFFICES AREA -1
1/8" = 1'-0"




2 FIRST FLOOR PLAN - OFFICES AREA -2
1/8" = 1'-0"




3 INT ELEV - BREAK ROOM
3/8" = 1'-0"

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/C Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | |
|---|---|
| DRAWN BY: | ON |
| CHECKED BY: | BH |
| COORD. CHECK: | TT / KP |
| FILE NAME: | L13189.026-AE-4-01.dwg |
| DATE: | 02AUG21 |
| SCALE: | As indicated |

| No. | Date | Description | By |
|---|---|---|---|

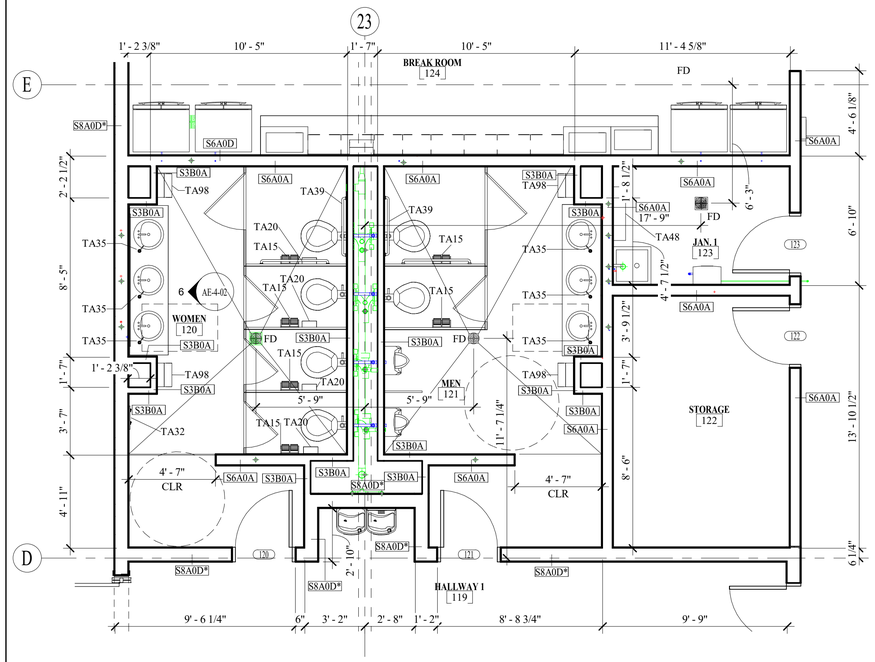
KEY MAP — SECTOR J3

DRAWING DESCRIPTION:

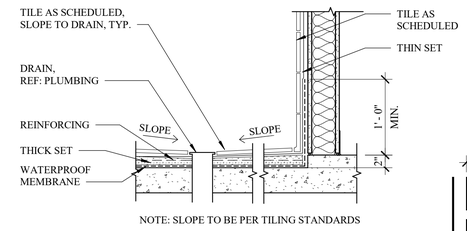
## ENLARGED PLAN - OFFICE AREA

SHEET NO.

AE-4-01

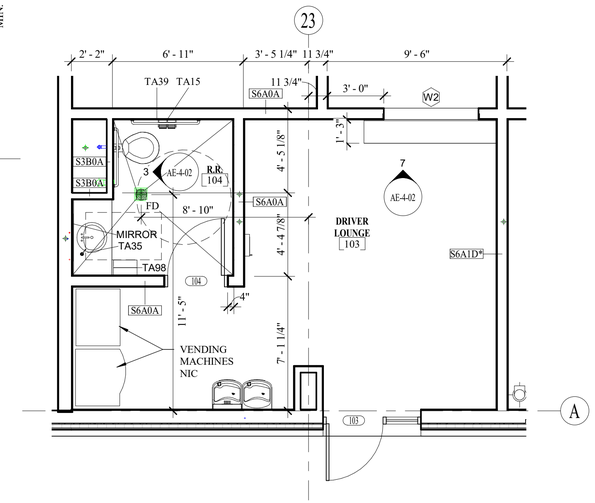



1 ENLARGED PLAN - RESTROOM 120 & 121
1/4" = 1'-0"

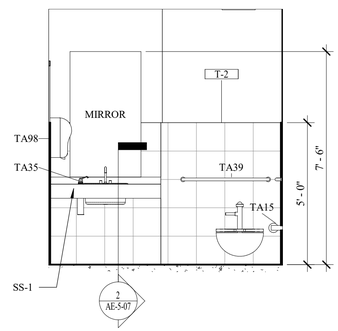



4 TILE SLOPE TO DRAIN DETAIL
1" = 1'-0"

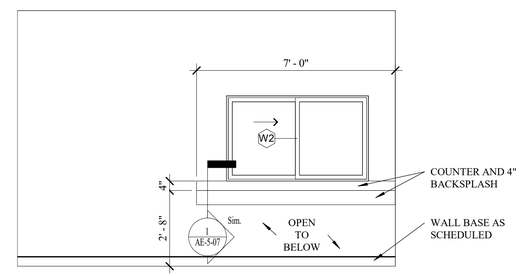
| TOILET ACCESSORIES | |
|---|---|
| Type Mark | Description |
| TA15 | TOILET PAPER DISPENSER, DOUBLE |
| TA20 | SANITARY NAPKIN DISPOSER |
| TA32 | SANITARY NAPKIN AND TAMPON DISPENSER |
| TA35 | SOAP DISPENSER |
| TA39 | SIDE AND REAR GRAB BARS |
| TA48 | COMBINATION MOP AND BROOM HOLDER |
| TA98 | DISPENSER, PAPER TOWEL, SURFACE MOUNT |



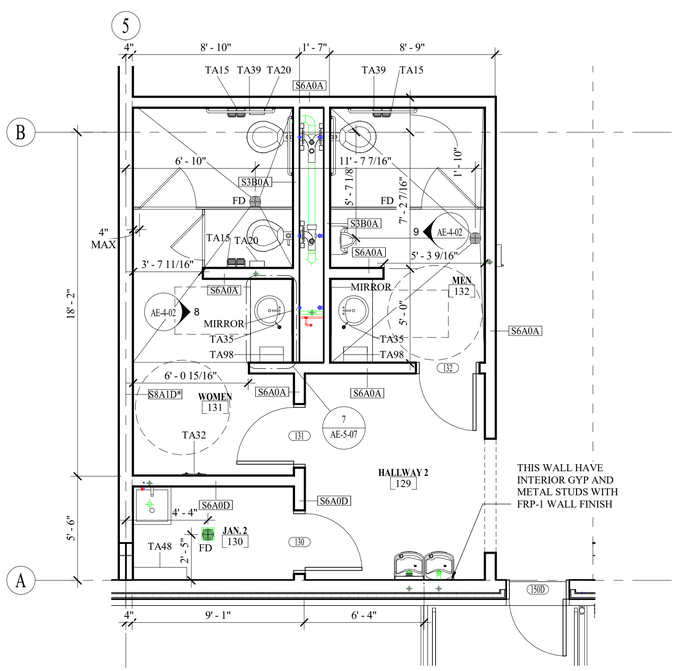

2 ENLARGED PLAN - RM 103 & 104
1/4" = 1'-0"



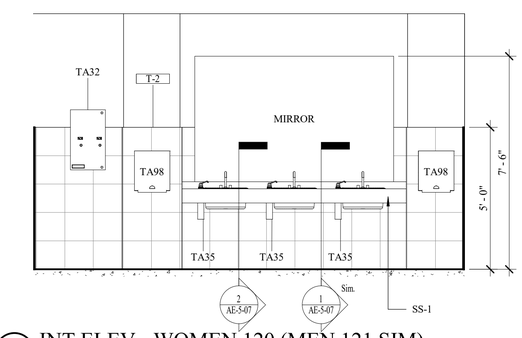

3 INT ELEV - RR 103
3/8" = 1'-0"



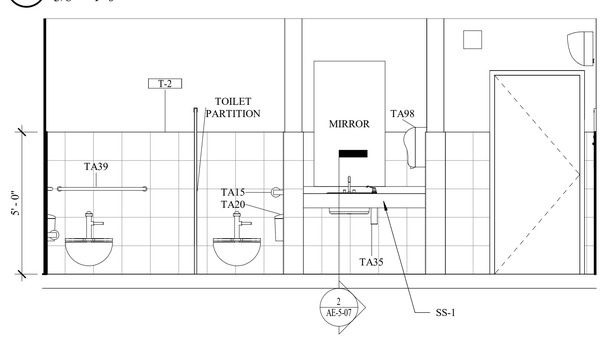

7 INT ELEV - DRIVER LOUNGE COUNTER
3/8" = 1'-0"



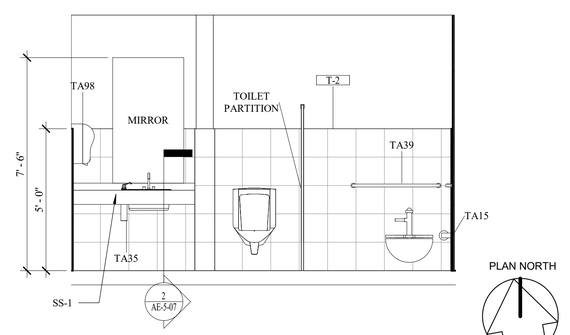

5 ENLARGED PLAN - RESTROOOM 131 & 132
1/4" = 1'-0"




6 INT ELEV - WOMEN 120 (MEN 121 SIM)
3/8" = 1'-0"




8 INT ELEV - WOWEN RR 131
3/8" = 1'-0"




9 INT ELEV - MEN RR 132
3/8" = 1'-0"

PLAN NORTH

0' 1' 2' 4' 8' 16'
SCALE: 1/4"=1'

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN, AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/C'Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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|---|---|---|---|---|
| DRAWN BY: ON | | | | |
| CHECKED BY: BH | | | | |
| COORD. CHECK: TT / KP | | | | |
| FILE NAME: L13189.026-AE-4-02.dwg | | | | |
| DATE: 02AUG21 | | | | |
| SCALE: As indicated | No. | Date | Description | By |

KEY MAP

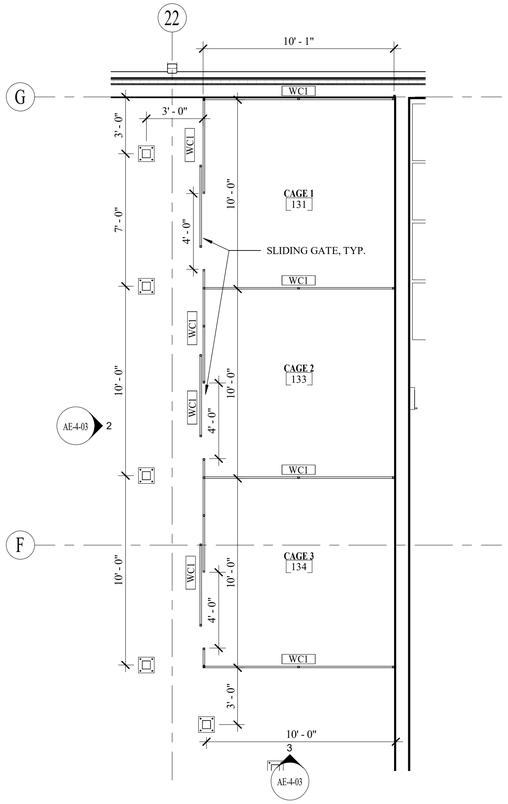
SECTOR J3

DRAWING DESCRIPTION:

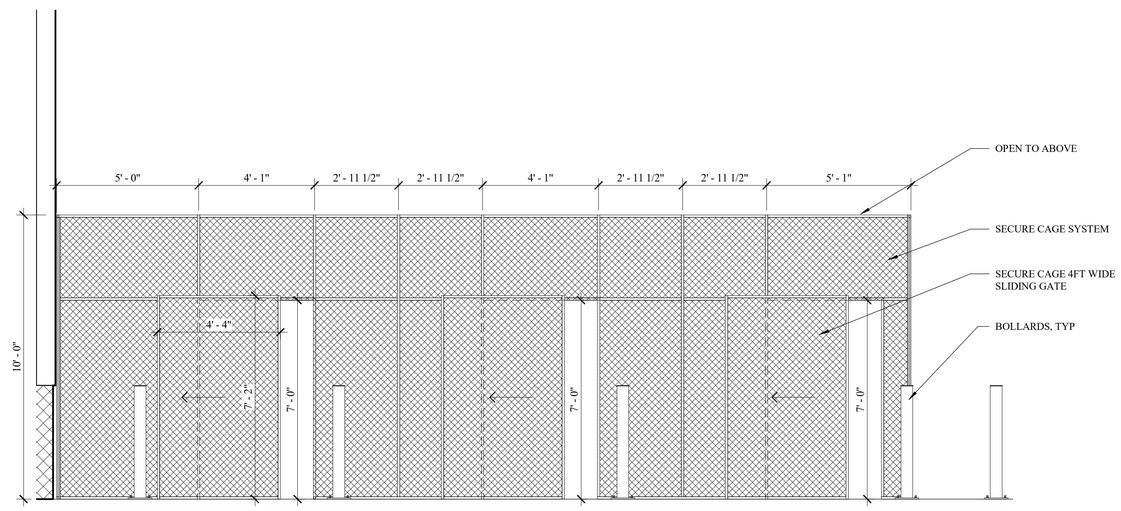
**ENLARGED PLANS - RESTROOMS**

SHEET NO.

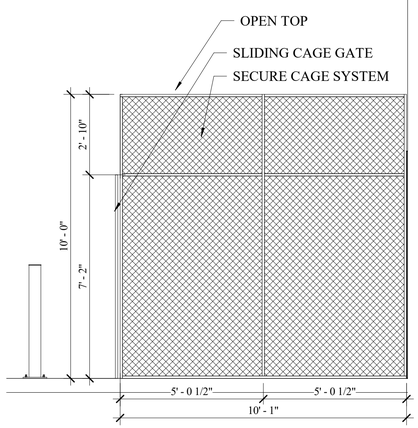
**AE-4-02**



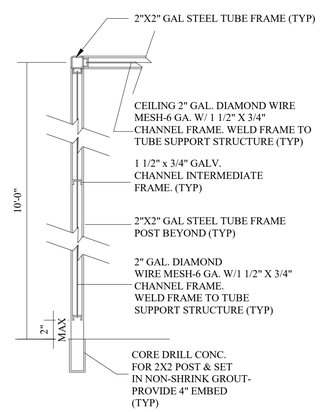

1 ENLARGED PLAN - CAGE
1/4" = 1'-0"



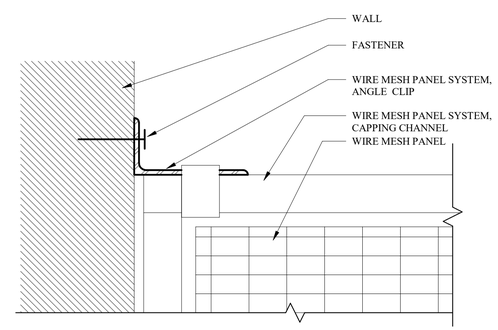

2 INT ELEV - CAGE WEST
3/8" = 1'-0"



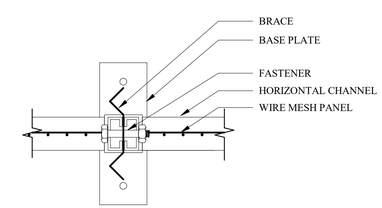

3 INT ELEV - CAGE SOUTH
3/8" = 1'-0"




4 DTL-WIRE MESH PANEL 04
1/4" = 1'-0"




5 WALL ATTACHMENT DETAIL
3" = 1'-0"




6 WALL ATTACHMENT DETAIL
3" = 1'-0"

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ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/C Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | |
|---|---|
| DRAWN BY: | ON |
| CHECKED BY: | BH |
| COORD. CHECK: | TT / KP |
| FILE NAME: | L13189.026-AE-4-03.dwg |
| DATE: | 02AUG21 |
| SCALE: | As indicated |

| No. | Date | Description | By |
|---|---|---|---|

KEY MAP

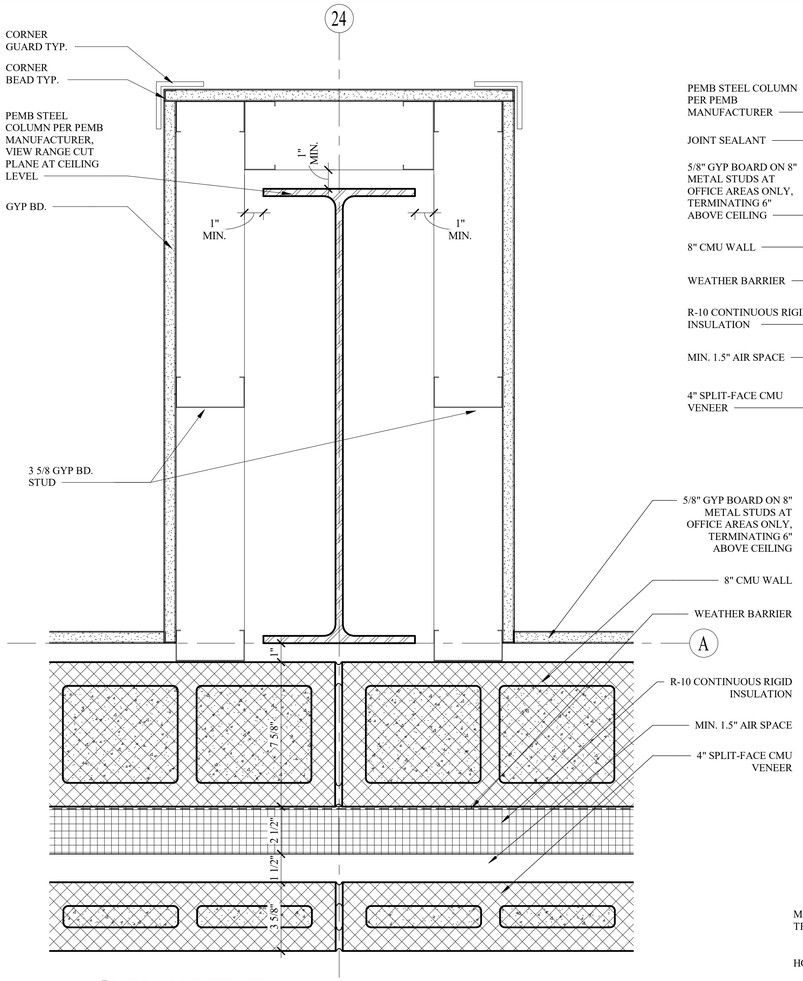
SECTOR J3

DRAWING DESCRIPTION:

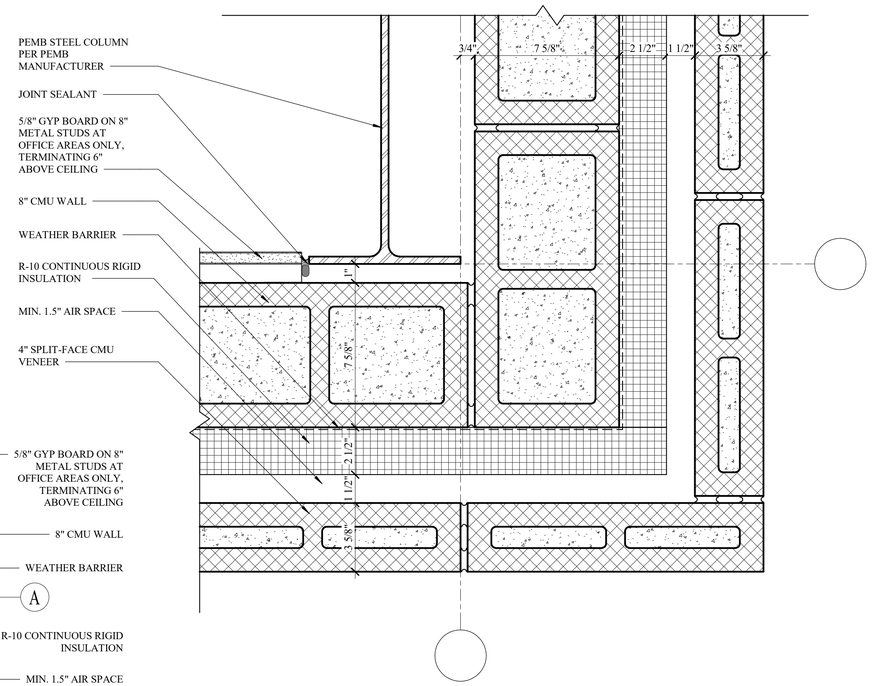
**ENLARGED PLANS - CAGES**

SHEET NO.

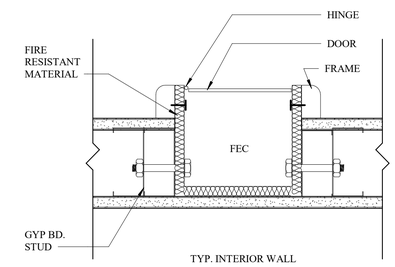
**AE-4-03**



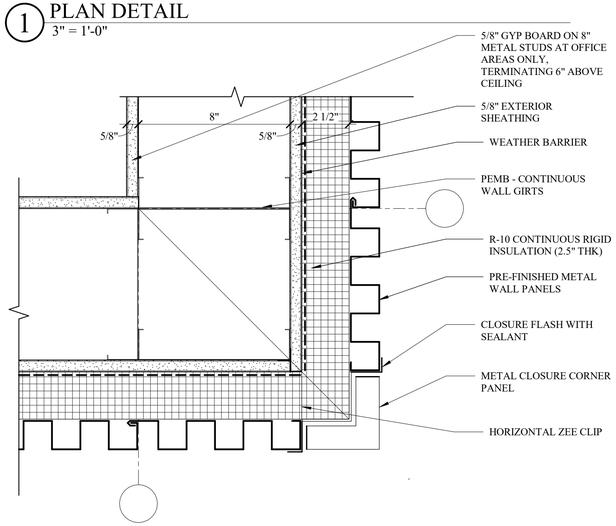

1 PLAN DETAIL
3" = 1'-0"



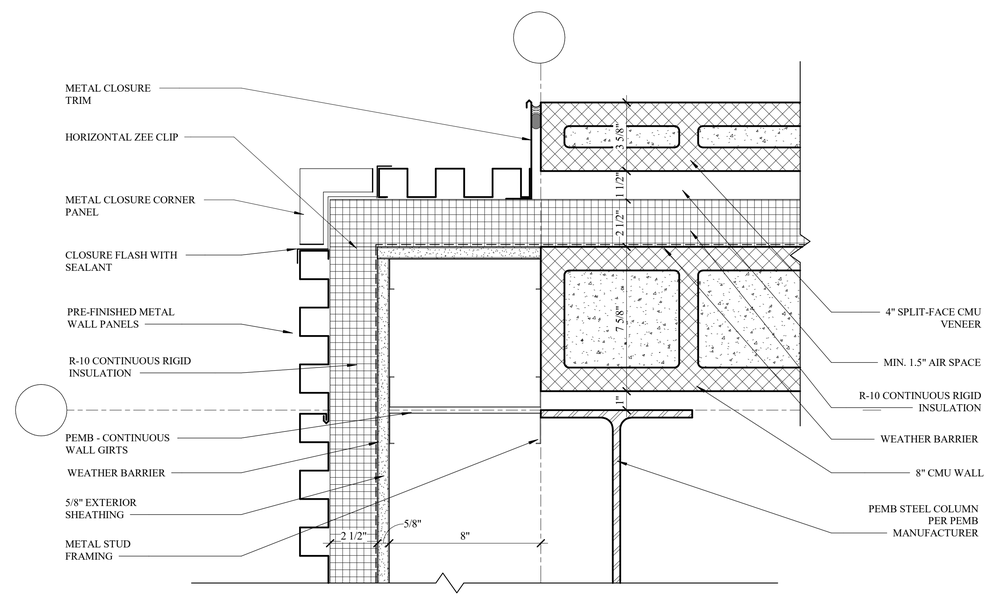

2 DTL PEMB MASONRY OUTSIDE CORNER 1
3" = 1'-0"




3 FIRE EXTINGUISHER CABINET
3" = 1'-0"




4 DTL MTL. PANEL OUTSIDE CORNER
3" = 1'-0"




5 DTL PEMB MASONRY OUTSIDE CORNER 2
3" = 1'-0"

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

19JUL21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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | |
|---|---|---|---|---|
| DRAWN BY: ON | | | | |
| CHECKED BY: BH | | | | |
| COORD. CHECK: TT / KP | | | | |
| FILE NAME:L13189.026-AE-5-01.dwg | | | | |
| DATE: 02AUG21 | | | | |
| SCALE: 3" = 1'-0" | No. | Date | Description | By |

KEY MAP

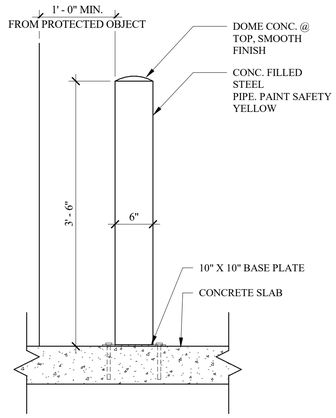
SECTOR J3

DRAWING DESCRIPTION:

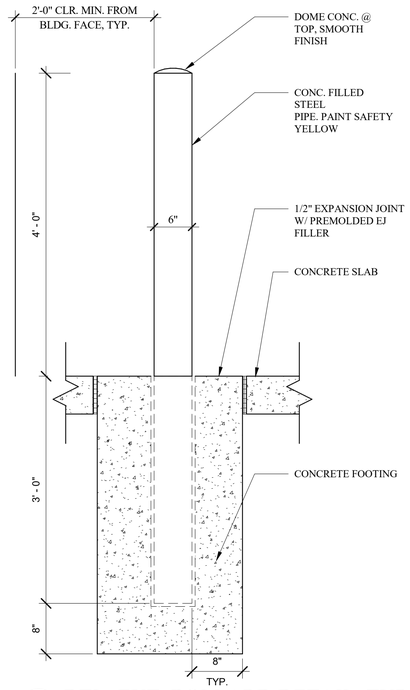
**PLAN DETAILS**

SHEET NO.

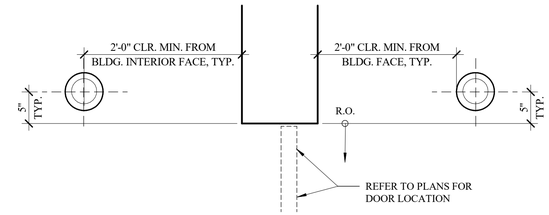
**AE-5-01**



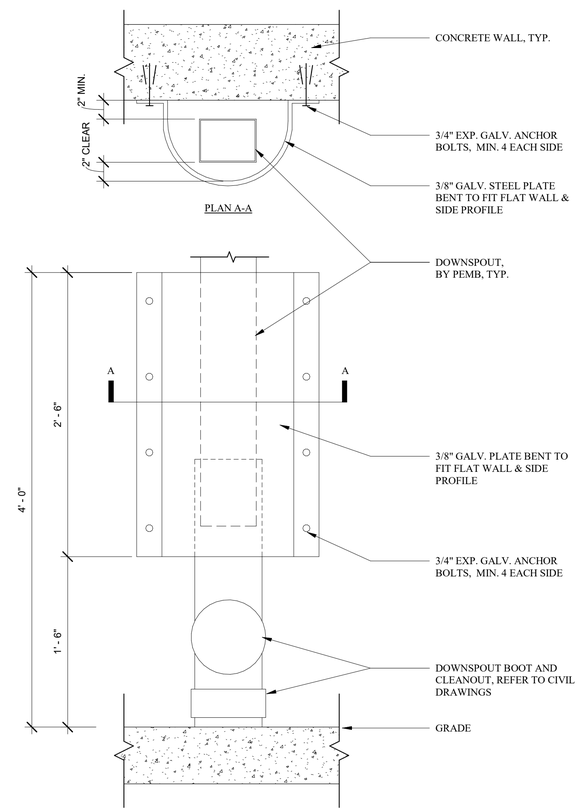

1 DTL-INT. BOLLARD DETAIL,TYP.
1" = 1'-0"




2 DTL- EXT. BOLLARD DETAIL, TYP.
1" = 1'-0"




3 TYP. EXTERIOR & INTERIOR BOLLARD LOCATION
1" = 1'-0"




4 DETAIl-DOWNSPOUT BARRIER
1 1/2" = 1'-0"

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

AUS CARGO DEVELOPMENT
EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom
International Airport

| | |
|---|---|
| DRAWN BY: | ON |
| CHECKED BY: | BH |
| COORD. CHECK: | TT / KP |
| FILE NAME: | L13189.026-AE-5-02.dwg |
| DATE: | 02AUG21 |
| SCALE: | As indicated |

| No. | Date | Description | By |
|---|---|---|---|

KEY MAP

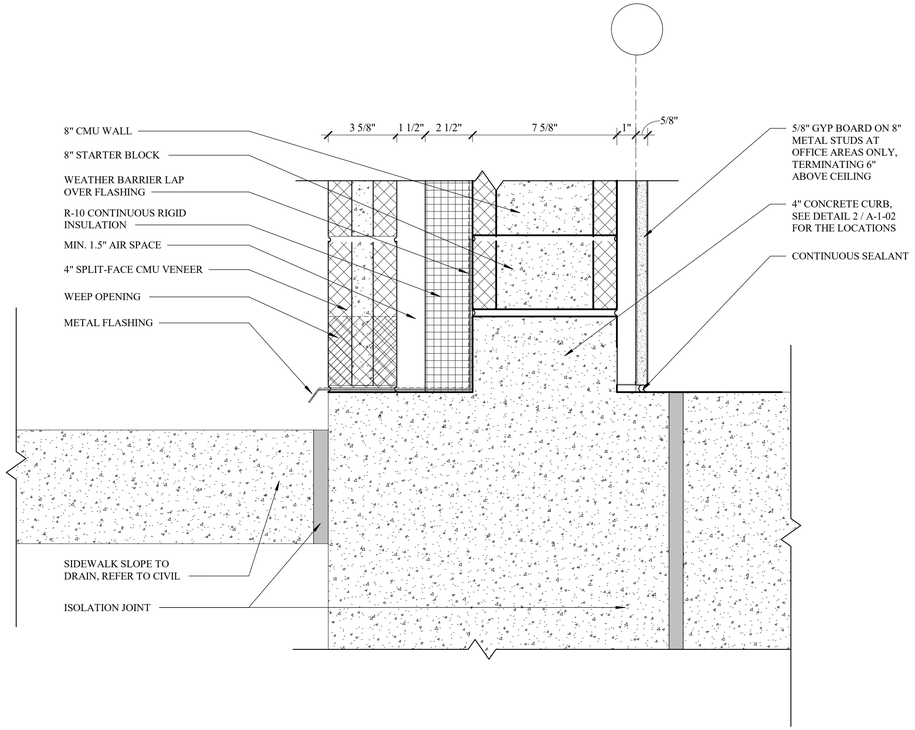
SECTOR J3

DRAWING DESCRIPTION:

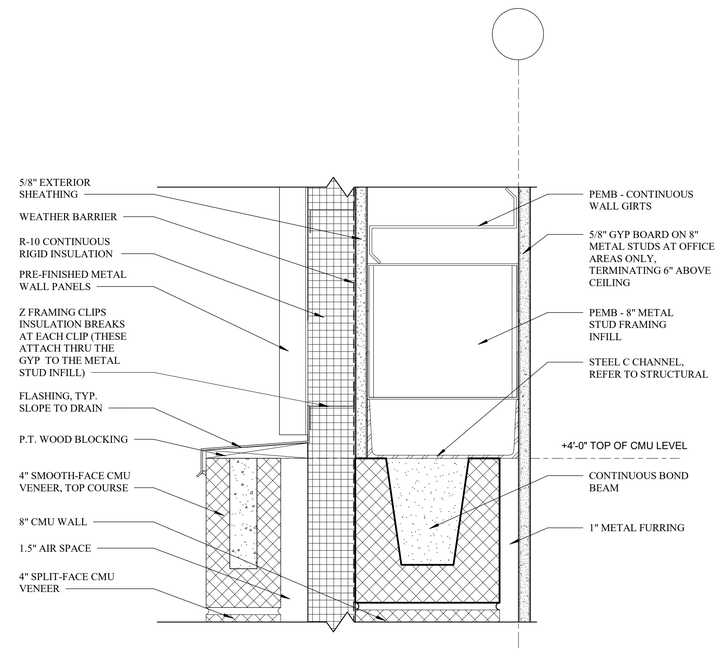
**BOLLARD AND DOWNSPOUT DETAILS**

SHEET NO.

**AE-5-02**




1 FLASHING DETAIL AT GROUND LEVEL
3" = 1'-0"




2 INTERFACE SECTION DETAIL
3" = 1'-0"

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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|---|---|---|---|---|---|
| DRAWN BY: | ON | | | | |
| CHECKED BY: | BH | | | | |
| COORD. CHECK: | TT / KP | | | | |
| FILE NAME: | L13189.026-AE-5-03.dwg | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | 3" = 1'-0" | No. | Date | Description | By |

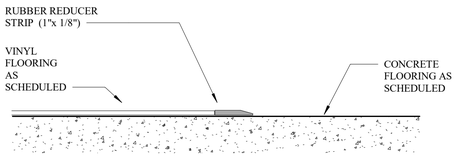
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

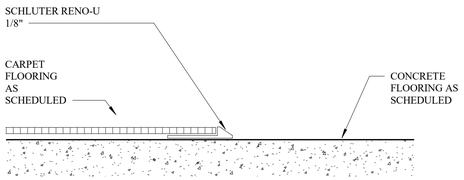
**WALL SECTION DETAILS**

SHEET NO.

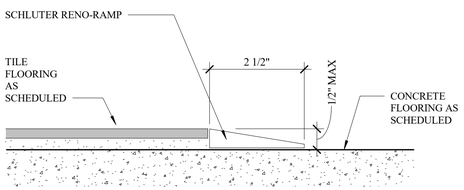
**AE-5-03**



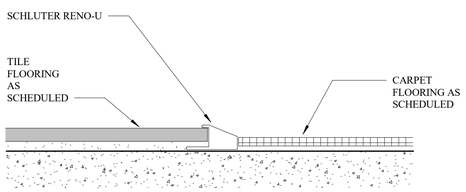

**VINYL TO CONCRETE**




**CARPET TO CONCRETE**




**TILE TO CONCRETE (WHERE NOT FLUSH CONDITIONS OCCUR)**




**TILE TO CARPET**

ALL TRANSITIONS TO BE ADA COMPLIANT

1 00-FLOOR TRANSITION DETAILS
6" = 1'-0"

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

19JUL21

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | |
|---|---|---|---|---|
| DRAWN BY: ON | | | | |
| CHECKED BY: BH | | | | |
| COORD. CHECK: TT / KP | | | | |
| FILE NAME: L13189.026-AE-5-04.dwg | | | | |
| DATE: 02AUG21 | | | | |
| SCALE: 6" = 1'-0" | No. | Date | Description | By |

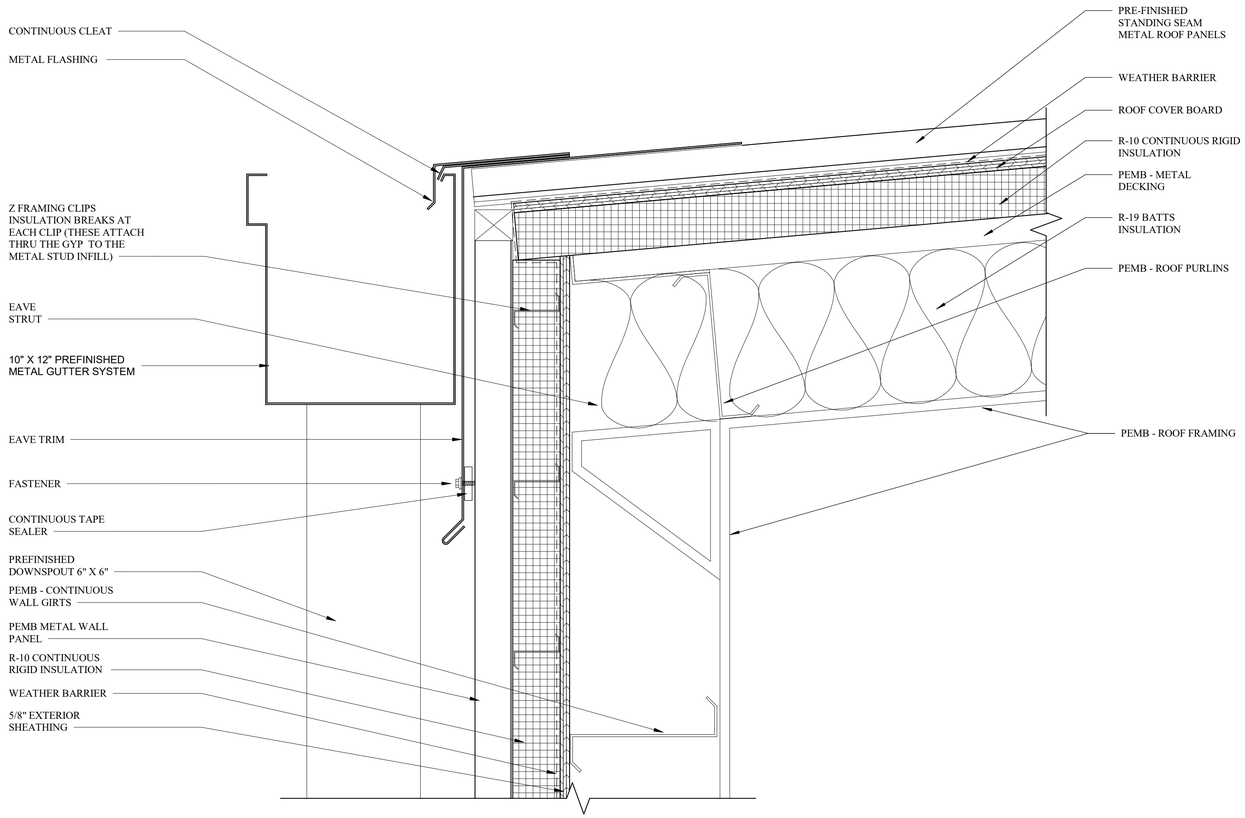
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

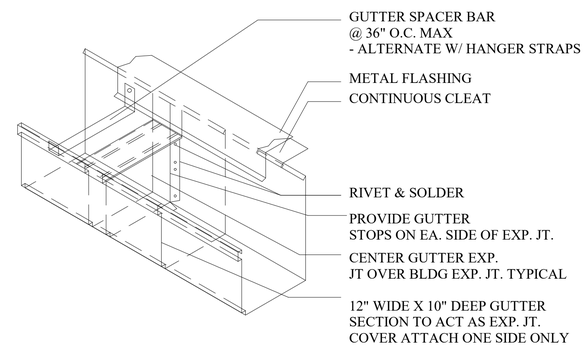
**FLOOR TRANSITION DETAILS**

SHEET NO.

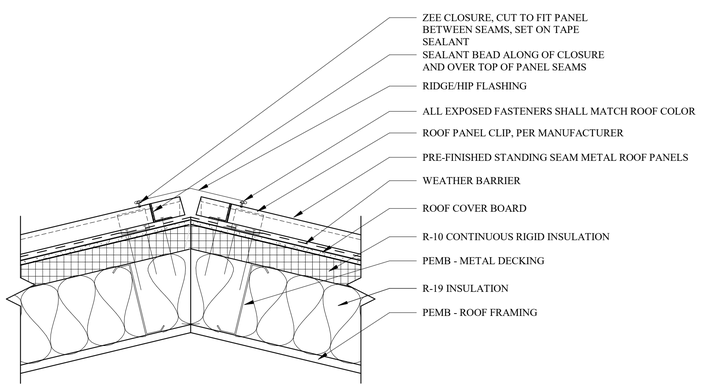
**AE-5-04**



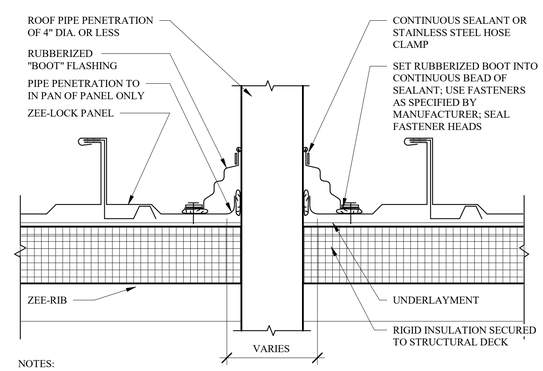

1 GUTTER AT EDGE DETAIL
3" = 1'-0"




2 GUTTER SECTION
1 1/2" = 1'-0"




3 HIP DETAIL
1 1/2" = 1'-0"




NOTES:
1. CUT HOLE IN PANEL 1" SMALLER THAN PENETRATION, BACK CUT TABS, FOLD TABS UP AROUND PENETRATION, AND SEAL.
2. CUT HOLE TO ALLOW FOR ADEQUATE THERMAL MOVEMENT.
3. METAL PIPES MUST BE PAINTED TO PREVENT RUST RUN-OFF FROM STAINING PANELS.
4. SQUARE BASED BOOTS TO BE SET IN DIAMOND ORIENTATION TO PANEL TO AID IN DIVERTING WATER.

4 TYP PIPE PENETR - FLEXIBLE
3" = 1'-0"

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19JUL21


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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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|---|---|---|---|---|---|
| DRAWN BY: | ON | | | | |
| CHECKED BY: | BH | | | | |
| COORD. CHECK: | TT / KP | | | | |
| FILE NAME: | L13189.026-AE-5-05.dwg | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | As indicated | No. | Date | Description | By |

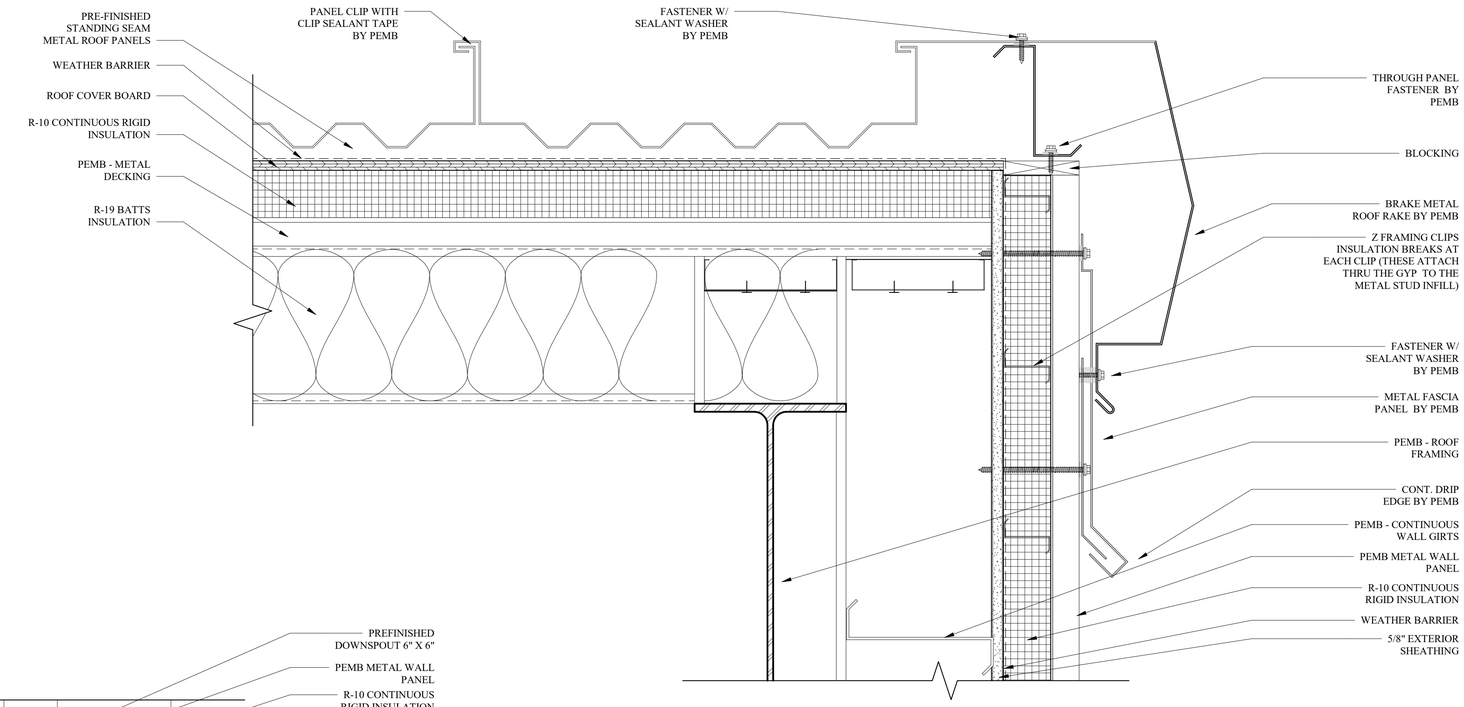
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

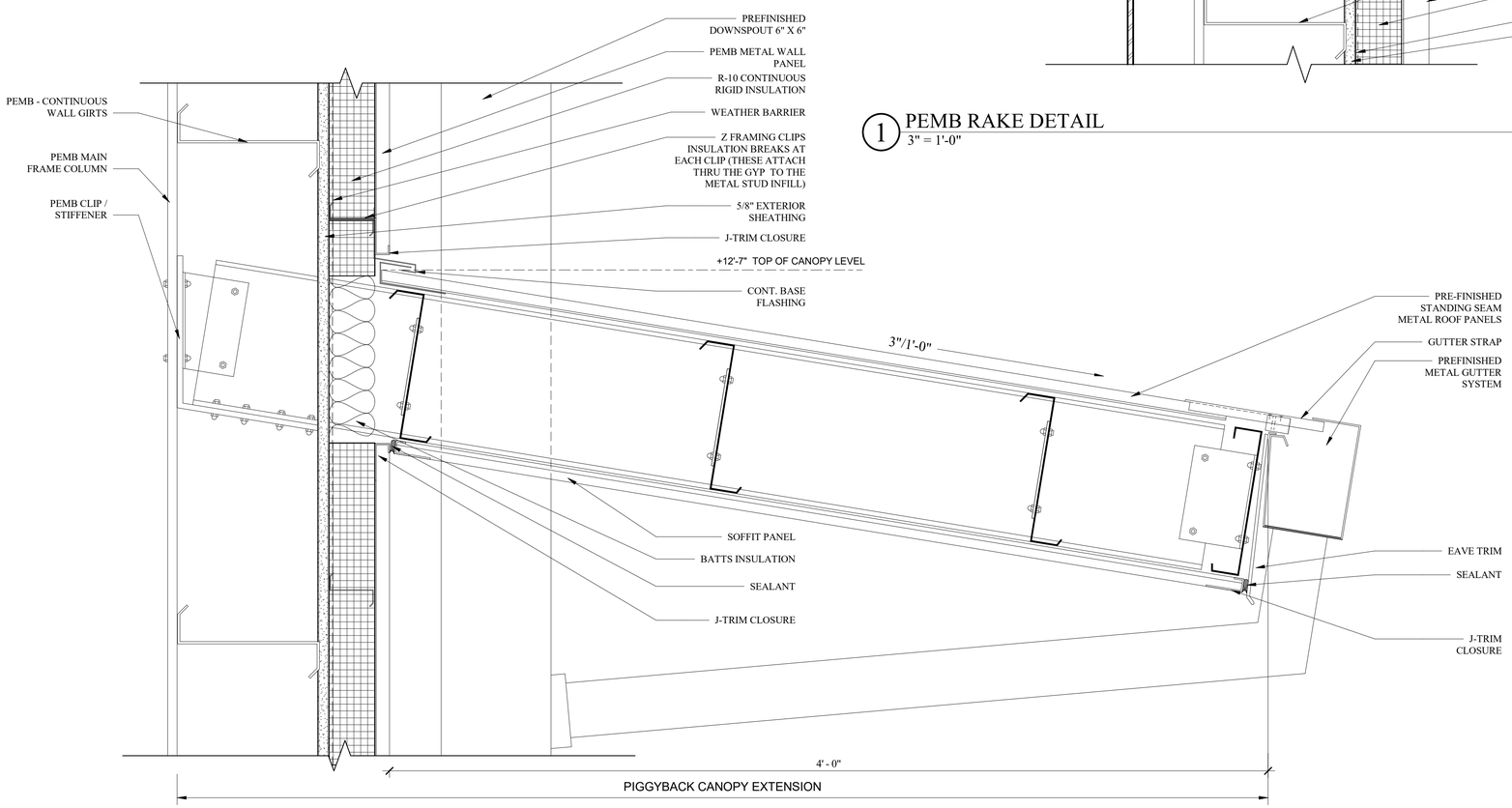
ROOF DETAILS

SHEET NO.

AE-5-05




1 PEMB RAKE DETAIL
3" = 1'-0"




2 CANOPY DETAIL
3" = 1'-0"

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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|---|---|
| DRAWN BY: | ON |
| CHECKED BY: | BH |
| COORD. CHECK: | TT / KP |
| FILE NAME: | L13189.026-AE-5-06.dwg |
| DATE: | 02AUG21 |
| SCALE: | 3" = 1'-0" |

| No. | Date | Description | By |
|---|---|---|---|

KEY MAP

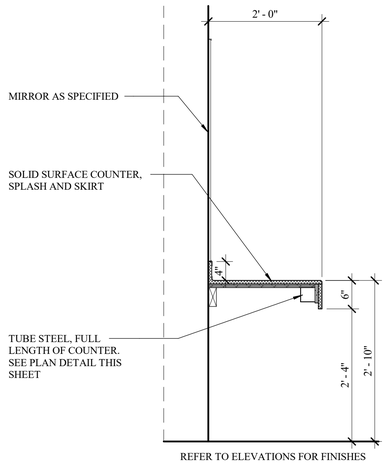
SECTOR J3

DRAWING DESCRIPTION:

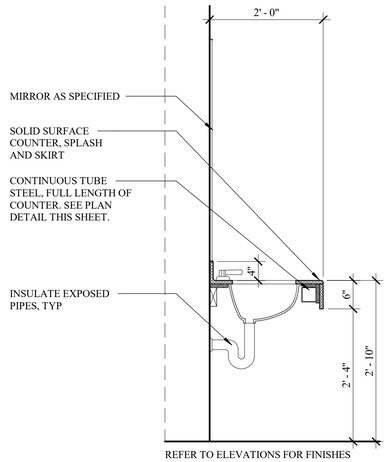
**ROOF DETAILS**

SHEET NO.

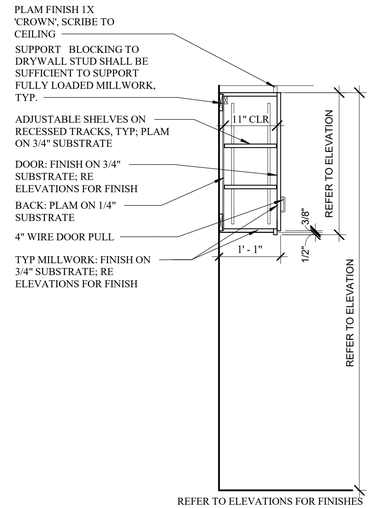
**AE-5-06**



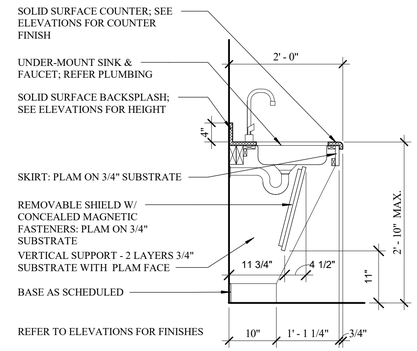

1 MILLWORK - VANITY COUNTER
3/4" = 1'-0"



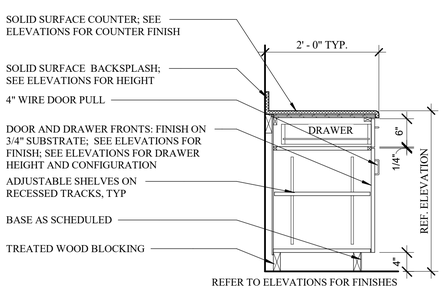

2 MILLWORK - VANITY COUNTER @ LAV
3/4" = 1'-0"



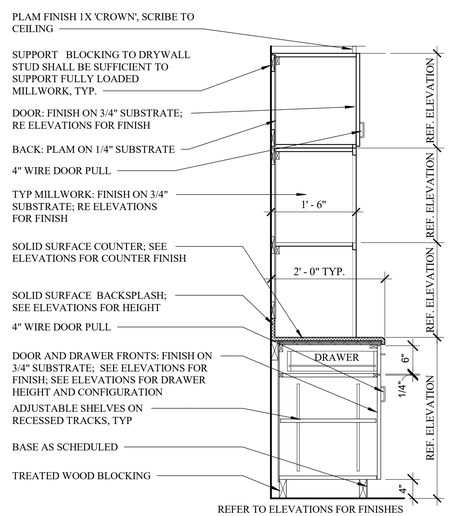

3 MILLWORK - UPPER CABINET
3/4" = 1'-0"



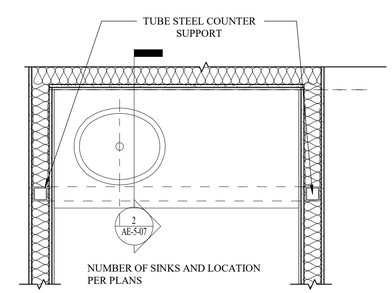

4 MILLWORK - SINK
3/4" = 1'-0"




5 MILLWORK - BASE WITH DOOR AND DRAWER
3/4" = 1'-0"




6 MILLWORK - BASE WITH TALL UPPER CABINET
3/4" = 1'-0"




7 BATHROOM COUNTER SUPPORT DETAIL
3/4" = 1'-0"

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | |
|---|---|---|---|---|
| DRAWN BY: | ON | | | |
| CHECKED BY: | BH | | | |
| COORD. CHECK: | TT / KP | | | |
| FILE NAME: | L13189.026-AE-5-07.dwg | | | |
| DATE: | 02AUG21 | | | |
| SCALE: | 3/4" = 1'-0" | No. | Date | Description | By |

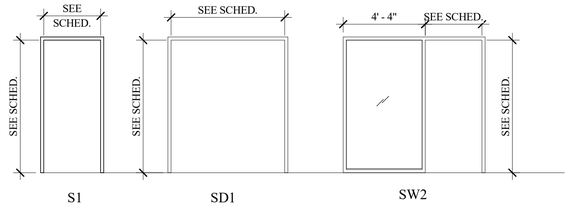
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

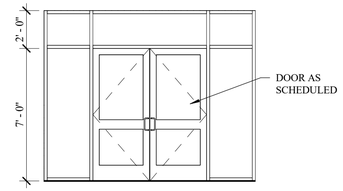
**CABINET DETAILS**

SHEET NO.

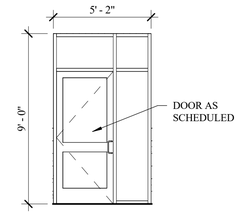
**AE-5-07**



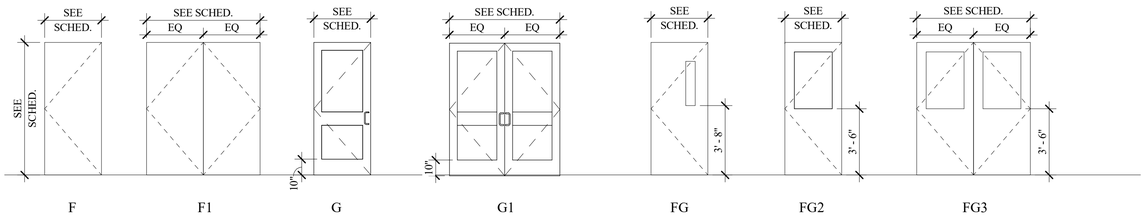

1 HOLLOW METAL DOOR FRAME ELEVATIONS
1/4" = 1'-0"



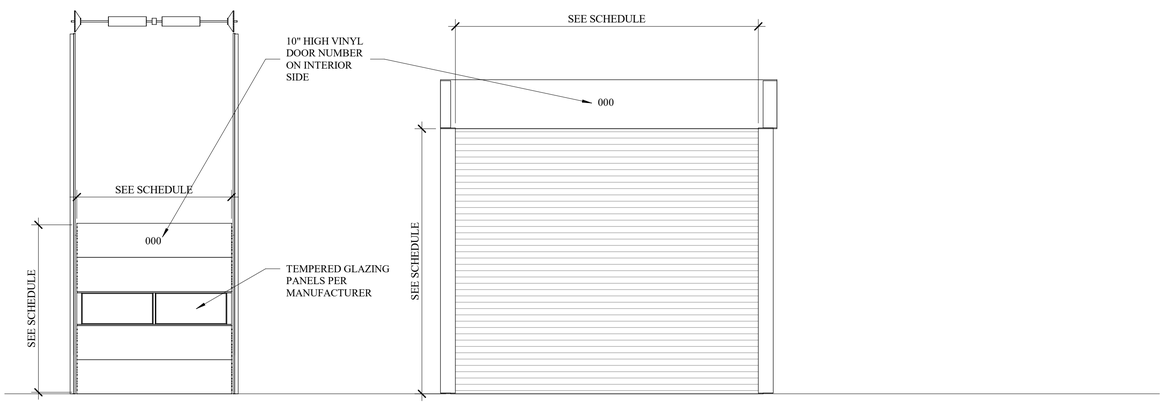

2 STOREFRONT FRAME SF-1
1/4" = 1'-0"



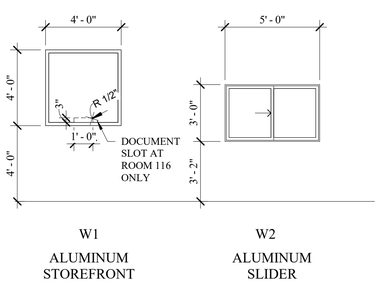

3 STOREFRONT FRAME SF-2
1/4" = 1'-0"



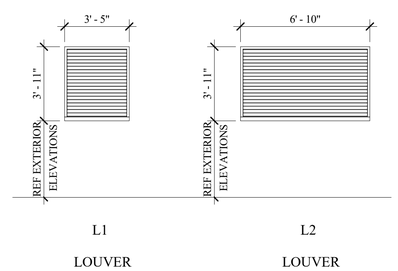

**NOTES:**
REFER TO SPECIFICATIONS FOR DOOR STILES AND RAIL SIZES.
REFER TO SCHEDULE FOR HARDWARE AND FIRE RATINGS.
REFER TO SPECIFICATIONS FOR TEMPERED/LAMOINATED GLAZING LOCATIONS




4 DOOR TYPE ELEVATIONS
1/4" = 1'-0"




5 WIINDOW TYPE ELEVATIONS
1/4" = 1'-0"




6 LOUVER TYPE ELEVATIONS
1/4" = 1'-0"

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

19JUL21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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | |
|---|---|---|---|---|
| DRAWN BY: ON | | | | |
| CHECKED BY: BH | | | | |
| COORD. CHECK: TT / KP | | | | |
| FILE NAME:L13189.026-AE-5-08.dwg | | | | |
| DATE: 02AUG21 | | | | |
| SCALE: 1/4" = 1'-0" | No. | Date | Description | By |

KEY MAP

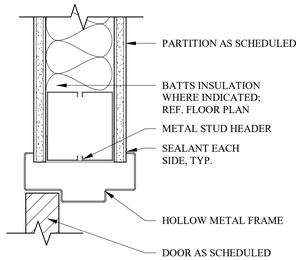
SECTOR J3

DRAWING DESCRIPTION:

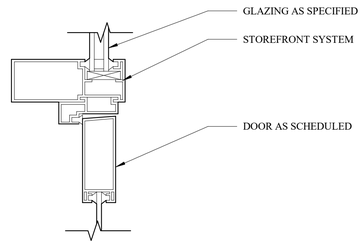
**DOOR TYPES, DOOR FRAMES, WINDOW, LOUVER TYPES**

SHEET NO.

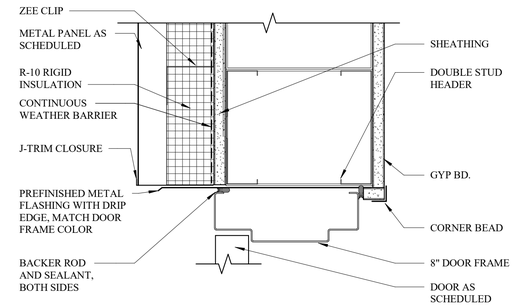
**AE-5-08**



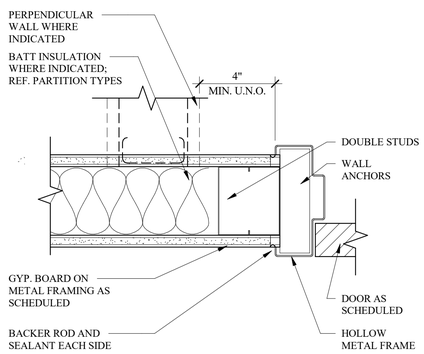

7 INT DTL DOOR HEAD
3" = 1'-0"



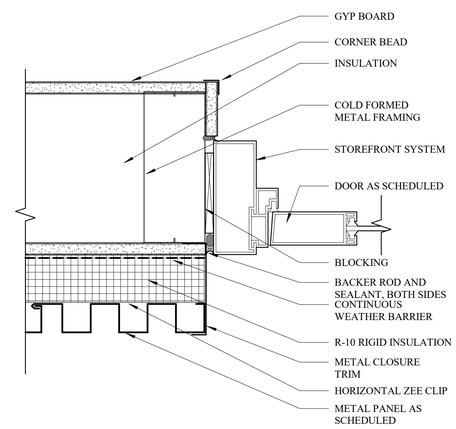

4 EXT DTL DOOR HEAD SF
3" = 1'-0"



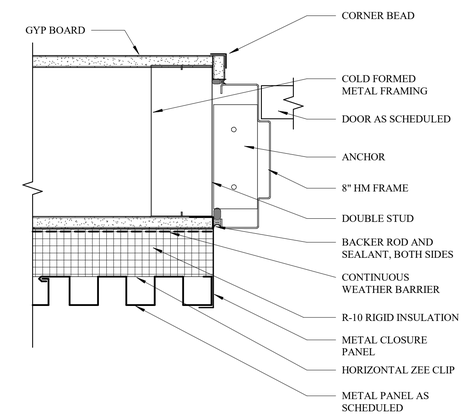

1 EXT DTL METAL PANEL DOOR HEAD HM
3" = 1'-0"



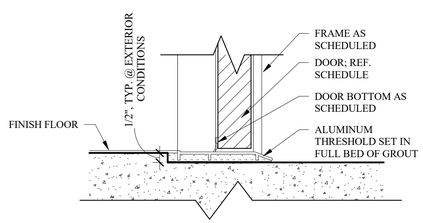

8 INT DTL DOOR JAMB
3" = 1'-0"



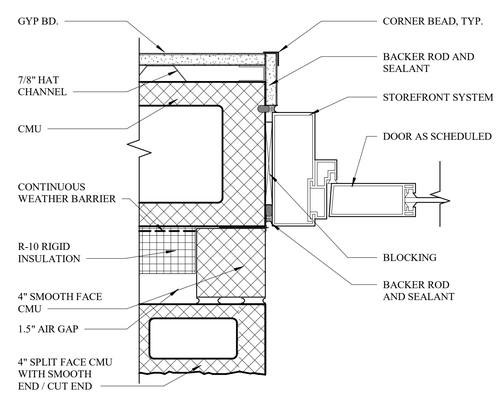

5 EXT DTL METAL PANEL DOOR JAMB SF
3" = 1'-0"



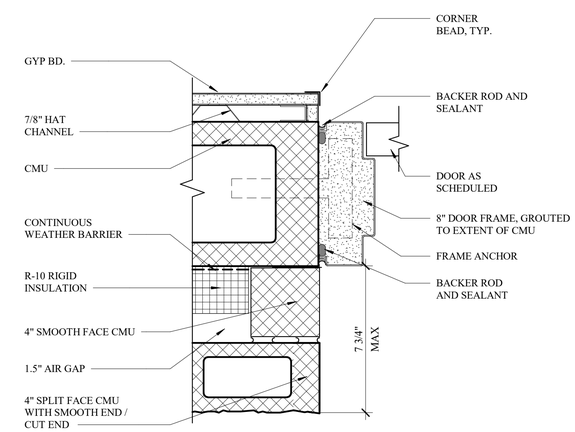

2 EXT DTL METAL PANEL DOOR JAMB HM
3" = 1'-0"



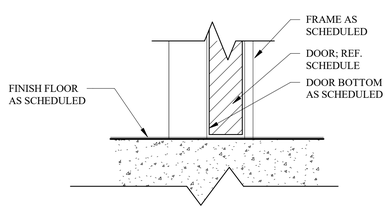

9 EXT DTL DOOR SILL
3" = 1'-0"




6 EXT DTL CMU DOOR JAMB HM
3" = 1'-0"




3 EXT DTL CMU DOOR JAMB HM
3" = 1'-0"




10 INT DTL DOOR SILL
3" = 1'-0"

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

19JUL21

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Austin TX 78758 - (512) 327-6840

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | |
|---|---|---|---|---|
| DRAWN BY: ON | | | | |
| CHECKED BY: BH | | | | |
| COORD. CHECK: TT / KP | | | | |
| FILE NAME:L13189.026-AE-5-09.dwg | | | | |
| DATE: 02AUG21 | | | | |
| SCALE: 3" = 1'-0" | No. | Date | Description | By |

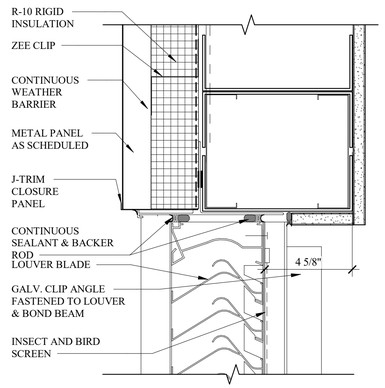
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

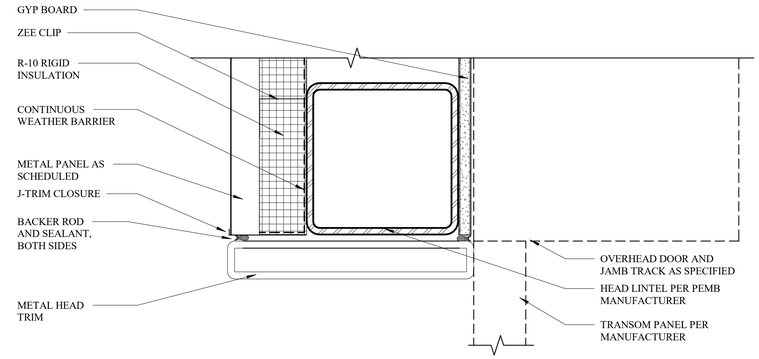
**DOOR DETAILS**

SHEET NO.

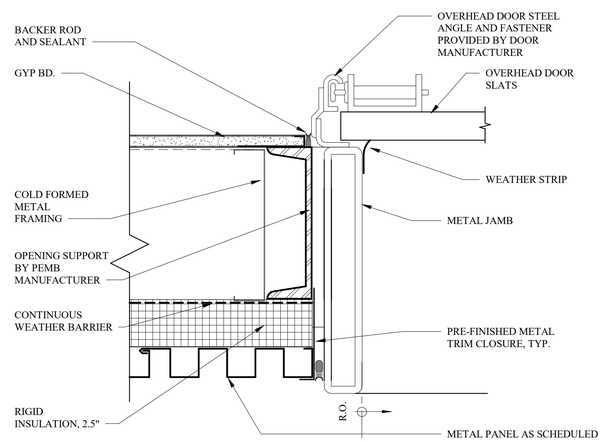
**AE-5-09**



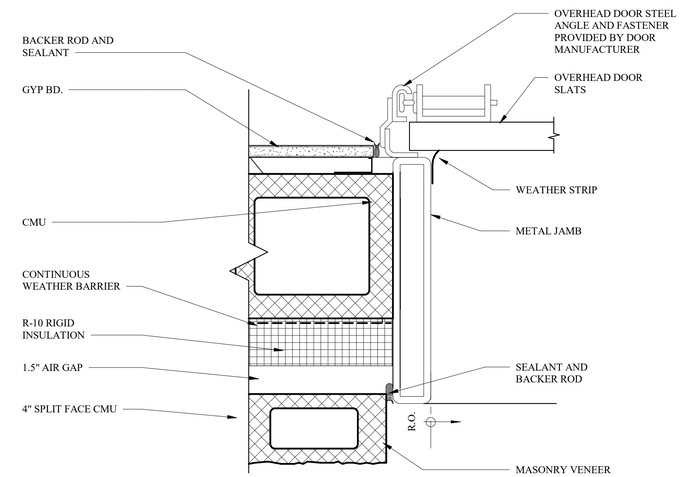

1 LOUVER HEAD DETAIL @ METAL PANEL
3" = 1'-0"



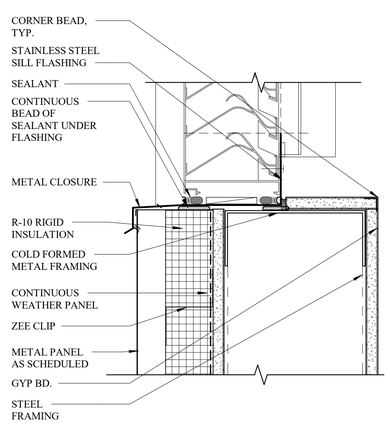

2 OVERHEAD DOOR HEAD
3" = 1'-0"



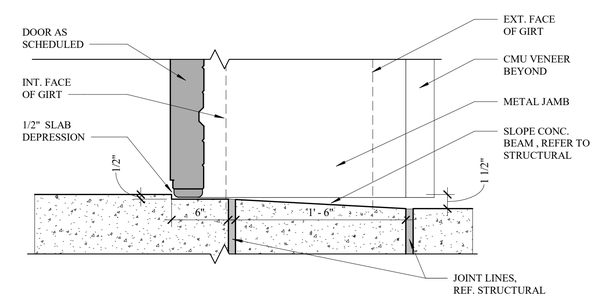

3 OVERHEAD DOOR - JAMB AT METAL PANEL
3" = 1'-0"




4 OVERHEAD DOOR - JAMB AT CMU
3" = 1'-0"




5 LOUVER SILL DETAIL @ METAL PANEL
3" = 1'-0"




6 DOOR SILL AT COILING DOOR
1 1/2" = 1'-0"

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

19JUL21

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | ON | | | | |
| CHECKED BY: | BH | | | | |
| COORD. CHECK: | TT / KP | | | | |
| FILE NAME: | L13189.026-AE-5-10.dwg | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | As indicated | No. | Date | Description | By |

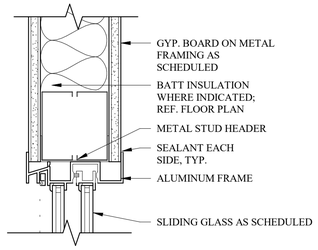
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

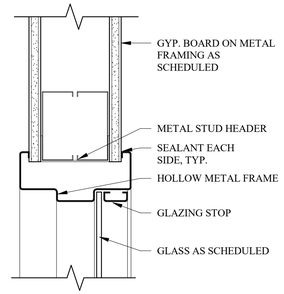
**DOOR AND LOUVER DETAILS**

SHEET NO.

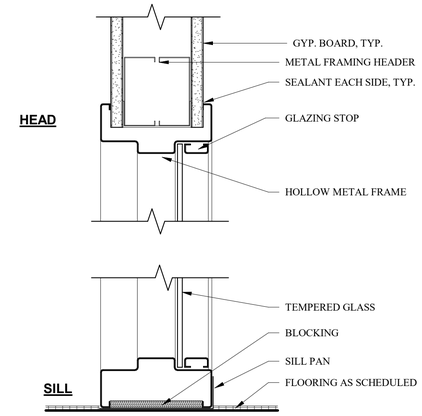
**AE-5-10**



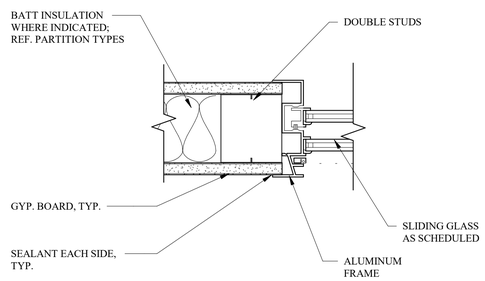

7 INT DTL SLIDING WINDOW HEAD AND SILL
3" = 1'-0"



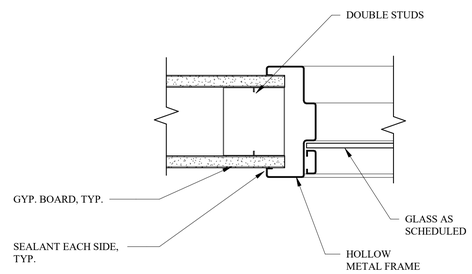

4 INT DTL FIXED WINDOW HEAD AND SILL
3" = 1'-0"



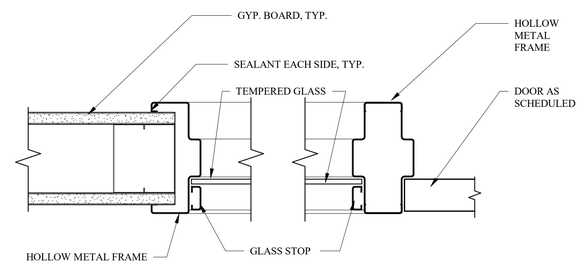

1 INT DTL DOOR SIDE WINDOW HEAD AND SILL
3" = 1'-0"



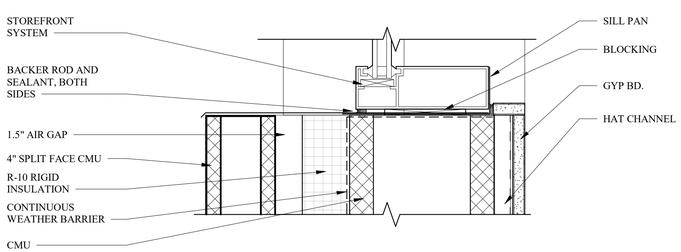

8 INT DOOR SLIDING WINDOW JAMB
3" = 1'-0"



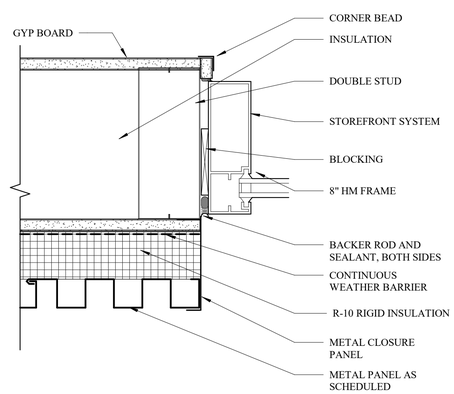

5 INT DOOR FIXED WINDOW JAMB
3" = 1'-0"



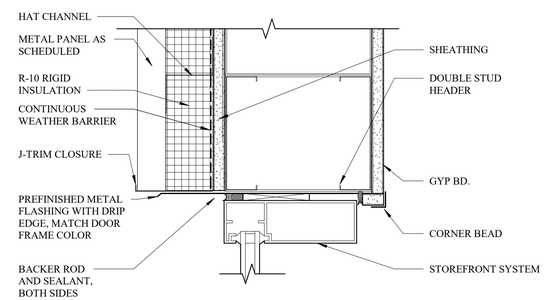

2 INT DTL DOOR SIDE WINDOW JAMB
3" = 1'-0"




9 WINDOW DETAILS
3" = 1'-0"




6 EXT DTL METAL PANEL WINDOW JAMB
3" = 1'-0"




3 EXT DTL METAL PANEL WINDOW HEAD
3" = 1'-0"

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REGISTERED ARCHITECT THIEU QUOC TED TRAN 20944 STATE OF TEXAS

19JUL21

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11801 Domain Blvd., Suite 500 -
Austin TX 78758 - (512) 327-6840

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | |
|---|---|---|---|---|
| DRAWN BY: ON | | | | |
| CHECKED BY: BH | | | | |
| COORD. CHECK: TT / KP | | | | |
| FILE NAME: L13189.026-AE-5-11.dwg | | | | |
| DATE: 02AUG21 | | | | |
| SCALE: 3" = 1'-0" | No. | Date | Description | By |

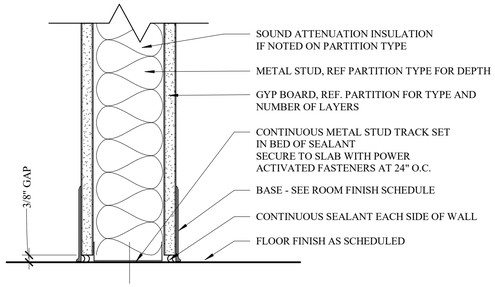
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

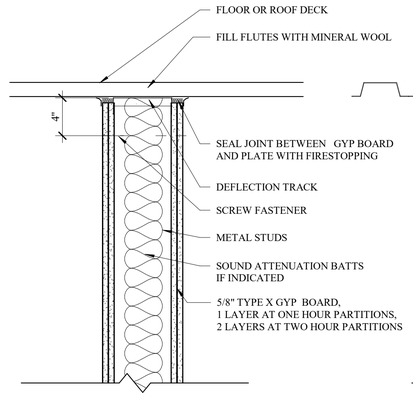
**WINDOW DETAILS**

SHEET NO.

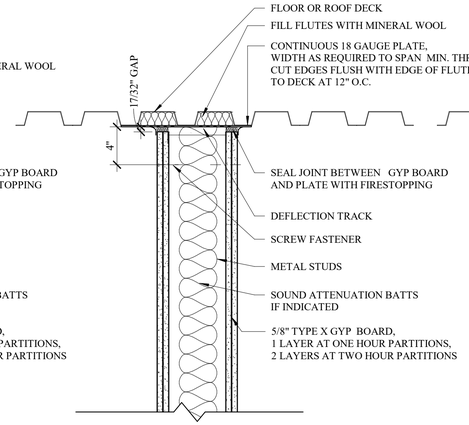
**AE-5-11**



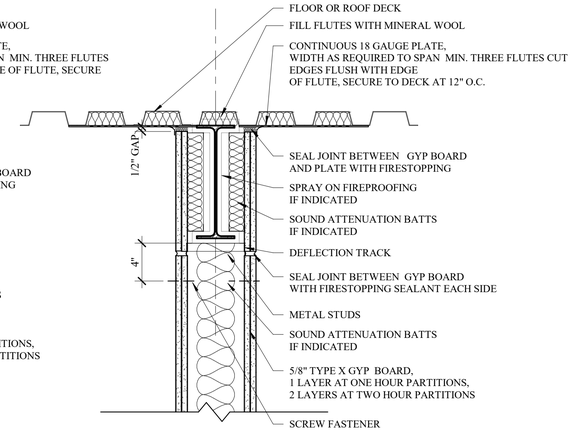

1 FLOOR TRACK DETAIL1
3" = 1'-0"




RATED PARTITION PERPENDICULAR TO DECK

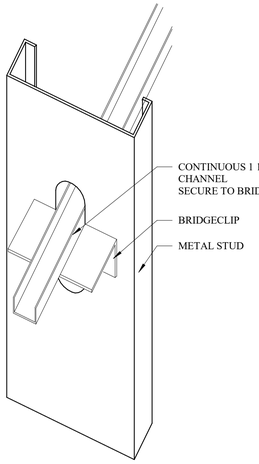


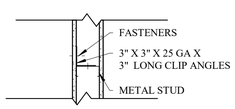

RATED PARTITION PARALLEL TO DECK




TYP BEAM PENETRATION AT RATED FIRE BARRIERS
PARALLEL TO DECK WHERE BEAM FITS IN WALL

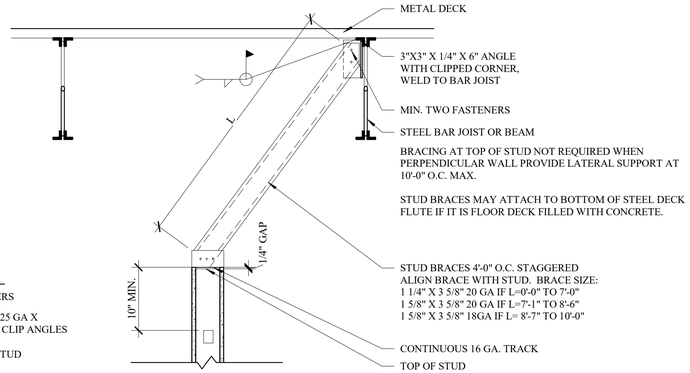
2 HEAD CONDITIONS AT RATED METAL STUDS
1 1/2" = 1'-0"



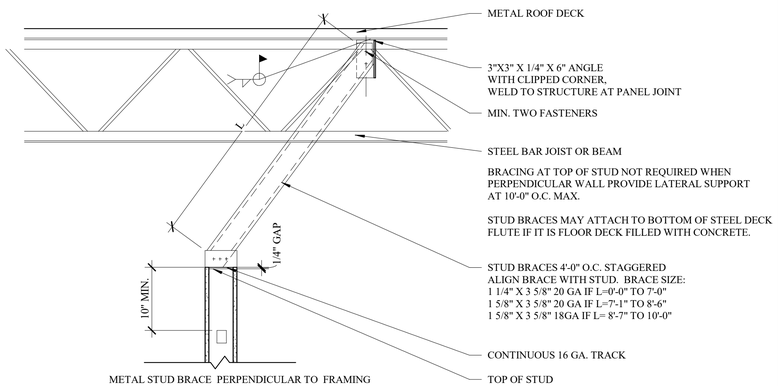




PLAN VIEW

3 TYP. BRIDGING
3" = 1'-0"




METAL STUD BRACE PARALLEL TO FRAMING




METAL STUD BRACE PERPENDICULAR TO FRAMING

4 METAL STUD BRACE DETAILS1
1" = 1'-0"

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

REGISTERED ARCHITECT
THIEU QUOC TED TRAN
20944
STATE OF TEXAS

19JUL21


ATKINS
11801 Domain Blvd., Suite 500 -
Austin TX 78758 - (512) 327-6840


AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

AUS CARGO DEVELOPMENT
EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No:00000 AIP/C Nos.: 0-00-0000-00-00

Austin-Bergstrom
International Airport

| | | | | |
|---|---|---|---|---|
| DRAWN BY: ON | | | | |
| CHECKED BY: BH | | | | |
| COORD. CHECK: TT / KP | | | | |
| FILE NAME: L13189.026-AE-5-12.dwg | | | | |
| DATE: 02AUG21 | | | | |
| SCALE: As indicated | No. | Date | Description | By |

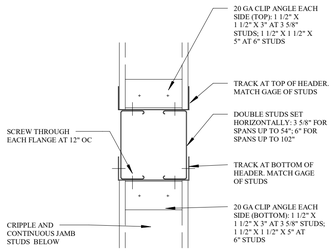
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

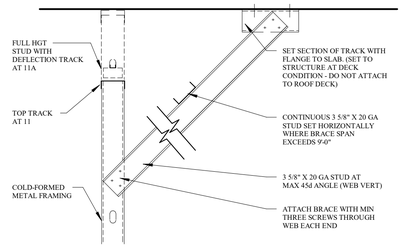
**METAL STUD PARTITION DETAILS**

SHEET NO.

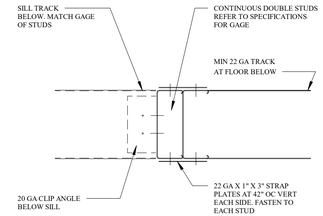
**AE-5-12**



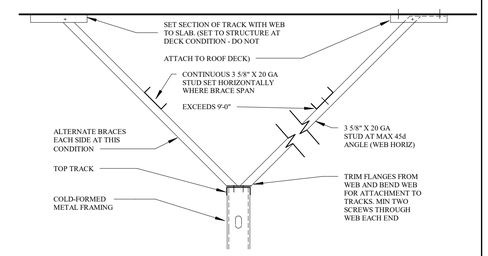

B6 TYP HEAD - LONG
3" = 1'-0"



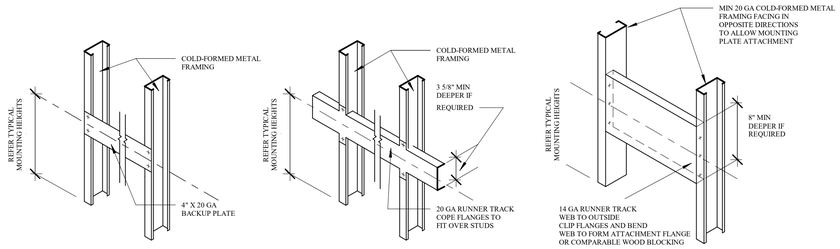

D3 TYP SPAN BRACING
3" = 1'-0"




D4 TYP SILL
3" = 1'-0"




D5 TYP HEAD BRACING
3" = 1'-0"

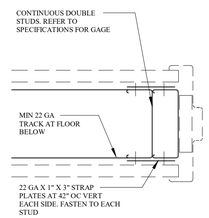



TYPE (A)
NOTE: ENGINEER TO ESTABLISH LOAD LIMITS

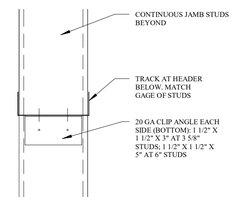
TYPE (B)
NOTE: ENGINEER TO ESTABLISH LOAD LIMITS

TYPE (C)
NOTE: ENGINEER TO ESTABLISH LOAD LIMITS

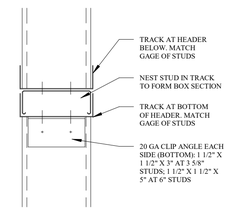
B1 TYP MOUNTING DETAILS
1/4" = 1'-0"




B3 TYP JAMB
3" = 1'-0"

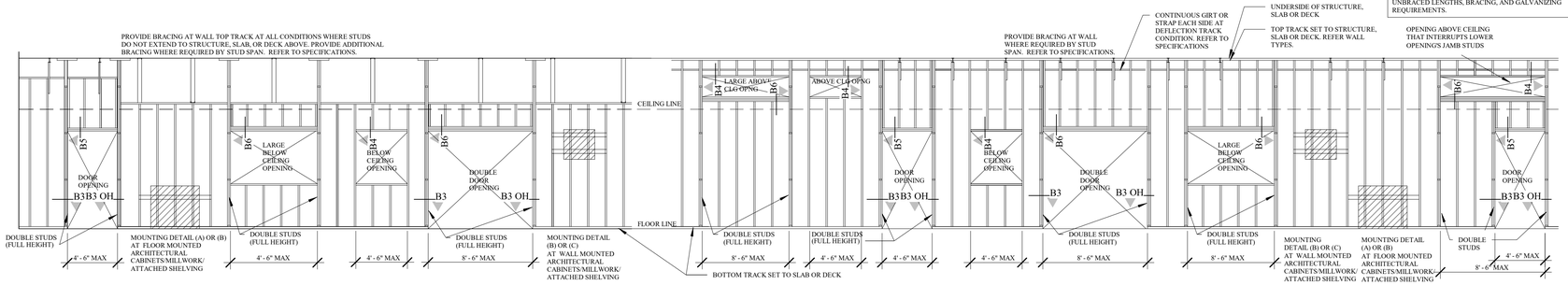



B4 TYP HEAD - SHORT
3" = 1'-0"




B5 TYP HEAD - MED
3" = 1'-0"

FRAMING NOTES
1. ALL STUDS ARE SPACED B5" OC MAXIMUM.
2. ALL STUDS AND TRACK TO BE MINIMUM 22 GA
3. DENOTES SHELVING OR CABINETRY.
4. REFER TO SPECIFICATIONS FOR STUD GAGE, SPACING, UNBRACED LENGTHS, BRACING, AND GALVANIZING REQUIREMENTS.




A1 TYPICAL PARTITION FRAMING
3/16" = 1'-0"

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/C No.s: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | |
|---|---|
| DRAWN BY: | ON |
| CHECKED BY: | BH |
| COORD. CHECK: | TT / KP |
| FILE NAME: | L13189.026-AE-5-13.dwg |
| DATE: | 02AUG21 |
| SCALE: | As indicated |

| No. | Date | Description | By |
|---|---|---|---|

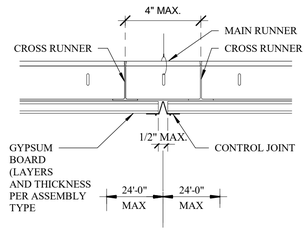
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

## METAL STUD PARTITION DETAILS

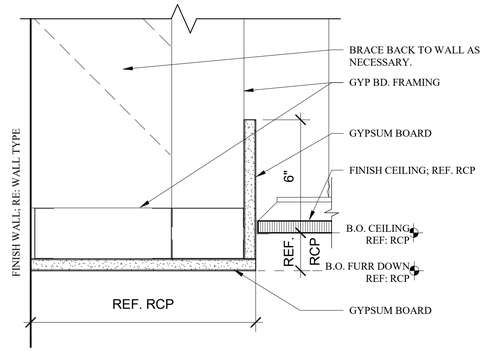
SHEET NO.

AE-5-13

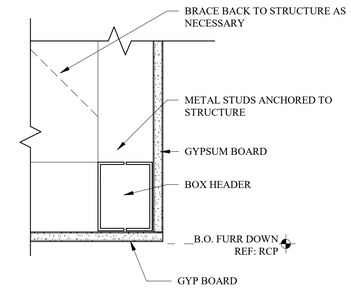



CONTROL JOINT AT NON-RATED ATTACHMENT
GYPSUM BOARD CEILING

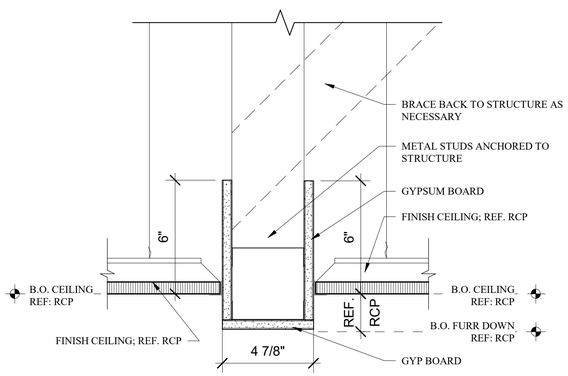
1 CLG CONTROL JT
3" = 1'-0"




2 CEILING DETAIL - GYP END @ACT
3" = 1'-0"




3 CEILING DETAIL - GYP END
3" = 1'-0"




4 CEILING DETAIL - FURR BETWEEN 2 CEILINGS - 1
3" = 1'-0"

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

19JUL21

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/C Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | |
|---|---|---|---|---|
| DRAWN BY: ON | | | | |
| CHECKED BY: BH | | | | |
| COORD. CHECK: TT / KP | | | | |
| FILE NAME: L13189.026-AE-5-14.dwg | | | | |
| DATE: 02AUG21 | | | | |
| SCALE: 3" = 1'-0" | No. | Date | Description | By |

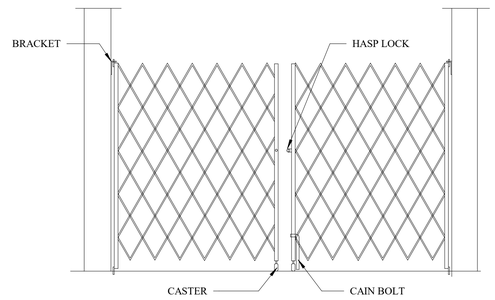
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

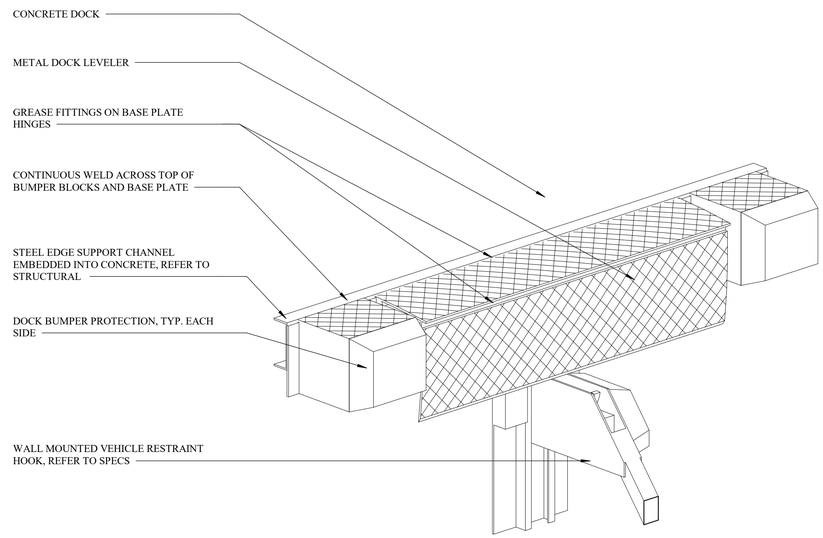
**CEILING DETAILS**

SHEET NO.

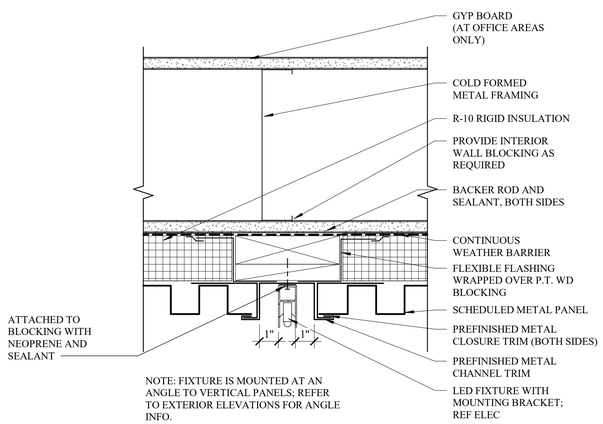
**AE-5-14**



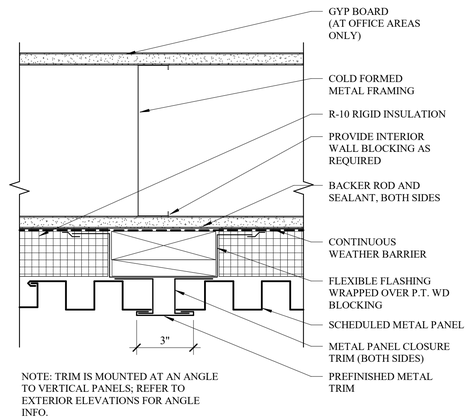

1 FOLDING GATE @ DOCKS
1/2" = 1'-0"



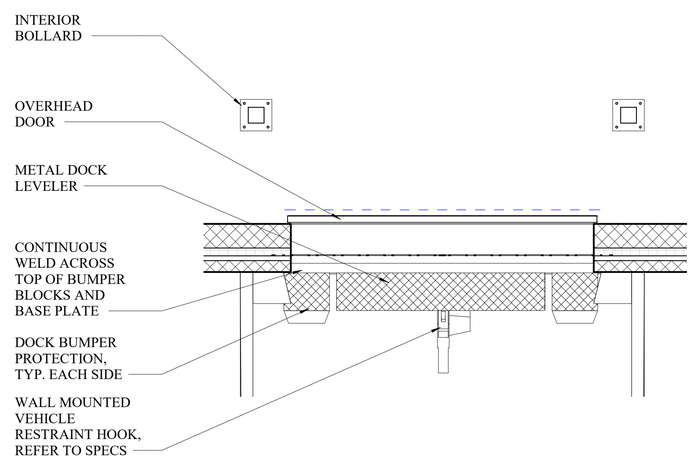

2 HYDRAULIC EDGE OF DOCK LEVELER




3 EXT DTL LED FXITURE & METAL PANEL
3" = 1'-0"




4 EXT DTL METAL PANEL TRIM
3" = 1'-0"




5 SCISSOR LIFT PLAN1
1/2" = 1'-0"

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

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9402 FREIGHT LN, AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | |
|---|---|---|---|---|
| DRAWN BY: ON | | | | |
| CHECKED BY: BH | | | | |
| COORD. CHECK: TT / KP | | | | |
| FILE NAME:L13189.026-AE-5-15.dwg | | | | |
| DATE: 02AUG21 | | | | |
| SCALE: As indicated | No. | Date | Description | By |

KEY MAP

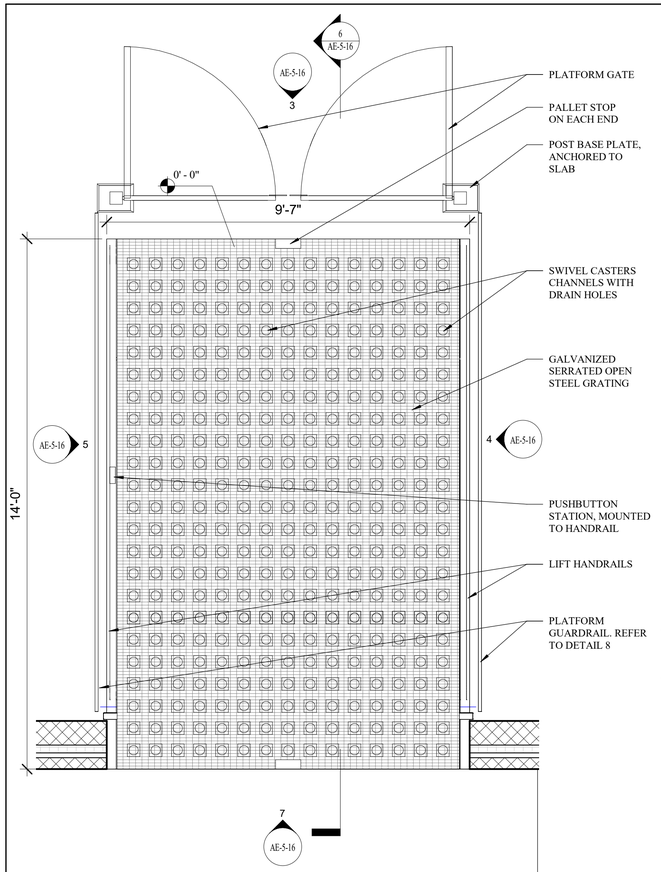
SECTOR J3

DRAWING DESCRIPTION:

## MISCELLANEOUS DETAILS

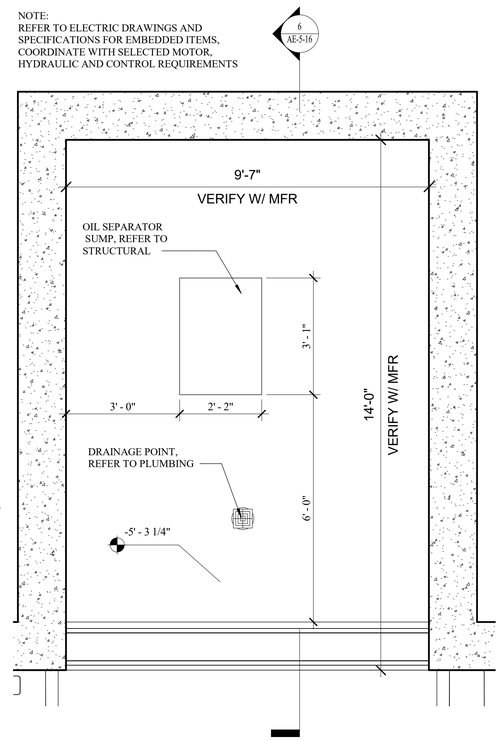
SHEET NO.

AE-5-15

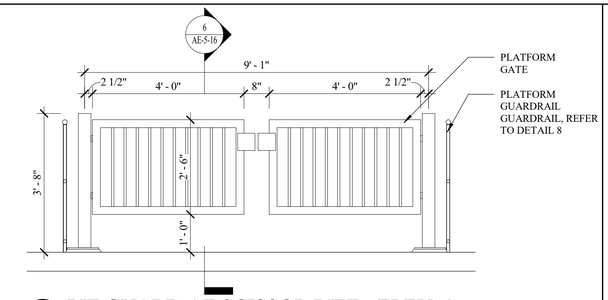



1 SCISSOR LIFT PLAN
1/2" = 1'-0"

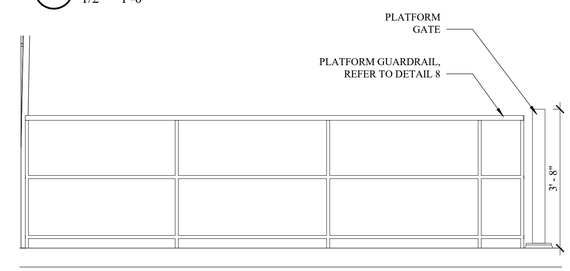
NOTE:
REFER TO ELECTRIC DRAWINGS AND SPECIFICATIONS FOR EMBEDDED ITEMS, COORDINATE WITH SELECTED MOTOR, HYDRAULIC AND CONTROL REQUIREMENTS



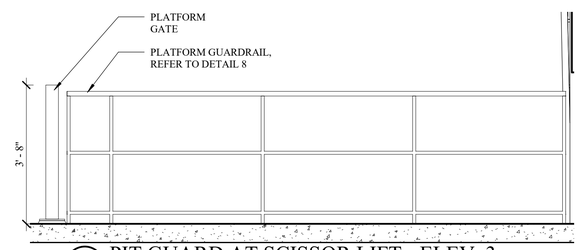

2 SCISSOR LIFT PIT PLAN
1/2" = 1'-0"



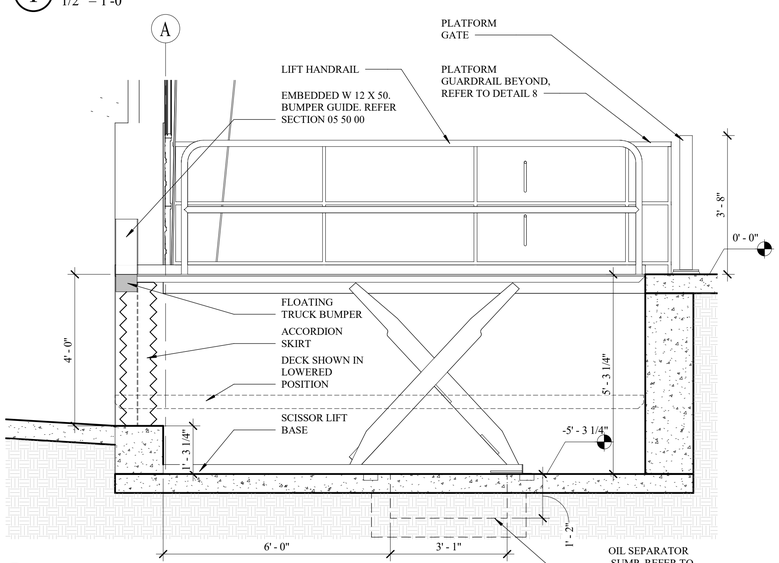

3 PIT GUARD AT SCISSOR LIFT - ELEV. 1
1/2" = 1'-0"



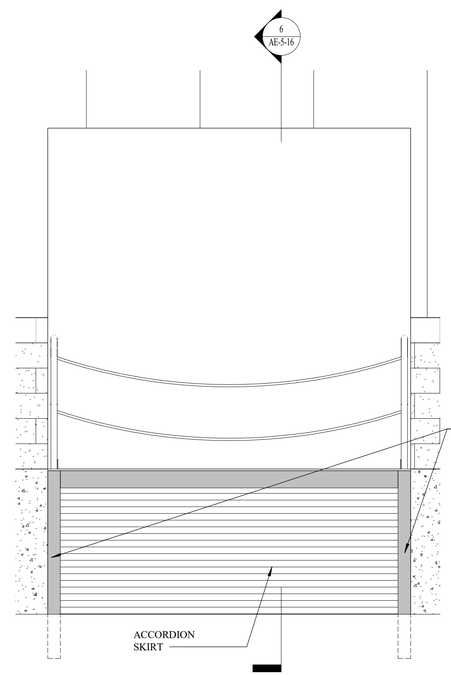

4 PIT GUARD AT SCISSOR LIFT - ELEV. 2
1/2" = 1'-0"



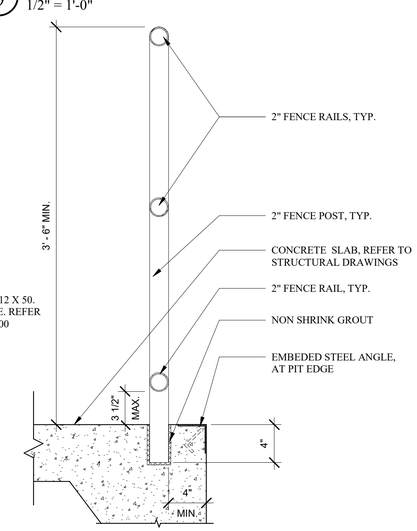

5 PIT GUARD AT SCISSOR LIFT - ELEV. 3
1/2" = 1'-0"




6 SCISSOR LIFT SECTION
1/2" = 1'-0"




7 SCISSOR LIFT - ELEVATION 3
1/2" = 1'-0"




8 GUARDRAIL DETAIL
1 1/2" = 1'-0"

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REGISTERED ARCHITECT THIEN QUOC TED TRAN 20894 STATE OF TEXAS

19JUL21


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Austin TX 78758 - (512) 327-6840


AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No:00000|AIP/C.Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | ON | | | | |
| CHECKED BY: | BH | | | | |
| COORD. CHECK: | TT / KP | | | | |
| FILE NAME: | L13189.026-AE-5-16.dwg | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | As indicated | No. | Date | Description | By |

KEY MAP

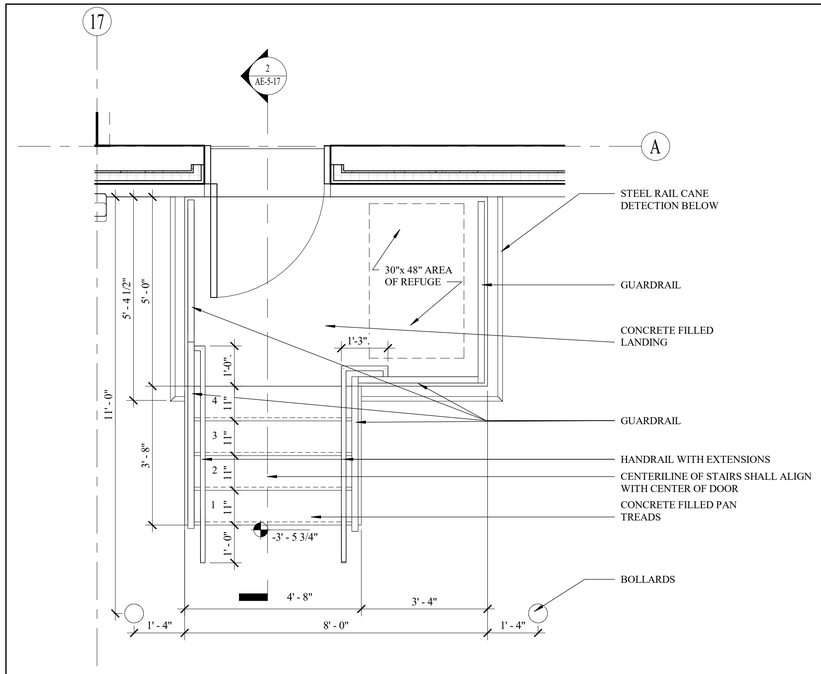
SECTOR J3

DRAWING DESCRIPTION:

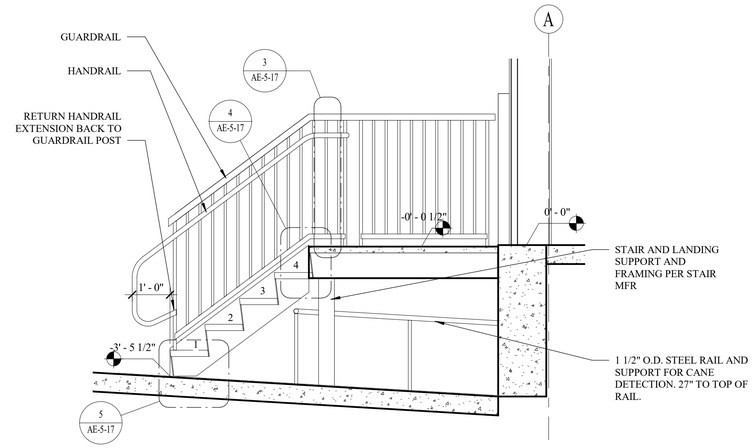
## SCISSOR LIFT DETAILS

SHEET NO.

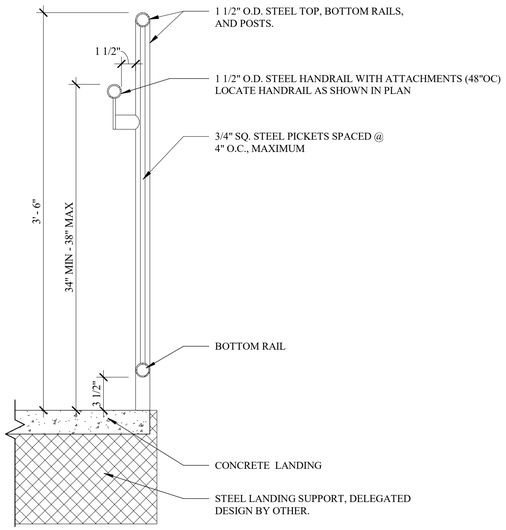
AE-5-16



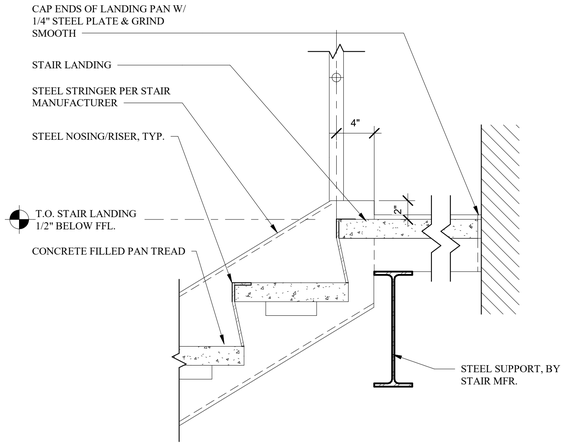

1 ENLARGED PLAN - STAIRS (TYP)
1/2" = 1'-0"



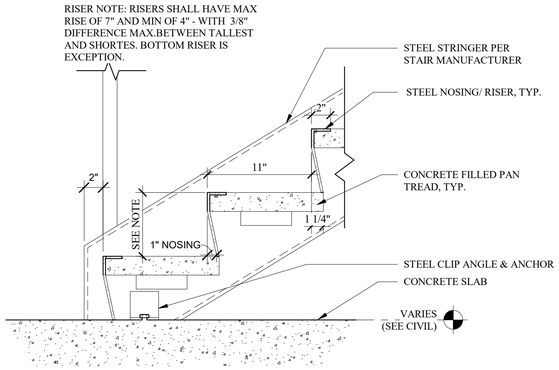

2 SECTION THRU STAIRS
1/2" = 1'-0"




3 DETAIL-GUARDRAIL, TYP.
1 1/2" = 1'-0"




4 TOP TREAD DETAIL
1 1/2" = 1'-0"




5 BOTTOM TREAD DETAIL
1 1/2" = 1'-0"

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | |
|---|---|
| DRAWN BY: | ON |
| CHECKED BY: | BH |
| COORD. CHECK: | TT / KP |
| FILE NAME: | L13189.026-AE-5-17.dwg |
| DATE: | 02AUG21 |
| SCALE: | As indicated |

| No. | Date | Description | By |
|---|---|---|---|

KEY MAP

SECTOR J3

DRAWING DESCRIPTION:

STAIR DETAILS

SHEET NO.

AE-5-17

## DOOR AND FRAME SCHEDULE

| DOOR NO. | LEAF TYPE | DOOR SIZE WIDTH | DOOR SIZE HEIGHT | DOOR MAT'L | DOOR STYLE | FRAME MAT'L | FRAME STYLE | DETAIL HEAD | DETAIL JAMB | DETAIL SILL | EAC | HARD-WARE | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 101 | DBL | 6' - 0" | 7' - 0" | AL | GI | AL | SF-1 | 4/AE-5-09 | 5 & 6/AE-5-09 | 9/AE-5-09 | | 714A | AL ST |
| 102 | DBL | 6' - 0" | 7' - 0" | H | F1 | H | SD1 | 1/AE-5-09 | 1 & 2/AE-5-09 | 9/AE-5-09 | Y | C214 | |
| 103 | DBL | 3' - 0" | 7' - 0" | AL | G | AL | SF-2 | 4/AE-5-09 | 5 & 6/AE-5-09 | 9/AE-5-09 | | 715A | AL ST |
| 104 | SGL | 3' - 0" | 7' - 0" | H | F | H | S1 | 7/AE-5-09 | 8/AE-5-09 | - | | 341 | |
| 106A | SGL | 3' - 0" | 7' - 0" | W | F | H | SW1 | 7/AE-5-09 | 8/AE-5-09 | 10/AE-5-09 | | 507 | |
| 106B | SGL | 3' - 0" | 7' - 0" | H | FG | H | S1 | 7/AE-5-09 | 8/AE-5-09 | 10/AE-5-09 | Y | C207 | |
| 107 | SGL | 3' - 0" | 7' - 0" | W | F | H | SW1 | 7/AE-5-09 | 8/AE-5-09 | 10/AE-5-09 | | 103 | |
| 108 | SGL | 3' - 0" | 7' - 0" | W | F | H | SW1 | 7/AE-5-09 | 8/AE-5-09 | 10/AE-5-09 | | 103 | |
| 109 | SGL | 3' - 0" | 7' - 0" | W | F | H | SW1 | 7/AE-5-09 | 8/AE-5-09 | 10/AE-5-09 | | 103 | |
| 110 | SGL | 3' - 0" | 7' - 0" | W | F | H | SW1 | 7/AE-5-09 | 8/AE-5-09 | 10/AE-5-09 | | 103 | |
| 111 | SGL | 3' - 0" | 7' - 0" | W | F | H | SW1 | 7/AE-5-09 | 8/AE-5-09 | 10/AE-5-09 | | 103 | |
| 112 | SGL | 3' - 0" | 7' - 0" | W | F | H | SW1 | 7/AE-5-09 | 8/AE-5-09 | 10/AE-5-09 | | 103 | |
| 113 | SGL | 3' - 0" | 7' - 0" | W | F | H | SW1 | 7/AE-5-09 | 8/AE-5-09 | 10/AE-5-09 | | 103 | |
| 114 | SGL | 3' - 0" | 7' - 0" | W | F | H | SW1 | 7/AE-5-09 | 8/AE-5-09 | 10/AE-5-09 | | 103 | |
| 116 | SGL | 3' - 0" | 7' - 0" | W | F | H | SW1 | 7/AE-5-09 | 8/AE-5-09 | 10/AE-5-09 | | 103 | |
| 117 | SGL | 3' - 0" | 7' - 0" | H | FG | H | S1 | 7/AE-5-09 | 8/AE-5-09 | 10/AE-5-09 | | 501 | |
| 118 | DBL | 6' - 0" | 7' - 0" | AL | GI | AL | SF-1 | 4/AE-5-09 | 5 & 6/AE-5-09 | 9/AE-5-09 | | 714A | AL ST |
| 119A | DBL | 6' - 0" | 7' - 0" | H | FG3 | H | S2 | 7/AE-5-09 | 8/AE-5-09 | 10/AE-5-09 | | 800C1V | |
| 119B | DBL | 6' - 0" | 7' - 0" | H | FG3 | H | S2 | 7/AE-5-09 | 8/AE-5-09 | 10/AE-5-09 | | 800S1V | |
| 119C | SGL | 3' - 0" | 7' - 7" | ST | - | ST | - | | | | Y | C001 | SECURITY GATE |
| 119D | DBL | 7' - 10" | 7' - 7" | ST | - | ST | - | | | | Y | C001 | SECURITY TURNSTILE (OFCI) |
| 120 | SGL | 3' - 0" | 7' - 0" | H | F | H | S1 | 7/AE-5-09 | 8/AE-5-09 | - | | 801 | |
| 121 | SGL | 3' - 0" | 7' - 0" | H | F | H | S1 | 7/AE-5-09 | 8/AE-5-09 | - | | 801 | |
| 122 | SGL | 3' - 0" | 7' - 0" | H | F | H | S1 | 7/AE-5-09 | 8/AE-5-09 | 10/AE-5-09 | | 203 | |
| 123 | SGL | 3' - 0" | 7' - 0" | H | F | H | S1 | 7/AE-5-09 | 8/AE-5-09 | - | | 203 | |
| 124 | SGL | 3' - 0" | 7' - 0" | H | F | H | S1 | 1/AE-5-09 | 1 & 2/AE-5-09 | 9/AE-5-09 | | D725 | |
| 125 | SGL | 3' - 0" | 7' - 0" | H | F | H | S1 | 1/AE-5-09 | 1 & 2/AE-5-09 | 9/AE-5-09 | Y | C205 | |
| 126 | SGL | 3' - 0" | 7' - 0" | H | F | H | S1 | 1/AE-5-09 | 1 & 2/AE-5-09 | 9/AE-5-09 | Y | C205 | |
| 127 | SGL | 3' - 0" | 7' - 0" | H | F | H | S1 | 1/AE-5-09 | 1 & 2/AE-5-09 | 9/AE-5-09 | Y | C715 | |
| 128 | SGL | 3' - 0" | 7' - 0" | H | F | H | S1 | 1/AE-5-09 | 1 & 2/AE-5-09 | 9/AE-5-09 | Y | C715 | |
| 130 | SGL | 3' - 0" | 7' - 0" | H | F | H | S1 | 7/AE-5-09 | 8/AE-5-09 | - | | 203 | |
| 131 | SGL | 3' - 0" | 7' - 0" | H | F | H | S1 | 7/AE-5-09 | 8/AE-5-09 | - | | 801 | |
| 132 | SGL | 3' - 0" | 7' - 0" | H | F | H | S1 | 7/AE-5-09 | 8/AE-5-09 | - | | 801 | |
| 150A | SGL | 3' - 0" | 7' - 0" | H | F | H | S1 | 1/AE-5-09 | 1 & 2/AE-5-09 | 9/AE-5-09 | Y | C715 | |
| 150B | SGL | 3' - 0" | 7' - 0" | H | F | H | S1 | 1/AE-5-09 | 1 & 2/AE-5-09 | 9/AE-5-09 | Y | C715 | |
| 150C | SGL | 3' - 0" | 7' - 0" | H | F | H | S1 | 1/AE-5-09 | 1 & 2/AE-5-09 | 9/AE-5-09 | Y | C715 | |
| 150D | SGL | 3' - 0" | 7' - 0" | H | F | H | S1 | 1/AE-5-09 | 1 & 2/AE-5-09 | 9/AE-5-09 | Y | C715 | |
| 150E | SGL | 3' - 0" | 7' - 0" | H | F | H | S1 | 1/AE-5-09 | 1 & 2/AE-5-09 | 9/AE-5-09 | Y | X735 | |
| 150F | SGL | 3' - 0" | 7' - 0" | H | F | H | S1 | 1/AE-5-09 | 1 & 2/AE-5-09 | 9/AE-5-09 | Y | X735 | |
| 150G | SGL | 3' - 0" | 7' - 0" | H | F | H | S1 | 1/AE-5-09 | 1 & 2/AE-5-09 | 9/AE-5-09 | Y | X735 | |
| 151A | SGL | 3' - 0" | 7' - 0" | H | F | H | S1 | 1/AE-5-09 | 1 & 2/AE-5-09 | 9/AE-5-09 | Y | C715 | |
| 151B | SGL | 3' - 0" | 7' - 0" | H | F | H | S1 | 1/AE-5-09 | 1 & 2/AE-5-09 | 9/AE-5-09 | Y | X735 | |
| OC01 | OC | 16' - 0" | 14' - 0" | METAL | OCD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | Y | C001 | RTS |
| OC02 | OC | 16' - 0" | 14' - 0" | METAL | OCD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | Y | C001 | RTS |
| OC03 | OC | 16' - 0" | 14' - 0" | METAL | OCD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | Y | C001 | RTS |
| OC04 | OC | 16' - 0" | 14' - 0" | METAL | OCD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | Y | C001 | RTS |
| OC05 | OC | 16' - 0" | 14' - 0" | METAL | OCD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | Y | C001 | RTS |
| OC06 | OC | 16' - 0" | 14' - 0" | METAL | OCD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | Y | C001 | RTS |
| OC07 | OC | 16' - 0" | 14' - 0" | METAL | OCD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | Y | C001 | RTS |
| OC08 | OC | 16' - 0" | 14' - 0" | METAL | OCD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | Y | C001 | RTS |
| OC09 | OC | 16' - 0" | 14' - 0" | METAL | OCD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | Y | C001 | RTS |
| OC10 | OC | 16' - 0" | 14' - 0" | METAL | OCD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | Y | C001 | RTS |
| OS01 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS02 | OS | 9' - 7" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS03 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS04 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS05 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS06 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS07 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS08 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS09 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS10 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS11 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS12 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS13 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS14 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS15 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS16 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS17 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |

## DOOR AND FRAME SCHEDULE

| DOOR NO. | LEAF TYPE | DOOR SIZE WIDTH | DOOR SIZE HEIGHT | DOOR MAT'L | DOOR STYLE | FRAME MAT'L | FRAME STYLE | DETAIL HEAD | DETAIL JAMB | DETAIL SILL | EAC | HARD-WARE | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS18 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS19 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS20 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS21 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS22 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS23 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS24 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS25 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS26 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS27 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS28 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS29 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS30 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS31 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS32 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS33 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS34 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS35 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |
| OS36 | OS | 8' - 0" | 9' - 0" | METAL | OSD | NA | NA | 1/AE-5-10 | 2 & 4/AE-5-10 | 3/AE-5-10 | N | C001 | RTS |

## ABBREVIATION LEGEND

1. AL — ALUMINUM
2. AL ST — ALUMINUM STOREFRONT
3. DBL — DOUBLE (LEAF DOOR)
4. EAC — ELECTRONIC ACCESS CONTROL
5. H — HOLLOW METAL
6. OC — OVERHEAD COILING
7. OS — OVERHEAD SECTIONAL
8. RTS — REFER TO SPECIFICATIONS
9. SGL — SINGLE (LEAF DOOR)
10. ST — STEEL
11. W — WOOD

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19JUL21

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| DATE: 02AUG21 | | | | |
| SCALE: | No. | Date | Description | By |

KEY MAP

SECTOR J3

DRAWING DESCRIPTION:

**DOOR SCHEDULE**

SHEET NO.

**AE-6-01**

| _PARTITION TYPE SCHEDULE_ | | | |
|---|---|---|---|
| MARK | DESCRIPTION | FIRE RATING | TOP OF PARTITION |
| S3B0A | 3 5/8" METAL STUD: 5/8" GYP BD 1 SIDE | UNRATED | ABOVE CEILING + 6" |
| S6A0A | 6" METAL STUD: 5/8" GYP BD EACH SIDE | UNRATED | ABOVE CEILING + 6" |
| S6A0D | 6" METAL STUD: 5/8" GYP BD EACH SIDE | UNRATED | TO DECK |
| S6A1D* | 6" METAL STUD: 5/8" GYP BD EACH SIDE | ONE HOUR | TO DECK |
| S6C2D | 6" METAL STUD: 5/8" GYP BD EACH SIDE | 2 HR | TO DECK |
| S8A0D* | 8" METAL STUD: 5/8" GYP BD EACH SIDE | UNRATED | TO DECK |
| S8A1D* | 8" METAL STUD: 5/8" GYP BD EACH SIDE | ONE HOUR | TO DECK |
| S8F0D* | 8" METAL STUD: 5/8" GYP BD EACH SIDE AND ONE LAYER OF PLYWOOD SUBSTRATE (8' HEIGHT) ON WAREHOUSE SIDE | UNRATED | TO DECK |
| T-2 | WALL TILE | UNRATED | TO CEILING |

## PARTITION TYPE MARK LEGEND

EXAMPLE

S 3 A 1 D *

X # X # X *

3 5/8" METAL FRAMING WITH 1 LAYER OF GYP ON BOTH SIDES, 1 HOUR RATED, TO DECK WITH SOUND ATTENUATION INSULATION

1 - STRUCTURE TYPE

2 - STRUCTURE THICKNESS

3 - FINISH TYPE

4 - RATING

5 - TOP OF WALL

6 - INSULATION

1 - STRUCTURE TYPE

M = MASONRY
C = CONCRETE
S = METAL FRAMING
H = CH STUD
R = METAL FRAMING W/ RESILIENT CHANNEL
W = WOOD
T = HAT CHANNEL

2 - STRUCTURE THICKNESS

S
2 = 2 1/2"
3 = 3 5/8"
4 = 4"
6 = 6"
8 = 8"
10 = 10"
12 = 12"

M
4 = 3 5/8"
6 = 5 5/8"
8 = 7 5/8"
12 = 11 5/8"

W
4 = 3 1/2"
6 = 5 1/2"
8 = 7 1/4"

3 - GYP BD LAYER TYPE

A = ONE LAYER OF GYP ON BOTH SIDES
B = ONE LAYER OF GYP ON ONE SIDE
C = TWO LAYERS OF GYP ON BOTH SIDES
D = ONE LAYER OF GYP ON ONE SIDE AND TWO LAYERS OF GYP ON ONE SIDE
E = TWO LAYERS OF GYP ON ONE SIDE
F = ONE LAYER OF GYP ON BOTH SIDES + ONE LAYER OF PLYWOOD SUBSTRATE (8' HEIGHT) ON ONE SIDE
- = NO FINISH

4 - RATING

0 = NON-RATED
1 = 1-HOUR FIRE RATING
2 = 2-HOUR FIRE RATING
3 = 3-HOUR FIRE RATING
4 = 4-HOUR FIRE RATING
5 = 30 MIN FIRE RATING
S = SMOKE PARTITION

5 - TOP OF WALL

A = 6" ABOVE CEILING
B = TO CEILING
D = TO DECK
X = HALF WALL

## GENERAL PARTITION NOTES:

1. UNLESS NOTED ON THE PLANS WITH A KEYED PARTITION TYPE SYMBOL, ALL PARTITIONS SHALL BE TYPE S3A0B.

2. ALL FIRE RATED AND/OR SMOKE RATED PARTITIONS SHALL BE IDENTIFIED WITH PERMANENT SIGNS OR STENCILS ABOVE CEILING AND IN CONCEALED SPACES. IDENTIFICATION SHALL BE PERFORMED USING 6" HIGH RED LETTERING WHICH READS " FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS." OR " FIRE BARRIER - PROTECT ALL OPENINGS." OR "SMOKE BARRIER - PROTECT ALL OPENINGS." DEPENDING ON PARTITION TYPE. SPACE IDENTIFICATION EVERY 20'-0".

