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## The Housing Authority of the City of El Paso, Texas

## **Requests for Proposal (RFP)**

## SUN PLAZA TOWER WELLNESS CLINIC

## **OPS 20-R-0003**

Affordable Housing Acquisition an Affiliate of The Housing Authority of the City of El Paso, Texas Gerald Cichon Chief Executive Officer	An Equal Opportunity Employer and Contracting Agency
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## **REQUEST FOR PROPOSALS (RFP)**

The Housing Authority of the City of El Paso, Texas (HACEP) is requesting proposals for:

### SUN PLAZA TOWER WELLNESS CLINIC

Request for Proposal will be available online at 02:00 P.M. Mountain Standard Time (MST) beginning **February 3, 2020**, To view the solicitation. **Refer to Request for Proposal No. OPS 20-R-0003.** This solicitation is only available electronically. To view the solicitation, please visit The Housing Agency Marketplace at <u>www.hacep.org/procurement.sstg</u>, and click on the "E-Procurement" link. You will have the opportunity to register and view the solicitation. There is no fee associated with the use of this system.

A MANDATORY ON-SITE PRE-PROPOSAL CONFERENCE FOR CONTRACTORS FOR INSPECTION AND REVIEW SCOPE OF WORK WILL BE HELD ON FEBRUARY 6, 2020 FROM 9:00AM-11:00AM MST AT SUN PLAZA TOWER APARTMENTS LOCATED AT 1221 E. San Antonio Ave, EL PASO, TX 79901.

Any questions regarding the RFP may be directed to Ms. Eddie Rocha, at (915) 849-3789 or erocha@hacep.org. If you would like to join in the tele-conference, call (877) 226-9790, access code 9217791.

The closing date and time for receipt of sealed proposals is March 10, 2020 at 2:00P.M. MST. All proposals shall be submitted in "Sealed Envelopes" and may be delivered or hand carried to: Housing Authority of the City of El Paso Texas, Attn: Ms. Eddie Rocha, Contract Specialist, 5300 E. Paisano Dr., El Paso, Texas 79905-2051.

Procurement Manager

Advertisement El Paso Times:

Sunday: February 2, 2020 Sunday: February 9, 2020



## **Executive Summary Notice**

## **OPS 20-R-0003**

### **Request for Proposal:**

- 1. The purpose of this Executive Notice is to highlight the key requirements of the Request for Proposal.
- 2. The Housing Authority of the City of El Paso, Texas is requesting proposals from qualified Contractor/Contractors to provide Sun Plaza Tower Wellness Clinic. HACEP reserves the right to award multiple Contractors.
- 3. For projects less than ONE HUNDRED THOUSAND DOLLARS (\$100,000.00), the General Contractor may agree to a "TURN-KEY" project option. Performance Bond and Payment Bond will not be required if project is less than \$100,000. Therefore, there will be no progressive payments. If ONE HUNDRED THOUSAND DOLLARS (\$100,000.00) and over a Payment and
- Performance Bonds will be required for the project.
   A BID BOND IS REQUIRED WITH THE SUBMITTAL OF PROPOSAL. FAILURE TO SUBMIT BID BOND, THE PROPOSAL WILL BE DEEMED INCOMPLETE AND NON-RESPONSIVE, PROPOSAL WILL NOT BE
- EVALUATED.
   5. The Housing Authority of the City of El Paso, Texas contemplates award of a contract to Sun Plaza Tower Wellness Clinic. Contractor/Contractors in response to this Request for Proposal will be evaluated. Contractor/Contractors must submit in accordance with the instructions provided in the Request for Proposal. <u>Failure to furnish a complete offer at the time and date specified in the Request for Proposal may result in elimination from consideration. Term of this contract is for 120 calendar days or until project completion not to exceed a total of 120 calendar days with liquidated damages to be incurred in the amount of \$200.00/calendar day.
  </u>
- 6. <u>A MANDATORY ON-SITE PRE-PROPOSAL CONFERENCE FOR CONTRACTORS FOR INSPECTION AND</u> <u>REVIEW SCOPE OF WORK WILL BE HELD ON FEBRUARY 6, 2020 FROM 9:00AM-11:00AM MST AT SUN</u> <u>PLAZA TOWER APARTMENTS LOCATED AT 1221 E. San Antonio Ave., EL PASO, TX 79901.</u>
- 7. Formal communications such as requests for clarifications and/or information concerning this Request for Proposal shall be submitted in writing only no later than **February 13, 2020 at 2:00 p.m**. **MST** local time and directed to **Ms. Eddie Rocha** Contract Specialist, at <u>erocha@hacep.org</u>.
- 8. Any form of contact by an offeror or potential offeror regarding this REQUEST FOR PROPOSAL, at any time during the Request for Proposal process from initial advertisement through award, with Commissioners of the Housing Authority of the City of El Paso, Texas (HACEP) or any person employed by HACEP, other than through the communication channels stipulated in the Request for Proposal, or as subsequently instructed by HACEP through the Request for Proposal process, will constitute grounds for rejection of the Proposal.
- 9. Since HACEP is interested in limiting costs associated with the acquisition process, offerors not intending to continue with the REQUEST FOR PROPOSAL are requested to submit a letter requesting they be taken off the mailing list for this Request for Proposal. HACEP reserves the right to reject any or all proposals.
- 10. Offerors will submit one (1) unbound master copy (so marked) and three (3) copies of their proposal and One electronic copy on a flash drive to 5300 E. Paisano as per directed in the Scope of Work.
- 11 This solicitation and subsequent amendments shall supersede any posting made through the HOUSING AGENCY MARKETPLACE. Potential offerors are advised to review the dates contained in this solicitation in the event of a discrepancy between dates listed in this solicitation and dates listed on the HOUSING AGENCY MARKETPLACE.
- 12 Thank you for your interest in this project. We look forward to receiving your proposal.

Juan Pulido



Date Issued:February 3, 2020Subject:Request for Proposal Request for

Proposal No.: OPS 20-R-0003

Separate sealed proposals for Sun Plaza Tower Wellness Clinic for the Housing Authority of the City of El Paso will be received at

the following address:

### **Contract Compliance & Procurement Administration**

Housing Authority of the City of El Paso El Paso, Texas

5300 Paisano

El Paso, Texas 79905 - 2931

2:00PM, MST, March 10, 2020. Proposals will be held in confidence and not released in any manner until after contract award.

For any Contract which requires the Contractor to provide services, the Contractor shall, <u>prior to commencement of work</u>, provide HACEP with Certificates of Insurance in the below amounts and shall maintain such coverage in effect for the full duration of the Contract. HACEP <u>must be named as additional insured in the insurance certificate(s)</u>.

General Liability	\$1,000,000
Automobile (contractor has vehicles on HACEP premises)	\$1,000,000
Workman's Compensation Insurance (for onsite work)	\$1,000,000
Applicable bonding requirements (for onsite work)	

A BID BOND IS REQUIRED WITH THE SUBMITTAL OF PROPOSAL. FAILURE TO SUBMIT BID BOND, THE PROPOSAL WILL BE DEEMED INCOMPLETE AND NON-RESPONSIVE, PROPOSAL WILL NOT BE EVALUATED.

For projects less than ONE HUNDRED THOUSAND DOLLARS (\$100,000.00), the General Contractor may agree to a "TURN-KEY" project option.

Performance Bond and Payment Bond will not be required if project is less than \$100,000. Therefore, there will be no progressive payments. If ONE HUNDRED THOUSAND DOLLARS (\$100,000.00) and over a Payment and Performance Bonds will be required for the project.

By submission of a proposal, the offeror agrees, if its proposal is accepted, to enter into a contract with HACEP in the form included in the Request for Proposal documents, to complete all work as specified or indicated in the contract documents for the contract price and within the time parameters indicated in the attached REQUEST FOR PROPOSAL. The offeror further accepts all of the terms and conditions of the Request for Proposal.

The Housing Authority of the City of El Paso, Texas specifically reserves the right to reject any or all proposals, waive technicalities and to award the contract in the best interest of the Housing Authority. Price alone will not be the sole determining criteria in the selection process.

Effective immediately, all proposals delivered to 5300 E. Paisano must be received by Procurement Staff. The receptionist will notify a procurement staff member to accept your proposal. Receptionist staff cannot accept your proposal and is not responsible for mishandling your proposal.



Sun Plaza Tower Wellness Clinic

Each offeror is responsible to ensure that they have received all amendments related to this Request for Proposal. Contract Compliance will send amendments through e-procurement, through fax, etc. For those companies that download this Request for Proposal through e-procurement, amendments will be posted to e-procurement. Companies that receive this Request for Proposal in electronic format throug other than e-procurement may not receive notifications.



Sun Plaza Tower Wellness Clinic

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All documents listed must be submitted in order for your offer to be considered responsive, all forms requiring signature must be signed, as well as HUD Form 5369-C (Certifications and Representations of Offerors), found in Section F



Request for Proposal OPS 20-R-0003 Sun Plaza Tower Wellness Clinic

# SECTION A REQUEST FOR PROPOSAL



Sun Plaza Tower Wellness Clinic

#### REQUEST FOR PROPOSAL OFFER AND AWARD

(Must be completed by Offeror)

El Paso, Texas 79905 - 2931

Name of Contracting Officer (Type or Print)

**Gerald Cichon, Chief Executive Officer** 

(915) 849-3776

22.

Award Date:

Offeror acknowledges receipt of amendment(s)

	Number(s)	Date(s)
11.	Name and Address of Offeror:	12. Name and Title of Person Authorized to Sign Offer (TYPE OR PRINT)
13.	Telephone No. (include area code)	14.       Check if remittance address is different from         Above – Enter such address in
		Federal ID No
15.	Signature:	Offer Date:
	AWARD (To b	e completed by Authority)
16.	Accepted as to items numbered:	17. Amount:
18.	Submit invoices to: Accounting and Finance Department accountspayable@hacep.org Attn: Accounts Payable Affordable Housing Acquisition 5300 E. Paisano Dr. El Paso, Texas 79905 – 2931	19.Technical Representative Name:Satish BhaskarTelephone No.915-849-3730
20.	<b>Administered by:</b> Procurement and Contract Compliance Department Affordable Housing Acquisition 5300 E. Paisano Dr.	21. Payment will be made by: Accounts Payable Department Affordable Housing Acquisition 5300 E. Paisano Dr.

23.

El Paso, Texas 79905 - 2931

Signature of Contracting Officer:

(915) 849-3742



Sun Plaza Tower Wellness Clinic

# PART I

## THE SCHEDULE



Sun Plaza Tower Wellness Clinic

## **SECTION B**

## **PRICE SCHEDULE**



Sun Plaza Tower Wellness Clinic

DESCRIPTION	PRICE
ADA COMPLIANT SUN PLAZA TOWER WELLNESS CLINC - MATERIALS	
ADA COMPLIANT SUN PLAZA TOWER WELLNESS CLINC - LABOR	
GRAND TOTAL	



Sun Plaza Tower Wellness Clinic

## **SECTION C**

## **SCOPE OF SERVICES**



## **PROJECT DESCRIPTION**

The Housing Authority of the City of El Paso (HACEP) is requesting proposals for an ADA compliant Health Clinic that will be located at the first floor at Sun Plaza Tower Apartments located at 1221 E. San Antonio Ave. El Paso, TX, 79901. The Tenant improvements is to convert approximately 1594 S.F. of leasable area from common space for the tenant to a health clinic for the tenants to use and the public that will be compliant with ADA regulations and guidelines. This new space will be a part time clinic, which will have a main office, medical storage room, reception and waiting room. On the interior, the space will include two exam rooms, a room used for drawing blood or exam preparation. The space also includes restrooms, soiled and clean linen and an IT room and an electrical room as per drawings provided. HACEP is seeking a licensed, insured and bonded contractor for the improvement of the Wellness Health Clinic. The contract time will be 120 calendar days and liquidated damages will apply after in the amount of \$200.00/calendar day.

## Mandatory on-site pre-proposal conference for contractor's inspection and review of scope of work, will be held on February 6, 2020 from 9:00am – 11:00am MST for verification at Sun Plaza Tower Apartments located at 1221 E. San Antonio Ave. El Paso, TX 79901.

The Contractor's obligations and responsibilities are described but not limited to the extent of this **document**, the complete scope and work details are defined and described on the **attached drawings** and specifications presented by WDA Architects, Inc.

### **General Conditions:**

- 1. Access to site: Contractor shall have complete use of project site portion of building for construction operations during construction period. Contractor's use of project site will be limited by the owner's and tenant's occupancy and by owner's right to perform work or to retain other contractors on portions of the project.
- 2. Use of site: Limit work to areas indicated. Do not disturb portions of project site beyond areas in which the work is indicated.
- 3. Limits: Confine construction operations will be confined to areas within the project boundary shown on the drawings.
- 4. Driveways, walkways and entrances: Keep driveways and entrances serving adjacent apartments clear and available to owner, owner's employees, tenants and emergency vehicles at all times. Maintain access to existing walkways, corridors and other adjacent occupied or used facilities. Do not close or obstruct walkways, corridors, or facilities without written permission from owner and authorities having jurisdiction. Do not use these areas for parking or storage of materials. Schedule deliveries to



minimize use of driveways and entrances by construction operations, and minimize space and time requirements for storage on-site.

- 5. Partial Owner Occupancy: The owner will occupy the premises during the entire construction period, with the exception of areas under construction. Cooperate with owner during construction operations to minimize conflicts and facilitate owner usage. Perform the work so as not to interfere with owner's operations. Maintain existing exits unless otherwise indicated
- 6. Owner limited occupancy of completed areas: Owner reserves the right to occupy and to place and install equipment in completed portions of the work, prior to substantial completion, provided such occupancy does not interfere with completion of work. Before limited Owner occupancy, a certificate of occupancy from authorities having jurisdiction should be obtained, mechanical and electrical systems shall be fully operational on occupied portion of the work. On occupancy, owner will assume responsibility for maintenance and custodial service for occupied portions of the work.
- 7. Work restrictions: Comply with limitations on use of public streets and with other requirements of authorities having jurisdiction.
- 8. On-site work hours: Limit work to normal business hours of 8:00 am to 5:00 pm, Monday to Friday, unless otherwise indicated. Weekend and early morning hours per local ordinance and when approved in writing by the owner.
- 9. Existing utility interruptions. Provide no less than 48-hour notice to owner of activities that will affect owners' operations. Obtain owners written permission before proceeding with any interruptions.
- 10. Contractor shall take precautions to protect existing trees and/or on-site vegetation.
- 11. Contractor is responsible for all applications, obtain and pay for all permits, deposits and fees (including utility connections fees, utility extension fees, tap fees and/or impact fees).
- 12. All work shall be performed in strict accordance with the applicable and adopted provisions of the following codes (interpreted and adopted by the State of Texas, City of El Paso and the National Fire Protection Association regulations:
  - 2017 National Building Code
  - 2015 International Building Code
  - 2015 International Plumbing Code
  - 2015 International Mechanical Code
  - 2015 International Fire Code
  - 2015 International Fuel Code
  - 2015 International Energy Conservation Code
- 13. The contractor to coordinate with owner, architect and engineer for any work that has the potential to hinder electrical services to the areas outside of this contract. All shut downs or tie-ins relating to these systems shall be scheduled and submitted in writing



to be approved by the owner's facility manager, owner, architect and/or engineer. Contractor will need to coordinate and keep informed property manager and owner for any electrical shut downs needed throughout the length of the project.

- 14. Noise, vibration and odors: Notify and coordinate with owner's representative any operations that may result in high levels of noise and vibration, odors or other disruption to owner.
- 15. Permits and Warranty: Contractor will be responsible in providing HACEP with City permits, labor warranties and the manufacturer warranty as necessary.
- 16. Engaging Residents: HACEP adheres to and enforces a strict policy regarding fraternization between HACEP Employees and residents. By accepting this proposal, we will expect the selected contractor(s) to also adhere to these rules. Furthermore, the selected contractor(s) will refrain from permitting its employees to enter into "side agreements" for repairs with HACEP residents. These practices may compromise the contractual obligations between both entities and potentially create a conflict of interest.
- 17. The vendor/contractor employees must be in their respective uniforms and have the appropriate credentials of their company while on the job site, which includes the proper signage on company vehicles as HACEP has a strict towing policy. Vendors/contractor selected under this solicitation will have their service vehicles added to the allowed vehicle lists at the community.
- 18. Any person inside the project construction area is required to wear the necessary personal protection equipment (PPE) at all times, it is the responsibility of the contractor to enforce the use of PPE.

### SCOPE OF WORK

### Health Clinic Demolition:

- 1. Provide interior and exterior shoring, bracing or support to prevent movement, settlement or collapse of areas to be demolished and adjacent facilities to remain.
- 2. Perform selective demolition work in a systematic manner. Use such methods as required to complete work indicated on drawings in accordance with demolition schedule and governing regulations.
- 3. Saw cut through concrete slab as required.
- 4. Backfill to the level of the original ground-line, all excavation made in, and all openings below, the natural ground-line cause by the removal of old structures.
- 5. Remove from building site debris, rubbish and other materials resulting from demolition operation. Transport and legally dispose off-site.
- 6. All removed materials, debris and trash will be disposed by contractor properly, on contractor's supplied containers. Outside and inside work areas should be kept clean of debris or trash every day.



- 7. Remove existing wall panels and frame and prepare to build new exterior wall with new aluminum door.
- 8. Remove existing concrete slab, sawcut perimeter of area to be removed as shown on drawings.
- 9. Remove existing window to be replaced by louver as per mechanical drawings.
- 10. Remove existing walls and framing as shown on drawings.
- 11. Remove existing doors and frames and prepare to block, relocate or reverse swing as shown on drawings.
- 12. Remove portion of existing wall and handrails and prepare to install new door.
- 13. Remove portion of existing flooring and prepare surface for new porcelain tile as shown on drawings.
- 14. Existing fire sprinkler system is to remain in place and be modified as necessary per the design of a professional fire protection engineer hired by the contractor.
- 15. Remove and cap existing condensate lines. Lines will be rerouted for future relocation as shown on drawings.
- 16. Remove existing conduits and conductors that will not be reused as shown on drawings.
- 17. Retain and reuse receptacles, boxes and data/phone outlets as possible.
- 18. Existing disconnect fan coil to be adjusted to new location as shown on drawings.
- 19. Retain and reuse existing light fixtures as shown on drawings.
- 20. Existing ductwork, associated fittings, volume damper, insulation and hangers shall be removed and reused as shown on drawings.
- 21. Existing supply air and return registers shall be removed and reused as shown on drawings.

## Health Clinic Plumbing:

- 1. See plumbing fixture schedule for sizes of connections to individual fixtures, all plumbing fixtures, piping, fitting and equipment shall be lead free per the reduction of lead in drinking water act 2014.
- 2. Contractor shall route primary condensate drain via riser as indicated on the drawings. Pipe size shall be minimum <sup>3</sup>/<sub>4</sub>" on riser and from each air handler unless noted otherwise.
- 3. Provide isolation valves in CW and HW piping as needed or as shown for all groups of fixtures.
- 4. All PVC plumbing traps that are located below the slab or in concealed places shall be deep seal type.



- 5. All cold, hot and recirculation water piping shall follow the minimum pipe material requirement schedule.
- 6. Provide each cold and hot water system a minimum of one water hammer arrestor as indicated on the drawings.
- 7. Install new sewer piping as indicated. Maintain slope of sewer mains per code.
- 8. Provide and install a new bathroom lavatory, connect to new sewer and vent connections. Run cold and hot water piping as indicated on the drawing.
- 9. Provide and install a new bathroom water closet, connect to the new sewer and vent connections, run cold and hot water piping as indicated on the drawings.
- 10. Provide and install a new clinical sink, connect to the new sewer and vent connections, run new cold-water piping as indicated on the drawings.
- 11. Provide and install a new hand sink, connect to the new sewer and vent connections, run new cold-water piping as indicated on the drawings.
- 12. Connect fan coil condensate to new <sup>3</sup>/<sub>4</sub>" condensate drain.
- 13. New vent should be connected to the existing vents system.
- 14. Existing fire sprinkler head and piping to be modified as required for new room layout, per fire protection professional hired by the contractor.
- 15. Insulate cold, hot and recirculation piping.

## Health Clinic Electrical:

- 1. Contractor shall comply with NFPA-70E for lockout-tagout and protection from shock and arc flash.
- 2. All exposed conduit shall be painted to match adjacent surfaces.
- 3. Provide blank metal cover plates over all unused outlet boxes. Paint cover plate to match adjacent surfaces.
- 4. All receptacles to be 20A specification grade, ivory, wall plates to match or as specified in drawings.
- 5. Contractor is to provide and install identification tags for equipment and conduits as per code
- 6. Contractor is responsible for all applications, obtain and pay for all permits, deposits and fees (including utility connections fees, utility extension fees, tap fees and/or impact fees)
- 7. Support all fixtures from structure above ceiling tiles or plaster. Ceiling shall not support fixtures.
- 8. Contractor shall do the necessary adjustments to relocate, extend and install new receptacle devices, conduits, wiring and to reconnect existing sources as per drawings.



- 9. Existing conduit and wiring for receptacles and lighting to be reused to the extent possible. Where new wire paths are necessary use wiremold and low-profile boxes. Contractor shall document any adjustments to the circuiting required and maintain load balance on panel.
- 10. Provide and install phone and coax cable to existing demark and shall be wired with RG-6/u coax and CAT 5 phone cable or better. Test each existing telephone and cable outlets for proper function.
- 11. Where nonfunctional or a new location is required install a new box, wiremold or conduit, pulls string and the appropriate cable.
- 12. Provide and install new GFCI receptacles as shown. Label all GFCI.
- 13. Provide and install new securitron model 32 magnetic lock connected with fire alarm system to release when alarm is activated. Coordinate with fire alarm contractor. Include keyed switch in corridor for control by UMC office. Magnetic lock shall deactivate when power goes out. Contractor shall provide transformer, wiring, connections and accessories for a fully functional system that works with the existing fire alarm. The keyed lock switch shall be keyed to match the door locks in the UMC space. Magnetic lock shall also have an override switch in IMC office in case of failure on exit side.
- 14. Install new (4) # 12 THWN and #12 cu ground in 2-1/2" conduit as shown in drawings.
- 15. Install new 3P 40A 208/120V Panel and metering part number.
- 16. Install new 480:208V 15 KVA transformer with 40A disconnect mounted above ceiling.
- 17. Install patient assist notification system at locations marked on drawings.
- 18. Contractor to follow electrical drawings for demolition and installation procedures of all necessary electrical items needed for this project.

## Health Clinic Mechanical:

- 1. Balancing (NEEB Certified) contractor shall balance the HVAC systems using AABC or NEBB standards.
- 2. Ductwork shall be galvanized steel (G90) and dimensions are internal sheet metal sizes. Ductwork to be wrapped with external insulation and vapor sealed per energy code Ductwork insulation criteria schedule.
- 3. Duct construction, support, fittings, and connections shall be in conformance with SMACNA HVAC ductwork class construction. All Transverse joints, longitudinal seams and sheet metal duct wall penetrations shall be sealed per SMACNA recommendations. Each 90-degree duct elbows, fittings and splitters shall have turning vanes. Provide and install volume extractor at branch take-offs serving more than one device or where shown.



- 4. Flexible duct shall be insulated type min R-8 and any one piece shall no exceed 5'-0" in length.
- 5. Contractor shall provide means of access to air handlers, water valves, fans, cleanouts, piping, conduit, air balance dampers, fire/smoke dampers and other mechanical devices after construction is complete.
- 6. Provide and install one-hour fire dampers in accordance with NFPA 90A and UL 555 where indicated.
- 7. Hydronic piping material, schedule hangers and supports shall be in accordance with MSS-SP58, MSS-SP69 and SS-SP89.
- 8. In addition to the hydronic piping being replaced, an allowance for an additional 200 feet of hydronic piping and insulation shall be included in the bid.
- 9. Provide and install new indoor unit (HP-01) as per manufacturer recommendations. Refer to pipe diagram for additional information. Refer to plumbing plans for condensing piping.
- 10. Rebalance existing supply air register as shown.
- 11. Relocate existing wall mounted thermostats per schematic.
- 12. Provide and install new ceiling mounted exhaust fans where indicated in drawings. Transition as required.
- 13. Install new wall mounted exhaust louver (L-E). Transition to ductwork as required.
- 14. Coordinate all new ductwork with all HVAC piping, electrical and plumbing.
- 15. New refrigerant pipe shall run inside chase, extend to the basement and connect to condenser unit (CU-01) as per manufacturers recommendations, as shown in drawings.
- 16. Provide and install new condensing unit on 6" housekeeping pad at grade. Route new insulated refrigerant piping (3/4 RS and ¼" RL). For additional information refer to mechanical schematics.

## Health Clinic Fire Protection:

- 1. Contractor is to hire a professional fire protection engineer to re-design the existing fire sprinkler system and installation of new fire sprinklers and modifications to the system as required per the new area layout configuration. These are adjustments to the existing sprinkler system only. Fire protection engineer is also to provide the redesign of the existing fire alarm system as required for the new space layout as well.
- 2. At the end of the project the contractor must provide the final approval certification from the City of El Paso Fire Marshal along with layout of the new sprinkler system configuration and locations.



## Health Clinic Finishes:

- 1. Replace concrete slab in the restroom to match the existing 6" thick slab with reinforcing as described in concrete specification on sheet G1.02.
- 2. Touch up as required and patch floor with full planks with same direction as existing staggered as necessary and to match existing.
- 3. Touch up as required and add base on new walls to match existing.
- 4. Touch up as required and patch, tape, bead and paint new walls to match existing and color (color provided by drawings).
- 5. Block up east wall door opening to receive door tape bead & paint new south wall to match existing, shore ceiling grid to be fitted on new wall arrange electrical light fixtures.
- 6. Provide solid core wood doors with metal frame as shown on drawings.
- 7. Provide solid core wood doors with metal frame and safety glass as shown on drawings.
- 8. All door hardware must be grade 1 best, with IC-cores for locks, new hardware to match existing according to manufacturer, type and color, reuse existing hardware as possible, all new doors to have 3 hinges and doorstops. Provide kick plate, panic hardware, closer and card reader where and as specified on drawings.
- 9. Provide new sliding privacy curtain system by 'On the right track systems'. Curtain pattern mini squares sea.
- 10. Provide and install S.S. recessed specimen pass-thru cabinet, 'Global Industrial' model 670148 or approved equal.
- 11. Existing door and hardware to be relocated in new frame, touch up as required.
- 12. Provide and install new door signs to be allocated in the push side of door, use visual & tactile characters, upper case text *Sans Serif* font 5/8" height, braille should be (Grade 2). Room names to be coordinated with owner and tenant to be installed as per TAS recommendations.
- 13. Install 4 <sup>1</sup>/<sub>4</sub>" ceramic tile 48" H wainscot in restrooms as shown on drawings.
- 14. Provide and install new plastic laminated finish cabinets, countertops and front desk, include hardware as shown on drawings and backing for support.
- 15. Provide new tissue dispensers, paper towel dispensers, soap dispensers, sanitizer dispensers and diaper change stations as described on drawings.



Sun Plaza Tower Wellness Clinic

## PART II

## **CONTRACT CLAUSES**



Sun Plaza Tower Wellness Clinic

## **SECTION D**

## MANDATORY CLAUSES



### Federal Acquisition Regulation (FAR) FAR 2005-83/07-02-2015 Part II – Contract Clauses Section D Clauses Incorporated by Reference As applicable:

FAR#:	CLAUSE TITLE	DATE
52.202-1	Definitions	November 2013
52.203-3	Gratuities	April 1984
52.203-5	Covenant Against Contingent Fees	May 2014
52.203-7	Anti-Kickback Procedures	May 2014
52.209-6	Protecting the Governments Interest when Sub-contracting with	
	Contractors Debarred, Suspended or Proposed for Debarment	October 2015
52.215-2	Audit and Records – Negotiation	October 2010
52.215-8	Order of Precedence – Uniform Contract Format	October 1997
52.215-14	Integrity of Unit Prices	October 2010
52.217-6	Option for Increased Quantity	March 1989
52.217-9	Option to Extend the Term of the Contract	March 2000
52.222-4	Contract Work Hours and Safety Standards Act – Overtime	
	Compensation	May 2014
52.222-6	Construction Wage Rate Requirements	May 2014
52.222-18	Certification Requiring Knowledge of Child Labor for Listed End	February 2001
	Products	
52.222-20	Contracts for Materials, Supplies, Articles and Equipment Exceeding \$15,000	May 2014
52.222-26	Equal Opportunity	September 2016
52.222-35	Equal Opportunity for Veterans	July 2014
52.222-36	Equal Opportunity for Workers With Disabilities	July 2014
52.223-2	Affirmative Procurement of Biobased Products Under Services and Construction Contracts	September 2013
52.223-6	Drug Free Work Place	May 2001
52.227-1	Authorization and Consent	December 2007



52.228-5	Insurance – Work on a Government Installation	January 1997
52.229-3	Federal, State and Local Taxes	February 2013
52.232-7	Payments Under Time-and-Materials and Labor-Hour Contracts	August 2012
52.232-18	Availability of Funds	April 1984
52.232-23	Assignment of Claims	May 2014
52.236-3	Site Investigation and Conditions Affecting the Work	July 1995
52.237-2	Protection of Government Buildings, Equipment and Vegetation	April 1984
52.237-3	Continuity of Services	January 1991
52.242-13	Bankruptcy	July 1995
52.243-3	Changes – Time-and-Materials or Labor-Hours	September 2000
52.243-7	Notification of Changes	January 2017
52.246-17	Warranty of Supplies of a Non-complex Nature	June 2003
52.248-1	Value Engineering	October 2010
52.249-2	Termination for Convenience of the Government (Fixed Price)	April 2012
52.249-8	Default (Fixed Price Supply & Service)	April 1984
52.249-14	Excusable Delays	April 1984
52.252-2	Clauses Incorporated by Reference:	
	This contract incorporates one or more clauses by reference, with the	
	same forced effect as if they were given in full text.	February 1998



### General Conditions for Construction Contracts - Public Housing Programs

U.S. Department of Housing and Urban Development Office of Public and Indian Housing OMB Approval No. 2577-0157 (exp. 3/31/2020)

Applicability. This form is applicable to any construction/development contract greater than \$150,000.

This form includes those clauses required by OMB's common rule on grantee procurement, implemented at HUD in 2 CFR 200, and those requirements set forth in Section 3 of the Housing and Urban Development Act of 1968 and its amendment by the Housing and Community Development Act of 1992, implemented by HUD at 24 CFR Part 135. The form is required for construction contracts awarded by Public Housing Agencies (PHAs).

The form is used by Housing Authorities in solicitations to provide necessary contract clauses. If the form were not used, HAs would be unable to enforce their contracts.

Public reporting burden for this collection of information is estimated to average 1.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Responses to the collection of information are required to obtain a benefit or to retain a benefit. The information requested does not lend itself to confidentiality.

HUD may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB number.

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#### 1. Definitions

- (a) "Architect" means the person or other entity engaged by the PHA to perform architectural, engineering, design, and other services related to the work as provided for in the contract. When a PHA uses an engineer to act in this capacity, the terms "architect" and "engineer" shall be synonymous. The Architect shall serve as a technical representative of the Contracting Officer. The Architect's authority is as set forth elsewhere in this contract.
- (b) "Contract" means the contract entered into between the PHA and the Contractor. It includes the forms of Bid, the Bid Bond, the Performance and Payment Bond or Bonds or other assurance of completion, the Certifications, Representations, and Other Statements of Bidders (form HUD-5370), these General Conditions of the Contract for Construction (form HUD-5370), the applicable wage rate determinations from the U.S. Department of Labor, any special conditions included elsewhere in the contract, the specifications, and drawings. It includes all formal change to any of those documents by addendum, change order, or other modification.
- (c) "Contracting Officer" means the person delegated the authority by the PHA to enter into, administer, and/or terminate this contract and designated as such in writing to the Contractor. The term includes any successor Contracting Officer and any duly authorized representative of the Contracting Officer also designated in writing. The Contracting Officer shall be deemed the authorized agent of the PHA in all dealings with the Contractor.
- (d) "Contractor" means the person or other entity entering into the contract with the PHA to perform all of the work required under the contract.
- required under the contract. (e) "Drawings" means the drawings enumerated in the schedule of drawings contained in the Specifications and as described in the contract clause entitled Specifications and Drawings for Construction herein.
- (f) "HUD" means the United States of America acting through the Department of Housing and Urban Development including the Secretary, or any other person designated to act on its behalf. HUD has agreed, subject to the provisions of an Annual Contributions Contract (ACC), to provide financial assistance to the PHA, which includes assistance in financing the work to be performed under this contract. As defined elsewhere in these General Conditions or the contract documents, the determination of HUD may be required to authorize changes in the work or for release of funds to the PHA for payment to the Contractor. Notwithstanding HUD's role, nothing in this contract shall be construed to create any contractual relationship between the Contractor and HUD.
- (g) "Project" means the entire project, whether construction or rehabilitation, the work for which is provided for in whole or in part under this contract.
- (h) "PHA" means the Public Housing Agency organized under applicable state laws which is a party to this contract.
- (j) "Specifications" means the written description of the technical requirements for construction and includes the criteria and tests for determining whether the requirements are met.
- "Work" means materials, workmanship, and manufacture and fabrication of components.

2. Contractor's Responsibility for Work

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- (a) The Contractor shall furnish all necessary labor, materials, tools, equipment, and transportation necessary for performance of the work. The Contractor shall also furnish all necessary water, heat, light, and power not made available to the Contractor by the PHA pursuant to the clause entitled Availability and Use of Utility Services herein.
- (b) The Contractor shall perform on the site, and with its own organization, work equivalent to at least [ ] (12 percent unless otherwise indicated) of the total amount of work to be performed under the order. This percentage may be reduced by a supplemental agreement to this order if, during performing the work, the Contractor requests a reduction and the Contracting Officer determines that the reduction would be to the advantage of the PHA.
  (c) At all times during performance of this contract and until
- (c) At all times during performance of this contract and until the work is completed and accepted, the Contractor shall directly superintend the work or assign and have on the work site a competent superintendent who is satisfactory to the Contracting Officer and has authority to act for the Contractor.
- (d) The Contractor shall be responsible for all damages to persons or property that occur as a result of the Contractor's fault or negligence, and shall take proper safety and health precautions to protect the work, the workers, the public, and the property of others. The Contractor shall hold and save the PHA, its officers and agents, free and harmless from liability of any nature occasioned by the Contractor's performance. The Contractor shall also be responsible for all materials delivered and work performed until completion and acceptance of the entire work, except for any completed unit of work which may have been accepted under the contract.
- (e) The Contractor shall lay out the work from base lines and bench marks indicated on the drawings and be responsible for all lines, levels, and measurements of all work executed under the contract. The Contractor shall verify the figures before laying out the work and will be held responsible for any error resulting from its failure to do so.
- (f) The Contractor shall confine all operations (including storage of materials) on PHA premises to areas authorized or approved by the Contracting Officer.
- (g) The Contractor shall at all times keep the work area, including storage areas, free from accumulations of waste materials. After completing the work and before final inspection, the Contractor shall (1) remove from the premises all scaffolding, equipment, tools, and materials (including rejected materials) that are not the property of the PHA and all rubbish caused by its work; (2) leave the work area in a clean, neat, and orderly condition satisfactory to the Contracting Officer; (3) perform all specified tests; and, (4) deliver the installation in complete and operating condition.
- (h) The Contractor's responsibility will terminate when all work has been completed, the final inspection made, and the work accepted by the Contracting Officer. The Contractor will then be released from further obligation except as required by the warranties specified elsewhere in the contract.

#### 3. Architect's Duties, Responsibilities, and Authority

(a) The Architect for this contract, and any successor, shall be designated in writing by the Contracting Officer.

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(b) The Architect shall serve as the Contracting Officer's technical representative with respect to architectural, engineering, and design matters related to the work performed under the contract. The Architect may provide direction on contract performance. Such direction shall be within the scope of the contract and may not be of a nature which: (1) institutes additional work outside the scope of the contract; (2) constitutes a change as defined in the Changes clause herein; (3) causes an increase or decrease in the cost of the contract; (4) alters the Construction Progress Schedule; or (5) changes any of the other express terms or conditions of the contract. The Architect's duties and responsibilities may include but (c)

shall not be limited to:

- (1) Making periodic visits to the work site, and on the basis of his/her on-site inspections, issuing written reports to the PHA which shall include all observed deficiencies. The Architect shall file a copy of the report with the Contractor's designated representative at the site;
- (2) Making modifications in drawings and technical specifications and assisting the Contracting Officer in
- specifications and assisting the Contracting Officer in the preparation of change orders and other contract modifications for issuance by the Contracting Officer;
   (3) Reviewing and making recommendations with respect to (i) the Contractor's construction progress schedules; (ii) the Contractor's shop and detailed drawings; (iii) the machinery, mechanical and other equipment and materials or other articles proposed for use by the Contractor; and, (iv) the Contractor's price breakdown and progress payment estimates; and
- (4) Assisting in inspections, signing Certificates of Completion, and making recommendations with respect to acceptance of work completed under the contract.

#### 4. Other Contracts

The PHA may undertake or award other contracts for additional work at or near the site of the work under this contract. The Contractor shall fully cooperate with the other contractors and with PHA employees and shall carefully adapt scheduling and performing the work under this contract to accommodate the additional work, heeding any direction that may be provided by the Contracting Officer. The Contractor shall not commit or permit any act that will interfere with the performance of work by any other contractor or by PHA employees

#### Construction Requirements

#### 5. Pre-construction Conference and Notice to Proceed

- (a) Within ten calendar days of contract execution, and prior to the commencement of work, the Contractor shall attend a preconstruction conference with representatives of the PHA, its Architect, and other interested parties convened by the PHA. The conference will serve to acquaint the participants with the general plan of the construction operation and all other requirements of the contract. The PHA will provide the Contractor with the date, time, and place of the conference.
- (b) The contractor shall begin work upon receipt of a written Notice to Proceed from the Contracting Officer or designee. The Contractor shall not begin work prior to receiving such notice.

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#### 6. Construction Progress Schedule

- (a) The Contractor shall, within five days after the work commences on the contract or another period of time determined by the Contracting Officer, prepare and submit to the Contracting Officer for approval three copies of a practicable schedule showing the order in which the Contractor proposes to perform the work, and the dates on which the Contractor contemplates starting and completing the several salient features of the work (including acquiring labor, materials, and equipment). The schedule shall be in the form of a progress chart of suitable scale to indicate appropriately the percentage of work scheduled for completion by any given date during the period. If the Contractor fails to submit a schedule within the time prescribed, the Contracting Officer may withhold approval of progress payments or take other remedies under the contract until the Contractor submits the required schedule.
- (b) The Contractor shall enter the actual progress on the chart as required by the Contracting Officer, and immediately deliver three copies of the annotated schedule to the Contracting Officer. If the Contracting Officer determines, upon the basis of inspection conducted pursuant to the clause entitled Inspection and Acceptance of Construction, herein that the Contractor is not meeting the approved schedule, the Contractor shall take steps necessary to improve its progress, including those that may be required by the Contracting Officer, without additional cost to the PHA. In this circumstance, the Contracting Officer may require the Contractor to increase the number of shifts, overtime operations, days of work, and/or the amount of construction plant, and to submit for approval any supplementary schedule or schedules in chart form as the Contracting Officer deems necessary to demonstrate how the approved rate of progress will be regained.
- (c) Failure of the Contractor to comply with the requirements of the Contracting Officer under this clause shall be grounds for a determination by the Contracting Officer that the Contractor is not prosecuting the work with sufficient diligence to ensure completion within the time specified in the Contract. Upon making this determination, the Contracting Officer may terminate the Contractor's right to proceed with the work, or any separable part of it, in accordance with the Default clause of this contract.

#### 7. Site Investigation and Conditions Affecting the Work

(a) The Contractor acknowledges that it has taken steps reasonably necessary to ascertain the nature and location of the work, and that it has investigated and satisfied itself as to the general and local conditions which can affect the work or its cost, including but not limited to, (1) conditions bearing upon transportation, disposal, handling, and storage of materials; (2) the availability of labor, water electric power, and roads;(3) uncertainties of weather river stages, tides, or similar physical conditions at the site; (4) the conformation and conditions of the ground; and (5) the character of equipment and facilities needed preliminary to and during work performance. The Contractor also acknowledges that it has satisfied itself as to the character, quality, and quantity of surface and subsurface materials or obstacles to be encountered insofar as this information is

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reasonably ascertainable from an inspection of the site, including all exploratory work done by the PHA, as well as from the drawings and specifications made a part of this contract. Any failure of the Contractor to take the actions described and acknowledged in this paragraph will not relieve the Contractor from responsibility for estimating properly the difficulty and cost of successfully performing the work, or for proceeding to successfully perform the work without additional expense to the PHA.
(b) The PHA assumes no responsibility for any conclusions

(b) The PHA assumes no responsibility for any conclusions or interpretations made by the Contractor based on the information made available by the PHA. Nor does the PHA assume responsibility for any understanding reached or representation made concerning conditions which can affect the work by any of its officers or agents before the execution of this contract, unless that understanding or representation is expressly stated in this contract.

#### 8. Differing Site Conditions

- (a) The Contractor shall promptly, and before the conditions are disturbed, give a written notice to the Contracting Officer of (1) subsurface or latent physical conditions at the site which differ materially from those indicated in this contract, or (2) unknown physical conditions at the site(s), of an unusual nature, which differ materially from those ordinarily encountered and generally recognized as inhering in work of the character provided for in the contract.
- (b) The Contracting Officer shall investigate the site conditions promptly after receiving the notice. Work shall not proceed at the affected site, except at the Contractor's risk, until the Contracting Officer has provided written instructions to the Contractor. If the conditions do materially so differ and cause an increase or decrease in the Contractor's cost of, or the time required for, performing any part of the work under this contract, whether or not changed as a result of the conditions, the Contractor shall file a claim in writing to the PHA within ten days after receipt of such instructions and, in any event, before proceeding with the work. An equitable adjustment in the contract price, the delivery schedule, or both shall be made under this clause and the contract modified in writing accordingly.
- (c) No request by the Contractor for an equitable adjustment to the contract under this clause shall be allowed, unless the Contractor has given the written notice required; provided, that the time prescribed in (a) above for giving written notice may be extended by the Contracting Officer.
- (d) No request by the Contractor for an equitable adjustment to the contract for differing site conditions shall be allowed if made after final payment under this contract.

#### 9. Specifications and Drawings for Construction

(a) The Contractor shall keep on the work site a copy of the drawings and specifications and shall at all times give the Contracting Officer access thereto. Anything mentioned in the specifications and not shown on the drawings, or shown on the drawings and not mentioned in the specifications, shall be of like effect as if shown or mentioned in both. In case of difference between drawings and specifications, the specifications shall govern. In case of discrepancy in the figures, in the drawings, or in the specifications, the matter shall be

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- (b) Wherever in the specifications or upon the drawings the words "directed", "required", "ordered", "designated", "prescribed", or words of like import are used, it shall be understood that the "direction", "requirement", "order", "designation", or "prescription", of the Contracting Officer is intended and similarly the words "approved", "acceptable", "satisfactory", or words of like import shall mean "approved by", or "acceptable to", or "satisfactory to" the Contracting Officer, unless otherwise expressly stated.
- (c) Where "as shown" "as indicated", "as detailed", or of similar import are used, it shall be understood that the reference is made to the drawings accompanying this contract unless stated otherwise. The word "provided" as used herein shall be understood to mean "provide complete in place" that is "furnished and installed".
- (d) "Shop drawings" means drawings, submitted to the PHA by the Contractor, subcontractor, or any lower tier subcontractor, showing in detail (1) the proposed fabrication and assembly of structural elements and (2) the installation (i.e., form, fit, and attachment details) of materials of equipment. It includes drawings, diagrams, layouts, schematics, descriptive literature, illustrations, schedules, performance and test data, and similar materials furnished by the Contractor to explain in detail specific portions of the work required by the contract. The PHA may duplicate, use, and disclose in any manner and for any purpose shop drawings delivered under this contract.
- (e) If this contract requires shop drawings, the Contractor shall coordinate all such drawings, and review them for accuracy, completeness, and compliance with other contract requirements and shall indicate its approval thereon as evidence of such coordination and review. Shop drawings submitted to the Contracting Officer without evidence of the Contractor's approval may be returned for resubmission. The Contracting Officer will indicate an approval or disapproval of the shop drawings and if not approved as submitted shall indicate the PHA's reasons therefore. Any work done before such approval shall be at the Contractor's risk. Approval by the Contracting Officer shall not relieve the Contractor from responsibility for any errors or omissions in such drawings, nor from responsibility for complying with the requirements of this contract, except with respect to variations described and approved in accordance with (f) below.
- (f) If shop drawings show variations from the contract requirements, the Contractor shall describe such variations in writing, separate from the drawings, at the time of submission. If the Architect approves any such variation and the Contracting Officer concurs, the Contracting Officer shall issue an appropriate modification to the contract, except that, if the variation is minor or does not involve a change in price or in time of performance, a modification need not be issued.
  (g) It shall be the responsibility of the Contractor to make
- (g) It shall be the responsibility of the Contractor to make timely requests of the PHA for such large scale and full size drawings, color schemes, and other additional information, not already in his possession, which shall be

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required in the planning and production of the work. Such requests may be submitted as the need arises, but each such request shall be filed in ample time to permit appropriate action to be taken by all parties involved so as to avoid delay.

- (h) The Contractor shall submit to the Contracting Officer for approval four copies (unless otherwise indicated) of all shop drawings as called for under the various headings of these specifications. Three sets (unless otherwise indicated) of all shop drawings, will be retained by the PHA and one set will be returned to the Contractor. As required by the Contracting Officer, the Contractor, upon completing the work under this contract, shall furnish a complete set of all shop drawings as finally approved. These drawings shall show all changes and revisions made up to the time the work is completed and accepted.
- (i) This clause shall be included in all subcontracts at any tier. It shall be the responsibility of the Contractor to ensure that all shop drawings prepared by subcontractors are submitted to the Contracting Officer.

#### 10. As-Built Drawings

- (a) "As-built drawings," as used in this clause, means drawings submitted by the Contractor or subcontractor at any tier to show the construction of a particular structure or work as actually completed under the contract. "As-built drawings" shall be synonymous with "Record drawings."
- (b) As required by the Contracting Officer, the Contractor shall provide the Contracting Officer accurate information to be used in the preparation of permanent as-built drawings. For this purpose, the Contractor shall record on one set of contract drawings all changes from the installations originally indicated, and record final locations of underground lines by depth from finish grade and by accurate horizontal offset distances to permanent surface improvements such as buildings, curbs, or edges of walks.
- (c) This clause shall be included in all subcontracts at any tier. It shall be the responsibility of the Contractor to ensure that all as-built drawings prepared by subcontractors are submitted to the Contracting Officer.

#### 11. Material and Workmanship

(a) All equipment, material, and articles furnished under this contract shall be new and of the most suitable grade for the purpose intended, unless otherwise specifically provided in this contract. References in the contract to equipment, material, articles, or patented processes by trade name, make, or catalog number, shall be regarded as establishing a standard of quality and shall not be construed as limiting competition. The Contractor may, at its option, use any equipment, material, article, or process that, in the judgment of, and as approved by the Contracting Officer, is equal to that named in the specifications, unless otherwise specifically provided in this contract.

(b) Approval of equipment and materials.

(1) The Contractor shall obtain the Contracting Officer's approval of the machinery and mechanical and other equipment to be incorporated into the work. When requesting approval, the Contractor shall furnish to the Contracting Officer the name of the manufacturer, the model number, and other information concerning the performance, capacity, nature, and rating of the

Previous editions are obsolete Replaces form HUD-5370-A machinery and mechanical and other equipment. When required by this contract or by the Contracting Officer, the Contractor shall also obtain the Contracting Officer's approval of the material or articles which the Contractor contemplates incorporating into the work. When requesting approval, the Contractor shall provide full information concerning the material or articles. Machinery, equipment, material, and articles that do not have the required approval shall be installed or used at the risk of subsequent rejection.

- (2) When required by the specifications or the Contracting Officer, the Contractor shall submit appropriately marked samples (and certificates related to them) for approval at the Contractor's expense, with all shipping charges prepaid. The Contractor shall label, or otherwise properly mark on the container, the material or product represented, its place of origin, the name of the producer, the Contractor's name, and the identification of the construction project for which the material or product is intended to be used.
- (3) Certificates shall be submitted in triplicate, describing each sample submitted for approval and certifying that the material, equipment or accessory complies with contract requirements. The certificates shall include the name and brand of the product, name of manufacturer, and the location where produced.
- (4) Approval of a sample shall not constitute a waiver of the PHA right to demand full compliance with contract requirements. Materials, equipment and accessories may be rejected for cause even though samples have been approved.
- (5) Wherever materials are required to comply with recognized standards or specifications, such specifications shall be accepted as establishing the technical qualities and testing methods, but shall not govern the number of tests required to be made nor modify other contract requirements. The Contracting Officer may require laboratory test reports on items submitted for approval or may approve materials on the basis of data submitted in certificates with samples. Check tests will be made on materials delivered for use only as frequently as the Contracting Officer determines necessary to insure compliance of materials which fail to meet contract requirements and/or testing materials offered in substitution for those found deficient.
  (6) After approval, samples will be kept in the Project
- (6) After approval, samples will be kept in the Project office until completion of work. They may be built into the work after a substantial quantity of the materials they represent has been built in and accepted.
- (c) Requirements concerning lead-based paint. The Contractor shall comply with the requirements concerning lead-based paint contained in the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. 4821-4846) as implemented by 24 CFR Part 35.

#### 12. Permits and Codes

(a) The Contractor shall give all notices and comply with all applicable laws, ordinances, codes, rules and regulations. Notwithstanding the requirement of the Contractor to comply with the drawings and specifications in the contract, all work installed shall comply with all applicable codes and regulations as amended by any

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waivers. Before installing the work, the Contractor shall examine the drawings and the specifications for compliance with applicable codes and regulations bearing on the work and shall immediately report any discrepancy it may discover to the Contracting Officer. Where the requirements of the drawings and specifications fail to comply with the applicable code or regulation, the Contracting Officer shall modify the contract by change order pursuant to the clause entitled Changes herein to conform to the code or regulation.

