

PART 1 - GENERAL

1.1 SUMMARY

- A. This specification section includes City of Austin Aviation Department requirements for coordinating project installation and construction work at Austin-Bergstrom International Airport, including but not limited to, the following:
 - 1. Project installation or construction work coordination
 - 2. Construction work restrictions
- B. Work provisions noted in this specification are applicable to both City and Tenant contractors doing work at ABIA.
- C. Contractors shall provide the specified work in a manner to minimize disruptions to airport operations, occupants, tenants and DoA staff, as well as protect airport facilities and environment.
- D. There are many specified terms in City of Austin construction contracts through which the Owner can seek compensation or direct work changes to achieve requirements noted above, including but not limited to, the following Specification Section 00700, General Conditions provisions:

ARTICLE 6 -CONTRACTOR'S RESPONSIBILITIES

Paragraph 6.1 - Supervision and Superintendent

Paragraph 6.2 - Labor material and Equipment

Paragraph 6.4 - Concerning Sub-Contractors, Suppliers and Others

Paragraph 6.9 - Use of Premises

ARTICLE 7 -OTHER WORK

Paragraphs 7.2 and 7.5

ARTICLE 8 -OWNER'S RESPONSIBILITIES

Paragraph 8.6 - Notice of Claim

ARTICLE 13 -TESTS AND INSPECTIONS; CORRECTION, REMOVAL OR ACCEPTANCE OF DEFECTIVE WORK

Paragraph 13.6 - Correction or Removal of Defective Work

ARTICLE 14 -PAYMENTS TO CONTRACTOR AND COMPLETION

Paragraph 14.4 - Decision to Withhold Payment

1.2 DEFINITIONS AND REFERENCES

- A. General: In this specification, the DoA is defined as the City of Austin Aviation Department Project Representative. ABIA and/or the Airport are defined as the Austin-Bergstrom International Airport. Owner is defined as the City of Austin Department of Aviation. Terminal is defined as the ABIA Passenger Terminal Facility.

- B. FAA Advisory Circulars: FAA NCs referenced in this specification can be found at www.faa.gov web page, as required.
- C. Barricade: A portable barricade, temporarily placed, constructed of materials which are sturdy and effective at preventing the public from accidentally entering the construction or storage site location, typically constructed in a sawhorse configuration.
- D. Temporary Partition Walls: As approved by the Owner, temporary partition walls shall be installed as specified or where needed to isolate work areas from the public in accordance with the following:
 - 1. Partition walls shall be sturdy and not easily moved by the public. Walls shall be weighted as necessary so as not to require attachment to floors for stability.
 - 2. Partition walls shall be constructed of timber studs with Masonite or plywood sheathing. Sheathing exposed to the public shall be painted as follows:
 - a. Interior concourse level: flat white.
 - b. Interior baggage level: flat gray.
 - c. Exterior: dark green.
 - d. Color(s) shall be submitted to and approved by the Owner.
 - 3. Doors in partition walls, as required to access construction areas, shall be sturdy, lockable and painted to match partition walls.
 - 4. The Owner may install, or require the contractor to install, signage and/or artwork on the temporary partition walls as deemed appropriate. If directed, the contractor shall install as directed by the Owner.
 - 5. Refer to Attachment 02, Temporary Partition Walls, for details not indicated herein.
- E. Fit/Form: Bearing a visual and aesthetic resemblance to adjacent surfaces, in order to maintain a uniform look.
- F. Tele-Communication (Tcom) Rooms: Rooms requiring special secured access containing airport telephone-communications-data equipment.

1.3 PROJECT COORDINATION REQUIREMENTS

- A. General: Contractor shall coordinate installation of the specified work to ensure an efficient and orderly installation in a manner acceptable to the DoA.
- B. Security: Contractor installation work and site access shall adhere to requirements of project Specification Section 01555 - Airport Security Program and shall be as approved by the DoA. Contractor shall also abide by requirements noted in Attachments 03 – Contractor Parking Program for Work at ABIA and 04 – Contractor Tool Management and Delivery Program at ABIA.

- C. Occupied Spaces: Unless specified otherwise, DoA will occupy any work site building and site during construction. Contractor shall allow for occupancy of site and use by the public.
- D. Airport Operation: Contractor shall coordinate the work with the DoA to minimize disruption to airport operations. Work shall be provided in a manner acceptable to the DoA to allow the airport to operate.
- E. Airport Disruptions: Contractor shall identify any known airport areas and/or operations that work activities may affect, including but not limited to: baggage handling, ticket counters, checkpoints, tenants, vendors, access, movement, utilities, HVAC, etc.
- F. PDF File Requirements: All project submittals, transmittals and/or close-out documents shall be provided as specified and shall additionally be provided to the DoA in PDF file format and in a manner acceptable to the DoA. This includes but is not limited to: Submittals, Request for Information, Pay Requests, O&M Manuals, Project Schedules, Proposed Change Orders, etc.