3. AT ALL FIRE RATED PARTITIONS AND SMOKE PARTITIONS, SEAL ALL PENETRATIONS AND SILL-WALL AND HEAD-WALL WITH FIRESTOPPING.

4. ALL FIRE RATED PARTITIONS SHALL BE CONSTRUCTED IN STRICT ADHERENCE AND CONFORMANCE TO UL TESTED ASSEMBLIES AS NOTED. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A COPY OF THE CURRENT UL FIRE RESISTANCE DIRECTORY AND HAVING IT AVAILABLE AT THE SITE.

5. AT NON-RATED OR NON-SMOKE TIGHT PARTITIONS WHICH ARE NOTED TO HAVE SOUND ATTENUATION BATTS, SEAL ALL PENETRATIONS AND SILL-WALL AND HEAD-WALL WITH ACOUSTICAL SEALANT.

6. WHERE GYPSUM WALLBOARD IS NOT APPLIED TO BOTH SIDES OF PARTITION FRAMING, INSTALL HORIZONTAL BRIDGING.

7. USE COATED GLASS MAT BACKER BOARD IN LIEU OF GYPSUM WALLBOARD AT ALL LOCATIONS SCHEDULED TO RECEIVE TILE.

8. ALL METAL FRAMINGS ARE CONTINUOUS FROM FLOOR TRACK TO STRUCTURE OR STRUCTURAL FRAMING ABOVE UNLESS NOTED OTHERWISE.

9. BOTTOM OF STRUCTURE REFERS TO BOTTOM OF METAL FLOOR DECK OR ROOF DECK, WHICHEVER IS APPLICABLE.

10. BOTTOM OF STRUCTURAL FRAMING REFERS TO BOTTOM OF BEAM, GIRDER, PURLIN OR BAR JOIST, WHICHEVER IS APPLICABLE.

11. AT PRE-ENGINEERED METAL BUILDINGS: METAL FRAMINGS SHALL HAVE A CONNECTION TO DECK FOR BRACING PURPOSES ABOVE THE SCHEDULED CEILING HEIGHT

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REGISTERED ARCHITECT THIEU QUOC TED TRAN 20944 STATE OF TEXAS

19JUL21

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9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/C Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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KEY MAP

SECTOR J3

DRAWING DESCRIPTION:

**PARTITION TYPES AND SCHEDULE**

SHEET NO.

**AE-6-02**

# FINISH LEGEND

ALL COLOR SECTIONS TO BE FROM MANUFACTURER'S STANDARD SELECTIONS.

**PAINT**

PT-1 SHERWIN WILLIAMS ELLIE GRAY SW7650 EGGSHELL FINISH
PT-1* SHERWIN WILLIAMS ELLIE GRAY SW7650 SEMIGLOSS FINISH
PT-2 SHERWIN WILLIAMS CITYSCAPE SW7067 SEMIGLOSS FINISH
(PT-2, HOLLOW METAL DOORS AND FRAMES, INTERIOR & EXTERIOR)

**CARPET**

CPT-1 CARPET
MANUFACTURER: SHAW
STYLE: BLOG BROADLOOM
COLOR: GRANITE 25500
GAUGE & STICHES:
YARN SYSTEM:
INSTALLATION:
BACKING:
SIZE:

**CONCRETE**

SC-1 CONCRETE FLOOR SLAB, FINISH WITH LIGHT SEAL.
REFER TO SPECIFICATIONS

**TILE**

T-1 CERAMIC TILE
MANUFACTURER: DAL TILE
STYLE: HAUT MONDE
COLOR: HM03 GLITTERATI GRANITE
SIZE: 12x24
INSTALLATION: STACK BOND

T-2 CERAMIC TILE
MANUFACTURER: DAL TILE
STYLE: HAUT MONDE
COLOR: HM05 ELITE GREY
SIZE: 12x12
INSTALLATION: STACK BOND

**TOILET PARTITIONS**

TP MANUFACTURER: REFER TO SPECIFICATIONS
STYLE: REFER TO SPECIFICATIONS
COLOR: TBD

**VINYL PLANK**

VP-1 VINYL PLANK FLOORING
MANUFACTURER: MOHAWK
STYLE: LINEATE
COLOR: CORD 957
SIZE: 9"x59" PLANK

**BASE**

B-1 4" COVE RUBBER BASE
MANUFACTURER: TARKETT
COLOR: 23 VAPOR GREY

**CEILINGS**

ACT 2'x2' ACOUSTICAL CEILING TILE
MANUFACTURER: ARMSTRONG
STYLE:
COLOR: WHITE
SUSPENSION:

GYP

**PLASTIC LAMINATE**

PL-1 LOCATION: EXPOSED SURFACES OF BASE CABINETS
MANUFACTURER: FORMICA
COLOR: 7197 DOVER WHITE

PL-2 LOCATION: EXPOSED SURFACES OF UPPER CABINETS
MANUFACTURER: FORMICA
COLOR: 7197 DOVER WHITE

PL-3 LOCATION: INTERIOR SURFACES OF CABINETS
MANUFACTURER: FORMICA
COLOR: 7197 DOVER WHITE

**SOLID SURFACE**

SS-1 MANUFACTURE: CORIAN
COLOR: SILVER BIRCH
THICKNESS: SEE DETAILS
EDGE PROFILE: SEE DETAILS

**WINDOW COVERING**

WC-1 ROLL-UP SHADES
MANUFACTURER: TBD
MATERIAL: FIBERGLASS/VINYL ON FIBERGLASS, RIBBED WEAVE
COLOR: TBD
MOUNTING: INSIDE (BETWEEN JAMBS)
OPERATION: MANUAL

PROVIDE AT ALL EXTERIOR WINDOWS

**SPECIALTY FINISHES**

FRP-1 FIBERGLASS REINFORCED PLASTIC (FRP) PANELS
MANUFACTURER: NUDO FIBERLITE
STYLE: EMBOSSED/PEBBLE
SIZE: PER PLAN
FINISH: STANDARD WHITE

## EXTERIOR FINISHES & COLOR

MP1A - METAL PANEL TYPE 1, COLOR A (SHASTA WHITE, TYP)

MP2A - METAL PANEL TYPE 2, COLOR A (SHASTA WHITE)
MP2B - METAL PANEL TYPE 2, COLOR B (BRISTOL BLUE)
MP2C - METAL PANEL TYPE 2, COLOR C (ROYAL BLUE)
MP2D - METAL PANEL TYPE 2, COLOR D (CITYSCAPE GREY)

METAL ACCENT TRIM (SEE EXTERIOR ELEVATION) - SHASTA WHITE

GUTTER - CITYSCAPE GREY

DOWNSPOUT - CITYSCAPE GREY

ROOF PANELS & ROOF TRIM - CITYSCAPE GREY

LOUVER COLOR - MATCH METAL PANEL COLOR OR PT-2*

CMU COLOR - COLOR 1 FOR SPLIT FACE AND COLOR 2 FOR SMOOTH

NOTES:
1. ALL COLORS TO BE VERIFIED AND APPROVED BY ABIA.
2. COLORS FROM MANUFACTURER STANDARD SELECTIONS.

ROOM FINISH SCHEDULE

| Room No. | Name | Floor Finish | Base Finish | WALLS North | WALLS East | WALLS South | WALLS West | Ceiling Finish | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 101 | SOUTH ENTRY | VP-1 | B-1 | PT-1 | PT-1 | PT-1 | PT-1 | ACT | |
| 102 | F.R. | SC-1 | - | PT-1 | PT-1 | PT-1 | PT-1 | EXPOSED PT-1 | |
| 103 | DRIVER LOUNGE | VP-1 | B-1 | PT-1 | PT-1 | PT-1 | PT-1 | ACT | PROVIDE 60" H. FRP-1 BEHIND WATER FOUNTAIN |
| 104 | R.R. | T-1 | T-1 | T-2/PT-1 | T-2/PT-1 | T-2/PT-1 | T-2/PT-1 | GYP/PT-1* | |
| 105 | CORRIDOR 1 | VP-1 | B-1 | PT-1 | PT-1 | PT-1 | PT-1 | ACT | |
| 106 | OPEN OFFICE | CPT-1 | B-1 | PT-1 | PT-1 | PT-1 | PT-1 | ACT | |
| 107 | OFFICE 4 | CPT-1 | B-1 | PT-1 | PT-1 | PT-1 | PT-1 | ACT | |
| 108 | OFFICE 3 | CPT-1 | B-1 | PT-1 | PT-1 | PT-1 | PT-1 | ACT | |
| 109 | OFFICE 2 | CPT-1 | B-1 | PT-1 | PT-1 | PT-1 | PT-1 | ACT | |
| 110 | OFFICE 1 | CPT-1 | B-1 | PT-1 | PT-1 | PT-1 | PT-1 | ACT | |
| 111 | OFFICE 5 | CPT-1 | B-1 | PT-1 | PT-1 | PT-1 | PT-1 | ACT | |
| 112 | OFFICE 6 | CPT-1 | B-1 | PT-1 | PT-1 | PT-1 | PT-1 | ACT | |
| 113 | OFFICE 7 | CPT-1 | B-1 | PT-1 | PT-1 | PT-1 | PT-1 | ACT | |
| 114 | OFFICE 8 | CPT-1 | B-1 | PT-1 | PT-1 | PT-1 | PT-1 | ACT | |
| 116 | OFFICE 9 | CPT-1 | B-1 | PT-1 | PT-1 | PT-1 | PT-1 | ACT | |
| 117 | TRAINING | CPT-1 | B-1 | PT-1 | PT-1 | PT-1 | PT-1 | ACT | |
| 118 | EAST ENTRY | VP-1 | B-1 | PT-1 | PT-1 | PT-1 | PT-1 | ACT | |
| 119 | HALLWAY 1 | VP-1 | B-1 | PT-1 | PT-1 | PT-1 | PT-1 | GYP/PT-1 | |
| 120 | WOMEN | T-1 | T-1 | T-2/PT-1 | T-2/PT-1 | T-2/PT-1 | T-2/PT-1 | GYP/PT-1* | |
| 121 | MEN | T-1 | T-1 | T-2/PT-1 | T-2/PT-1 | T-2/PT-1 | T-2/PT-1 | GYP/PT-1* | |
| 122 | STORAGE | VP-1 | B-1 | PT-1 | PT-1 | PT-1 | PT-1 | ACT | |
| 123 | JAN. 1 | T-1 | T-1 | PT-1/FRP-1 | PT-1/FRP-1 | PT-1/FRP-1 | PT-1/FRP-1 | GYP/PT-1* | FRP TO BE 60" HIGH |
| 124 | BREAK ROOM | VP-1 | B-1 | PT-1 | PT-1 | PT-1 | PT-1 | ACT | |
| 125 | MECH. ROOM | SC-1 | - | PT-1 | PT-1 | PT-1 | PT-1 | | |
| 126 | COMM. | SC-1 | - | PT-1 | PT-1 | PT-1 | PT-1 | | |
| 127 | ELEC. 1 | SC-1 | - | PT-1 | PT-1 | PT-1 | PT-1 | | |
| 128 | ELEC. 2 | SC-1 | - | PT-1 | PT-1 | PT-1 | PT-1 | | |
| 129 | HALLWAY 2 | SC-1 | B-1 | PT-1 | PT-1 | PT-1/FRP-1 | PT-1 | GYP/PT-1 | FRP TO BE 60" HIGH |
| 130 | JAN. 2 | T-1 | T-1 | PT-1/FRP-1 | PT-1/FRP-1 | PT-1/FRP-1 | PT-1/FRP-1 | GYP/PT-1* | FRP TO BE 60" HIGH |
| 131 | WOMEN | T-1 | T-1 | T-2/PT-1 | T-2/PT-1 | T-2/PT-1 | T-2/PT-1 | GYP/PT-1* | |
| 131 | CAGE 1 | SC-1 | - | NA | NA | NA | NA | NA | |
| 132 | MEN | T-1 | T-1 | T-2/PT-1 | T-2/PT-1 | T-2/PT-1 | T-2/PT-1 | GYP/PT-1* | |
| 133 | CAGE 2 | SC-1 | - | NA | NA | NA | NA | NA | |
| 134 | CAGE 3 | SC-1 | - | NA | NA | NA | NA | NA | |
| 150 | TRANSFER SPACE | SC-1 | - | PT-1 | PT-1 | PT-1 | PT-1 | EXPOSED PT-1 | |
| 151 | LEASE AREA | SC-1 | - | EXPOSED | EXPOSED | EXPOSED | EXPOSED | EXPOSED | |

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KEY MAP SECTOR J3

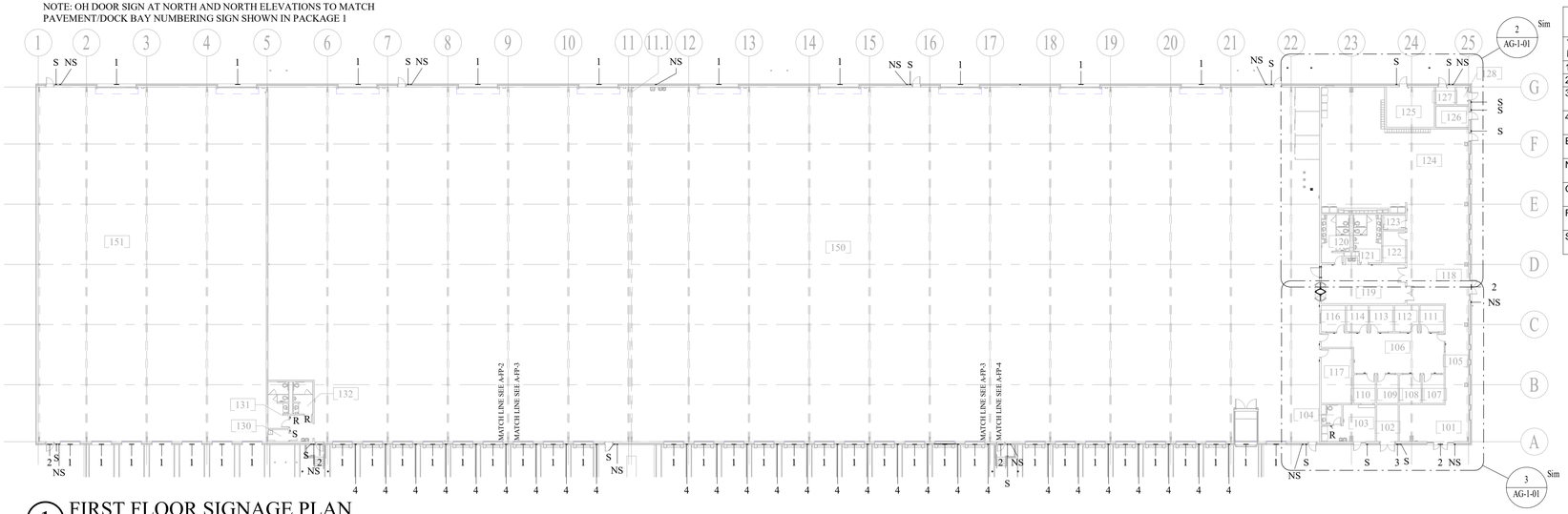
DRAWING DESCRIPTION:

**FINISH LEGEND, ROOM FINISH SCHEDULE**

SHEET NO.

**AE-6-03**

NOTE: OH DOOR SIGN AT NORTH AND NORTH ELEVATIONS TO MATCH PAVEMENT/DOCK BAY NUMBERING SIGN SHOWN IN PACKAGE 1



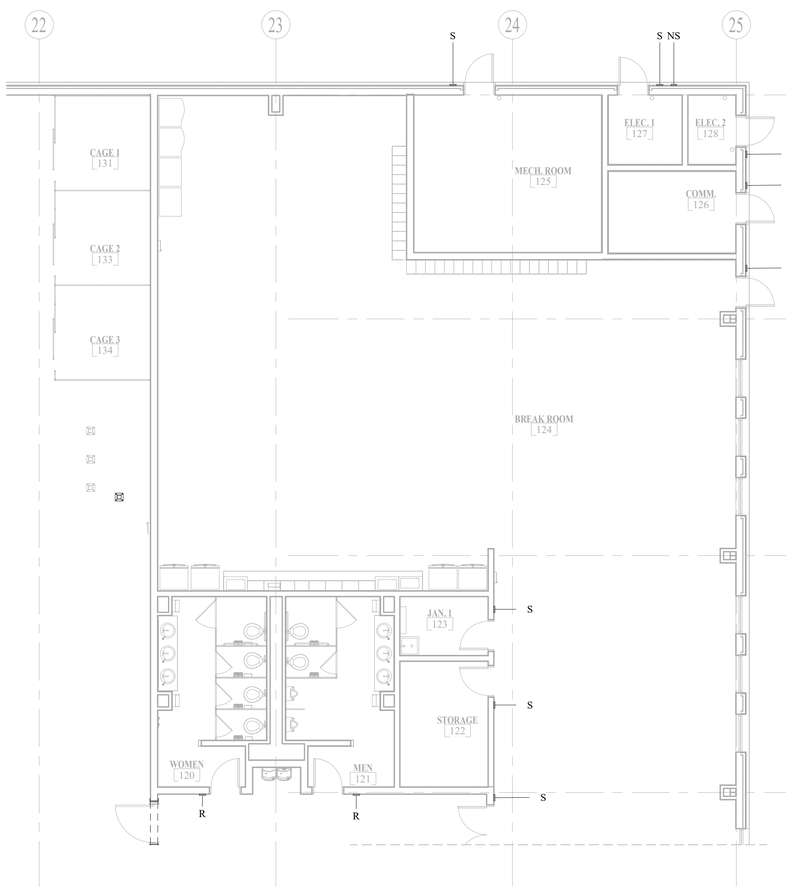

1 FIRST FLOOR SIGNAGE PLAN
1" = 30'-0"

## SIGNAGE SCHEDULE / LEGEND

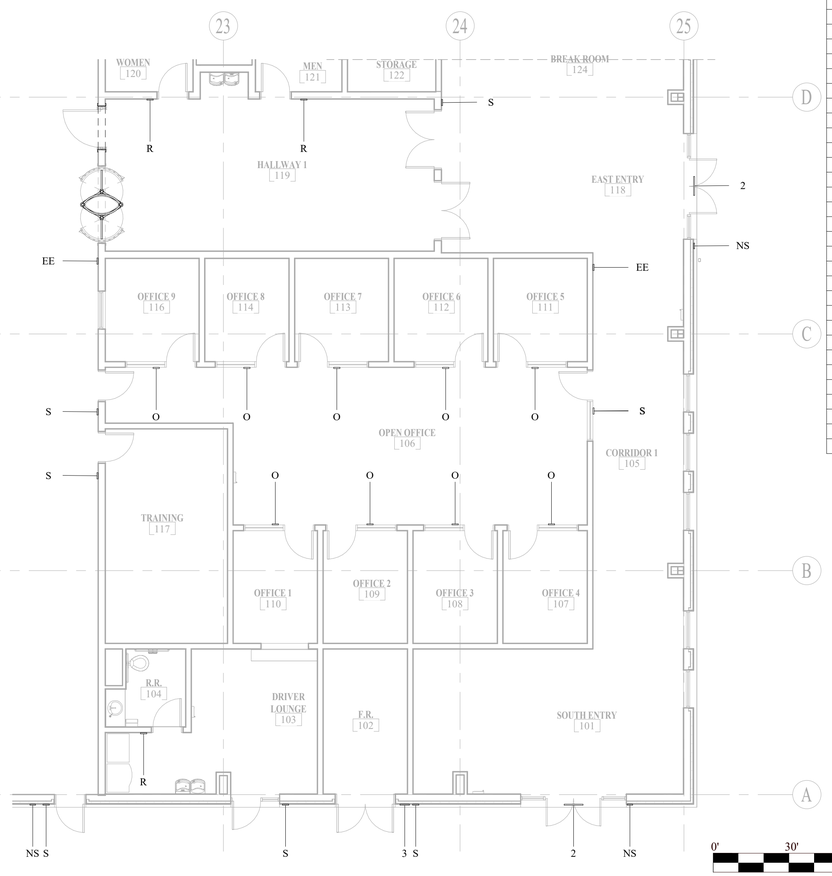
| Type Mark | Description | Mounting Location |
|---|---|---|
| 1 | BAY NUMBER SIGN | CENTER ABOVE DOOR |
| 2 | TENANT ID SIGN | CENTER ABOVE DOOR |
| 3 | FIRE RISER ROOM SIGN | REFER TO MOUNTING / ACCESSIBILITY DETAILS |
| 4 | BAY NUMBER (REVERESED) SIGN | REFER TO ELEVATIONS |
| EE | EMERGENCY EVACUATION | REFER TO MOUNTING / ACCESSIBILITY DETAILS |
| NS | NO SMOKING SIGN | REFER TO MOUNTING / ACCESSIBILITY DETAILS |
| O | ROOM SIGN | REFER TO MOUNTING / ACCESSIBILITY DETAILS |
| R | ROOM SIGN | REFER TO MOUNTING / ACCESSIBILITY DETAILS |
| S | ROOM SIGN | REFER TO MOUNTING / ACCESSIBILITY DETAILS |

## ROOM SIGNAGE...

| Room Number | Room Name |
|---|---|
| 101 | SOUTH ENTRY |
| 102 | FIRE RISER ROOM |
| 103 | DRIVER LOUNGE |
| 104 | RESTROOM |
| 105 | - |
| 106 | ADMINISTRATION |
| 107 | OFFICE |
| 108 | OFFICE |
| 109 | OFFICE |
| 110 | OFFICE |
| 111 | OFFICE |
| 112 | OFFICE |
| 113 | OFFICE |
| 114 | OFFICE |
| 116 | OFFICE |
| 117 | TRAINING |
| 118 | EAST ENTRY |
| 119 | - |
| 120 | WOMEN |
| 121 | MEN |
| 122 | STORAGE |
| 123 | JANITOR |
| 124 | BREAK ROOM |
| 125 | MECHANICAL ROOM |
| 126 | COMMUNICATIONS |
| 127 | ELECTRICAL |
| 128 | ELECTRICAL |
| 129 | - |
| 130 | JANITOR |
| 131 | WOMEN |
| 131 | - |
| 132 | MEN |
| 133 | - |
| 134 | - |
| 150 | - |
| 151 | - |



2 SIGNAGE PLAN - OFFICES AREA -1
1/8" = 1'-0"



3 SIGNAGE PLAN - OFFICES AREA -2
1/8" = 1'-0"

PLAN NORTH

0' 30' 60' 90' 120'
SCALE: 1"=30'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/C Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | ON | | | | |
| CHECKED BY: | BH | | | | |
| COORD. CHECK: | TT / KP | | | | |
| FILE NAME: | L13189.026-AG-1-01.dwg | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | As indicated | No. | Date | Description | By |

KEY MAP — A B C — SECTOR J3

DRAWING DESCRIPTION:

**SIGNAGE PLAN AND DETAILS**

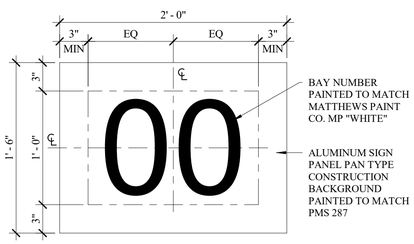
SHEET NO.

**AG-1-01**

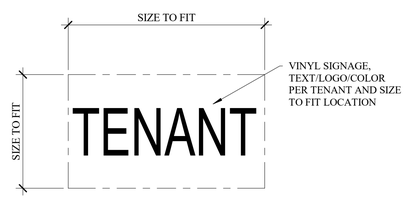
1 TYPE NS (SMOKING POLICY SIGNAGE)
3" = 1'-0"

2 SMOKING POLICY SIGNAGE
3" = 1'-0"

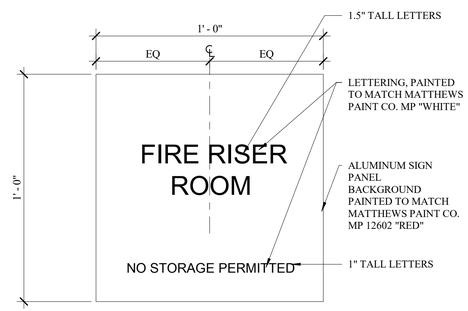
3 POSSESSION OF FIREARMS SIGNAGE
3" = 1'-0"



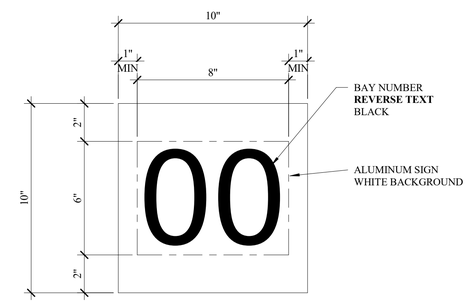

4 TYPE 1 (BAY NUMBER)
1 1/2" = 1'-0"



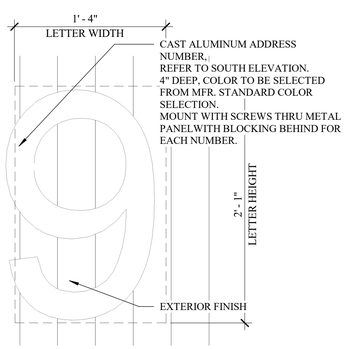

5 TYPE 2 (TENANT ID)
1 1/2" = 1'-0"




6 TYPE 3 - FIRE RISER ROOM
3" = 1'-0"




7 TYPE 4 (BAY NUMBER)
3" = 1'-0"




8 BUILDING ADDRESS NUMBER
1 1/2" = 1'-0"

**GENERAL SIGNAGE NOTES:**

1. EXTERIOR SIGNS SHALL MEET STANDARDS SET FORTH IN THE ABIA EXTERIOR WAYFINDING STANDARDS BEST PRACTICES MANUAL, FEBRUARY 2013.
2. SIGN MATERIAL REFLECTIVITY SHALL BE IN ACCORDANCE WITH TXDOT STANDARD SPECIFICATION SECTION ITEM 636 - SIGNS.
3. SIGN WORD AND DECAL REFLECTIVITY SHALL BE IN ACCORDANCE WITH TXDOT STANDARD SPECIFICATION SECTION ITEM 643 - SIGN IDENTIFICATION DECALS.
4. FONT SHALL BE FUTURA BT MEDIUM.
5. SEE ELEVATIONS FOR EXTERIOR SIGNAGE LOCATION.
6. COORDINATE WITH OWNER FOR FINAL LOCATIONS AND ALL SIGN TEXT PRIOR TO FABRICATION AND INSTALLATION.
7. CONTRACTOR TO CONFIRM THAT FIREARMS SIGNS COMPLY WITH STATE AND FEDERAL LAWS.
8. ADEQUATE BLOCKING SHALL BE PROVIDED TO SUPPORT AND ATTACH EACH SIGN TYPE TO THE EXTERIOR. ALL THRU EXTERIOR FINISH CONNECTIONS SHALL BE SEALED TO PREVENT WATER INFILTRATION.
9. REFER TO SHEET AE-5-08 FOR INTERIOR SIGNAGE AT OVERHEAD SECTIONAL AND COILING DOORS (OSD AND OCD).

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

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ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/C'Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| DRAWN BY: | ON | | | | |
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| FILE NAME: | L13189.026-AG-5-01.dwg | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | As indicated | No. | Date | Description | By |

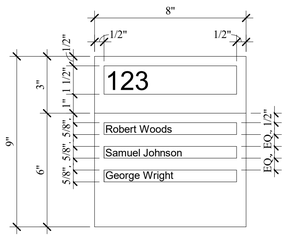
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

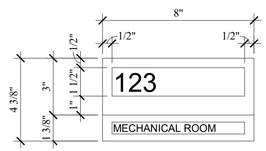
**EXTERIOR SIGNAGE DETAILS**

SHEET NO.

**AG-5-01**

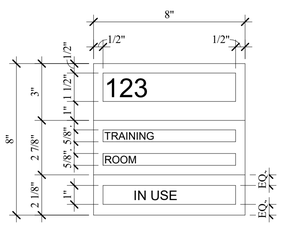



TYPE "O" (OFFICE)

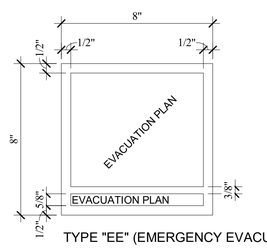



TYPE "S" (BUILDING SERVICE)

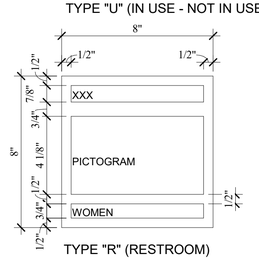
MATERIAL TYPE PER INTERIOR/EXTERIOR APPLICATION




TYPE "U" (IN USE - NOT IN USE)



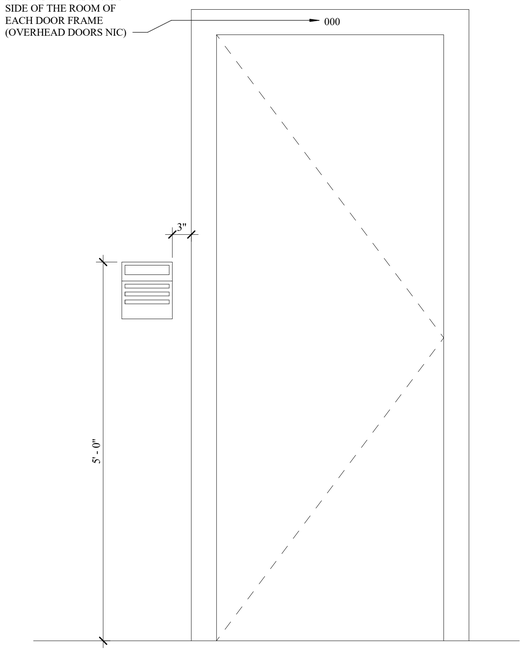

TYPE "EE" (EMERGENCY EVACUATION)




TYPE "R" (RESTROOM)

1 ROOM SIGN TYPES
3" = 1'-0"

PROVIDE 1" TALL BLACK VINYL ROOM NUMBER, LOCATE ON THE INSIDE SIDE OF THE ROOM OF EACH DOOR FRAME (OVERHEAD DOORS NIC)




2 SIGN PLACEMENT
1" = 1'-0"

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ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/C Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| CHECKED BY: | BH | | | | |
| COORD. CHECK: | TT / KP | | | | |
| FILE NAME: | L13189.026-AG-5-02.dwg | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | As indicated | No. | Date | Description | By |

KEY MAP

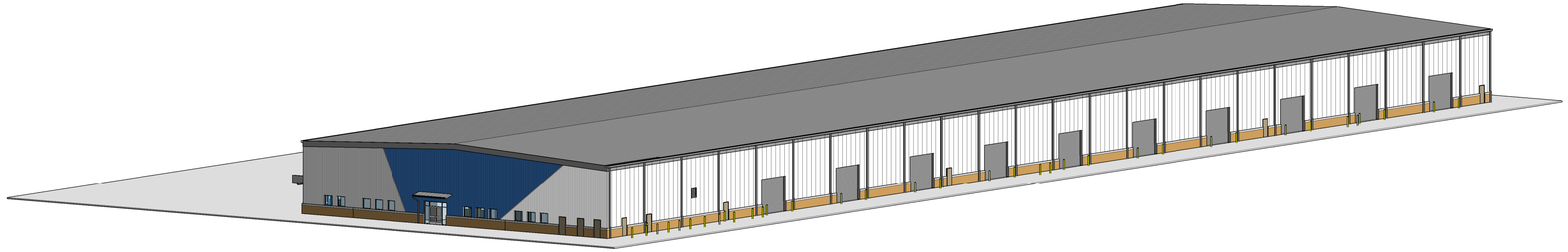
SECTOR J3

DRAWING DESCRIPTION:

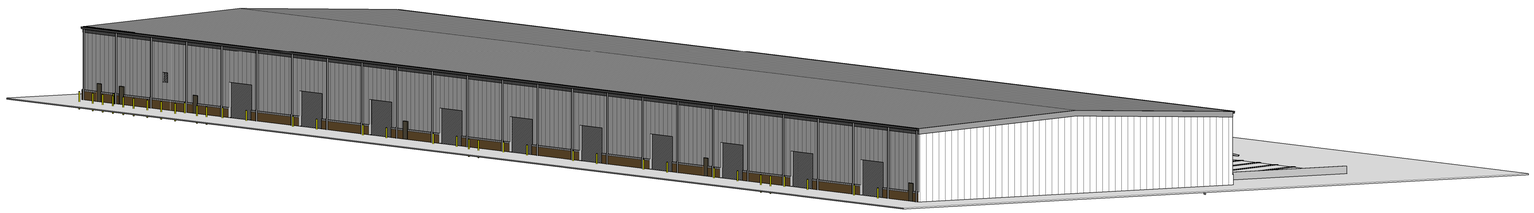
**SIGNAGE DETAILS**

SHEET NO.

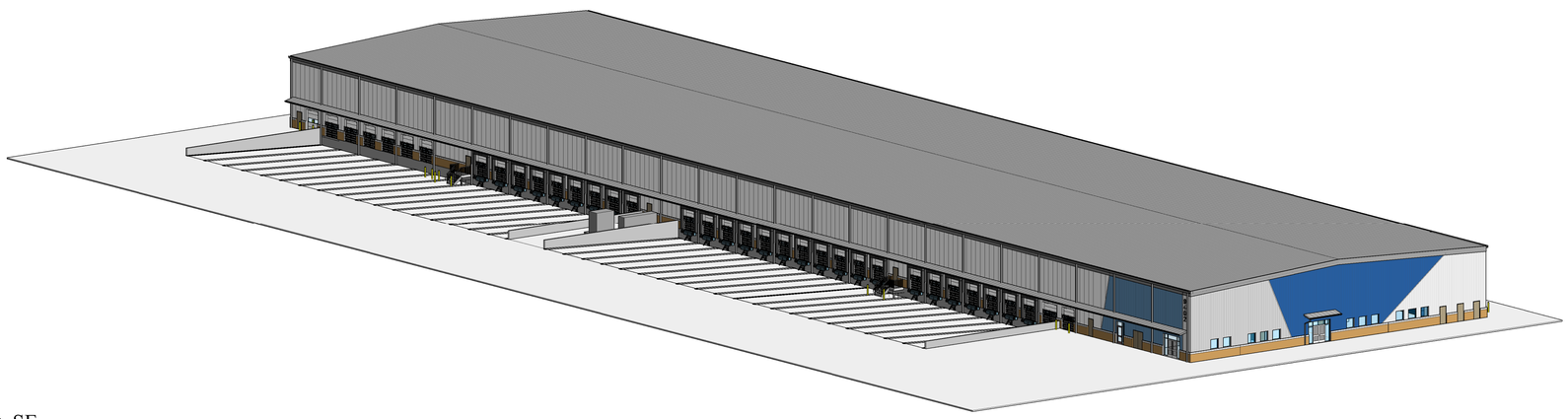
**AG-5-02**



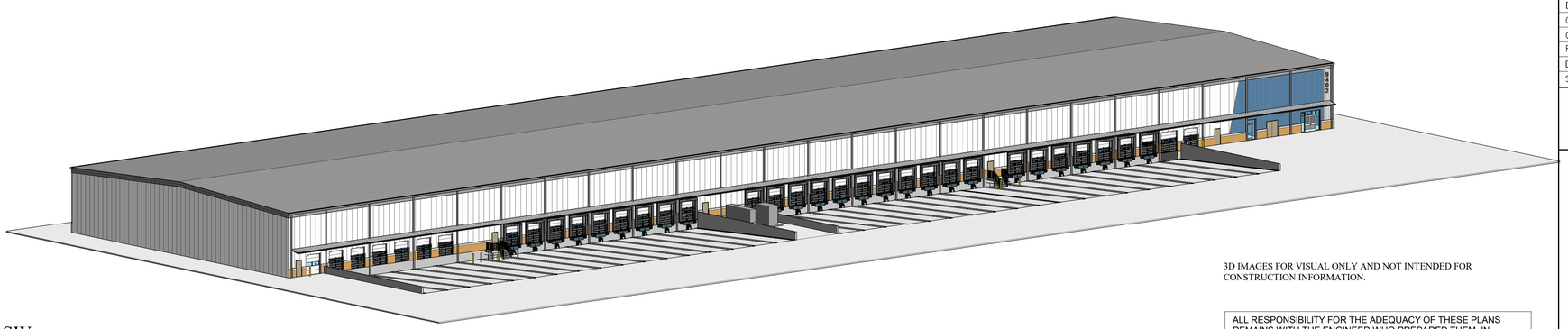
1 NE



2 NW



3 SE



4 SW

3D IMAGES FOR VISUAL ONLY AND NOT INTENDED FOR CONSTRUCTION INFORMATION.

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Austin-Bergstrom International Airport

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| DRAWN BY: | ON | | | | |
| CHECKED BY: | BH | | | | |
| COORD. CHECK: | TT / KP | | | | |
| FILE NAME: | L13189.026-AG-9-01.dwg | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | | No. | Date | Description | By |

KEY MAP

SECTOR J3

DRAWING DESCRIPTION:

## 3D REPRESENTATIONS - ISOMETRICS

SHEET NO.

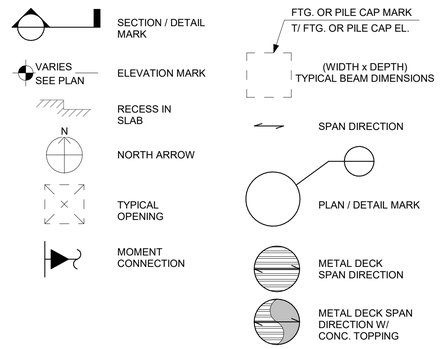
AG-9-01

# STRUCTURAL ABBREVIATIONS

| | |
|---|---|
| # | POUNDS |
| & | AND |
| +/- | PLUS OR MINUS |
| @ | AT |
| A/E | ARCHITECT/ENGINEER |
| AB | ANCHOR BOLTS |
| ABBREV | ABBREVIATION |
| ACI | AMERICAN CONCRETE INSTITUTE |
| ADD | ADDITIVE |
| ADDL | ADDITIONAL |
| AFF | ABOVE FINISH FLOOR |
| AHU | AIR HANDLING UNIT |
| AISC | AMERICAN INSTITUTE OF STEEL CONSTRUCTION |
| AISI | AMERICAN IRON AND STEEL INSTITUTE |
| ALT | ALTERNATE/ALTERNATIVE |
| ALUM, AL | ALUMINUM |
| ARCH | ARCHITECTURE/ARCHITECTURAL |
| ASPH | ASPHALT |
| ASTM | AMERICAN SOCIETY OF TESTING MATERIALS |
| AWS | AMERICAN WELDING SOCIETY |
| B/, BO | BOTTOM OF |
| BFF | BELOW FINISH FLOOR |
| BIT | BITUMINOUS, BITUMASTIC |
| BLDG | BUILDING |
| BLK | BLOCK |
| BM | BENCH MARK |
| BM | BEAM |
| BOT | BOTTOM |
| BP | BASE PLATE/BEARING PLATE |
| BRG | BEARING |
| BTWN | BETWEEN |
| BU | BUILT-UP |
| C | CHANNEL |
| CB | CONCRETE BEAM |
| CC | CONCRETE COLUMN |
| CF | CUBIC FEET (FOOT) |
| CI | CAST-IRON |
| CIP | CAST IN PLACE |
| CJ | CONTROL JOINT |
| CL | CENTER LINE |
| CLR | CLEAR/CLEARANCE |
| CM | CONCRETE MASONRY |
| CMP | CORRUGATED METAL PIPE |
| CMU | CONCRETE MASONRY UNIT |
| CO | COMPANY |
| COL | COLUMN |
| CONC | CONCRETE |
| CONN | CONTINUOUS |
| CONST | CONSTRUCTION |
| COORD | COORDINATE |
| CS | CAST-STEEL |
| CSJ | CONSTRUCTION JOINT |
| CTR | CENTER |
| CTRD | CENTERED |
| CV | CUBIC YARD |
| DBA | DEFORMEDABLE BAR ANCHOR(WELDABLE REBARS) |
| DEPT | DEPARTMENT |
| DET | DETAIL |
| DIA | DIAMETER |
| DIAG | DIAGONAL |
| DIM | DIMENSION |
| DIST | DISTANCE |
| DN | DOWN |
| DR | DRAIN |
| DWG | DRAWING |
| EA | EACH |
| EE | EACH END |
| EF | EACH FACE |
| EJ | EXPANSION JOINT |
| EL, ELEV | ELEVATION, ELEVATOR |
| ELEC | ELECTRIC/ELECTRICAL |
| ENGR | ENGINEER |
| EQ SP | EQUAL SPACED |
| ES | EACH SIDE |
| EW | EACH WAY |
| EXIST | EXISTING |
| EXP | EXPANSION |
| EXT | EXTERIOR |
| FD | FLOOR DRAIN |
| FDN | FOUNDATION |
| FF FLR | FINISHED FLOOR |
| FIN | FINISH |
| FIN GR | FINISH GRADE |
| FOW | EXTERIOR FACE OF WALL (REVEAL SIDE) |
| FP | FULL PENETRATION WELD |
| FS | FAR SIDE |
| FT | FEET/FOOT |
| FTG | FOOTING |
| GA | GAGE/GAUGE |
| GALV | GALVANIZED |
| GC | GENERAL CONTRACTOR |
| GEN | GENERAL |
| GL | GRID LINE |
| GS | GALVANIZED STEEL |
| GSN | GENERAL STRUCTURAL NOTES |
| HCS | HOLLOW CORE SLAB |
| HORIZ | HORIZONTAL |
| HSA | HEADED STUD ANCHOR |
| HSB | HIGH STRENGTH BOLT (A-325) |
| HT | HEIGHT |
| ID | INSIDE DIAMETER |
| IF | INSIDE FACE |
| IN | INCH |
| INT | INTERIOR |
| INV | INVERT |
| Ip | MOMENT OF INERTIA |
| JST | JOIST |
| JT | JOINT |
| K | 1,000 POUNDS (KIP) |
| KWY | KEYWAY |
| L | ANGLE |
| LDG | LANDING |
| LG L | LONG ANGLE |
| LGTH | LENGTH |
| LLH | LONG LEG HORIZONTAL |
| LLV | LONG LEG VERTICAL |
| LT WT | LIGHT WEIGHT |
| MATL | MATERIAL |
| MAX | MAXIMUM |
| MB | MASONRY BEAM, MACHINE BOLT |
| MECH | MECHANICAL |
| MEP, M/E/P | MECHANICAL,ELECTRICAL,PLUMBING |
| MET | METAL |
| MFR | MANUFACTURE/MANUFACTURER |
| MID | MIDDLE |
| MIN | MINIMUM |
| MISC | MISCELLANEOUS |
| MO | MASONRY OPENING |
| MPH | MILES PER HOUR |
| NIC | NOT IN CONTRACT |
| NO | NUMBER |
| NS | NEAR SIDE |
| NTS | NOT TO SCALE |
| OC | ON CENTERS |
| OD | OUTSIDE DIAMETER |
| OF | OUTSIDE FACE |
| OPNG | OPENING |
| PAF | POWDER ACTIVATED FASTENERS |
| PAR | PARALLEL |
| PC | PRECAST CONCRETE |
| PCF | POUNDS PER CUBIC FEET |
| PCI | PRECAST CONCRETE INSTITUTE |
| PCL | PRECAST/PRESTRESSED CONCRETE LINTEL |
| PEMB | PRE ENGINEERED METAL BUILDING |
| PEN | PENETRATION |
| PJF | PREMOLDED BITUMINOUS JOINT FILLER |
| PL | PROPERTY LINE, PLATE |
| PLF | POUNDS PER LINEAR FOOT |
| PLY | PLYWOOD |
| PREFAB | PREFABRICATED |
| PSF | POUNDS PER SQUARE FOOT |
| PSI | POUNDS PER SQUARE INCH |
| PT | PRESSURE TREATED |
| RCP | REINFORCED CONCRETE PIPE |
| RD | ROOF DRAIN |
| REF | REFERENCE |
| REINF | REINFORCING |
| REQD | REQUIRED |
| RTU | ROOF TOP UNIT |
| RW | RETAINING WALL |
| SBP | SOIL BEARING PLATE |
| SCHED | SCHEDULE |
| SIM | SIMILAR |
| SJI | STEEL JOIST INSTITUTE |
| SOG | SLAB ON GRADE |
| Sp | SECTION MODULES |
| SPC | SPACE/SPACES |
| SPCG | SPACING |
| SPECS | SPECIFICATIONS |
| SQ | SQUARE |
| SS | STAINLESS STEEL |
| STD | STANDARD |
| STIFF | STIFFENER |
| STL | STEEL |
| STRUCT | STRUCTURAL |
| SYM | SYMMETRICAL |
| SYP | SOUTHERN YELLOW PINE WOOD |
| T&B | TOP AND BOTTOM |
| T/, TO | TOP OF |
| TB | TIE BEAM |
| TDS | TURN DOWN SLAB |
| TEMP | TEMPERATURE |
| TENS | TENSION |
| THD | THREAD/THREADED |
| THK | THICK |
| TOL | TOLERANCE |
| TS | TUBE STEEL/THICKENED SLAB |
| TYP | TYPICAL |
| UNO | UNLESS NOTED OTHERWISE (ALSO UON) |
| VERT | VERTICAL |
| VOL | VOLUME |
| VWP | VERIFY WITH PROCESS |
| W | WIDE FLANGE |
| W/ | WITH |
| WD | WOOD |
| WF | WALL FOOTING |
| WH | WEEP HOLE |
| WO, W/O | WITHOUT |
| WP | WORKING POINT, WATERPROOF |
| WS | WELDED STUD |
| WT | WEIGHT, STRUCTURAL TEE SECTION |
| WWF | WELDED WIRE FABRIC |
| Ø | DIAMETER |

NOTE: ABBREVIATIONS MAY BE SHOWN WITH OR WITHOUT PERIODS (IE, AWS OR A.W.S.)

# STRUCTURAL SYMBOLS




# STRUCTURAL GENERAL NOTES

**GENERAL STRUCTURAL CRITERIA**

1. STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE ONCE IN SERVICE. NO CONSIDERATION FOR STABILITY AND SHORING IS ASSUMED BY THE ENGINEER DURING THE BUILDING PROCESS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSURE THE STABILITY AND SAFETY OF THE STRUCTURE AND ITS COMPONENTS BY DETERMINING AND IMPLEMENTING ERECTION PROCEDURES AND SEQUENCE OF CONSTRUCTION. THIS INCLUDES TEMPORARY BRACING AND SHORING AS WELL AS SOIL STABILIZATION AND PROTECTIVE MEASURES FOR ADJACENT EXISTING CONSTRUCTION.
2. STRUCTURAL DRAWINGS AND SPECIFICATIONS SHALL BE UTILIZED CONCURRENTLY WITH ARCHITECTURAL, SITE, AND ENGINEERING DRAWINGS OF OTHER DISCIPLINES TO CONSULT INFORMATION NOT EXPLICITLY INDICATED ON STRUCTURAL DRAWINGS.
3. CONTRACTOR SHALL VERIFY DIMENSIONS AND SITE CONDITIONS PRIOR TO PROCEEDING WITH PROCUREMENT OF MATERIALS AND LABOR, FABRICATION, AND CONSTRUCTION WORK. WHERE DISCREPANCIES EXIST, NOTIFY ARCHITECT / ENGINEER OF SUCH DISCREPANCIES IN WRITING VIA A REQUEST FOR INFORMATION / INTERPRETATION (RFI) BEFORE PROCEEDING WITH THE WORK IN THE AFFECTED AREA IN QUESTION.
4. NO STRUCTURAL MEMBER OR COMPONENT SHALL BE CUT, NOTCHED, OR OTHERWISE ALTERED UNLESS APPROVED IN WRITING BY STRUCTURAL ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COSTS INCURRED BY STRUCTURAL ENGINEER FOR REVIEW OF SUCH DEVIATIONS AND IMPLEMENTATION OF APPROPRIATE SOLUTIONS.
5. PRIOR TO COMMENCING WORK, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING AND COORDINATING WITH THE SUB-CONTRACTORS WORK INDICATED ON STRUCTURAL DRAWINGS WITH ARCHITECTURE, SITE WORK, DELEGATED COMPONENTS, AND THE WORK OF OTHER ENGINEERING DISCIPLINES.
6. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE REPRESENTATIVE OF THE FINISHED STRUCTURE. THE STRUCTURAL ENGINEER SHALL NOT BE IN RESPONSIBLE CHARGE AND CONTROL OF CONSTRUCTION MEANS, METHODS, PROCEDURES AND CONSTRUCTION TECHNIQUES, AND JOBSITE SAFETY. THIS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. THE STRUCTURAL ENGINEER SHALL NOT BE CONSTRUED AS HAVING CONTROL, CHARGE, AND RESPONSIBILITY FOR THE ACTS AND OMISSIONS AND FOR FAILURE OF THE CONTRACTOR, SUB-CONTRACTOR, AND OTHER PERSONS PERFORMING THE WORK TO CARRY OUT SUCH WORK IN ACCORDANCE WITH THE STRUCTURAL DRAWINGS AND COLLECTIVE CONTRACT DOCUMENTS.
8. PERIODIC SITE OBSERVATION BY THE STRUCTURAL ENGINEER AND HIS / HER REPRESENTATIVES IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN GENERAL ACCORDANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS. THIS LIMITED SITE OBSERVATION SHALL NOT BE CONSTRUED AS AN INSPECTION, EXHAUSTIVE, OR CONTINUOUS OBSERVATION TO VERIFY THE QUALITY AND QUANTITY OF THE WORK.
9. THE USE OF REPRODUCTIONS OF THESE STRUCTURAL DRAWINGS AND SPECIFICATIONS AND USE OF ELECTRONIC FILES AND MODELS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS IS PROHIBITED UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM THE STRUCTURAL ENGINEER.
10. IN THE EVENT THERE IS CONFLICTING INFORMATION BETWEEN THE DRAWINGS, SPECIFICATIONS AND LOCAL CODE APPLICATIONS OR ANY OTHER CONTROLLING AUTHORITY, THE MOST STRINGENT CONDITION SHALL APPLY.

**DESIGN CRITERIA**

1. STRUCTURAL WORK SHALL BE IN ACCORDANCE WITH: 2015 INTERNATIONAL BUILDING CODE (IBC 2015) AS ADOPTED AND SUPPLEMENTED BY LOCAL REGULATIONS.
2. REFER TO DRAWINGS OF OTHER DISCIPLINES FOR DIMENSIONS AND ELEVATIONS NOT INDICATED ON STRUCTURAL DRAWINGS. NOTIFY ARCHITECT / ENGINEER OF DISCREPANCIES PRIOR TO EXECUTION OF WORK.
3. COORDINATE SIZES AND LOCATIONS OF OPENINGS IN FLOORS, WALLS AND ROOFS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND SITE REQUIREMENTS.
4. REFER TO ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL, PLUMBING AND SITE DRAWINGS FOR MATERIALS, COMPONENTS, AND CONNECTIONS NOT SHOWN HEREIN, AND FOR ANCHORED, SUPPORTED AND EMBEDDED ITEMS WHICH AFFECT THE STRUCTURAL WORK. VERIFY DETAILS AND DIMENSIONS WITH EQUIPMENT PURCHASED.
5. NO PROVISIONS HAVE BEEN MADE FOR FUTURE VERTICAL AND/OR HORIZONTAL ADDITIONS, MODIFICATIONS, AND/OR EXPANSIONS EXCEPT AS SHOWN ON THE STRUCTURAL DRAWINGS.
6. STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN OF PREFABRICATED STAIRS, HANDRAILS, CURTAIN WALL / WINDOW WALL SYSTEMS, COLD-FORMED STEEL FRAMING, OR OTHER SYSTEMS DELEGATED OR NOT SHOWN IN THE STRUCTURAL DRAWINGS. SUCH SYSTEMS SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.
7. REFERENCED DATUM FOR THE PROJECT SHALL BE TAKEN AS 0'-0" ESTABLISHED FROM SLAB ON GRADE FINISH FLOOR. VERIFY ACTUAL ELEVATIONS WITH CIVIL DRAWINGS.

**DESIGN LOADING**

GRAVITY LOADS

| LOCATION | UNIFORM DEAD LOAD (PSF) | CONC. DEAD LOAD (LBS) | UNIFORM LIVE LOAD (PSF) | CONC. LIVE LOAD (PSF) |
|---|---|---|---|---|
| ROOF | 10 | - | 20 | - |
| STORAGE | ACTUAL WEIGHT | - | 250 | - |
| OFFICE FLOOR | - | - | 65 | - |
| EQUIPMENT ROOMS | - | - | 250 | - |
| LOADING DECK | - | - | 250 | - |

LIVE LOAD REDUCTION ON SUPPORTING ELEMENTS SHALL BE IN ACCORDANCE WITH THE BUILDING CODE. NO LIVE LOAD REDUCTION OF ROOF LOADING IS PERMITTED. UNIFORMED DEAD LOAD IS ADDITIVE TO ACTUAL STRUCTURAL WEIGHTS.

**DESIGN LOADING CONT.**

WIND LOADS

| | |
|---|---|
| ULTIMATE DESIGN WIND SPEED: Vult | 115 MPH |
| EQUIVALENT ALLOWABLE WIND SPEED: Vasd | 89 MPH |
| RISK CATEGORY | II |
| WIND EXPOSURE | C |
| INTERNAL PRESSURE COEFFICIENT (ENCLOSED) | ±0.18 |
| COMPONENTS AND CLADDING DESIGN WIND PRESSURE *q | |
| SEE BUILDING'S ROOF UPLIFT PLAN AND WALL WIND LOAD TABLES FOR APPLICABLE PRESSURES. | |

SEISMIC LOADS

| | |
|---|---|
| SPECTRAL RESPONSE ACCEL, Ss: | 0.053 g |
| SPECTRAL RESPONSE ACCEL, S1: | 0.031 g |
| SITE CLASS: | D |
| SPECTRAL RESPONSE COEF, Sds: | 0.057 g |
| SPECTRAL RESPONSE COEF, Sd1: | 0.050 g |
| SEISMIC DESIGN CATEGORY: | A |
| SEISMIC IMPORTANCE FACTOR: | 1.00 |
| ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE | |
| BASIC-SEISMIC-FORCE-RESISTING SYSTEM: ORDINARY STEEL BRACED FRAMES | |
| RESPONSE MODIFICATION FACTOR, R: | 3.25 |
| SEISMIC RESPONSE COEFFICIENT, Cs: | 0.010 |

SNOW LOADS

| | |
|---|---|
| GROUND SNOW LOAD, Pg: | 5.0 PSF |
| SNOW EXPOSURE FACTOR, Ce: | 0.9 |
| THERMAL FACTOR, Ct: | 1.0 |
| SNOW LOAD IMPORTANCE FACTOR, I: | 1.0 |
| FLAT ROOF SNOW LOAD, Pf: | 5.0 PSF |
| SLOPED ROOF SNOW LOAD, Ps: | 5.0 PSF |

**DEFLECTION CRITERIA**

1. DEFLECTION CRITERIA SHALL BE IN ACCORDANCE WITH DEFLECTION AND DRIFT LIMITS SET HEREIN.
2. THE DEFLECTION LIMITS SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS BASED ON THE MATERIALS SPECIFIED BY THE ARCHITECT. MATERIALS THAT REQUIRE DEFLECTION CRITERIA THAT EXCEED THE LIMITS INDICATED HEREIN PER THE MANUFACTURER'S AND/OR ARCHITECT'S RECOMMENDATIONS SHALL MEET THE CRITERIA RECOMMENDED BY THE MANUFACTURER AND/OR THE ARCHITECT.
3. DEFLECTION AND DRIFT LIMITS SHALL BE THE MORE STRINGENT OF THE RATIO OR ABSOLUTE VALUES INDICATED HEREIN.
4. THE CONSTRUCTION OF THE BUILDING AND IT'S COMPONENTS SHALL BE CONFIGURED TO ACCOMMODATE THESE MOVEMENTS.

DEFLECTION AND DRIFT LIMITS

| ROOF STRUCTURE | RATIO | ABSOLUTE |
|---|---|---|
| LIVE LOAD/WIND LOAD | L/360 | 3/4" |
| TOTAL DEAD & LIVE LOAD | L/240 | 1" |
| EXTERIOR WALLS | | |
| WALLS RECEIVING STUCCO FINISH | L/360 | --- |
| OTHER WALLS NOT OTHERWISE SPECIFIED | L/240 | --- |
| PARAPETS | L/300 | --- |
| EXPOSED MASONRY | L/600 | --- |
| DRIFT REQUIREMENTS | | |
| WIND LOAD | H/400 | --- |
| SEISMIC LOAD | H/200 | --- |

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

STATE OF TEXAS
CAN A. ILTER
131356
LICENSED
PROFESSIONAL ENGINEER

CAN AZIZ ILTER
TX PE LICENSE NO:
131356

02AUG21


ATKINS
11801 Domain Blvd., Suite 500 -
Austin TX 78758 - (512) 327-6840


AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

EAST CARGO EXPANSION

9402 FREIGHT LN, AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/C Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| DRAWN BY: | CS | | | |
| CHECKED BY: | JI | | | |
| COORD. CHECK: | KP | | | |
| FILE NAME: L13189.026-S-0-01.dwg | | | | |
| DATE: | 02AUG21 | | | |
| SCALE: | As indicated | No. | Date | Description | By |

KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**GENERAL NOTES, ABBREVIATIONS & SYMBOLS**

SHEET NO.

**S-0-01**

# STRUCTURAL GENERAL NOTES CONT

**STRUCTURAL STEEL FRAMING**

1. STRUCTURAL STEEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE BUILDING CODE AND AISC SPECIFICATION 360-10.
2. STRUCTURAL STEEL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS NOTED OTHERWISE ON THE DRAWINGS:

| TYPE | ASTM | GRADE |
|---|---|---|
| WIDE-FLANGE TYPE SHAPES (W, S & M) | A992 | 50 |
| ANGLES, CHANNELS AND PLATES | A36 | ----- |
| PIPE | A53 | B TYPE E |
| STRUCTURAL TUBING | A500 | B |
| ANCHOR BOLTS | A1554 W/S1 | ----- |
| STRUCTURAL BOLTS | A325N | ----- |
| ERECTION BOLTS | A307 | ----- |

3. ALL CONNECTIONS NOT DETAILED OR OTHERWISE NOTED SHALL BE DESIGNED BY THE FABRICATOR. SHOP DRAWINGS AND CONNECTION CALCULATIONS SHALL BE SUBMITTED BEARING THE SEAL OF AN ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.
   A. BEAM SHEAR CONNECTIONS SHALL BE STANDARD AISC CONNECTIONS, AND SHALL BE DESIGNED PER SCHEDULE. DESIGN SHALL BE BASED ON BEARING TYPE BOLTED CONNECTIONS WITH BOLTS "SNUG TIGHT" PER AISC. WELDED TYPE CONNECTIONS SHALL BE APPROVED FOR USE PRIOR TO SUBMITTAL OF SHOP DRAWINGS.
   B. ALL MOMENT CONNECTIONS ON THE DRAWINGS SHALL DEVELOP THE FULL MOMENT CAPACITY OF THE CONNECTED MEMBERS. MOMENT CONNECTIONS SHALL BE WELDED TYPE. BOLTED MOMENT CONNECTIONS USING FRICTION TYPE PRETENSIONED BOLTS SHALL BE APPROVED FOR USE PRIOR TO SUBMITTAL OF SHOP DRAWINGS. DIRECT TENSION INDICATOR (DTI) WASHERS SHALL BE USED TO INSURE PROPER TENSIONING.
   C. ALL BOLTED CONNECTIONS, REQUIRING PRETENSIONED BOLTS, WILL BE INDICATED AS USING DIRECT TENSION INDICATOR (DTI) WASHERS TO INSURE PROPER TENSIONING.
   D. ALL WELDING SHALL BE IN ACCORDANCE WITH LATEST AWS D1.1. AND USE E70XX ELECTRODES. ALL WELD SHALL BE TOUCHED UP WITH ZINC-RICH PROTECTIVE PAINT FOR CORROSION RESISTANCE.

**SHOP DRAWING SUBMITTALS**

1. SHOP DRAWING SUBMITTALS ARE REQUIRED FOR ALL STRUCTURAL FRAMING, ELEMENTS, COMPONENTS, AND SYSTEMS INDICATED ON THE STRUCTURAL DRAWINGS. SHOP DRAWING SUBMITTALS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:
   A. CONCRETE MIX DESIGNS
   B. CONCRETE FOUNDATION REINFORCING SUBMITTALS
   C. CONCRETE AND MASONRY FRAMING SUBMITTALS W/ ELEVATION DRAWINGS CLEARLY INDICATING REINFORCING, SPLICING, AND LOCATION OF ALL CONCRETE AND MASONRY FRAMING
   D. STRUCTURAL STEEL SUBMITTALS
   E. STEEL DECK SUBMITTALS
   F. STEEL JOISTS AND JOIST GIRDERS (*)
   G. STRUCTURAL STEEL CONNECTIONS NOT DETAILED OTHERWISE ON THESE DRAWINGS (*)
   H. PRE-FABRICATED CANOPY AND AWNING STRUCTURES, DECORATIVE BRACKETS, AND OTHER ARCHITECTURAL COMPONENTS (*)
   I. PRECAST LINTELS AND SILLS (*)
   J. ANCHORAGE OF ROOFTOP EQUIPMENT (*),(#)
   K. PILE SHOP DRAWINGS AND AS-BUILT LAYOUTS W/ AS INSTALLED COORDINATES (#)

   SHOP DRAWING SUBMITTALS FOR ITEMS NOT LISTED ABOVE SHALL BE SUBMITTED FOR REVIEW UPON REQUEST BY THE STRUCTURAL ENGINEER.
   ITEMS MARKED (*) SHALL HAVE SHOP DRAWINGS SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF TEXAS. ITEMS MARKED (#) SHALL BE SUBMITTED FOR ENGINEERS RECORD ONLY.
2. SHOP DRAWINGS SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER FOR COMPLIANCE WITH DESIGN INTENT AND FOR GENERAL CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS. CORRECTIONS OR COMMENTS MADE ON THE SHOP DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMING AND CORRELATING QUANTITIES, DIMENSIONS, ELEVATIONS, AND LENGTHS, FOR SELECTING FABRICATION PROCESSES, FOR SELECTING METHODS OF CONSTRUCTION, FOR COORDINATING SUB TRADES AND FOR PERFORMING WORK IN A SAFE MANNER.
3. SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR AND MARKED "APPROVED" PRIOR TO SUBMITTING THE DRAWINGS TO THE ARCHITECT ENGINEER FOR REVIEW. SHOP DRAWINGS SHALL BE MARKED WITH A REVIEW STAMP FROM THE CONTRACTOR INDICATING REVIEW DISPOSITION AND SHALL BE DATED AND INITIALED. SHOP DRAWINGS THAT HAVE NOT BEEN REVIEWED, STAMPED, DATED AND INITIALED WILL BE CONSIDERED NOT REVIEWED BY THE CONTRACTOR AND SHALL BE RETURNED NOT REVIEWED AND UNCHECKED BY THE STRUCTURAL ENGINEER.
4. STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR DELAYS CAUSED DUE TO THE REJECTION OF INCOMPLETE SUBMITTALS, SUBMITTALS RETURNED DUE TO THE CONTRACTOR'S FAILURE TO REVIEW DOCUMENTS PRIOR TO RECEIPT BY THE STRUCTURAL ENGINEER, AND FOR THE ADDITIONAL TIME REQUIRED BY THE CONTRACTOR'S SUB TRADES TO REVISE AND RE-SUBMIT THE DRAWINGS AND FOR THE STRUCTURAL ENGINEER TO PERFORM ADDITIONAL REVIEWS OF NON-CONFORMING SUBMITTALS.
5. UPON RECEIPT OF SHOP DRAWING SUBMITTALS FROM THE CONTRACTOR THAT HAVE BEEN REVIEWED, STAMPED, DATED, AND INITIALED BY THE CONTRACTOR, THE ENGINEER SHALL BEGIN REVIEW OF THE RECEIVED SUBMITTALS. THE CONTRACTOR SHALL ALLOW FOURTEEN (14) WORKING DAYS FOR SUBMITTAL REVIEW BY THE STRUCTURAL ENGINEER FROM RECEIPT OF SHOP DRAWINGS. THE CONTRACTOR SHALL FURTHER ALLOW TEN (10) WORKING DAYS FROM RECEIPT OF SHOP DRAWING RE-SUBMITTALS FOR REVIEW BY THE STRUCTURAL ENGINEER.
6. THE STRUCTURAL ENGINEER'S OBLIGATIONS TO REVIEW SHOP DRAWINGS AND OTHER SUBMITTALS AND TO RETURN THEM IN A TIMELY MANNER ARE CONDITIONED UPON THE PRIOR REVIEW AND APPROVAL OF THE SHOP DRAWINGS OR SUBMITTALS BY THE CONTRACTOR AS REQUIRED IN THE CONSTRUCTION CONTRACT AND THE CONTRACTOR'S SUBMITTAL OF THE SHOP DRAWINGS AND OTHER SUBMITTALS IN ACCORDANCE WITH A WRITTEN SCHEDULE DISTRIBUTED IN ADVANCE TO THE ENGINEER IDENTIFYING THE DATES FOR THE SUBMITTAL OF THE VARIOUS SHOP DRAWINGS AND SUBMITTALS.
7. THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR MATERIALS THAT ARE FABRICATED, DELIVERED, AND INSTALLED AT THE SITE WITHOUT A SET OF SHOP SUBMITTALS THAT HAVE BEEN REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER. COSTS ASSOCIATED WITH THE REMOVAL OF UNAPPROVED MATERIALS AND THE DELAYS ASSOCIATED WITH THE REPAIR, RECONFIGURATION, AND/OR REMOVAL OF SUCH MATERIALS SHALL NOT BE THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER.
8. SHOP DRAWINGS REVIEWED BY THE STRUCTURAL ENGINEER AND RETURNED WITH A MARK OF 'REJECTED' OR 'REVISE AND RESUBMIT' SHALL BE RE-SUBMITTED FOR REVIEW BY THE STRUCTURAL ENGINEER. REVISIONS MADE TO SHOP DRAWINGS SHALL BE CLEARLY MARKED AND THE PURPOSE FOR THE RE-SUBMISSION SHALL BE CLEARLY NOTED ON THE SHOP DRAWING TRANSMITTAL. REVISIONS SHALL BE ASSIGNED A SEQUENTIAL REVISION NUMBER.
9. THE CONTRACT DOCUMENTS SHALL GOVERN OVER THE SHOP DRAWINGS UNLESS OTHERWISE SPECIFIED IN WRITING BY THE ENGINEER.

**OPERATION AND MAINTENANCE**

1. STRUCTURES REQUIRE PERIODIC MAINTENANCE TO EXCEED LIFE SPAN AND TO ENSURE STRUCTURAL INTEGRITY FROM EXPOSURE TO THE ENVIRONMENT. A PLANNED PROGRAM OF MAINTENANCE SHALL BE ESTABLISHED BY THE OWNER.
2. THIS PROGRAM SHALL INCLUDE ITEMS SUCH AS, BUT NOT LIMITED TO, PAINTING OF STRUCTURAL STEEL, PROTECTIVE COATINGS FOR CONCRETE, SEALANTS, CAULKED JOINTS, EXPANSION JOINTS, CONTROL JOINTS, SPALLS AND CRACKS IN CONCRETE, AND PRESSURE WASHING OF EXPOSED STRUCTURAL ELEMENTS EXPOSED TO SALT ENVIRONMENT OR OTHER HARSH CHEMICALS.

**REQUIRED STRUCTURAL INSPECTIONS**

1. INSPECTIONS BY THE BUILDING OFFICIAL.
   A. FOUNDATION INSPECTION AFTER EXCAVATION AND SOIL PREPARATION, BUT PRIOR TO PLACING REINFORCING. AGAIN, AFTER REINFORCING PLACEMENT AND PRIOR TO CONCRETE PLACEMENT.
   B. CONCRETE SLAB ON GRADE/UNDERFLOOR INSPECTION SHALL BE MADE AFTER ALL UNDERFLOOR EQUIPMENT IS IN PLACE, BUT PRIOR TO CONCRETE PLACEMENT OR OTHER FLOORING PLACEMENT.
   C. FRAMING INSPECTION SHALL BE MADE AFTER ALL ROUGH MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT IS IN PLACE, BUT PRIOR TO FIREPROOFING OR WALL COVERING IS INSTALLED.
   D. FINAL INSPECTION SHALL BE MADE WHEN THE CONTRACTOR HAS COMPLETED THE BUILDING AND IT IS READY FOR OCCUPANCY.

**SPECIAL INSPECTIONS**

1. IN ACCORDANCE WITH THE REQUIREMENTS OF THE BUILDING CODE, THE OWNER WILL PROVIDE QUALIFIED PERSONNEL TO PERFORM THE FOLLOWING SPECIAL INSPECTIONS AND REPORT THE FINDINGS TO THE ENGINEER. THIS DOES NOT RELIEVE THE CONTRACTOR OF ANY RESPONSIBILITY TO PERFORM THE WORK IN ACCORDANCE WITH THE DESIGN DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE INSPECTOR 24 HOURS IN ADVANCE OF ALL INSPECTIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR KNOWING WHICH SPECIAL INSPECTIONS ARE REQUIRED FOR THE PROJECT AND ENSURES THAT THE CONSTRUCTION COMPLIES WITH THE APPROVED PERMIT DOCUMENTS.
3. CITY OF AUSTIN SPECIAL INSPECTIONS PER IBC
   A. SOILS - IBC 1705.6
      a. VERIFY MATERIALS BELOW SHALLOW FOUNDATION ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY
      b. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL
      c. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL
      d. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY
   B. DEEP FOUNDATIONS - IBC 1705.8
      a. OBSERVE DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT
      b. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM ELEMENT DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END-BEARING STRATA CAPACITY. RECORD CONCRETE OR GROUT VOLUMES
      c. FOR CONCRETE ELEMENTS, PERFORM ADD'L INSPECTIONS IN ACCORDANCE WITH SEC1705.
   C. CONCRETE - IBC 1705.3
      a. INSPECTION OF REINFORCING STEEL AND PLACEMENT
      b. INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED
      c. VERIFYING USE OF REQUIRED DESIGN MIX
      d. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE
      e. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES
      f. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURES AND TECHNIQUES
      g. INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED
   D. STEEL - IBC 1705.2
      a. STRUCTURAL STEEL - SPECIAL INSPECTION FOR STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360 CHAPTER N P = PERFORM FOR EACH WELDED JOINT OR MEMBERS, FOR EACH BOLTED CONNECTION AND FOR EACH STEEL ELEMENT O = OBSERVE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS
      b. MATERIAL VERIFICATION OF STRUCTURAL STEEL SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 6.1 OF THE AISC CODE OF STANDARD PRACTICE
      c. WELDING, HIGH-STRENGTH BOLTING, AND DETAILS IN ACCORDANCE WITH SECTION N5
      d. STEEL DECK AND HEADED STEEL STUD ANCHOR PLACEMENT AND ATTACHMENT IN ACCORDANCE WITH SECTION N6
      e. TOLERANCES FOR FIELD ERECTION IN ACCORDANCE WITH SECTION 7.13 OF THE AISC CODE OF STANDARD PRACTICE

**MISCELLANEOUS**

1. CONCRETE PADS FOR MECHANICAL AND ELECTRICAL EQUIPMENT ON FLOORS SHALL BE NO LESS THAN 4" HIGH UNLESS NOTED OTHERWISE AND REINFORCED WITH #3 BARS ON 12" O.C. EACH WAY, 1 1/2" FROM TOP OF SLAB. WHEN THE PAD EXCEEDS 10" IN THICKNESS, REINFORCE WITH #3 BARS ON 12" O.C. EACH WAY, TOP AND BOTTOM. ANCHOR PAD TO SLAB WITH #4 DOWELS AT 24" O.C. EACH WAY, CAST OR CHEMICALLY ADHERED INTO SUPPORTING SLAB.
2. CONTRACTOR SHALL SUPPLY ALL ITEMS FOR ATTACHING MECHANICAL AND ELECTRICAL EQUIPMENT TO THE BUILDING STRUCTURE TO RESIST ALL LOADS INCLUDING WIND FORCES. ATTACHMENT SHALL BE MADE SO AS NOT TO OVERSTRESS STRUCTURAL MEMBERS. COORDINATE THE ATTACHMENTS AND LOCATIONS OF THE EQUIPMENT WITH THE STRUCTURAL SHOP DRAWINGS. REFER TO THE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
3. SUBSTITUTION OF EXPANSION ANCHORS FOR ADHESIVE ANCHORS OR EMBEDDED ANCHORS SHOWN ON THE DRAWINGS WILL NOT BE PERMITTED UNLESS APPROVED BY THE STRUCTURAL ENGINEER IN ADVANCE.
4. THE CONTRACTOR SHALL PROVIDE THE FOLLOWING SERVICES AS PART OF THE CONSTRUCTION SCOPE OF WORK:
   A. VERIFICATION OF ALL DIMENSIONS, ELEVATIONS, OPENING SIZES, MECHANICAL EQUIPMENT WEIGHTS PRIOR TO STARTING WORK.
   B. REMOVE ALL ABANDONED FOUNDATIONS, UTILITIES, PIPELINES, ETC. THAT INTERFERE WITH NEW CONSTRUCTION.
   C. REVIEW AND APPROVE ALL SHOP DRAWINGS PRIOR TO SUBMITTAL, NOTING CHANGES MADE WHICH DO NOT COMPLY WITH DESIGN DRAWINGS.
   D. PROVIDE TEMPORARY BRACING AND SHORING TO PREVENT EXCESSIVE DEFLECTIONS AND DAMAGE DURING CONSTRUCTION. DESIGN OF TEMPORARY BRACING AND SHORING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AS INDICATED IN SECTION 010100.
   E. SUPPORT OF CEILING SYSTEMS, FOLDING PARTITIONS, TOILET PARTITIONS, COUNTERS, MISCELLANEOUS EQUIPMENT, AND WINDOW SYSTEMS AS DEFINED IN THE ARCHITECTURAL PLANS.

**SOIL PREPARATION AND FOUNDATIONS**

1. THE FOUNDATION SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH RECOMMENDATIONS AND PROCEDURES DIRECTED BY THE GEOTECHNICAL REPORT PREPARED BY: KLEINFELDER PROJECT NO. 20213253.001A DATED JUNE 9, 2021.
2. SOIL, DEWATERING, AND SITE PREPARATION SHALL BE IN ACCORDANCE WITH THE AFOREMENTIONED REPORT.
3. SOIL SUPPORTED FOUNDATIONS:
   A. DESIGN NET ALLOWABLE BEARING PRESSURE NOTED ON REPORT IS 4000 PSF FOR FOUNDATIONS BEARING ON UNDISTURBED SOIL OR APPROVED ENGINEERED FILL MATERIAL. BEARING MATERIALS SHALL BE VERIFIED BY A LICENSED SOIL ENGINEER.
   B. ALL FOUNDATIONS ARE DESIGNED WITH FORMED SIDES. IF EARTH FORMED SIDES ARE APPROVED BY THE ENGINEER, THE TOP 7 1/4" SHALL BE FORMED TO THE DESIGN DIMENSION AND ONE INCH SHALL BE ADDED TO EACH SIDE OF THE EARTH FORMED AREA TO PROVIDE ADEQUATE COVER OVER THE REINFORCING AT THE CONTRACTOR'S EXPENSE.
   C. REINFORCING SHALL BE SUPPORTED FROM ABOVE OR WITH 3" SBP (WITH BOTTOM PLATE) AT 4'-0" O.C. MAXIMUM FOR ALL FOUNDATION REINFORCING.
4. REMOVE FREE WATER FROM EXCAVATIONS BEFORE PLACING CONCRETE.
5. REMOVE EXISTING TOP SOIL, FILL, PAVEMENT OR FOUNDATIONS FROM THE BUILDING AREA.
6. PER GEOTECHNICAL REPORT, REMOVAL AND REPLACEMENT OF EXPANSIVE SOIL SHOULD EXTEND A HORIZONTAL DISTANCE OF AT LEAST 5 FEET BEYOND THE BUILDING PERIMETER.
7. BACKFILL BELOW STRUCTURAL ELEMENTS TO BE A GRANULAR MATERIAL HAVING MAXIMUM SIZE OF 3" AND LESS THAN 12% PASSING THE #200 SIEVE SIZE. FILL TO BE PLACED IN LIFTS OF ONE-FOOT OR LESS COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR (ASTM:D1557).
8. DO NOT BACKFILL FOUNDATION WALLS UNTIL THE RESTRAINING SLABS OR ADEQUATE BRACING ARE IN PLACE. ALL BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATION.
9. EXTERIOR SLABS SHALL SLOPE AWAY FROM THE STRUCTURE A MINIMUM OF 1/4" PER FOOT UNLESS NOTED OTHERWISE.
10. SLABS ON FILL TO BE PLACED OVER A 15-MIL POLYETHYLENE FILM VAPOR BARRIER INSTALLED ON COMPACTED SOIL. CONCRETE POURS TO BE PLACED IN A CHECKERBOARD PATTERN, LIMITED TO 400 SF OR 20 FEET IN ANY DIRECTION. AS AN ALTERNATIVE, SLABS MAY BE POURED CONTINUOUSLY. HOWEVER, MUST BE SAWN AS SOON AS THE SLAB WILL SUPPORT THE WEIGHT OF THE SAW AND OPERATOR AND THE SAW BLADE WILL PRODUCE CLEAN CUTS WITHOUT DISLODGING AGGREGATE (7 HOURS MAX). SAW CUT TO BE A MINIMUM OF 1/4 OF THE SLAB DEPTH AND 3/16 INCH WIDTH.
11. PROVIDE SOIL POISONING UNDER BUILDINGS FOR TERMITE PROTECTION.
12. PROVIDE AN IMPERVIOUS SEAL CONSISTING OF AT LEAST 12" OF CLAY SOIL ON TOP OF THE BACKFILL MATERIAL AROUND THE BUILDING PERIMETER, PER GEOTECHINCAL REPORT.
13. FOR INTERIOR BUILDING SLAB, USE OPTION 2 FROM GEOTECHNICAL REPORT.

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

STATE OF TEXAS
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131356
LICENSED
PROFESSIONAL ENGINEER

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TX PE LICENSE NO:
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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

EAST CARGO EXPANSION

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue AIP/C No.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**GENERAL NOTES**

SHEET NO.

**S-0-02**

# STRUCTURAL GENERAL NOTES CONT

**CHEMICAL ADHESIVE FOR ANCHORING REINFORCING BARS, THREADED BARS AND ANCHOR BOLTS**

1. ADHESIVE ANCHORS SHALL HAVE BEEN QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED AND UNCRACKED CONCRETE RECOGNITION. ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS (ACI 318-11 D.2.2). HOLES SHALL BE DRY AT THE TIME OF INSTALLATION (ACI 318-11 D.9.2.1). ADHESIVES SHALL HAVE MAX. IN-SERVICE SHORT-TERM TEMPERATURE OF 150°F, AND MAX. IN-SERVICE LONG-TERM TEMPERATURE OF 110°F (ACI 318-11 D.9.2.1). PRIOR TO INSTALLATION OF ADHESIVE ANCHORS IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATIONS RESISTING SUSTAINED TENSION LOADS, INSTALLERS ARE REQUIRED TO BE CERTIFIED IN ACCORDANCE WITH THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM (ACI 318-11 D.9.2.2) AND MUST BE CONTINUOUSLY INSPECTED (ACI 318-11 D.9.2.4). PRE-APPROVED ADHESIVE ANCHORS INCLUDE:
2. SPECIFIED POST-INSTALLED ANCHORS SHALL BE AS MANUFACTURED BY HILTI AND SHALL BE ASTM F593 CW2 HAS-R 316 STAINLESS STEEL RODS OF DIAMETER AND EMBEDMENT SPECIFIED ON DRAWINGS AND WITH A MINIMUM YIELD STRENGTH OF 45 KSI. ANCHOR ASSEMBLIES SHALL BE SET IN HY-200 ADHESIVE.
3. ANCHORS SHALL BE SUBJECT TO CONTINUOUS SPECIAL INSPECTION IN ACCORDANCE WITH THE MPII, RELEVANT ICC-ES ESR EVALUATION REPORTS, AND SECTION 018100.
4. INSTALLATION OF ANCHORS SHALL ONLY BE PERFORMED BY CERTIFIED ADHESIVE ANCHOR INSTALLERS QUALIFIED BY ACI IN THE INSTALLATION OF THE ADHESIVE ANCHOR SYSTEM SPECIFIED ON THESE DRAWINGS.
6. CONFIRM THE ABSENCE OF REINFORCING STEEL BY DRILLING A 1/4" DIAMETER PILOT HOLE FOR EACH ANCHOR. DO NOT CUT REINFORCING STEEL WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER.
7. BLOW OUT HOLES WITH COMPRESSED AIR AND USE NYLON BRUSH PER MANUFACTURER'S RECOMMENDATIONS TO REMOVE COMPLETELY ALL DUST AND CHIPS BEFORE APPLYING EPOXY. ALL EPOXY WORK MUST BE INSPECTED FOR VERIFICATION.
8. ALL INSTANCES OF DRILLING & EPOXYING MUST BE BROUGHT TO THE ATTENTION OF THE STRCUTURAL ENGINEER TO REVIEW FOR CAPACITY AND APPLICATION.

**STEEL DECKING**

1. METAL DECK SHALL CONFORM TO STEEL DECK INSTITUTE (SDI) SPECIFICATIONS, PER EDITION REFERENCED IN BUILDING CODE, AND BE DETAILED, FABRICATED AND ERECTED ACCORDING TO THE SAME. SUBMIT SHOP DRAWINGS AND SIGNED AND SEALED CALCULATIONS BY A REGISTERED STRUCTURAL ENGINEER WHERE THE PROJECT IS LOCATED FOR APPROVAL BY THE ENGINEER OF RECORD SHOWING COMPLIANCE WITH DIAPHRAGM AND NET UPLIFT LOADS REQUIREMENTS AS INDICATED ON THE DRAWINGS.
2. STEEL ROOF DECK SHALL BE VULCRAFT 1.5B22 OR APPROVED EQUAL, 1 1/2" DEEP, 22 GA., WIDE RIB METAL DECKING SHALL HAVE A MINIMUM YIELD STRENGTH OF 33,000 PSI, A MINIMUM I OF 0.169 IN 4, A MINIMUM Sp OF 0.186 IN 3, AND A MINIMUM Sn OF 0.192 IN 3. DECKING SHALL RECEIVE GALVANIZED FINISH PER SPECIFICATIONS, DECKING SHALL BE CONTINUOUS OVER A MINIMUM OF THREE SUPPORTS. EACH DECK UNIT SHALL BE ATTACHED TO SUPPORTING MEMBERS AND ADJACENT PANELS PER DIAPHRAGM ATTACHMENT NOTES SPECIFIED ON PLANS.

**PRE-ENGINEERED METAL BUILDING SYSTEMS**

1. FOUNDATION DESIGN IS FOR A PRE-ENGINEERED BUILDING BY OTHERS. SUBMIT BUILDING REACTIONS TO FOUNDATION ENGINEER FOR REVIEW PRIOR TO FOUNDATION POUR.
2. STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE AISI SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS, DATED NOV. 1, 1978. ROLLED SHAPES SHALL BE IN ACCORDANCE WITH ASTM A992 GRADE 50, UNLESS DESIGNED DIFFERENTLY BY PRE-ENGINEERED METAL BUILDING MANUFACTURERS ENGINEER.
3. PRE-ENGINEERED METAL BUILDING SHALL BE DESIGNED FOR ALL LOADS PRESCRIBED HEREIN. SUBMIT SHOP DRAWINGS SIGNED AND SEALED BY A REGISTERED ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED TO THE FOUNDATION ENGINEER PRIOR TO FABRICATION OR CONSTRUCTION.
4. ANCHOR BOLTS SHALL BE DESIGNED BY METAL BUILDING MANUFACTURER'S REGISTERED ENGINEER. SUBMIT SHOP DRAWINGS AND ANCHOR BOLT LAYOUTS TO FOUNDATION ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
5. THE ENGINEER OF RECORD RESERVES THE CHOICE TO INCREASE CERTAIN FOUNDATION SIZES UNDER THE METAL BUILDING COLUMNS IF THE REACTIONS REPORTED BY THE METAL BUILDING MANUFACTURER ARE SUBSTANTIALLY HIGHER THAN THOSE PRELIMINARY CALCULATED.

**LIGHT GAGE METAL**

1. EXTERIOR WALLS TO UTILIZE A MINIMUM OF 16 GAGE @ 12" O.C. OR HEAVIER COLD FORMED FRAMING, PER PLANS.
2. ALL MEMBERS SHALL BE COLD FORMED FROM GALVANIZED STRUCTURAL QUALITY SHEET STEEL MEETING. 16 GAGE AND HEAVIER FY = 50 KSI (MIN) AND 18 GA. AND LIGHTER, FY=33KSI: MATERIAL SHALL MEET THE REQUIREMENTS OF ASTM A446 GRADE A. OR ASTM A653.
3. ALL MEMBERS SHALL HAVE A GALVANIZED FINISH COMPLYING WITH ASTM A525 G90 COATING.
4. STRUCTURAL PROPERTIES OF STUDS SHALL BE COMPUTED IN ACCORDANCE WITH AISI "SPECIFICATION FOR DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS (AISI)".
5. EXTERIOR METAL STUDS SHALL BE SPACED PER PLANS. AT EXTERIOR WALLS PROVIDE (1) ROW OF LATERAL BRACING AT PANEL EDGES. ELSEWHERE PROVIDE HORIZONTAL BRIDGING PER MANUFACTURER'S RECOMMENDATIONS. STUD TRACKS SHALL BE EQUAL 14 GA. TRACK SPLICE SHALL OVERLAP MIN. OF 6" WITH 4 FASTENERS PER SPLICE.
6. PROVIDE WALL BRACING AND CONNECTION DETAILS AS RECOMMENDED BY THE STUD MANUFACTURER IN COORDINATION WITH DETAILS ON SHEET
7. PROVIDE MANUFACTURER'S STANDARD STEEL RUNNERS, BLOCKING, LINTELS, CLIP ANGLES, BRACING, REINFORCEMENTS, FASTENERS AND ACCESSORIES FOR APPLICATIONS INDICATED AS NEEDED TO PROVIDE A COMPLETE STEEL FRAMING SYSTEM AS RECOMMENDED BY MANUFACTURER OR AS SHOWN ON SHEET
8. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E70XX ELECTRODES. ALL WELDS SHALL BE TOUCHED UP WITH A ZINC-RICH PROTECTIVE PAINT FOR CORROSION RESISTANCE.
9. ALL STUDS SHALL BE FULL LENGTH. NO SPLICING PERMITTED UNLESS SPECIFICALLY DETAILED.
10. ALL METAL TO METAL CONNECTIONS TO BE WELD OR SCREW ATTACHMENTS AS REQUIRED BY MANUFACTURER OR AS SHOWN ON SHEET
11. SCREWS: SELF DRILLING AND SELF TAPPING, CADMIUM PLATED FOR ALL EXTERIOR USES.
12. WIRE TIED CONNECTIONS, POP RIVETS AND CRIMPING ARE NOT PERMITTED.
13. DEFLECTION CRITERIA
    A. EXTERIOR WALLS
       L/240 FOR BRITTLE FINISHES (LATERAL)
14. MATERIAL DESCRIPTIONS
    A. LIGHT GAGE STEEL SECTIONS:
       C-STUDS 6"x1 5/8"x16 GA. Fy=50 KSI Fu=65 KSI Ix=2.85 IN^4
       Sx=0.961 IN^3
       TRACK 6"x15/8"x14 GA. Fy=33 KSI Fu=35.64 KSI Ix=2.88 IN^4
       Sx=0.933 IN^3
    B. TYPICAL FASTENERS FOR LIGHT GAGE C-STUDS, TRACKS AND FLAT STRAP BRACING: #12-14 SELF-DRILLING, SELF-TAPPING SHEET METAL SCREWS.
    C. TYPICAL FASTENERS FOR LIGHT GAGE C-STUDS AND TRACKS TO STRUCTURAL BUILDING ELEMENT.
    D. OTHER LIGHT GAUGE SECTIONS PER MANUFACTURER.

**CAST-IN-PLACE CONCRETE**

1. CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF THE FOLLOWING CODES AND STANDARDS, ACCEPTABLE EDITIONS REFERENCED IN THE 2015 IBC:
   A. ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE."
   B. CRSI "MANUAL OF STANDARD PRACTICE".
   C. "CITY OF AUSTIN'S STANDARD SPECIFICATIONS MANUAL" ITEM 403S
2. CONCRETE SHALL BE NORMAL WEIGHT UNLESS OTHERWISE NOTED AND SHALL CONFORM TO ASTM C-94 IN ADDITION TO THE FOLLOWING:
   A. PORTLAND CEMENT SHALL MEET ASTM C-150 TYPEI/II.
   B. AGGREGATES FOR SLAB ON GRADE SHALL MEET ASTM C-33 (1" MAX).
   C. AGGREGATES ELSEWHERE SHALL MEET ASTM C-33 (3/4" MAX).
   D. AIR ENTRAINING AGENT SHALL MEET ASTM C-260.
   E. WATER REDUCING AGENT SHALL MEET ASTM C-494.
   F. CALCIUM CHLORIDE SHALL NOT BE USED IN THE MIX.
   G. CURING COMPOUND SHALL MEET ASTM C309 TYPE 1 UNO.
3. CONCRETE SHALL HAVE THE MINIMUM ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS AS INDICATED BELOW. MIX DESIGNS SHALL BE APPROVED BY THE ENGINEER BEFORE USE.
4. ALL CONCRETE SHALL CONFORM TO THE REQUIREMENTS SPECIFIED IN ITEM NO. 403S, "CONCRETE FOR STRUCTURES" WITHIN THE CITY OF AUSTIN'S STANDARD SPECIFICATIONS MANUAL.

**CAST-IN-PLACE CONCRETE CONT.**

| CONCRETE MIX REQUIREMENTS | | | | |
|---|---|---|---|---|
| CLASS | COMPONENT | 28-DAY STRENGTH | W/C RATIO | SLUMP |
| S | SLAB-ON-GRADE | 4,000 PSI | 0.45 | 1 TO 4 IN |
| S | GRADE BEAMS | 4,000 PSI | 0.45 | 1 TO 4 IN |
| S | PILES | 4,000 PSI | 0.45 | 5 TO 6 IN |

CLASS OF CONCRETE AS SPECIFIED IN ITEM NO. 403S "CONCRETE FOR STRUCTURES" TABLE 5 WITHIN THE CITY OF AUSTIN'S STANDARD SPECIFICATIONS MANUAL.

5. FLY ASH, SUBSTITUTING FOR CEMENT, IN ACCORDANCE WITH ITEM 403S.
6. REINFORCING BARS USED IN CONCRETE SHALL BE GRADE 60 KSI DEFORMED BAR CONFORMING TO ASTM SPECIFICATION A-615. REINFORCEMENT SHALL BE RUST,OIL, AND SCALE FREE AND SHALL BE PLACED AND BENT IN ACCORDANCE WITH THE REFERENCED STANDARDS INDICATED IN NOTE 1 OF THIS SECTION. SHOP DRAWINGS FOR REINFORCEMENT LAYOUT, DETAILING, AND PLACING SHALL BE APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO FABRICATION, SITE DELIVERY, AND INSTALLATION.
7. WELDED WIRE FABRIC TO BE USED FOR CONCRETE REINFORCEMENT WHERE INDICATED SHALL CONFORM TO ASTM A-185 AND SHALL BE FURNISHED IN FLAT SHEETS (RATHER THAN ROLLS). FABRIC SHALL BE SUPPORTED ON CHAIRS TO MAINTAIN THE PROPER LOCATION WITHIN THE CONCRETE AND SHALL BE PLACED IN ACCORDANCE WITH THE REFERENCED STANDARDS INDICATED IN NOTE 1 OF THIS SECTION. MINIMUM LAP SHALL BE TWO PANELS.
8. CONCRETE SHALL BE CURED IN ACCORDANCE WITH ACI STANDARDS AND SPECIFICATIONS UTILIZING A CURING COMPOUND WITH FUGITIVE DYE. THE CONTRACTOR SHALL BEGIN CONCRETE CURING IMMEDIATELY AFTER FINISHING OPERATIONS ARE COMPLETED.
9. CONCRETE ADMIXTURES SHALL BE UTILIZED ONLY WITH PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER.
10. CONCRETE ADDITIVES SHALL BE COORDINATED BY THE CONTRACTOR TO INSURE COMPATIBILITY WITH FLOOR COVERINGS, EXPOSED, POLISHED, AND STAINED FINISHES AS SPECIFIED BY THE ARCHITECT.
11. CONCRETE TESTING SHALL BE REQUIRED FOR CAST-IN-PLACE CONCRETE ELEMENTS AND SHALL BE PERFORMED BY A QUALIFIED, INDEPENDENT TESTING LAB. MINIMUM TESTING SHALL BE FOR SLUMP IN ACCORDANCE WITH ASTM C143 AND FOR COMPRESSIVE STRENGTH IN ACCORDANCE WITH ASTM C39.
12. COMPRESSIVE STRENGTH TESTING SHALL BE CONDUCTED FOR EACH CLASS, FOR EVERY FIFTY CUBIC YARDS OF CONCRETE PLACED PER DAY. PLACEMENTS LESS THAN FIFTY CUBIC YARDS SHALL ALSO BE TESTED PER DAY FOR EACH CLASS. A MINIMUM OF FOUR LAB-CURED AND SIX FIELD-CURED CYLINDERS SHALL BE COLLECTED. TWO CYLINDERS SHALL BE KEPT IN RESERVE AND TESTED, IF NECESSARY, WITH PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER.
13. MIX DESIGN SUBMITTALS SHALL BE SENT TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONCRETE PLACEMENT AND SHALL BE UNIQUELY IDENTIFIED WITH MIX NUMBER AND EXACT LOCATION WHERE MIX WILL BE PLACED ON THE STRUCTURE. SUBMITTALS SHALL INCLUDE DATA FROM RECENT FIELD AND LAB CYLINDER TESTS AND STATISTICAL, TESTED BACK-UP DATA PER ACI 318.
14. CONCRETE TICKETS FOR CONCRETE MIXES DELIVERED TO THE SITE SHALL IDENTIFY THE EXACT TIME THAT THE MIX IS BATCHED. CONCRETE PLACEMENT SHALL OCCUR WITHIN ONE AND A HALF HOURS FROM THE TIME THE PROPORTIONED MIXING WATER IS ADDED TO THE MIX FOR PLACEMENT. MIXES SHALL BE DISCARDED IF THIS TIMEFRAME IS EXCEED. IT SHALL BE THE RESPONSIBILITY OF THE INDEPENDENT TESTING LAB TO ASSURE COMPLIANCE WITH PLACING TIME AND TO NOTIFY THE CONTRACTOR AND OWNER OF NON COMPLIANCE.
15. CONCRETE FORMS SHALL NOT BE STRIPPED UNTIL CONCRETE HAS ATTAINED A MINIMUM 70% OF THE SPECIFIED 28-DAY COMPRESSIVE STRENGTH AS INDICATED BY TESTING SAMPLES.
16. LAP SPLICE LENGTHS SHALL BE A MINIMUM OF 48 BAR DIAMETERS UNLESS NOTED OTHERWISE.
17. CONCRETE CLEAR COVER OVER REINFORCING SHALL BE IN ACCORDANCE WITH ACI 318 AS LISTED BELOW, UNLESS NOTED OTHERWISE.

| LOCATION | CLEAR COVER |
|---|---|
| CAST AGAINST EARTH | 3" |
| EXPOSED TO EARTH OR WEATHER #6 AND LARGER | 2" |
| EXPOSED TO EARTH OR WEATHER #5 AND SMALLER | 1 1/2" |
| SLABS AND WALLS NOT EXPOSED TO WEATHER | 3/4" |
| BEAMS AND COLUMNS NOT EXPOSED TO WEATHER | 1 1/2" |
| SLABS ON GRADE (COVER FROM TOP OF SLAB) | 1 1/2" |

18. VERTICAL AND HORIZONTAL REINFORCING INDICATED ON THE DRAWINGS SHALL BE DOWELED OUT OF THE FOUNDATION OR THE ELEMENT WHERE THE REINFORCING ORIGINATES, (SLAB BEAM, THE BEAM, WALL, ETC.) UTILIZING AN ACI STANDARD HOOK EMBEDDED TO DEVELOP THE FULL ULTIMATE TENSILE STRENGTH OF THE BAR.
19. FORMWORK REMOVAL IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REMOVE FORMS IN SUCH A MANNER AS TO INSURE JOB SAFETY AND TO PREVENT DAMAGE TO, AND CREEP DEFLECTION OF THE STRUCTURE.
20. IMMEDIATELY AFTER REMOVAL OF FORMS, REPAIR HONEYCOMBED OR DEFECTIVE AREAS WITH HIGH STRENGTH CEMENT GROUT. GROUT SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. WHEN REINFORCING IS VISIBLE IN DEFECTIVE AREA, CONTACT THE STRUCTURAL ENGINEER IMMEDIATELY.

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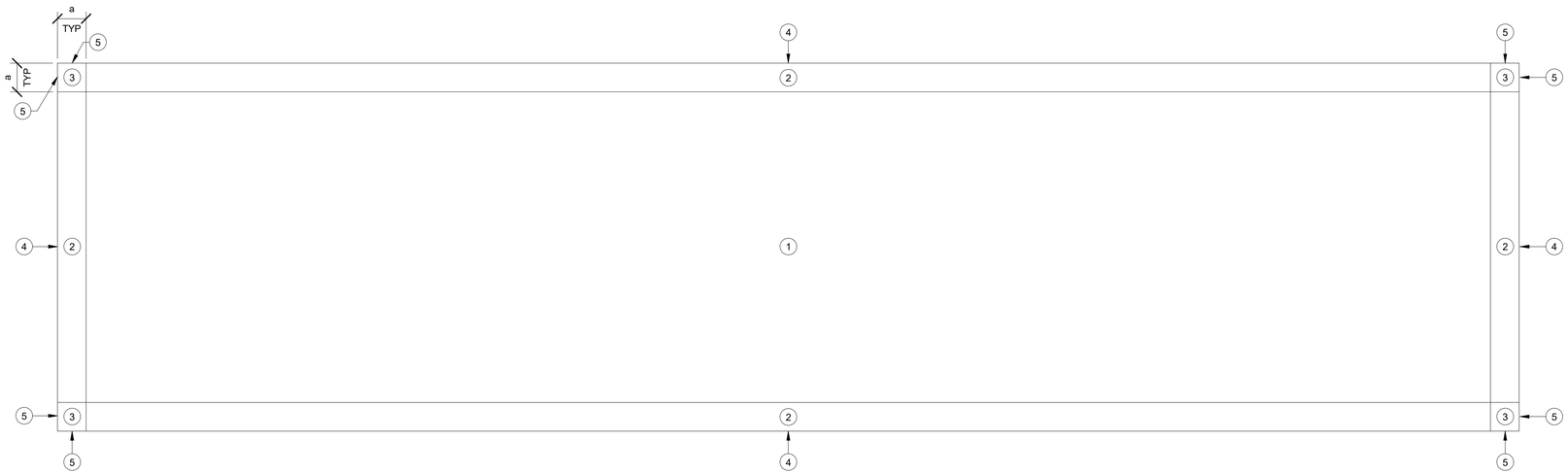
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**GENERAL NOTES**

SHEET NO.

**S-0-03**



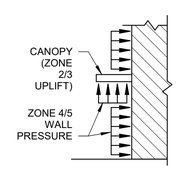

## 1 ROOF WIND DIAGRAM

SCALE: 1" = 30'-0"

| ULTIMATE C&C WIND PRESSURE (ASCE 7-10) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| BUILDING | a (FT) | Vult (MPH) | Vasd (MPH) | GCpi | Area (SF) | ZONE 1 (PSF) | ZONE 2 (PSF) | ZONE 3 (PSF) | ZONE 4 (PSF) | ZONE 5 (PSF) |
| AUS CARGO BUILDING ROOF | 11.7 | 115 | 89 | +/- 0.18 | <10 | +16.0 -33.2 | +16.0 -55.7 | +16.0 -83.8 | +30.4 -32.9 | +30.4 -40.5 |
| | | | | | 20 | +16.0 -32.3 | +16.0 -49.7 | +16.0 -69.4 | +29.0 -31.5 | +29.0 -37.8 |
| | | | | | 50 | +16.0 -31.2 | +16.0 -41.9 | +16.0 -50.3 | +27.2 -29.8 | +27.2 -34.2 |
| | | | | | 100 | +16.0 -30.4 | +16.0 -36.0 | +16.0 -36.0 | +25.9 -28.4 | +25.9 -31.5 |
| | | | | | 500+ | +16.0 -30.4 | +16.0 -36.0 | +16.0 -36.0 | +22.8 -25.3 | +22.8 -25.3 |

ULTIMATE C&C WIND PRESSURE PLAN NOTES:

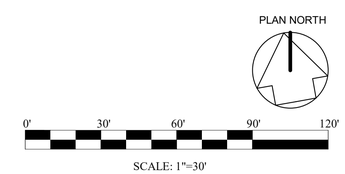
1. PRESSURES INDICATED ARE ULTIMATE COMPONENTS AND CLADDING GROSS PRESSURES, CONVERT TO NOMINAL PRESSURES USING A 0.6 MULTIPLIER FACTOR.
2. a - INDICATES END ZONE WIDTH IN FT.
3. Vult AND Vasd INDICATE ULTIMATE AND NOMINAL DESIGN WIND SPEED IN MPH RESPECTIVELY.
4. GROSS PRESSURES SHALL BE LINEARLY INTERPOLATED FOR (A) NOT SHOWN IN TABLE.
5. GROSS PRESSURES ARE FOR JOISTS, WINDOWS, DOORS, VENEER, LIGHT GAGE METAL FRAMING, METAL DECK ATTACHMENTS, ROOFING, ROOFING ACCESSORIES AND OTHER BUILDING COMPONENTS AND CLADDING.
6. POSITIVE PRESSURES INDICATE PRESSURES ACTING TOWARD A PROJECTED SURFACE. NEGATIVE PRESSURES INDICATE PRESSURES ACTING AWAY FROM A PROJECTED SURFACE.
7. ROOF ZONES INCLUDING END CONDITIONS ARE DENOTED AS 1 THRU 3
8. WALL ZONES INCLUDING END CONDITIONS ARE DENOTED AS 4 AND 5
9. OVERHANG ZONES 2H AND 3H APPLY ONLY TO ROOF OVERHANGS WHERE THE COMPONENT OR CLADDING RECEIVES PRESSURE SIMULTANEOUSLY ON BOTH SIDES (UPWARD SUCTION ON TOP AND UPWARD PRESSURE ON BOTTOM, SUCH AS AT OPEN SOFFITS), AND IS CONTINUOUS WITH FIELD OF ROOF.
10. NET DESIGN ROOF PRESSURES SHALL BE CALCULATED USING THE SELFWEIGHT (DEAD LOAD) OF THE MATERIALS. THE MAXIMUM REDUCTION OF GROSS WIND UPLIFT PRESSURES SHALL BE LIMITED TO THE SELF WEIGHT OF THE ROOF SYSTEM PLUS 5 PSF MAXIMUM FOR SUPERIMPOSED DEAD LOADS.
11. AT ALCOVES AND CANOPIES, THE TOTAL UPLIFT PRESSURE ON THE ALCOVE SOFFIT OR CANOPY SHALL EQUAL THE WALL PRESSURE IN THAT AREA.




SECTION AT CANOPY

WINDOWS/DOORS PERFORMANCE REQUIREMENTS:

PROVIDE WINDOW, DOOR AND FRAME SYSTEMS THAT COMPLY WITH PERFORMANCE REQUIREMENTS INDICATED AS DEMONSTRATED BY TESTING MANUFACTURER'S ASSEMBLIES IN ACCORDANCE WITH TEXAS BUILDING CODE TEST PROTOCOLS.

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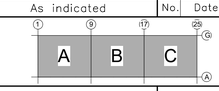
KEY MAP



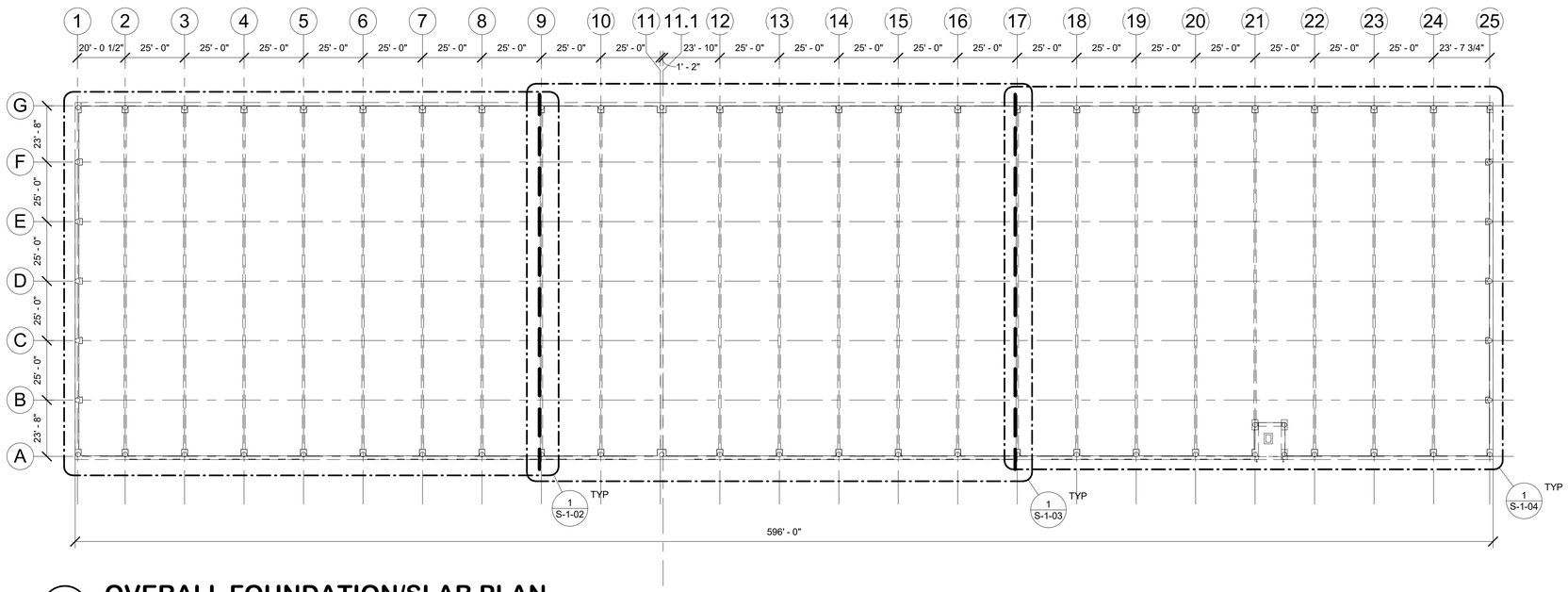

SECTOR J3

DRAWING DESCRIPTION:

## WIND DIAGRAMS

SHEET NO.

S-0-04




## 1 OVERALL FOUNDATION/SLAB PLAN

SCALE: 1" = 30'-0"

PLAN NORTH

0' 30' 60' 90' 120'

SCALE: 1"=30'

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# EAST CARGO EXPANSION

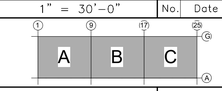
9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026/Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | CS | | | | |
| CHECKED BY: | JI | | | | |
| COORD. CHECK: | KP | | | | |
| FILE NAME: L13189.026-S-1-01.dwg | | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | 1" = 30'-0" | No. | Date | Description | By |

KEY MAP



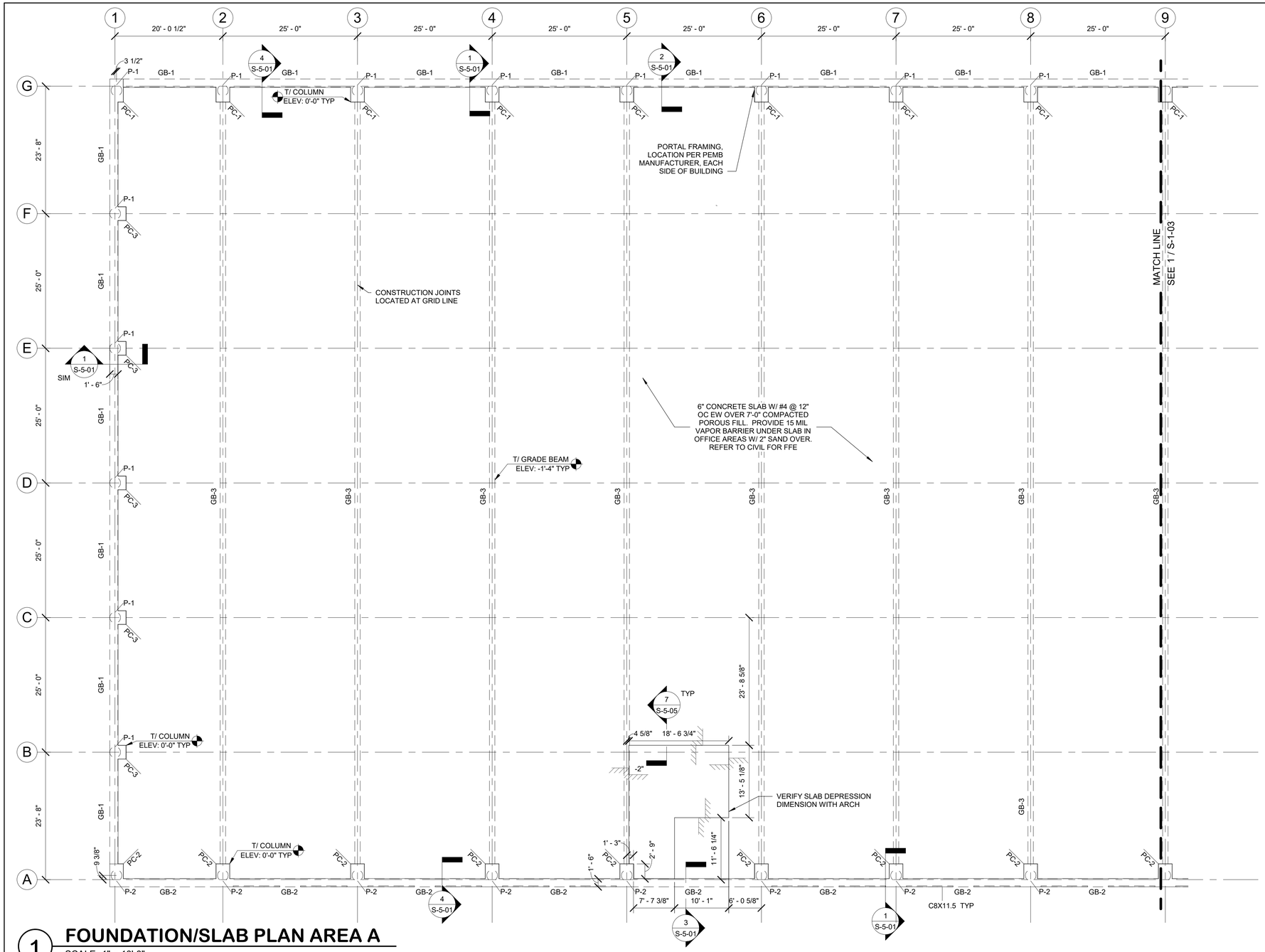

SECTOR J3

DRAWING DESCRIPTION:

**OVERALL FOUNDATION/SLAB PLAN**

SHEET NO.

**S-1-01**




# 1 FOUNDATION/SLAB PLAN AREA A

SCALE: 1" = 10'-0"

**FOUNDATION PLAN NOTES**

1. REFER TO GENERAL STRUCTURAL NOTES AND PROJECT SPECIFICATIONS FOR DEFINITION OF SYMBOLS, ABBREVIATIONS, AND OTHER INFORMATION AND CRITERIA NOT SHOWN ON PLAN.
2. FOUNDATION SIZES INDICATED ARE BASED ON THE SUBSURFACE RECOMMENDATIONS PROVIDED BY THE GEOTECHNICAL ENGINEER FOR THE PROJECT. REFER TO STRUCTURAL GENERAL NOTES FOR ADDITIONAL INFORMATION.
3. VERIFY DIMENSIONS, ELEVATIONS, DEPRESSIONS, DRAIN LOCATIONS, FINISHES AND LIMITS THEREOF, AND INFORMATION NOT EXPLICITLY INDICATED ON STRUCTURAL DRAWINGS WITH THE DRAWINGS OF OTHER DISCIPLINES PRIOR TO CONSTRUCTION.
4. ALL REINFORCING IN FOUNDATION AND SLAB CORNERS, INTERSECTIONS, TEES, AND CHANGES IN DIRECTION SHALL BE CONTINUOUS AND CORNER REINFORCING SHALL BE PROVIDED AND LAPPED.
5. CONCRETE SLAB ON GRADE CONTROL JOINTS SHALL NOT EXCEED A MAXIMUM SPACING OF 12'-6" O.C. EACH WAY. SEE TYPICAL DETAIL FOR ADDITIONAL INFORMATION.
6. EDGE OF SLAB DIMENSIONS AS WELL AS DEPRESSIONS REQUIRED FOR FLOOR FINISHES AND DRAINAGE SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS.
7. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SLAB PENETRATIONS AND UNDERGROUND UTILITIES.
8. STEEL STUD WALLS REFER TO ARCH FOR LAYOUT AND LOCATIONS

PILE SCHEDULE

| MARK | SIZE | REINFORCEMENT VERTICAL | REINFORCEMENT HOOPS |
|---|---|---|---|
| P-1 | 24"Ø | (8) #8 | PER DETAILS |
| P-2 | 24"Ø | (8) #8 | PER DETAILS |

GRADE BEAM SCHEDULE

| MARK | SIZE | REINFORCEMENT TOP REINF | REINFORCEMENT BOTT REINF | REINFORCEMENT TIES (BAR SIZE) |
|---|---|---|---|---|
| GB-1 | 18" X 24" | (4) #6 | (4) #6 | #3@12 |
| GB-2 | 18" X 72" | (4) #6 | (4) #6 | #3@12 |
| GB-3 | 12" X 16" | (4) #6 | (4) #6 | #3@12 |

PILE CAP SCHEDULE

| MARK | SIZE | LENGTH | REINFORCEMENT VERTICAL | REINFORCEMENT HOOPS |
|---|---|---|---|---|
| PC-1 | 30 x 51 | 2' - 8" | (20) #8 | #4 @ 12 |
| PC-2 | 30 x 51 | 6' - 8" | (20) #8 | #4 @ 12 |
| PC-3 | 30 x 36 | 2' - 8" | (16) #8 | #4 @ 12 |
| PC-4 | 44 x 51 | 2' - 8" | (32) #8 | #4 @ 12 |
| PC-5 | 44 x 51 | 6' - 8" | (32) #8 | #4 @ 12 |
| PC-6 | 30 x 51 | 5' - 4" | (20) #8 | #4 @ 12 |

PLAN NORTH

0' 10' 20' 30' 40'

SCALE: 1"=10'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

STATE OF TEXAS
CAN A. ILTER
131356
LICENSED PROFESSIONAL ENGINEER

CAN AZIZ ILTER
TX PE LICENSE NO: 131356
02AUG21


ATKINS
11801 Domain Blvd., Suite 500 -
Austin TX 78758 - (512) 327-6840


AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

EAST CARGO EXPANSION

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/C Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| CHECKED BY: | JI |
| COORD. CHECK: | KP |
| FILE NAME: | L13189.026-S-1-02.dwg |
| DATE: | 02AUG21 |
| SCALE: | 1" = 10'-0" |

| No. | Date | Description | By |
|---|---|---|---|

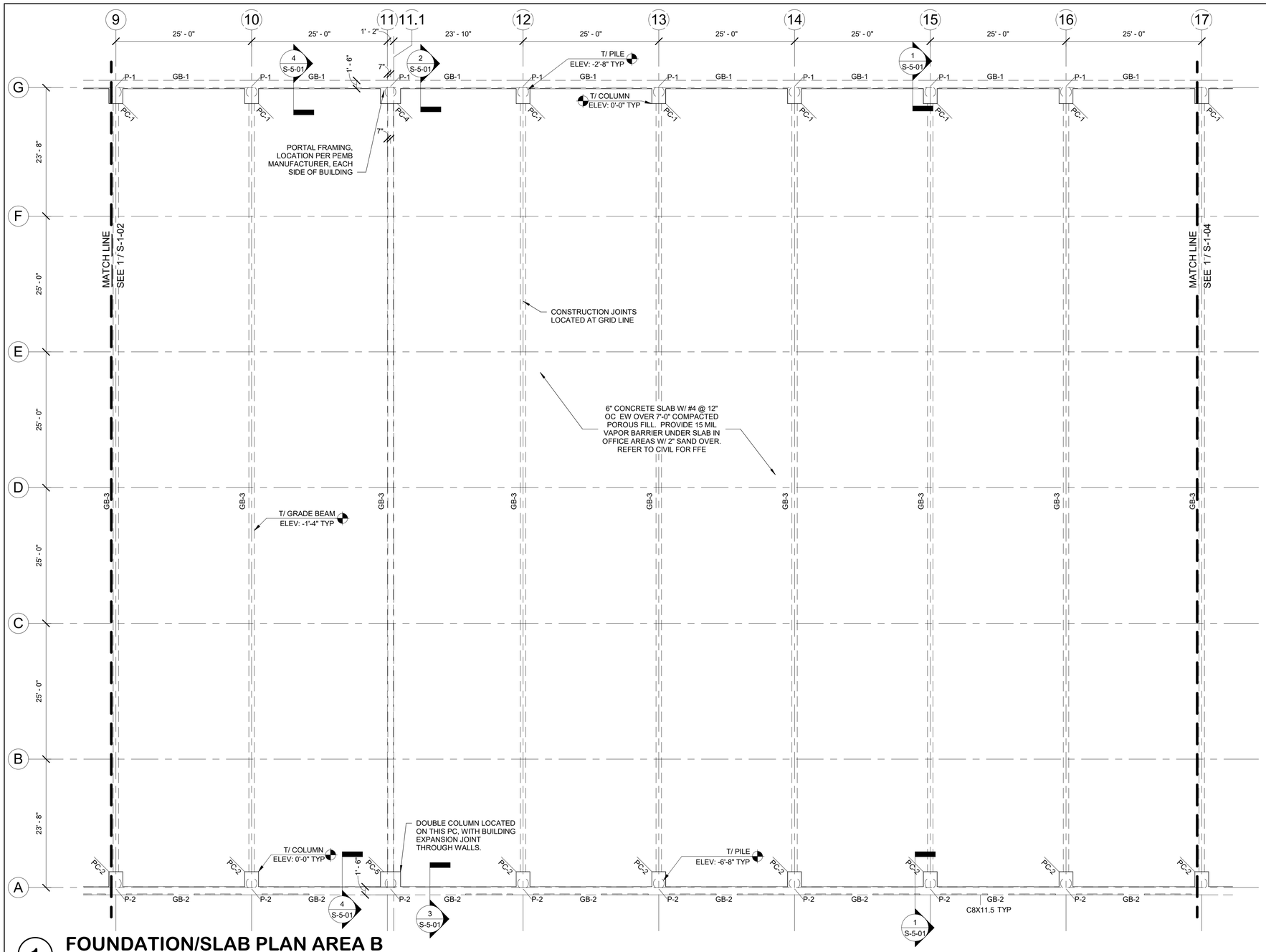
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

FOUNDATION/SLAB PLAN AREA A

SHEET NO.

S-1-02




# 1 FOUNDATION/SLAB PLAN AREA B

SCALE: 1" = 10'-0"

**FOUNDATION PLAN NOTES**

1. REFER TO GENERAL STRUCTURAL NOTES AND PROJECT SPECIFICATIONS FOR DEFINITION OF SYMBOLS, ABBREVIATIONS, AND OTHER INFORMATION AND CRITERIA NOT SHOWN ON PLAN.
2. FOUNDATION SIZES INDICATED ARE BASED ON THE SUBSURFACE RECOMMENDATIONS PROVIDED BY THE GEOTECHNICAL ENGINEER FOR THE PROJECT. REFER TO STRUCTURAL GENERAL NOTES FOR ADDITIONAL INFORMATION.
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4. ALL REINFORCING IN FOUNDATION AND SLAB CORNERS, INTERSECTIONS, TEES, AND CHANGES IN DIRECTION SHALL BE CONTINUOUS AND CORNER REINFORCING SHALL BE PROVIDED AND LAPPED.
5. CONCRETE SLAB ON GRADE CONTROL JOINTS SHALL NOT EXCEED A MAXIMUM SPACING OF 12'-6" O.C. EACH WAY. SEE TYPICAL DETAIL FOR ADDITIONAL INFORMATION.
6. EDGE OF SLAB DIMENSIONS AS WELL AS DEPRESSIONS REQUIRED FOR FLOOR FINISHES AND DRAINAGE SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS.
7. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SLAB PENETRATIONS AND UNDERGROUND UTILITIES.
8. STEEL STUD WALLS REFER TO ARCH FOR LAYOUT AND LOCATIONS

PILE SCHEDULE

| MARK | SIZE | REINFORCEMENT | |
|---|---|---|---|
| | | VERTICAL | HOOPS |
| P-1 | 24"Ø | (8) #8 | PER DETAILS |
| P-2 | 24"Ø | (8) #8 | PER DETAILS |

GRADE BEAM SCHEDULE

| MARK | SIZE | REINFORCEMENT | | |
|---|---|---|---|---|
| | | TOP REINF | BOTT REINF | TIES (BAR SIZE) |
| GB-1 | 18" X 24" | (4) #6 | (4) #6 | #3@12 |
| GB-2 | 18" X 72" | (4) #6 | (4) #6 | #3@12 |
| GB-3 | 12" X 16" | (4) #6 | (4) #6 | #3@12 |

PILE CAP SCHEDULE

| MARK | SIZE | LENGTH | REINFORCEMENT | |
|---|---|---|---|---|
| | | | VERTICAL | HOOPS |
| PC-1 | 30 x 51 | 2' - 8" | (20) #8 | #4 @ 12 |
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PLAN NORTH

0' 10' 20' 30' 40'

SCALE: 1"=10'

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| DRAWN BY: | CS | | | | |
| CHECKED BY: | JI | | | | |
| COORD. CHECK: | KP | | | | |
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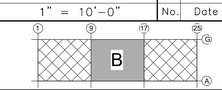
| DATE: | 02AUG21 | | | | |
| SCALE: | 1" = 10'-0" | No. | Date | Description | By |

KEY MAP



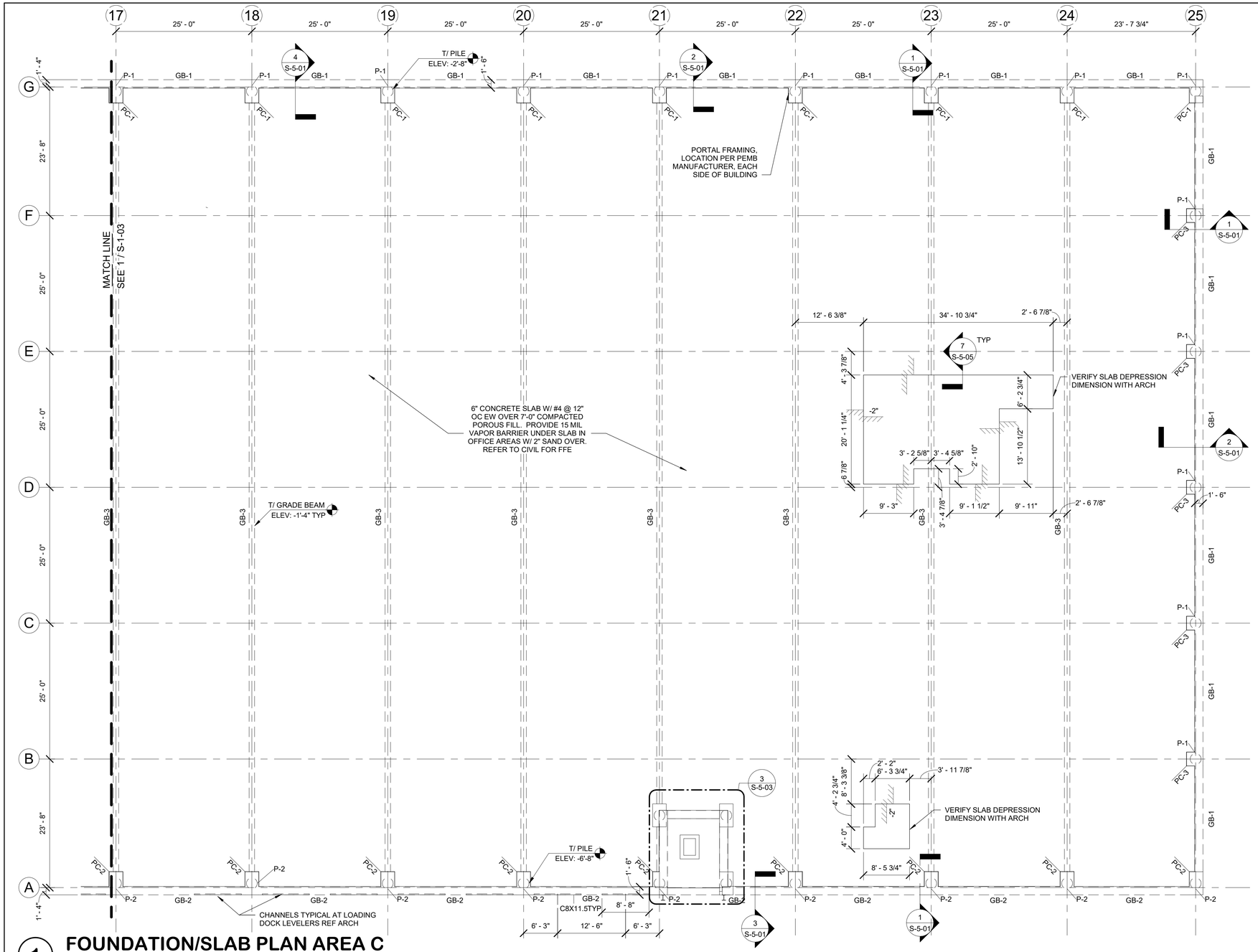

SECTOR J3

DRAWING DESCRIPTION:

FOUNDATION/SLAB PLAN AREA B

SHEET NO.