- (b) The Contractor shall secure and pay for all permits, fees, and licenses necessary for the proper execution and completion of the work. Where the PHA can arrange for the issuance of all or part of these permits, fees and licenses, without cost to the Contractor, the contract amount shall be reduced accordingly.
- 13. Health, Safety, and Accident Prevention
- (a) In performing this contract, the Contractor shall:
  - (1) Ensure that no laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to his/her health and/or safety as determined under construction safety and health standards promulgated by the Secretary of Labor by regulation;
  - (2) Protect the lives, health, and safety of other persons;(3) Prevent damage to property, materials, supplies, and
- equipment; and, (4) Avoid work interruptions.
- (b) For these purposes, the Contractor shall:
  - (1) Comply with regulations and standards issued by the Secretary of Labor at 29 CFR Part 1926. Failure to comply may result in imposition of sanctions pursuant to the Contract Work Hours and Safety Standards Act (Public Law 91-54, 83 Stat. 96), 40 U.S.C. 3701 et seq.; and
  - (2) Include the terms of this clause in every subcontract so that such terms will be binding on each subcontractor.
- (c) The Contractor shall maintain an accurate record of exposure data on all accidents incident to work performed under this contract resulting in death, traumatic injury, occupational disease, or damage to property, materials, supplies, or equipment, and shall report this data in the manner prescribed by 29 CFR Part 1904.
- (d) The Contracting Officer shall notify the Contractor of any noncompliance with these requirements and of the corrective action required. This notice, when delivered to the Contractor or the Contractor's representative at the site of the work, shall be deemed sufficient notice of the noncompliance and corrective action required. After receiving the notice, the Contractor shall immediately take corrective action. If the Contractor fails or refuses to take corrective action promptly, the Contracting Officer may issue an order stopping all or part of the work until satisfactory corrective action has been taken. The Contractor shall not base any claim or request for equitable adjustment for additional time or money on any stop order issued under these circumstances.
- (e) The Contractor shall be responsible for its subcontractors' compliance with the provisions of this clause. The Contractor shall take such action with respect to any subcontract as the PHA, the Secretary of Housing and Urban Development, or the Secretary of Labor shall direct as a means of enforcing such provisions.

Previous editions are obsolete Replaces form HUD-5370-A 14. Temporary Heating

The Contractor shall provide and pay for temporary heating, covering, and enclosures necessary to properly protect all work and materials against damage by dampness and cold, to dry out the work, and to facilitate the completion of the work. Any permanent heating equipment used shall be turned over to the PHA in the condition and at the time required by the specifications.

- 15. Availability and Use of Utility Services
- (a) The PHA shall make all reasonably required amounts of utilities available to the Contractor from existing outlets and supplies, as specified in the contract. Unless otherwise provided in the contract, the amount of each utility service consumed shall be charged to or paid for by the Contractor at prevailing rates charged to the PHA or, where the utility is produced by the PHA, at reasonable rates determined by the Contracting Officer. The Contractor shall carefully conserve any utilities furnished without charge.
- (b) The Contractor, at its expense and in a manner satisfactory to the Contracting Officer, shall install and maintain all necessary temporary connections and distribution lines, and all meters required to measure the amount of each utility used for the purpose of determining charges. Before final acceptance of the work by the PHA, the Contractor shall remove all the temporary connections, distribution lines, meters, and associated paraphernalia.
- 16. Protection of Existing Vegetation, Structures, Equipment, Utilities, and Improvements
- (a) The Contractor shall preserve and protect all structures, equipment, and vegetation (such as trees, shrubs, and grass) on or adjacent to the work site, which are not to be removed under this contract, and which do not unreasonably interfere with the work required under this contract.
- (b) The Contractor shall only remove trees when specifically authorized to do so, and shall avoid damaging vegetation that will remain in place. If any limbs or branches of trees are broken during performance of this contract, or by the careless operation of equipment, or by workmen, the Contractor shall trim those limbs or branches with a clean cut and paint the cut with a tree-pruning compound as directed by the Contractor shall protect from damage all existing
- (c) The Contractor shall protect from damage all existing improvements and utilities (1) at or near the work site and (2) on adjacent property of a third party, the locations of which are made known to or should be known by the Contractor. Prior to disturbing the ground at the construction site, the Contractor shall ensure that all underground utility lines are clearly marked.
- (d) The Contractor shall shore up, brace, underpin, secure, and protect as necessary all foundations and other parts of existing structures adjacent to, adjoining, and in the vicinity of the site, which may be affected by the excavations or other operations connected with the construction of the project.
  (e) Any equipment temporarily removed as a result of work
- (e) Any equipment temporarily removed as a result of work under this contract shall be protected, cleaned, and replaced in the same condition as at the time of award of this contract.

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- (f) New work which connects to existing work shall correspond in all respects with that to which it connects and/or be similar to existing work unless otherwise required by the specifications.
- (g) No structural members shall be altered or in any way weakened without the written authorization of the Contracting Officer, unless such work is clearly specified in the plans or specifications.
- (h) If the removal of the existing work exposes discolored or unfinished surfaces, or work out of alignment, such surfaces shall be refinished, or the material replaced as necessary to make the continuous work uniform and harmonious. This, however, shall not be construed to require the refinishing or reconstruction of dissimilar finishes previously exposed, or finished surfaces in good condition, but in different planes or on different levels when brought together by the removal of intervening work, unless such refinishing or reconstruction is specified in the plans or specifications.
- (i) The Contractor shall give all required notices to any adjoining or adjacent property owner or other party before the commencement of any work.
- The Contractor shall indemnify and save harmless the PHA from any damages on account of settlement or the (i) loss of lateral support of adjoining property, any damages from changes in topography affecting drainage, and from all loss or expense and all damages for which the PHA may become liable in consequence of such injury or damage to adjoining and adjacent structures and their premises
- (k) The Contractor shall repair any damage to vegetation, structures, equipment, utilities, or improvements, including those that are the property of a third party, resulting from failure to comply with the requirements of this contract or failure to exercise reasonable care in performing the work. If the Contractor fails or refuses to repair the damage promptly, the Contracting Officer may have the necessary work performed and charge the cost to the Contractor.

#### 17. Temporary Buildings and Transportation of Materials

- (a) Temporary buildings (e.g., storage sheds, shops, offices, sanitary facilities) and utilities may be erected by the Contractor only with the approval of the Contracting Officer and shall be built with labor and materials furnished by the Contractor without expense to the PHA. The temporary buildings and utilities shall remain the property of the Contractor and shall be removed by the Contractor at its expense upon completion of the work. With the written consent of the Contracting Officer, the buildings and utilities may be abandoned and need not be removed.
- (b) The Contractor shall, as directed by the Contracting Officer, use only established roadways, or use temporary roadways constructed by the Contractor when and as authorized by the Contracting Officer. When materials are transported in prosecuting the work, vehicles shall not be loaded beyond the loading capacity recommended by the manufacturer of the vehicle or prescribed by any federal, state, or local law or regulation. When it is necessary to cross curbs or sidewalks, the Contractor shall protect them from damage. The Contractor shall repair or pay for the repair of any damaged curbs, sidewalks, or roads

#### 18. Clean Air and Water

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The contactor shall comply with the Clean Air Act, as amended, 42 USC 7401 et seq., the Federal Water Pollution Control Water Act, as amended, 33 U.S.C. 1251 et seq., and standards issued pursuant thereto in the facilities in which this contract is to be performed.

#### 19. Energy Efficiency

The Contractor shall comply with mandatory standards and policies relating to energy efficiency which are contained in the energy conservation plan issued in compliance with the Energy Policy and Conservation Act (Pub.L. 94-163) for the State in which the work under the contract is performed.

#### 20. Inspection and Acceptance of Construction

- (a) Definitions. As used in this clause 
   (1) "Acceptance" means the act of an authorized

   representative of the PHA by which the PHA approves and assumes ownership of the work performed under this contract. Acceptance may be partial or complete. (2) "Inspection" means examining and testing the work performed under the contract (including, when appropriate, raw materials, equipment, components, and intermediate assemblies) to determine whether it conforms to contract requirements (3) "Testing" means that element of inspection that determines the properties or elements, including functional operation of materials, equipment, or their components, by the application of established scientific principles and procedures. (b) The Contractor shall maintain an adequate inspection
- system and perform such inspections as will ensure that the work performed under the contract conforms to contract requirements. All work is subject to PHA inspection and test at all places and at all reasonable times before acceptance to ensure strict compliance with the terms of the contract.
- (c) PHA inspections and tests are for the sole benefit of the PHA and do not: (1) relieve the Contractor of responsibility for providing adequate quality control measures; (2) relieve the Contractor of responsibility for loss or damage of the material before acceptance; (3) constitute or imply acceptance; or, (4) affect the continuing rights of the PHA after acceptance of the completed work under paragraph (j) below.
- (d) The presence or absence of the PHA inspector does not relieve the Contractor from any contract requirement, nor is the inspector authorized to change any term or condition of the specifications without the Contracting Officer's written authorization. All instructions and approvals with respect to the work shall be given to the
- Contractor by the Contracting Officer.(e) The Contractor shall promptly furnish, without additional charge, all facilities, labor, and material reasonably needed for performing such safe and convenient inspections and tests as may be required by the Contracting Officer. The PHA may charge to the Contractor any additional cost of inspection or test when work is not ready at the time specified by the Contractor for inspection or test, or when prior rejection makes reinspection or retest necessary. The PHA shall perform all inspections and tests in a manner that will not unnecessarily delay the work. Special, full size, and performance tests shall be performed as described in the contract.

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(f) The PHA may conduct routine inspections of the construction site on a daily basis.

- (g) The Contractor shall, without charge, replace or correct work found by the PHA not to conform to contract requirements, unless the PHA decides that it is in its interest to accept the work with an appropriate adjustment in contract price. The Contractor shall promptly segregate and remove rejected material from the premises.
- (h) If the Contractor does not promptly replace or correct rejected work, the PHA may (1) by contract or otherwise, replace or correct the work and charge the cost to the Contractor, or (2) terminate for default the Contractor's right to proceed.
- (i) If any work requiring inspection is covered up without approval of the PHA, it must, if requested by the Contracting Officer, be uncovered at the expense of the Contractor. If at any time before final acceptance of the entire work, the PHA considers it necessary or advisable, to examine work already completed by removing or tearing it out, the Contractor, shall on request, promptly furnish all necessary facilities, labor, and material. If such work is found to be defective or nonconforming in any material respect due to the fault of the Contractor or its subcontractors, the Contractor shall defray all the expenses of the examination and of satisfactory reconstruction. If, however, such work is found to meet the requirements of the contract, the Contracting Officer shall make an equitable adjustment to cover the cost of the examination and reconstruction, including, if completion of the work was thereby delayed, an extension of time.
- (j) The Contractor shall notify the Contracting Officer, in writing, as to the date when in its opinion all or a designated portion of the work will be substantially completed and ready for inspection. If the Architect determines that the state of preparedness is as represented, the PHA will promptly arrange for the inspection. Unless otherwise specified in the contract, the PHA shall accept, as soon as practicable after completion and inspection, all work required by the contract or that portion of the work the Contracting Officer determines and designates can be accepted separately. Acceptance shall be final and conclusive except for latent defects, fraud, gross mistakes amounting to fraud, or the PHA's right under any warranty or guarantee.

#### 21. Use and Possession Prior to Completion

- (a) The PHA shall have the right to take possession of or use any completed or partially completed part of the work. Before taking possession of or using any work, the Contracting Officer shall furnish the Contractor a list of items of work remaining to be performed or corrected on those portions of the work that the PHA intends to take possession of or use. However, failure of the Contracting Officer to list any item of work shall not relieve the Contractor of responsibility for complying with the terms of the contract. The PHA's possession or use shall not be deemed an acceptance of any work under the contract.
- (b) While the PHA has such possession or use, the Contractor shall be relieved of the responsibility for (1) the loss of or damage to the work resulting from the PHA's possession or use, notwithstanding the terms of the clause entitled Permits and Codes herein; (2) all maintenance costs on the areas occupied; and, (3) furnishing heat, light, power, and water used in the areas

occupied without proper remuneration therefore. If prior possession or use by the PHA delays the progress of the work or causes additional expense to the Contractor, an equitable adjustment shall be made in the contract price or the time of completion, and the contract shall be modified in writing accordingly.

#### 22. Warranty of Title

The Contractor warrants good title to all materials, supplies, and equipment incorporated in the work and agrees to deliver the premises together with all improvements thereon free from any claims, liens or charges, and agrees further that neither it nor any other person, firm or corporation shall have any right to a lien upon the premises or anything appurtenant thereto.

#### 23. Warranty of Construction

- (a) In addition to any other warranties in this contract, the Contractor warrants, except as provided in paragraph (j) of this clause, that work performed under this contract conforms to the contract requirements and is free of any defect in equipment, material, or workmanship performed by the Contractor or any subcontractor or supplier at any tier. This warranty shall continue for a period of (one year unless otherwise indicated) from the date of final acceptance of the work. If the PHA takes possession of any part of the work before final acceptance, this warranty shall continue for a period of (one year unless otherwise indicated) from the date that the PHA takes possession.
- (b) The Contractor shall remedy, at the Contractor's expense, any failure to conform, or any defect. In addition, the Contractor shall remedy, at the Contractor's expense, any damage to PHA-owned or controlled real or personal property when the damage is the result of—

   (1) The Contractor's failure to conform to contract requirements; or
  - (2) Any defects of equipment, material, workmanship or design furnished by the Contractor.
- (c) The Contractor shall restore any work damaged in fulfilling the terms and conditions of this clause. The Contractor's warranty with respect to work repaired or replaced will run for (one year unless otherwise indicated) from the date of repair or replacement.
- (d) The Contracting Officer shall notify the Contractor, in writing, within a reasonable time after the discovery of any failure, defect or damage.
- (e) If the Contractor fails to remedy any failure, defect, or damage within a reasonable time after receipt of notice, the PHA shall have the right to replace, repair or otherwise remedy the failure, defect, or damage at the Contractor's expense.
- (f) With respect to all warranties, express or implied, from subcontractors, manufacturers, or suppliers for work performed and materials furnished under this contract, the Contractor shall:
  - Obtain all warranties that would be given in normal commercial practice;
  - (2) Require all warranties to be executed in writing, for the benefit of the PHA, and,
- (3) Enforce all warranties for the benefit of the PHA.
  (g) In the event the Contractor's warranty under paragraph
  (a) of this clause has expired, the PHA may bring suit at its own expense to enforce a subcontractor's, manufacturer's or supplier's warranty.

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- (h) Unless a defect is caused by the negligence of the Contractor or subcontractor or supplier at any tier, the Contractor shall not be liable for the repair of any defect of material or design furnished by the PHA nor for the repair of any damage that results from any defect in PHA furnished material or design.
- (i) Notwithstanding any provisions herein to the contrary, the establishment of the time periods in paragraphs (a) and (c) above relate only to the specific obligation of the Contractor to correct the work, and have no relationship to the time within which its obligation to comply with the contract may be sought to be enforced, nor to the time within which proceedings may be commenced to establish the Contractor's liability with respect to its obligation other than specifically to correct the work.
- (j) This warranty shall not limit the PHA's rights under the Inspection and Acceptance of Construction clause of this contract with respect to latent defects, gross mistakes or fraud.
- 24. Prohibition Against Liens

The Contractor is prohibited from placing a lien on the PHA's property. This prohibition shall apply to all subcontractors at any tier and all materials suppliers.

#### Administrative Requirements

#### 25. Contract Period

this contract within calendar days of the effective date of the contract, or within the time schedule established in the notice to proceed issued by the Contracting Officer.

26. Order of Provisions

In the event of a conflict between these General Conditions and the Specifications, the General Conditions shall prevail. In the event of a conflict between the contract and any applicable state or local law or regulation, the state or local law or regulation shall prevail; provided that such state or local law or regulation does not conflict with, or is less restrictive than applicable federal law, regulation, or Executive Order. In the event of such a conflict, applicable federal law, regulation, and Executive Order shall prevail.

- 27. Payments
- (a) The PHA shall pay the Contractor the price as provided in this contract.
- (b) The PHA shall make progress payments approximately every 30 days as the work proceeds, on estimates of work accomplished which meets the standards of quality established under the contract, as approved by the Contracting Officer. The PHA may, subject to written determination and approval of the Contracting Officer, make more frequent payments to contractors which are qualified small businesses.
- (c) Before the first progress payment under this contract, the Contractor shall furnish, in such detail as requested by the Contracting Officer, a breakdown of the total contract price showing the amount included therein for each principal category of the work, which shall substantiate the payment amount requested in order to provide a

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(d) The Contractor shall submit, on forms provided by the PHA, periodic estimates showing the value of the work performed during each period based upon the approved

submitted not later than \_\_\_\_\_\_ days in advance of the date set for payment and are subject to correction and revision as required. The estimates must be approved by the Contracting Officer with the concurrence of the Architect prior to payment. If the contract covers more than one project, the Contractor shall furnish a separate progress payment estimate for each.

- (e) Along with each request for progress payments and the required estimates, the Contractor shall furnish the following certification, or payment shall not be made: I hereby certify, to the best of my knowledge and belief, that:
  - The amounts requested are only for performance in accordance with the specifications, terms, and conditions of the contract;
  - (2) Payments to subcontractors and suppliers have been made from previous payments received under the contract, and timely payments will be made from the proceeds of the payment covered by this certification, in accordance with subcontract agreements; and,
  - (3) This request for progress payments does not include any amounts which the prime contractor intends to withhold or retain from a subcontractor or supplier in accordance with the terms and conditions of the subcontract.

Name:

Title

Date

- (f) Except as otherwise provided in State law, the PHA shall retain ten (10) percent of the amount of progress payments until completion and acceptance of all work under the contract; except, that if upon completion of 50 percent of the work, the Contracting Officer, after consulting with the Architect, determines that the Contractor's performance and progress are satisfactory, the PHA may make the remaining payments in full for the work subsequently completed. If the Contractor's performance and progress are unsatisfactory, the PHA shall reinstate the ten (10) percent (or other percentage as provided in State law) retainage until such time as the Contracting Officer determines that performance and progress are satisfactory.
- (g) The Contracting Officer may authorize material delivered on the site and preparatory work done to be taken into consideration when computing progress payments.

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Material delivered to the Contractor at locations other than the site may also be taken into consideration if the Contractor furnishes satisfactory evidence that (1) it has acquired title to such material; (2) the material is properly stored in a bonded warehouse, storage yard, or similar suitable place as may be approved by the Contracting Officer; (3) the material is insured to cover its full value; and (4) the material will be used to perform this contract. Before any progress payment which includes delivered material is made, the Contractor shall furnish such documentation as the Contractor gofficer may require to assure the protection of the PHA's interest in such materials. The Contractor shall remain responsible for such stored material notwithstanding the transfer of title to the PHA.

- (h) All material and work covered by progress payments made shall, at the time of payment become the sole property of the PHA, but this shall not be construed as (1) relieving the Contractor from the sole responsibility for all material and work upon which payments have been made or the restoration of any damaged work; or, (2) waiving the right of the PHA to require the fulfillment of all of the terms of the contract. In the event the work of the Contractor has been damaged by other contractors or persons other than employees of the PHA in the course of their employment, the Contractor shall restore such damaged work without cost to the PHA and to seek redress for its damage only from those who directly caused it.
- (i) The PHA shall make the final payment due the Contractor under this contract after (1) completion and final acceptance of all work; and (2) presentation of release of all claims against the PHA arising by virtue of this contract, other than claims, in stated amounts, that the Contractor has specifically excepted from the operation of the release. Each such exception shall embrace no more than one claim, the basis and scope of which shall be clearly defined. The amounts for such excepted claims shall not be included in the request for final payment. A release may also be required of the assignee if the Contractor's claim to amounts payable under this contract has been assigned.
- (j) Prior to making any payment, the Contracting Officer may require the Contractor to furnish receipts or other evidence of payment from all persons performing work and supplying material to the Contractor, if the Contracting Officer determines such evidence is necessary to substantiate claimed costs.
- (k) The PHA shall not; (1) determine or adjust any claims for payment or disputes arising there under between the Contractor and its subcontractors or material suppliers; or, (2) withhold any moneys for the protection of the subcontractors or material suppliers. The failure or refusal of the PHA to withhold moneys from the Contractor shall in nowise impair the obligations of any surety or sureties under any bonds furnished under this contract.

#### 28. Contract Modifications

- (a) Only the Contracting Officer has authority to modify any term or condition of this contract. Any contract modification shall be authorized in writing.
- (b) The Contracting Officer may molify the contract unilaterally (1) pursuant to a specific authorization stated in a contract clause (e.g., Changes); or (2) for administrative matters which do not change the rights or

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(c) When a proposed modification requires the approval of HUD prior to its issuance (e.g., a change order that exceeds the PHA's approved threshold), such modification shall not be effective until the required approval is received by the PHA.

#### 29. Changes

- (a) The Contracting Officer may, at any time, without notice to the sureties, by written order designated or indicated to be a change order, make changes in the work within the general scope of the contract including changes:
  (1) In the specifications (including drawings and designs);
  (2) In the method or manner of performance of the work;
  (3) PHA-furnished facilities, equipment, materials, services or site or
  - (4) Directing the acceleration in the performance of the work.
- (b) Any other written order or oral order (which, as used in this paragraph (b), includes direction, instruction, interpretation, or determination) from the Contracting Officer that causes a change shall be treated as a change order under this clause; provided, that the Contractor gives the Contracting Officer written notice stating (1) the date, circumstances and source of the order and (2) that the Contractor regards the order as a change order.
- (c) Except as provided in this clause, no order, statement or conduct of the Contracting Officer shall be treated as a change under this clause or entitle the Contractor to an equitable adjustment.
- (d) If any change under this clause causes an increase or decrease in the Contractor's cost of, or the time required for the performance of any part of the work under this contract, whether or not changed by any such order, the Contracting Officer shall make an equitable adjustment and modify the contract in writing. However, except for a adjustment based on defective specifications, no proposal for any change under paragraph (b) above shall be allowed for any costs incurred more than 20 days (5 days for oral orders) before the Contractor gives written notice as required. In the case of defective specifications for which the PHA is responsible, the equitable adjustment shall include any increased cost reasonably incurred by the Contractor in attempting to comply with the defective specifications
- the defective specifications.
  (e) The Contractor must assert its right to an adjustment under this clause within 30 days after (1) receipt of a written change order under paragraph (a) of this clause, or (2) the furnishing of a written notice under paragraph (b) of this clause, by submitting a written statement describing the general nature and the amount of the proposal. If the facts justify it, the Contracting Officer may extend the period for submission. The proposal may be included in the notice required under paragraph (b) above. No proposal by the Contractor for an equitable adjustment shall be allowed if asserted after final payment under this contract.
- (f) The Contractor's written proposal for equitable adjustment shall be submitted in the form of a lump sum proposal supported with an itemized breakdown of all increases and decreases in the contract in at least the following details:

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- (1) Direct Costs. Materials (list individual items, the quantity and unit cost of each, and the aggregate cost); Transportation and delivery costs associated with materials; Labor breakdowns by hours or unit costs (identified with specific work to be performed); Construction equipment exclusively necessary for the change; Costs of preparation and/ or revision to shop drawings resulting from the change; Worker's Compensation and Public Liability Insurance; Employment taxes under FICA and FUTA; and, Bond Costs when size of change warrants revision.
- (2)Indirect Costs. Indirect costs may include overhead, general and administrative expenses, and fringe benefits not normally treated as direct costs.
- (3)Profit. The amount of profit shall be negotiated and may vary according to the nature, extent, and complexity of the work required by the change. The
- allowability of the direct and indirect costs shall be determined in accordance with the Contract Cost Principles and Procedures for Commercial Firms in Part 31 of the Federal Acquisition Regulation (48 CFR 1-31), as implemented by HUD Handbook 2210.18, in effect on the date of this contract. The Contractor shall not be allowed a profit on the profit received by any subcontractor. Equitable adjustments for deleted work shall include a credit for profit and may include a credit for indirect costs. On proposals covering both increases and decreases in the amount of the contract, the application of indirect costs and profit shall be on the net-change in direct costs for the Contractor or subcontractor performing the work.
- (g) The Contractor shall include in the proposal its request for time extension (if any), and shall include sufficient information and dates to demonstrate whether and to what extent the change will delay the completion of the contract in its entirety.
- (h) The Contracting Officer shall act on proposals within 30 days after their receipt, or notify the Contractor of the date when such action will be taken.
- (i) Failure to reach an agreement on any proposal shall be a dispute under the clause entitled Disputes herein.
   Nothing in this clause, however, shall excuse the Contractor from proceeding with the contract as changed.
- (j) Except in an emergency endangering life or property, no change shall be made by the Contractor without a prior order from the Contracting Officer.

#### 30. Suspension of Work

- (a) The Contracting Officer may order the Contractor in writing to suspend, delay, or interrupt all or any part of the work of this contract for the period of time that the Contracting Officer determines appropriate for the convenience of the PHA.
- (b) If the performance of all or any part of the work is, for an unreasonable period of time, suspended, delayed, or interrupted (1) by an act of the Contracting Officer in the administration of this contract, or (2) by the Contracting Officer's failure to act within the time specified (or within a reasonable time if not specified) in this contract an adjustment shall be made for any increase in the cost of performance of the contract (excluding profit) necessarily caused by such unreasonable suspension, delay, or interruption and the contract modified in writing accordingly. However, no adjustment shall be made under this clause for any suspension, delay, or interruption to the extent that performance would have

been so suspended, delayed, or interrupted by any other cause, including the fault or negligence of the Contractor or for which any equitable adjustment is provided for or excluded under any other provision of this contract.

(c) A claim under this clause shall not be allowed (1) for any costs incurred more than 20 days before the Contractor shall have notified the Contracting Officer in writing of the act or failure to act involved (but this requirement shall not apply as to a claim resulting from a suspension order); and, (2) unless the claim, in an amount stated, is asserted in writing as soon as practicable after the termination of the suspension, delay, or interruption, but not later than the date of final payment under the contract.

#### 31. Disputes

- (a) "Claim," as used in this clause, means a written demand or written assertion by one of the contracting parties seeking, as a matter of right, the payment of money in a sum certain, the adjustment or interpretation of contract terms, or other relief arising under or relating to the contract. A claim arising under the contract, unlike a claim relating to the contract, is a claim that can be resolved under a contract clause that provides for the relief sought by the claimant. A voucher, invoice, or other routine request for payment that is not in dispute when submitted is not a claim. The submission may be converted to a claim by complying with the requirements of this clause, if it is disputed either as to liability or amount or is not acted upon in a reasonable time.
- (b) Except for disputes arising under the clauses entitled Labor Standards - Davis Bacon and Related Acts, herein, all disputes arising under or relating to this contract, including any claims for damages for the alleged breach thereof which are not disposed of by agreement, shall be resolved under this clause.
- (c) All claims by the Contractor shall be made in writing and submitted to the Contracting Officer for a written decision. A claim by the PHA against the Contractor shall be subject to a written decision by the Contracting Officer.
- (d) The Contracting Officer shall, within 60 (unless otherwise indicated) days after receipt of the request, decide the claim or notify the Contractor of the date by which the decision will be made.
- (e) The Contracting Officer's decision shall be final unless the Contractor (1) appeals in writing to a higher level in the PHA in accordance with the PHA's policy and procedures, (2) refers the appeal to an independent mediator or arbitrator, or (3) files suit in a court of competent jurisdiction. Such appeal must be made within (30 unless otherwise indicated) days after receipt of the Contracting Officer's decision.
- (f) The Contractor shall proceed diligently with performance of this contract, pending final resolution of any request for relief, claim, appeal, or action arising under or relating to the contract, and comply with any decision of the Contracting Officer.

#### 32. Default

(a) If the Contractor refuses or fails to prosecute the work, or any separable part thereof, with the diligence that will insure its completion within the time specified in this contract, or any extension thereof, or fails to complete said work within this time, the Contracting Officer may, by written notice to the Contractor, terminate the right to

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proceed with the work (or separable part of the work) that has been delayed. In this event, the PHA may take over the work and complete it, by contract or otherwise, and may take possession of and use any materials, equipment, and plant on the work site necessary for completing the work. The Contractor and its sureties shall be liable for any damage to the PHA resulting from the Contractor's refusal or failure to complete the work within the specified time, whether or not the Contractor's right to proceed with the work is terminated. This liability includes any increased costs incurred by the PHA in completing the work

- (b) The Contractor's right to proceed shall not be terminated or the Contractor charged with damages under this clause if—
  - (1) The delay in completing the work arises from unforeseeable causes beyond the control and without the fault or negligence of the Contractor. Examples of such causes include (i) acts of God, or of the public enemy, (ii) acts of the PHA or other governmental entity in either its sovereign or contractual capacity, (iii) acts of another contractor in the performance of a contract with the PHA, (iv) fires, (v) floods, (vi) epidemics, (vii) quarantine restrictions, (viii) strikes, (ix) freight embargoes, (x) unusually severe weather, or (xi) delays of subcontractors or suppliers at any tier arising from unforeseeable causes beyond the control and without the fault or negligence of both the Contractor and the subcontractors or suppliers; and
  - (2) The Contractor, within days (10 days unless otherwise indicated) from the beginning of such delay (unless extended by the Contracting Officer) notifies the Contracting Officer in writing of the causes of delay. The Contracting Officer shall ascertain the facts and the extent of the delay. If, in the judgment of the Contracting Officer, the findings of fact warrant such action, time for completing the work shall be extended by written modification to the contract. The findings of the Contracting Officer shall be reduced to a written decision which shall be subject to the provisions of the Disputes clause of this contract.
- (c) If, after termination of the Contractor's right to proceed, it is determined that the Contractor was not in default, or that the delay was excusable, the rights and obligations of the parties will be the same as if the termination had been for convenience of the PHA.

#### 33. Liquidated Damages

- (a) If the Contractor fails to complete the work within the time specified in the contract, or any extension, as specified in the clause entitled Default of this contract, the Contractor shall pay to the PHA as liquidated damages, the sum of <u>Contracting Officer insert amount</u>] for each day of delay. If different completion dates are specified in the contract for separate parts or stages of the work, the amount of liquidated damages shall be assessed on those parts or stages which are delayed. To the extent that the Contractor's delay or nonperformance is excused under another clause in this contract, liquidated damages shall not be due the PHA. The Contractor remains liable for damages caused other than by delay.
- (b) If the PHA terminates the Contractor's right to proceed, the resulting damage will consist of liquidated damages until such reasonable time as may be required for final

completion of the work together with any increased costs occasioned the PHA in completing the work.

(c) If the PHA does not terminate the Contractor's right to proceed, the resulting damage will consist of liquidated damages until the work is completed or accepted.

#### 34. Termination for Convenience

- (a) The Contracting Officer may terminate this contract in whole, or in part, whenever the Contracting Officer determines that such termination is in the best interest of the PHA. Any such termination shall be effected by delivery to the Contractor of a Notice of Termination specifying the extent to which the performance of the work under the contract is terminated, and the date upon which such termination becomes effective.
- (b) If the performance of the work is terminated, either in whole or in part, the PHA shall be liable to the Contractor for reasonable and proper costs resulting from such termination upon the receipt by the PHA of a properly presented claim setting out in detail: (1) the total cost of the work performed to date of termination less the total amount of contract payments made to the Contractor; (2) the cost (including reasonable profit) of settling and paying claims under subcontracts and material orders for work performed and materials and supplies delivered to the site, payment for which has not been made by the PHA to the Contractor or by the Contractor to the subcontractor or supplier; (3) the cost of preserving and protecting the work already performed until the PHA or assignee takes possession thereof or assumes responsibility therefore; (4) the actual or estimated cost of legal and accounting services reasonably necessary to prepare and present the termination claim to the PHA; and (5) an amount constituting a reasonable profit on the value of the work performed by the Contractor.
- (c) The Contracting Officer will act on the Contractor's claim within days (60 days unless otherwise indicated) of receipt of the Contractor's claim.
- (d) Any disputes with regard to this clause are expressly made subject to the provisions of the Disputes clause of this contract.

#### 35. Assignment of Contract

The Contractor shall not assign or transfer any interest in this contract; except that claims for monies due or to become due from the PHA under the contract may be assigned to a bank, trust company, or other financial institution. Such assignments of claims shall only be made with the written concurrence of the Contracting Officer. If the Contractor is a partnership, this contract shall inure to the benefit of the surviving or remaining member(s) of such partnership as approved by the Contracting Officer.

#### 36. Insurance

- (a) Before commencing work, the Contractor and each subcontractor shall furnish the PHA with certificates of insurance showing the following insurance is in force and will insure all operations under the Contract:
  - (1) Workers' Compensation, in accordance with state or Territorial Workers' Compensation laws.
  - (2) Commercial General Liability with a combined single limit for bodily injury and property damage of not less than \$ \_\_\_\_\_ [Contracting Officer insert amount]

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per occurrence to protect the Contractor and each subcontractor against claims for bodily injury or death and damage to the property of others. This shall cover the use of all equipment, hoists, and vehicles on the site(s) not covered by Automobile Liability under (3) below. If the Contractor has a "claims made" policy, then the following additional requirements apply: the policy must provide a "retroactive date" which must be on or before the execution date of the Contract, and the extended reporting period may not be less than five years

- (b) Before commencing work, the Contractor shall furnish the PHA with a certificate of insurance evidencing that Builder's Risk (fire and extended coverage) Insurance on all work in place and/or materials stored at the building site(s), including foundations and building equipment, is in force. The Builder's Risk Insurance shall be for the benefit of the Contractor and the PHA as their interests may appear and each shall be named in the policy or policies as an insured. The Contractor in installing equipment supplied by the PHA shall carry insurance on such equipment from the time the Contractor takes possession thereof until the Contract work is accepted by the PHA. The Builder's Risk Insurance need not be carried on excavations, piers, footings, or foundations until such time as work on the superstructure is started. It need not be carried on landscape work. Policies shall furnish coverage at all times for the full cash value of all completed construction, as well as materials in place and/or stored at the site(s), whether or not partial payment has been made by the PHA. The Contractor may terminate this insurance on buildings as of the date taken over for occupancy by the PHA. The Contractor is not required to carry Builder's Risk Insurance for modernization work which does not involve structural alterations or additions and where the PHA's existing fire and extended coverage policy can be endorsed to include such work
- (c) All insurance shall be carried with companies which are financially responsible and admitted to do business in the State in which the project is located. If any such insurance is due to expire during the construction period, the Contractor (including subcontractors, as applicable) shall not permit the coverage to lapse and shall furnish evidence of coverage to the Contracting Officer. All certificates of insurance, as evidence of coverage, shall provide that no coverage may be canceled or nonrenewed by the insurance company until at least 30 days prior written notice has been given to the Contracting Officer.

#### 37. Subcontracts

- (a) Definitions. As used in this contract -
  - (1) "Subcontract" means any contract, purchase order, or other purchase agreement, including modifications and change orders to the foregoing, entered into by a subcontractor to furnish supplies, materials, equipment, and services for the performance of the prime contract or a subcontract.

- (2) "Subcontractor" means any supplier, vendor, or firm that furnishes supplies, materials, equipment, or services to or for the Contractor or another subcontractor.
- (b) The Contractor shall not enter into any subcontract with any subcontractor who has been temporarily denied participation in a HUD program or who has been suspended or debarred from participating in contracting programs by any agency of the United States Government or of the state in which the work under this contract is to be performed.
- (c) The Contractor shall be as fully responsible for the acts or omissions of its subcontractors, and of persons either directly or indirectly employed by them as for the acts or omissions of persons directly employed by the Contractor.
- (d) The Contractor shall insert appropriate clauses in all subcontracts to bind subcontractors to the terms and conditions of this contract insofar as they are applicable to the work of subcontractors.
- (e) Nothing contained in this contract shall create any contractual relationship between any subcontractor and the PHA or between the subcontractor and HUD.

#### 38. Subcontracting with Small and Minority Firms, Women's Business Enterprise, and Labor Surplus Area Firms

- The Contractor shall take the following steps to ensure that, whenever possible, subcontracts are awarded to small business firms, minority firms, women's business enterprises, and labor surplus area firms:
- (a) Placing qualified small and minority businesses and women's business enterprises on solicitation lists;
- (b) Ensuring that small and minority businesses and women's business enterprises are solicited whenever they are potential sources;
- (c) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses and women's business enterprises;
- (d) Establishing delivery schedules, where the requirements of the contract permit, which encourage participation by small and minority businesses and women's business enterprises; and
- (e) Using the services and assistance of the U.S. Small Business Administration, the Minority Business Development Agency of the U.S. Department of Commerce, and State and local governmental small business agencies.

#### 39. Equal Employment Opportunity

During the performance of this contract, the Contractor agrees as follows:

- (a) The Contractor shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, or handicap.
- (b) The Contractor shall take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, national origin, or handicap. Such action shall include, but not be limited to, (1) employment, (2) upgrading, (3) demotion, (4) transfer, (5) recruitment or recruitment advertising, (6) layoff or termination, (7) rates of pay or other forms of compensation, and (8) selection for training, including apprenticeship.

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- (c) The Contractor shall post in conspicuous places available to employees and applicants for employment the notices to be provided by the Contracting Officer that explain this clause.
- (d) The Contractor shall, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, or handicap.
- (e) The Contractor shall send, to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, the notice to be provided by the Contracting Officer advising the labor union or workers' representative of the Contractor's commitments under this clause, and post copies of the notice in conspicuous places available to employees and applicants for employment.
- (f) The Contractor shall comply with Executive Order 11246, as amended, and the rules, regulations, and orders of the Secretary of Labor.
- (g) The Contractor shall furnish all information and reports required by Executive Order 11246, as amended, Section 503 of the Rehabilitation Act of 1973, as amended, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto. The Contractor shall permit access to its books, records, and accounts by the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- (h) In the event of a determination that the Contractor is not in compliance with this clause or any rule, regulation, or order of the Secretary of Labor, this contract may be canceled, terminated, or suspended in whole or in part, and the Contractor may be declared ineligible for further Government contracts, or Federally assisted construction contracts under the procedures authorized in Executive Order 11246, as amended. In addition, sanctions may be imposed and remedies invoked against the Contractor as provided in Executive Order 11246, as amended, the rules, regulations, and orders of the Secretary of Labor, or as otherwise provided by law.
- (i) The Contractor shall include the terms and conditions of this clause in every subcontract or purchase order unless exempted by the rules, regulations, or orders of the Secretary of Labor issued under Executive Order 11246, as amended, so that these terms and conditions will be binding upon each subcontractor or vendor. The Contractor shall take such action with respect to any subcontract or purchase order as the Secretary of Housing and Urban Development or the Secretary of Labor may direct as a means of enforcing such provisions, including sanctions for noncompliance; provided that if the Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the Contractor may request the United States to enter into the litigation to protect the interests of the United States
- (j) Compliance with the requirements of this clause shall be to the maximum extent consistent with, but not in derogation of, compliance with section 7(b) of the Indian Self-Determination and Education Assistance Act and the Indian Preference clause of this contract.
- 40. Employment, Training, and Contracting Opportunities for Low-Income Persons, Section 3 of the Housing and Urban Development Act of 1968.

- (a) The work to be performed under this contract is subject to the requirements of section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1701u (section 3). The purpose of section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by section 3, shall, to the greatest extent feasible, be directed to low- and very low-income persons, particularly persons who are recipients of HUD assistance for housing.
- (b) The parties to this contract agree to comply with HUD's regulations in 24 CFR Part 135, which implement section 3. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the Part 135 regulations.
- (c) The contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers' representative of the contractor's commitments under this section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each; and the name and location of the person(s) taking applications for each of the positions; and the anticipated date the work shall begin.
- (d) The contractor agrees to include this section 3 clause in every subcontract subject to compliance with regulations in 24 CFR Part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR Part 135. The contractor will not subcontract with any subcontractor where the contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR Part 135.
- (e) The contractor will certify that any vacant employment positions, including training positions, that are filled (1) after the contractor is selected but before the contract is executed, and (2) with persons other than those to whom the regulations of 24 CFR Part 135 require employment opportunities to be directed, were not filled to circumvent the contractor's obligations under 24 CFR Part 135.
- (f) Noncompliance with HUD's regulations in 24 CFR Part 135 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD assisted contracts.
- (g) With respect to work performed in connection with section 3 covered Indian housing assistance, section 7(b) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450e) also applies to the work to be performed under this contract. Section 7(b) requires that to the greatest extent feasible (i) preference and opportunities for training and employment shall be given to Indians, and (ii) preference in the award of contracts and subcontracts shall be given to Indian organizations and Indian-owned Economic Enterprises. Parties to this contract that are subject to the provisions of section 3 and section 7(b)agree to comply with section 3 to the maximum extent feasible, but not in derogation of compliance with section 7(b).

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#### 41. Interest of Members of Congress

No member of or delegate to the Congress of the United States of America shall be admitted to any share or part of this contract or to any benefit that may arise therefrom.

#### 42. Interest of Members, Officers, or Employees and Former Members, Officers, or Employees

No member, officer, or employee of the PHA, no member of the governing body of the locality in which the project is situated, no member of the governing body of the locality in which the PHA was activated, and no other public official of such locality or localities who exercises any functions or responsibilities with respect to the project, shall, during his or her tenure, or for one year thereafter, have any interest, direct or indirect, in this contract or the proceeds thereof.

#### 43. Limitations on Payments made to Influence Certain Federal Financial Transactions

- (a) The Contractor agrees to comply with Section 1352 of Title 31, United States Code which prohibits the use of Federal appropriated funds to pay any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with any of the following covered Federal actions: the awarding of any Federal contract; the making of any Federal grant; the making of any Federal loan; the entering into of any cooperative agreement; or the modification of any Federal contract, grant, loan, or cooperative agreement.
  (b) The Contractor further agrees to comply with the
- (b) The Contractor further agrees to comply with the requirement of the Act to furnish a disclosure (OMB Standard Form LLL, Disclosure of Lobbying Activities) if any funds other than Federal appropriated funds (including profit or fee received under a covered Federal transaction) have been paid, or will be paid, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a Federal contract, grant, loan, or cooperative agreement.

#### 44. Royalties and Patents

The Contractor shall pay all royalties and license fees. It shall defend all suits or claims for infringement of any patent rights and shall save the PHA harmless from loss on account thereof; except that the PHA shall be responsible for all such loss when a particular design, process or the product of a particular manufacturer or manufacturers is specified and the Contractor has no reason to believe that the specified design, process, or product is an infringement. If, however, the Contractor has reason to believe that any design, process or product specified is an infringement of a patent, the Contractor shall promptly notify the Contracting Officer. Failure to give such notice shall make the Contractor responsible for resultant loss.

#### 45. Examination and Retention of Contractor's Records

- (a) The PHA, HUD, or Comptroller General of the United States, or any of their duly authorized representatives shall, until 3 years after final payment under this contract, have access to and the right to examine any of the Contractor's directly pertinent books, documents, papers, or other records involving transactions related to this contract for the purpose of making audit, examination, excerpts, and transcriptions.
- (b) The Contractor agrees to include in first-tier subcontracts under this contract a clause substantially the same as paragraph (a) above. "Subcontract," as used in this clause, excludes purchase orders not exceeding \$10,000.
- (c) The periods of access and examination in paragraphs (a) and (b) above for records relating to (1) appeals under the Disputes clause of this contract, (2) litigation or settlement of claims arising from the performance of this contract, or (3) costs and expenses of this contract to which the PHA, HUD, or Comptroller General or any of their duly authorized representatives has taken exception shall continue until disposition of such appeals, litigation, claims, or exceptions.

#### 46. Labor Standards - Davis-Bacon and Related Acts

If the total amount of this contract exceeds \$2,000, the Federal labor standards set forth in the clause below shall apply to the development or construction work to be performed under the contract.

(a) Minimum Wages.

(1) All laborers and mechanics employed under this contract in the development or construction of the project(s) involved will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR Part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the Contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of 29 CFR 5.5(a)(1)(iv); also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the regular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits in the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein; provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under 29 CFR 5.5(a)(1)(ii) and the Davis-Bacon poster (WH-1321) shall

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be posted at all times by the Contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers

- (2) (i) Any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. HUD shall approve an additional classification and wage rate and fringe benefits therefor only when all the following criteria have been met: (A) The work to be performed by the classification requested is not performed by a classification in the wage determination; and (B) The classification is utilized in the area by the construction industry; and (C) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage
  - determination.
  - (ii) If the Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and HUD or its designee agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by HUD or its designee to the Administrator of the Wage and Hour Division, Employee Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary.
  - (iii) In the event the Contractor, the laborers or mechanics to be employed in the classification or their representatives, and HUD or its designee do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), HUD or its designee shall refer the questions, including the views of all interested parties and the recommendation of HUD or its designee, to the Administrator of the Wage and Hour Division for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary.
  - (iv) The wage rate (including fringe benefits where appropriate) determined pursuant to subparagraphs (a)(2)(ii) or (iii) of this clause shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in classification.
- (3) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the Contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof
- (4) If the Contractor does not make payments to a trustee or other third person, the Contractor may consider as part of the wages of any laborer or mechanic the

amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program; provided, that the Secretary of Labor has found, upon the written request of the Contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

- (b) Withholding of funds, HUD or its designee shall, upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the Contractor under this contract or any other Federal contract with the same prime Contractor, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime Contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the Contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working in the construction or development of the project, all or part of the wages required by the contract, HUD or its designee may, after written notice to the Contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased. HUD or its designee may, after written notice to the Contractor, disburse such amounts withheld for and on account of the Contractor or subcontractor to the respective employees to whom they are due
- (c) Payrolls and basic records.
  - (1) Payrolls and basic records relating thereto shall be maintained by the Contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working in the construction or development of the project. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made, and actual wages paid. Whenever the Secretary of Labor has found, under 29 CFR 5.5(a)(1)(iv), that the wages of any laborer or mechanic include the amount of costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the Contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

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- (2) (i) The Contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the Contracting Officer for transmission to HUD or its designee. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under subparagraph (c)(1) of this clause. This information may be submitted in any form desired. Optional Form WH-347 (Federal Stock Number 029-005-00014-1) is available for this purpose and may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The Contractor is responsible for the submission of copies of payrolls by all subcontractors. (Approved by the Office of Management and Budget under OMB Control Number 1214-0149.)
  - (ii) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the Contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:
    - (A) That the payroll for the payroll period contains the information required to be maintained under paragraph (c) (1) of this clause and that such information is correct and complete;
    - (B) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR Part 3; and
    - (C) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.
  - (iii) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirements for submission of the "Statement of Compliance" required by subparagraph (c)(2)(ii) of this clause.
  - (iv) The falsification of any of the above certifications may subject the Contractor or subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 3729 of Title 31 of the United States Code.
- (3) The Contractor or subcontractor shall make the records required under subparagraph (c)(1) available for inspection, copying, or transcription by authorized representatives of HUD or its designee, the Contracting Officer, or the Department of Labor and shall permit such representatives to interview employees during working hours on the job. If the Contractor or subcontractor fails to submit the required records or to make them available, HUD or its designee may, after written notice to the Contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to

make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

- (d) (1) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship and Training, Employer and Labor Services (OATELS), or with a State Apprenticeship Agency recognized by OATELS, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by OATELS or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the Contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in this paragraph, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the Contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator of the Wage and Hour Division determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event OATELS, or a State Apprenticeship Agency recognized by OATELS, withdraws approval of an apprenticeship program, the Contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.
  - (2) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under

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the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed in the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate in the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate in the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate in the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the Contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

- (3) Equal employment opportunity. The utilization of apprentices, trainees, and journeymen under this clause shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.
- (e) Compliance with Copeland Act requirements. The Contractor shall comply with the requirements of 29 CFR Part 3, which are hereby incorporated by reference in this contract.
- (f) Contract termination; debarment. A breach of this contract clause may be grounds for termination of the contract and for debarment as a Contractor and a subcontractor as provided in 29 CFR 5.12.
- (g) Compliance with Davis-Bacon and related Act requirements. All rulings and interpretations of the Davis-Bacon and related Acts contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by reference in this contract.
- (h) Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this clause shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR Parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the Contractor (or any of its subcontractors) and the PHA, HUD, the U.S. Department of Labor, or the employees or their representatives.
- (i) Certification of eligibility.
  - (1) By entering into this contract, the Contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the Contractor's firm is a person or firm ineligible to be awarded contracts by the United States Government by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

- (2) No part of this contract shall be subcontracted to any person or firm ineligible for award of a United States Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).
- (3) The penalty for making false statements is prescribed in the U. S. Criminal Code, 18 U.S.C. 1001.(j) Contract Work Hours and Safety Standards Act. As used
- j) Contract Work Hours and Safety Standards Act. As used in this paragraph, the terms "laborers" and "mechanics" include watchmen and guards.
  - (1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics, including watchmen and guards, shall require or permit any such laborer or mechanic in any workweek in which the individual is employed on such work to work in excess of 40 hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of 40 hours in such workweek.
  - (2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the provisions set forth in subparagraph (j)(1) of this clause, the Contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such Contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic (including watchmen and guards) employed in violation of the provisions set forth in subparagraph (j)(1) of this clause, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of 40 hours without payment of the overtime wages required by provisions set forth in subparagraph (j)(1) of this dause
- (3) Withholding for unpaid wages and liquidated damages. HUD or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the Contractor or subcontractor under any such contract or any Federal contract with the same prime Contractor, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime Contractor, such sums as may be determined to be necessary to satisfy any liabilities of such Contractor or subcontractor for unpaid wages and liquidated damages as provided in the provisions set forth in subparagraph (j)(2) of this clause.
- (k) Subcontracts. The Contractor or subcontractor shall insert in any subcontracts all the provisions contained in this clause, and such other clauses as HUD or its designee may by appropriate instructions require, and also a clause requiring the subcontractors to include these provisions in any lower tier subcontracts. The prime Contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all these provisions.