1.4 GENERAL WORK COORDINATION AND RESTRICTIONS

- A. Airport Construction Work: Project construction work shall adhere to requirements noted in FAA Advisory Circular 150/5370, latest edition.
- B. Work Site: Confine work to area(s) specified and/or shown on drawings. Do not disturb portions of airport facilities beyond specified work areas. Contractor access to work site shall be as specified and approved by the DoA. If Contractor seeks alternate access, proposed route(s) shall be submitted for DoA approval at least three working days prior to proposed access.
- C. Structural Limitations: As required by the DoA, there may be a need for submittal of an evaluation by a Professional Engineer as a quality assurance measure to avoid any structural damage to DoA facilities due to exceeding existing structural limitations.
- D. Floor Structure: Much of the Terminal Concourse Level floor is terrazzo on concrete metal pan floor is designed to support 100 psf with maximum concentrated load of 2000 lbs. Terminal Baggage Level is slab on grade and should be able to support greater loads than the Concourse Level.
- E. Construction Equipment: Any proposed use of cranes, lifts, vehicles, equipment or material deliveries or similar processes that will transport loads within DoA facilities shall require submittal of Work Plan information for DoA review and approval.
 - As approved by the Owner, contractors shall utilize carts and/or vehicles with rubber wheels whenever there is a possibility of damaging existing floors or floor surfaces in City facilities.
 - Equipment height and weight shall be compliant with limitations for use in existing conditions
- F. Equipment Storage: Construction equipment shall be properly stored when not in use in a manner approved by the DoA. Equipment shall have floor protection measures when not in use, such as drip pans, absorbent pads and/or masonite panels.

- G. **Equipment Use:** Construction equipment shall not be fueled inside airport buildings including the Terminal Building Tug Road. Combustion engine equipment discharges planned for use in and/or around ABIA buildings shall be equipped with scrubber devices adequate to control emissions of harmful or noxious fumes into occupied areas, as approved by the Owner. Contractor shall be responsible for environmental monitoring of equipment emissions to insure acceptable air quality at work site, as required by the DoA.
- H. **Lighting:** Contractor shall provide temporary lighting with local switching for needed illumination of work site and/or as needed for traffic control.

1.5 WORK PLANNING REQUIREMENTS

- A. **Contacts:** Contractor shall submit names of all Contractors representatives and/or sub-Contractor personnel involved in the work and contact phone number of work supervisor, superintendent and/or personnel in-charge for DoA information and files.
- B. **Existing Conditions:** Prior to start of any Contractor work activities, Contractor and DoA representatives shall visit work sites and create a photographic journal of existing conditions to avoid later claims that Contractor activities damaged work sites or existing conditions.
- C. **Existing Facilities:** Any existing mechanical doors, motors and/or other equipment in work site shall also be verified to be working properly prior to start of the work. As directed by the DoA, existing work site mechanical air filters or similar items shall be changed or maintained by the Contractor to protect DoA equipment during construction work.
- D. **Work Schedule:** Contractor shall submit a Work Schedule as specified and acceptable to the DoA, along with specified updates. Work Schedule shall include a description of work items, work hours and work START/STOP dates, as acceptable to the DoA.
- E. **Look Ahead Schedule:** Contractor shall submit a two-week Look Ahead Work Schedule at project meetings or as required by the DoA. Submittal shall be in a format acceptable to the DoA and shall note the date & time work activities will be started and completed, including cleanup, waste haul and/or other details required by the DoA to understand planned activities and impact to airport operations.
- F. **Work Plans:** As required by the DoA, Contractor shall submit Work Plans for each distinct project activity for DoA review and approval.
- Work Plans shall be submitted a minimum of three working days in advance of the proposed work activities or the work may be stopped or delayed by the DoA at contractor expense for failure to allow time for the work to be coordinated with airport activities.
 - Work Plan shall include provisions for maintaining space air conditioning necessary for proper operations of electronic devices and/or to insure comfortable conditions in spaces that may be affected by the planned work.
 - Contractor shall provide a description and/or sketch of the location where the work will occur.

- Work sketches shall include, but are not limited to pedestrian and vehicular traffic flow plans, delivery and staging area and barricade plans.
- G. Work Coordination: Project trade and/or building systems work shall be coordinated with the DoA to avoid conflicts and to ensure orderly and coordinated progress of the Work. This will also help insure accessibility into secure or restricted work areas.
- H. Restricted Access Spaces: Any planned work in airport Tcom Rooms and/or other restricted access areas shall require a work escort. Access and escort shall be coordinated with DoA at least three working days prior to needed access.
- I. Tcom Rooms: Unless specifically noted otherwise, contractor access to airport Tcom Rooms shall require escort by DoA staff. Contractor shall submit specified Work Plan information for any proposed site visit or work in Tcom Rooms at least three working days prior to requested access. Work Plan shall include provisions for maintaining space air conditioning necessary for proper operations of electronic devices in Tcom Rooms.
- J. Mech-Elect Rooms: Proposed work dates and times in Mechanical and/or Electrical rooms shall be submitted for approval by the DoA at least three working days prior to requested access. Contractor access to these rooms without an escort shall be as permitted by the DoA.