S-1-03




# 1 FOUNDATION/SLAB PLAN AREA C

SCALE: 1" = 10'-0"

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PILE SCHEDULE

| MARK | SIZE | REINFORCEMENT | |
|---|---|---|---|
| | | VERTICAL | HOOPS |
| P-1 | 24"Ø | (8) #8 | PER DETAILS |
| P-2 | 24"Ø | (8) #8 | PER DETAILS |

GRADE BEAM SCHEDULE

| MARK | SIZE | REINFORCEMENT | | |
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| | | TOP REINF | BOTT REINF | TIES (BAR SIZE) |
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PILE CAP SCHEDULE

| MARK | SIZE | LENGTH | REINFORCEMENT | |
|---|---|---|---|---|
| | | | VERTICAL | HOOPS |
| PC-1 | 30 x 51 | 2' - 8" | (20) #8 | #4 @ 12 |
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| PC-5 | 44 x 51 | 6' - 8" | (32) #8 | #4 @ 12 |
| PC-6 | 30 x 51 | 5' - 4" | (20) #8 | #4 @ 12 |

PLAN NORTH

0' 10' 20' 30' 40'

SCALE: 1"=10'

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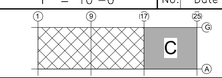
| DRAWN BY: | CS | | | |
| CHECKED BY: | JI | | | |
| COORD. CHECK: | KP | | | |
| FILE NAME: L13189.026-S-1-04.dwg | | | | |
| DATE: | 02AUG21 | | | |
| SCALE: | 1" = 10'-0" | No. | Date | Description | By |

KEY MAP



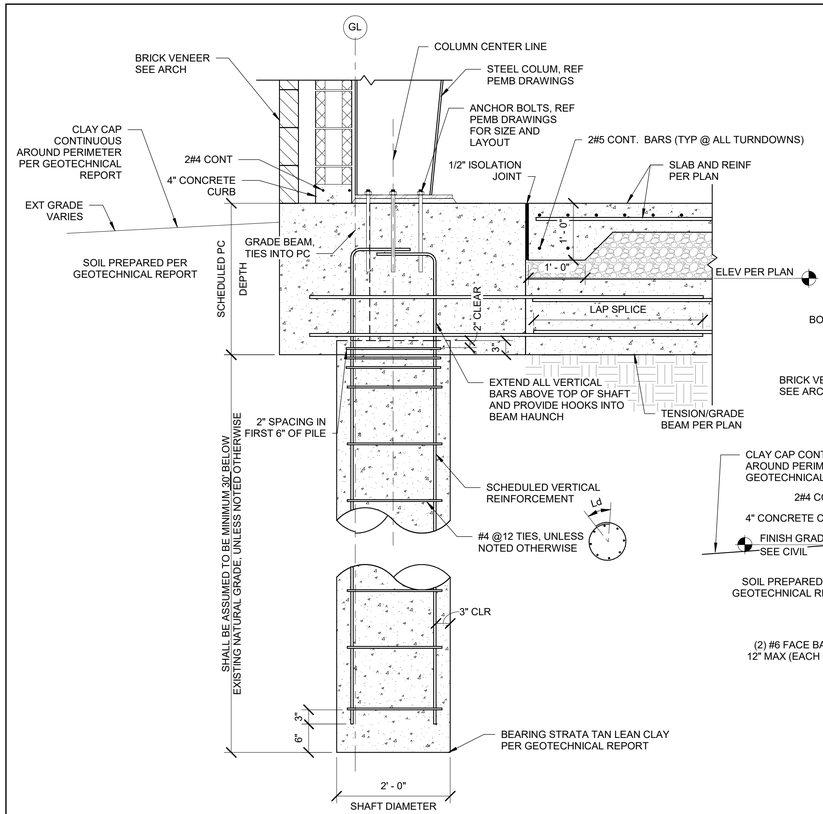

SECTOR J3

DRAWING DESCRIPTION:

FOUNDATION/SLAB PLAN AREA C

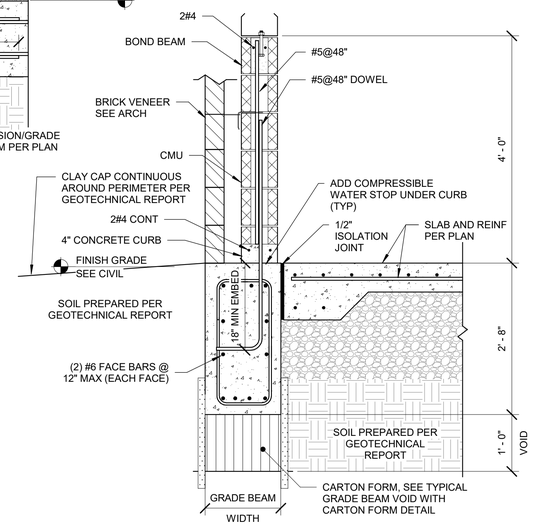
SHEET NO.

S-1-04



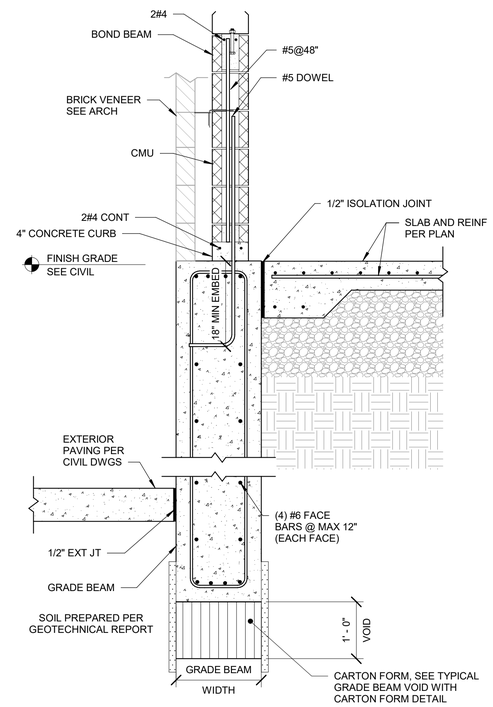

## 1 TYPICAL PIER DETAIL

SCALE: 3/4" = 1'-0"



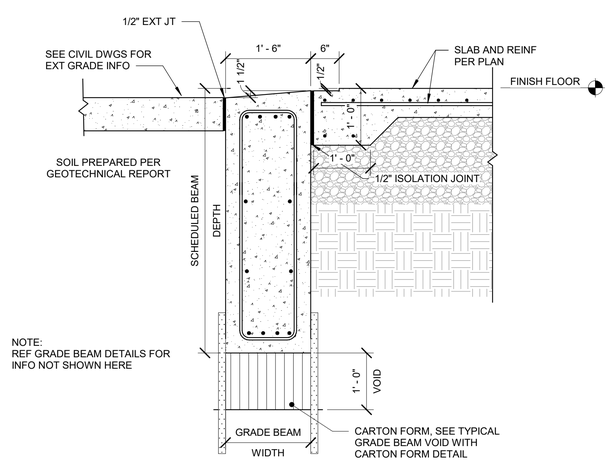

## 2 TYPICAL WALL & GRADE BEAM (GB-1)

SCALE: 3/4" = 1'-0"



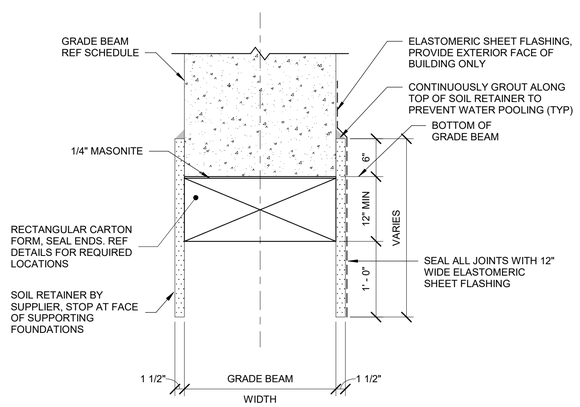

## 3 TYPICAL WALL & GRADE BEAM (GB-2)

SCALE: 3/4" = 1'-0"



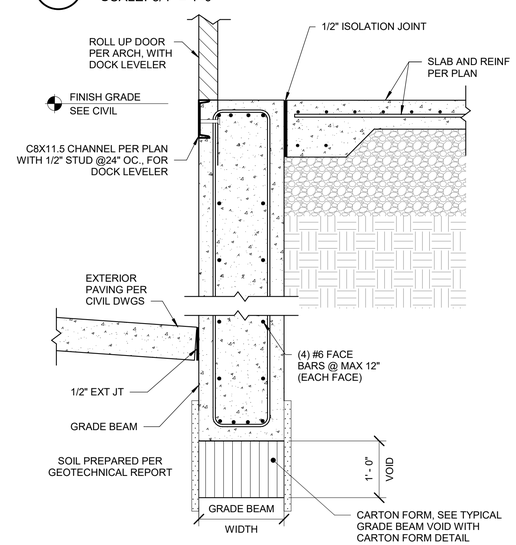

## 4 GRADE BEAM AT DOOR OPENING

SCALE: 3/4" = 1'-0"




## 5 VOID FORM DETAILS

SCALE: 1" = 1'-0"




## 6 DOCK LEVELER & GRADE BEAM (GB-2)

SCALE: 3/4" = 1'-0"

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| COORD. CHECK: | KP | | | | |
| FILE NAME: | L13189.026-S-5-01.dwg | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | As indicated | No. | Date | Description | By |

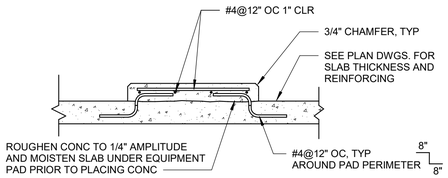
KEY MAP SECTOR J3

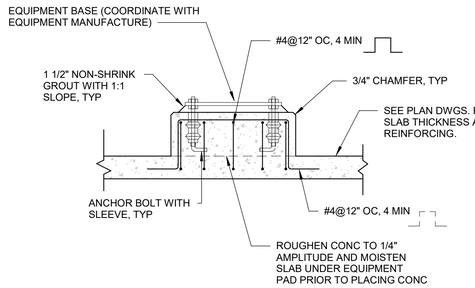
DRAWING DESCRIPTION:

**TYPICAL DETAILS**

SHEET NO.

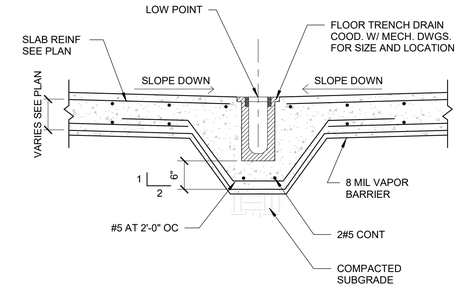
**S-5-01**



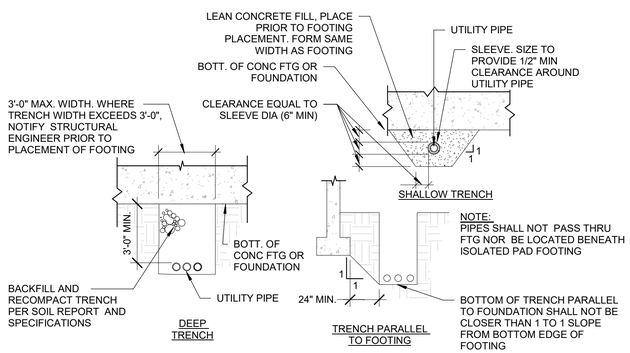




NOTES:
1. THE MINIMUM PAD SIZE SHALL BE AS INDICATED OR AS DETERMINED BY THE EQUIPMENT MANUFACTURER.
2. THE SIZE, NUMBER, TYPE, LOCATION AND THE THREAD PROJECTION OF THE ANCHOR BOLTS SHALL BE DETERMINED BY THE EQUIPMENT MANUFACTURER. HOLD CONCRETE ANCHOR BOLTS IN POSITION WITH A TEMPLATE WHILE PAD IS BEING PLACED.
3. USE PIPE SLEEVES TO PROVIDE THE ANCHOR BOLT A MINIMUM MOVEMENT OF 1/2" IN ALL DIRECTIONS. THE MINIMUM SLEEVE LENGTH SHALL BE 8 TIMES THE BOLT DIAMETER. SLEEVES SHALL BE FILLED WITH NON-SHRINK GROUT AFTER EQUIPMENT IS INSTALLED.
4. PIPE SLEEVES SHALL HAVE A MINIMUM INTERNAL DIAMETER 1" GREATER AND A MAXIMUM INTERNAL DIAMETER 3" GREATER THAN THE ANCHOR BOLT DIAMETER.
5. EQUIPMENT BASES SHALL BE INSTALLED LEVEL UNLESS NOTED OTHERWISE ON THE PLANS.
6. PROVIDE WEDGES OR SHIMS TO SUPPORT THE BASE WHILE THE NON-SHRINK GROUT IS PLACED. TEMPORARY LEVELING NUTS SHALL BE BACKED OFF. THE WEDGES OR SHIMS THAT REMAIN IN PLACE SHALL NOT BE EXPOSED TO VIEW.

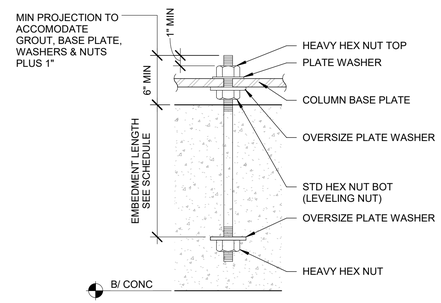
## 1 TYP EQUIPMENT PADS
SCALE: NTS




## 2 FLOOR TRENCH DETAIL
SCALE: NTS

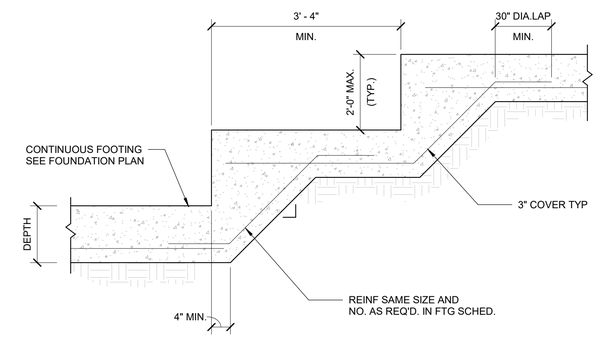



## 3 TYP UTILITY TRENCH AT CONT FOOTING
SCALE: NTS

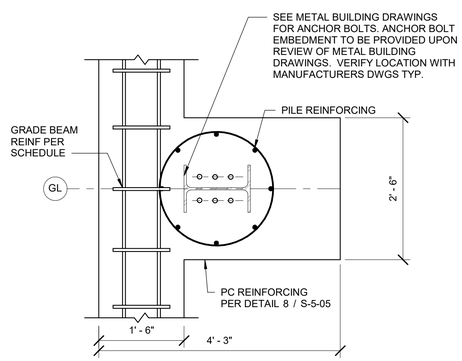



NOTES:
1. HEAVY HEX NUT AT THE EMBEDDED END SHALL BE TACK WELDED TO THE ANCHOR BOLT.
2. UNLESS NOTED OTHERWISE, ALL BOLTS SHALL BE TIGHTENED TO A "SNUG TIGHT" CONDITION AS DEFINED BY AISC AFTER THE CONCRETE IS AT LEAST 14 DAYS OLD.
3. THE HOLD IN THE BASE PLATE AND PLATE WASHER SHALL BE 1/16" LARGER THAN THE BOLT DIAMETER.
4. ALL ANCHOR BOLTS SHALL BE HOT DIPPED GALVANIZED W/ GALVANIZED WASHERS.

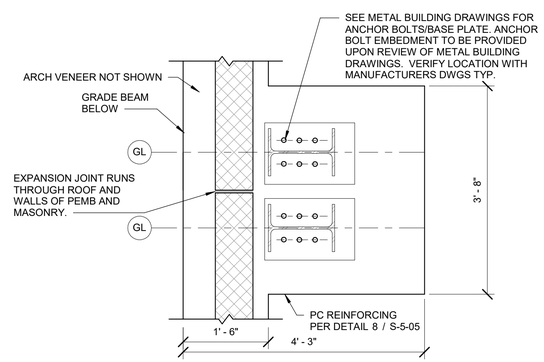
## 4 TYP ANCHOR BOLT DIAGRAM
SCALE: NTS




## 5 TYP CONCRETE FTG. STEPS
SCALE: NTS




## 6 PLAN AT TYPICAL PC
SCALE: 3/4" = 1'-0"




## 7 PLAN AT BUILDING EXPANSION JOINT
SCALE: 3/4" = 1'-0"

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STATE OF TEXAS
CAN A. ILTER
131356
LICENSED
PROFESSIONAL ENGINEER

CAN AZIZ ILTER
TX PE LICENSE NO: 131356
02AUG21


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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# EAST CARGO EXPANSION

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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|---|---|---|---|---|---|
| DRAWN BY: | CS | | | | |
| CHECKED BY: | JI | | | | |
| COORD. CHECK: | KP | | | | |
| FILE NAME: L13189.026-S-5-02.dwg | | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | As indicated | No. | Date | Description | By |

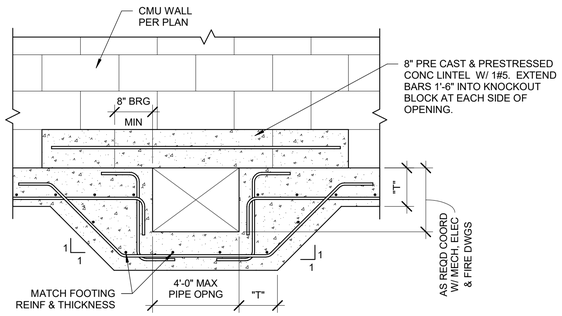
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**TYPICAL FOUNDATION DETAILS**

SHEET NO.

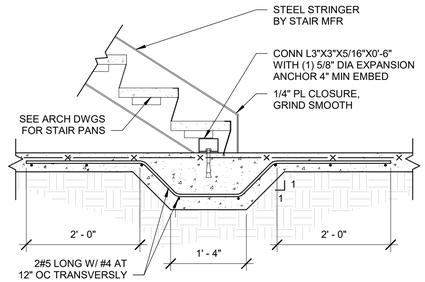
**S-5-02**




NOTE:
SEE NOTES IN FOUNDATION PLAN FOR OPENINGS BELOW SLAB ELEVATIONS AND COORDINATE SIZES.

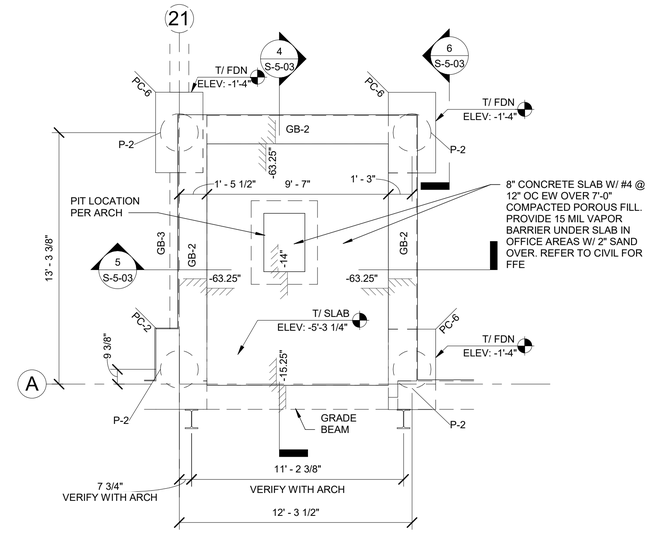
## 1 TYP STEP FOOTING FOR PIPES

SCALE: NTS



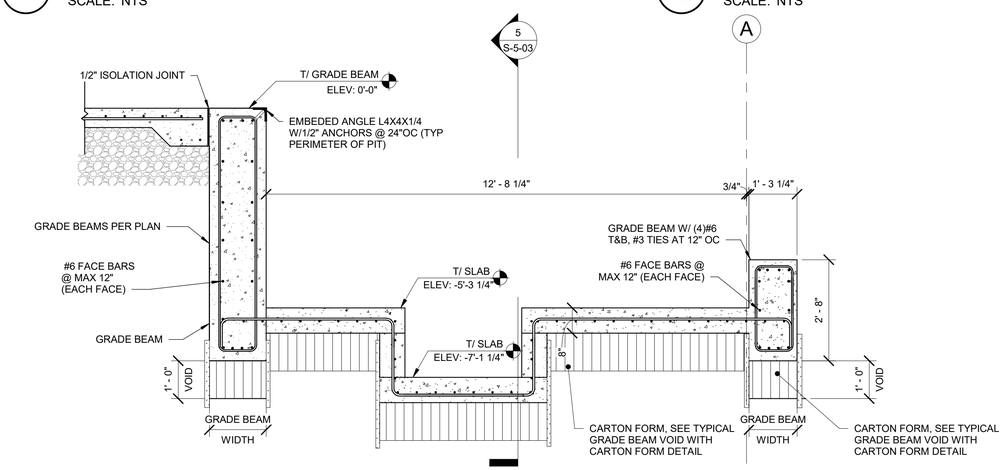

## 2 TYP STAIR FOOTING SECTION

SCALE: NTS



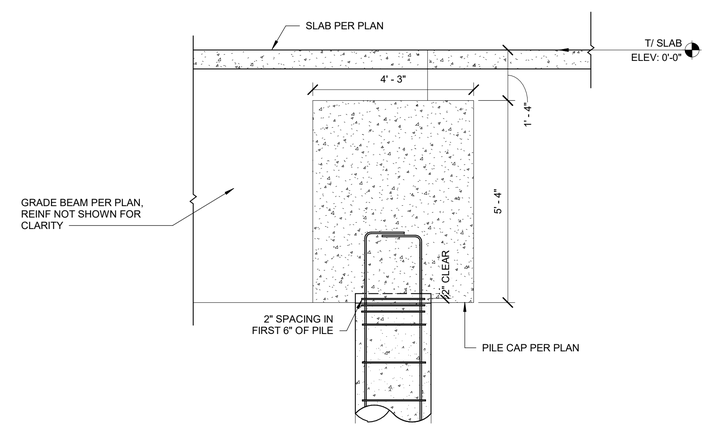

## 3 SCISSOR LIFT ENLARGED PLAN

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



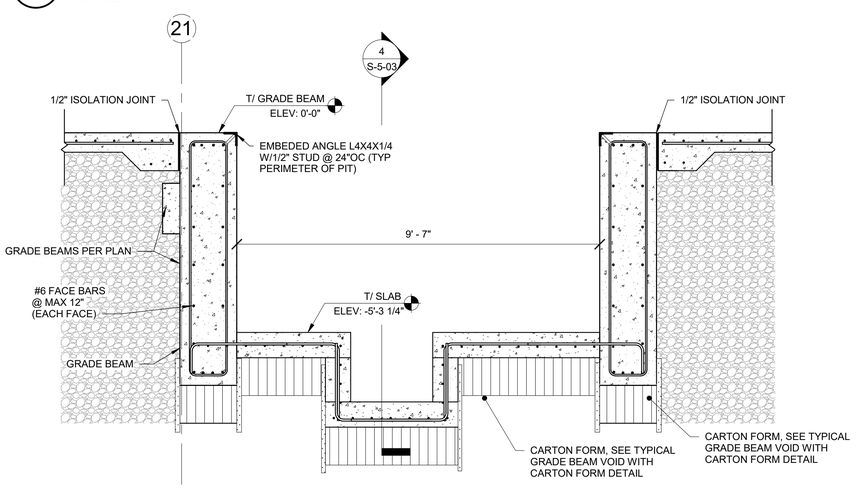

## 4 SCISSOR LIFT SECTION

SCALE: 1/2" = 1'-0"




## 6 SCISSOR LIFT PC SECTION

SCALE: 1/2" = 1'-0"




## 5 SCISSOR LIFT SECTION 2

SCALE: 1/2" = 1'-0"

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ABIA Project No:L13189.026 Permit Issue No:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| DATE: | 02AUG21 | | | | |
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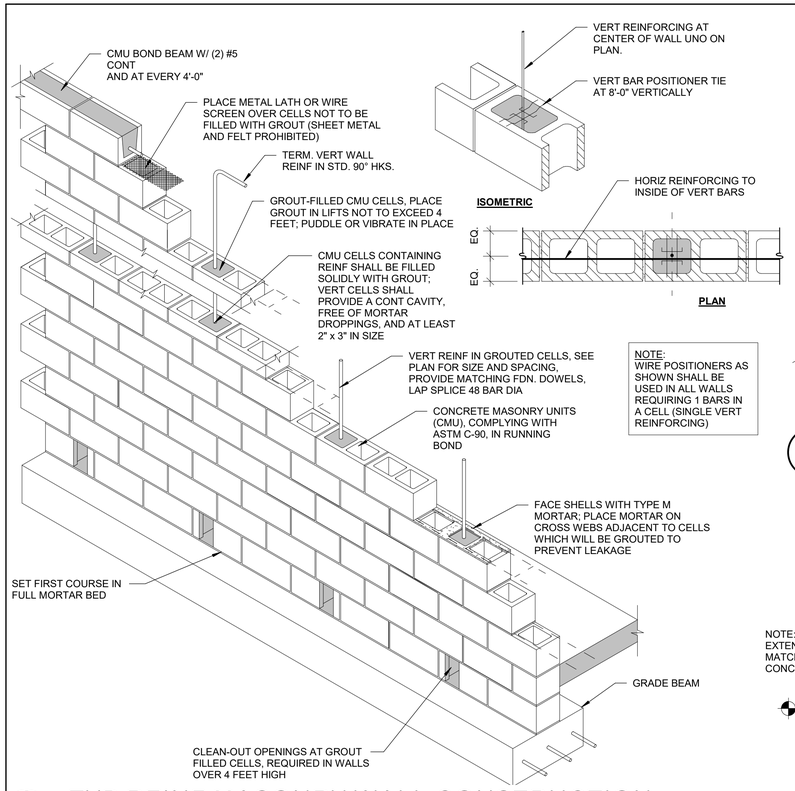
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

TYPICAL FOUNDATION DETAILS

SHEET NO.

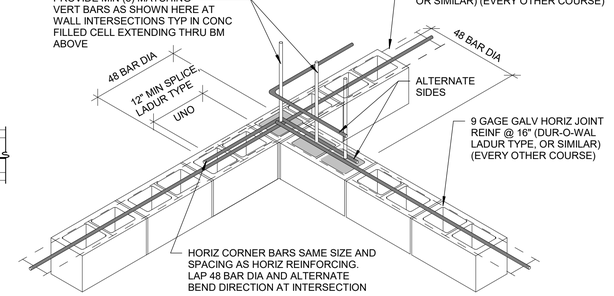
S-5-03




## 1 TYP REINF MASONRY WALL CONSTRUCTION

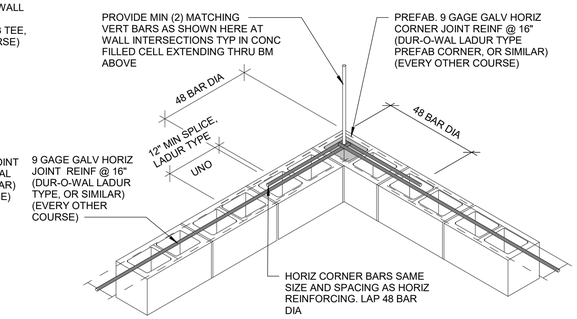
SCALE: NTS

NOTES:
1. REGULAR SPACED VERT REINFORCING AND GROUT NOT SHOWN FOR CLARITY.
2. AT DOUBLE HORIZ REINFORCING PROVIDE CORNER BAR FOR EACH HORIZ BAR.



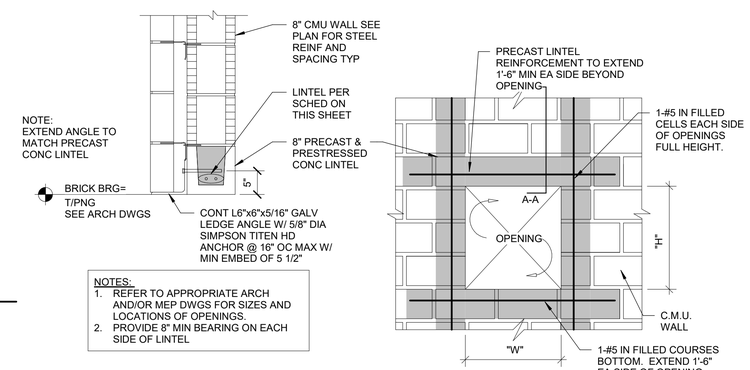

## 2 TEE WALL INTERSECTION

SCALE: NTS




## 3 TYP REINF CORNER DETAIL

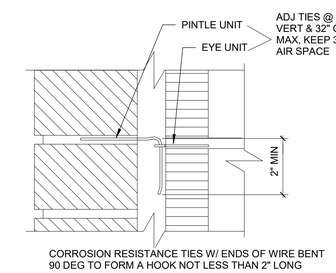
SCALE: NTS




NOTES:
1. REFER TO APPROPRIATE ARCH AND/OR MEP DWGS FOR SIZES AND LOCATIONS OF OPENINGS.
2. PROVIDE 8" MIN BEARING ON EACH SIDE OF LINTEL

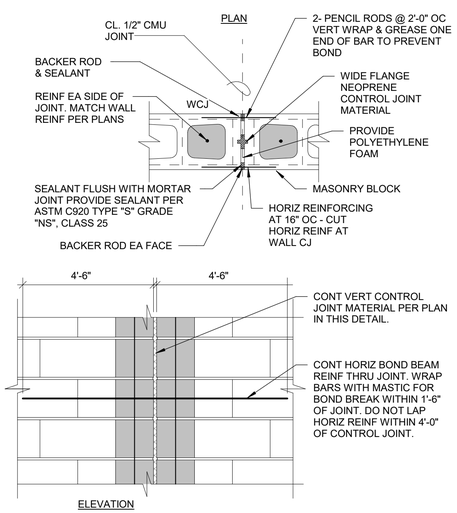
## 4 TYP MASONRY WALL OPENING ELEVATION

SCALE: NTS




## 6 MASONRY TIES

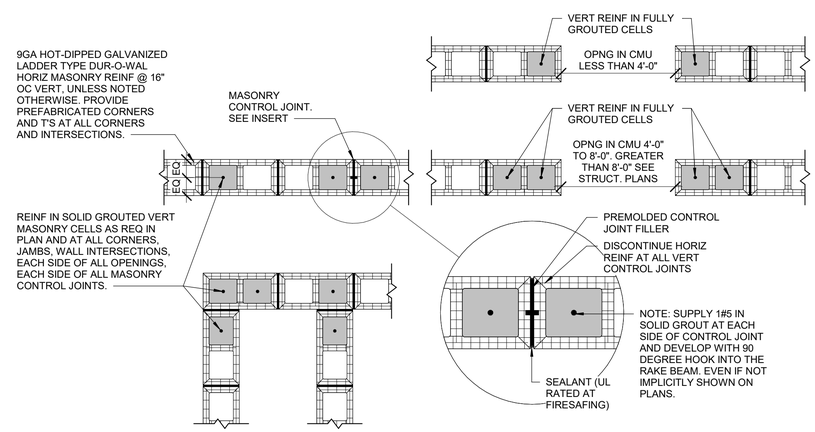
SCALE: NTS




NOTES:
1. MASONRY CONTROL JOINTS TO BE COORDINATED WITH ARCH ELEVATIONS, PLANS AND SPECIFICATIONS.
2. WALL CONTROL JOINTS SHOULD MATCH LOCATION OF SLAB CONTROL JOINTS. ONLY AS NOTED IN PLAN.
3. CONTROL JOINTS AT MASONRY WALLS SHOULD BE PLACED AT SPACINGS NOT EXCEEDING 25'-4" OR 3 TIMES THE WALL HEIGHT WHICHEVER IS LESS. MORE SPECIFICALLY WHEN SELECTING A LOCATION IT SHOULD INCLUDE
   A. CHANGES IN WALL HT. OR THICKNESS
   B. OVER OPENINGS AT ONE SIDE PAST THE LINTEL
   C. AT INTERSECTING WALL
   D. AT CONSTRUCTION JOINTS IN SLAB
   E. NOT LESS THAN 2'-0" FROM A BEARING PLATE
4. GC TO PROVIDE SHOP DWGS WITH LOCATIONS OF CONTROL JOINTS AND ALL VERT REINF FOR REVIEW BY A/E.

## 5 MASONRY CONTROL JOINT (MCJ)

SCALE: NTS




## 7 REINF & GROUTING DETAILS

SCALE: NTS

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

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9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| DATE: | 02AUG21 | | | | |
| SCALE: | As indicated | No. | Date | Description | By |

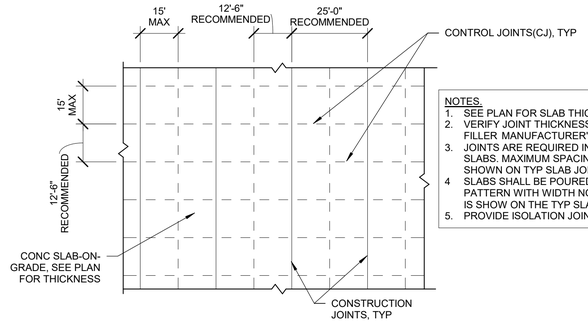
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**TYPICAL MASONRY DETAILS**

SHEET NO.

**S-5-04**

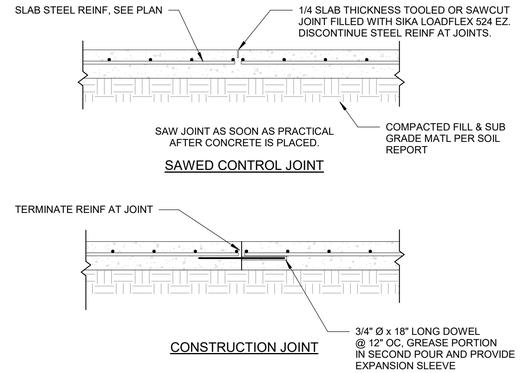



TYP SLAB JOINT PLAN

NOTES:
1. SEE PLAN FOR SLAB THICKNESS.
2. VERIFY JOINT THICKNESS WITH JOINT FILLER MANUFACTURER'S RECOMMENDATION.
3. JOINTS ARE REQUIRED IN ALL EXPOSED SLABS. MAXIMUM SPACING OF JOINTS IS SHOWN ON TYP SLAB JOINT PLAN.
4 SLABS SHALL BE POURED IN A STRIP PATTERN WITH WIDTH NOT EXCEEDING WHAT IS SHOW ON THE TYP SLAB JOINT PLAN.
5. PROVIDE ISOLATION JOINT AT COLUMNS.

## 1 SLAB ON GRADE JOINT NOTES

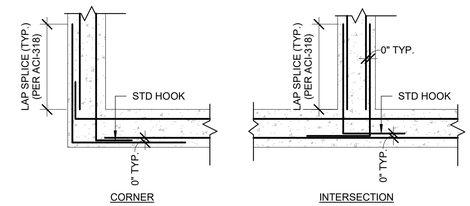
SCALE: NTS




NOTE:
1. CJ INDICATES CONTROL JOINT, CSJ INDICATES CONSTRUCTION JOINT.
2. CONTROL JOINTS SHALL BE SAWCUT AS SOON AS POSSIBLE WITHOUT RAVELING CONCRETE (4 TO 16 HOURS AFTER PLACEMENT MAX)
3. JOINT PLACEMENT REQUIREMENTS:
   FOR ENCLOSED/INTERIOR AREAS. 20'-0" OC MAX EW
   FOR OUTSIDE/EXTERIOR AREAS. 10'-0" OC MAX EW
   WHERE TOP OF SLAB SURFACES ARE TO BE FINISHED WITH TILE, GENERAL CONTRACTOR IS TO COORD JOINT LOCATIONS WITH THAT OF MORTAR JOINTS.

## 2 SLAB ON GRADE JOINTS

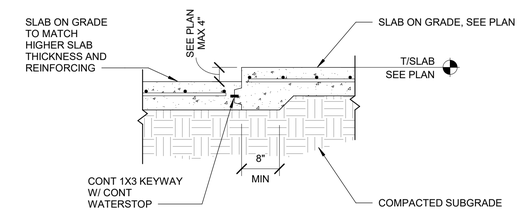
SCALE: NTS




NOTE:
PROVIDE MATCHING CORNER BARS FOR ALL HORIZ REINF AT INTERSECTIONS & CORNERS OF ALL FOOTINGS, THICKENED SLABS ON GRADE, WALLS, BEAMS, AND CONTINUOUS KNOCK-OUT BLOCKS, UNO.

## 6 TYP CORNER REINF DETAIL

SCALE: 3/4" = 1'-0"

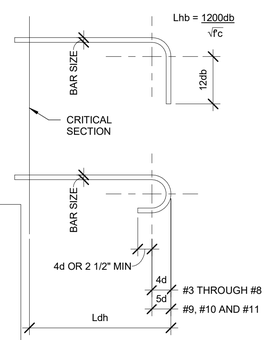



## 7 TYP SMALL SLAB DEPRESSION

SCALE: 3/4" = 1'-0"

ACI HOOK DEVELOPMENT LENGTHS FOR f'c =3,000 TO 5,000 PSI

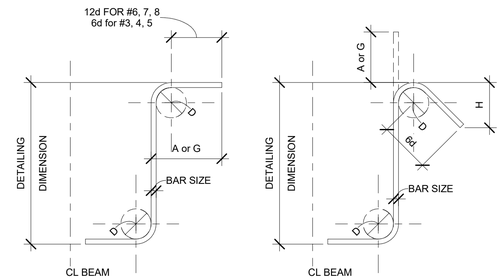
| BAR SIZE | f'c = 3,000 PSI | f'c = 4,000 PSI | f'c = 5,000 PSI |
|---|---|---|---|
| #3 | 9 | 7 | 7 |
| #4 | 11 | 10 | 9 |
| #5 | 14 | 12 | 11 |
| #6 | 17 | 15 | 13 |
| #7 | 19 | 17 | 15 |
| #8 | 22 | 19 | 17 |
| #9 | 25 | 22 | 19 |




NOTES:
1. TABULATED VALUES BASED ON GRADE 60 REINF BARS AND NORMAL WEIGHT CONCRETE.
2. TENSION DEVELOPMENT LENGTHS OF STANDARD HOOKS ARE BASED ON ACI 318-14. SECTION 25.4.3.LENGTHS ARE IN INCHES.
3. FOR BAR SIZES #3 THROUGH #11 ONLY:
   A. IF CONCRETE COVER CONFORMS TO ACI 318-14, TABLE 25.4.3.2, THEN A MODIFICATION FACTOR OF 0.7 MAY BE APPLIED BUT THE RESULTING LENGTH MUST NOT BE LESS THAN 8db OR 6 IN.
   B. IF HOOK IS ENCLOSED IN TIES OR STIRRUPS CONFORMING TO ACI 318-14, TABLE 25.4.3.2, THEN A MODIFICATION FACTOR OF 0.8 MAY BE APPLIED BUT THE RESULTING LENGTH MUST NOT BE LESS THAN 8db OR 6 IN.
4. FOR EPOXY-COATED HOOKS, MULTIPLY THE TABULATED VALUES BY 1.2.

## 3 DEVELOPMENT OF STANDARD HOOKS

SCALE: NTS




90° STIRRUP (TIES SIMILAR)

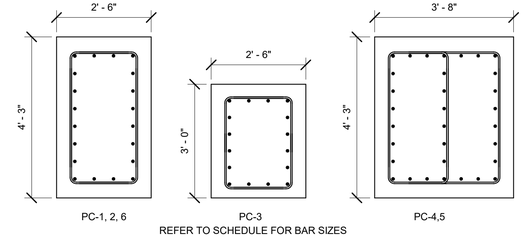
STIRRUP AND TIE HOOK DIMENSIONS ALL GRADES:

| BAR SIZE | D (in.) | 90° | 135° | |
|---|---|---|---|---|
| | | A or G | A or G | H* |
| #3 | 1 1/2" | 4" | 4" | 2 1/2" |
| #4 | 2" | 4 1/2" | 4 1/2" | 3" |
| #5 | 2 1/2" | 6" | 5 1/2" | 3 3/4" |
| #6 | 4 1/2" | 1'-0" | 8" | 4 1/2" |
| #7 | 5 1/4" | 1'-2" | 9" | 5 1/4" |
| #8 | 6" | 1'-4" | 10 1/2" | 6" |

*H DIMENSION IS APPROXIMATE

## 5 STIRRUP AND TIE HOOKS

SCALE: NTS




## 8 PC REINFORCING LAYOUT

SCALE: NTS

| BAR SIZE | f'c = 3,000 PSI | | f'c = 4,000 PSI | | f'c = 5,000 PSI | |
|---|---|---|---|---|---|---|
| | TOP BARS | OTHER BARS | TOP BARS | OTHER BARS | TOP BARS | OTHER BARS |
| #3 | 28 | 22 | 24 | 19 | 22 | 17 |
| #4 | 37 | 29 | 32 | 25 | 29 | 22 |
| #5 | 47 | 36 | 40 | 31 | 36 | 28 |
| #6 | 56 | 43 | 48 | 37 | 43 | 33 |
| #7 | 81 | 63 | 70 | 54 | 63 | 49 |
| #8 | 93 | 72 | 80 | 62 | 72 | 55 |
| #9 | 105 | 81 | 91 | 70 | 81 | 63 |

NOTES:
1. TABULATED VALUES BASED ON GRADE 60 REINF BARS AND NORMAL WEIGHT CONCRETE.
2. TENSION DEVELOPMENT LENGTHS AND TENSION LAP SPLICE LENGTHS ARE BASED ON ACI 318, RESPECTIVELY. TABULATED VALUES FOR BEAMS OR COLUMNS ARE BASED ON TRANSVERSE REINFORCEMENT AND CONCRETE COVER MEETING MINIMUM CODE REQUIREMENTS. LENGTHS ARE IN INCHES.
3. LAP SPLICES OF #14 OR #18 BARS ARE NOT PERMITTED. THE TABULATED VALUES FOR THOSE BAR SIZES ARE THE TENSION DEVELOPMENT LENGTHS.
4. TOP BARS ARE HORIZ BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BARS.
5. FOR LIGHTWEIGHT APPREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.3; OR WHEN fct IS SPECIFIED, THE FACTOR IS 6.7 √f'c / fct ≥ 1.0.

## 4 TENSION LAP SPLICE LENGTHS

SCALE: NTS

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| DATE: | 02AUG21 |
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KEY MAP SECTOR J3

DRAWING DESCRIPTION:

TYPICAL CONCRETE DETAILS

SHEET NO.

S-5-05

# MECHANICAL LEGEND

| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
|---|---|---|---|---|---|---|---|
| | EXISTING EQUIPMENT TO REMAIN | | RETURN AIR DUCT DOWN | | DOMESTIC COLD WATER PIPING<br>DOMESTIC HOT WATER PIPING | | PIPE ELBOW DOWN |
| | EXISTING EQUIPMENT TO BE REMOVED | | EXHAUST AIR DUCT DOWN | TW | HOT WATER RECIRCULATION PIPING<br>TEMPERED HOT WATER | | PIPE ELBOW UP |
| | NEW EQUIPMENT | SCFM(X) | SUPPLY AIR DEVICE DESIGNATION | ACW | AUXILIARY COLD WATER PIPING | | PIPE UNION |
| | NEW EQUIPMENT ON ROOF OR NEXT HIGHER LEVEL | RCFM(X) | RETURN AIR DEVICE DESIGNATION | S | SANITARY WASTE PIPING | | GATE VALVE |
| | DUCT WITH VOLUME DAMPER | ECFM(X) | EXHAUST AIR DEVICE DESIGNATION | GW | GREASE TRAP WASTE PIPING | | GLOBE VALVE |
| FD | DUCT WITH FIRE DAMPER | AS | AIR SEPARATOR | SD | STORM DRAIN PIPING | | BALANCING VALVE |
| BD | DUCT WITH BACKDRAFT DAMPER | A.A.V. | AUTOMATIC AIR VENT | OD | OVERFLOW DRAIN PIPING | | CONTROL VALVE, 2-WAY |
| M | DUCT WITH MOTORIZED DAMPER | | THERMOMETER | | SANITARY VENT PIPING | | CONTROL VALVE, 3-WAY |
| S | DUCT MOUNTED SMOKE DETECTOR | | THERMOMETER WELL WITH CAP AND CHAIN | AW | ACID RESISTANT WASTE PIPING | | BALL VALVE |
| AD | DUCT WITH ACCESS DOOR | | VENTURI FLOW METER | AV | ACID VENT PIPING | | BUTTERFLY VALVE |
| | ROUND DUCT ELBOW DOWN | | FLEXIBLE CONNECTION | G | GAS PIPING | | GAS VALVE |
| | MAIN DUCT WITH SPIN-IN FITTING AND VOLUME DAMPER | HB/ HBNF | HOSE BIBB/ NON-FREEZE HOSE BIBB | D | CONDENSATE DRAIN PIPING | | CHECK VALVE, SWING GATE |
| | FLEXIBLE DUCT | FS | FLOW SWITCH | AD | AUXILIARY CONDENSATE DRAIN PIPING | | PRESSURE GAUGE ASSEMBLY |
| | SUPPLY AIR DIFFUSER | PS | PRESSURE SWITCH | HS | HYDRONIC SUPPLY PIPING | | PRESSURE RELIEF VALVE |
| | RETURN AIR GRILLE | | PUMP | HR | HYDRONIC RETURN PIPING | | GAUGE COCK |
| | EXHAUST AIR GRILLE | H | HUMIDISTAT | RL | REFRIGERANT LIQUID PIPING | | REDUCER, CONCENTRIC |
| | SUPPLY AIR DUCT UP | T | THERMOSTAT | RS | REFRIGERANT SUCTION PIPING | | REDUCER, ECCENTRIC |
| | RETURN AIR DUCT UP | TX | SECONDARY THERMOSTAT/ TEMPERATURE SENSOR | CHWS<br>CHWR | CHILLED WATER SUPPLY<br>CHILLED WATER RETURN | | STRAINER |
| | EXHAUST AIR DUCT UP | | POINT OF DISCONNECT | HWS<br>HWR | HEATING WATER SUPPLY<br>HEATING WATER RETURN | | STRAINER, BLOWOFF |
| | SUPPLY AIR DUCT DOWN | | POINT OF CONNECTION | F | FIRE LINE | | CIRCUIT SETTER |

NOTE: THIS LEGEND IS GENERAL IN NATURE. SOME OF THE LISTED SYMBOLS MAY NOT APPEAR IN THIS SET OF DRAWINGS.

# ABBREVIATIONS

| | | | | | |
|---|---|---|---|---|---|
| A. (AMP) | AMPERES | FLEX. | FLEXIBLE | PLBG. | PLUMBING |
| A (SYM.) | AMPERES SYMMETRICAL | FPI | FINS PER INCH | PNL. | PANELBOARD |
| AC | ALTERNATING CURRENT | FRP | FIRE RETARDANT PIPE | POC | POINT OF CONNECTION |
| ACP | AIR HANDLING UNIT CONTROL PANEL | FVNR | FULL VOLTAGE NON-REVERSING | PR. | PAIR |
| AD | ACCESS DOOR | GND. | GROUND | QUAD. | QUADRUPLEX |
| AFD | ADJUSTABLE FREQUENCY DRIVE | GFI | GROUND FAULT CIRCUIT INTERRUPTER | RA | RETURN AIR |
| AFF | ABOVE FINISHED FLOOR | GR. | GRADE | RF. | ROOF |
| AFG | ABOVE FINISHED GRADE | GRC | GALVANIZED RIGID CONDUIT | RPM | REVOLUTIONS PER MINUTE |
| AHJ | AUTHORITY HAVING JURISDICTION | HB | HOSE BIBB | SA | SUPPLY AIR |
| AIC | AMPS INTERRUPTING CAPACITY | HD | HARD-DRAWN | SCCR | SHORT CIRCUIT CURRENT RATING |
| AR | ACID RESISTANT | HP | HORSEPOWER | SD | SOFT-DRAWN |
| ATP | AUTOMATIC TRAP PRIMER | HW | DOMESTIC HOT WATER | SEER | SEASONAL ENERGY EFFICIENCY RATING |
| AVTR | ACID VENT THROUGH ROOF | HZ. | HERTZ (CYCLES PER SECOND) | SHT. | SHEET |
| AW | ACID WASTE | IG | ISOLATED GROUND | SOV | SHUT-OFF VALVE |
| AWG | AMERICAN WIRE GAGE | IMB | ICE MACHINE BOX | SP | STATIC PRESSURE |
| BFG | BELOW FINAL GRADE | ISO. | ISOLATION | SPECS. | SPECIFICATIONS |
| BLDG. | BUILDING | K | KILO / THOUSAND | STL. | STEEL |
| BTU | BRITISH THERMAL UNITS | KCMIL | THOUSAND CIRCULAR MILS | SW. | SWITCH |
| BTUH | BRITISH THERMAL UNITS PER HOUR | KV | KILO-VOLTS | SWBD. | SWITCHBOARD |
| C. | CONDUIT | KVA | KILO-VOLT x AMPERES | SWGR. | SWITCHGEAR |
| CAB. | CABINET | KW | KILO-WATT | T. | TRIP |
| C/B | CIRCUIT BREAKER | KWHR | KILO-WATT HOUR (KW x HR.) | T/S | TWISTED/SHIELDED |
| C/L | CENTERLINE | LAT | LEAVING AIR TEMPERATURE | TERM. | TERMINATION |
| CFH | CUBIC FEET PER HOUR | LR | LONG RADIUS | T-M | THERMAL-MAGNETIC |
| CFM | CUBIC FEET PER MINUTE | LTG. | LIGHTING | TR | TAMPER RESISTANT |
| CKT. | CIRCUIT | MAX. | MAXIMUM | TSP | TOTAL STATIC PRESSURE |
| CLG. | CEILING | MBH | 1000 BTU PER HOUR | TU | TERMINAL UNIT |
| COM | COMMUNICATION CONDUIT | MC | MECHANICAL CONTRACTOR | TYP. | TYPICAL |
| CONT. | CONTINUE | MCP | MOTOR CIRCUIT PROTECTOR | UL | UNDERWRITERS LABORATORY |
| CONN. | CONNECT (ION) | MIN. | MINIMUM | UNO | UNLESS NOTED OTHERWISE |
| CO | CLEANOUT | MTR. | MOTOR | V. | VENT |
| COP | COEFFICIENT OF PERFORMANCE | MTD. | MOUNTED | VIB | VALVE IN BOX |
| CT | CURRENT TRANSFORMER | MVD | MANUAL VOLUME DAMPER | VAC | VOLTS AC |
| CW | DOMESTIC COLD WATER | (N) | NEW | VDC | VOLTS DC |
| DB | DRY BULB | NC | NORMALLY CLOSED | VFD | VARIABLE FREQUENCY DRIVE |
| DC | DIRECT CURRENT | N.C. | NOISE CRITERIA | VTR | VENT THROUGH ROOF |
| DISC. | DISCONNECT | NEMA | NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION | VAV, VVT | VARIABLE AIR VOLUME TERMINAL |
| DN | DOWN | | | VT | VOLTAGE TAP OR TRANSDUCER |
| DS | DOWN SPOUT | NETA | NATIONAL ELECTRICAL TESTING ASSOCIATION | W. | WATT, WIRE |
| DWGS. | DRAWINGS | NF | NON-FUSED | W/ | WITH |
| DYCO | DOUBLE YARD CLEANOUT | NIC | NOT IN CONTRACT | WAP | WIRELESS ACCESS POINT |
| EA. | EACH | NO | NORMALLY OPEN | WB | WET BULB |
| EA | EXHAUST AIR | NO. | NUMBER | WCO | WALL CLEANOUT |
| EAT | ENTERING AIR TEMPERATURE | OA | OUTSIDE AIR | WG | WATER GAUGE |
| EC | ELECTRICAL CONTRACTOR | OBD | OPPOSED BLADE DAMPER | WHA | WATER HAMMER ARRESTER |
| EER | ENERGY EFFICIENCY RATING | OFCI | OWNER FURNISHED, CONTRACTOR INSTALLED | WIU | WHILE IN USE |
| EFF. | EFFICIENCY | OHD | OPEN HUB DRAIN | WMB | WASHING MACHINE BOX |
| ENCL. | ENCLOSURE | P. | POLE (S) | WP | WEATHERPROOF |
| ESP | EXTERNAL STATIC PRESSURE | PB | PULL BOX, PUSH-BUTTON | WPD | WATER PRESSURE DROP |
| EXIST., (E) | EXISTING, EXISTING TO REMAIN | PD | PRESSURE DROP | WR | WEATHER RESISTANT |
| F. | FUSE(D), FRAME | PF | POWER FACTOR | XFMR. | TRANSFORMER |
| FCO | FLOOR CLEANOUT | PH. | PHASE | (X) | EXISTING TO BE DEMOLISHED |
| | | | | YCO | YARD CLEANOUT |

NOTE: THIS LEGEND IS GENERAL IN NATURE. SOME OF THE LISTED SYMBOLS MAY NOT APPEAR IN THIS SET OF DRAWINGS.

# GENERAL NOTES

1. IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE AND WORKABLE INSTALLATION BE PROVIDED. TO THIS END, THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, SUPERVISION, TRANSPORTATION, WAREHOUSING, AND OTHER SERVICES REQUIRED TO COMPLETE THE WORK IN AN EFFICIENT AND TIMELY MANNER.

2. ALL WORK, INCLUDING MATERIALS AND WORKMANSHIP, SHALL CONFORM TO THE REQUIREMENTS OF ALL LOCAL CODES, LAWS, AND ORDINANCES AND THE NEC, INTERNATIONAL FIRE CODES,AND NFPA 101, AMENDED AND SUPPLEMENTED BY AUSTIN BERGSTROM INTERNATIONAL AIRPORT STANDARDS. WORK SHALL BE COMPLETE IN ALL RESPECTS AND IN ACCORDANCE WITH THE BEST ESTABLISHED AND ACCEPTED CONSTRUCTION PRACTICES.

3. CONTRACTOR SHALL PROCURE ALL REQUIRED PERMITS FROM THE LEGALLY CONSTITUTED AUTHORITIES, ARRANGE ALL INSPECTIONS AND PAY FOR ALL REQUIRED TESTING AND UTILITY CONNECTIONS.

4. CONTRACTOR SHALL FURNISH, INSTALL/ERECT AND MAINTAIN, FOR THE DURATION OF THE WORK, ALL GUARDRAILS, LIGHTS, WARNING SIGNS, STAGING, VENTILATION, ETC. REQUIRED BY LOCAL AND STATE LAWS AND ORDINANCES, INCLUDING THE SAFETY ORDERS OF OSHA.

5. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND SHALL BECOME THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS. BY THE ACT OF SUBMITTING A BID, THIS CONTRACTOR ACCEPTS THE CONDITIONS UNDER WHICH THE WORK WILL BE PERFORMED.

6. SUBSTITUTIONS OR DEVIATIONS FROM THE PLANS AND SPECIFICATIONS WILL ONLY BE CONSIDERED 10 DAYS PRIOR TO THE TIME OF BIDDING AND ONLY WHEN SUBMITTED IN WRITING. THE BURDEN OF PROOF THAT THE SUBSTITUTED ITEM IS EQUAL TO THE SPECIFIED ITEM RESTS WITH THE CONTRACTOR.

7. CONTRACTOR SHALL PROTECT EXISTING BUILDINGS, STRUCTURES AND UTILITIES FROM DAMAGE. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT NO EXPENSE TO THE OWNER.

8. THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT ALL OFFSETS, BENDS, SPECIAL FITTINGS AND LOCATIONS ARE NOT EXACTLY LOCATED.

9. ALL INDICATED DIMENSIONS ARE APPROXIMATE AND ARE GIVEN FOR ESTIMATE PURPOSES ONLY. BEFORE PROCEEDING WITH THE WORK, CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS, SIZES, REQUIRED CLEARANCES AND SHALL ASSUME FULL RESPONSIBILITY FOR THE FITTING OF ALL EQUIPMENT AND MATERIALS HEREIN REQUIRED TO OTHER PARTS OF THE WORK AND TO THE WORK OF OTHER TRADES.

10. CONTRACTOR SHALL COMPLY WITH ALL CONTRACT DOCUMENTS IN LAYING OUT THE WORK AND EQUIPMENT. CONTRACTOR SHALL COORDINATE THE WORK WITH THE WORK OF OTHER TRADES AND ALL JOB CONDITIONS.

11. CONTRACTOR SHALL HAVE A COMPETENT SUPERINTENDENT PRESENT AT THE JOB SITE AT ALL TIMES, WITH AUTHORITY TO ACT FOR THE CONTRACTOR.

12. ALL CONTRACTOR PERSONNEL WILL BE RESTRICTED TO THE PARTICULAR JOB SITE OF THIS CONTRACT.

13. UNLESS NOTED OTHERWISE, ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND OF THE HIGHEST QUALITY.

14. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

15. ANY APPARATUS, APPLIANCE, DEVICE, MATERIAL, OR WORK NOT SHOWN ON DRAWINGS BUT MENTIONED IN THE SPECIFICATIONS, OR VICE VERSA, OR ANY INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE AND PERFECT IN ALL RESPECTS AND READY FOR TESTING AND OPERATION, EVEN IF NOT PARTICULARLY SPECIFIED, SHALL BE FURNISHED, DELIVERED, AND INSTALLED BY THE CONTRACTOR WITHOUT ADDITIONAL COST TO THE OWNER.

16. ALL MISCELLANEOUS IRON AND STEEL WORK REQUIRED TO PROPERLY INSTALL EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. WORK INCLUDES ALL HANGERS, SUPPORTS, RACKS, BRACKETS AND ANY WELDING REQUIRED.

17. ACCESS AND WORKING SPACE SHALL BE PROVIDED AND MAINTAINED AROUND ALL MECHANICAL, ELECTRICAL AND CONTROL EQUIPMENT TO PERMIT READY AND SAFE OPERATION, EXAMINATION AND MAINTENANCE.

18. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN A DAILY RECORD OF ALL DEVIATIONS FROM THE BID DRAWINGS. ALL DIMENSIONS AND OTHER INFORMATION NECESSARY TO COMPLETELY EXPLAIN AND LOCATE ALL ELEMENTS OF THESE DEVIATIONS SHALL BE RECORDED. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL SUBMIT TO THE OWNER'S REPRESENTATIVE, ONE COMPLETE SET OF REPRODUCIBLE DRAWINGS CORRECTED TO REFLECT "AS-BUILT" CONDITIONS OF THE WORK.

19. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL OR RUBBISH; MAINTAIN THE WORK AREA IN A NEAT, ORDERLY MANNER, AND LEAVE THE PREMISES IN A BROOM-CLEAN CONDITION AT THE END OF EACH DAY. THE CONTRACTOR SHALL FURNISH TRASH BINS AND SHALL BE RESPONSIBLE FOR THE PROPER TRANSPORTATION AND DISPOSAL OF ALL WASTE MATERIAL.

20. ANY INTERRUPTIONS AND/OR SHUTDOWN OF EXISTING SERVICES SHALL BE MADE ONLY WITH THE APPROVAL OF AND AT TIMES DESIGNATED BY OWNER.

21. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL DEMONSTRATE, TO THE OWNER'S SATISFACTION, THE OPERATION OF THE INSTALLED EQUIPMENT AND SYSTEMS TO THE INTENT OF THE DESIGN.

22. ALL WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER. DURING THIS PERIOD, ANY DEFECT FOUND IN MATERIAL OR WORKMANSHIP SHALL BE REPAIRED OR REPLACED TO OWNER'S SATISFACTION, AT THE CONTRACTOR'S EXPENSE.

23. COORDINATE THE INSTALLATION REQUIREMENTS OF EQUIPMENT WITH MANUFACTURERS WRITTEN INSTRUCTIONS. CHANGES REQUIRED FROM THE USE OF PRODUCTS THAT ARE OTHER THAN THE BASIS OF DESIGN SHALL BE BORNE BY THE CONTRACTOR.

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

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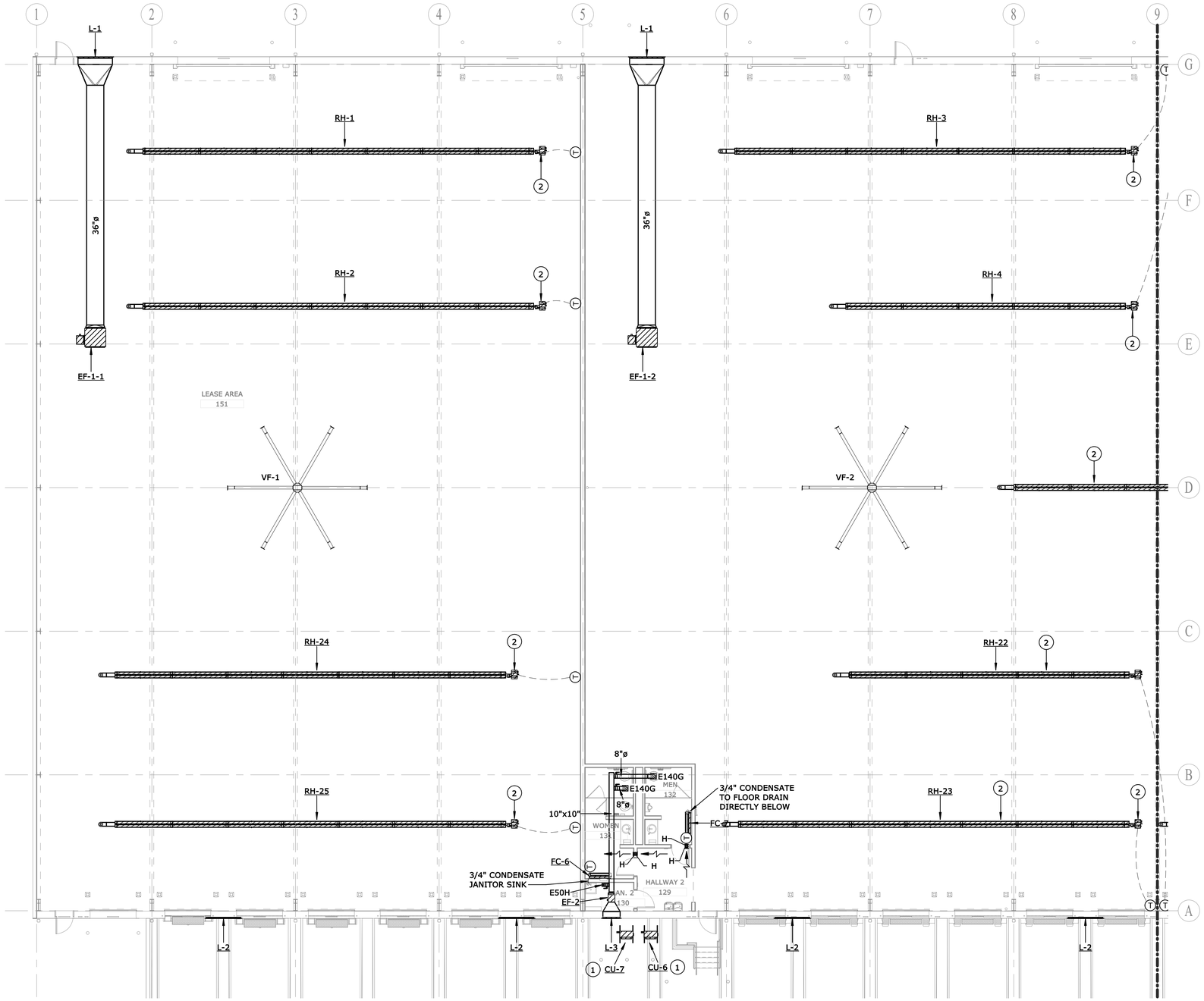
KEY MAP

DRAWING DESCRIPTION:

**MECHANICAL LEGEND, NOTES, AND ABBREVIATIONS**

SHEET NO.

**MH-0-01**




1 MECHANICAL FLOOR PLAN

1" = 10'-0"

## GENERAL NOTES

1. DRAWING IS DIAGRAMMATIC ONLY. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF DUCTWORK, PIPING, DEVICES AND EQUIPMENT WITH BUILDING ELEMENTS AND THE WORK OF OTHER TRADES.

2. USE MANUFACTURER PROVIDED THERMOSTATS WITH CONTROL WIRING AND CONDUIT TO BE INSTALLED BY THE MECHANICAL CONTRACTOR.

3. REFER TO MH-0-01 FOR SYMBOLS AND ABBREVIATIONS FOR THIS SHEET.

4. THERMOSTATS ARE TO BE MOUNTED 44"AFF TO CENTER OF THE DEVICE.

5. ROUTE CONDENSATE TO NEAREST FLOOR DRAIN WITH 1" AIR GAP.

6. LARGE CEILING FANS SHALL BE INTERLOCKED WITH THE BUILDING FIRE ALARM SYSTEM TO SHUT DOWN UPON ACTIVATION OF THE BUILDING FIRE ALARM.

7. EXPOSED DUCTWORK AND HANGERS ARE TO BE PAINTED THE SAME COLOR AS THE ROOF DECK. DUCTWORK SHALL BE PROVIDED WITH PAINT GRIP.

## KEYED NOTES "(*)"

1 OUTDOOR UNITS TO BE MOUNTED ON 6" REINFORCED CONCRETE PAD EXTENDING 4" OUTSIDE THE PERIMETER OF THE EQUIPMENT ON EACH SIDE. COORDINATE PAD DIMENSIONS WITH FINAL EQUIPMENT SUBMITTAL.

2 PROVIDE TYPE B VENT DUCTS FROM GAS HEATER AND TERMINATE OUTSIDE OF BUILDING TO APPROVED VENT CAP. ROOF VENTS SHALL NOT PENETRATE ROOF IN AREAS DEDICATED TO THE PV PANELS. REFER TO HEATER DETAIL, SCHEDULE AND MANUFACTURER'S RECOMMENDATIONS FOR ADDITIONAL INFORMATION.

PLAN NORTH

0' 10' 20' 30' 40'

SCALE: 1"=10'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

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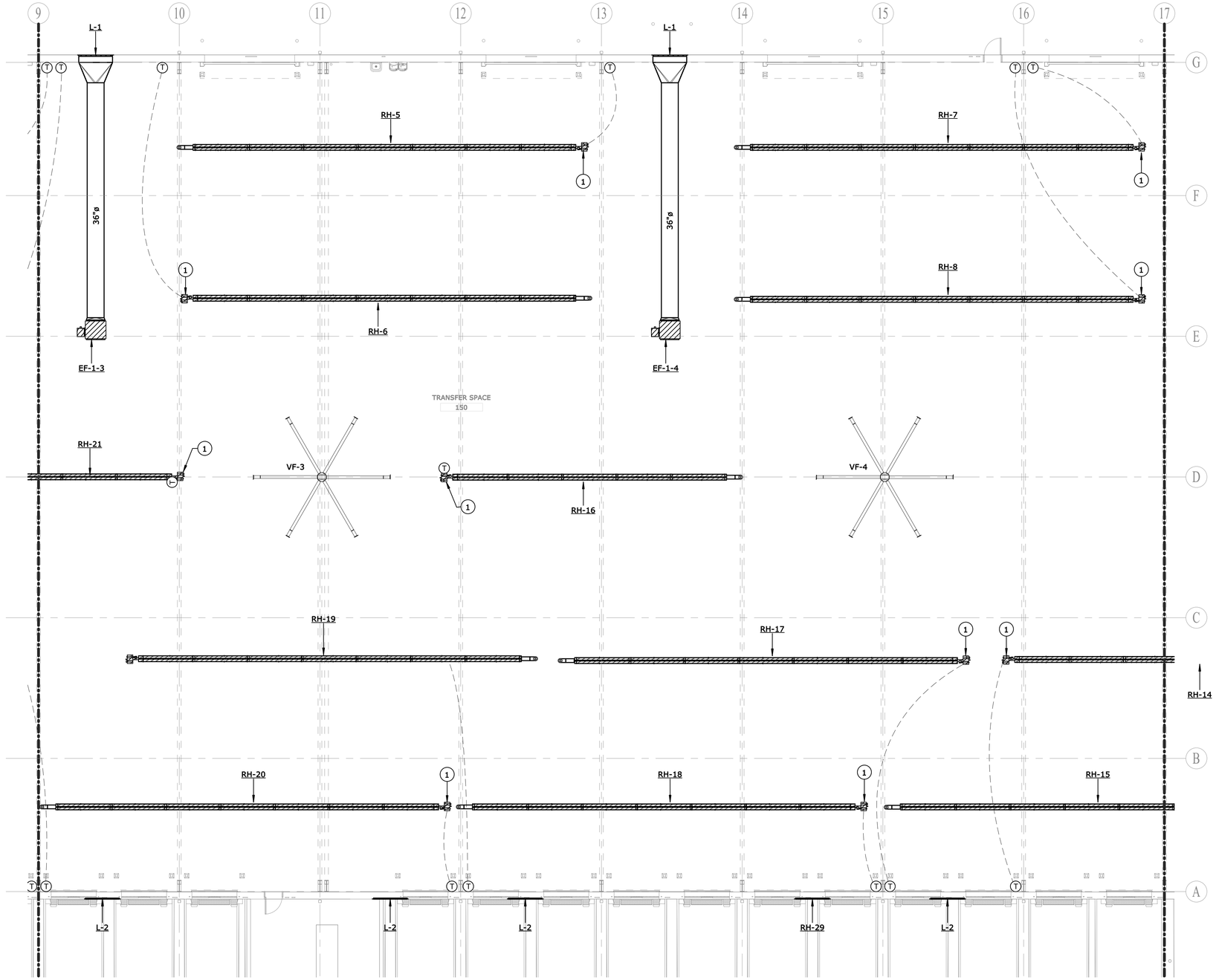
KEY MAP — A — SECTOR J3

DRAWING DESCRIPTION:

**MECHANICAL FLOOR PLAN - AREA A**

SHEET NO.

**MH-1-01**




1 MECHANICAL FLOOR PLAN
1" = 10'-0"

## GENERAL NOTES

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3. REFER TO MH-0-01 FOR SYMBOLS AND ABBREVIATIONS FOR THIS SHEET.

4. THERMOSTATS ARE TO BE MOUNTED 44"AFF TO CENTER OF DEVICE.

5. ROUTE CONDENSATE TO NEAREST FLOOR DRAIN WITH 1" AIR GAP.

6. LARGE CEILING FANS SHALL BE INTERLOCKED WITH THE BUILDING FIRE ALARM SYSTEM TO SHUT DOWN UPON ACTIVATION OF THE BUILDING FIRE ALARM.

7. EXPOSED DUCTWORK AND HANGERS ARE TO BE PAINTED THE SAME COLOR AS THE ROOF DECK. DUCTWORK SHALL BE PROVIDED WITH PAINT GRIP.

## KEYED NOTES "(*)"

1 PROVIDE TYPE B VENT DUCTS FROM GAS HEATER AND TERMINATE OUTSIDE OF BUILDING TO APPROVED VENT CAP. ROOF VENTS SHALL NOT PENETRATE ROOF IN AREAS DEDICATED TO THE PV PANELS. REFER TO HEATER DETAIL, SCHEDULE AND MANUFACTURER'S RECOMMENDATIONS FOR ADDITIONAL INFORMATION.

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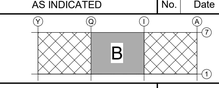
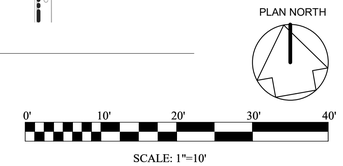
KEY MAP




SECTOR J3

PLAN NORTH




SCALE: 1"=10'

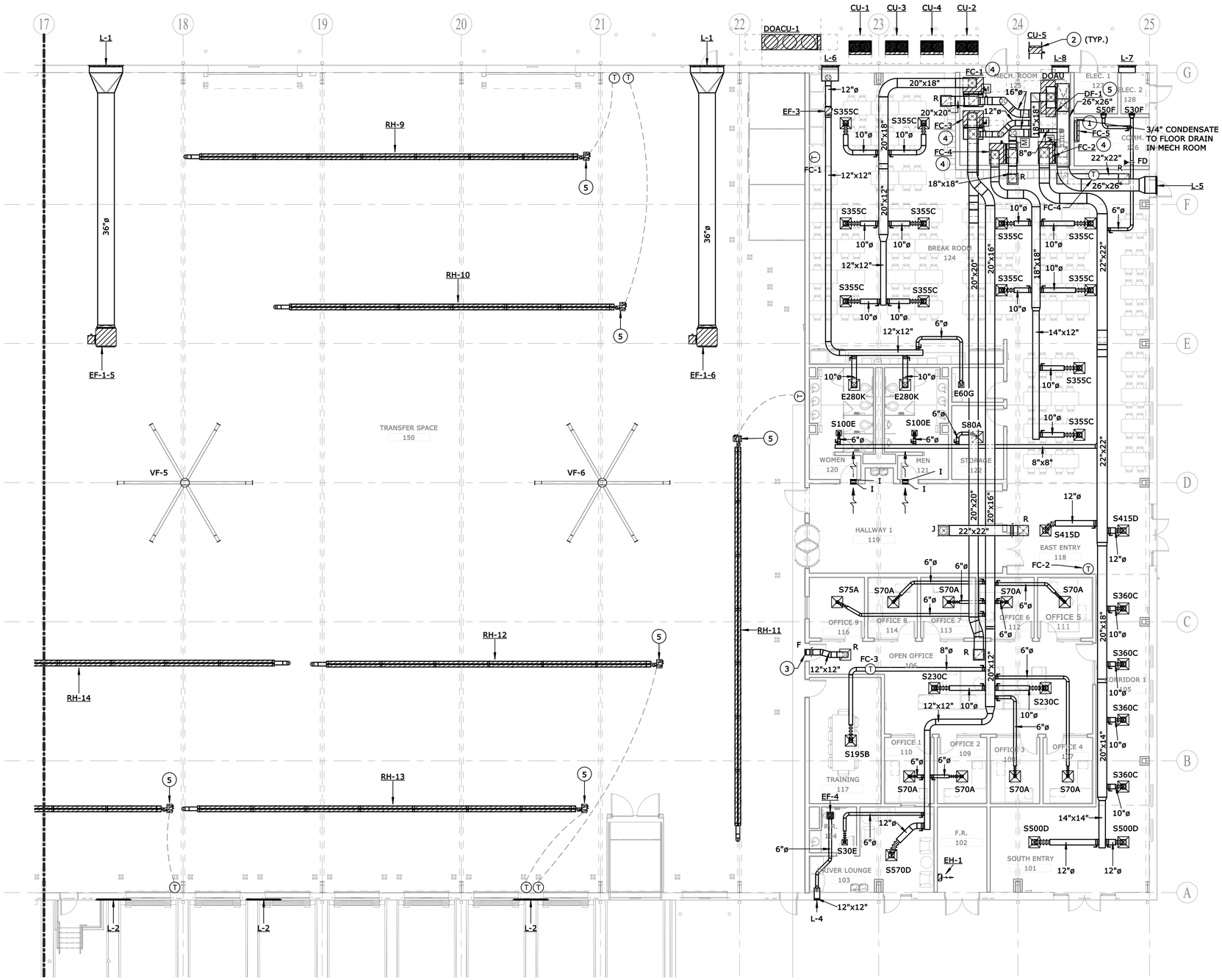
ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

DRAWING DESCRIPTION:

**MECHANICAL FLOOR PLAN - AREA B**

SHEET NO.

**MH-1-02**




1 MECHANICAL FLOOR PLAN

1" = 10'-0"

## GENERAL NOTES

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2. USE MANUFACTURER PROVIDED THERMOSTATS WITH CONTROL WIRING AND CONDUIT TO BE INSTALLED BY THE MECHANICAL CONTRACTOR.

3. REFER TO MH-0-01 FOR SYMBOLS AND ABBREVIATIONS FOR THIS SHEET.

4. THERMOSTATS ARE TO BE MOUNTED 44"AFF TO CENTER OF DEVICE.

5. ROUTE CONDENSATE TO NEAREST FLOOR DRAIN WITH 1" AIR GAP.

6. LARGE CEILING FANS SHALL BE INTERLOCKED WITH THE BUILDING FIRE ALARM SYSTEM TO SHUT DOWN UPON ACTIVATION OF THE BUILDING FIRE ALARM.

7. EXPOSED DUCTWORK AND HANGERS ARE TO BE PAINTED THE SAME COLOR AS THE ROOF DECK. DUCTWORK SHALL BE PROVIDED WITH PAINT GRIP.

## KEYED NOTES "(*)"

1. VERIFY WALL MOUNTED FAN COIL UNIT MOUNTING HEIGHTS AND CLEARANCES WITH MANUFACTURER. ENSURE NOT TO MOUNT DIRECTLY ABOVE ELECTRICAL/IT EQUIPMENT UNLESS PROVIDED WITH DRAIN PAN TO PROTECT THE EQUIPMENT FROM CONDENSATE DRIPPING. TERMINATE REFRIGERANT LINES TO ASSOCIATED CONDENSING UNIT. ROUTE 3/4" CONDENSATE WITH 1" AIR GAP TO FLOOR DRAIN IN THE MECHANICAL ROOM.
2. OUTDOOR UNITS TO BE MOUNTED ON 6" REINFORCED CONCRETE PAD EXTENDING 4" OUTSIDE THE PERIMETER OF THE EQUIPMENT ON EACH SIDE. COORDINATE PAD DIMENSIONS WITH FINAL EQUIPMENT SUBMITTAL.
3. PROVIDE MESH INSECT SCREEN BEHIND THE WALL GRILLE.
4. FAN COIL UNITS ARE STAND-ALONE OEM CONTROLS. OUTSIDE AIR DAMPERS ARE TO BE 120V POWER AND INTERLOCKED WITH THE ASSOCIATED FAN COIL UNIT. UPON FAN COIL UNIT SHUT-DOWN THE DAMPER WILL CLOSE. WHEN FAN COIL UNIS IS ON IT WILL ENERGIZE THE OUTSIDE AIR DAMPER AND OPEN TO SETPOINT. WIRING FOR CONTROLS TO BE PROVIDED BY THE MECHANICAL CONTRACTOR. ROUTE 3/4" CONDENSATE PIPE WITH 1" AIR GAP TO FLOOR DRAIN IN THE MECHANICAL ROOM.
5. PROVIDE TYPE B VENT DUCTS FROM GAS HEATER AND TERMINATE OUTSIDE OF BUILDING TO APPROVED VENT CAP. ROOF VENTS SHALL NOT PENETRATE ROOF IN AREAS DEDICATED TO THE PV PANELS. REFER TO HEATER DETAIL, SCHEDULE AND MANUFACTURER'S RECOMMENDATIONS FOR ADDITIONAL INFORMATION.

PLAN NORTH

0' 10' 20' 30' 40'

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KEY MAP — C — SECTOR J3

DRAWING DESCRIPTION:

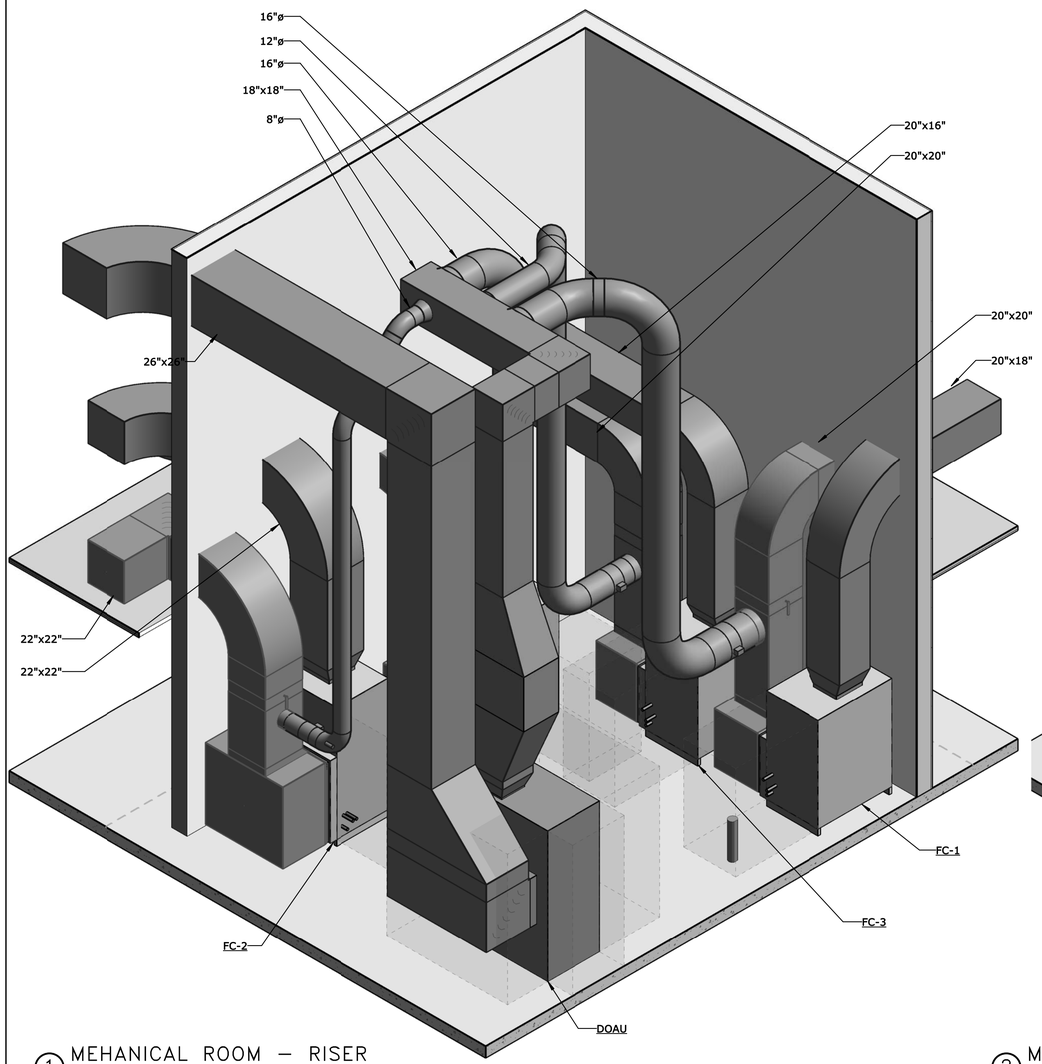
**MECHANICAL FLOOR PLAN - AREA C**

SHEET NO.

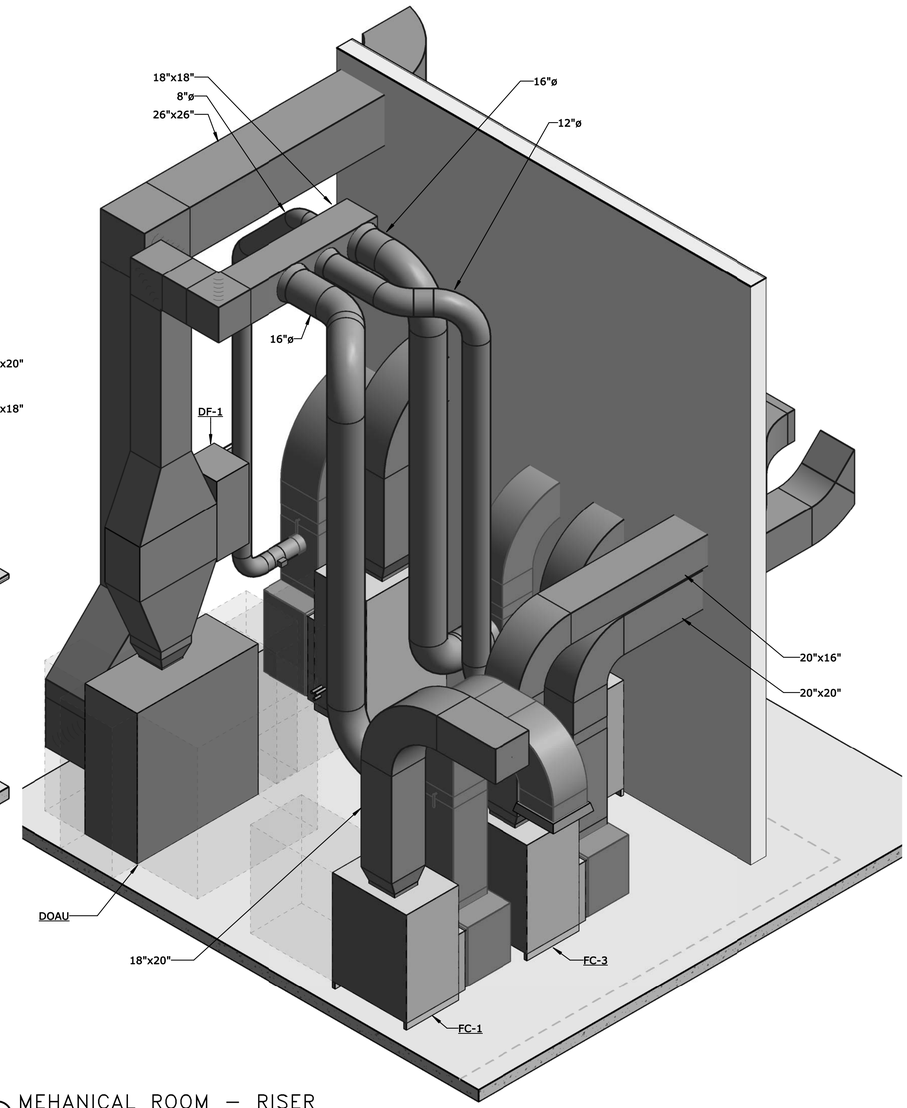
**MH-1-03**

## GENERAL NOTES

1. DRAWING IS DIAGRAMMATIC ONLY. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF DUCTWORK, PIPING, DEVICES AND EQUIPMENT WITH BUILDING ELEMENTS AND THE WORK OF OTHER TRADES.




1 MEHANICAL ROOM – RISER




2 MEHANICAL ROOM – RISER

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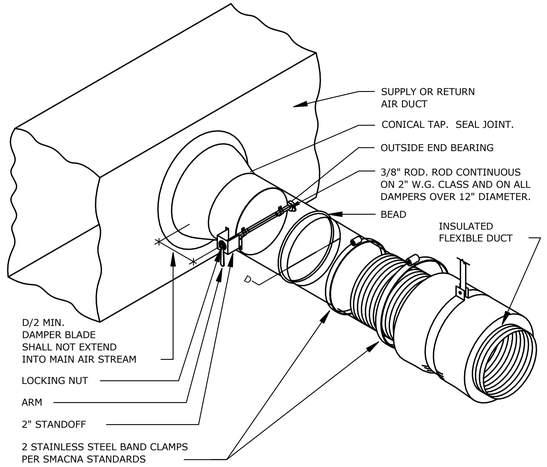
KEY MAP

DRAWING DESCRIPTION:

**MECHANICAL RISERS**

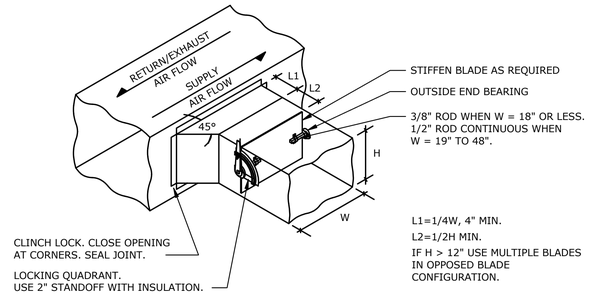
SHEET NO.

**MH-4-01**




NOTE: DUCT AND TAP INSULATION NOT SHOWN FOR CLARITY.

## 3 CONICAL TAP FITTING DETAIL
N.T.S.



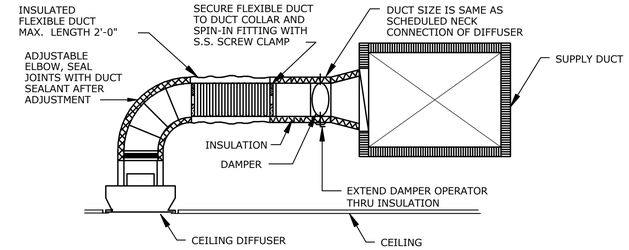

L1=1/4W, 4" MIN.

L2=1/2H MIN.

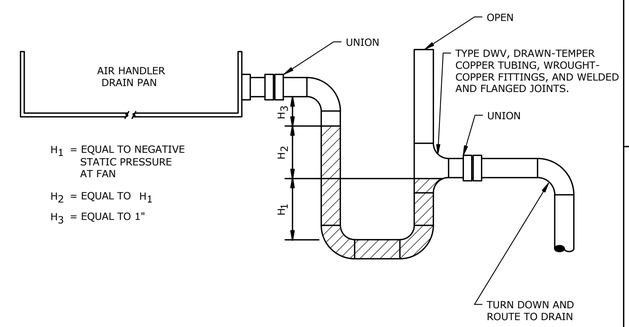
IF H > 12" USE MULTIPLE BLADES IN OPPOSED BLADE CONFIGURATION.

NOTE: INSULATION NOT SHOWN FOR CLARITY.

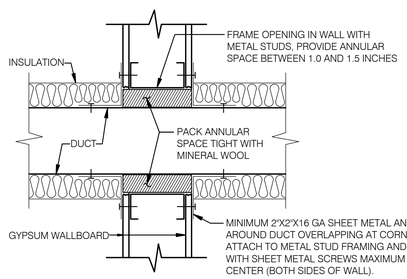
## 2 RECTANGULAR BRANCH CONNECTION DETAIL
N.T.S.



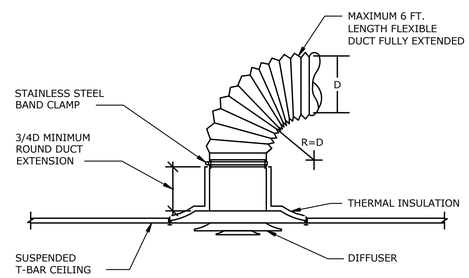

## 1 LOW PROFILE DIFFUSER CONNECTION DETAIL
N.T.S.



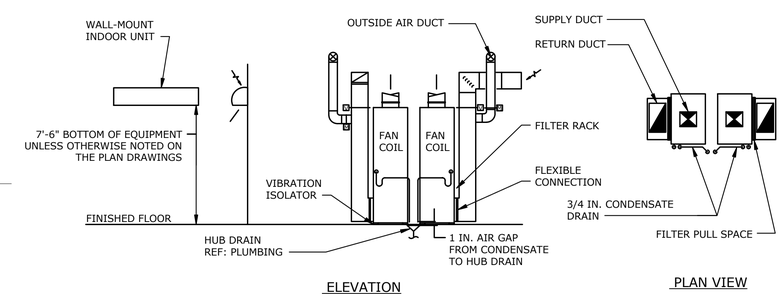

## 4 CONDENSATE TRAP DETAIL (DRAW THRU)
N.T.S.



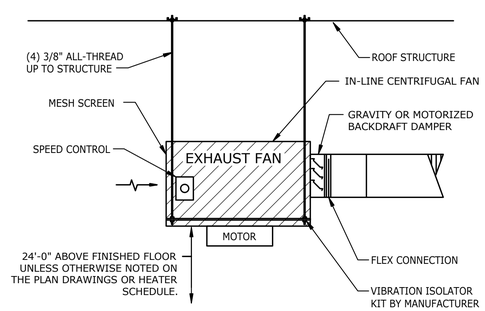

## 6 DUCT THROUGH WALL DETAIL
N.T.S.



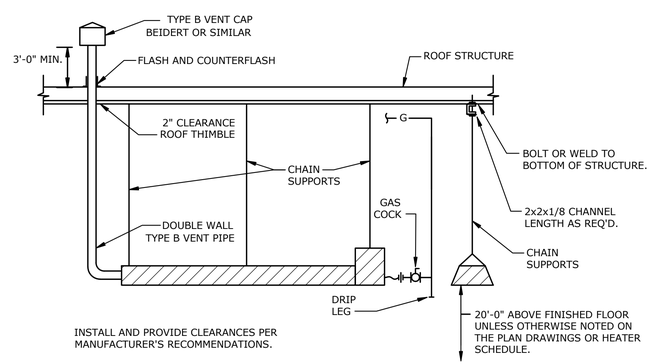

## 5 DIFFUSER CONNECTION DETAIL
N.T.S.




## 7 FAN COIL INSTALLATION DETAIL
N.T.S.

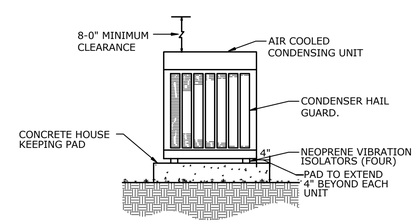



## 9 INLINE EXHAUST FAN DETAIL
N.T.S.




INSTALL AND PROVIDE CLEARANCES PER MANUFACTURER'S RECOMMENDATIONS.

## 8 INFRARED TUBE HEATER DETAIL
N.T.S.




NOTE:
CLEARANCE AROUND UNIT FOR AIR FLOW AND SERVICE PER MANUFACTURER INSTALLATION INSTRUCTION.

## 10 CONDENSING UNIT DETAIL
N.T.S.

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

STATE OF TEXAS
GERARDO SANCHEZ
132733
LICENSED
PROFESSIONAL ENGINEER
8-2-2021


ATKINS
11801 Domain Blvd., Suite 500 -
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TBPE FIRM F-3


AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

Permit Issue

ABIA Project No.:L13189.026 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | GS | | | | |
| CHECKED BY: | GS | | | | |
| COORD. CHECK: | GS | | | | |
| FILE NAME: | L13189.026-MH-5-01.dwg | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | AS INDICATED | No. | Date | Description | By |

KEY MAP

DRAWING DESCRIPTION:

**MECHANICAL DETAILS**

SHEET NO.

**MH-5-01**

# DX DEDICATED OUTDOOR AIR UNIT SCHEDULE

| MARK | LOCATION | SERVING | CONFIGURATION | REFRIGERANT | INDOOR UNIT TOTAL AIR CFM | INDOOR UNIT EXTERNAL S.P. IN. H2O | INDOOR UNIT VOLTS | INDOOR UNIT PHASE | INDOOR UNIT MCA | INDOOR UNIT MOCP | INDOOR UNIT WEIGHT | OUTDOOR UNIT VOLTS | OUTDOOR UNIT PHASE | OUTDOOR UNIT MCA | OUTDOOR UNIT MOCP | OUTDOOR UNIT WEIGHT | COOLING TOTAL MBH | COOLING SENSIBLE MBH | COOLING AMBIENT (°F) | COOLING EAT DB/WB (°F) | COOLING LAT DB/WB (°F) | GAS HEATING AMBIENT (°F) | GAS HEATING EAT (°F) | GAS HEATING LAT (°F) | GAS HEATING SENSIBLE MBH | FILTER TYPE | FILTER SIZE IN. | FILTER QTY | MANUFACTURER | MODEL (INDOOR/OUTDOOR) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DOAU-1 / DOAUCU-1 | MECHANICAL ROOM | FC-1,2,3,4 | VERTICAL | R-410A | 1810 | 0.5 | 460 | 3 | 30.4 | 40 | 1157 | 460 | 3 | 5.5 | 15 | 293 | 123.15 | 84.06 | 102 | 98/74 | 55/55 | 17.0 | 17.0 | 75.0 | 113.4 | MERV 10 | 2 | 2 | UNITED COOL AIR | OSAV13.5G3ADFTA-T / PBK133G1AFH0860 |

OUTDOOR UNIT NOTES:
1. PROVIDE FIELD INSTALLED HAIL GUARD ACCESSORY.
2.UNITS SHALL MEET OR EXCEED MINIMUM IEER AND SEER VALUES PER AHRI 210/240

INDOOR FAN COIL NOTES:
1. PROVIDE UNIT WITH FACTORY MOUNTED SUPPLY AIR VARIABLE FREQUENCY DRIVE.
2 PROVIDE UNIT WITH VARIABLE COMPRESSOR FOR CAPACITY MODULATION WITH COMPRESSOR ISOLATION VALVES; HOT GAS BYPASS WILL NOT BE ACCEPTED.
3. PROVIDE PHASE FAILURE DETECTION/MONITOR, HAIL GUARD, CRANKCASE HEATER, ANTI-SHORT CYCLE TIMER, LOW AMBIENT CONTROLS, HIGH AND LOW PRESSURE SWITCHES, AND THERMOSTATIC EXPANSION VALVE.
4. UNIT SHALL OPERATE ON STATIC PRESSURE.

# DX SPLIT-SYSTEM FAN COIL UNIT SCHEDULE

| MARK | LOCATION | SERVING | CONFIGURATION | EER @ AHRI | IEER @ AHRI | SEER @ AHRI | COP (47°F) @ AHRI | COP (17°F) @ AHRI | FAN COIL TOTAL AIR CFM | FAN COIL MIN. OA CFM | FAN COIL EXTERNAL S.P. IN. H2O | FAN COIL VOLTS | FAN COIL PHASE | FAN COIL MCA | FAN COIL MOCP | FAN COIL WEIGHT | OUTDOOR UNIT VOLTS | OUTDOOR UNIT PHASE | OUTDOOR UNIT MCA | OUTDOOR UNIT MOCP | OUTDOOR UNIT WEIGHT | COOLING TOTAL MBH | COOLING SENSIBLE MBH | COOLING AMBIENT (°F) | COOLING EAT DB/WB (°F) | COOLING LAT DB/WB (°F) | HEATING AMBIENT (°F) | HEATING EAT (°F) | HEATING LAT (°F) | HEATING SENSIBLE MBH | FILTER TYPE | FILTER SIZE IN. | FILTER QTY | MANUFACTURER | MODEL | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FC-1 / CU-1 | MECHANICAL ROOM | BREAK ROOM | VERTICAL | 13 | 22.7 | - | 4 | 2.6 | 2130 | 730 | 1.0 | 460 | 3 | 3.5 | 15 | 315 | 460 | 3 | 36.3 | 25 | 553 | 70.80 | 46.40 | 102 | 75/64.8 | 55/55 | 17.0 | 69.3 | 85.0 | 36.8 | MERV 10 | 2 | 2 | DAIKIN | BCVD0301/RXYQ96TYDN | 1,2,3,5,6,7,8,9,10 |
| FC-2 / CU-2 | MECHANICAL ROOM | CORRIDORS | VERTICAL | 11.5 | 21 | - | 3.7 | 2.2 | 3690 | 140 | 1.0 | 460 | 3 | 7.7 | 15 | 336 | 460 | 3 | 25.9 | 35 | 709 | 82.70 | 80.90 | 102 | 75/62.6 | 55/55 | 17.0 | 69.9 | 85.0 | 61.2 | MERV 10 | 2 | 2 | DAIKIN | BCVD0401/RXYQ144TYDN | 1,2,3,5,6,7,8,9,10 |
| FC-3 / CU-3 | MECHANICAL ROOM | OFFICE SPACES | VERTICAL | 13 | 22.7 | - | 4 | 2.6 | 1910 | 320 | 1.0 | 460 | 3 | 3.5 | 15 | 315 | 460 | 3 | 36.3 | 25 | 553 | 49.10 | 41.40 | 102 | 75/62.7 | 55/55 | 17.0 | 69.7 | 85.0 | 32.2 | MERV 10 | 2 | 2 | DAIKIN | BCVD0301/RXYQ96TYDN | 1,2,3,5,6,8,9,10 |
| FC-4 / CU-4 | MECHANICAL ROOM | BREAK ROOM | VERTICAL | 13 | 22.7 | - | 4 | 2.6 | 2410 | 620 | 1.0 | 460 | 3 | 3.5 | 15 | 315 | 460 | 3 | 36.3 | 25 | 553 | 76.90 | 52.80 | 102 | 75/64.2 | 55/55 | 17.0 | 69.5 | 85.0 | 41.0 | MERV 10 | 2 | 2 | DAIKIN | BCVD0301/RXYQ96TYDN | 1,2,3,5,6,7,8,9,10 |
| FC-5 / CU-5 | MECHANICAL ROOM | COMM. ROOM | WALL | - | - | 20 | - | - | 643 | - | 0.25 | POWERED FROM OUTDOOR UNIT | | | | 20 | 208 | 1 | 17.5 | 20 | 159 | 19.70 | 15.10 | 102 | 75/63 | 55/55 | - | - | - | - | WASHABLE | - | 1 | DAIKIN | FTXS24LVJU/RXS24LVJU | 1,2,4,5,6,9,10 |
| FC-6 / CU-6 | MECHANICAL ROOM | WOMEN'S RR | WALL | - | - | 24.5 | - | - | 380 | - | 0.25 | POWERED FROM OUTDOOR UNIT | | | | 20 | 208 | 1 | 8 | 15 | 75 | 8.20 | 7.10 | 102 | 75/63 | 55/55 | 17.0 | 70.0 | 85.0 | 7.7 | WASHABLE | - | 1 | DAIKIN | FTXS09LVJU/RXS09LVJU | 1,2,4,5,6,9,10 |
| FC-7 / CU-7 | MECHANICAL ROOM | MEN'S RR | WALL | - | - | 24.5 | - | - | 380 | - | 0.25 | POWERED FROM OUTDOOR UNIT | | | | 31 | 208 | 1 | 8 | 15 | 75 | 8.20 | 7.10 | 102 | 75/63 | 55/55 | 17.0 | 70.0 | 85.0 | 7.7 | WASHABLE | - | 1 | DAIKIN | FTXS09LVJU/RXS09LVJU | 1,2,4,5,6,9,10 |

OUTDOOR UNIT NOTES:
1. PROVIDE FIELD INSTALLED HAIL GUARD ACCESSORY.
2.UNITS SHALL MEET OR EXCEED MINIMUM IEER AND SEER VALUES PER AHRI 210/240
3. IEER SHALL BE NO LESS THAN 13.53.
4. SEER SHALL BE NO LESS THAN 14.3.
5. INVERTER COMPRESSOR WITH SPACE TEMP CONTROL.

INDOOR FAN COIL NOTES:
6. PROVIDE FIELD OR FACTORY MOUNTED CONDENSATE PUMPS ON ALL INDOOR UNITS UNLESS INSTRUCTED OTHERWISE ON DRAWING.
7. FAN COIL UNITS EXCEEDING 2000 CFM SHALL BE PROVIDED WITH SUPPLY DUCT SMOKE DETECTORS CONNECTED TO THE FIRE ALARM SYSTEM.
8. FULL DOUBLE WALL R-6 CABINET CONSTRUCTION.
9. VARIABLE SPEED ECM MOTORS.
10. ELECTRONIC EXPANSION VALVE WITH FACTORY CONTROLS AND 7-DAY PROGRAMMABLE T-STAT TO OPERATE ON TEMPERATURE SETPOINT.

# AIR DEVICE SCHEDULE

| MARK | CFM RANGE MIN. | CFM RANGE MAX. | FACE SIZE (INCHES) | NECK SIZE (INCHES) | MAX S.P. (INCHES) | MAX. NC LEVEL | MAKE / MODEL | NOTES |
|---|---|---|---|---|---|---|---|---|
| A | 35 | 100 | 24x24 | 6 | 0.10 | 25 | SQUARE CEILING DIFFUSER<br>TITUS MODEL TMSA<br>OR APPROVED ALTERNATE | 1, 2, 3, 4, 5, 6 |
| B | 101 | 210 | 24x24 | 8 | 0.10 | 25 | SQUARE CEILING DIFFUSER<br>TITUS MODEL TMSA<br>OR APPROVED ALTERNATE | 1, 2, 3, 4, 5, 6 |
| C | 211 | 380 | 24x24 | 10 | 0.10 | 25 | SQUARE CEILING DIFFUSER<br>TITUS MODEL TMSA<br>OR APPROVED ALTERNATE | 1, 2, 3, 4, 5, 6 |
| D | 381 | 600 | 24x24 | 12 | 0.10 | 25 | SQUARE CEILING DIFFUSER<br>TITUS MODEL TMSA<br>OR APPROVED ALTERNATE | 1, 2, 3, 4, 5, 6 |
| E | 0 | 280 | 12x12 | -- | 0.10 | 25 | SQUARE CEILING DIFFUSER<br>TITUS MODEL TMSA<br>OR APPROVED ALTERNATE | 1, 2, 3, 4, 5, 6 |
| F | 0 | 320 | 12x12 | 12x12 | 0.05 | 25 | LOUVERED FACE RETURN<br>TITUS MODEL 350FL<br>OR APPROVED ALTERNATE | 2, 3, 4 |
| G | 0 | 275 | 12x12 | -- | 0.05 | 25 | EGG CRATE CEILING EXHAUST GRILLE<br>TITUS MODEL 50R<br>OR APPROVED ALTERNATE | 1, 2, 3, 4, 5, 6 |
| H | 0 | 150 | 6x6 | -- | 0.05 | 25 | LOUVERED FACE TRANSFER GRILLE<br>TITUS MODEL 350FL<br>OR APPROVED ALTERNATE | 2, 3 |
| I | 0 | 280 | 12x6 | -- | 0.05 | 25 | LOUVERED FACE TRANSFER GRILLE<br>TITUS MODEL 350FL<br>OR APPROVED ALTERNATE | 1, 2, 3, 4 |
| J | 0 | 1500 | 24x24 | 22x22 | 0.05 | 25 | SQUARE PERFORATED CEILING DIFFUSER<br>TITUS MODEL PAR<br>OR APPROVED ALTERNATE | 2, 3 |
| K | 0 | 380 | 24x24 | 10 | 0.05 | 25 | EGG CRATE CEILING RETURN/EXHAUST GRILLE<br>TITUS MODEL 50R<br>OR APPROVED ALTERNATE | 1, 2, 3, 4, 5, 6 |
| R | 0 | 1200 | 24x24 | 22x22 | 0.05 | 25 | EGG CRATE CEILING RETURN/EXHAUST GRILLE<br>TITUS MODEL 50R<br>OR APPROVED ALTERNATE | 1, 2, 3, 4, 5, 6 |

NOTES:
1. FURNISH WITH FLUSH MOUNT FRAME OR T-BAR MOUNT FRAME AS REQUIRED TO MATCH CEILING CONDITION.
2. FURNISH WITH FACTORY APPLIED, OFF-WHITE ENAMEL FINISH.
3. FURNISH ALL SURFACE MOUNT SUPPLY AIR DEVICE WITH CONTINUOUS PERIMETER GASKET SEAL.
4. COORDINATE WITH ARCHITECT FOR COLOR AND REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
5. PROVIDE SQUARE TO ROUND DUCT TRANSITIONS AS REQUIRED.
6. AIR DEVICES ARE TO BE BALANCED ACCORDING CFMS INDICATED ON DRAWING.

# EXHAUST FAN SCHEDULE

| MARK | SERVES | DRIVE | CFM | S.P. IN. W.G. | FAN RPM | ELECTRICAL DATA MOTOR RPM | ELECTRICAL DATA HP (WATTS) | ELECTRICAL DATA VOLTS | ELECTRICAL DATA PHASE | ELECTRICAL DATA HERTZ | FAN TYPE | CONTROL | WEIGHTS LBS | MAKE / MODEL | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EF-1-1, 2, 3, 4, 5 & 6 | WAREHOUSE | DIRECT | 14,000 | 1.000 | 629 | 1725 | 7.5 | 460 | 3 | 60 | CENTRIFUGAL INLINE | SWITCH | 735 | GREENHECK / BHQ-360-75 | 1, 2, 3, 4 |
| EF-2 | WAREHOUSE RESTROOMS & JANITOR CLOSET | DIRECT | 330 | 0.500 | 1550 | 1725 | 1/10 | 115 | 1 | 60 | CENTRIFUGAL INLINE | SWITCH | 50 | GREENHECK / SQ-90-VG | 1, 2, 3, 4 |
| EF-3 | OFFICE RESTROOMS & JANITOR CLOSET | DIRECT | 620 | 0.500 | 1679 | 1725 | 1/4 | 115 | 1 | 60 | CENTRIFUGAL INLINE | SWITCH | 51 | GREENHECK / SQ-100-VG | 1, 2, 3, 4 |
| EF-4 | DRIVER'S LOUNGE RESTROOM | DIRECT | 70 | 0.500 | 838 | - | (14.3) | 115 | 1 | 60 | CEILING CABINET | LIGHT SWITCH | 12 | GREENHECK / SP-A50-90-VG | 1, 2, 3, 4 |

NOTES:
1. FURNISH UNIT WITH INTERNAL FACTORY MOUNTED & PRE-WIRED DISCONNECT SWITCH.
2. FURNISH WITH GRAVITY DAMPER.
3. FURNISH WITH BIRD SCREEN.
4. FURNISH WITH PRE-WIRED FAN SPEED CONTROLLER

# VENTILATION FAN SCHEDULE

| MARK | SERVES | DRIVE | VELOCITY (FT/MIN) | SIZE (FT) | FAN RPM | ELECTRICAL VOLTS | ELECTRICAL PHASE | ELECTRICAL HERTZ | FAN TYPE | CONTROL | WEIGHTS LBS | MAKE / MODEL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VF-1, 2, 3, 4, 5 & 6 | WAREHOUSE | DIRECT | 131 | 24 | 64 | 277 | 1 | 60 | CEILING | SWITCH | 295 | BIG ASS FANS POWERFOIL D |

NOTES:
1. FURNISH WITH MANUFACTURER PROVIDED CONTROLLER.

# HEATER SCHEDULE

| MARK | LOCATION | CFM HIGH / LOW | FUEL TYPE | HEATING CAPACITY INPUT MBH | HEATING CAPACITY OUTPUT MBH | KW | HP | VOLT/ PHASE | WEIGHT | MAKE/MODEL | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RH-1 THRU 25 | WAREHOUSE | 3290 / 1975 | GAS | 200 | 160 | - | 1/2 | 120/1 | 235 | REZNOR B-SERIES<br>OR APPROVED ALTERNATE | 1, 2, 3, 4 |
| DF-1 | DOAU-1 | 1810 / 1111 | GAS | 150 | 120 | 4 AMPS | - | 120/1 | 235 | HEATCO HDA150-F-CKF<br>OR APPROVED ALTERNATE | 1, 2, 3, 4 |
| EH-1 | FIRE RISER | 160 | ELECTRIC | 6825 | - | 2 | - | 208/1 | 24 | REZNOR EHC<br>OR APPROVED ALTERNATE | 1, 3, 4 |

NOTES:
1. PROVIDE WITH FACTORY INSTALLED DISCONNECT SWITCH.
2. ROOF VENT CAPS SHALL TERMINATE 36"ABOVE ROOF.
3 PROVIDE WITH FACTORY INSTALLED DISCONNECT SWITCH.
4 PROVIDE WITH MANUFACTURER PROVIDED THERMOSTAT AND SHALL OPERATE WHEN TEMPERATURES FALL BELOW 40°F.

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

STATE OF TEXAS
GERARDO SANCHEZ
132733
LICENSED
PROFESSIONAL ENGINEER
8-2-2021

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No.:L13189.026 | Permit Issue No.:00000 | AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | GS | | | | |
| CHECKED BY: | GS | | | | |
| COORD. CHECK: | GS | | | | |
| FILE NAME: | L13189.026-MH-6-01.dwg | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | AS INDICATED | No. | Date | Description | By |

KEY MAP

DRAWING DESCRIPTION:

MECHANICAL SCHEDULES

SHEET NO.

MH-6-01

# OUTSIDE AIR CALCULATIONS

| EQUIPMENT SERVES | ZONE FLOOR AREA (S.F.) | DEFAULT ZONE OCCUPANCY | PEOPLE OUTDOOR AIR RATE (CFM/PERSON) | AREA OUTDOOR AIR RATE (Ra) (CFM/S.F.) | PEOPLE BASED OUTDOOR AIRFLOW (CFM) | AREA BASED OUTDOOR AIRFLOW (CFM) | NUMBER OF TOILETS | CFM/TOILET | REQUIRED ZONE OUTDOOR AIRFLOW | EXHAUST REQUIREMENT |
|---|---|---|---|---|---|---|---|---|---|---|
| **FC-1** | | | | | | | | | | |
| BREAK ROOM 124 | 1,690 | 122 | 5 | 0.06 | 610 | 101 | | | 711 | |
| JANITOR 123 | 60 | | | 1 | | | | | 0 | 60 |
| STORAGE 122 | 125 | 1 | 5 | 0.12 | 5 | 15 | | | 20 | |
| TOTAL | | | | | | | | | 731 | 60 |
| **FC-2** | | | | | | | | | | |
| SOUTH ENTRY 101 | 435 | 0 | 0 | 0.06 | 0 | 26 | | | 26 | |
| CORRIDOR 105 | 400 | 0 | 0 | 0.06 | 0 | 24 | | | 24 | |
| EAST ENTRY 118 | 420 | 0 | 0 | 0.06 | 0 | 25 | | | 25 | |
| HALLWAY 119 | 585 | 0 | 0 | 0.06 | 0 | 35 | | | 35 | |
| WOMEN 120 | 221 | | | | | | 4 | 70 | 0 | 280 |
| MEN 121 | 217 | | | | | | 4 | 70 | 0 | 280 |
| TOTAL | | | | | | | | | 110 | 560 |
| **FC-3** | | | | | | | | | | |
| DRIVER LOUNGE 103 | 260 | 15 | 5 | 0.06 | 75 | 16 | | | 91 | |
| REST ROOM 104 | 60 | | | | | | 1 | 70 | 0 | 70 |
| OPEN OFFICE 106 | 700 | 5 | 5 | 0.06 | 25 | 42 | | | 67 | |
| OFFICE 107 | 105 | 1 | 5 | 0.06 | 4 | 6 | | | 10 | |
| OFFICE 108 | 105 | 1 | 5 | 0.06 | 4 | 6 | | | 10 | |
| OFFICE 109 | 105 | 1 | 5 | 0.06 | 4 | 6 | | | 10 | |
| OFFICE 110 | 105 | 1 | 5 | 0.06 | 4 | 6 | | | 10 | |
| OFFICE 111 | 110 | 1 | 5 | 0.06 | 4 | 7 | | | 11 | |
| OFFICE 112 | 110 | 1 | 5 | 0.06 | 4 | 7 | | | 11 | |
| OFFICE 113 | 110 | 1 | 5 | 0.06 | 4 | 7 | | | 11 | |
| OFFICE 114 | 100 | 1 | 5 | 0.06 | 4 | 6 | | | 10 | |
| OFFICE 116 | 110 | 1 | 5 | 0.06 | 4 | 7 | | | 11 | |
| TRAINING 117 | 290 | 10 | 5 | 0.06 | 50 | 17 | | | 67 | |
| TOTAL | | | | | | | | | 316 | 70 |
| **FC-4** | | | | | | | | | | |
| BREAK ROOM 123 | 1,430 | 106 | 5 | 0.06 | 530 | 86 | | | 616 | |
| **FC-5** | | | | | | | | | | |
| COMM 126 | 120 | 0 | 0 | 0 | 0 | 0 | | | 0 | |
| **FC-6** | | | | | | | | | | |
| WOMEN RR 122 | 155 | | | | | | 1 | 70 | 0 | 70 |
| **FC-7** | | | | | | | | | | |
| MEN RR 123 | 100 | | | | | | 1 | 70 | 0 | 70 |
| **TRANSFER SPACE** | 64,280 | | | 1 | | | | | | 64280 |
| **LEASE SPACE** | 13,950 | | | 1 | | | | | | 13950 |

NOTE: CALCULATION ARE BASED ON AHRAE 62.1-2016.

# LOUVER SCHEDULE

| PLAN CODE | SERVICE | SIZE (INCHES) W | SIZE (INCHES) H | MIN. FREE AREA | BLADE ANGLE | DRAINABLE BLADES (YES/NO) | MOUNTING TYPE | MATERIAL | MANUFACTURER & MODEL NO. | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|
| L-1 | WAREHOUSE EXHAUST | 72 | 36 | 9.45 | 45 | YES | FLANGE | ALUMINUM | GREENHECK EDJ OR APPROVED EQUAL | 1, 2 |
| L-2 | WAREHOUSE MAKEUP | 72 | 36 | 9.45 | 45 | YES | FLANGE | ALUMINUM | GREENHECK EDJ OR APPROVED EQUAL | 1, 2, 3 |
| L-3 | WAREHOUSE RR EXHAUST | 36 | 36 | 0.4 | 45 | YES | FLANGE | ALUMINUM | GREENHECK EDJ OR APPROVED EQUAL | 1, 2 |
| L-4 | DRIVER'S LOUNGE EXHAUST | 36 | 36 | 0.08 | 45 | YES | FLANGE | ALUMINUM | GREENHECK EDJ OR APPROVED EQUAL | 1, 2 |
| L-5 | FC OUTSIDE AIR | 36 | 36 | 3.6 | 45 | YES | FLANGE | ALUMINUM | GREENHECK EDJ OR APPROVED EQUAL | 1, 2 |
| L-6 | OFFICE RESTROOM EXHAUST | 36 | 36 | 0.6 | 45 | YES | FLANGE | ALUMINUM | GREENHECK EDJ OR APPROVED EQUAL | 1, 2 |
| L-7 | ELECTRICAL ROOM VENTILATION | 36 | 36 | - | 45 | YES | FLANGE | ALUMINUM | GREENHECK EDJ OR APPROVED EQUAL | 1, 2 |
| L-8 | COMBUSTION AIR | 36 | 36 | - | 45 | YES | FLANGE | ALUMINUM | GREENHECK EDJ OR APPROVED EQUAL | 1, 2 |

NOTES:
1. PROVIDE WITH BIRDSCREEN.
2. CONFIRM FINAL COLOR WITH ARCHITECT PRIOR TO ORDERING.
3. PROVIDE WITH INTEGRAL BACKDRAFT DAMPER.

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

STATE OF TEXAS
GERARDO SANCHEZ
132733
LICENSED
PROFESSIONAL ENGINEER
8-2-2021

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TBPE FIRM F-3

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No.:L13189.026 | Permit Issue No.:00000 | AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| CHECKED BY: | GS | | | | |
| COORD. CHECK: | GS | | | | |
| FILE NAME: | L13189.026-MH-6-02.dwg | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | AS INDICATED | No. | Date | Description | By |

KEY MAP

DRAWING DESCRIPTION:

**MECHANICAL SCHEDULES**

SHEET NO.

**MH-6-02**

**ELECTRICAL ABBREVIATIONS**

AMPERE_____A(AMP)
ABOVE_ABV
ABOVE FINISHED FLOOR___AFF
ABOVE FINISHED GRADE___AFG
AIR CONDITIONING_____A/C
ALUMINUM_____AL
APPROXIMATE(LY)_____APPROX.
ARCHITECT(URAL)_____ARCH('L).
AUTHORITY HAVING
JURISDICTION_____AHJ

BELOW_____BLW
BREAKER_____BKR
BUILDING_____BLDG.

CARD READER_CR
CEILING_____CLG
CIRCUIT_____CKT
CONCRETE MASONRY UNIT_CMU
CONDENSATE DRAIN____COND.
COPPER_____CU
CONDUIT_____C.
COUNTER_____CTR
CURRENT TRANSFORMER___CT

DEMOLISH(ITION)_____DEMO.
DEPARTMENT_____DEPT.
DETAIL_DET.
DISCONNECT_____DISC.
DIVISION_____DIV.
DRAWING(S)_____DWG(S)

EACH_____EA.
ELECTRICAL CONTRACTOR_EC
ELECTRIC(AL)_____ELEC.
ELECTRIC WATER COOLER_EWC
ELEVATOR_____ELEV.
EMERGENCY_____EM,EMER
ENGINEER_____ENGR.
EQUIPMENT_____EQPT.
ETCETERA_____ETC.
EXHAUST FAN_____EF
EXISTING_____EXIST.,(E)
EXISTING RELOCATED_____(ER)
EXISTING TO REMAIN_____(ETR)

FIRE ALARM_____F/A
FIRE ALARM CONTROL PANELFACP
FIRE ALARM ANNUNCIATOR_FAAP
PANEL
FIRE / SMOKE DAMPER____F/S
FOOT/FEET_____FT.

GALVANIZED_____GALV.
GENERAL CONTRACTOR_____GC
GROUND_____GND,G
GROUNDING ELEC. CONDCTOR___GEC
GROUND FAULT CIRCUIT
INTERRUPTER_____GFCI/GF

HEATING, VENTILATION & AIR_____HVAC
CONDITIONING

INFORMATION_____INFO
INTERIOR_____INT.
ISOLATED GROUND_____IG

JUNCTION BOX_____JB,(J-BOX)

KILOAMPERE INTERRUPTING____kAIC
CAPACITY
KILOVOLT-AMPS_____kVA

LIGHTING CONTACTOR_____LC
LIGHTING CONTROL PANEL____LCP

MAIN CIRCUIT BREAKER_____MCB
MAIN LUG ONLY_____MLO
MANUFACTURE(R)_____MFR.
MAXIMUM_____MAX
MAXIMUM OVERCURRENT_____MOCP
PROTECTION
MECHANICAL_____MECH.
MINIMUM_____MIN.
MINIMUM CURRENT AMPACITY_____MCA
MISCELLANEOUS_____MISC.
MOUNTING HEIGHT TO CENTER___+(#)"
LINE OF DEVICE AFF OR AFG

NATIONAL ELECTRICAL CODE____NEC
NEMA 1, NEMA 3R, NEMA _____N1,N3R,N_
RATING (AS NOTED)
NIGHT LIGHT_____NL
NOMINAL_____NOM.
NOT APPLICABLE_____N/A
NOT IN CONTRACT_____N.I.C.
NOT TO SCALE_____N.T.S.
NUMBER_____NO.,#

PANEL_____PNL
PARTIAL_____PART.
PHASE_____PH.,Ø
PHOTOCELL_____PC
POLE_____P
POLYVINYL CHLORIDE_____PVC
POWER POLE_____PP

QUANTITY_____QTY

RECEPTACLE_RECEPT.
REFER TO / REFERENCE_____REF.
REQUIRE(D)_____REQ.('D)
RIGID GALVANIZED STEEL_____RGS
ROOM_____RM

SERVICE DISTRIBUTION_____SDE
ENCLOSURE
SPECIFICATION(S)_____SPEC.(S)
SQUARE_____SQ.
SQUARE FEET_____SF
STRUCTURED MEDIA CENTER____SMC
SURGE PROTECTIVE DEVICE_____SPD
SWITCH_____SW.

TELEPHONE / DATA COMBO_____TELEDATA
TELEPHONE_____TEL.
TELEPHONE MOUNTING BOARD___TMB
TELEVISION_____TV
TEXAS_____TX
THROUGH_____THRU
TIMECLOCK_____TC
TRANSFORMER_____XFMR
TYPICAL_____TYP

UNDERGROUND_____UG
UNDERWRITER LABORATORIES___UL
INC.
UNINTERRUPTIBLE POWER____UPS
SUPPLY
UNLESS NOTED OTHERWISE_____UNO
UTILITY_UTIL.