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47. Non-Federal Prevailing Wage Rates

- (a) Any prevailing wage rate (including basic hourly rate and any fringe benefits), determined under State or tribal law to be prevailing, with respect to any employee in any trade or position employed under the contract, is inapplicable to the contract and shall not be enforced against the Contractor or any subcontractor, with respect to employees engaged under the contract whenever such non-Federal prevailing wage rate exceeds:
  - (1) The applicable wage rate determined by the Secretary of Labor pursuant to the Davis-Bacon Act (40 U.S.C. 3141 et seq.) to be prevailing in the locality with respect to such trade;
- (b) An applicable apprentice wage rate based thereon specified in an apprenticeship program registered with the U.S. Department of Labor (DOL) or a DOLrecognized State Apprenticeship Agency; or
- (c) An applicable trainee wage rate based thereon specified in a DOL-certified trainee program.
- 48. Procurement of Recovered Materials.
- (a) In accordance with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, the Contractor shall procure items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR Part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition. The Contractor shall procure items designated in the EPA guidelines that contain the highest percentage of recovered materials practicable unless the Contractor determines that such items; (1) are not reasonably available in a reasonable period of time; (2) fail to meet reasonable performance standards, which shall be determined on the basis of the guidelines of the National Institute of Standards and Technology, if applicable to the item; or (3) are only available at an unreasonable price.
- (b) Paragraph (a) of this clause shall apply to items purchased under this contract where: (1) the Contractor purchases in excess of \$10,000 of the item under this contract; or (2) during the preceding Federal fiscal year, the Contractor: (i) purchased any amount of the items for use under a contract that was funded with Federal appropriations and was with a Federal agency or a State agency or agency of a political subdivision of a State; and (ii) purchased a total of in excess of \$10,000 of the item both under and outside that contract.

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### **SECTION 3 SPECIFICATIONS CLAUSE** (revised 1/22/16 –Compliance Coord,)

The Section 3 information contained in the following pages is to be inserted in its entirety into <u>every</u> Request for Proposal for work or contracts by Housing Authority of the City of El Paso (HACEP), the contractor and sub-contractors. All required forms and the Section 3 Clause are already included along with instructions to all contractors bidding work.

All contractors requiring any sub-contractors MUST issue this package and receive these completed <u>required Section</u> <u>3 forms</u> before issuing any contracts:

- Section 3 Business Certification (if applicable)
- Section 3 Action Plan
- Section 3 Self-Certification and Skills Data Form (For Section 3 residents and New hires when applicable)

If the contractor is claiming certification as a 51% Resident Owned Business (ROB) or is certifying as a 30% employer the following form must be returned for all employees that meet the low- or Very low-income requirement

• Section 3 Self-Certification and Skills Data Form

#### **Overview and Instructions for Contractors**

HACEP's Section 3 policy requires that when the <u>Section 3 regulation is triggered by a need for new hires (whether</u> <u>individual employees, contractors or sub-contractors)</u>, every effort within the contractor's disposal must be made to the greatest extent feasible to offer all available employment and contracting opportunities to its residents based on the tiers below. Only when the regulation is triggered by a contractor and they are unable to offer employment or contracting. The contractor may offer employment related training to the Section 3 residents.

#### I. Tiers for offering all opportunities to Section 3 Residents and Resident Owned Businesses

- 1. At the site where the work is being performed
- 2. At any other HACEP owned or managed property
- 3. Other HUD funded beneficiaries including Section 8 Voucher holders
- 4. Other low-income people in the HACEP service area

#### II. What is a Section 3 Business Concern and how do they receive Preference in contract award?

A business that meets these certification definitions must receive Preference in contracting:

- 1. Is <u>51% or more owned</u> by Section 3 residents;
- 2. Employs Section 3 residents for <u>at least 30% of its full-time</u>, permanent staff; or (**During the entire life of the contract**)
- 3. Provides evidence of a commitment to <u>subcontract</u> to Section 3 business concerns, <u>25% or more of the dollar amount</u> of the awarded contract.

## • YOU MUST MAINTAIN THOSE PREFERENCE LEVELS DURING THE ENTIRE CONTRACT OR RISK HAVING THE CONTRACT TERMINATED FOR FAILURE TO COMPLY

#### **III. Other Methods of Compliance**

Contractors can provide an array of trainings to Section 3 residents that are employment related, skills enhancing or employment readiness in nature. Here are the methods of achieving compliance through training. Training and other employment opportunities must receive prior approval from HACEP.

- 1. Contractor must develop a solid professional curriculum and it must be pre-approved by HACEP.
- 2. Contractor may identify a person or persons that are qualified to provide the training within their staff.
- 3. Contractors can partner with other groups that provide the desired training and pay them directly for the service.



4. The contractor can sub-contract the Section 3 compliance training to an outside firm specializing in training and educational programs to Section 3 residents.

#### IV. All Contracts and All Contractors must meet Section 3 compliance by:

**Step 1** Give notice of any and all opportunities for employment and contracting to HACEP residents and other low and very low-income area residents and businesses by posting the position (s) in community sources that are generally available to low income residents and the general-public.

- (1) Local community newspapers
- (2) Widely distributed newspapers
- (3) Company agency website
- (4) HACEP communities and HACEP website
- (5) Upper Rio Grande Workforce Solutions
- (6) Other locations as approved by HACEP

**Step 2** Hiring notices should clearly state the requirements for applying and achieving the opportunity and that the position is a "Section 3"covered position under the HUD Act of 1968.

Step 3 Utilize the Section 3 Clause in RFB's, REQUEST FOR PROPOSAL', RFQ's, etc., contracts and subcontracts.

**Step 4** Hold informational meetings when possible prior to requesting bids or taking applications so the residents or businesses are encouraged to apply for the employment or contracting.

**Step 5** Provide preference in hiring and contracting to Section 3 applicants and contractors when all factors are equal for the opportunity, including price and salary requests.



## Section 3 Clause

### Training and Employment Opportunities for Residents in the Project Area (Section 3, HUD Act of 1968; 24 CFR 135)

(a) The work to be performed under this contract is subject to the requirements of section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1701u (section 3). The purpose of section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by section 3, shall, to the greatest extent feasible, be directed to low- and very low-income persons, particularly persons who are recipients of HUD assistance for housing.

(b) The parties to this contract agree to comply with HUD's regulations in 24 CFR Part 135, which implement section 3. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the Part 135 regulations.

(c) The contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers' representative of the contractor's commitments under this section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the section 3 preference, shall set forth minimum number and job titles subject to hire, availability of Section 3 apprenticeship and training positions, the qualifications for each; and the name and location of the person(s) taking applications for each of the positions; and the anticipated date the work shall begin.

(d) The contractor agrees to include this section 3 clause in every subcontract subject to compliance with regulations in 24 CFR Part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR Part 135. The contractor will not subcontract with any subcontractor where the contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR Part 135.

(e) The contractor will certify that any vacant employment positions, including training positions, that are filled (1) after the contractor is selected but before the contract is executed, and (2) with persons other than those to whom the regulations of 24 CFR Part 135 require employment opportunities to be directed, were not filled to circumvent the contractor's obligations under 24 CFR Part 135.

(f) Noncompliance with HUD's regulations in 24 CFR Part 135 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD assisted contracts.



## Public Housing Authority Required Submittal Section 3 Certification and Action Plan

Name of Business					
Address of Business					
Type of Business (Check One):	□Corporation	□Partnership	□Sole Proprietorship	□Other	

Contract/Request for Proposal Name or Number:

All firms and individuals intending to do business with RECIPIENT and contractors MUST complete and submit this Action Plan and submit it with the bid, offer, or proposal. Any Request for Proposal response that does not include this document (completed and signed) will be considered non-responsive and not eligible for award.

### I am Certifying as a Section 3 Concern and requesting Preference accordingly (Select only One Option):

51% Resident Owned	IMPROTANT NOTICE: Preference must be maintained for the entire contract
A business claiming	or the contract will be in non-compliance and at risk of termination.
status as a Section 3	
Resident-Owned	30% Employer of Section 3 Residents Currently or New Hires
Business Concern	Section 3 status, because at least 30% of the existing or newly hired workforce for this
(ROB) entity:	specific contract will be Section 3 residents throughout the entire contract period. If
Initial here to select this	a Prime or General Contractor is electing this option, the 30% employment
option	requirement will be for the entire project including all the sub-contractors employees.
Provide Certification for	Initial here to select this option
Section 3 Residents and proof that they own a	I anticipate my total number of employees for this contract to be and will
minimum 51% of the	be qualified Section 3.
	Check all methods you will employ to secure Section 3 Residents/Persons. Posting the
25% Sub-Contracting	position in community sources that are generally available to low income residents
A business claiming	and the general public is a standard requirement. Check at least three (3) methods
Section 3 status by	you will employ
subcontracting 25% of	The local community newspaper
the dollar award to	Widely distributed newspaper
qualified Section 3	Company or agency website
Business:	HACEP communities and HACEP website
Initial here to select this	Upper Rio Grande Workforce Solutions
IF CONTRACTOR L	DOES NOT ANTICIPATE TRIGGERING THE REGULATION, CHECK BOTH BOXES.

□ I do not anticipate any new employees on this contract.

□ I do not anticipate any new contracting on this contract.



## **PRIOR COMPLIANCE CERTIFICATION**

I am certifying that I have complied with the HUD Section 3 Regulations in my past contracts <u>when required</u> by the recipient, contractor by employing the following:

1. I was a Section 3 Resident- Owned Business (ROB). List the Contracts and HUD Funded Entity and Contact:	2. I complied with Section 3 by employing at least 30% of my workforce. List the Contracts and HUD Funded Entity and Contact:	3. I complied with Section 3 by subcontracting 25% of the total dollar award to a qualified Section 3 Business. List the Contracts and HUD Funded Entity and Contact:				
<b>4</b> . I complied with Section 3 on a previous HUD funded contract by doing these things and with these entities: Describe:	<ul> <li>5. I completed HUD Section 3 covered contracts in the past three years but was not required to meet compliance.</li> <li>Check the box of the corresponding reason below.</li> </ul>					
	I did not trigger the regulation b Previous contract(s) in violation of	y hiring any new employees on my				
	I did not trigger the regulation by hiring any contractors on previous, contract(s) in violation of the Section 3 regulation.					

6. I certify that I have not performed previous Section 3 covered contracts

Signature

-----

\_\_\_\_\_

Print Name

\_\_\_\_\_

Date



### SECTION 3 SELF-CERTIFICATION AND SKILLS DATA FORM

### Certification for Section 3 Residents or other Low-Income Persons Seeking Employment, Training or Contracting

Eligibility for Preference

A Section 3 resident seeking the preference in training and employment provided by this part shall certify, or submit evidence to the recipient contractor or subcontractor, if requested, that the person is a Section 3 resident, as defined in Section 135.5. (An example of evidence of eligibility for the preference is evidence of receipt of public assistance, or evidence of participation in a public assistance program).

I,	am legal resident of the United States and meet the income eligibility and federal
guidelines for a Section 3 Resident as defined on the	next page.

My home address is:

	Must be a <b>Stree</b>	t address not a P O Box # Apt 1	Number
City	State Zij	p Home #	Cell #
I have attached the Copy of	-	on as evidence of my status: Copy o	f recipient of public assistance
	f Evidence of Participation plic assistance program	other e	vidence:
Graduated High	School or GED (month/ye	ar) I Read and Speak Eng	lish Fluently Yes or No
Attended College	e, Trade, or Technical Sch	oolYes/No GraduatedYes/N	No Year Graduated
Check the Skills.	Trades, and/or Profession	s you have been employed in or con	tracted to do for others:
Drywall Hang	ing □Drywall Finishing	□Interior Painting	□Framing
□HVAC	□Electrical	□Interior Plumbing	□Exterior Plumbing
□Siding	□Cabinet Hanging	Door Replacement	□Trim/Carpentry
□Stucco	□Window/Door Repl.	□Construction Cleaning	□Exterior Framing



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□Data Entry	□Receptionist	□ Sales	Telephone Customer Service
□Administrative	□Teaching/Training	□Personal Care Aid	□Landscaping
□CDL License	□Roofing	Concrete/Asphalt Work	Heavy Equipment Operator
□Fencing	□Metal/Steel Work	□Welding	□Other
		Continued in other page	
I am certifying as	a Section 3:	eking Training <u>or</u> 🗆 Per	son seeking employment
(Check all that ap	oply):		
□ <u>I am a public</u>	housing leaseholder		
□ <u>I am a Sectio</u>	n 8 leaseholder		
□ <u>I live in the se</u>	ervice area of the Authori	ty (El Paso, TX)	
My total annual h	nousehold income is \$	There are a total of	_ people living in my household
as an applicant ar	nd/or a certified Section 3 i	ndividual which may be grounds for	be inaccurate, I understand that I may be disqualified termination of training, employment, or contracts that

as an applicant and/or a certified Section 3 individual which may be grounds for termination of training, employment, or contracts that resulted from this certification. I attest under penalty of perjury that my total household income annually, based on my total household size as listed above is at or below the income amount for that specific size at the time of this document is being signed. I understand that proof of this statement may be requested in the future.

Signature

Print Name

Date



## FY 2019 INCOME LIMITS

## El Paso, TX

FY 2019 Income Limit Area	Median Income	FY 2019 Income Limit Category	l Person	2 Person	3 Person	4 Person	5 Person	6 Person	7 Person	8 Person
		Very Low (50%) Income Limits	\$20,550	\$23,500	\$26,450	\$29,350	\$31,700	\$34,050	\$36,400	\$38,750
El Paso County	\$50,300	Extremely Low (30%) Income Limits	\$12,490	\$16,910	\$21,330	\$25,750	\$30,170	\$34,050	\$36,400	\$38,750
		Low (80%) Income Limits	\$32,900	\$37,600	\$42,300	\$46,950	\$50,750	\$54,500	\$58,250	\$62,00



As part of the Housing and Urban Development's (HUD) Section III initiative for providing employment opportunities for public housing residents, the Engineer will identify construction labor opportunities that may be performed by skilled and unskilled residents.

All Section 3 covered contracts shall include the following clause (referred to as the Section 3 Clause):

- A. The work to be performed under this Contract is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968, as amended, 12
   U.S.C. 1701u (Section 3). The purpose of Section 3 is to ensure that employment and other economic opportunities generated by HUD assistance of HUD-assisted projects covered by Section 3, shall, to the greatest extent feasible, be directed to low-and very low-income persons, particularly persons, who are recipients of HUD assistance for housing.
- B. The parties to this Contract agree to comply with HUD's regulations in 24 CFR Part 135, which implement Section 3. As evidenced by their execution of this Contract, the parties to this Contract certify that they are under no contractual or other impediment that would prevent them from complying with part 135 regulations.
- C. The Contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement of other understanding, if any, a notice advising the labor organization or workers' representative of the contractor's commitments under this Section 3 Clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the Section 3 reference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each; and the name and location of the person(s) taking applications for each of the positions; and anticipated date the work shall begin.
- D. The Contractor agrees to include this Section 3 Clause in every subcontract subject to compliance with regulations in 24 CFR Part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this Section 3 Clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR Part 135. The Contractor will not subcontract with any subcontractor where the Contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR Part 135.
- E. The Contractor will certify that any vacant employment positions, including training positions, that are filled (1) after the contractor is selected but before the Contract is executed, and (2) with persons other than those to whom the regulations of 24 CFR Part 135 require employment opportunities to be directed, were not filled to circumvent the contractor's obligations under 24 CFR Part 135.
- F. Noncompliance with HUD's regulations in 24 CFR Part 135 may result in sanctions, termination of this Contract for default, and debarment of suspension from HUD assisted contracts.



## PREFERENCE FOR SECTION 3 BUSINESS CONCERNS IN CONTRACTING OPPORTUNITIES:

Order of providing preference:

Contractor and subcontractor shall direct their efforts to award Section 3 covered contracts, to the greatest extent feasible, to Section 3 business concerns in the following order of priority:

- 1. Public and Indian housing programs. In public and Indian housing programs, efforts shall be directed to award contracts to Section 3 business concerns in the following order of priority:
  - a Business concerns that are 51% percent or more owned by residents of the housing development or developments for which the Section 3 covered assistance is expended, or whose full-time, permanent workforce includes 30% percent of these persons as employees (category 1 businesses);
  - b. Business concerns that are 51% percent or more owned by residents of other housing developments or developments managed by the HA that is expending the Section 3 covered assistance, or whose full-time, permanent workforce includes 30% percent of these persons as employees (category 2 businesses); or
  - c. HUD Youth build programs being carried out in the metropolitan area (or Non- metropolitan county) in which the Section 3 covered assistance is expended (category 3 businesses).
  - d. Business concerns that are 51% percent or more owned by Section 3 residents, or whose permanent, fulltime workforce includes no less than 30% percent Section 3 residents (category 4 businesses), or that subcontract in excess of 25% percent of the total amount of subcontracts to Section 3 business concerns.

Housing and community development programs. In housing and community development programs, priority considerations shall be given, where feasible, to:

- a. Section 3 business concerns that provide economic opportunities for Section 3 residents in the service area or neighborhood in which the Section 3 covered project is located (category 1 businesses); and
- b. Applicants (as this term is defined in 42 U.S.C. 12899) selected to carry out HUD Youth build programs (category 2 businesses);
- c. Other Section 3 business concerns.



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Eligibility to preference.

A business concern seeking to qualify for a Section 3 contracting preference shall certify or submit evidence, if requested, that the business concern is a Section 3 business concern as defined in Sec. 135.5.

Ability to complete contract. A section 3 business concern seeking a contract or a subcontract shall submit evidence to the Contractor, or subcontractor (as applicable), if requested, sufficient to demonstrate to the satisfaction of the party awarding the contract that the business concern is responsible and has the ability to perform successfully under the terms and conditions of the proposed contract. (The ability to perform successfully under the terms and conditions of the proposed contract is required of all Contractors and subcontractors subject to the procurement standards of 24 CFR 85.36 (see 24 CFR 85.36 (b)(8)). This regulation requires consideration of, among other factors, the potential Contractor's record in complying with public policy requirements. Section 3 compliance is a matter properly considered as part of this determination.



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## PART III

## DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS



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## **SECTION E**

## LIST OF ATTACHMENTS

Attachment A - Form of Contract Attachment B – Drawings



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## FORM OF NON-COLLUSIVE AFFIDAVIT <u>PRIME OFFEROR</u>

State of Texas County of El Paso

\_\_\_\_\_, being first duly sworn, deposes and says:

# That he is\_\_\_\_\_\_(state whether a partner or officer of the firm, corp., etc.) of the party making the foregoing proposal and attests to the following:

- 1. That affiant employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the affiant whose services in securing the public contract were in the regular course of their duties for affiant; and
- 2. That no part of the contract price received by affiant was paid or will be paid to any person, corporation, firm, association, or other than the payment of their normal compensation to persons regularly employed by the affiant whose service in connection with the project were in the regular course of their duties for affiant.
- 3. That such proposal is genuine and not collusive or sham; that said offeror has not colluded, conspired, connived, or agreed, directly or indirectly, with any offeror or person, to put in a sham offer or to refrain from submitting an offer and has not in any manner, directly or indirectly, sought by agreement or collusion, or communication or conference, with any person, to fix to any overhead profit or cost element of said price, or of that of any other offeror, or to secure any advantage against the Housing Authority of the City of El Paso, Texas, or any person interested in the proposed contract, and that all statements in said proposal are true.
  - : Signature of Offeror if Offeror

is an individual

- : Signatures of all partners if Offer is a partnership
- : Signature of Corporate Principal if Offeror is a corporation

## Subscribed and sworn to before me



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## **CERTIFICATION OF**

## EQUAL EMPLOYMENT OPPORTUNITY AGREEMENT

I(Official's Name)	(Title)
	do hereby certify that I have read and
understand the EEO requirements thr	oughout the life of this contract.
Attachment of this executed form, as s	such, is required to complete a valid
bid/proposal.	
For Project:	
Job to be Performed:	

Official's Signature

Date



## FEDERAL LABOR STANDARDS CERTIFICATION

I,\_\_\_\_\_, the Offeror, certify that I and all subcontractors involved in the proposed contract will comply with Federal Labor Standards and prevailing wage rates.

Signature of Offeror if Offeror is an individual Signature of all partners of Offeror is a partnership

Company

Date



## STATEMENT OF OFFEROR'S QUALIFICATIONS

All questions must be answered and the data given must be clear and comprehensive. This statement must be notarized. If necessary, questions may be answered on separate attached sheets. The Offeror may submit any additional information he/she desires.

- 1. Name of Firm (Legal Name)
- a. Name of President:
- 2. Permanent main office address. Including city, state and zip code, main phone number.
- 3. When organized (year).
- 4. If a Corporation, where incorporated.
- 5. The offeror represents that the following persons are authorized to negotiate on its behalf with the PHA in connection with this Request for Proposals: (list names, titles, and telephone numbers of the authorized negotiators):

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Email: \_\_\_\_\_

(Please attach sheets if more than one person is authorized to negotiate on the firm's behalf)



- 6. How many years have you been engaged in practice under your present firm name?
- 7. Contracts on hand: (schedule this showing gross amount of each contract and the appropriate anticipated dates of completion.)
- 8. General character of work performed by your company.
- 9. Have you ever failed to complete any work awarded to you? If so, where why? (Be specific and attach separate sheets if needed)

10. Have you ever defaulted on a contract? If so, where and why? (Be specific, attach separate sheet if needed.)

- 11. List the more important contracts recently completed by you, stating approximate gross cost for each, and the month and year completed.
- 12. List your major areas of expertise and resources available for this contract.



- 13. Experience in this type of work similar in size to this project.
- 14. Background and experience of the President, principal members of your organization and officers. (Attach separate sheets.)
- 15. Please attach a letter from your bank (on bank letterhead) referencing the following information: Is your account in good standing? What year was the account established? What is the account balance (\$50,000 can be expressed as mid-five figures)?
- 16. Attach letters of reference from (3) firms that do business with your company, (strictly those firms who have awarded contracts to your company).
- 17. Will you, upon request, fill out a detailed financial statement and furnish any other information that may be required by the Housing Authority of the City of El Paso, Texas?
  - YES



- a. Have you ever been a party to or otherwise involved in any action or legal proceeding involving matters related to race, color, nationality, sex, disability, age or religion? If so, give full details. (Attach separate sheets.)
- b. Have you ever been accused of discrimination based upon race, color, nationality, sex, disability, age, or religion in any action or legal proceeding including any

proceeding related to any Federal Agency? If so, give full details. (Attach separate sheets.)

- 18. Do you provide safety training for your employees? Please attach details.
- 19. The undersigned hereby authorized and request any person, firm or corporation



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to furnish any information requested by Affordable Housing Acquisition an

20. Affiliate of The Housing Authority of the City of El Paso, Texas in verification of the recitals comprising this Statement of Offeror's Qualifications.

Date	this	day of		, 20	·
			()	Name of Offe	eror)
		By:			
		Titl	e:		
State of			)		
City/County of			)		
			Being	duly	swe
deposes					
and says that he/she	is the				
		and that the a	answers to the fo	oregoing	
questions and all sta	tements therein conta	ined are true and	l correct.		
Subscribed and swo	rn to before me this		day of	, 2	20
-				f	f, 2
				(notaly rub	jiic)



#### Certification A: Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions

1. The prospective primary participant certifies to the best of its knowl- edge and belief that its principals;

a Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal debarment or agency;

b. Have not within a three-year period preceding this proposal, been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtain- ing, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false statements, or receiving stolen property;

c. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and

d. Have not within a three-year period preceding this application/ proposal had one or more public transactions (Federal, State, or local) terminated for cause or default.

2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

#### **Instructions for Certification (A)**

1. By signing and submitting this proposal, the prospective primary participant is providing the certification set out below.

2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in this covered transaction. The prospective participant shall submit an explanation of why it cannot provide the certification set out below. The certifi- cation or explanation will be considered in connection with the department or agency's determination whether to enter

Sun Plaza Tower Wellness Clinic

U.S. Department of Housing and Urban Development

into this transaction. However, failure of the prospective primary participant to furnish a certification or an explanation shall disqualify such person from participation in this transaction.

3. The certification in this clause is a material representation of fact upon which reliance was place when the department or agency deter- mined to enter into this transaction. If it is later determined that the prospective primary participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause of default.



## Request for Proposal OPS 20-R-0003

Sun Plaza Tower Wellness Clinic

4. The prospective primary participant shall provide immediate written notice to the department or agency to whom this proposal is submitted if at any time the prospective primary participant learns that its certification was erroneous when submitted or has become errone- ous by reason of changed circuMSTances.

5. The terms **covered transaction**, **debarred**, **suspended**, **ineligible**, **lower tier covered transaction**, **participant**, **person**, **primary covered transaction**, **principal**, **proposal**, **and voluntarily excluded**, as used in this clause, have the meanings set out in the Definitions and Coverage sections of the rules implementing Executive Order 12549. You may contact the department or agency to which this proposal is being submitted for assistance in obtaining a copy of these regulations.

6. The prospective primary participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

7. The prospective primary participant further agrees by submitting this proposal that it will include the clause titled "Certification

Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all Request for Proposals for lower tier covered transactions.

8. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines this eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List.

9. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

10. Except for transactions authorized under paragraph (6) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause of default.



#### Certification B: Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

#### Instructions for Certification (B)

1. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.

2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

3. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

4. The terms covered transaction, debarred, suspended, ineligible, lower tier covered transaction, participant, person, primary cov- ered transaction, principal, proposal, and voluntarily excluded, as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assis- tance in obtaining a copy of these regulations. 5. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier coverec transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this trans- action originated.

6. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transaction," without modification, in al lower tier covered transactions and in all solicitations for lower tier covered transactions.

7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List.

8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

9. Except for transactions authorized under paragraph (5) of these instructions, if a participant in a lower covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies including suspension and/or debarment.

Applicant	Date	
Signature of Authorized Certifying Official	Title	



Approved by OMB

0348-0046

Sun Plaza Tower Wellness Clinic

Com	alete this	form to	disclose	lobbying	activities	pursuant to	31	USC	1352
Com	siete tills	101111 to	uisciose	lobbying	activities	pursuant to	51	0.s.c.	1332

(See reverse for publi	(See reverse for public burden disclosure.)				
<b>1.</b> Type of Federal Action: <b>2.</b> Status of Federal	Action:	3. Report Type:			
	offer/application	a. initial filing			
b. grant b. initia	ll award	b. material change			
C. cooperative agreement C. post-	award	For Material Change Only:			
d. loan		yearquarter			
e. loan guarantee		date of last report			
f. loan insurance					
4. Name and Address of Reporting Entity:	5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and				
Prime Subawardee Tier, <i>if known</i> :	Address of Prime	ess of Prime:			
Congressional District, if known :	Congressional Di				
6. Federal Department/Agency:		n Name/Description:			
	CFDA Number, <i>if</i>	CFDA Number, <i>if applicable</i> :			
8. Federal Action Number, if known :	9. Award Amount,	9. Award Amount, if known :			
	\$				
10. a. Name and Address of Lobbying Registrant	h. Individuals Perf	orming Services (including address if			
( if individual, last name, first name, MI ):	different from No name, first name	p. 10a ) (last			
<b>11.</b> Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact	Signature:				
upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be available	Print Name:				
for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.	Title:				
	Telephone No.:	Date:			
Federal Use Only:		Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)			



#### INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether sub awardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

- 1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered Federal action.
- 2. Identify the status of the covered Federal action.
- 3. Identify the appropriate classification of this report. If this is a follow up report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.
- 4. Enter the full name, address, city, State and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or sub award recipient. Identify the tier of the sub awardee, e.g., the first sub awardee of the prime is the 1st tier. Sub awards include but are not limited to subcontracts, sub grants and contract awards under grants.
- 5. If the organization filing the report in item 4 checks "Sub awardee," then enter the full name, address, city, State and zip code of the prime Federal recipient. Include Congressional District, if known.
- 6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
- 7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.
- 8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal number; Invitation for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "REQUEST FOR PROPOSAL-DE-90-001."
- 9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.
- 10. (a) Enter the full name, address, city, State and zip code of the lobbying registrant under the Lobbying Disclosure Act of 1995 engaged by the reporting entity identified in item 4 to influence the covered Federal action.
  - (b) Enter the full names of the individual(s) performing services, and include full address if different from 10 (a). Enter Last Name, First Name, and Middle Initial (MI).
- 11. The certifying official shall sign and date the form, print his/her name, title, and telephone number

According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is OMB No. 0348-0046. Public reporting burden for this collection of information is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Managementand Budget, Paperwork Reduction Project (0348-0046), Washington, DC 20503.

Bond Number \_\_\_\_\_



)in

Sun Plaza Tower Wellness Clinic

## TEXAS STATUTORY PERFORMANCE BOND

(Penalty of This Bond must be 100% of Contract Amount) Public Work - State of Texas

STATE OF TEXAS COUNTY OF EL PASO

### KNOW ALL MEN BY THESE PRESENTS:

That\_\_\_\_\_\_, a\_\_\_\_\_of\_\_\_\_\_, hereinafter called the Principal, and\_\_\_\_\_\_,

a corporation organized and existing under the laws of the State of \_\_\_\_\_\_\_, and whose principal office is located in the City of \_\_\_\_\_\_, and

duly authorized to do business in the State of Texas, hereinafter called the Surety, are held and firmly bound into

AFFORDABLE HOUSING ACQUISITION AN AFFILIATE OF THE HOUSING AUTHORITY OF THE CITY OF EL PASO, TEXAS, hereinafter called Owner, in the penal sum of \_\_\_\_\_\_

DOLLARS (\$\_\_\_\_\_

lawful money of the United States, to be paid in EL PASO COUNTY, TEXAS for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents. Whereas, the Principal entered into a certain contract with the Owner, dated the

of\_\_\_\_\_\_,20\_\_\_\_\_, a copy of which is hereto attached and made a part hereof, for

\_\_\_\_\_, herein called the "work".

NOW THEREFORE, THE CONDITIONS OF THIS OBLIGATION IS SUCH that if the Principal shall faithfully perform the work in accordance with plans, specifications and contract documents then this obligation shall be void: otherwise to remain in full force and effect.

PROVIDED HOWEVER, that this bond is executed pursuant to the provisions of Chapter 2253 of the Texas Government Code, and all liabilities on this bond shall be determined in accordance with the provisions thereof to the same extent as if copied at length herein.

PROVIDED FURTHER, that if any legal action to be filed upon this bond, venue shall lie in EL PASO COUNTY, State of Texas, and that the Surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to the work to be performed thereunder or the plans, specifications or drawings accompanying the same shall in anywise affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the work to be performed thereunder.



Request for Proposal OPS 20-R-0003

Sun Plaza Tower Wellness Clinic

Attested:

Principal

By\_\_\_

(Principal) Secretary

(Address)

(Address)

NOTE: If Contractor is Partnership, all partners should execute bond.



### PAYMENT BOND

Public Work - State of Texas

KNO	OW ALL MEN BY THESE PRESEN	VTS:	
That	<u></u>	of the City of	, County
of	, and State of	, hereinafter called Principal, and	
bound unto A		act as surety on bonds for Principals, hereinafter called ITION AN AFFILIATE OF THE HOUSING AUTH he penal sum of	
			DOLLARS
		ey of the United States, to be paid in EL PASO COU elves and their heirs, administrators, executors,	JNTY, TEXAS for the payment
successors, jo	ointly and severally, firmly by these p	presents.	
WH	EREAS, the Principal entered into a d	certain contract with the Owner, dated the	day of
	, 20 , for		
	ne same extent as if copied at length,	, to which the contract is hereby referred , herein called the Work.	to and made a part hereof as
supplying lab		N OF THIS OBLIGATION IS SUCH that if the said lactor in the prosecution of the Work provided for in safull force and effect.	
Code, and all		d is executed pursuant to the provisions of Chapter ermined in accordance with the provision of said Ch	
and that Sure contract, or to affect its obli	ty, for the value received, stipulates a b the work to be performed thereunder	action be filed upon this bond, venue shall lie in EL P and agrees that no change, extention of time, alteratio er, or the plans, specifications or drawings accompan by waive notice of any such change, extension of time ed thereunder.	on or addition to the terms of the hying the same, shall in anywise
		MASTE	ERS.NEW\PAYBOND.FRM L-1
	FURTHER, that no final settlement b hose claim may be unsatisfied.	between the Owner and the Contractor shall abridge t	he right of any beneficiary

IN WITNESS WHEREOF, this instrument is executed in six counterparts, each one of which shall be deemed an original, this the \_\_\_\_\_\_day of \_\_\_\_\_\_, 20 \_\_

Attested:



Request for Proposal OPS 20-R-0003

Sun Plaza Tower Wellness Clinic

	Principal
	By
(Principal) Secretary	<i>by</i>
(Thielphi) Secretary	
	Without to Different
	Witness as to Principal
	(Address)
	Surety
	Attested:
	By
(Surety) Secretary	
	(Address)
	()
	(SEAL)
	With any on the Country
	Witness as to Surety
	(Address)
Note: If Contractor is Partnership, all partners should execute Bond.	

"General Decision Number: TX20200036 01/03/2020



"General Decision Number: TX20200245 01/03/2020 Superseded General Decision Number: TX20190245

State: Texas

Construction Type: Building

County: El Paso County in Texas.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories). Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.80 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2) - (60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number Publication Date

0 01/03/2020

BOIL0074-003 01/01/2017



Sun Plaza Tower Wellness Clinic

BOILERMAKER	\$ 28.00	22.35
* ELEC0583-001 12/01/2019		
ELECTRICIAN (Excludes Low		
Voltage Wiring and		
Installation of Alarms/HVAC		
Temperature Controls)		5.25%+7.32
ENGI0178-005 06/01/2014		
POWER EQUIPMENT OPERATOR		
(1) Tower Crane	\$ 29.00	10.60
(2) Cranes with Pile		
Driving or Caisson		
Attachment and Hydraulic		
Crane 60 tons and above	\$ 28.75	10.60
(3) Hydraulic cranes 59		
Tons and under	\$ 27.50	10.60
IRON0084-011 06/01/2019		
IRONWORKER, ORNAMENTAL	\$ 24.42	7.12

PLUM0412-001 04/01/2013

Rates Fringes



Sun Plaza Tower Wellness Clinic

PLUMBER (Including HVAC Pipe		
Installation)	\$ 31.14	12.43
SFTX0669-002 04/01/2019		
SPRINKLER FITTER (Fire		
Sprinklers)	\$ 29.53	21.27
SUTX2014-021 07/21/2014		
BRICKLAYER	\$ 16.17	0.00
CARPENTER (Drywall		
Finishing/Taping Only)	\$ 12.81	0.00
CARPENTER, Excludes Drywall		
Finishing/Taping, Drywall		
Hanging, Form Work and Metal		
Stud Installation	\$ 13.51	3.29
CEMENT MASON/CONCRETE FINISHER	\$ 13.02	0.00
DRYWALL HANGER AND METAL STUD		
INSTALLER	\$ 12.81	0.00
ELECTRICIAN (Alarm		
Installation Only)	\$ 15.38	2.92
ELECTRICIAN (HVAC/Temperature		
Controls Installation Only)	\$ 19.09	6.45
Page <b>75</b> of <b>1</b>	03	



Sun Plaza Tower Wellness Clinic

ELECTRICIAN (Low Voltage		
Wiring Only)	\$ 15.38	2.92
FENCE ERECTOR	\$ 9.93	1.83
FLOOR LAYER: Carpet	\$ 12.81	0.00
FLOOR LAYER: Vinyl Flooring	\$ 12.87	0.00
FORM WORKER	\$ 12.57	1.03
GLAZIER	\$ 15.86	1.00
INSULATOR - MECHANICAL		
(Duct, Pipe & Mechanical		
System Insulation)	\$ 16.91	0.00
IRONWORKER, REINFORCING	\$ 15.60	0.00
IRONWORKER, STRUCTURAL	\$ 15.37	4.34
LABORER: Common or General	\$ 9.30	0.00
LABORER: Driller	\$ 14.12	1.01
LABORER: Mason Tender - Brick	\$ 12.50	2.30
LABORER: Mason Tender -		
Cement/Concrete	\$ 10.82	0.96
LABORER: Pipelayer	\$ 11.00	3.47
LABORER: Roof Tearoff	\$ 10.06	0.00
LABORER: Landscape and		
Irrigation	\$ 10.00	0.00
OPERATOR:		
Backhoe/Excavator/Trackhoe	\$ 14.43	0.74
OPERATOR: Bobcat/Skid		
Steer/Skid Loader	\$ 13.93	0.00
Page <b>76</b> of <b>10</b>	3	



Sun Plaza Tower Wellness Clinic

OPERATOR: Bulldozer	\$ 18.29	1.31
OPERATOR: Drill	\$ 16.22	0.34
OPERATOR: Forklift	\$ 14.83	0.00
OPERATOR: Grader/Blade	\$ 19.50	1.05
OPERATOR: Loader	\$ 12.87	0.70
OPERATOR: Mechanic	\$ 17.00	0.00
OPERATOR: Paver (Asphalt,		
Aggregate, and Concrete)	\$ 16.03	0.00
OPERATOR: Roller	\$ 12.70	0.00
PAINTER (Brush, Roller, and		
Spray)	\$ 12.50	0.00
PIPEFITTER, Excludes HVAC		
Pipe Installation	\$ 18.15	0.98
ROOFER	\$ 11.42	0.00
SHEET METAL WORKER (HVAC Duct		
Installation Only)	\$ 23.56	3.60
SHEET METAL WORKER, Excludes		
HVAC Duct Installation	\$ 21.13	6.53
TILE FINISHER	\$ 11.22	0.00
TILE SETTER	\$ 12.02	0.00
TRUCK DRIVER: Dump Truck	\$ 12.39	1.18
TRUCK DRIVER: Flatbed Truck	\$ 19.65	8.57
TRUCK DRIVER: Semi-Trailer		
Truck	\$ 12.50	0.00
TRUCK DRIVER: Water Truck	\$ 12.00	4.11

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses

(29CFR 5.5 (a) (1) (ii)).

\_\_\_\_\_

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.



Sun Plaza Tower Wellness Clinic

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

\_\_\_\_\_

# WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination



- \* a Wage and Hour Division letter setting forth a position on
  - a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage DeterminationsWage and Hour DivisionU.S. Department of Labor200 Constitution Avenue, N.W.Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative



Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

\_\_\_\_\_

END OF GENERAL DECISION



# PART IV

# **REPRESENTATIONS AND INSTRUCTIONS**



# SECTION F

# **REQUIRED CERTIFICATIONS**



Sun Plaza Tower Wellness Clinic

Certifications and Representations of Offerors U.S. Department of Housing and Urban Development OMB Approval No: 2577-0180 (Gxp. 7130/96)

Office of Public and Indian Housing

Non-Construction Contract

Public reporting burden for this collection of information is estimated to average 0.08 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspects of this collection of information, including suggestions for reducing this burden, to the Reports Management Officer, Paperwork Reduction Project (2577-0180), Office of Information Technology, U.S. Department of Housing and Urban Development, Washington, D.C@ 20410-3600@

Do not send this form to the above address.

#### 1. Contingent Fee Representation and Agreement

(a) The bidder/offeror represents and certifies as part of its bid/offer that, except for full-time bona fide employees working solely for the bidder/offeror, the bidder/offeror:

- [] has, [] has not employed or retained any person or company to solicit or obtain this contract; and
- (2) [] I has, [] has not paid or agreed to pay to any person or company employed or retained to solicit or obtain this contract any commission, percentage, brokerage, or other fee contingent upon or resulting from the award of this contract.

(b) If the answer to either (a)(1) or (a) (2) above is affirmative, the bidder/offeror shall make an immediate and full written disclosure to the PHA Contracting Officer.

(c) Any misrepresentation by the bidder/offeror shall give the PHA the right to (1) terminate the resultant contract; (2) at its discretion, to deduct from contract payments the amount of any commission, percentage, brokerage, or other contingent fee; or (3) take other remedy pursuant to the contract.

#### 2. Small, Minority, Women-Owned Business Concern Represetation

The bidder/offeror represents and certifies as part of its bid/ offer that it:

- (a) [] is, [] is not a small business concern. "Small business concern," as used in this provision, means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding, and qualified as a small business under the criteria and size standards in 13 CFR 12 1.
- (b) [] is, [] is not a women-owned small business concern. "Womenowned," as used in this provision, means a small business that is at least 51 percent owned by a woman or women who are U.S. citizens and who also control and operate the business.
- (c) [] is, [] is not a minority enterprise which, pursuant to Executive Order 1 1625, is defined as a business which is at least 51 percent owned by one or more minority group members or, in the case of a publicly owned business, at least 51 per cent of its voting stock is owned by one or more minority group members, and whose management and daily operations are controlled by one or more such individuals. For the purpose of this definition, minority group members are:

(Check the block applicable to you)



#### 3. Certificate of Independent Price Determination

(a) The bidder/offeror certifies that-

- (1)The prices in this bid/offer have been arrived at independently, without, for the purpose of restricting competition. any consultation, communication, or agreement with any other bidder/offeror or competitor relating to (i) those prices, (ii) the intention to submit a bid/offer, or (iii) the methods or factors used to calculate the prices offered-.
- (2) The prices in this bid/offer have not been and will not be knowingly disclosed by the bidder/offeror, directly or indirectly, to any other bidder/offero or competitor before bid opening (in the case of a sealed bid Request for Proposal) or contract award (in the case of a negotiated Request for Proposal) unless otherwise required by law; and
- (3) No attempt has been made or will be made by the bidder/ offeror to induce any other concern to submit or not to submit a bid/offer for the purpose of restricting competition.
- (b) Each signature on the bid/offer is considered to be a certification by the signatory that the signatory:
  - (1) Is the person in the bidder/offeror's organization responsible for determining the prices being offered in this bid or proposal,
- [ ] Black Americans
- [ ] Asian Pacific Americans [ ] Asian Indian Americans
- [] Hispanic Americans
- [ ] Native Americans
- - [ ] Hasidic Jewish Americans

and that the signatory has not participated and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) above; or

(2) (i) Has been authorized, in writing, to act as agent for the following principals in certifying that those principals have not participated, and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) above (insert full name of person(s) in the bidder/offeror's organization responsible for determining the prices offered in this bid or proposal, and the title of his or her position in the bidder/ offeror's organization);
(ii) As an authorized agent, does certify that the principals named in subdivision (b)(2)(i) above have not participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) above; and

(iii) As an agent, has not personally participated, and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) above.

(c) If the bidder/offeror deletes or modifies subparagraph (a)2 above, the bidder/offeror must furnish with its bid/offer a signed statement setting forth in detail the circuMSTances of the disclosure.

#### 4. Organizational Conflicts of Interest Certification

(a) The Contractor warrants that to the best of its knowledge and belief and except as otherwise disclosed, it does not have any organizational conflict of interest which is defined as a situation in which the nature of work under a proposed contract and a prospective contractor's organizational, financial, contractual

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Form HUD-5369-C (8/93)

ref Handbook 7460 8



or other interest are such that:

(i) Award of the contract may result in an unfair competitive advantage;

(ii) The Contractor's objectivity in performing the

contract work may be impaired; or

- $(\mathrm{iii})$  That the Contractor has disclosed all relevant information and requested the HA to make a determination with respect to this Contract.
- (b) The Contractor agrees that if after award he or she discovers an organizational conflict of interest with respect to this contract, he or she shall make an immediate and full disclosure in writing to the HA which shall include a description of the action which the Contractor has taken or intends to eliminate or neutralize the conflict. The HA may, however, terminate the Contract for the convenience of HA if it would be in the best interest of HA.
- (c) In the event the Contractor was aware of an organizational conflict of interest before the award of this Contract and intentionally did not disclose the conflict to the HA, the HA may terminate the Contract for default.
- (d) The Contractor shall require a disclosure or representation from subcontractors and consultants who may be in a position to influence

the advice or assistance rendered to the HA and shall include any

necessary provisions to eliminate or neutralize conflicts of interest in consultant agreements or subcontracts involving performance or work under this Contract.

#### 5. Authorized Negotiators (REQUEST FOR PROPOSALs only)

The offeror represents that the following persons are authorized to negotiate on its behalf with the PHA in connection with this Request for Proposals: (list names, titles, and telephone numbers of the authorized negotiators):

#### 6. Conflict of interest

In the absence of any actual or apparent conflict, the offeror, by submission of a proposal, hereby warrants that to the best of its knowledge and belief, no actual or apparent conflict of interest exists with regard to any possible performance of this procurement, as described in the clause in this Request for Proposal titled "Organizational Conflict of Interest."

#### 7. Offeror's Signature

The offeror hereby certifies that the information contained in these certifications and representations is accurate, complete, and current.

Signature & Date:

Typed or Printed Name:

Title:

Form HUD-5369-C (8/93) ref Handbook 7460 8



# **SECTION G**

# **INSTRUCTIONS TO OFFERORS**



### Instructions to Offerors Non-Construction

U.S. Department of Housing and Urban Development

Office of Public and Indian Housing- 03291 -

#### 1. Preparation of Offers

ability to obtain them;

(a) Offerors are expected to examine the statement of work, the proposed contract terms and conditions, and all instructions. Failure to do so will be at the offeror's risk.

(b) Each offeror shall furnish the information required by the Request for Proposal. The offeror shall sign the offer and print or type its name on the cover sheet and each continuation sheet on which it makes an entry. Erasures or other changes must be initialed by the person signing the offer. Offers signed by an agent shall be accompanied by evidence of that agent's authority, unless that evidence has been previously furnished to the HA.

(c) Offers for services other than those specified will not be considered.

#### 2. Submission of Offers

(a) Offers and modifications thereof shall be submitted in sealed envelopes or packages (1) addressed to the office specified in the Request for Proposal, and (2) showing the time specified for receipt, the Request for Proposal number, and the name and address of the offeror.

(b) Telegraphic offers will not be considered unless authorized by the Request for Proposal; however, offers may be modified by written or telegraphic notice.

(c) Facsimile offers, modifications or withdrawals will not be considered unless authorized by the Request for Proposal.

#### 3. Amendments to Request for Proposals

 $(a)\,$  If this Request for Proposal is amended, then all terms and conditions which are not modified remain unchanged.

(b) Offerors shall acknowledge receipt of any amendments to this Request for Proposal by

- (1) Signing and returning the amendment;
- (2) identifying the amendment number and date in the space provided for this purpose on the form for submitting an offer,
- (3) letter or telegram, or
- (4) facsimile, if facsimile offers are authorized in the Request for Proposal. The HA/HUD must receive the acknowledgment by the time specified for receipt of offers.

#### 4. Explanation to Prospective Offerors

Any prospective offeror desiring an explanation or interpretation of the Request for Proposal, statement of work, etc., must request it in writing soon enough to allow a reply to reach all prospective offers before the submission of their offers. Oral explanations or instructions given before the award of the contract will not be binding. Any information given to a prospective offeror concerning a Request for Proposal will be furnished promptly to all other prospective offers as an amendment of the Request for Proposal, if that information is necessary in submitting offers or if the lack of it would be prejudicial to any other prospective offerors.

#### 5. Responsibility of Prospective Contractor

(a) The HA shall award a contract only to a responsible prospective contractor who is able to perform successfully under the terms and conditions of the proposed contract. To be determined responsible, a prospective contractor must -

(1) Have adequate financial resources to perform the contract, or the



### Sun Plaza Tower Wellness Clinic

- (2) Have a satisfactory performance record;
- $(3) \ \text{Have a satisfactory record of integrity and business ethics}; \\$
- (4) Have a satisfactory record of compliance with public policy (e.g., Equal Employment Opportunity); and
- (5) Not have been suspended, debarred, or otherwise determined to be ineligible for award of contracts by the Department of Housing and Urban Development or any other agency of the U.S. Government. Current lists of ineligible contractors are available for inspection at the HA/HUD.

(b) Before an offer is considered for award, the offeror may be requested by the HA to submit a statement or other documentation regarding any of the foregoing requirements. Failure by the offeror to provide such additional information may render the offeror ineligible foraward.

#### 6. Late Submissions, Modifications, and Withdrawal of Offers

(a) Any offer received at the place designated in the Request for Proposal after the exact time specified for receipt will not be considered unless it is received before award is made and it -

- Was sent by registered or certified mail not later than the fifth calendar day before the date specified for receipt of offers (e.g., an offer submitted in response to a Request for Proposal requiring receipt of offers by the 20th of the month must have been mailed by the 15th);
- (2) Was sent by mail, or if authorized by the Request for Proposal was sent by telegram or via facsimile, and it is determined by the HA/ HUD that the late receipt was due solely to mishandling by the HA/HUD after receipt at the HA;
- (3) Was sent by U.S. Postal Service Express Mail Next Day Service Post Office to

   Addressee, not later than 5:00 p.m. at the place of mailing two working days

   prior to the date specified for receipt of proposals. The term "working days"

   Previous edition is obsolete
   page 1 of 2

excludes weekends and U.S. Federal holidays; or

(4) Is the only offer received.

(b) Any modification of an offer, except a modification resulting from the HA's request for "best and final" offer (if this Request for Proposal is a Request for Proposals), is subject to the same conditions as in subparagraph (a)(1), (2), and (3) of this provision.

(c) A modification resulting from the HA's request for "best and final" offer received after the time and date specified in the request will not be considered unless received before award and the late receipt is due, solely to mishandling by the HA after receipt at the HA.

(d) The only acceptable evidence to establish the date of mailing of late offer, modification, or withdrawal sent either by registered or certified mail is the U.S. or Canadian Postal Service postmark both on the envelope or wrapper and on the original receipt from the U.S. or Canadian Postal Service. Both postmarks must show a legible date or the offer, modification, or withdrawal shall be processed as if mailed late. "Postmark" means a printed, stamped, or otherwise place impression (exclusive of a postage meter machine impression) that readily identifiable without further action as having been supplied and fixed by employees of the U.S. or Canadian Postal Service on the date of mailing. Therefore, offerors should request the postal clerk place a hand Cancellation bull's-eye postmark on both the receipt and the envelope or wrapper.

- (e) The only acceptable evidence to establish the time of receipt at the HA is the
- $(f)\;$  time/date stamp of HA on the offer wrapper or other documentary evidence of receipt maintained by the HA.