1.6 WORK SITE PROTECTION AND DAMAGE REPAIRS

- A. Facility Protection: Contractor shall provide means to protect existing building finishes, materials, grounds, structures and/or systems, as required and acceptable to the DoA.
- Contractor shall maintain existing building in a watertight condition throughout construction period and protect the building and its occupants for work duration.
 - Contractor shall be responsible for cost of correction of damages to airport property due to actions of work site personnel.
 - Contractor shall make arrangements acceptable to the DoA for scope, schedule and costs of repairs needed to repair contractor damages.
- B. Barricades and Walls: DoA requires submittal any plans for barricades or temporary walls to coordinate with airport activities. Barricades and/or temporary walled partitions shall be provided as specified and/or required by the DoA.
- At least three working days prior to proposed installation, contractor shall submit a barricade plan which clearly indicates type, placement and construction method of barricades and/or temporary walled partitions proposed to be erected, including paint colors. Barricade plan shall include directional and informational signage as required by the DoA.
 - Signs, barricades, and warning devices informing site occupants of construction will be placed and maintained by the Contractor. Unless approved otherwise, road cones and caution tape are not acceptable barricading methods for construction work at ABIA facilities.
 - Contractor shall submit and provide weekly updates to work schedule indicating installation and removal dates of any temporary walls and/or barricades.
 - Barricades and temporary walled partitions within and adjacent to the ABIA Terminal shall be Fit/Form.
 - Contractor shall be responsible for maintaining barricades and temporary walled partitions in tidy, clean and good condition, as determined by the DoA.

- Barricades constructed with 2x4 wood studs shall be as shown on barricade drawing attached at the end of this section and placed, as a minimum, as specified or shown on Drawings.
 - Proposed barricade areas within the ABIA Terminal shall be as submitted and approved by the DoA.
 - Unless specified otherwise, barricades shall be set-up prior to beginning of the daily work and then taken down at the finish of the daily work.
 - Contractor shall remove barricades and temporary walled partitions promptly when their' service has ended and no later than Substantial Completion.
- C. Work Confinement: Work areas shall be properly sealed-off or isolated in a pro-active manner to confine construction dust and debris to the workspace. Contractor shall exercise precautions necessary to prevent dust from work site from entering DoA buildings, HVAC systems and/or aircraft. As approved or required by the DoA, contractor shall provide dust control measures. Noise levels near public areas shall be kept below 70 db and/or at a level acceptable to the Owner
- D. Order and Protection: Contractor shall not encumber the work site with materials or equipment. Contractor shall be responsible for protection of work site storage of equipment and materials.
- Contractor is responsible for providing necessary provisions to address contractor work area or temporary facilities life safety and security needs, as approved by the DoA.
 - Any work site provisions needed during construction shall adhere to requirements of the Airport Security Program, as determined by the Owner.
- E. Entry Area Protection: For work in the ABIA Terminal, Contractor shall protect entry vestibules from damage during delivery of materials or equipment by removing existing floor cover grating and temporarily replacing with 3/4" plywood, as approved by the DoA.
- F. Floor Protection: Whenever equipment is brought into the ABIA buildings, Contractor shall provide appropriate protective measures, such as use of masonite or other materials, to protect entry vestibules and/or building floors. As approved by the Owner, contractors shall utilize carts and/or vehicles with rubber wheels whenever there is a possibility of damaging existing floors or floor surfaces in DoA facilities.

1.7 EXTERIOR WORK SITE PROTECTION AND REQUIREMENTS

- A. Driveways and Entrances: Keep driveways and entrances serving premises clear and available to DoA, building occupants and emergency vehicles at all times. Do not use these areas for parking or storage.
- B. Traffic: As approved by the DoA, Contractor shall employ measures noted in the latest edition of the "Texas Manual on Uniform Traffic Control Devices" for work in and around the airport roadway systems. Latest TMUTCD document can be obtained at www.txdot.gov web page.
- C. Facility Protection: Contractor shall protect, shore, brace, support and/or maintain all underground pipes conduits, drains, structural features and other concealed construction uncovered or otherwise affected by the Contractor's operations.
- Pavement, surfacing, driveways, curbs, walks, buildings, utility poles, guy wires, fences, and other surface structures affected by construction operations, together

with all sod and shrubs in landscaped areas, shall be restored to their original condition. All replacements shall be made with new materials.

- D. Site/Grounds Work: Proposed road obstructions shall be submitted for approval of the DoA.
- All open trenches and other excavations shall have suitable barricades, signs, and lights to provide adequate protection to the public, tenants, and City employees.
 - Obstructions, such as material piles and equipment shall be provided with similar warning signs and lights.
 - Exterior barricades/obstructions shall be illuminated with warning lights from sunset to sunrise.
 - Material storage/work in or near roadways shall minimally obstruct or inconvenience to the public, whether vehicular or pedestrian, as approved by the DoA.
 - All ground protection measures will be securely fastened to avoid becoming trash, flying object debris hazards or projectiles.
- E. Landscape Work: No trees shall be removed by the Contractor except as specified and/or authorized by the DoA.
- Tree and vegetation shall be removed and properly disposed of by the Contractor. Trees and plants not removed shall be protected against injury from construction operations.
 - Hand excavations shall be employed as necessary to prevent injury to trees. Care shall be taken with exposed roots, unearthed during construction, so that roots do not de-hydrate causing tree damage.
 - Contractor shall take measures to protect trees designated to be preserved.
- F. Storm Water Quality: Contractor shall observe the requirements and regulations of authorities having jurisdiction prohibiting the pollution of any lake, stream, river, or wetland by the dumping of any refuse, rubbish, dredge material, or debris therein.