VOLT-AMPS_____VA
VOLTAGE / VOLTS_____V

WEATHER PROOF_____WP
WEATHER RESISTANT_____WR
WITH_____W/
WITHOUT_____W/O

NOTE: NOT ALL ABBREVIATIONS ON THIS LIST ARE APPLICABLE TO THIS PROJECT

| APPLICABLE CODES |
|---|
| 2015 IBC |
| 2020 NEC |
| 2015 IECC |
| 2012 TAS |
| 2015 IFC |
| LOCAL CODES AND ORDINANCES |

| VOLTAGE DROP TABLE (20A CIRCUITS ONLY) | | |
|---|---|---|
| | 208V, 1Ø | 120V, 1Ø |
| #12 AWG | 0 - 90 FT. | 0 - 50 FT. |
| #10 AWG | 91 - 150 FT. | 51 - 90 FT. |
| #8 AWG | 151 - 250 FT. | 91 - 140 FT. |
| #6 AWG | 251 - 390 FT. | 141 - 225 FT. |
| #4 AWG | 391 - 630 FT. | 226 - 300 FT. |
| (VERIFY MINIMUM VOLTAGE DROP AND CONDUIT SIZE, PER N.E.C.) | | |

# ELECTRICAL LEGEND

NOTES: MOUNTING HEIGHTS LISTED BELOW INDICATE HEIGHT TO CENTER OF DEVICE. ALL SYMBOLS SHOWN ON LEGEND ARE NOT NECESSARILY USED.

| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
|---|---|---|---|
| A | 1X4 LINEAR FIXTURE W/ DESIGNATION | | PANELBOARD OR LOAD CENTER - SURFACE MOUNT, RECESSED MOUNT |
| A | 2X2 LINEAR FIXTURE W/ DESIGNATION | | TRANSFORMER |
| A | 2X4 LINEAR FIXTURE W/ DESIGNATION | | DISCONNECT SWITCHES - NON-FUSED, FUSED. FUSE SIZES NOTED ON DRAWINGS WITH "AF". |
| | EMERGENCY LIGHT FIXTURE (HALF-SHADED FOR ANYFIXTURE) | | MAGNETIC MOTOR STARTER, COMBINATION STARTER AND DISCONNECT |
| A | LINEAR 6" OR SLOT FIXTURE W/ DESIGNATION | $M | MOTOR-RATED DISCONNECT SWITCH |
| A | LINEAR STRIP FIXTURE W/ DESIGNATION | | VARIABLE FREQUENCY DRIVE (VFD), COMBINATION VFD AND DISCONNECT |
| A | RECESSED DOWNLIGHT FIXTURE W/ DESIGNATION | | MOTOR |
| A | SURFACE DOWNLIGHT FIXTURE W/ DESIGNATION | | PUSHBUTTON - SINGLE, MUSHROOM HEAD |
| A | PENDANT FIXTURE W/ DESIGNATION | | METER - PLAN VIEW, ONE-LINE DIAGRAM |
| A | WALL WASH FIXTURE W/ DESIGNATION, DIRECTION INDICATED BY TRIANGLE | | METER BANK |
| A | WALL MOUNT LINEAR FLUORESCENT FIXTURE W/ DESIGNATION | | UNISTRUT RACK |
| A | WALL MOUNT FIXTURE W/ DESIGNATION | | LIGHTING CONTROLS |
| | SPOTLIGHT | O V | OCCUPANCY SENSOR, VACANCY SENSOR - CEILING MOUNTED |
| | CEILING W/ FACE INDICATED; WALL W/ FACE, EMERGENCY HEADS, AND DIRECTIONAL ARROWS (INSTALL FACES AND ARROWS AS INDICATED) | O V | OCCUPANCY SENSOR, VACANCY SENSOR - MOUNTEDHIGH ON WALL |
| | EMERGENCY BATTERY FIXTURE | PC | PHOTOELECTRIC CELL |
| | CEILING FAN | LC | LIGHTING CONTACTOR |
| | POLE LIGHT (ARM MOUNT, POST-TOP MOUNT) | TC | TIMECLOCK |
| | BOLLARD FIXTURE | LCP | LIGHTING CONTROL PANEL |
| | SINGLE 20A RECEPTACLE AT 18" UNLESS NOTED | DZ | DAYLIGHT ZONE SENSOR |
| | 20A DUPLEX RECEPTACLE AT 18" UNLESS NOTED | $ | LIGHT SWITCH AT 48" UNLESS NOTED |
| | 20A GFI DUPLEX RECEPTACLE AT 18" UNLESS NOTED | D | DIMMER SWITCH AT 48" UNLESS NOTED |
| | DOUBLE 20A DUPLEX RECEPTACLE AT 18" UNLESS NOTED | S D | LOW-VOLTAGE SMART LIGHT SWITCH, SMART DIMMER LIGHT SWITCH AT 48" UNLESS NOTED |
| | 20A DUPLEX RECEPTACLE 6" ABOVE COUNTER UNLESS NOTED | | SUBSCRIPTS |
| | 20A DUPLEX RECEPTACLE SPECIAL MOUNT (FLOOR,CLG) | 3 | 3-WAY SWITCH |
| IG | 20A ISOLATED GROUND RECEPTACLE | 4 | 4-WAY SWITCH |
| WP | 20A RECEPTACLE WITH WEATHERPROOF "EXTRA DUTY" COVER AND WEATHER-RESISTANT GFCIRECEPTACLE | F | SINGLE POLE CEILING FAN & LIGHT SWITCH WITH 3-SPEED FAN CONTROL TO ALLOW CONTROL OF FAN INDEPENDENT OF LIGHT KIT |
| USB | COMBINATION DUAL USB WITH DUPLEX RECEPTACLE | K | KEY-OPERATED SWITCH |
| 30 | SPECIAL RECEPTACLE (RATING NOTED) | O | OCCUPANCY SENSOR SWITCH |
| | COMBINATION TELEPHONE/DATA (TELE-DATA) OUTLET (18" ON WALL, 6" ABOVE COUNTER) | P | SWITCH WITH PILOT LIGHT |
| | COMBINATION TELEPHONE/DATA (TELE-DATA)OUTLET SPECIAL MOUNT (FLOOR, CLG) | R | RED EMERGENCY BRANCH SWITCH |
| | TELEPHONE OUTLET, DATA OUTLET | T | TIMER SWITCH |
| | TELEVISION CABLE CONNECTION AT 58" A.F.F. UNLESSOTHERWISE NOTED. | V | VACANCY SENSOR SWITCH (AUTO OFF, MANUAL ON) |
| CR FOB | LOW-VOLTAGE OR DATA OUTLET INTENDED FOR SPECIFIC PURPOSE (CARD READER, FOB SECURITY DEVICE SHOWN) | a | LOWER CASE LETTER AT FIXTURES AND SWITCHES (a, b, ETC.) INDICATES SWITCHING CONTROL. |
| J J | J-BOX (CEILING/WALL, FLOOR) | LZ 123 | LIGHTING CONTROL ZONE WITH ZONE #. SEE LIGHTING CONTROL SCHEDULE FOR ZONE CONTROL REQUIREMENTS. |
| | SECURITY CAMERA | | FIRE ALARM SYSTEM |
| S S | SPEAKER - CEILING MOUNTED, WALL MOUNTED | FACP | FIRE ALARM CONTROL PANEL |
| W | WIFI OUTLET - CEILING MOUNTED | FAAP | FIRE ALARM ANNUNCIATOR PANEL |
| | CONDUIT RUN EXPOSED OR CONCEALED | F | MANUAL PULL STATION DOUBLE ACTION |
| | CONDUIT RUN BELOW FLOOR OR GRADE | | GENERAL ALARM COMBINATION HORN/STROBE (AUDIO/VISUAL) (WALL, CLG) |
| | ITEM TO BE REMOVED | | FIRE ALARM STROBE (VISUAL DEVICE) (WALL, CLG) |
| | SWITCHLEG | | SMOKE/IONIZATION DETECTOR |
| | CIRCUIT HOMERUN, #12, THWN/THHN & QTY AS REQ'D, W/ GND, 3/4"C., UNLESS NOTED | | HEAT DETECTOR |
| | CIRCUIT HOMERUN CONTAINING 3 HOTS, NEUTRAL, GROUND, AND ISOLATED GROUND | | DUCT DETECTOR |
| | CONDUIT STUB-UP - CAP & MARK | C | COMBINATION SMOKE / CARBON MONOXIDE DETECTOR |
| | CONDUIT OR CIRCUIT BREAK/CONTINUATION (DIAGRAMMATIC ONLY) | B | BEAM DETECTOR |
| | GROUND | FS | SPRINKLER SYSTEM FLOW SWITCH |
| | MAKE DIRECT EQUIPMENT CONNECTION | TS | SPRINKLER SYSTEM TAMPER SWITCH |
| | | | ELECTRIC DOOR HOLDER |

**ELECTRICAL GENERAL NOTES**

1. THESE DRAWING NOTES ACCOMPANY THE PUBLISHED CONSTRUCTION DOCUMENT SPECIFICATION BOOK (PROJECT MANUAL).

2. EXISTENCE AND LOCATION OF DEVICES, FIXTURES, EQUIPMENT, CIRCUITING, ETC. THAT ARE SHOWN TO BE EXISTING WAS TAKEN FROM EXISTING DRAWINGS AND/OR VISUAL INSPECTION AND SHOULD BE VERIFIED IN FIELD PRIOR TO ANY PRICING OR WORK.

3. COORDINATE LOCATION AND MOUNTING HEIGHT OF ALL LIGHTING FIXTURES WITH ARCHITECTURAL DRAWINGS, REFLECTED CEILING PLANS, AND ELEVATIONS.

4. ELECTRICAL CONTRACTOR SHALL VISIT SITE AND SHALL BECOME FAMILIAR WITH SITE CONDITIONS AND VERIFY DIMENSIONS AND WORK TO BE INSTALLED PRIOR TO SUBMITTING A BID: BY SUBMITTING A BID, CONTRACTOR CERTIFIES FAMILIARITY WITH EXISTING JOBSITE CONDITIONS PRIOR TO COMMENCEMENT OF WORK; FAILURE TO DO SO WILL NOT BE CAUSE FOR EXTRA WORK COMPENSATION.

5. ALL MATERIAL SHALL BE NEW AND SHALL BE LISTED OR LABELED BY U.L. OR OTHER RECOGNIZED TESTING FACILITY.

6. FURNISH ALL MATERIAL, LABOR, EQUIPMENT AND PERMITS TO PROVIDE A COMPLETE, OPERATIONAL ELECTRICAL SYSTEM CONSISTENT WITH THE INTENT OF THE DRAWINGS. WHERE THE WORD "PROVIDE" IS USED, IT SHALL MEAN, "FURNISH AND INSTALL COMPLETE AND READY FOR USE".

7. INSTALLATIONS FOUND NOT COMPLYING WITH SPECIFIED WORKMANSHIP PRACTICES SHALL BE REVISED TO COMPLY AT NO ADDITIONAL COST TO THE OWNER.

8. ELECTRICAL CONTRACTOR SHALL PERFORM WORK IN A SAFE MANNER AND MAINTAIN ADEQUATE PROTECTION OF WORK, THE OWNER'S PROPERTY AND ALL PERSONS ON SITE FROM INJURY, DAMAGE OR LOSS.

9. FIELD-COORDINATE LOCATION OF PANELS, CONDUITS AND DEVICES WITH STRUCTURAL MEMBERS AND EQUIPMENT FROM OTHER TRADES. CAREFULLY COORDINATE INSTALLATION SCHEDULES WITH OTHER TRADES AND GENERAL CONTRACTOR. VERIFY EXACT LOCATION OF EQUIPMENT TO BE FURNISHED BY OTHERS PRIOR TO ROUGH-IN. COORDINATE LOCATION AND INSTALLATION OF OWNER-FURNISHED ITEMS AFFECTING THIS TRADE.

10. ALL WIRING SHALL BE IN CONDUIT. ALL WIRING SHALL BE #12 AWG MINIMUM COPPER CONDUCTORS AND #10 AWG FOR BRANCH CIRCUIT HOMERUNS. ALUMINUM CONDUCTORS WILL NOT BE ALLOWED.

11. FEEDER CONDUCTORS, BRANCH WIRING, PANEL BUSS AND GROUND BUSS SHALL BE COPPER, UNLESS NOTED OTHERWISE.

12. WIRING DEVICES THAT OCCUR TOGETHER SHALL BE GANGED UNDER A COMMON WALL PLATE, UNLESS NOTED OTHERWISE.

13. ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE GENERAL ELECTRIC, SCHNEIDER, EATON OR SIEMENS.

14. ELECTRICAL CONTRACTOR SHALL ASSIGN CIRCUITS IN FIELD ON ALL PANELBOARDS TO MAKE LOADS ON EACH PHASE AS BALANCED AS POSSIBLE.

15. ELECTRICAL CONTRACTOR SHALL ASSEMBLE AND PROVIDE TO THE OWNER AS PART OF CLOSE-OUT SUBMISSION REQUIREMENTS, ORGANIZED BINDER WITH TECHNICAL DATA, CUT SHEETS, MAINTENANCE REQUIREMENTS, ADJUSTMENT PROCEDURES, TEST REPORTS, APPROVALS, WARRANTIES, PHONE NUMBERS OF SERVICE PERSONNEL, SOURCES OF REPLACEMENT PARTS AND OTHER PERTINENT INFORMATION.

16. BEFORE BEGINNING EXCAVATIONS OR DEMOLITION OF ANY NATURE WHATSOEVER, CONTRACTOR SHALL LOCATE ALL SERVICES AND UTILITIES OCCURRING WITHIN THE BOUNDS OF THE PROJECT. THE CONTRACTOR SHALL THEN PROCEED WITH CAUTION IN HIS WORK SO THAT NO UTILITY OR LINE SERVING AREAS THAT ARE TO REMAIN BE DAMAGED WITH A RESULTANT LOSS OF SERVICE. VERIFY THE SOURCE AND SERVICE OF EACH AND EVERY LINE ENCOUNTERED AND RECORD SERVICE, SIZE AND LOCATION ON RECORD DRAWINGS.

17. COORDINATE EACH AND EVERY INTERRUPTION OF SERVICES AND UTILITIES WITH THE OWNER AND UTILITY COMPANIES TO ENSURE MINIMUM SHUT-DOWN TIMES ARE ACCEPTABLE.

18. FOR EACH EQUIPMENT CONNECTION SHOWN, PROVIDE THE DEVICE, OUTLET, DISCONNECT SWITCH, OR JUNCTION BOX REQUIRED TO CONNECT THE EQUIPMENT.

19. NO SINGLE CONDUIT SHALL CONTAIN MORE THAN 6 CURRENT CARRYING CONDUCTORS, UNLESS NOTED OTHERWISE AND PROPERLY DERATED.

20. WHERE FIXTURES CONTAINING BATTERY PACKS ARE SWITCHED (BY TOGGLE SWITCH, OCCUPANCY SENSOR, TIMECLOCK/LIGHTING CONTROL PANEL, ETC.), SUPPLY TO BATTERY PACKS SHALL BE UNSWITCHED. EXIT LIGHTS SHOWN ON A SWITCHED CIRCUIT SHALL BE POWERED BY AN UNSWITCHED LINE ON THAT CIRCUIT.

21. LIGHT SWITCHES SHOWN IN ROOM CONTROL ALL LIGHTS IN THAT ROOM UNLESS NOTED OTHERWISE. WALL SWITCHES SHOWN IN ROOMS WITH CEILING OCCUPANCY SENSOR SWITCHES SHALL OVERRIDE OCCUPANCY SENSOR CONTROL.

22. DOCUMENTS CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET DOCUMENTED PERFORMANCE CRITERIA OF IECC SECTION C405 SHALL BE PROVIDED TO THE BUILDING OWNER WITHIN 90 DAYS FROM THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY PER IECC C408.3.2.

23. REVIEW ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL, PLUMBING, AND OTHER DRAWINGS PRIOR TO BID.

24. INSTALL ALL MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ANY DEVIATIONS SHALL BE BROUGHT TO THE ARCHITECT/ENGINEER'S ATTENTION PRIOR TO INSTALLATION.

25. PROTECT ALL SIMPLEX RECEPTACLES SHOWN TO BE GFCI-PROTECTED WITH GFCI-TYPE CIRCUIT BREAKERS.

26. PROTECT ALL RECEPTACLES SHOWN AS GFCI-PROTECTED IN LOCATIONS THAT ARE NOT "READILY ACCESSIBLE" (PER THE NEC) WITH GFCI-TYPE CIRCUIT BREAKERS IN LIEU OF GFCI-TYPE RECEPTACLE.

27. VERIFY EXACT LOCATIONS OF EXISTING AND NEW UNDERGROUND UTILITIES, PIPING, AND RACEWAY SYSTEMS PRIOR TO TRENCHING. PROVIDE NECESSARY TRENCHING, BACKFILL, EXCAVATION, SUPPORTS, SERVICE FEEDERS (CONDUIT AND/OR WIRE), PULLBOXES, TRANSFORMER PADS, SAWCUTTING AND PATCHING, CONCRETE/PAVING, ETC. REQUIRED. BACKFILL TRENCHES TO 90% COMPACTION AND PATCH TO MATCH EXISTING. CONTRACTOR SHALL OBTAIN AND VERIFY EXACT UTILITY COMPANY DRAWINGS AND REQUIREMENTS.

28. FIELD LOCATE FIXTURES IN MECHANICAL/ELECTRICAL ROOMS SO EQUIPMENT DOES NOT OBSTRUCT LIGHTING OR EQUIPMENT ACCESS. COORDINATE WITH MECHANICAL AND OTHER TRADES AS NEEDED.

29. SEE PLUMBING AND MECHANICAL DRAWINGS FOR ALL DIVISION 22 AND 23 EQUIPMENT LOCATIONS AND ELECTRICAL LOAD REQUIREMENTS.

30. ELECTRICAL CONTRACTOR TO PROVIDE MEANS (REQUEST AND INSTALLATION OF) TEMPORARY CONSTRUCTION POWER.


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STATE OF TEXAS
SHARON S. BICKFORD
77390
LICENSED PROFESSIONAL ENGINEER
08/02/2021

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

AUS CARGO DEVELOPMENT
EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No.:L13189.026 | Permit Issue No.:000000 | AIP/CNss.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| DATE: | 02AUG21 | | | | |
| SCALE: | NTS | No. | Date | Description | By |

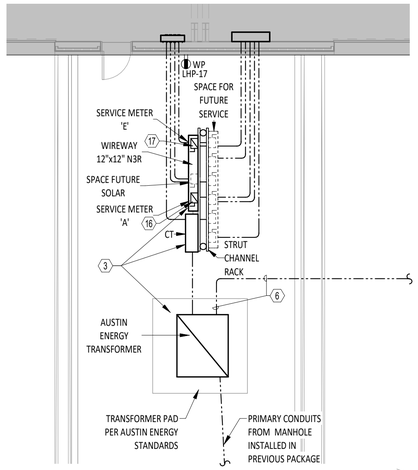
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**ELECTRICAL GENERAL NOTES**

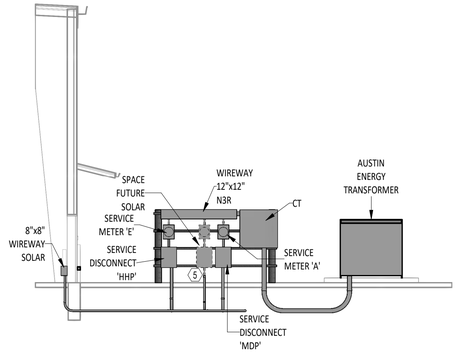
SHEET NO.

**E-0-02**



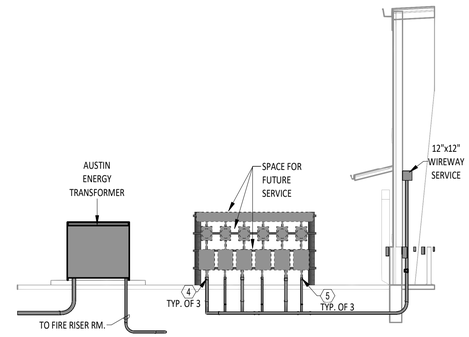

## 2 ELECTRICAL SERVICE ENLARGED PLAN

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



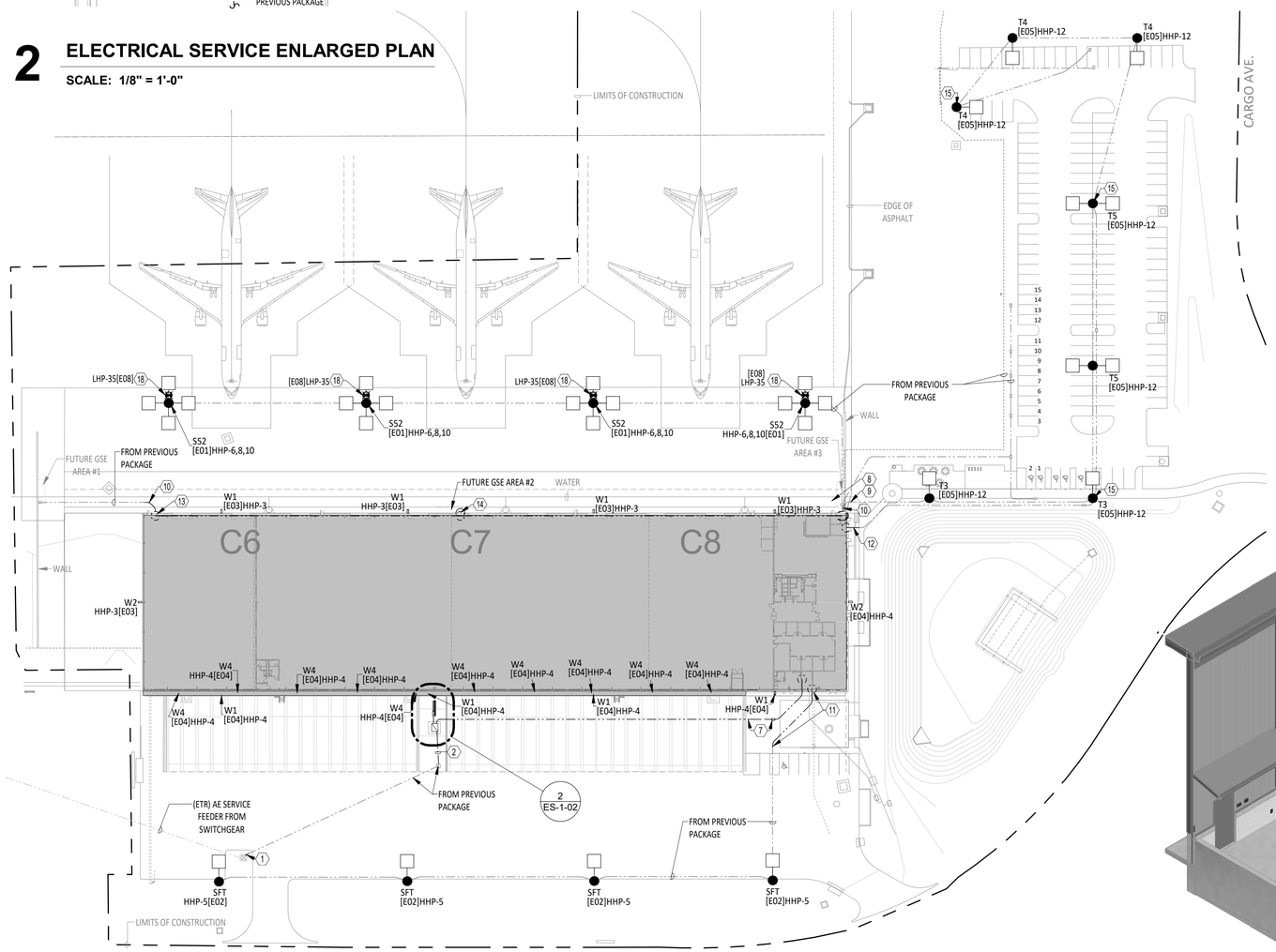

## 3 ELECTRICAL SERVICE - WEST ELEVATION

SCALE: N.T.S.



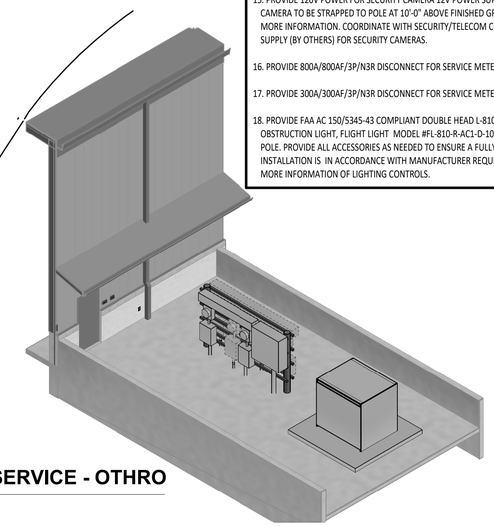

## 4 ELECTRICAL SERVICE - EAST ELEVATION

SCALE: N.T.S.




## 1 ELECTRICAL SITE PLAN

SCALE: 1" = 60'-0"



## 5 ELECTRICAL SERVICE - OTHRO

SCALE: N.T.S.

## GENERAL SHEET NOTES

A. REFER TO SHEET E-0-02 FOR GENERAL ELECTRICAL NOTES THAT SHALL APPLY TO ALL SHEETS IN THIS SET UNLESS NOTED OTHERWISE IN THE KEYNOTES.

B. DO NOT DIG OR LAY DOWN MATERIALS WITHIN 15 FT OF ELECTRIC TRANSMISSION STRUCTURES.

C. ALL WORK SHALL BE ARRANGED IN A NEAT, WELL ORGANIZED MANNER. ALL SERVICES SHALL BE ROUTED PARALLEL AND PERPENDICULAR TO THE PRIMARY LINES OF THE BUILDING.

D. PROVIDE CODE AND MANUFACTURER'S REQUIRED SERVICE CLEARANCES FOR ALL EQUIPMENT.

E. ALL EXTERIOR LIGHTS CONTROLLED BY PHOTOCELL SWITCH MOUNTED 8" ABOVE ROOF FACING NORTH. SEE E-6-01 LIGHTING CONTROLS SCHEDULE FOR MORE INFORMATION.

F. COORDINATE EQUIPMENT LOCATIONS AND REQUIREMENTS WITH MECHANICAL, PLUMBING, SECURITY, TELECOM AND ARCHITECTURAL DRAWINGS.

G. REFER TO SHEET E-5-03 FOR ELECTRICAL DETAILS, SHEET E-6-01 FOR LIGHTING SCHEDULES, E-6-02 ONE LINE, FEEDER, SERVICE SIZING, AND LOAD ANALYSIS. SEE E-6-03 SERIES SHEETS FOR PANELBOARD SCHEDULES.

H. COORDINATE EQUIPMENT LOCATIONS WITH ALL OTHER DISCIPLINES PRIOR TO INSTALLATION AND CONNECTION TO EQUIPMENT.

I. COORDINATE MAIN SERVICE ROUTING WITH OTHER TRADES. REFER TO CIVIL DRAWINGS.

## KEYED NOTES

1. MAKE FINAL CONDUIT CONNECTION TO EXISTING AUSTIN ENERGY SWITCH GEAR PER AUSTIN ENERGY STANDARDS. COORDINATE WITH AUSTIN ENERGY.

2. PROVIDE CONDUIT FROM PULL BOX TO NEW PAD MOUNTED TRANSFORMER LOCATION. PER AUSTIN ENERGY STANDARDS.

3. PROVIDE NEW PAD MOUNTED TRANSFORMER, PAD, CT CAN, METER RACK AND METERS PER AUSTIN ENERGY STANDARDS. SEE E-6-02 ELECTRICAL ONE LINE DIAGRAM, 3/ES-1-02, 4/ES-1-02, AND 5/ES-1-02 FOR ADDITIONAL INFORMATION.

4. STUB UP 3" CONDUIT FOR FUTURE SERVICE 12" ABOVE FINISHED GRADE AND CAP.

5. STUB UP 2" CONDUIT FOR FUTURE SOLAR 12" ABOVE FINISHED GRADE AND CAP.

6. TAP TRANSFORMER PER AUSTIN ENERGY STANDARDS FOR FIRE PUMP FEEDER. SEE E-6-02 ELECTRICAL ONE LINE DIAGRAM FOR MORE INFORMATION.

7. PROVIDE CONDUIT AND TIER 15 OR GREATER PULL BOX FOR FIRE PUMP FEEDER. SEE 1/E-5-02 FOR ADDITIONAL INFORMATION.

8. PROVIDE ONE (1) 1-1/4" CONDUIT(S) FOR TARMAC LIGHTING AND CONNECT TO CONDUIT FROM PREVIOUS PACKAGE.

9. PROVIDE ONE(1) 2-1/2" CONDUIT FOR ELECTRIC VEHICLE (EV) CHARGING STATIONS AND CONNECT TO CONDUIT FROM PREVIOUS PACKAGE.

10. PROVIDE ONE(1) 2-1/2" CONDUIT FOR FUTURE GROUND SERVICE EQUIPMENT (GSE) CHARGING STATIONS AND CONNECT TO CONDUIT FROM PREVIOUS PACKAGE.

11. PROVIDE ONE(1) 1-1/4" CONDUIT FOR TRUCK PARKING LOT LIGHTING CONDUIT AND CONNECT TO CONDUIT FROM PREVIOUS PACKAGE. RUN CONDUIT TO PLENUM SPACE AND BACK TO HOUSE PANELBOARD AS INDICATED BY CIRCUIT NUMBER FOR LIGHTING FIXTURES.

12. PROVIDE TWO(2) 1-0" CONDUIT FOR FUTURE SECURITY CAMERAS AND CONNECT TO CONDUIT FROM PREVIOUS PACKAGE.

13. PROVIDE ONE(1) 2-1/2" CONDUIT FOR FUTURE GROUND SERVICE EQUIPMENT (GSE) CHARGING STATIONS. RUN CONDUIT UNDER SLAB AND TURN UP INTO EXTERIOR WALL. EXTEND CONDUIT AS HIGH AS POSSIBLE AND ATTACH TO STRUCTURE. RUN CONDUIT BACK TO PLENUM SPACE ABOVE PANELBOARD 'HHP' AND CAP.

14. PROVIDE ONE(1) 2-1/2" CONDUIT AND JUNCTION BOX FOR FUTURE GROUND SERVICE EQUIPMENT (GSE) CHARGING STATIONS. RUN CONDUIT DOWN WALL UNDER SLAB AND BACK UP TO EXTERIOR WALL. STUB UP CONDUIT 12" ABOVE FINISHED GRADE AND CAP.

15. PROVIDE 120V POWER FOR SECURITY CAMERA 12V POWER SUPPLY. CIRCUIT TO PANELBOARD 'LHP-7'. SECURITY CAMERA TO BE STRAPPED TO POLE AT 10'-0" ABOVE FINISHED GRADE. SEE SECURITY AND TELECOM DRAWINGS FOR MORE INFORMATION. COORDINATE WITH SECURITY/TELECOM CONTRACTOR THE EXACT LOCATION OF LV POWER SUPPLY (BY OTHERS) FOR SECURITY CAMERAS.

16. PROVIDE 800A/800AF/3P/N3R DISCONNECT FOR SERVICE METER 'A'.

17. PROVIDE 300A/300AF/3P/N3R DISCONNECT FOR SERVICE METER 'E'.

18. PROVIDE FAA AC 150/5345-43 COMPLIANT DOUBLE HEAD L-810 INCANDESCENT STEADY BURNING RED OBSTRUCTION LIGHT, FLIGHT LIGHT MODEL #FL-810-R-AC1-D-10B OR EQUAL. MOUNT ON TOP OF TARMAC LIGHT POLE. PROVIDE ALL ACCESSORIES AS NEEDED TO ENSURE A FULLY FUNCTIONING SYSTEM WHEN COMPLETE. ENSURE INSTALLATION IS IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS. CIRCUIT AS INDICATED. SEE E-6-01 FOR MORE INFORMATION OF LIGHTING CONTROLS.

PLAN NORTH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08/02/2021

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No.:L13189.026 | Permit Issue No.:00000 | AIP/CNos.: 0-00-0000-00-00

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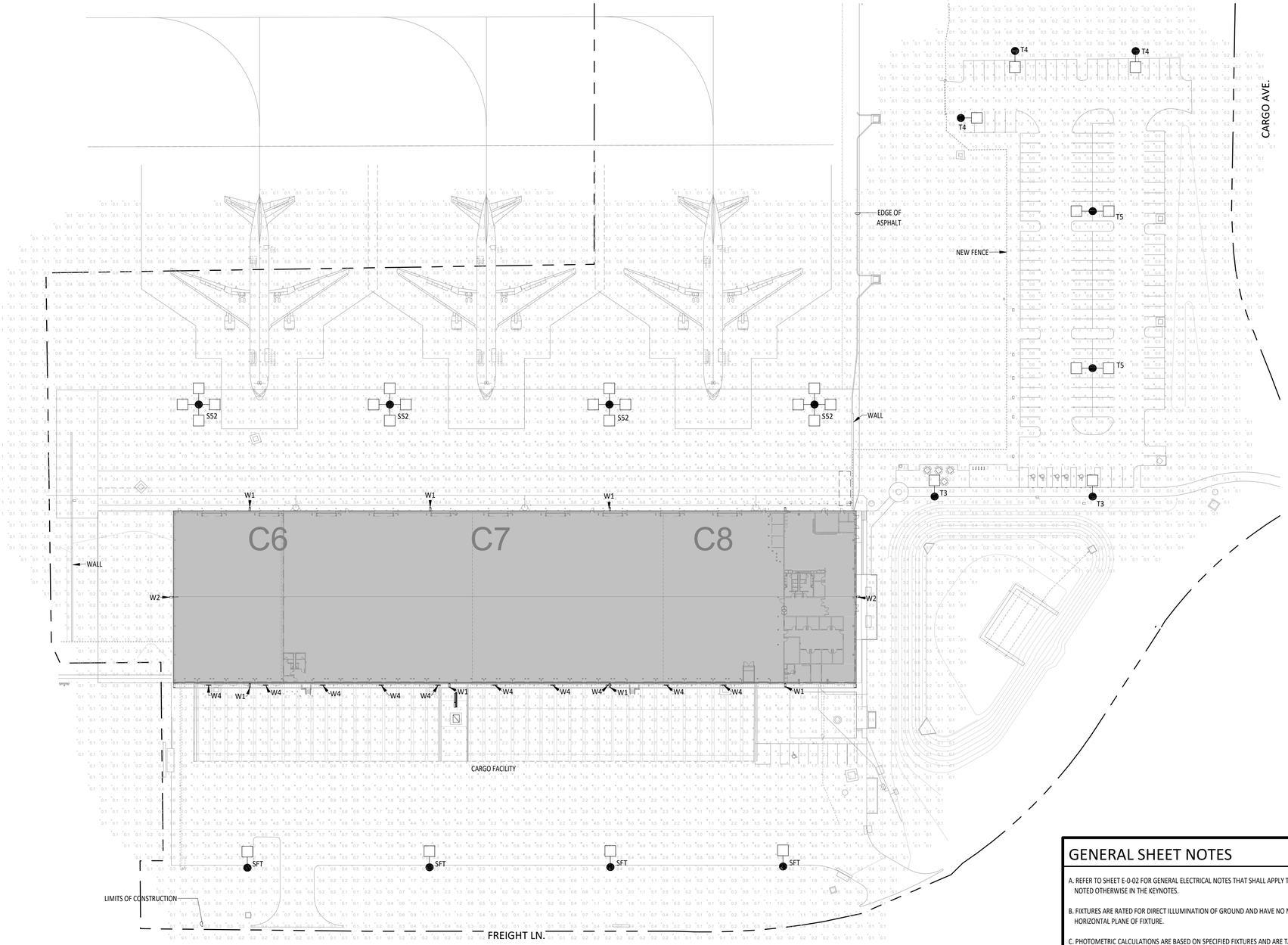
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**ELECTRICAL SITE PLAN**

SHEET NO.

**ES-1-02**




## 1 ELECTRICAL SITE PHOTOMETRIC PLAN

**SCALE: 1" = 50'-0"**

## GENERAL SHEET NOTES

A. REFER TO SHEET E-0-02 FOR GENERAL ELECTRICAL NOTES THAT SHALL APPLY TO ALL SHEETS IN THIS SET UNLESS NOTED OTHERWISE IN THE KEYNOTES.

B. FIXTURES ARE RATED FOR DIRECT ILLUMINATION OF GROUND AND HAVE NO MEASUREABLE ILLUMINATION ABOVE HORIZONTAL PLANE OF FIXTURE.

C. PHOTOMETRIC CALCULATIONS ARE BASED ON SPECIFIED FIXTURES AND ARE TAKEN AT GRADE.

D. LIGHTING LEVELS PROVIDED ARE LESS THAN 0.1 FC AT PROPERTY LINE.

E. FIXTURE HEIGHT ABOVE FINISH GRADE ARE AS FOLLOWS:
a. 40FT=TYPE 'S52'
b. 25FT=TYPE 'SFT'
c. 28FT=TYPE 'T3', 'T4' AND 'T5'
d. 24FT=TYPE 'W1' & 'W2'

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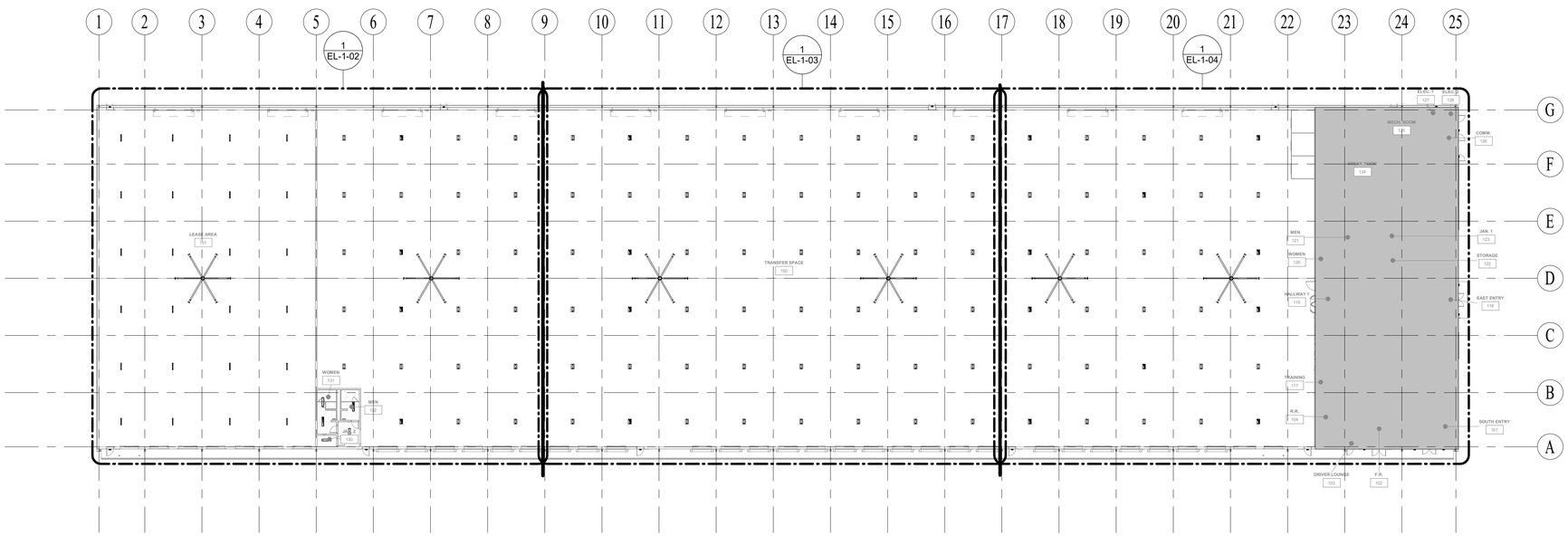
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**ELECTRICAL SITE PHOTOMETRIC PLAN**

SHEET NO.

**ES-1-03**




## 1 LIGHTING PLAN - OVERALL

**SCALE: 1" = 30'-0"**

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KEY MAP

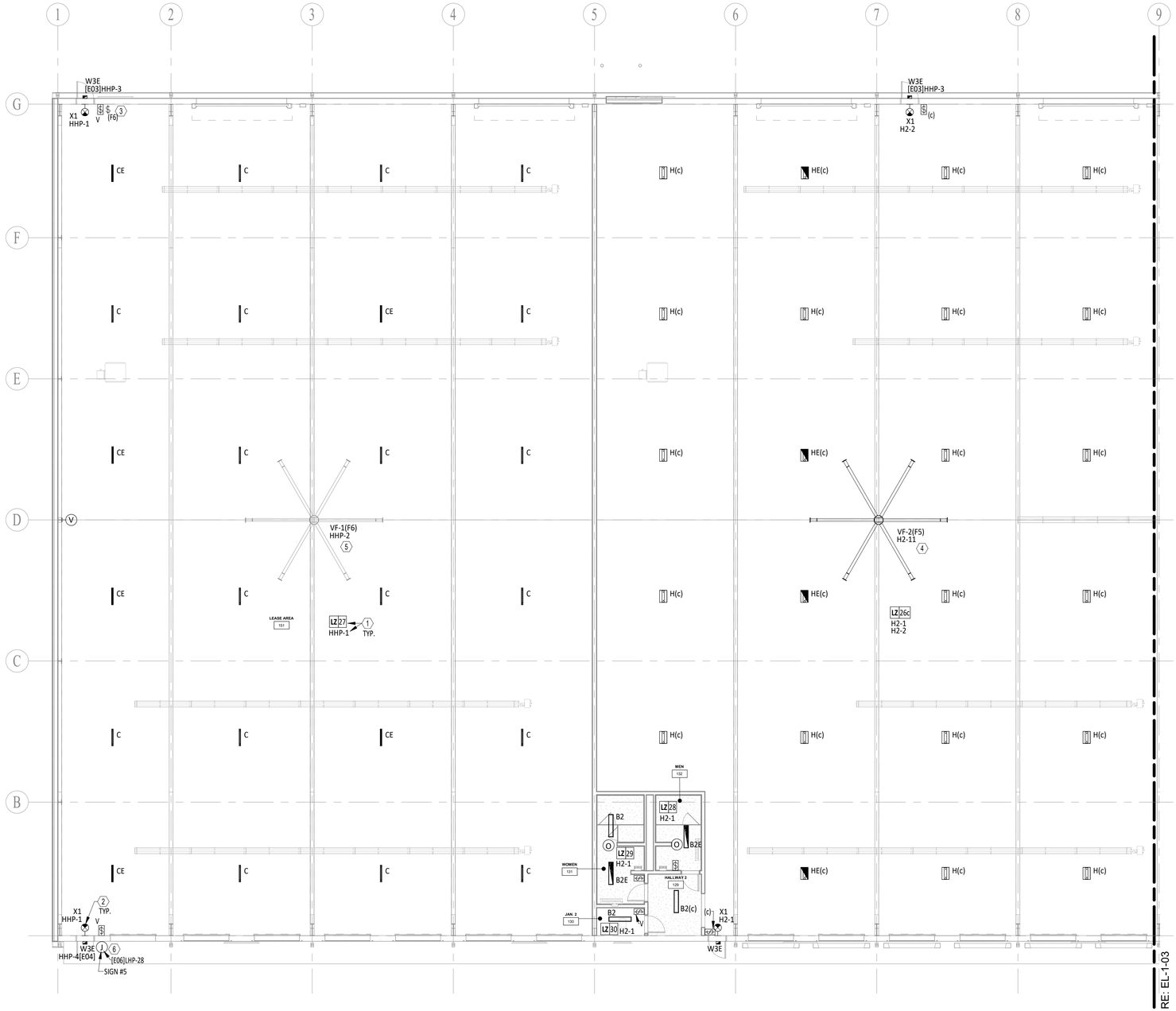
SECTOR J3

DRAWING DESCRIPTION:

**FIRST FLOOR LIGHTING PLAN**

SHEET NO.

**EL-1-01**




# 1 LIGHTING PLAN - AREA A

**SCALE: 3/32" = 1'-0"**

## GENERAL SHEET NOTES

A. REFER TO SHEET E-0-02 FOR GENERAL ELECTRICAL NOTES THAT SHALL APPLY TO ALL SHEETS IN THIS SET UNLESS NOTED OTHERWISE IN THE KEYNOTES.

B. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED DEVICES.

C. SEE ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR LIGHTING FIXTURES.

D. REFER TO SHEET E-6-01 FOR LIGHTING SCHEDULES AND E-6-02, E-6-03 FOR ELECTRICAL PANEL SCHEDULES.

E. LIGHTING FIXTURES DENOTED WITH SUFFIX "E" ARE EMERGENCY LIGHTING FIXTURES AND CONNECTED TO A REMOTE EMERGENCY LIGHTING INVERTER OR INTEGRATED BATTERY BACKUP POWER AS INDICATED ON PLANS.

F. CONTRACTOR IS RESPONSIBLE TO REVIEW ARCHITECTURAL DRAWINGS TO CONFIRM CEILING TYPES IN ALL ROOMS (ACCESSIBLE, EXPOSED OR "HARD LID") AND TO USE THE APPROPRIATE WIRING METHOD FOR EACH TYPE. ENSURE ALL J-BOXES ARE ACCESSIBLE AFTER ALL OTHER TRADE'S WORK IS COMPLETED. DO NOT LOCATE ANY J-BOXES ON "HARD"CEILINGS; ALL WIRING MUST BE ACCESSIBLE THROUGH LUMINAIRE ONLY IN "DAISY-CHAIN"METHOD OR WITH DEDICATED HOMERUNS TO EACH LUMINAIRE. J-BOXES MAY BE LOCATED ABOVE OTHER TRADE'S ACCESS DOORS IF FEASIBLE AND DOES NOT INTERFERE WITH ACCESS.

G. PROVIDE OCCUPANCY SENSOR IN RESTROOMS AND WATER CLOSETS WITH AUXILIARY CONTACTS TO INTERFACE AND CONTROL EXHAUST FAN. SEE MECHANICAL CONTROLS SHEET FOR MORE INFORMATION. COORDINATE WITH MECHANICAL CONTRACTOR BEFORE PURCHASING OCCUPANCY SENSORS TO ENSURE COMPATIBILITY.

## KEYED NOTES

1. SYMBOL INDICATES LIGHTING CONTROL ZONE. ALL LIGHT FIXTURES IN LIGHTING ZONE WILL BE CIRCULATED TO THE NORMAL POWER CIRCUIT(S) INDICATED. SEE E-6-01 FOR MORE INFORMATION ON LIGHTING CONTROL ZONES.

2. NON-SWITCHED EXIT SIGN CIRCUITED TO NORMAL POWER CIRCUIT INDICATED.

3. MOUNT CEILING FAN CONTROL SWITCH (BY OTHERS) ON WALL AS SHOWN. FAN CONTROLS PROVIDED BY FAN MANUFACTURER. COORDINATE WITH MECHANICAL CONTRACTOR EXACT LOCATION OF FAN CONTROLS. MAKE ALL ELECTRICAL CONNECTIONS AS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM.

4. PROVIDE POWER FOR FAN (BY OTHERS) AS INDICATED. SEE MH-6-01 VENTILATION FAN SCHEDULE FOR MORE INFORMATION ON FAN REQUIREMENTS. COORDINATE WITH MECHANICAL CONTRACTOR EXACT LOCATION OF FAN BEFORE ROUGH-IN. MAKE ALL ELECTRICAL CONNECTIONS AS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM. SEE EL-1-04 FOR FAN CONTROL LOCATION.

5. PROVIDE POWER FOR FAN (BY OTHERS) AS INDICATED. SEE MH-6-01 VENTILATION FAN SCHEDULE FOR MORE INFORMATION ON FAN REQUIREMENTS. COORDINATE WITH MECHANICAL CONTRACTOR EXACT LOCATION OF FAN BEFORE ROUGH-IN. MAKE ALL ELECTRICAL CONNECTIONS AS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM.

6. PROVIDE 120V POWER TO JUNCTION BOX FOR FUTURE EXTERIOR SIGN (BY OTHERS) AND MOUNT AT 21'-0" A.F.F. COORDINATE EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS. CIRCUIT CONTROL AND POWER AS INDICATED. CAP WIRE IN JUNCTION BOX AND CLOSE WITH WATER TIGHT COVER.

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

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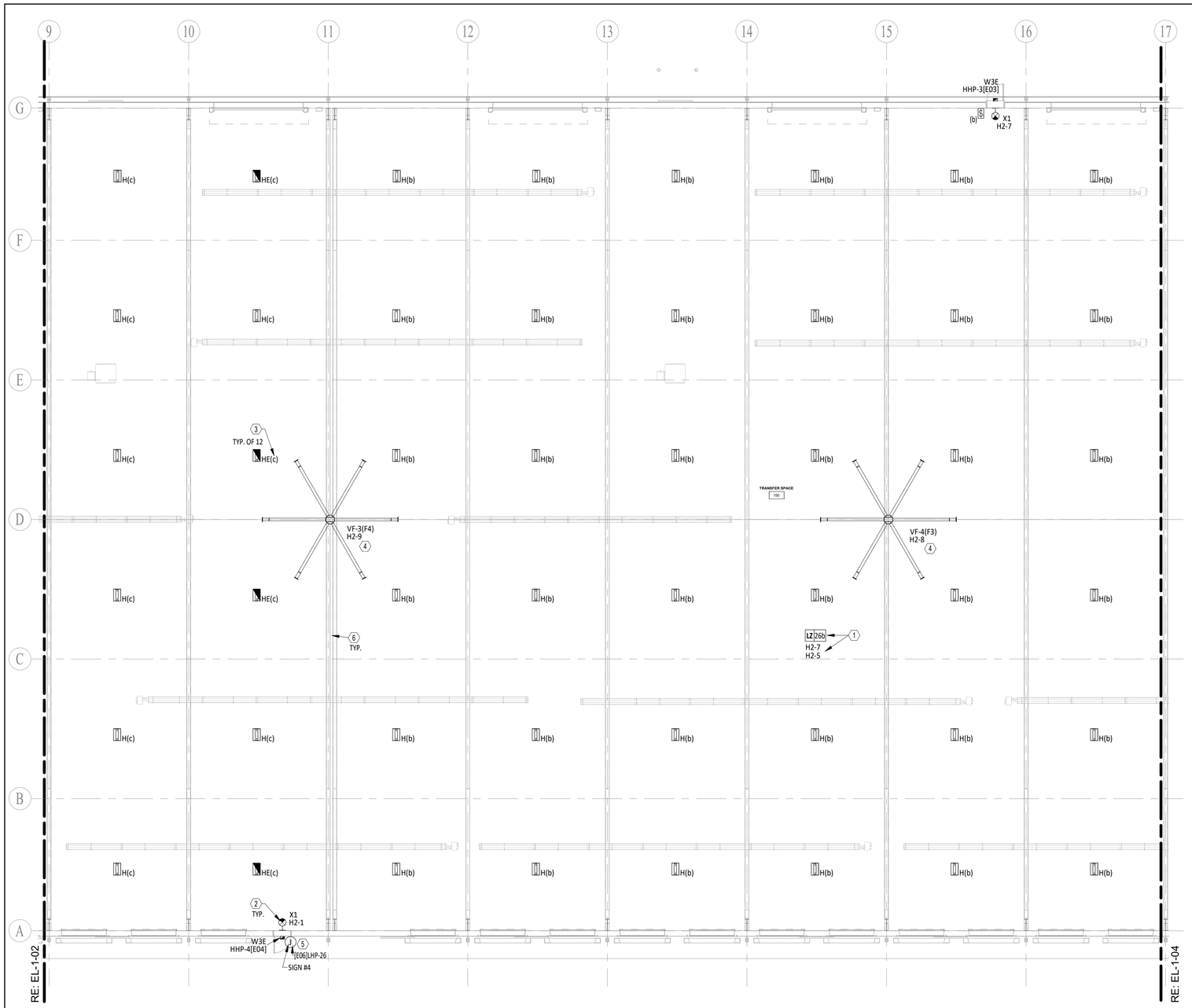
KEY MAP — A — SECTOR J3

DRAWING DESCRIPTION:

**AREA A LIGHTING PLAN**

SHEET NO.

**EL-1-02**




## 1 LIGHTING PLAN - AREA B

**SCALE: 3/32" = 1'-0"**

## GENERAL SHEET NOTES

A. REFER TO SHEET E-0-02 FOR GENERAL ELECTRICAL NOTES THAT SHALL APPLY TO ALL SHEETS IN THIS SET UNLESS NOTED OTHERWISE IN THE KEYNOTES.

B. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED DEVICES.

C. SEE ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR LIGHTING FIXTURES.

D. REFER TO SHEET E-6-01 FOR LIGHTING SCHEDULES AND E-6-02, E-6-03 FOR ELECTRICAL PANEL SCHEDULES.

E. LIGHTING FIXTURES DENOTED WITH SUFFIX "E" ARE EMERGENCY LIGHTING FIXTURES AND CONNECTED TO A REMOTE EMERGENCY LIGHTING INVERTER OR INTEGRATED BATTERY BACKUP POWER AS INDICATED ON PLANS.

F. CONTRACTOR IS RESPONSIBLE TO REVIEW ARCHITECTURAL DRAWINGS TO CONFIRM CEILING TYPES IN ALL ROOMS (ACCESSIBLE, EXPOSED OR "HARD LID") AND TO USE THE APPROPRIATE WIRING METHOD FOR EACH TYPE. ENSURE ALL J-BOXES ARE ACCESSIBLE AFTER ALL OTHER TRADE'S WORK IS COMPLETED. DO NOT LOCATE ANY J-BOXES ON "HARD"CEILINGS; ALL WIRING MUST BE ACCESSIBLE THROUGH LUMINAIRE ONLY IN "DAISY-CHAIN"METHOD OR WITH DEDICATED HOMERUNS TO EACH LUMINAIRE. J-BOXES MAY BE LOCATED ABOVE OTHER TRADE'S ACCESS DOORS IF FEASIBLE AND DOES NOT INTERFERE WITH ACCESS.

G. PROVIDE OCCUPANCY SENSOR IN RESTROOMS AND WATER CLOSETS WITH AUXILIARY CONTACTS TO INTERFACE AND CONTROL EXHAUST FAN. SEE MECHANICAL CONTROLS SHEET FOR MORE INFORMATION. COORDINATE WITH MECHANICAL CONTRACTOR BEFORE PURCHASING OCCUPANCY SENSORS TO ENSURE COMPATIBILITY.

## ⬡ KEYED NOTES

1. SYMBOL INDICATES LIGHTING CONTROL ZONE. ALL LIGHT FIXTURES IN LIGHTING ZONE WILL BE CIRCULATED TO THE NORMAL POWER CIRCUIT(S) INDICATED. SEE E-6-01 FOR MORE INFORMATION ON LIGHTING CONTROL ZONES.

2. NON-SWITCHED EXIT SIGN CIRCUITED TO NORMAL POWER CIRCUIT INDICATED.

3. SEE EL-1-02 AREA A LIGHTING PLAN FOR MORE INFORMATION ON LIGHITNG CONTROL ZONE AND POWER CIRCUIT.

4. PROVIDE POWER FOR FAN (BY OTHERS) AS INDICATED. SEE MH-6-01 VENTILATION FAN SCHEDULE FOR MORE INFORMATION ON FAN REQUIREMENTS. COORDINATE WITH MECHANICAL CONTRACTOR EXACT LOCATION OF FAN BEFORE ROUGH-IN. MAKE ALL ELECTRICAL CONNECTIONS AS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM. SEE EL-1-04 FOR FAN CONTROL LOCATION.

5. PROVIDE 120V POWER TO JUNCTION BOX FOR FUTURE EXTERIOR SIGN (BY OTHERS) AND MOUNT AT 21'-0" A.F.F. COORDINATE EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS. CIRCUIT CONTROL AND POWER AS INDICATED. CAP WIRE IN JUNCTION BOX AND CLOSE WITH WATER TIGHT COVER.

6. PROVIDE EXPANSIONS JOINT FITTINGS FOR CONDUIT CROSSING PEMB BUILDING EXPANSION JOINT SHOWN. SEE DIVISION 26 SPECIFICATIONS FOR MORE INFORMATION.

PLAN NORTH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08/02/2021

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

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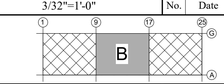
KEY MAP



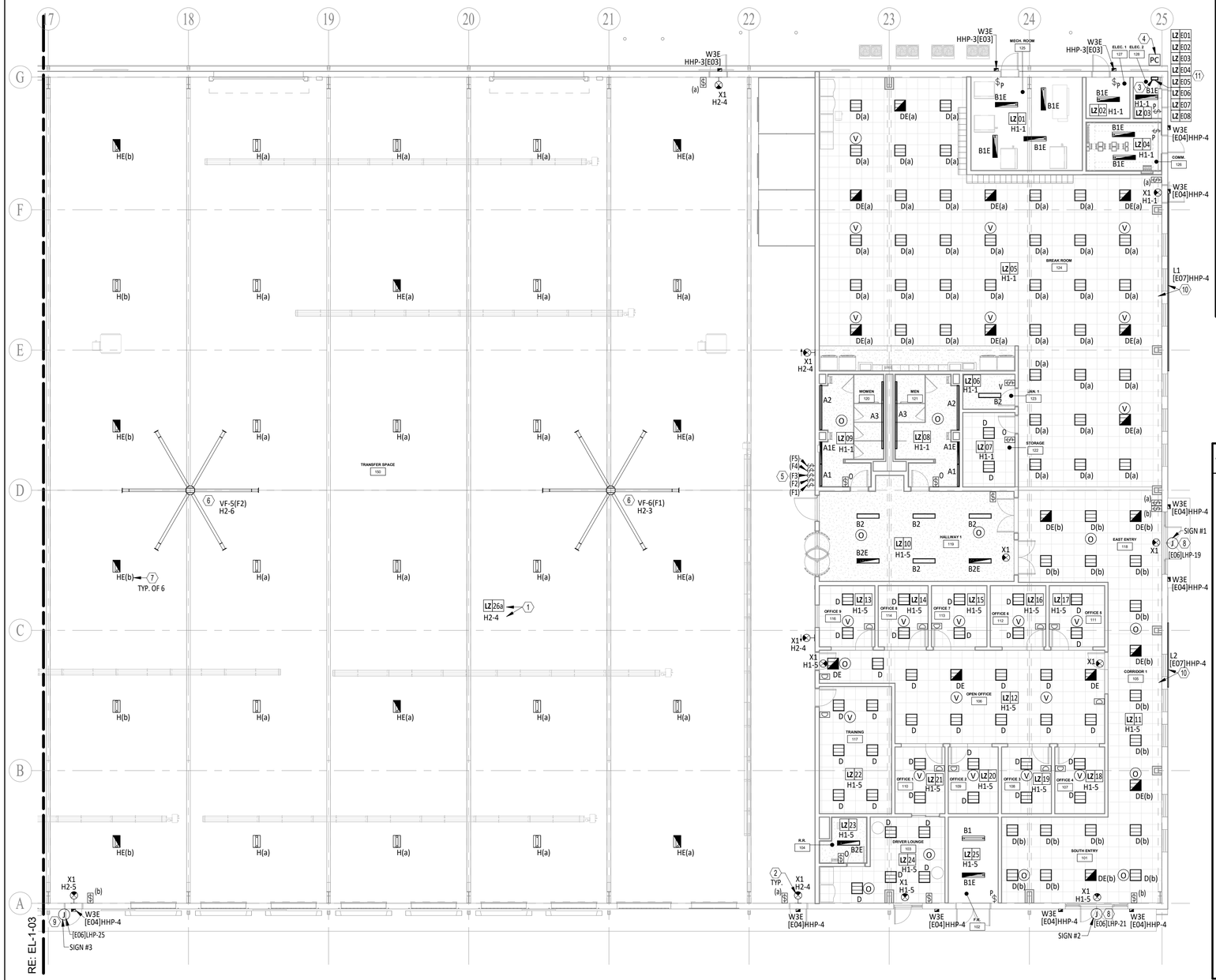

SECTOR J3

DRAWING DESCRIPTION:

**AREA B LIGHTING PLAN**

SHEET NO.

**EL-1-03**




# 1 AREA C LIGHTING PLAN

**SCALE: 3/32" = 1'-0"**

## GENERAL SHEET NOTES

A. REFER TO SHEET E-0-02 FOR GENERAL ELECTRICAL NOTES THAT SHALL APPLY TO ALL SHEETS IN THIS SET UNLESS NOTED OTHERWISE IN THE KEYNOTES.

B. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED DEVICES.

C. SEE ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR LIGHTING FIXTURES.

D. REFER TO SHEET E-6-01 FOR LIGHTING SCHEDULES AND E-6-02, E-6-03 FOR ELECTRICAL PANEL SCHEDULES.

E. LIGHTING FIXTURES DENOTED WITH SUFFIX "E" ARE EMERGENCY LIGHTING FIXTURES AND CONNECTED TO A REMOTE EMERGENCY LIGHTING INVERTER OR INTEGRATED BATTERY BACKUP POWER AS INDICATED ON PLANS.

F. CONTRACTOR IS RESPONSIBLE TO REVIEW ARCHITECTURAL DRAWINGS TO CONFIRM CEILING TYPES IN ALL ROOMS (ACCESSIBLE, EXPOSED OR "HARD LID") AND TO USE THE APPROPRIATE WIRING METHOD FOR EACH TYPE. ENSURE ALL J-BOXES ARE ACCESSIBLE AFTER ALL OTHER TRADE'S WORK IS COMPLETED. DO NOT LOCATE ANY J-BOXES ON "HARD"CEILINGS; ALL WIRING MUST BE ACCESSIBLE THROUGH LUMINAIRE ONLY IN "DAISY-CHAIN"METHOD OR WITH DEDICATED HOMERUNS TO EACH LUMINAIRE. J-BOXES MAY BE LOCATED ABOVE OTHER TRADE'S ACCESS DOORS IF FEASIBLE AND DOES NOT INTERFERE WITH ACCESS.

G. PROVIDE OCCUPANCY SENSOR IN RESTROOMS AND WATER CLOSETS WITH AUXILIARY CONTACTS TO INTERFACE AND CONTROL EXHAUST FAN. SEE MECHANICAL CONTROLS SHEET FOR MORE INFORMATION. COORDINATE WITH MECHANICAL CONTRACTOR BEFORE PURCHASING OCCUPANCY SENSORS TO ENSURE COMPATIBILITY.

## KEYED NOTES

1. SYMBOL INDICATES LIGHTING CONTROL ZONE. ALL LIGHT FIXTURES IN LIGHTING ZONE WILL BE CIRCULATED TO THE NORMAL POWER CIRCUIT(S) INDICATED. SEE E-6-01 FOR MORE INFORMATION ON LIGHTING CONTROL ZONES.

2. NON-SWITCHED EXIT SIGN CIRCUITED TO NORMAL POWER CIRCUIT INDICATED.

3. PROVIDE INTELLIGENT LIGHTING CONTROLS FOR TIME-CLOCK AND PHOTOCELL CONTROL OF EXTERIOR LIGHTING AND 120V BUILDING SIGNAGE AND TARMAC POLE LIGHTING RED OBSTRUCTION LIGHTS. WALL SPACE PROVIDED FOR LIGHTING CONTROL EQUIPMENT IF NEEDED. COORDINATE ALL LIGHTING CONTROL EQUIPMENT LOCATIONS WITH OTHER EQUIPMENT IN ROOM. SEE EP-4-01 FOR MORE INFORMATION ON EXTERIOR LIGHTING ZONES.

4. PROVIDE PHOTOCELL FOR USE WITH TIME-CLOCK CONTROLLER LOCATED IN ROOM 128 ELEC 2. MOUNT PHOTOCELL 8" ABOVE ROOF FACING NORTH.

5. MOUNT CEILING FAN CONTROL SWITCH (BY OTHERS) ON WALL AS SHOWN. FAN CONTROLS PROVIDED BY FAN MANUFACTURER. COORDINATE WITH MECHANICAL CONTRACTOR EXACT LOCATION OF FAN CONTROLS. MAKE ALL ELECTRICAL CONNECTIONS AS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM.

6. PROVIDE POWER FOR HVLS FAN (BY OTHERS) AS INDICATED. SEE MH-6-01 VENTILATION FAN SCHEDULE FOR MORE INFORMATION ON FAN REQUIREMENTS. COORDINATE WITH MECHANICAL CONTRACTOR EXACT LOCATION OF FAN BEFORE ROUGH-IN. HVLS FAN TO BE INTERLOCKED WITH FIRE ALARM SYSTEM. COORDINATE WITH FIRE ALARM CONTRACTOR ANY ADDITIONAL ELECTRICAL SCOPE REQUIRED TO ENSURE FANS ARE INTERLOCKED AND CONNECTED TO FIRE ALARM CONTROL PANEL. MAKE ALL ELECTRICAL CONNECTIONS AS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM.

7. SEE EL-1-03 AREA B LIGHTING PLAN FOR MORE INFORMATION ON LIGHTING CONTROL ZONE AND POWER CIRCUIT.

8. PROVIDE 120V POWER TO JUNCTION BOX FOR EXTERIOR SIGN (BY OTHERS) AND MOUNT AT 21'-0" A.F.F. COORDINATE EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS. CONNECT POWER FOR SIGN TO EXTERIOR LIGHTING ZONE CIRCUIT INDICATED. MAKE ALL ELECTRICAL CONNECTIONS AS REQUIRED.

9. PROVIDE 120V POWER TO JUNCTION BOX FOR FUTURE EXTERIOR SIGN (BY OTHERS) AND MOUNT AT 21'-0" A.F.F. COORDINATE EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS. CIRCUIT CONTROL AND POWER AS INDICATED. CAP WIRE IN JUNCTION BOX AND CLOSE WITH WATER TIGHT COVER.

10. DIAGONAL MOUNTED EXTERIOR LED WET TUBE LIGHT. LOCATE POWER SUPPLY INSIDE BUILDING EXTERIOR WALL PLENUM SPACE ABOVE ACCESSIBLE CEILING. SEE ARCHITECTURAL ELEVATIONS FOR APPROXIMATE FIXTURE LENGTHS. SEE ARCHITECTURAL DETAILS FOR INSTALLATION INFORMATION. SEE LIGHTING FIXTURE SCHEDULE FOR MORE INFORMATION. FIELD VERIFY LENGTHS BEFORE ORDERING.

11. SEE ES-1-02 AND E-6-01 FOR MORE INFORMATION ON EXTERIOR LIGHTING CONTROL ZONES AND CIRCUIT POWER.

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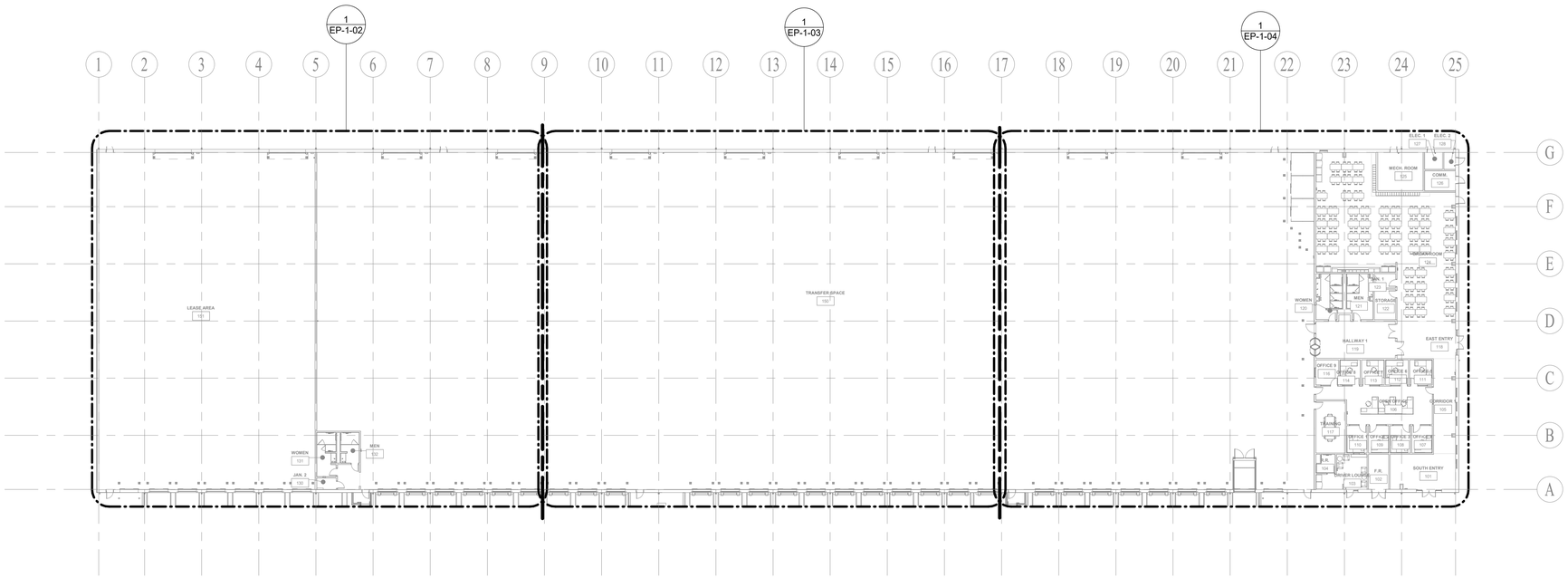
KEY MAP — C — SECTOR J3

DRAWING DESCRIPTION:

**AREA C LIGHTING PLAN**

SHEET NO.

**EL-1-04**




# 1 POWER PLAN - OVERALL

SCALE: 1" = 30'-0"

PLAN NORTH


ATKINS
11801 Domain Blvd., Suite 500 -
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STATE OF TEXAS
SHARON S. BICKFORD
77390
LICENSED PROFESSIONAL ENGINEER
08/02/2021

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

## AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No.:L13189.026 | Permit Issue No.:00000 | AID/CNtss.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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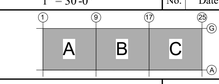
| DATE: | 02AUG21 | | | | |
| SCALE: | 1" = 30'-0" | No. | Date | Description | By |

KEY MAP



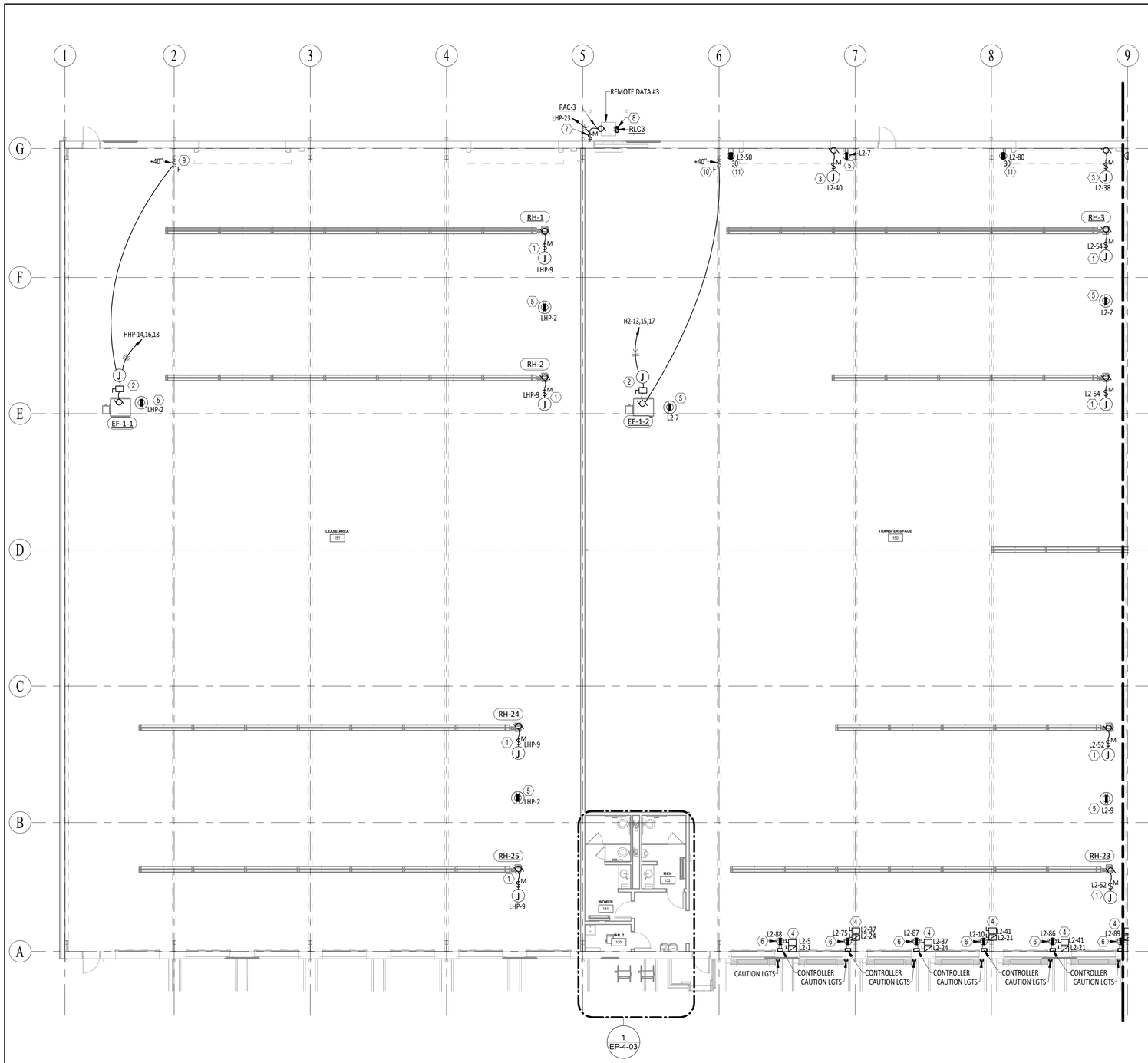

SECTOR J3

DRAWING DESCRIPTION:

**FIRST FLOOR POWER PLAN**

SHEET NO.

**EP-1-01**




# 1 POWER PLAN - AREA A

**SCALE: 3/32" = 1'-0"**

## GENERAL SHEET NOTES

A. REFER TO SHEET E-0-02 FOR GENERAL ELECTRICAL NOTES THAT SHALL APPLY TO ALL SHEETS IN THIS SET UNLESS NOTED OTHERWISE IN THE KEYNOTES.

B. RECEPTACLES SHALL BE FLUSH MOUNTED 18" ABOVE FINISHED FLOOR UNLESS SPECIFIED OTHERWISE.

C. COORDINATE EQUIPMENT LOCATIONS WITH ALL OTHER DISCIPLINES PRIOR TO INSTALLATION AND CONNECTION TO EQUIPMENT.

D. REFER TO E-5-01 SERIES SHEETS FOR ELECTRICAL DETAILS AND E-6-02 & E-6-03 SHEETS FOR PANELBOARD SCHEDULES.

E. ABOVE-COUNTER RECEPTACLES SHALL BE MOUNTED SUCH THAT CENTER OF BOX IS AT LEAST 8" ABOVE COUNTER TO ENSURE FACEPLATE IS UNOBSTRUCTED BY COUNTER BACKSPLASH. VERIFY RECEPTACLE ENCLOSURE HEIGHT WITH ARCHITECTURAL DETAILS BEFORE ROUGH-IN.

F. ALL WORK SHALL BE ARRANGED IN A NEAT WELL ORGANIZED MANNER. ALL SERVICES SHALL BE ROUTED PARALLEL AND PERPENDICULAR TO THE PRIMARY LINES OF THE BUILDING.

G. PROVIDE CODE AND MANUFACTURER REQUIRED SERVICE CLEARANCES.

H. SEAL ALL ENCLOSURE PENETRATIONS TO THEY ARE WATER AND AIR TIGHT THROUGHOUT.

I. ALL EQUIPMENT DISCONNECTS SHALL BE LOCATED IN ACCESSIBLE LOCATION WITHIN SIGHT OF THE EQUIPMENT BEING FED.

## KEYED NOTES

1. PROVIDE MOTOR RATED SWITCH AS DISCONNECT FOR RADIANT HEATER SHOWN. MOUNT SWITCH ON STRUCTURE IN ACCESSIBLE LOCATION NEXT TO MECHANICAL UNIT. MAKE ALL ELECTRICAL CONNECTIONS AS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM. SEE MECHANICAL CONTROLS AND SCHEDULES FOR MORE INFORMATION.

2. 30A/3P/N1 DISCONNECT FOR EXHAUST FAN SHOWN. MOUNT DISCONNECT ON STRUCTURE IN ACCESSIBLE LOCATION NEXT TO EXHAUST FAN. SEE MECHANICAL SCHEDULES FOR ADDITIONAL INFORMATION.

3. PROVIDE MOTOR RATED SWITCH AS DISCONNECT FOR OVERHEAD ROLL-UP DOOR SHOWN. MOUNT SWITCH ON WALL IN ACCESSIBLE LOCATION NEXT TO MOTOR AND CIRCUIT AS INDICATED. MAKE ALL ELECTRICAL CONNECTIONS AS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM.

4. PROVIDE 30A/2P/N3R OSHA REGULATION 1910.147 APPROVED LOCKOUT DISCONNECT FOR RITE-HITE VBR-300 DOK-LOK VEHICLE RESTRAINT. PROVIDE 30A/2P/10AF/N3R OSHA REGULATION 1910.147 APPROVED LOCKOUT FUSED DISCONNECT FOR RITE-HITE RHE3 SERIES DOCK LEVELER (DOCK LEVELER, VEHICLE RESTRAINT AND DOK-COMMANDER CONTROLLER BY OTHERS). INSTALL DOK-COMMANDER CONTROLLER TO INTERFACE WITH DOCK LEVELER AND VEHICLE RESTRAINT SYSTEM. INSTALL CAUTION LIGHTS ON OUTSIDE WALL AS SHOWN. PROVIDE ALL COMPONENTS AND ACCESSORIES REQUIRED FOR COMPLETE FULLY FUNCTIONING SYSTEM. MAKE ALL ELECTRICAL CONNECTIONS AS REQUIRED. CIRCUIT AS INDICATED.

5. PROVIDE 120V CONVENIENCE GFCI RECEPTACLE ABOVE CEILING MOUNTED TO STRUCTURE OR WALL TO SERVE NEARBY EQUIPMENT. ENSURE RECEPTACLE IS WITHIN 25FT OF EQUIPMENT BEING SERVED.

6. PROVIDE 120V RECEPTACLE FOR SWING LIGHTS. MOUNT AT 80" A.A.F.

7. PROVIDE 120V MOTOR RATED SWITCH WITH N3R ENCLOSURE AND COVER FOR DDB UNLIMITED T-SERIES COMPACT OUTDOOR AIR CONDITIONER OR EQUAL (BY OTHERS) AS A DISCONNECTING MEANS. PROVIDE WIRE AND CONDUIT TO MAKE ALL ELECTRICAL CONNECTIONS AS REQUIRED. SEE TELECOM DRAWINGS FOR INFORMATION. COORDINATE WITH TELECOM CONTRACTOR FOR EXACT LOCATION OF EQUIPMENT BEFORE ROUGH-IN. CIRCUIT AS INDICATED.

8. PROVIDE AND ATTACH PANELBOARD TO TELECOM ENCLOSURE CABINET SHOWN. COORDINATE WITH TELECOM CONTRACTOR FOR EXACT LOCATION FOR EQUIPMENT BEFORE ROUGH-IN. CIRCUIT AS INDICATED.

9. PROVIDE MOTOR RATED SWITCH TO MANUALLY CONTROL 'ON/OFF' OF EXHAUST FAN SHOWN. MOUNT SWITCH ON STRUCTURE IN ACCESSIBLE LOCATION. SEE MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.

10. INSTALL FAN CONROL SWITCH (BY OTHERS) FOR MANUAL 'ON/OFF' OF EXHAUST FAN SHOWN. FAN SWITCH TO WORK IN CONJUCTION WITH CO2 SENSOR PROVIDED BY MECHANICAL CONTRACTOR. MOUNT SWITCH ON STRUCTURE IN ACCESSIBLE LOCATION. SEE MECHANICAL CONTROLS SHEETS AND SCHEDULES FOR ADDITIONAL INFORMATION. COORDINATE WITH MECHANICAL CONTRACTOR EXACT LOCATION OF FAN SWITCH. PROVIDE ALL ACCESSORIES AS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM WHEN COMPLETE.

11. PROVIDE NEMA 5-30P FOR VENDOR PROVIDED DRIVE OVER SCALES.

PLAN NORTH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08/02/2021

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No.:L13189.026 | Permit Issue No.:00000 | AIP/CNtss.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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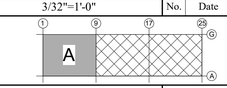
KEY MAP



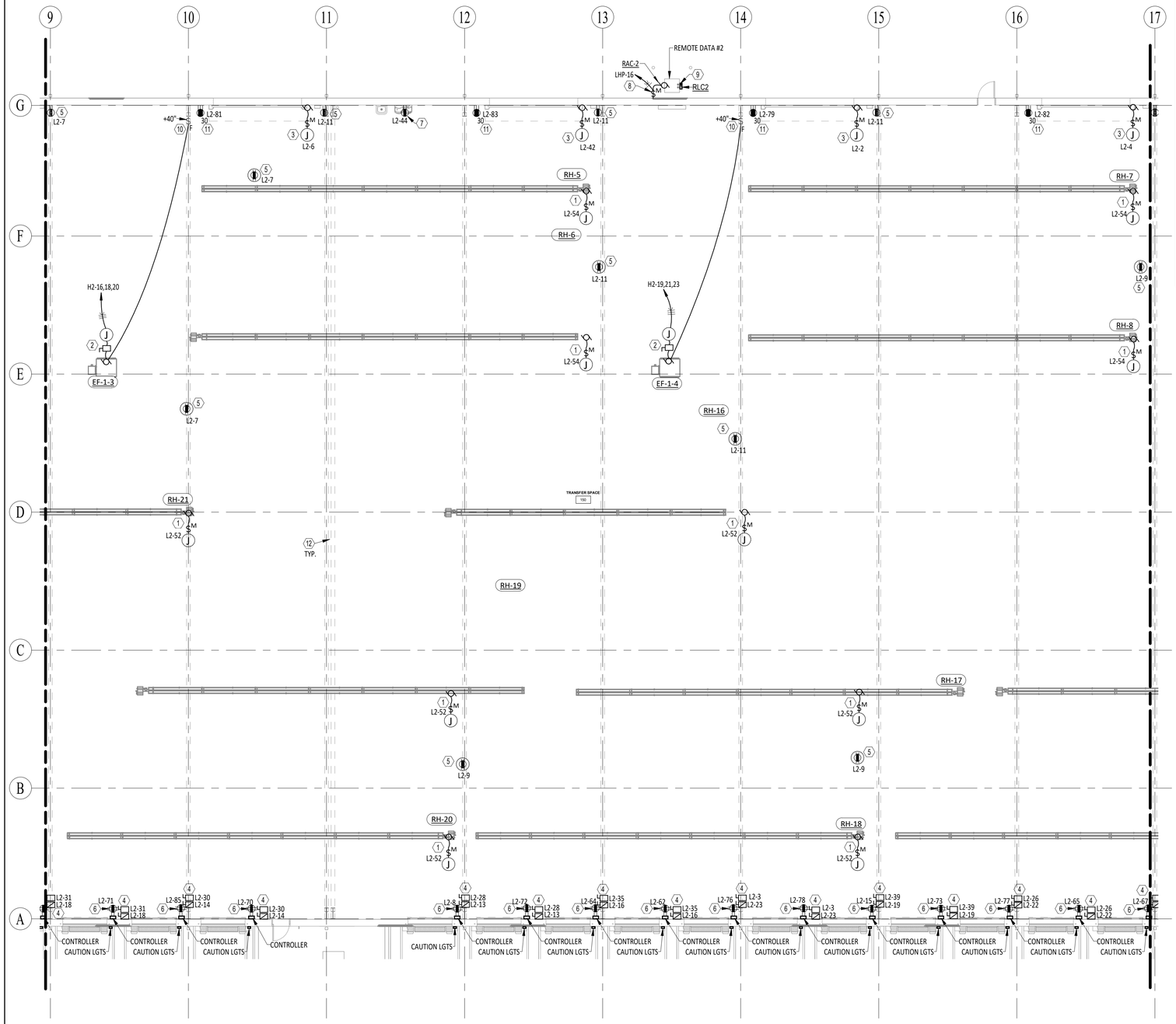

SECTOR J3

DRAWING DESCRIPTION:

**AREA A POWER PLAN**

SHEET NO.

**EP-1-02**




# 1 POWER PLAN - AREA B

**SCALE: 3/32" = 1'-0"**

## GENERAL SHEET NOTES

A. REFER TO SHEET E-0-02 FOR GENERAL ELECTRICAL NOTES THAT SHALL APPLY TO ALL SHEETS IN THIS SET UNLESS NOTED OTHERWISE IN THE KEYNOTES.

B. RECEPTACLES SHALL BE FLUSH MOUNTED 18" ABOVE FINISHED FLOOR UNLESS SPECIFIED OTHERWISE.

C. COORDINATE EQUIPMENT LOCATIONS WITH ALL OTHER DISCIPLINES PRIOR TO INSTALLATION AND CONNECTION TO EQUIPMENT.

D. REFER TO E-5-01 SERIES SHEETS FOR ELECTRICAL DETAILS AND E-6-02 & E-6-03 SHEETS FOR PANELBOARD SCHEDULES.

E. ABOVE-COUNTER RECEPTACLES SHALL BE MOUNTED SUCH THAT CENTER OF BOX IS AT LEAST 8" ABOVE COUNTER TO ENSURE FACEPLATE IS UNOBSTRUCTED BY COUNTER BACKSPLASH. VERIFY RECEPTACLE ENCLOSURE HEIGHT WITH ARCHITECTURAL DETAILS BEFORE ROUGH-IN.

F. ALL WORK SHALL BE ARRANGED IN A NEAT WELL ORGANIZED MANNER. ALL SERVICES SHALL BE ROUTED PARALLEL AND PERPENDICULAR TO THE PRIMARY LINES OF THE BUILDING.

G. PROVIDE CODE AND MANUFACTURER REQUIRED SERVICE CLEARANCES.

H. SEAL ALL ENCLOSURE PENETRATIONS TO THEY ARE WATER AND AIR TIGHT THROUGHOUT.

I. ALL EQUIPMENT DISCONNECTS SHALL BE LOCATED IN ACCESSIBLE LOCATION WITHIN SIGHT OF THE EQUIPMENT BEING FED.

## KEYED NOTES

1. PROVIDE CIRCUITING FOR UNIT HEATER AS INDICATED. TERMINATE TO MANUFACTURER PROVIDED DISCONNECT. SEE MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.

2. 30A/3P/N1 DISCONNECT FOR EXHAUST FAN SHOWN. MOUNT DISCONNECT ON STRUCTURE IN ACCESSIBLE LOCATION NEXT TO EXHAUST FAN. SEE MECHANICAL SCHEDULES FOR ADDITIONAL INFORMATION.

3. PROVIDE MOTOR RATED SWITCH AS DISCONNECT FOR OVERHEAD ROLL-UP DOOR SHOWN. MOUNT SWITCH ON WALL IN ACCESSIBLE LOCATION NEXT TO MOTOR AND CIRCUIT AS INDICATED. MAKE ALL ELECTRICAL CONNECTIONS AS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM.

4. PROVIDE 30A/2P/N3R OSHA REGULATION 1910.147 APPROVED LOCKOUT DISCONNECT FOR RITE-HITE VBR-300 DOK-LOK VEHICLE RESTRAINT. PROVIDE 30A/2P/10AF/N3R OSHA REGULATION 1910.147 APPROVED LOCKOUT FUSED DISCONNECT FOR RITE-HITE RHE3 SERIES DOCK LEVELER (DOCK LEVELER, VEHICLE RESTRAINT AND DOK-COMMANDER CONTROLLER BY OTHERS). INSTALL DOK-COMMANDER CONTROLLER TO INTERFACE WITH DOCK LEVELER AND VEHICLE RESTRAINT SYSTEM. INSTALL CAUTION LIGHTS ON OUTSIDE WALL AS SHOWN. PROVIDE ALL COMPONENTS AND ACCESSORIES REQUIRED FOR COMPLETE FULLY FUNCTIONING SYSTEM. MAKE ALL ELECTRICAL CONNECTIONS AS REQUIRED. CIRCUIT AS INDICATED.

5. PROVIDE 120V CONVENIENCE GFCI RECEPTACLE ABOVE CEILING MOUNTED TO STRUCTURE OR WALL TO SERVE NEARBY EQUIPMENT. ENSURE RECEPTACLE IS WITHIN 25FT OF EQUIPMENT BEING SERVED.

6. PROVIDE 120V RECEPTACLE FOR SWING LIGHTS. MOUNT AT 80" A.A.F.

7. PROVIDE 120V RECEPTACLE FOR 'WATER COOLER'. COORDINATE EXACT LOCATION OF RECEPTACLE WITH MANUFACTURERS SPECIFICATIONS BEFORE ROUGH-IN. RECEPTACLE SHALL BE PROTECTED AT PANELBOARD WITH GFCI CIRCUIT BREAKER FOR CIRCUIT INDICATED. SEE PANEL SCHEDULE FOR MORE INFORMATION.

8. PROVIDE 120V MOTOR RATED SWITCH WITH N3R ENCLOSURE AND COVER FOR DD8 UNLIMITED T-SERIES COMPACT OUTDOOR AIR CONDITIONER OR EQUAL (BY OTHERS) AS A DISCONNECTING MEANS. PROVIDE WIRE AND CONDUIT TO MAKE ALL ELECTRICAL CONNECTIONS AS REQUIRED. SEE TELECOM DRAWINGS FOR INFORMATION. COORDINATE WITH TELECOM CONTRACTOR FOR EXACT LOCATION OF EQUIPMENT BEFORE ROUGH-IN. CIRCUIT AS INDICATED.

9. PROVIDE AND ATTACH PANELBOARD TO TELECOM ENCLOSURE CABINET SHOWN. COORDINATE WITH TELECOM CONTRACTOR FOR EXACT LOCATION OF EQUIPMENT BEFORE ROUGH-IN. CIRCUIT AS INDICATED.

10. INSTALL FAN CONTROL SWITCH (BY OTHERS) FOR MANUAL 'ON/OFF' OF EXHAUST FAN SHOWN. FAN SWITCH TO WORK IN CONJUNCTION WITH CO2 SENSOR PROVIDED BY MECHANICAL CONTRACTOR. MOUNT SWITCH ON STRUCTURE IN ACCESSIBLE LOCATION. SEE MECHANICAL CONTROLS SHEETS AND SCHEDULES FOR ADDITIONAL INFORMATION. COORDINATE WITH MECHANICAL CONTRACTOR EXACT LOCATION OF FAN SWITCH. PROVIDE ALL ACCESSORIES AS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM WHEN COMPLETE.

11. PROVIDE NEMA 5-30P FOR VENDOR PROVIDED DRIVE OVER SCALES.

12. PROVIDE EXPANSIONS JOINT FITTINGS FOR CONDUIT CROSSING PEMB BUILDING EXPANSION JOINT SHOWN. SEE DIVISION 26 SPECIFICATIONS FOR MORE INFORMATION.

PLAN NORTH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STATE OF TEXAS
SHARON S. BICKFORD
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08/02/2021

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

AUS CARGO DEVELOPMENT
EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No.:L13189.026 | Permit Issue No.:000000 | AIP/CNtr.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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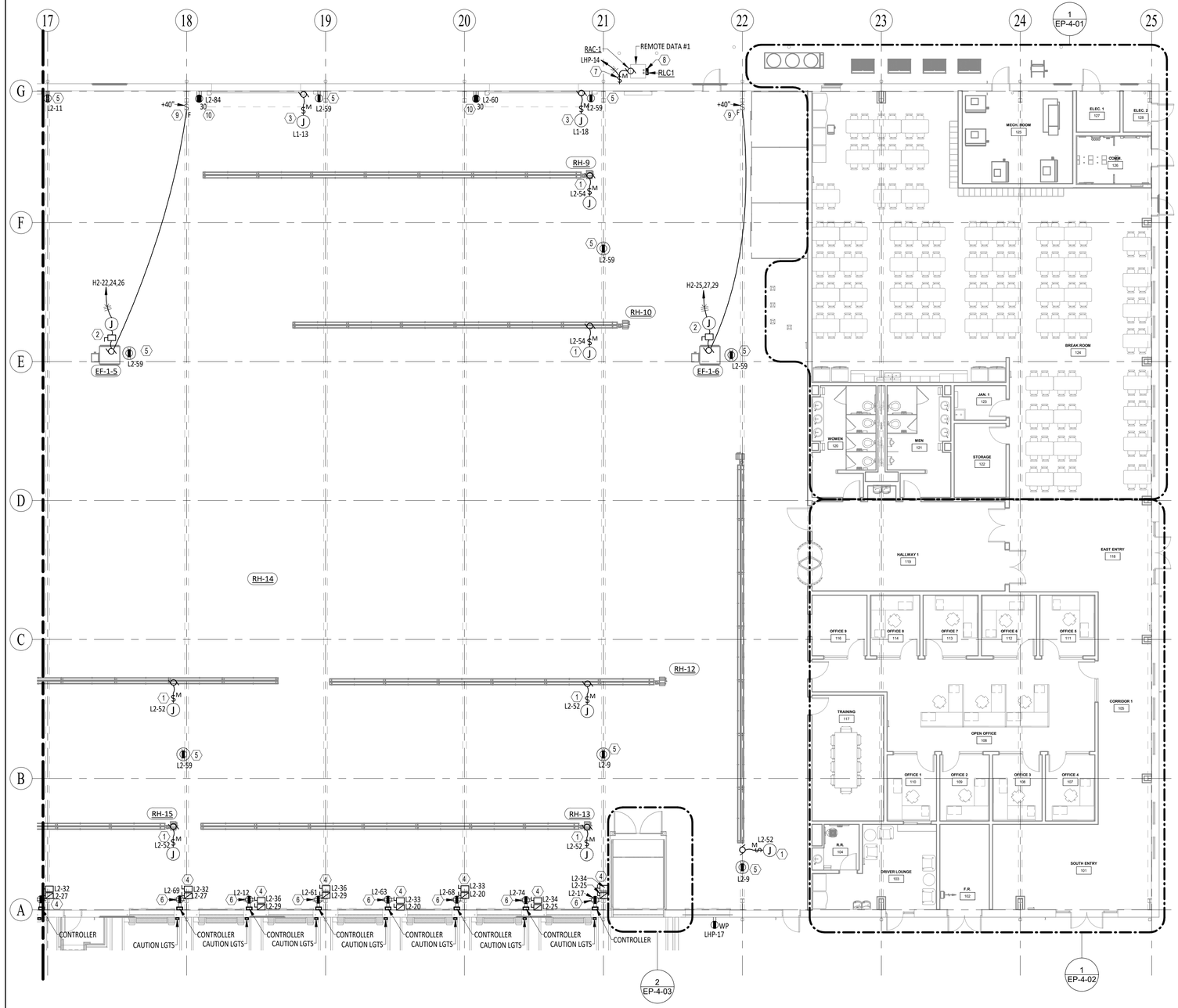
KEY MAP — B — SECTOR J3

DRAWING DESCRIPTION:

**AREA B POWER PLAN**

SHEET NO.

**EP-1-03**




# 1 POWER PLAN - AREA C

**SCALE: 3/32" = 1'-0"**

## GENERAL SHEET NOTES

A. REFER TO SHEET E-0-02 FOR GENERAL ELECTRICAL NOTES THAT SHALL APPLY TO ALL SHEETS IN THIS SET UNLESS NOTED OTHERWISE IN THE KEYNOTES.

B. RECEPTACLES SHALL BE FLUSH MOUNTED 18" ABOVE FINISHED FLOOR UNLESS SPECIFIED OTHERWISE.

C. COORDINATE EQUIPMENT LOCATIONS WITH ALL OTHER DISCIPLINES PRIOR TO INSTALLATION AND CONNECTION TO EQUIPMENT.

D. REFER TO E-5-01 SERIES SHEETS FOR ELECTRICAL DETAILS AND E-6-02 & E-6-03 SHEETS FOR PANELBOARD SCHEDULES.

E. ABOVE-COUNTER RECEPTACLES SHALL BE MOUNTED SUCH THAT CENTER OF BOX IS AT LEAST 8" ABOVE COUNTER TO ENSURE FACEPLATE IS UNOBSTRUCTED BY COUNTER BACKSPLASH. VERIFY RECEPTACLE ENCLOSURE HEIGHT WITH ARCHITECTURAL DETAILS BEFORE ROUGH-IN.

F. ALL WORK SHALL BE ARRANGED IN A NEAT WELL ORGANIZED MANNER. ALL SERVICES SHALL BE ROUTED PARALLEL AND PERPENDICULAR TO THE PRIMARY LINES OF THE BUILDING.

G. PROVIDE CODE AND MANUFACTURER REQUIRED SERVICE CLEARANCES.

H. SEAL ALL ENCLOSURE PENETRATIONS TO THEY ARE WATER AND AIR TIGHT THROUGHOUT.

I. ALL EQUIPMENT DISCONNECTS SHALL BE LOCATED IN ACCESSIBLE LOCATION WITHIN SIGHT OF THE EQUIPMENT BEING FED.

## KEYED NOTES

1. PROVIDE CIRCUITING FOR UNIT HEATER AS INDICATED. TERMINATE TO MANUFACTURER PROVIDED DISCONNECT. SEE MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.

2. 30A/3P/N1 DISCONNECT FOR EXHAUST FAN SHOWN. MOUNT DISCONNECT ON STRUCTURE IN ACCESSIBLE LOCATION NEXT TO EXHAUST FAN. SEE MECHANICAL SCHEDULES FOR ADDITIONAL INFORMATION.

3. PROVIDE MOTOR RATED SWITCH AS DISCONNECT FOR OVERHEAD ROLL-UP DOOR SHOWN. MOUNT SWITCH ON WALL IN ACCESSIBLE LOCATION NEXT TO MOTOR AND CIRCUIT AS INDICATED. MAKE ALL ELECTRICAL CONNECTIONS AS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM.

4. PROVIDE 30A/2P/N3R OSHA REGULATION 1910.147 APPROVED LOCKOUT DISCONNECT FOR RITE-HITE VBR-300 DOK-LOK VEHICLE RESTRAINT. PROVIDE 30A/2P/10AF/N3R OSHA REGULATION 1910.147 APPROVED LOCKOUT FUSED DISCONNECT FOR RITE-HITE RHE3 SERIES DOCK LEVELER (DOCK LEVELER, VEHICLE RESTRAINT AND DOK-COMMANDER CONTROLLER BY OTHERS). INSTALL DOK-COMMANDER CONTROLLER TO INTERFACE WITH DOCK LEVELER AND VEHICLE RESTRAINT SYSTEM. INSTALL CAUTION LIGHTS ON OUTSIDE WALL AS SHOWN. PROVIDE ALL COMPONENTS AND ACCESSORIES REQUIRED FOR COMPLETE FULLY FUNCTIONING SYSTEM. MAKE ALL ELECTRICAL CONNECTIONS AS REQUIRED. CIRCUIT AS INDICATED.

5. PROVIDE 120V CONVENIENCE GFCI RECEPTACLE ABOVE CEILING MOUNTED TO STRUCTURE OR WALL TO SERVE NEARBY EQUIPMENT. ENSURE RECEPTACLE IS WITHIN 25FT OF EQUIPMENT BEING SERVED.

6. PROVIDE 120V RECEPTACLE FOR SWING LIGHTS. MOUNT AT 80" A.F.F.

7. PROVIDE 120V MOTOR RATED SWITCH WITH N3R ENCLOSURE AND COVER FOR DDB UNLIMITED T-SERIES COMPACT OUTDOOR AIR CONDITIONER OR EQUAL (BY OTHERS) AS A DISCONNECTING MEANS. PROVIDE WIRE AND CONDUIT TO MAKE ALL ELECTRICAL CONNECTIONS AS REQUIRED. SEE TELECOM DRAWINGS FOR INFORMATION. COORDINATE WITH TELECOM CONTRACTOR FOR EXACT LOCATION OF EQUIPMENT BEFORE ROUGH-IN. CIRCUIT AS INDICATED.

8. PROVIDE AND ATTACH PANELBOARD TO TELECOM ENCLOSURE CABINET SHOWN. COORDINATE WITH TELECOM CONTRACTOR FOR EXACT LOCATION OF EQUIPMENT BEFORE ROUGH-IN. CIRCUIT AS INDICATED.

9. INSTALL FAN CONROL SWITCH (BY OTHERS) FOR MANUAL 'ON/OFF' OF EXHAUST FAN SHOWN. FAN SWITCH TO WORK IN CONJUCTION WITH CO2 SENSOR PROVIDED BY MECHANICAL CONTRACTOR. MOUNT SWITCH ON STRUCTURE IN ACCESSIBLE LOCATION. SEE MECHANICAL CONTROLS SHEETS AND SCHEDULES FOR ADDITIONAL INFORMATION. COORDINATE WITH MECHANICAL CONTRACTOR EXACT LOCATION OF FAN SWITCH. PROVIDE ALL ACCESSORIES AS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM WHEN COMPLETE.

10. PROVIDE NEMA 5-30P FOR VENDOR PROVIDED DRIVE OVER SCALES.

PLAN NORTH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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No.:L13189.026 | Permit Issue No.:00000 | AIP/CNss.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| DATE: | 02AUG21 | | | | |
| SCALE: | 3/32"=1'-0" | No. | Date | Description | By |

KEY MAP — C — SECTOR J3

DRAWING DESCRIPTION:

**AREA C POWER PLAN**

SHEET NO.

**EP-1-04**

## GENERAL SHEET NOTES

A. REFER TO SHEET E-0-02 FOR GENERAL ELECTRICAL NOTES THAT SHALL APPLY TO ALL SHEETS IN THIS SET UNLESS NOTED OTHERWISE IN THE KEYNOTES.

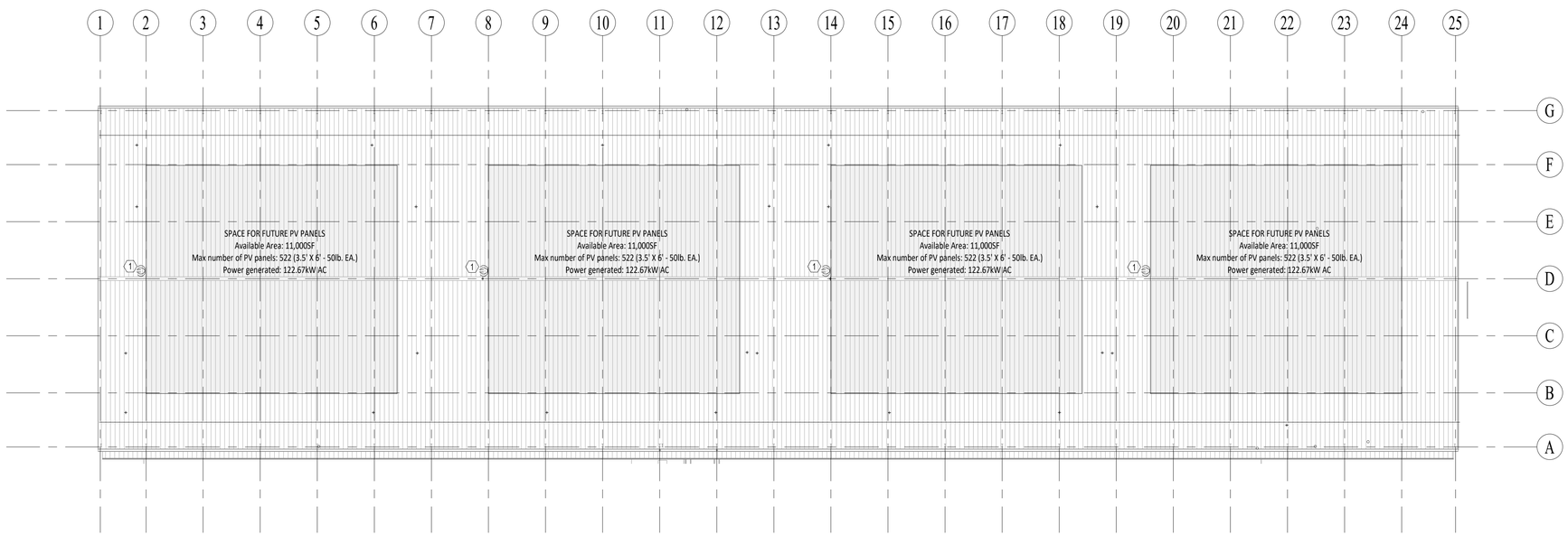
B. COORDINATE EQUIPMENT LOCATIONS WITH ALL OTHER DISCIPLINES PRIOR TO INSTALLATION AND CONNECTION TO EQUIPMENT.

C. REFER TO E-2-02 FOR ELECTRICAL DETAILS AND E-6-03 & E-6-04 SHEETS FOR PANELBOARD SCHEDULES.

D. CONTRACTOR SHALL COORDINATE TO PROVIDE A MINIMUM 2'-0" CLEARANCE AROUND ANY NEW PENETRATIONS AND WALLS AS REQUIRED FOR THE PROJECT. IF CONFLICT WITH THIS REQUIREMENT ARISES, CONTRACTOR IS RESPONSIBLE FOR NOTIFYING ARCHITECT / ENGINEER.

## KEYED NOTES

1. PROVIDE AND ROUTE 2-4" CONDUIT CLOSE TO STRUCTURE FROM SOLAR WIREWAY TO STUB-UPS ON ROOF FOR FUTURE PV AND CAP. COORDINATE WITH ARCHITECT AND ROOFING CONTRACTOR FOR EXACT LOCATION OF PENERTRATIONS. SEE ARCHIECTURAL DETAILS FOR PENATRATION AND FLASHING REQUIREMENTS.




**1** **ELECTRICAL ROOF PLAN OVERALL**

**SCALE: 1" = 30'-0"**

PLAN NORTH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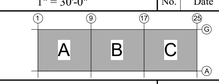
KEY MAP



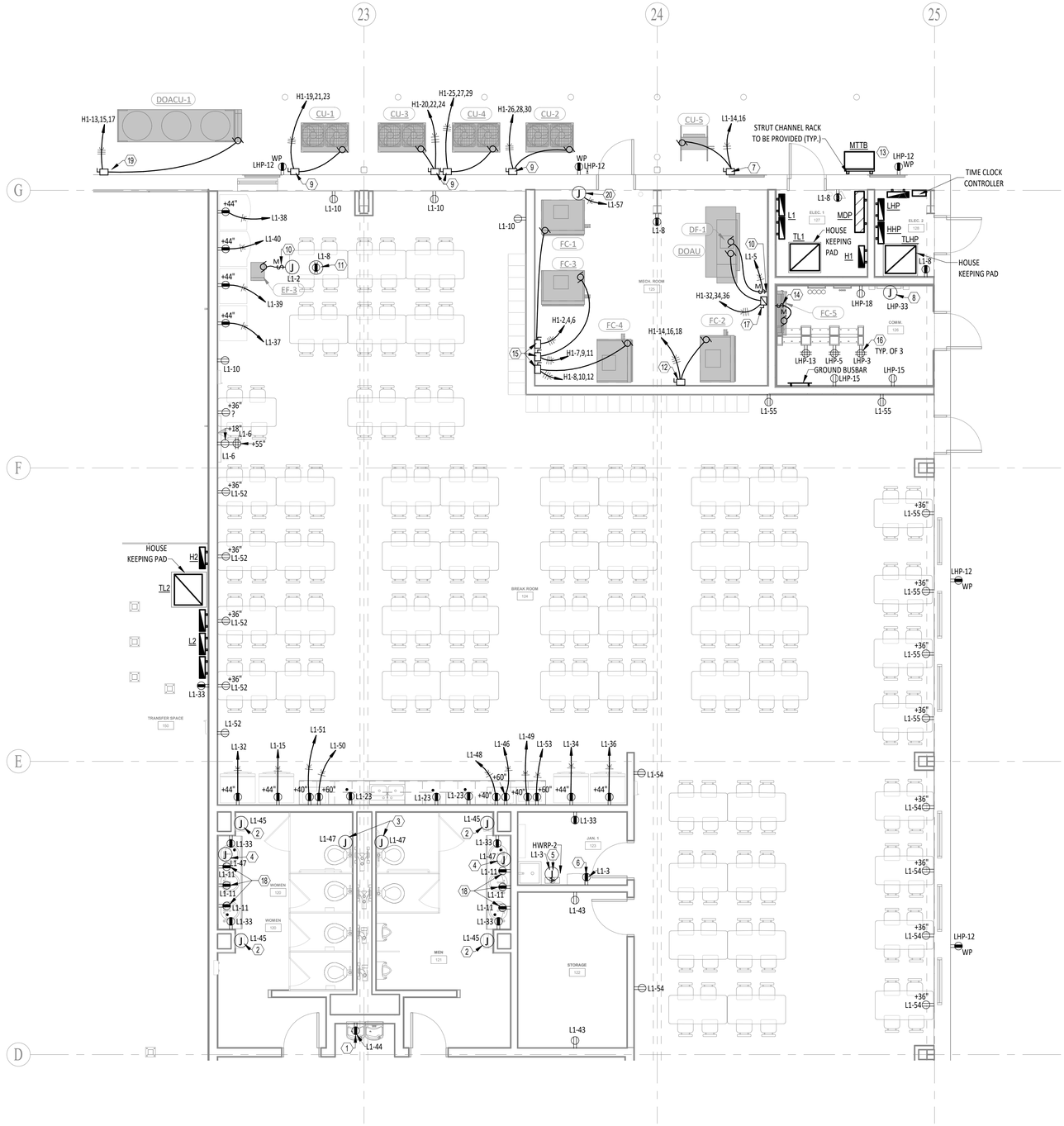

SECTOR J3

DRAWING DESCRIPTION:

**ELECTRICAL POWER ROOF**

SHEET NO.

**EP-1-05**




# 1 ENLARGED POWER PLAN - OFFICE NORTH

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

## GENERAL SHEET NOTES

A. REFER TO SHEET E-0-02 FOR GENERAL ELECTRICAL NOTES THAT SHALL APPLY TO ALL SHEETS IN THIS SET UNLESS NOTED OTHERWISE IN THE KEYNOTES.

B. RECEPTACLES SHALL BE FLUSH MOUNTED 18" ABOVE FINISHED FLOOR UNLESS SPECIFIED OTHERWISE.

C. COORDINATE EQUIPMENT LOCATIONS WITH ALL OTHER DISCIPLINES PRIOR TO INSTALLATION AND CONNECTION TO EQUIPMENT.

D. REFER TO E-5-03 SERIES SHEETS FOR ELECTRICAL DETAILS AND E-6-02 & E-6-03 SHEETS FOR PANELBOARD SCHEDULES.

## KEYED NOTES

1. PROVIDE 120V RECEPTACLE FOR 'WATER COOLER'. COORDINATE EXACT LOCATION OF RECEPTACLE WITH MANUFACTURERS SPECIFICATIONS BEFORE ROUGH-IN. RECEPTACLE SHALL BE PROTECTED AT PANELBOARD WITH GFCI CIRCUIT BREAKER FOR CIRCUIT INDICATED. SEE PANEL SCHEDULE FOR MORE INFORMATION.

2. PROVIDE 120V POWER TO JUNCTION BOX SHOWN FOR 'PAPER TOWER DISPENSER'. SEE ARCHITECTURAL DRAWINGS FOR EXACT HEIGHT AND LOCATION OF EQUIPMENT BEFORE ROUGH-IN. CIRCUIT AS INDICATED.

3. PROVIDE 120V POWER TO JUNCTION BOX FOR 'WATER CLOSET FLUSH VALVES (WC-1 & WC-2) AND URINAL FLUSH VALVES (U-1)' LOW VOLTAGE TRANSFORMER (BY OTHERS). COORDINATE EXACT QUANTITY AND LOCATION OF JUNCTION BOX(ES) WITH PLUMBING CONTRACTOR AND MANUFACTURERS SPECIFICATIONS BEFORE ROUGH-IN. SEE PLUMBING SCHEDULES FOR MORE INFORMATION. CIRCUIT AS INDICATED. MAKE ALL ELECTRICAL CONNECTIONS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM.

4. PROVIDE 120V POWER TO UNDER COUNTER JUNCTION BOX FOR 'SINK VALVE SENSORS (L-1)' LOW VOLTAGE TRANSFORMER (BY OTHERS). COORDINATE EXACT QUANTITY AND LOCATION OF JUNCTION BOX(ES) WITH PLUMBING CONTRACTOR AND MANUFACTURERS SPECIFICATIONS BEFORE ROUGH-IN. SEE PLUMBING SCHEDULES FOR MORE INFORMATION. CIRCUIT AS INDICATED. MAKE ALL ELECTRICAL CONNECTIONS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM.

5. PROVIDE 120V POWER TO JUNCTION BOX FOR HOT WATER RECIRCULATING PUMP 'HWRP-1'. CIRCUIT AS INDICATED.

6. PROVIDE 120V GFCI RECEPTACLE FOR WATER HEATER 'WH-1'. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR BEFORE ROUGH-IN. CIRCUIT AS INDICATED.

7. PROVIDE 30A/2P/N3R DISCONNECT SWITCH FOR MECHANICAL UNIT. CIRCUIT AS INDICATED.

8. PROVIDE 120V POWER TO JUNCTION BOX FOR ACCESS CONTROL WALL FIELD. SEE TELECOM DRAWINGS FOR MORE INFORMATION.

9. PROVIDE 60A/3P/N3R DISCONNECT SWITCH FOR MECHANICAL UNIT. CIRCUIT AS INDICATED.

10. PROVIDE MOTOR RATED SWITCH MOUNTED ON STRUCTURE FOR DISCONNECTING MEANS. CIRCUIT AS INDICATED.

11. PROVIDE 120V CONVENIENCE GFCI RECEPTACLE ABOVE CEILING MOUNTED TO STRUCTURE OR WALL TO SERVE NEARBY EQUIPMENT. ENSURE RECEPTACLE IS WITHIN 25FT OF EQUIPMENT BEING SERVED.

12. PROVIDE 60A/3P/N1 DISCONNECT SWITCH FOR MECHANICAL UNIT AUX. HEATER. CIRCUIT AS INDICATED. SEE E-6-03 ELECTRICAL PANEL SCHEDULES FOR MORE INFORMATION.

13. PROVIDE MANUAL TRANSFER TAP BOX, ADVANCED POWER TECHNOLOGIES (APT) MODEL# WM2-MT WITH GQC TAP BOX WALL MOUNT TO PAD MOUNT CONVERSION KIT OR EQUAL, AND LOCATE AS CLOSE TO EXTERIOR WALL AS POSSIBLE. SEE E-6-02 ONE LINE DIAGRAM FOR ADDITIONAL INFORMATION.

14. PROVIDE MOTOR RATED SWITCH TO PROVIDE DISCONNECT FOR MECHANICAL UNIT SHOWN. MOUNT SWITCH ON STRUCTURE IN ACCESSIBLE LOCATION NEXT TO MECHANICAL UNIT. REFER TO MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.

15. PROVIDE 30A/3P/N1 DISCONNECT SWITCH FOR MECHANICAL UNIT. CIRCUIT AS INDICATED. SEE E-6-03 ELECTRICAL PANEL SCHEDULES FOR MORE INFORMATION.

16. PROVIDE 120V/20A QUAD FOR EACH RACK. LOCATE ABOVE WIRE MANAGER AND BELOW WIRE TRAY. SEE TELECOM DRAWINGS FOR MORE INFORMATION.

17. PROVIDE 60A/3P/40AF/N3R DISCONNECT SWITCH FOR MECHANICAL UNIT. CIRCUIT AS INDICATED.

18. PROVIDE 120V POWER TO UNDER COUNTER RECEPTACLE FOR 'SOAP DISPENSER UNIT' (BY OTHERS). COORDINATE LOCATION OF RECEPTACLE WITH ARCHITECT AND MANUFACTURERS SPECIFICATIONS BEFORE ROUGH-IN. SEE ARCHITECTURAL SCHEDULES FOR MORE INFORMATION. CIRCUIT AS INDICATED. MAKE ALL ELECTRICAL CONNECTIONS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM.

19. PROVIDE 30A/3P/N3R DISCONNECT SWITCH FOR MECHANICAL UNIT. CIRCUIT AS INDICATED.

20. PROVIDE 120V POWER TO JUNCTION BOX FOR TRAP PRIMER ASSEMBLY. COORDINATE WITH PLUMBING CONTRACTOR EXACT LOCATION OF ASSEMBLY BOX BEFORE ROUGH-IN. MAKE ALL ELECTRICAL CONNECTIONS AS REQUIRED. SEE PLUMBING SCHEDULES FOR MORE INFORMATION.

PLAN NORTH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STATE OF TEXAS
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LICENSED PROFESSIONAL ENGINEER
08/02/2021

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No.:L13189.026 | Permit Issue No.:000000 | AIP/CNSs.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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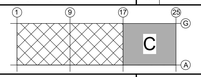
| FILE NAME: | L13189.026-EP-4-01.dwg | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | 3/16"=1'-0" | No. | Date | Description | By |

KEY MAP



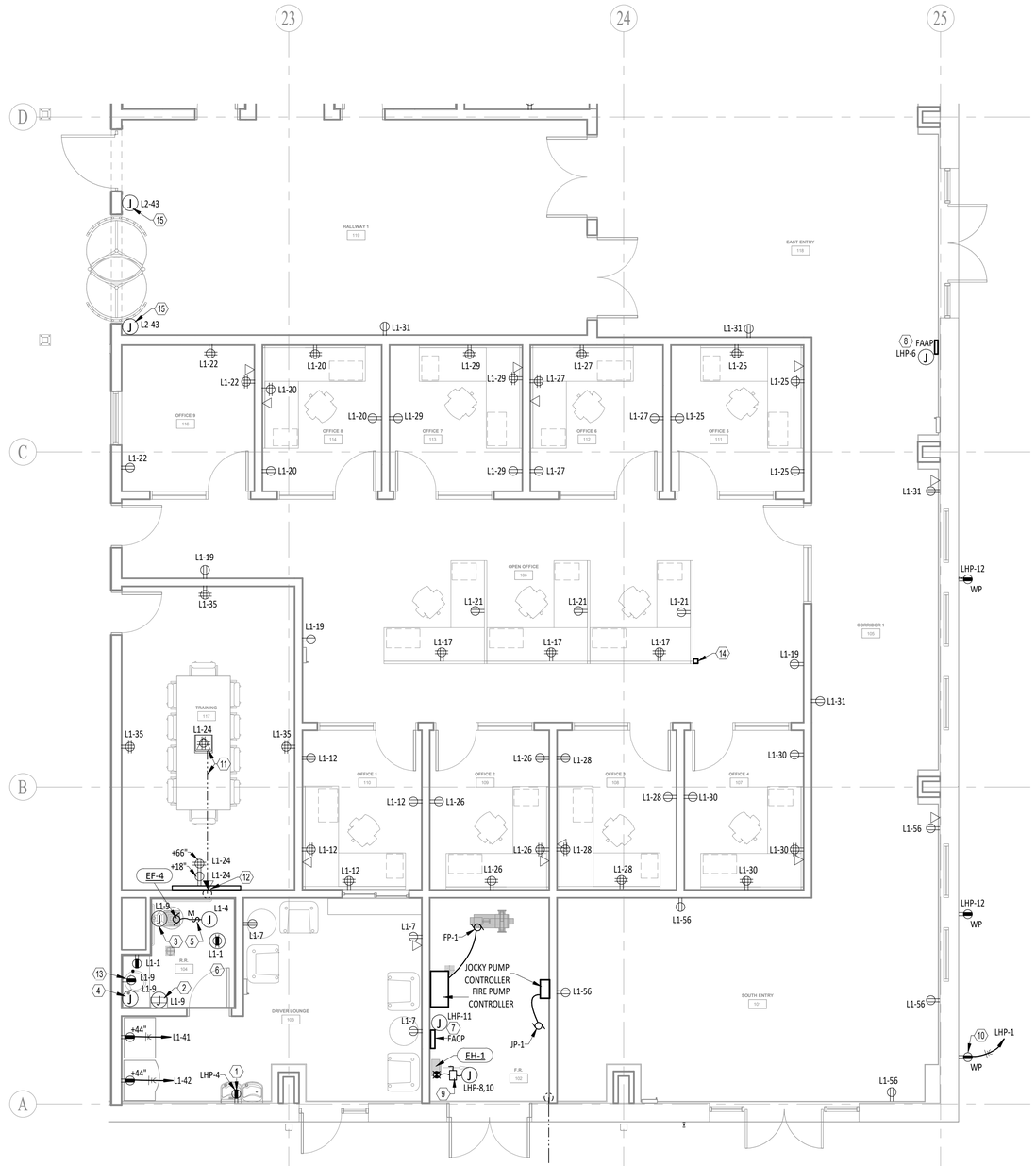

SECTOR J3

DRAWING DESCRIPTION:

**ELECTRICAL ENLARGED PLAN**

SHEET NO.

**EP-4-01**




# 1 ENLARGED POWER PLAN - OFFICE SOUTH

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

## GENERAL SHEET NOTES

A. REFER TO SHEET E-0-02 FOR GENERAL ELECTRICAL NOTES THAT SHALL APPLY TO ALL SHEETS IN THIS SET UNLESS NOTED OTHERWISE IN THE KEYNOTES.

B. RECEPTACLES SHALL BE FLUSH MOUNTED 18" ABOVE FINISHED FLOOR UNLESS SPECIFIED OTHERWISE.

C. COORDINATE EQUIPMENT LOCATIONS WITH ALL OTHER DISCIPLINES PRIOR TO INSTALLATION AND CONNECTION TO EQUIPMENT.

D. REFER TO E-5-03 SERIES SHEETS FOR ELECTRICAL DETAILS AND E-6-02 & E-6-03 SHEETS FOR PANELBOARD SCHEDULES.

## KEYED NOTES

1. PROVIDE 120V RECEPTACLE FOR 'WATER COOLER'. COORDINATE EXACT LOCATION OF RECEPTACLE WITH MANUFACTURERS SPECIFICATIONS BEFORE ROUGH-IN. RECEPTACLE SHALL BE PROTECTED AT PANELBOARD WITH GFCI CIRCUIT BREAKER FOR CIRCUIT INDICATED. SEE PANEL SCHEDULE FOR MORE INFORMATION.

2. PROVIDE 120V POWER TO JUNCTION BOX SHOWN FOR 'PAPER TOWER DISPENSER'. SEE ARCHITECTURAL DRAWINGS FOR EXACT HEIGHT AND LOCATION OF EQUIPMENT BEFORE ROUGH-IN. CIRCUIT AS INDICATED.

3. PROVIDE 120V POWER TO JUNCTION BOX FOR 'WATER CLOSET FLUSH VALVES (WC-1 & WC-2) AND URINAL FLUSH VALVES (U-1)' LOW VOLTAGE TRANSFORMER (BY OTHERS). COORDINATE EXACT QUANTITY AND LOCATION OF JUNCTION BOX(ES) WITH PLUMBING CONTRACTOR AND MANUFACTURERS SPECIFICATIONS BEFORE ROUGH-IN. SEE PLUMBING SCHEDULES FOR MORE INFORMATION. CIRCUIT AS INDICATED. MAKE ALL ELECTRICAL CONNECTIONS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM.

4. PROVIDE 120V POWER TO UNDER COUNTER JUNCTION BOX FOR 'SINK VALVE SENSORS (L-1)' LOW VOLTAGE TRANSFORMER (BY OTHERS). COORDINATE EXACT QUANTITY AND LOCATION OF JUNCTION BOX(ES) WITH PLUMBING CONTRACTOR AND MANUFACTURERS SPECIFICATIONS BEFORE ROUGH-IN. SEE PLUMBING SCHEDULES FOR MORE INFORMATION. CIRCUIT AS INDICATED. MAKE ALL ELECTRICAL CONNECTIONS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM.

5. PROVIDE MOTOR RATED SWITCH MOUNTED ON STRUCTURE FOR DISCONNECTING MEANS. CIRCUIT AS INDICATED.

6. PROVIDE 120V CONVENIENCE GFCI RECEPTACLE ABOVE CEILING MOUNTED TO STRUCTURE OR WALL TO SERVE NEARBY EQUIPMENT. ENSURE RECEPTACLE IS WITHIN 25FT OF EQUIPMENT BEING SERVED.

7. PROVIDE 120V POWER TO WALL MOUNTED JUNCTION BOX FOR 'FIRE ALARM CONTROL PANEL (FACP)'. COORDINATE EXACT LOCATION OF JUNCTION BOX WITH FIRE ALARM CONTRACTOR AND MANUFACTURERS SPECIFICATIONS BEFORE ROUGH-IN. SEE 'F' SERIES SHEETS FOR MORE INFORMATION. CIRCUIT AS INDICATED. MAKE ALL ELECTRICAL CONNECTIONS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM.

8. PROVIDE 120V POWER TO WALL MOUNTED JUNCTION BOX FOR 'FIRE ALARM ANNUNCIATOR PANEL (FAAP)'. COORDINATE EXACT LOCATION OF JUNCTION BOX WITH FIRE ALARM CONTRACTOR AND MANUFACTURERS SPECIFICATIONS BEFORE ROUGH-IN. SEE 'F' SERIES SHEETS FOR MORE INFORMATION. CIRCUIT AS INDICATED. MAKE ALL ELECTRICAL CONNECTIONS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM.

9. PROVIDE 2P/30A/N1 DISCONNECT SWITCH FOR HEATER 'EH-1' MOUNTED ON STRUCTURE FOR DISCONNECTING MEANS. CIRCUIT AS INDICATED.

10. PROVIDE 120V WEATHER RESISTANT RECEPTACLE WITH WATER PROOF IN-USE COVER FOR IRRIGATION CONTROLLER. COORDINATE WITH LANDSCAPE CONTRACTOR EXACT LOCATION OF CONTROLLER BEFORE ROUGH-IN. SEE LANDSCAPE DRAWINGS FOR MORE INFORMATION.

11. INSTALL FLOOR BOX AND COVER PROVIDED BY TELECOM CONTRACTOR. PROVIDE ALL OTHER MATERIALS FOR INSTALLATION. SEE TA-5-02 AUDIO VISUAL FLOOR PENETRATION DETAILS FOR MORE INFORMATION ON FLOOR BOX ROUGH-IN. COORDINATE FLOORBOX LOCATION WITH TELECOM CONTRACTOR BEFORE ROUGH-IN.

12. INSTALL CHIEF PAC S26FWP4 AND TRIM KIT (OR EQUAL) PROVIDED BY TELECOM CONTRACTOR. PROVIDE ALL OTHER MATERIALS FOR INSTALLATION. SEE TA-5-01 AUDIO VISUAL FLAT PANEL DISPLAY DETAILS FOR MORE INFORMATION. COORDINATE WITH TELECOM CONTRACTOR BEFORE ROUGH-IN.

13. PROVIDE 120V POWER TO UNDER COUNTER RECEPTACLE FOR 'SOAP DISPENSER UNIT' (BY OTHERS). COORDINATE LOCATION OF RECEPTACLE WITH ARCHITECT AND MANUFACTURERS SPECIFICATIONS BEFORE ROUGH-IN. SEE ARCHITECTURAL SCHEDULES FOR MORE INFORMATION. CIRCUIT AS INDICATED. MAKE ALL ELECTRICAL CONNECTIONS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM.

14. PROVIDE WIREMOLD 25DTC SERIES TELE-POWER POLE OR EQUAL TO SERVE POWER AND DATA REQUIREMENTS FOR THREE(3) DESKS SHOWN. COORDINATE POLE FINISH AND LOCATION WITH ARCHITECT. SEE TELECOM DRAWINGS FOR DATA REQUIREMENTS FOR POLE SIZING. COORDINATE WITH OWNER POWER AND CONNECTION REQUIREMENTS FOR FURNITURE SYSTEM BEFORE INSTALLATION. PROVIDE ALL REQUIRED ACCESSORIES FOR POLE AND RECEPTACLE(S) INSTALLATION. MAKE ALL ELECTRICAL CONNECTIONS AS REQUIRED.

15. PROVIDE 120V POWER TO JUNCTION BOX FOR TURNSTILE GATES. COORDINATE EXACT LOCATION OF JUNCTION BOX WITH GATE INSTALLATION CONTRACTOR AND MANUFACTURERS SPECIFICATIONS BEFORE ROUGH-IN. SEE ARCHITECTURAL FLOOR PLAN AND DETAILS FOR MORE INFORMATION. CIRCUIT AS INDICATED. MAKE ALL ELECTRICAL CONNECTIONS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM.

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STATE OF TEXAS
SHARON S. BICKFORD
77390
LICENSED PROFESSIONAL ENGINEER
08/02/2021

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No.:L13189.026 | Permit Issue No.:00000 | AIP/CNss.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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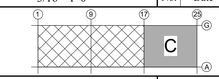
KEY MAP



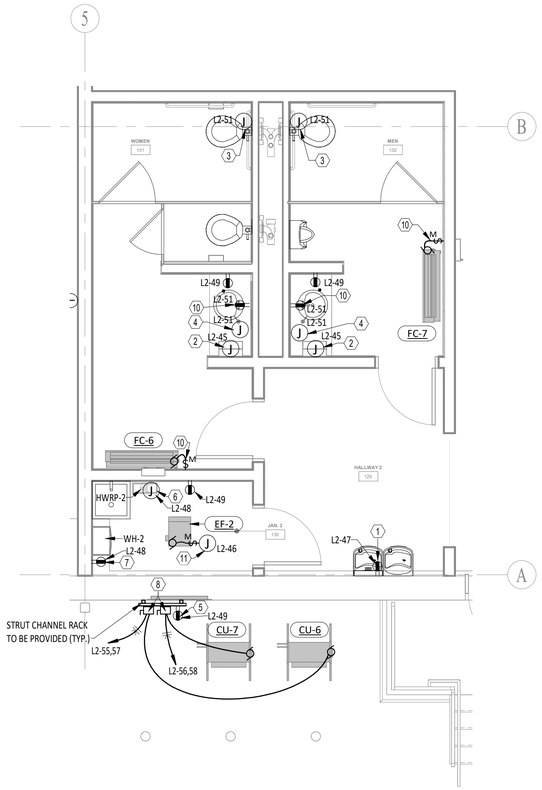

SECTOR J3

DRAWING DESCRIPTION:

**ELECTRICAL ENLARGED PLAN**

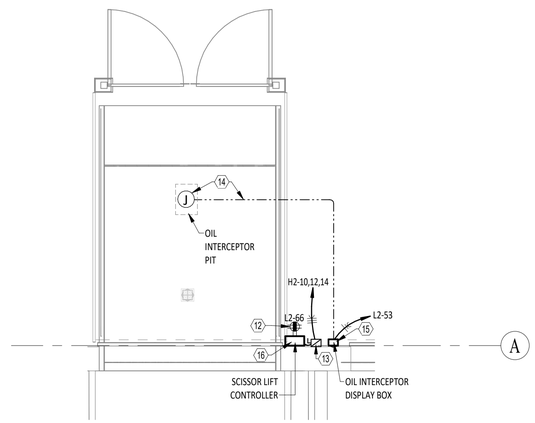
SHEET NO.