#### Form HUD-5369-B (8/9)

ref. Handbook 7460



(g) The only acceptable evidence to establish the date of mailing of a late offer, modification, or withdrawal sent by Express Mail Next Day Service- Post Office to Addressee is the date entered by the post office receiving clerk on the "Express Mail Next Day Service-Post Office to Addressee" label and the postmark on both the envelope or wrapper and on the original receipt from the U.S. Postal Service. "Postmark" has the same meaning as defined in paragraph (c) of this provision, excluding postmarks of the Canadian Postal Service. Therefore, offerors should request the postal clerk to place a legible hand cancellation bull's eye postmark on both the envelope or wrapper.

(h) Notwithstanding paragraph (a) of his provision, a late modification of an otherwise successful offer that makes its terms more favorable to the HA will be considered at any time it is received and may be accepted.

(i) If this Request for Proposal is a Request for Proposals, proposals may be withdrawn by written notice, or if authorized by this Request for Proposal, by telegram (including mailgram) or facsimile machine transmission received at any time before award. Proposals may be withdrawn in person by a offeror or its authorized representative if the identify of the person requesting withdrawal is established and the person signs a receipt for the offer before award. If this Request for Proposal is an invitation for bids, bids may be withdrawn at any time prior to bid opening.

#### 7. Contract Award

(a) The HA will award a contract resulting from this Request for Proposal to the responsible offeror whose offer conforming to the Request for Proposal will be most advantageous to the HA, cost or price and other factors, specified elsewhere in this Request for Proposal, considered.

- (b) The HA may
  - (1) Reject any or all offers if such action is in the HA's interest,
  - (2) accept other than the lowest offer,
  - (3) waive informalities and minor irregularities in offers received, and
  - $\left(4\right)~$  award more than one contract for all or part of the requirements stated.

(c) If this Request for Proposal is a Request for Proposals, the HA may award a contract on the basis of initial offers received, without discussions. Therefore, each initial offer should contain the offeror's best terms from a cost or price and technical standpoint.

#### Request for Proposal OPS 20-R-0003

#### Sun Plaza Tower Wellness Clinic

(d) A written award or acceptance of offer mailed or otherwise furnished to the successful offeror within the time for acceptance specified in the offer shall result in a binding contract without further action by either party. If this Request for Proposal is a Request for Proposals, before the offer's specified expiration time, the HA may accept an offer, whether or not there are negotiations after its receipt, unless a written, notice of withdrawal is received before award. Negotiations conducted after receipt of an offer do not constitute a rejection or counteroffer by the HA.

(e) Neither financial data submitted with an offer, nor representations concerning facilities or financing, will form a part of the resultingcontract.

#### 8. Service of Protest

Any protest against the award of a contract pursuant to this Request for Proposal shall be served on the HA by obtaining written and dated acknowledgement of receipt from the HA at the address shown on the cover of this Request for Proposal. The determination of the HA with regard to such protest or to proceed to award notwithstanding such protest shall be final unless appealed by the protestor.

#### 9. Offer Submission

Offers shall be submitted as follows and shall be enclosed in a sealed envelope and addressed to the office specified in the Request for Proposal. The proposal shall show the hour and date specified in the Request for Proposal for receipt, the Request for Proposal number, and the name and address of the offeror, on the face of the envelope.

It is very important that the offer be properly identified on the face of the envelope as set forth above in order to insure that the date and time of receipt is stamped on the face of the offer envelope. Receiving procedures are: date and time stamp those envelopes identified as proposals and deliver them immediately to the appropriate contracting official, and only date stamp those envelopes which do not contain identification of the contents and deliver them to the appropriate procuring activity only through the routine mail delivery procedure



## PART IV - REPRESENTATIONS AND

## **INSTRUCTIONS SECTION G**

## INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS

#### G-1 REQUEST FOR PROPOSAL PROVISIONS INCORPORATED BY REFERENCE

FAR NO.	PROVISION TITLE	DATE
52.215-1 52.216-1	Instructions to Offerors – Competitive Acquisition Type of Contract	OCT 1987 APR 1984
G-2 All proposals	must be mailed or delivered to: Affordable Housing Acquisition an Affiliate of The Housing Authority of the City of El Paso, Texas 5300 E. Paisano Dr. El Paso, Texas 79905	

# NOTE: It is the vendor's sole responsibility to see that his/her proposal is received at the proper place on time.

G-3 If any prospective vendor is in doubt as to the true meaning of any portion of the proposal documents or requires any additional information to prepare his/her proposal response, he/she shall contact, in writing, to the Contracts Division at the above referenced address no later than 7 days before the closing date of the Request for Proposal.

G-4 Proposals shall be dated with each page numbered and displaying the offeror's identification.

Signatures required shall be in longhand and by those authorized to execute an eventual contract.

G-5 No oral, telegraphic, or telephonic proposals or modifications will be considered.

G-6 The completed proposal shall answer all questions on a point-by-point basis in a concise manner,

avoiding ambiguous statements and shall be without interlineations, alterations, and erasures.

G-7 All deviations to the proposal Statement of Work or any items or features that cannot or should not be solicited must be specifically identified. If no such areas of controversy are identified, the proposal should so state and it shall be understood that all items, features and costs have been included.

G-8 If the offeror is unable to comply with a requirement but is uncertain to the specific nomenclature in any specification, it shall enter a reference number of any supporting documents, etc., describing or interpreting the requirement.

G-9 All statements made by the offeror must be capable of being included into a written contract.

G-10 All documentation submitted automatically becomes the property of the Housing Authority of the City of El Paso, Texas.

G-11 Expenses for proposal development are entirely the responsibility of the offeror and will not be chargeable in any manner to Affordable Housing Acquisition an Affiliate of the Housing Authority of the City of El Paso, Texas.

G-12 Affordable Housing Acquisition an Affiliate of The Housing Authority of the City of El Paso, Texas reserves the right to accept or reject any proposal, or any part of a proposal. Any resulting order will be awarded to that responsive, responsible offeror, whose proposal is most advantageous to the Housing Authority of the City of El Paso, Texas, all other factors considered.



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G-13 Offeror must submit proof of all insurance coverages and be prepared to provide additional proof of same should the Affordable Housing Acquisition an Affiliate of The Housing Authority of the City of El Paso, Texas so request.

#### G-14 PROTEST TO THE AGENCY

- (a) When a protest is filed with the agency, an award shall not be made until the matter is resolved unless the Director of Contracting or other designated official first determines that one of the following applies:
  - (1) The supplies or services to be contracted for are urgently required.
  - (2) Delivery or performance will be unduly delayed by failure to make award promptly.
  - (3) A prompt award will otherwise be advantageous to Affordable Housing Acquisition an Affiliate of the Housing Authority of the City of El Paso, Texas.

#### G-15 AWARD

Affordable Housing Acquisition an Affiliate of The Housing Authority of the City of El Paso, Texas, at its discretion, may award multiple contracts for this requirement.

#### G-16 INCURRING COSTS

(a) Costs shall not be incurred by receipts of the Request for Proposal document in the anticipation of receiving direct reimbursement from the Affordable Housing Acquisition an Affiliate of The Housing Authority of the City of El Paso, Texas without the written authorization of the proper authority.

Affordable Housing Acquisition an Affiliate of The Housing Authority of the City of El Paso, Texas assumes no liability for and shall not be obligated to the Contractor for payment for the Contractor's costs incurred prior to award.

#### G-17 (9505) ORGANIZATIONAL CONFLICTS OF INTEREST

The Contracting Officer shall award the contract to the apparent successful offeror unless a conflict of interest is determined to exist that cannot be avoided or mitigated.



# SECTION H

# **EVALUATION FACTORS FOR AWARD**



# CONTRACT AWARD

Only written proposals will be considered. HACEP reserves the right to reject any proposals without further discussion or negotiations, and may waive technical errors or discrepancies if it serves the public interest. This Request for Proposal is not to be considered a contract of any kind.

It is mandatory that interested Contractor/Contractors do a inspect and review scope of work required for this REQUEST FOR PROPOSAL. Mandatory visit is to take place on February 4, 2020 between 9:00AM to 11:00AM MST at the Sun Plaza Tower Apartments located at 600 Sun Plaza Tower, El Paso, TX 79903.

Written proposals will be reviewed, with emphasis on capacity and services proposed. Negotiations (interviews) may be conducted with all offerors in the acceptable range, at the discretion of the Affordable Housing Acquisition an Affiliate of The Housing Authority of the City of El Paso, Texas. All offerors in the competitive range will be asked to submit their Best and Final Offer. Thereafter, a recommendation for award of contract will be made to the Board of Commissioners. Upon approval by the HACEP Board of Commissioners, a contract will be awarded. HACEP reserves the right to exclude identified services from the contract and to award more than one contract.

After demonstrating full compliance with federal regulations at 24 CFR Part 85, Administrative Requirements (Federal Procurement, Competitive Negotiation Standards) and with all required approvals, HACEP will prepare a final contract document for execution and approval by the Contracting Officer and the contracting party.

No contract will be awarded for proposals that do not meet the satisfaction of the Board of Commissioners. Any contract awarded as a result of this Request for Proposals will be made only for the term outlined in the REQUEST FOR PROPOSAL. HACEP reserves the right to cancel unilaterally any contract derived from this Request for Proposals for failure to perform services satisfactorily. Any contract for the stated services or products herein is not an exclusive contract. HACEP reserves the right to assign other service providers to such matters as it deems necessary.



# **AFFIRMATIVE ACTION**

HACEP is an equal opportunity employer and requires all of its contractors to comply with policies and regulations concerning equal employment opportunity. Proposals should refer to affirmative action guidelines published by the Department of Housing and Urban Development regarding minority, women-owned, handicapped, and small business enterprises. In addition, HACEP requests information regarding the ethnicity of each partner, shareholder, and personnel employed by the company.



Sun Plaza Tower Wellness Clinic

# **TECHNICAL EVALUATION**

# WORK SHEET

Name:		
Reviewer:		
Date:		

**INSTRUCTIONS:** Evaluation of technical proposals will be based upon an analysis of the Offeror's proposal in relation to the criteria contained in the request for proposal. This evaluation sheet is keyed to those criteria. Reviewers should record their evaluation of each proposal in terms of its strengths and weaknesses, the degree to which the proposal possesses or lacks the attributes set forth in the specific factors for award Points scores are to be assigned to each evaluation factor as indicated below. Reviewer's comments should be provided on this form. Additional sheets may be attached as necessary.

**OVERALL SCORE:** Evaluation sheets are provided for assistance in evaluated factors and weights contained in the **RFP**. Predetermined cut-off scores designed for determining overall rating shall not be employed.

#### **COMPOSITE SCORE:**

<u>STRENGTHS/WEAKNESSES</u>: (Evaluators should comment here on strengths/weakness of the technical proposal. Comments may be used to formulate Affordable Housing Acquisition an Affiliate of The Housing Authority of the City of El Paso, Texas position if continued negotiations are required).

#### Acceptable:

("This means that based upon the proposal as submitted, the PHA could contract with the offeror and expect that the work would be completed. The proposal is not perfect, but it contains no significant weaknesses")

## Potentially Acceptable: \_\_\_\_\_

("This means that the technical part of the proposal contains weaknesses that keep it from being acceptable, but with relatively minor changes or additional information from the offeror, it might be made acceptable. Once additional information is obtained via initial negotiations, this type of proposal must become either acceptable or unacceptable")

## Unacceptable: \_\_\_\_\_

("This means that the proposal is seriously flawed to the point that no amount of negotiation would lead to improve it, or the offer would have to be substantially rewritten to be found acceptable. Either the offeror simply did not understand the PHA's requirement or did not elect to prepare a sufficient proposal. Technically unacceptable proposals should never be included in a competitive range")



# EVALUATION CRITERIA FACTORS FOR AWARD

### SUN PLAZA TOWER WELLNESS CLINIC

### OPS 20-R-0003

Any award to be made pursuant to this RFP will be based upon the proposal that would provide the best value to HACEP, with appropriate consideration given to operational, technical, cost, and management requirements. Evaluation of offers will be based upon the Vendor's responsiveness to the RFP and the total price quoted for all items covered by the RFP.

The following elements will be the primary considerations in evaluating all submitted proposals and in the selection of Vendors:

<ol> <li>Experience – Years in Operation (minimum 5 years)</li> </ol>	10
2. Work Plan (Schedule) acknowledging the 120 calendar days	
completion time (TO BE SUBMITTED WITH PROPOSAL)	20
3. Qualifications and Experience of Proposed Staff	05
4. Demonstrated Understanding of the Requirement	20
6. Price/Cost	40
7. References (3 min.) and Section 3 documents	05

HACEP may, at its discretion and without explanation to the prospective Vendors, at any time choose to discontinue this RFP without obligation to such prospective Vendors.

Signature \_\_\_\_\_

Date \_\_\_\_\_



# **SECTION I**

# TRAVEL REIMBURSEMENT GUIDELINES



Sun Plaza Tower Wellness Clinic

# Effective July 1, 2014, Affordable Housing Acquisition an Affiliate of The Housing Authority of the City of El Paso (HACEP) implemented the following guidelines applicable to all contractor business travel.

HACEP will reimburse based on the **GSA Per Diem Rates <u>www.gsa.gov/perdiem</u>** for the City of El Paso, TX:

- Lodging
- Meals and Incidentals Expenses

The following categories define HACEP expectations for Contractor travel and meal expenses. Proper documentation must be submitted with the Contractor invoice before HACEP will consider reimbursement of travel or meal expenses. Such documentation must include detailed receipts for all requested amounts and the valid business reason for the expense. In addition, where HACEP management approval is required prior to reimbursement, Contractor must submit a memo detailing management's approval or the signature of the appropriate HACEP management representative on the detailed receipt. HACEP reserves the right to request additional information when assessing payment and may refuse or limit payment based on the documentation, or lack thereof, provided.

- Airfare Airfare is reimbursed at commercial Coach Class using lowest logical airfare and advance purchase options. Airfare should be booked as soon as practical to obtain best pricing options. HACEP allows non-stop service to be considered as lowest logical airfare. HACEP will not reimburse unused tickets, airport ticket class changes, or seat location upgrades. Use of non-commercial air service is expressly prohibited.
- **Tolls and Parking** Parking will be reimbursed at actual cost for business trip expense. Commuter tolls and parking within city metropolitan area where work is performed is not reimbursable.
- **Transportation Services** While scheduled transportation service using airport shuttles is permitted with proper receipts, private limousine or luxury shuttle service is **not reimbursable**. Taxi service is allowed in lieu of auto rental, however receipts must be provided.
- **Personal Vehicle** Use of a personal vehicle in lieu of public transportation or a rental car is permitted when pre-approved by HACEP management. Mileage must be tracked on a daily trip log and reimbursement will be calculated at IRS standard mileage rates. Reported mileage must exclude normal commute mileage in accordance with IRS commute definitions. No personal vehicle expense, including gasoline or car repairs, is allowed for reimbursement.
- Entertainment Casual entertainment including alcoholic beverages is *not reimbursable*. HACEP management must pre-authorize any scheduled group events and such events must be limited to specific milestone or project recognition events. HACEP will not reimburse Contractor for entertaining HACEP employees without prior HACEP management approval.

Sincerely,

Satish Bhaskar

HACEP Chief Financial Officer

I certify that I have Read and acknowledge HACEP's Travel/expense Guidelines.

Name and title: \_\_\_\_\_

date: \_\_\_\_\_



# SECTION I VENDOR INFORMATION FORM

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Sun Plaza Tower Wellness Clinic

# **Vendor Information Form**

Firm Name	
Firm Address (full address):	
Firm Telephone Number:	
Firm Fax Number	
Firm Year Established:	
Types of services provided by the	
Firm	
E-d-w-1 TAV ID #	
Federal TAX ID #	

Management person responsible for direct contact with the HACEP and services required for this Request for Proposal:

Name:	
Title:	
Telephone Number:	
Fax:	
Email:	

Person responsible for day-to-day servicing of the account:

Name:	
Title:	
Telephone Number:	
Fax:	
Email:	



# Attachment A SAMPLE FORM OF CONTRACT

### CONTRACT BETWEEN HOUSING AUTHORITY OF THE CITY OF EL PASO AND

### 

#### INTRODUCTION

This Contract (the "Contract") by and between **Housing Authority of the City of El Paso**, a non-profit state governmental entity (hereinafter "HACEP") and <u>XXXXXXX</u> (hereinafter "the Contractor") is hereby entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2020 (the "Effective Date").

#### **1.0 Definitions**

- **1.1 Procurement Administration ("HACEP PROCUREMENT MANAGER").** HACEP Procurement Manager.
- **1.2 Request for Proposals ("RFP").** A competitive solicitation process conducted by HACEP wherein an award is generally made to the top-rated responsive and responsible bidder.
- **1.3 Days**. All references to "days" shall be calendar days; in the case that the last day referenced falls on a Saturday, Sunday or legal holiday, then the period of time shall be automatically extended to include the next work day.
- **1.4 Project.** All references to the "Project" shall mean the <u>XXXXXXXXXXX</u>.
- **1.5 Appendices.** The following documents are included in the Contract as individually noted exhibits and shall be incorporated herein and made a part of this Contract by reference as if fully set forth herein:
- **1.5.1** Appendix A: form HUD- 5370 (08/2016), <u>HUD General Conditions of</u> the Contract for Construction, Public Housing Programs and any amendments thereto;
- **1.6** The following, each of which was either issued by HACEP as a part of the competitive solicitation and/or which was completed and returned by the Contractor in response to the solicitation (copies are not included under any of the appendices but are included herein by reference and are included within the solicitation file):
- **1.6.1** Current Insurance Certificate/Endorsement (naming HACEP or affiliate as "additional insured");
- **1.6.2** Supplementary Instructions to Offerors;
- **1.6.3** U.S. Department of Housing and Urban Development Certification of Offeror Regarding Equal Opportunity Instructions;
- **1.6.4** Section 3 Specifications Clause

- **1.6.5** Non-Collusive Affidavit Prime Offeror
- **1.6.6** HUD Act of 1968, Section 3
- **1.6.7** Texas Statutory Performance Bond
- 1.6.8 Payment Bond;
- **1.6.9** Subcontractor Identification
- 1.6.10 Davis Bacon Wage Determination
- 1.6.11 Contractor's and Subcontractor's Non-Conclusive Affidavits;
- 1.6.12 Scope of Work included as part of RFP Package OPS 20-R-0002;

**1.7 Term of Contract**. Services pursuant to this Contract (the "Services") shall begin upon Contractor's receipt of the written Notice to Proceed by HACEP. Notwithstanding the continuation of any warranties contained herein, this Contract shall terminate upon Final Completion.

### **1.8 Services and Payment**

**1.9 Scope of Services.** The Contractor shall furnish all labor, material, equipment and services, and perform and complete all work required for the **XXXXXXXXXX** located at the following location: (see attachment A) in accordance with this Agreement and RFP No. **OPS 20-R-0002** prepared by HACEP and any duly executed Addenda to this Agreement. Said labor, materials, equipment and services shall be provided on the dates and times determined by HACEP at the above-stated HACEP communities and/or facilities. In addition, HACEP shall retain the right to implement and/or enforce any item issued as a part of RFP No. XXXXXXXX.

### 1.7 Cost/Value of Services

- **1.7.1 Labor Costs.** The Contractor shall not pay wages that are less than the highest wage required by either of the following:
  - **1.7.1.1** The wage determination rates listed in RFP No. **XXXXXXXXX**

## 1.7.2 Contract Value.

**1.7.3** HACEP shall pay the Contractor for the performance of the Contract, in current funds, subject to additions and deductions as provided in the Technical Specifications, not-to-exceed ("NTE") the sum of:

### \$XXXXXXXX

Contractor exceeds the above-stated NTE amount at its own risk.

- **1.7.4 Time for Performance.** The Contractor hereby agrees to commence work under this Contract upon receipt of a written Notice to Proceed ("NTP"), submitted by HACEP. The Contractor shall complete the project within <u>Thirty (30) and not to exceed Thirty (30)</u> calendar days.
  - **1.7.4.1 Commencement of Work.** Contractor shall not commence work under this contract until all necessary permits and approvals, including modification thereof, that are preconditions to commencement of construction of the Project have been issued.
  - **1.7.4.2 Delays/Time Extensions.** Time extensions for performance may be granted by HACEP Procurement Manager and HACEP Chief Executive Officer. Any time extension shall be granted by written modification to this Contract.
  - 1.7.4.3 Final Completion. The Contractor shall notify HACEP Procurement Manager, in writing, as to the date when in its opinion the work is substantially complete and ready for inspection. Upon receipt of such notification, HACEP shall conduct an inspection of the work within ten (10) days. HACEP shall promptly advise the Contractor, in writing, of any remaining final punch list items following such inspection. The Contractor shall notify HACEP in writing when all punch list items have been completed and all clean-up has been done. HACEP will then conduct a final inspection within ten (10) days of receipt of such notification. Performance shall be considered complete upon the Contractor's receipt from HACEP's receipt from the Contractor of the following:
    - **1.7.4.3.1.1** the total amount due the Contractor and a separately stated amount for each unsettled claim against HACEP;
    - **1.7.4.3.1.2** documentation noting that HACEP is released of all claims, other than those stated in the Contractor's release;
    - **1.7.4.3.1.3** wages paid to laborers were paid as required herein; and
    - **1.7.4.3.1.4** all guaranties and warranties contained herein are assigned to HACEP.
- **1.7.5 Liquidated Damages**. Pursuant to Section 33 of Appendix A, the Contractor agrees to pay to HACEP, the sum of **\$200.00** per day/building as fixed, agreed, liquidated damages for each consecutive calendar day

beyond the time for performance provided in this Contract is not terminated pursuant to Section 32 until Final Completion is achieved.

**1.7.6** Non-Escalation. Unless otherwise specified within the RFP documents, the unit prices reflected in this Contract shall remain firm with no provision for price increases during the term of the Contract.

### **1.8 Billing Procedure**

- **1.8** To receive payment for Services rendered pursuant to this Contract, the Contractor shall:
- **1.8.1** Comply with Section 27 of Appendix A.
- **1.8.2** Submit all certified payroll reports up to the date of the work being billed.
- **1.8.3** Progress payments must be approved by HACEP Procurement Manager and HACEP Chief Executive Office.
- **1.8.4** Progress payment requests shall be delivered to the attention of:

HACEP Attn: Accounts Payable 5300 E. Paisano Drive El Paso, TX 79905-2931

- **1.8.5** The HACEP will pay each properly completed invoice received on a Net/30 basis. Any invoice received that is not properly completed will not be paid unless and/or until the Contractor complies with the applicable provisions of this contract.
- **1.8.6** Final payment will be made by HACEP upon receipt of the Contractor's all required payroll reports have been received and any wage discrepancies have been resolved by the Contractor.
- 2.0 Term of Contract. Servicers pursuant to this Contract (the "Services") shall begin upon Contractor's receipt of the written Notice to Proceed by HACEP, pursuant to Section 5 of Appendix A. Notwithstanding the continuation of any warranties contained herein, this Contract shall terminate pursuant to Section 32 or 34 of Appendix A, or upon Final Completion (as described in Section 27(i))
- **3.0** Contractor's Obligations. Pursuant to this Contract, the Contractor agrees to provide the specific construction obligations detailed in the Scope of Work issued by HACEP included in RFP No. XXXXXXXXX and herein.
  - **3.1** The Contractor agrees not to accept or perform any assigned work initiated by a contract amendment or change order without the prior written approval of HACEP Procurement Manager and HACEP Chief Executive Officer.

- **3.1.1 Change Order Requests:** The Contractor acknowledges, by signature below, that change order requests will not be summarily approved. All change order requests must be submitted to HACEP for approval, prior to undertaking the additional work.
- **3.1.2 Minimum Rates of Pay.** The Contractor shall pay not less than the wages required under the wage determination rates included in RFP No. **XXXXXXXX** and any amendments thereto.
- **3.2** Supervision and Oversight. The Contractor shall be solely responsible for providing supervision and oversight to all of the Contractor's personnel and any subcontractors that are assigned to HACEP work pursuant to this Contract.
- **3.3** Qualified Personnel. The Contractor warrants and represents that it will assign only qualified personnel to perform the Services. For the purposes of this Contract, the term "qualified personnel" shall mean those personnel that are experienced and/or trained in the manner generally accepted within the Contractor's Industry.
- **3.4** Compliance with Federal and State Laws. All work performed by the Contractor, pursuant to this Contract, shall be done in accordance with all applicable federal, state and local laws, regulations, codes and ordinances.
- **3.5** Licensing. The Contractor shall provide HACEP with copies of any required current City, State and/or Federal licenses. Failure to maintain these licenses in a current status during the term(s) of this Contract shall constitute a material breach thereof.
- **3.6 Permits.** Unless otherwise stated in the Contract documents, all local, state or federal permits, environmental permits, and licenses which may be required to provide the Services ensuing from award of this Contract, whether or not known to either HACEP or the Contractor at the time of the Contract execution, shall be the sole responsibility of the Contractor including any and all costs therefore.
- **3.7 Government Standards.** It is the responsibility of the Contractor to ensure that all items and services proposed conform to all local, state and federal law concerning safety (e.g., OSHA and NOSHA) and environmental control (e.g., EPA and City of El Paso Health and Safety Code, and any other enacted ordinance, code, law or regulation. The Contractor shall be responsible for all costs incurred for compliance with any such possible ordinance, code, law or regulation. No time extensions shall be granted or financial consideration given to the Contractor for time or monies lost due to violations of any such ordinance, code, law or regulations that may occur.
- **3.8 Work on HACEP Property.** If the Contractor's work under the Contract involves operations by the Contractor on HACEP premises, the Contractor

shall take all necessary precautions to prevent the occurrence of any injury to persons or property during the progress of such work.

- **3.9** Subcontractors. Unless otherwise stated within the RFP bid documents, the Contractor may not use any subcontractors to accomplish any portion of the Services required by this Contract without the prior written permission of HACEP Procurement Manager.
- **3.10** Salaries and Expenses Relating to the Contractor's Employees. Unless otherwise stated within the RFP documents, the Contractor shall pay all salaries and expenses of, and all federal Social Security taxes, federal and state unemployment taxes, and any similar taxes relating to its employees used in the performance of the Contract. The Contractor further agrees to comply with all federal, state and local wage and hour laws and all licensing laws applicable to its employees or other personnel furnished under this Contract.
- **3.11 Communication.** If during the period of the Contract, it is necessary that HACEP place toll or long distance telephone calls or facsimiles in connection with the Contractor's performance of the Contract (for complaints, adjustments, shortages, failure to deliver, etc.), it is understood that the Contractor may, at the discretion of HACEP, bear the charge or expense for all such calls and/or facsimiles.
- **3.12** Access to Records. Both parties hereby agree that the Contractor will make available to HACEP, HUD, the Comptroller General of the United States, or any of their duly authorized representatives (including retained auditors), any books, documents, papers, and records of the Contractor which are directly pertinent to this Contract for the purpose of making audit, examination, excerpts and transcriptions.
- **3.13 Record Retention.** The Contractor shall retain all such records pertaining to this Contract for a period of not less than three (3) years after final payment or the completion of any Services provided pursuant to this Contract, whichever occurs later.

### 3.14 Backorders

- **3.14.1** The Contractor must notify
- **3.14.2** HACEP Procurement Manager within ten (10) days of the following:
  - **3.14.2.1** Any and all backordered materials;
  - 3.14.2.2 Any delay in the Contractor's performance; and
  - **3.14.2.3** The estimated date for delivery or performance.
- **3.15 Inspections.** The Contractor shall permit HACEP to conduct periodic inspections of the work. Any deficiencies noted by HACEP during

inspections shall be disclosed to the Contractor in writing within Five (5) days of discovery, and the Contractor shall remedy such deficiency within Five (5) calendar days of notification of such from HACEP or as otherwise agreed to in writing by both parties.

### 4.0 Insurance Requirements

- **4.1** The Contractor shall maintain insurance coverage during the effective term(s) of this Contract No. **XXXXXXXXXX**.
- **4.2** The Contractor shall provide HACEP with current certificate(s)/endorsement(s) evidencing the insurance coverage referenced above. Failure to maintain the above-referenced insurance coverage, including naming HACEP as an additional insured (where appropriate) during the term(s) of this Contract shall constitute a material breach thereof.
- **4.3** Insurance certificate(s)/endorsement(s) shall be delivered to:

Juan Pulido Procurement Manager c/o Housing Authority of the City of El Paso, Texas 5300 E. Paisano Drive El Paso, TX 79905-2931

### 5.0 Indemnification

- **5.1** The Contractor shall protect, indemnify and hold HACEP or subsidiaries, its officers, employees, and agents harmless from and defend against any and all claims, damages, losses, suits, actions, decrees, judgments, attorney's fees, court costs and other expenses of any kind or character which HACEP, its officers, employees, agents, consulting engineers or other retained consultants may suffer, or which may be sought against, recovered from or obtainable against HACEP, its officers, employees, and agents, based upon the Contractor's actions or failure to act during the performance of the Contractor, regardless of when such claims shall arise. The Contractor's duty to indemnify HACEP shall apply regardless of whether or not the event which gave rise to such a claim was caused, in part, by HACEP.
- **5.2** Any money due by the Contractor under and by virtue of this Contract which is considered necessary by HACEP for such purpose, may be retained by HACEP for its protection; or in case no money is due, its surety may be held until all such claims, damages, losses, suits, actions, decrees, judgments, attorney's fees and court costs and other expenses of any kind or character as aforesaid shall have been settled and suitable evidence to that effect furnished to HACEP provided, however, that money due the Contractor will not be withheld when the Contractor produces satisfactory

evidence that it is adequately protected by applicable public liability and property damage insurance;

- **5.3** The Contractor shall, at its own expense, defend HACEP, its officers, employees, and agents, against any and all claims, suits or actions which may be brought against them, or any of them, as a result of, or by reason of, or arising out of, or on account of, or in consequence of any act or failure to act the consequences of which the Contractor has indemnified HACEP, its officers, employees, and agents against. If the Contractor fails to do so, HACEP shall have the right, but not the obligation, to defend the same and to charge all direct and incidental costs of such defense to the Contractor including attorney's fees and court costs.
- **5.4** The Contractor guarantees the payment of all claims for materials, supplies and labor, and all other claims against it or any subcontractor, in connection with the Contract.
- **5.5** The Contractor shall provide that any authorized contractual arrangement with a subcontractor shall be in conformance with the terms of this Contract including the indemnity provisions of this Section 8.

## 6.0 Financial Viability and Regulatory Compliance

- 6.1 The Contractor warrants and represents that its corporate entity is in good standing with all applicable federal, state and local licensing authorities and that it possesses all requisite licenses to perform the Services required by this Contract. The Contractor further warrants and represents that it owes no outstanding federal, state or local taxes or business assessments.
- **6.2** Contractor agrees to promptly disclose to HACEP any IRS liens or insurance or licensure suspension or revocation that may adversely affect its capacity to perform the Services required by this Contract. The failure by the Contractor to disclose such issue to HACEP in writing within five (5) days of Contractor's receipt of such notification will constitute a material breach of this Contract.
- **6.3** Pursuant to Section 231.006, Texas Family Code, Contractor warrants and represents that it is not ineligible to receive the award of or payments under this Agreement and acknowledges that this Agreement may be terminated and payment may be withheld if this certification is inaccurate.
- **6.4** Pursuant to Section 2155.004, Texas Government Code, Contractor warrants and represents that the individual or business entity named in this Agreement is not ineligible to receive the award of or payments under this Agreement and acknowledges that this Agreement may be terminated and payment withheld if this certification is inaccurate.

- 6.5 A corporate or limited liability company Contractor warrants and represents that it is not currently delinquent in the payment of any Franchise Taxes due under Chapter 171 of the Texas Tax Code.
- **6.6** The Contractor further agrees to promptly disclose to HACEP any change of its ownership and/or any declaration of bankruptcy that the Contractor may undergo during the term(s) of this Contract. The failure of the Contractor to disclose any change of its ownership and/or its declaration of bankruptcy within five (5) days of said actions shall constitute a material breach of this Contract.

### 7.0 Disputes

- **8.0 Breach.** Pursuant to 24 CFR Part 85.36(i.1), as issued by the Office of the Secretary, HUD, HACEP and the Contractor each agree to comply with the following provisions:
  - **8.1 Termination For Cause and Convenience.** HACEP may terminate this Contract for cause. HACEP may also terminate this Contract for convenience. Any termination notice shall state the following:
  - **8.1.1** whether the Contract is being terminated for convenience or cause;
  - **8.1.2** whether the Contract is terminated in whole or in part;
  - **8.1.3** if terminated for cause, the acts or omissions constituting the material breach, HACEP Procurement Manager's determination that failure to perform is not excusable, HACEP's right to charge excess costs of reprocurement to the Contractor, and the Contractor's appeal rights;
  - **8.1.4** effective date of termination;
  - **8.1.5** if applicable, the Contractor's right to proceed under the non-terminated portion of the Contract; and
  - **8.1.6** any special instructions.
  - **8.2** Prior to termination, HACEP may choose, it its sole discretion, to warn the Contractor, verbally or in writing, of any issue of non-compliant or unsatisfactory performance. Such warning may include placing the Contractor on probation, thereby giving the Contractor a certain period of time to correct the deficiencies or potentially suffer termination. HACEP shall maintain in the Contract file a written record of any such warning detailing all pertinent information. If the Contractor does not agree with such action, the Contractor shall have ten (10) days from receipt of such verbal or written warning to dispute or protest such action in writing; if it does not do so within the 10-day period, it shall have no recourse but to accept HACEP's position on the issue. The written protest must detail all pertinent information pertaining to the dispute, including any justification detailing HACEP's alleged incorrect action(s).

- **8.3** After termination, if the Contractor does not agree with HACEP's justification for the termination, the Contractor shall have ten (10) days from the date of termination to dispute such action in writing.
- **8.4** Any protest or dispute submitted by the Contractor under this Section shall thereafter be conducted in accordance with Section 9.1 herein.
- **8.5** All rights and remedies granted to HACEP herein and any other rights and remedies which HACEP may have at law and in equity are hereby declared to be cumulative and not exclusive. The fact that HACEP may have exercised any remedy without terminating this Contract shall not impair HACEP's rights thereafter to terminate or to exercise any other remedy herein granted, or to which HACEP may be otherwise entitled.
- **9.0** Applicable Federal Law. Pursuant to 24 CFR Part 85.36 (i), as issued by the Office of the Secretary, HUD, HACEP and the Contractor each agree to comply with the following provisions:
  - **9.1 Executive Order 11246.** For all construction contracts awarded in excess of \$10,000, both parties hereby agree to comply with "Executive Order 11246 of September 24, 1965, entitled "Equal Employment Opportunity," as amended by Executive Order 11375 of October 13, 1967, and as supplemented in Department of Labor Regulations (41 CFR Chapter 60).
  - **9.2** Copeland "Anti-Kickback" Act. For all construction or repair contracts awarded, both parties hereby agree to comply with the Copeland "Anti-Kickback" Act (18 U.S.C. 874) as supplemented in Department of Labor Regulations (29 CFR Part 3).
  - **9.3 Davis-Bacon Act.** For all construction contracts awarded in excess of \$2,000 when required by Federal Grant Program legislation, both parties hereby agree to comply with the Davis-Bacon Act (40 U.S.C. 276a to 276a-7) as supplemented in Department of Labor Regulations (29 CFR Part 5).
  - **9.4** Sections 103 and 107 of the Contract Work Hours and Safety Standards Act. For all construction contracts awarded in excess of \$2,000 and for other contracts, which involve the employment of mechanics or laborers awarded in excess of \$2,500, both parties hereby agree to comply with the Sections 103 and 107 of the Contract Work Hours and Safety Act (40 U.S.C. 327-330) as supplemented in Department of Labor Regulations (29 CFR Part 5).
  - **9.5** Clean Air Act. For all contracts in excess of \$100,000, both parties hereby agree to comply with all applicable standards, orders or requirements issued under Section 306 of the Clean Air Act (42 U.S.C. 1857(h), Section 508 of the Clean Water Act (33 U.S.C. 1368), Executive Order 11738, and Environmental Protection Agency regulations (40 CFR Part 15).
  - **9.6** Energy Policy and Conservation Act. Both parties hereby agree to comply with all mandatory standards and policies relating to energy efficiency,

which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (Pub. L. 94-163, 89 Stat. 871).

- **9.7** Additional Federally Required Orders/Directives. Both parties agree that they will comply with the following laws and directives, where applicable:
- **9.7.1** Executive Order 11061, as amended, which directs the Secretary of HUD to take all action which is necessary and appropriate to prevent discrimination by agencies that utilize federal funds.
- **9.7.2** Public Law 88-352, Title VI of the Civil Rights Act of 1964, which provides that no person in the United States shall, on the basis of race, color, national origin or sex, be excluded from participation in, denied the benefits of, or subjected to discrimination under any program or activity which receives federal financial assistance. HACEP hereby extends this requirement to the Contractor and its private contractors. Specific prohibited discriminatory actions and corrective action are described in Chapter 2, Subtitle C, Title V of the Anti-Drug Abuse Act of 1988 (42 U.S.C. 19901 et. seq.).
- **9.7.3** Public Law 90-284, Title VIII of the Civil Rights Act of 1968, popularly known as the Fair Housing Act, which provides for fair housing throughout the United States and prohibits any person from discriminating in the sale or rental of housing, the financing of housing or the provision of brokerage services, including in any way making unavailable or denying a dwelling to any person because of race, color, religion, sex or national origin. Pursuant to this statute, HACEP requires that the Contractor administer all programs and activities, which are related to housing and community development in such a manner as to affirmatively further fair housing.
- **9.7.4** The Age Discrimination Act of 1975, which prohibits discrimination on the basis of age.
- **9.7.5** Anti-Drug Abuse Act of 1988 (42 U.S.C. 11901 et. seq.).
- **9.7.6** HUD Information Bulletin 909-23 which is the following:
  - **9.7.6.1** Notice of Assistance Regarding Patent and Copyright Infringement;
  - 9.7.6.2 Clean Air and Water Certification; and
  - 9.7.6.3 Energy Policy and Conservation Act.
- **9.7.7** That the funds that are provided by HACEP and HUD hereunder shall not be used, directly or indirectly, to employ, award a Contract to, or otherwise engage the services of any debarred, suspended or ineligible Contractor.

- **9.7.8** That none of the personnel who are employed in the administration of the work required by this Contract shall, in any way or to any extent, be engaged in the conduct of political activities in violation of Title V, Chapter IS, of the United States Code.
- **9.7.9** That neither party has colluded, conspired, connived or agreed, directly or indirectly, with any bidder or person, to put in a sham bid or to refrain from bidding, and has not in any manner, directly or indirectly, sought by agreement or collusion, or communication or conference, with any person, to fix the bid price of affiant or of any other bidder, to fix overhead, profit or cost element of said bid price, or that of any other bidder, or to secure any advantage against either party or any person interested in the proposed Contract; and that all statements in said proposal or bid are true.
- **9.8 Rights in Data and Patent Rights (Ownership and Proprietary Interest).** HACEP shall have exclusive ownership of, all proprietary interest in, and the right to full and exclusive possession of all information, materials, and documents discovered or produced by Contractor pursuant to the terms of this Contract, including but not limited to reports, memoranda or letters concerning the research and reporting tasks of this Contract.
- **10.0 Lobbying Certification.** By execution of this Contract with HACEP the Contractor thereby certifies, to the best of his or her knowledge and belief, that:
  - **10.1** No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal loan, the entering into of any cooperative agreement, or modification of any federal contract, grant, loan, or cooperative agreement.
  - 10.2 If any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this federal contract, grant, loan, or cooperative agreement, the Contractor shall complete and submit Standard Form LLL, Disclosure Form to Report Lobbying, in an accordance with its instructions.
    - **10.3** The Contractor shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

### **11.0 Miscellaneous Provisions**

**11.1** Notices, Invoices and Reports. Except as otherwise provided in this Contract, all notices, reports, records or other communications that are required or permitted to be given to the parties under this Contract shall be sufficient in all respects if given in writing and delivered in person, by email, facsimile, by overnight courier or by registered or certified mail, postage prepaid, return receipt requested, to the receiving party at the following address:

If to HACEP:	Gerald Cichon, Chief Executive Officer
	НАСЕР
	5300 East Paisano Drive
	El Paso, TX 79905-2931
	Facsimile: 915-849-3868
If to Contractor:	XXXXXXXX
	XXXXXXXX
	XXXXXXXXX
	XXXXXXXX
	XXXXXXXX

or such other address as such party may have given to the other parties by notice pursuant to this Section. Notice shall be deemed given on (i) the date such notice is personally delivered, (ii) three (3) days after the mailing if sent by certified or registered mail, (iii) one (1) business day after the date of delivery to the overnight courier if sent by overnight courier, or (iv) the next succeeding business day after transmission by facsimile, provided that any fax delivery is followed up with another method of notice listed in this Section within one (1) business day of sending the facsimile.

- **11.2 Taxes.** All persons doing business with HACEP are hereby made aware that HACEP is exempt from paying Texas State Sales and Use Taxes and Federal Excise Taxes. A letter of Tax Exemption will be provided upon request.
- **11.3** Officials, Agents and Employees of HACEP Not Personally Liable. It is agreed by and between the parties hereto that in no event shall any official, officer, employee, or agent of HACEP in any way be personally liable or responsible for any covenant or agreement herein contained whether expressed or implied, nor for any statement, representation or warranty made herein or in any connection with this Contract.
- **11.4 Assignment.** The Contractor shall not assign or transfer any interest in this Contract.

- **11.5** Entire Agreement; Amendment. This Contract (including all Appendices attached hereto or other documents included by reference herein) constitutes the entire contract between the parties hereto and may not be modified except by an instrument in writing signed by the party to be charged. This Contract may be amended, supplemented or modified only by a written instrument duly executed by or on behalf of each party hereto.
- **11.6 Governing Law; Venue.** The laws of the State of Texas shall govern the validity, construction and effect of this Contract, unless such laws are superseded by, or in conflict with applicable federal laws and/or federal regulations. Each party irrevocably submits to the exclusive jurisdiction of any federal or state court located in El Paso County, Texas in any action, suit or proceeding arising out of or relating to this Contract, and agrees that any such action, suit or proceeding shall be brought only in such court.
- **11.7 Attorney's Fees.** In the event that litigation is commenced by one party hereto against the other in connection with the enforcement of any provision of this Contract, the prevailing party shall be paid by the losing party all court costs and other expenses of such litigation, including reasonable attorneys' fees. The amount so allowed as attorneys' fees shall be taxed to the losing party as costs of the suit, unless prohibited by law.
- **11.8** Severability. If any provision of this Contract or any portion or provision hereof applicable to any particular situation or circumstance is held invalid, the remainder of this Contract or the remainder of such provision (as the case may be), and the application thereof to other situations or circumstances shall not be affected thereby.
- **11.9** Waiver of Breach. A waiver of either party of any terms or conditions of this Contract in any instance shall not be deemed or construed as a waiver of such term or condition for the future, or of any subsequent breach thereof. All remedies, rights, undertakings, obligations, and agreements contained in this Contract shall be cumulative and none of them shall limit any other remedy, right, obligation or agreement of either party.
- **11.10 Time of the Essence.** Time is of the essence for performance of this Contract.
- **11.11** Payment and Performance Bonds. If the Contract Value as provided in Section 3.2.2 exceeds \$100,000, the Contractor shall furnish bonds covering faithful performance of the Contract and payment obligations arising thereunder. Bonds may be obtained through the Contractor's usual source and the cost thereof shall be included in the Contract Value. The amount of each bond shall be equal to one hundred percent (100%) of the Contract Value. In addition:
- 11.11.1The bond must be approved and reviewed by HACEP Procurement Manager;

- 11.11.2The bond must name HACEP as obligee;
- **11.11.3**The Contractor shall deliver the required bonds to HACEP before the commencement of any work pursuant to this Contract.
- **11.12 Limitation of Liability.** In no event shall HACEP be liable to the Contractor for any indirect, incidental, consequential or exemplary damages.
- **13.13 Davis Bacon Contract Provisions.** Shall be incorporated herein and made part of this contract.

[SIGNATURES APPEAR ON FOLLOWING PAGE]

**12.0** Certifications. The undersigned representatives of each party acknowledge by signature below that they have reviewed the foregoing and understand their respective obligations as defined herein. This Contract may be signed in counterparts.