1.8 WORK TIME COORDINATION AND RESTRICTIONS

- A. Work Days: Unless specified or approved otherwise by the DoA, project work days shall be MONDAY thru FRIDAY.
- B. Work Hours: Unless specified or approved otherwise by the DoA, project work hours shall be between 10pm and 5am in and around the Terminal.
- C. Access: Unless approved otherwise by the DoA, work which will impair public access to and/or within the ABIA Terminal shall be performed between the hours of 10pm and 5am.
- D. Disturbances: Unless approved otherwise by the DoA, high level noise, equipment exhaust, and dust associated with construction work such as, but not limited to, concrete slab saw cutting, pier drilling and demolition shall be performed between 10pm and 5am.
- E. Special Events/Holiday Shut-Down Period: Unless specified or approved otherwise by the DoA, contractor shall not be permitted to work during the following significant special events/holiday periods, as specifically identified by the DoA:

MARCH: 15 Calendar Days around Spring Break holidays
NOVEMBER: 15 Calendar Days around Thanksgiving holidays
DECEMBER-JANUARY: 15 Calendar Days around Christmas and New Year holidays

- F. Emergency Shut-Down by DoA: In the event of an emergency, the DoA may prohibit Contractor's use of the site, either partially or completely.
- Under such circumstances, the Contractor shall follow the DoA's instructions and immediately cease operations and immediately evacuate personnel as required and instructed by the DoA but not prior to ensuring that the Contractor's operations cease and do not pose a hazard if the Work area is left unattended for an extended period of time.

1.9 MISCELLANEOUS WORK RESTRICTIONS AND REQUIREMENTS

- A. Fumes: No hazardous or foul odors shall be emitted from the construction site as a result of the Contractor's operations.
- B. Work in Elevated Areas: When working over occupied spaces, Contractor shall provide netting, tethering, lanyards, and/or other provisions necessary to prevent items from falling/injuring occupants or damaging the facility. As required, Contractor shall submit proposed safety provisions for DoA review.
- C. Material Safety Data Sheets: As specified or required by the DoA, Contractor shall provide material safety data sheets (MSDSs) for hazardous materials stored at the ABIA at least three working days prior to proposed material storage.
- D. Baggage Handling System (BHS) Work Area Training: As determined by the DoA, personnel that will be working in and around the ABIA Terminal BHS shall attend 1 hour of BHS Safety Training prior to being granted access to work areas.
- As determined by the DoA, BHS work area training shall be in groups appropriate to the total number of workers requiring the training.
 - Training shall occur at date and time acceptable to the DoA to reduce possibility of BHS disruptions and/or work site accidents.
- E. Owner Signs: DoA may provide informational or directional signs for Contractor use during construction. DoA may mount signs or posters on temporary walled partitions walls for informational or aesthetic purposes.
- F. Power Cords: If power/utility cords are required to be placed on a publicly accessible floor location, runs shall be securely fastened with sturdy tape a minimum of 2-1/2" in width and shall be continually monitored to avoid become a tripping hazard.
- Cord shall be immediately removed at end of shift or when now longer in use.
 - Provide waterproof connectors to connect separate lengths of electrical power cords if single lengths will not reach areas where construction activities are in progress.
 - Do not exceed safe length-voltage ratios.
- G. Hazards: Contractor shall NOT be permitted to leave extension cords, access planks or other items in work areas during the Contractor's non-work hours, unless approved otherwise by the DoA.

- H. Electrical Spikes: Re-start or switchover to/from emergency power to normal power can cause damaging spikes in electrical circuits, so work of this type shall be coordinated with the DoA.

1.10 CONTRACTOR PARKING AND STAGING PROVISIONS

- A. Coordination: Contractor staging/employee parking areas shall be as specified or as approved by the DoA.
- If Contractor proposes a staging/parking at other than specified locations, proposed location(s) shall be submitted for DoA approval at least five working days prior to proposed staging.
- B. Staging: Contractor is responsible to ensure that work material and equipment is adequately and properly isolated to protect site occupants.
- Contractor is responsible for the security of material and equipment storage.
 - Any proposed temporary fence at airport staging areas shall be submitted for DoA approval.
 - Stored materials and equipment shall not be accessible to the public and shall be marked to clearly identify its owner and the project name.
- C. Access: Contractor shall provide the airport security personnel a means to access work sites and/or staging areas for emergency purposes.
- D. Work Site Office: As specified, Contractor shall provide office at or near the site of the Work which shall be the headquarters of the Project Superintendent.
- Any communication given to the superintendent or delivered to Contractor's work site office in the absence of Project Superintendent shall be deemed to have been delivered to Contractor.
 - As required, Contractor shall make necessary arrangements and pay installation charges for electrical/telephone service and lines at work site office and shall provide all electrical/telephone instruments.
- E. Restrooms: Contractor use of existing sanitary facilities (restrooms) shall be as specified and approved by the DoA. Contractor personnel shall maintain a reasonable level of cleanliness in DoA facilities or risk loss of access to DoA restrooms and/or facilities.
- F. Interaction with Occupants: Contractor personnel interaction with work site occupants shall be reasonable and respectful. Violations or unacceptable behavior shall require the Contractor to remove non-compliant work personnel from the project.
- G. Parking: Contractor shall not park a vehicle or allow a vehicle to remain stopped within the Airport site except in such areas and for such periods of time as approved by DoA.
- Contractor shall not park a vehicle or allow a vehicle to remain stopped within the airport contrary to authorized signs, pavement markings or other traffic control devices.
 - Contractor shall not park or allow a vehicle to remain stopped within the airport site on any shoulder (unless disabled) or in front of any driveway.
 - Vehicles also cannot park on any roadway or within a bus stop or taxicab zone (unless authorized to use such areas by the DoA).