**EP-4-02**




## 1 ENLARGED POWER PLAN - AREA A

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




## 2 ENLARGED POWER PLAN - SCISSOR LIFT

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

## GENERAL SHEET NOTES

A. REFER TO SHEET E-0-02 FOR GENERAL ELECTRICAL NOTES THAT SHALL APPLY TO ALL SHEETS IN THIS SET UNLESS NOTED OTHERWISE IN THE KEYNOTES.

B. RECEPTACLES SHALL BE FLUSH MOUNTED 18" ABOVE FINISHED FLOOR UNLESS SPECIFIED OTHERWISE.

C. COORDINATE EQUIPMENT LOCATIONS WITH ALL OTHER DISCIPLINES PRIOR TO INSTALLATION AND CONNECTION TO EQUIPMENT.

D. REFER TO E-5-03 SERIES SHEETS FOR ELECTRICAL DETAILS AND E-6-02 & E-6-03 SHEETS FOR PANELBOARD SCHEDULES.

## KEYED NOTES

1. PROVIDE 120V RECEPTACLE FOR 'WATER COOLER'. COORDINATE EXACT LOCATION OF RECEPTACLE WITH MANUFACTURERS SPECIFICATIONS BEFORE ROUGH-IN. RECEPTACLE SHALL BE PROTECTED AT PANELBOARD WITH GFCI CIRCUIT BREAKER FOR CIRCUIT INDICATED. SEE PANEL SCHEDULE FOR MORE INFORMATION.

2. PROVIDE 120V POWER TO JUNCTION BOX SHOWN FOR 'PAPER TOWER DISPENSER'. SEE ARCHITECTURAL DRAWINGS FOR EXACT HEIGHT AND LOCATION OF EQUIPMENT BEFORE ROUGH-IN. CIRCUIT AS INDICATED.

3. PROVIDE 120V POWER TO JUNCTION BOX FOR 'WATER CLOSET FLUSH VALVES (WC-1 & WC-2) AND URINAL FLUSH VALVES (U-1)' LOW VOLTAGE TRANSFORMER (BY OTHERS). COORDINATE EXACT QUANTITY AND LOCATION OF JUNCTION BOX(ES) WITH PLUMBING CONTRACTOR AND MANUFACTURERS SPECIFICATIONS BEFORE ROUGH-IN. SEE PLUMBING SCHEDULES FOR MORE INFORMATION. CIRCUIT AS INDICATED. MAKE ALL ELECTRICAL CONNECTIONS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM.

4. PROVIDE 120V POWER TO UNDER COUNTER JUNCTION BOX FOR 'SINK VALVE SENSORS (L-1)' LOW VOLTAGE TRANSFORMER (BY OTHERS). COORDINATE EXACT QUANTITY AND LOCATION OF JUNCTION BOX(ES) WITH PLUMBING CONTRACTOR AND MANUFACTURERS SPECIFICATIONS BEFORE ROUGH-IN. SEE PLUMBING SCHEDULES FOR MORE INFORMATION. CIRCUIT AS INDICATED. MAKE ALL ELECTRICAL CONNECTIONS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM.

5. PROVIDE 120V CONVENIENCE GFCI RECEPTACLE ABOVE CEILING MOUNTED TO STRUCTURE OR WALL TO SERVE NEARBY EQUIPMENT. ENSURE RECEPTACLE IS WITHIN 25FT OF EQUIPMENT BEING SERVED.

6. PROVIDE 120V POWER TO JUNCTION BOX FOR HOT WATER RECIRCULATING PUMP 'HWRP-2'. CIRCUIT AS INDICATED.

7. PROVIDE 120V GFCI RECEPTACLE FOR WATER HEATER 'WH-2'. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR BEFORE ROUGH-IN. CIRCUIT AS INDICATED.

8. PROVIDE 30A/2P/N1 DISCONNECT SWITCH FOR MECHANICAL UNIT. CIRCUIT AS INDICATED.

9. PROVIDE MOTOR RATED SWITCH TO PROVIDE DISCONNECT FOR MECHANICAL UNIT SHOWN. MOUNT SWITCH ON STRUCTURE IN ACCESSIBLE LOCATION NEXT TO MECHANICAL UNIT. REFER TO MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.

10. PROVIDE 120V POWER TO UNDER COUNTER RECEPTACLE FOR 'SOAP DISPENSER UNIT' (BY OTHERS). COORDINATE LOCATION OF RECEPTACLE WITH ARCHITECT AND MANUFACTURERS SPECIFICATIONS BEFORE ROUGH-IN. SEE ARCHITECTURAL SCHEDULES FOR MORE INFORMATION. CIRCUIT AS INDICATED. MAKE ALL ELECTRICAL CONNECTIONS REQUIRED TO ENSURE A FULLY FUNCTIONING SYSTEM.

11. PROVIDE MOTOR RATED SWITCH AS DISCONNECT FOR MECHANICAL UNIT SHOWN. MOUNT SWITCH ON STRUCTURE IS ACCESSIBLE LOCATION NEXT TO MECHANICAL UNIT. SEE MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.

12. PROVIDE 120V RECEPTACLE FOR SWING LIGHTS. MOUNT AT 80" AAF.

13. PROVIDE 3P/30A/15AF/N3R DISCONNECT SWITCH FOR DOCK SCISSOR LIFT. CIRCUIT AS INDICATED.

14. PROVIDE 1-0" CONDUIT UNDERSLAB FOR OIL INTERCEPTOR SENSOR BOX CABLE (BY OTHERS). REFERENCE PLUMBING DETAILS FOR MORE INFORMATION. COORDINATE WITH AIR CARGO SCISSOR LIFT INSTALLER AND MANUFACTURER TO ENSURE PROPER CLEARENCES ARE MAINTAINED FOR SCISSOR LIFT OPERATION BEFORE ELECTRICAL ROUGH-IN OF CONDUIT.

15. PROVIDE 120V POWER TO OIL INTERCEPTOR DISPLAY BOX. MAKE REQUIRED ELECTRICAL CONNECTIONS TO ENSURE A FULLY FUNCTIONING SYSTEM. CIRCUIT AS INDICATED.

16. AIR CARGO SCISSOR LIFT, CONTROL PANEL AND ACCESSORIES (BY OTHERS). INSTALL CONTROL PANEL FOR AIR CARGO SCISSOR LIFT PER MANUFACTURERS INSTALLATION INSTRUCTIONS. VERIFY ALL UNDERSLAB CONDUIT REQUIREMENTS BEFORE ROUGH-IN AND PROVIDE AS NEEDED. COORDINATE WITH ARCHITECT SCISSOR LIFT CONTROLLER LOCATION. MAKE ALL ELECTRICAL CONNECTIONS REQUIRED. SEE ARCHITECTURAL DETAILS FOR MORE INFORMATION.

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

Permit Issue No.:000000 | AIP/CNtss.: 0-00-0000-00-00

ABIA Project No.:L13189.026

Austin-Bergstrom International Airport

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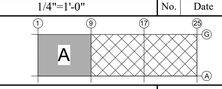
KEY MAP



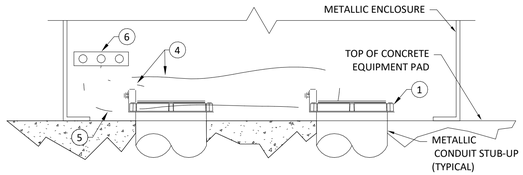

SECTOR J3

DRAWING DESCRIPTION:

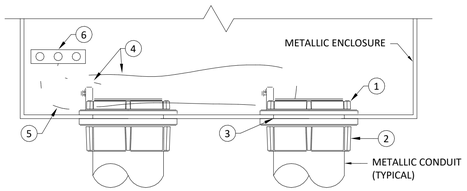
**ELECTRICAL ENLARGED PLAN**

SHEET NO.

**EP-4-03**




TERMINATION INTO PAD MOUNTED ENCLOSURE




TERMINATION INTO WALL/RACK MOUNTED ENCLOSURE

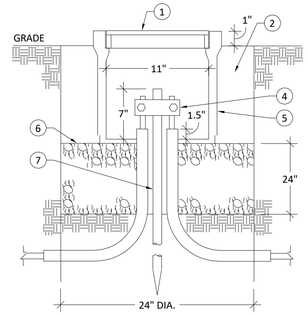
NOTES:

A. ONLY (1) GROUNDING CONDUCTOR SHALL BE TERMINATED IN EACH TERMINATION POINT ON THE EQUIPMENT GROUND BUS BAR. COORDINATE QUANTITY OF GROUNDING CONDUCTORS AND PROVIDE BUS BAR SIZED ACCORDINGLY

| - | DESCRIPTION |
|---|---|
| 1 | INSULATED GROUNDING BUSHING. |
| 2 | CONDUIT HUB FITTING. |
| 3 | RUBBER GASKET. |
| 4 | INSULATED EQUIPMENT GROUNDING CONDUCTOR. SEE CONDUIT AND CONDUCTOR SCHEDULE FOR SIZE. |
| 5 | #10 AWG BARE STRANDED COPPER GROUNDING CONDUCTOR. |
| 6 | EQUIPMENT GROUND BUS BAR. |

## 3 CONDUIT TERMINATION INTO ENCLOSURE

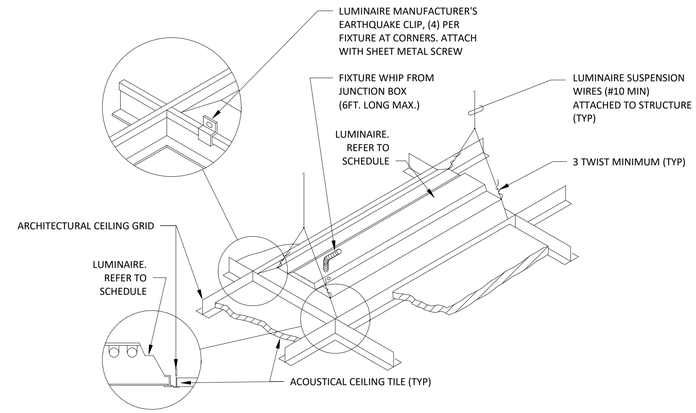
SCALE: N.T.S.




| - | DESCRIPTION |
|---|---|
| 1 | TRAFFIC RATED COVER MARKED "GROUND". |
| 2 | COMPACTED BACK FILL. |
| 3 | STRANDED COPPER CONDUCTOR IN 1.5" PVC CONDUIT, DIRECT BURIED IN MIN. OF 30" BELOW FINISHED GRADE (NOT CONCRETE ENCASED). EACH PVC CONDUIT SHALL EXTEND A MIN. OF 12" HORIZONTALLY FROM THE OUTSIDE EDGE OF THE TEST WELL CONCRETE CAST JUNCTION BOX. |
| 4 | GROUND CONNECTOR BURNDY TYPE GAR OR APPROVED EQUAL. |
| 5 | PRECAST CONCRETE PULLBOX WITH MINIMUM INTERIOR DIMENSIONS OF 11"X 17"-5/8"X9-3/4". PULL BOX COVER SHALL BE TRAFFIC RATED CAST IRON WITH STAINLESS STEEL HARDWARE. PULLBOX ASSEMBLY SHALL BE MODEL NO.36-T AS MANUFACTURED BY OLDCASTLE PRECAST INC. OR APPROVED EQUAL. |
| 6 | 3/8" WASHED GRAVEL WITH CONTINUOUS FILTER FABRIC AROUND ALL SIDES. |
| 7 | 3/4" COPPER SECTIONAL GROUND ROD. |

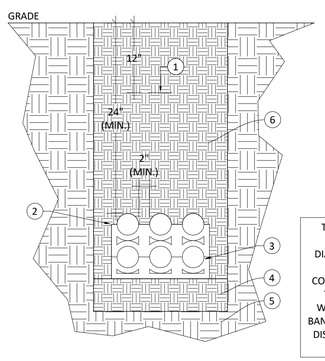
## 2 GROUND TEST WELL DETAIL

SCALE: N.T.S.




## 1 LAY-IN GRID TROFFER MOUNTING

SCALE: N.T.S.

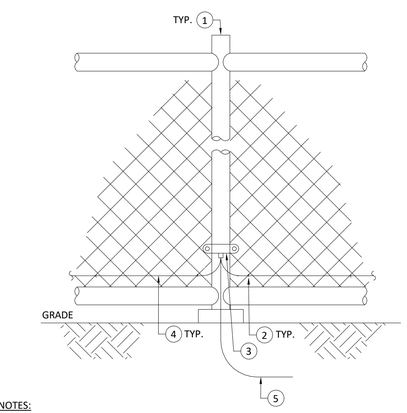



THE DUCT BANK DETAILS ARE DIAGRAMMATIC IN NATURE. THE CONFIGURATION OF THE CONDUITS WITHIN THE DUCT BANKS IS AT THE SOLE DISCRETION OF THE CONTRACTOR.

| - | DESCRIPTION |
|---|---|
| 1 | DETECTABLE BURIED WARNING TAPE. |
| 2 | PLASTIC DUCT SPACERS AT 6 FT. INTERVALS. |
| 3 | SCH. 40 PVC CONDUIT. REFER TO CONDUIT & CONDUCTOR SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. |
| 4 | MINIMUM 6" OF WELL-GRADED GRAVEL. |
| 5 | UNDISTURBED EARTH. PROVIDE WELL COMPACTED FILL IN AREAS WHICH HAVE BEEN UNDERCUT. |
| 6 | SELECT FILL TO A MINIMUM OF 2 FT. ABOVE DUCTBANK. COMPACT ALL BACKFILL IN 8 IN. LIFTS TO 90 PERCENT OF STANDARD PROCTOR (ASTM D 698) DENSITY, UNLESS UNDER EXISTING OR PROPOSED PAVEMENT, OTHER UNDERGROUND UTILITIES, OR STRUCTURES. IF DUCTBANK IS UNDER EXISTING OR PROPOSED PAVEMENT, OTHER UNDERGROUND UTILITIES, OR STRUCTURES, COMPACT ALL BACKFILL IN 8 IN. LIFTS TO 95 PERCENT OF STANDARD PROCTOR DENSITY. |

## 6 DIRECT BURY DUCTBANK DETAIL

SCALE: N.T.S.




NOTES:

A. FENCE INSTALLATION MAY VARY. REFER TO CIVIL PLANS FOR FENCE INSTALLATION DETAILS

B. PROVIDE AND INSTALL GROUNDING CONDUCTOR CONNECTIONS AS SHOWN ON GROUNDING SITE PLAN

| - | DESCRIPTION |
|---|---|
| 1 | STEEL FENCE POST. |
| 2 | GROUND CONNECTOR, BURNDY TYPE "KS" OR APPROVED EQUAL. |
| 3 | CABLE TO PIPE GROUND CONNECTOR, BURNDY TYPE "GAR" APPROVED EQUAL. |
| 4 | #2 BARE COPPER BONDING CONDUCTOR. |
| 5 | #4/0 BARE COPPER GROUNDING CONDUCTOR. |

## 5 FENCE GROUNDING DETAIL

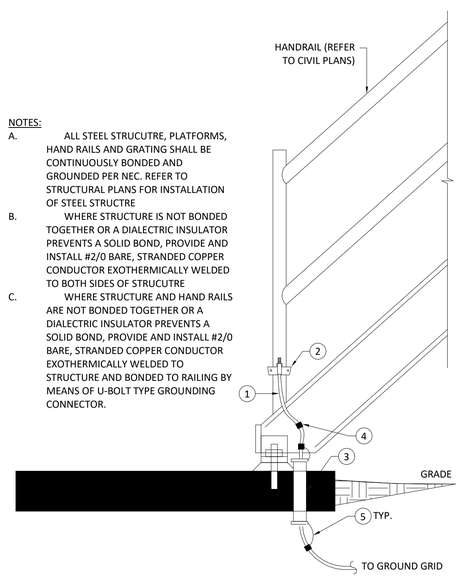
SCALE: N.T.S.

NOTES:

A. ALL STEEL STRUCUTRE, PLATFORMS, HAND RAILS AND GRATING SHALL BE CONTINUOUSLY BONDED AND GROUNDED PER NEC. REFER TO STRUCTURAL PLANS FOR INSTALLATION OF STEEL STRUCTRE

B. WHERE STRUCTURE IS NOT BONDED TOGETHER OR A DIALECTRIC INSULATOR PREVENTS A SOLID BOND, PROVIDE AND INSTALL #2/0 BARE, STRANDED COPPER CONDUCTOR EXOTHERMICALLY WELDED TO BOTH SIDES OF STRUCUTRE

C. WHERE STRUCTURE AND HAND RAILS ARE NOT BONDED TOGETHER OR A DIALECTRIC INSULATOR PREVENTS A SOLID BOND, PROVIDE AND INSTALL #2/0 BARE, STRANDED COPPER CONDUCTOR EXOTHERMICALLY WELDED TO STRUCTURE AND BONDED TO RAILING BY MEANS OF U-BOLT TYPE GROUNDING CONNECTOR.




| - | DESCRIPTION |
|---|---|
| 1 | #4/0 STRANDED COPPER GROUNDING CONDUCTOR. |
| 2 | CABLE TO PIPE GROUND CONNECTOR, BURNDY TYPE "GAR" APPROVED EQUAL. |
| 3 | 1" PVC COATED RGS CONDUIT, 18" L (MIN.) WITH GROUNDING BUSHING EACH END. |
| 4 | EXOTHERMIC WELD CONDUCTOR TO STEEL STRUCTURE. |
| 5 | EXOTHERMIC WELD #10 TO GROUND BUSHING OF CONDUIT. |

## 4 STEEL STRUCTURE GROUNDING DETAIL

SCALE: N.T.S.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STATE OF TEXAS
SHARON S. BICKFORD
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08/02/2021

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No.:L13189.026 | Permit Issue No.:00000 | AIP/CNss.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| DATE: | 02AUG21 | | | | |
| SCALE: | As Indicated | No. | Date | Description | By |

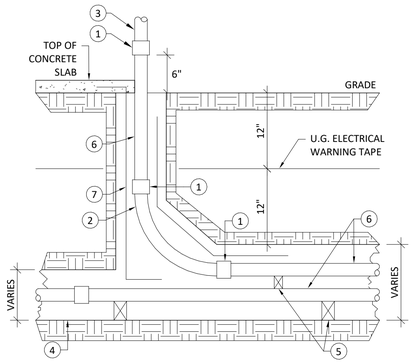
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**ELECTRICAL DETAILS**

SHEET NO.

**E-5-03**

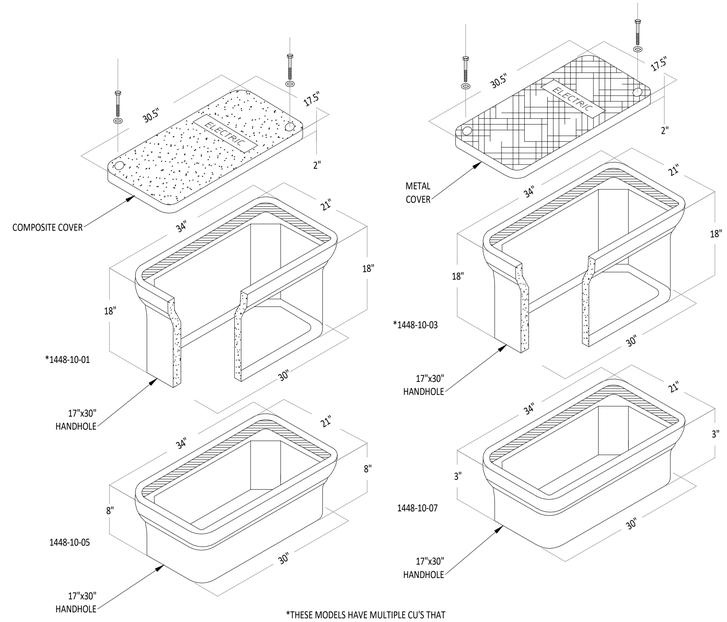



CONDUIT STUB-UP ABOVE GRADE

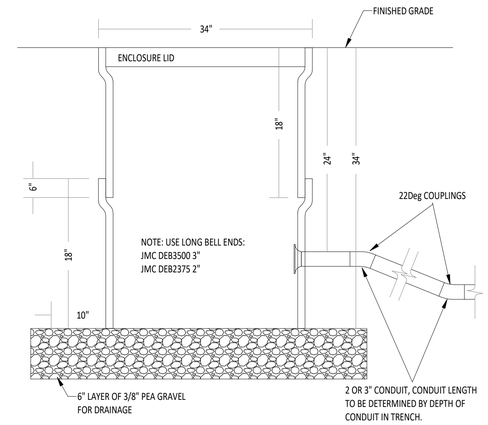
| - | DESCRIPTION |
|---|---|
| 1 | COUPLING - NONMETALLIC ADAPTER, IF REQUIRED. |
| 2 | WIDE RADIUS PVC COATED RGS ELBOW (ETL-PCV-001 COMPLIANT). |
| 3 | RIGID ALUMINUM CONDUIT. |
| 4 | CONCRETE ENCASEMENT, DYE CONCRETE RED. NOT ALL REBAR SHOWN FOR CLARITY. |
| 5 | PLASTIC SPACER. |
| 6 | SCHEDULE 40 PVC CONDUIT. REFER TO PLANS FOR SIZE AND QUANTITY. |
| 7 | #4 HOOK REBAR AT EACH CORNER. |

## 2 UNDERGROUND CONDUIT STUB-UP INSTALLATION

SCALE: N.T.S.




*THESE MODELS HAVE MULTIPLE CU'S THAT ARE ASSOCIATED WITH THEM AND ARE DETERMINED BY CONTRACT LABOR BID UNITS.




NOTES:

1. EXCAVATE APPROXIMATELY 10" GREATER AROUND THE ACTUAL OUTSIDE DIMENSION OF THE ENCLOSURE TO BE INSTALLED AND 6" DEEPER.
2. ADD 6" OF 3/8" PEA GRAVEL FOR DRAINAGE.
3. DRILL 7/8" PILOT HOLE WHERE CONDUIT IS TO ENTER ENCLOSURE. CUT OUT HOLE USING HOLE SAW.
4. HOLES ARE NOT TO BE DRILLED INTO STRUCTURAL REINFORCING RIB. CORNER. OR BOX LIP. HOLES SHOULD NOT EXCEED MORE THAN 25% OF THE AREA OF THE SIDEWALL BEING DRILLED.
5. CONDUITS WITH BELL ENDS AS REQUIRED. BELL ENDS NEED TO BE GROUTED FLUSH TO THE WALLS.
6. TOP OF ENCLOSURE SHOULD BE AT GRADE LEVEL.

## 1 PULL BOX DETAIL

SCALE: N.T.S.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KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**ELECTRICAL DETAILS**

SHEET NO.

**E-5-04**

# LIGHTING CONTROL SCHEDULE

| Space Type | | Occupancy Sensor | | | | Time Clock | | | Wall Switch | | | OTHER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Room Name | Vacancy Mode | Occupancy Mode | Sensor Timeout Period (Minutes) | Dual Technology | Schedule On At | Schedule Off At | Schedule Overide Switch | Manual (On/Off) | Manual Dimming | Scene Control | Notes |
| 01 | 125 MECH. ROOM | No | No | - | No | - | - | No | Yes | No | No | 4 |
| 02 | 127 ELEC. 1 | No | No | - | No | - | - | No | Yes | No | No | 4 |
| 03 | 128 ELEC. 2 | No | No | - | No | - | - | No | Yes | No | No | 4 |
| 04 | 126 COMM. | No | No | - | No | - | - | No | Yes | No | No | 4 |
| 05 | 124 BREAK ROOM | Yes | No | 15 | Yes | - | - | No | Yes | No | Yes | 1,6 |
| 06 | 123 JAN. 1 | Yes | No | 15 | Yes | - | - | No | Yes | No | Yes | 1,6 |
| 07 | 122 STORAGE | No | Yes | 15 | Yes | - | - | No | Yes | No | Yes | 2,6 |
| 08 | 121 MEN | No | Yes | 30 | Yes | - | - | No | Yes | No | Yes | 2,7,10 |
| 09 | 120 WOMEN | No | Yes | 30 | Yes | - | - | No | Yes | No | Yes | 2,7,10 |
| 10 | 119 HALLWAY 1 | No | Yes | 30 | Yes | - | - | No | Yes | No | Yes | 6,9 |
| 11 | 105 CORRIDOR 1 | No | Yes | 30 | Yes | - | - | No | Yes | No | Yes | 6,9 |
| 12 | 106 OPEN OFFICE | Yes | No | 30 | Yes | - | - | No | Yes | Yes | Yes | 1,5 |
| 13 | 116 OFFICE 9 | Yes | No | 15 | Yes | - | - | No | Yes | Yes | Yes | 1,5 |
| 14 | 114 OFFICE 8 | Yes | No | 15 | Yes | - | - | No | Yes | Yes | Yes | 1,5 |
| 15 | 113 OFFICE 7 | Yes | No | 15 | Yes | - | - | No | Yes | Yes | Yes | 1,5 |
| 16 | 112 OFFICE 6 | Yes | No | 15 | Yes | - | - | No | Yes | Yes | Yes | 1,5 |
| 17 | 111 OFFICE 5 | Yes | No | 15 | Yes | - | - | No | Yes | Yes | Yes | 1,5 |
| 18 | 107 OFFICE 4 | Yes | No | 15 | Yes | - | - | No | Yes | Yes | Yes | 1,5 |
| 19 | 108 OFFICE 3 | Yes | No | 15 | Yes | - | - | No | Yes | Yes | Yes | 1,5 |
| 20 | 109 OFFICE 2 | Yes | No | 15 | Yes | - | - | No | Yes | Yes | Yes | 1,5 |
| 21 | 110 OFFICE 1 | Yes | No | 15 | Yes | - | - | No | Yes | Yes | Yes | 1,5 |
| 22 | 117 TRAINING | Yes | No | 30 | Yes | - | - | No | Yes | Yes | Yes | 1,5 |
| 23 | 104 R.R. | No | Yes | 30 | Yes | - | - | No | Yes | No | Yes | 2,7,10 |
| 24 | 103 DRIVER LOUNGE | Yes | No | 15 | Yes | - | - | No | Yes | No | Yes | 1,6 |
| 25 | 102 F.R. | No | No | - | No | - | - | No | Yes | No | No | 4 |
| 26a | 150 TRANSFER SPACE | No | Yes | 10 | Yes | - | - | No | Yes | No | Yes | 6,9 |
| 26b | 150 TRANSFER SPACE | No | Yes | 10 | Yes | - | - | No | Yes | No | Yes | 6,9 |
| 26c | 150 TRANSFER SPACE | No | Yes | 10 | Yes | - | - | No | Yes | No | Yes | 6,9 |
| 27 | 151 LEASE AREA | Yes | No | 30 | Yes | - | - | No | Yes | No | Yes | 1,6 |
| 28 | 132 MEN R.R. | No | Yes | 30 | Yes | - | - | No | Yes | No | Yes | 2,7,10 |
| 29 | 131 WOMEN R.R. | No | Yes | 30 | Yes | - | - | No | Yes | No | Yes | 2,7,10 |
| 30 | 130 JAN. 2 | Yes | No | 15 | Yes | - | - | No | Yes | No | Yes | 1,6 |
| E01 | POLE LIGHTING TARMAC | No | No | - | No | DUSK | DAWN | No | No | No | No | 8 |
| E02 | POLE LIGHTING DOCKS | No | No | - | No | DUSK | DAWN | No | No | No | No | 8 |
| E03 | BUILDING LIGHTING NORTH-WEST | No | No | - | No | DUSK | DAWN | No | No | No | No | 8 |
| E04 | BUILDING LIGHTING SOUTH-EAST | No | No | - | No | DUSK | DAWN | No | No | No | No | 8 |
| E05 | EMPLOYEE PARKING LOT | No | No | - | No | DUSK | DAWN | No | No | No | No | 8 |
| E06 | EXTERIOR BUILDING SIGNAGE | No | No | - | No | DUSK | DAWN | No | No | No | No | 8,11 |
| E07 | BUILDING FACADE LIGHTING EAST | No | No | - | No | DUSK | DAWN | No | No | No | No | 3,8 |
| E08 | RED OBSTRUCTION LIGHTS-TARMAC POLE LIGHTING | No | No | - | No | DUSK | DAWN | No | No | No | No | 8,11 |

Notes:
1. Lights shall manually turn 'On' at 50% then 100% and turn 'Off' when the space is vacant.
2. Lights shall automatically turn 'On' at 100%, dim to 30% when unoccupied, and turn 'Off' after 30 minutes of additional vacancy.
3. Schedule lighting 'Off' between Midnight and 6am.
4. Manual Control Only: User can toggle between 'On' and 'Off'.
5. User can select Scenes 1-2 + 'Off' with Raise/Lower. User can toggle between 'On' and 'Off' with Raise/Lower.
6. User can select Scene 1 + 'On' and 'Off'.
7. User can select Scene 1 + 'On'. No manual 'Off'.
8. Connect to Intelligent Astronomical Time clock controls with Photocell and locate in Room 128 ELEC. 2. for Dusk to Dawn operation. Reference IECC 2015 Section C405.2.5 Exterior Lighting Controls for additional information.
9. Lights shall automatically turn 'On' at 100%, dim to 50% when unoccupied and dim to 30% after 30 minutes of additional vacancy.
10. Provide auxiliary contacts on occupancy sensors in room for control of HVAC equipment when occupancy is detected. See Mechanical Control sheets for more information.
11. Provide for 120V power connection for Lighting Zone.

# LIGHTING FIXTURE SCHEDULE

| MARK | MANUFACTURER | MODEL | LAMPING VOLTAGE | LAMPING QTY | LAMPING WATTAGE | LAMPING TYPE | TEMP | MOUNTING | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|
| A1 | AXIS LIGHTING | ELSC AR 500 80 35 CLS S(LENGTH) W UNV DP 1 DF NA EXTB(LENGTH) | 277 V | 1 | 21 W | LED | 3500 | SURFACE CORNER | HORIZONTAL WALL MOUNT |
| A1E | AXIS LIGHTING | ELSC AR 500 80 35 CLS S(LENGTH) W UNV DP 1 DF NA EXTB(LENGTH) | 277 V | 1 | 21 W | LED | 3500 | SURFACE CORNER | HORIZONTAL WALL MOUNT WITH INTEGRAL EMERGENCY BATTERY PACK |
| A2 | LITHONIA | LBL4 3000LM 80CRI 35K MIN10 MVOLT | 277 V | 1 | 42 W | LED | 3500 | SURFACE | LOW PROFILE CURVED BASKET LED WRAP AROUND. |
| A3 | LITHONIA | LBL4 3000LM 80CRI 35K MIN10 MVOLT | 277 V | 1 | 63 W | LED | 3500 | SURFACE | LOW PROFILE CURVED BASKET LED WRAP AROUND. |
| B1 | LITHONIA | LBL4 3000LM 80CRI 35K MIN10 MVOLT MOUNTING | 277 V | 1 | 26 W | LED | 3500 | SUSPENDED | LOW PROFILE CURVED BASKET LED WRAP AROUND. |
| B1E | LITHONIA | LBL4 3000LM 80CRI 35K MIN10 MVOLT MOUNTING EL14L | 277 V | 1 | 26 W | LED | 3500 | SUSPENDED | SAME AS TYPE 'B1' FIXTURE EXCEPT WITH EMERGENCY BATTERY BACKUP |
| B2 | LITHONIA | LBL4 3000LM 80CRI 35K MIN10 MVOLT | 277 V | 1 | 26 W | LED | 3500 | SURFACE | LOW PROFILE CURVED BASKET LED WRAP AROUND. |
| B2E | LITHONIA | LBL4 3000LM 80CRI 35K MIN10 MVOLT EL14L | 277 V | 1 | 26 W | LED | 3500 | SURFACE | SAME AS TYPE 'B2' FIXTURE EXCEPT WITH EMERGENCY BATTERY BACKUP |
| C | LITHONIA | CLX L48 4000LM SEF FDL MVOLT GZ10 35K 80CRI | 277 V | 1 | 26 W | LED | 3500 | SUSPENDED | 4FT LINEAR |
| CE | LITHONIA | CLX L48 4000LM SEF FDL 277 GZ10 35K 80CRI PS1050 SPD | 277 V | 1 | 26 W | LED | 3500 | SUSPENDED | SAME AS TYPE 'C' FIXTURE EXCEPT WITH EMERGENCY BATTERY BACKUP |
| D | LITHONIA | 2BLT2 48L ADP EZ1 LP835 | 277 V | 1 | 43 W | LED | 3500 | RECESSED | 2X2 TROFFER |
| DE | LITHONIA | 2BLT2 48L ADP EZ1 LP835 EL14LSD | 277 V | 1 | 43 W | LED | 3500 | RECESSED | SAME AS TYPE 'D' FIXTURE EXCEPT WITH EMERGENCY BATTERY BACKUP |
| H | LITHONIA | IBG 24000LM SEF ACL GND MVOLT 35K 80CRI | 277 V | 1 | 144 W | LED | 3500 | SUSPENDED | LED HIGH BAY |
| HE | LITHONIA | IBG 24000LM SEF ACL GND MVOLT 35K 80CRI IE30WCPHE | 277 V | 1 | 144 W | LED | 3500 | SUSPENDED | SAME AS TYPE 'H' FIXTURE EXCEPT WITH EMERGENCY BATTERY BACKUP |
| L1 | LUMINII | PX-LENGTH-SR-Q40-SO-F-RM-FINISH-B-TYPE / CHANNEL: KRXLC-LENGTH-F-FINISH / DIMMING POWER SUPPLY:PSV-96-24-U2ND-D | 277 V | 1 | 96 W | LED ACCENT | 4000 | CHANNEL | LED LINEAR STRIP-24V, VERIFY FINISH AND TYPE WITH ARCHITECT. VERIFY LED COLOR WITH OWNER BEFORE ORDERING. FIELD VERIFY FIXTURE AND CHANNEL LENGTH BEFORE ORDERING. LOCATE POWER SUPPLY INSIDE BUILDING EXTERIOR WALL PLENUM SPACE ABOVE ACCESSIBLE CEILING. |
| L2 | LUMINII | LL48HEWET-T-LO-40K-SL65-SL65-LENGTH / CHANNEL: KRXLC-LENGTH-F-FINISH / DIMMING POWER SUPPLY:PSD-96-24-277 | 277 V | 1 | 96 W | LED WET TUBE | 4000 | CHANNEL | LED LINEAR STRIP-24V, VERIFY FINISH AND TYPE WITH ARCHITECT. VERIFY LED COLOR WITH OWNER BEFORE ORDERING. FIELD VERIFY FIXTURE AND CHANNEL LENGTH BEFORE ORDERING. LOCATE POWER SUPPLY INSIDE BUILDING EXTERIOR WALL PLENUM SPACE ABOVE ACCESSIBLE CEILING. |
| S52 | LITHONIA | DSX2 LED P7 40K T5M 480 - POLE: (LITHONIA RTS SERIES POLE MODEL# RTS 37' 9-0B T30 DM28AS | 480 V | 4 | 1592 W | LED | 4000 | POLE | 4@90 FOUR HEAD AREA LUMINAIRE |
| SFT | LITHONIA | DSX2 LED P7 40K TFTM MVOLT - POLE: LITHONIA SSS SERIES POLE MODEL# SSS QS 22' 4G DM19AS | 277 V | 1 | 398 W | LED | 4000 | POLE | SINGLE HEAD AREA LUMINAIRE |
| T3 | LITHONIA | DSX0 LED P4 40K T3W - POLE: LITHONIA SSS SERIES POLE MODEL# SSS QS 25' 4G DM19AS | 277 V | 1 | 92 W | LED | 4000 | POLE | SINGLE HEAD AREA LUMINAIRE |
| T4 | LITHONIA | DSX0 LED P4 40K T4W - POLE: LITHONIA SSS SERIES POLE MODEL# SSS QS 25' 4G DM19AS | 277 V | 1 | 92 W | LED | 4000 | POLE | SINGLE HEAD AREA LUMINAIRE |
| T5 | LITHONIA | DSX0 LED P4 40K T5W - POLE: LITHONIA SSS SERIES POLE MODEL# SSS QS 25' 4G DM19AS | 277 V | 1 | 184 W | LED | 4000 | POLE | 2@180 DUAL HEAD AREA LUMINAIRE |
| W1 | LITHONIA | DSX2 P7 40K TFTM MVOLT WBA DMG FINISH | 277 V | 1 | 398 W | LED | 4000 | WALL | AREA LUMINAIRE |
| W2 | LITHONIA | DSX2 P7 40K T2M MVOLT WBA DMG FINISH | 277 V | 1 | 398 W | LED | 4000 | WALL | AREA LUMINAIRE |
| W3E | LITHONIA | WDGE1 LED P1 40K 80CRI MVOLT E4WH FINISH | 277 V | 1 | 10 W | LED | 4000 | WALL | ARCHITECTURAL WALL SCONCE |
| W4 | LITHONIA | CSVT L48 AL03(5000LM) MVOLT SWW3(40K) 80CRI | 277 V | 1 | 42 W | LED | 4000 | SURFACE | 4FT VAPOR TIGHT STRIP LIGHT |
| X1 | LITHONIA | EXR LED EL M6 | 277 V | 1 | 1 W | LED | -- | VARIES | UNIVERSAL FIELD CONVERTIBLE EXIT SIGN WITH EMERGENCY BATTERY BACKUP. MOUNT AS INDICATED IN LIGHTING PLANS. |

NOTES:
- SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR LOCATION OF ALL FIXTURES.
- SEE ARCHITECTURAL ELEVATIONS AND/OR DETAILS FOR ALL LIGHT FIXTURE MOUNTING HEIGHTS FOR ALL WALL MOUNTED FIXTURES AND ABOVE FINISHED FLOOR HEIGHTS FOR ALL SUSPENDED OR PENDANT MOUNTED FIXTURES UNLESS NOTED OTHERWISE.
- PROVIDE REMOTE LED DRIVERS FOR FIXTURES LOCATED IN HARD CEILING. MOUNT LED DRIVER TO STRUCTURE ABOVE CEILING AS CLOSE TO LIGHT FIXTURE AS POSSIBLE IN AN EASILY ACCESSIBLE AREA.

# GENERAL NOTES - LIGHTING CONTROL SYSTEM

A. THE LIGHTING CONTROL SCHEDULE INDICATES THE TYPES OF LIGHTING CONTROL FUNCTIONALITY REQUIRED IN BUILDING ROOMS/SPACES. THE LIGHTING CONTROL SUPPLIER SHALL PROVIDE ALL REQUIRED COMPONENTS ASSOCIATED WIRING REQUIREMENTS FOR THEIR SPECIFIC LIGHTING CONTROL SYSTEM TO PROVIDE THE REQUIRED LIGHTING CONTROL FUNCTIONALITY FOR EACH ROOM/SPACE.

B. OCCUPANCY/VACANCY SENSORS SHALL BE CEILING MOUNTED, UNLESS SHOWN TO BE INTEGRAL WITH ROOM/SPACE WALL SWITCHES OR NOTED OTHERWISE. CEILING OCCUPANCY/VACANCY SENSOR LOCATIONS AND QUANTITIES SHALL BE AS REQUIRED TO SENSE OCCUPANCY IN 100% OF THE ROOM/SPACE.

C. WHERE OCCUPANCY/VACANCY SENSING IS REQUIRED FOR A SPACE, OCCUPANCY/VACANCY SENSING CONTROL SHALL BE PROVIDED FOR ALL LIGHT FIXTURES IN THE SPACE, UNLESS NOTED OTHERWISE.

D. WALL OVERRIDE/CONTROL SWITCHES SHALL PROVIDE INDEPENDENT ON-OFF CONTROL FOR ALL NON-DIMMED ZONES IN THE ROOM/SPACE AND INDEPENDENT ON-OFF AND RAISE/LOWER DIMMING CONTROL FOR ALL DIMMING ZONES IN THE ROOM/SPACE. "O" AND "V" AT A SWITCH INDICATES WITH INTEGRAL OCCUPANCY/VACANCY SENSOR. SWITCHES MAY BE GROUPED TOGETHER IN A COMMON SWITCH HOUSING AS LONG AS THE REQUIRED INDEPENDENT FUNCTIONALITY IS PROVIDED.

E. A TIME-SWITCH CONTROL FUNCTION IS REQUIRED FOR ALL SPACES NOT USING OCCUPANCY/VACANCY SENSING AND DAYLIGHT RESPONSIVE CONTROLS UNLESS SPACE IS EXEMPT FROM SUCH CONTROLS. THE TIME SWITCH CONTROLS SHALL ALSO BE PROVIDED WITH A MANUAL CONTROL FOR LIGHT REDUCTION THAT ALLOWS FOR THE UNIFORM REDUCTION OF LUMINATION OF THE CONNECTED LIGHTING LOAD BY AT LEAST 50%. WHERE REQUIRED BY CODE THE TIME-SWITCH CONTROLS SHALL INCLUDE AN OVERRIDE SWITCHING DEVICE THAT HAS A MINIMUM 7-DAY CLOCK ABLE TO BE SET FOR 7 DIFFERENT DAY TYPES PER WEEK, INCORPORATES AN AUTOMATIC HOLIDAY SHUTOFF, HAS PROGRAM BACKUP CAPABILITIES TO PREVENT LOSS OF PROGRAM AND TIME SETTINGS FOR 10 HOURS DUE TO POWER LOSS.

F. EXTERIOR LIGHTING SHALL BE PROVIDED WITH INTEGRAL PHOTOCELL, MOTION SENSOR AND DIMMING CONTROLS, UNLESS OTHERWISE NOTED.

G. ALL LIGHTING CONTROL SYSTEMS COMPONENTS AND WIRING WHICH IS INSTALLED IN CEILING PLENUMS SHALL BE UL LISTED FOR INSTALLATION IN CEILING RETURN AIR PLENUMS.

H. TYPICAL 0-10 VDC DIMMING CONTROL WIRING SHALL BE 2 #18 AWG, COLOR CODED PURPLE AND GRAY. WHERE 0-10VDC DIMMING CONTROL WIRING IS INSTALLED IN THE SAME RACEWAY WITH LINE VOLTAGE WIRING TO A LIGHT FIXTURE, 0-10 VDC DIMMING CONTROL WIRING SHALL BE HAVE 600 VOLT INSULATION.

I. INSTALLED LOCATIONS OF ALL ABOVE CEILING LIGHTING CONTROL SYSTEM COMPONENTS SHALL BE CLEARLY INDICATED ON THE AS-BUILT RECORD DRAWINGS, BY LOCATION AND COMPONENT TYPE/DESIGNATION.

J. ALL SWITCHED LIGHT FIXTURE(S) CIRCUITED TO AN EMERGENCY POWER CIRCUIT, INVERTER OR INTEGRAL BATTERY BACKUP SHALL BE PROVIDED WITH UL 924 LISTED EMERGENCY LIGHTING BYPASS RELAY. IF REQUIRED BY AUTHORITY HAVING JURISDICTION (AHJ) PROVIDE AN ADDITIONAL CONTACT TO RECEIVE INPUT FROM THE FIRE ALARM SYSTEM TO ENSURE UPON ACTIVATION OF THE FIRE ALARM SYSTEM THE EMERGENCY LIGHTING SHALL GO TO FULL BRIGHT.


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KEY MAP SECTOR J3

DRAWING DESCRIPTION:

LIGHTING SCHEDULES

SHEET NO.

E-6-01

## FEEDER AND BRANCH CIRCUIT SCHEDULE

| MARK | # OF SETS | PHASE & NEU. CONDUCTORS (CU) | EQUIP. GRND CONDUCTOR (CU) | 3PH / 4W CONDUIT SIZE | 1 OR 3PH / 3W CONDUIT SIZE | 1PH / 2W CONDUIT SIZE |
|---|---|---|---|---|---|---|
| 20 | 1 | #12 | #12 | 3/4" | 3/4" | 3/4" |
| 25 | 1 | #10 | #10 | 3/4" | 3/4" | 3/4" |
| 30 | 1 | #10 | #10 | 3/4" | 3/4" | 3/4" |
| 35 | 1 | #8 | #10 | 3/4" | 3/4" | 3/4" |
| 40 | 1 | #8 | #10 | 1" | 3/4" | 3/4" |
| 45 | 1 | #8 | #10 | 1" | 3/4" | 3/4" |
| 50 | 1 | #8 | #10 | 1" | 1" | 3/4" |
| 55 | 1 | #6 | #10 | 1-1/2" | 1-1/2" | 1" |
| 60 | 1 | #6 | #10 | 1-1/2" | 1-1/2" | 1" |
| 70 | 1 | #4 | #8 | 1-1/2" | 1-1/2" | 1" |
| 80 | 1 | #4 | #8 | 1-1/2" | 1-1/2" | 1" |
| 90 | 1 | #3 | #8 | 1-1/2" | 1-1/2" | 1" |
| 100 | 1 | #3 | #8 | 1-1/2" | 1-1/2" | 1-1/2" |
| 125 | 1 | #1 | #6 | 2" | 1-1/2" | N/A |
| 150 | 1 | #1/0 | #6 | 2" | 1-1/2" | N/A |
| 175 | 1 | #2/0 | #6 | 2" | 2" | N/A |
| 200 | 1 | #3/0 | #6 | 2-1/2" | 2" | N/A |
| 225 | 1 | #4/0 | #4 | 2-1/2" | 2" | N/A |
| 250 | 1 | 250 KCMIL | #4 | 3" | 2-1/2" | N/A |
| 300 | 1 | 350 KCMIL | #4 | 3" | 3" | N/A |
| 350 | 2 | #2/0 | #3 | 2" | 2" | N/A |
| 400 | 2 | #3/0 | #3 | 2-1/2" | 2" | N/A |
| 500 | 2 | 250 KCMIL | #2 | 3" | 2-1/2" | N/A |
| 600 | 2 | 350 KCMIL | #1 | 3" | 3" | N/A |
| 800 | 3 | 300 KCMIL | #1/0 | 2-1/2" | 2-1/2" | N/A |
| 1000 | 3 | 400 KCMIL | #2/0 | 4" | 3" | N/A |
| 1200 | 4 | 350 KCMIL | #3/0 | 3" | 3" | N/A |
| 1600 | 5 | 400 KCMIL | #4/0 | 4" | 4" | N/A |
| 2000 | 6 | 400 KCMIL | 250 KCMIL | 4" | N/A | N/A |
| 2500 | 7 | 500 KCMIL | 400 KCMIL | 4" | N/A | N/A |
| 3000 | 8 | 500 KCMIL | 400 KCMIL | 4" | N/A | N/A |
| 3500 | 10 | 500 KCMIL | 500 KCMIL | 4" | N/A | N/A |
| 4000 | 10 | 600 KCMIL | 500 KCMIL | 4" | N/A | N/A |

NOTES:

A. FEEDER AND BRANCH CIRCUIT SCHEDULE IS BASED ON NEC TABLE 310.15(B)(16) AND TABLE 250.122.

B. ALL NEUTRAL CONDUCTORS SHALL MATCH THE SIZE OF THE PHASE CONDUCTORS UNLESS OTHERWISE NOTED.

C. FEEDER AND BRANCH CIRCUIT SCHEDULE IS NOT TO BE USED FOR SIZING SERVICE FEEDERS BEFORE MAIN OVERCURRENT PROTECTION EQUIPMENT.

D. FEEDER AND BRANCH CIRCUIT MARK LEGEND

100 - 4 (NG, IF SHOWN = NO GND)

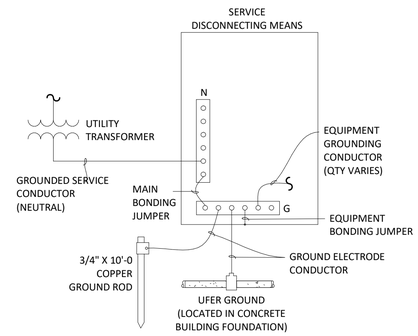
CIRCUIT MARK
SEE FEEDER AND BRANCH CIRCUIT SCHEDULE FOR CONDUCTOR AND CONDUIT SIZE

NUMBER OF PHASE CONDUCTORS
4 = 3 PH / 4 WIRE
3 = 1 OR 3 PH / 3 WIRE
2 = 1 PH / 2 WIRE

| DESIGNATION RANGE (ID) | | GROUNDING ELECTRODE CONDUCTOR CU WIRE SIZE FOR: | | |
|---|---|---|---|---|
| | | GROUND ROD | CONCRETE-ENCASED ELECTRODE | STRUCTURAL STEEL AND METAL WATER PIPING (IF ANY) |
| 20G-100G | 2 or smaller | #8 | #8 | #8 |
| 125G-150G | 1 or 1/0 | #6 | #6 | #6 |
| 175G-200G | 2/0 or 3/0 | #6 | #4 | #4 |
| 225G-300G | Over 3/0 through 350 | #6 | #4 | #2 |
| 350G-500G | Over 350 through 600 | #6 | #4 | #1/0 |
| 600G-800G | Over 600 through 1100 | #6 | #4 | #2/0 |
| 1000G+ | Over 1100 | #6 | #4 | #3/0 |

NOTES:

1. DESIGNATIONS REFER TO AMPERAGE FOLLOWED BY A "G". FOR EXAMPLE, 30G WOULD FALL WITHIN THE 20G-100G RANGE.
2. CONDUCTOR CONNECTED TO FIRST ELECTRODE IN SYSTEM SHALL BE SIZED ACCORDING TO THE GROUNDING ELECTRODE REQUIRING THE LARGEST CONDUCTOR. ONLY AVAILABLE GROUNDING ELECTRODES IN SYSTEM SHALL BE CONSIDERED. ALL BONDING BETWEEN REMAINING ELECTRODES SHALL BE SIZED ACCORDING TO THE VALUE LISTED IN THE TABLE.
3. GROUNDING ELECTRODE SYSTEM SHALL CONSIST OF ALL AVAILABLE GROUNDING ELECTRODES.
4. THIS TABLE IS BASED ON ARTICLE 250.66 OF THE NEC.

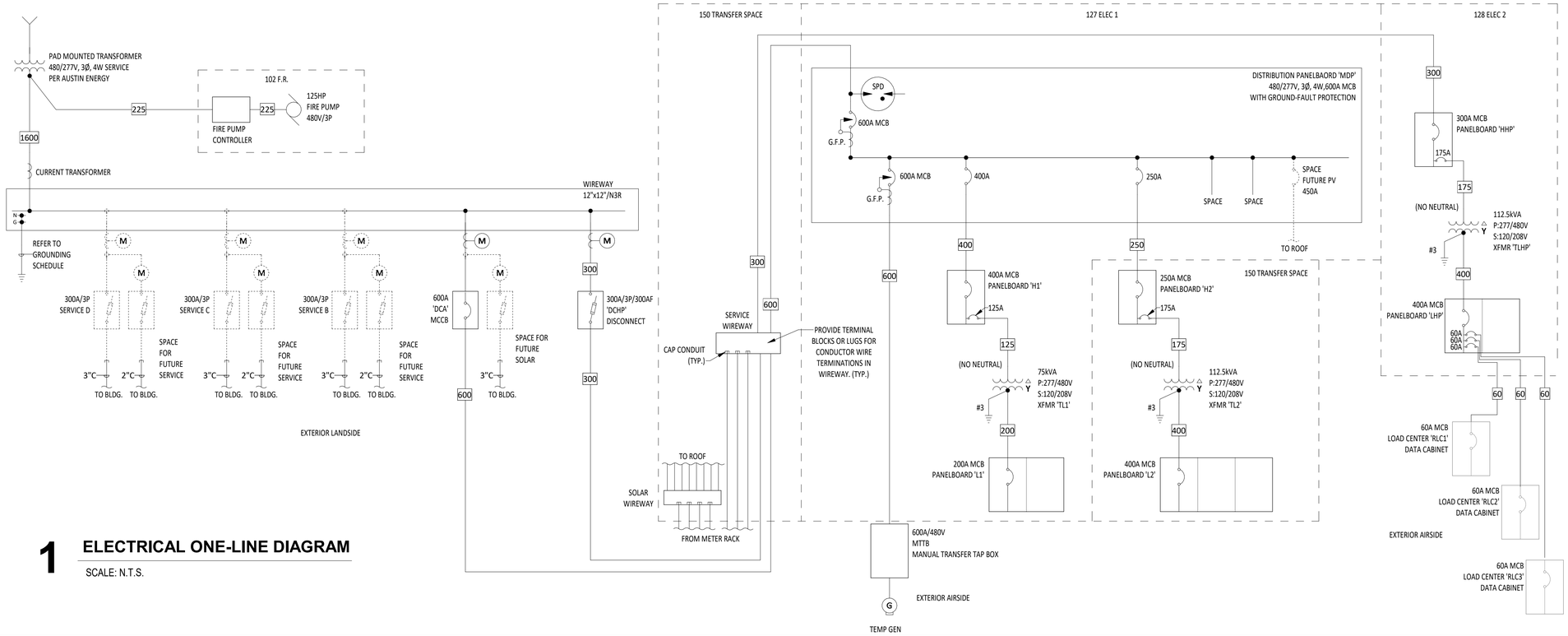



NOTES:

A. GROUNDING SYSTEM SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE ARTICLE 25.
B. ALL EQUIPMENT GROUNDING CONDUCTORS AND BONDING JUMPERS SHALL BE INSULATED STRANDED COPPER. GROUND ELECTRODE CONDUCTORS SHALL BE BARE STRANDED COPPER.
C. WHERE GROUND ELECTROD CONDUCTORS OR GROUND RODS PENETRATE THROUGH OR ENTER CONCRETE FOUNDATIONS, PROVIDE PVC SLEEVE EXTENDING NOT LESS THAN 2" ABOVE FINISHED FLOOR.
D. UFER GROUND (CONCRETE-ENCASED ELECTRODE) SHALL CONSIST OF AT LEAST 20'-0" OF EITHER OPTION BELOW:
   a. ONE OR MORE ELECTRICALLY CONDUCTIVE COATED STEEL REINFORCEMENT BARS OF NOT LESS THAN 0.5" IN DIAMETER, INSTALLED IN ONE CONTINUOUS 20'-0" LENGTH, OR IF IN MULTIPLE PIECES CONNECTED TOGETHER BY STEEL TIE WIRES OR WELDING.
   b. BARE COPPER CONDUCTOR NOT SMALLER THAN NO. 4 AWG.
E. GROUNDING CONNECTIONS TO GROUND ROD SHALL BE MADE WITH MECHANICAL GROUNDING CONNECTOR EXPOSED NOT LESS THAN 2" ABOVE GRADE OR FINISHED FLOOR. GROUNDING CONNECTIONS TO BUILDING FOUNDATION STEEL REINFORCEMENT OR GROUND ELECTRODE CONDUCTOR SPLICES SHALL BE BY MEANS OF EXOTHERMIC WELDS.
F. ONLY (1) GROUNDING CONDUCTOR SHALL BE TERMINATED IN EACH TERMINATION POINT ON THE EQUIPMENT GROUND BUS BAR. PROVIDE BUS BAR SIZED FOR TOTAL QUANTITY OF GROUNDING CONDUCTORS

## 2 SERVICE GROUND ELECTRODE SYSTEM

SCALE: N.T.S.




## 1 ELECTRICAL ONE-LINE DIAGRAM

SCALE: N.T.S.


ATKINS
11801 Domain Blvd., Suite 500 - Austin TX 78758 - (512) 327-6840

ENCOTECH ENGINEERING CONSULTANTS
TBPE Firm 1141 | 8500 Bluffstone Cove, Suite B-103 Austin, Texas 78759 | 512.338.1101


STATE OF TEXAS
SHARON S. BICKFORD
77390
LICENSED PROFESSIONAL ENGINEER
08/02/2021

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN, AUSTIN, TX 78719

Permit Issue No.:000000 | AIP/CNos.: 0-00-0000-00-00

ABIA Project No.:L13189.026

Austin-Bergstrom International Airport

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | SY | | | | |
| CHECKED BY: | SB | | | | |
| COORD. CHECK: | JC | | | | |
| FILE NAME: | L13189.026-E-6-02.dwg | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | NTS | No. | Date | Description | By |

KEY MAP

SECTOR J3

DRAWING DESCRIPTION:

**ELECTRICAL ONE LINE DIAGRAM**

SHEET NO.

**E-6-02**

# Distribution Panel: MDP

Project: 20091:AUS CARGO DEVELOPMENT...

**Location:** ELEC. 1 127
**Supply From:** AE TRANSFORMER
**Mounting:** SURFACE
**Enclosure:** N1

**Volts:** 480/277 Wye
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:** 22,000
**Mains Type:** MCB
**Mains Rating:** 800 A
**BUS AMPS:** 800 A
**SPECIAL:** SPD

| CKT | Circuit Description | # of Poles | Frame Size | Trip Rating | Load | Remarks |
|---|---|---|---|---|---|---|
| 1 | SPACE FOR MANUAL TRANSFER TAP BOX... | 3 | -- | -- | -- | TEMPORARY GENERATOR |
| 2 | PANELBOARD 'H1' | 3 | 400 A | 400 A | 179215 VA | |
| 3 | PANELBOARD 'H2' | 3 | 400 A | 400 A | 200039 VA | |
| 4 | SPACE | 1 | -- | -- | -- | |
| 5 | SPACE | 1 | -- | -- | -- | |
| 6 | SPACE FOR FUTURE PV | 1 | -- | -- | -- | |

| Load Classification | Connected Load | Demand Factor | Estimated... | Panel Totals | |
|---|---|---|---|---|---|
| DIVERSIFIED LOAD | 360 VA | 50.00% | 180 VA | | |
| LIGHTING | 19959 VA | 125.00% | 24949 VA | **Total Conn. Load:** | 379254 VA |
| MOTORS | 253209 VA | 102.49% | 259503 VA | **Total Est. Demand:** | 345682 VA |
| NONCONTINUOUS LOADS | 840 VA | 100.00% | 840 VA | **Total Conn.:** | 456 A |
| | | | | **Total Est. Demand:** | 416 A |
| | | | | **NEC 25% SPARE** | 570 A |

**Notes:**

SHORT CIRCUIT CALCULATIONS - SERVICE A

| Equipment Name | Feeder Length (ft) | Parallel Sets | Conduit | Wire Type | Wire Size | KVA | L-L Voltage | %Z | C-Value | Load Served (A) | Upstream I[SCA] | f-Value | Multiplier (M) | Calculated Values (A) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Utility Transformer | | | | | | 500 | 480 | 1.4 | | 601.4 | | | 71.429 | 42958 |
| METERS/DISC. | 20 | 5 | Steel | Copper | #400kcmil | | 480 | | 20566 | | 42958 | 0.030 | 0.971 | 41700 |
| MDP | 500 | 3 | Steel | Copper | #300kcmil | | 480 | | 18177 | | 41700 | 1.380 | 0.420 | 17523 |
| H1 | 20 | 2 | Steel | Copper | #3/0 | | 480 | | 12844 | | 17523 | 0.049 | 0.953 | 16701 |
| H2 | 110 | 1 | Steel | Copper | #250kcmil | | 480 | | 16483 | | 17523 | 0.422 | 0.703 | 12323 |
| TL1 | 20 | 1 | Steel | Copper | #1/0 | 75 | 208 | 1.4 | | | 16701 | 1.123 | 0.471 | 7866 |
| TL2 | 20 | 1 | Steel | Copper | #2/0 | 112.5 | 208 | 1.4 | | | 12323 | 0.552 | 0.644 | 7938 |
| L1 | 20 | 1 | Steel | Copper | #3/0 | | 208 | | 12844 | | 7866 | 0.102 | 0.907 | 7138 |
| L2 | 20 | 2 | Steel | Copper | #3/0 | | 208 | | 12844 | | 7938 | 0.051 | 0.951 | 7549 |

SHORT CIRCUIT CALCULATIONS - SERVICE E

| Equipment Name | Feeder Length (ft) | Parallel Sets | Conduit | Wire Type | Wire Size | KVA | L-L Voltage | %Z | C-Value | Load Served (A) | Upstream I[SCA] | f-Value | Multiplier (M) | Calculated Values (A) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Utility Transformer | | | | | | 500 | 480 | 1.4 | | 601.4 | | | 71.429 | 42958 |
| METERS/DISC. | 20 | 5 | Steel | Copper | #400kcmil | | 480 | | 20566 | | 42958 | 0.030 | 0.971 | 41700 |
| HHP | 550 | 1 | Steel | Copper | #350kcmil | | 480 | | 19704 | | 41700 | 4.200 | 0.192 | 8019 |
| TLHP | 20 | 1 | Steel | Copper | #2/0 | 112.5 | 208 | 1.4 | | | 8019 | 0.360 | 0.736 | 5898 |
| LHP | 20 | 2 | Steel | Copper | #3/0 | | 208 | | 12844 | | 5898 | 0.038 | 0.963 | 5681 |
| RLC1 | 140 | 1 | Steel | Copper | #6 | | 208 | | 2425 | | 5681 | 2.731 | 0.268 | 1523 |
| RLC2 | 500 | 1 | Steel | Copper | #4 | | 208 | | 3806 | | 5681 | 6.215 | 0.139 | 787 |
| RLC3 | 700 | 1 | Steel | Copper | #3 | | 208 | | 4774 | | 5681 | 6.937 | 0.126 | 716 |

## PANELBOARD SCHEDULE

Project: 20091:AUS CARGO DEVELOPMENT EAST

**H1**

LOCATION: ELEC. 1 127
SUPPLY FROM: MDP
A.I.C. RATING: 22,000

| VOLTAGE | PHASE | WIRE | MOUNTING | BUS (A) | LUG | TYPE |
|---|---|---|---|---|---|---|
| **480/277 Wye** | **3** | **4** | **SURFACE** | **400 A** | **MCB** | **N1** |

LOAD

| WIRE SIZE | TYPE | USE and/or AREA SERVED | C/B | POLE | CIR | A | B | C | CIR | POLE | C/B | USE and/or AREA SERVED | TYPE | WIRE SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OFFICE AREA NORTH LIGHTING | 20 | 1 | 1 | 2461 | | | | | | | | -- |
| -- | | | | | | 970 | | | 2 | | | | | |
| -- | | SPARE | 20 | 1 | 3 | | 0 | | | | | | | |
| -- | | | | | | | 970 | | 4 | 3 | 15 | FC-1, MECH. ROOM 125 | | |
| | | OFFICE AREA SOUTH LIGHTING | 20 | 1 | 5 | | | 2817 | | | | | | |
| -- | | | | | | | | 970 | 6 | | | | | |
| | | | | | 7 | 970 | | | | | | | | -- |
| | | | | | | 970 | | | 8 | | | | | |
| | | FC-3, MECH. ROOM 125 | 15 | 3 | 9 | | 970 | | | | | | | |
| | | | | | | | 970 | | 10 | 3 | 15 | FC-4, MECH. ROOM 125 | | |
| | | | | | 11 | | | 970 | | | | | | |
| -- | | | | | | | | 970 | 12 | | | | | |
| | | | | | 13 | 1524 | | | | | | | | -- |
| | | | | | | 2134 | | | 14 | | | | | |
| | | DOACU-1 | 15 | 3 | 15 | | 1524 | | | | | | | |
| | | | | | | | 2134 | | 16 | 3 | 15 | FC-2, MECH. ROOM 125 | | |
| | | | | | 17 | | | 1524 | | | | | | |
| -- | | | | | | | | 2134 | 18 | | | | | |
| | | | | | 19 | 5709 | | | | | | | | -- |
| | | | | | | 5709 | | | 20 | | | | | |
| #10 | | CU-1 | 25 | 3 | 21 | | 5709 | | | | | | | |
| | | | | | | | 5709 | | 22 | 3 | 25 | CU-3 | | #10 |
| | | | | | 23 | | | 5709 | | | | | | |
| -- | | | | | | | | 5709 | 24 | | | | | |
| | | | | | 25 | 5709 | | | | | | | | -- |
| | | | | | | 7178 | | | 26 | | | | | |
| #10 | | CU-4 | 25 | 3 | 27 | | 5709 | | | | | | | |
| | | | | | | | 7178 | | 28 | 3 | 35 | CU-2 | | #8 |
| | | | | | 29 | | | 5709 | | | | | | |
| -- | | | | | | | | 7178 | 30 | | | | | |
| -- | | SPARE | 20 | 1 | 31 | 0 | | | | | | | | -- |
| -- | | | | | | 8391 | | | 32 | | | | | |
| -- | | SPARE | 20 | 1 | 33 | | 0 | | | | | | | |
| -- | | | | | | | 8391 | | 34 | 3 | 40 | DOAU, MECH. ROOM 125 | | #8 |
| -- | | SPARE | 20 | 1 | 35 | | | 0 | | | | | | |
| -- | | | | | | | | 8391 | 36 | | | | | |
| -- | | SPARE | 20 | 1 | 37 | 0 | | | | | | | | -- |
| -- | | | | | | 19640 | | | 38 | | | | | |
| -- | | SPACE | -- | 1 | 39 | | -- | | | | | | | |
| -- | | | | | | | 17807 | | 40 | 3 | 125 | TRANSFORMER 'TL1' | | #1 |
| -- | | SPACE | -- | 1 | 41 | | | -- | | | | | | |
| -- | | | | | | | | 18700 | 42 | | | | | |
| **TOTAL LOAD PER PHASE** | | | | | | **61364** | **57070** | **60781** | | | | | | |

① GFCI ② AFCI ③ AFCI/GFCI ④ SHUNT TRIP ⑤ SWD ⑥ HACR ⑦ LOCKABLE — 'NONE - REFER TO SPECIFICATIONS

### FEEDER OCPD AND CONDUCTOR CALCULATION

| LOAD DESCRIPTION | CONNECTED LOAD (VA) | CONNECTED LOAD... | DEM FACTOR... | DEMAND LOAD (VA) | DEMAND LOAD... | NOTES |
|---|---|---|---|---|---|---|
| CONTINUOUS LOADS | 1750 VA | 2 A | 125.00% | 2188 VA | 3 A | |
| LIGHTING | 5278 VA | 6 A | 125.00% | 6598 VA | 8 A | |
| MOTORS | 127055 VA | 153 A | 104.95% | 133349 VA | 160 A | |
| NONCONTINUOUS LOADS | 600 VA | 1 A | 100.00% | 600 VA | 1 A | |
| RECEPTACLES | 44532 VA | 54 A | 61.23% | 27266 VA | 33 A | |
| **CONNECTED TOTALS** | **179215 VA** | **216 A** | **DEMAND TOTALS** | **170000 VA** | **204 A** | |

## PANELBOARD SCHEDULE

Project: 20091:AUS CARGO DEVELOPMENT EAST

**H2**

LOCATION: TRANSFER SPACE 150
SUPPLY FROM: MDP
A.I.C. RATING: 22,000

| VOLTAGE | PHASE | WIRE | MOUNTING | BUS (A) | LUG | TYPE |
|---|---|---|---|---|---|---|
| **480/277 Wye** | **3** | **4** | **SURFACE** | **250 A** | **MCB** | **N1** |

LOAD

| WIRE SIZE | TYPE | USE and/or AREA SERVED | C/B | POLE | CIR | A | B | C | CIR | POLE | C/B | USE and/or AREA SERVED | TYPE | WIRE SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | BAY LIGHTING, TRANSFER SPACE 150 | 20 | 1 | 1 | 2578 | | | | | | | | -- |
| -- | | | | | | 2593 | | | 2 | 1 | 20 | BAY LIGHTING, TRANSFER SPACE 150 | | |
| | | VF-6, TRANSFER SPACE 150 | 20 | 1 | 3 | | 3324 | | | | | | | -- |
| -- | | | | | | | 3460 | | 4 | 1 | 20 | BAY LIGHTING, TRANSFER SPACE 150 | | |
| | | BAY LIGHTING, TRANSFER SPACE 150 | 20 | 1 | 5 | | | 3025 | | | | | | -- |
| -- | | | | | | | | 3324 | 6 | 1 | 20 | VF-5, TRANSFER SPACE 150 | | |
| | | BAY LIGHTING, TRANSFER SPACE 150 | 20 | 1 | 7 | 3025 | | | | | | | | -- |
| -- | | | | | | 3324 | | | 8 | 1 | 20 | VF-4, TRANSFER SPACE 150 | | |
| | | VF-3, TRANSFER SPACE 150 | 20 | 1 | 9 | | 3324 | | | | | | | -- |
| -- | | | | | | | 2106 | | 10 | | | | | |
| | | VF-2, TRANSFER SPACE 150 | 20 | 1 | 11 | | | 3324 | | | | | | |
| -- | | | | | | | | 2106 | 12 | 3 | 15 | SISSOR LIFT, TRANSFER SPACE 150 | | |
| | | | | | 13 | 3048 | | | | | | | | |
| | | | | | | 2106 | | | 14 | | | | | |
| | | EF-1-2, TRANSFER SPACE 150 | 20 | 3 | 15 | | 3048 | | | | | | | -- |
| | | | | | | | 3048 | | 16 | | | | | |
| | | | | | 17 | | | 3048 | | | | | | |
| -- | | | | | | | | 3048 | 18 | 3 | 20 | EF-1-3, TRANSFER SPACE 150 | | |
| | | | | | 19 | 3048 | | | | | | | | |
| | | | | | | 3048 | | | 20 | | | | | |
| | | EF-1-4, TRANSFER SPACE 150 | 20 | 3 | 21 | | 3048 | | | | | | | -- |
| | | | | | | | 3048 | | 22 | | | | | |
| | | | | | 23 | | | 3048 | | | | | | |
| -- | | | | | | | | 3048 | 24 | 3 | 20 | EF-1-5, TRANSFER SPACE 150 | | |
| | | | | | 25 | 3048 | | | | | | | | |
| | | | | | | 3048 | | | 26 | | | | | |
| | | EF-1-6, TRANSFER SPACE 150 | 20 | 3 | 27 | | 3048 | | | | | | | -- |
| | | | | | | | 0 | | 28 | 1 | 20 | SPARE | | -- |
| | | | | | 29 | | | 3048 | | | | | | -- |
| -- | | | | | | | | 0 | 30 | 1 | 20 | SPARE | | -- |
| -- | | SPARE | 20 | 1 | 31 | 0 | | | | | | | | -- |
| -- | | | | | | 0 | | | 32 | 1 | 20 | SPARE | | -- |
| -- | | SPARE | 20 | 1 | 33 | | 0 | | | | | | | -- |
| -- | | | | | | | 0 | | 34 | 1 | 20 | SPARE | | -- |
| -- | | SPARE | 20 | 1 | 35 | | | 0 | | | | | | -- |
| -- | | | | | | | | 0 | 36 | 1 | 20 | SPARE | | -- |
| -- | | SPACE | -- | 1 | 37 | -- | | | | | | | | -- |
| -- | | | | | | 38668 | | | 38 | | | | | |
| -- | | SPACE | -- | 1 | 39 | | -- | | | | | | | |
| -- | | | | | | | 39424 | | 40 | 3 | 175 | TRANSFORMER 'TL2' | | #2/0 |
| -- | | SPACE | -- | 1 | 41 | | | -- | | | | | | |
| -- | | | | | | | | 38603 | 42 | | | | | |
| **TOTAL LOAD PER PHASE** | | | | | | **67535** | **66880** | **65624** | | | | | | |

① GFCI ② AFCI ③ AFCI/GFCI ④ SHUNT TRIP ⑤ SWD ⑥ HACR ⑦ LOCKABLE — 'NONE - REFER TO SPECIFICATIONS

### FEEDER OCPD AND CONDUCTOR CALCULATION

| LOAD DESCRIPTION | CONNECTED LOAD (VA) | CONNECTED LOAD... | DEM FACTOR... | DEMAND LOAD (VA) | DEMAND LOAD... | NOTES |
|---|---|---|---|---|---|---|
| CONTINUOUS LOADS | 1940 VA | 2 A | 125.00% | 2425 VA | 3 A | |
| DIVERSIFIED LOAD | 360 VA | 0 A | 50.00% | 180 VA | 0 A | |
| LIGHTING | 14681 VA | 18 A | 125.00% | 18351 VA | 22 A | |
| MOTORS | 126154 VA | 152 A | 101.81% | 128440 VA | 154 A | |
| NONCONTINUOUS LOADS | 240 VA | 0 A | 100.00% | 240 VA | 0 A | |
| RECEPTACLES | 56664 VA | 68 A | 58.82% | 33332 VA | 40 A | |
| **CONNECTED TOTALS** | **200039 VA** | **241 A** | **DEMAND TOTALS** | **182968 VA** | **220 A** | |

## PANELBOARD SCHEDULE

Project: 20091:AUS CARGO DEVELOPMENT EAST

**HHP**

LOCATION: ELEC. 2 128
SUPPLY FROM: AE TRANSFORMER
A.I.C. RATING: 22,000

| VOLTAGE | PHASE | WIRE | MOUNTING | BUS (A) | LUG | TYPE |
|---|---|---|---|---|---|---|
| **480/277 Wye** | **3** | **4** | **SURFACE** | **300 A** | **MCB** | **N1** |

LOAD

| WIRE SIZE | TYPE | USE and/or AREA SERVED | C/B | POLE | CIR | A | B | C | CIR | POLE | C/B | USE and/or AREA SERVED | TYPE | WIRE SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LIGHTING, LEASE AREA 151 | 20 | 1 | 1 | 615 | | | | | | | | -- |
| -- | | | | | | 3324 | | | 2 | 1 | 20 | VF-1, LEASE AREA 151 | | |
| | | BUILDING LIGHTING NORTH-WEST | 20 | 1 | 3 | | 2050 | | | | | | | -- |
| -- | | | | | | | 2722 | | 4 | 1 | 20 | BUILDING LIGHTING SOUTH-EAST | | |
| | | POLE LIGHTING DOCKS | 20 | 1 | 5 | | | 1592 | | | | | | -- |
| -- | | | | | | | | 2123 | 6 | | | | | |
| | | | | | 7 | 15520 | | | | | | | | |
| | | | | | | 2123 | | | 8 | 3 | 20 | LIGHTING, TARMAC | | |
| -- | | SPACE FOR FUTURE GSE CHARGER #1* | 70 | 3 | 9 | | 15520 | | | | | | | |
| | | | | | | | 2123 | | 10 | | | | | |
| | | | | | 11 | | | 15520 | | | | | | -- |
| -- | | | | | | | | 828 | 12 | 1 | 20 | EMPLOYEE PARKING LOT LIGHTING | | |
| | | | | | 13 | 15520 | | | | | | | | -- |
| | | | | | | 3048 | | | 14 | | | | | |
| | | SPACE FOR FUTURE GSE CHARGER #3* | 70 | 3 | 15 | | 15520 | | | | | | | |
| | | | | | | | 3048 | | 16 | 3 | 20 | EF-1-1, LEASE AREA 151 | | |
| | | | | | 17 | | | 15520 | | | | | | |
| -- | | | | | | | | 3048 | 18 | | | | | |
| -- | | SPARE | 20 | 1 | 19 | 0 | | | | | | | | -- |
| -- | | | | | | 15520 | | | 20 | | | | | |
| -- | | SPARE | 20 | 1 | 21 | | 0 | | | | | | | |
| -- | | | | | | | 15520 | | 22 | 3 | 70 | SPACE FOR FUTURE GSE CHARGER #2* | | -- |
| -- | | SPARE | 20 | 1 | 23 | | | 0 | | | | | | |
| -- | | | | | | | | 15520 | 24 | | | | | |
| -- | | SPARE | 20 | 1 | 25 | 0 | | | | | | | | -- |
| -- | | | | | | 0 | | | 26 | 1 | 20 | SPARE | | -- |
| -- | | SPACE | -- | 1 | 27 | | -- | | | | | | | -- |
| -- | | | | | | | -- | | 28 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 29 | | | -- | | | | | | -- |
| -- | | | | | | | | -- | 30 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 31 | -- | | | | | | | | -- |
| -- | | | | | | -- | | | 32 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 33 | | -- | | | | | | | -- |
| -- | | | | | | | -- | | 34 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 35 | | | -- | | | | | | -- |
| -- | | | | | | | | -- | 36 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 37 | -- | | | | | | | | -- |
| -- | | | | | | 32940 | | | 38 | | | | | |
| -- | | SPACE | -- | 1 | 39 | | -- | | | | | | | |
| -- | | | | | | | 35172 | | 40 | 3 | 175 | TRANSFORMER 'TLHP' | | #2/0 |
| -- | | SPACE | -- | 1 | 41 | | | -- | | | | | | |
| -- | | | | | | | | 38664 | 42 | | | | | |
| **TOTAL LOAD PER PHASE** | | | | | | **88610** | **91675** | **92815** | | | | | | |

① GFCI ② AFCI ③ AFCI/GFCI ④ SHUNT TRIP ⑤ SWD ⑥ HACR ⑦ LOCKABLE — 'NONE - REFER TO SPECIFICATIONS

### FEEDER OCPD AND CONDUCTOR CALCULATION

| LOAD DESCRIPTION | CONNECTED LOAD (VA) | CONNECTED LOAD... | DEM FACTOR... | DEMAND LOAD (VA) | DEMAND LOAD... | NOTES |
|---|---|---|---|---|---|---|
| CONTINUOUS LOADS | 2000 VA | 2 A | 125.00% | 2500 VA | 3 A | *Do not provide circuit breakers for Future GSE Charger spaces. |
| HEATING | 2000 VA | 2 A | 100.00% | 2000 VA | 2 A | |
| LIGHTING | 21239 VA | 26 A | 125.00% | 26549 VA | 32 A | |
| MOTORS | 15469 VA | 19 A | 114.78% | 17755 VA | 21 A | |
| RECEPTACLES | 14712 VA | 18 A | 83.99% | 12356 VA | 15 A | |
| Spare | 217680 VA | 262 A | 60.00% | 130608 VA | 157 A | |
| **CONNECTED TOTALS** | **273100 VA** | **328 A** | **DEMAND TOTALS** | **191768 VA** | **231 A** | |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STATE OF TEXAS
SHARON S. BICKFORD
77390
LICENSED PROFESSIONAL ENGINEER
08/02/2021

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

**AUS CARGO DEVELOPMENT EAST**

**9402 FREIGHT LN. AUSTIN, TX. 78719**

ABIA Project No.:L13189.026 | Permit Issue No.:000000 | AIP/CNos.: 0-00-0000-00-00

**Austin-Bergstrom International Airport**

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | SY | | | | |
| CHECKED BY: | SB | | | | |
| COORD. CHECK: | JC | | | | |
| FILE NAME: | L13189.026-E-6-03.dwg | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | NTS | No. | Date | Description | By |

KEY MAP — SECTOR J3

DRAWING DESCRIPTION:

**ELECTRICAL PANEL SCHEDULES**

SHEET NO.

**E-6-03**

# PANELBOARD SCHEDULE

SECTION 1

Project: 20091:AUS CARGO DEVELOPMENT EAST

**L1**

LOCATION: ELEC. 1 127
SUPPLY FROM: T1.1
A.I.C. RATING: 22,000

| VOLTAGE | PHASE | WIRE | MOUNTING | BUS (A) | LUG | TYPE |
|---|---|---|---|---|---|---|
| **120/208 Wye** | **3** | **4** | **SURFACE** | **200 A** | **MCB** | **N1** |

LOAD

| WIRE SIZE | TYPE | USE and/or AREA SERVED | C/B | POLE | CIR | A | B | C | CIR | POLE | C/B | USE and/or AREA SERVED | TYPE | WIRE SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -- | ① | RECEPTACLES R.R. 104 | 20 | 1 | 1 | 360 | | | | | | | | -- |
| -- | | | | | | 528 | | | 2 | 1 | 20 | EF-3, BREAK ROOM 124 | | |
| -- | | WH-1 & HWRP-2, JAN. 1 123 | 20 | 1 | 3 | | 395 | | | | | | | -- |
| -- | | | | | | | 528 | | 4 | 1 | 20 | EF-4, R.R. 104 | | |
| -- | | DF-1, MECH. ROOM 125 | 20 | 1 | 5 | | | 480 | | | | | | -- |
| -- | | | | | | | | 540 | 6 | 1 | 20 | AV DISPLAY, BREAK ROOM 124 | | |
| -- | | RECEPTACLES DRIVER LOUNGE 103 | 20 | 1 | 7 | 540 | | | | | | | | -- |
| -- | | | | | | 720 | | | 8 | 1 | 20 | RECEPTACLES Room 127, 128, 125,... | ① | |
| -- | | FLUSH SENSORS & PAPER TOWEL R.... | 20 | 1 | 9 | | 570 | | | | | | | -- |
| -- | | | | | | | 720 | | 10 | 1 | 20 | RECEPTACLES BREAK ROOM 124 | | |
| -- | | SOAP DISPENSERS, RM 120- 121 | 20 | 1 | 11 | | | 600 | | | | | | -- |
| -- | | | | | | | | 1080 | 12 | 1 | 20 | RECEPTACLES OFFICE 1 110 | | |
| -- | | DOOR OPERATOR, TRANSFER SPACE... | 20 | 1 | 13 | 1920 | | | | | | | | -- |
| -- | | | | | | 1820 | | | 14 | | | | | |
| -- | ① | REFRIG. BREAK ROOM 124 | 20 | 1 | 15 | | 1140 | | | 2 | 20 | CU-5 | | |
| -- | | | | | | | 1820 | | 16 | | | | | |
| -- | | RECEPTACLES OPEN OFFICE 106 | 20 | 1 | 17 | | | 1080 | | | | | | -- |
| -- | | | | | | | | 1920 | 18 | 1 | 20 | DOOR OPERATOR, TRANSFER SPACE... | | |
| -- | | RECEPTACLES OPEN OFFICE 106 | 20 | 1 | 19 | 540 | | | | | | | | -- |
| -- | | | | | | 1080 | | | 20 | 1 | 20 | RECEPTACLES OFFICE 8 114 | | |
| -- | | RECEPTACLES OPEN OFFICE 106 | 20 | 1 | 21 | | 540 | | | | | | | -- |
| -- | | | | | | | 900 | | 22 | 1 | 20 | RECEPTACLES OFFICE 9 116 | | |
| -- | ① | RECEPTACLES. BREAK ROOM 124 | 20 | 1 | 23 | | | 540 | | | | | | -- |
| -- | | | | | | | | 900 | 24 | 1 | 20 | RECEPTACLES TRAINING 117 | | |
| -- | | RECEPTACLES OFFICE 5 111 | 20 | 1 | 25 | 1080 | | | | | | | | -- |
| -- | | | | | | 1080 | | | 26 | 1 | 20 | RECEPTACLES OFFICE 2 109 | | |
| -- | | RECEPTACLES OFFICE 6 112 | 20 | 1 | 27 | | 1080 | | | | | | | -- |
| -- | | | | | | | 1080 | | 28 | 1 | 20 | RECEPTACLES OFFICE 3 108 | | |
| -- | | RECEPTACLES OFFICE 7 113 | 20 | 1 | 29 | | | 1080 | | | | | | -- |
| -- | | | | | | | | 1080 | 30 | 1 | 20 | RECEPTACLES OFFICE 4 107 | | |
| -- | | RECEPTACLES Room 119, 118, 105,... | 20 | 1 | 31 | 720 | | | | | | | | -- |
| -- | | | | | | 1140 | | | 32 | 1 | 20 | REFRIG. BREAK ROOM 124 | ① | |
| -- | | RECEPTACLES Room 120, 121 | 20 | 1 | 33 | | 1080 | | | | | | | -- |
| -- | | | | | | | 1140 | | 34 | 1 | 20 | REFRIG. BREAK ROOM 124 | ① | |
| -- | | RECEPTACLES TRAINING 117 | 20 | 1 | 35 | | | 1080 | | | | | | -- |
| -- | | | | | | | | 1140 | 36 | 1 | 20 | REFRIG. BREAK ROOM 124 | ① | |
| -- | ① | VENDING SNACKS, 124 BREAK RM | 20 | 1 | 37 | 1200 | | | | | | | | -- |
| -- | | | | | | 1440 | | | 38 | 1 | 20 | VENDING DRINKS, 124 BREAK RM | ① | |
| -- | ① | VENDING SNACKS, 124 BREAK RM | 20 | 1 | 39 | | 1200 | | | | | | | -- |
| -- | | | | | | | 1440 | | 40 | 1 | 20 | VENDING DRINKS, 124 BREAK RM | ① | |
| -- | ① | VENDING SNACKS, DRIVER LOUNGE... | 20 | 1 | 41 | | | 1200 | | | | | | -- |
| -- | | | | | | | | 1440 | 42 | 1 | 20 | VENDING DRINKS, DRIVER LOUNGE... | ① | |
| **TOTAL LOAD PER PHASE** | | | | | | **19640** | **17807** | **18700** | | | | | | |

① GFCI ② AFCI ③ AFCI/GFCI ④ SHUNT TRIP ⑤ SWD ⑥ HACR ⑦ LOCKABLE

'NONE - REFER TO SPECIFICATIONS

## FEEDER OCPD AND CONDUCTOR CALCULATION

| LOAD DESCRIPTION | CONNECTED LOAD (VA) | CONNECTED LOAD... | DEM FACTOR... | DEMAND LOAD (VA) | DEMAND LOAD... | NOTES |
|---|---|---|---|---|---|---|
| CONTINUOUS LOADS | 1750 VA | 5 A | 125.00% | 2188 VA | 6 A | |
| MOTORS | 9265 VA | 26 A | 109.82% | 10175 VA | 28 A | |
| NONCONTINUOUS LOADS | 600 VA | 2 A | 100.00% | 600 VA | 2 A | |
| RECEPTACLES | 44532 VA | 124 A | 61.23% | 27266 VA | 76 A | |
| **CONNECTED TOTALS** | **56147 VA** | **156 A** | **DEMAND TOTALS** | **40229 VA** | **112 A** | |

# PANELBOARD SCHEDULE

SECTION 2

Project: 20091:AUS CARGO DEVELOPMENT EAST

**L1**

LOCATION: ELEC. 1 127
SUPPLY FROM: L1
A.I.C. RATING: 22,000

| VOLTAGE | PHASE | WIRE | MOUNTING | BUS (A) | LUG | TYPE |
|---|---|---|---|---|---|---|
| **120/208 Wye** | **3** | **4** | **SURFACE** | **200 A** | **MLO** | **N1** |

LOAD

| WIRE SIZE | TYPE | USE and/or AREA SERVED | C/B | POLE | CIR | A | B | C | CIR | POLE | C/B | USE and/or AREA SERVED | TYPE | WIRE SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -- | | RECEPTACLES STORAGE 122 | 20 | 1 | 43 | 360 | | | | | | | | -- |
| -- | | | | | | 372 | | | 44 | 1 | 20 | WATER COOLER, HALLWAY 1 119 | ① | |
| -- | | PAPER TOWEL DISPENSER, Room 12... | 20 | 1 | 45 | | 480 | | | | | | | -- |
| -- | | | | | | | 1380 | | 46 | 1 | 20 | MICROWAVE, BREAK ROOM 124 | ① | |
| -- | | FLUSH SENSORS, Room 120, 121 | 20 | 1 | 47 | | | 700 | | | | | | -- |
| -- | | | | | | | | 1380 | 48 | 1 | 20 | MICROWAVE, BREAK ROOM 124 | ① | |
| -- | ① | MICROWAVE, BREAK ROOM 124 | 20 | 1 | 49 | 1380 | | | | | | | | -- |
| -- | | | | | | 1380 | | | 50 | 1 | 20 | MICROWAVE, BREAK ROOM 124 | ① | |
| -- | ① | MICROWAVE, BREAK ROOM 124 | 20 | 1 | 51 | | 1380 | | | | | | | -- |
| -- | | | | | | | 900 | | 52 | 1 | 20 | RECEPTACLES BREAK ROOM 124 | | |
| -- | ① | MICROWAVE, BREAK ROOM 124 | 20 | 1 | 53 | | | 1380 | | | | | | -- |
| -- | | | | | | | | 1080 | 54 | 1 | 20 | RECEPTACLES BREAK ROOM 124 | | |
| -- | | RECEPTACLES BREAK ROOM 124 | 20 | 1 | 55 | 1080 | | | | | | | | -- |
| -- | | | | | | 900 | | | 56 | 1 | 20 | RECEPTACLES SOUTH ENTRY 101 | | |
| -- | | TRAP PRIMER, MECH. ROOM 125 | 20 | 1 | 57 | | 34 | | | | | | | -- |
| -- | | | | | | | 0 | | 58 | 1 | 20 | SPARE | | -- |
| -- | | SPARE | 20 | 1 | 59 | | | 0 | | | | | | -- |
| -- | | | | | | | | 0 | 60 | 1 | 20 | SPARE | | -- |
| -- | | SPARE | 20 | 1 | 61 | 0 | | | | | | | | -- |
| -- | | | | | | -- | | | 62 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 63 | | -- | | | | | | | -- |
| -- | | | | | | | -- | | 64 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 65 | | | -- | | | | | | -- |
| -- | | | | | | | | -- | 66 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 67 | -- | | | | | | | | -- |
| -- | | | | | | -- | | | 68 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 69 | | -- | | | | | | | -- |
| -- | | | | | | | -- | | 70 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 71 | | | -- | | | | | | -- |
| -- | | | | | | | | -- | 72 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 73 | -- | | | | | | | | -- |
| -- | | | | | | -- | | | 74 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 75 | | -- | | | | | | | -- |
| -- | | | | | | | -- | | 76 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 77 | | | -- | | | | | | -- |
| -- | | | | | | | | -- | 78 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 79 | -- | | | | | | | | -- |
| -- | | | | | | -- | | | 80 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 81 | | -- | | | | | | | -- |
| -- | | | | | | | -- | | 82 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 83 | | | -- | | | | | | -- |
| -- | | | | | | | | -- | 84 | 1 | -- | SPACE | | -- |
| **TOTAL LOAD PER PHASE** | | | | | | **5472** | **4174** | **4540** | | | | | | |

① GFCI ② AFCI ③ AFCI/GFCI ④ SHUNT TRIP ⑤ SWD ⑥ HACR ⑦ LOCKABLE

'NONE - REFER TO SPECIFICATIONS

## FEEDER OCPD AND CONDUCTOR CALCULATION

| LOAD DESCRIPTION | CONNECTED LOAD (VA) | CONNECTED LOAD... | DEM FACTOR... | DEMAND LOAD (VA) | DEMAND LOAD... | NOTES |
|---|---|---|---|---|---|---|
| CONTINUOUS LOADS | 700 VA | 2 A | 125.00% | 875 VA | 2 A | |
| MOTORS | 34 VA | 0 A | 125.00% | 43 VA | 0 A | |
| NONCONTINUOUS LOADS | 480 VA | 1 A | 100.00% | 480 VA | 1 A | |
| RECEPTACLES | 12972 VA | 36 A | 88.54% | 11486 VA | 32 A | |
| **CONNECTED TOTALS** | **14186 VA** | **39 A** | **DEMAND TOTALS** | **12884 VA** | **36 A** | |


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STATE OF TEXAS
SHARON S. BICKFORD
77390
LICENSED PROFESSIONAL ENGINEER
08/02/2021

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No.:L13189.026 | Permit Issue No.:000000 | AIP/CNss.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | SY | | | | |
| CHECKED BY: | SB | | | | |
| COORD. CHECK: | JC | | | | |
| FILE NAME: | L13189.026-E-6-04.dwg | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | NTS | No. | Date | Description | By |

KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**ELECTRICAL PANEL SCHEDULES**

SHEET NO.

**E-6-04**

# PANELBOARD SCHEDULE — SECTION 1

Project: 20091:AUS CARGO DEVELOPMENT EAST

**L2**

LOCATION: TRANSFER SPACE 150
SUPPLY FROM: TL2
A.I.C. RATING: 22,000

| VOLTAGE | PHASE | WIRE | MOUNTING | BUS (A) | LUG | TYPE |
|---|---|---|---|---|---|---|
| 120/208 Wye | 3 | 4 | SURFACE | 400 A | MCB | N1 |

LOAD

| WIRE SIZE | TYPE | USE and/or AREA SERVED | C/B | POLE | CIR | A | B | C | CIR | POLE | C/B | USE and/or AREA SERVED | TYPE | WIRE SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -- | | DOCK LEVELERS, TRANSFER SPACE... | 20 | 1 | 1 | 600 | | | | | | | | -- |
| -- | | | | | | 1920 | | | 2 | 1 | 20 | DOOR OPERATOR, TRANSFER SPACE... | | |
| -- | | VEHICLE RESTRAINTS, TRANSFER... | 20 | 1 | 3 | | 1728 | | | | | | | -- |
| -- | | | | | | | 1920 | | 4 | 1 | 20 | DOOR OPERATOR, TRANSFER SPACE... | | |
| -- | | VEHICLE RESTRAINTS, TRANSFER... | 20 | 1 | 5 | | | 864 | | | | | | -- |
| -- | | | | | | | | 1920 | 6 | 1 | 20 | DOOR OPERATOR, TRANSFER SPACE... | | |
| -- | 1 | RECEPTACLES TRANSFER SPACE 150 | 20 | 1 | 7 | 1080 | | | | | | | | -- |
| -- | | | | | | 1200 | | | 8 | 1 | 20 | RECEPTACLES TRANSFER SPACE 150 | 1 | |
| -- | 1 | RECEPTACLES TRANSFER SPACE 150 | 20 | 1 | 9 | | 1080 | | | | | | | -- |
| -- | | | | | | | 1200 | | 10 | 1 | 20 | RECEPTACLES TRANSFER SPACE 150 | 1 | |
| -- | 1 | RECEPTACLES TRANSFER SPACE 150 | 20 | 1 | 11 | | | 1080 | | | | | | -- |
| -- | | | | | | | | 1200 | 12 | 1 | 20 | RECEPTACLES TRANSFER SPACE 150 | 1 | |
| -- | | DOCK LEVELERS, TRANSFER SPACE... | 20 | 1 | 13 | 1200 | | | | | | | | -- |
| -- | | | | | | 1200 | | | 14 | 1 | 20 | DOCK LEVELERS, TRANSFER SPACE... | | |
| -- | 1 | RECEPTACLES TRANSFER SPACE 150 | 20 | 1 | 15 | | 1200 | | | | | | | -- |
| -- | | | | | | | 1200 | | 16 | 1 | 20 | DOCK LEVELERS, TRANSFER SPACE... | | |
| -- | 1 | RECEPTACLES TRANSFER SPACE 150 | 20 | 1 | 17 | | | 1200 | | | | | | -- |
| -- | | | | | | | | 1200 | 18 | 1 | 20 | DOCK LEVELERS, TRANSFER SPACE... | | |
| -- | | DOCK LEVELERS, TRANSFER SPACE... | 20 | 1 | 19 | 1200 | | | | | | | | -- |
| -- | | | | | | 1200 | | | 20 | 1 | 20 | DOCK LEVELERS, TRANSFER SPACE... | | |
| -- | | DOCK LEVELERS, TRANSFER SPACE... | 20 | 1 | 21 | | 1200 | | | | | | | -- |
| -- | | | | | | | 1200 | | 22 | 1 | 20 | DOCK LEVELERS, TRANSFER SPACE... | | |
| -- | | DOCK LEVELERS, TRANSFER SPACE... | 20 | 1 | 23 | | | 1200 | | | | | | -- |
| -- | | | | | | | | 1200 | 24 | 1 | 20 | DOCK LEVELERS, TRANSFER SPACE... | | |
| -- | | DOCK LEVELERS, TRANSFER SPACE... | 20 | 1 | 25 | 1200 | | | | | | | | -- |
| -- | | | | | | 1728 | | | 26 | 1 | 20 | VEHICLE RESTRAINTS, TRANSFER... | | |
| -- | | DOCK LEVELERS, TRANSFER SPACE... | 20 | 1 | 27 | | 1200 | | | | | | | -- |
| -- | | | | | | | 1728 | | 28 | 1 | 20 | VEHICLE RESTRAINTS, TRANSFER... | | |
| -- | | DOCK LEVELERS, TRANSFER SPACE... | 20 | 1 | 29 | | | 1200 | | | | | | -- |
| -- | | | | | | | | 1728 | 30 | 1 | 20 | VEHICLE RESTRAINTS, TRANSFER... | | |
| -- | | VEHICLE RESTRAINTS, TRANSFER... | 20 | 1 | 31 | 1728 | | | | | | | | -- |
| -- | | | | | | 1728 | | | 32 | 1 | 20 | VEHICLE RESTRAINTS, TRANSFER... | | |
| -- | | VEHICLE RESTRAINTS, TRANSFER... | 20 | 1 | 33 | | 1728 | | | | | | | -- |
| -- | | | | | | | 1728 | | 34 | 1 | 20 | VEHICLE RESTRAINTS, TRANSFER... | | |
| -- | | VEHICLE RESTRAINTS, TRANSFER... | 20 | 1 | 35 | | | 1728 | | | | | | -- |
| -- | | | | | | | | 1728 | 36 | 1 | 20 | VEHICLE RESTRAINTS, TRANSFER... | | |
| -- | | VEHICLE RESTRAINTS, TRANSFER... | 20 | 1 | 37 | 1728 | | | | | | | | -- |
| -- | | | | | | 1920 | | | 38 | 1 | 20 | DOOR OPERATOR, TRANSFER SPACE... | | |
| -- | | VEHICLE RESTRAINTS, TRANSFER... | 20 | 1 | 39 | | 1728 | | | | | | | -- |
| -- | | | | | | | 1920 | | 40 | 1 | 20 | DOOR OPERATOR, TRANSFER SPACE... | | |
| -- | | VEHICLE RESTRAINTS, TRANSFER... | 20 | 1 | 41 | | | 1728 | | | | | | -- |
| -- | | | | | | | | 1920 | 42 | 1 | 20 | DOOR OPERATOR, TRANSFER SPACE... | | |
| | | **TOTAL LOAD PER PHASE** | | | | **38668** | **39424** | **38603** | | | | | | |

① GFCI ② AFCI ③ AFCI/GFCI ④ SHUNT TRIP ⑤ SWD ⑥ HACR ⑦ LOCKABLE — 'NONE - REFER TO SPECIFICATIONS

## FEEDER OCPD AND CONDUCTOR CALCULATION

| LOAD DESCRIPTION | CONNECTED LOAD (VA) | CONNECTED LOAD... | DEM FACTOR... | DEMAND LOAD (VA) | DEMAND LOAD... | NOTES |
|---|---|---|---|---|---|---|
| CONTINUOUS LOADS | 1940 VA | 5 A | 125.00% | 2425 VA | 7 A | |
| DIVERSIFIED LOAD | 360 VA | 1 A | 50.00% | 180 VA | 0 A | |
| MOTORS | 57491 VA | 160 A | 100.83% | 57971 VA | 161 A | |
| NONCONTINUOUS LOADS | 240 VA | 1 A | 100.00% | 240 VA | 1 A | |
| RECEPTACLES | 56664 VA | 157 A | 58.82% | 33332 VA | 93 A | |
| **CONNECTED TOTALS** | **116695 VA** | **324 A** | **DEMAND TOTALS** | **94148 VA** | **261 A** | |

# PANELBOARD SCHEDULE — SECTION 2

Project: 20091:AUS CARGO DEVELOPMENT EAST

**L2**

LOCATION: TRANSFER SPACE 150
SUPPLY FROM: L2
A.I.C. RATING: 22,000

| VOLTAGE | PHASE | WIRE | MOUNTING | BUS (A) | LUG | TYPE |
|---|---|---|---|---|---|---|
| 120/208 Wye | 3 | 4 | SURFACE | 400 A | MLO | N1 |

LOAD

| WIRE SIZE | TYPE | USE and/or AREA SERVED | C/B | POLE | CIR | A | B | C | CIR | POLE | C/B | USE and/or AREA SERVED | TYPE | WIRE SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -- | | TURNSTILE GATES, HALLWAY 1 119 | 20 | 1 | 43 | 200 | | | | | | | | -- |
| -- | | | | | | 372 | | | 44 | 1 | 20 | WATER COOLER, TRANSFER SPACE... | 1 | |
| -- | | PAPER TOWEL DISPENSER, Room 13... | 20 | 1 | 45 | | 240 | | | | | | | -- |
| -- | | | | | | | 380 | | 46 | 1 | 20 | EF-2, LEASE AREA 151 | | |
| -- | | WATER COOLER, HALLWAY 2 129 | 20 | 1 | 47 | | | 372 | | | | | | -- |
| -- | | | | | | | | 575 | 48 | 1 | 20 | WH-1 & HWRP-2, JAN. 2 1301 | | |
| -- | 1 | RECEPTACLES Room 130, 131, 132 | 20 | 1 | 49 | 720 | | | | | | | | -- |
| -- | | | | | | 2160 | | | 50 | 1 | 30 | SCALES TRANSFER SPACE 150 | 1 | #10 |
| -- | | FLUSH SENSORS, Room 131, 132 | 20 | 1 | 51 | | 900 | | | | | | | -- |
| -- | | | | | | | 1560 | | 52 | 1 | 20 | UH-1, TRANSFER SPACE 150 | | |
| -- | | OIL INTERCEPTOR, TRANSFER SPACE... | 20 | 1 | 53 | | | 840 | | | | | | -- |
| -- | | | | | | | | 960 | 54 | 1 | 20 | UH-1, TRANSFER SPACE 150 | | |
| | | | | | 55 | 832 | | | | | | | | -- |
| | | CU-6 | 15 | 2 | | 832 | | | 56 | | | | | |
| | | | | | 57 | | 832 | | | 2 | 15 | CU-7 | | |
| -- | | | | | | | 832 | | 58 | | | | | |
| -- | 1 | RECEPTACLES TRANSFER SPACE 150 | 20 | 1 | 59 | | | 1080 | | | | | | -- |
| -- | | | | | | | | 2160 | 60 | 1 | 30 | SCALES TRANSFER SPACE 150 | 1 | #10 |
| -- | 1 | RECEPTACLES TRANSFER SPACE 150 | 20 | 1 | 61 | 1200 | | | | | | | | -- |
| -- | | | | | | 1200 | | | 62 | 1 | 20 | RECEPTACLES TRANSFER SPACE 150 | 1 | |
| -- | 1 | RECEPTACLES TRANSFER SPACE 150 | 20 | 1 | 63 | | 1200 | | | | | | | -- |
| -- | | | | | | | 1200 | | 64 | 1 | 20 | RECEPTACLES TRANSFER SPACE 150 | 1 | |
| #10 | 1 | SCALES TRANSFER SPACE 150 | 30 | 1 | 65 | | | 1200 | | | | | | -- |
| -- | | | | | | | | 1200 | 66 | 1 | 20 | RECEPTACLES TRANSFER SPACE 150 | 1 | |
| -- | 1 | RECEPTACLES TRANSFER SPACE 150 | 20 | 1 | 67 | 1200 | | | | | | | | -- |
| -- | | | | | | 1200 | | | 68 | 1 | 20 | RECEPTACLES TRANSFER SPACE 150 | 1 | |
| -- | 1 | RECEPTACLES TRANSFER SPACE 150 | 20 | 1 | 69 | | 1200 | | | | | | | -- |
| -- | | | | | | | 1200 | | 70 | 1 | 20 | RECEPTACLES TRANSFER SPACE 150 | 1 | |
| -- | 1 | RECEPTACLES TRANSFER SPACE 150 | 20 | 1 | 71 | | | 1200 | | | | | | -- |
| -- | | | | | | | | 1200 | 72 | 1 | 20 | RECEPTACLES TRANSFER SPACE 150 | 1 | |
| -- | 1 | RECEPTACLES TRANSFER SPACE 150 | 20 | 1 | 73 | 1200 | | | | | | | | -- |
| -- | | | | | | 1200 | | | 74 | 1 | 20 | RECEPTACLES TRANSFER SPACE 150 | 1 | |
| -- | 1 | RECEPTACLES TRANSFER SPACE 150 | 20 | 1 | 75 | | 1200 | | | | | | | -- |
| -- | | | | | | | 1200 | | 76 | 1 | 20 | RECEPTACLES TRANSFER SPACE 150 | 1 | |
| -- | 1 | RECEPTACLES TRANSFER SPACE 150 | 20 | 1 | 77 | | | 1200 | | | | | | -- |
| -- | | | | | | | | 1200 | 78 | 1 | 20 | RECEPTACLES TRANSFER SPACE 150 | 1 | |
| #10 | 1 | SCALES TRANSFER SPACE 150 | 30 | 1 | 79 | 2160 | | | | | | | | -- |
| -- | | | | | | 2160 | | | 80 | 1 | 30 | SCALES TRANSFER SPACE 150 | 1 | #10 |
| #10 | 1 | SCALES TRANSFER SPACE 150 | 30 | 1 | 81 | | 2160 | | | | | | | -- |
| -- | | | | | | | 2160 | | 82 | 1 | 30 | SCALES TRANSFER SPACE 150 | 1 | #10 |
| #10 | 1 | SCALES TRANSFER SPACE 150 | 30 | 1 | 83 | | | 2160 | | | | | | -- |
| -- | | | | | | | | 2160 | 84 | 1 | 30 | SCALES TRANSFER SPACE 150 | 1 | #10 |
| | | **TOTAL LOAD PER PHASE** | | | | **19036** | **18664** | **18707** | | | | | | |

① GFCI ② AFCI ③ AFCI/GFCI ④ SHUNT TRIP ⑤ SWD ⑥ HACR ⑦ LOCKABLE — 'NONE - REFER TO SPECIFICATIONS

## FEEDER OCPD AND CONDUCTOR CALCULATION

| LOAD DESCRIPTION | CONNECTED LOAD (VA) | CONNECTED LOAD... | DEM FACTOR... | DEMAND LOAD (VA) | DEMAND LOAD... | NOTES |
|---|---|---|---|---|---|---|
| CONTINUOUS LOADS | 1940 VA | 5 A | 125.00% | 2425 VA | 7 A | |
| DIVERSIFIED LOAD | 360 VA | 1 A | 50.00% | 180 VA | 0 A | |
| MOTORS | 6443 VA | 18 A | 106.46% | 6859 VA | 19 A | |
| NONCONTINUOUS LOADS | 240 VA | 1 A | 100.00% | 240 VA | 1 A | |
| RECEPTACLES | 47424 VA | 132 A | 60.54% | 28712 VA | 80 A | |
| **CONNECTED TOTALS** | **56407 VA** | **157 A** | **DEMAND TOTALS** | **38416 VA** | **107 A** | |

# PANELBOARD SCHEDULE — SECTION 3

Project: 20091:AUS CARGO DEVELOPMENT EAST

**L2**

LOCATION: TRANSFER SPACE 150
SUPPLY FROM: L2
A.I.C. RATING: 22,000

| VOLTAGE | PHASE | WIRE | MOUNTING | BUS (A) | LUG | TYPE |
|---|---|---|---|---|---|---|
| 120/208 Wye | 3 | 4 | SURFACE | 400 A | MLO | N1 |

LOAD

| WIRE SIZE | TYPE | USE and/or AREA SERVED | C/B | POLE | CIR | A | B | C | CIR | POLE | C/B | USE and/or AREA SERVED | TYPE | WIRE SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -- | 1 | RECEPTACLES TRANSFER SPACE 150 | 20 | 1 | 85 | 1200 | | | | | | | | -- |
| -- | | | | | | 1200 | | | 86 | 1 | 20 | RECEPTACLES TRANSFER SPACE 150 | 1 | |
| -- | 1 | RECEPTACLES TRANSFER SPACE 150 | 20 | 1 | 87 | | 1200 | | | | | | | -- |
| -- | | | | | | | 1200 | | 88 | 1 | 20 | RECEPTACLES TRANSFER SPACE 150 | 1 | |
| -- | 1 | RECEPTACLES TRANSFER SPACE 150 | 20 | 1 | 89 | | | 1200 | | | | | | -- |
| -- | | | | | | | | 0 | 90 | 1 | 20 | SPARE | | -- |
| -- | | SPARE | 20 | 1 | 91 | 0 | | | | | | | | -- |
| -- | | | | | | 0 | | | 92 | 1 | 20 | SPARE | | -- |
| -- | | SPARE | 20 | 1 | 93 | | 0 | | | | | | | -- |
| -- | | | | | | | 0 | | 94 | 1 | 20 | SPARE | | -- |
| -- | | SPARE | 20 | 1 | 95 | | | 0 | | | | | | -- |
| -- | | | | | | | | 0 | 96 | 1 | 20 | SPARE | | -- |
| -- | | SPARE | 20 | 1 | 97 | 0 | | | | | | | | -- |
| -- | | | | | | 0 | | | 98 | 1 | 20 | SPARE | | -- |
| -- | | SPARE | 20 | 1 | 99 | | 0 | | | | | | | -- |
| -- | | | | | | | 0 | | 100 | 1 | 20 | SPARE | | -- |
| -- | | SPARE | 20 | 1 | 101 | | | 0 | | | | | | -- |
| -- | | | | | | | | 0 | 102 | 1 | 20 | SPARE | | -- |
| -- | | SPARE | 20 | 1 | 103 | 0 | | | | | | | | -- |
| -- | | | | | | 0 | | | 104 | 1 | 20 | SPARE | | -- |
| | | **TOTAL LOAD PER PHASE** | | | | **2400** | **2400** | **1200** | | | | | | |

① GFCI ② AFCI ③ AFCI/GFCI ④ SHUNT TRIP ⑤ SWD ⑥ HACR ⑦ LOCKABLE — 'NONE - REFER TO SPECIFICATIONS

## FEEDER OCPD AND CONDUCTOR CALCULATION

| LOAD DESCRIPTION | CONNECTED LOAD (VA) | CONNECTED LOAD (Amps) | DEM FACTOR (AVG) | DEMAND LOAD (VA) | DEMAND LOAD (Amps) | NOTES |
|---|---|---|---|---|---|---|
| **CONNECTED TOTALS** | **6000 VA** | **17 A** | **DEMAND TOTALS** | **6000 VA** | **17 A** | |


ATKINS
11801 Domain Blvd., Suite 500 - Austin TX 78758 - (512) 327-6840

ENCOTECH ENGINEERING CONSULTANTS
TBPE Firm 1141 | 8500 Bluffstone Cove, Suite B-103 Austin, Texas 78759 | 512.338.1101


STATE OF TEXAS — SHARON S. BICKFORD — 77390 — LICENSED PROFESSIONAL ENGINEER
08/02/2021

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

**AUS CARGO DEVELOPMENT EAST**

**9402 FREIGHT LN, AUSTIN, TX. 78719**

ABIA Project No.:L13189.026 | Permit Issue No.:000000 | AIP/CNos.: 0-00-0000-00-00

**Austin-Bergstrom International Airport**

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | SY | | | | |
| CHECKED BY: | SB | | | | |
| COORD. CHECK: | JC | | | | |
| FILE NAME: | L13189.026-E-6-05.dwg | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | NTS | No. | Date | Description | By |

KEY MAP — SECTOR J3

DRAWING DESCRIPTION:

**ELECTRICAL PANEL SCHEDULES**

SHEET NO.

**E-6-05**

# PANELBOARD SCHEDULE

SECTION 1

Project: 20091:AUS CARGO DEVELOPMENT EAST

**LHP**

LOCATION: ELEC. 2 128
SUPPLY FROM: TLHP
A.I.C. RATING: 22,000

| VOLTAGE | PHASE | WIRE | MOUNTING | BUS (A) | LUG | TYPE |
|---|---|---|---|---|---|---|
| **120/208 Wye** | **3** | **4** | **SURFACE** | **400 A** | **MCB** | **N1** |

LOAD

| WIRE SIZE | TYPE | USE and/or AREA SERVED | C/B | POLE | CIR | A | B | C | CIR | POLE | C/B | USE and/or AREA SERVED | TYPE | WIRE SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -- | ① | IRRIGATION CONTROLLER | 20 | 1 | 1 | 960 | | | | | | | | -- |
| -- | | | | | | 540 | | | 2 | 1 | 20 | RECEPTACLES LEASE AREA 151 | | |
| -- | | EQUIPMENT RACK, COMM. 126 | 20 | 1 | 3 | | 360 | | | | | | | -- |
| -- | | | | | | | 372 | | 4 | 1 | 20 | WATER COOLER, DRIVER LOUNGE 103 | ① | |
| -- | | EQUIPMENT RACK, COMM. 126 | 20 | 1 | 5 | | | 360 | | | | | | -- |
| -- | | | | | | | | 400 | 6 | 1 | 20 | FAAP, EAST ENTRY 118 | | |
| -- | | SECURITY CAMERAS, PARKING LOT | 20 | 1 | 7 | 600 | | | | | | | | -- |
| -- | | | | | | 1000 | | | 8 | | | | | |
| -- | | RH-1,2,24,25 LEASE AREA 151 | 20 | 1 | 9 | | 480 | | | 2 | 20 | EH-1, F.R. 102 | | |
| -- | | | | | | | 1000 | | 10 | | | | | |
| -- | | FACP, F.R. 102 | 20 | 1 | 11 | | | 400 | | | | | | -- |
| -- | | | | | | | | 1260 | 12 | 1 | 20 | EXTERIOR BLDG, RECEPTACLES | ① | |
| -- | | EQUIPMENT RACK, COMM. 126 | 20 | 1 | 13 | 360 | | | | | | | | -- |
| -- | | | | | | 840 | | | 14 | 1 | 15 | REMOTE DATA CABINET A/C 'RAC-1' | | |
| -- | | RECEPTACLES COMM. 126 | 20 | 1 | 15 | | 360 | | | | | | | -- |
| -- | | | | | | | 840 | | 16 | 1 | 20 | REMOTE DATA CABINET A/C 'RAC-2' | | |
| -- | | EXTERIOR BLDG. RECEPTACLES | 20 | 1 | 17 | | | 360 | | | | | | -- |
| -- | | | | | | | | 180 | 18 | 1 | 20 | RECEPTACLES COMM. 126 | | |
| -- | | EXTERIOR BUILDING SIGN #1 | 20 | 1 | 19 | 1200 | | | | | | | | -- |
| -- | | | | | | 3200 | | | 20 | | | | | |
| -- | | EXTERIOR BUILDING SIGN #2 | 20 | 1 | 21 | | 1200 | | | | | | | -- |
| -- | | | | | | | 0 | | 22 | 3 | 60 | PANELBOARD 'RLC1' | | #6 |
| -- | | REMOTE DATA CABINET A/C 'RAC-3' | 20 | 1 | 23 | | | 840 | | | | | | -- |
| -- | | | | | | | | 0 | 24 | | | | | |
| -- | | EXTERIOR BUILDING SIGN #3 | 20 | 1 | 25 | 1200 | | | | | | | | -- |
| -- | | | | | | 1200 | | | 26 | 1 | 20 | EXTERIOR BUILDING SIGN #4 | | |
| #6 | | PANELBOARD 'RLC2' | 60 | 3 | 27 | | 3200 | | | | | | | -- |
| | | | | | | | 1200 | | 28 | 1 | 20 | EXTERIOR BUILDING SIGN #5 | | |
| | | | | | 29 | | | 0 | | | | | | -- |
| | | | | | | | | 3200 | 30 | | | | | |
| | | | | | 31 | 0 | | | | | | | | |
| -- | | | | | | 0 | | | 32 | 3 | 60 | PANELBOARD 'RLC3' | | #6 |
| -- | | ACCESS CONTROL WALL FIELD, 126... | 20 | 1 | 33 | | 1200 | | | | | | | |
| -- | | | | | | | 0 | | 34 | | | | | |
| -- | | RED OBSTRUCTION LIGHTS - POLE... | 20 | 1 | 35 | | | 464 | | | | | | -- |
| -- | | | | | | | | 0 | 36 | 1 | 20 | SPARE | | -- |
| -- | | SPARE | 20 | 1 | 37 | 0 | | | | | | | | -- |
| -- | | | | | | 0 | | | 38 | 1 | 20 | SPARE | | -- |
| | | | | | 39 | | 3120 | | | | | | | -- |
| -- | | FUTURE SPACE FOR EV CHARGER #1* | 40 | 2 | | | 0 | | 40 | | | | | |
| | | | | | 41 | | | 3120 | | 2 | 40 | FUTURE SPACE FOR EV CHARGER #2* | | -- |
| -- | | | | | | | | 3120 | 42 | | | | | |
| **TOTAL LOAD PER PHASE** | | | | | | **32940** | **35172** | **38664** | | | | | | |

① GFCI ② AFCI ③ AFCI/GFCI ④ SHUNT TRIP ⑤ SWD ⑥ HACR ⑦ LOCKABLE

'NONE - REFER TO SPECIFICATIONS

## FEEDER OCPD AND CONDUCTOR CALCULATION

| LOAD DESCRIPTION | CONNECTED LOAD (VA) | CONNECTED LOAD... | DEM FACTOR... | DEMAND LOAD (VA) | DEMAND LOAD... | NOTES |
|---|---|---|---|---|---|---|
| CONTINUOUS LOADS | 2000 VA | 6 A | 125.00% | 2500 VA | 7 A | *Do not provide circuit breakers for Future EV Charger spaces. |
| HEATING | 2000 VA | 6 A | 100.00% | 2000 VA | 6 A | |
| LIGHTING | 7064 VA | 20 A | 125.00% | 8830 VA | 25 A | |
| MOTORS | 3000 VA | 8 A | 107.00% | 3210 VA | 9 A | |
| RECEPTACLES | 14712 VA | 41 A | 83.99% | 12356 VA | 34 A | |
| Spare | 78000 VA | 217 A | 60.00% | 46800 VA | 130 A | |
| **CONNECTED TOTALS** | **106776 VA** | **296 A** | **DEMAND TOTALS** | **75696 VA** | **210 A** | |

# PANELBOARD SCHEDULE

SECTION 2

Project: 20091:AUS CARGO DEVELOPMENT EAST

**LHP**

LOCATION: ELEC. 2 128
SUPPLY FROM: LHP
A.I.C. RATING: 22,000

| VOLTAGE | PHASE | WIRE | MOUNTING | BUS (A) | LUG | TYPE |
|---|---|---|---|---|---|---|
| **120/208 Wye** | **3** | **4** | **SURFACE** | **400 A** | **MLO** | **N1** |

LOAD

| WIRE SIZE | TYPE | USE and/or AREA SERVED | C/B | POLE | CIR | A | B | C | CIR | POLE | C/B | USE and/or AREA SERVED | TYPE | WIRE SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 43 | 0 | | | | | | | | |
| -- | | FUTURE SPACE FOR EV CHARGER #3* | 40 | 2 | | 0 | | | 44 | | | | | -- |
| | | | | | 45 | | 0 | | | 2 | 40 | FUTURE SPACE FOR EV CHARGER #4* | | |
| -- | | | | | | | 0 | | 46 | | | | | -- |
| | | | | | 47 | | | 3120 | | | | | | -- |
| -- | | FUTURE SPACE FOR EV CHARGER * | 40 | 2 | | | | 3120 | 48 | | | | | |
| | | | | | 49 | 3120 | | | | 2 | 40 | FUTURE SPACE FOR EV CHARGER #6* | | -- |
| -- | | | | | | 3120 | | | 50 | | | | | -- |
| | | | | | 51 | | 3120 | | | | | | | -- |
| -- | | FUTURE SPACE FOR EV CHARGER #7* | 40 | 2 | | | 3120 | | 52 | | | | | |
| | | | | | 53 | | | 3120 | | 2 | 40 | FUTURE SPACE FOR EV CHARGER #8* | | -- |
| -- | | | | | | | | 3120 | 54 | | | | | -- |
| | | | | | 55 | 3120 | | | | | | | | -- |
| -- | | FUTURE SPACE FOR EV CHARGER #9* | 40 | 2 | | 3120 | | | 56 | | | | | |
| | | | | | 57 | | 3120 | | | 2 | 40 | FUTURE SPACE FOR EV CHARGER #10* | | -- |
| -- | | | | | | | 3120 | | 58 | | | | | -- |
| | | | | | 59 | | | 3120 | | | | | | -- |
| -- | | FUTURE SPACE FOR EV CHARGER #11* | 40 | 2 | | | | 3120 | 60 | | | | | |
| | | | | | 61 | 3120 | | | | 2 | 40 | FUTURE SPACE FOR EV CHARGER #12* | | -- |
| -- | | | | | | 3120 | | | 62 | | | | | |
| | | | | | 63 | | 3120 | | | | | | | -- |
| -- | | FUTURE SPACE FOR EV CHARGER #13* | 40 | 2 | | | 3120 | | 64 | | | | | |
| | | | | | 65 | | | 3120 | | 2 | 40 | FUTURE SPACE FOR EV CHARGER #14* | | -- |
| -- | | | | | | | | 3120 | 66 | | | | | |
| | | | | | 67 | 3120 | | | | | | | | -- |
| -- | | FUTURE SPACE FOR EV CHARGER #15* | 40 | 2 | | -- | | | 68 | 1 | -- | SPACE | | -- |
| | | | | | 69 | | 3120 | | | | | | | -- |
| -- | | | | | | | -- | | 70 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 71 | | | -- | | | | | | -- |
| -- | | | | | | | | -- | 72 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 73 | -- | | | | | | | | -- |
| -- | | | | | | -- | | | 74 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 75 | | -- | | | | | | | -- |
| -- | | | | | | | -- | | 76 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 77 | | | -- | | | | | | -- |
| -- | | | | | | | | -- | 78 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 79 | -- | | | | | | | | -- |
| -- | | | | | | -- | | | 80 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 81 | | -- | | | | | | | -- |
| -- | | | | | | | -- | | 82 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 83 | | | -- | | | | | | -- |
| -- | | | | | | | | -- | 84 | 1 | -- | SPACE | | -- |
| **TOTAL LOAD PER PHASE** | | | | | | **21840** | **21840** | **24960** | | | | | | |

① GFCI ② AFCI ③ AFCI/GFCI ④ SHUNT TRIP ⑤ SWD ⑥ HACR ⑦ LOCKABLE

'NONE - REFER TO SPECIFICATIONS

## FEEDER OCPD AND CONDUCTOR CALCULATION

| LOAD DESCRIPTION | CONNECTED LOAD (VA) | CONNECTED LOAD... | DEM FACTOR... | DEMAND LOAD (VA) | DEMAND LOAD... | NOTES |
|---|---|---|---|---|---|---|
| Spare | 68640 VA | 191 A | 60.00% | 41184 VA | 114 A | *Do not provide circuit breakers for Future EV Charger spaces. |
| **CONNECTED TOTALS** | **68640 VA** | **191 A** | **DEMAND TOTALS** | **41184 VA** | **114 A** | |

# PANELBOARD SCHEDULE

Project: 20091:AUS CARGO DEVELOPMENT EAST

**RLC1**

LOCATION: AIRSIDE TARMAC
SUPPLY FROM: LHP
A.I.C. RATING: 22,000

| VOLTAGE | PHASE | WIRE | MOUNTING | BUS (A) | LUG | TYPE |
|---|---|---|---|---|---|---|
| **120/208 Wye** | **3** | **4** | **SURFACE** | **60 A** | **MCB** | **N3R** |

LOAD

| WIRE SIZE | TYPE | USE and/or AREA SERVED | C/B | POLE | CIR | A | B | C | CIR | POLE | C/B | USE and/or AREA SERVED | TYPE | WIRE SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RECEPTACLES | 20 | 1 | 1 | 1600 | | | | | | | | -- |
| -- | | | | | | 1600 | | | 2 | 1 | 20 | RECEPTACLES | | |
| -- | | SPARE | 20 | 1 | 3 | | 0 | | | | | | | -- |
| -- | | | | | | | 0 | | 4 | 1 | 20 | SPARE | | -- |
| -- | | SPACE | -- | 1 | 5 | | | -- | | | | | | -- |
| -- | | | | | | | | -- | 6 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 7 | -- | | | | | | | | -- |
| -- | | | | | | -- | | | 8 | 1 | -- | SPACE | | -- |
| **TOTAL LOAD PER PHASE** | | | | | | **3200** | **0** | **0** | | | | | | |

① GFCI ② AFCI ③ AFCI/GFCI ④ SHUNT TRIP ⑤ SWD ⑥ HACR ⑦ LOCKABLE

'NONE - REFER TO SPECIFICATIONS

## FEEDER OCPD AND CONDUCTOR CALCULATION

| LOAD DESCRIPTION | CONNECTED LOAD (VA) | CONNECTED LOAD... | DEM FACTOR... | DEMAND LOAD (VA) | DEMAND LOAD... | NOTES |
|---|---|---|---|---|---|---|
| RECEPTACLES | 3200 VA | 9 A | 100.00% | 3200 VA | 9 A | |
| **CONNECTED TOTALS** | **3200 VA** | **9 A** | **DEMAND TOTALS** | **3200 VA** | **9 A** | |

# PANELBOARD SCHEDULE

Project: 20091:AUS CARGO DEVELOPMENT EAST

**RLC2**

LOCATION: AIRSIDE TARMAC
SUPPLY FROM: LHP
A.I.C. RATING: 22,000

| VOLTAGE | PHASE | WIRE | MOUNTING | BUS (A) | LUG | TYPE |
|---|---|---|---|---|---|---|
| **120/208 Wye** | **3** | **4** | **SURFACE** | **60 A** | **MCB** | **N3R** |

LOAD

| WIRE SIZE | TYPE | USE and/or AREA SERVED | C/B | POLE | CIR | A | B | C | CIR | POLE | C/B | USE and/or AREA SERVED | TYPE | WIRE SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RECEPTACLES | 20 | 1 | 1 | 1600 | | | | | | | | -- |
| -- | | | | | | 1600 | | | 2 | 1 | 20 | RECEPTACLES | | |
| -- | | SPARE | 20 | 1 | 3 | | 0 | | | | | | | -- |
| -- | | | | | | | 0 | | 4 | 1 | 20 | SPARE | | -- |
| -- | | SPACE | -- | 1 | 5 | | | -- | | | | | | -- |
| -- | | | | | | | | -- | 6 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 7 | -- | | | | | | | | -- |
| -- | | | | | | -- | | | 8 | 1 | -- | SPACE | | -- |
| **TOTAL LOAD PER PHASE** | | | | | | **3200** | **0** | **0** | | | | | | |

① GFCI ② AFCI ③ AFCI/GFCI ④ SHUNT TRIP ⑤ SWD ⑥ HACR ⑦ LOCKABLE

'NONE - REFER TO SPECIFICATIONS

## FEEDER OCPD AND CONDUCTOR CALCULATION

| LOAD DESCRIPTION | CONNECTED LOAD (VA) | CONNECTED LOAD... | DEM FACTOR... | DEMAND LOAD (VA) | DEMAND LOAD... | NOTES |
|---|---|---|---|---|---|---|
| RECEPTACLES | 3200 VA | 9 A | 100.00% | 3200 VA | 9 A | |
| **CONNECTED TOTALS** | **3200 VA** | **9 A** | **DEMAND TOTALS** | **3200 VA** | **9 A** | |

# PANELBOARD SCHEDULE

Project: 20091:AUS CARGO DEVELOPMENT EAST

**RLC3**

LOCATION: AIRSIDE TARMAC
SUPPLY FROM: LHP
A.I.C. RATING: 22,000

| VOLTAGE | PHASE | WIRE | MOUNTING | BUS (A) | LUG | TYPE |
|---|---|---|---|---|---|---|
| **120/208 Wye** | **3** | **4** | **SURFACE** | **60 A** | **MCB** | **N3R** |

LOAD

| WIRE SIZE | TYPE | USE and/or AREA SERVED | C/B | POLE | CIR | A | B | C | CIR | POLE | C/B | USE and/or AREA SERVED | TYPE | WIRE SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RECEPTACLES | 20 | 1 | 1 | 1600 | | | | | | | | -- |
| -- | | | | | | 1600 | | | 2 | 1 | 20 | RECEPTACLES | | |
| -- | | SPARE | 20 | 1 | 3 | | 0 | | | | | | | -- |
| -- | | | | | | | 0 | | 4 | 1 | 20 | SPARE | | -- |
| -- | | SPACE | -- | 1 | 5 | | | -- | | | | | | -- |
| -- | | | | | | | | -- | 6 | 1 | -- | SPACE | | -- |
| -- | | SPACE | -- | 1 | 7 | -- | | | | | | | | -- |
| -- | | | | | | -- | | | 8 | 1 | -- | SPACE | | -- |
| **TOTAL LOAD PER PHASE** | | | | | | **3200** | **0** | **0** | | | | | | |

① GFCI ② AFCI ③ AFCI/GFCI ④ SHUNT TRIP ⑤ SWD ⑥ HACR ⑦ LOCKABLE

'NONE - REFER TO SPECIFICATIONS

## FEEDER OCPD AND CONDUCTOR CALCULATION

| LOAD DESCRIPTION | CONNECTED LOAD (VA) | CONNECTED LOAD... | DEM FACTOR... | DEMAND LOAD (VA) | DEMAND LOAD... | NOTES |
|---|---|---|---|---|---|---|
| RECEPTACLES | 3200 VA | 9 A | 100.00% | 3200 VA | 9 A | |
| **CONNECTED TOTALS** | **3200 VA** | **9 A** | **DEMAND TOTALS** | **3200 VA** | **9 A** | |


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STATE OF TEXAS
SHARON S. BICKFORD
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08/02/2021

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

Permit Issue No.:000000 | AIP/CNos.: 0-00-0000-00-00

ABIA Project No.:L13189.026

Austin-Bergstrom International Airport

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|---|---|---|---|---|---|
| DRAWN BY: | SY | | | | |
| CHECKED BY: | SB | | | | |
| COORD. CHECK: | JC | | | | |
| FILE NAME: | L13189.026-E-6-06.dwg | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | NTS | No. | Date | Description | By |

KEY MAP

SECTOR J3

DRAWING DESCRIPTION:

**ELECTRICAL PANEL SCHEDULES**

SHEET NO.