## HOUSING AUTHORITY OF THE CITY OF EL PASO

By:		Date:
-	GERALD CICHON	
	CHIEF EXECUTIVE OFFICER	
XX	XXXXXXXXXX	
By:		Date:
Dy.	AUTHORIZED SIGNER	Date
	TITLE	
	IIILE	
НО	USING AUTHORITY OF THE CITY OF EL PASO	)
	PROVED AS TO FORM ONLY:	
By:		Date:
0.5.	HACEP LEGAL COUNSEL	



Request for Proposal OPS 20-R-0003 Sun Plaza Tower Wellness Clinic

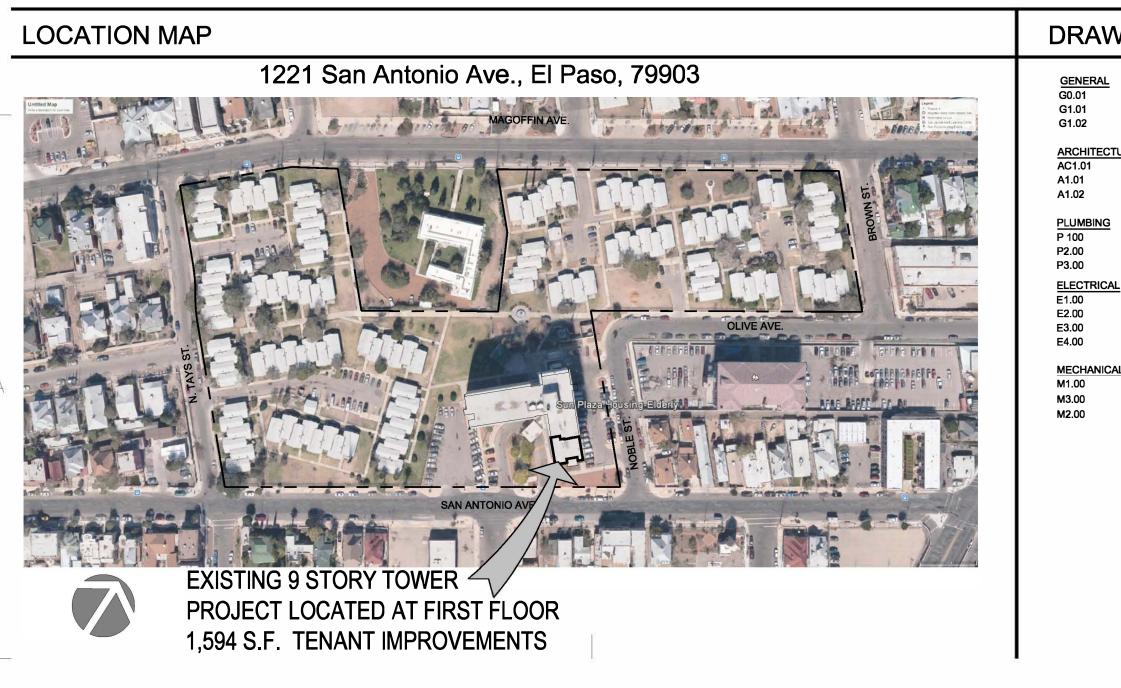
## Attachment B

Drawings

# WELLNESS CLINIC FOR THE UNIVERSITY MEDICAL CENTER OF EL PASO, TENANT IMPROVEMENTS AT HACEP SUN PLAZA TOWER

11/ 19/2019 EAB REGISTRATION No TABS2020003206

В



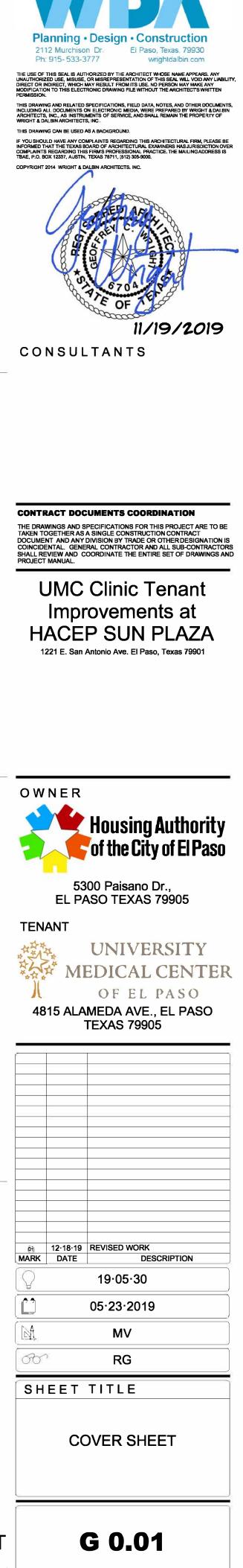
1221 E. San Antonio Ave., El Paso Texas 79901

	CONSULTANTS
AL COVER SHEET BUILDING OCCUPANCY PLAN PERFORMANCE SPECIFICATION SHEET	MECHANICAL, ELECTRICAL AND PLUMBING
ECTURAL ARCHITECTURAL SITE PLAN EXISTING - DEMOLITION & NEW WORK ARCHITECTURAL FLOOR PLANS INTERIOR ELEVATIONS AND DETAILS & RFC FLOOR PLAN PLUMBING GENERAL INFORMATION PLUMBING GENERAL INFORMATION PLUMBING SCHEDULE & SCHEMATICS CAL ELECTRICAL GENERAL NOTES, LEGEND, ENERGY COMPLIANCE EXISTING TOWER BASEMENT AND FIRST FLOOR ELECTRICAL POWER PLAN ELECTRICAL RISER DIAGRAM & SCHEMATICS ELECTRICAL LIGHTING FIXTURE SCHEDULE AND PANEL SCHEDULE IICAL MECHANICAL GENERAL INFORMATION, LEGEND, ENERGY COMPLIANCE, AND SCHEDULE EXISTING REMODEL. MECHANICAL FIRST FLOOR PLAN MECHANICAL SCHEMATICS & SCHEDULES	ENGINE CONTRACTOR CONT



## **Building Permit Application**

CASE NUMBER (Not to be filled out by Applie	cant):	
PROPERTY INFORMATION:	00100	
PID Number <u>111659 Geo Id. H795999000</u> Property <u>Address1221E. SAN ANTONIO AV</u>		
Legal Description Subdivision/Survey _HOUSING AUTHORITY ADI	DITION	
_otBlock		
	Dhama ng 015 522 2777	
Address 2112 Murchison Dr	Phone no. <u>915-533-3777</u> City <u>El Paso</u> State <u>Texas</u> Zip <u>79930</u>	
Email address gwright@wrightdalbin.com		
Applicant is: Owner* Authorized Agent	*Contractor	
	t be completed if applicant is the authorized agent and/or the	
	An owner wishing to act as their own general contractor to applete the Homeowner's New Construction Permit Form.	
(Separate document – needs to be notarized)		
OWNER:		
Name Housing Authority of El Paso Address 5300 Paisano Dr.	Phone no. <u>915- 544-1200</u> City <u>El Paso</u> State <u>Texas</u> Zip <u>79905</u>	
Email address		
CONTRACTOR:		
Business Name <u>ITEX</u> Address <u>9 Greenway</u> Plaza Suite 1250 77046	Phone no. <u>260-402-0159</u> City Houston State <u>Texas</u> Zip <u>77046</u>	
Email _james.demeritt@itexgrp.com		
SCOPE OF WORK: Check as applicable RESIDENTIAL		
RESIDENTIAL New Single Family Dwelling so	q. ft Accessory Building	
New Single Family Dwelling       so         New Duplex       so         New Townhouse       so	q. ftCommercial Demolition	
Addition so	q. ft Fence (Rock, Block, Wood, Chainlink)	
Alterationso NewcTriplexso		
New Quadraplex so Accessory Dwelling Unit	q. ftPatio/Porch/Balcony/Carportsq. ft	
	Mobile Home Placement	
COMMERCIAL/INDUSTRIAL New ApartmentComplex bldgs	Temporary Placement; units Dates Of Operation	
New Shell Building so New Building so	q. ftCompletion Permit	
Additionso	g. ftCurb Cut (Driveway) Sidewalk	
Tenant Improvement 1,594.00 so Exterior SiteLighting	q. ftStreet Rental sq. ft.	
PROJECT VALUATION: \$ EAB REGISTRATION NUMBER TAB	S2020003206	
ASBESTOS REPORT YES_	NO vee anex letter	
NOTICE:		
	rk or construction authorized is not commenced and	
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	<ol> <li>LANDSCAPE DRAWINGS</li> <li>IRRIGATION DRAWINGS</li> <li>ARCHITECTURAL DRAWINGS</li> <li>PLUMBING DRAWINGS</li> <li>ELECTRICAL DRAWINGS</li> <li>ELECTRICAL DRAWINGS</li> <li>DARK SKY COMPLIANCE</li> <li>LIGHTING ENERGY CODE COMPLIANCE</li> <li>ENVELOPE ENERGY CODE COMPLIANCE</li> <li>MECHANICAL ENERGY CODE COMPLIANCE</li> <li>MINDOW SCHEDULE</li> <li>WINDOW SCHEDULE</li> <li>ASBESTOS REPORT</li> <li>STORM WATER POLLUTION PREVENTION PLAN</li> </ol>	NO NO NA NA NA NA NA NA NA NA NA NA NA NA NA
	<ol> <li>DOORS/HARDWARE</li> <li>ACCESS ROUTE (PUBLIC)</li> <li>SPACE REQUIREMENTS</li> <li>BATHROOMS</li> <li>PARKING/VAN ACCESSIBLE</li> <li>COUNTERS</li> <li>EAB REGISTRATION NUMBER</li> <li>BUILDING CODE ANALYSIS:</li> </ol>	YES YES YES NO YES YES
	UMC TENANT IMPROVEMENT AT HACEP SU	JN PLAZA
•	GENERAL INFORMATION	
	PROPERTY ADDRESS 1221 E. SAN AN EL PASO, TX 799	
	BUILDING AUTHORITY CITY OF EL PAS	O, TEXAS
	FIRE PROTECTIONS DISTRICT CITY OF EL PAS	
	BUILDING CODE         IEBC 2015           SCOPE OF WORK         TENANT IMPRO	
•		
	ZONING A-3 SP LEGAL DESCRIPTION HOUSING AUTH CITY OF EL PAS COUNTY TEXAS	
	TOWER BUILDING(FOOTPRINT) NEW TENANT IMPROVEMENTS TOTAL BLDG. FOOTPRINT(to remain /no change)	12,087 S.F. 1,594 S.F. 12,087 S.F.
	SPRINKLERED STRUCTURE	YES
		123
	CHAPTER 3: TOWER USE CLASSIFICATION	123
	CHAPTER 3: TOWER USE CLASSIFICATIONASSEMBLYGROUP A3COMMUNITY ROOMSBUSINESSGROUP BOFFICESRESIDENTIALGROUP R-2APARTMENTSTOTAL TOWER AREACOMMUNITY ROOMS	2,521 S.F. 5,505 S.F. 120,246 S.F. 128,272 S.F.
	ASSEMBLY GROUP A3 COMMUNITY ROOMS BUSINESS GROUP B OFFICES RESIDENTIAL GROUP R-2 APARTMENTS	2,521 S.F. 5,505 S.F. 120,246 S.F.
	ASSEMBLY GROUP A3 COMMUNITY ROOMS BUSINESS GROUP B OFFICES RESIDENTIAL GROUP R-2 APARTMENTS TOTAL TOWER AREA THIS PROJECT IN BUSINESS AREA 1st FLOOR BUSINESS GROUP B OFFICES DISTANCE FROM THE BUILDING TO THE NEAREST TWO FIRE HYDRANTS FLOOD ZONE VERIFIED	2,521 S.F. 5,505 S.F. 120,246 S.F. 128,272 S.F. 1,594 S.F. <u>EXISTING</u> N/A
	ASSEMBLY GROUP A3 COMMUNITY ROOMS BUSINESS GROUP B OFFICES RESIDENTIAL GROUP R-2 APARTMENTS TOTAL TOWER AREA THIS PROJECT IN BUSINESS AREA 1st FLOOR BUSINESS GROUP B OFFICES DISTANCE FROM THE BUILDING TO THE NEAREST TWO FIRE HYDRANTS	2,521 S.F. 5,505 S.F. 120,246 S.F. 128,272 S.F. 1,594 S.F. <u>EXISTING</u> N/A N/A
-	ASSEMBLY GROUP A3 COMMUNITY ROOMS BUSINESS GROUP B OFFICES RESIDENTIAL GROUP R-2 APARTMENTS TOTAL TOWER AREA THIS PROJECT IN BUSINESS AREA 1st FLOOR BUSINESS GROUP B OFFICES DISTANCE FROM THE BUILDING TO THE NEAREST TWO FIRE HYDRANTS	2,521 S.F. 5,505 S.F. 120,246 S.F. 128,272 S.F. 1,594 S.F. <u>EXISTING</u> N/A N/A N/A RACTOR
	ASSEMBLY GROUP A3 COMMUNITY ROOMS BUSINESS GROUP B OFFICES RESIDENTIAL GROUP R-2 APARTMENTS TOTAL TOWER AREA THIS PROJECT IN BUSINESS AREA 1st FLOOR BUSINESS GROUP B OFFICES DISTANCE FROM THE BUILDING TO THE NEAREST TWO FIRE HYDRANTS FLOOD ZONE VERIFIED STRUCTURAL DESIGN VERIFIED PROJECT VALUATION PRICE PROVIDED BY CONTER	2,521 S.F. 5,505 S.F. 120,246 S.F. 128,272 S.F. 1,594 S.F. <u>EXISTING</u> N/A N/A N/A RACTOR
503	ASSEMBLY GROUP A3 COMMUNITY ROOMS BUSINESS GROUP B OFFICES RESIDENTIAL GROUP R-2 APARTMENTS TOTAL TOWER AREA THIS PROJECT IN BUSINESS AREA 1st FLOOR BUSINESS GROUP B OFFICES DISTANCE FROM THE BUILDING TO THE NEAREST TWO FIRE HYDRANTS FLOOD ZONE VERIFIED STRUCTURAL DESIGN VERIFIED PROJECT VALUATION PRICE PROVIDED BY CONTE CHAPTER 5 : GENERAL BUILDING HEIGHTS	2,521 S.F. 5,505 S.F. 120,246 S.F. 128,272 S.F. 1,594 S.F. <u>EXISTING</u> N/A N/A N/A RACTOR
ABLE 503	ASSEMBLY GROUP A3 COMMUNITY ROOMS BUSINESS GROUP B OFFICES RESIDENTIAL GROUP R-2 APARTMENTS TOTAL TOWER AREA THIS PROJECT IN BUSINESS AREA 1st FLOOR BUSINESS GROUP B OFFICES DISTANCE FROM THE BUILDING TO THE NEAREST TWO FIRE HYDRANTS FLOOD ZONE VERIFIED STRUCTURAL DESIGN VERIFIED PROJECT VALUATION PRICE PROVIDED BY CONTE CHAPTER 5 : GENERAL BUILDING HEIGHTS ALLOWABLE HEIGHT AND BUILDING AREAS TABULAR AREA BUSINESS AND RESIDENTIAL TABULAR STORIES	2,521 S.F. 5,505 S.F. 120,246 S.F. 128,272 S.F. 1,594 S.F. EXISTING N/A N/A RACTOR S AND AREAS
TABLE 503	ASSEMBLY GROUP A3 COMMUNITY ROOMS BUSINESS GROUP B OFFICES RESIDENTIAL GROUP R-2 APARTMENTS TOTAL TOWER AREA THIS PROJECT IN BUSINESS AREA 1st FLOOR BUSINESS GROUP B OFFICES DISTANCE FROM THE BUILDING TO THE NEAREST TWO FIRE HYDRANTS FLOOD ZONE VERIFIED PROJECT VALUATION PRICE PROVIDED BY CONTE CHAPTER 5 : GENERAL BUILDING HEIGHTS ALLOWABLE HEIGHT AND BUILDING AREAS TABULAR AREA BUSINESS AND RESIDENTIAL	2,521 S.F. 5,505 S.F. 120,246 S.F. 128,272 S.F. 1,594 S.F. EXISTING N/A N/A RACTOR S AND AREAS
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TABLE 503	ASSEMBLY GROUP A3 COMMUNITY ROOMS BUSINESS GROUP B OFFICES RESIDENTIAL GROUP R-2 APARTMENTS TOTAL TOWER AREA THIS PROJECT IN BUSINESS AREA 1st FLOOR BUSINESS GROUP B OFFICES DISTANCE FROM THE BUILDING TO THE NEAREST TWO FIRE HYDRANTS FLOOD ZONE VERIFIED STRUCTURAL DESIGN VERIFIED PROJECT VALUATION PRICE PROVIDED BY CONTE CHAPTER 5 : GENERAL BUILDING HEIGHTS ALLOWABLE HEIGHT AND BUILDING AREAS TABULAR AREA BUSINESS AND RESIDENTIAL TABULAR STORIES BUSINESS AND RESIDENTIAL AREA MODIFICATIONS	2,521 S.F. 5,505 S.F. 120,246 S.F. 128,272 S.F. 1,594 S.F. <u>EXISTING</u> N/A N/A RACTOR S AND AREAS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
TABLE 503	ASSEMBLY GROUP A3 COMMUNITY ROOMS BUSINESS GROUP B OFFICES RESIDENTIAL GROUP R-2 APARTMENTS TOTAL TOWER AREA THIS PROJECT IN BUSINESS AREA 1st FLOOR BUSINESS GROUP B OFFICES DISTANCE FROM THE BUILDING TO THE NEAREST TWO FIRE HYDRANTS FLOOD ZONE VERIFIED STRUCTURAL DESIGN VERIFIED PROJECT VALUATION PRICE PROVIDED BY CONTE CHAPTER 5 : GENERAL BUILDING HEIGHT ALLOWABLE HEIGHT AND BUILDING AREAS TABULAR AREA BUSINESS AND RESIDENTIAL TABULAR STORIES BUSINESS AND RESIDENTIAL AREA MODIFICATIONS HEIGHT MODIFICATIONS	2,521 S.F. 5,505 S.F. 120,246 S.F. 128,272 S.F. 1,594 S.F. <u>EXISTING</u> N/A N/A RACTOR S AND AREAS N/A N/A N/A N/A N/A N/A N/A N/A S06 N/A 506 N/A 504.2 N/A 504.2
TABLE 503	ASSEMBLY GROUP A3 COMMUNITY ROOMS BUSINESS GROUP B OFFICES RESIDENTIAL GROUP R-2 APARTMENTS TOTAL TOWER AREA THIS PROJECT IN BUSINESS AREA 1st FLOOR BUSINESS GROUP B OFFICES DISTANCE FROM THE BUILDING TO THE NEAREST TWO FIRE HYDRANTS FLOOD ZONE VERIFIED STRUCTURAL DESIGN VERIFIED PROJECT VALUATION PRICE PROVIDED BY CONTF CHAPTER 5 : GENERAL BUILDING HEIGHTS ALLOWABLE HEIGHT AND BUILDING AREAS TABULAR AREA BUSINESS AND RESIDENTIAL TABULAR STORIES BUSINESS AND RESIDENTIAL AREA MODIFICATIONS	2,521 S.F. 5,505 S.F. 120,246 S.F. 128,272 S.F. 1,594 S.F. <u>EXISTING</u> N/A N/A RACTOR S AND AREAS N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A

9 STORY

DOCUMENTS/DRAWINGS INCLUDED

CIVIL DRAWINGS

D

TOWER		TYPE I-B	
TOWER		SPRINKLERED	
FIRE-RESISTANCE RATING REQUIREMENTS FOR BU	1	RATING (HRS)	
PRIMARY STRUCTURAL FRAME		2 HR	
BEARING WALLS			
EXTERIOR		2 HR	
INTERIOR		0 HR	
NONBEARING WALLS AND PARTITIONS EXTERIOR		0HR	
INTERIOR		0 HR	
FLOOR CONSTRUCTION & SECONDARY MEMBERS		2 HR	
ROOF CONSTRUCTION & SECONDARY MEMBERS		1 HR	
CHAPTER 7: FIRE-RESISTANCE-RATE	D CC	NSTRUCTION	
FIRE SEPARATION ASSEMBLIES			
SEPARATION OF OCCUPANCIES	L	EXISTING	
		508.3	
CORRIDORS		B. OCC. FIRST FLR.	
	Т	ABLE 1018.1	Not necessary for
CHAPTER 10: MEANS OF EGRESS			Business occupancies
MAXIMUM FLOOR AREA ALLOWANCES PE	ROCO	UPANT	
DCCUPANCY		LOOR AREA T. / OCCUPANT	
GROUP B 1,594 /100	1	6 OCCUPANT	
	ΤA	BLE 1004.1.2	
EGRESS WIDTH PER OCCUPANT SER	VED	1	
STAIRWAYS		N/A	
		1N/A	
OTHER EGRESS COMPONENTS	34	" MIN/DOOR	.2" per occupant
MAXIMUM COMMON PATH OF EGRESS TRAVEL, SING	GLE EX	IT 75 FT	
		1006.2.1	From any point where a occupant has a choice o
MAXIMUM EXIT ACCESS TRAVEL DISTANCE			two paths of egress to travel to two exits
BUSINESS & RESIDENTIAL		250 FT.	travel to two exits
OCCUPANCY GROUP WITH SPRINKLERS	T/	ABLE 1017.2	
MINIMUM CORRIDOR WIDTH		EXISTING	
		1020.2	
		FOFT	
DEAD END CORRIDORS - MAXIMUM LENGTH		50 FT. 1018.4	
		1018.4	
MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD		1	
THIS SPACE	7	ABLE 1021.1	
CHAPTER 29: PLUMBING S	YSTE	EMS	
MINIMUM NUMBER OF REQUIRED PLUMBING FACILITIES			
All existing plumbing fixtures will remain use is the same a the same a sexisting use was, so no additional plumbing fi			

2

В

\_\_\_\_\_

ACTUAL STORIES/FEET

С



CLASSIFICATION OF WORK CHAPTER 5 IEBC

### SECTION 502 REPAIRS

502.1 Scope. Repairs, as defined in Chapter 2, include the patching or restoration or replacement of damaged materials, elements, equipment or fixtures for the purpose of maintaining such components in good or sound condition with respect to existing loads or performance requirements.

### SECTION 503 ALTERATION-LEVEL 1

503.1 Scope. Level 1 alterations include the removal and replacement or the covering of existing materials, elements, equipment, or fixtures using new materials, elements, equipment, or fixtures that serve the same purpose.

### SECTION 504 ALTERATION-LEVEL 2

504.1 Scope. Level 2 alterations include the reconfiguration of space, the addition or elimination of any door or window, the reconfiguration or extension of any system, or the installation of any additional equipment.

### SECTION 703 FIRE PROTECTION

703.1 General. Alterations shall be done in a manner that maintains the level of fire protection provided.

## SECTION 704

MEANS OF EGRESS 704.1 General. Alterations shall be done in a manner that maintains the level

## of protection provided for the means of egress.

SECTION 708 ENERGY CONSERVATION

708.1 Minimum requirements. Level 1 alterations to exist-ing buildings or structures are permitted without requiring the entire building or structure to comply with the energy requirements of the International Energy Conservation Code or International Residential Code. The alterations shall con-form to the energy requirements of the International Energy Conservation Code or International Residential Code as they relate to new construction only.

## Level 2 IEBC

SECTION 801 IEBC GENERAL

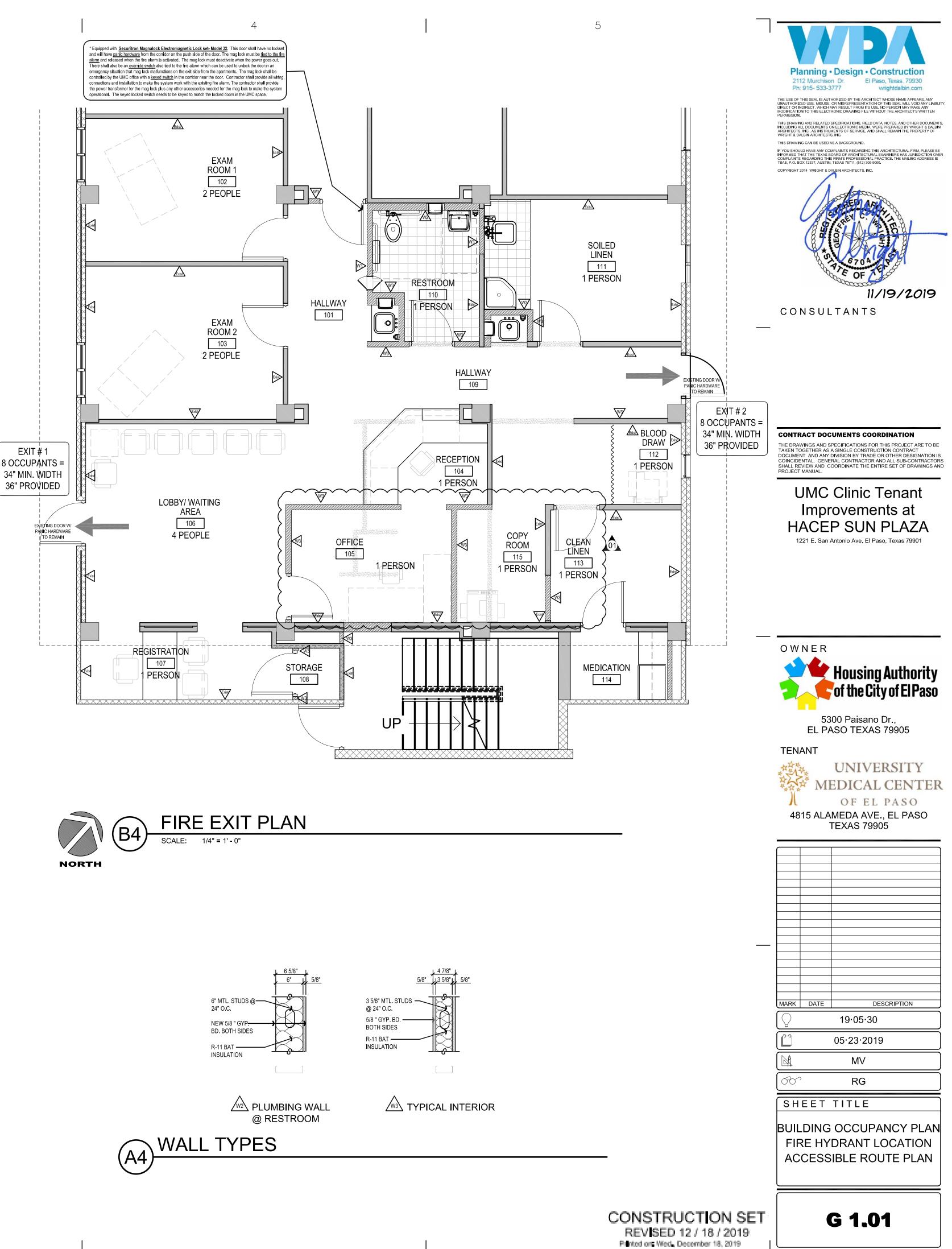
801.1 Scope. Level 2 alterations as described in Section 504 shall comply From any point where an with the requirements of this chapter. Exception: Buildings in which the occupant has a choice of reconfiguration is exclusively the result of compliance with the accessibility requirements of Section 705.2 shall be permitted to comply with Chapter 7. 804.2.2 Groups A, B, E, F-1, H, I, M, R-1, R-2, R-4, S-1 and S-2. In buildings with occupancies in Groups A, B, E, F-1, H, I, M, R-1, R-2, R-4, S-1 and S-2, work areas that have exits or corridors shared by more than one tenant or that have exists or corridors serving occupant load greater than 30 shall be provided with automatic sprinkler protection where all of the following conditions occur:

> 1. The work area is required to be provide with an automatic sprinkler system in accordance with the International Building Code applicable to new construction; and

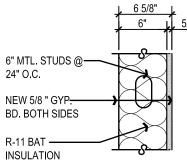
2. The construction; work area exceeds 50 percent of the floor area.

### SECTION 811 ENERGY CONSERVATION

811.1 Minimum requirements. Level 2 alterations to exist-ing buildings or structures are permitted without requiring the entire building or structure to comply with the energy requirements of the International Energy Conservation Code or International Residential Code. The alterations shall con-form to the energy requirements of the International Energy Conservation Code or International Residential Code as they relate to new construction.









REQUIREMENTS FOR STRUCTURAL WORK: DO NOT CUT AND PATCH STRUCTURAL ELEMENTS IN A MANNER THAT WOULD REDUCE THEIR LOAD-CARRYING CAPACITY OR LOAD-DEFLECTION RATIO.

OPERATIONAL AND SAFETY ELIMINATIONS: DO NOT CUT AND PATCH OPERATING ELEMENTS OR SAFETY RELATED COMPONENTS IN A MANNER THAT WOULD RESULT IN REDUCING THEIR CAPACITY TO PERFORM AS INTENDED. OR RESULT IN INCREASED MAINTENANCE, OR DECREASED OPERATIONAL LIFE OR SAFETY.

VISUAL REQUIREMENT: DO NOT CUT AND PATCH CONSTRUCTION EXPOSED ON THE EXTERIOR OR IN OCCUPIED SPACES, IN A MANNER THAT WOULD, IN THE ARCHITECT'S OPINION, REDUCE THE BUILDING'S AESTHETIC QUALITIES, OR RESULT IN VISUAL EVIDENCE OF CUTTING AND PATCHING. REMOVE AND REPLACE WORK CUT AND PATCHED IN A VISUALLY UNSATISFACTORY MANNER.

MATERIALS: USE MATERIALS THAT ARE IDENTICAL TO EXISTING MATERIALS. IF IDENTICAL MATERIALS ARE NOT AVAILABLE OR CANNOT BE USED WHERE EXPOSED SURFACES ARE INVOLVED, USE MATERIALS THAT MATCH EXISTING ADJACENT SURFACES TO THE FULLEST EXTENT POSSIBLE WITH REGARD TO VISUAL EFFECT. USE MATERIALS WHOSE INSTALLED PERFORMANCE WILL EQUAL OR SURPASS THAT OF EXISTING

NSPECTION: BEFORE CUTTING EXISTING SURFACES, EXAMINE SURFACES TO BE CUT AND PATCHED AND CONDITIONS UNDER WHICH CUTTING AND PATCHING IS TO BE PERFORMED. TAKE CORRECTIVE ACTION BEFORE PROCEEDING, IF UNSAFE OR UNSATISFACTORY CONDITIONS ARE ENCOUNTERED.

BEFORE PROCEEDING, MEET AT THE SITE WITH ALL PARTIES INVOLVED IN CUTTING AND PATCHING, INCLUDING MECHANICAL AND ELECTRICAL TRADES. REVIEW AREAS OF POTENTIAL INTERFERENCE AND CONFLICT. COORDINATE PROCEDURES AND RESOLVE POTENTIAL CONFLICTS BEFORE PROCEEDING.

TEMPORARY SUPPORT: PROVIDE TEMPORARY SUPPORT OF WORK TO BE CUT.

PROTECTION: PROTECT EXISTING CONSTRUCTION DURING CUTTING AND PATCHING TO PREVENT DAMAGE.

PROVIDE PROTECTION FROM ADVERSE WEATHER CONDITIONS FOR PORTIONS OF THE PROJECT THAT MIGHT BE EXPOSED DURING CUTTING AND PATCHING OPERATIONS.

AVOID INTERFERENCE WITH USE OF ADJOINING AREAS OR INTERRUPTION OF FREE PASSAGE TO ADJOINING

TAKE ALL PRECAUTIONS NECESSARY TO AVOID CUTTING EXISTING PIPES, CONDUIT OR DUCTWORK SERVING THE BUILDING, BUT SCHEDULED TO BE REMOVED OR RELOCATED UNTIL PROVISIONS HAVE BEEN MADE TO BYPASS THEM.

GENERAL: EMPLOY SKILLED WORKMEN TO PERFORM CUTTING AND PATCHING. PROCEED WITH CUTTING AND PATCHING AT THE EARLIEST FEASIBLE TIME AND COMPLETE WITHOUT DELAY.

CUT EXISTING CONSTRUCTION TO PROVIDE FOR INSTALLATION OF OTHER COMPONENTS OR PERFORMANCE OF OTHER CONSTRUCTION ACTIVITIES AND THE SUBSEQUENT FITTING AND PATCHING REQUIRED TO RESTORE SURFACES TO THEIR ORIGINAL CONDITION.

CUTTING: CUT EXISTING CONSTRUCTION USING METHODS LEAST LIKELY TO DAMAGE ELEMENTS TO BE RETAINED OR ADJOINING CONSTRUCTION. WHERE POSSIBLE, REVIEW PROPOSED PROCEDURES WITH THE ORIGINAL INSTALLER. COMPLY WITH THE ORIGINAL INSTALLER'S **RECOMMENDATIONS.** 

### GENERAL NOTES 🔐

### FIRE PROTECTION:

CONTRACTOR IS TO HIRE A PROFESSIONAL FIRE PROTECTION ENGINEER TO RE-DESIGN OF THE EXISTING FIRE SPRINKLER SYSTEM AND INSTALLATION OF NEW FIRE SPRINKLERS IN THE NEW AREA AS REQUIRED BY THE NEW ROOM CONFIGURATION. THESE ARE ADJUSTMENTS TO THE EXISTING SPRINKLER SYSTEM ONLY. FIRE PROTECTION ENGINEER IS TO ALSO PROVIDE THE REDESIGN OF THE EXISTING FIRE ALARM SYSTEM AS REQUIRED FOR THE NEW SPACE DESIGN AS WELL.

FINISHES:

THE EXISTING SPACES WERE JUST RECENTLY REMODELED SO THE MAJORITY OF THE EXISTING FINISHES ARE IN GOOD CONDITION. THE CONTRACTOR HAS THE OPTION TO REUSE ITEMS THAT ARE PRACTICAL SUCH AS DOORS, CEILING TILE, CEILING GRID. FINISHED PRODUCT SHALL LOOK AND FUNCTION AS IF IT WERE NEW IF THE CONTRACTOR CHOOSES TO REUSE ITEMS.

ALL NEW FINISHES SHALL BE OF THE SAME QUALITY AS THE EXISTING AND IF PATCHED SHALL MATCH THE EXISTING WITH NO VISIBLE PATCHING BEING MADE. IF THE FLOOR IS PATCHED, THE PATCHED SHALL BE TOOTHED IN TO THE EXISTING LVT. STRAIGHT CUT LINES SAY AT SPACES LEFT AT REMOVED WALL LOCATIONS WILL NOT BE ACCEPTABLE.

### SPECIFICATIONS:

SPECIFICATION SHEETS PROVIDED IN THIS SET ARE ABBREVIATED PERFORMANCE TYPE SPECIFICATIONS BUT SHOULD BE COMPLETE ENOUGH FOR THIS PROJECT PROVIDED THE CONTRACTOR FOLLOWS. MANUFACTURERS INSTALLATION SPECIFICATIONS, CODE AND GENERAL CONSTRUCTION STANDARDS. IF THE CONTRACTOR IS UNCLEAR ABOUT ANY ITEM THEN HE CAN REFER TO ENTIRE PROJECT MANUAL WHICH WAS DONE FOR THE REST OF THIS BUILDING PART OF AN EARLIER COMPLETED PHASE OF THIS SAME PROJECT ...

IN GENERAL, WHERE CUTTING IS REQUIRED, USE HAND OR SMALL POWER TOOLS DESIGNED FOR SAWING AND GRINDING, NOT HAMMERING AND CHOPPING. CUT HOLES AND SLOTS NEATLY TO SIZE REQUIRED WITH MINIMUM DISTURBANCE OF ADJACENT SURFACES. TEMPORARILY COVER OPENINGS WHEN NOT IN USE.

TO AVOID MARRING EXISTING FINISHED SURFACES, CUT OR DRILL FROM THE EXPOSED OR FINISHED SIDE INTO CONCEALED SURFACES.

CUT THROUGH CONCRETE AND MASONRY USING A CUTTING MACHINE SUCH AS A CARBORUNDUM SAW OR DIAMOND CORE DRILL.

BY-PASS UTILITY SERVICES SUCH AS PIPE OR CONDUIT, BEFORE CUTTING, WHERE SERVICES ARE SHOWN OR REQUIRED TO BE REMOVED, RELOCATED OR ABANDONED. CUT-OFF PIPE OR CONDUIT IN WALLS OR PARTITIONS TO BE REMOVED. CAP VALVES OR PLUG AND SEAL THE REMAINING PORTION OF PIPE OR CONDUIT TO PREVENT ENTRANCE OF MOISTURE OR OTHER FOREIGN MATTER AFTER BYPASSING AND CUTTING.

PATCHING: PATCH WITH DURABLE SEAMS THAT ARE AS INVISIBLE AS POSSIBLE. COMPLY WITH SPECIFIED

WHERE FEASIBLE, INSPECT AND TEST PATCHED AREAS TO DEMONSTRATE INTEGRITY OF THE INSTALLATION

RESTORE EXPOSED FINISHES OF PATCHED AREAS AND EXTEND FINISH RESTORATION INTO RETAINED. ADJOINING CONSTRUCTION IN A MANNER THAT WILL ELIMINATE EVIDENCE OF PATCHING AND REFINISHING.

WHERE REMOVAL OF WALLS OR PARTITIONS EXTENDS ONE FINISHED AREA INTO ANOTHER, PATCH AND REPAIR FLOOR AND WALL SURFACES IN THE NEW SPACE TO PROVIDE AN EVEN SURFACE OF UNIFORM COLOR AND APPEARANCE. REMOVE EXISTING FLOOR AND WALL COVERINGS AND REPLACE WITH NEW MATERIALS, IF NECESSARY TO ACHIEVE UNIFORM COLOR AND APPEARANCE.

WHERE PATCHING OCCURS IN A SMOOTH PAINTED SURFACE, EXTEND FINAL PAINT COLOR OVER ENTIRE UNBROKEN CONTAINING THE PATCH, AFTER THE PATCHED AREA HAS RECEIVED PRIMER AND SECOND COAT.

PATCH, REPAIR OR ETHAN EXISTING CEILING AS NECESSARY TO PROVIDE AN EVEN PLANE OF UNIFORM

THOROUGHLY CLEAN AREAS AND SPACES WHERE CUTTING AND PATCHING IS PERFORMED OR USED AS ACCESS.

REMOVE COMPLETELY PAINT, MORTAR, OILS, PUTTY AND ITEMS OF SIMILAR NATURE. THOROUGHLY CLEAN PIPING, CONDUIT AND SIMILAR FEATURES BEFORE PAINTING OR OTHER FINISHING IS APPLIED. RESTORE DAMAGED PIPE COVERING TO ITS ORIGINAL CONDITION.

WINDOWS 2" X 4" ALUMINUM WINDOW FRAME WITH CLEAR ANODIZED ALUMINUM FINISH, USE MANUFACTURERS SUCH AS KAWNEER OR VISTA WALL WINDOW SHALL BE LOW "E" 1" INSULATED GLASS WHICH MEETS IECC REQUIRED U FACTOR SHALL BE .55. & SHGC.35 , TINT TO MATCH EXISTING

PAINT SHALL BE SATIN FINISH & TEXTURE TO MATCH EXISTING, ANY NEW PAINTED AREA SHALL EXTEND FROM CORNER TO CORNER. SEE SCHEDULE **BELOW FOR PAINT TYPES.** 

## PAINT SCHEDULE

<u>General:</u> Provide the following paint systems for the various substrates, as indicated. PAINT SCHEDULE

### MANUFACTURERS: Subject to compliance with requirements, manufacturers

offering products which may be incorporated in the work include, but are not limited to, the

following: Samuel Cabot Inc. (Cabot). Devoe and Reynolds Co. (Devoe). Kwal Paint/Comex Group (Kwal) Benjamin Moore and Co. (Moore)

Olympic Stains (Olympic). PPG Industries, Pittsburgh Paints (PPG).

Pratt and Lambert (P & L).

The Sherwin-Williams Company (S-W).

Thoro Systems Products, Inc. (Thoro). Tnemec Company, Inc. (Tnemec).

Welborne Paint.

Other manufacturers are acceptable. Submit certificate of compliance with federal standards indicated on paint mfrs letterhead along with copy of test results for approval.

### EXTERIOR PAINT SCHEDULE

Concrete and Concrete Masonry Units

Heavy-Duty Textured Coating: One coat with total dry film thickness not less

15.0 mils for concrete and two coats with total dry film thickness not less than 25.0 mils for concrete masonry units.

First and Second Coat: Heavy-duty, Textured Coating (FS TT-C-555, Type

PPG: Speedhide High Build Texture Coating. Tnemec: Series 52 Tneme-Crete (Contractor's option).

## Ferrous Metal:

Silicone Alkyd Semi-Gloss Finish: 2 Finish coats over primer. Primer is not required on items delivered shop primed. Prime Coat: Zinc Chromate Alkyd Primer (FS TT-P-645).

Moore: Ironclad Zinc Chromate Primer.

PPG: 6-204 PPG Zinc Chromate Primer. S-W: S-W Zinc Chromate Primer.

First and Second Finish Coats: Semi-Gloss Silicone Alkyd Enamel (FS TT-E-490).

Moore: Moore's Polysilicone Enamel

PPG: 97-480 Silicone Polyester Coating. S-W: S-W New Silicone - Alkyd Gloss Enamel.

## Zinc-Coated and Galvanized Metal:

Silicone Alkyd Semi-Gloss Enamel: 2 Finish coats over primer. Prime Coat: Zinc Dust-Zinc Oxide Primer (FS TT-P-641). PPG: 6-215 Speedhide Galvanized Steel Primer. S-W: S-W Galvanized Iron Primer.

<u>First and Second Finish Coats</u>: Semi Gloss Silicone Alkyd Enamel (FS TT-E-490).

Moore: Moore's Polysilicone Enamel. PPG: 97-480 Silicone Polyester Coating.

S-W: S-W New Silicone-Alkyd Gloss Enamel.

## Aluminum:

High Gloss Alkyd Enamel: 2 Finish coats over primer. Prime Coat: Zinc Chromate Primer (FS TT-P-645). Moore: Iron-Clad Zinc Chromate Primer.

PPG: 6-204 PPG Zinc Chromate Primer. S-W: S-W Zinc Chromate Primer.

First and Second Finish Coats: High Gloss Alkyd Enamel (FS TT-E-489, Class A).

Moore: Moore's Impervo High-Gloss Enamel Interior/Exterior.

## PPG: 6-252 PPG Alkyd Gloss Enamel.

S-W: S-W Metalistic II Enamel.

## INTERIOR PAINT SCHEDULE

Gypsum Drywall Systems:

Satin Latex Finish: 2 coats. See gypsum drywall section in Division 9 for texture requirements.

Provide for all areas not scheduled for semi-gloss alkyd enamel or for epoxy pain

first coat: interior latex base primer coat (fs tt-p-650).

moore: moore's latex quick-dry primer seal.

PPG: 6-2 ppg quick-drying interior latex primer sealer. s-w: s-w pro-mar latex wall primer.

second coat: interior semi-gloss latex paint (fs tt-p-29).

PPG: speedhide interior acrylic latex satin enamel.

s-w: pro-mar 200 latex satin enamel.

odorless semi-gloss alkyd enamel finish: 3 coats with total dry film thickness not less than 2.5 mils.

first coat: interior latex base primer coat (fs tt-p-650).

first coat: interor flat latex base paint (fs tt-p-29).

moore: moore's latex quick-dry prime seal.

PPG: 6-2 ppg quick-drying interior latex primer sealer.

s-w: s-w pro-mar latex wall primer.

second and third coats: odorless interior semi-gloss alkyd enamel (fs tt-e-509).

- moore: moore's satin impervo enamel. PPG: 27-109 wall hide semi-gloss enamel.
- p & 1: pro-hide plus alkyd semi-gloss.

s-w: s-w pro-mar alkyd semi-gloss enamel.

satin latex finish: two (2) finish coats over primer, with total dry film thickness

not less than 2.5 mils. prime coat: zinc chromate primer (tt-p-645). prime coat is not required on

- items delivered shop primed.
- moore: ironclad zinc chromate primer.
- PPG: 6-204 ppg zinc chromate primer. s-w: s-w zinc chromate primer.
- first and second finish coats: interior semi-gloss latex paint (fs tt-p-29).
- PPG: speedhide interior acrylic latex satin enamel. s-w: pro-mar 200 latex satin enamel.
- zinc-coated or galvanized metal:

ferrous metal:

semi-gloss latex finish: two (2) finish coats over primer, with total dry film thickness not less than 2.5 mils.

- flat alkyd oil finish: refer to item noted under interior ferrous metal for conditions, requirements and option.
- moore: iron-clad galvanized metal primer. PPG: 6-215/6-216 speedhide galvanized steel paint zinc dust.
- s-w: s-w galvanized iron primer.
- first and second finish coats: interior semi-gloss latex paint.
- PPG: speedhide interior acrylic latex semi- gloss enamel. s-w: pro-mar 200 latex semi-gloss enamel.
- painted woodwork and hardboard:
- semi-gloss latex finish: two finish coats over primer coat.
- first primer coat: interior latex base primer coat (fs tt-p-650). PPG: 6-2 ppg quick-drying interior latex primer sealer.
- p & I: pro-hide plus latex primer.
- first and second finish coats: interior semi-gloss latex paint (fs tt-p-29).
- PPG: speedhide interior acrylic latex semi-gloss enamel. s-w: pro-mar 200 latex semi-gloss enamel.

## <u>stained woodwork:</u>

preparations for finishing: comply with awi quality standards, section 1500, for sanding, filling countersunk fasteners, back priming and similar preparations for finishing of architectural woodwork, as applicable to each unit of work.

- stained varnish rubbed finish: 3 finish coats over stain plus filler on open grain wood.
- stain coat: interior oil stain (fs tt-s-711). moore:benwood interior stain.
- PPG: 77-302 rez medium tint base s-w: s-w oil stain.
- first coat: bleached shellac (fs tt-s-300).
- moore:moore's benwood quick-dry sanding sealer.
- s-w: s-w pro-mar varnish sanding sealer.
- filler coat on open grain wood: paste wood filler (fs tt-f-336). wipe before first varnish coat.
- devoe: 4800 wonder woodstain interior paste wood filler. moore: moore's benwood paste wood filler.
- s-w: s-w sher-wood fast-dry filler.
- sand (220 grit or finer stearated paper).
- second and third coats: oil rubbing varnish (fs tt-v-86).
- PPG: 77-7 rez satin varnish.
- s-w: s-w oil base varnish, gloss.
- a dull rubbed effect is required, not a gloss or semi-gloss appearance.

## DOOR in schedule

embedment.

various changes.

match existing ceiling.

DOOR HARDWARE in schedule

BLOCKING shall be used at elements which required support, such as grab bars, upper cabinets, wall hung accessories, wall hung t.v. etc. . all blocking shall be 16 ga. galvanized sheet metal with at least 2 #10 screws per stud. blocking shall be to the next nearest stud past item being supported.

NEW CONCRETE shall be 3,000 psi at 28 days min. reinforcing shall be

of slab shall have #3 rebar at 16" o.c. e.w. installed with #3 dowels

expoxied into the existing slab at 16" o.c. with a minimum of 6"

shown on drawings or matched to existing. trenched or removed sections

WALLS are typical 3 5/8" - 24 ga. metal studs @16" o.c. with a 20 ga. top

and bottom runner. all gypsum board will be 5/8" see wall types for

ACOUSTIC LAY-IN CEILING Shall be fissured 2' by 4' ceiling tiles to

match existing. entire ceiling shall be complete system and installed to

code and to meet manufacturer's specifications. contractor to use tee

GYPSUM BOARD CEILINGS Shall be a complete system from usg or

4' o.c. maximum, ceiling to be taped beaded, textured and painted to

CABINETS shall be constructed to meet aws standards for custom

all hardware hinges pulls slides for cabinets with at least 150 pound

national gypsum products or other manufactures complete with runners at

cabinets with all accessories required for cabinets to be complete. include

weight capacity per slide, contractor to include silencers and nosing were

ceiling grid as part of the manufactures specification.

required etc.. operational waeight shall be 5 pounds to meet TAS.

FLOOR FINISHES - Restroom shall have porcelain tile floors and base rest of the space shall use lvt flooring to match the existing with at least 20 mil top coating for a least a 10 year warranty vinyl base to match the

Elastomeric Joint Sealant Designation: ES #1.

existing.

JOINT SEALANTS:

Base Polymer: Urethane

Grade: NS (nonsag).

substrates indicated. O.

Available Products:

Pecora Corp. - Dynatrol II

Temco - Dymeric.

Base Polymer: Urethane

Grade: P (pourable).

<u>Class</u>: 25.

indicated, O.

GROUTS

**BLINDS:** 

space.

Available Products:

A. Manufacturers:

W. R. Meadows - Pourthane

Sika Corp. - Sikaflex 2c SL.

www.prospec.com.

www.laticrete.com.

Pecora Corp. - NR 200 Urexpan

<u>Type</u>: M (Multicomponent).

Sika Corp. - Sikaflex 2c Ns.

<u>Class</u>: 25.

<u>Type</u>: M (Multicomponent).

Additional Movement Capability: 50 percent movement in extension and 50 percent in compression for a total of 100 percent movement.

<u>Use(s) Related to Exposure:</u> NT (nontraffic). <u>Use(s) Related to Joint Substrate:</u> M, G, A, and, as applicable to joint

Use O Joint Substrates: Coated glass, color anodized aluminum, aluminum coated with a high-performance coating, galvanized steel, brick, granite, limestone, marble, ceramic tile, and wood.

Sonneborn Building Products Division - Sonolastic NP-2.

Elastomeric Joint Sealant Designation: ES #2.

Additional Movement Capability: 50 percent movement in extension and 50 percent in compression for a total of 100 percent movement.

<u>Use(s) Related to Exposure:</u> T (traffic). Use(s) Related to Joint Substrate: M, A, and, as applicable to joint substrates

Sonneborn Building Products Division - Sonolastic SL2.

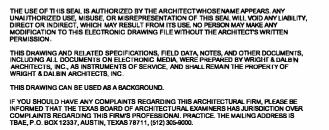
1. ProSpec, an Oldcastle brand; ProColor Sanded Tile Grout:

2. Bonsal American, Inc: www.sakrete.com Bostik Inc: www.bostik-us.com. LATICRETE International, Inc; LATICRETE SpectraLOCK PRO Grout:

B. Substitutions: Must be submitted for approval C. Grout: Polymer modified cement grout, sanded or unsanded, as specified in ANSI A118.7. Colors: As scheduled.