- Vehicles cannot park within fifteen(15) feet of a fire hydrant or ten (10) feet of any airport perimeter security fence.
 - Failure to comply with any of noted or specified parking requirements may cause Contractor's vehicular access to the airport to be restricted or revoked.
- H. Terminal Area Parking: Parking by the Contractor at and around ABIA Terminal is not permitted unless authorized in writing by the DoA.
- Parking at or around the ABIA Terminal shall adhere to requirements of the ABIA Security Program.
 - Parked vehicles shall have the Contractor's logo affixed to the side of the vehicle or placed on the dash of the vehicle, as approved by the DoA.
 - Contractor shall notify the on-duty Transportation Security representative to indicate arrival at approved parking location at or around the ABIA Terminal.
 - Transportation Security representative shall inspect the vehicle and apply a distinctive sticker to the vehicle window for the parked vehicle to indicate that the vehicle has been inspected and authorized to be parked at that location.
 - Contractor vehicle operator shall not leave the vehicle prior to security inspection.
 - If a security representative discovers a Contractor vehicle parked curbside at the ABIA Terminal without an operator at the vehicle, they may issue a parking citation and have the vehicle towed at the Contractor's expense, without notice.

1.11 DELIVERIES

- A. Deliveries: All project deliveries shall be coordinated and approved by the DoA. Material or equipment drop-off at and around the ABIA Terminal shall adhere to requirements of the ABIA Security Program, including but not limited to, the following.
- Contractor shall coordinate project deliveries with the DoA, including obtaining DoA approval of delivery sequencing and contractor responsibilities.
 - Requests to park curbside for deliveries shall be submitted for DoA approval at least three working days prior to planned delivery. Failure to comply with required notification will subject delivery to be prohibited by the DoA.
 - Deliveries shall minimize space and time requirements for storage of materials and equipment at work site or delivery areas.
 - Curbside parking for deliveries to the ABIA Terminal shall be for a maximum of one hour unless approved otherwise, in writing by the DoA.
 - Materials and equipment to be off-loaded shall be timed to arrive not more than 30 minutes after the scheduled time. If delivery has not occurred within allowed time, DoA approval of delivery will be subject to being cancelled with delivery re-scheduled for another date.

1.12 UTILITIES

- A. Utility Disruptions: All planned or required project utility disruptions shall be as approved by the DoA.
- Contractor shall submit Work Plan for utility disruptions a minimum of five working days prior to planned disruptions. Unless specified or approved otherwise in writing by the DoA, Contractor shall not disrupt any utilities from 5am to 10pm.
 - When applicable, contractor shall coordinate utility disruptions with the DoA and utility company/provider.

- B. Water: Use of available work site water shall be as specified and/or approved by the DoA. In general, Contractor may use water at Terminal building work sites, unless specified otherwise.
- C. Electrical: Use of work site electrical power shall be as specified and/or approved by the DoA. Contractor use of existing electrical power at Terminal Building shall be as specified and/or approved by the DoA.

1.13 FIRE PROTECTION WORK

- A. Existing Conditions: Renovation work shall be coordinated and integrated with the existing building fire alarm systems and fire sprinkler systems, as specified and/or required. SimplexGrinnell fire protection system is in place at the ABIA Terminal Building.
- B. Hot Work and Fire Alarm-Sprinkler Impairment Permits: To help avoid nuisance trips of the airport fire protection systems due to Contractor work activities, contractor shall abide by requirements the DoA Hot Work and Fire Alarm-Sprinkler Impairment programs, as specified.
- C. Approved Shop Drawings: If project work requires approval of fire protection system shop drawings, contractor shall provide the DoA a minimum of three copies of approved Shop Drawings approved by authorities having jurisdiction for as-built record purposes.
- D. Shop Drawings: If the magnitude of fire protection work or changes do not require submittal and/or approval of Shop Drawings by authorities having jurisdiction, Shop Drawings indicating fire protection installation work or changes shall still be prepared and submitted to the DoA for as-built record purposes.
- E. Past Fire Protection Work: Past work on the existing ABIA Terminal SimplexGrinnell fire protection and fire sprinkler systems has been provided by SimplexGrinnell, Western States Fire Protection and ACE Fire Equipment.

1.14 SECURITY SYSTEM WORK

- A. General: DoA security system drawings are security sensitive documents and shall be treated as such by the Contractor.
 - Any ABIA security system work shall be coordinated with the Owner.
 - Systems shall only be modified by a firm certified to do work on BOTH the existing ABIA "Hirsch-Identive Velocity" access control system and the "Genetec Omnicast 4.2" video management system.
 - A minimum of 14 working days before starting work in the field, Contractor shall submit documentation of certification credentials for security system work for DoA review and approval.
 - Past work on existing ABIA security systems has been provided by EO Integrated Systems, Converjint Technologies and Fisk Electric, who have all been known to be certified to work on BOTH systems.
- B. Separate Raceway: Contractor shall install all access control wiring in separate conduit (not shared).