**E-6-06**

# PLUMBING SYMBOLS AND ABBREVIATIONS

(NOTE: ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS)

## EQUIPMENT DESIGNATIONS

| | |
|---|---|
| ARC – 1 | EQUIPMENT TYPE FROM LIST - SCHEDULED UNIT NUMBER |
| AC | AIR COMPRESSOR |
| ACU | AIR CONDITIONING UNIT |
| AF | AIR FILTER |
| AHU | AIR HANDLING UNIT |
| AS | AIR SEPARATOR |
| ATU | AIR TERMINAL UNIT |
| B | BOILER |
| BFP | BOILER FEEDWATER PUMP |
| BP | BOOSTER PUMP (WATER PRESSURE) |
| BR | BASEBOARD RADIATION |
| BS | BLOWDOWN SEPARATOR |
| C | CHILLER |
| CC | COOLING COIL |
| CRP | CONDENSATE RECEIVER PUMP UNIT |
| CRU | COMPUTER ROOM UNIT |
| CT | COOLING TOWER |
| CTH | COOLING TOWER HEATER |
| CU | CONDENSING UNIT (AIR COOLED) |
| DC | DRY COOLER |
| EC | EVAPORATIVE COOLER |
| EEW | EMERGENCY EYE WASH (& SHOWER) |
| EHC | ELECTRIC HEATING COIL |
| ET | EXPANSION TANK |
| EWC | ELECTRIC WATER COOLER |
| EWH | ELECTRIC WATER HEATER |
| FCU | FAN COIL UNIT |
| FCV | FLOW CONTROL VALVE (AUTOMATIC) |
| FD | FLOOR DRAIN |
| FP | FIRE PUMP |
| FTU | FAN TERMINAL UNIT |
| GRV | GRAVITY ROOF VENTILATOR |
| GWH | GAS WATER HEATER |
| H | HUMIDIFIER |
| HC | HEATING COIL |
| HPA | HEAT PUMP, AIR SOURCE |
| HPW | HEAT PUMP, WATER SOURCE |
| HWRP | HOT WATER RECIRCULATING PUMP |
| JP | JOCKEY PUMP |
| L | LAVATORY |
| MS | MOP SINK |
| MD | MOTORIZED DAMPER |
| P | PUMP |
| PP | PLUMBING PUMP |
| PRV | PRESSURE REDUCING VALVE |
| RC | REFRIGERANT COMPRESSOR |
| RH | RADIANT HEATING PANEL |
| RV | RELIEF VALVE |
| RVB | REFRIGERATOR VALVE BOX |
| RTU | ROOF TOP UNIT |
| SE | SEWAGE EJECTOR |
| SP | SUMP PUMP |
| UH | UNIT HEATER |
| VB | VALVE BOX |
| VRP | VACUUM RETURN PUMP UNIT |
| WH | WALL HYDRANT |
| SH | SHOWER |
| SK | SINK |
| U | URINAL |
| WC | WATER CLOSET |

## ABBREVIATION DESCRIPTION

| | |
|---|---|
| A | AMPERES |
| AC | ABOVE CEILING |
| A/C | AIR CONDITIONING |
| AD | ACCESS DOOR |
| AFF | ABOVE FINISHED FLOOR |
| APPROX | APPROXIMATE |
| AUTO | AUTOMATIC |
| ARCH | ARCHITECTURAL |
| AUX | AUXILIARY |
| BFP | BACKFLOW PREVENTER |
| BG | BELOW GRADE |
| BLDG | BUILDING |
| BOS | BOTTOM STRUCTURE |
| BOP | BOTTOM OF PIPE |
| BTU | BRITISH THERMAL UNIT |
| C | CONDENSATE |
| CAP | CAPACITY |
| CAT | CATEGORY |
| CF | CUBIC FEET |
| CFH | CUBIC FEET PER HOUR |
| CFM | CUBIC FEET PER MINUTE |
| CI | CAST IRON |
| CLG | CEILING |
| CO | CLEAN OUT |
| CONN | CONNECTION |
| CONT | CONTINUE OR CONTINUATION |
| CONTR | CONTRACTOR |
| COL | COLUMN |
| CU | COPPER |
| CV | CONTROL VALVE |
| CW | COLD WATER |
| DEG | DEGREES (°) |
| DIW | DEIONIZED WATER |
| DIWR | DEIONIZED WATER RETURN |
| DEPT | DEPARTMENT |
| DF | DRINKING FOUNTAIN |
| DFU | DRAINAGE FIXTURE UNIT |
| DIA | DIAMETER (Ø) |
| DIR | DIRECTION |
| DISC | DISCONNECT |
| DIV | DIVISION |
| DN | DOWN |
| DWG | DRAWING |
| DSN | DOWNSPOUT NOZZLE |
| DYCO | DOUBLE YARD CLEANOUT |
| ELEC | ELECTRIC OR ELECTRICAL |
| ELEV | ELEVATION |
| EMCS | ENERGY MANAGE. CONTROL SYS. |
| EMER | EMERGENCY |
| EOD | EMERGENCY OVERFLOW DRAIN |
| EP | EXPLOSION PROOF |
| EWT | ENTERING WATER TEMPERATURE |
| EXH | EXHAUST |
| (E) | EXISTING |
| FC | FLEXIBLE CONNECTION |
| FCO | FLOOR CLEAN OUT |
| FD | FLOOR DRAIN |
| FDC | FIRE DEPT CONNECTION |
| FE | FIRE EXTINGUISHER |
| FEC | FIRE EXTINGUISHER CABINET |
| FF | FINISHED FLOOR |
| FFE | FINISHED FLOOR ELEVATION |
| FG | FINISHED GRADE |
| FL | FLOOR |
| FP | FIRE PROTECTION |
| FPI | FINS PER INCH |
| FPM | FEET PER MINUTE |
| FT | FEET (') |
| GA | GAUGE |
| GAL | GALLON(S) |
| GPH | GALLONS PER HOUR |
| GPM | GALLONS PER MINUTE |
| GR | GRADE |
| GRD | GROUND |
| HB | HOSE BIBB |
| HD | HUB DRAIN |
| HT | HEIGHT |
| HW | HOT WATER |
| IE | INVERT ELEVATION |
| INC | INCLUDE OR INCLUDED |
| IN | INCHES (") |
| IW | INDIRECT WASTE |
| KW | KILOWATTS |
| LAV | LAVATORY |
| LB | POUNDS |
| LTG | LIGHTING |
| LWT | LEAVING WATER TEMPERATURE |
| MA | MEDICAL AIR |
| MAX | MAXIMUM |
| MB | MOP BASIN |
| MBH | THOUSAND BTU PER HOUR |
| MCC | MOTOR CONTROL CENTER |
| MECH. | MECHANICAL |
| MIN | MINIMUM |
| MFR. | MANUFACTURER |
| MH | MANHOLE |
| MIN. | MINUTES |
| MTD | MOUNTED |
| MTR | MOTOR |
| $N_2$ | NITROGEN |
| $N_2O$ | NITROUS OXIDE |
| NC | NORMALLY CLOSED |
| (N) | NEW |
| NIC | NOT IN CONTRACT |
| NO | NORMALLY OPEN |
| NTS | NOT TO SCALE |
| OD | OVERFLOW DRAIN |
| OH | OVER HEAD |
| OS&Y | OUTSIDE SCREW AND YOKE |
| PRESS | PRESSURE |
| PH | PHASE |
| PIV | POST INDICATOR VALVE |
| PLBG | PLUMBING |
| PNL | PANEL |
| PPH | POUNDS PER HOUR |
| PRD | PRIMARY ROOF DRAIN |
| PRS | PRESSURE REDUCING STATION |
| PRV | PRESSURE REGULATING VALVE |
| PSI | POUNDS PER SQUARE INCH |
| PSIG | PRESSURE IN PSI GAUGE |
| PVC | POLYVINYL CHLORIDE |
| QTY | QUANTITY |
| RCP | REINFORCED CONCRETE PIPE |
| RD | ROOF DRAIN |
| RE: | REFER TO |
| REF | REFERENCE, CALLED OUT ELSEWHERE |
| REQD | REQUIRED |
| RL | ROOF DRAIN LEADER |
| RM | ROOM |
| RO | REVERSE OSMOSIS |
| RPM | REVOLUTIONS PER MINUTE |
| SRD | SECONDARY ROOF DRAIN |
| SF | SQUARE FEET |
| SHT | SHEET |
| SP | STATIC PRESSURE |
| SPEC | SPECIFICATION |
| SQ | SQUARE |
| STL | STEEL |
| SW | SOFT WATER |
| TD | TRENCH DRAIN |
| TEMP | TEMPORARY |
| TP | TRAP PRIMER |
| T&PRV | TEMPERATURE & PRESSURE RELIEF VALVE |
| TYP | TYPICAL |
| UNO | UNLESS NOTED OTHERWISE |
| UTIL | UTILITY |
| VB | VACUUM BREAKER |
| VERT | VERTICAL |
| VTR | VENT THROUGH ROOF |
| W/ | WITH |
| WCO | WALL CLEAN OUT |
| WH | WALL HYDRANT |
| WTR | WATER |
| YD | YARD DRAIN |
| YCO | YARD CLEANOUT |

## GENERAL SYMBOLS

| | |
|---|---|
| 101 | ROOM NUMBER |
| P 1 | PLUMBING RISER |
| 2 | KEYED NOTES |
| 2 | REVISIONS |
| | CONNECTION TO EXISTING |
| | SCHEMATIC FAN OR PUMP |
| S | TEMPERATURE SENSOR |

## GENERAL NOTES:

1. SCOPE OF PLUMBING WORK IS TO FURNISH AND INSTALL ALL FIXTURES, EQUIPMENT, PLUMBING AND PIPING. ALSO IN THE SCOPE ARE MISCELLANEOUS FIXTURES, EQUIPMENT, PLUMBING AND PIPING ON SITE.
2. THESE DRAWINGS INDICATE THE GENERAL EXTENT OF WORK AND ARE NOT INTENDED TO INDICATE OR DESCRIBE ALL WORK REQUIRED FOR THE FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
3. ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE.
4. ALL TEMPERATURES ARE IN DEGREES F° UNLESS NOTED OTHERWISE.
5. WHEREVER HOT AND COLD WATER CONTROLS, FAUCETS, VALVES OR STOP VALVES ARE INSTALLED TOGETHER, HOT SHALL BE ON LEFT AND COLD SHALL BE ON RIGHT AS SEEN BY THE USER.
6. SOME SYMBOLS SHOWN MAY NOT BE USED.
7. REFER TO ARCHITECTURAL DRAWINGS FOR MOST ACCURATE WALLS, CEILING ELEMENTS AND PLUMBING FIXTURE LOCATIONS.
8. UTILITY LOCATIONS ARE APPROXIMATE AND ARE BASED ON INFORMATION SUPPLIED BY OTHERS. PHYSICALLY VERIFY LOCATIONS AND ELEVATIONS BEFORE BEGINNING WORK.
9. WASTE PIPING IS GENERALLY UNDER THE FLOOR. ALL OTHER PIPING IS GENERALLY ABOVE THE FLOOR OR CEILING EXCEPT AS INDICATED, OR AS NECESSARY.
10. PIPING SHALL BE ROUTED HIDDEN FROM VIEW. WHERE PIPING CANNOT BE HIDDEN FROM VIEW, OBTAIN ARCHITECT APPROVAL OF ROUTING AND FINISHED APPEARANCE OF PIPING.
11. CONTRACTOR SHALL FIELD VERIFY EXISTING DOMESTIC WATER PRESSURE AND PROVIDE PRESSURE REDUCING VALVE IF WATER PRESSURE IS GREATER THAN 80 P.S.I.. PRESSURE REDUCING VALVE SHALL BE SET BETWEEN 75 TO 80 P.S.I..
12. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND SUBMITTING BID.
13. REFER TO ARCHITECTURAL DRAWING FOR MOUNTING HEIGHT OF PLUMBING FIXTURES.
14. CONTRACTOR SHALL COORDINATE WITH ALL TRADES DURING CONSTRUCTION.
15. SANITARY AND STORM PIPING SHALL MAINTAIN A DOWNWARD SLOPE AT ALL TIMES. SLOPE ALL PIPING WITH A 2" DIAMETER AT 1/4" PER FOOT. SLOPE ALL PIPING WITH A 3" TO 6" DIAMETER AT 1/8" PER FOOT. SLOPE ALL PIPING WITH AN 8" DIAMETER OR GREATER AT 1/16" PER FOOT. UNLESS OTHERWISE NOTED.
16. REFER TO ARCHITECTURAL ELEVATION AND SECTIONS PRIOR TO ROUTING OF PIPING.
17. INSTALL FLUSH VALVE HANDLE FOR WATER CLOSET ON OPEN SIDE OF ADA STALL.
19. VERIFY COMPLIANCE WITH IFC 3206.2 WHERE APPLICABLE.
20. CONTRACTOR TO PROVIDE AND INSTALL HYDRAULIC SHOCK ARRESTORS FOR THE DOMESTIC WATER SYSTEM AS SCHEDULED ON SHEET P-6-01 AND AS REQUIRED BY THE AHJ. PROVIDE ACCESS PANELS WHERE REQUIRED.

## PIPING DESIGNATIONS

| | |
|---|---|
| CW | DOMESTIC POTABLE COLD WATER |
| HW | DOMESTIC HOT WATER SUPPLY |
| HWR | DOMESTIC HOT WATER RETURN (NEW) |
| SS | SANITARY SEWER (BELOW FLOOR) |
| V | VENT |
| G | GAS |
| FP | FIRE PROTECTION |

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/C Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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|---|---|---|---|---|
| DRAWN BY: ON | | | | |
| CHECKED BY: BH | | | | |
| COORD. CHECK: TT / KP | | | | |
| FILE NAME: L13189.026-A-1-02.dwg | | | | |
| DATE: 02AUG21 | | | | |
| SCALE: 1/8" = 1'-0" | No. | Date | Description | By |

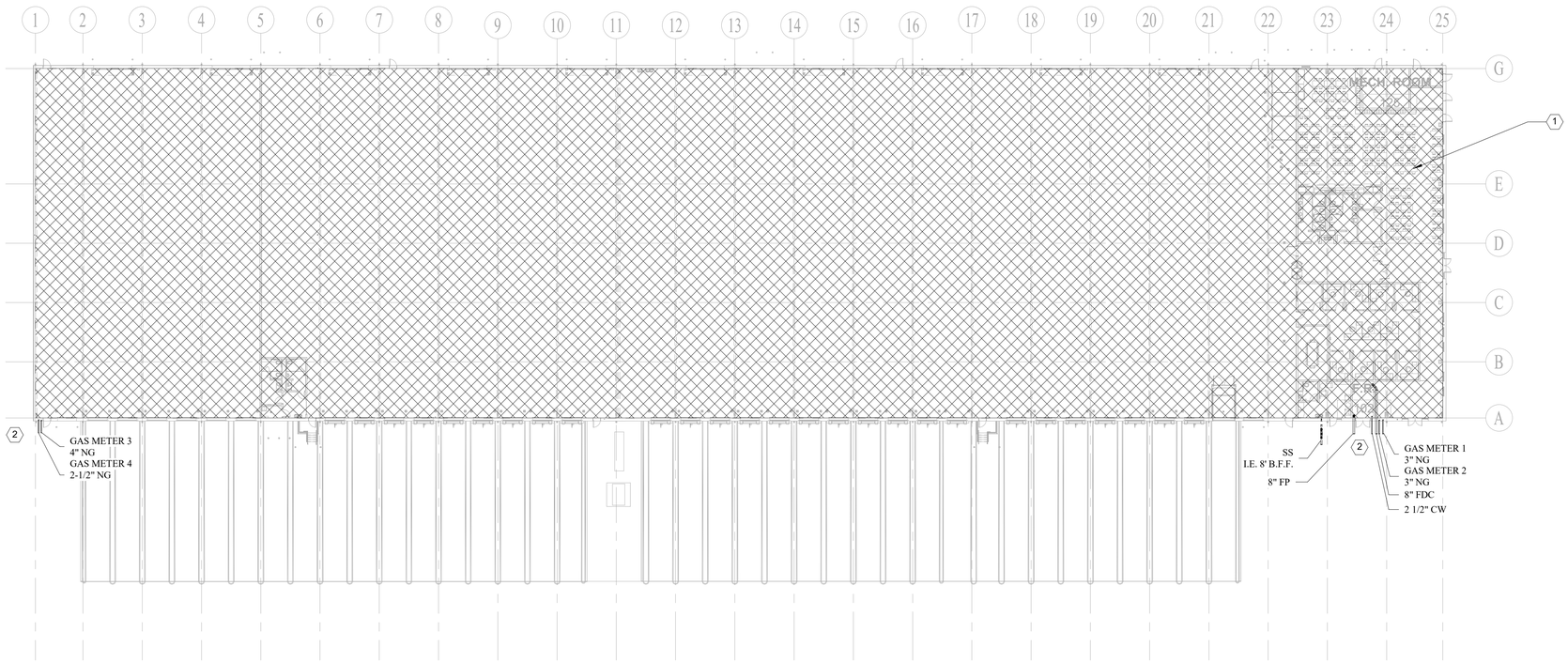
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**SYMBOLS & ABBREVIATIONS**

SHEET NO.

**P-0-00**




1 Plumbing Utilities Plan
1" = 30'-0"

PLAN NORTH

0' 30' 60' 90' 120'

SCALE: 1"=30'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

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**KEYED NOTES (1/P-1-01)**

1. REFER TO BUILDING FLOOR PLANS
2. REFER TO THE CIVIL DRAWINGS FOR UTILITY CONNECTIONS. GAS METERS ARE LOCATED ON THE CIVIL DRAWINGS AND THE GAS LINE CONNECTIONS TO THE BUILDING REPRESENTED ON THIS SHEET ARE REGULATED AND METERED SUPPLY GAS LINES.

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

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Austin-Bergstrom International Airport

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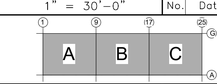
| FILE NAME: L13189.026-A-1-02.dwg | | | | |
| DATE: 02AUG21 | | | | |
| SCALE: 1" = 30'-0" | No. | Date | Description | By |

KEY MAP



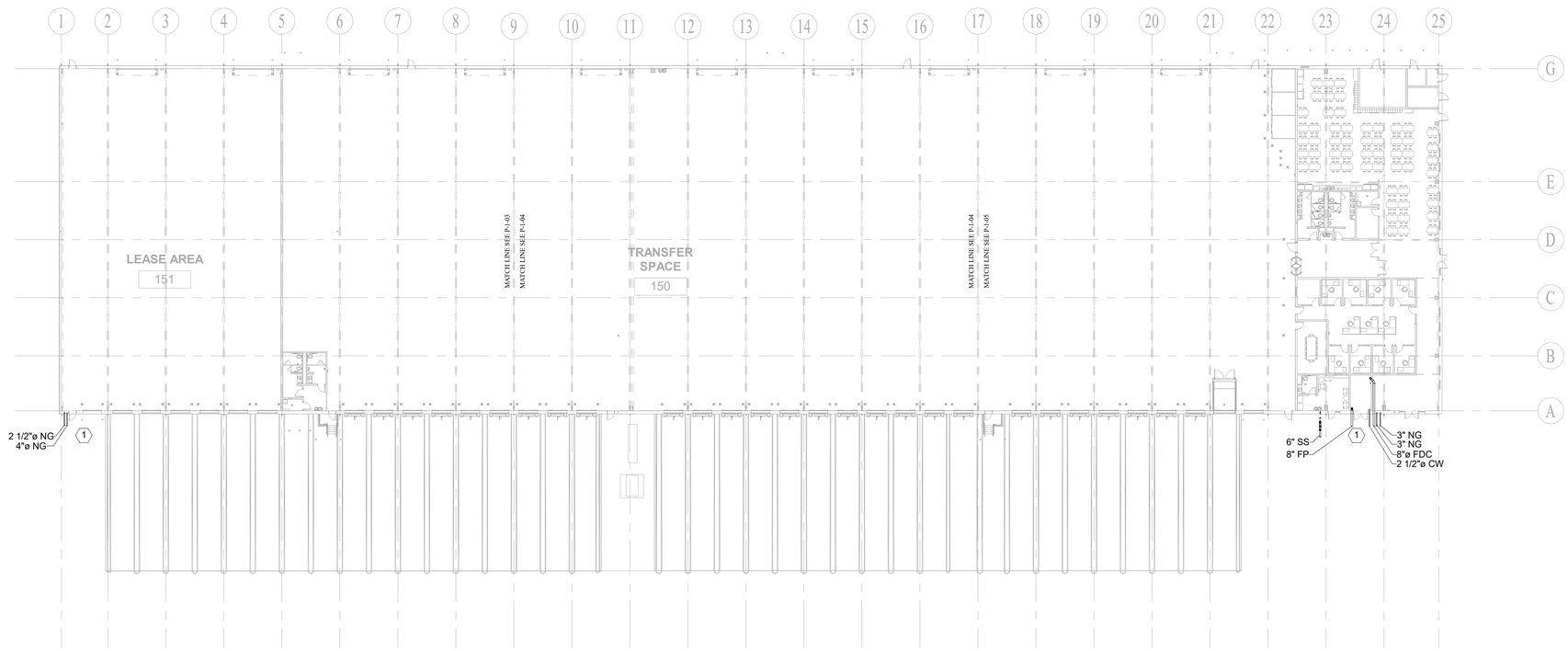

SECTOR J3

DRAWING DESCRIPTION:

**PLUMBING UTILITIES PLAN**

SHEET NO.

**P-1-01**




1 PLUMBING FLOOR PLAN
1" = 30'-0"

PLAN NORTH

0' 30' 60' 90' 120'

SCALE: 1"=30'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

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**KEYED NOTES (1/P-1-02)**

1. REFER TO THE CIVIL DRAWINGS FOR UTILITY CONNECTIONS. GAS METERS ARE LOCATED ON THE CIVIL DRAWINGS AND THE GAS LINE CONNECTIONS TO THE BUILDING REPRESENTED ON THIS SHEET ARE REGULATED AND METERED SUPPLY GAS LINES.

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

**9402 FREIGHT LN. AUSTIN, TX. 78719**

ABIA Project No:L13189.026|Permit Issue No:00000|AIP/C Nos.: 0-00-0000-00-00

**Austin-Bergstrom International Airport**

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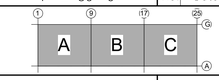
| FILE NAME: L13189.026-A-1-02.dwg | | | | |
| DATE: 02AUG21 | | | | |
| SCALE: 1" = 30'-0" | No. | Date | Description | By |

KEY MAP



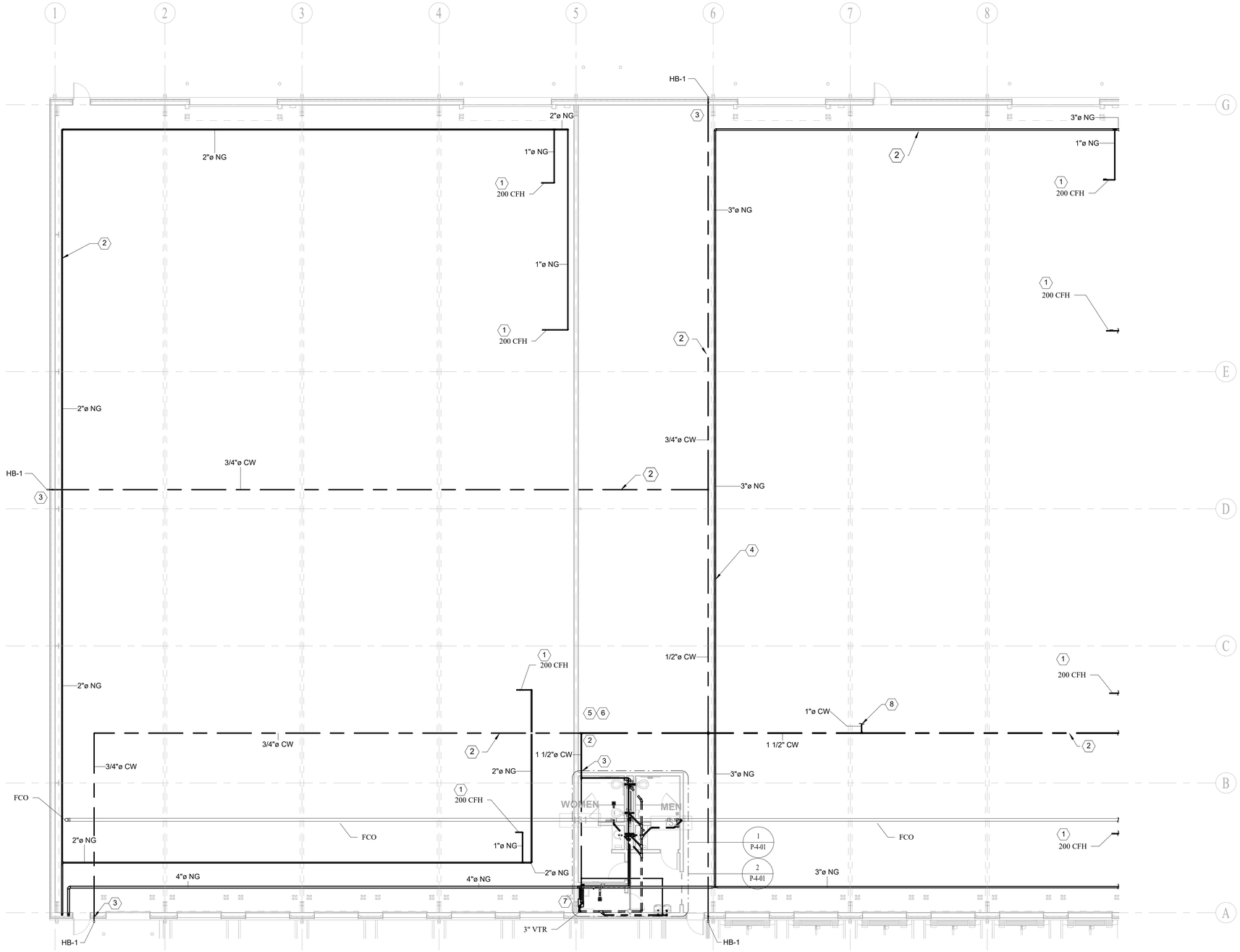

SECTOR J3

DRAWING DESCRIPTION:

**FIRST FLOOR PLAN**

SHEET NO.

**P-1-02**




1 PLUMBING - FLOOR PLAN - AREA A
1" = 10'-0"

PLAN NORTH

0' 10' 20' 30' 40'
SCALE: 1"=10'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

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02AUG21

## GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WATER HEATER VENTS AT ROOF EXITS TO AVOID INTERFERENCE WITH PV PANELS OR PV EQUIPMENT. FIELD VERIFY EXACT LOCATIONS.
2. CONTRACTOR SHALL COORDINATE WITH ALL DISCIPLINES AND VERIFY PLUMBING FIXTURES PRIOR TO BEGINNING OF WORK.

## KEYED NOTES (1/P-1-03)

1. MECHANICAL EQUIPMENT GAS CONNECTION. FURNISH AND INSTALL UNION, SHUT-OFF VALVE AND DIRTLEG. REFER TO MECHANICAL SHEETS AND SCHEDULES FOR MORE INFORMATION ON THE MECHANICAL EQUIPMENT. COORDINATE THE EXACT LOCATION WITH ALL DISCIPLINES.
2. ROUTE PLUMBING LINES OVERHEAD. COORDINATE WITH ALL DISCIPLINES FOR EXACT ROUTING AND PROPER CLEARANCES. SUPPORT ALL PIPING TO THE STRUCTURE AS REQUIRED BY LOCAL CODE.
3. ROUTE PLUMBING LINE DOWN. COORDINATE WITH ALL DISCIPLINES FOR EXACT ROUTING LOCATION AND CLEARANCES. SUPPORT ALL PIPING TO THE STRUCTURE AS REQUIRED BY LOCAL CODE. TYPICAL.
4. NOT USED.
5. PROVIDE WATER HAMMER. REFER SCHEDULES FOR SIZING.
6. PROVIDE SHUT OFF VALVE TO EACH MAIN LINE. PROVIDE ACCESS PANEL IN CEILING. COORDINATE WITH ARCHITECT.
7. REFER TO SHEET A-106 FOR ROOF PV PANEL LAYOUTS. FIELD VERIFY AND ENSURE THE WATER HEATER VENTS DO NOT INTERFERE.
8. ROUTE 1" DOMESTIC WATER LINE UP TO ROOF AND PROVIDE ROOF HYDRANT EQUAL TO WOODFORD RHY2 SERIES.


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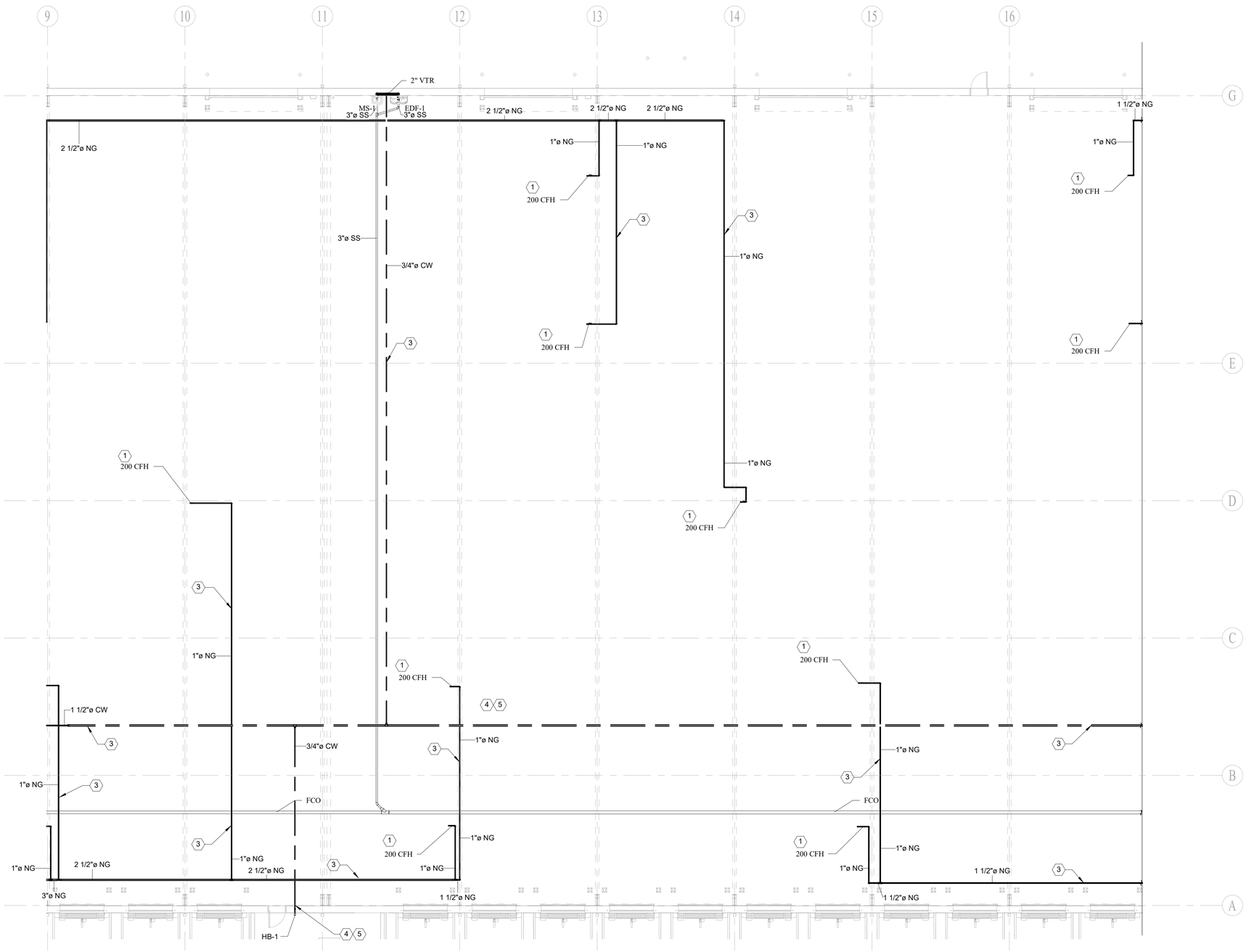
| FILE NAME: L13189.026-A-1-02.dwg | | | | |
| DATE: 02AUG21 | | | | |
| SCALE: 1" = 10'-0" | No. | Date | Description | By |

KEY MAP — A — SECTOR J3

DRAWING DESCRIPTION:
**AREA A FLOOR PLAN**

SHEET NO.
**P-1-03**




1 PLUMBING - FLOOR PLAN - AREA B

1" = 10'-0"

PLAN NORTH

0' 10' 20' 30' 40'

SCALE: 1"=10'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

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## GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WATER HEATER VENTS AT ROOF EXITS TO AVOID INTERFERENCE WITH PV PANELS OR PV EQUIPMENT. FIELD VERIFY EXACT LOCATIONS.
2. CONTRACTOR SHALL COORDINATE WITH ALL DISCIPLINES AND VERIFY PLUMBING FIXTURES PRIOR TO BEGINNING OF WORK.

## KEYED NOTES (1/F-1-04)

1. MECHANICAL EQUIPMENT GAS CONNECTION. FURNISH AND INSTALL UNION, SHUT-OFF VALVE AND DIRTLEG. REFER TO MECHANICAL SHEETS AND SCHEDULES FOR MORE INFORMATION ON THE MECHANICAL EQUIPMENT. COORDINATE THE EXACT LOCATION WITH ALL DISCIPLINES.
2. ROUTE PLUMBING LINES OVERHEAD. COORDINATE WITH ALL DISCIPLINES FOR EXACT ROUTING AND PROPER CLEARANCES. SUPPORT ALL PIPING TO THE STRUCTURE AS REQUIRED BY LOCAL CODE.
3. PROVIDE PIPE SUPPORT AS REQUIRED BY LOCAL CODE. KEEP ALL PLUMBING LINES TIGHT TO STRUCTURE WHILE MAINTAINING SLOPES AS NEEDED.
4. PROVIDE WATER HAMMER. REFER SCHEDULES FOR SIZING.
5. PROVIDE SHUT OFF VALVE TO EACH MAIN LINE. PROVIDE ACCESS PANEL IN CEILING. COORDINATE WITH ARCHITECT.
6. REFER TO SHEET A-106 FOR ROOF PV PANEL LAYOUTS. FIELD VERIFY AND ENSURE THE WATER HEATER VENTS DO NOT INTERFERE.

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/C Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| CHECKED BY: | BH | | | |
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| FILE NAME: L13189.026-A-1-02.dwg | | | | |
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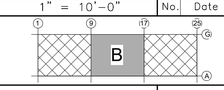
| SCALE: | 1" = 10'-0" | No. | Date | Description | By |

KEY MAP



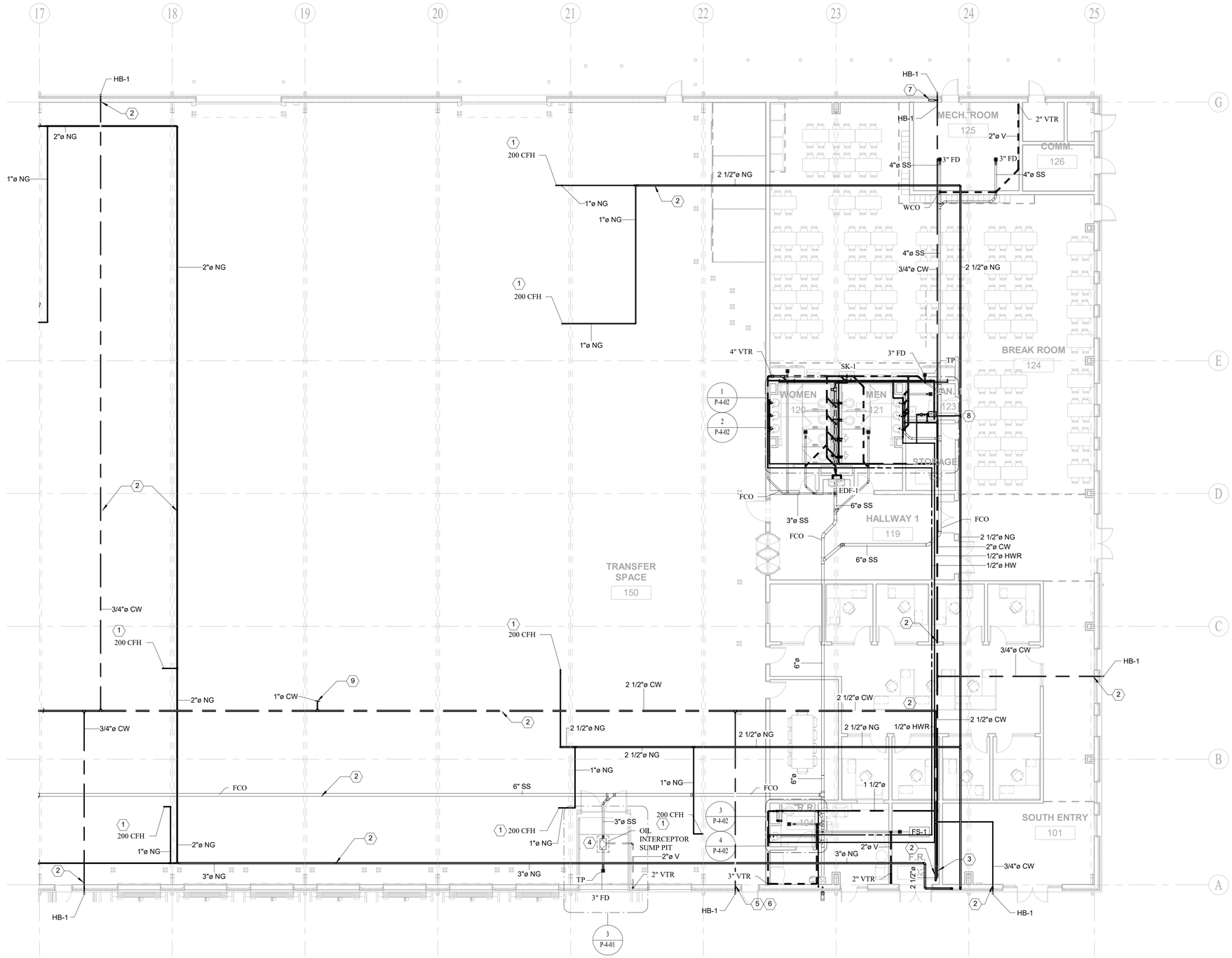

SECTOR J3

DRAWING DESCRIPTION:

**AREA B FLOOR PLAN**

SHEET NO.

**P-1-04**




1 PLUMBING - FLOOR PLAN - AREA C
1" = 10'-0"

0' 10' 20' 30' 40'
SCALE: 1"=10'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

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## GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WATER HEATER VENTS AT ROOF EXITS TO AVOID INTERFERENCE WITH PV PANELS OR PV EQUIPMENT. FIELD VERIFY EXACT LOCATIONS.
2. CONTRACTOR SHALL COORDINATE WITH ALL DISCIPLINES AND VERIFY PLUMBING FIXTURES PRIOR TO BEGINNING OF WORK.

## KEYED NOTES (1/P-1-05)

1. MECHANICAL EQUIPMENT GAS CONNECTION. FURNISH AND INSTALL UNION, SHUT-OFF VALVE AND DIRTLEG. REFER TO MECHANICAL SHEETS AND SCHEDULES FOR MORE INFORMATION ON THE MECHANICAL EQUIPMENT. COORDINATE THE EXACT LOCATION WITH ALL DISCIPLINES.
2. PROVIDE PIPE SUPPORT AS REQUIRED BY LOCAL CODE. KEEP ALL PLUMBING LINES TIGHT TO STRUCTURE WHILE MAINTAINING SLOPES AS NEEDED.
3. ROUTE DOMESTIC WATER LINE ABOVE PLENUM TO SERVE RESTROOM 104 AND BREAK RESTROOM AREA.
4. PROVIDE ZURN Z1196 7-GALLON OIL SEPARATOR UNDERGROUND IN ROUTE TO THE MAIN SANITARY LINE. PROVIDE A 2" VENT TO SERVE OIL SEPARATOR.
5. PROVIDE WATER HAMMER. REFER SCHEDULES FOR SIZING.
6. PROVIDE SHUT OFF VALVE TO EACH MAIN LINE. PROVIDE ACCESS PANEL IN CEILING. COORDINATE WITH ARCHITECT.
7. PROVIDE TRAP PRIMER EQUAL TO PPP ELETRONIC TRAP PRIMER PTS-4 TO SERVE FLOOR SINKS IN MECHANICAL ROOM.
8. REFER TO SHEET A-106 FOR ROOF PV PANEL LAYOUTS. FIELD VERIFY AND ENSURE THE WATER HEATER VENTS DO NOT INTERFERE.
9. ROUTE 1" DOMESTIC WATER LINE UP TO ROOF AND PROVIDE ROOF HYDRANT EQUAL TO WOODFORD RHY2 SERIES.

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No:.00000 AIP/C Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| CHECKED BY: | BH | | | |
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| FILE NAME: L13189.026-A-1-02.dwg | | | | |
| DATE: | 02AUG21 | | | |
| SCALE: | 1" = 10'-0" | No. | Date | Description | By |

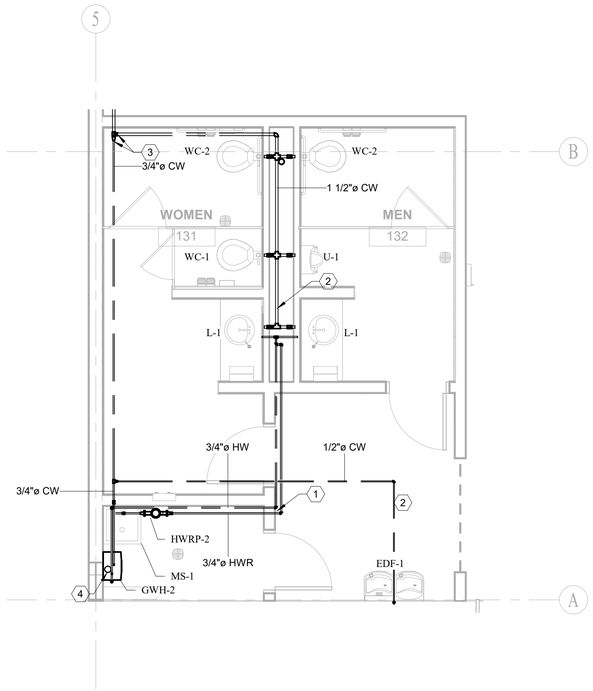
KEY MAP — C — SECTOR J3

DRAWING DESCRIPTION:

## AREA C FLOOR PLAN

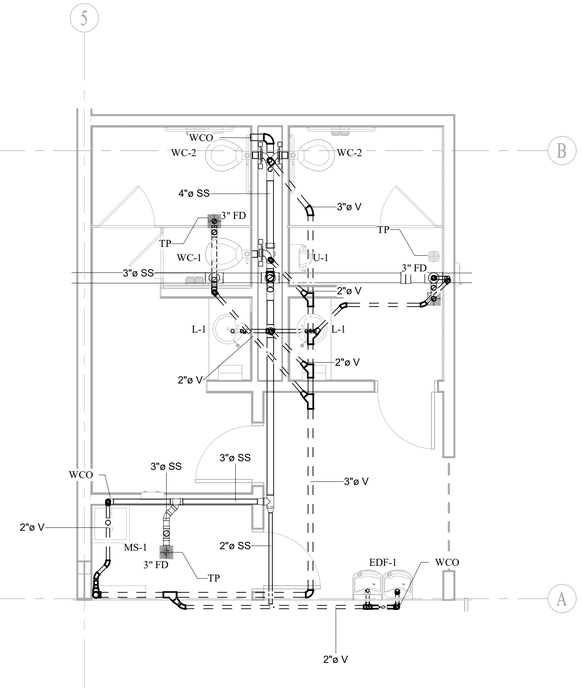
SHEET NO.

P-1-05



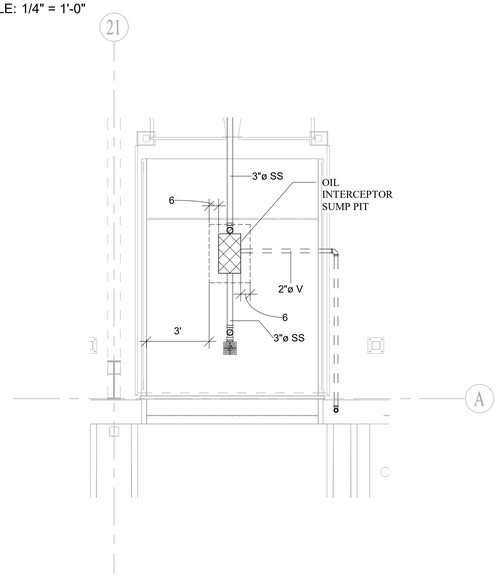

## 1 AREA A RESTROOM DOMESTIC WATER

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




## 2 AREA A RESTROOM SANITARY

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




## 3 AREA C - OIL INTERCEPTOR

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

PLAN NORTH

0' 1' 2' 4' 8' 16'

SCALE: 1/4"=1'

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**KEYED NOTES (1/P-4-01)**

1. ROUTE HOT WATER RETURN BACK TO HOT WATER RETURN PUMP UNDER THE HOT WATER SUPPLY.
2. PROVIDE WATER HAMMER. REFER SCHEDULES FOR SIZING.
3. PROVIDE SHUT OFF VALVE TO EACH MAIN LINE. PROVIDE ACCESS PANEL IN CEILING. COORDINATE WITH ARCHITECT.
4. PROVIDE AO SMITH BTH 4" CONCENTRIC FLUE VENT PER MANUFACTURE RECOMMENDATION TERMINATE AT ROOF.

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No:00000 AIP/C Nos.: 0-00-0000-00-00

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| DATE: | 02AUG21 |
| SCALE: | 1/4" = 1'-0" |

| No. | Date | Description | By |
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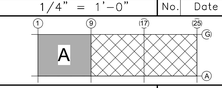
KEY MAP



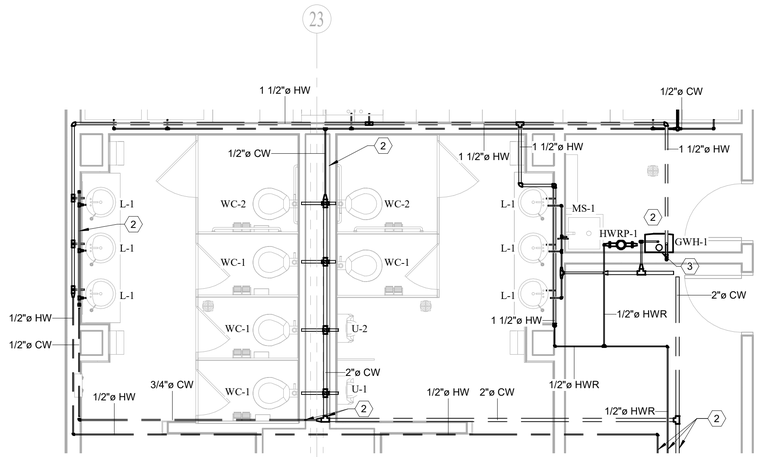

SECTOR J3

DRAWING DESCRIPTION:

**ENLARGED PLANS**

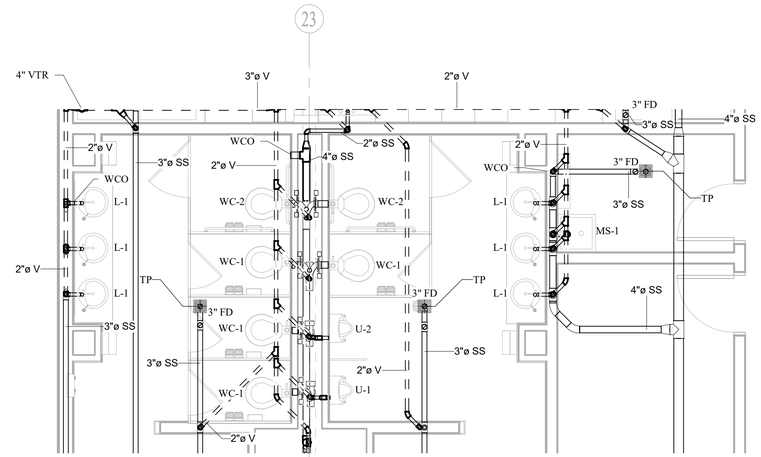
SHEET NO.

**P-4-01**



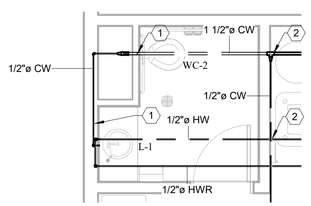

## 1 AREA C JAN/RESTROOM DOMESTIC WATER

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



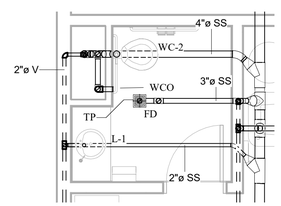

## 2 AREA C JAN/RESTROOM SANITARY

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




## 3 AREA C RESTROOM DOMESTIC WATER

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




## 4 AREA C RESTROOM SANITARY

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

PLAN NORTH

0' 1' 2' 4' 8' 16'

SCALE: 1/4"=1'

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**KEYED NOTES (1/P-4-02)**

1. PROVIDE WATER HAMMER. REFER SCHEDULES FOR SIZING.
2. PROVIDE SHUT OFF VALVE TO EACH MAIN LINE. PROVIDE ACCESS PANEL IN CEILING. COORDINATE WITH ARCHITECT.
3. PROVIDE AO SMITH BTH 4" CONCENTRIC FLUE VENT PER MANUFACTURE RECOMMENDATION TERMINATE AT ROOF.

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/C Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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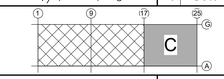
| FILE NAME: | L13189.026-A-1-02.dwg | | | |
| DATE: | 02AUG21 | | | |
| SCALE: | 1/4" = 1'-0" | No. | Date | Description | By |

KEY MAP



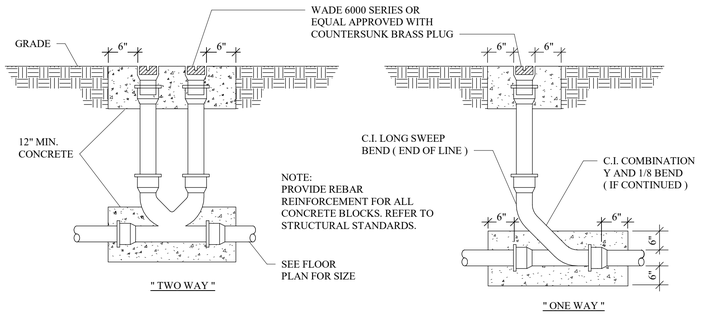

SECTOR J3

DRAWING DESCRIPTION:

**ENLARGED PLANS**

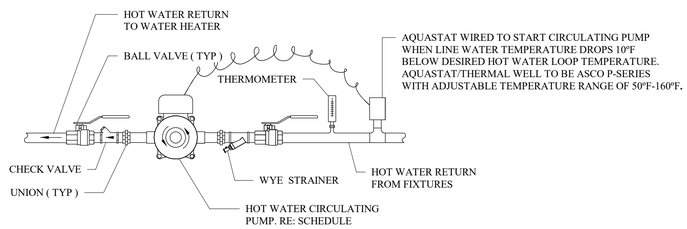
SHEET NO.

**P-4-02**




## 1 CLEANOUT DETAIL

SCALE:N.T.S.

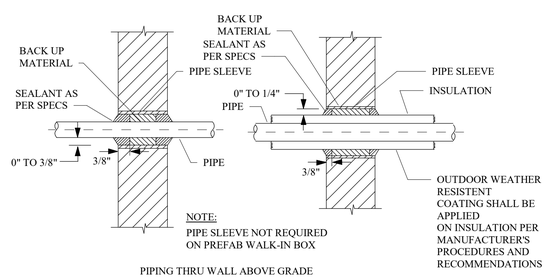



NOTES:

1. PROVIDE AND INSTALL ACCESS PANELS WHERE REQUIRED.
2. PROVIDE AQUASTAT ON HOT WATER RETURN LINE, WIRED TO START CIRCULATING PUMP WHEN LINE WATER TEMPERATURE DROPS 10°F BELOW DESIRED HOT WATER LOOP TEMPERATURE.
3. THIS IS A BASIC INSTALLATION DETAIL. REFER TO THE DETAIL SHEET P-DT-00-01 FOR WATER HEATER DETAILS AND RECIRCULATING PUMPS INSTALLED ON WATER HEATERS.

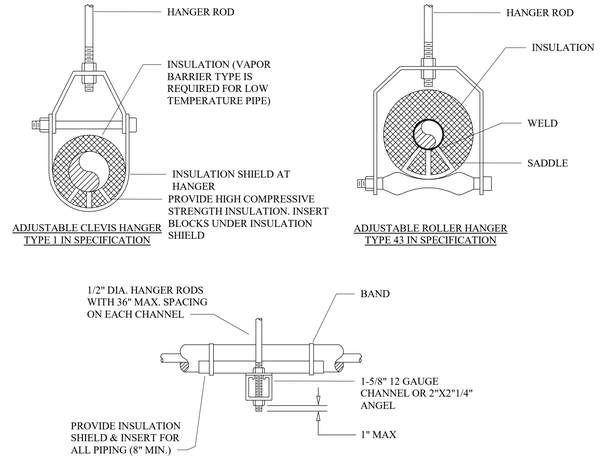
## 3 RECIRCULATING PUMP DETAIL

SCALE:N.T.S.




## 5 PIPE THROUGH WALL DETAIL

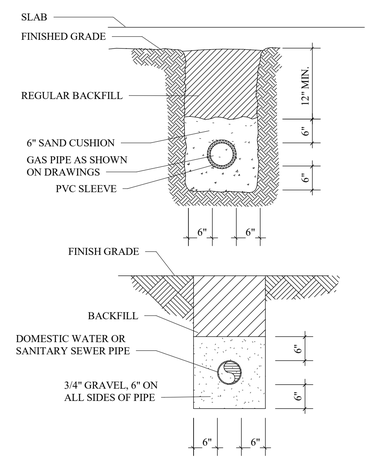
SCALE:N.T.S.




| MAXIMUM PIPE/TUBING SUPPORT SPACING, FEET | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NOM. SIZE | THRU 3/4" | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 24 |
| PIPE | 7 FT | 7 | 7 | 9 | 10 | 11 | 12 | 14 | 16 | 17 | 19 | 22 | 23 | 25 | 27 | 28 | 30 | 32 |
| TUBING | 5 FT | 6 | 7 | 8 | 8 | 9 | 10 | 12 | 13 | 14 | 16 | - | - | - | - | - | - | - |
| NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE | | | | | | | | | | | | | | | | | | |

## 2 PIPE HANGER DETAIL

SCALE:N.T.S.




## 4 PIPE IN TRENCH DETAIL

SCALE:N.T.S.

PLAN NORTH

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/C Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| DATE: | 02AUG21 | | | | |
| SCALE: | N.T.S. | No. | Date | Description | By |

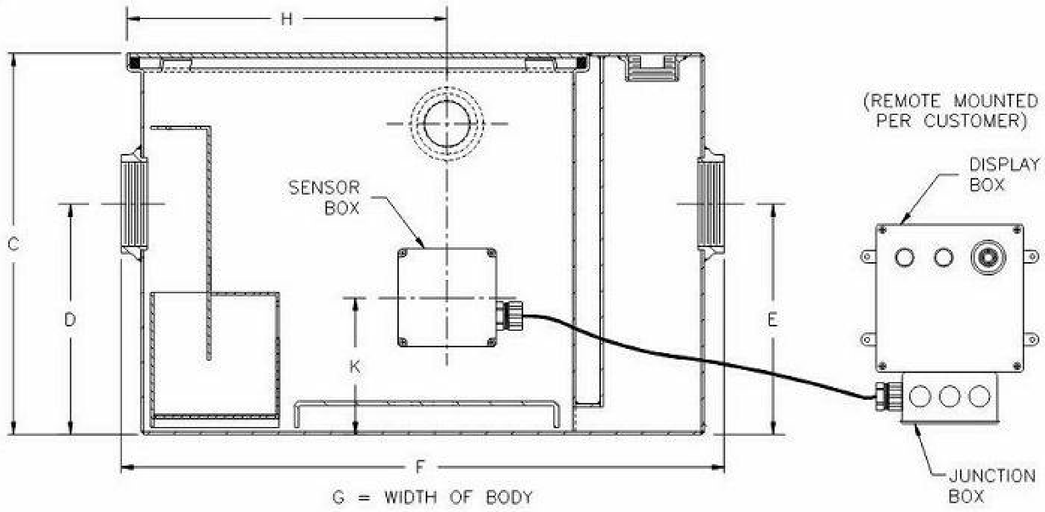
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**DETAILS**

SHEET NO.

**P-5-01**

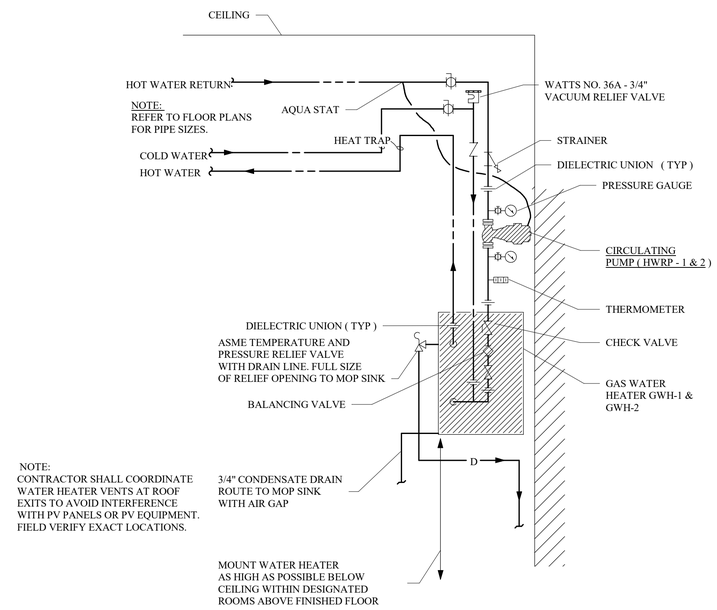



NOTE: MOUNT PANEL ON ADJACENT WALL. COORDINATE WITH ELECTRICAL.

| SIZE | INLET/OUTLET SIZE | FLOW RATE G.P.M. | WATER CAPACITY GAL. | OIL CAPACITY GAL. | APPROX. WT. LBS. | DIMENSIONS IN INCHES | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | C | D/E | F | G | H | K |
| 300 | 2 | 10 | 7 | 1 | 56 | 13-5/8 | 8-1/8 | 25-1/8 | 14 | 11-5/8 | 5-7/16 |

## 1 OIL SEPARATOR DETAIL

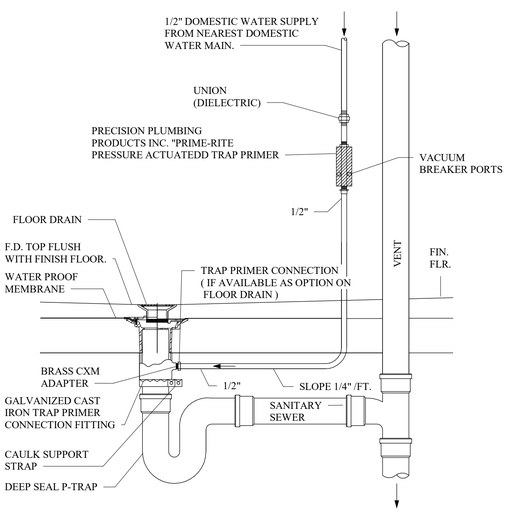
SCALE:NOT TO SCALE

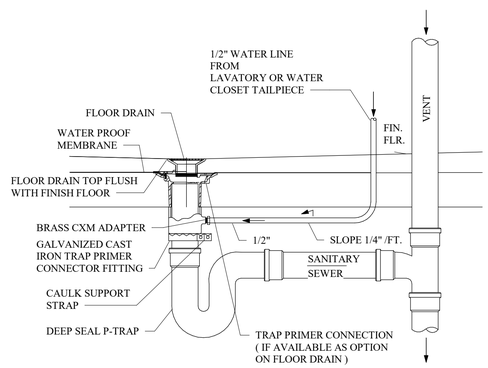



NOTE:
CONTRACTOR SHALL COORDINATE WATER HEATER VENTS AT ROOF EXITS TO AVOID INTERFERENCE WITH PV PANELS OR PV EQUIPMENT. FIELD VERIFY EXACT LOCATIONS.

## 2 TANKLESS GAS WATER HEATER DETAIL

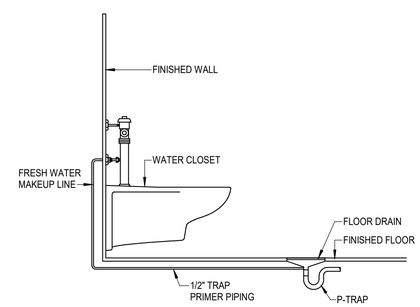
SCALE:N.T.S.




## 3 TRAP PRIMER DETAIL

SCALE:N.T.S.




## 4 FLUSH VALVE TRAP PRIMER DETAIL

SCALE:NOT TO SCALE

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| FILE NAME: L13189.026-A-1-02.dwg | | | | |
| DATE: 02AUG21 | | | | |
| SCALE: As indicated | No. | Date | Description | By |

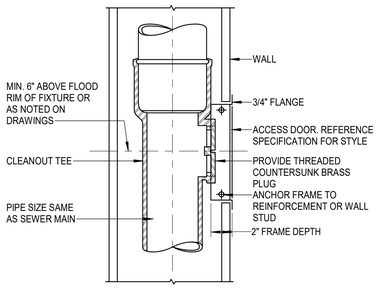
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**DETAILS**

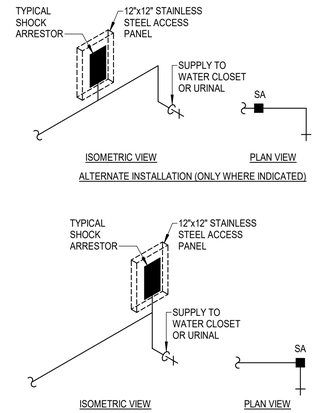
SHEET NO.

**P-5-02**



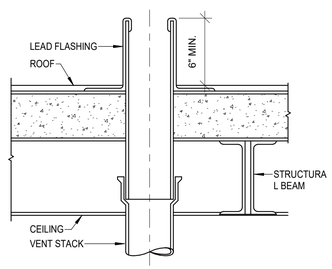

## 1 WALL CLEANOUT DETAIL

SCALE:NOT TO SCALE



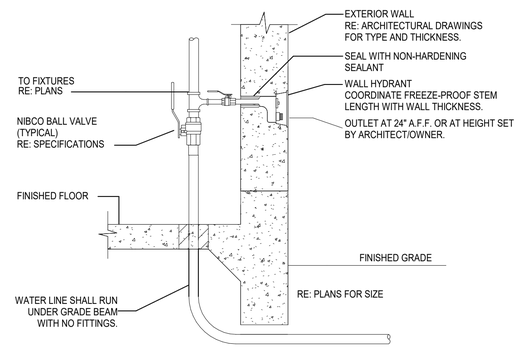

## 2 SHOCK ARRESTOR DETAIL

SCALE:NOT TO SCALE



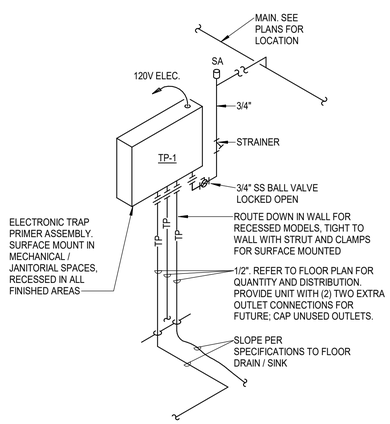

## 3 VENT PENETRATION THROUGH ROOF DETAIL

SCALE:NOT TO SCALE




## 4 DOMESTIC WATER ENTRY

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




## 5 AUTOMATIC TRAP PRIMER DETAIL

SCALE:NOT TO SCALE

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| DRAWN BY: ON | | | | |
| CHECKED BY: BH | | | | |
| COORD. CHECK: TT / KP | | | | |
| FILE NAME: L13189.026-A-1-02.dwg | | | | |
| DATE: 02AUG21 | | | | |
| SCALE: 1/8" = 1'-0" | No. | Date | Description | By |

KEY MAP

SECTOR J3

DRAWING DESCRIPTION:

**DETAILS**

SHEET NO.

**P-5-03**

## PLUMBING FIXTURE SCHEDULE

| | | |
|---|---|---|
| WC-1<br>WATER<br>CLOSET | TOP SPUD. WALL HUNG, WHITE VITREOUS CHINA ELONGATED BOWL, HARD WIRED SENSOR OPERATED EXPOSED FLUSHOMETER, 1.1 GALLON PER FLUSH. CHURCH WHITE OPEN FRONT SEAT LESS COVER. PROVIDE CHAIR CARRIER AS REQUIRED. | KOHLER "ULTRA" # K-84325<br>SLOAN "ROYAL" 111-1.1 - TMO - HW (1.1 GPF)<br>(SEE NOTE 2) |
| WC-2<br>WATER CLOSET<br>A.D.A. COMPLIANT | TOP SPUD. WALL HUNG, WHITE VITREOUS CHINA ELONGATED BOWL, HARD WIRED SENSOR OPERATED EXPOSED FLUSHOMETER, 1.1 GALLON PER FLUSH. CHURCH WHITE OPEN FRONT SEAT LESS COVER. PROVIDE CHAIR CARRIER AS REQUIRED. MOUNT AT ADA HEIGHT. | KOHLER "ULTRA" # K-84325<br>SLOAN "ROYAL" 111-1.1 - TMO - HW (1.1 GPF)<br>(SEE NOTE 2) |
| U-1<br>URINAL | WALL MOUNTED, VITREOUS CHINA, TOP SPUD, 0.125 GPF, EXPOSED FLUSHOMETER. PROVIDE CARRIER AS REQUIRED. MOUNT AS INDICATED ON ARCHITECTURAL PLANS. HARDWIRED SENSOR OPERATORED. | KOHLER "BARDON SUPERIOR" # K-4991-ET<br>SLOAN "OPTIMA" 1896 ES-S (0.125 GPF)<br>(SEE NOTE 2) |
| U-2<br>URINAL<br>ADA COMPLIANT | WALL MOUNTED, VITREOUS CHINA, TOP SPUD, 0.125 GPF, EXPOSED FLUSHOMETER. PROVIDE CARRIER AS REQUIRED. MOUNT ADA OR TAS HEIGHT AS INDICATED ON ARCHITECTURAL PLANS. HARDWIRED SENSOR OPERATORED. | KOHLER "BARDON SUPERIOR" # K-4991-ET<br>SLOAN "OPTIMA" 1896 ES-S (0.125 GPF)<br>(SEE NOTE 2) |
| L-1<br>LAVATORY | UNDERCOUNTER MOUNTED VITREOUS CHINA, NOMINAL 20-7/8" X 14-3/8" FRONT OVERFLOW, HARDWIRED SENSOR OPERATED DECK MOUNTED FAUCET. 0.35 GPM MULTI-LAMINAR SPRAY OUTLET. PROVIDE WITH BATTERY BACK-UP. COORDINATE AND SPECIFY FAUCET PUNCHING. METERING CYCLE SET TO 12-15 SECONDS. SINGLE SUPPLY FOR TEMPERED WATER.. CHROME PLATED P-TRAP. ESCUTCHEON. CHICAGO NO. 1006 LOOSE KEY STOPS WITH RISERS, CHROME PLATED BRASS GRID STRAINER, PROVIDE CARRIER. PROVIDE TRAP PRIMER CONNECTION WHEN REQUIRED. | KOHLER "LADENA" K-2214<br>CHICAGO FAUCETS 116.707.AB.1 (0.35 GPM)<br>MIXING VALVE SYMMONS 7-225 CK-MS 110° ADJ.<br>(SEE NOTE 2) |
| MS-1<br>MOP SINK | FIAT FLOOR MOUNTED CORNER UNIT 32" X 32" X 12" HIGH RECEPTOR COMPOSED OF PRECAST TERRAZZO WITH STAINLESS STEEL THRESHOLD CAP. EXPOSED YOKE WALL MOUNT FAUCET AND METAL LEVER HANDLES WITH HOT AND COLD INDICATORS. 1/2" NPT FEMALE INLETS CAST BRASS BODY WITH 1/4 TURN CERAMIC DISC VALVES CARTRIDGES THAT ARE REVERSIBLE FOR USE ON BOTH HOT AND COLD SIDES. VACUUM BREAKER THAT PREVENTS BACKFLOW, SPOUT WITH BUCKET HOOK AND THREADED HOSE END. PROVIDE MOUNTING REINFORCEMENT FOR ALL WALL SUPPORTS. | TSBC-3001<br>AMERICAN STANDARD FAUCET # 8340.243 |
| SK-1<br>SINK<br>A.D.A COMPLIANT | DOUBLE COMPARTMENT WITH FAUCET DECK, MODIFIED DEPTH MEETING A.D.A., NOMINAL OVERALL SIZE 33" X 19-1/2" X 5-1/2" DEEP. 18 GAUGE TYPE 304 STAINLESS STEEL, SELF-RIMMING, FULLY COATED ON UNDERSIDE FOR SOUNDPROOFING. DECK MOUNTED HOLE HOT AND COLD WATER SINK FAUCET WITH 5" RIGID/SWING GOOSENECK SPOUT. 1.5 GPM VANDAL PROOF NON-AERATING SPRAY OUTLET, 4" VANDAL PROOF W/RISTBLADE HANDLES. ELKAY NO. LK-18 CHROME PLATED BRASS PERFORATED GRID STRAINER DRAIN OUTLETS WITH TAILPIECES. ELKAY NO. 53 CONTINUOUS WASTE, McGUIRE 8912, 17 GA. P-TRAP. CHICAGO NO. 1006 LOOSE KEY SUPPLIES WITH RISERS AND ESCUTCHEON. | ELKAY LRAD-331955<br>ELKAY FAUCET # LK406GN08L2 (1.5 GPM)<br>MIXING VALVE SYMMONS 7-225 CK-MS 120° ADJ.<br>(SEE NOTE 2) |
| EDF-1<br>DRINKING<br>FOUNTAIN<br>A.D.A. COMPLIANT | WALL MOUNTED BRASS FREE NO LEAD STAINLESS STEEL TWO-LEVEL WHEELCHAIR ACCESS WATER COOLER WITH BOTTLE FILLING STATION, PUSHBAR ACTIVATION. BOTTLE FILLING UNITS SHALL INCLUDE AN ELECTRONIC SENSOR FOR TOUCHLESS ACTIVATION WITH AN AUTOMATIC 20-SECOND SHUTOFF TIMER. FLEXI-GUARD SAFETY BUBBLER. DESIGN SHALL MEET ADA DUAL HEIGHT REQUIREMENTS. SUPPLY: MCGUIRE NO. 2165 CHROME PLATED SINGLE WALL FLANGE, WHEEL HANDLE STOPS, 3/8" IPS WITH 3/8" O.D. 12" LONG FLEXIBLE RISER, CHROME PLATED. P-TRAP: MCGUIRE NO. 8902, 1 1/4"x1 1/2"x17 GAUGE, CHROME PLATED CAST BRASS ADJUSTABLE SWIVEL P-TRAP WITH CLEANOUT, SLIP JOINT INLET AND TUBULAR WALL BEND WITH SHALLOW STEEL FLANGE. CARRIER: MIFAB NO. MC32 TOP AND BOTTOM HANGER PLATE CARRIER, PIPE UPRIGHTS, BLOCK BASE FEET. MOUNTING HEIGHT: INSTALL IN ACCORDANCE WITH ADA REGULATIONS. PROVIDE CANE TOUCH APRON. | ELKAY NO. LZSTL8WSSP |
| HB-1<br>HOSE BIBB | EXPOSED TYPE MILD CLIMATE, FREEZE PROOF ANTI-CONTAMINATION WALL FAUCET WITH 3/4" MALE HOSE CONNECTION ANDANTI-SIPHON VACUUM BREAKER. EXTERIOR FINISH TO BE CAST BRASS, FURNISHED OPERATING KEY TO BE CAST IRON WHEEL HANDLE. | MIFAB MHY-26 |
| WCO<br>WALL CLEANOUT | CAST IRON CLEANOUT FERRULE WITH BRONZE RAISED HEAD PLUG AND ROUND STAINLESS STEEL COVER PLATE WITH CENTER SECURING SCREW. PROVIDE CAST IRON CLEANOUT TEE IN LIEU OF FERRULE AS REQUIRED FOR WALL CONSTRUCTION. | MIFAB C1440-RD6<br>MIFAB C1460 |
| FCO<br>FLOOR CLEANOUT | CAST IRON BODY WITH SECONDARY O-RING TEST SEAL AND ADJUSTABLE COMBINED ACCESS COVER/PLUG TOP ASSEMBLY WITH PRIMARY GASKET SEAL, AND ROUND SCORIATED NICKEL BRONZE COVER AND FOR CARPETED FLOORS. | MIFAB C1100-R-1<br>MIFAB C1100-RC-1 |
| FD-1<br>FLOOR DRAIN | BOTTOM OUTLET CAST IRON BODY, ADJUSTABLE 6" DIAMETER NICKEL BRONZE STRAINER WITH VANDAL PROOF SCREWS. PROVIDE CLAMPING DEVICE FOR DRAINS IN MEMBRANE FLOOR AREAS. | MIFAB F1100-1-6. |

NOTES:

1. FURNISH AND INSTALL SLOAN TRANSFORMER MODEL NO. EL-154 TO WATERCLOSET AND URINAL FLUSH VALVE. MAXIMUM TEN (10) WATERCLOSET FLUSH VALVES PER TRANSFORMER. DIV. 22
2. CONTRACTOR IS RESPONSIBLE FOR ARRANGING FOR FINAL 115/1/60 CONNECTION TO TRANSFORMER PRIMARY SIDE AND ALL LOW VOLTAGE CONNECTIONS. ALL LOW VOLTAGE WIRING SUBJECT TO MECHANICAL DAMAGE SHALL BE ROUTED IN CONDUIT. CONDUIT AND INSTALLATION OF SAME TO BE IN ACCORDANCE WITH DIV. 26 SPECIFICATIONS.

## PLUMBING FIXTURE CONNECTION SCHEDULE

| MARK | FIXTURE | CW | HW | SS | V | GW | GV | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|
| WC-1 | WATER CLOSET | 1 1/2 | - | 4" | 2" | - | - | WALL MOUNT, VITREOUS CHINA, FLUSH VALVE, STANDARD HEIGHT |
| WC-2 | WATER CLOSET | 1 1/2" | - | 4" | 2" | - | - | WALL MOUNT, VITREOUS CHINA, FLUSH VALVE, ADA COMPLIANT |
| U-1 | URINAL | 3/4" | - | 2" | 2" | - | - | WALL HUNG, VITREOUS CHINA, STANDARD HEIGHT |
| U-2 | URINAL | 3/4" | - | 2" | 2" | - | - | WALL HUNG, VITREOUS CHINA, ADA OR TAS HEIGHT |
| L-1 | LAVATORY | 1/2" | 1/2" | 2" | 2" | - | - | UNDERCOUNTER MOUNTED VITREOUS CHINA, MIXING VALVE TO SERVE WATER AT 110 DEGREES F |
| SK-1 | SINGLE SINK | 1/2" | 1/2" | 2" | 2" | - | - | WALL MOUNTED STAINLESS STEEL, MIXING VALVE TO SERVE WATER AT 110 DEGREES F |
| MS-1 | MOP SINK | 3/4" | 3/4" | 3" | 2" | - | - | FLOOR MOUNTED |
| EDF-1 | ELECTRIC DRINKING FOUNTAIN | 1/2" | - | 2" | 2" | - | - | HI-LO ADA COMPLAINT |
| HB-1 | HOSE BIBB | 3/4" | - | - | - | - | - | FINISH AREA |
| FD-1 | FLOOR DRAIN | - | - | 3" | 2" | - | - | FINISH AREA |

## HOT WATER CIRCULATING PUMP

| ITEM NO. | DESCRIPTION | SERVICE TO | TYPE | GPM | HEAD FEET | H.P. MIN | VOLT/ PHASE | MAX. RPM | MANUFACTURES AND MODEL |
|---|---|---|---|---|---|---|---|---|---|
| HWRP-1 | HOT WATER RECIRCULATION PUMP | GWH-1 | IN-LINE BRONZE | 1.0 | 17 | 1/6 | 115/1 | 3,150 | GRUNDFOS UP48-75-BF |
| HWRP-2 | HOT WATER RECIRCULATION PUMP | GWH-2 | IN-LINE BRONZE | 1.0 | 17 | 1/6 | 115/1 | 3,150 | GRUNDFOS UP48-75-BF |

NOTE:

1. PROVIDE HWRPS WITH TIMER SET TO OPERATE BASED ON OCCUPANCY SCHEDULE.

## GAS WATER HEATER SCHEDULE

| ITEM NO. | MAX INPUT (BTU) | STORAGE CAPACITY (GALLONS) | ELECTRICAL REQUIRED | UEF | MAX GPM | STORED WATER TEMP | MANUFACTURERS COMMENTS | NOTES |
|---|---|---|---|---|---|---|---|---|
| GWH-1 | 160,000 | - | 120/60 | 0.90 | 6.6 | 120°F | A.O SMITH ATI 240H-N | 1 |
| GWH-2 | 120,000 | - | 120/60 | 0.90 | 6.6 | 120°F | A.O SMITH ATI 140H-N | 1 |

NOTE:

1. WATER HEATERS SHALL BE UL RATED, TANKLESS ONLY AND SHALL BE ASME APPROVED AND STAMPED.

## HYDRAULIC SHOCK ARRESTORS

| P.D.I. SYMBOL | FIXTURE UNITS | CHAMBER LENGTH | SWEAT CONNECTION |
|---|---|---|---|
| A | 1-11 | 9-5/8" | 1/2" |
| B | 12-32 | 11-3/4" | 3/4" |
| C | 33-60 | 14-11/18" | 1" |
| D | 61-113 | 12-3/8" | 1" |
| E | 114-154 | 15-3/8" | 1" |
| F | 155-330 | 17-3/8" | 1" |

PIPE MATERIAL LIST

COORDINATE WITH SPEC'S.

DOMESTIC WATER PIPING

ABOVE SLAB INSIDE THE BUILDING SHALL BE SEAMLESS ASTM B 88 TYPE L COPPER WATER TUBE WITH WROUGHT COPPER FITTINGS, ANSI B16.22. SOLDER MATERIAL SHALL BE 95.5% LEAD FREE, ASTM B 32. THE USE OF DRILLED-T CONNECTIONS IS NOT PERMITTED.

BELOW SLAB WITHIN 5'-0" OF THE BUILDING SHALL BE ASTM B 88 TYPE K SOFT COPPER WATER TUBE WITH NO FITTINGS.

ALL DOMESTIC WATER PIPING SHALL BE INSULATED.

SANITARY SOIL WASTE AND VENT PIPING

ABOVE FLOOR INSIDE BUILDING SHALL BE NO-HUB CAST IRON SYSTEM CONFORMING TO CISPI STANDARD NO. 301-75. NEOPRENE GASKETS SHALL CONFORM TO ASTM STANDARD C564-75 WITH STAINLESS STEEL HEAVY DUTY COUPLINGS.

BELOW GRADE SHALL SCHEDULE 40 PVC

NATURAL GAS PIPING

ABOVE SLAB INSIDE BUILDING SHALL BE SCHEDULE 40 BLACK STEEL
PIPE AND FITTINGS SHALL MEET ASME B 36.10,10M; ASTM A 53/A53M; OR ASTM A 106

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/C Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| DRAWN BY: ON | | | | |
| CHECKED BY: BH | | | | |
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| FILE NAME: L13189.026-A-1-02.dwg | | | | |
| DATE: 02AUG21 | | | | |
| SCALE: 1/8" = 1'-0" | No. | Date | Description | By |

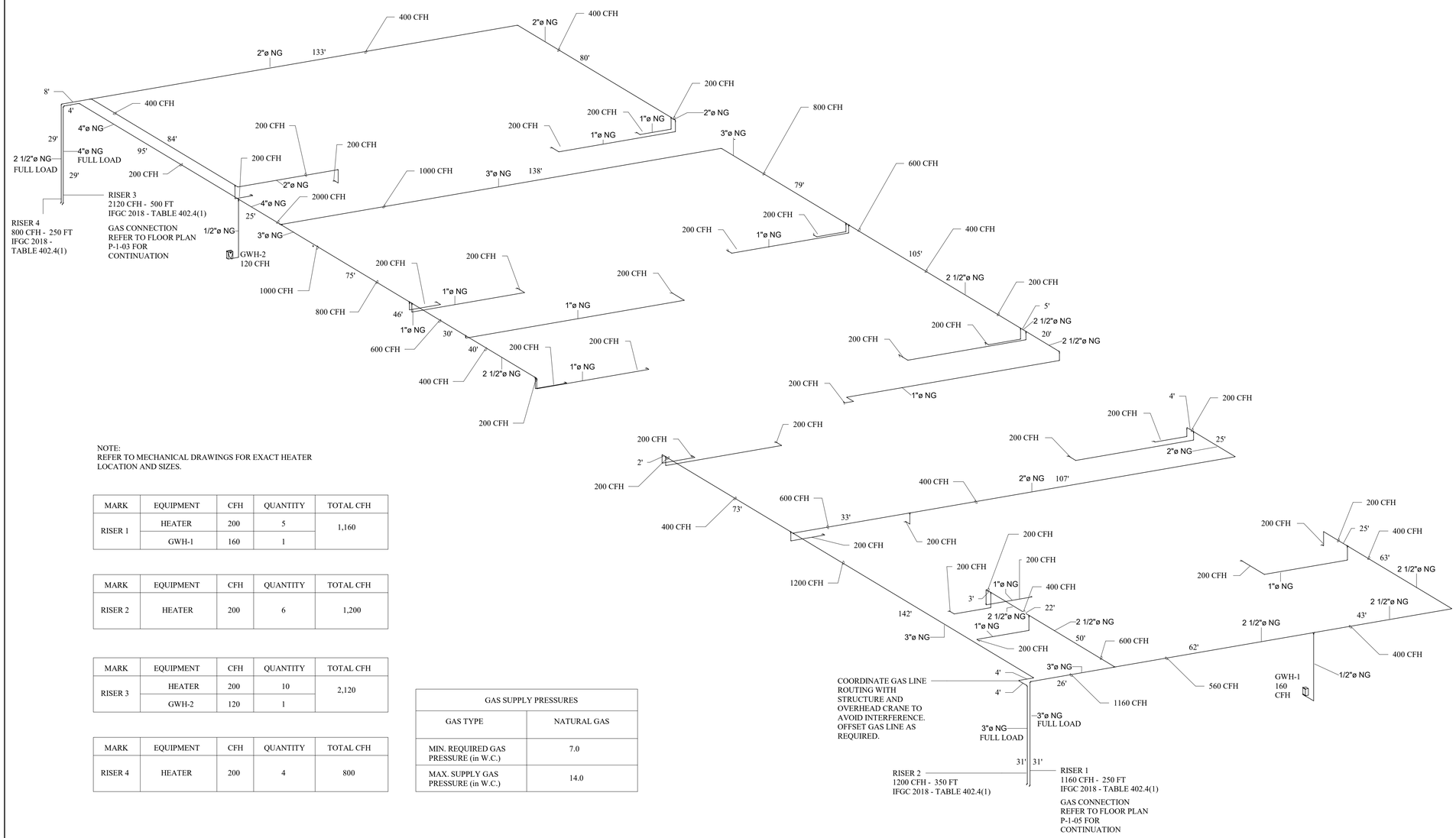
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**SCHEDULES**

SHEET NO.

**P-6-01**




NOTE:
REFER TO MECHANICAL DRAWINGS FOR EXACT HEATER LOCATION AND SIZES.

| MARK | EQUIPMENT | CFH | QUANTITY | TOTAL CFH |
|---|---|---|---|---|
| RISER 1 | HEATER | 200 | 5 | 1,160 |
| | GWH-1 | 160 | 1 | |

| MARK | EQUIPMENT | CFH | QUANTITY | TOTAL CFH |
|---|---|---|---|---|
| RISER 2 | HEATER | 200 | 6 | 1,200 |

| MARK | EQUIPMENT | CFH | QUANTITY | TOTAL CFH |
|---|---|---|---|---|
| RISER 3 | HEATER | 200 | 10 | 2,120 |
| | GWH-2 | 120 | 1 | |

| MARK | EQUIPMENT | CFH | QUANTITY | TOTAL CFH |
|---|---|---|---|---|
| RISER 4 | HEATER | 200 | 4 | 800 |

| GAS SUPPLY PRESSURES | |
|---|---|
| GAS TYPE | NATURAL GAS |
| MIN. REQUIRED GAS PRESSURE (in W.C.) | 7.0 |
| MAX. SUPPLY GAS PRESSURE (in W.C.) | 14.0 |

## 1 GAS RISER

SCALE: NOT TO SCALE

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Austin-Bergstrom International Airport

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| DRAWN BY: | ON |
| CHECKED BY: | BH |
| COORD. CHECK: | TT / KP |
| FILE NAME: | L13189.026-A-1-02.dwg |
| DATE: | 02AUG21 |
| SCALE: | N.T.S. |

| No. | Date | Description | By |
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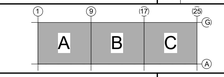
KEY MAP



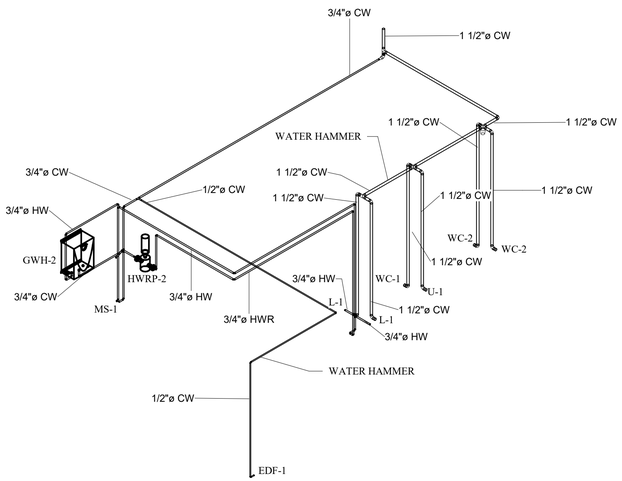

SECTOR J3

DRAWING DESCRIPTION:

**PLUMBING ISOMETRIC NATURAL GAS PLANS**

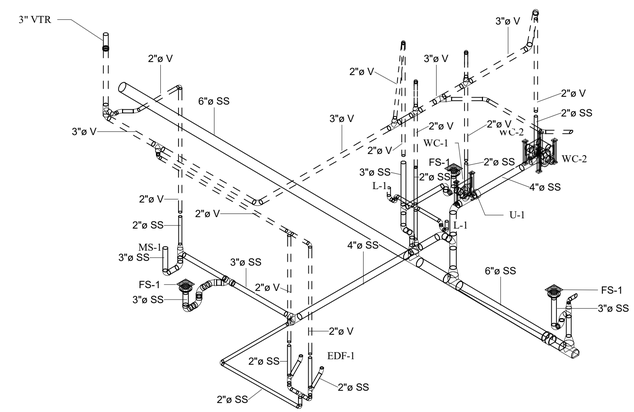
SHEET NO.

**P-7-01**




## 1 AREA A RESTROOM DOMESTIC WATER

SCALE:




## 2 AREA A RESTROOM SANITARY

SCALE:

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ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/C Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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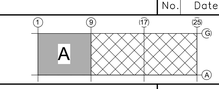
| CHECKED BY: BH | | | | |
| COORD. CHECK: TT / KP | | | | |
| FILE NAME: L13189.026-A-1-02.dwg | | | | |
| DATE: 02AUG21 | | | | |
| SCALE: | No. | Date | Description | By |

KEY MAP



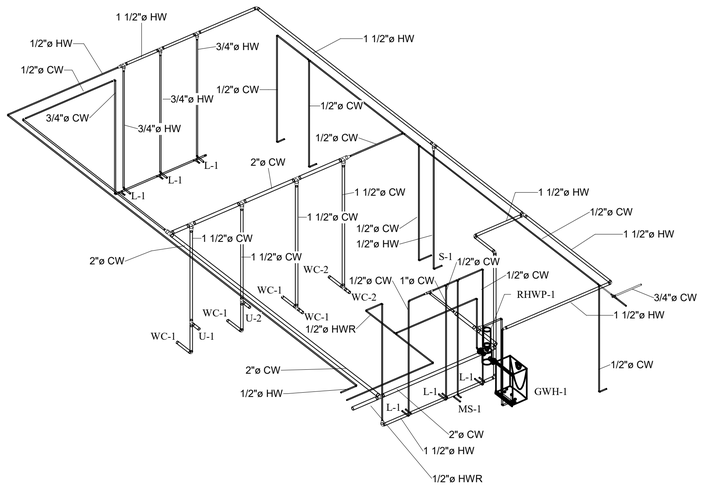

SECTOR J3

DRAWING DESCRIPTION:

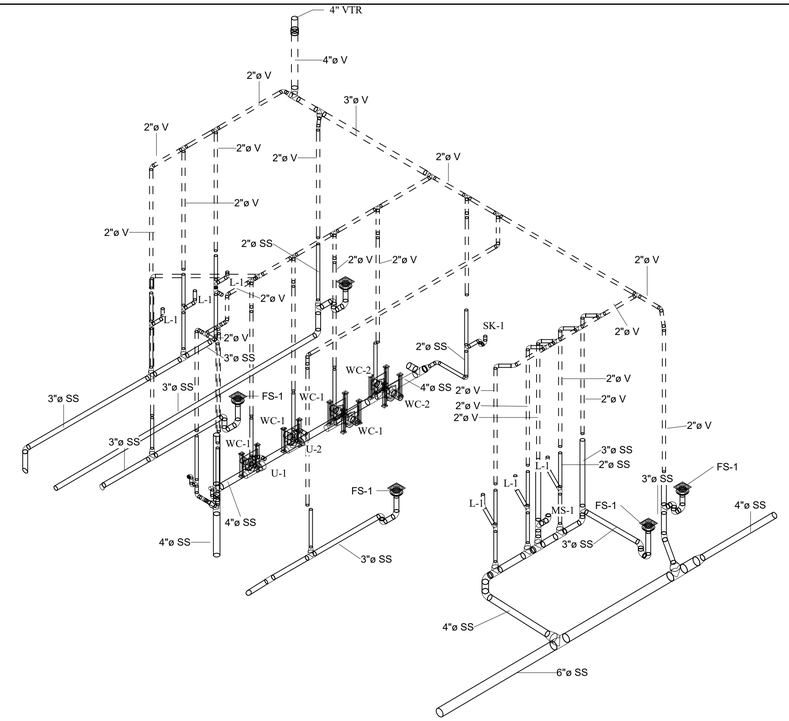
**AREA A PLUMBING ISOMETRIC**

SHEET NO.

**P-7-02**

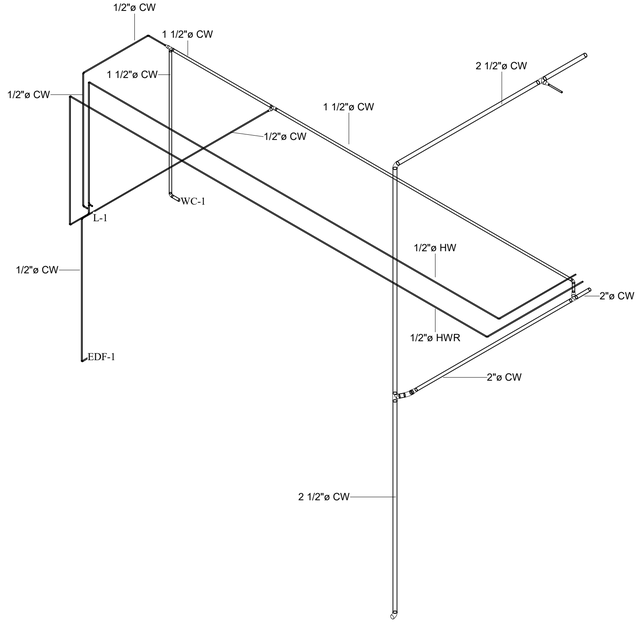



## 1 AREA C JANITORS/RESTROOM DOMESTIC WATER



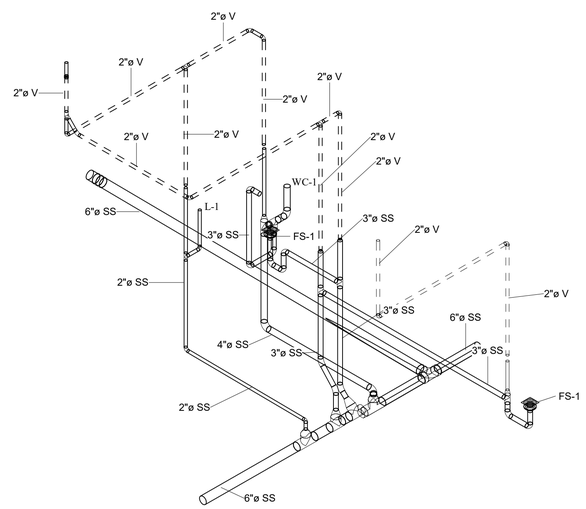

## 2 AREA C JANITORS/RESTROOM SANITARY

SCALE:




## 3 AREA C RESTROOM DOMESTIC WATER

SCALE:




## 4 AREA C RESTROOM SANITARY

SCALE:

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

STATE OF TEXAS
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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| FILE NAME: | L13189.026-A-1-02.dwg | | | |
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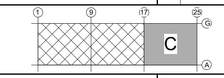
| SCALE: | | No. | Date | Description | By |

KEY MAP




SECTOR J3

DRAWING DESCRIPTION:

**AREA C PLUMBING ISOMETRIC**

SHEET NO.

**P-7-03**

# FIRE PROTECTION SYMBOLS & ABBREVIATIONS

(NOTE: ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS)

## PIPING DESIGNATIONS

| | |
|---|---|
| FP | FIRE STANDPIPE |
| FDC | FIRE DEPT. CONNECTION |

## GENERAL SYMBOLS

| | |
|---|---|
| 101 | ROOM NUMBER |
| P.3-1A | DRAWING SECTION DESIGNATION |
| P.4-1A | DETAIL DESIGNATION |

NOTE: DRAWING CATEGORY IS NOT INDICATED IF DETAIL OR SECTION DESIGNATION REFERS TO SAME CATEGORY.

| | |
|---|---|
| 2 | KEYED NOTES |
| 2 | REVISIONS |
| | CONNECTION TO EXISTING |
| | SCHEMATIC FAN OR PUMP |
| S | TEMPERATURE SENSOR |

## EQUIPMENT DESIGNATIONS

| | |
|---|---|
| ABC-1 | EQUIPMENT TYPE FROM LIST - SCHEDULED UNIT NUMBER |
| FP | FIRE PUMP |
| JP | JOCKEY PUMP |

## ABBREVIATION DESCRIPTION

| | |
|---|---|
| FDC | FIRE DEPT CONNECTION |
| FEC | FIRE EXTINGUISHER CABINET |
| FH | FIRE HYDRANT |
| FHC | FIRE HOSE CABINET |
| FHR | FIRE HOSE RACK |
| FHS | FIRE HOSE STATION |
| FHV | FIRE HOSE VALVE |
| FP | FIRE PROTECTION |
| FPTH | FIRE PUMP TEST HEADER |
| FVC | FIRE VALVE CABINET |

## FIRE PROTECTION GENERAL NOTES:

1. CONTRACTOR SHALL DESIGN AND BUILD A NEW FIRE SPRINKLER SYSTEM AS REQUIRED TO PROVIDE SPRINKLER PROTECTION TO THE ENTIRE BUILDING. EVERY ROOM INCLUDING CLOSETS SHALL HAVE SPRINKLER COVERAGE.
2. THE FIRE PROTECTION CONTRACTOR SHALL SUBMIT A SET OF SHOP DRAWINGS IN COMPLIANCE WITH ALL APPLICABLE CODES AND APPROVED BY THE AHJ.
3. A LICENSED FIRE SPRINKLER CONTRACTOR SHALL PROVIDE A COMPLETE AUTOMATIC FIRE SPRINKLER SYSTEM WITH DRAWINGS AND CALCULATIONS AS REQUIRED TO FULLY PROTECT THE SPACE LAYOUT IN ACCORDANCE WITH NFPA 13 AND ALL APPLICABLE STATE AND LOCAL CODE REQUIREMENTS. REFER TO THE SPECIFICATIONS, LIFE SAFETY AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION. FIRE PROTECTION CONTRACTOR SHALL PROVIDE EQUIPMENT LAYOUT AND COORDINATE EXACT LOCATION WITH OTHER DISCIPLINES PRIOR TO START OF WORK.
4. INSTALL A KNOX BOX NEXT TO THE EXTERIOR DOOR LEADING TO THE FIRE SPRINKLER RISER. COORDINATE LOCATION WITH AHJ.
5. THE INSTALLATION OF THE ENTIRE SPRINKLER SYSTEM, EQUIPMENT, DEVICES AND ALL MATERIALS SHALL COMPLY WITH ALL RULES AND REGULATIONS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS, THE GOVERNING BUILDING CODE, REQUIREMENTS OF NFPA PAMPHLET 13, AND OTHER LOCAL AUTHORITIES EXERCISING JURISDICTION.
6. CONCEALED HEADS SHALL BE PROVIDED IN MOST SPACES WITH CEILINGS. PENDANT TYPE SHALL BE PROVIDED IN AREAS WITHOUT CEILINGS AND CERTAIN STORAGE SPACES.
7. SUSPENDED ACOUSTICAL CEILINGS: RECESSED HEADS, CENTERED IN TILES BOTH WAYS.
8. EXPOSED CEILING: UPRIGHT HEADS EXCEPT AS REQUIRED BY CODE.

GENERAL NOTES APPLY TO ALL FIRE PROTECTION SHEETS.

## GENERAL NOTES:

1. THESE DRAWINGS INDICATE THE GENERAL EXTENT OF WORK AND ARE NOT INTENDED TO INDICATE OR DESCRIBE ALL WORK REQUIRED FOR THE FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
2. ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE.
3. REFER TO ARCHITECTURAL DRAWINGS FOR MOST ACCURATE WALLS, CEILING ELEMENTS AND FIRE PROTECTION FIXTURE LOCATIONS.
4. UTILITY LOCATIONS ARE APPROXIMATE AND ARE BASED ON INFORMATION SUPPLIED BY OTHERS. PHYSICALLY VERIFY LOCATIONS AND ELEVATIONS BEFORE BEGINNING INSTALLATIONS.
5. PIPING SHALL BE ROUTED HIDDEN FROM VIEW. WHERE PIPING CANNOT BE HIDDEN FROM VIEW, OBTAIN ARCHITECT APPROVAL OF ROUTING AND FINISHED APPEARANCE OF PIPING. FACTORY FINISH OF PIPING IS ACCEPTABLE. FACTORY FINISH OF INSULATION JACKET IS ACCEPTABLE. REMOVE NON-FACTORY AND VISABLY OBJECTIONAL MARKS ON FINISHED PIPING AND INSULATION.
6. CONTRACTOR SHALL COORDINATE WITH ALL TRADES DURING CONSTRUCTION.
7. REFER TO ARCHITECTURAL ELEVATION AND SECTIONS PRIOR TO ROUTING OF PIPING.

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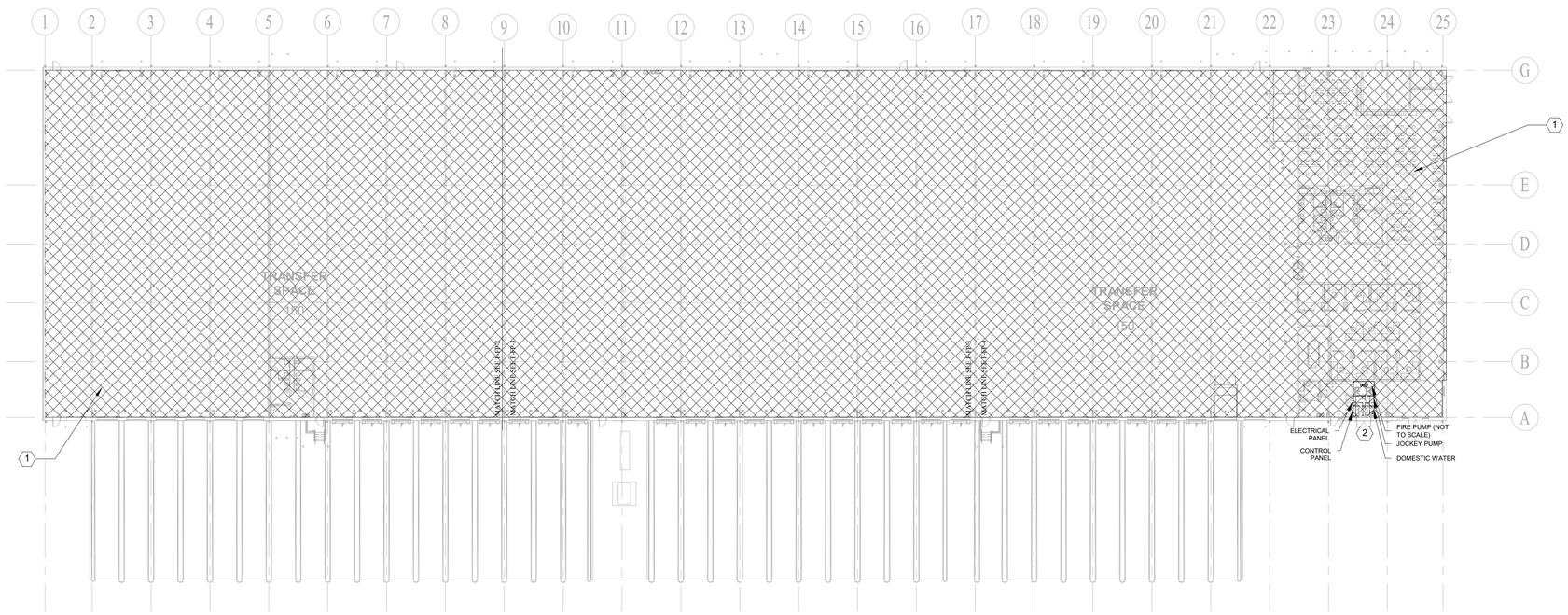
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**SYMBOLS & ABBREVIATIONS**

SHEET NO.

**F-0-00**




1 FIRE PROTECTION FLOOR PLAN
1" = 30'-0"

PLAN NORTH

0' 30' 60' 90' 120'

SCALE: 1"=30'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

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**FIRE PROTECTION NOTES: (1/F-1-02)**

1. CONTRACTOR SHALL DESIGN AND BUILD A NEW FIRE SPRINKLER SYSTEM AND REQUIRED TO PROVIDE SPRINKLER PROTECTION TO THE ENTIRE BUILDING. EVERY ROOM INCLUDING CLOSETS SHALL HAVE SPRINKLER COVERAGE.
2. REFER TO P-1-01 FOR FIRE LINE CONNECTIONS.

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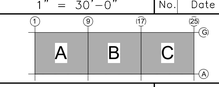
| SCALE: | 1" = 30'-0" | No. | Date | Description | By |

KEY MAP



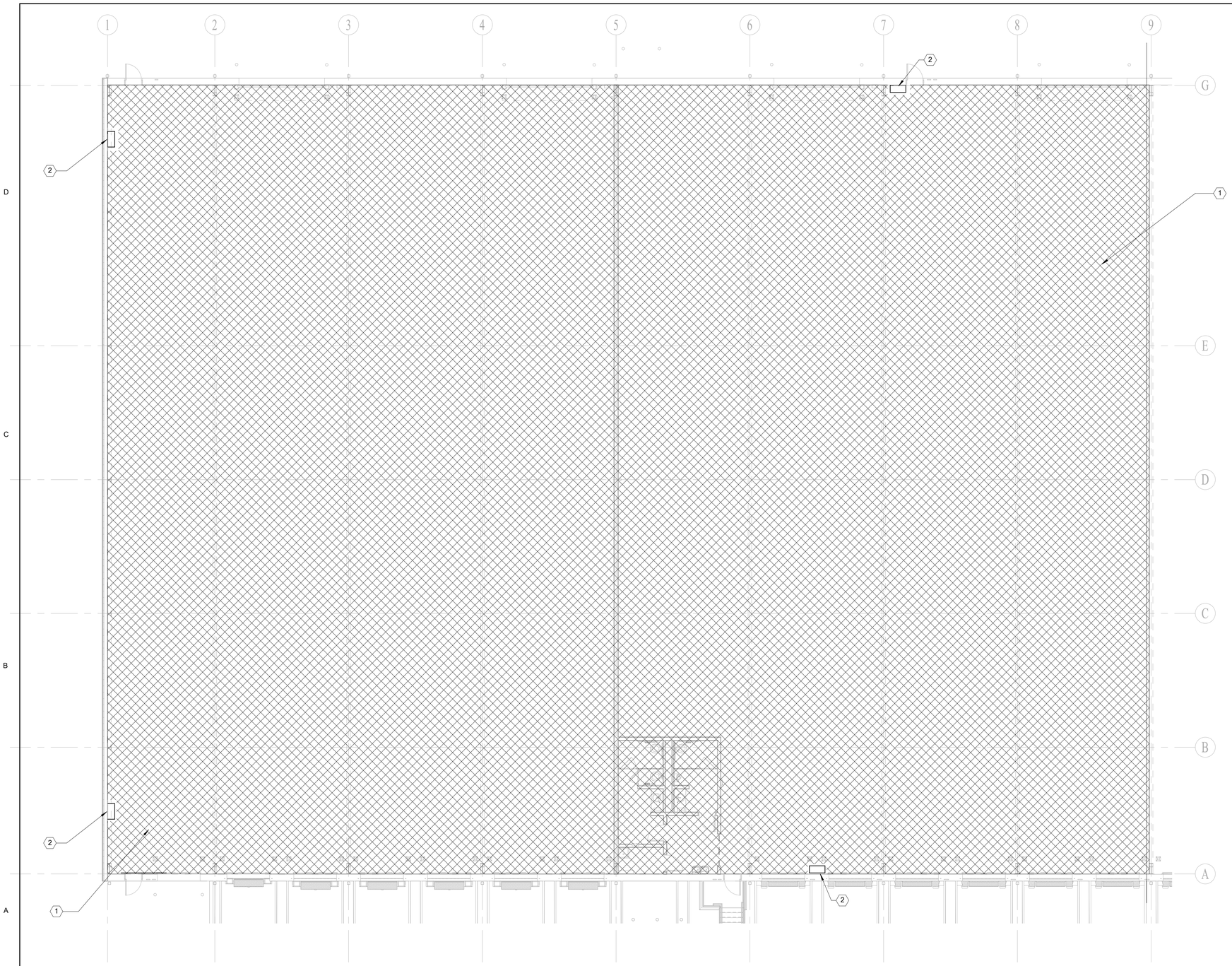

SECTOR J3

DRAWING DESCRIPTION:

**FIRE PROTECTION FLOOR PLAN**

SHEET NO.

**F-1-01**




1 FIRE PROTECTION - FLOOR PLAN - AREA A
1" = 10'-0"

PLAN NORTH

0' 10' 20' 30' 40'

SCALE: 1"=10'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

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**FIRE PROTECTION NOTES: (1/F-1-03)**

1. CONTRACTOR SHALL DESIGN AND BUILD A NEW WET FIRE SPRINKLER SYSTEM AND REQUIRED TO PROVIDE SPRINKLER PROTECTION TO THE ENTIRE BUILDING. EVERY ROOM INCLUDING CLOSETS SHALL HAVE SPRINKLER COVERAGE.
2. PROVIDE 2-1/2" FIRE HOSE CABINET CONNECTION WITH FLOW CONTROL ASSEMBLY AT THE HOSE CABINETS.

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

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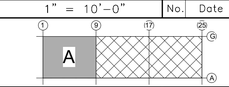
| SCALE: 1" = 10'-0" | No. | Date | Description | By |

KEY MAP



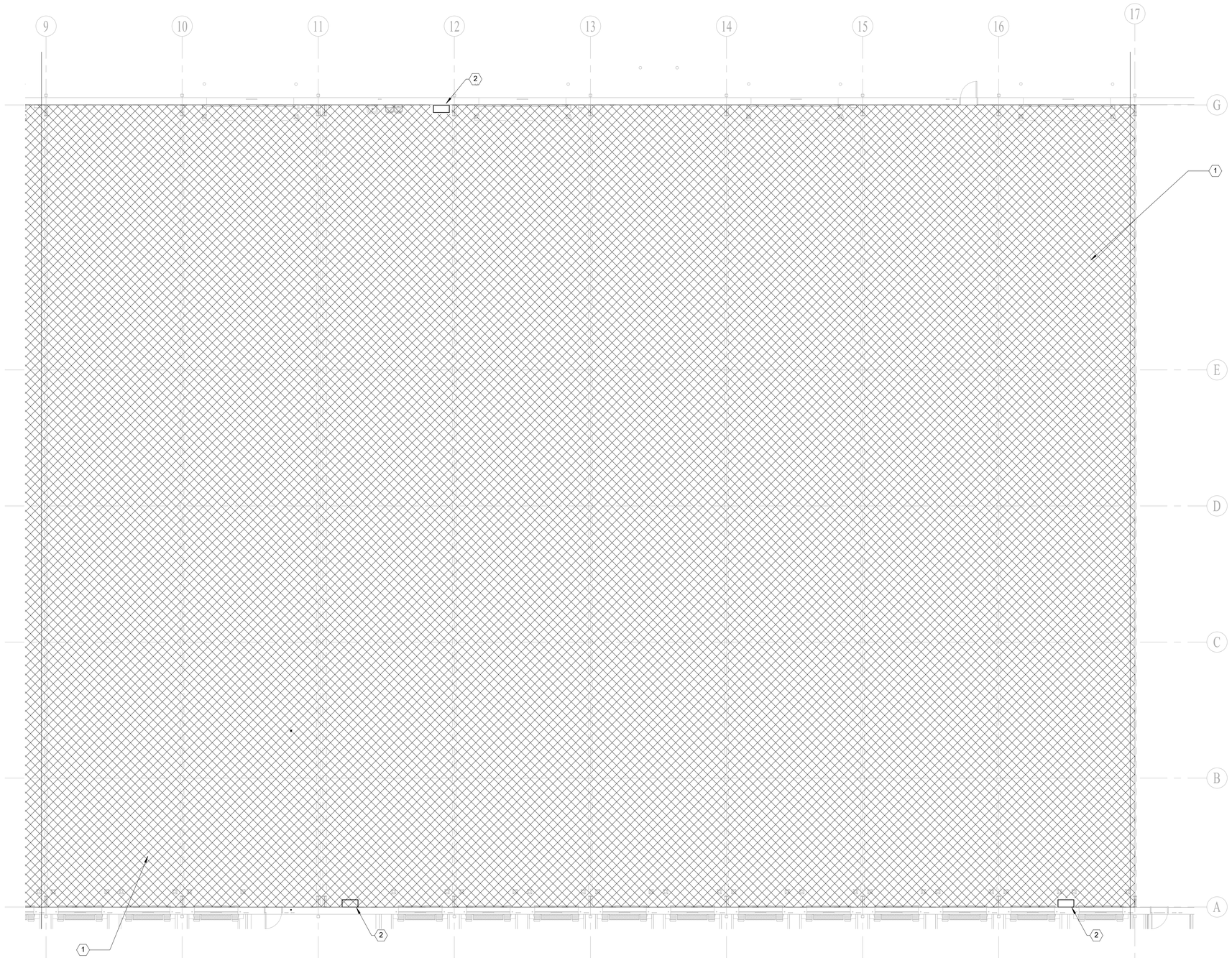

SECTOR J3

DRAWING DESCRIPTION:

**AREA A FLOOR PLAN**

SHEET NO.

**F-1-02**




1 FIRE PROTECTION - FLOOR - AREA B
1" = 10'-0"

PLAN NORTH

0' 10' 20' 30' 40'
SCALE: 1"=10'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

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**FIRE PROTECTION NOTES: (1/F-1-04)**

1. CONTRACTOR SHALL DESIGN AND BUILD A NEW FIRE SPRINKLER SYSTEM AND REQUIRED TO PROVIDE SPRINKLER PROTECTION TO THE ENTIRE BUILDING. EVERY ROOM INCLUDING CLOSETS SHALL HAVE SPRINKLER COVERAGE.
2. PROVIDE 2-1/2" FIRE HOSE CABINET CONNECTION WITH FLOW CONTROL ASSEMBLY AT THE HOSE CABINETS.

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

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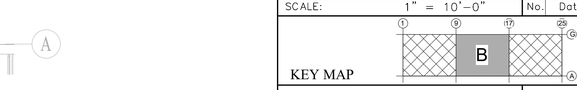
| SCALE: | 1" = 10'-0" | No. | Date | Description | By |

KEY MAP



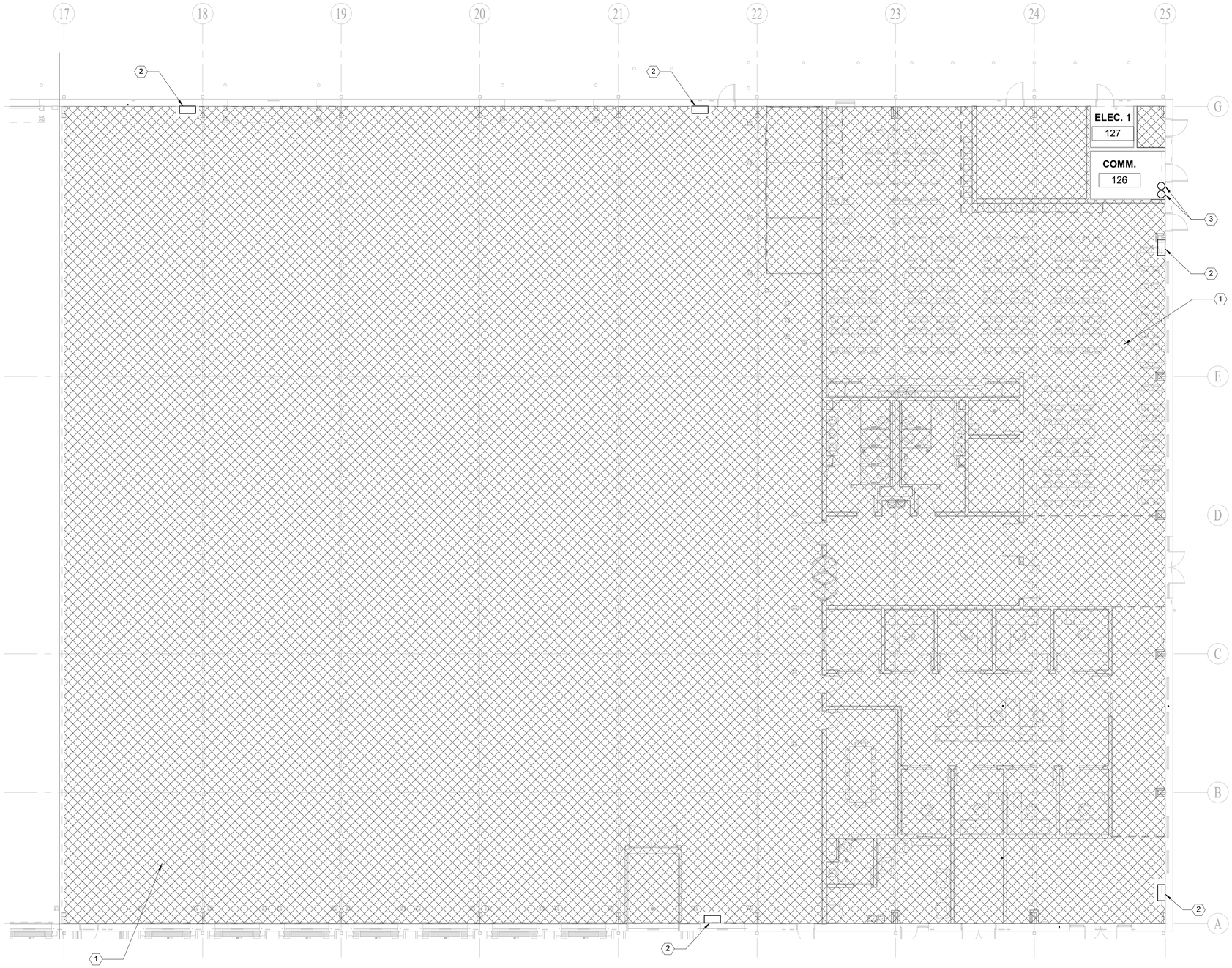

SECTOR J3

DRAWING DESCRIPTION:

**AREA B FLOOR PLAN**

SHEET NO.

**F-1-03**




1 FIRE PROTECTION - FLOOR - AREA C
1" = 10'-0"

PLAN NORTH

0' 10' 20' 30' 40'

SCALE: 1"=10'

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**FIRE PROTECTION NOTES: (1/F-1-05)**

1. CONTRACTOR SHALL DESIGN AND BUILD A NEW FIRE SPRINKLER SYSTEM AND REQUIRED TO PROVIDE SPRINKLER PROTECTION TO THE ENTIRE BUILDING. EVERY ROOM INCLUDING CLOSETS SHALL HAVE SPRINKLER COVERAGE.
2. PROVIDE 2-1/2" FIRE HOSE CABINET CONNECTION WITH FLOW CONTROL ASSEMBLY AT THE HOSE CABINETS.
3. PROVIDE FM-200 FIRE SUPPRESSION SYSTEM DRY-CHEMICAL TANKS FOR ELECTRICAL 127 AND COMM. 126 ROOM. FIELD VERIFY EXACT LOCATION.

AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

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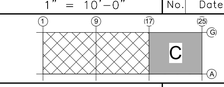
KEY MAP




SECTOR J3

DRAWING DESCRIPTION:

**AREA C FLOOR PLAN**

SHEET NO.

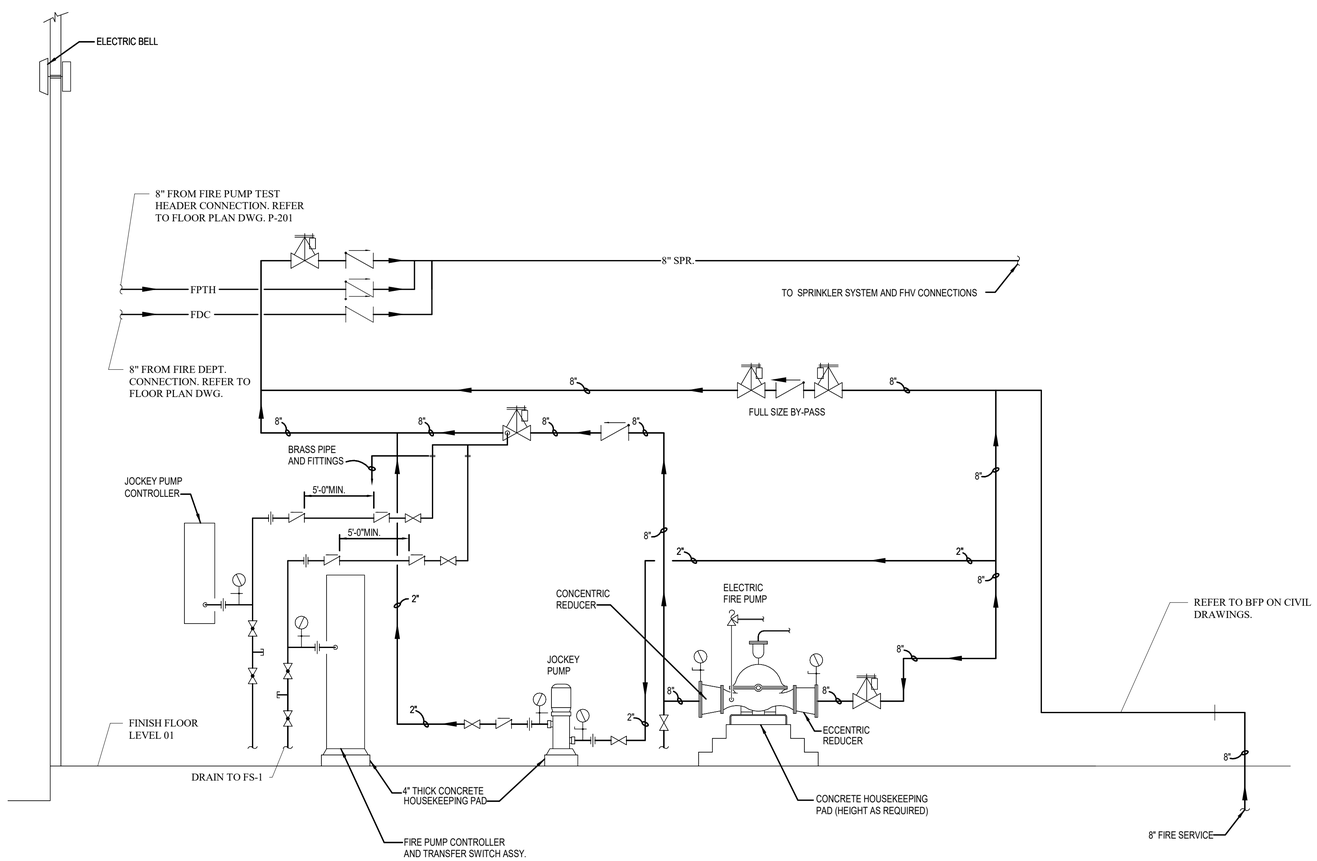
**F-1-04**

## FIRE AND JOCKEY PUMP SCHEDULE

| EQUIPMENT | TYPE | TOTAL | MOTOR | | | | | GPM | PSI | WORKING PRESSURE | LOCATION | MANUFACTURER MODEL NO. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | HP | RPM | VOLTS | PH | CYCLE | | | | | | |
| FIRE PUMP FP-1 | SPLIT CASE | 1 | 125 | 1785 | 480 | 3 | 60 | 2000 | 80 | 200 | FIRE RISER ROOM | 10X8X17F-S 8100 SERIES | PREPACKAGED FIRE PUMP SKID |
| JOCKEY PUMP JP-1 | VERTICAL MULTISTAGE | 1 | 0.75 | 3500 | 480 | 3 | 60 | 7.5 | 80 | 200 | FIRE RISER ROOM | PVM1-13 | MOUNTED ON FIRE PUMP SKID |

NOTE:

1. FIRE PUMP CONTROLLER SHALL BE EQUAL TO METRON MPT 700 SERIES, SOLID STATE SOFT START WITH AUTOMATIC TRANSFER SWITCH (NEMA 3R ENCLOSURE).
2. JOCKEY PUMP CONTROLLER SHALL BE EQUAL TO METRON MP15-SERIES WITH DATA LOGGING OPTION "DL" (NEMA 3R ENCLOSURE).
3. FINAL PUMP SELECTIONS TO BE DETERMINED BY FIRE PROTECTION CONTRACTOR BASED ON HYDRAULIC CALCULATIONS AND APPROVED BY AHJ.
4. LOCATE ALARM BELL AS REQUIRED BY AHJ.