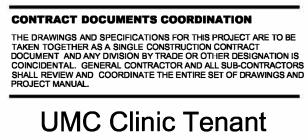
Existing windows without blinds or new windows the contractor shall install new 2" vinyl window blinds to match the existing blinds in the





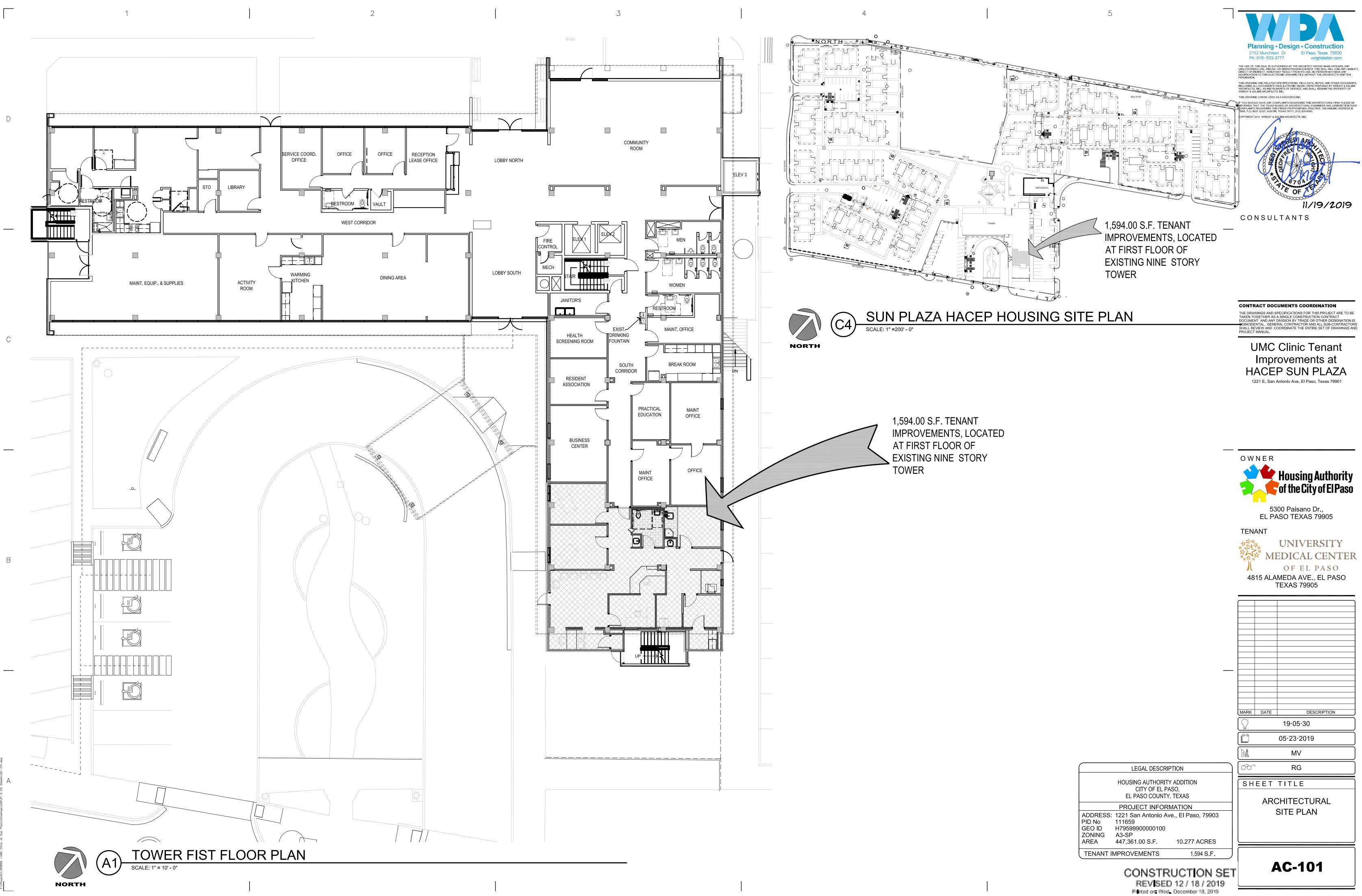


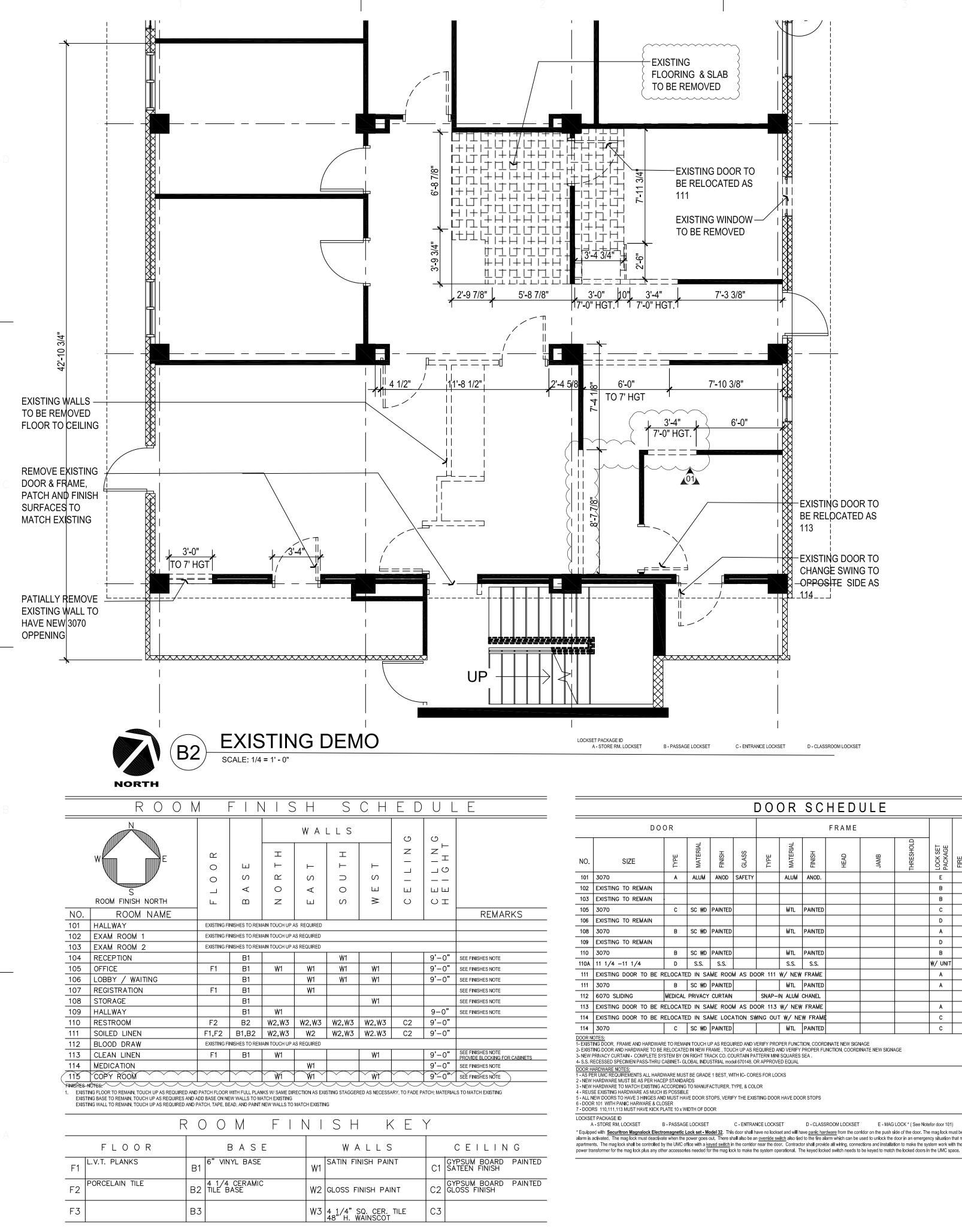
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Improvements at HACEP SUN PLAZA 1221 E. San Antonio Ave. El Paso, Texas 7990

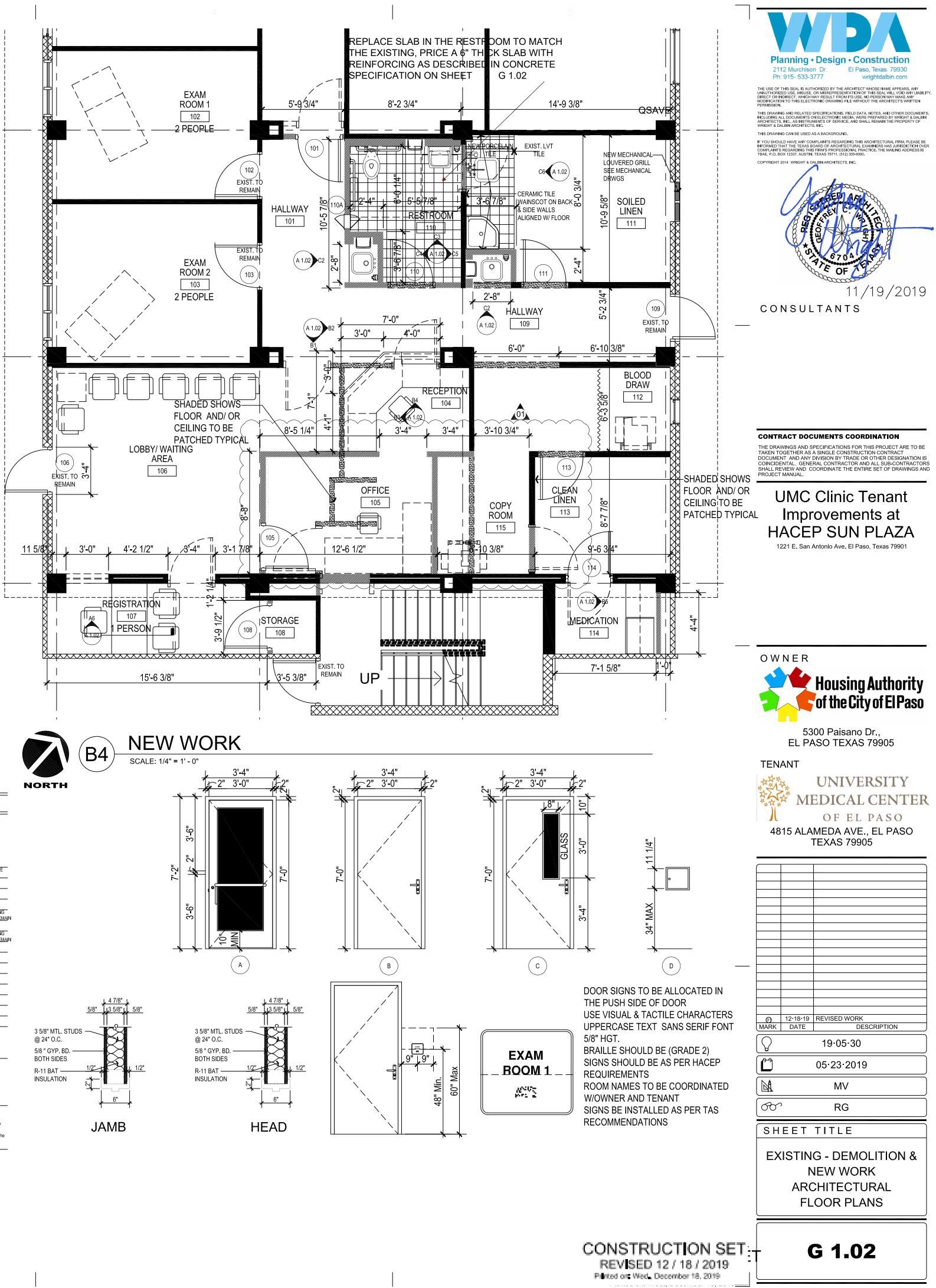
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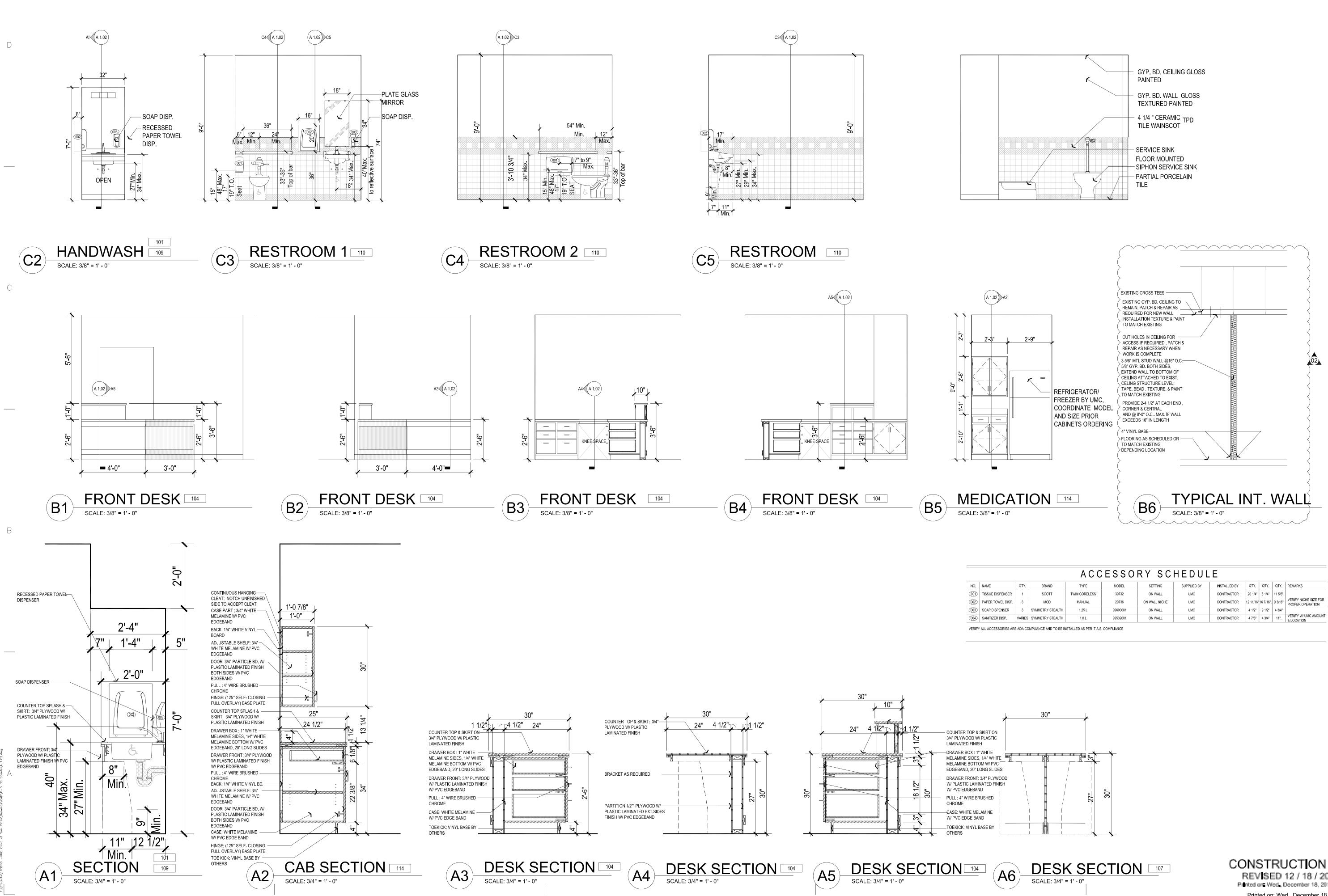




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	MATERIAL	FINISH	GLASS	ТҮРЕ	MATERIAL	FINISH	HEAD	JAMB	THRESHOLD	LOCK SET PACKAGE	FIRE RATING	LABEL	REMARKS
	ALUM	ANOD	SAFETY		ALUM	ANOD.				E			NOTE 6 W/ MAG LOCK,SEE
										В			DOOR NOTE 1
										В			DOOR NOTE 1
	SC WD	PAINTED			M⊤∟	PAINTED				С			
										D			DOOR NOTE 1 W/ EXISTING PANIC HARDWARE TO REMAIN
	SC WD	PAINTED			M⊤∟	PAINTED				A			
										D			DOOR NOTE 1 W/ EXISTING PANIC HARDWARE TO REMAIN
	SC WD	PAINTED			M⊤∟	PAINTED				В			
	S.S.	S.S.			S.S.	S.S.				W/ UNIT			DOOR NOTE 4
ATE	ED IN SA	Me rool	V AS DO	OR 111	₩/ NE₩	FRAME				A			DOOR NOTE 2
	SC WD	PAINTED			M⊤L	PAINTED				A			
AL	PRIVACY	CURTAIN		SNAP-I	n alum	CHANEL							DOOR NOTE 3
ATE	ED IN SA	Me rool	V AS DO	OR 113	W/ NEW	FRAME				A			DOOR NOTE 2
ATED IN SAME LOCATION SWING OUT W/ NEW FRAME				W FRAME				С			DOOR NOTE 2		
	SC WD	PAINTED			MTL	PAINTED				С			
ATE Y O	SC WD       PAINTED       C         MAIN TOUCH UP AS REQUIRED AND VERIFY PROPER FUNCTION, COORDINATE NEW SIGNAGE       C         TED IN NEW FRAME, TOUCH UP AS REQUIRED AND VERIFY PROPER FUNCTION, COORDINATE NEW SIGNAGE       CON RIGHT TRACK CO. COURTAIN PATTERN MINI SQUARES SEA .         ON RIGHT TRACK CO. COURTAIN PATTERN MINI SQUARES SEA .       CON RIGHT TRACK CO. COURTAIN PATTERN MINI SQUARES SEA .												

\* Equipped with Securitron Magnalock Electromagnetic Lock set - Model 32. This door shall have no lockset and will have panic hardware from the corridor on the push side of the door. The mag lock must be tied to the fire alarm and released when the fire alarm is activated. The mag lock must deactivate when the power goes out. There shall also be an override switch also tied to the fire alarm which can be used to unlock the door in an emergency situation that mag lock malfunctions on the exit side from the apartments. The mag lock shall be controlled by the UMC office with a keyed switch in the corridor near the door. Contractor shall provide all wiring, connections and installation to make the system work with the existing fire alarm. The contractor shall provide the





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CONTRACT DOCUMENTS COORDINATION

THE DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT ARE TO BE TAKEN TOGETHER AS A SINGLE CONSTRUCTION CONTRACT DOCUMENT AND ANY DIVISION BY TRADE OR OTHER DESIGNATION IS

COINCIDENTAL. GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL REVIEW AND COORDINATE THE ENTIRE SET OF DRAWINGS AND PROJECT MANUAL.

**UMC Clinic Tenant** 

Improvements at

HACEP SUN PLAZA

1221 E. San Antonio Ave. El Paso, Texas 79901

BRAND	TYPE	MODEL	SETTING	SUPPLIED BY	INSTALLED BY	QTY.	QTY.	QTY.	REMARKS
SCOTT	TWIN CORELESS	39732	ON WALL	UMC	CONTRACTOR	20 1/4"	6 1/4"	11 5/8"	
MOD	MANUAL	29736	ON WALL NICHE	UMC	CONTRACTOR	12 11/16"	16 7/16".	9 3/16"	VERIFY NICHE SIZE FOR PROPER OPERATION
ETRY STEALTH	1.25 L	99600001	ON WALL	UMC	CONTRACTOR	4 1/2"	9 1/2"	4 3/4"	
ETRY STEALTH	1.0 L	99532001	ON WALL	UMC	CONTRACTOR	4 7/8"	4 3/4"	11".	VERIFY W/ UMC AMOUN & LOCATION
E AND TO BE INSTALLED AS PER T.A.S. COMPLIANCE									

## CONSTRUCTION SET REV SED 12 / 18 / 2019

Panted on: Wed., December 18, 2019 Printed on: Wed., December 18, 2019



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## PLUMBING GENERAL NOTES

1. PLUMBING/FIRE PROTECTION GENERAL NOTES ARE APPLICABLE TO ALL PLUMBING SHEETS IN THIS PROJECT SET.

- 2. THE PLUMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE AND ADOPTED PROVISIONS OF THE FOLLOWING CODES:
- 2015 INTERNATIONAL EXISTING BUILDING CODE 2015 INTERNATIONAL BUILDING CODE
  - 2015 INTERNATIONAL PLUMBING CODE 2015 INTERNATIONAL MECHANICAL CODE
  - 2015 INTERNATIONAL FIRE CODE 2015 INTERNATIONAL FUEL CODE
  - 2015 INTERNATIONAL ENERGY CONSERVATION CODE
- AS ADOPTED AND INTERPRETED BY THE STATE OF TEXAS, CITY OF EL PASO, HACEP STANDARDS, AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) REGULATIONS, CURRENT ADOPTED EDITION REGARDING MECHANICAL /PLUMBING SYSTEMS FIRE PROTECTION AND ALARM SYSTEMS AND ELECTRICAL SYSTEMS ALL LABOR AND MATERIALS NECESSARY TO COMPLY WITH RULES. REGULATIONS AND ORDINANCES SHALL BE PROVIDED. WHERE THE DRAWINGS INDICATE MATERIALS OR CONSTRUCTION IN EXCESS OF CODE REQUIREMENTS, THE DRAWINGS SHALL GOVERN. THE CONTRACTOR SHALL HOLD AND SAVE THE OWNER, ARCHITECT AND ENGINEER FREE AND HARMLESS FROM LIABILITY OF ANY NATURE OR KIND ARISING FROM HIS FAILURE TO COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES.
- 3. THE CONTRACTOR SHALL COORDINATE WITH OWNER, ARCHITECT, ENGINEER ANY WORK THAT HAS THE POTENTIAL TO HINDER MECHANICAL AND PLUMBING SERVICES TO AREA OUTSIDE OF THIS CONTRACT. ALL SHUT-DOWNS OR TIE-INS RELATING TO THESE SYSTEMS SHALL BE SCHEDULED AND SUBMITTED IN WRITING AND TO BE APPROVED BY THE OWNER, ARCHITECT, AND THIS ENGINEER OFFICE, CONTRACTOR SHALL SUBMIT IN WRITING A SCHEDULE FOR PHASING OF CONSTRUCTION THAT INDICATES AREAS OF FIRST PRIORITY DURING EACH PHASE AND ANTICIPATED COMPLETION TIMES. SCHEDULES SHALL BE SUBMITTED A MINIMUM OF ONE WEEK PRIOR TO COMMENCING WORK. OWNER, ARCHITECT AND ENGINEER SHALL REVIEW THESE SCHEDULES AND NOTIFY CONTRACTOR OF ACCEPTANCE PRIOR TO COMMENCEMENT OF WORK
- 4. ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH CODES AND RULES, REGULATIONS AND ORDINANCES SHALL BE PROVIDED. WHERE THE DRAWINGS AND/OR SPECIFICATIONS INDICATE MATERIALS OR CONSTRUCTION IN EXCESS OF CODE REQUIREMENTS, THE DRAWINGS AND/OR SPECIFICATIONS SHALL GOVERN. THE CONTRACTOR SHALL HOLD AND SAVE THE OWNER, ARCHITECT AND ENGINEERS FREE AND HARMLESS FROM LIABILITY OF ANY NATURE OR KIND ARISING FORM HIS FAILURE TO COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES.
- 5. BIDDERS SHALL VISIT THE SITE AND SHALL BE RESPONSIBLE FOR HAVING ASCERTAINED PERTINENT LOCAL CONDITIONS SUCH AS LOCATION, ACCESSIBILITY AND GENERAL CHARACTER OF THE SITE, THE CHARACTER AND EXTENT OF THE WORK WITHIN THE BUILDING AND TO BECOME FAMILIAR WITH ALL OTHER WORK TO BE PERFORMED AT THIS TIME. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO CONTRACTOR'S FAILURE TO DETERMINE ALL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED.
- 6. BEFORE YOU DIG ALL EXISTING UTILITIES I.E. WATER, SEWER, GAS, FIRE LINE, ELECTRICITY, TELEPHONE, CABLE, IRRIGATION LINES, SHALL BE LOCATED AND CLEARLY MARKED IN ORDER TO AVOID UNNECESSARY SHUT DOWNS AND EMERGENCY. CONTRACTOR SHALL COORDINATE INSTALLATION OF NEW WATER TAP AND WATER MAIN, NEW SEWER TAP AND SEWER MAIN. AND ANY REQUIRED FIRE PROTECTION TAP AND WATER MAIN WITH EL PASO WATER UTILITY AND NATURAL GAS TAP AND GAS MAIN PIPING FOR FACILITY WITH TEXAS GAS.
- 7. EACH CONTRACTOR SHALL GIVE ALL REQUISITE NOTICES, OBTAIN AND PAY FOR ALL PERMITS, DEPOSITS AND FEES (INCLUDING UTILITY CONNECTIONS FEES, ANY UTILITY EXTENSION FEES, TAP FEES, DEVELOPMENT FEES, AND IMPACT FEES) NECESSARY FOR THE INSTALLATION OF WORK UNDER THESE NOTES. TWO (2) COPIES OF CERTIFICATES OF APPROVAL SHALL BE OBTAINED FROM ALL AUTHORITIES ISSUING SAME AND SHALL BE TURNED OVER TO OWNER, ARCHITECT, ENGINEER PRIOR TO FINAL ACCEPTANCE OF THE WORK.
- REQUIRED INSURANCE SHALL BE PROVIDED BY THIS CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF WORK. CONTRACTOR SHALL SECURE AND PAY ALL PERMITS, FEES, INSPECTIONS, AND TESTS UNLESS OTHERWISE INDICATED. COORDINATE WITH ARCHITECT, ENGINEER, AND OWNER. SUBSTITUTIONS REQUESTED BY THE CONTRACTOR SHALL BE PAID FOR BY THE CONTRACTOR.
- 9. ALL WORK SHALL CONFORM WITH FEDERAL, STATE, AND LOCAL CODES, RULES, AND REGULATIONS. ALL WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE SYSTEMS SHALL BE INSTALLED COMPLETE AND FULLY OPERATIVE UNLESS OTHERWISE INDICATED
- 10. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND PROVIDE A WRITTEN REPORT TO THE ARCHITECT AND THE ENGINEERING OFFICES. THIS REPORT SHALL DESCRIBE EXISTING DAMAGE OR OTHER CONDITIONS THAT MAY INTERFERE WITH THIS PROPOSED NEW WORK. THIS SITE SURVEY SHALL ALSO INCLUDE VERIFICATION OF SIZES, LOCATIONS, AND CONDITIONS OF EXISTING UTILITIES. QUESTIONS REGARDING THESE DRAWINGS SHALL BE ADDRESSED TO THE ENGINEER PRIOR TO THE AWARDING OF THE CONTRACT. OTHERWISE THE ENGINEER'S INTERPRETATION OF THE MEANING AND INTENT OF THE DRAWINGS SHALL BE FINAL.
- 11. DURING CONSTRUCTION IF THE CONTRACTOR ENCOUNTER AND DAMAGES THE EXISTING UNDERGROUND INFRASTRUCTURE THE CONTRACTOR SHALL REPAIR THE INFRASTRUCTURE AT NO ADDITIONAL COSTS TO THE OWNER. WHERE STRUCTURE IS ALTERED OR DAMAGES DURING CONSTRUCTION, INSTALLATION AND REMOVAL OF EQUIPMENT OR FIXTURES. THE CONTRACTOR SHALL REPAIR THE AREA TO MATCH SURROUNDING ARFA PER ARCHITECTURAL SPECIFICATIONS CUTTING, TRENCHING AND PENETRATIONS THROUGH FIRE WALL, CONCRETE AND OTHER STRUCTURES ARE A PART OF THIS PROJECT SCOPE AND SHALL BE INCLUDED IN THE CONTRACTOR'S BID. ALL EXCAVATION AND BACKFILLING REQUIRED FOR PLUMBING WORK IS ALSO INCLUDED AS PART OF THIS CONTRACT AND SHALL BE INCLUDED IN CONTRACTOR'S BID.
- 12. ALL SYSTEMS AND COMPONENTS SHALL BE APPROVED FOR THE PURPOSE FOR WHICH INSTALLED. ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND FROM ESTABLISHED AMERICAN SUPPLIERS UNLESS OTHERWISE INDICATED.
- 13. ALL EQUIPMENT PARAMETERS SHOWN ARE FOR PERFORMANCE AT SITE ALTITUDE. SUPPLIERS SHALL SELECT AND DEMONSTRATE THAT THEIR EQUIPMENT MEETS THE DESIGN CONDITIONS AT SITE ALTITUDE.
- 14. PLUMBING CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR THE ELECTRICAL REQUIREMENTS, INCLUDING POWER, CONTROL, COMMUNICATION, AND MONITORING, OF EACH DEVICE PROVIDED AND/OR INSTALLED BY PLUMBING CONTRACTOR
- 15. SUPPORT SYSTEM FOR PIPING MATERIALS AND EQUIPMENT SUPPORTED BY THE BUILDING STRUCTURE SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER AND ARCHITECT FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION. NO WIRE OR PERFORATED STRAP WILL BE PERMITTED FOR ANY HANGER OR SUPPORT.
- 16. CONTRACTOR SHALL NOT CUT, DRILL, OR ALTER ANY ELEMENT OF A WALLS, FLOORS CEILINGS, ROOFS, AND SLABS WITHOUT FIRST RECEIVING INSTRUCTIONS FROM ARCHITECT, ENGINEER. ALL CUTS SHALL BE MADE WITH A CUTTING TOOL.
- 17. PATCHING OR SEALING OF CUTS AND PENETRATIONS SHALL BE DONE BY CONTRACTOR PER INSTRUCTIONS FROM AND TO FINAL APPROVAL OF ARCHITECT AND ENGINEER. COORDINATE WITH GENERAL CONTRACTOR.
- 18. CONTRACTOR SHALL FIELD VERIFY CONDITION OF EXISTING EQUIPMENT AND PROVIDE NECESSARY COMPONENTS TO ASSEMBLE AND TO START-UP COMPLETE AND FULLY OPERATIONAL SYSTEMS.
- 19. BEFORE INSTALLATION, EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, ANY DEVICE WITH ELECTRICAL CONNECTIONS, DUCTWORK, INSULATION, PIPING, VALVES, AND AIR DEVICES SHALL NOT BE STORED DIRECTLY ON GRADE OR ON A SLAB OR FLOOR. BEFORE AND AFTER INSTALLATION, SUCH EQUIPMENT AND DEVICES SHALL BE PROTECTED FROM ENTRY OF DIRT, TRASH WATER (EXCEPT AS REQUIRED), VERMIN.
- 20. CONTRACTOR SHALL COORDINATE ACTUAL LOCATIONS OF PIPING RUNS AND VALVE LOCATIONS WITH AIR DEVICES, DUCTWORK. LIGHTS. CEILING PANELS. JOIST SPACING AND ARCHITECTURAL FLOOR PLANS AND REFLECTED CEILING PLAN (REF. ELECTRICAL PLANS AND ARCHITECTURAL PLANS).
- 21. FOR OUTDOOR EQUIPMENT ON GRADE AND INDOOR FLOOR MOUNTED EQUIPMENT, THE CONTRACTOR SHALL CONSTRUCT LEVEL 3000 PSI CONCRETE(28 DAY COMPRESSIVE STRENGTH) SLABS WITH FINISHED EDGES, WIRE REINFORCED MINIMUM 6X6 W1.4/1.4 OR HEAVIER PER ASTM A185, MINIMUM 3 1/2" THICK, AND MINIMUM 6" LARGER ON ALL SIDES THAN THE EQUIPMENT BEING SUPPORTED. THE PAD SHALL BE HAVE 2 COATS OF EPOXY SEALANT TO SEAL THE PAD.
- 22. PROVIDE THE OWNER WITH THREE (3) COPIES OF ALL INSTALLATIONS INSTRUCTIONS, PRODUCT DATA SUBMITTAL INFORMATION, WARRANTIES, CONTACT INFORMATION DURING WARRANTY PERIOD AND BALANCING REPORTS IN 3-RING BINDERS.
- 23. OPERATING TESTS AND CLEANING PROCEDURES SHALL BE PERFORMED AND REPORTS SHALL BE ISSUED PER CODE REQUIREMENTS, MANUFACTURER'S RECOMMENDATIONS.
- 24. PIPING ROUTED ON THE ROOF SHALL BE SUPPORTED BY FACTORY MADE PIPE SUPPORTS PER MANUFACTURER'S RECOMMENDATIONS
- 25. CONTRACTOR SHALL PROVIDE AND INSTALL IDENTIFICATION TAGS FOR EQUIPMENT AND PIPING PER OWNER STANDARDS, SPECIFICATIONS, AND ASME 13.1 SCHEME OF IDENTIFICATION FOR PIPING.
- 26. LOCATIONS OF ROOF, CEILING, AND ATTIC PLUMBING AND MECHANICAL EQUIPMENT ARE APPROXIMATE AS SHOWN. PLUMBING CONTRACTOR SHALL FIELD ADJUST AS REQUIRED.
- 27. CONTRACTOR SHALL TAKE PRECAUTIONS PER THE ARCHITECT'S INSTRUCTIONS TO PROTECT EXISTING TREES AND /OR OTHER SITE VEGETATION.
- 28. THE MECHANICAL/PLUMBING CONTRACTOR SHALL PROVIDE AND HAVE INSTALLED ANY ACCESS DOOR REQUIRED TO ACCESS MECHANICAL OR PLUMBING EQUIPMENT THAT REQUIRES ACCESS BEHIND GYPBOARD OR HARD CEILINGS AND IN WALLS. THE MECHANICAL/PLUMBING CONTRACTOR SHALL PROVIDE THE GENERAL CONTRACTOR WITH THESE ACCESS DOORS FOR INSTALLATION IN THE CEILING OR WALL. ACCESS DOORS SHALL BE RATED FOR THE WALL, FLOOR, OR CEILING TYPE AND SHALL BE A MINIMUM SIZE OF 12"X12" OR PER SIZE INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS.
- 29. ALL MATERIAL INSTALLED IN CEILING SPACE SHALL BE NONCOMBUSTIBLE PLENUM RATED MATERIALS. 30. CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ALTERNATES AND

ALLOWANCES FOR THIS PROJECT.

- 31. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL UNDERGROUND PIPING WITH THE LANDSCAPE, IRRIGATION, AND ARCHITECTURAL SITE DRAWINGS.
- 32. ALL PIPING, PLUMBING AND DUCTWORK OPENINGS SHALL BE CAPPED DURING DEMOLITION AND CONSTRUCTION.

DURING THE COURSE OF THE JOB, THE ENGINEER WILL MAKE SITE VISITS TO OBSERVE WORK IN PROGRESS AND WILL SUBSEQUENTLY PREPARE A WRITTEN SITE VISIT REPORT, WHICH WILL BE SENT TO THE CONTRACTOR AND TO WHOMEVER ELSE THE ENGINEER DESIRES. THE CONTRACTOR SHALL PREPARE A WRITTEN AND TYPED RESPONSE WITHIN SEVEN (7) CALENDAR DAYS OF HIS RECEIVING THE SITE VISIT REPORT. THE CONTRACTORS SHALL ACCOMPANY THE ENGINEER DURING THIS FINAL PUNCHLIST VISIT UPON THE REQUEST OF THE ENGINEER. HE GENERAL CONTRACTOR SHALL INCLUDE IN HIS RESPONSE THE FOLLOWING INFORMATION. A. DATE OF SITE VISIT BY THE ENGINEER.

- 3. DATE OF RECEIPT OF THE SITE VISIT REPORT. NAME AND TITLE OF THE PREPARER OF THE RESPONSE,
- AN ITEM NUMBER REFERENCED TO THE SITE REPORT. A BRIEF THREE OR FOUR WORD DESCRIPTION OF THE ITEM,
- THE CONTRACTOR OR SUBCONTRACTOR AFFECTED, THE PROPOSED COURSE OF ACTION, AND
- H. AN EXPECTED TIME OF COMPLETION OF THE ACTION.

33. SITE VISIT REPORTS

FINAL PUNCH REPORTS AT THE COMPLETION OF THE JOB, THE ENGINEER WILL MAKE PUNCHLIST SITE VISITS TO OBSERVE COMPLETED WORK AND WILL SUBSEQUENTLY PREPARE A WRITTEN SITE VISIT PUNCHLIST REPORT, WHICH WILL BE SENT TO THE CONTRACTOR AND TO WHOMEVER ELSE THE ENGINEER DESIRES. THE CONTRACTOR UPON COMPLETION OF THE LISTED PUNCHLIST ITEMS SHALL PREPARE A TYPE WRITTEN RESPONSE TO THE LIST INDICATING COMPLETION OF EACH ITEM. THE CONTRACTOR SHALL INCLUDE IN HIS RESPONSE THE RESOLUTION OF EACH ITEM. THE CONTRACTORS SHALL ACCOMPANY THE ENGINEER DURING THIS FINAL PUNCHLIST VISIT UPON THE REQUEST OF THE ENGINEER.

- THE CONTRACTOR SHALL CLEAN OUT ALL UNDERGROUND SEWER LINES WITH EITHER HIGH-PRESSURE WATER OR WITH SEWER SNAKE. THE CONTRACTOR SHALL VERIFY THAT ALL UNDERGROUND SEWER LINES ARE CLEAN AND CLEAR OF FOREIGN MATERIAL AND SHALL PROVIDE DOCUMENTATION THAT THIS SEWER LINE CLEANING HAS BEEN ACCOMPLISHED AND SHALL INCLUDE SUCH INFORMATION IN THE OWNER AND ARCHITECT.
- SUBSTITUTED PRODUCTS A. MATERIAL OR EQUIPMENT SPECIFIED BY MANUFACTURER?S NAME IS BEING USED AS A BASIS OF STANDARD. 52. FIRE PROTECTION GENERAL NOTES ARE APPLICABLE TO ALL SHEETS IN THIS PROJECT SET. NO SUBSTITUTION IS ALLOWABLE WITHOUT ENGINEER?S WRITTEN APPROVAL TEN (10) DAYS PRIOR TO BID DUE DATE UNLESS THE MANUFACTURER IS LISTED ON THE DRAWINGS OR IN THE SPECIFICATION AS BEING A PREAPPROVED ALTERNATIVE MANUFACTURER. ANY SUBMITTAL RECEIVED WITHOUT SUCH WRITTEN APPROVAL OR PRIOR APPROVAL IS SUBJECT TO UNQUALIFIED REJECTION.
- B. IT SHALL BE THE CONTRACTOR?S RESPONSIBILITY TO VERIFY THAT SUBMITTED SUBSTITUTE EQUIPMENT WILL FIT IN SPACE AVAILABLE. THE CONTRACTOR?S SUBMITTAL FOR ACCEPTANCE OF THE SUBSTITUTE SHALL INCLUDE A WRITTEN STATEMENT OF WHETHER OR NOT SUCH ACCEPTANCE WOULD REQUIRE ANY SUBSEQUENT OR ASSOCIATED CHANGES TO THE DRAWINGS OR SPECIFICATIONS. ANY SUCH CHANGES
- SHALL BE DESCRIBED IN WRITING. BRIEFLY BUT COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COSTS OF ANY SUCH MODIFICATIONS DUE TO SUBSTITUTION OF MATERIALS OR EQUIPMENT FOR THAT WHICH WAS SPECIFIED OR SCHEDULED. THE COST
- D. THE ENGINEER MAY REQUEST DETAILED SHOP DRAWING OR PLAN LAYOUTS OF MECHANICAL ROOMS OR SYSTEMS OF THE SUBSTITUTED FOUIPMENT.
- SHOULD A SUBSTITUTION BE APPROVED BY THE ENGINEER (BASED UPON THE SUBSTITUTION SUBMITTAL REVIEW) AND ACCEPTED, AND SHOULD THE SUBSTITUTE MATERIAL OR EQUIPMENT PROVE DEFECTIVE, NOT
- MEETING DESIGN PARAMETERS, OR OTHERWISE UNSATISFACTORY FOR THE SERVICE INTENDED WITHIN THE GUARANTEE PERIOD, THIS MATERIAL OR EQUIPMENT SHALL BE REPLACED WITH THE MATERIAL OR EQUIPMENT SPECIFIED AT NO ADDITIONAL COST TO THE OWNER.
- 37. SUBMITTAL REQUIREMENTS
  - A. THE INTENT OF THIS SECTION IS TO GIVE GENERAL SUBMITTAL INFORMATION, REFER TO SPECIFIC SUBMITTAL THE FIRE PROTECTION ZONES AND THEIR OCCUPANCY TYPES FOR THIS BUILDING SHALL BE DEFINED BY THE FIRE INFORMATION IN THE SUBSEQUENT ELECTRICAL SECTIONS. PROTECTION CONTRACTOR, ARCHITECT AND OTHERS. THE FIRE PROTECTION CONTRACTOR SHALL COORDINATE B. WITHIN 10 DAYS AFTER AWARD OF THE CONTRACT, AND BEFORE ORDERS ARE PLACED, CONTRACTOR SHALL WITH ARCHITECTURAL, STRUCTURAL, AND OTHER CONSULTANTS TO PROPERLY PROTECT EACH ZONE TYPE. SUBMIT SPECIFIC INFORMATION ON LIST OF EQUIPMENT AND PRINCIPAL MATERIALS SPECIFIED. CONTRACTOR IT IS THE RESPONSIBILITY OF THE FIRE PROTECTION CONTRACTOR TO VERIFY THAT ALL FIRE PROTECTION SHALL INDICATE AND/OR PROVIDE NAMES OF MANUFACTURERS, CATALOG AND MODEL NUMBERS, CUT SHEETS, AND SUCH OTHER SUPPLEMENTARY INFORMATION AS NECESSARY FOR EVALUATION. MINIMUM OF COMPONENTS AND SYSTEMS COMPLY WITH APPLICABLE CITY, STATE, AND FEDERAL FIRE PROTECTION CODES AND SIX (6) COPIES, OR AS DIRECTED BY THE ENGINEER, OF EACH SHALL BE SUBMITTED AND SHALL INCLUDE ALL TEMS MENTIONED BY MODEL NUMBER AND/OR MANUFACTURER'S NAME IN THE SPECIFICATIONS OR IN
  - SCHEDULES ON THE DRAWINGS. REQUIREMENTS FOR EACH SUBMITTAL:
  - BEAR A DATED STAMP OR SPECIFIC WRITTEN INDICATION THAT THE CONTRACTOR HAS REVIEWED AND APPROVED ALL SUBMITTAL PRIOR TO SUBMISSION TO ENGINEER.
  - CONSTRUCTION OR TO FABRICATION, ASSEMBLY, INSTALLATION, OR ERECTION (APPROVAL BY ENGINEER SHALL NOT EXTEND TO THESE AREAS UNLESS SPECIFICALLY NOTED BY ENGINEER).

  - BE CLEARLY AND SPECIFICALLY MARKED AS TO WHICH SPECIFIC PIECE OF EQUIPMENT IS BEING 59. WHERE STRUCTURE IS ALTERED OR DAMAGED DURING CONSTRUCTION, INSTALLATION AND REMOVAL OF EQUIPMENT SUBMITTED, BY USE OF A PERMANENT MARKER, STAMP, ETC., SO AS TO DISTINGUISH IT FROM OTHER OR FIXTURES, THE CONTRACTOR SHALL REPAIR THE AREA TO MATCH SURROUNDING AREA PER SPECIFICATIONS. PIECES OF EQUIPMENT THAT MAY OCCUR ON THE SAME PAGE. CUTTING, TRENCHING, AND PENETRATIONS THROUGH FIRE WALL, CONCRETE AND OTHER STRUCTURES ARE A PART 4. BE CLEARLY AND SPECIFICALLY MARKED AS TO WHICH AVAILABLE OPTIONS ARE BEING SUBMITTE OF THIS PROJECT SCOPE AND SHALL BE INCLUDED IN THE CONTRACTOR'S BID. ALL EXCAVATION AND BACKFILLING THAT ARE ASSOCIATED WITH A PIECE OF EQUIPMENT. AND BE COMPLETE WITH RESPECT TO REQUIRED FOR ELECTRICAL WORK IS ALSO INCLUDED AS PART OF THIS CONTRACT AND SHALL BE INCLUDED IN QUANTITIES, DIMENSIONS, SPECIFIC PERFORMANCE, MATERIALS, AND SIMILAR DATA TO ENABLE THE CONTRACTOR'S BID. ENGINEER TO REVIEW THE PROPOSED EQUIPMENT. OMISSION BY CONTRACTOR OF ANY OF THE ABOVE REQUIREMENTS OR SUBMITTALS WILL SUBJECT THE HIGH RISE BUILDING HAS ONE (1) DRY STAND PIPE SYSTEMS SERVING THE BUILDING. THE WEST DRY STAND
  - SUBMITTAL TO AUTOMATIC REJECTION WITHOUT REVIEW.
  - DESIGN SPECIFICATION REQUIREMENTS SHALL BE PROVIDED IN WRITTEN FORM. OMISSION BY CONTRACTOR OF ANY OF THE ABOVE REQUIREMENTS OR SUBMITTALS WILL SUBJECT
  - SUBMITTAL TO AUTOMATIC REJECTION WITHOUT REVIEW. 8. ANY SUBMITTALS RECEIVED BY ENGINEER THAT WERE NOT REQUESTED SHALL BE RETURNED WITHOUT 61. THE HIGH RISE BUILDING HAS TWO (2) WET FIRE SPRINKLER STAND PIPE CONNECTIONS SERVING THE BUILDING WITH REVIEW OF ANY KIND. SUBMITTALS SHALL INDICATE MINIMUM ACCESS AND SERVICE CLEARANCES IF EACH CONNECTING TO THE MAIN FIRE SPRINKLER RISER. THE WEST WET SPRINKLER CONNECTION IS LOCATED AT REQUIRED BY THE SUBMITTED EQUIPMENT THE SOUTHWEST CORNER OF THE BUILDING CONNECTION AND CONNECTS TO THE FIRE SPRINKLER RISER AT THE FIRST FLOOR. THE EAST WET SPRINKLER CONNECTION IS LOCATED AT THE SOUTHEAST CORNER OF THE BUILDING AND CONNECTS TO THE FIRE SPRINKLER MAIN IN THE BASEMENT.
  - D. INSTALLATION INSTRUCTIONS FOR CERTAIN PRODUCTS OR SYSTEMS AS IDENTIFIED IN SUBSEQUENT SPECIFICATIONS SECTIONS OR ON THE DRAWINGS, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE COPIES OF MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH THE SUBMITTAL. WHEN REQUIRED AS SUCH, THE INSTALLATION INSTRUCTIONS ARE CONSIDERED PART OF THE SUBMITTAL AND THEIR OMISSION MAY 62. BUILDING IS TO HAVE NEW FIRE PUMP ASSEMBLY TO BE CONNECTED TO THE EXISTING FIRE SPRINKLER SYSTEM RESULT IN AUTOMATIC REJECTION OF THE SUBMITTAL, WHERE MORE THAN ONE IDENTICAL DEVICE ARE AND BE INSTALL IN THE BASEMENT MECHANICAL ROOM. FIRE PUMP ASSEMBLY TO BE SIZED IN ACCORDANCE WITH SCHEDULED, ONLY ONE SET OF INSTALLATION INSTRUCTIONS NEEDS TO BE SUBMITTED, E.G. IF SEVEN EXISTING FIRE SPRINKLER SYSTEM. NEPA AND CITY CODE STANDARDS. SYSTEM IS TO INCLUDE AT A MINIMUM: PRIMARY FIRE PUMP, JOCKEY PUMP, FIRE CONTROLLER PANEL, TEST HEADER AND PIPING, ELECTRICAL CONTROL WATERCLOSETS ARE SCHEDULED, ONLY ONE OF EACH TYPE INSTALLATION INSTRUCTION NEEDS TO BE SUBMITTED. SIMILARLY, IF ONE SET OF INSTALLATION INSTRUCTIONS IS IDENTIFIED BY THE MANUFACTURER PANEL, AND AUTOMATIC TRANSFER ELECTRICAL POWER PANEL FOR EMERGENCY AND NORMAL POWER. AND ON THE INSTRUCTIONS TO BE APPLICABLE TO MORE THAN ONE TYPE OR SIZE OF DEVICES, E.G. IF ONE COORDINATE ELECTRICAL AND FIRE ALARM CONNECTIONS WITH THE RESPECTIVE CONTRACTOR.
- SET OF WATERCLOSET INSTRUCTIONS IS GOOD FOR EACH TYPE OF WATERCLOSETS, THEN ONLY ONE INSTRUCTION SET IS REQUIRED FOR THESE DEVICES. THIS ENGINEER WILL REVIEW THE SUBMITTALS FOR APPROVAL TWICE. ANY ADDITIONAL REVIEWS THAT ARE REQUIRED BY THE ENGINEER FOR WHATEVER REASON AFTER THE INITIAL TWO REVIEWS WILL RESULT IN ADDITIONAL COMPENSATION FOR THE ENGINEER'S TIME BY THE SUBMITTING CONTRACTOR AT THE
- ENGINEER'S RATE. 38. REQUIRED SHOP DRAWING SUBMITTALS
- A. PLUMBING FIXTURES (AS NOTED IN PLUMBING FIXTURE SCHEDULE) B. PIPING MATERIALS, FITTINGS, AND SOLDER
- PIPING INSULATION INCLUDING JACKETING PIPING SUPPORTS AND HANGERS
- E. FIRE PROTECTION SPRINKLER SYSTEM INCLUDING DRAWINGS, HYDRAULIC CALCULATIONS, AND EQUIPMENT AND FIRE PUMP SUBMITTALS.
- PLUMBING 39. SEE PLUMBING FIXTURE SCHEDULE FOR SIZES OF CONNECTIONS TO INDIVIDUAL FIXTURES. ALL PLUMBING FIXTURES, PIPING, FITTINGS, AND EQUIPMENT SHALL BE LEAD FREE PER THE REDUCTION OF LEAD IN DRINKING WATER ACT 2014
- 40. CONTRACTOR SHALL ROUTE PRIMARY CONDENSATE DRAIN AS INDICATED ON THE DRAWINGS. PIPE SIZE SHALL BE MINIMUM 3/4" FROM EACH AIR HANDLER UNLESS NOTED OTHERWISE.
- 41. PROVIDE ISOLATION VALVES IN CW AND HW PIPING AS NEEDED OR AS SHOWN FOR ALL GROUPS OF FIXTURES.
- 42. ALL PVC PLUMBING TRAPS LOCATED BELOW SLAB OR IN CONCEALED PLACES SHALL BE THE DEEP SEAL TYPE.
- 43. UNDERGROUND COLD, HOT AND RECIRCULATION WATER PIPING SHALL BE PER MINIMUM PIPE MATERIAL REQUIREMENTS SCHEDULE ABOVE GROUND COLD, HOT AND RECIRCULATION WATER PIPING SHALL BE PER MINIMUM PIPE MATERIAL REQUIREMENTS SCHEDULE
- 44. SEWER AND VENT PIPING BELOW GRADE SHALL BE HUB AND SPIGOT PVC. ABOVE GRADE SEWER AND VENT PIPING SHALL BE NO-HUB PVC SOLVENT WELDED.
- 45. ABOVE GROUND HOT WATER AND CONDENSATE PIPING SHALL BE INSULATED WITH 1" FIBERGLASS INSULATION WITH VAPOR BARRIER PER PIPE INSULATION SCHEDULE AS INDICATED ON THE DRAWINGS. PIPING EXPOSED TO THE EXTERIOR SHALL BE HAVE A METAL JACKET PER THE PIPE INSULATION SCHEDULE. HANGERS AND SUPPORTS SHALL BE IN ACCORDANCE WITH MSS-SP58, MSS-SP69, AND MSS-SP89.
- 46. CONDENSATE DRAIN PIPING SHALL BE PER MINIMUM PIPE MATERIAL REQUIREMENTS SCHEDULE
- 47. PROVIDE EACH COLD AND HOT WATER SYSTEM A MINIMUM OF ONE WATER HAMMER ARRESTOR (SA-1) FOR EACH APARTMENT GROUP OF FIXTURES AS INDICATED ON THE DRAWINGS.
- 48. PROVIDE 1/4" AUTOMATIC AIR VENTS WITH ISOLATION QUARTER TURN VALVE ON COLD AND HOT WATER PIPING AT APARTMENT TAP OFF AS INDICATED ON THE DRAWINGS.
- 49. TESTS: A. TESTS SHALL BE COMPLETE PRIOR TO FINAL INSPECTION AND PRIOR TO COVERING WITH INSULATION AND/OR B. ALL TESTS SHALL BE WITNESSED AND APPROVED BY THE ENGINEER AND THE LOCAL AUTHORITY HAVING JURISDICTION BEFORE COVERING OR INSULATING. PROVIDE ENGINEER WITH A MINIMUM OF 48 HOUR
  - WRITTEN NOTICE PRIOR TO ANY TESTING. C. TEST ALL NEW VENT AND WASTE LINES WITH STANDING WATER TEST OF 12 FEET OF HEAD. TEST TO BE HELD
  - FOR A MINIMUM OF SIX (6) HOURS.
  - D. HYDRAULICALLY TEST ALL NEW DOMESTIC COLD, HOT, AND RECIRCULATING HOT WATER SERVICE LINES AT 200 PSIG. TEST TO BE HELD FOR A MINIMUM OF SIX (6) HOURS. E. THE SATISFACTORY OPERATION OF BLOWERS, PUMPS AND OTHER EQUIPMENT WITH MOVING PARTS SHALL BE DEMONSTRATED TO THE CONSTRUCTION MANAGER. FOUIPMENT WITHOUT MOVABLE PARTS SHALL HAVE PRESSURE OR OTHER TESTS PERFORMED BY THE CONTRACTOR TO DEMONSTRATE SATISFACTORY
  - FURNISH ALL INSTRUMENTS, PUMPS, BLOWERS AND EQUIPMENT REQUIRED FOR THE TESTING. G. PROVIDE WRITTEN APPROVED COPIES OF THESE TEST REPORTS FOR INCLUSION ON THE OPERATIONS AND MAINTENANCE MANUALS.