- C. As-Built Record Drawings: Contractor shall submit as-built record drawings mark-ups of existing DoA security system drawings provided by the Owner. Mark-ups shall indicate systems changes for Owner review, approval and files.

1.15 HVAC CONTROLS WORK

Work at airport facilities shall be coordinated and integrated with the existing HVAC control systems, as specified and/or required.

1.16 PHONE-DATA-COMMUNICATION SYSTEMS WORK

General: Work shall be coordinated and integrated with the existing building phone, data and communications systems, as specified and/or required by the DoA.

- Unless specified otherwise, Contractor shall install raceways with pull strings for any required phone, data or communications lines in the ABIA Terminal and DoA Information Systems staff or approved sub-contractor shall install system cabling and termination work at Contractor's expense.
- Past work on existing airport phone-data-communications system has been provided by NEC.

1.17 TERMINAL PUBLIC ADDRESS INTERCOM SYSTEM

ABIA Terminal renovation work shall be coordinated and integrated with the existing building IED public address/intercom system, as specified and/or required by the DoA.

1.18 ROOF WORK REQUIREMENTS

Any revisions to existing DoA building roofs shall be as coordinated with the DoA. Unless specifically directed otherwise, contractor shall provide the roofing work contractor credentials to the DoA confirming that the firm is certified to work on the specific type of DoA building roof to be repaired, penetrated or otherwise modified. The DoA shall also be provided Shop Drawings of the roof modification work for Owner review and approval.

1.19 SALVAGE ITEMS

Unless specified otherwise, work salvage items are the property of the DoA. The DoA may choose to have the Contractor properly dispose of any project salvage items or materials at Contractor expense. Unless approved otherwise by the DoA, salvage items or materials removed during the work shall not be re-used in the project.

1.20 BUY AMERICAN

Contractor procurements shall adhere to latest Federal government requirements to "Buy American" for projects that are funded in part or totally with Federal funds. As required, contact the Owner to confirm if project is federally funded.

1.21 CLEAN-UP

General: Work areas shall be safely and properly secured and cleaned at the end of each work period to the satisfaction of the DoA.

- Contractor is responsible for maintaining a clean work site, providing his own cleaning materials and equipment and for cleaning any dirt, dust and/or debris that is tracked

across the floor or other surfaces in areas around the work site that is a result of the Contractor operations.

- As approved by the DoA, Contractor may be provided access to janitorial closet for water. If Contractor uses janitorial closet for water, he is responsible for returning the closet to its original clean condition when finished with it each day.
- Contractor shall not utilize the public restroom facilities for cleaning operations.

1.22 WASTE MANAGEMENT

General: As specified, project work waste materials should be salvaged, reused, or recycled in order to minimize the impact of construction and demolition waste on landfills, and to minimize the expenditure of energy and cost in fabricating new materials.

- As much of the waste materials as economically feasible shall be reused, salvaged or recycled.
- Waste disposal in landfills or incinerators shall be minimized.
- As approved by the Owner, methods of waste material diversion include the following: (1) Donation to nonprofit organizations, (2) Removal from jobsite by staff or sub-contractors for use (not disposal), (3) Return to supplier, (4) Sale or donation to organizations or individuals, or (5) Recycling.
- Construction waste material shall not be introduced or comingled with normal airport day-to-day waste stream.

1.23 TRAINING

General: DoA staff shall be provided O&M training for installed equipment, building systems, materials and/or other installed work items that need to be operated or maintained.

- All training sessions shall be as specified and shall be as coordinated and acceptable to the DoA.
- Contractor shall videotape all training sessions in a manner acceptable to the DoA and provide training video file in a format and manner acceptable to the DoA.
- Contractor shall provide all specified project work training labor and materials.
- Contractor shall provide a video file of any site, class or equipment supplier training for use by the DoA to help train DoA personnel after construction work completion.
- Training video files shall be xxx.wmv - Windows Media Video or type and format approved by the DoA and shall be provided as part of work Close-Out documentation required prior to release of Final Payment.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

Attachments:

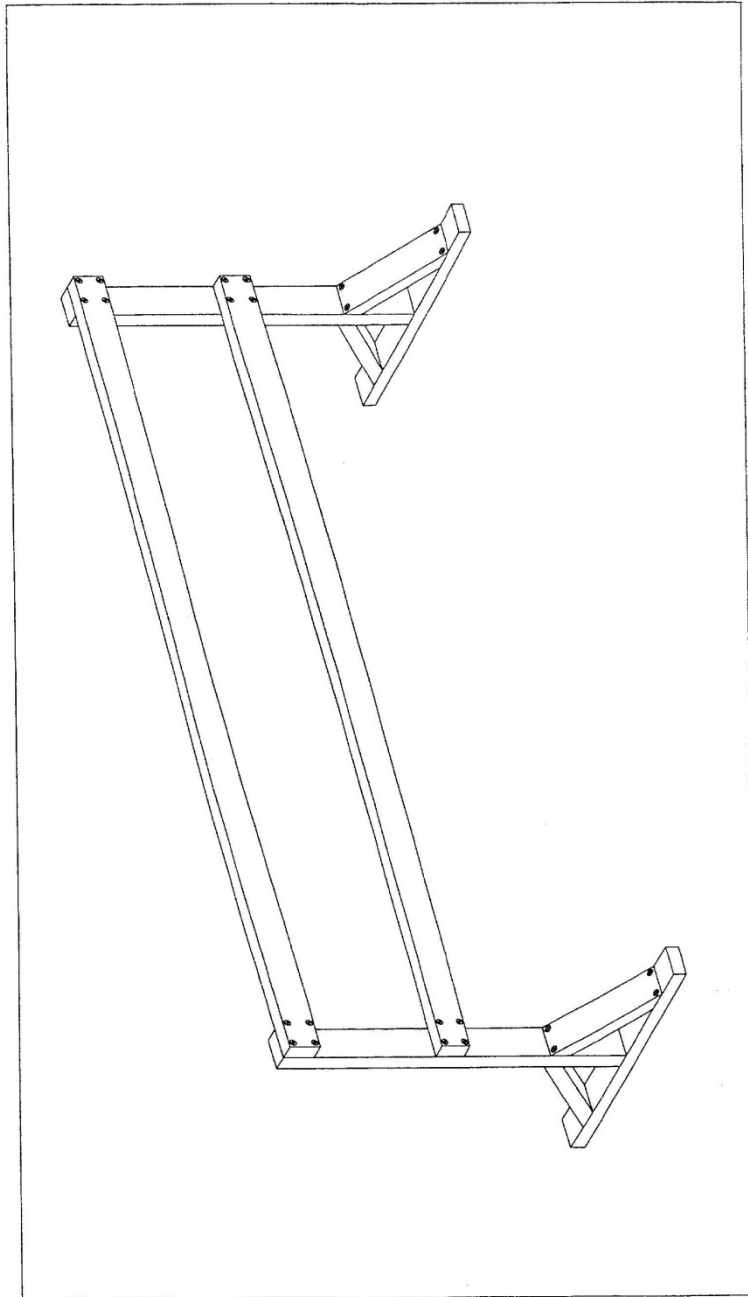
01 - Barricade Drawings

02 - Temporary Partition Wall Drawing

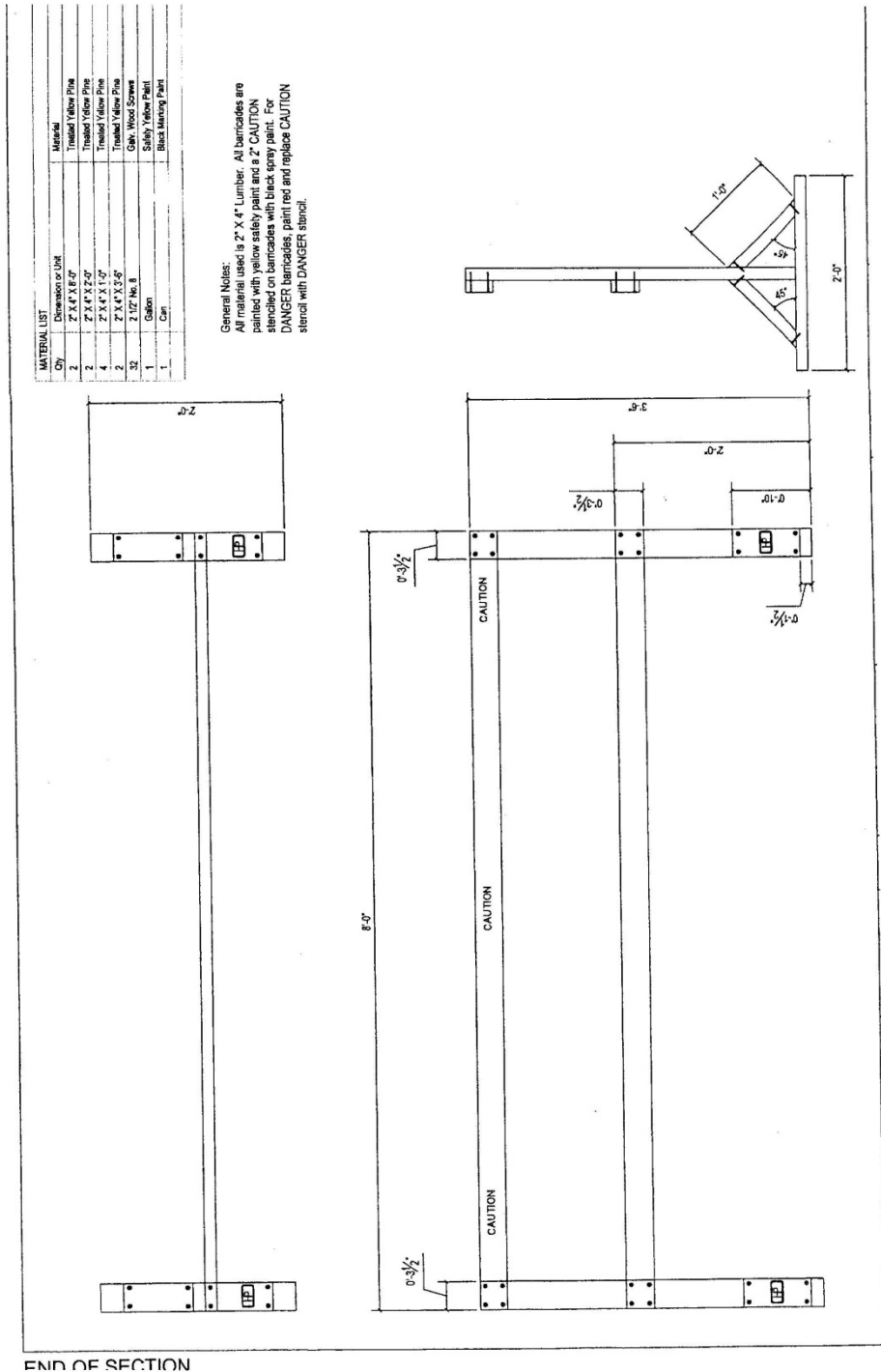
03 – Contractor Parking Program for Work at ABIA