1 / F-5-01 FIRE BOOSTER PUMP DETAIL
SCALE: NOT TO SCALE

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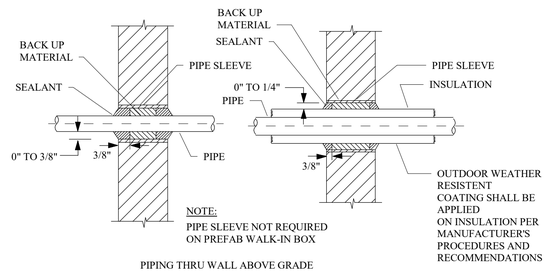
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**DETAILS**

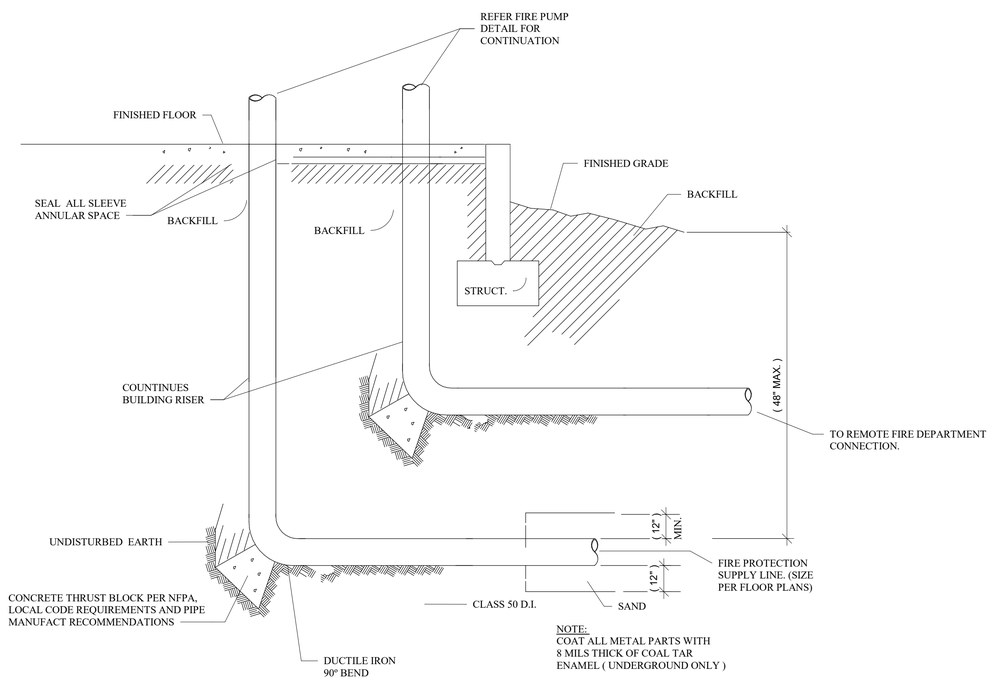
SHEET NO.

**F-5-01**




## 1 / F-5-02 PIPING THROUGH WALL ABOVE GRADE DETAIL

SCALE:NOT TO SCALE REFERENCED FROM:




## 2 / F-5-02 FIRE LINE RISER AND SUPPORT DETAIL

SCALE:NOT TO SCALE REFERENCED FROM:

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KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**DETAILS**

SHEET NO.

**F-5-02**

# GENERAL NOTES:

1. THE GENERAL CONDITIONS, SUPPLEMENTARY GENERAL CONDITIONS AND OTHER REQUIREMENTS OF DIVISION 1. THE ELECTRICAL, COMMUNICATION, AND SECURITY PLANS AND SPECIFICATIONS, MAY APPLY TO THE WORK SPECIFIED.
2. SECURITY INTEGRATOR HERE AFTER REFERRED TO, AS “CONTRACTOR” SHALL PROVIDE ALL MATERIALS, COMPONENTS, TOOLS, AND LABOR TO COMPLETE A VIDEO SURVEILLANCE AND ACCESS CONTROL SYSTEM AS SET FORTH IN THE ELECTRONIC SAFETY AND SECURITY SYSTEM DOCUMENTS, CONTRACTS AND DRAWINGS. REF. DIVISION 27/28, QY DRAWINGS AND E DRAWINGS.
3. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE SITE TO DETERMINE THE EXTENT OF WORK AND CONDITION UNDER WHICH IT WILL BE DONE. REVIEW AND VERIFY CONTRACT DOCUMENTS IN RELATION TO FIELD CONDITIONS TO VERIFY ACCURACY, CONFIRMING WITH DESIGNATED REPRESENTATIVE, THAT THE WORK HAS BEEN COMPLETED PRIOR TO PROCEEDING WITH INSTALLATION. REGARDING ANY PROJECT RELATED QUESTIONS; THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CLARIFICATION FROM OWNER, OR THEIR DESIGNATED REPRESENTATIVE, PRIOR TO PROCEEDING WITH THE WORK OR RELATED WORK IN QUESTION.
4. DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS MUST BE BROUGHT TO THE IMMEDIATE ATTENTION OF OWNER, OR THEIR DESIGNATED REPRESENTATIVE, FOR CLARIFICATION.
5. REFER TO SECURITY AND ELECTRICAL CONTRACT DOCUMENTS, DRAWINGS AND SPECIFICATIONS AS A UNIT AND IN WHOLE IN THE BIDDING AND INSTALLATION OF THIS PROJECT.
6. ELECTRICAL CONTRACTOR SHALL READ IN THEIR ENTIRETY ALL SECTIONS OF THE ELECTRONIC SAFETY AND SECURITY SYSTEM DOCUMENTS AND APPLY THEM AS APPROPRIATE FOR WORK IN THIS SECTION. REF DIVISION 28 AND QY DRAWINGS.
7. ELECTRICAL CONTRACTOR SHALL PROVIDE MATERIALS, COMPONENTS, TOOLS, AND LABOR TO COMPLETE SECURITY CABLING PATHWAY, ELECTRICAL POWER DISTRIBUTION AND GROUNDING SYSTEM AS SET FORTH IN THE ELECTRONIC SAFETY AND SECURITY SYSTEM DOCUMENTS AND THE ELECTRICAL DOCUMENTS, SPECIFICATIONS AND DRAWINGS.
8. CONTRACTOR SHALL NOTE AND REPORT TO GC SECURITY SYSTEM WORK PERFORMED OR NOT PERFORMED BY ELECTRICAL CONTRACTOR WHICH DOES NOT COMPLY WITH ELECTRONIC SAFETY AND SECURITY SPECIFICATIONS AND DRAWINGS AND ARE INTENDED FOR THE SECURITY SYSTEMS COMPONENTS.
9. CONTRACTOR SHALL TAKE NECESSARY MEANS TO ENSURE SECURITY SYSTEM COMPONENTS ARE PROTECTED FROM MECHANICAL DAMAGE, DUST AND DIRT DURING CONSTRUCTION.
10. ALL COMPONENTS AND DEVICES SHOWN ON THESE DRAWINGS ARE FOR APPROXIMATE LOCATION AND POSITIONING ONLY. VERIFY EXACT LOCATIONS WITH THE OWNER OR G.C. PRIOR TO INSTALLATION.

# SECURITY PATHWAY:

1. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONDUITS, PULL STRINGS, CORES, AND JUNCTION BOXES AS REQUIRED ON THE "QY" DRAWINGS.
2. CONDUIT RUNS SHALL BE INSTALLED WITH NO MORE THAN TWO (2) 90 DEGREE RADIUS BENDS AND NOT EXCEED 100FT FOR INTERIOR CABLING.
3. PRIOR TO SUBSTANTIAL COMPLETION. ALL SECURITY PATHWAY CONDUITS AND UNUSED "SECURITY INTENDED USE CONDUITS" SHALL BE PROPERLY FIRESTOPPED AND LABELED.
4. CONDUIT SIZES INDICATED ON THE DRAWINGS AND HOME RUN SIZES SHOWN ON DETAIL SHEETS ARE TO BE CONSIDERED THE MINIMUM SIZE TO BE INSTALLED. PROVIDE LARGER OR ADDITIONAL CONDUIT IF REQUIRED. CONDUIT SIZES INDICATE DEDICATED HOME RUNS, BUT MAY BE COMBINED WITH OTHER LOCATIONS BY SYSTEM TYPE (VIDEO SURVEILLANCE, INTERCOM AND ACCESS CONTROL) AS LONG AS NEC MAXIMUM FILL REQUIREMENTS ARE MAINTAINED.
5. FURNISH AND INSTALL CABLE MANAGEMENT DEVICES (VELCRO WRAPS, ETC) AND CEILING MOUNTING HARDWARE, CABLE SADDLES AS REQUIRED. (UNLESS SPECIFIED FOR INSTALLATION BY ELECTRICAL CONTRACTOR).
6. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL CONDUIT PATHS FROM EACH CAMERA LOCATION BACK TO NEAREST CABLE TRAY/TELECOM PATHWAY TO SECURITY WALL FIELD LOCATED IN NEAREST IDF/MDF. PROVIDE PULL STRINGS, CORES AND JUNCTION BOXES AS REQUIRED.
7. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL HOMERUN CONDUIT PATHS FROM EACH ACCESS CONTROL LOCATION BACK TO NEAREST IDF/ MDF TO ACCESS CONTROL WALL FIELD.

# GROUNDING AND BONDING:

1. CONTRACTOR SHALL ADHERE TO ALL GROUNDING AND BONDING REQUIREMENTS SET FOURTH IN THE ANSI-J-STD-607-B COMMERCIAL GROUNDING AND BONDING STANDARDS.

# SECURITY DRAWINGS:

| | |
|---|---|
| QY-0-01 | SECURITY INDEX |
| QY-1-01 | SECURITY - SITE PLAN (PACKAGE 1) |
| QY-1-02 | SECURITY - SITE PLAN (PACKAGE 2) |
| QY-1-03 | SECURITY - FIRST FLOOR PLAN |
| QY-1-04 | SECURITY - AREA A FLOOR PLAN |
| QY-1-05 | SECURITY - AREA B FLOOR PLAN |
| QY-1-06 | SECURITY - AREA C FLOOR PLAN |
| QY-1-07 | SECURITY - FIRST FLOOR REFLECTED CEILING PLAN |
| QY-1-08 | SECURITY - AREA A REFLECTED CEILING PLAN |
| QY-1-09 | SECURITY - AREA B REFLECTED CEILING PLAN |
| QY-1-10 | SECURITY - AREA C REFLECTED CEILING PLAN |
| QY-5-01 | SECURITY DETAILS |
| QY-5-02 | SECURITY DETAILS |
| QY-5-03 | SECURITY DETAILS |
| QY-5-04 | SECURITY DETAILS |
| QY-5-05 | CAMERA VIEWS |
| QY-5-06 | CAMERA VIEWS |
| QY-5-07 | CAMERA VIEWS |

# VIDEO SURVEILLANCE:

1. CONTRACTOR SHALL PROVIDE AND INSTALL MOUNTS AND HARDWARE AS SHOWN ON "QY" DRAWINGS.
2. CONTRACTOR SHALL PROVIDE AND INSTALL CAMERAS AT THE HEIGHT ABOVE GRADE OR ABOVE FINISHED FLOOR AS INDICATED ON THE "QY" PLANS.
3. COORDINATE LOCATION OF CAMERAS WITH ALL CEILING MOUNTED ARCHITECTURAL AND MEP EQUIPMENT.
4. CONTRACTOR SHALL LOCATE CAMERAS AND CONFIGURE LENS SETTINGS TO OPTIMIZE CAMERA VIEWS.
5. CONTRACTOR SHALL PROVIDE AND INSTALL ALL COMPONENTS AS DETAILED IN THE "QY" DRAWINGS.
6. CONTRACTOR SHALL PROVIDE AND INSTALL ALL MISCELLANEOUS NUTS, BOLTS MOUNTING PLATES AND OTHER ACCESSORIES REQUIRED FOR A FULL TURN KEY INSTALLATION.
7. CONTRACTOR IS RESPONSIBLE FOR CAMERA LICENSES, SOFTWARE REVISIONS, NVR, AND CAMERA FIELD OF VIEWS.
8. CONTRACTOR SHALL PROVIDE OWNER TRAINING AS REQUIRED PER SPECIFICATIONS.
9. CONTRACTOR SHALL PROVIDE NETWORK STORAGE CALCULATIONS AS PART OF SUBMITTAL PACKAGE.
10. MOTION DETECTION WINDOWS ARE TO BE CONFIGURED WITH THE INVOLVEMENT OF THE OWNER IN ORDER TO MINIMIZE FALSE MOTION EVENTS.
11. ALL CABLING FOR IP CAMERAS WILL BE PROVIDED AND INSTALLED BY COMMUNICATION CABLING CONTRACTOR.
12. COORDINATE WITH COMMUNICATION CABLING CONTRACTOR FOR INSTALLATION OF DATA CAMERA CABLING.
13. THE CAMERA INSTALLER SHALL VERIFY THERE ARE NO PHYSICAL OBSTRUCTIONS TO THE INTENDED CAMERA VIEW PRIOR TO INSTALLATION. SHOULD ANY OBSTRUCTION BE PRESENT IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE CONSULTANT AND OWNER AND ADJUST THE CAMERA POSITION AS NEEDED.
13. THE CONTRACTOR SHALL CONFIGURE CAMERAS, CONNECT TO OWNERS PROVIDED NETWORK, ADJUST INTENDED VIEWS OF CAMERAS, AND ENSURE CAMERAS ARE FUNCTIONING AS INTENDED.
14. THE CONTRACTOR SHALL PROVIDE 1 VMS LICENSE AND 1 BRIEFCAM ANALYTIC LICENSE PER CAMERA.
15. THE ONLY AUS AUTHORIZED CONTRACTOR TO PROGRAM THE VIDEO MANAGEMENT SYSTEM IS CONVERGINT TECHNOLOGIES. THE GENERAL CONTRACTOR OR CONTRACTOR SHALL ENROLL THE SERVICES OF CONVERGINT TECHNOLOGIES TO PROGRAM THE CAMERAS.

# ACCESS CONTROL:

1. DOOR CONTRACTOR SHALL PROVIDE AND INSTALL ALL ELECTRIC COMPONENTS AS SHOWN ON "QY" DRAWINGS AND COMPLY WITH BUILDING HARDWARE SCHEDULE.
2. DOOR CONTRACTOR SHALL PROVIDE AND INSTALL EXTERIOR KEY-BYPASS OPTION ON ALL ELECTRIC LOCK DOORS TO ALLOW MANUAL ENTRY. LOCKS SHALL BE THE SAME MANUFACTURER AS REQUIRED BY BUILDING HARDWARE SCHEDULE.
3. DOOR CONTRACTOR SHALL PROVIDE AND INSTALL ALL ELECTRICAL TRANSFER HINGES AS SHOWN ON "QY" DRAWINGS AND COMPLY WITH BUILDING HARDWARE SCHEDULE.
4. FIRE ALARM CONTRACTOR SHALL PROVIDE FIRE ALARM SIGNAL INTERFACES AS REQUIRED AND COORDINATED BY THE SECURITY CONTRACTOR FOR RELEASE OF SECURITY CONTROLLED DOORS PER CURRENT LIFE SAFETY CODES.
5. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL DOOR PREP TO INCLUDE CONDUIT, PULL STRINGS AND JUNCTION BOXES AS SHOWN ON THE QY DRAWINGS.
6. ELECTRICAL CONTRACTOR SHALL REFER TO "TY" DRAWINGS TO VERIFY LOCATIONS OF SECURITY GANG BOXES AND CONDUIT AND PROVIDE THOSE COMPONENTS PRIOR TO THE SECURITY INSTALLATION.
7. SECURITY CONTRACTOR TO HOME-RUN ALL SECURITY DOOR DEVICE COMPOSITE CABLING TO DESIGNATED SECURITY PANEL PER FLOOR.
8. SECURITY CONTRACTOR TO LEAVE 24" SERVICE LOOPS OF COMPOSITE CABLING ABOVE DOOR AND ABOVE THE DESIGNATED SECURITY PANEL.
9. ALL DOORS ARE SET TO FAIL SECURE WITH PUSHBAR OR HANDLE ACTIVATED REQUEST TO EXIT AND EGRESS AND KEY LOCK INGRESS.
10. SECURITY CONTRACTOR TO SIZE DOOR CONTROLLERS, ENCLOSURES, BOARDS AND POWER SUPPLIES TO PREPARE FOR FUTURE ACCESS CONTROL DOORS.
11. SECURITY CONTRACTOR SHALL PROVIDE AND INSTALL THE FOLLOWING:
    A. LOW VOLTAGE CABLE AS REQUIRED
    B. COORDINATION WITH OWNER TO ENSURE SUCCESSFUL TIE INTO OWNER'S ACCESS CONTROL SYSTEM.
12. THE OWNER WILL PROVIDE AND INSTALL THE FOLLOWING:
    A. CARD READERS
    B. SUPERVISED RESISTORS
    C. DOOR RELEASE
    D. BOARD ENCLOSURE
    E. CONTROLLER
    F. EXPANSION BOARDS AS REQUIRED
    G. SUPERVISED RESISTORS
13. PLANS AND SPECIFICATIONS MUST BE SUBMITTED TO, AND APPROVED BY, THE FIRE DEPT. PRIOR TO INSTALLATION OF ANY TIME DELAYED EGRESS DEVICE OR ACCESS-CONTROLLED EGRESS DEVICE THAT IMPACTS EXITING. ELECTRIC STRIKES THAT ALLOW FREE EGRESS AT ALL TIMES GENERALLY WILL NOT REQUIRE AFD SUBMITTAL.

# ELECTRICAL:

1. FOR SPECIFIC PROJECT POWER AND RECEPTACLE REQUIREMENTS IN THE REFERENCE ELECTRICAL SPECIFICATIONS AND DRAWINGS AND VERIFY WITH SECURITY SPECIFICATIONS AND DRAWINGS. REPORT TO GC DISCREPANCIES PRIOR TO PURCHASE OR INSTALLATION.
2. FOR SPECIFIC CAMERAS AND ACCESS CONTROL POWER REQUIREMENTS REFERENCE ELECTRICAL SPECIFICATIONS AND DRAWINGS AND VERIFY AGAINST SECURITY SPECIFICATIONS AND DRAWINGS. REPORT TO GC DISCREPANCIES PRIOR TO PURCHASE OR INSTALLATION.
3. ELECTRICAL CONTRACTOR SHALL INSTALL NORMAL AND GENERATOR BACK-UP POWER AS REQUIRED BY THE SECURITY SYSTEM AND COORDINATED BY THE SECURITY CONTRACTOR.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE 120V AC FOR ELECTRIC LOCK POWER SUPPLIES, SECURITY POWER SUPPLIES AND CAMERA POWER SUPPLIES AS REQUIRED. SECURITY AND DOOR CONTRACTORS SHALL IDENTIFY LOCATIONS ON SUBMITTALS.

# SECURITY SYMBOLS:

| | |
|---|---|
| | SECURITY IP CAMERA<br>MOUNTED +120" AFF UNLESS NOTED OTHERWISE |
| CR | CARD ACCESS READER<br>PROVIDE 22-AWG/6-CON (READER), 18-AWG/4-CON (LOCK PWR), 22-AWG/2-CON (DOOR CONTACT), 22-AWG/4-CON (RTE)<br>FROM CLOSEST ACCESS CONTROL PANEL TO DESIGNATED DOOR DEVICES |
| DC | DOOR CONTACT ONLY<br>PROVIDE 22-AWG/2-CON (DOOR CONTACT), FROM CLOSEST ACCESS CONTROL PANEL TO DESIGNATED DOOR DEVICES |
| DR | DOOR RELEASE<br>MOMENTARY ROCKER SWITCH THAT WILL RELEASE DESIGNATED DOOR OR GATE |
| PP | PUSH PLATE<br>CONTRACTOR TO DOOR HARDWARE AND ELECTRICAL FOR ROUGH-IN AND POWER REQUIREMENT |
| G "X" | GATE LOCATION<br>PROVIDE CARD READER AND INTERCOM PER EACH GATE LOCATION "X" INDICATES LOCATION IDENTIFICATION |
| PD | PEDESTAL<br>PROVIDE PEDESTAL WITH CARD READER AND INTERCOM<br>PROVIDE INTERCOM AND CARD READER AT CAR AND TRUCK HEIGHT |
| EI | ENTRY INTERCOM<br>ENTRY INTERCOM THAT WILL CALL DISPATCH FOR REMOTE UNLOCK OF GATE |
| SCP | SECURITY CONTROL PANEL<br>REFERENCE TELECOM DRAWINGS FOR EXACT LOCATION AND DETAILS |

## RESPONSIBILITY MATRIX

| SECURITY RESPONSBILITY MATRIX | GC | SEC | DOOR HARDWARE | OWNER |
|---|---|---|---|---|
| ACCESS CONTROL PANEL | | | | X |
| CONDUITS | X | | | |
| J-BOXES | X | | | |
| POWER>24VDC | X | | | |
| FLOOR BOXES/FLOOR POKES | X | | | |
| DISPLAY BACK BOXES/BACKING | X | | | |
| ACCESS PANELS | X | | | |
| SECURITY CABLING (NON IP) | | X | | |
| SECURITY PANELS | | | | X |
| CAMERAS | | X | | |
| CARD READERS | | | | X |
| DOOR CONTACTS | | X | | |
| DOOR LOCKS AND HARDWARE | | | X | |
| REX (INTEGRATED) | | | X | |
| REX (PIR) | | | | X |
| LOW VOLTAGE POWER DISTRIBUTION PANELS AND CABLING | | | | X |
| NETWORK VIDEO RECORDERS | | | | X |
| SECURITY SYSTEM LICENSES | | X | | |
| PROPRIETARY REMOTE LOCKDOWN PANELS | | | | X |
| COMPUTERS | | | | X |

# ABBREVIATIONS:

| | |
|---|---|
| ACS | ACCESS CONTROL SYSTEM |
| AFF | ABOVE FINISHED FLOOR |
| APS | ACCESS CONTROL POWER SUPPLY |
| AWG | AMERICAN WIRE GAUGE |
| CFCI | CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED |
| CCTV | CLOSED CIRCUIT TELEVISION |
| CH | CHANNEL |
| CPS | CAMERA POWER SUPPLY |
| CPU | CENTRAL PROCESSING UNIT |
| CON. | CONDUCTOR |
| CRT | CATHODE RAY TUBE |
| DB | DECIBEL |
| DGP | DATA GATHERING PANEL |
| DVR | DIGITAL VIDEO RECORDER |
| EL | ELECTRONIC LOCKSET |
| ESS | ELECTRONIC SAFETY & SECURITY |
| FC | FOOT CANDLE |
| FOV | FIELD OF VIEW |
| FPS | FRAMES PER SECONDS |
| FSD | FLAT SCREEN DISPLAY |
| IDF | INTERMEDIATE DISTRIBUTION FRAME |
| IP | INTERNET PROTOCOL |
| IR | INFRARED |
| JPEG | JOINT PHOTOGRAPHIC EXPERTS GROUP |
| LPS | LOCK POWER SUPPLY |
| MDF | MAIN DISTRIBUTION FRAME |
| MPEG | MOTION PICTURE EXPERTS GROUP |
| NTSC | NATIONAL TELEVISION STANDARDS COMMITTEE |
| NVR | NETWORK VIDEO RECORDER |
| PIR | PASSIVE INFRARED |
| POE | POWER OVER ETHERNET |
| PP | PATCH PANEL |
| PPF | PIXELS PER FOOT |
| PTZ | PAN-TILT-ZOOM |
| QY | SECURITY DISCIPLINE DESIGNATOR |
| REX | REQUEST TO EXIT |
| SMS | SOFTWARE MANAGEMENT SYSTEM |
| TP | TERMINATION POINT |
| TS | TRADE SIZE |
| TR | TELECOM ROOM |
| UM | MICRON |
| UPS | UNINTERRUPTIBLE POWER SUPPLY |
| UTP | UNSHIELDED TWISTED PAIR |
| VMS | VIDEO MANAGEMENT SOFTWARE |
| WDR | WIDE DYNAMIC RANGE |

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.


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KEY MAP

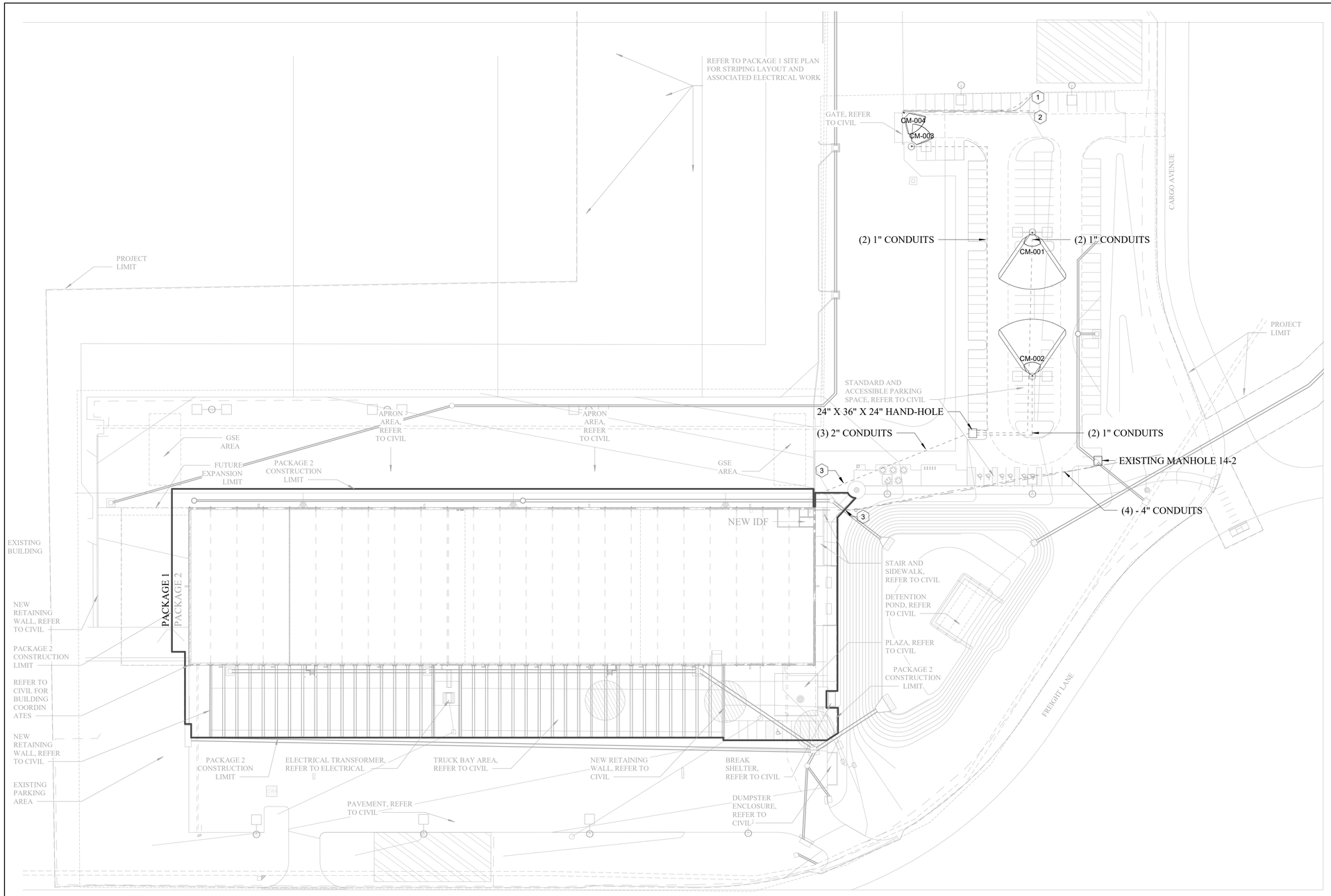
SECTOR J3

DRAWING DESCRIPTION:

**SECURITY INDEX**

SHEET NO.

**QY-0-01**




1 SECURITY - PACKAGE 1 - SITE PLAN
1" = 50'-0"

PLAN NORTH

0' 50' 100' 150' 200'

SCALE: 1"=50'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

SHEET NOTES

| | |
|---|---|
| 1 | EXISTING LIGHT POLE LOCATION WITH CAMERA. SPLICE INTO EXISTING CABLE AND EXTEND TO NEW LIGHT POLE LOCATION. EXISTING LIGHT POLE NEW CAMERA AND MOUNT TO BE INSTALLED AT NEW LOCATION. |
| 2 | EXISTING CONTROL GATE LOCATION. SPLICE INTO EXISTING CABLE AND EXTEND TO NEW GATE LOCATION. OWNER WILL RELOCATE EXISTING CONTROLS AND COMPONENTS TO NEW GATE. |
| 3 | CONTRACTOR TO CAP CONDUIT IN PACKAGE 1 AND PACKAGE 2 TO PICK UP THE REMAINDER OF THE CONDUIT/INSTALLATION. |

VIDEO SURVEILLANCE SCHEDULE - SITE

| CAMERA ID | MOUNT TYPE | MOUNTING HEIGHT | CAMERA DETAIL | CAMERA TYPE |
|---|---|---|---|---|
| CM-001 | OUTDOOR POLE | 10' 0" | QY-5-01/3 | Q3515-LVE |
| CM-002 | OUTDOOR POLE | 10' 0" | QY-5-01/3 | Q3515-LVE |
| CM-003 | OUTDOOR POLE | 10' 0" | QY-5-01/3 | Q3515-LVE |
| CM-004 | OUTDOOR POLE | 10' 0" | QY-5-01/3 | Q6075-E |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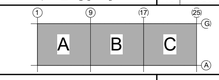
KEY MAP



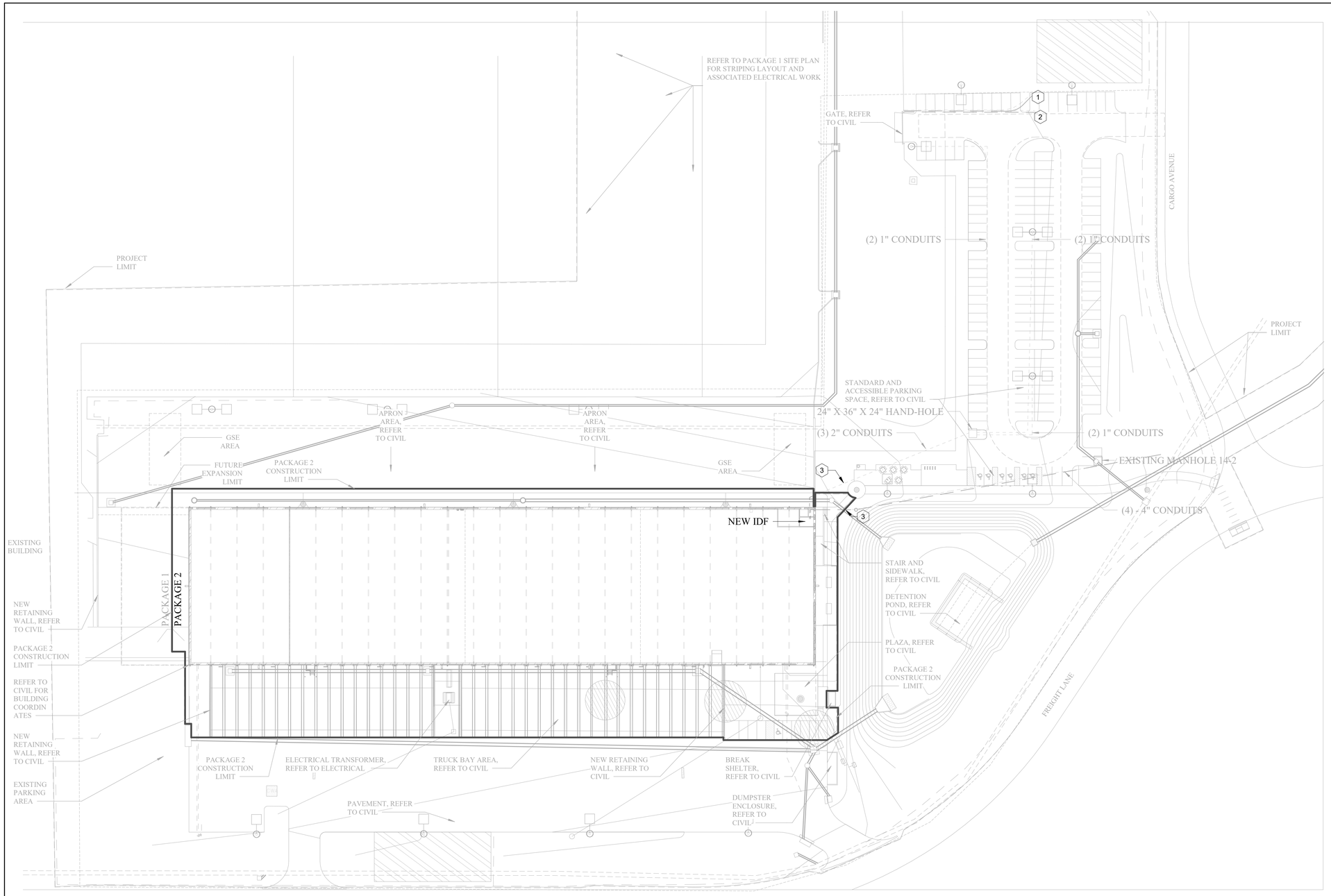

SECTOR J3

DRAWING DESCRIPTION:

**SECURITY - SITE PLAN (PACKAGE 1)**

SHEET NO.

**QY-1-01**




## 1 SECURITY - PACKAGE 2 - SITE PLAN

1" = 50'-0"

PLAN NORTH

0' 50' 100' 150' 200'

SCALE: 1"=50'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

SHEET NOTES

| | |
|---|---|
| 1 | EXISTING LIGHT POLE LOCATION WITH CAMERA. SPLICE INTO EXISTING CABLE AND EXTEND TO NEW LIGHT POLE LOCATION. EXISTING LIGHT POLE NEW CAMERA AND MOUNT TO BE INSTALLED AT NEW LOCATION. |
| 2 | EXISTING CONTROL GATE LOCATION. SPLICE INTO EXISTING CABLE AND EXTEND TO NEW GATE LOCATION. OWNER WILL RELOCATE EXISTING CONTROLS AND COMPONENTS TO NEW GATE. |
| 3 | CONTRACTOR TO CAP CONDUIT IN PACKAGE 1 AND PACKAGE 2 TO PICK UP THE REMAINDER OF THE CONDUIT/INSTALLATION. |

VIDEO SURVEILLANCE SCHEDULE - SITE (REFER TO PACKAGE 1 FOR CONTRACTOR TO INSTALL)

| CAMERA ID | MOUNT TYPE | MOUNTING HEIGHT | CAMERA DETAIL | CAMERA TYPE |
|---|---|---|---|---|
| CM-001 | OUTDOOR POLE | 10' 0" | QY-5-01/3 | Q3515-LVE |
| CM-002 | OUTDOOR POLE | 10' 0" | QY-5-01/3 | Q3515-LVE |
| CM-003 | OUTDOOR POLE | 10' 0" | QY-5-01/3 | Q3515-LVE |
| CM-004 | OUTDOOR POLE | 10' 0" | QY-5-01/3 | Q6075-E |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| No. | Date | Description | By |
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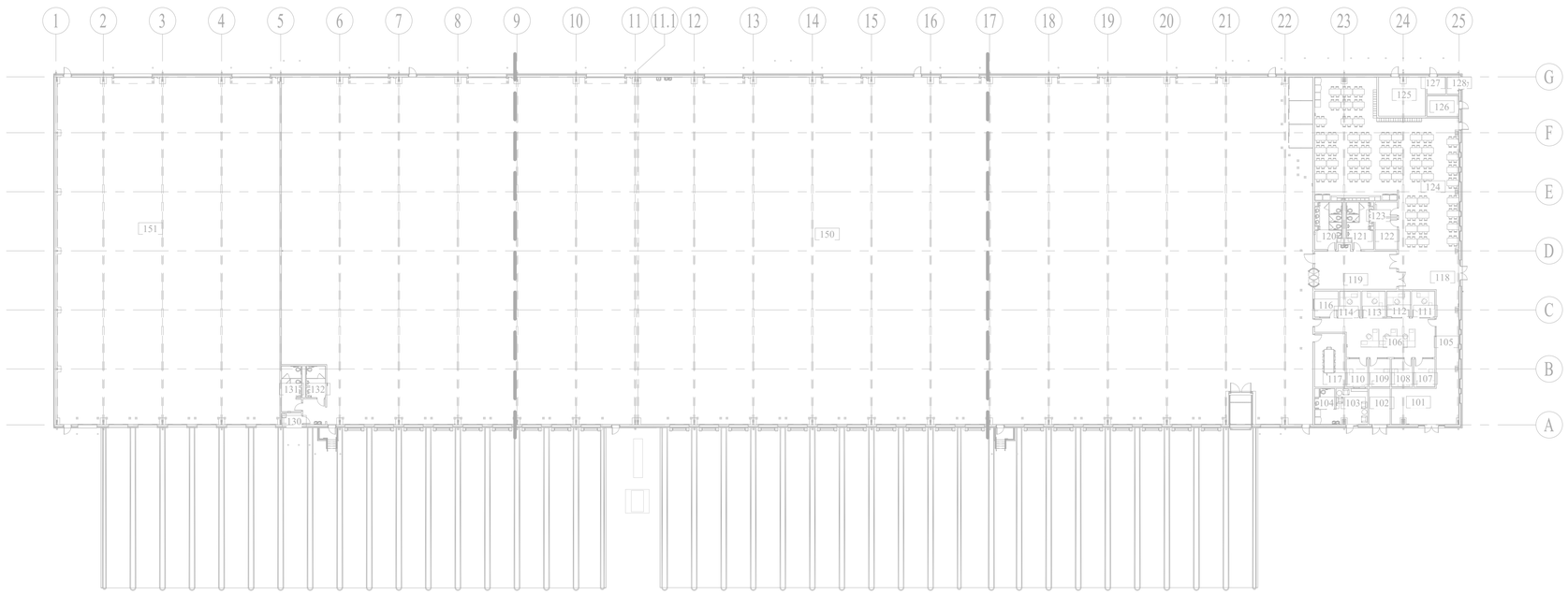
KEY MAP A B C SECTOR J3

DRAWING DESCRIPTION:

**SECURITY - SITE PLAN (PACKAGE 2)**

SHEET NO.

**QY-1-02**



1 SECURITY - FLOOR PLAN - FIRST FLOOR - OVERALL
1" = 30'-0"

PLAN NORTH

0' 30' 60' 90' 120'

SCALE: 1"=30'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.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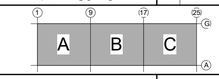
| FILE NAME: L13189.026-QY-1-03.dwg | | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | 1" = 30'-0" | No. | Date | Description | By |

KEY MAP




SECTOR J3

DRAWING DESCRIPTION:

**SECURITY - FIRST FLOOR PLAN**

SHEET NO.

**QY-1-03**

1 SECURITY - FLOOR PLAN - FIRST FLOOR - AREA A
1" = 10'-0"

PLAN NORTH

0' 10' 20' 30' 40'

SCALE: 1"=10'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

GENERAL NOTES:

1. ALL ACCESS CONTROL ELEMENTS TO BE INSTALLED IN CONDUIT BACK TO NEAREST SECURITY PANEL.
2. ALL CAMERA ELEMENTS TO BE INSTALLED IN CONDUIT BACK TO THE NEAREST ACCESSIBLE CEILING.
3. ALL DEVICE WITHIN THE WAREHOUSE SPACE TO BE INSTALLED WITHIN CONDUIT.

SHEET NOTES

| | |
|---|---|
| 1 | SECURITY CONTROL PANEL WILL BE HOUSED WITHIN TELECOM CONTRACTOR PROVIDED OUTDOOR RATED ENCLOSURE AND IDF ROOM. |

ACCESS CONTROL SCHEDULE - AREA A

| ACCESS CONTROL NUMBER | DOOR NUMBER | HARDWARE SET | DEVICE DETAIL |
|---|---|---|---|
| CR-A-101 | 151B | X735 | QY-5-03/1 |
| CR-A-102 | OC10 | C001 | QY-5-03/3 |
| CR-A-103 | OC09 | C001 | QY-5-03/3 |
| CR-A-104 | OC08 | C001 | QY-5-03/3 |
| CR-A-105 | 150E | X735 | QY-5-03/1 |
| CR-A-106 | OC07 | C001 | QY-5-03/3 |
| CR-A-107 | 150D | C715 | QY-5-03/1 |
| CR-A-108 | 151A | C715 | QY-5-03/1 |

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | |
|---|---|
| DRAWN BY: | WL |
| CHECKED BY: | AM |
| COORD. CHECK: | MC |
| FILE NAME: | L13189.026-QY-1-04.dwg |
| DATE: | 02AUG21 |
| SCALE: | 1" = 10'-0" |

| No. | Date | Description | By |
|---|---|---|---|

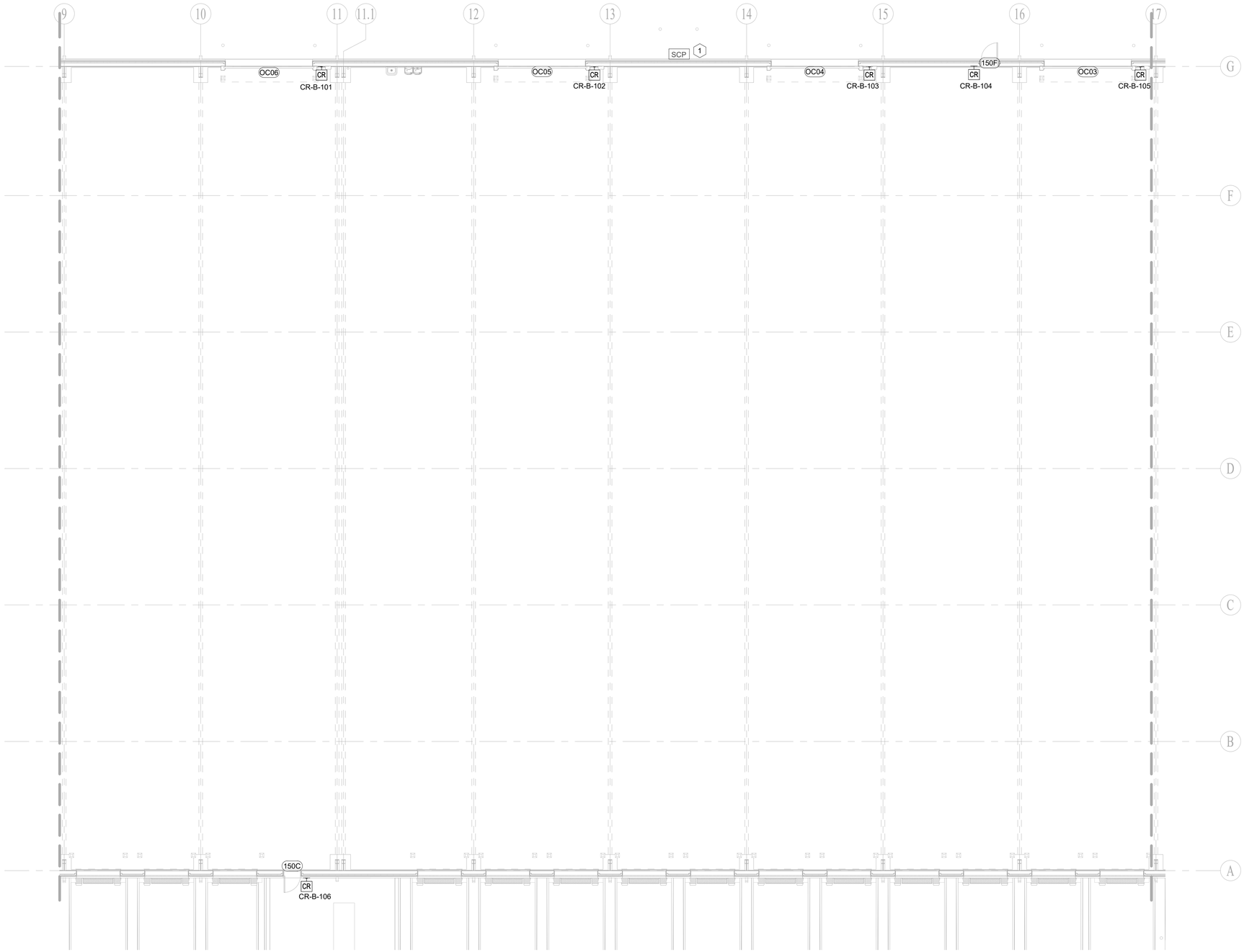
KEY MAP — A — SECTOR J3

DRAWING DESCRIPTION:

## SECURITY - AREA A FLOOR PLAN

SHEET NO.

QY-1-04




1 SECURITY - FLOOR PLAN - FIRST FLOOR - AREA B
1" = 10'-0"

PLAN NORTH

0' 10' 20' 30' 40'

SCALE: 1"=10'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

GENERAL NOTES:

1. ALL ACCESS CONTROL ELEMENTS TO BE INSTALLED IN CONDUIT BACK TO NEAREST SECURITY PANEL.
2. ALL CAMERA ELEMENTS TO BE INSTALLED IN CONDUIT BACK TO THE NEAREST ACCESSIBLE CEILING.
3. ALL DEVICE WITHIN THE WAREHOUSE SPACE TO BE INSTALLED WITHIN CONDUIT.

SHEET NOTES

| | |
|---|---|
| 1 | SECURITY CONTROL PANEL WILL BE HOUSED WITHIN TELECOM CONTRACTOR PROVIDED OUTDOOR RATED ENCLOSURE AND IDF ROOM. |

ACCESS CONTROL SCHEDULE - AREA B

| ACCESS CONTROL NUMBER | DOOR NUMBER | HARDWARE SET | DEVICE DETAIL |
|---|---|---|---|
| CR-B-101 | OC06 | C001 | QY-5-03/3 |
| CR-B-102 | OC05 | C001 | QY-5-03/3 |
| CR-B-103 | OC04 | C001 | QY-5-03/3 |
| CR-B-104 | 150F | X735 | QY-5-03/1 |
| CR-B-105 | OC03 | C001 | QY-5-03/3 |
| CR-B-106 | 150C | C715 | QY-5-03/1 |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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

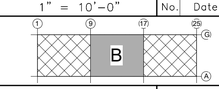
ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | |
|---|---|
| DRAWN BY: | WL |
| CHECKED BY: | AM |
| COORD. CHECK: | MC |
| FILE NAME: | L13189.026-QY-1-05.dwg |
| DATE: | 02AUG21 |
| SCALE: | 1" = 10'-0" |

| No. | Date | Description | By |
|---|---|---|---|

KEY MAP



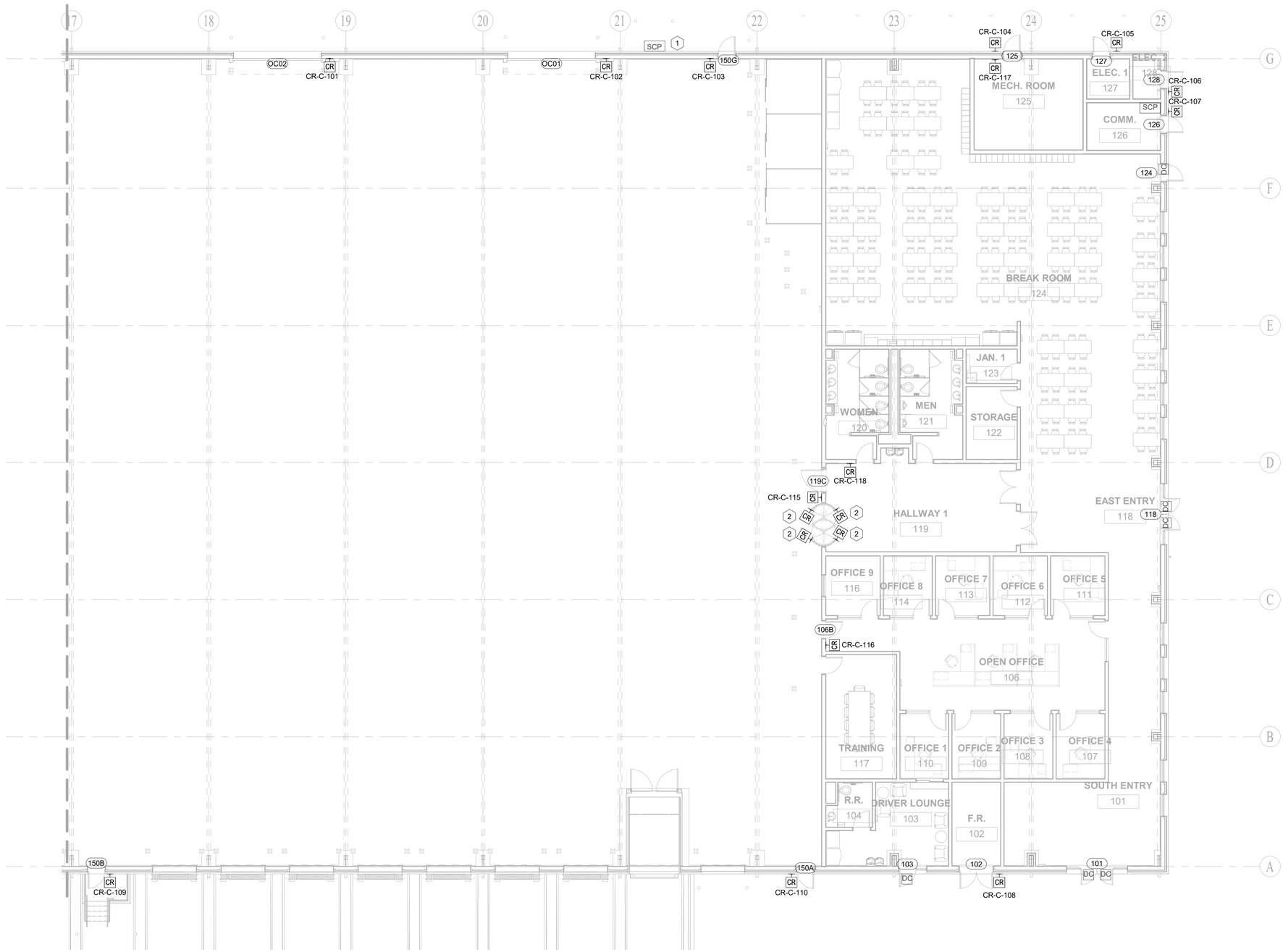

SECTOR J3

DRAWING DESCRIPTION:

## SECURITY - AREA B FLOOR PLAN

SHEET NO.

QY-1-05




1 SECURITY - FLOOR PLAN - FIRST FLOOR - AREA C
1" = 10'-0"

PLAN NORTH

0' 10' 20' 30' 40'
SCALE: 1"=10'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

GENERAL NOTES:

1. ALL ACCESS CONTROL ELEMENTS TO BE INSTALLED IN CONDUIT BACK TO NEAREST SECURITY PANEL.
2. ALL CAMERA ELEMENTS TO BE INSTALLED IN CONDUIT BACK TO THE NEAREST ACCESSIBLE CEILING.
3. ALL DEVICE WITHIN THE WAREHOUSE SPACE TO BE INSTALLED WITHIN CONDUIT.

SHEET NOTES

| | |
|---|---|
| 1 | SECURITY CONTROL PANEL WILL BE HOUSED WITHIN TELECOM CONTRACTOR PROVIDED OUTDOOR RATED ENCLOSURE AND IDF ROOM. |
| 2 | CARD READER TO BE INSTALLED ON TURNSTILE. |

ACCESS CONTROL SCHEDULE - AREA C

| ACCESS CONTROL NUMBER | DOOR NUMBER | HARDWARE SET | DEVICE DETAIL |
|---|---|---|---|
| CR-C-101 | OC02 | C001 | QY-5-03/3 |
| CR-C-102 | OC01 | C001 | QY-5-03/3 |
| CR-C-103 | 150G | X735 | QY-5-03/1 |
| CR-C-104 | 125 | C205 | QY-5-03/2 |
| CR-C-105 | 127 | C715 | QY-5-03/1 |
| CR-C-106 | 128 | C715 | QY-5-03/1 |
| CR-C-107 | 126 | C205 | QY-5-03/2 |
| CR-C-108 | 102 | C214 | QY-5-03/2 |
| CR-C-109 | 150B | C715 | QY-5-03/1 |
| CR-C-110 | 150A | C715 | QY-5-03/1 |
| CR-C-111 | TURNSTILE | N/A | QY-5-02/3 |
| CR-C-112 | TURNSTILE | N/A | QY-5-02/3 |
| CR-C-113 | TURNSTILE | N/A | QY-5-02/3 |
| CR-C-114 | TURNSTILE | N/A | QY-5-02/3 |
| CR-C-115 | 119C | C207 | QY-5-03/2 |
| CR-C-116 | 106B | C207 | QY-5-03/2 |
| CR-C-117 | 125 | C205 | QY-5-03/2 |
| CR-C-118 | 119C | C207 | QY-5-03/2 |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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

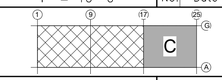
ABIA Project No:L13189.026 Permit Issue No:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | |
|---|---|
| DRAWN BY: | WL |
| CHECKED BY: | AM |
| COORD. CHECK: | MC |
| FILE NAME: | L13189.026-QY-1-06.dwg |
| DATE: | 02AUG21 |
| SCALE: | 1" = 10'-0" |

| No. | Date | Description | By |
|---|---|---|---|

KEY MAP



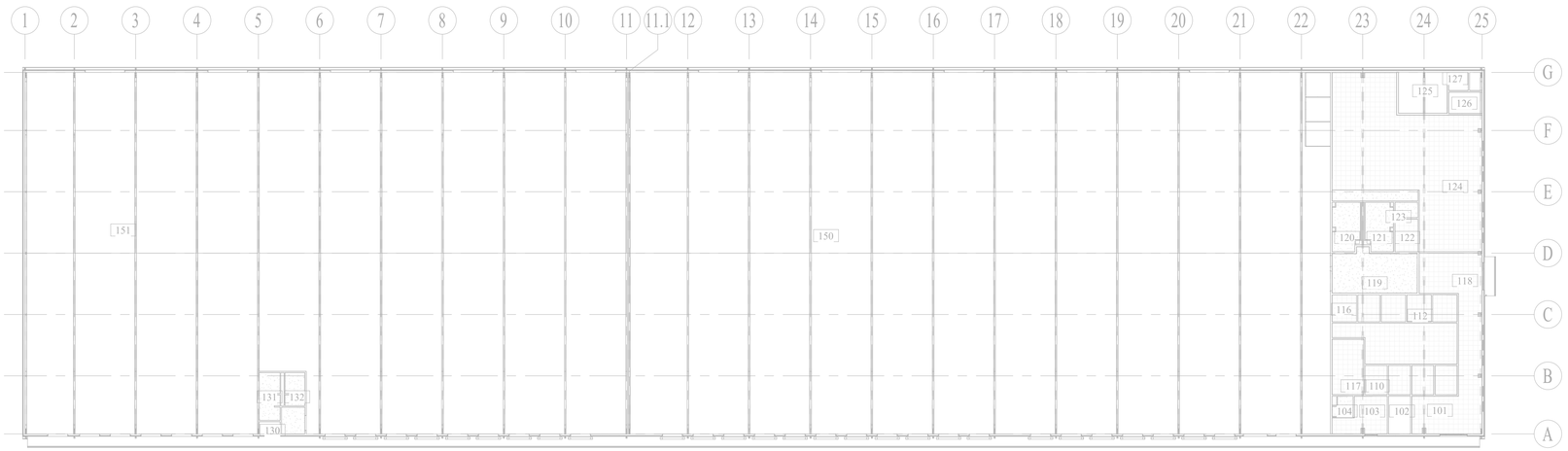

SECTOR J3

DRAWING DESCRIPTION:

## SECURITY - AREA C FLOOR PLAN

SHEET NO.

QY-1-06




1 SECURITY - REFLECTED CEILING PLAN - FIRST FLOOR - OVERALL
1" = 30'-0"

PLAN NORTH

0' 30' 60' 90' 120'

SCALE: 1"=30'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

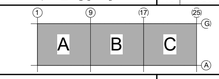
9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | WL | | | | |
| CHECKED BY: | AM | | | | |
| COORD. CHECK: | MC | | | | |
| FILE NAME: L13189.026-QY-1-07.dwg | | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | 1" = 30'-0" | No. | Date | Description | By |

KEY MAP



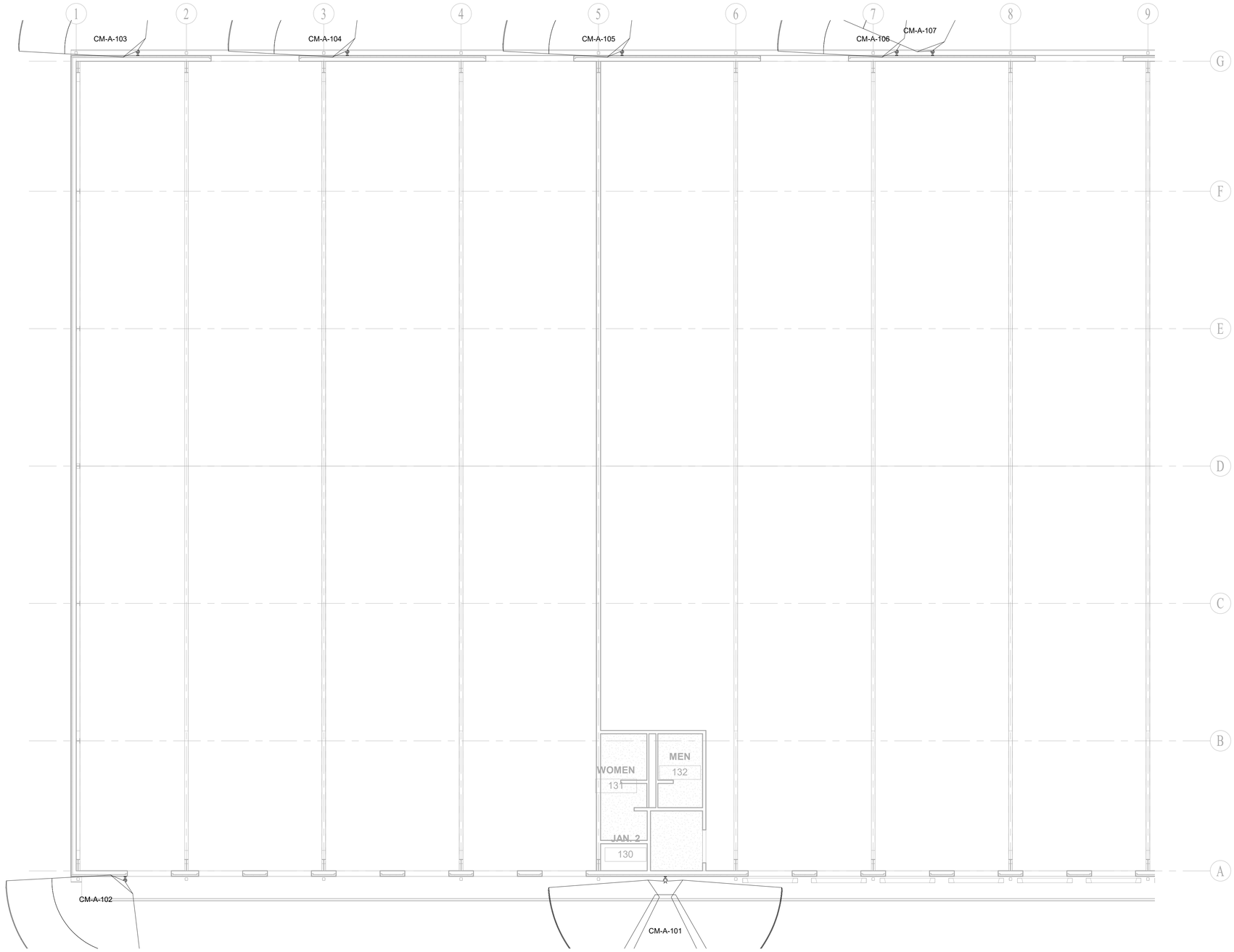

SECTOR J3

DRAWING DESCRIPTION:

## SECURITY - FIRST FLOOR REFLECTED CEILING PLAN

SHEET NO.

**QY-1-07**




1 SECURITY - REFLECTED CEILING PLAN - FIRST FLOOR - AREA A
1" = 10'-0"

PLAN NORTH

0' 10' 20' 30' 40'
SCALE: 1"=10'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

GENERAL NOTES:

1. ALL ACCESS CONTROL ELEMENTS TO BE INSTALLED IN CONDUIT BACK TO NEAREST SECURITY PANEL.
2. ALL CAMERA ELEMENTS TO BE INSTALLED IN CONDUIT BACK TO THE NEAREST ACCESSIBLE CEILING.
3. ALL DEVICE WITHIN THE WAREHOUSE SPACE TO BE INSTALLED WITHIN CONDUIT.

VIDEO SURVEILLANCE SCHEDULE - AREA A

| CAMERA ID | MOUNT TYPE | MOUNTING HEIGHT | CAMERA DETAIL | CAMERA TYPE |
|---|---|---|---|---|
| CM-A-101 | OUTDOOR WALL | 9' 6" | QY-S-01/4 | Q3708-PVE |
| CM-A-102 | OUTDOOR WALL | 9' 6" | QY-S-01/4 | Q3515-LVE |
| CM-A-103 | OUTDOOR WALL | 9' 6" | QY-S-01/4 | Q3515-LVE |
| CM-A-104 | OUTDOOR WALL | 9' 6" | QY-S-01/4 | Q3515-LVE |
| CM-A-105 | OUTDOOR WALL | 9' 6" | QY-S-01/4 | Q3515-LVE |
| CM-A-106 | OUTDOOR WALL | 9' 6" | QY-S-01/4 | Q3515-LVE |
| CM-A-107 | OUTDOOR WALL | 9' 6" | QY-S-01/4 | Q3515-LVE |

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# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | |
|---|---|
| DRAWN BY: | WL |
| CHECKED BY: | AM |
| COORD. CHECK: | MC |
| FILE NAME: | L13189.026-QY-1-08.dwg |
| DATE: | 02AUG21 |
| SCALE: | 1" = 10'-0" |

| No. | Date | Description | By |
|---|---|---|---|

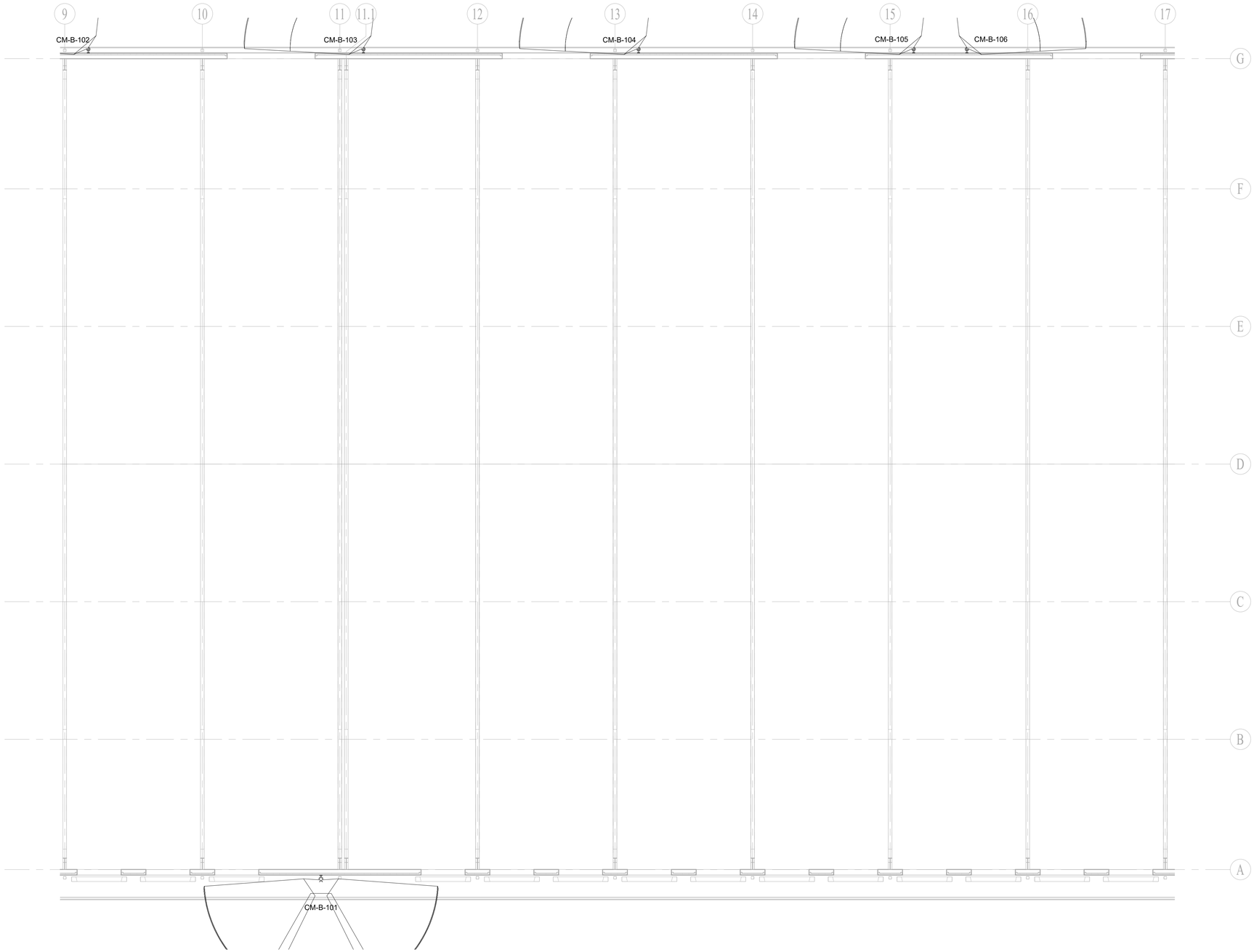
KEY MAP — A — SECTOR J3

DRAWING DESCRIPTION:

## SECURITY - AREA A REFLECTED CEILING PLAN

SHEET NO.

QY-1-08




1 SECURITY - REFLECTED CEILING PLAN - FIRST FLOOR - AREA B
1" = 10'-0"

PLAN NORTH

0' 10' 20' 30' 40'

SCALE: 1"=10'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

GENERAL NOTES:

1. ALL ACCESS CONTROL ELEMENTS TO BE INSTALLED IN CONDUIT BACK TO NEAREST SECURITY PANEL.
2. ALL CAMERA ELEMENTS TO BE INSTALLED IN CONDUIT BACK TO THE NEAREST ACCESSIBLE CEILING.
3. ALL DEVICE WITHIN THE WAREHOUSE SPACE TO BE INSTALLED WITHIN CONDUIT.

VIDEO SURVEILLANCE SCHEDULE - AREA B

| CAMERA ID | MOUNT TYPE | MOUNTING HEIGHT | CAMERA DETAIL | CAMERA TYPE |
|---|---|---|---|---|
| CM-B-101 | OUTDOOR WALL | 9' 6" | QY-5-01/4 | Q3708-PVE |
| CM-B-102 | OUTDOOR WALL | 9' 6" | QY-5-01/4 | Q3515-LVE |
| CM-B-103 | OUTDOOR WALL | 9' 6" | QY-5-01/4 | Q3515-LVE |
| CM-B-104 | OUTDOOR WALL | 9' 6" | QY-5-01/4 | Q3515-LVE |
| CM-B-105 | OUTDOOR WALL | 9' 6" | QY-5-01/4 | Q3515-LVE |
| CM-B-106 | OUTDOOR WALL | 9' 6" | QY-5-01/4 | Q3515-LVE |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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | |
|---|---|
| DRAWN BY: | WL |
| CHECKED BY: | AM |
| COORD. CHECK: | MC |
| FILE NAME: | L13189.026-QY-1-09.dwg |
| DATE: | 02AUG21 |
| SCALE: | 1" = 10'-0" |

| No. | Date | Description | By |
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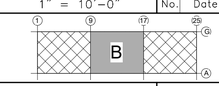
KEY MAP



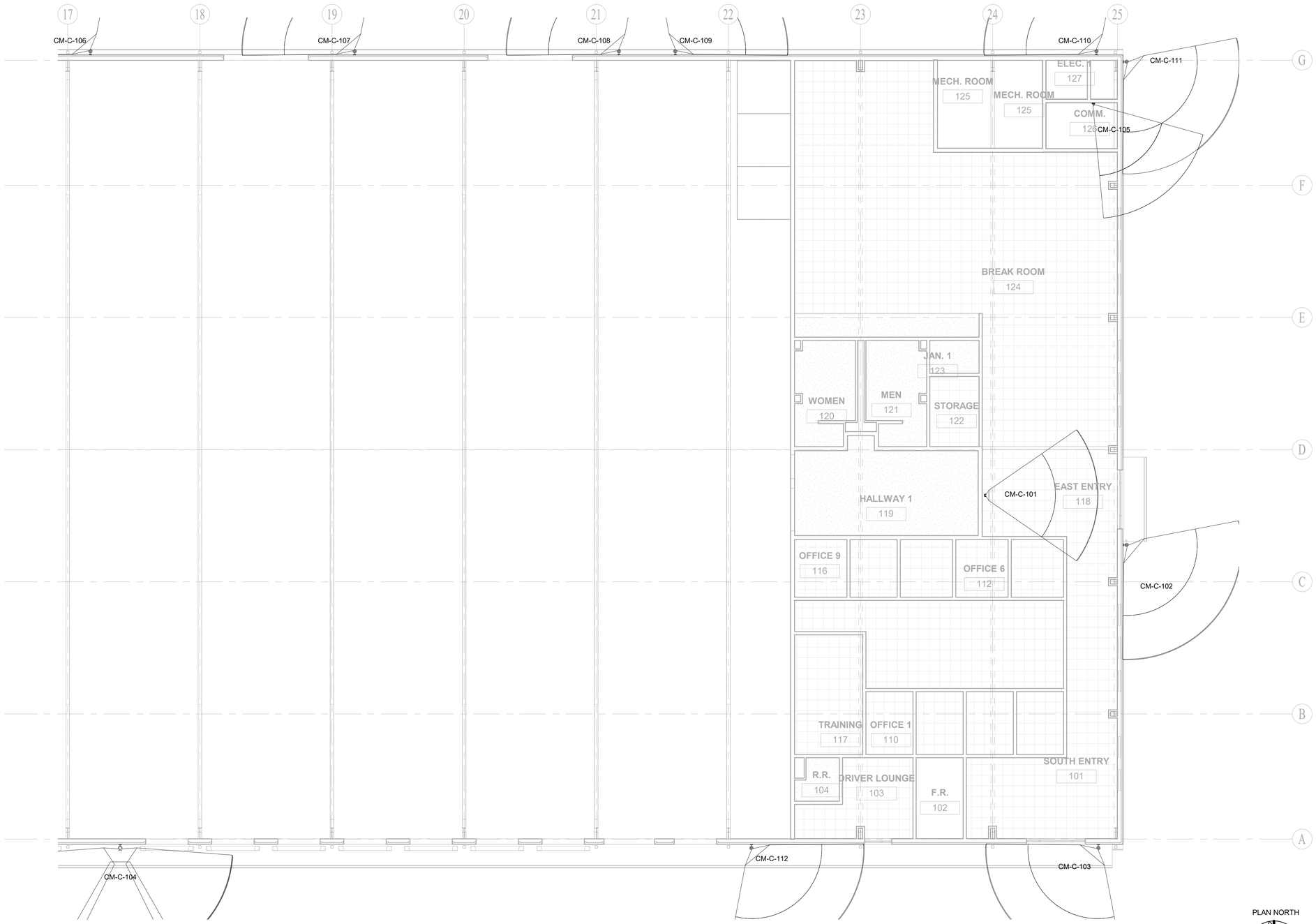

SECTOR J3

DRAWING DESCRIPTION:

## SECURITY - AREA B REFLECTED CEILING PLAN

SHEET NO.

QY-1-09




1 SECURITY - REFLECTED CEILING PLAN - FIRST FLOOR - AREA C
1" = 10'-0"

PLAN NORTH

0' 10' 20' 30' 40'

SCALE: 1"=10'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

GENERAL NOTES:

1. ALL ACCESS CONTROL ELEMENTS TO BE INSTALLED IN CONDUIT BACK TO NEAREST SECURITY PANEL.
2. ALL CAMERA ELEMENTS TO BE INSTALLED IN CONDUIT BACK TO THE NEAREST ACCESSIBLE CEILING.
3. ALL DEVICE WITHIN THE WAREHOUSE SPACE TO BE INSTALLED WITHIN CONDUIT.

VIDEO SURVEILLANCE SCHEDULE - AREA C

| CAMERA ID | MOUNT TYPE | MOUNTING HEIGHT | CAMERA DETAIL | CAMERA TYPE |
|---|---|---|---|---|
| CM-C-101 | INDOOR CEILING | 9' 0" | QY-5-01/1 | Q3515-LV |
| CM-C-102 | OUTDOOR WALL | 9' 6" | QY-5-01/4 | Q3515-LVE |
| CM-C-103 | OUTDOOR WALL | 9' 6" | QY-5-01/4 | Q3515-LVE |
| CM-C-104 | OUTDOOR WALL | 9' 6" | QY-5-01/4 | Q3708-PVE |
| CM-C-105 | INDOOR WALL | 7' 0" | QY-5-01/2 | Q3515-LV |
| CM-C-106 | OUTDOOR WALL | 9' 6" | QY-5-01/4 | Q3515-LVE |
| CM-C-107 | OUTDOOR WALL | 9' 6" | QY-5-01/4 | Q3515-LVE |
| CM-C-108 | OUTDOOR WALL | 9' 6" | QY-5-01/4 | Q3515-LVE |
| CM-C-109 | OUTDOOR WALL | 9' 6" | QY-5-01/4 | Q3515-LVE |
| CM-C-110 | OUTDOOR WALL | 9' 6" | QY-5-01/4 | Q3515-LVE |
| CM-C-111 | OUTDOOR WALL | 9' 6" | QY-5-01/4 | Q3515-LVE |
| CM-C-112 | OUTDOOR WALL | 9' 6" | QY-5-01/4 | Q3515-LVE |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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

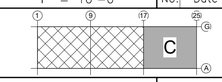
ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | |
|---|---|
| DRAWN BY: | WL |
| CHECKED BY: | AM |
| COORD. CHECK: | MC |
| FILE NAME: | L13189.026-QY-1-10.dwg |
| DATE: | 02AUG21 |
| SCALE: | 1" = 10'-0" |

| No. | Date | Description | By |
|---|---|---|---|

KEY MAP



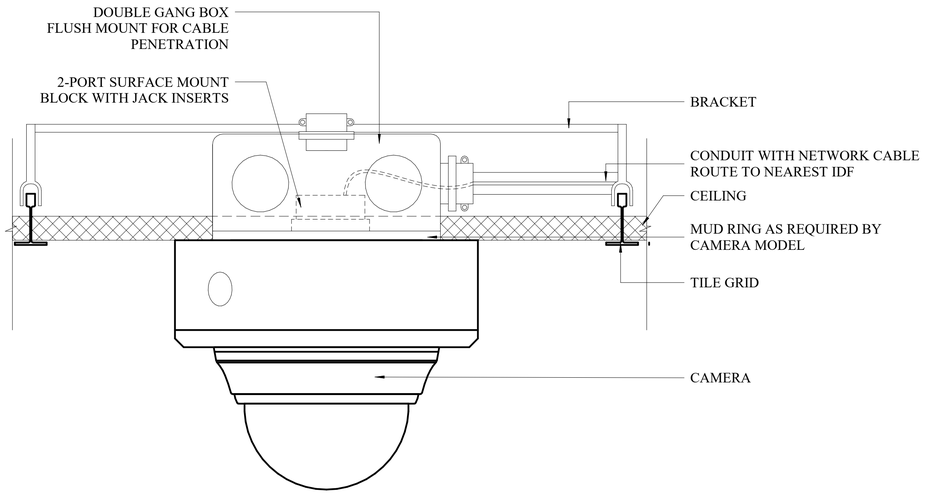

SECTOR J3

DRAWING DESCRIPTION:

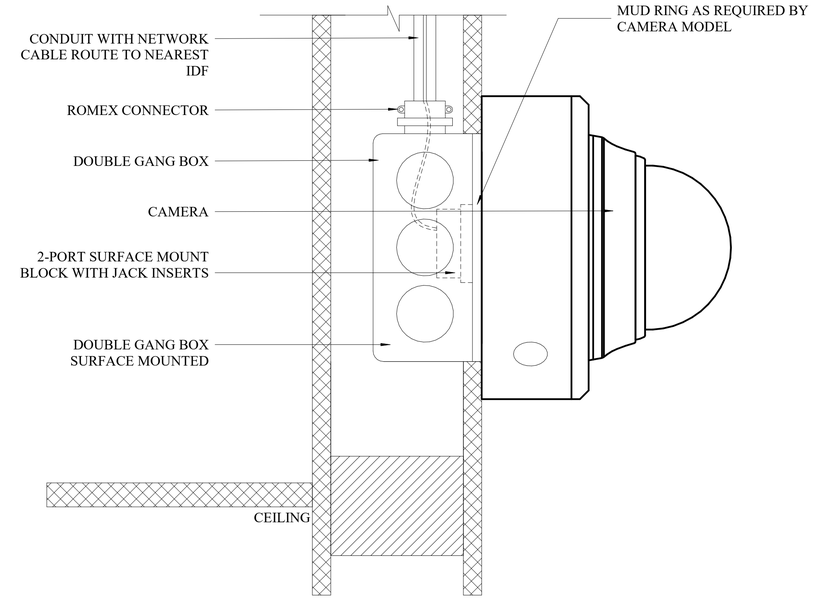
## SECURITY - AREA C REFLECTED CEILING PLAN

SHEET NO.

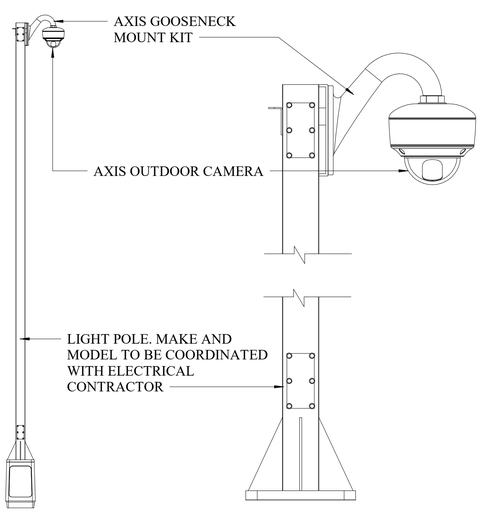
QY-1-10



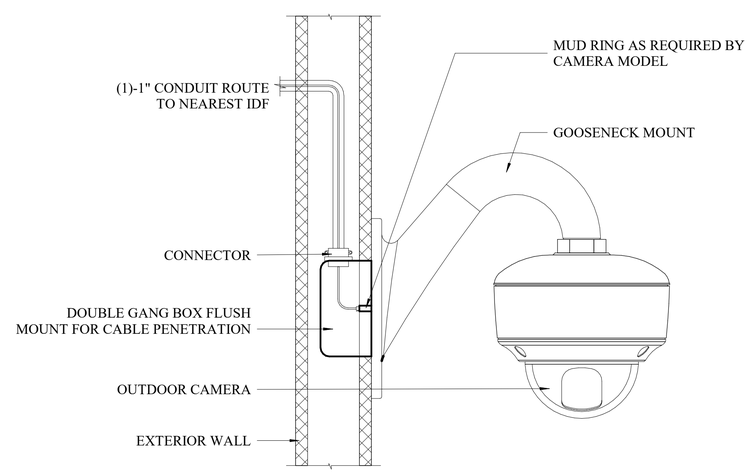

1 CAMERA DETAIL - CEILING MOUNT
N.T.S.




2 CAMERA DETAIL - WALL MOUNT
N.T.S.




3 SECURITY CAMERA DETAIL - TYPICAL POLE MOUNTED OUTDOOR CAMERA
N.T.S.




4 CAMERA DETAIL - WALL MOUNT (OUTDOOR)
N.T.S.

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom
International Airport

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | WL | | | | |
| CHECKED BY: | AM | | | | |
| COORD. CHECK: | MC | | | | |
| FILE NAME: L13189.026-QY-5-01.dwg | | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | As indicated | No. | Date | Description | By |

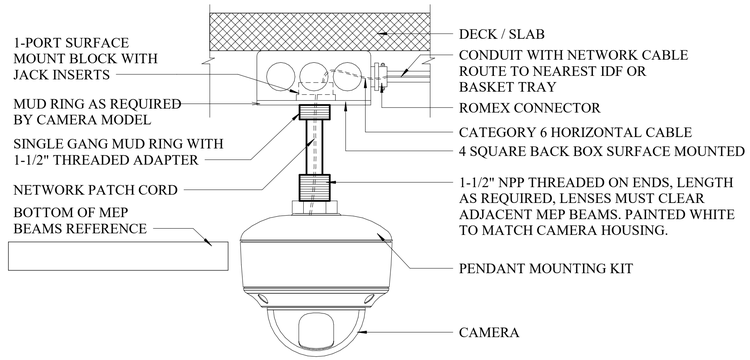
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

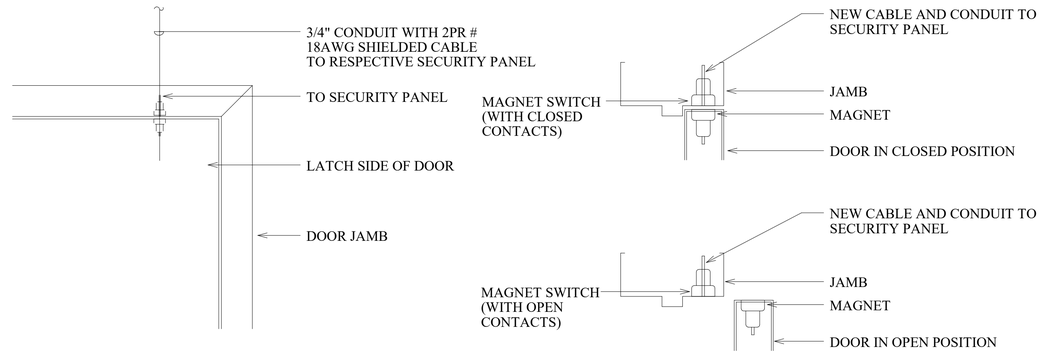
**SECURITY DETAILS**

SHEET NO.

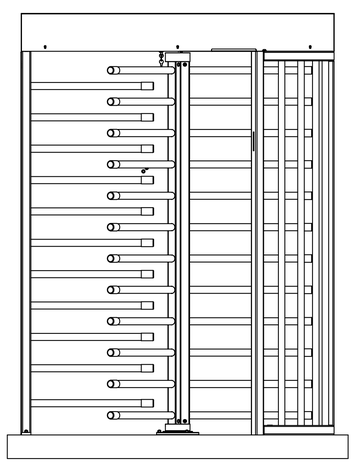
**QY-5-01**

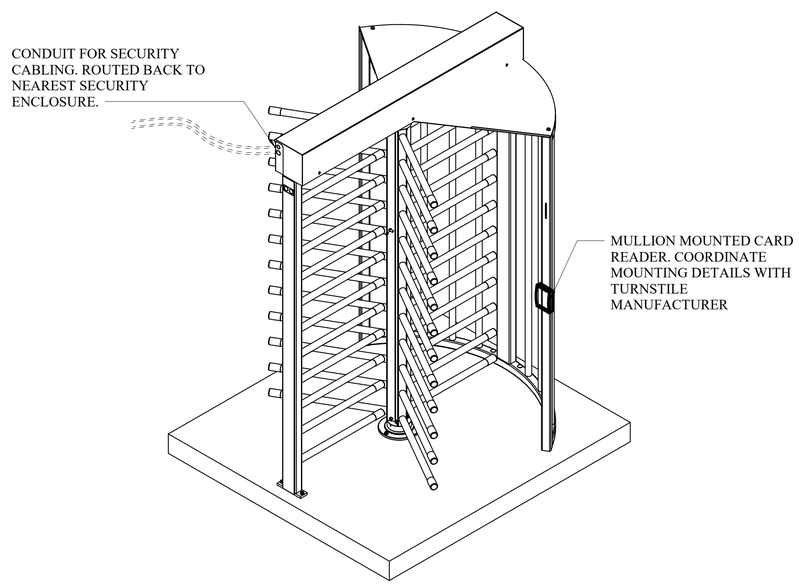


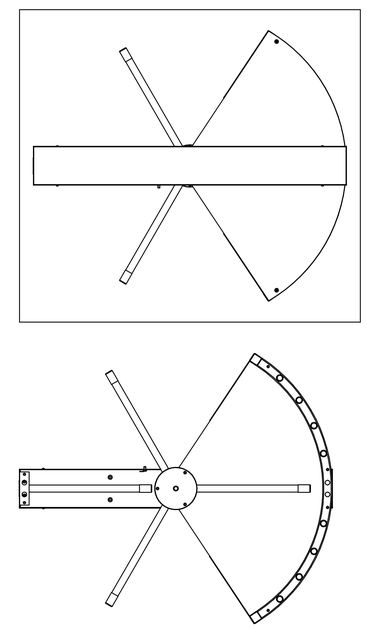

1 PENDANT MOUNT FIXED DOME CAMERA
N.T.S.




2 DOOR CONTACT DETAILS
N.T.S.





3 SECURITY TURNSTILE DETAIL
N.T.S.

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# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | WL | | | | |
| CHECKED BY: | AM | | | | |
| COORD. CHECK: | MC | | | | |
| FILE NAME: L13189.026-QY-5-02.dwg | | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | As indicated | No. | Date | Description | By |

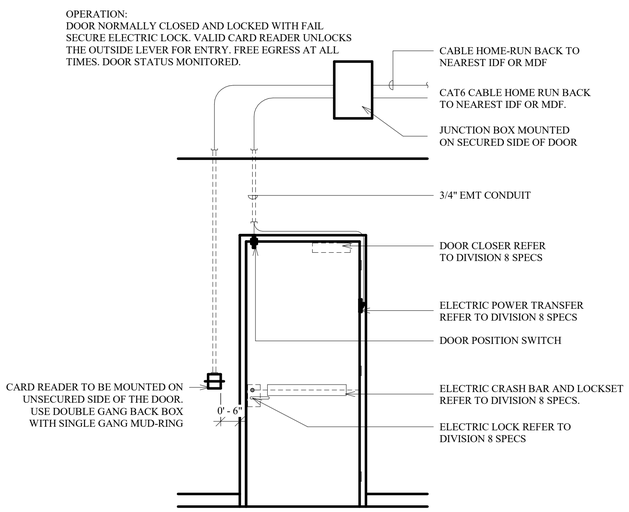
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

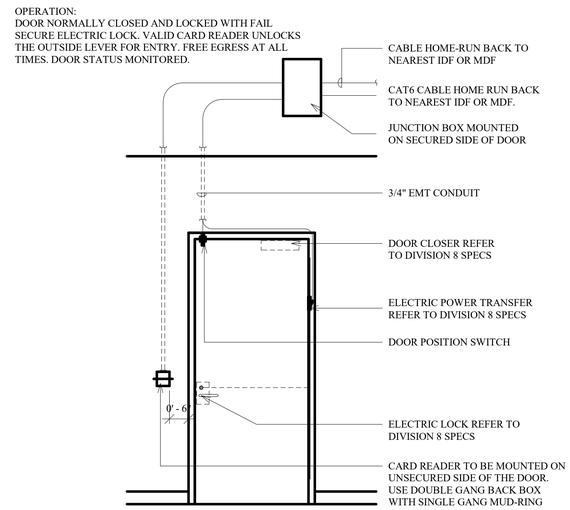
**SECURITY DETAILS**

SHEET NO.

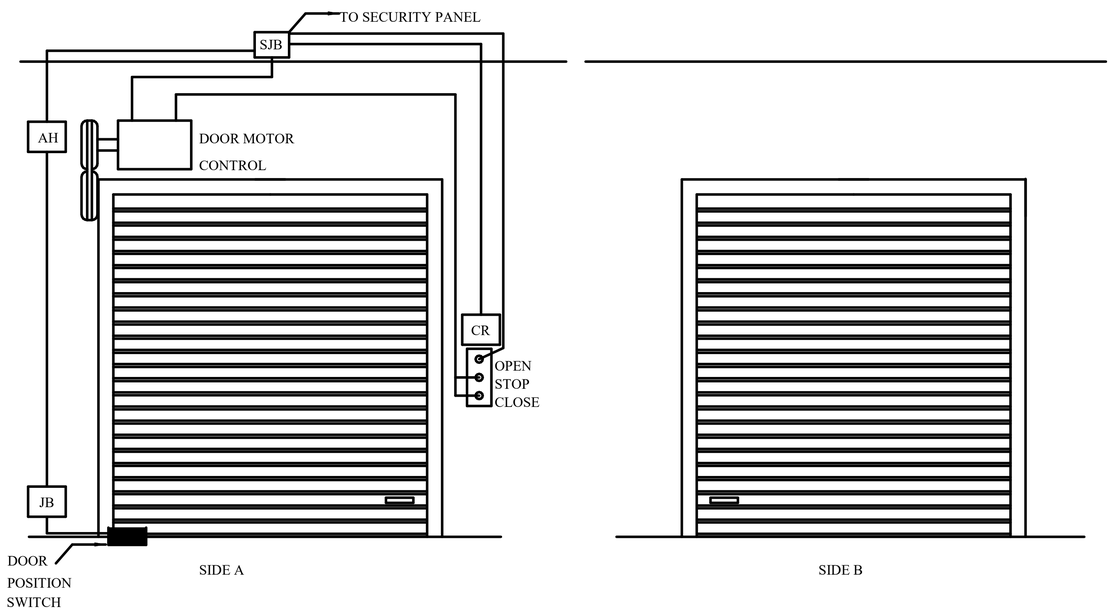
**QY-5-02**




1 SINGLE DOOR WITH CARD READER (HARDWARE SET C715 AND X735)
N.T.S.

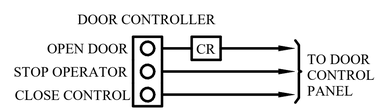



2 SINGLE DOOR WITH CARD READER (HARDWARE SET C205, C207 AND C214)
N.T.S




NOTE:

FIELD COORDINATE EXACT LOCATION OF READER AND CONTROL SYSTEM




3 CONTROLED ACCESS ROLL-UP DOOR (HARDWARE SET C001)
N.T.S.

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | WL | | | | |
| CHECKED BY: | AM | | | | |
| COORD. CHECK: | MC | | | | |
| FILE NAME: L13189.026-QY-5-03.dwg | | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | N.T.S. | No. | Date | Description | By |

KEY MAP

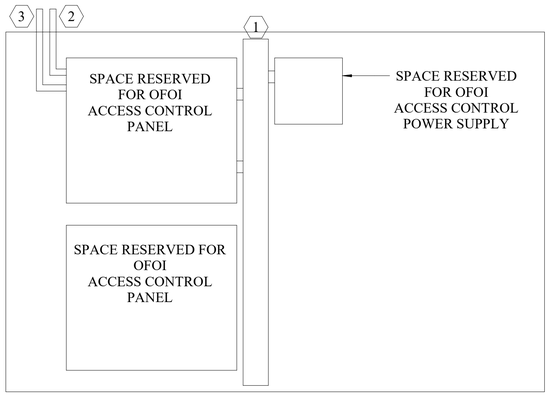
SECTOR J3

DRAWING DESCRIPTION:

**SECURITY DETAILS**

SHEET NO.

**QY-5-03**




| KEYED NOTE: | |
|---|---|
| 1 | 4"x4"x4" METAL RACEWAY |
| 2 | 120V/20AMP DEDICATED CIRCUIT HARDWIRED INTO SECURITY PANEL. COORDINATE WITH ELECTRICAL DRAWINGS. |
| 3 | FIRE ALARM RELAY. PROVIDED BY FIRE ALARM CONTRACTOR. SHOWN FOR REFERENCE ONLY. |

1 SECURITY PANEL DETAILS
N.T.S.

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | WL | | | | |
| CHECKED BY: | AM | | | | |
| COORD. CHECK: | MC | | | | |
| FILE NAME: L13189.026-QY-5-04.dwg | | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | N.T.S. | No. | Date | Description | By |

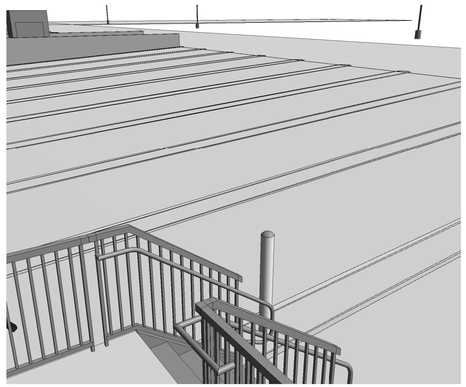
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

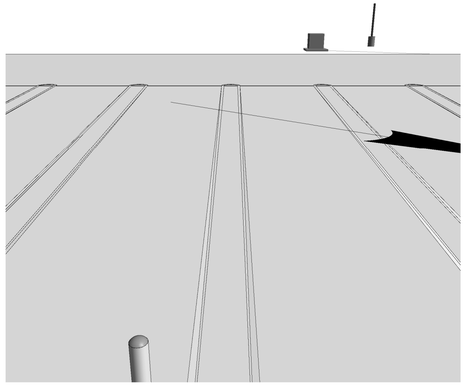
**SECURITY DETAILS**

SHEET NO.

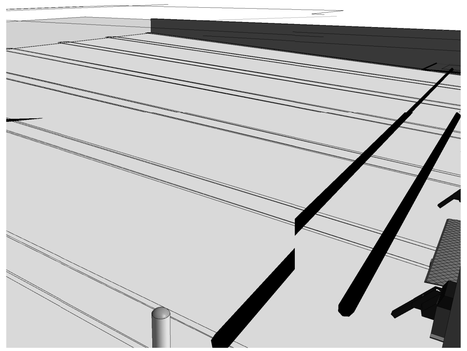
**QY-5-04**



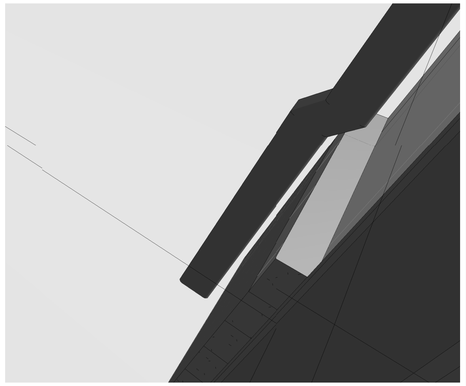
1 CM-A-101-a



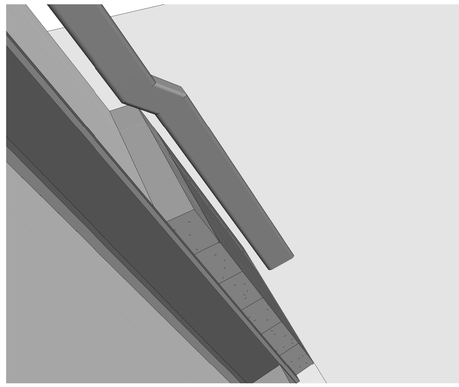
2 CM-A-101-b



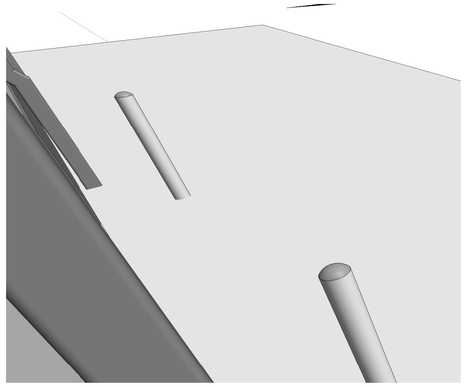
3 CM-A-101-c



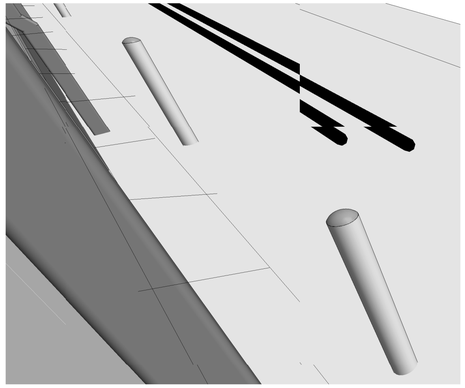
4 CM-A-102



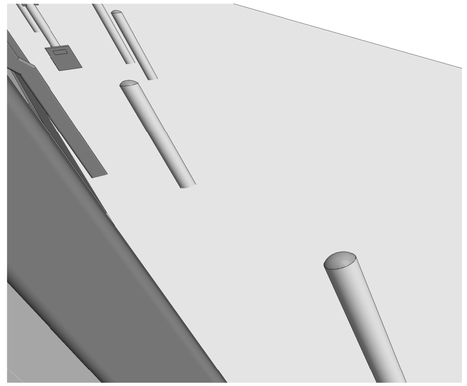
5 CM-A-103



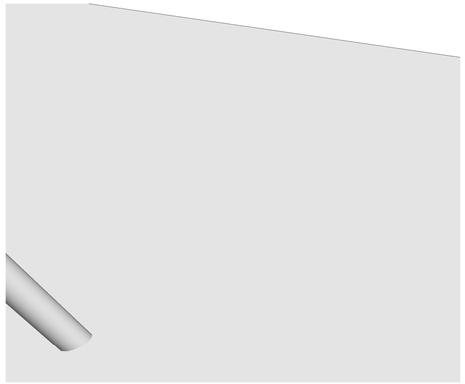
6 CM-A-104



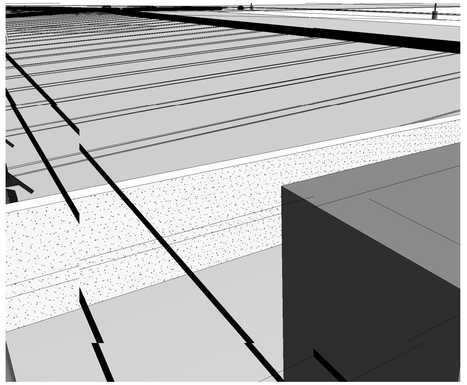
7 CM-A-105



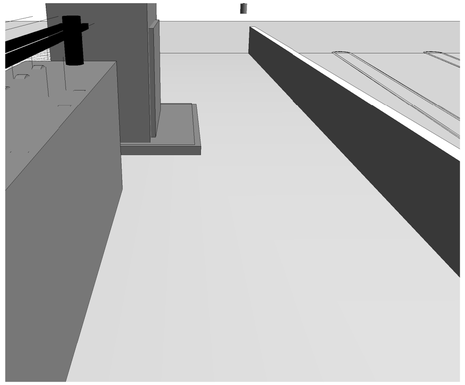
8 CM-A-106



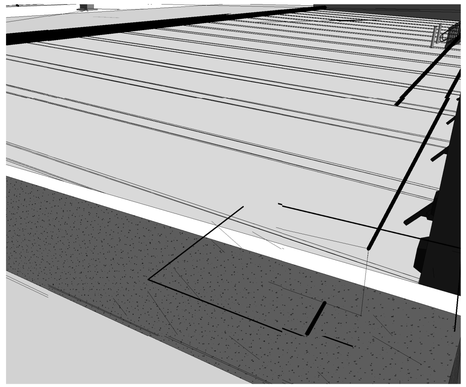
9 CM-A-107



10 CM-B-101-a



11 CM-B-101-b



12 CM-B-101-c

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | WL | | | | |
| CHECKED BY: | AM | | | | |
| COORD. CHECK: | MC | | | | |
| FILE NAME: L13189.026-QY-5-05.dwg | | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | | No. | Date | Description | By |

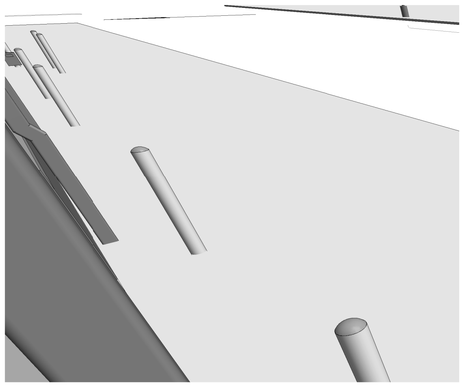
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

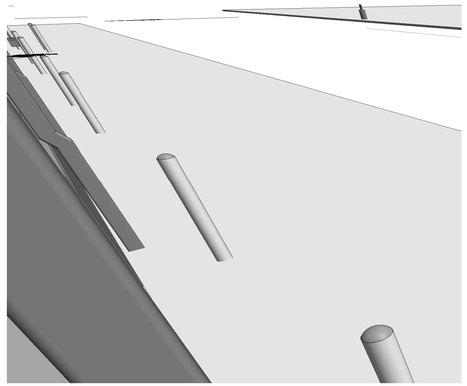
**CAMERA VIEWS**

SHEET NO.

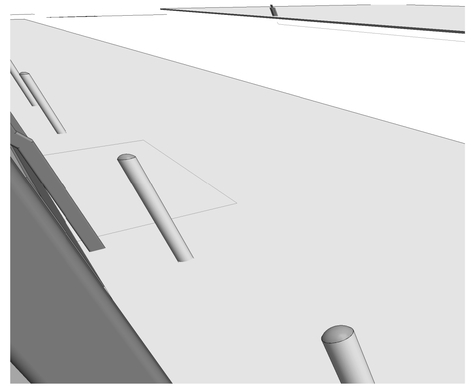
**QY-5-05**



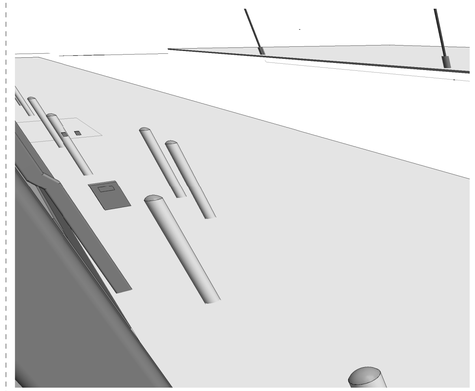
1 CM-B-102



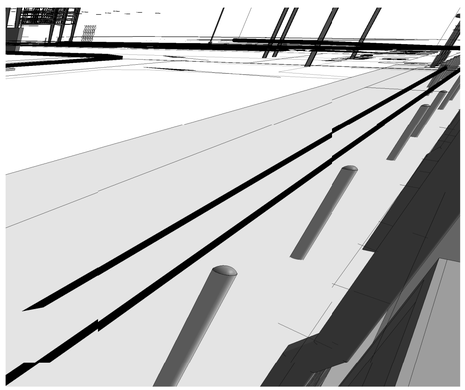
2 CM-B-103



3 CM-B-104



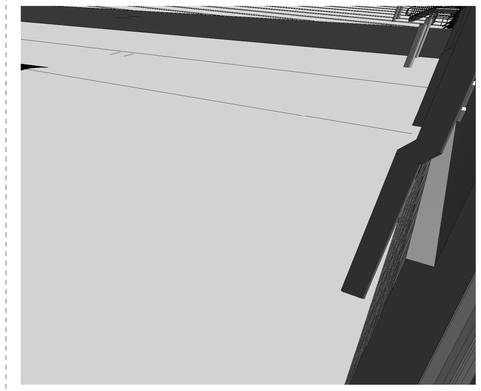
4 CM-B-105



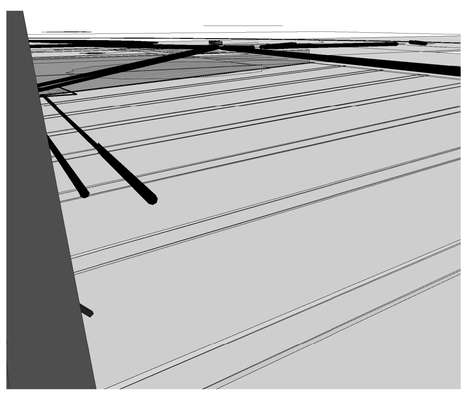
5 CM-B-106

6 CM-C-101

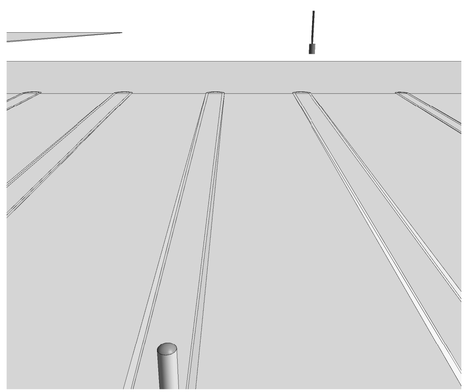
7 CM-C-102



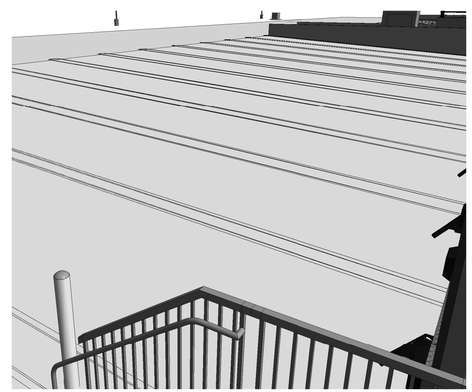
8 CM-C-103



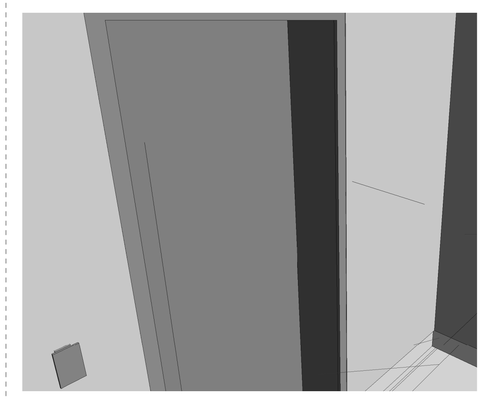
9 CM-C-104-a



10 CM-C-104-b



11 CM-C-104-c



12 CM-C-105

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

**9402 FREIGHT LN. AUSTIN, TX. 78719**

ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | |
|---|---|---|---|---|
| DRAWN BY: | WL | | | |
| CHECKED BY: | AM | | | |
| COORD. CHECK: | MC | | | |
| FILE NAME:L13189.026-QY-5-06.dwg | | | | |
| DATE: | 02AUG21 | | | |
| SCALE: | | No. | Date | Description | By |

KEY MAP

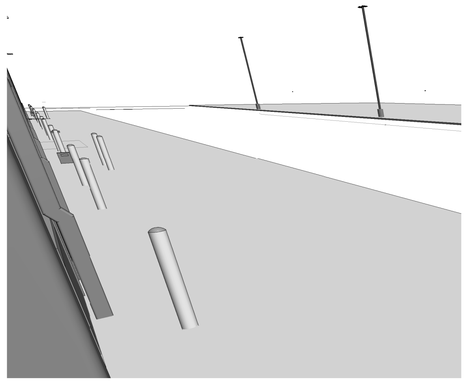
SECTOR J3

DRAWING DESCRIPTION:

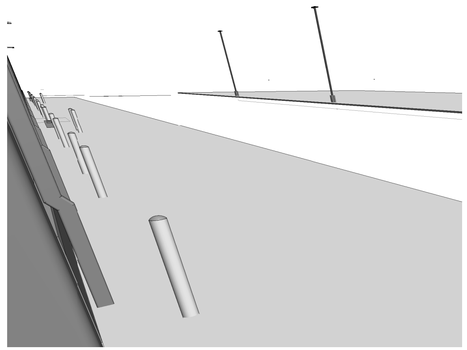
**CAMERA VIEWS**

SHEET NO.

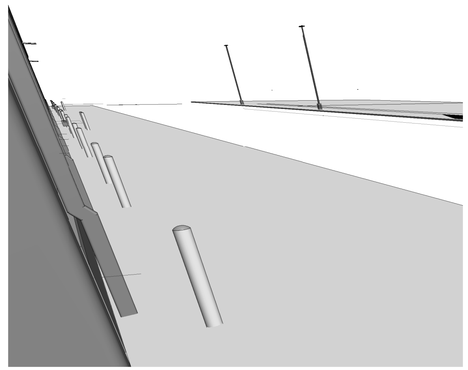
**QY-5-06**



1 CM-C-106



2 CM-C-107



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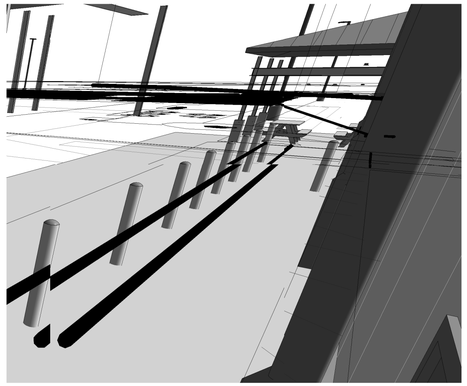

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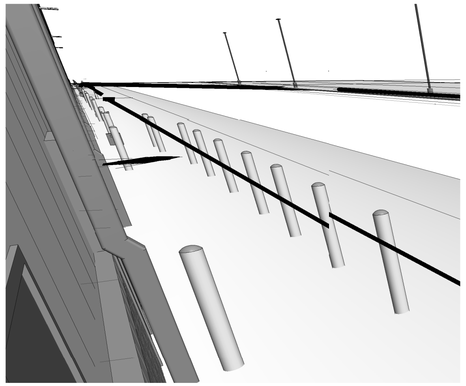

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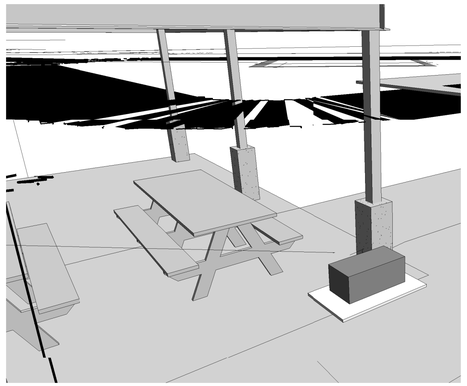

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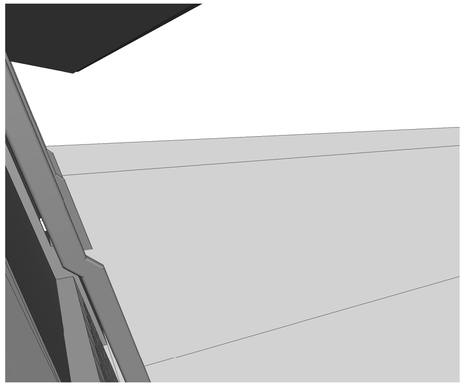

7 CM-C-112

PLAN NORTH

0' 3" 6" 9" 12"

SCALE: 3"=1'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.


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Mark Basford
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EXPIRES 12-31-2021
RCDD


AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| DRAWN BY: | WL |
| CHECKED BY: | AM |
| COORD. CHECK: | MC |
| FILE NAME: | L13189.026-QY-5-07.dwg |
| DATE: | 02AUG21 |
| SCALE: | |

| No. | Date | Description | By |
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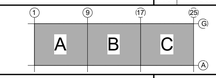
KEY MAP




SECTOR J3

DRAWING DESCRIPTION:

## CAMERA VIEWS

SHEET NO.

QY-5-07

# GENERAL NOTES:

1. THE GENERAL CONDITIONS, SUPPLEMENTARY GENERAL CONDITIONS AND OTHER REQUIREMENTS OF DIVISION 1. THE ELECTRICAL, AUDIO VISUAL, AND SECURITY PLANS AND SPECIFICATIONS, MAY APPLY TO THE WORK SPECIFIED.
2. COMMUNICATION CABLING INTEGRATOR HERE AFTER REFERRED TO, AS "CONTRACTOR" SHALL PROVIDE ALL MATERIALS, COMPONENTS, TOOLS, AND LABOR TO COMPLETE A TELECOMMUNICATIONS INFRASTRUCTURE AS SET FORTH IN THE STRUCTURED CABLING SYSTEM DOCUMENTS, CONTRACTS AND DRAWINGS. REF. SPECIFICATIONS, T DRAWINGS AND E DRAWINGS.
3. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE SITE TO DETERMINE THE EXTENT OF WORK AND CONDITION UNDER WHICH IT WILL BE DONE. REVIEW AND VERIFY CONTRACT DOCUMENTS IN RELATION TO FIELD CONDITIONS TO VERIFY ACCURACY, CONFIRM WITH OWNER, OR THEIR DESIGNATED REPRESENTATIVE, THAT THE WORK HAS BEEN COMPLETED PRIOR TO PROCEEDING WITH INSTALLATION.
4. DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS MUST BE BROUGHT TO THE IMMEDIATE ATTENTION OF OWNER, OR THEIR DESIGNATED REPRESENTATIVE, FOR CLARIFICATION.
5. ELECTRICAL CONTRACTOR SHALL READ IN THEIR ENTIRETY ALL SECTIONS OF THE COMMUNICATIONS CABLING SYSTEM DOCUMENTS AND APPLY THEM AS APPROPRIATE FOR WORK IN THIS SECTION. REF SPECIFICATIONS AND T DRAWINGS.
6. ELECTRICAL CONTRACTOR SHALL PROVIDE MATERIALS, COMPONENTS, TOOLS, AND LABOR TO COMPLETE COMMUNICATIONS CABLING PATHWAY, ELECTRICAL POWER DISTRIBUTION AND GROUNDING SYSTEM AS SET FORTH IN THE COMMUNICATIONS CABLING SYSTEM DOCUMENTS AND THE ELECTRICAL DOCUMENTS, SPECIFICATIONS AND DRAWINGS.
7. CONTRACTOR SHALL NOTE AND REPORT TO GC COMMUNICATION SYSTEM WORK PERFORMED OR NOT PERFORMED BY ELECTRICAL CONTRACTOR WHICH DOES NOT COMPLY WITH COMMUNICATIONS SPECIFICATIONS AND DRAWINGS AND ARE INTENDED FOR THE COMMUNICATION SYSTEMS COMPONENTS.
8. CONTRACTOR SHALL TAKE NECESSARY MEANS TO ENSURE COMMUNICATION SYSTEM COMPONENTS ARE PROTECTED FROM MECHANICAL DAMAGE BEFORE, DURING AND AFTER CONSTRUCTION.
9. CONTRACTOR IS REQUIRED TO REFERENCE DIVISION 27 SPECIFICATIONS FOR ITEMIZED PRICING REQUIREMENTS.
10. ALL COMPONENTS AND DEVICES SHOWN ON THESE DRAWINGS REPRESENT APPROXIMATE LOCATION AND POSITIONING ONLY. VERIFY EXACT LOCATIONS WITH THE OWNER OR G.C. PRIOR TO INSTALLATION.
11. CONTRACTOR SHALL ADHERE TO ALL TELECOMMUNICATIONS CABLING SET FORTH IN THE ANSI-TIA 568-C STANDARDS.

# GROUNDING AND BONDING:

1. METAL RACKS, FRAMES, CABINETS AND MISCELLANEOUS EQUIPMENT ENCLOSURES SHALL BE BONDED TOGETHER USING GREEN INSULATED COPPER WIRE SO THAT ALL EQUIPMENT, STRUCTURED CABLING RACKS ARE AT THE SAME GROUND POTENTIAL. A VOLT-O-METER (VOM) MEASUREMENT BETWEEN ANY TWO POINTS ON METAL RACKS AND EQUIPMENT ENCLOSURES IN THE TELECOMMUNICATIONS ROOMS SHALL BE LESS THAN 1.25 VOLTS DC OR AC POTENTIAL.
2. ALL GROUNDS USED SHALL BE BONDED TOGETHER TO FORM A SINGLE GROUNDING ELECTRODE SYSTEM AS REQUIRED IN ARTICLE 250 OF NFPA 70-NATIONAL ELECTRICAL CODE.
3. SURFACES SHALL BE PREPARED TO PROVIDE A PROPER PATH TO GROUND. ANY SURFACE TO BE GROUNDED MUST BE FREE OF PAINT OR OTHER COATING THAT MIGHT PREVENT AN EFFECTIVE GROUND. PAINT SHOULD BE SCRAPED AWAY UNTIL METALLIC SURFACE HAS BEEN EXPOSED BEFORE THE ATTACHMENT OF GROUNDING OR BONDING WIRE.
4. CONTRACTOR TO INSTALL MANUFACTURER PROVIDED STAR WASHERS PER PANEL INSTALLED IN ORDER FOR PANELS TO BE BONDED TO RACK. ONLY ONE (1) STAR WASHER IS REQUIRED PER PANEL.
5. CONTRACTOR TO PROVIDE CPI "L" BRACKETS 18" APART ON CABLE RUNWAY IN MDF/IDF'S. "L" BRACKETS TO HANG BENEATH CABLE RUNWAY AND SUPPORT GROUNDING WIRE AROUND TRAY TO RACKS AND WALL FIELDS. ATTACH GROUND WIRE TO "L" BRACKETS WITH VELCRO.
6. NO GROUND WIRE SHALL BE ROUTED IN CABLE RUNWAY WITH HORIZONTAL CABLING OR ATTACHED TO THE OUTSIDE OF THE RACEWAY. "L" BRACKETS ARE REQUIRED.
7. CONTRACTOR TO VERIFY EXISTING GROUNDING SYSTEM IN TELECOM ROOMS AND ADHERE TO ALL GROUNDING AND BONDING REQUIREMENTS SET FOURTH IN THE ANSI-J-STD-607-B COMMERCIAL GROUNDING AND BONDING STANDARDS.

# COMMUNICATIONS ROOMS:

1. PRIOR TO THE BUILD-OUT OF THE TELECOMMUNICATION ROOMS THE CONTRACTOR SHALL SCHEDULE A MEETING WITH THE TELECOMMUNICATIONS DEPARTMENT TO VERIFY EXACT EQUIPMENT PLACEMENT AND CABLE ROUTING DETAILS.
2. CONTRACTOR SHALL PROVIDE IDENTIFICATION/LABELING SCHEME ON ALL PASSIVE OSP AND RISER PANELS, CABLING AND EQUIPMENT RACKS IN ACCORDANANCE WITH DEPARTMENT OF AVIATION.
3. TELECOM ROOM LAYOUTS AND EQUIPMENT ARE SHOWN FOR COORDINATION AND INFORMATIONAL PURPOSES ONLY.
4. 8'H X 4'W X ¾' T GRADE ACX PAINTED PLYWOOD SHALL BE PLACED ON DESIGNATED WALLS OF THE TELECOM ROOMS. PLYWOOD SHALL BE PAINTED TWO COATS OF FIRE RETARDANT WHITE PAINT.
5. GRAPHIC REPRESENTATION OF PATCH PANELS DO NOT REPRESENT EXACT QUANTITIES. CONTRACTOR SHALL PROVIDE SUFFICIENT QUANTITIES FOR ALL CABLING, PLUS 20%.
6. FURNISH AND INSTALL VELCRO CABLE SUPPORT, CABLE MANAGEMENT AND ASSOCIATED HARDWARE WITHIN TELECOMMUNICATIONS ROOMS.
7. CONTRACTOR TO PROVIDE AUTOCAD FLOOR PLAN AS-BUILT ON "D" SIZE PAPER, LAMINATED WITH PLASTIC AND MOUNTED BEHIND CUT PLEXI-GLASS ON THE WALL IN EACH TELECOM ROOM. REFERENCE TELECOM ROOM ELEVATIONS FOR AS-BUILT PLACEMENT.

# TELECOM PATHWAY:

1. ELECTRICAL CONTRACTOR SHALL ADHERE TO COMMERCIAL BUILDING STANDARD FOR TELECOMMUNICATIONS PATHWAYS SET FORTH IN ANSI-TIA 569-C STANDARD.
2. INTER-BUILDING FIBER OPTIC CABLE SHALL BE ARMORED FIBER UNLESS OTHERWISE SPECIFIED.
3. CONTRACTOR SHALL VERIFY CABLE TRAY PATHWAY ROUTING PRIOR TO INSTALLATION OF HORIZONTAL CABLES TO ENSURE CABLE PATHWAY DOES NOT CAUSE CABLE LENGTHS TO EXCEED MAXIMUM DISTANCE.
4. OUTLET FACEPLATES MUST BE LABELED WITH THE JACK NUMBERS OR PATCH PANEL PORTS PER ABIA STANDARDS.
5. BACK BOXES INSTALLED FOR COMMUNICATIONS DATA AND VOICE WIRING TERMINATION SHALL BE 4"X4"X3 1/4"DEEP BOXES (BY ELECTRICAL CONTRACTOR) TO ALLOW FOR THE REQUIRED WORKING CLEARANCE OF CAT6 CABLE. THESE BOXES SHALL BE SEPARATE FROM ANY ELECTRICAL JUNCTION BOXES AND BE EXCLUSIVELY FOR DATA AND VOICE COMMUNICATIONS.
6. MUD RINGS SHALL BE INSTALLED ON ALL COMMUNICATIONS WALL BOXES. (ELECTRICAL CONTRACTOR)
7. CONDUITS TO COMMUNICATION WALL BOXES SHALL BE A MINIMUM OF ONE IN.(1") IN DIAMETER AND SHALL BE COMPLETE WITH NYLON PULL STRING (BY ELECTRICAL CONTRACTOR). OUTLETS HAVING MORE THAN TWO CABLES REQUIRE AN ADDITIONAL (1") CONDUIT PER WALL BOX.
8. CONTRACTOR SHALL PROVIDE CABLE SADDLES RATED FOR SUPPORTING CAT6 DATA CABLING THAT IS NOT IN CONDUIT OR CABLE TRAY. CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR ON CABLE PATHS PRIOR TO INSTALLATION OF CABLING.
9. IN ACCESSIBLE CEILING CABLING, CABLE SADDLES AND ITS SUPPORTS SHALL BE PROVIDED BY MEANS THAT IS STRUCTURALLY INDEPENDENT OF THE SUSPENDED CEILING, ITS FRAMEWORK, OR SUPPORTS. THESE SUPPORTS SHALL BE SPACED NO MORE THAN 5FT APART.
10. THE NUMBER OF HORIZONTAL CABLES PLACED IN A CABLE SUPPORT OR PATHWAY SHALL BE LIMITED TO A NUMBER OF CABLES THAT WILL NOT CAUSE A GEOMETRIC SHAPE OF THE CABLES TO BE ALTERED. UNDER NO CIRCUMSTANCES SHOULD CABLES IN THE HORIZONTAL PATHWAY BE BUNDLED.
11. SUPPLY SOLUTIONS AND SHOP DRAWINGS SUBMITTALS FOR CONDUIT SEALING MATERIALS AND SYSTEMS FOR WRITTEN APPROVAL OF MATERIAL/SYSTEMS PRIOR TO PURCHASE AND INSTALLATION. MATERIALS AND SYSTEMS SHALL BE COMPLETE UPON INSTALLATION.
12. PRIOR TO SUBSTANTIAL COMPLETION, ALL TELECOM PATHWAY CONDUITS AND UNUSED "TELECOM INTENDED USE CONDUITS" SHALL BE PROPERLY LABELED AND FIRE STOPPED.
13. CONDUIT RUNS SHALL BE INSTALLED WITH NO MORE THAN (2) 90 DEGREE BENDS AND NOT EXCEED 100 FEET. IF THESE CONDITIONS CAN NOT BE MET, A J-BOX MUST BE PLACED IN THE RUN, WITH THE ABILITY TO ACCESS BOX THROUGH THE CEILING.
14. CONDUIT RUNS THAT HAVE AN INTERNAL DIAMETER OF 2" OR LESS SHALL HAVE A BEND RADIUS SIX (6) TIMES THE INTERNAL CONDUIT. IF CONDUIT RUNS HAVE AN INTERNAL DIAMETER OF 2" OR MORE IT SHALL HAVE A BEND RADIUS TEN (10) TIMES THE INTERNAL CONDUIT.
15. CONDUITS SHALL HAVE CONNECTORS, PROTECTIVE BUSHINGS, AND PULL STRINGS AND SHALL BE GROUNDED.
16. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ARCHITECT AND TELECOMMUNICATIONS CONSULTANT ON ENTRY, PATHWAYS AND OUTLET BOX PLACEMENT IN MODULAR FURNITURE AND CUSTOM MILLWORK.
17. WITHIN THE WAREHOUSE ALL CABLING SHALL BE INSTALLED IN CONDUIT TO THE NEAREST IDF OR ENCLOSURE.

# ELECTRICAL:

1. FOR SPECIFIC PROJECT POWER AND RECEPTACLE REQUIREMENTS REFERENCE ELECTRICAL SPECIFICATIONS AND DRAWINGS AND VERIFY WITH COMMUNICATION SPECIFICATIONS AND DRAWINGS. REPORT TO GC DISCREPANCIES PRIOR TO PURCHASE OR INSTALLATION.
2. PROVIDE A MINIMUM OF ONE (1) DUPLEX RECEPTACLE FOR EACH INFORMATION OUTLET (I/O) INSTALLED THAT IS NOT LOCATED WITHIN 3' OF A DUPLEX ELECTRICAL OUTLET.
3. PROVIDE DEDICATED RECEPTACLE CIRCUITS LOCATED ON OR NEAR EACH EQUIPMENT RACK LOCATED IN THE COMMUNICATIONS ROOMS. SEE DRAWINGS FOR APPROXIMATE LOCATIONS. REFER TO ELECTRICAL DOCUMENTS FOR SPECIFICS.
4. ELECTRICAL CONTRACTOR SHALL INSTALL NORMAL AND GENERATOR BACK-UP POWER AS REQUIRED.

# TELECOM CABLE:

1. CABLING CONTRACTOR MUST BE A CERTIFIED INSTALLER AND ABLE TO PROVIDE MANUFACTURER WARRANTY.
2. CONTRACTOR SHALL TERMINATE ALL CATEGORY 6E 8P8C JACK INSERTS TO 568-B WIRING SCHEME.
3. CONTRACTOR SHALL PROVIDE AND INSTALL HORIZONTAL COPPER DATA CABLES.
4. HORIZONTAL DATA CABLING SHALL CONSIST 23 AWG PLENUM CAT6 4PR UTP CABLES TO EACH DATA OUTLET.
5. NO HORIZONTAL CABLE SHALL BE LONGER THAN 295 FEET. IF THE CONTRACTOR BELIEVES ANY STATION CABLE WILL EXCEED THE 295 FEET LIMIT WRITTEN APPROVAL FROM THE OWNER'S ARCHITECT/ENGINEER WILL BE REQUIRED PRIOR TO INSTALLATION.
6. PROVIDE CATEGORY CABLING FROM EACH WORKSTATION OUTLET LOCATION TO TELECOM ROOM.
7. HORIZONTAL DATA CABLING SHALL TERMINATE ON RACK MOUNTED MULTI-MEDIA 48-PORT PATCH PANELS WITH JACK INSERTS LOCATED IN TELECOM ROOM, AND ON 8P8C INSERTS AT THE OUTLET.
8. CONTRACTOR TO PROVIDE LACING BARS TO RESTRAIN CABLES AND TO PREVENT STRAINING CONNECTIONS.
9. COMMUNICATIONS CABLE SHALL NOT BE PAINTED.
10. PROVIDE ALL NECESSARY MEANS TO PROTECT ALL DATA /VOICE/FIBER CABLING AND JACKS/PORTS FROM MECHANICAL DAMAGE AND DUST DURING CONSTRUCTION.
11. CONTRACTOR TO PROVIDE SELF-ADHESIVE VINYL OR VINYL-CLOTH WRAPAROUND TAPE MARKERS, MACHINE PRINTED WITH ALPHANUMERIC CABLE DESIGNATIONS PER ANSI/TIA-607B STANDARDS.
12. OSP BACKBONE FIBER OPTIC CABLE SHALL BE PROVIDED AND INSTALLED BY DOA CONTRACTOR.
13. CONTRACTOR TO PROVIDE PROPER RATED CABLE TYPE PER INSTALLATION TYPE OSP, RISER OR PLENUM.
14. ALL CABLING INSTALLED UNDERGROUND IN CONCRETE SLABS, IN DIRECT CONTACT WITH THE EARTH, LOCATIONS SUBJECT TO SATURATION WITH LIQUIDS AND UNPROTECTED LOCATIONS EXPOSED TO WEATHER SHALL BE CONSTRUCTED WITH APPROPRIATE WEATHER PROOFING COMPOUNDS AND SHEATHING.
15. COMMUNICATION CONTRACTOR IS RESPONSIBLE FOR PLACING ALL TELECOM CABLING IN CABLE TRAY TO ANSI-TIA 569-C STANDARDS. REFERENCE DIVISION 27/28 SPECIFICATIONS AND T, TA, AND QY DRAWINGS.
16. VIDEO SURVEILLANCE OUTLET LOCATIONS SHALL CONSIST OF ONE (1) 23 AWG PLENUM CAT6 4PR UTP CABLES TO EACH IP CAMERA. COORDINATE WITH CAMPUS IT/SECURITY DEPARTMENT AND QY-DRAWINGS ON CAMERA CABLING INSTALLATION.
17. COMMUNICATION CONTRACTOR TO HOME-RUN ALL SECURITY DOOR DEVICE COMPOSITE CABLES TO DESIGNATED SECURITY PANEL. COORDINATE ALL SECURITY CABLE PLACEMENT WITH OWNERS SECURITY VENDOR.