- HALL BE COMPLETE, THAT IS, IT SHALL INCLUDE THE COST EFFECT OF ANY AND ALL OTHER TRADES.
- HAVE ALL INFORMATION DELETED BY CONTRACTOR THAT PERTAINS TO THE MEANS AND METHODS OF
- BE CLEARLY AND SPECIFICALLY MARKED AS TO ANY AND ALL SUBMITTAL DEVIATIONS FROM THE

- 50. DOMESTIC WATER REDUCED PRESSURE BACKFLOW PREVENTER (RPBP) MANUFACTURERS: WILKINS/ZURN MODEL 375
  - WATTS MODEL 909. FEBCO MODEL 825. BEECO MODEL 12.
- E. BACKFLOW PREVENTER TO BE THE SAME SIZE AS THE WATER MAIN.
- 2 INCH AND OVER: ANSI/ASSE 1015, AND AWWA C506, CAST IRON BODY WITH BRONZE INTERNAL PARTS AND STAINLESS STEEL SPRINGS; TWO INDEPENDENTLY OPERATING, SPRING LOADED CHECK VALVES; DIAPHRAGM TYPE DIFFERENTIAL PRESSURE RELIEF VALVE LOCATED BETWEEN CHECK VALVES; THIRD CHECK VALVE THAT OPENS UNDER BACK PRESSURE IN CASE OF DIAPHRAGM FAILURE; NON- THREADED VENT OUTLET; ASSEMBLED WITH TWO GATE OS&Y VALVES, STRAINER, AND FOUR TEST COCKS.
- BACKFLOW PREVENTER EXTERIOR ENCLOSURE: MANUFACTURERS:
- A. HOT BOX HOT ROK. HYDROCOWL. SAFE-T-COVER
- IF BACKFLOW PREVENTER IS INSTALLED OUTSIDE THE UNIT SHALL BE ENCLOSED IN AN INSULATED ENCLOSURE PER ASSE 1060. ENCLOSURE ROOF, WALL AND PANELS SHALL BE CONSTRUCTED OF ALUMINUM WITH ALUMINUM OR FIBERGLASS STRUCTURAL MEMBERS. MULTI-SECTION ENCLOSURE SHALL USED TONGUE AND GROOVE JOINTS. ENCLOSURE SHALL BE SECURELY ATTACHED TO A CONCRETE BASE WITH ADJUSTABLE INTERIOR STAINLESS STEEL ANCHORS, UNIT SHALL BE INSULATED WITH POLYISOCYANURATE FOAM LAMINATED TO THE PANELS. THE WALLS SHALL BE A MINIMUM 1-1/2? THICK AND ROOF SHALL BE A MINIMUM 3? THICK. ACCESS PANELS SHALL BE REMOVABLE TO ALLOW ACCESS FOR OPERATION, MAINTENANCE AND TEST OF BACKFLOW PREVENTER. ACCESS PANELS SHALL BE SECURED WITH PADLOCK HASP AND STAPLES. MOUNTING HARDWARE SHALL BE FURNISHED AND BE STAINLESS STEEL.
- 53. THE EXISTING FIRE PROTECTION SPRINKLER SYSTEMS ARE TO BE MODIFIED, REPLACED, AND EXTENDED FOR THE ENTIRE NEW HIGH RISE BUILDING LAYOUT AND ARE FOR COORDINATION AND BIDDING ONLY. THE INFORMATION SHOWN DOES NOT NECESSARILY REPRESENT THE REQUIRED FINAL PROTECTION SPRINKLER SYSTEM LAYOUT REQUIREMENTS. THE FINAL FIRE PROTECTION SPRINKLER SYSTEM LAYOUT IS TO BE SUBMITTED FOR PERMIT PURPOSES, AT A LATER DATE BY LICENSED FIRE PROTECTION SPRINKLER SYSTEM INSTALLER. THE FIRE PROTECTION SPRINKLER SYSTEM LAYOUT SHOWN IS TO BE VERIFIED WITH THE LICENSED INSTALLER PRIOR TO INSTALLATION OF PIPING, VALVES, AND SPRINKLERS HEADS. THE FINAL LOCATION OF ALL SPRINKLER HEADS (EXISTING AND NEW), AND ANY OTHER FIRE PROTECTION SPRINKLER EQUIPMENT IS THE RESPONSIBILITY OF THE LICENSED FIRE PROTECTION SPRINKLER SYSTEM INSTALLER, EQUIPMENT SPECIFICATION - TYPE, SIZE, RATING, AND ANY OTHER REQUIRED INFORMATION FOR THE REVIEW OF THE FIRE PROTECTION SPRINKLER PLANS FOR PERMIT PURPOSES, IS TO BE SUPPLIED BY THE LICENSED FIRE PROTECTION SPRINKLER INSTALLER ON THE FINAL FIRE PROTECTION SPRINKLER SYSTEMS PLANS. FIRE SPRINKLER DOCUMENTS MUST BE SIGNED BY A RESPONSIBLE MANAGING EMPLOYEE. LICENSED BY THE STATE FIRE MARSHAL OR SEALED BY A LICENSED PROFESSIONAL ENGINEER. FIRE PROTECTION SUBMITTAL SHALL BE REVIEWED BY THE ENGINEER.
- EXISTING FIRE PROTECTION SYSTEM IS TO BE MODIFIED, REPLACED, AND EXTENDED TO MEET THE NEW ROOM CONFIGURATION LAYOUT AND USAGE IS UNDER THIS CONTRACT AND PERMIT. FINAL DESIGN, SPECIFICATIONS AND INSTALLATION OF THE SYSTEM MODIFICATIONS IS THE RESPONSIBILITY OF THE FIRE PROTECTION CONTRACTOR AND IN ACCORDANCE WITH NFPA 13. REUSE THE EXISTING BACKFLOW PREVENTER WITH UPDATED CERTIFICATION.
- SPRINKLER PIPING SHALL BE THREADED BLACK STEEL (ASTM A-53 SCHEDULE 40 OR SCHEDULE 10) WITH THREADED OR MECHANICAL COUPLINGS OR TYPE "L" HARD DRAWN COPPER WITH FITTINGS SOLDER WITH ANSI/WSA5.8. BCuP SILVER BRAZE PER NFPA 13. HANGERS AND SUPPORTS SHALL BE IN ACCORDANCE WITH MSS-SP58, MSS-SP69, AND
- 58. SPRINKLER HEADS SHALL BE CONCEALED PENDENT, OR UPRIGHT TYPES RATED FOR THE APPLICATION.
- PIPE RISER IS CONNECTED TO THE DRY PIPE STANDPIPE CONNECTION AT THE NORTH WEST CORNER OF THE BUILDING. THE EAST DRY STAND PIPE SYSTEM IS CONNECTED TO THE DRY PIPE STANDPIPE CONNECTION AT THE NORTH EAST CORNER OF THE BUILDING AND GOES INTO THE BUILDING TO SERVE AN EXISTING FIRE CABINET AT EACH FLOOR.

NO ENERGY CODE REQUIRED EXISTING DOMESTIC WATER HEATING SYSTEM.

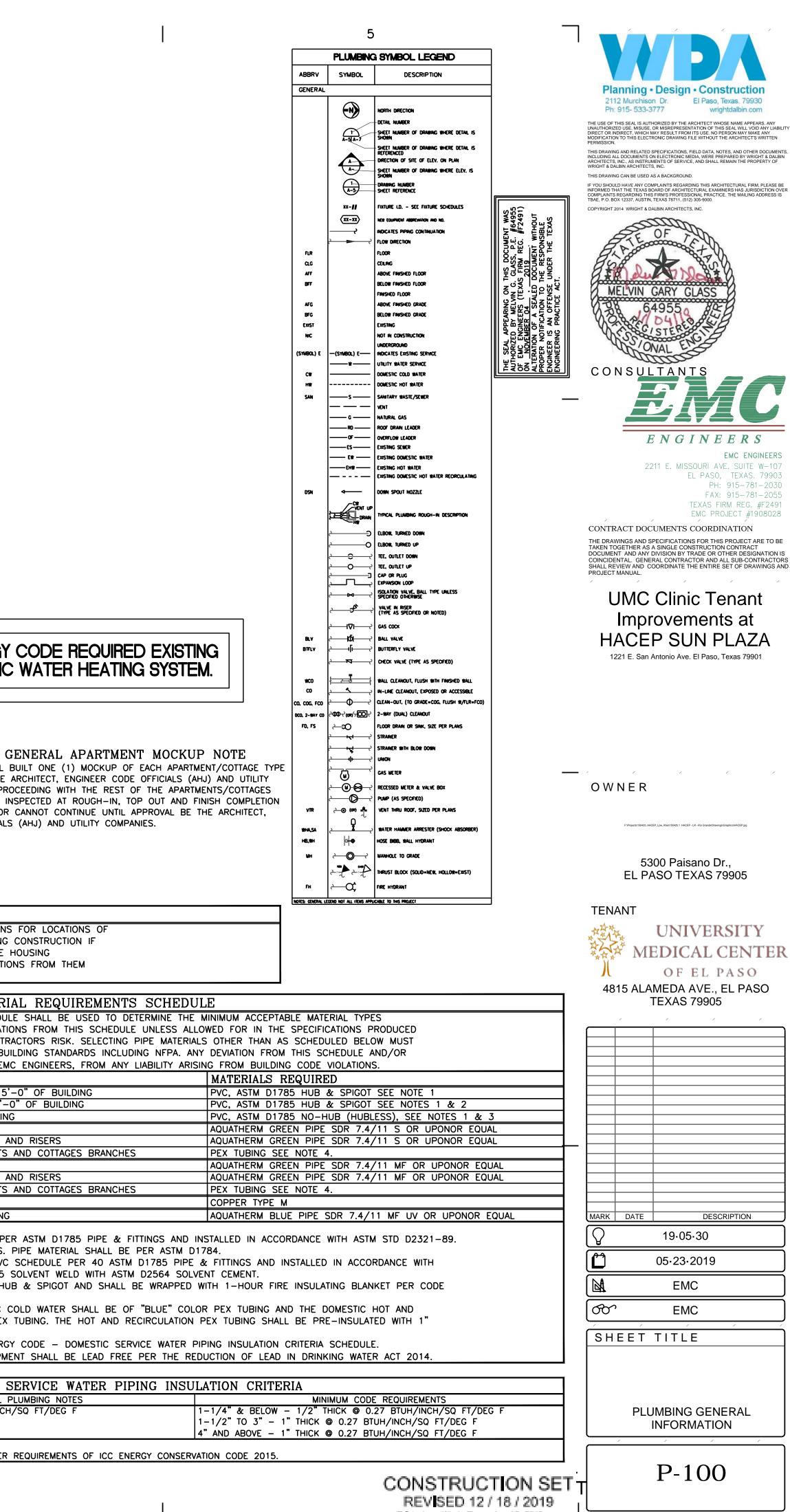
## THE CONTRACTOR SHALL BUILT ONE (1) MOCKUP OF EACH APARTMENT/COTTAGE TYPE FOR INSPECTION BY THE ARCHITECT, ENGINEER CODE OFFICIALS (AHJ) AND UTILITY COMPANIES PRIOR TO PROCEEDING WITH THE REST OF THE APARTMENTS/COTTAGES THE MOCK UP WILL BE INSPECTED AT ROUGH-IN, TOP OUT AND FINISH COMPLETION STAGES THE CONTRACTOR CANNOT CONTINUE UNTIL APPROVAL BE THE ARCHITECT, ENGINEER CODE OFFICIALS (AHJ) AND UTILITY COMPANIES.

ASBESTOS NOTES REFER TO ASBESTOS REPORT IN THE SPECIFICATIONS FOR LOCATIONS OF ASBESTOS IN THIS PROJECT'S WORK AREAS. DURING CONSTRUCTION IF ASBESTOS IS UNCOVERED IMMEDIATELY INFORM THE HOUSING AUTHORITY PROJECT MANAGER AND AWAIT INSTRUCTIONS FROM THEM BEFORE PROCEEDING WITH FURTHER WORK. MINIMUM PIPE MATERIAL REQUIREMENTS SCHEDULE

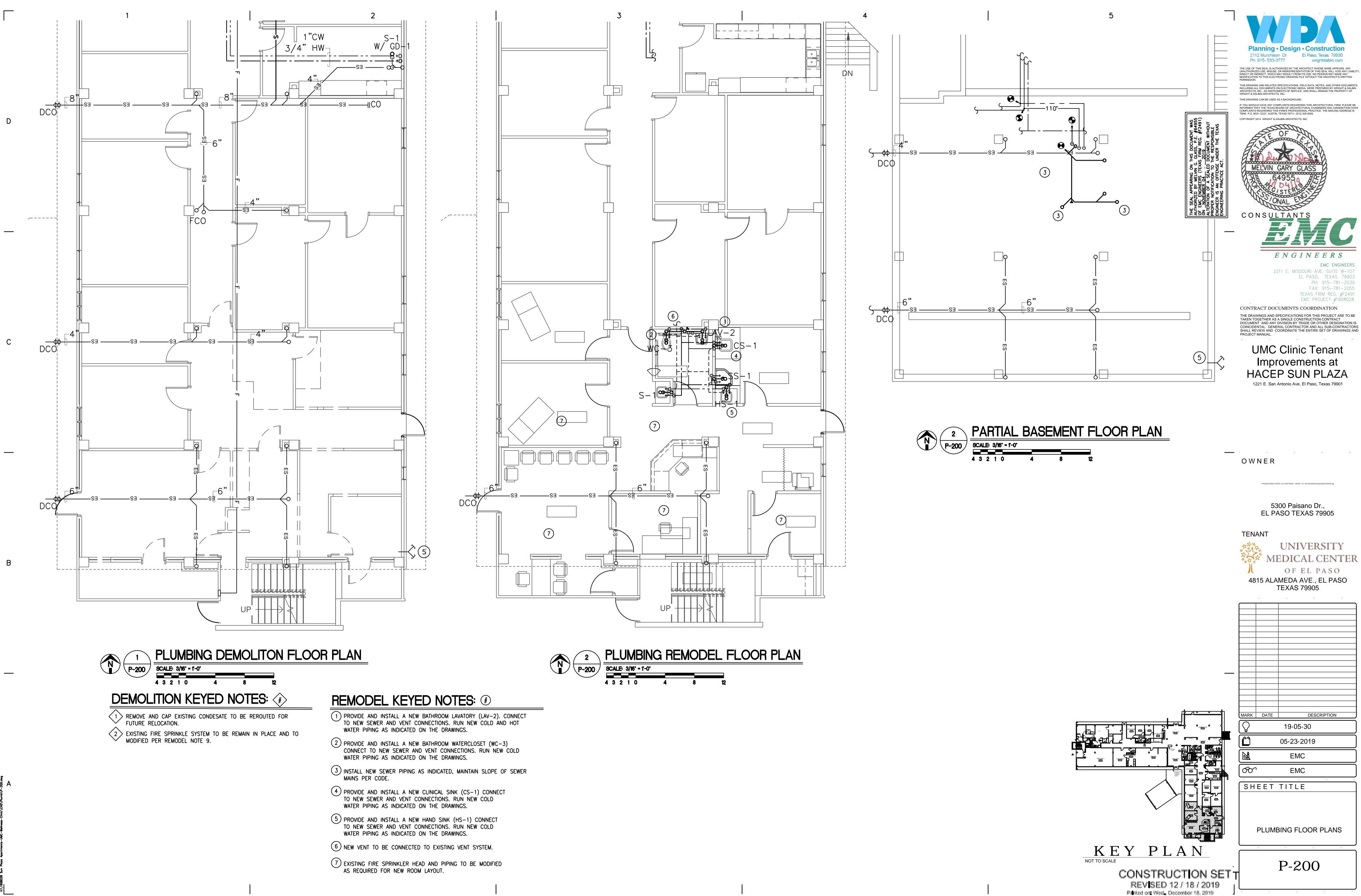
UNLESS SPECIFIED OTHE	ERWISE, THE FOLLOWING SCHEDULE SHALL BE USED
USED FOR EACH PLUMB	BING APPLICATION LISTED. DEVIATIONS FROM THIS SCI
BY THIS OFFICE FOR TH	IS PROJECT, ARE AT THE CONTRACTORS RISK. SELE
BE IN ACCORDANCE TO	LOCAL, STATE, AND FEDERAL BUILDING STANDARDS
SPECIFICATIONS FROM T	HIS PROJECT THEREBY WAIVE EMC ENGINEERS, FROM
PLUMBING SERVICE	LOCATION
SANITARY WASTE, DRAIN,	BELOW GRADE, OUTSIDE OF 5'-0" OF BUILDING
& VENT	BELOW GRADE, WITHIN OF 5'-0" OF BUILDING
	ABOVE GRADE, WITHIN BUILDING
DOMESTIC WATER - COLD	BELOW GRADE
	ABOVE GRADE IN CORRIDOR, AND RISERS
	ABOVE GRADE IN APARTMENTS AND COTTAGES BRA
DOMESTIC WATER - HOT	BELOW GRADE
	ABOVE GRADE IN CORRIDOR, AND RISERS
	ABOVE GRADE IN APARTMENTS AND COTTAGES BRA
PUMP DRAIN PANS DRAINS	ABOVE GRADE AND OUTSIDE
CONDENSATE DRAIN	WITHIN OF 5'-0" OF BUILDING
NOTES:	
	& SPIGOT PVC SCHEDULE 40 PER ASTM D1785 PIP
	M F477, ELASTOMERIC GASKETS. PIPE MATERIAL SHA
	ENT CEMENT HUG & SPIGOT PVC SCHEDULE PER 40
	IOINTS TO BE PER ASTM D2665 SOLVENT WELD WITH
	IUB OR PVC PER ASTM 1785 HUB & SPIGOT AND S
REQUIREMENTS.	
	ES PEX TUBING THE DOMESTIC COLD WATER SHALL
RECIRCULATION WATER F	PIPING BE OF "RED" COLOR PEX TUBING. THE HOT /
FIBERGLASS OR ARMAFL	
FIBERGLASS OR ARMAFL 5. PIPING SHALL BE INSUL	EX INSULATION. ATED AND JACKETED PER ENERGY CODE – DOMESTI 5. PIPING, FITTINGS, AND EQUIPMENT SHALL BE LEAD

IT'S THE LAM AND IT'S FREE - CALL BEFORE YOU DIG CALL TWO WORKING DAYS BEFORE YOU DIG IN TEXAS 1-800-344-8377	SERVICE PIPING HOT AND
CALL I WO WORKING DATS BEFORE YOU DIG IN TEXAS (1-800-DIG-TESS)	RECIRCULATING
es la ley	HOT WATER
GRATIS PARA USTED - LLAME ANTES DE ESCARVAR	NOTES:
LLAME 2 DIAS DE TRABAJO ANTES DE ESCARVAR EN TEXAS (1-800-344-8377 (1-800-DIG-TESS)	1.

	ENERGY CODE – DOMESTIC SERVICE WATER
SERVICE PIPING	REQUIRED AND SPECIFIED PER GENERAL PLUMBING NOTES
HOT AND RECIRCULATING HOT WATER	ALL SIZES – 1" THICK @ 0.24 BTUH/INCH/SQ FT/DEG F
NOTES:	
1.	FIBERGLASS INSULATION AS REQUIRED PER REQUIREMENTS OF ICC



Panted on: Wed., December 18, 2019



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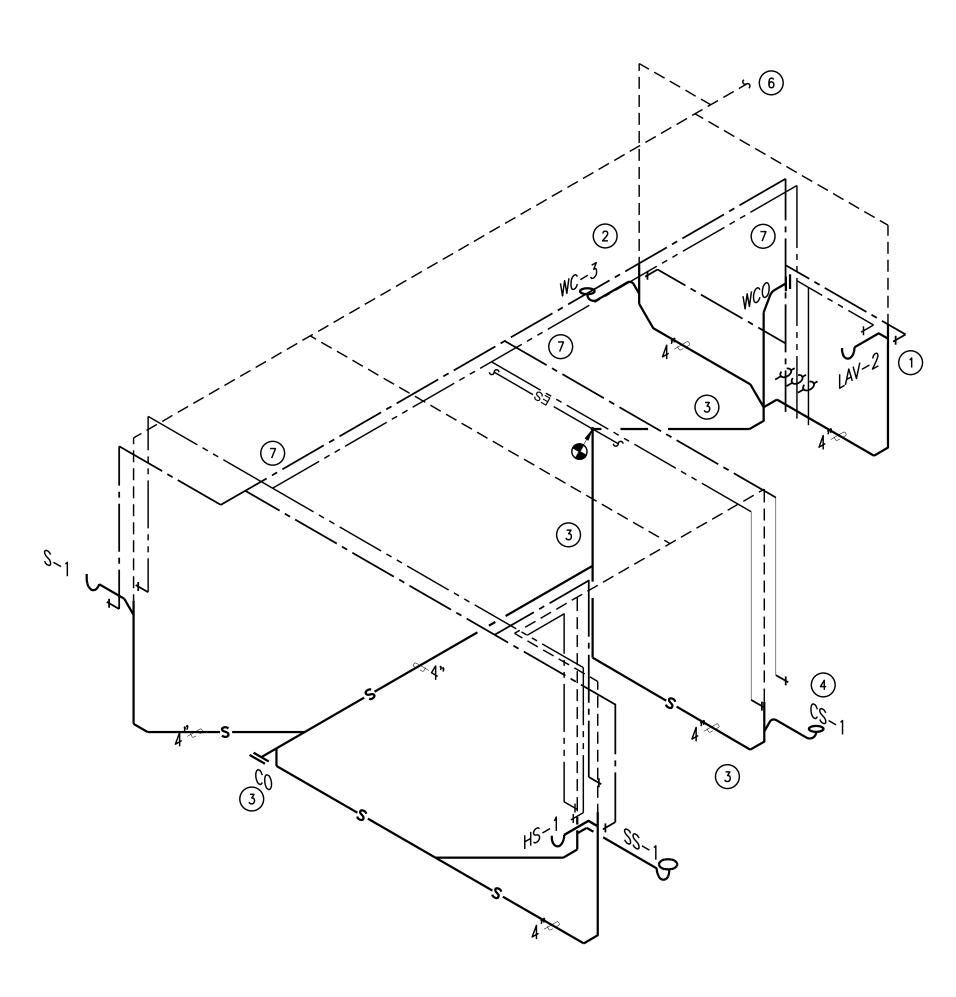
Ī		MINIMUM	CONNECTIO	ONS	SUN PLAZA UMC TENANT FINISHOUT PLUMBING FIXTURE SCHEDULE
SYMBOL	CW	HW	VENT	WASTE	TYPE
WC-3	1		2	4	MOUNTED FLUSH VALVE ADA COMPLIANT WATER CLOSET ELONGATED CHINA BOWL, EXPOSED FLUSH VALVE WITH VANDAL RESISTANT STOP CAP, 1.28 GALLONS PER FLUSH, EXTRA HEAVY DUTY OPEN FRONT WHITE SEAT, EXPOSED FLUSH VALVE WITH 1 INCH TOP SPUD, FLUSH HANDLE ON WIDE SIDE OF TOILET WHERE SHOWN FOR HANDICAPPED ACCESSIBILITY.
LAV-2	1/2	1/2	1-1/2	1-1/2	WALL MOUNTED ADA COMPLIANT LAVATORY VITREOUS CHINA, NOMINAL 20 INCH ×18 INCH , BACK AND SIDE SPLASHES, FOR CONCEALED ARM CARRIER, FAUCET HOLES ON 8 INCH CENTERS, ADA COMPLIANT WRIST BLADE GOOSENECK FAUCET, LESS ESCUTCHEON PLATE, LESS DRAIN, CAST BRASS CONSTRUCTION, WASHERLESS, DRAIN OUTLET WITH GRID STRAINER
HS-1	1/2	1/2	1-1/2	1-1/2	WALL MOUNTED STAINLESS STEEL ADA COMPLIANT LAVATORY STAINLESS STEEL, NOMINAL 20 INCH ×18 INCH , BACK AND SIDE SPLASHES, FOR CONCEALED ARM CARRIER, FAUCET HOLES ON 8 INCH CENTERS, ADA COMPLIANT WRIST BLADE GOOSENECK FAUCET (0.35 GPM), LESS ESCUTCHEON PLATE, LESS DRAIN, CAST BRASS CONSTRUCTION, WASHERLESS, DRAIN OUTLET WITH GRID STRAINER
S-2	1/2	1/2	1-1/2	1-1/2	ADA COMPLIANT COUNTERTOP SINGLE COMPARTMENT 18 GA. STAINLESS STEEL, NOMINAL 14 INCH × 16 INCH BOWL, 5 1/2 INCH DEEP, BACK AND SIDE FLANGES,ADA COMPLIANT WIDESET GOOSENECK FAUCET (0.35 GPM) WITH HOLES 8 INCH ON CENTER, ADA COMPLIANT WRIST BLADE HANDLE, DRAIN OUTLET WITH GRID STRAINER
CS-1	3/4	3/4	2	3	CLINIC SERVICE SINK VITREOUS CHINA, FLUSHING RIM, SIPHON JET FLUSHING BOWL, FLUSH VALVE OPERATED, COMPLETE WITH BEDPAN CLEANING FITTINGS INCLUDING: VACUUM BREAKER, NOZZLE W/ HOOK, SELF CLOSING – DOUBLE FOOT PEDAL VALVES, LOOSE METAL STRAINER, (3) STAINLESS STEEL RIM GUARDS FRONT AND SIDES, & NOMINAL 14 INCH WALL SPOUT FAUCET OUTLET W/ ELBOW HANDLES.
FD-1			2	3	FLOOR DRAIN WITH INLINE FD TRAP SEALER 6 INCH ROUND ADJUSTABLE NICKEL BRONZE STRAINER, CAST IRON BODY, SEDIMENT BUCKET, ADJUSTABLE FLASHING COLLAR, AND PROVIDE SURESEAL MANUFACTURING; INLINE FLOOR DRAIN TRAP SEALER, STANDARD: ASSE 1072–2007, BODY: ASB PLASTIC, DIAPHRAGM & SEALING GASKET: NEOPRENE RUBBER, SIZE: AS INDICATED ON THE DRAWINGS, GRAVITY DRAIN OUTLET CONNECTION: COMPRESSION FIT SEALING GASKET 80 DUROMETER
FCO					ROUND FLOOR CLEANOUT CAST IRON BODY WITH ROUND ADJUSTABLE SCORIATED NICKEL BRONZE TOP, GASKET SEAL BRASS THREADED PLUG WITH RECESSED SOCKET.
WCO					WALL CLEANOUT NO-HUB CAST IRON CLEANOUT TEE WITH ROUND STAINLESS STEEL COVER AND CENTER SCREW, GASKETED SEAL IRON THREADED PLUG WITH RECESSED SOCKET
2. 3. 4. 5.	FOR MOU EACH UN PROVIDE UNLESS S OUTLET ( WITH C.P.	NTING HEIG DERSLAB C EACH WALL SCHEDULED MIN. 17 G . CAST BRA	GHTS OF I DR CONCEA L MOUNTEI O OTHERWI A.), AND ( ASS ESCUT	NDIVIDUAL ALED P-TR D PLUMBIN SE, PROVIL C.P. CAST ICHEON WI	ARE BASE ITEMS. OTHER MANUFACTURERS LISTED ARE EQUIVALENT MANUFACTURERS. WALL-MOUNTED FIXTURES, REFER TO ARCHITECTURAL ELEVATION DRAWINGS. AP SHALL BE A DEEP-SEAL TYPE. IG FIXTURE, SUCH AS SINKS, LAVATORIES, ETC., WITH A FLOOR MOUNTED FIXTURE SUPPORT CARRIER WITH DE EACH LAVATORY, SINK, WATER COOLER, ETC. WITH A P-TRAP ASSEMBLY CONSISTING OF A PVC TRAP W BRASS ESCUTCHEON WITH SETSCREW. LAVATORY OR SINKS WITH CONDENSATE DRAIN CONNECTION SHALL E TH SETSCREW. S COLD AND/OR HOT WATER WITH A SUPPLY/STOP ASSEMBLY CONSISTING OF A C.P. BRASS QUARTER TU

TURN STOP VALVE (MIN. 1/2 INCH) WITH LOOSE KEY HANDLE AND LOCK SHIELD, STAINLESS STEEL FLEXIBLE RISER, C.P. BRASS NIPPLE, AND C.P. CAST BRASS ESCUTCHEON WITH SETSCREW. 7. FOR EACH ADA HANDICAPPED LAVATORY OR SINK WITH EXPOSED DRAIN AND BOTH COLD AND HOT SUPPLY COMPONENTS, PROVIDE A MANUFACTURED INSULATION KIT MADE FROM MOLDED CLOSED CELL VINYL THAT IS ANTI-MICROBIAL, FORM FITTING, AND SEAMLESS. EACH KIT SHALL COVER THE TAILPIECE, P-TRAP, WALL BEND, BOTH WATER SUPPLY STOPS, AND BOTH WATER RISERS. KITS SHALL BE EQUAL OR EQUIVALENT TO PROWRAP' BY McGUIRE OR LAV-GUARD BY TRUEBRO.

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8. ALL ITEMS SHALL BE NSF APPROVED AND LISTED FOR THEIR USAGE WHERE REQUIRED. ALL FAUCETS SHALL BE TO NSF 61 AND LISTED WITH NSF. ALL PLUMBING FIXTURES, PIPING, FITTINGS, AND EQUIPMENT SHALL BE LEAD FREE PER THE REDUCTION OF LEAD IN DRINKING WATER ACT 2014.

9. WHERE ARCHITECTURAL PLANS SHOW WATER CLOSETS, PROVIDE AND INSTALL FLUSHING VALVE SUCH THAT FLUSH HANDLE IS ON WIDE SIDE OF WATER CLOSET, THAT IS, THE SIDE AWAY FROM THE ADJACENT WALL. ALL WALL MOUNTED FIXTURES SHALL BE MOUNTED AT THE REQUIRED ADA AND TAS MOUNTING HEIGHTS IN ACCORDANCE WITH THE ARCHITECTURAL DRAWINGS.



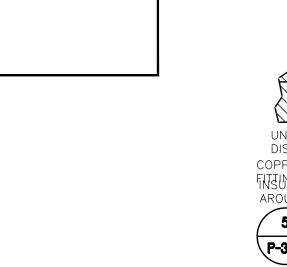
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		FIXTURE
	MANUFACTURER	OPTIONS
	ZURN Z5665-BWL	VALVE-SLOAN ROYAL #111, ZURN Z6000 AV-HET FLUSH
	KOHLER K-3999-0	VALVE WITH TPE CHEMICAL RESISTANT DIAPHRAGM WITH DUAL
	AMERICAN STANDARD	SEAL, CLOG RESISTANT TRIPLE FILTER
		SEAT - BEMIS 1655SSC, CHURCH 9500SSC, CENTOCO 1500CCSS,
		ZURN Z5956SS-EL BENEKE 527SS, KOHLER K4666SC.
	ZURN Z5348	FAUCET - ZURN Z-7442-XL, OR EQUAL BY CHICAGO
	KOHLER K2032-0	CARRIER – ZURN Z-1231,
	AMERICAN STANDARD	OR EQUAL BY WADE, JR SMITH
	METCRAFT 5683-1	FAUCET ZURN-Z812A4-XL AQUASPEC , AMER. STD. 7500.170
	BRADLEY 921-6101VFM	CHICAGO 895-317
		CARRIER – ZURN Z-1231
		OR EQUAL BY WADE 404, JR SMITH
		DRAIN – AMER. STD. 2411.015, ELJER 803–0552
	ELKAY LRAD 1919	FAUCET – ZURN Z831B4–XL AQUASPEC – ELKAY LK800GN05T4
	JUST SL-ADA-2019-A-GR	OR CHICAGO FAUCET EQUAL
		DRAIN – ZURN Z8746–PC – ELKAY LKAD174
	ZURN Z5420	VALVE: ZURN Z6000-WS1, SLOAN ROYAL #111, DELANEY F402-1
	AMERICAN STANDARD: #9504.010	FAUCET: ZURN Z843M1, AMERICAN STANDARD #8345.118
	KOHLER, CRANE, ELJER, JUST	PEDAL VALVES: ZURN Z85500-WM-EVB-HK-SE-SH,
	CONSIDERED EQUAL	AMERICAN STANDARD #7679.012
		RIM GUARDS: AMERICAN STANDARD #7832.015
		BEDPAN CLEANER ASSEMBLY: ZURN Z85500-WM-EVB-HK-SE-SH,
		AMERICAN STANDARD #7880.089
		STRAINER: AMERICAN STANDARD #037640-0020A,
		PEDESTAL BASE: FIAT 7H536
	ZURN ZN-415-B-P	SURESEAL MANUFACTURING; INLINE FLOOR DRAIN TRAP SEALER
	JR SMITH 2005	REFER TO ARCHITECTURAL DRAWINGS FOR SHOWER FLOOR
		DRAIN LOCATION.
	ZURN ZN-1400-BP,	OR EQUAL BY WADE
	JR SMITH	
	ZURN Z-1446-BP, JR SMITH 4422-PB	OR EQUAL BY WADE
	JR JMIIN 4422-70	

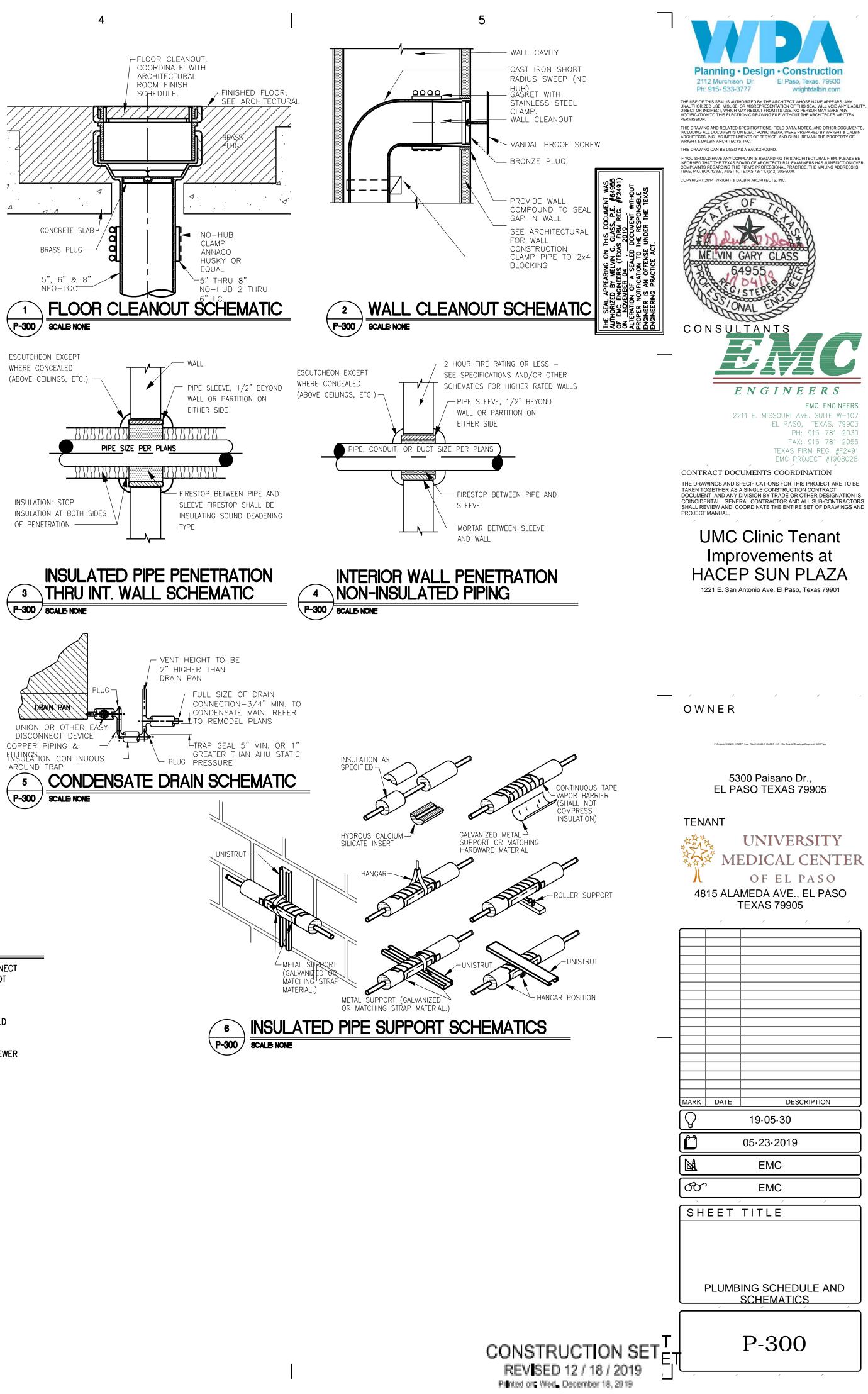
H RECTANGULAR LEGS. WITH CLEANOUT PLUG, C.P. TUBING

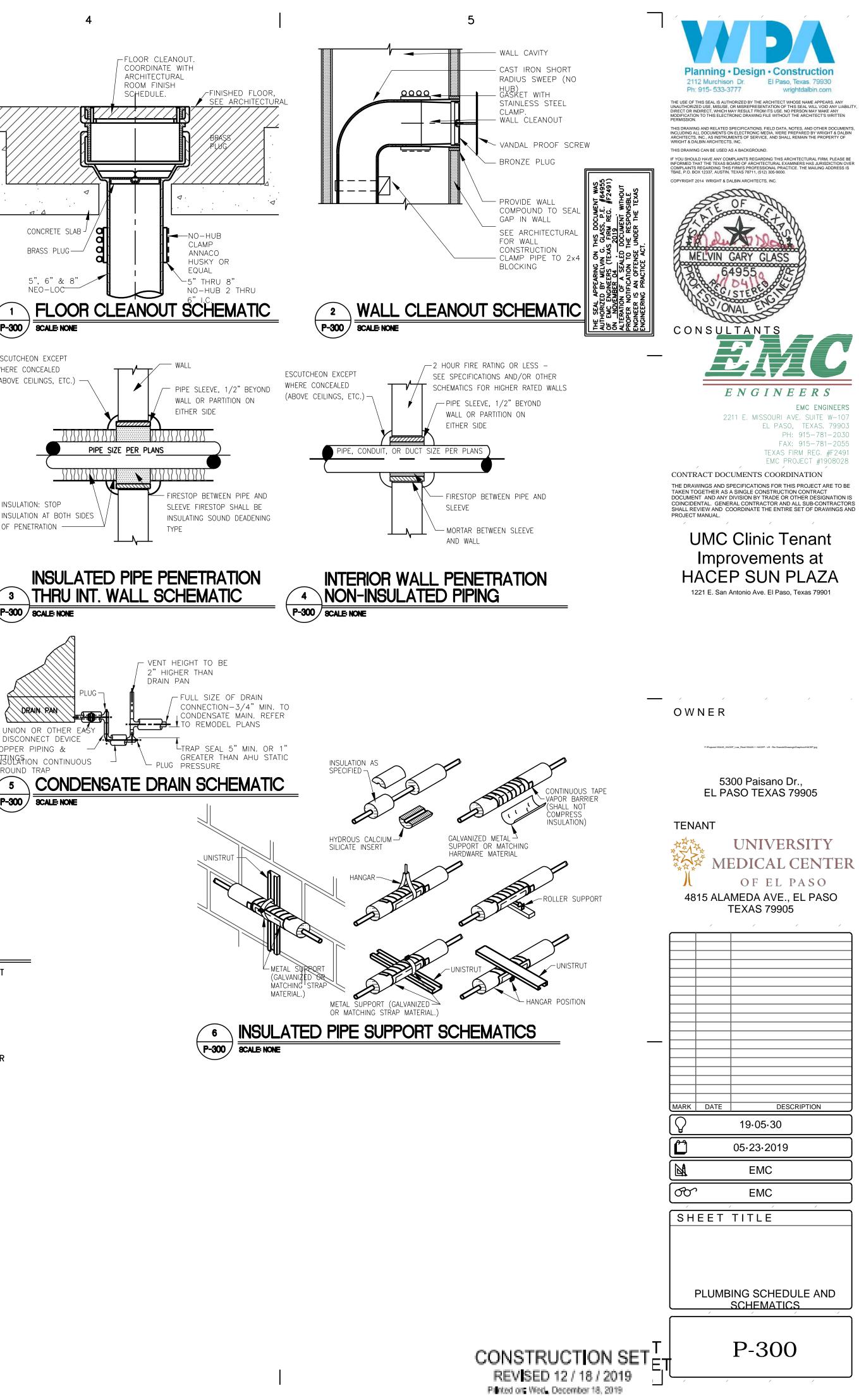
BE PVC PIPING

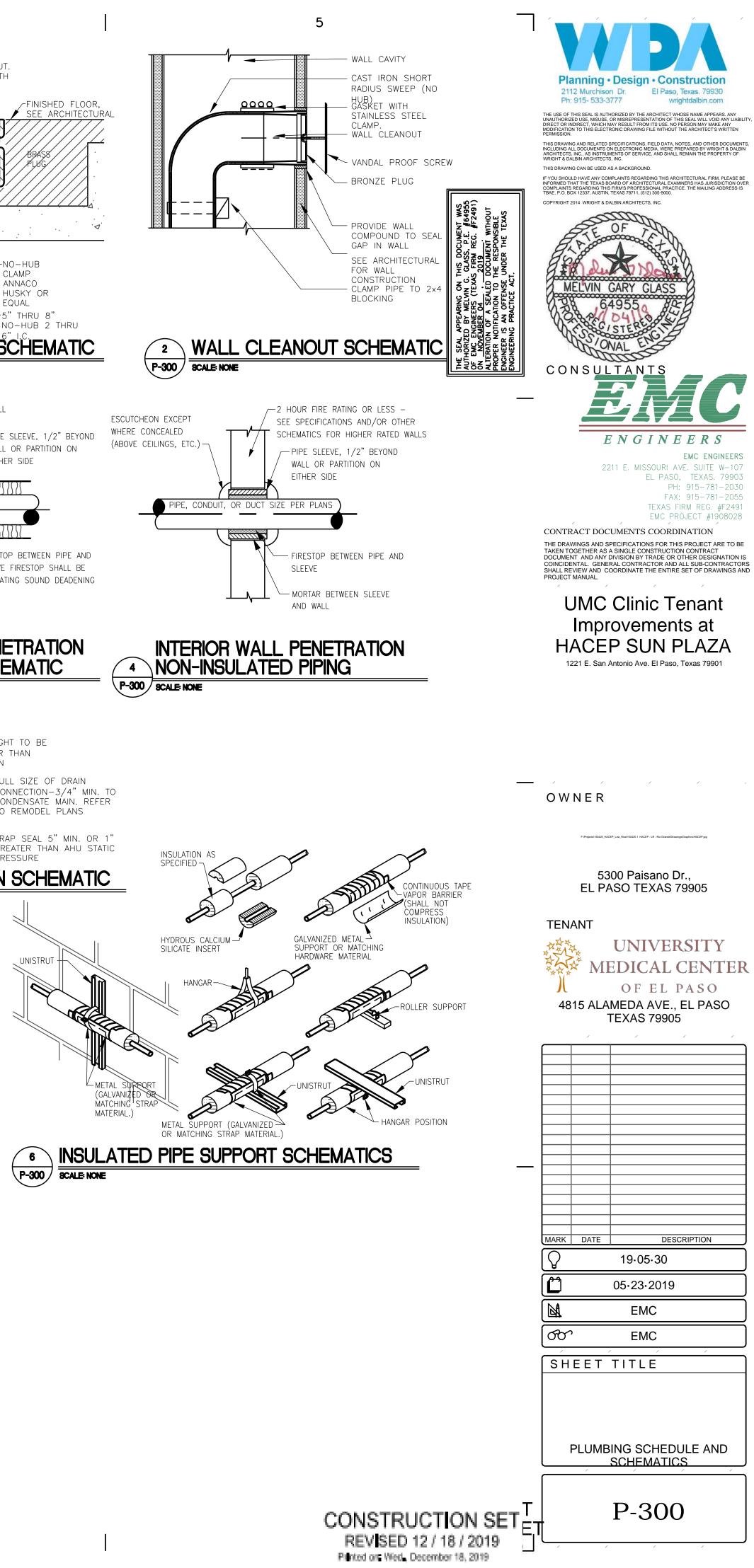


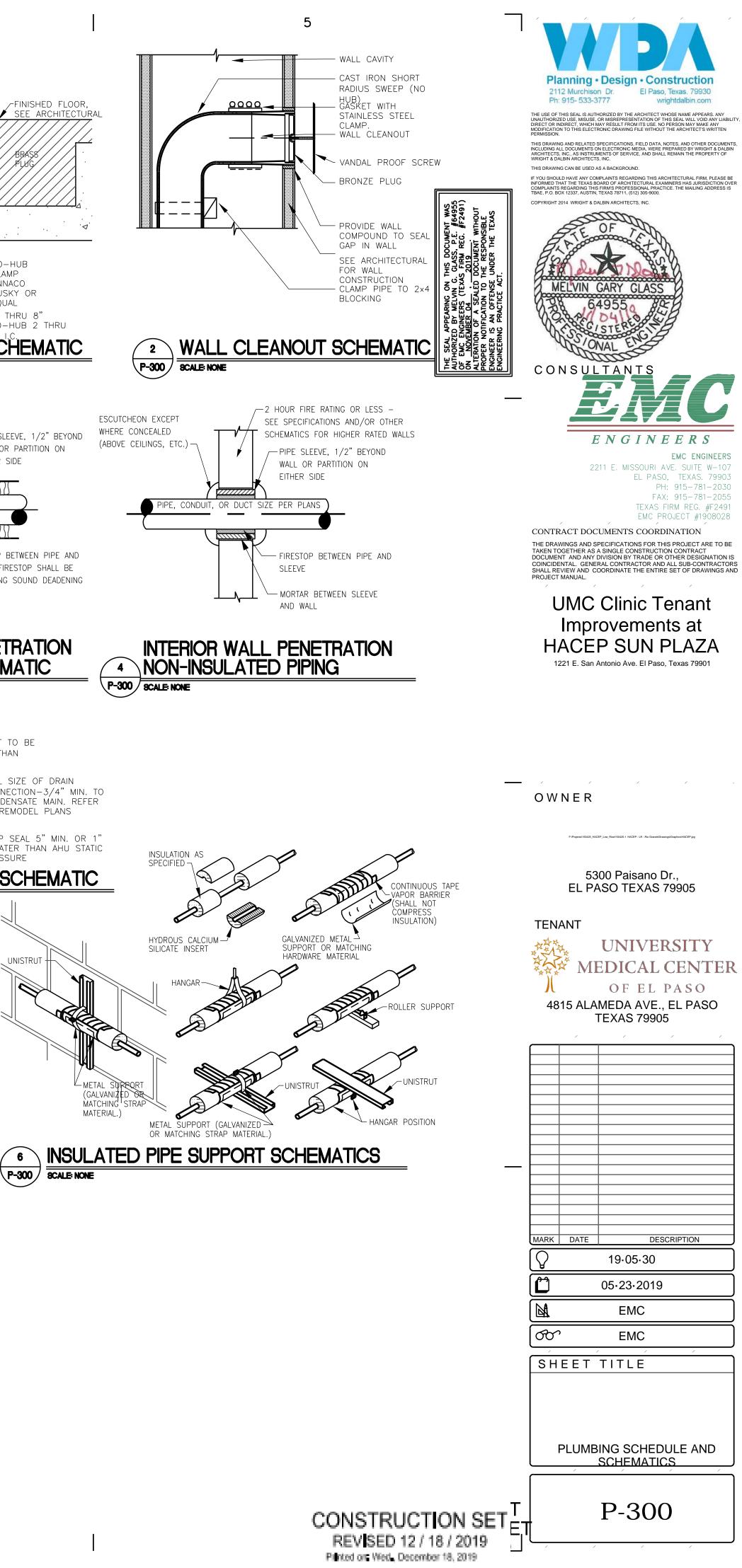
## REMODEL KEYED NOTES: (#)

- 1 PROVIDE AND INSTALL A NEW BATHROOM LAVATORY (LAV-2). CONNECT TO NEW SEWER AND VENT CONNECTIONS. RUN NEW COLD AND HOT WATER PIPING AS INDICATED ON THE DRAWINGS.
- 2 PROVIDE AND INSTALL A NEW BATHROOM WATERCLOSET (WC-3) CONNECT TO NEW SEWER AND VENT CONNECTIONS. RUN NEW COLD WATER PIPING AS INDICATED ON THE DRAWINGS.
- (3) INSTALL NEW SEWER PIPING AS INDICATED, MAINTAIN SLOPE OF SEWER MAINS PER CODE.
- PROVIDE AND INSTALL A NEW CLINICAL SINK (CS-1) CONNECT TO NEW SEWER AND VENT CONNECTIONS. RUN NEW COLD WATER PIPING AS INDICATED ON THE DRAWINGS.
- 5 PROVIDE AND INSTALL A NEW HAND SINK (HS-1) CONNECT TO NEW SEWER AND VENT CONNECTIONS. RUN NEW COLD WATER PIPING AS INDICATED ON THE DRAWINGS.
- (6) NEW VENT TO BE CONNECTED TO EXISTING VENT SYSTEM.
- (7) INSULATE COLD, HOT AND RECIRCULATION PIPING AS PER SCHEMATIC 6/P-300.