04 – Contractor Tool Management and Deliveries Program at ABIA

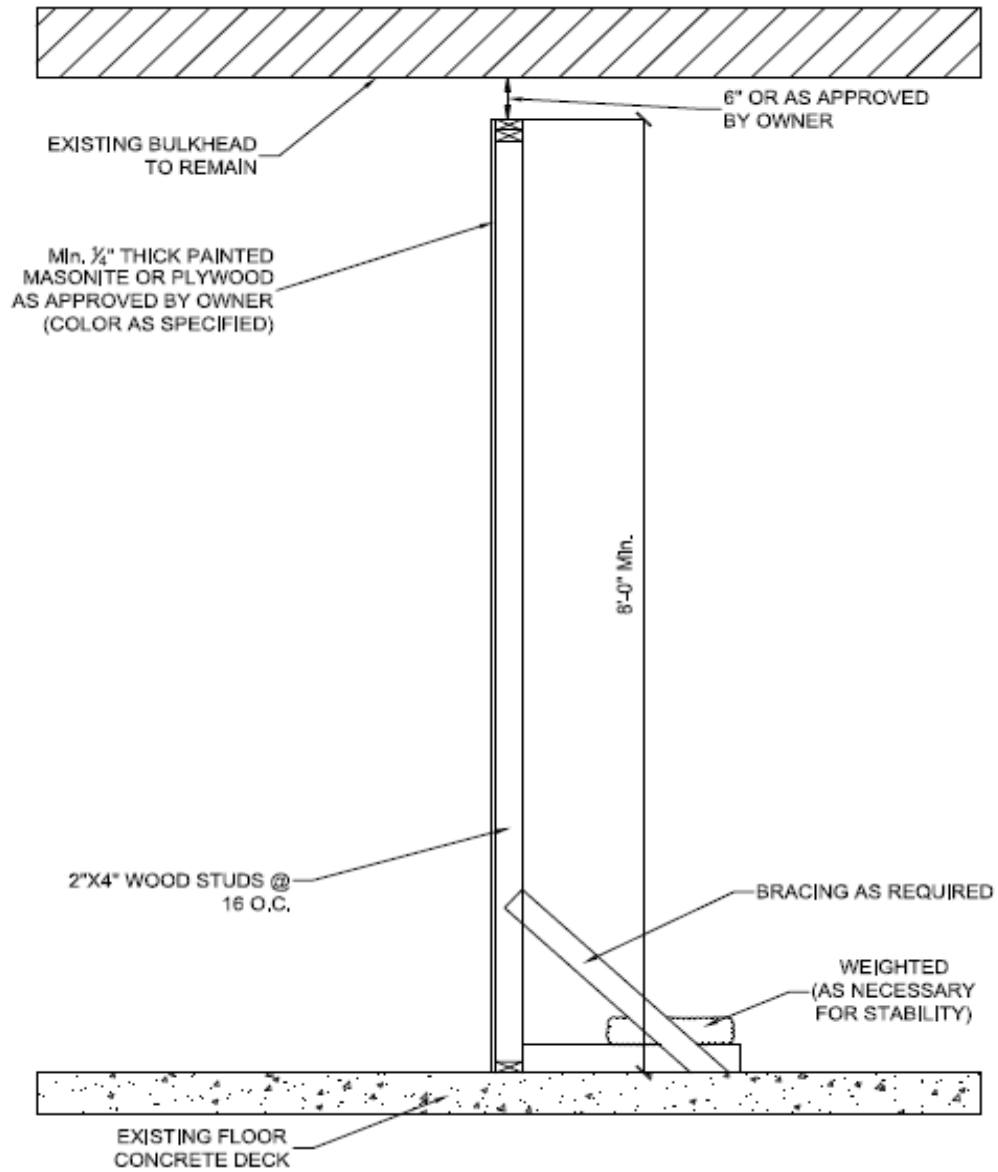
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Attachment 01 – Page 01



N:\MISC\11Nov14 Temporary Barricade Wall Detail.dwg, 8.5x11



02 TEMPORARY PARTITION WALL DETAIL
1/2" = 1'-0"