# TELECOM SYMBOLS:

| | |
|---|---|
| xD<br>+X" AFF | DATA OUTLET (D).<br>(x) = NUMBER OF CABLE RUNS PER LOCATION AS INDICATED<br>CABLE TYPE AS SPECIFIED<br>MOUNTED +18" AFF UNLESS NOTED OTHERWISE |
| xD/xTV<br>+X" AFF | DATA OUTLET (D) AND TV OUTLET (TV)<br>(x) = NUMBER OF CABLE RUNS PER LOCATION AS INDICATED<br>CABLE TYPE AS SPECIFIED<br>MOUNTED +60" AFF UNLESS NOTED OTHERWISE |
| WAP | WIRELESS ACCESS POINT (W) CEILING MOUNTED<br>(2) DATA RUN PER LOCATION UNLESS NOTED OTHERWISE<br>CABLE TYPE AS SPECIFIED<br>CEILING MOUNTED UNLESS NOTED OTHERWISE |
| W | WIRELESS ACCESS POINT (W) WALL MOUNTED<br>(2) DATA RUN PER LOCATION UNLESS NOTED OTHERWISE<br>CABLE TYPE AS SPECIFIED<br>MOUNTED +120" AFF UNLESS NOTED OTHERWISE |
| CAM | IP SECURITY CAMERA CEILING DATA OUTLET (CAM)<br>(1) DATA CABLE RUN PER LOCATION UNLESS NOTED OTHERWISE<br>CABLE TYPE AS SPECIFIED<br>CEILING MOUNTED UNLESS NOTED OTHERWISE |
| CAM<br>+X" AFF | IP SECURITY CAMERA WALL DATA OUTLET (CAM)<br>(1) DATA CABLE RUN PER LOCATION UNLESS NOTED OTHERWISE<br>CABLE TYPE AS SPECIFIED<br>MOUNTED +108" AFF UNLESS NOTED OTHERWISE |
| W | VOICE OUTLET (W),<br>(x)=NUMBER OF CABLE RUNS PER LOCATION<br>CABLE TYPE AS SPECIFIED<br>MOUNTED +48" AFF UNLESS NOTED OTHERWISE |
| FB-xD | FLOOR BOX OUTLET (FB)<br>(x) = NUMBER OF CABLE RUNS PER LOCATION AS INDICATED.<br>CABLE TYPE AS SPECIFIED<br>ARROW INDICATES ESTIMATED CONDUIT PATH. REFER TO DIV. 26 FOR ROUTE DIRECTION. |
| FP-xD | FLOOR POKE OUTLET (FP)<br>(x) = NUMBER OF CABLE RUNS PER LOCATION AS INDICATED.<br>CABLE TYPE AS SPECIFIED<br>ARROW INDICATES ESTIMATED CONDUIT PATH. REFER TO DIV. 26 FOR ROUTE DIRECTION. |
| PB | PULL BOX WITH ACCESS DOOR<br>ACCESS DOOR COLOR AND FINISH TO BE COORDINATED WITH ARCHITECT<br>MOUNTED 12" ABOVE CEILING LEVEL UNLESS NOTED OTHERWISE |
| 1D-S | ACCESS CONTROL (1D-S) - ABOVE CEILING MOUNTED<br>(1) DATA RUN PER LOCATION UNLESS NOTED OTHERWISE.<br>CABLE TYPE AS SPECIFIED<br>INSTALL INSIDE ACCESS CONTROL J-BOX ABOVE DOOR. |
| FB-F | LIGHT POLE OUTLET.<br>REFER TO BACKBONE SCHEDULE FOR CABLE REQUIREMENTS.<br>CABLE TYPE AS SPECIFIED. |

# TELECOM DRAWINGS:

| | |
|---|---|
| T-0-01 | TELECOM INDEX |
| T-1-01 | TELECOM SITE PLAN (PACKAGE 1) |
| T-1-02 | TELECOM SITE PLAN (PACKAGE 2) |
| T-1-03 | TELECOM - FIRST FLOOR PLAN |
| T-1-04 | TELECOM - AREA A FLOOR PLAN |
| T-1-05 | TELECOM - AREA B FLOOR PLAN |
| T-1-06 | TELECOM - AREA C FLOOR PLAN |
| T-1-07 | TELECOM - FIRST FLOOR REFLECTED CEILING PLAN |
| T-1-08 | TELECOM - AREA A REFLECTED CEILING PLAN |
| T-1-09 | TELECOM - AREA B REFLECTED CEILING PLAN |
| T-1-10 | TELECOM - AREA C REFLECTED CEILING PLAN |
| T-4-01 | TELECOM - ENLARGED IDF |
| T-4-02 | TELECOM - ENLARGED IDF |
| T-5-01 | TELECOM ENCLOSURE DETAILS |
| T-5-02 | TELECOM ENCLOSURE DETAILS |
| T-5-03 | TELECOM DETAILS |
| T-5-04 | TELECOM DETAILS |
| T-5-05 | TELECOM DETAILS |

# ABBREVIATIONS:

| | |
|---|---|
| AFF | ABOVE FINISHED FLOOR |
| AWG | AMERICAN WIRE GAUGE |
| CON. | CONDUCTOR |
| I/O | INFORMATION OUTLET |
| IDF | INTERMEDIATE DISTRIBUTION FRAME |
| LAN | LOCAL AREA NETWORK |
| MDF | MAIN DISTRIBUTION FRAME |
| MH | MAINTENANCE HOLE |
| N/A | NOT APPLICABLE |
| NIC | NOT INCLUDED IN CONTRACT |
| OFOI | OWNER FURNISH OWNER INSTALLED |
| TBB | TELECOMMUNICATIONS BONDING BACKBONE |
| TBC | TELECOMMUNICATIONS BONDING CONDUCTOR |
| TGB | TELECOMMUNICATIONS GROUND BUS BAR |
| TMBC | TELECOMMUNICATIONS MAIN BONDING CONDUCTOR |
| TMGB | TELECOMMUNICATIONS MAIN GROUNDING BUS BAR |
| TR | TELECOM ROOM |
| TS | TRADE SIZE |
| UTP | UNSHIELDED TWISTED PAIR |
| WP | WATER PROOF |

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REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
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REG. NO. 143116
EXPIRES 12-31-2021
RCDD


AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No:00000 AIP/C'Nos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| COORD. CHECK: | MC | | | | |
| FILE NAME: L13189.026-T-0-01.dwg | | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | N.T.S. | No. | Date | Description | By |

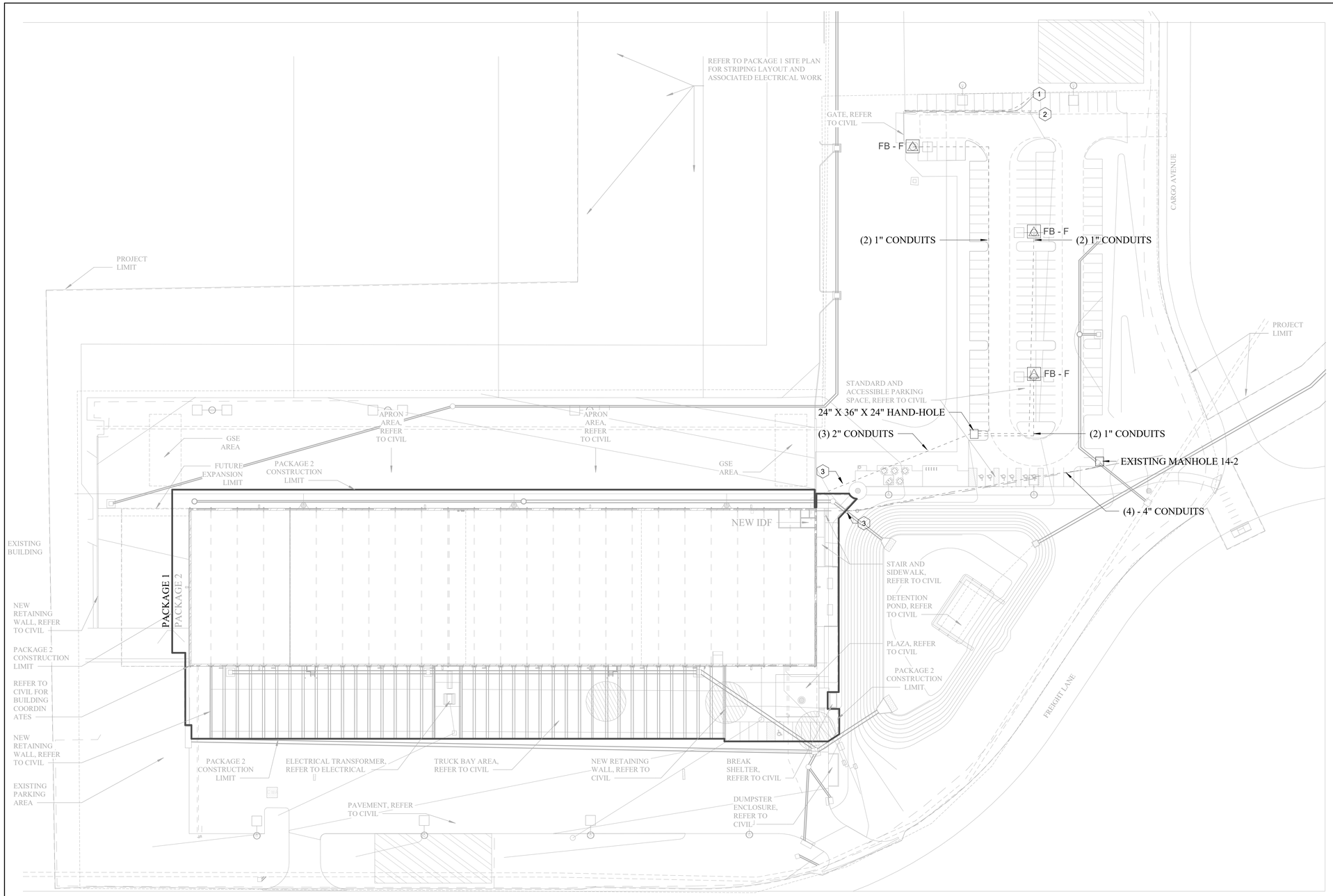
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

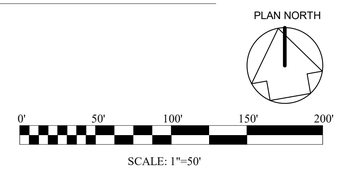
**TELECOM INDEX**

SHEET NO.

**T-0-01**




1 TELECOM - PACKAGE 1 - SITE PLAN
1" = 50'-0"

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GENERAL NOTE:

1. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE SITE TO DETERMINE THE EXTENT OF WORK AND CONDITION UNDER WHICH IT WILL BE DONE. REVIEW AND VERIFY CONTRACT DOCUMENTS IN RELATION TO FIELD CONDITIONS TO VERIFY ACCURACY. CONFIRMING WITH OWNER, OR THEIR DESIGNATED REPRESENTATIVE.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CLARIFICATION FROM OWNER, OR THEIR DESIGNATED REPRESENTATIVE, BEFORE PROCEEDING WITH THE WORK OR RELATED WORK IN QUESTION.
3. DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS MUST BE BROUGHT TO THE IMMEDIATE ATTENTION OF OWNER, OR THEIR DESIGNATED REPRESENTATIVE, FOR CLARIFICATION.
4. REFER TO TECHNOLOGY CONTRACT DOCUMENTS, DRAWINGS AND SPECIFICATIONS AS A UNIT AND IN WHOLE IN THE BIDDING AND INSTALLATION OF THIS PROJECT.
5. ELECTRICAL CONTRACTOR SHALL READ IN THEIR ENTIRETY ALL SECTIONS OF THE COMMUNICATIONS CABLING SYSTEM DOCUMENTS AND APPLY THEM AS APPROPRIATE FOR WORK IN THIS SECTION. REF DIVISION 27 AND T DRAWINGS.
6. ALL CONDUIT AND MAINTENANCE HOLES SHOWN ON THESE DRAWINGS ARE FOR APPROXIMATE LOCATION AND POSITIONING ONLY. VERIFY EXACT LOCATIONS WITH THE OWNER OR GENERAL CONTRACTOR BEFORE INSTALLATION.
7. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONDUIT AT A MINIMUM DEPTH OF 24" OF COVER FROM THE TOP OF ALL CONDUITS.
8. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL SUPPORTS AND SPACERS TO PREVENT SAGGING OF CONDUITS, BREAKING OF COUPLERS AND WATERTIGHT SEALS.
9. ELECTRICAL CONTRACTOR SHALL PROVIDE A MINIUM OF 6" OF BURIED CLEARANCE BETWEEN CROSSING INTERSECTION AND 12" BURIED CLEARANCE IN PARALLEL RUNS WITH ELECTRICAL SYSTEMS.
10. CONDUIT RUNS SHALL BE INSTALLED WITH NO MORE THAN (2) 90 DEGREE RADIUS BENDS AND NOT EXCEED 600FT. IF THESE CONDITIONS CAN NOT BE MET, A 6' X 6' X 4' MAINTENANCE HOLE WITH A 20K LOAD RATING MUST BE PLACED IN THE RUN.
11. NO ELBOWS OR 90 DEGREE TURNS ARE ALLOWED INSIDE MAINTENANCE HOLE TO ALLOW FOR CABLE BEND RADIUS.
12. ELECTRICAL CONTRACTOR SHALL PROVIDE ANY CONDUIT BENDS 15 DEGREES OR MORE IN THE CONDUIT RUN WITH LONG RADIUS BENDS.
13. THE ELECTRICAL CONTRACTOR SHALL OBTAIN OWNER'S PERMISSION PRIOR TO PROCEEDING WITH ANY WORK NECESSITATING CUTTING INTO OR THROUGH CONCRETE DRIVEWAYS OR SIDEWALKS.

GENERAL NOTES CONTINUED:

14. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A TEST MANDREL THROUGH ALL CONDUITS TO VERIFY CONDUIT INTEGRITY AND ENSURE A SMOOTH INTERIOR SURFACE THAT ARE FREE FROM BURRS AND OBSTRUCTIONS THAT MIGHT DAMAGE CABLE SHEATHS.
15. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A 250LB MULE TAPE WITH FOOTAGE MARKER'S THAT IS IN A CONTINUOUS FORM WITHIN EACH CONDUIT RUN.
16. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL UNDERGROUND MARKING AND WARNING TAPE 12" ABOVE THE DUCTBANK THROUGH THE LENGTH OF TRENCH. TAPE TO BE MARKED CAUTION TELEPHONE/DATA CABLE BELOW.
17. MAINTENANCE HOLES SHALL BE FULLY INSTALLED INCLUDING ALL INTERIOR SUPPORT SYSTEMS, HANGERS, LADDERS, SUMP SYSTEM, CONDUIT CAPS, ACCESSORIES AND BONDING.
18. DUCTBANK IS EXISTING BETWEEN 14-2 AND 13-2. CONTRACTOR TO BRUSH AND MANDREL CONDUIT PRIOR TO INSTALLING MAXCELL AND CABLING.
19. CONTRACTOR TO SUBMIT WRITTEN INSTALLATION PLAN TO P&D AND IT DEPARTMENTS PRIOR TO ANY WORK BEING PERFORMED.
20. CONTRACTOR TO SPLICE INTO EXISTING CABLING WITHIN 13-2 WITH NEW CABLING AS IDENTIFIED ON SCHEDULE. CONTRACTOR TO PROVIDE SPLICE ENCLOSURE AND ALL COMPONENTS FOR A COMPLETE SPLICE AND LINK.
21. CONTRACTOR TO COORDINATE WITH OWNER TO TEST ENTIRE LINK OF CABLING.

SHEET NOTES

| | |
|---|---|
| 1 | EXISTING LIGHT POLE LOCATION WITH CAMERA. SPLICE INTO EXISTING CABLE AND EXTEND TO NEW LIGHT POLE LOCATION. EXISTING LIGHT POLE NEW CAMERA AND MOUNT TO BE INSTALLED AT NEW LOCATION. |
| 2 | EXISTING CONTROL GATE LOCATION. SPLICE INTO EXISTING CABLE AND EXTEND TO NEW GATE LOCATION. OWNER WILL RELOCATE EXISTING CONTROLS AND COMPONENTS TO NEW GATE. |
| 3 | CONTRACTOR TO CAP CONDUIT IN PACKAGE 1 AND PACKAGE 2 TO PICK UP THE REMAINDER OF THE CONDUIT/INSTALLATION. |


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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| CHECKED BY: | AM | | | | |
| COORD. CHECK: | MC | | | | |
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| DATE: | 02AUG21 | | | | |
| SCALE: | 1" = 50'-0" | No. | Date | Description | By |

KEY MAP

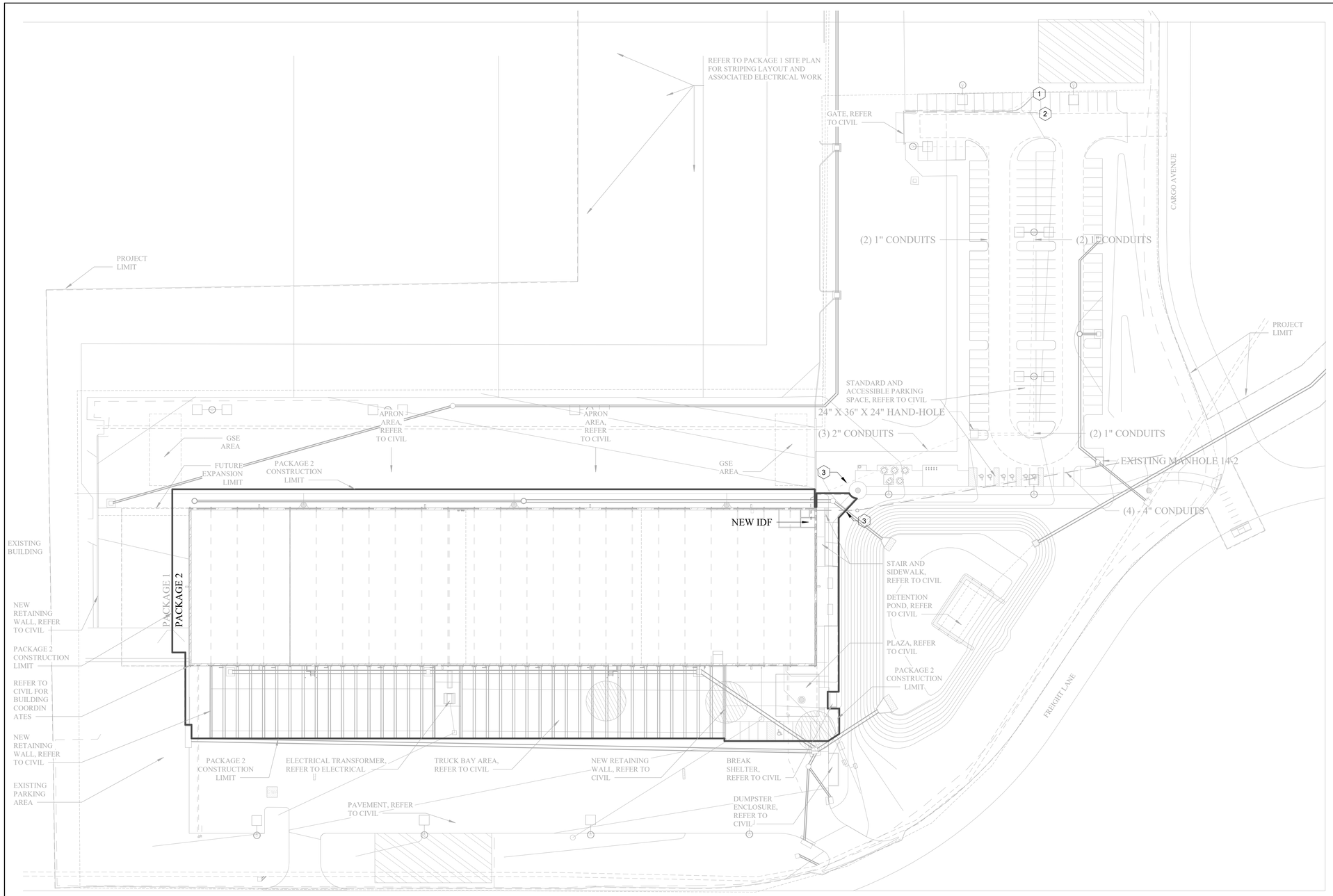
SECTOR J3

DRAWING DESCRIPTION:

**TELECOM SITE PLAN (PACKAGE 1)**

SHEET NO.

**T-1-01**




1 TELECOM - PACKAGE 2 - SITE PLAN
1" = 50'-0"

## BACKBONE SCHEDULE:

| ORIGIN | DESTINATION | CABLE SCHEDULE |
|---|---|---|
| EAST CARGO IDF 137 | EXISTING MAN-HOLE 13-2. | 48 STRAND OSP OS2 (3) 3-CELL 3" MAXCELL |
| EAST CARGO IDF 137 | EXISTING MAN-HOLE 13-2. | 50 PAIR OSP |
| EAST CARGO IDF 137 | OUTDOOR ENCLOSURES | (1) 24 STRAND I/O OS2 TO EACH DEVICE |
| EAST CARGO IDF 137 | LIGHT-POLE | (1) 2 STRAND OSP OS2 TO EACH LIGHT POLE |

PLAN NORTH

0' 50' 100' 150' 200'

SCALE: 1"=50'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

GENERAL NOTE:

1. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE SITE TO DETERMINE THE EXTENT OF WORK AND CONDITION UNDER WHICH IT WILL BE DONE. REVIEW AND VERIFY CONTRACT DOCUMENTS IN RELATION TO FIELD CONDITIONS TO VERIFY ACCURACY. CONFIRMING WITH OWNER, OR THEIR DESIGNATED REPRESENTATIVE.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CLARIFICATION FROM OWNER, OR THEIR DESIGNATED REPRESENTATIVE, BEFORE PROCEEDING WITH THE WORK OR RELATED WORK IN QUESTION.
3. DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS MUST BE BROUGHT TO THE IMMEDIATE ATTENTION OF OWNER, OR THEIR DESIGNATED REPRESENTATIVE, FOR CLARIFICATION.
4. REFER TO TECHNOLOGY CONTRACT DOCUMENTS, DRAWINGS AND SPECIFICATIONS AS A UNIT AND IN WHOLE IN THE BIDDING AND INSTALLATION OF THIS PROJECT.
5. ELECTRICAL CONTRACTOR SHALL READ IN THEIR ENTIRETY ALL SECTIONS OF THE COMMUNICATIONS CABLING SYSTEM DOCUMENTS AND APPLY THEM AS APPROPRIATE FOR WORK IN THIS SECTION. REF DIVISION 27 AND T DRAWINGS.
6. ALL CONDUIT AND MAINTENANCE HOLES SHOWN ON THESE DRAWINGS ARE FOR APPROXIMATE LOCATION AND POSITIONING ONLY. VERIFY EXACT LOCATIONS WITH THE OWNER OR GENERAL CONTRACTOR BEFORE INSTALLATION.
7. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONDUIT AT A MINIMUM DEPTH OF 24" OF COVER FROM THE TOP OF ALL CONDUITS.
8. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL SUPPORTS AND SPACERS TO PREVENT SAGGING OF CONDUITS, BREAKING OF COUPLERS AND WATERTIGHT SEALS.
9. ELECTRICAL CONTRACTOR SHALL PROVIDE A MINIUM OF 6" OF BURIED CLEARANCE BETWEEN CROSSING INTERSECTION AND 12" BURIED CLEARANCE IN PARALLEL RUNS WITH ELECTRICAL SYSTEMS.
10. CONDUIT RUNS SHALL BE INSTALLED WITH NO MORE THAN (2) 90 DEGREE RADIUS BENDS AND NOT EXCEED 600FT. IF THESE CONDITIONS CAN NOT BE MET, A 6' X 6' X 4' MAINTENANCE HOLE WITH A 20K LOAD RATING MUST BE PLACED IN THE RUN.
11. NO ELBOWS OR 90 DEGREE TURNS ARE ALLOWED INSIDE MAINTENANCE HOLE TO ALLOW FOR CABLE BEND RADIUS.
12. ELECTRICAL CONTRACTOR SHALL PROVIDE ANY CONDUIT BENDS 15 DEGREES OR MORE IN THE CONDUIT RUN WITH LONG RADIUS BENDS.
13. THE ELECTRICAL CONTRACTOR SHALL OBTAIN OWNER'S PERMISSION PRIOR TO PROCEEDING WITH ANY WORK NECESSITATING CUTTING INTO OR THROUGH CONCRETE DRIVEWAYS OR SIDEWALKS.

GENERAL NOTES CONTINUED:

14. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A TEST MANDREL THROUGH ALL CONDUITS TO VERIFY CONDUIT INTEGRITY AND ENSURE A SMOOTH INTERIOR SURFACE THAT ARE FREE FROM BURRS AND OBSTRUCTIONS THAT MIGHT DAMAGE CABLE SHEATHS.
15. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A 250LB MULE TAPE WITH FOOTAGE MARKER'S THAT IS IN A CONTINUOUS FORM WITHIN EACH CONDUIT RUN.
16. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL UNDERGROUND MARKING AND WARNING TAPE 12" ABOVE THE DUCTBANK THROUGH THE LENGTH OF TRENCH. TAPE TO BE MARKED CAUTION TELEPHONE/DATA CABLE BELOW.
17. MAINTENANCE HOLES SHALL BE FULLY INSTALLED INCLUDING ALL INTERIOR SUPPORT SYSTEMS, HANGERS, LADDERS, SUMP SYSTEM, CONDUIT CAPS, ACCESSORIES AND BONDING.
18. DUCTBANK IS EXISTING BETWEEN 14-2 AND 13-2. CONTRACTOR TO BRUSH AND MANDREL CONDUIT PRIOR TO INSTALLING MAXCELL AND CABLING.
19. CONTRACTOR TO SUBMIT WRITTEN INSTALLATION PLAN TO P&D AND IT DEPARTMENTS PRIOR TO ANY WORK BEING PERFORMED.
20. CONTRACTOR TO SPLICE INTO EXISTING CABLING WITHIN 13-2 WITH NEW CABLING AS IDENTIFIED ON SCHEDULE. CONTRACTOR TO PROVIDE SPLICE ENCLOSURE AND ALL COMPONENTS FOR A COMPLETE SPLICE AND LINK.
21. CONTRACTOR TO COORDINATE WITH OWNER TO TEST ENTIRE LINK OF CABLING.

SHEET NOTES

| | |
|---|---|
| 1 | EXISTING LIGHT POLE LOCATION WITH CAMERA. SPLICE INTO EXISTING CABLE AND EXTEND TO NEW LIGHT POLE LOCATION. EXISTING LIGHT POLE NEW CAMERA AND MOUNT TO BE INSTALLED AT NEW LOCATION. |
| 2 | EXISTING CONTROL GATE LOCATION. SPLICE INTO EXISTING CABLE AND EXTEND TO NEW GATE LOCATION. OWNER WILL RELOCATE EXISTING CONTROLS AND COMPONENTS TO NEW GATE. |
| 3 | CONTRACTOR TO CAP CONDUIT IN PACKAGE 1 AND PACKAGE 2 TO PICK UP THE REMAINDER OF THE CONDUIT/INSTALLATION. |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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No:00000 AIP/C No:: 0-00-0000-00-00

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| No. | Date | Description | By |
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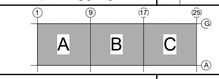
KEY MAP



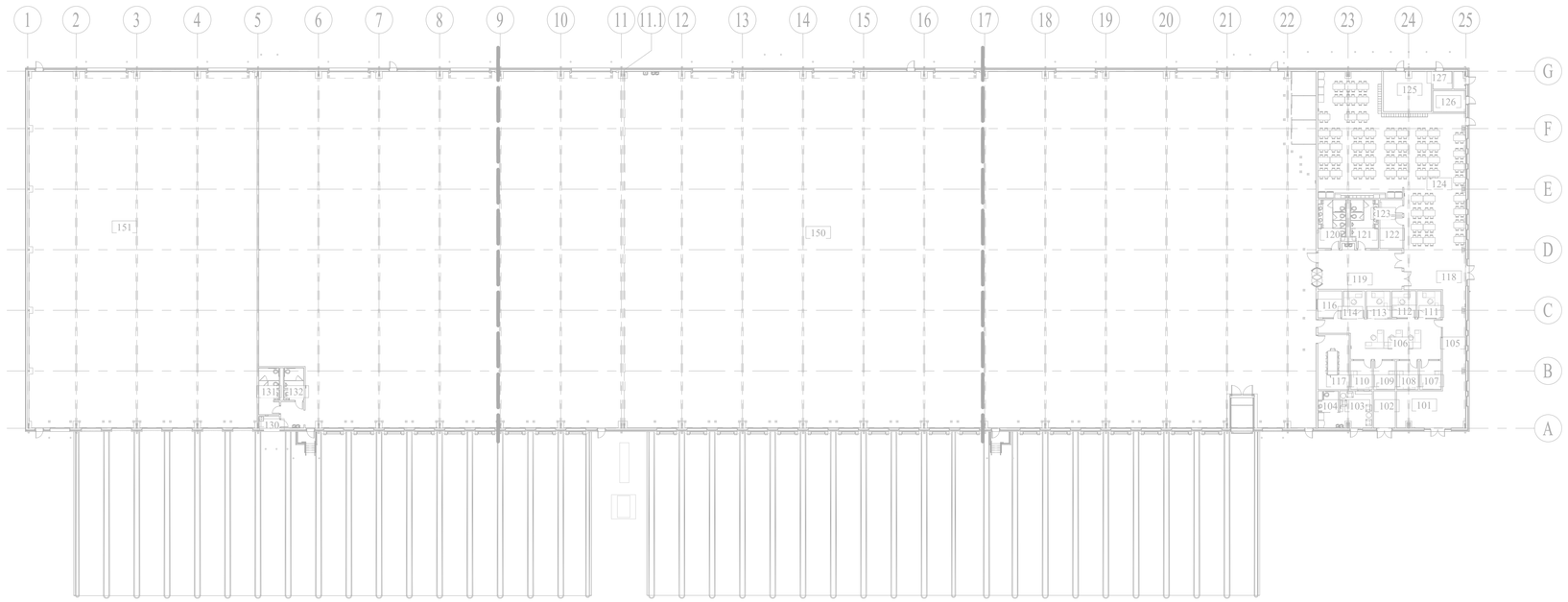

SECTOR J3

DRAWING DESCRIPTION:

**TELECOM SITE PLAN (PACKAGE 2)**

SHEET NO.

**T-1-02**




1 TELECOM - FLOOR PLAN - FIRST FLOOR OVERALL
1" = 30'-0"

PLAN NORTH

0' 30' 60' 90' 120'

SCALE: 1"=30'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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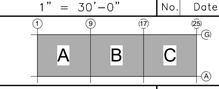


SECTOR J3

DRAWING DESCRIPTION:

**TELECOM - FIRST FLOOR PLAN**

SHEET NO.

**T-1-03**

1 TELECOM - FLOOR PLAN - FIRST FLOOR AREA A
1" = 10'-0"

PLAN NORTH

0' 10' 20' 30' 40'

SCALE: 1"=10'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

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# AUS CARGO DEVELOPMENT EAST

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| DATE: | 02AUG21 |
| SCALE: | 1" = 10'-0" |

| No. | Date | Description | By |
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KEY MAP

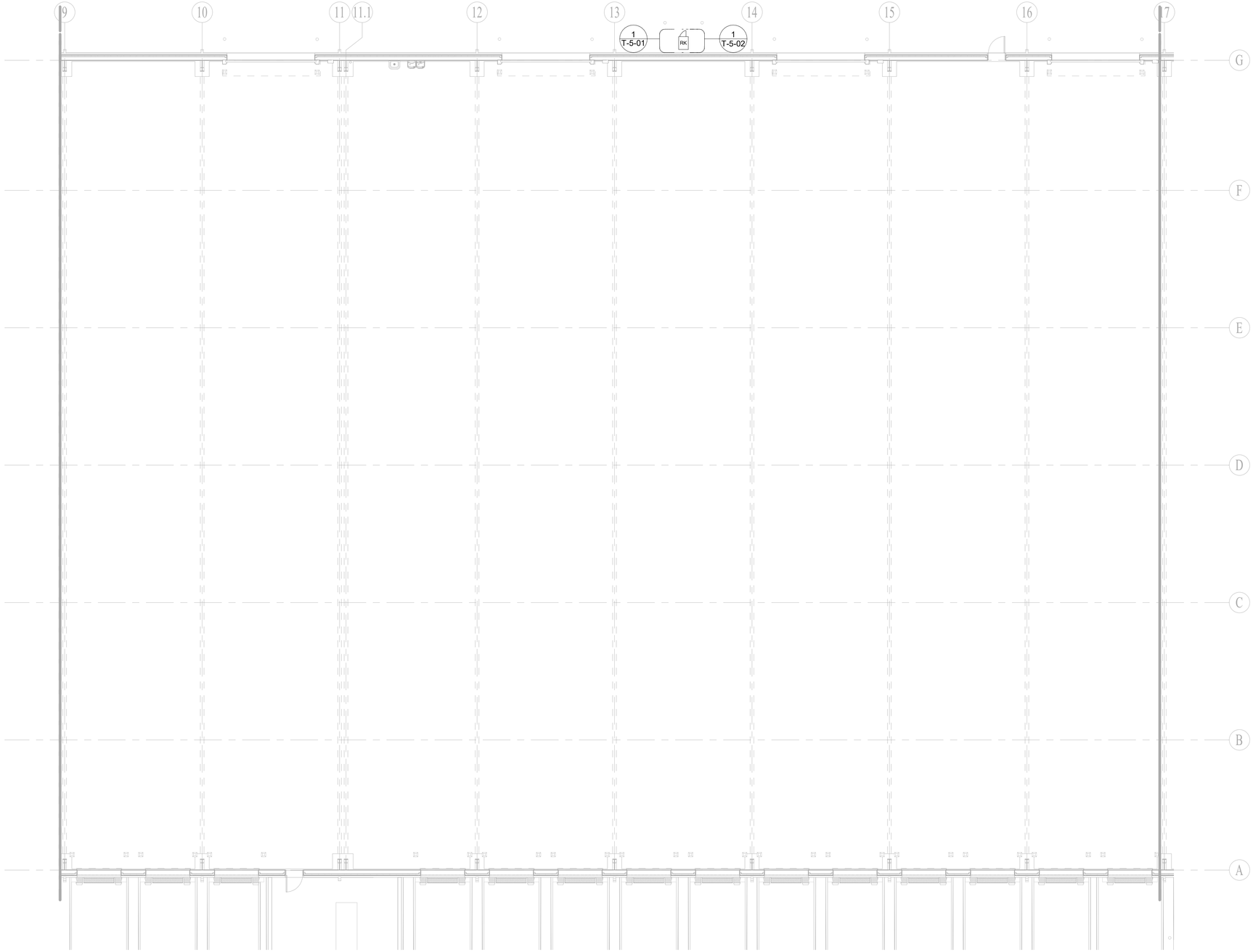
SECTOR J3

DRAWING DESCRIPTION:

## TELECOM - AREA A FLOOR PLAN

SHEET NO.

T-1-04




1 TELECOM - FLOOR PLAN - FIRST FLOOR AREA B
1" = 10'-0"

PLAN NORTH

0' 10' 20' 30' 40'

SCALE: 1"=10'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.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# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No:00000|AIP/CNos.: 0-00-0000-00-00

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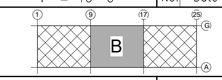


SECTOR J3

DRAWING DESCRIPTION:

**TELECOM - AREA B FLOOR PLAN**

SHEET NO.

**T-1-05**

1 TELECOM - FLOOR PLAN - FIRST FLOOR AREA C
1" = 10'-0"

PLAN NORTH

0' 10' 20' 30' 40'

SCALE: 1"=10'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

GENERAL NOTES:

1. ALL DATA CABLING TO BE INSTALLED IN CONDUIT BACK TO THE NEAREST ACCESSIBLE CEILING.
2. ALL DEVICE CABLING WITHIN THE WAREHOUSE SPACE TO BE INSTALLED WITHIN CONDUIT.

SHEET NOTES

| | |
|---|---|
| 1 | DATA IS FOR MEP EQUIPMENT NETWORK CONNECTION. LOCATION TO BE COORDINATED WITH MEP CONTRACTOR. |


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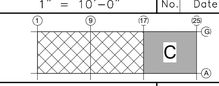


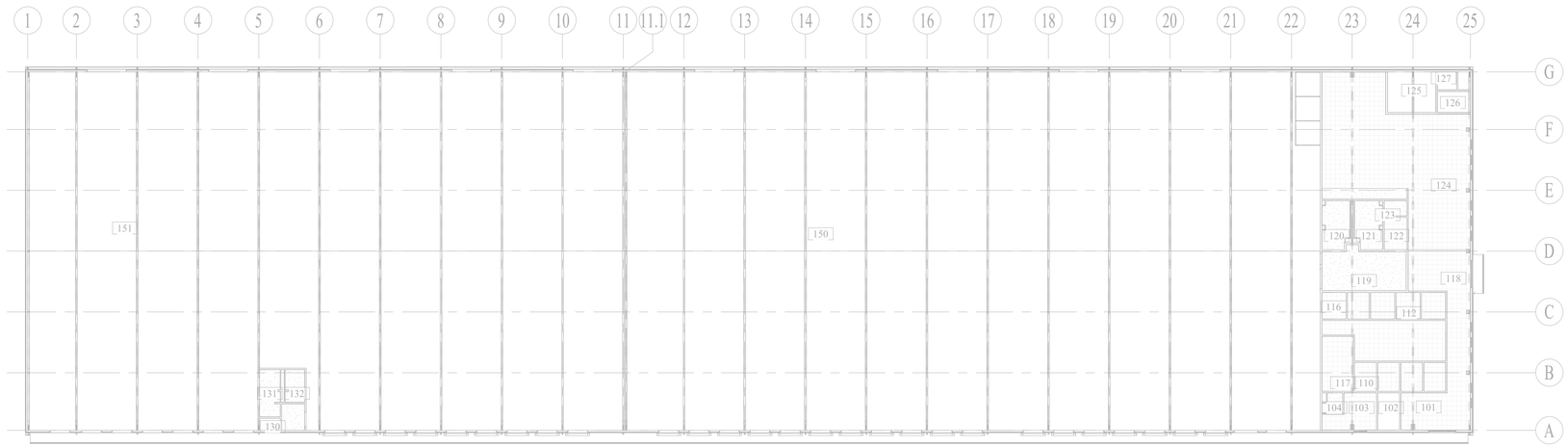

SECTOR J3

DRAWING DESCRIPTION:

## TELECOM - AREA C FLOOR PLAN

SHEET NO.

T-1-06




1 TELECOM - REFLECTED CEILING PLAN - FIRST FLOOR OVERALL
1" = 30'-0"

PLAN NORTH

0' 30' 60' 90' 120'

SCALE: 1"=30'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

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ABIA Project No:L13189.026 Permit Issue No.:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

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| CHECKED BY: | AM | | | | |
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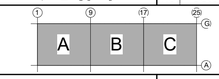
KEY MAP



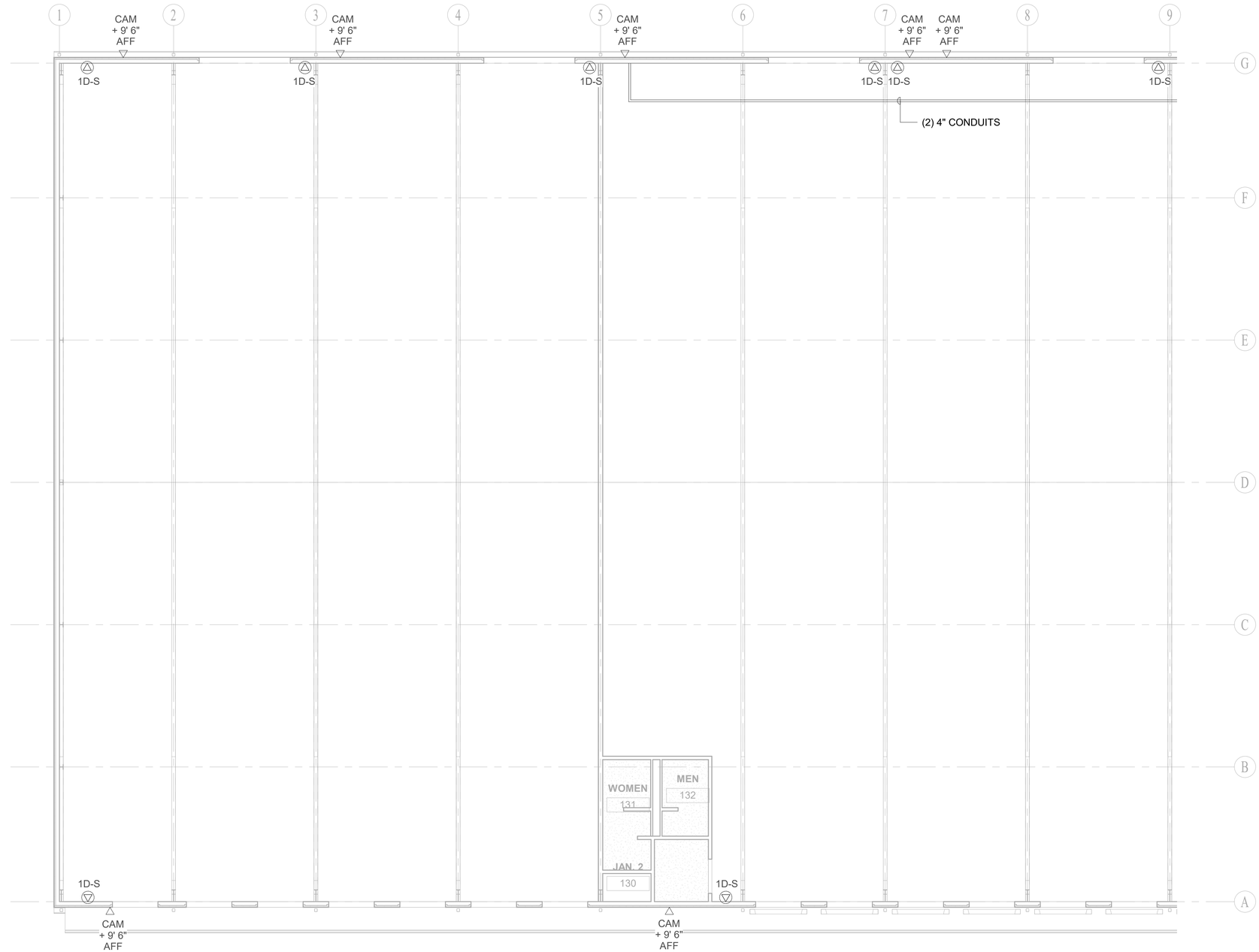

SECTOR J3

DRAWING DESCRIPTION:

**TELECOM - FIRST FLOOR REFLECTED CEILING PLAN**

SHEET NO.

**T-1-07**




1 TELECOM - REFLECTED CEILING PLAN - FIRST FLOOR AREA A
1" = 10'-0"

PLAN NORTH

0' 10' 20' 30' 40'

SCALE: 1"=10'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

GENERAL NOTES:

1. ALL DATA CABLING TO BE INSTALLED IN CONDUIT BACK TO THE NEAREST ACCESSIBLE CEILING.
2. ALL DEVICE CABLING WITHIN THE WAREHOUSE SPACE TO BE INSTALLED WITHIN CONDUIT.
3. IF HORIZONTAL PATHWAYS EXCEED 100' OR (2) 90 DEGREE BENDS CONTRACTOR SHALL INSTALL A PULL BOX.
4. IF BACKBONE PATHWAYS EXCEED 600' OR (2) 90 DEGREE BENDS CONTRACTOR SHALL INSTALL A PULL BOX.

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No:00000 AIP/CNos.: 0-00-0000-00-00

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| No. | Date | Description | By |
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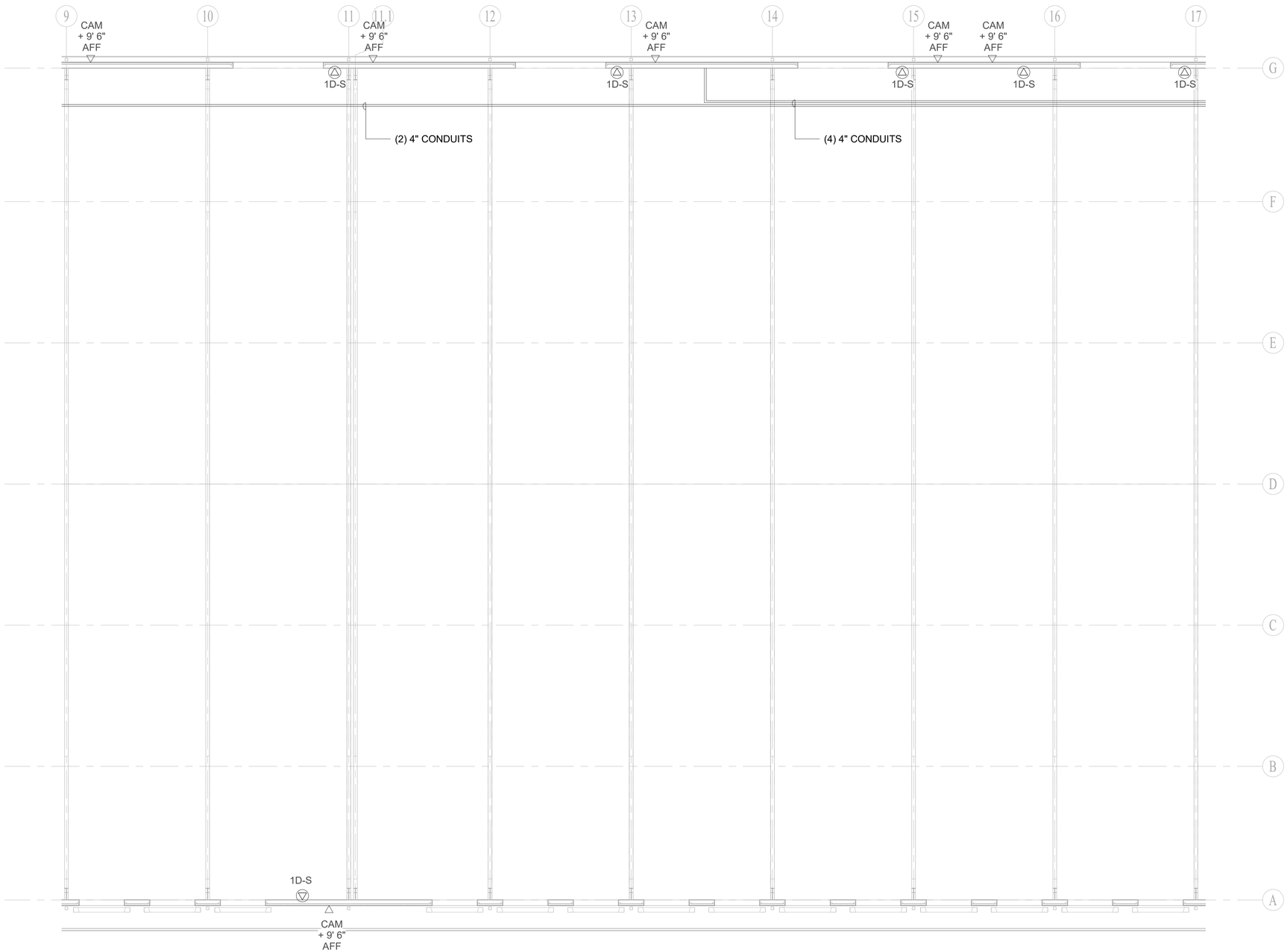
KEY MAP — A — SECTOR J3

DRAWING DESCRIPTION:

**TELECOM - AREA A REFLECTED CEILING PLAN**

SHEET NO.

**T-1-08**




1 TELECOM - REFLECTED CEILING PLAN - FIRST FLOOR AREA B
1" = 10'-0"

PLAN NORTH

0' 10' 20' 30' 40'

SCALE: 1"=10'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

GENERAL NOTES:

1. ALL DATA CABLING TO BE INSTALLED IN CONDUIT BACK TO THE NEAREST ACCESSIBLE CEILING.
2. ALL DEVICE CABLING WITHIN THE WAREHOUSE SPACE TO BE INSTALLED WITHIN CONDUIT.
3. IF HORIZONTAL PATHWAYS EXCEED 100' OR (2) 90 DEGREE BENDS CONTRACTOR SHALL INSTALL A PULL BOX.
4. IF BACKBONE PATHWAYS EXCEED 600' OR (2) 90 DEGREE BENDS CONTRACTOR SHALL INSTALL A PULL BOX.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Mark Bastford
REG. NO. 143116
EXPIRES 12-31-2021
RCDD


AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

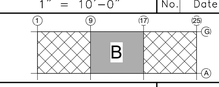
9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026 Permit Issue No:00000 AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | WL | | | | |
| CHECKED BY: | AM | | | | |
| COORD. CHECK: | MC | | | | |
| FILE NAME: L13189.026-T-1-09.dwg | | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | 1" = 10'-0" | No. | Date | Description | By |

KEY MAP



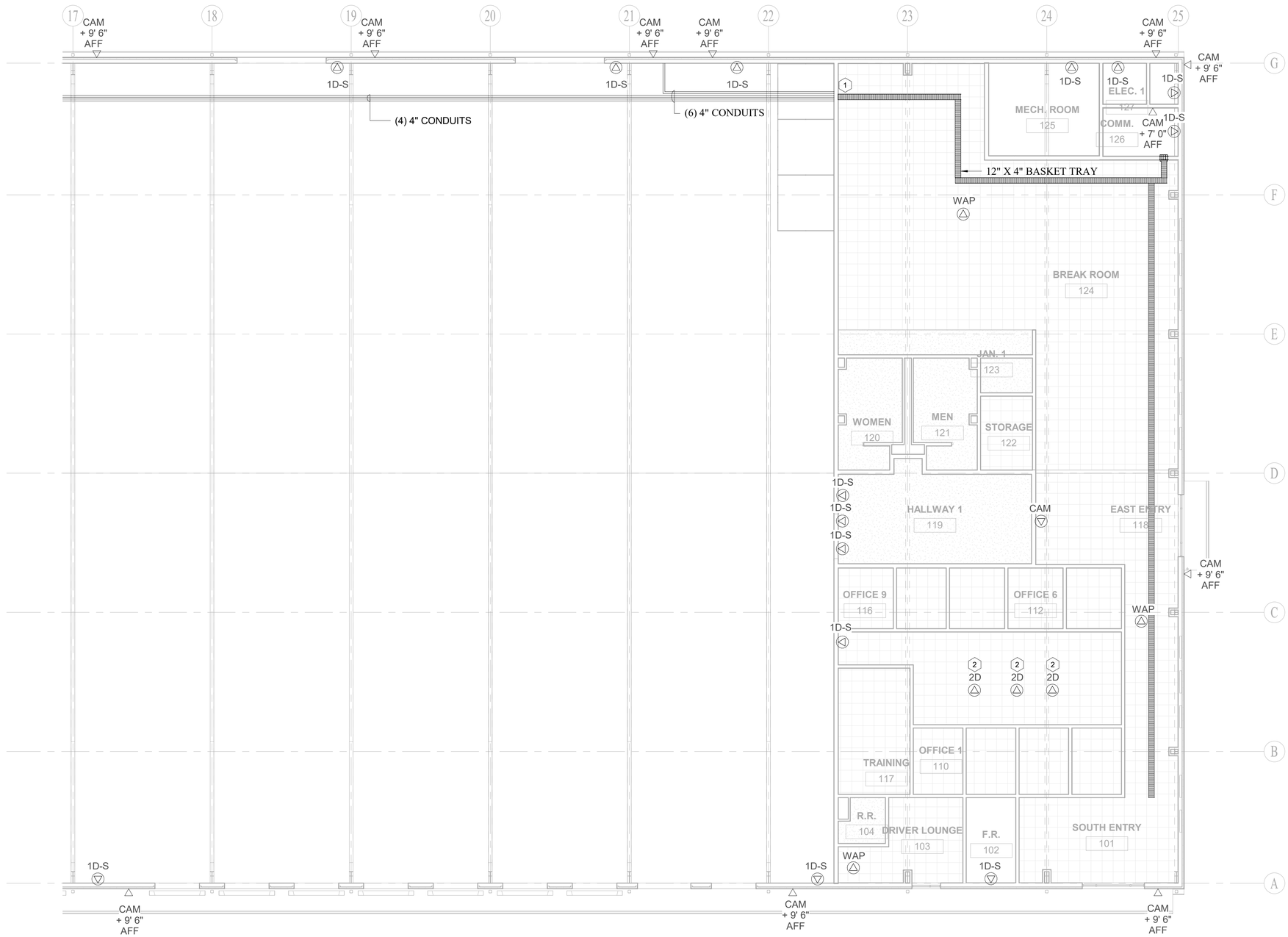

SECTOR J3

DRAWING DESCRIPTION:

**TELECOM - AREA B REFLECTED CEILING PLAN**

SHEET NO.

**T-1-09**




1 TELECOM - REFLECTED CEILING PLAN - FIRST FLOOR AREA C
1" = 10'-0"

PLAN NORTH

0' 10' 20' 30' 40'

SCALE: 1"=10'

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

GENERAL NOTES:

1. ALL DATA CABLING TO BE INSTALLED IN CONDUIT BACK TO THE NEAREST ACCESSIBLE CEILING.
2. ALL DEVICE CABLING WITHIN THE WAREHOUSE SPACE TO BE INSTALLED WITHIN CONDUIT.
3. IF HORIZONTAL PATHWAYS EXCEED 100' OR (2) 90 DEGREE BENDS CONTRACTOR SHALL INSTALL A PULL BOX.
4. IF BACKBONE PATHWAYS EXCEED 600' OR (2) 90 DEGREE BENDS CONTRACTOR SHALL INSTALL A PULL BOX.

SHEET NOTES

| | |
|---|---|
| 1 | CONDUITS TO ENTER PLENUM AND 90 DOWN WALL. END CONDUITS 2' ABOVE INTERSECTION WITH BASKET TRAY. |
| 2 | DATA TO BE ROUTED INTO FURNITURE AND TERMINATED AT FURNITURE WORKSTATION THROUGH POWER POLE. COORDINATE EXACT LOCATION WITH CONTRACTOR. |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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

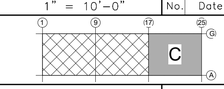
ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | |
|---|---|
| DRAWN BY: | WL |
| CHECKED BY: | AM |
| COORD. CHECK: | MC |
| FILE NAME: | L13189.026-T-1-10.dwg |
| DATE: | 02AUG21 |
| SCALE: | 1" = 10'-0" |

| No. | Date | Description | By |
|---|---|---|---|

KEY MAP



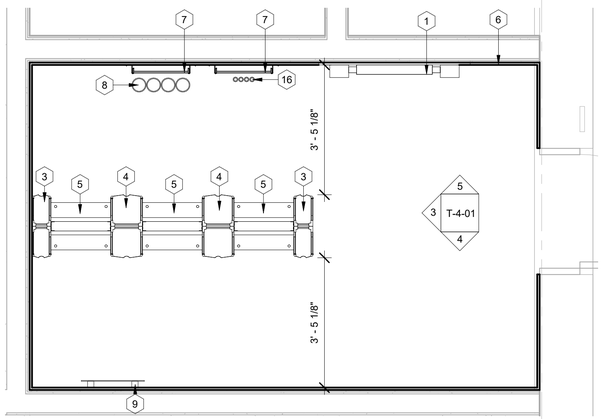

SECTOR J3

DRAWING DESCRIPTION:

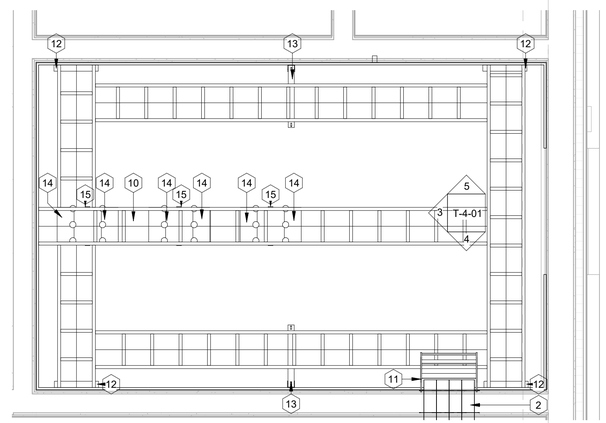
**TELECOM - AREA C REFLECTED CEILING PLAN**

SHEET NO.

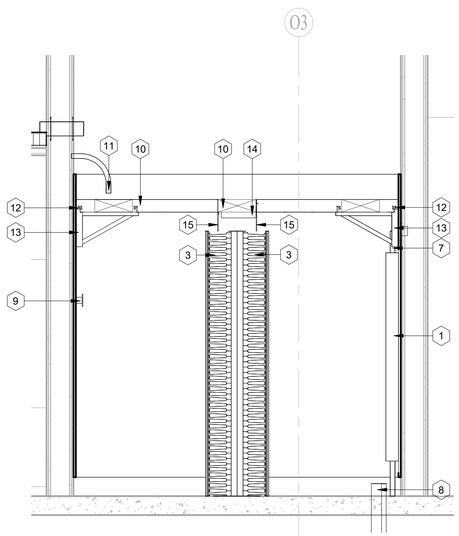
**T-1-10**



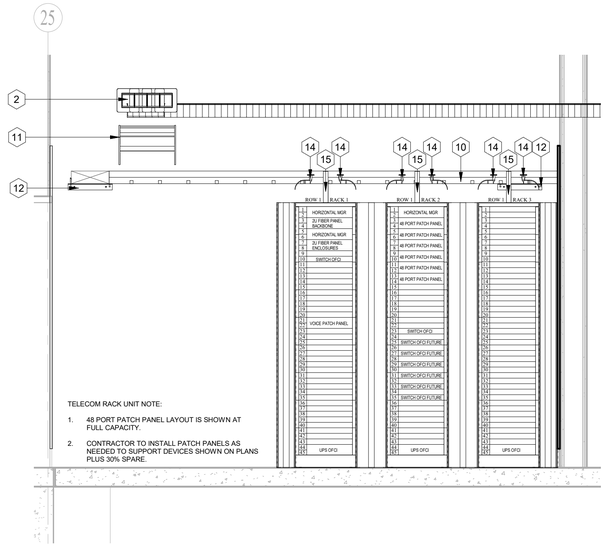

1 TELECOM ENLARGED PLAN - IDF 126
1/2" = 1'-0"



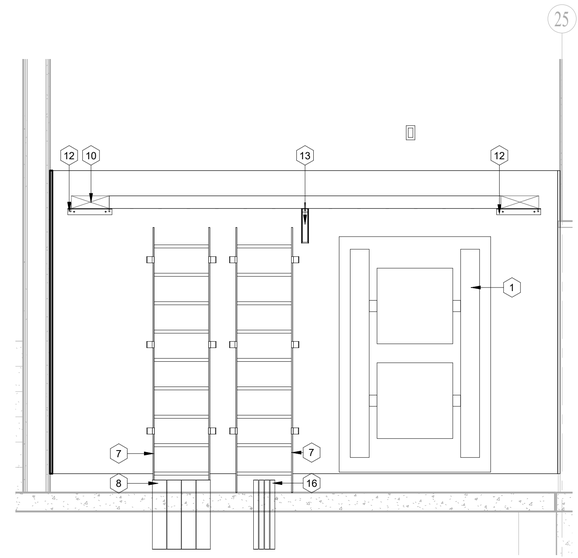

2 TELECOM ENLARGED PLAN - IDF 126 RCP
1/2" = 1'-0"



3 TELECOM ENLARGED PLAN - IDF ELEVATION - EAST
1/2" = 1'-0"




4 TELECOM ENLARGED PLAN - IDF ELEVATION - SOUTH
1/2" = 1'-0"



5 TELECOM ENLARGED PLAN - IDF ELEVATION - NORTH
1/2" = 1'-0"

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

GENERAL NOTES:

1. ABSOLUTELY NO OTHER MEP OR SERVICES SHALL BE INSTALLED WITHIN IDF ROOM THAT DO NOT SERVE THE IDF ROOM.

SHEET NOTES

| | |
|---|---|
| 1 | ACCESS CONTROL WALL FIELD. PROVIDE 120V/ 20A HARDWIRED ELECTRICAL OUTLET WITH DATA OUTLET. |
| 2 | (4) 4" EZPATHS WITH FRAME. |
| 3 | 6" VERTICAL WIRE MANAGER. |
| 4 | 10" VERTICAL WIRE MANAGER. |
| 5 | 19" EQUIPMENT RACK. PROVIDE DEDICATED 120V/20A QUAD ELECTRICAL OUTLET FOR EACH RACK ABOVE WIRE MANAGER BELOW LADDER TRAY. REFERENCE ELECTRICAL DRAWINGS FOR COORDINATION. |
| 6 | 3/4" FIRE RATED PLYWOOD INSTALLED 6" AFF TO 8-6" AFF AROUND ENTIRE ROOM. |
| 7 | 18" VERTICAL LADDER TRAY. |
| 8 | 4" CONDUIT OR SIZE AS INDICATED ON SITE PLAN. |
| 9 | TELECOMMUNICATIONS MAIN GROUND BUS BAR (TMGB) |
| 10 | 12" LADDER TRAY. |
| 11 | VERTICAL BEND RADIUS. |
| 12 | 12" WALL ANGLE BRACKET. |
| 13 | 18" TRIANGLE BRACKET. |
| 14 | RUNWAY RADIUS DROP |
| 15 | CABLE RUNWAY ELEVATION KIT |
| 16 | 1" CONDUIT |

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | WL | | | | |
| CHECKED BY: | AM | | | | |
| COORD. CHECK: | MC | | | | |
| FILE NAME: L13189.026-T-4-01.dwg | | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | 1/2" = 1'-0" | No. | Date | Description | By |

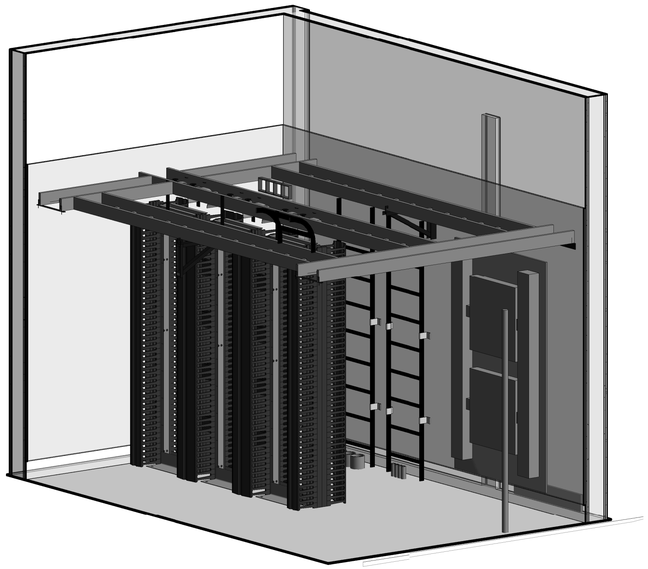
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**TELECOM - ENLARGED IDF**

SHEET NO.

**T-4-01**



1 TELECOM IDF ROOM ISO VIEW

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.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Austin-Bergstrom International Airport

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|---|---|---|---|---|
| DRAWN BY: | WL | | | |
| CHECKED BY: | AM | | | |
| COORD. CHECK: | MC | | | |
| FILE NAME: L13189.026-T-4-02.dwg | | | | |
| DATE: | 02AUG21 | | | |
| SCALE: | | No. | Date | Description | By |

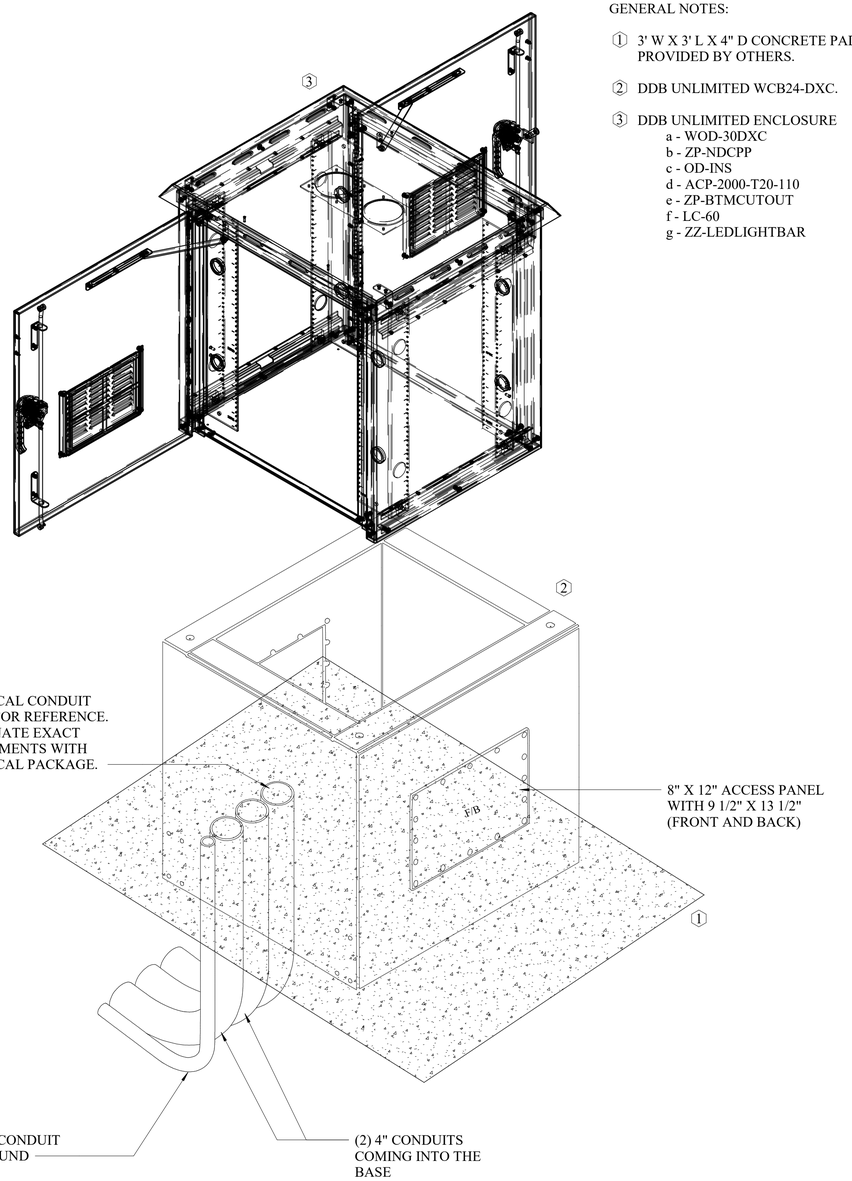
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**TELECOM - ENLARGED IDF**

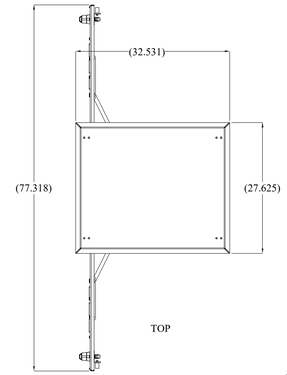
SHEET NO.

**T-4-02**

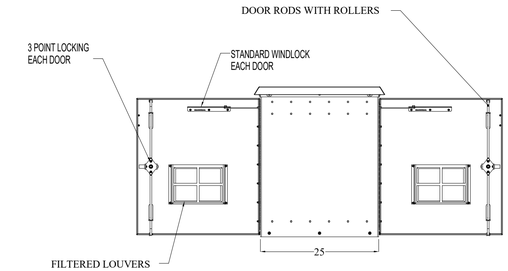



GENERAL NOTES:

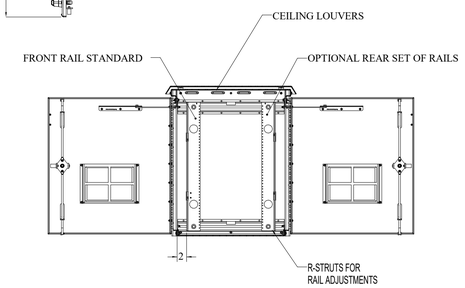
1. 3' W X 3' L X 4" D CONCRETE PAD PROVIDED BY OTHERS.
2. DDB UNLIMITED WCB24-DXC.
3. DDB UNLIMITED ENCLOSURE
   - a - WOD-30DXC
   - b - ZP-NDCPP
   - c - OD-INS
   - d - ACP-2000-T20-110
   - e - ZP-BTMCUTOUT
   - f - LC-60
   - g - ZZ-LEDLIGHTBAR

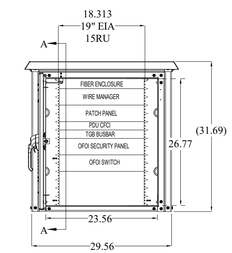



TOP

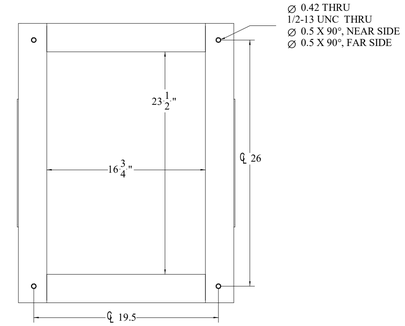


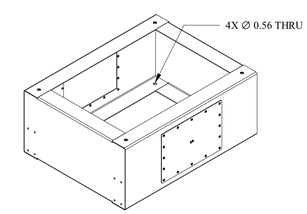

RIGHTSIDE

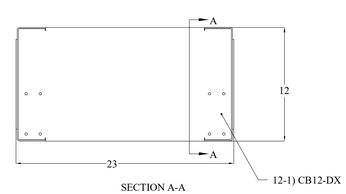


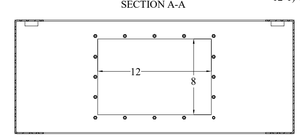

FRONT

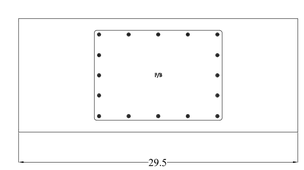



SECTION A-A




1 TELECOM ENCLOSURE DETAIL
N.T.S.

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | WL | | | | |
| CHECKED BY: | AM | | | | |
| COORD. CHECK: | MC | | | | |
| FILE NAME: | L13189.026-T-5-01.dwg | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | As indicated | No. | Date | Description | By |

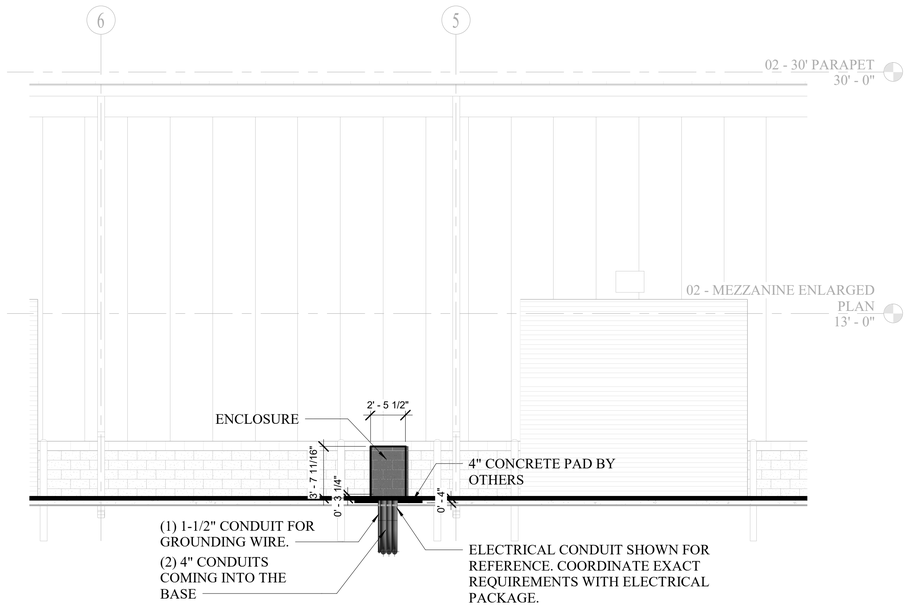
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

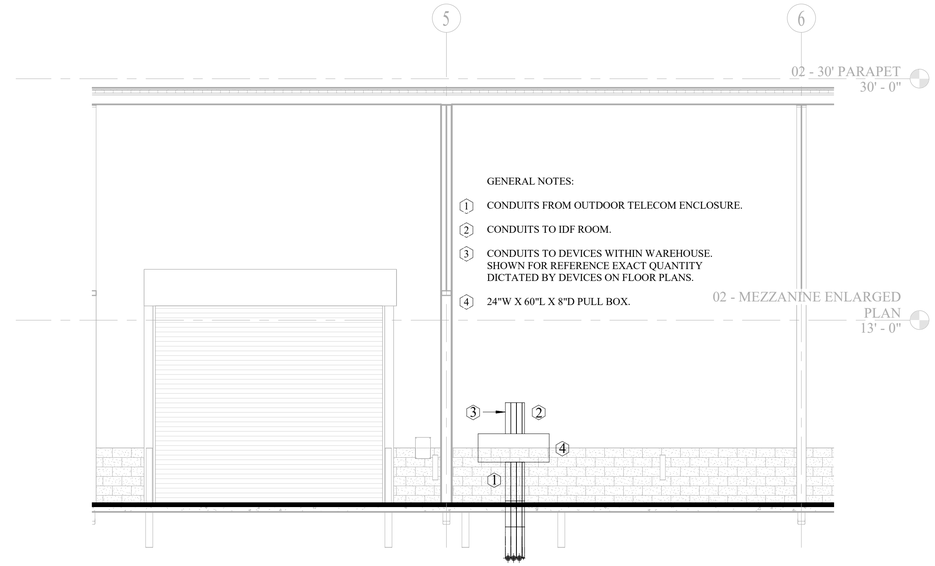
**TELECOM ENCLOSURE DETAILS**

SHEET NO.

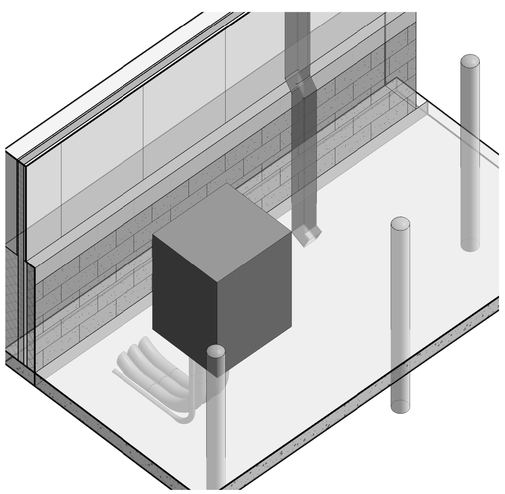
**T-5-01**



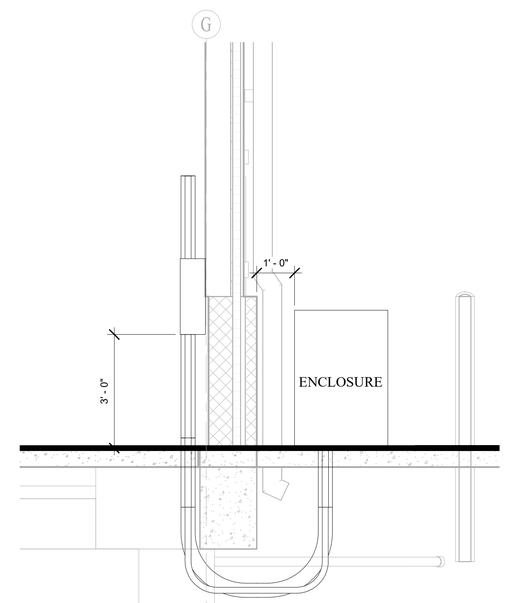

1 TELECOM EXTERIOR ELEVATION - ENCLOSURE AND CONDUIT (TYPICAL)
3/16" = 1'-0"




2 TELECOM INTERIOR ELEVATION - ENCLOSURE AND CONDUITS (TYPICAL)
3/16" = 1'-0"



3 ENCLOSURE CONDUITS




4 TELECOM SECTION - ENCLOSURE AND CONDUITS (TYPICAL)
1/2" = 1'-0"

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

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ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | |
|---|---|
| DRAWN BY: | WL |
| CHECKED BY: | AM |
| COORD. CHECK: | MC |
| FILE NAME: | L13189.026-T-5-02.dwg |
| DATE: | 02AUG21 |
| SCALE: | As indicated |

| No. | Date | Description | By |
|---|---|---|---|

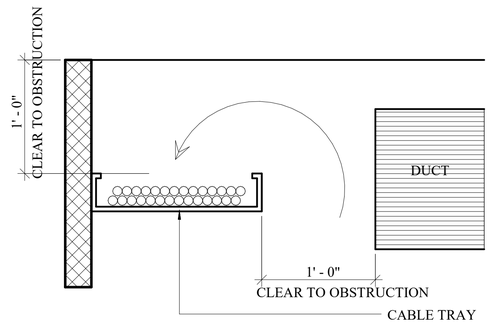
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

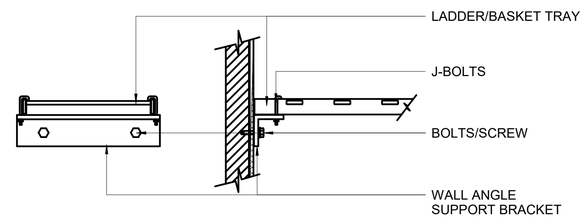
**TELECOM ENCLOSURE DETAILS**

SHEET NO.

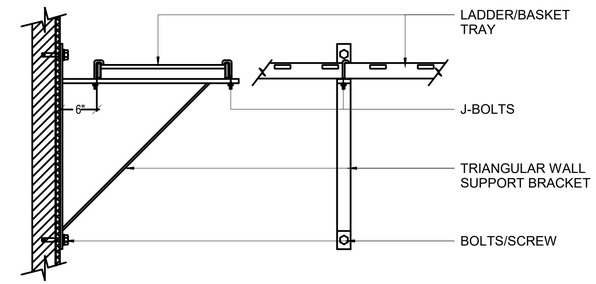
**T-5-02**




1 CABLE TRAY ACCESS
N.T.S.



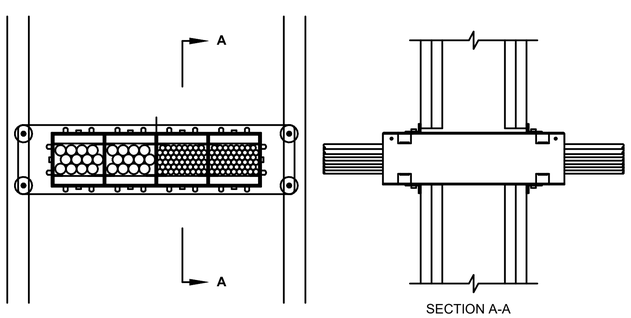

2 WALL ANGLE CABLE LADDER SUPPORT
N.T.S.



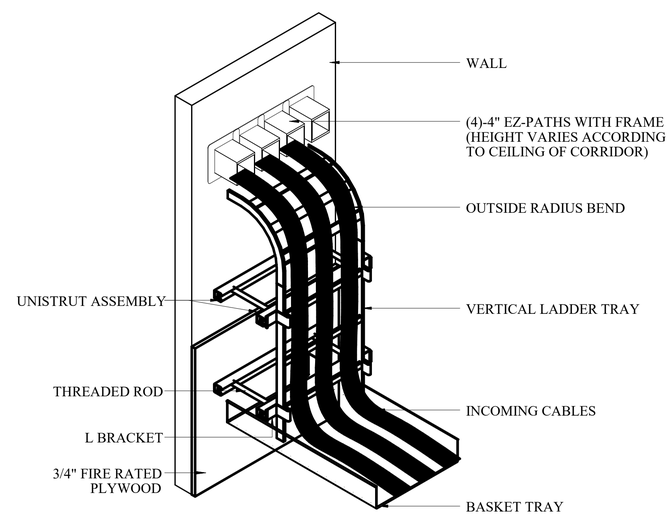

3 TRIANGULAR WALL SUPPORT BRACKET
N.T.S.

EZ-PATH FIRESTOP SYSTEMS

SIZED AS SHOWN ON DRAWINGS
F RATINGS - 1, 2, 3 AND 4 HR
T RATINGS - 3/4 AND 1 HR
L RATING AT AMBIENT - 4 OR 7 SCFM
L RATING AT 400F - 2 OR 3 SCFM




4 EX-PATH FIRESTOP SYSTEM
N.T.S.




5 INCOMING CABLE PATHWAY
N.T.S.

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

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| SCALE: | As indicated | No. | Date | Description | By |

KEY MAP SECTOR J3

DRAWING DESCRIPTION:

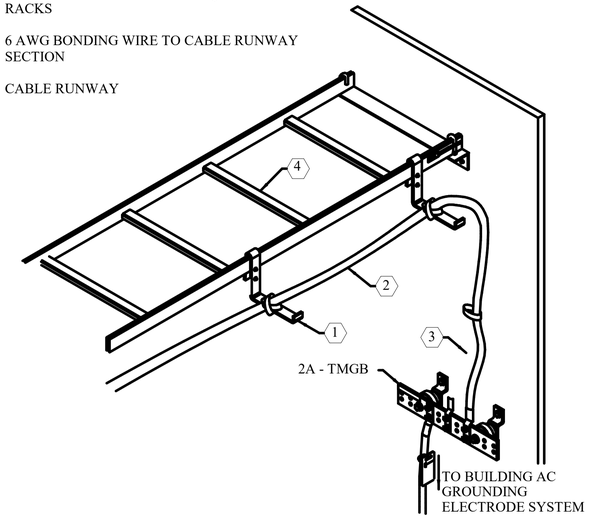
**TELECOM DETAILS**

SHEET NO.

**T-5-03**

KEYED NOTES:

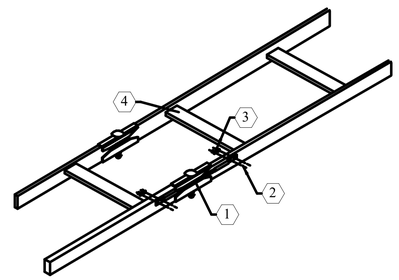
1. L-BRACKET
2. #2/0 BONDING WIRE RUN TO EQUIPMENT RACKS
3. 6 AWG BONDING WIRE TO CABLE RUNWAY SECTION
4. CABLE RUNWAY




## 1 TYPICAL TR GROUNDING SEGMENT DETAIL
N.T.S.

KEYED NOTES:

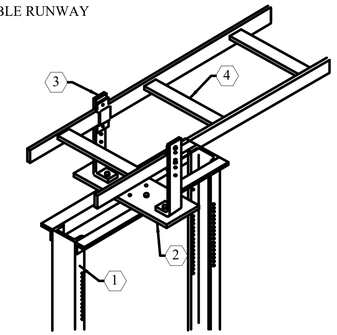
1. BONDING STRAP
2. BONDING HARDWARE - BOLT
3. BONDING HARDWARE - NUT
4. CABLE RUNWAY SECTION




## 2 TYPICAL CABLE RUNWAY - BUTT SPLICE W/GROUND STRAP
N.T.S.

KEYED NOTES:

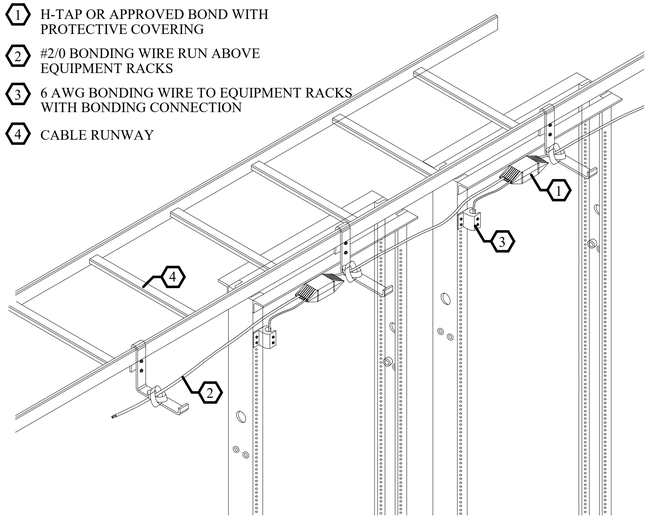
1. OPEN FRAME RELAY RACK
2. RACK-TO-RUNWAY TOP PLATE: SIZE PER CABLE RUNWAY SIZE
3. CABLE RUNWAY ELEVATION BRACKET: TYPICAL OF TWO PER KIT
4. CABLE RUNWAY




## 3 TYPICAL RACK - RUNWAY KIT ASSEMBLY
N.T.S.

KEYED NOTES:

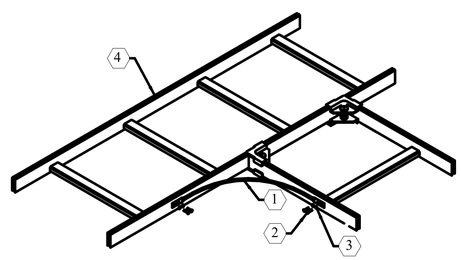
1. H-TAP OR APPROVED BOND WITH PROTECTIVE COVERING
2. #2/0 BONDING WIRE RUN ABOVE EQUIPMENT RACKS
3. 6 AWG BONDING WIRE TO EQUIPMENT RACKS WITH BONDING CONNECTION
4. CABLE RUNWAY




## 4 TYPICAL RACK SEGMENT GROUNDING DETAIL
N.T.S.

KEYED NOTES:

1. BONDING STRAP
2. BONDING HARDWARE - BOLT
3. BONDING HARDWARE - NUT
4. CABLE RUNWAY




## 5 TYPICAL CABLE RUNWAY - JUNCTION SPLICE W/GROUND STRAP
N.T.S.

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.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KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**TELECOM DETAILS**

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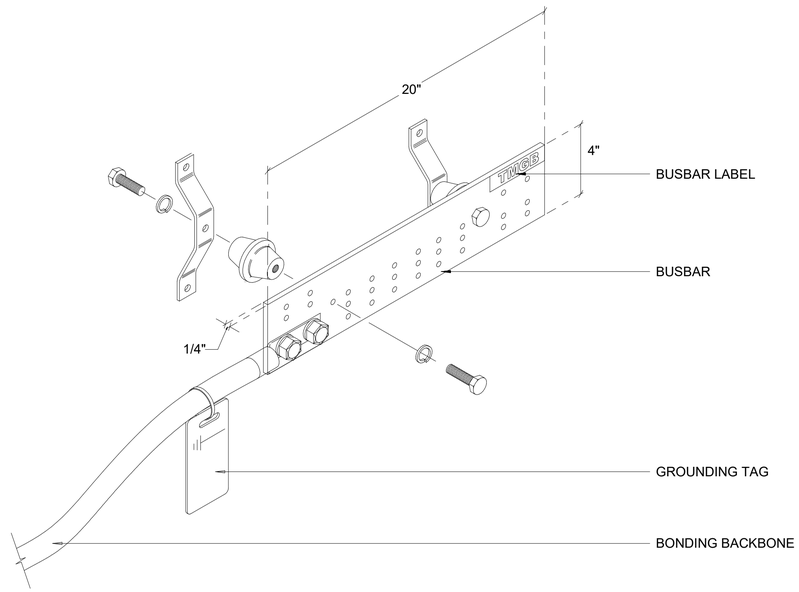
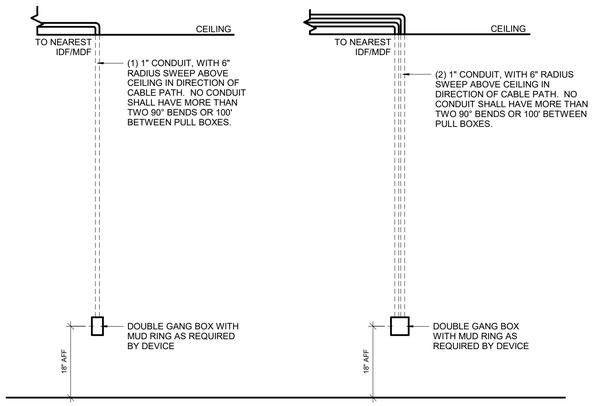
**T-5-04**




1 TELECOMMUNICATIONS GROUND BUSBAR (TGB)
N.T.S.




2 DATA OUTLET ROUGH IN
N.T.S.

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KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**TELECOM DETAILS**

SHEET NO.

**T-5-05**

# GENERAL NOTES:

1. THE WORK DETAILED BY THE AUDIO-VISUAL DRAWINGS AND SPECIFICATIONS HAS BEEN SPECIFIED TO TO MEET CERTAIN REQUIREMENTS FOR PERFORMANCE. SOME INFORMATION SUCH AS EXACT EQUIPMENT MODELS, LAYOUTS, WIRE ROUTING, ADDITIONAL CONDUIT AND POWER REQUIREMENTS, ETC HAVE BEEN OMITTED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO TRANSLATE THESE DRAWINGS AND SPECIFICATIONS INTO A COMPLETE DESIGN PACKAGE CONTAINING ALL NECESSARY ELEMENTS FOR A COMPLETE TURNKEY INSTALLATION INCLUDING ALL EQUIPMENT, LABOR, WARRANTIES, SHIPPING AND PERMITS. CONTRACTOR SHALL PROVIDE A SYSTEM THAT OPERATES ACCORDING TO THE SPECIFICATIONS IN THE SCOPE OF WORK.
2. THE ARCHITECTURAL PLANS AND SPECIFICATIONS, GENERAL CONDITIONS, SUPPLEMENTARY GENERAL CONDITIONS AND OTHER REQUIREMENTS OF DIVISION 1. THE MECHANICAL, ELECTRICAL, COMMUNICATIONS AND SECURITY PLANS AND SPECIFICATIONS MAY APPLY TO THE WORK SPECIFIED.
3. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE PREMISES TO DETERMINE THE EXTENT OF WORK AND CONDITION UNDER WHICH IT WILL BE DONE. REVIEW AND VERIFY CONTRACT DOCUMENTS IN RELATION TO FIELD CONDITIONS TO VERIFY ACCURACY CONFIRMING WITH THE OWNER OR THEIR DESIGNATED REPRESENTATIVE THAT THE WORK HAS BEEN COMPLETED PRIOR TO PROCEEDING WITH INSTALLATION. REGARDING ANY PROJECT RELATED QUESTIONS, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CLARIFICATIONS FROM THE OWNER OR THEIR DESIGNATED REPRESENTATIVE PRIOR TO PROCEEDING WITH THE WORK OR RELATED WORK IN QUESTION.
4. SHOULD THERE BE CONFLICT BETWEEN THE AV DOCUMENTS THE MOST STRINGENT SPECIFICATION SHALL APPLY.
5. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS MUST BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNER OR THEIR DESIGNATED REPRESNTATIVE FOR CLARIFICATION.
6. THE CONTRACTOR SHALL OBTAIN THE OWNER'S PERMISSION PRIOR TO PROCEEDING WITH ANY WORK NECESSITATING CUTTING/DRILLING INTO OR THROUGH ANY PART OF BUILDING STRUCTURES SUCH AS GIRDERS, BEAMS, CONCRETE OR TILE FLOOR, PARTITIONS AND/OR CEILINGS.
7. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH TA DRAWINGS AND SPECIFICATIONS FOR ALL AV CONDUIT, BACKBOXES AND ELECTRICAL REQUIREMENTS.
8. THE CONTRACTOR IS REQUIRED TO PROPERLY FIRE-STOP ANY CORES UTILIZED FOR THE PLACEMENT OF COMMUNICATIONS CABLING WITH APPROVED FIRE-STOPPING COMPOUND IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL CODES.
9. ELECTRICAL CONTRACTOR SHALL READ IN THEIR ENTIRETY ALL SECTIONS OF THE AUDIO VISUAL SYSTEM DOCUMENTS AND APPLY THEM AS APPROPRIATE FOR WORK IN THIS SECTIONS AND TA DRAWINGS.
10. CONTRACTOR SHALL NOTE AND REPORT TO GC WORK PERFORMED OR NOT PERFORMED BY CONTRACTOR FOR THE AUDIO VISUAL SYSTEM WHICH DOES NOT COMPLY WITH THE COMMUNICATIONS SPECIFICATIONS AND DRAWINGS AND THE ELECTRICAL SPECIFICATIONS AND DRAWINGS WHICH ARE INTENDED FOR COMMUNICATIONS SYSTEM COMPONENTS.
11. CONTRACTOR SHALL TAKE NECESSARY MEANS TO ASSURE AUDIO VISUAL SYSTEM COMPONENTS ARE ARE PROTECTED FROM MECHANICAL DAMAGE BEFORE, DURING AND AFTER CONSTRUCTION.
12. GENERAL CONTRACTOR TO PROVIDE WALL BLOCKING AND BRACING TO SUPPORT EACH FLAT SCREEN DISPLAYS ("XX" FPD) WITH A SAFETY FACTOR OF 5 TIMES THE LOAD WEIGHT.
13. CONTRACTOR SHALL PROVIDE COOLING FANS AT EACH AV EQUIPMENT RACK TO MAINTAIN PROPER THERMAL MANAGEMENT AND OPERATING TERMPERATURE INSIDE THE ENCLOSURE.
14. CONTRACTOR TO COORDINATE FINAL LOCATION AND COLOR OF ALL AV EQUIPMENT.
15. ELECTRICAL CONTRACTOR TO COORDINATE WITH TA DRAWINGS AND SPECIFICATIONS FOR ALL AV CONDUIT, BACKBOXES AND ELECTRICAL REQUIREMENTS.

# ELECTRICAL:

1. FOR SPECIFIC POWER AND RECEPTACLE REQUIREMENTS IN THE PROJECT REFERENCE ELECTRICAL SPECIFICATIONS AND DRAWINGS AND VERIFY WITH COMMUNICATION SPECIFICATIONS AND DRAWINGS. REPORT TO GC DISCREPANICIES PRIOR TO PURCHASE OR INSTALLATION.
2. CONDUITS TO AV WALL BOXES SHALL BE A MINIMUM OF 1.25" T.S., UNLESS OTHERWISE NOTED, AND SHALL BE COMPLETE WITH NYLON PULL STRING.
3. CONDUITS SHALL HAVE A NYLON BUSHING INSTALLED ON EXPOSED ENDS AND STUBBED OUT INTO ACCESSIBLE CEILING SPACE 6" A MINIMUM OF TWO INCHES ABOVE DROP CEILING UNLESS OTHERWISE NOTED ON THE AV PLANS.
4. PENETRATION THROUGH OR INTO FIREWALLS SHALL USE AN APPROPRIATE EZ-PATH PRODUCT.
5. BACK BOXES INSTALLED FOR AUDIO VISUAL WIRING SHALL BE 3.5" DEEP BOXES. THESE BOXES SHALL BE SEPARATE FROM ELECTRICAL JUNCTION BOXES AND BE EXCLUSIVELY FOR AUDIOVISUAL.
6. MUD RINGS SHALL BE INSTALLED ON ALL AUDIOVISUAL WALL BOXES.
7. CONDUITS SHALL HAVE CONNECTORS, PROTECTIVE BUSHINGS, PULL STRINGS AND SHALL BE GROUNDED.
8. CONDUIT RUNS SHALL BE INSTALLED WITH NO MORE THAN TWO (2) 90 DEGREE BENDS AND NOT EXCEED 100 FEET. IF THESE CONDITIONS CAN NOT BE MET A J-BOX MUST BE PLACED IN THE RUN WITH THE ABILITY TO ACCESS BOX THROUGH THE CEILING.

# AUDIOVISUAL PATHWAY:

1. OUTLET FACEPLATES MUST BE LABELED IN ACCORDANCE WITH OWNER'S LABELING STANDARDS.
2. BACK BOXES INSTALLED FOR AUDIO VISUAL WIRING SHALL BE 3.5" DEEP BOXES. THESE BOXES SHALL BE SEPARATE FROM ELECTRICAL JUNCTION BOXES AND BE EXCLUSIVELY FOR AUDIOVISUAL.
3. MUD RINGS SHALL BE INSTALLED ON ALL AUDIOVISUAL WALL BOXES.
4. CONDUITS TO COMMUNICATION WALL BOXES SHALL BE A MINIMUM OF ONE IN. (1.25") IN DIAMETER AND SHALL BE COMPLETE WITH NYLON PULL STRING.
5. FURNISH AND INSTALL CABLE MANAGEMENT DEVICES (VELCRO WRAPS, ETC.) AND MOUNTING HARDWARE, AND CABLE SADDLES AS SADDLES AS REQUIRED. (UNLESS SPECIFIED INSTALLATION BY ELECTRICAL CONTRACTOR).
6. CONDUIT RUNS SHALL BE INSTALLED WITH NO MORE THAN TWO (2) 90 DEG. BENDS AND NOT EXCEED 100 FEET. IF THESE CONDITIONS CAN NOT BE MET, A J-BOX MUST BE PLACED IN THE RUN, WITH THE ABILITY TO ACCESS BOX THROUGH THE CEILING.
7. CONDUITS SHALL HAVE CONNECTORS, PROTECTIVE BUSHINGS, PULL STRINGS AND SHALL BE GROUNDED.

# COORDINATION NOTES:

1. ALL AV DISPLAYS, REQUIRE POWER AND DATA CONNECTIVITY. COORDINATE WITH IT AND ELECTRICAL CONTRACTORS.
2. CONTRACTOR TO COORDINATE WITH ELECTRICAL DRAWINGS FOR ALL AV CONDUIT, BACKBOXES AND ELECTRICAL CIRCUITS.
3. ELECTRICAL CONTRACTOR SHALL READ IN THEIR ENTIRETY ALL SECTIONS OF THE AUDIO VISUAL SYSTEM DOCUMENT AND APPLY THEM AS APPROPRIATE FOR WORK IN THIS SECTION AND TA DRAWINGS.
4. AV CONTRACTOR SHALL COORDINATE ALL AV DEVICE FINISHES WITH ARCHITECT.
5. AV CONTRACTOR SHALL COORDINATE AV DEVICE LOCATIONS WITH ARCHITECT.
6. ELECTRICIAN SHALL COORDINATE ROUGH-IN LOCATION FOR AV RELATED DEVICES WITH AV CONTRACTOR.
7. ELECTRICIAN TO PROVIDE ALL AV ROUGH-IN (CONDUITS, BACKBOXES FLOOR BOXES, ETC.)
8. AIRPORT POLICE UNIT (APU) BUILDING 11 WILL HAVE OFCI DISPLAYS AND MOUNTS IN CONFERENCE L133 AND SHOW UP L111. ALL OTHER AV DEVICES AND CABLING WILL BE PROVIDED OUTISDE OF PROJECT SCOPE AND CONTRACT. ALL INFRASTRUCTURE, (INCLUDING, BUT NOT LIMITED TO POWER, DATA, BACK BOXES, FLOOR BOXES AND, CONDUIT) WILL BE PROVIDED BY THE PROJECT.

# AUDIOVISUAL CABLE:

1. OUTLET FACEPLATES MUST BE ENGRAVED IN ACCORDANCE WITH CONFIRMED CUSTOMER IDENTIFICATION STANDARDS.
2. FURNISH AND INSTALL CABLE MANAGEMENT DEVICES (VELCRO WRAPS, ETC.) AND MOUNTING HARDWARE AND CABLE SADDLES AS REQUIRED. (UNLESS SPECIFIED FOR INSTALLATION BY ELECTRICAL CONTRACTOR).
3. CONTRACTOR TO PROVIDE PROPER RATED CABLE TYPE PER INSTALLATION TYPE OSP, RISER OR PLENUM.
4. ALL CABLING INSTALLED UNDERGROUND IN CONCRETE SLABS, IN DIRECT CONTACT WITH THE EARTH, LOCATIONS SUBJECT TO SATURATION WITH LIQUIDS AND UNPROTECTED LOCATIONS EXPOSED TO WEATHER OR WET LOCATIONS SHALL BE CONSTRUCTED WITH APPROPRIATE WEATHER PROOFING. LOCATIONS THAT EXCEED CABLE SPECIFICATION DISTANCE LIMIATIONS SHALL ALSO BE PROVIDED WITH MEDIA TRANSMITTERS AND RECEIVERS OR OTHER EXTENSION EQUIPMENT AS REQUIRED.
5. CONTRACTOR TO PROVIDE LACING BARS TO RESTRAIN CABLES AND TO PREVENT STRAINING CONNECTIONS.
6. PROVIDE ALL NECESSARY MEANS TO PROTECT ALL AV CABLES, JACKS/PORTS FROM MECHANICAL DAMAGE AND DUST DURING CONSTRUCTION.
7. AUDIOVISUAL CABLE & CONNECTORS SHALL NOT BE PAINTED.
8. CONTRACTOR TO PROVIDE SELF-ADHESIVE VINYL OR VINYL-CLOTH WRAPAROUND TAPE MARKERS, MACHINE PRINTED WITH ALPHA NUMERIC CABLE DESIGNATIONS PER ANSI/TIA-607B STANDARDS WITH FORMATTING APPROVAL FROM OWNER.
9. CAT 6 CABLING ASSOCIATED WITH INTERNAL CABLING OF THE AV SYSTEM THAT ARE POINT-TO-POINT, OR TERMINATE IN AN AUXILIARY SUPPORT ROOM (IE. VIDEO CONTROL) SHALL BE YELLOW IN COLOR TO DIFFERENTIATE FROM TELECOM'S HORIZONTAL STATION CAT 6 CABLE. THE YELLOW COLORED CAT 6 CABLE REQUIREMENTS APPLIES TO AV INTERNAL CABLES AND NOT TO TELECOM HORIZONTAL STATION CAT 6 CABLES THAT TERMINATE IN THE MDF OR IDF.
10. ALL CABLES PATHWAYS SHALL BE SUPPORTED BY CABLE HANGERS AND SUPPORT DISTANCE SHALL NOT EXCEED 5 FEET.
11. PROVIDE SERVICE LOOP OF 10 FEET ON BOTH ENDS OF THE CABLE NEATLY BUNDLED IN THE CEILING.

# AUDIOVISUAL SYMBOLS:

| | |
|---|---|
| "XX" FPD | OFCI FLAT SCREEN DISPLAY AND MOUNT. PROVIDE (2) DATA AND BACKBOX UNLESS OTHERWISE NOTED. SEE MOUNTING DETAIL FOR LAYOUT. ELECTRICAL TO PROVIDE (1) 120VAC 20A DUPLEX OUTLET IN BACKBOX. |
| FB | FLOOR BOX FOR AV, TELECOM AND POWER. PROVIDE CONDUIT FOR TELECOM AND (2) 1-1/4" T.S. CONDUIT FROM A/V SECTION TO STUB UP IN ACCESSIBLE CEILING. SEE FLOORBOX INFRASTRUCTURE DETAIL DRAWING. PROVIDE (1) HDMI FEMALE INPUT TERMINATED AT FLOOR BOX AND ROUTE CABLING TO WALLPLATE LOCATED BEHIND ASSOCIATED ROOM DISPLAY. TERMINATE HDMI TO WALLPLATE BEHIND DISPLAY. |

# AUDIOVISUAL DRAWINGS:

| | |
|---|---|
| TA-0-01 | AUDIO VISUAL INDEX |
| TA-1-01 | AUDIO VISUAL - FIRST FLOOR PLAN |
| TA-1-02 | AUDIO VISUAL - AREA C FLOOR PLAN |
| TA-5-01 | AUDIO VISUAL FLAT PANEL DISPLAY DETAILS |
| TA-5-02 | AUDIO VISUAL FLOOR PENETRATION DETAILS |
| TA-8-01 | AUDIO VISUAL SCHEMATICS |

# ABBREVIATIONS:

| | |
|---|---|
| ADA | AMERICANS WITH DISABILITIES ACT |
| AFF | ABOVE FINISHED FLOOR |
| ARCH | ARCHITECT/ARCHITECTURE |
| AV | AUDIOVISUAL |
| CAT6 | CATEGORY 6 CABLE |
| CATV | COMMUNITY ANTENNA TELEVISION |
| CFCI | CONTRACTOR FURNISHED, CONTRACTOR INSTALLED |
| dB | DECIBLE |
| EG | FOR EXAMPLE (EXEMPLI GRATIA) |
| ELECT | ELECTRICAL |
| ETC | ETCETERA |
| EXST | EXISTING |
| FUT | FUTURE |
| GC | GENERAL CONTRACTOR |
| GYP | GYPSUM BOARD |
| I/O | INFORMATION OUTLET (INPUT/OUTPUT) |
| LAN | LOCAL AREA NETWORK |
| MC | MAIN CROSS CONNECT |
| MDF | MAIN DISTRIBUTION FRAME |
| MEP | MECHANICAL, ELECTRICAL & PLUMBING |
| N/A | NOT APPLICABLE |
| NEC | NATIONAL ELECTRIC CODE |
| NIC | NOT IN CONTRACT |
| NTS | NOT TO SCALE |
| OC | ON CENTER |
| OFCI | OWNER FURNISHED CONTRACTOR INSTALLED |
| OFOI | OWNER FURNISHED OWNER INSTALLED |
| OFE | OWNER FURNISHED EQUIPMENT |
| RCP | REFLECTED CEILING PLAN |
| RF | RADIO FREQUENCY |
| STP | SHIELDED TWISTED PAIR |
| T.S. | TRADE SIZE |
| TVSS | TRANSIENT VOLTAGE SURGE SUPPRESSOr |
| TYP | TYPICAL |
| UON | UNLESS OTHERWISE NOTED |
| UTP | UNSHIELDED TWISTED PAIR |
| UPS | UNINTERRUPTED POWER SUPPLY |
| VIF | VERIFY IN FIELD |
| WP | WATER PROOF |

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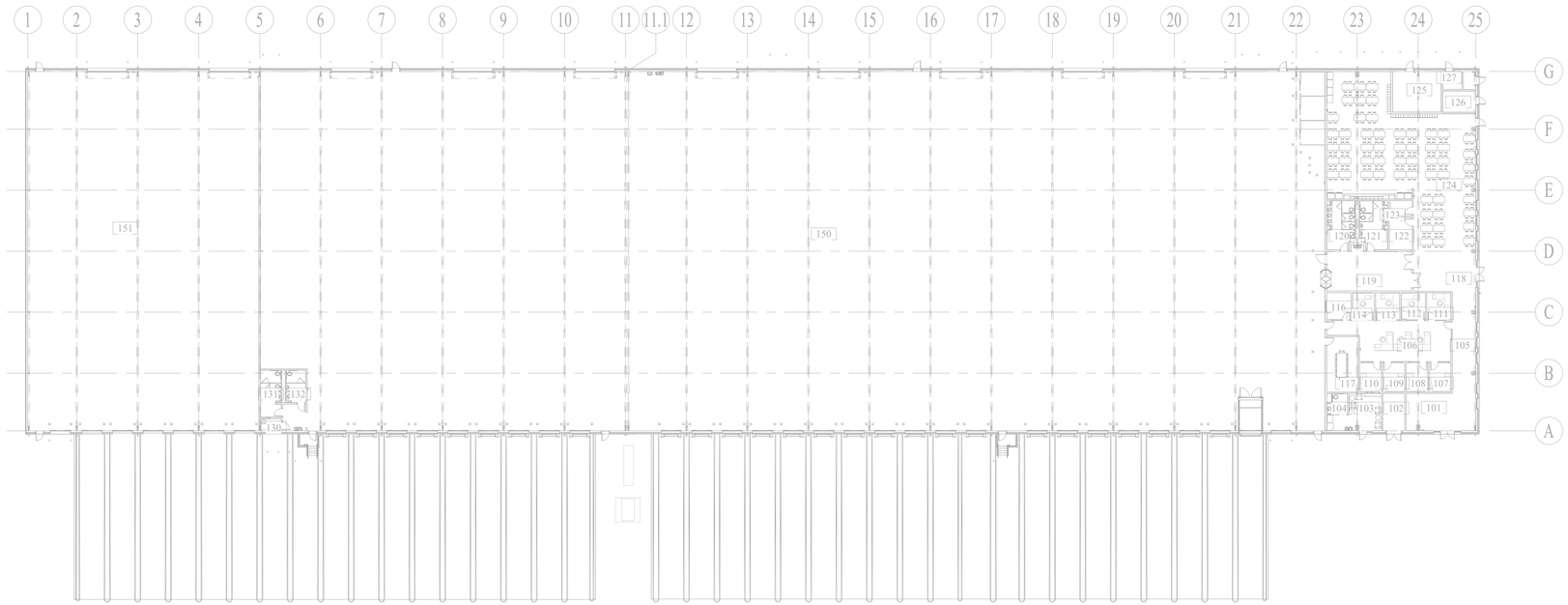
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**AUDIO VISUAL INDEX**

SHEET NO.

**TA-0-01**




1 AUDIO VISUAL - FLOOR PLAN - FIRST FLOOR OVERALL
1" = 30'-0"

PLAN NORTH

0' 30' 60' 90' 120'

SCALE: 1"=30'

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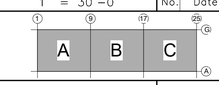
| SCALE: | 1" = 30'-0" | No. | Date | Description | By |

KEY MAP



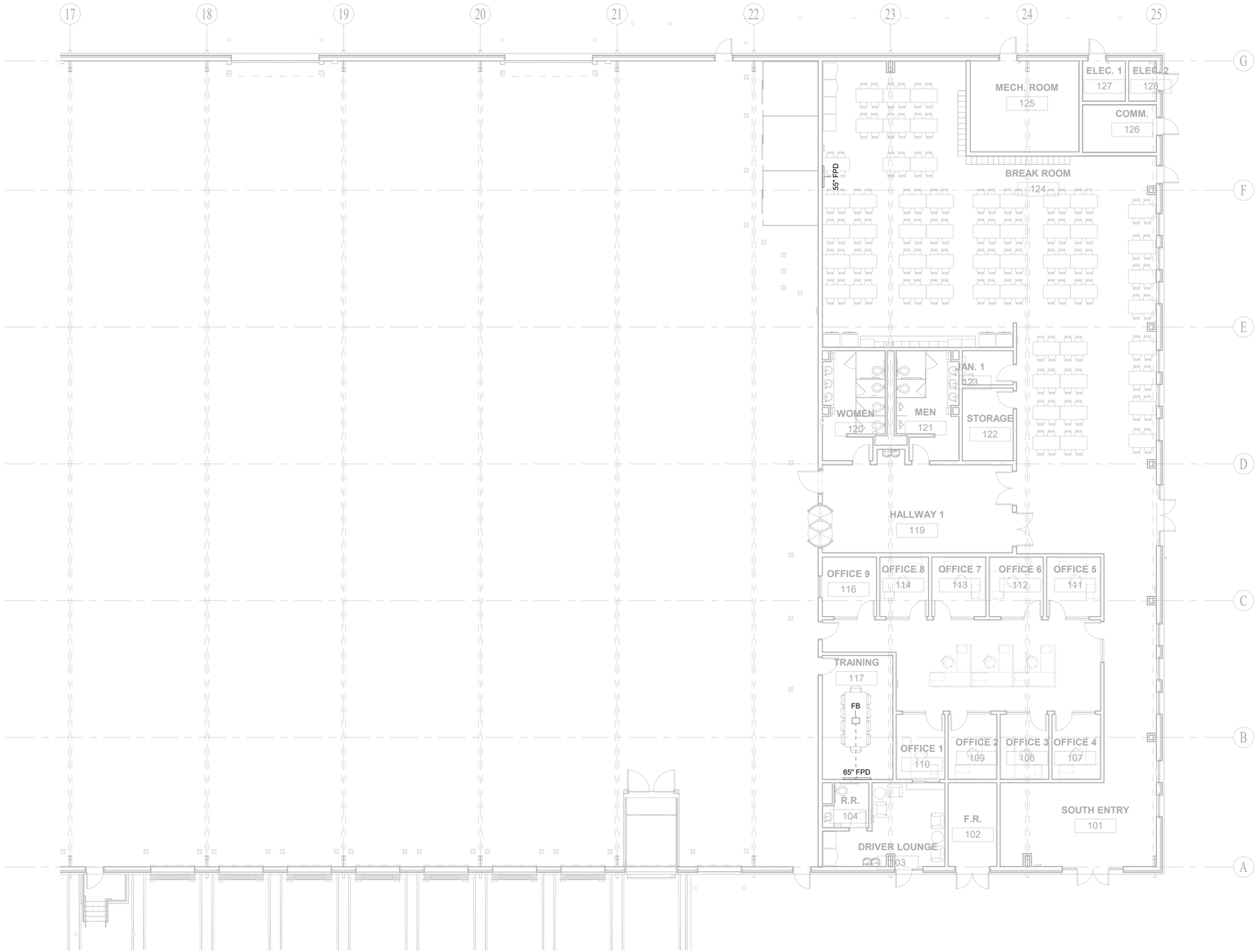

SECTOR J3

DRAWING DESCRIPTION:

## AUDIO VISUAL - FIRST FLOOR PLAN

SHEET NO.

**TA-1-01**




1 AUDIO VISUAL - FLOOR PLAN - FIRST FLOOR AREA C
1" = 10'-0"

PLAN NORTH

0' 10' 20' 30' 40'

SCALE: 1"=10'

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AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

# AUS CARGO DEVELOPMENT EAST

9402 FREIGHT LN. AUSTIN, TX. 78719

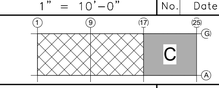
ABIA Project No:L13189.026|Permit Issue No.:00000|AIP/CNos.: 0-00-0000-00-00

Austin-Bergstrom International Airport

| | |
|---|---|
| DRAWN BY: | WL |
| CHECKED BY: | AM |
| COORD. CHECK: | MC |
| FILE NAME: | L13189.026-TA-1-02.dwg |
| DATE: | 02AUG21 |
| SCALE: | 1" = 10'-0" |

| No. | Date | Description | By |
|---|---|---|---|

KEY MAP



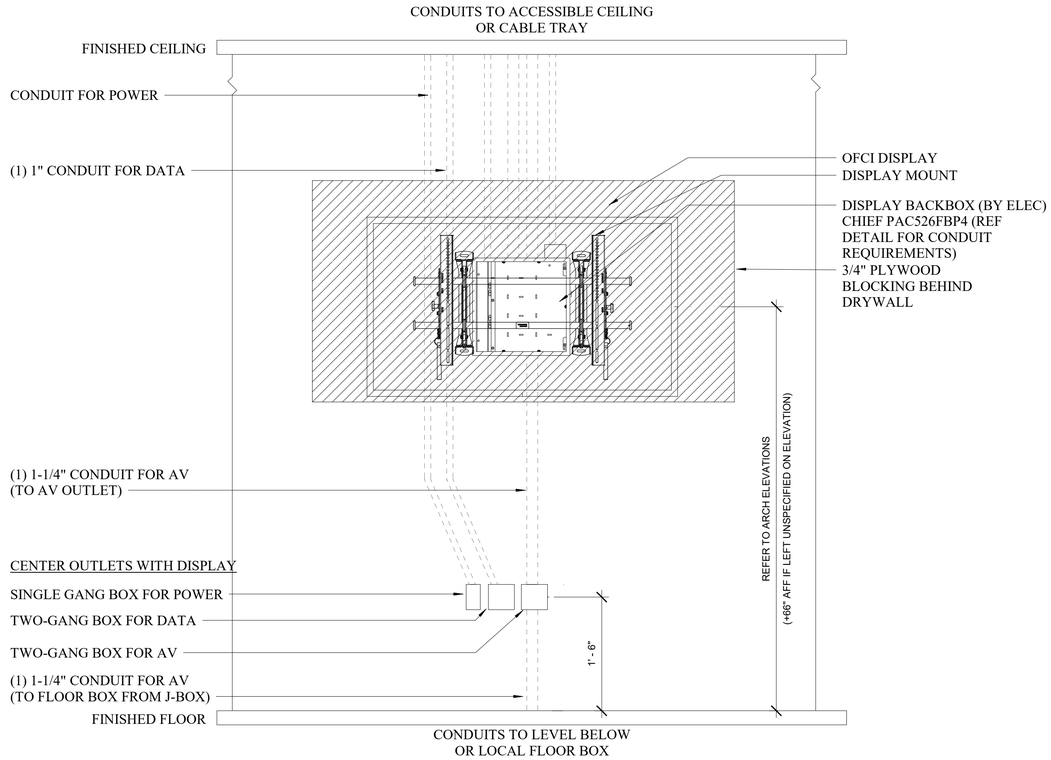

SECTOR J3

DRAWING DESCRIPTION:

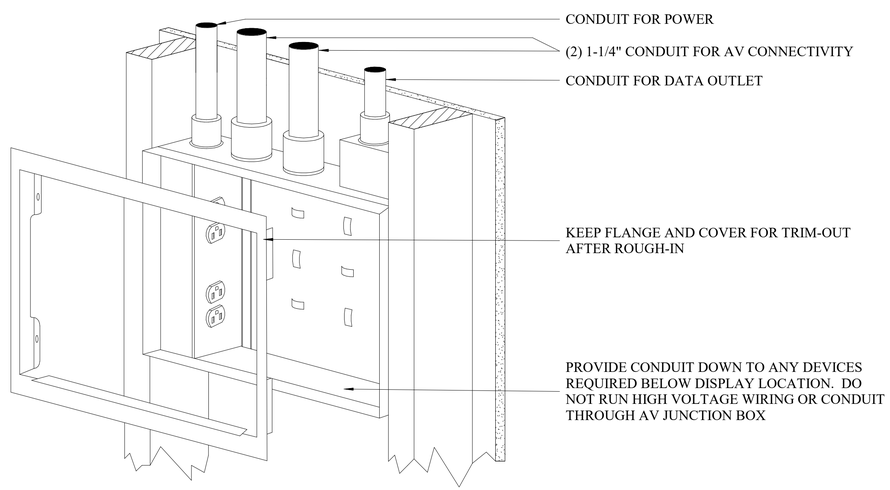
**AUDIO VISUAL - AREA C FLOOR PLAN**

SHEET NO.

**TA-1-02**




1 OFCI FPD (FLAT PANEL DISPLAY) WITH CONVENIENCE OUTLETS
N.T.S.




2 CHIEF PAC526FWP4 ROUGH-IN
N.T.S.

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

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REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
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| FILE NAME: L13189.026-TA-5-01.dwg | | | | | |
| DATE: | 02AUG21 | | | | |
| SCALE: | As indicated | No. | Date | Description | By |

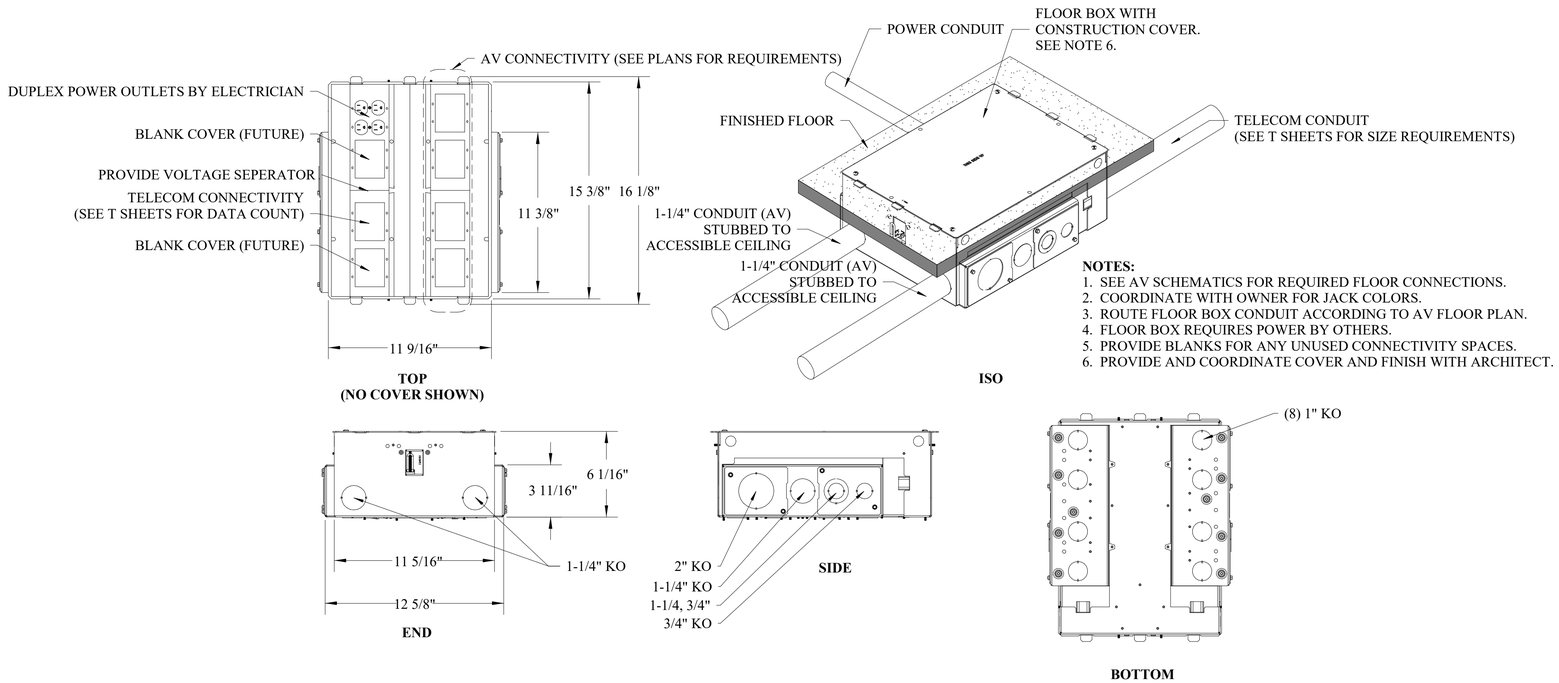
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

**AUDIO VISUAL FLAT PANEL DISPLAY DETAILS**

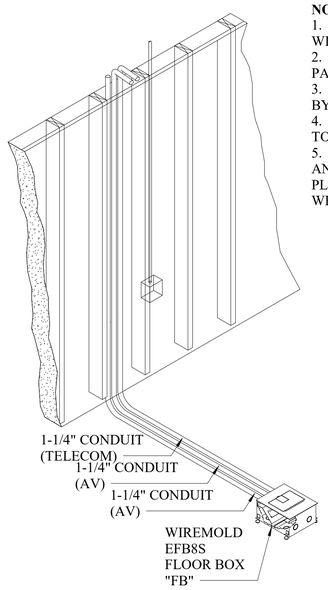
SHEET NO.

**TA-5-01**




**NOTES:**
1. SEE AV SCHEMATICS FOR REQUIRED FLOOR CONNECTIONS.
2. COORDINATE WITH OWNER FOR JACK COLORS.
3. ROUTE FLOOR BOX CONDUIT ACCORDING TO AV FLOOR PLAN.
4. FLOOR BOX REQUIRES POWER BY OTHERS.
5. PROVIDE BLANKS FOR ANY UNUSED CONNECTIVITY SPACES.
6. PROVIDE AND COORDINATE COVER AND FINISH WITH ARCHITECT.

## 1 "FB" WIREMOLD EFB8S FLOOR BOX ROUGH-IN
N.T.S.




**NOTES:**
1. ALL FIRST FLOOR LOCATIONS REQUIRE WIREMOLD EFB8S (-OG IF ON GRADE).
2. FLOOR PLAN SHOWS INTENDED CONDUIT PATH WITH LINE TO NEAREST WALL.
3. "FB" REQUIRE AC POWER BY OTHERS (PATHWAY NOT SHOWN).
4. MOUNT TELECOM CONDUIT ABOVE CEILING TO CABLE TRAY.
5. MOUNT AV CONDUITS ABOVE FINISHED CEILING AND SWEEP 90 DEGREES INTO ACCESSIBLE PLENUM OR TERMINATE TO TELEVISION BACKBOX WHERE APPLICABLE.

## 2 "FB" FLOORBOX (FB) AND "PT" POKE-THRU (PT) ROUGH-IN
N.T.S.

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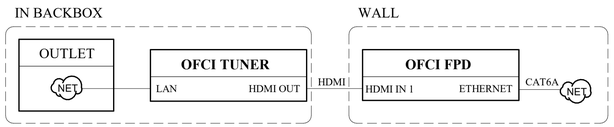
KEY MAP SECTOR J3

DRAWING DESCRIPTION:

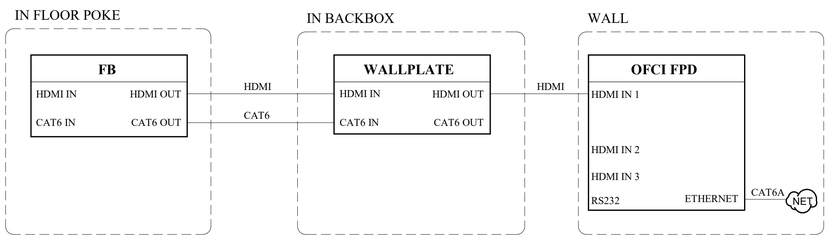
**AUDIO VISUAL FLOOR PENETRATION DETAILS**

SHEET NO.

**TA-5-02**




1 BREAK ROOM
N.T.S.




2 TRAINING ROOM
N.T.S.

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| DATE: | 02AUG21 | | | | |
| SCALE: | N.T.S. | No. | Date | Description | By |

KEY MAP SECTOR J3

DRAWING DESCRIPTION:

## AUDIO VISUAL SCHEMATICS

SHEET NO.

**TA-8-01**