## **ELECTRICAL GENERAL NOTES:**

- 1. THESE ELECTRICAL GENERAL NOTES ARE APPLICABLE TO ALL ELECTRICAL SHEETS IN THIS PROJECT SET. 2. THE ELECTRICAL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE AND ADOPTED PROVISIONS OF THE FOLLOWING CODES:
  - 2014 NATIONAL ELECTRICAL CODE 2015 INTERNATIONAL BUILDING CODE 2015 INTERNATIONAL PLUMBING CODE 2015 INTERNATIONAL MECHANICAL CODE
  - 2015 INTERNATIONAL FIRE CODE 2015 INTERNATIONAL FUEL COD
- 2015 INTERNATIONAL ENERGY CONSERVATION CODE AS ADOPTED AND INTERPRETED BY THE STATE OF TEXAS, CITY OF EL PASO AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) REGULATIONS, CURRENT ADOPTED EDITIONS REGARDING ELECTRICAL SYSTEMS, FIRE PROTECTION AND ALARM SYSTEMS AND MECHANICAL SYSTEMS.
- 3. THE CONTRACTOR SHALL COORDINATE WITH OWNER, ARCHITECT, AND ENGINEER ANY WORK THAT HAS THE POTENTIAL TO HINDER ELECTRICAL SERVICES TO AREAS OUTSIDE OF THIS CONTRACT. ALL SHUT-DOWNS OR TIE-INS RELATING TO THESE SYSTEMS SHALL BE SCHEDULED AND SUBMITTED IN WRITING TO BE APPROVED BY THE OWNER'S FACILITY MANAGEMENT, OWNER, ARCHITECT, OR ENGINEER. CONTRACTOR SHALL SUBMIT IN WRITING A SCHEDULE FOR PHASING OF CONSTRUCTION THAT INDICATES AREAS OF FIRST PRIORITY DURING EACH PHASE AND ANTICIPATED COMPLETION TIMES. SCHEDULES SHALL BE SUBMITTED A MINIMUM OF ONE WEEK PRIOR TO COMMENCING WORK, FACILITY MANAGEMENT, OWNER, ARCHITECT OR ENGINEER SHALL REVIEW THESE SCHEDULES AND NOTIFY CONTRACTOR OF ACCEPTANCE PRIOR TO COMMENCEMENT OF WORK.
- 4. ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH CODES AND RULES, REGULATIONS AND ORDINANCES SHALL BE PROVIDED. WHERE THE DRAWINGS AND/OR SPECIFICATIONS INDICATE MATERIALS OR CONSTRUCTION IN EXCESS OF CODE REQUIREMENTS. THE DRAWINGS AND/OR SPECIFICATIONS SHALL GOVERN. THE CONTRACTOR SHALL HOLD AND SAVE THE OWNER, ARCHITECT AND ENGINEERS FREE AND HARMLESS FROM LIABILITY OF ANY NATURE OR KIND ARISING FROM HIS FAILURE TO COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES.
- 5. BIDDERS SHALL VISIT THE SITE AND SHALL BE RESPONSIBLE FOR HAVING ASCERTAINED PERTINENT LOCAL CONDITIONS SUCH AS LOCATION, ACCESSIBILITY AND GENERAL CHARACTER OF THE SITE, THE CHARACTER AND EXTENT OF THE WORK WITHIN THE BUILDING AND TO BECOME FAMILIAR WITH ALL OTHER WORK TO BE PERFORMED AT THIS TIME. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO CONTRACTOR'S FAILURE TO DETERMINE ALL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED.
- 6. BEFORE YOU DIG ALL EXISTING UTILITIES, I.E. WATER, SEWER, GAS, FIRE LINE, ELECTRICITY, CABLE, TELEPHONE, IRRIGATION LINES, SHALL BE LOCATED AND CLEARLY MARKED IN ORDER TO AVOID UNNECESSARY SHUT DOWNS AND EMERGENCY.
- 7. EACH CONTRACTOR SHALL GIVE ALL REQUISITE NOTICES AND FILLED OUT APPLICATIONS, OBTAIN AND PAY FOR ALL PERMITS, DEPOSITS AND FEES (INCLUDING UTILITY CONNECTIONS FEES, ANY UTILITY EXTENSION FEES, TAP FEES, DEVELOPMENT FEES, AND IMPACT FEES) NECESSARY FOR THE INSTALLATION OF WORK UNDER THESE NOTES. TWO ) COPIES OF CERTIFICATES OF APPROVAL SHALL BE OBTAINED FROM ALL AUTHORITIES ISSUING SAME AND SHALL E TURNED OVER TO OWNER, ARCHITECT, ENGINEER PRIOR TO FINAL ACCEPTANCE OF THE WORK.
- 8. REQUIRED INSURANCE SHALL BE PROVIDED BY THIS CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF WORK. CONTRACTOR SHALL SECURE AND PAY ALL PERMITS, FEES, INSPECTIONS, AND TESTS UNLESS OTHERWISE INDICATED. COORDINATE WITH ARCHITECT, ENGINEER OR OWNER. STITUTIONS REQUESTED BY THE CONTRACTOR SHALL BE PAID FOR BY THE CONTRACTOR
- 9. ALL WORK SHALL CONFORM WITH FEDERAL, STATE, AND LOCAL CODES, RULES, AND REGULATIONS. ALL WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE SYSTEMS SHALL BE INSTALLED COMPLETE AND FULLY OPERATIVE UNLESS OTHERWISE INDICATED.
- 10. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND PROVIDE A WRITTEN REPORT TO THE ARCHITECT AND THE ENGINEERING OFFICES. THIS REPORT SHALL DESCRIBE EXISTING DAMAGE OR OTHER CONDITIONS THAT MAY INTERFERE WITH THIS PROPOSED NEW WORK. THIS SITE SURVEY SHALL ALSO INCLUDE VERIFICATION OF SIZES, LOCATIONS, AND CONDITIONS OF EXISTING UTILITIES. QUESTIONS REGARDING THESE DRAWINGS SHALL BE ADDRESSED TO THE ENGINEER PRIOR TO THE AWARDING OF THE CONTRACT. OTHERWISE THE ENGINEER'S INTERPRETATION OF THE MEANING AND INTENT OF THE DRAWINGS SHALL BE FINAL.
- 11. DURING CONSTRUCTION IF THE CONTRACTOR ENCOUNTER AND DAMAGES THE EXISTING UNDERGROUND INFRASTRUCTURE THE CONTRACTOR SHALL REPAIR THE INFRASTRUCTURE AT NO ADDITIONAL COST TO THE OWNER. WHERE STRUCTURE IS ALTERED OR DAMAGED DURING CONSTRUCTION, INSTALLATION AND REMOVAL OF EQUIPMENT OR FIXTURES, THE CONTRACTOR SHALL REPAIR THE AREA TO MATCH SURROUNDING AREA PER ARCHITECTURAL SPECIFICATIONS. CUTTING, TRENCHING, AND PENETRATIONS THROUGH FIRE WALL, CONCRETE AND OTHER STRUCTURES ARE A PART OF THIS PROJECT SCOPE AND SHALL BE INCLUDED IN THE CONTRACTOR'S BID. ALL EXCAVATION AND BACKFILLING REQUIRED FOR PLUMBING WORK IS ALSO INCLUDED AS PART OF THIS CONTRACT AND SHALL BE INCLUDED IN CONTRACTOR'S BID.
- 12. ALL SYSTEMS AND COMPONENTS SHALL BE APPROVED FOR THE PURPOSE FOR WHICH INSTALLED, ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND FROM ESTABLISHED AMERICAN SUPPLIERS UNLESS OTHERWISE INDICATED.
- 13. ALL EQUIPMENT PARAMETERS SHOWN ARE FOR PERFORMANCE AT SITE ALTITUDE. SUPPLIERS SHALL SELECT AND DEMONSTRATE THAT THEIR EQUIPMENT MEETS THE DESIGN CONDITIONS AT SITE ALTITUDE.
- 14. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR THE MECHANICAL EQUIPMENT'S ELECTRICAL REQUIREMENTS, INCLUDING POWER, CONTROL, COMMUNICATION, AND MONITORING, OF EACH DEVICE PROVIDED AND/OR INSTALLED BY MECHANICAL CONTRACTOR
- 15. SUPPORT SYSTEM FOR EQUIPMENT SUPPORTED BY THE BUILDING STRUCTURE SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER VIA ARCHITECT FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION. NO WIRE OR

PERFORATED STRAP WILL BE PERMITTED FOR ANY HANGER OR SUPPORT.

- 16. THE CONTRACTOR SHALL NOT SCALE THE CONTRACT DOCUMENTS. THE CONTRACT DOCUMENTS ARE DIAGRAMMATIC IN NATURE AND DO NOT COMPLETELY DEPICT ALL EXISTING CONDITIONS IN THE AREA
- 17. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOOK THROUGH ALL DRAWINGS ASSOCIATED WITH THIS PROJECT. WORK ASSOCIATED WITH THE ELECTRICAL CONTRACTOR'S TRADE MAY BE SHOWN ON OTHER DRAWINGS. ANY ADDITIONAL COSTS RESULTING FROM THE FAILURE TO INCLUDE THESE ITEMS SHOWN ON OTHER DRAWINGS WILL BE INCURRED BY THE CONTRACTOR, SHOULD THE CONTRACTOR ENCOUNTER ANY DISCREPANCIES OR INCONSISTENCIES IN THE CONSTRUCTION DOCUMENTS, THE MORE STRINGENT SHALL GOVERN.
- 18. POSITIONING OF NEW LAY-IN FIXTURES TAKES PRECEDENCE OVER ARCHITECTURAL REFLECTED CEILING PLAN AND MECHANICAL DIFFUSERS PRIOR TO INSTALLATION OF FIXTURES. CONTRACTOR SHALL COORDINATE ACTUAL LOCATIONS OF LIGHTS WITH AIR DEVICES AND DUCTWORK, CEILING PANELS, JOIST SPACING AND ARCHITECTURAL REFLECTED CEILING PLAN (REF. MECHANICAL PLANS AND ARCHITECTURAL PLANS).
- 19. PROVIDE OWNER WITH THREE (3) COPIES OF ALL INSTALLATIONS INSTRUCTIONS, PRODUCT DATA SUBMITTAL INFORMATION, WARRANTIES, CONTACT INFORMATION DURING WARRANTY PERIOD AND BALANCING REPORTS IN 3-RING BINDERS.
- 20. FOR OUTDOOR EQUIPMENT ON GRADE AND INDOOR FLOOR MOUNTED EQUIPMENT. THE CONTRACTOR SHALL CONSTRUCT LEVEL 3000 PSI CONCRETE(28 DAY COMPRESSIVE STRENGTH) SLABS WITH FINISHED EDGES, WIRE REINFORCED MINIMUM 6X6 W1.4/1.4 OR HEAVIER PER ASTM A185, MINIMUM 3 1/2" THICK, AND MINIMUM 6" LARGER ON LL SIDES THAN THE EQUIPMENT BEING SUPPORTED. THE PAD SHALL BE HAVE 2 COATS OF EPOXY SEALANT TO SEAL THE PAD.
- 21. CONTRACTOR SHALL MAKE NO PENETRATIONS WHATSOEVER OF WALLS FORMING PART OF A STAIRWELL, AN EXIT PASSAGEWAY, OR OTHER TWO-HOUR RATED WALLS. ALL CONDUITS SHALL RUN PARALLEL TO WALLS.
- 22. CONTRACTOR SHALL SAW CUT AND PATCH ASPHALT, CONCRETE OR OTHER MATERIAL ENCOUNTERED AS REQUIRED TO INSTALL NEW UNDERGROUND RACEWAY. REFER TO ARCHITECTURAL SPECIFICATIONS REGARDING PATCHING REQUIREMENTS.
- 23. CONTRACTOR SHALL PROVIDE AND INSTALL IDENTIFICATION TAGS FOR EQUIPMENT AND CONDUITS PER ASME 13.1 SCHEME OF IDENTIFICATION FOR PIPING. BURIED ELECTRICAL CONDUITS SHALL BE MARKED PER CODE REQUIREMENTS WITH UNDERGROUND WARNING TAPE 3" BELOW FINISHED GRADE. TAPE SHALL BE 4" WIDE COLORED RED WITH SUITABLE WARNING LEGEND PER ASME A13.1 SCHEME OF IDENTIFICATION FOR PIPING.
- 24. CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ALTERNATES AND ALLOWANCES FOR THIS PROJECT.
- 25. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND HAVE INSTALLED ANY ACCESS DOOR REQUIRED TO ACCESS ELECTRICAL EQUIPMENT AND/OR JUNCTION BOXES THAT REQUIRES ACCESS BEHIND GYPBOARD OR HARD CEILINGS AND IN WALLS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE GENERAL CONTRACTOR WITH THESE ACCESS DOORS FOR INSTALLATION IN THE CEILING OR WALL. ACCESS DOORS SHALL BE RATED FOR THE WALL, FLOOR, OR CEILING TYPE AND SHALL BE A MINIMUM SIZE OF 12"X12".
- 26. SITE VISIT REPORTS: DURING THE COURSE OF THE JOB, THE ENGINEER WILL MAKE SITE AND INSPECTION VISITS TO OBSERVE WORK IN PROGRESS AND WILL SUBSEQUENTLY PREPARE A WRITTEN SITE VISIT REPORT, WHICH WILL BE SENT TO THE CONTRACTOR AND TO WHOMEVER ELSE THE ENGINEER DESIRES. THE CONTRACTOR SHALL PROVIDE 48 HOUR WRITTEN NOTICE TO THE ENGINEER FOR ALL TESTING AND CITY INSPECTION SO THEY CAN ATTEND THESE INSPECTIONS. THE CONTRACTOR SHALL PREPARE A WRITTEN AND TYPED RESPONSE WITHIN SEVEN (7) CALENDAR DAYS OF HIS RECEIVING THE SITE VISIT REPORT. THE CONTRACTORS SHALL ACCOMPANY THE ENGINEER DURING THIS FINAL PUNCHLIST VISIT UPON THE REQUEST OF THE ENGINEER. THE GENERAL CONTRACTOR SHALL INCLUDE
- IN HIS RESPONSE THE FOLLOWING INFORMATION. DATE OF SITE VISIT BY THE ENGINEER.
- DATE OF RECEIPT OF THE SITE VISIT REPORT, NAME AND TITLE OF THE PREPARER OF THE RESPONSE.
- AN ITEM NUMBER REFERENCED TO THE SITE REPORT, 5 A BRIEF THREE OR FOUR WORD DESCRIPTION OF THE ITEM,
- THE CONTRACTOR OR SUBCONTRACTOR AFFECTED, THE PROPOSED COURSE OF ACTION, AND 8 AN EXPECTED TIME OF COMPLETION OF THE ACTION.
- 27. FINAL PUNCH REPORTS
- AT THE COMPLETION OF THE JOB, THE ENGINEER WILL MAKE PUNCHLIST SITE VISITS TO OBSERVE COMPLETED WORK AND WILL SUBSEQUENTLY PREPARE A WRITTEN SITE VISIT PUNCHLIST REPORT, WHICH WILL BE SENT TO THE CONTRACTOR AND TO WHOMEVER ELSE THE ENGINEER DESIRES. THE CONTRACTOR, UPON COMPLETION OF THE LISTED PUNCHLIST ITEMS, SHALL PREPARE A TYPEWRITTEN RESPONSE TO THE LIST INDICATING COMPLETION OF EACH ITEM. THE CONTRACTOR SHALL INCLUDE IN HIS RESPONSE THE RESOLUTION OF EACH ITEM. THE CONTRACTORS SHALL ACCOMPANY THE ENGINEER DURING THIS FINAL PUNCHLIST VISIT UPON THE REQUEST OF THE
- 28. ALL ELECTRICAL CONDUIT AND PANEL OPENINGS SHALL BE CAPPED DURING DEMOLITION AND CONSTRUCTION.
- 29. SUBSTITUTED PRODUCTS A. MATERIAL OR EQUIPMENT SPECIFIED BY MANUFACTURER'S NAME IS BEING USED AS A BASIS OF STANDARD NO SUBSTITUTION IS ALLOWABLE WITHOUT ENGINEER'S WRITTEN APPROVAL TEN (10) DAYS PRIOR TO BID DUE DATE UNLESS THE MANUFACTURER IS LISTED ON THE DRAWINGS OR IN THE SPECIFICATION AS BEING A PREAPPROVED ALTERNATIVE MANUFACTURER. ANY SUBMITTAL RECEIVED WITHOUT SUCH WRITTEN APPROVAL OR PRIOR APPROVAL IS SUBJECT TO UNQUALIFIED REJECTION.
- B. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT SUBMITTED SUBSTITUTE EQUIPMENT WILL FIT IN SPACE AVAILABLE. THE CONTRACTOR'S SUBMITTAL FOR ACCEPTANCE OF THE SUBSTITUTE SHALL INCLUDE A WRITTEN STATEMENT OF WHETHER OR NOT SUCH ACCEPTANCE WOULD REQUIRE ANY SUBSEQUENT OR ASSOCIATED CHANGES TO THE DRAWINGS OR SPECIFICATIONS. ANY SUCH CHANGES SHALL BE DESCRIBED IN WRITING, BRIEFLY BUT COMPLETE.
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COSTS OF ANY SUCH MODIFICATIONS DUE TO SUBSTITUTION OF MATERIALS OR EQUIPMENT FOR THAT WHICH WAS SPECIFIED OR SCHEDULED. THE COST SHALL BE COMPLETE, THAT IS, IT SHALL INCLUDE THE COST EFFECT OF ANY AND ALL OTHER TRADES
- D. THE ENGINEER MAY REQUEST DETAILED SHOP DRAWING OR PLAN LAYOUTS OF MECHANICAL ROOMS OR SYSTEMS OF THE SUBSTITUTED EQUIPMENT. E. SHOULD A SUBSTITUTION BE APPROVED BY THE ENGINEER (BASED UPON THE SUBSTITUTION SUBMITTAL
- REVIEW) AND ACCEPTED, AND SHOULD THE SUBSTITUTE MATERIAL OR EQUIPMENT PROVE DEFECTIVE, NOT MEETING DESIGN PARAMETERS, OR OTHERWISE UNSATISFACTORY FOR THE SERVICE INTENDED WITHIN THE GUARANTEE PERIOD, THIS MATERIAL OR EQUIPMENT SHALL BE REPLACED WITH THE MATERIAL OR EQUIPMENT SPECIFIED AT NO ADDITIONAL COST TO THE OWNER.

- INFORMATION IN THE SUBSEQUENT ELECTRICAL SECTIONS. WITHIN 10 DAYS AFTER AWARD OF THE CONTRACT, AND BEFORE ORDERS ARE PLACED, CONTRACTOR SHALL SUBMIT SPECIFIC INFORMATION ON LIST OF EQUIPMENT AND PRINCIPAL MATERIALS SPECIFIED. CONTRACTOR SHALL INDICATE AND/OR PROVIDE NAMES OF MANUFACTURERS, CATALOG AND MODEL NUMBERS, CUT SHEETS, AND SUCH OTHER SUPPLEMENTARY INFORMATION AS NECESSARY FOR EVALUATION. MINIMUM OF SIX (6) COPIES, OR AS DIRECTED BY THE ENGINEER, OF EACH SHALL BE SUBMITTED AND SHALL INCLUDE ALL TEMS MENTIONED BY MODEL NUMBER AND/OR MANUFACTURER'S NAME IN THE SPECIFICATIONS OR IN SCHEDULES ON THE DRAWINGS. C. REQUIREMENTS FOR EACH SUBMITTAL:
- 1. BEAR A DATED STAMP OR SPECIFIC WRITTEN INDICATION THAT THE CONTRACTOR HAS REVIEWED AND APPROVED ALL SUBMITTAL PRIOR TO SUBMISSION TO ENGINEER, HAVE ALL INFORMATION DELETED BY CONTRACTOR THAT PERTAINS TO THE MEANS AND METHODS OF
- CONSTRUCTION OR TO FABRICATION, ASSEMBLY, INSTALLATION, OR ERECTION (APPROVAL BY ENGINEER SHALL NOT EXTEND TO THESE AREAS UNLESS SPECIFICALLY NOTED BY ENGINEER), BE CLEARLY AND SPECIFICALLY MARKED AS TO WHICH SPECIFIC PIECE OF EQUIPMENT IS BEING
- SUBMITTED, BY USE OF A PERMANENT MARKER, STAMP, ETC., SO AS TO DISTINGUISH IT FROM OTHER PIECES OF EQUIPMENT THAT MAY OCCUR ON THE SAME PAGE. BE CLEARLY AND SPECIFICALLY MARKED AS TO WHICH AVAILABLE OPTIONS ARE BEING SUBMITTED
- THAT ARE ASSOCIATED WITH A PIECE OF EQUIPMENT, AND BE COMPLETE WITH RESPECT TO QUANTITIES, DIMENSIONS, SPECIFIC PERFORMANCE, MATERIALS, AND SIMILAR DATA TO ENABLE THE ENGINEER TO REVIEW THE PROPOSED EQUIPMENT. BE COMPLETE WITH RESPECT TO QUANTITIES, DIMENSIONS, SPECIFIC PERFORMANCE, MATERIALS, AND
- SIMILAR DATA TO ENABLE THE ENGINEER TO REVIEW THE PROPOSED EQUIPMENT BE CLEARLY AND SPECIFICALLY MARKED AS TO ANY AND ALL SUBMITTAL DEVIATIONS FROM THE
- DESIGN SPECIFICATION REQUIREMENTS SHALL BE PROVIDED IN WRITTEN FORM. OMISSION BY CONTRACTOR OF ANY OF THE ABOVE REQUIREMENTS OR SUBMITTALS WILL SUBJECT SUBMITTAL TO AUTOMATIC REJECTION WITHOUT REVIEW.
- REVIEW OF ANY KIND. SUBMITTALS SHALL INDICATE MINIMUM ACCESS AND SERVICE CLEARANCES IF REQUIRED BY THE SUBMITTED EQUIPMENT. . INSTALLATION INSTRUCTIONS - FOR CERTAIN PRODUCTS OR SYSTEMS AS IDENTIFIED IN SUBSEQUENT SPECIFICATIONS SECTIONS OR ON THE DRAWINGS, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE COPIES OF MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH THE SUBMITTAL. WHEN REQUIRED AS SUCH, THE INSTALLATION INSTRUCTIONS ARE CONSIDERED PART OF THE SUBMITTAL AND THEIR OMISSION MAY RESULT IN AUTOMATIC REJECTION OF THE SUBMITTAL. WHERE MORE THAN ONE IDENTICAL DEVICE ARE SCHEDULED, ONLY ONE SET OF INSTALLATION INSTRUCTIONS NEEDS TO BE SUBMITTED, E.G. IF SEVEN 200A 208V/3P PANELS ARE SCHEDULED. ONLY ONE 200A 208V/3P PANELS INSTALLATION INSTRUCTION NEEDS TO BE SUBMITTED. SIMILARLY, IF ONE SET OF INSTALLATION INSTRUCTIONS IS IDENTIFIED BY THE MANUFACTURER
- AND ON THE INSTRUCTIONS TO BE APPLICABLE TO MORE THAN ONE TYPE OR SIZE OF DEVICES, E.G. IF ONE SET OF PANEL INSTRUCTIONS IS GOOD FOR 100A, 150, 200A, PANELS, THEN ONLY ONE INSTRUCTION SET IS REQUIRED FOR THESE DEVICES. THIS ENGINEER WILL REVIEW THE SUBMITTALS FOR APPROVAL TWICE. ANY ADDITIONAL REVIEWS THAT ARE REQUIRED BY THE ENGINEER FOR WHATEVER REASON AFTER THE INITIAL TWO REVIEWS WILL RESULT IN ADDITIONAL COMPENSATION FOR THE ENGINEER'S TIME BY THE SUBMITTING CONTRACTOR AT THE ENGINEER'S
- . REQUIRED SHOP DRAWING SUBMITTALS: LIGHTING FIXTURES (AS NOTED IN LIGHTING FIXTURE SCHEDULE)
- MAIN DISTRIBUTION PANEL INCLUDING CIRCUIT BREAKERS PANELBOARDS INCLUDING CIRCUIT BREAKERS
- RECEPTACLES AND COVER PLATES DISCONNECTS INCLUDING FUSES OR MAGNETIC STARTERS
- GROUNDING WIRING CONDUIT

**30. SUBMITTAL REQUIREMENTS:** 

- FIRE ALARM SYSTEM ACCESS CONTROL AND SECURITY SYSTEM COMPONENTS
- DATA CABLING, TELEPHONE WIRING, AUDIO-VISUAL CABLING JUNCTION BOXES AND ENCLOSURES
- 32. ALL EXPOSED CONDUIT SHALL BE PAINTED TO MATCH ADJACENT SURFACES. 33. PROVIDE BLANK METAL COVERPLATES OVER ALL UNUSED OUTLET BOXES. PAINT COVERPLATE TO MATCH
- ADJACENT SURFACES. RECEPTACLE AND DATA OUTLET MOUNTING HEIGHTS INDICATED ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH OTHER TRADES FOR EXACT HEIGHT REQUIRED. HIS REQUIREMENT ALSO APPLIES TO SWITCHES, TELEPHONE OUTLETS, DATA OUTLETS, HVAC SENSORS, ETC.. ANY DEVICE THAT HAS TO BE RELOCATED DUE TO CONTRACTOR'S FAILURE TO COORDINATE LOCATION WITH
- 35. ALL RECEPTACLES TO BE 20A SPECIFICATION GRADE, IVORY. WALL PLATES TO MATCH. ISOLATED GROUND DUPLEX
- GFCI AND SHALL HAVE WHILE IN USE METAL WEATHERPROOF COVERS 36. COORDINATE WORK WITH ALL OTHER TRADES GIVING SPECIAL CONSIDERATION TO WORK DONE ABOVE CEILINGS,
- OUTLET LOCATIONS AT MILLWORK, AND SWITCH LOCATIONS IN REGARDS TO DOOR SWINGS.
- UNLESS NOTED OTHERWISE.
- 38. INSTALL WALL MOUNTED LIGHT FIXTURES, SWITCHES, OUTLETS, AND COMMUNICATION DEVICES IN STRICT COORDINATION WITH ARCHITECTURAL DETAILS, SECTIONS AND ELEVATIONS, AND ADA REQUIREMENTS.
- 39. FIRESTOPPING OF PENETRATIONS IN FIRE-RATED WALLS, FLOORS, ETC. SHALL BE DONE BY A FIRESTOPPING CONTRACTOR. ELECTRICAL CONTRACTOR SHALL MAKE REQUIRED PENETRATIONS IN RATED WALL, FLOORS, ETC. NEATLY AND WITH A CUTTING TOOL, THE CONTRACTOR SHALL MAKE THE PENETRATIONS NO LARGER THAN NECESSARY. AND THE CONTRACTOR SHALL COORDINATE ALL SUCH PENETRATIONS WITH THE FIRESTOPPING CONTRACTOR BEFORE SUCH PENETRATIONS ARE MADE.
- REFER TO SPECIFICATIONS FOR ALL COMMUNICATION SYSTEM REQUIREMENTS. (IN LIEU OF SPECS: PROVIDE 3/4" C W/ PULLCORD FROM COMMUNICATION OUTLETS TO 6" ABOVE LAY-IN CEILING.)
- 41. SUPPORT ALL FIXTURES FROM STRUCTURE ABOVE CEILING TILES OR PLASTER. CEILING SHALL NOT SUPPORT
- 42. FINISHED FLOOR ELEVATIONS FOR OUTLETS AND OTHER DEVICES ARE TO CENTER OF BOX. WHERE MILLWORK IS PRESENT, BOTTOM OF BOX SHALL BE MINIMUM OF 2" ABOVE BACK-SPLASH, REGARDLESS OF DIMENSION SHOWN ON DRAWINGS.
- 43. DOUBLE SET SCREW FITTINGS ARE ACCEPTABLE FOR STEEL CONDUIT AND COUPLINGS ONLY.
- 44. BEFORE INSTALLATION, EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, ANY DEVICE WITH ELECTRICAL CONNECTIONS, DUCTWORK, INSULATION, PIPING, VALVES, AIR DEVICES, ETC., SHALL NOT BE STORED DIRECTLY ON GRADE OR ON A SLAB OR FLOOR. BEFORE AND AFTER INSTALLATION, SUCH EQUIPMENT AND DEVICES SHALL BE ROTECTED FROM ENTRY OF DIRT. TRASH. WATER (EXCEPT AS REQUIRED), VERMIN, ETC. 45. DEVICES THAT MIGHT CAUSE OR OPERATE WITH VIBRATION OR NOISE SHALL BE ISOLATED PER MANUFACTURER'S
- RECOMMENDATIONS AND/OR PER SPECIFICATIONS.
- 46. SWITCHBOARDS, PANEL BOARDS AND TRANSFORMERS SHALL BE CUTLER-HAMMER, SQUARE-D, OR SIMILAR APPROVED BY THE ENGINEER.
- 47. USE THE FOLLOWING WIRING COLOR CODE: A. FOR WIRE SIZES 10 AWG AND SMALLER, INSTALL WIRE COLORS IN ACCORDANCE WITH THE FOLLOWING: BLACK AND RED FOR SINGLE PHASE CIRCUITS AT120/240 VOLTS. BLACK, RED, AND BLUE FOR CIRCUITS AT 120/208 VOLTS SINGLE OR THREE PHASE.
- ORANGE. BROWN, AND YELLOW FOR CIRCUITS AT 277/480 VOLTS SINGLE OR THREE PHASE. B. FOR WIRE SIZES 8 AWG AND LARGER, IDENTIFY WIRE WITH COLORED TAPE AT TERMINALS, SPLICES AND BOXES. COLORS ARE AS FOLLOWS:
- BLACK AND RED FOR SINGLE PHASE CIRCUITS AT 120/240 VOLTS. BLACK, RED, AND BLUE FOR CIRCUITS AT 120/208 VOLTS SINGLE OR THREE PHASE. BROWN, ORANGE, AND YELLOW FOR CIRCUITS AT 277/480 VOLTS SINGLE OR THREE PHASE.
- NEUTRAL CONDUCTORS: WHITE FOR 208/120V CIRCUITS. GREY FOR 480/277V CIRCUITS. BRANCH CIRCUIT CONDUCTORS: INSTALL THREE OR FOUR WIRE HOMERUNS WITH EACH PHASE UNIQUELY COLOR CODED.
- FEEDER CIRCUIT CONDUCTORS: UNIQUELY COLOR CODE EACH PHASE. F. GROUND CONDUCTORS: 1. FOR 6 AWG AND SMALLER: GREEN
- FOR 4 AWG AND LARGER: IDENTIFY WITH GREEN TAPE AT BOTH ENDS AND VISIBLE POINTS INCLUDING JUNCTION BOXES.
- 48. EACH 120 VOLT BRANCH CIRCUIT SHALL BE PROVIDED WITH A SEPARATE NEUTRAL, ONE FOR EACH PHASE WIRE. CIRCUIT BREAKER HANDLE TIES MAY BE USED INSTEAD OF SEPARATE NEUTRALS. COMPLY WITH ALL CODES.
- 49. PROVIDE ARC-FLASH LABELING ON ALL ELECTRICAL PANELS, BOTH NEW AND EXISTING. ALL LABELING SHALL BE
- DONE USING ANNEX H OF NFPA 70E, OR BY CALCULATIONS. 50. ALL STEP-DOWN TRANSFORMERS SHALL COMPLY WITH THE U.S. DOE 2016 LEGISLATION FOR ENERGY EFFICIENCY.
- 51. PROVIDE AN UN-SWITCHED PHASE WIRE FROM THE LINE SIDE OF THE ROOM'S LIGHT SWITCH TO THE EMERGENCY FIXTURE IN THAT ROOM.
- 52. MC CABLE MAY BE USED FOR BRANCH CIRCUITS WHERE ALLOWED BY CODE.
- 53. THE FIRE ALARM SYSTEMS SHOWN ON THESE PLANS ARE FOR COORDINATION AND BIDDING ONLY. THE INFORMATION SHOWN DOES NOT NECESSARILY REPRESENT THE REQUIRED FINAL ALARM SYSTEM LAYOUT REQUIREMENTS. THE FINAL ALARM SYSTEM LAYOUT IS TO BE SUBMITTED FOR PERMIT PURPOSES, AT A LATER DATE BY LICENSED ALARM SYSTEM INSTALLER. THE ALARM SYSTEM LAYOUT SHOWN IS TO BE VERIFIED WITH THE LICENSED INSTALLER PRIOR TO INSTALLATION OF CONDUIT AND DEVICE BOXES. THE FINAL LOCATION OF ALL DETECTORS (EXISTING AND NEW), AUDIO AND VISUAL ALARMS, AND ANY OTHER ALARM EQUIPMENT IS THE RESPONSIBILITY OF THE LICENSED ALARM SYSTEM INSTALLER. EQUIPMENT SPECIFICATION - TYPE, SIZE, RATING, AND ANY OTHER REQUIRED INFORMATION FOR THE REVIEW OF THE ALARM PLANS FOR PERMIT PURPOSES, IS TO BE SUPPLIED BY THE LICENSED ALARM INSTALLER ON THE FINAL ALARM SYSTEMS PLANS.
- 54. WHEN A FIRE SPRINKLER SYSTEM IS INSTALLED THE ASSOCIATED BACKFLOW PREVENTER HOT BOX SHALL HAVE A 20A 120V/1P POWER SUPPLY PROVIDED TO THE HOT BOX FOR CONNECTION THE HEATER.

IT'S THE LAW AND IT'S FREE - CALL BEFORE	YOU DIG
CALL TWO WORKING DAYS BEFORE YOU DIG IN TEXAS	1-800-344-8377 (1-800-DIG-TESS)
ES LA LEY	
GRATIS PARA USTED - LLAME ANTES I	DE ESCARVAR
LLAME 2 DIAS DE TRABAJO ANTES DE ESCARVAR EN TEXAS	1-800-344-8377 (1-800-DIG-TESS)



A. THE INTENT OF THIS SECTION IS TO GIVE GENERAL SUBMITTAL INFORMATION, REFER TO SPECIFIC SUBMITTAL

8. ANY SUBMITTALS RECEIVED BY ENGINEER THAT WERE NOT REQUESTED SHALL BE RETURNED WITHOUT

COUNTERTOPS, CHALKBOARDS, TACKBOARDS, ETC. WILL BE DONE AT NO ADDITIONAL COST TO THE OWNER.

RECEPTACLES (IG) WILL BE ORANGE BODY AND FACE PLATE. EXTERIOR RECEPTACLES SHALL BE WEATHERPROOF

37. WIRING SHALL BE THWN COPPER WITH MINIMUM SIZE OF #12, IN MINIMUM 3/4" (EMT) CONDUIT WITH CU. EGC.,

Interior Lighting Compliance Certificate **Project Information** 2018 IECC Energy Code: UMC CLINIC TI Project Title: Project Type Alteration Construction Site: Owner/Agent esigner/Contractor UNIVERSITY MEDICAL CENTER 1221 E SAN ANTONIO EMC ENGINEERS EL PASO, TX 79901 EL PASO, TX 11 E MISSOURI, STE 312 EL PASO, TX 79903 Allowed Interior Lighting Power Allowed Watts Area Category Floor Area Allowed Watts / ft2 (BXC) (ft2) 1-CLINIC AREA (Healthcare Facility:Exam/Treatment) 2520 Total Allowed Watts = Proposed Interior Lighting Power # of Fixture (C X D) Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast Lamps/ CLINIC AREA (Healthcare Facility:Exam/Treatment 1500 sq.ft.) LED 1: A: 1 X 4 SUBFACE MOUNT: LED Linear 33W: 55 330 LED 2: B: 2 X 4 TROFFER: LED Panel 44W: 12 43 516 LED 3: EM: EMERGENCY LIGHT: Other: 2 Exempt 4 Exemption:Emergency lighting automatically off during normal business operation LED 4: X1: EXIT LIGHT: Other: 1 2 Exempt Exemption:Exit signs LED 5: X2: EXIT/EMERGENCY LIGHT: Other: 1 1 2 Exempt Exemption:Exit signs Total Proposed Watts = 846 erior Lighting PASSES Interior Lighting Compliance Statement Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lightin systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.1.0 and to comply with any

Signature

har Planster

9/19/2019

applicable mandatory requirements listed in the Inspection CheckIst.

BOB BLANCHETTE, PE

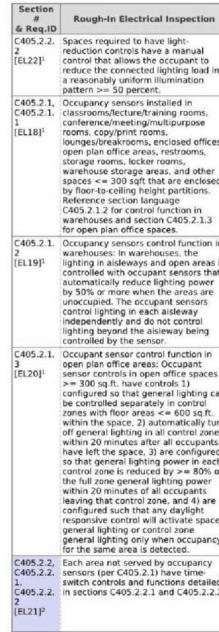
Name - Title

COMcheck Software Version 4.1.1.0

SY	MBOL LEGEND
SYMBOL	DESCRIPTION
$\bigcirc$	MECHANICAL EQUIPMENT DESIGNATION -SEE MECHANICAL
WP	EQUIPMENT SCHEDULE WEATHERPROOF
AFF	ABOVE FINISH FLOOR
EM	EMERGENCY
E OR EX	EXISTING
US GFCI	UNSWITCH LEG GROUND FAULT CIRCUIT INTERRUPTER
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AGFCI	ARC AND GROUND FAULT CIRCUIT INTERRUPTER
	LAY-IN 1X4 FIXTURE, TYPE AS INDICATED IN FIXTURE SCHEDULE.
	LAY-IN 2X4 FIXTURE. TYPE AS INDICATED IN FIXTURE SCHEDULE.
	LIGHTING FIXTURE INDICATED WITH CROSS SHADING IS CONNECTED TO EMERGENCY POWER SOURCE, OR HAS INTEGRAL BATTERY PACK 1100 LUMEN MIN.
Ś	CEILING MOUNTED EXIT FIXTURE AND OUTLET WITH DIRECTIONAL INDICATOR. TYPE AS INDICATED IN FIXTURE SCHEDULE.
<u>۵-5</u>	SELF-CONTAINED TWO-HEAD EMERGENCY BATTERY PACK FIXTURE. TYPE AS INDICATED IN FIXTURE SCHEDULE.
$\bigotimes$	CEILING MOUNTED EXIT FIXTURE WITH SELF-CONTAINED TWO-HEAD EMERGENCY BATTERY PACK. TYPE AS INDICATED IN FIXTURE SCHEDULE.
\$	SINGLE POLE WALL SWITCH. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED
\$3	THREE WAY WALL SWITCH. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED
J	JUNCTION BOX.
₽	GROUND QUADRUPLEX OUTLET. UP 18" TO CENTER OF RECEPTACLE OR AS INDICATED.
₽	DUPLEX CONVENIENCE OUTLET. UP 18" TO CENTER OF RECEPTACLE OR AS INDICATED.
$\triangleright$	DATA OUTLET FLUSH IN WALL, 4 11/16" SQUARE BOX, 2–1/8" DEEP, ONE DEVICE COVER, UP 18" TO CENTER OF RECEPTACLE OR AS INDICATED. EXTEND 3/4"C WITH PULLSTRING UP TO CEILING SPACE.
	TELEPHONE SYSTEM OUTLET UP 18" TO CENTER OF RECEPTACLE OR AS INDICATED.
	COMBINATION VOICE/DATA OUTLET FLUSH IN WALL, 4 11/16" SQUARE BOX, 2–1/8" DEEP, ONE DEVICE COVER, UP 18" TO CENTER OF RECEPTACLE OR AS INDICATED.
	VOICE/DATA OUTLET CEILING MOUNTED, ONE DEVICE COVER, AS INDICATED.
	MONITORING CAMERA
	BRANCH CIRCUIT IN WALLS OR CEILING.
<u>×-×   ?</u> ¶	HOME RUN TO PANEL WITH BRANCH CIRCUIT NUMBERS INDICATED. TIC MARKS REPRESENT NEUTRAL, HOT, SWITCH LEG, AND GROUND CONDUCTORS RESPECTIVELY. CONDUITS WITH NO TIC MARKS SHALL BE: "A HOT AND NEUTRAL", "A HOT AND SWITCH LEG", "A NEUTRAL AND SWITCH LEG", OR "HOT, NEUTRAL, AND GROUND OR ISOLATED GROUND", AS APPLICABLE.
	SYMBOLS SHOWN MAY NOT BE ON THIS PROJECT.

Inspection Checklist Energy Code: 2018 IECC Requirements: 0.0% were addressed directly in the COMcheck software

**Plan Review** & Req.ID Plans, specifications, and/or C103.2 calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment Not Applicable and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and



Section # & Req.ID	Rough-In Electrical Inspection				
C405.2.3, C405.2.3. 1, C405.2.3. 2 [EL23] <sup>2</sup>	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylig responsive control function and section C405.2.3.2 Sidelit zone.				
C405.2.4 [EL26] <sup>1</sup>	Separate lighting control devices for specific uses installed per approved lighting plans.				
C405.2.4 [EL27] <sup>1</sup>	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.				
C405.3 [EL6] <sup>1</sup>	Exit signs do not exceed 5 watts per face.				
C405.6 [EL26] <sup>2</sup>	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.				
C405.7 [EL27] <sup>2</sup>	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certificati under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).				
C405.8.2, C405.8.2. 1 [EL28] <sup>2</sup>	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.				
C405.9 [EL29] <sup>2</sup>	Total voltage drop across the combination of feeders and branch circuits <= 5%.				

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions	
C303.3, C408.2.5. 2 [FI17] <sup>3</sup>	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	Complies Does Not Not Observable Not Applicable		
C405.4.1 [FI18] <sup>1</sup>	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	Complies Does Not Not Observable Not Applicable	See the Interior Lighting fixture schedule for values.	
C408.1.1 [FI57] <sup>1</sup>	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	Complies Does Not Not Observable Not Applicable		
C408.2.5. 1 [FI16] <sup>3</sup>	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	Complies Does Not Not Observable		
C408.3 [FI33] <sup>1</sup>	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	Complies Does Not Not Observable Not Applicable		

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Additional Comments/Assumptions:

## COMcheck Software Version 4.1.1.0

is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided. **Comments/Assumptions** Complies? Complies Does Not Not Observable

	Complies?	Comments/Assumptions
n	Complies Does Not Not Observable Not Applicable	
es,	Complies Does Not Not Observable Not Applicable	
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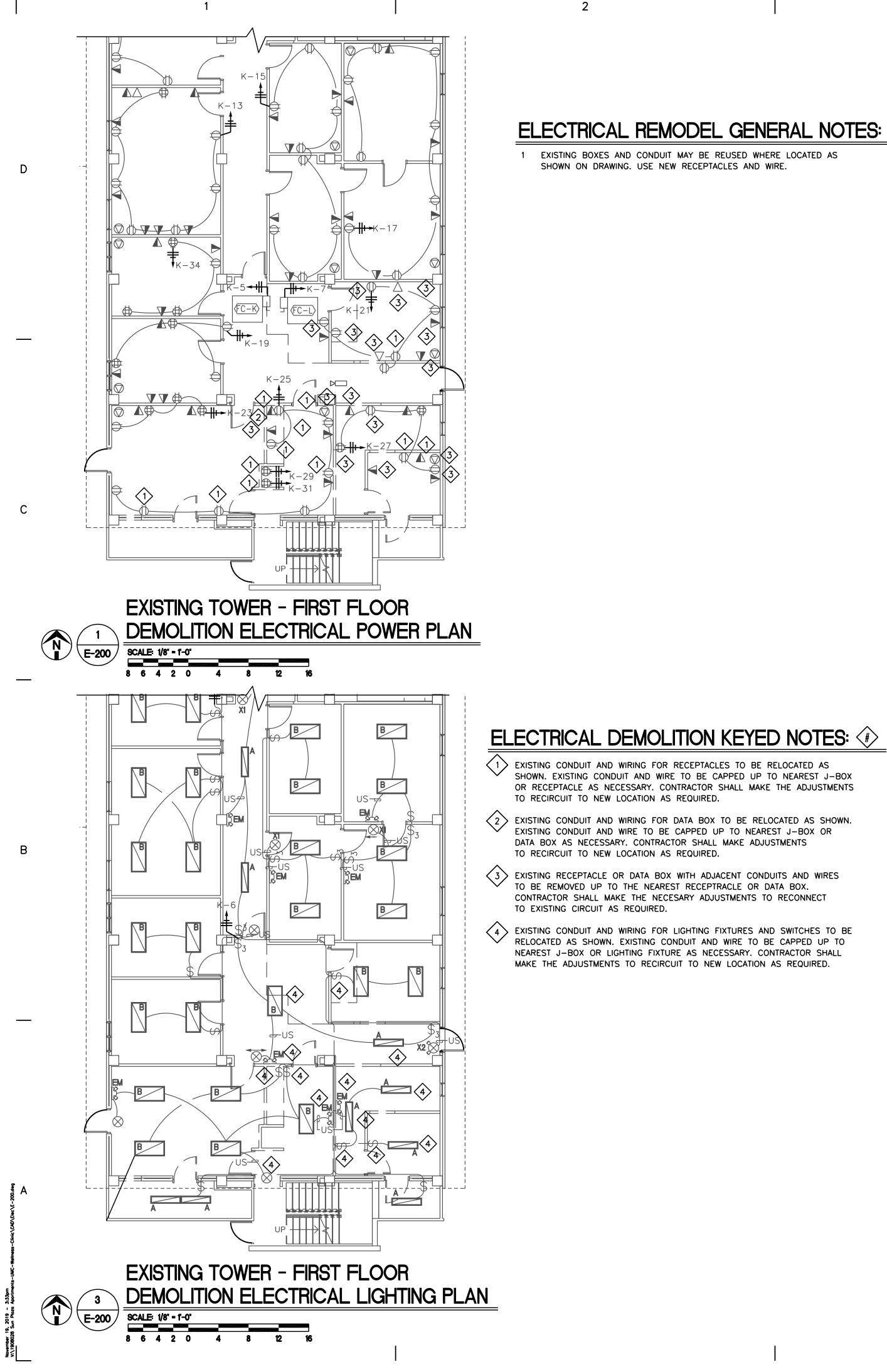
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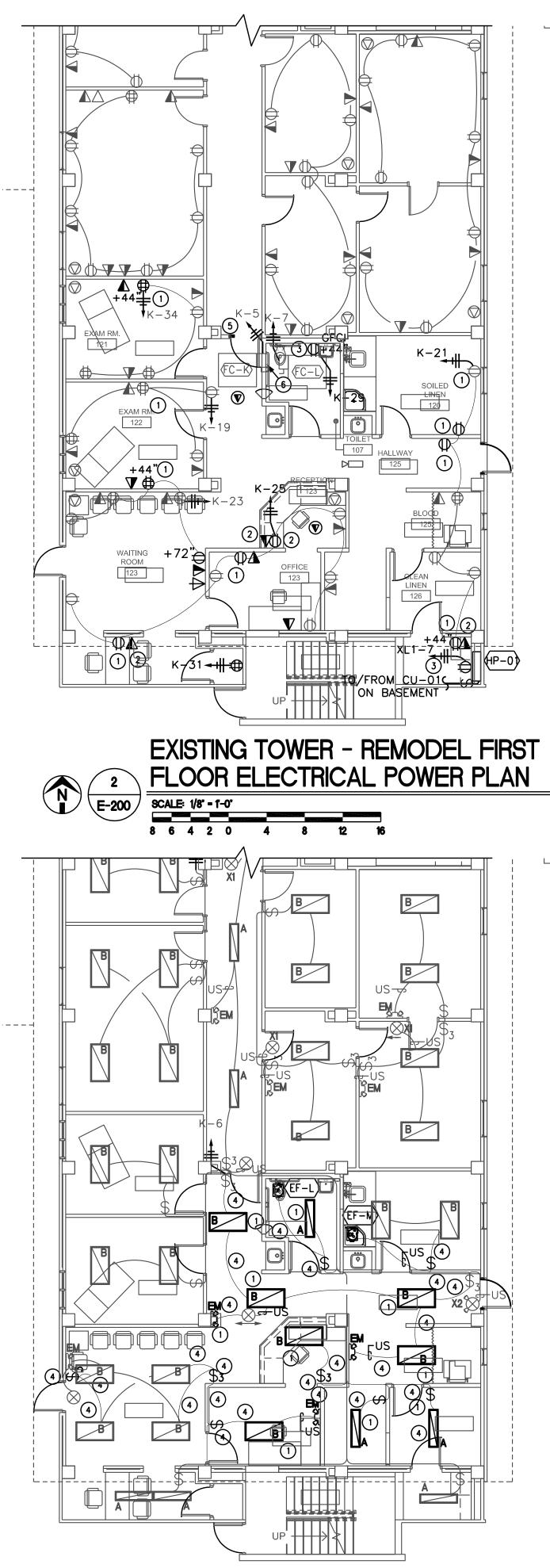
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s 1120820	COPYRIGHT 2014 WRIGHT & DALBIN ARCHITECTS, INC.
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	EMC
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	EMC ENGINEERS 2211 E. MISSOURI AVE. SUITE W-107 EL PASO, TEXAS. 79903 PH: 915-781-2030
	FAX: 915-781-2055 TEXAS FIRM REG. #F2491 EMC PROJECT #1908028
	CONTRACT DOCUMENTS COORDINATION THE DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT ARE TO BE TAKEN TOGETHER AS A SINGLE CONSTRUCTION CONTRACT
	DOCUMENT AND ANY DIVISION BY TRADE OR OTHER DESIGNATION IS COINCIDENTAL. GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL REVIEW AND COORDINATE THE ENTIRE SET OF DRAWINGS AND PROJECT MANUAL.
	UMC Clinic Tenant
	Improvements at HACEP SUN PLAZA
	1221 E. San Antonio Ave. El Paso, Texas 79901
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	5300 Paisano Dr., EL PASO TEXAS 79905
	TENANT
	UNIVERSITY
	MEDICAL CENTER
	4815 ALAMEDA AVE., EL PASO TEXAS 79905

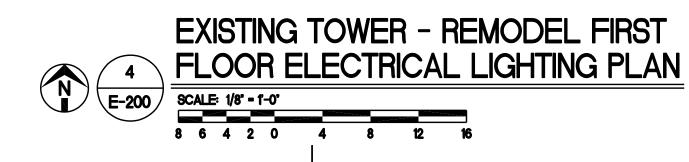
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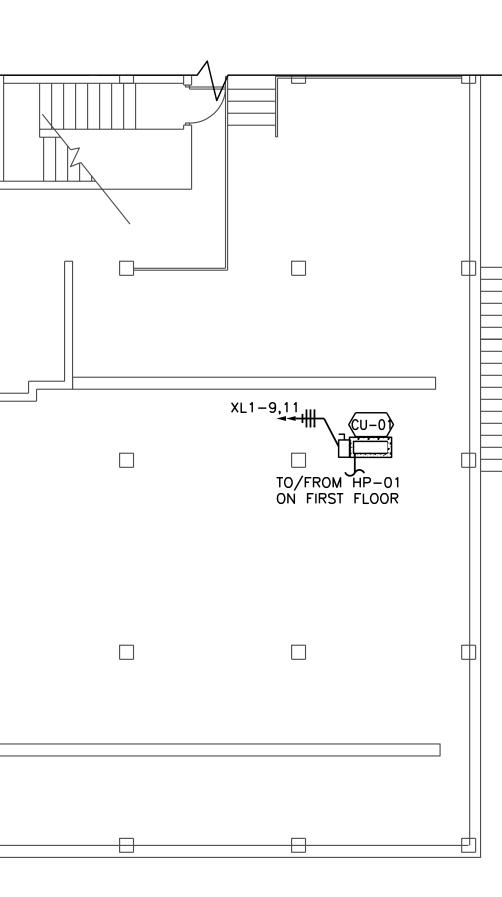
Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception

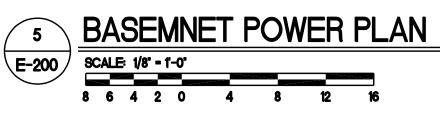
CONSTRUCTION SET











## ELECTRICAL REMODEL KEYED NOTES: (F)

(1) existing conduit and wiring for receptacles and lighting to b REUSED TO THE EXTENT POSSIBLE. EXTEND CIRCUITS AS REQUIRED. WHERE NEW WIRE PATHS ARE NECESSARY, USE WIREMOLD AND LOW PROFILE BOXES. CONTRACTOR SHALL DOCUMENT AND ADJUSTMENTS TO CIRCUITING REQUIRED AND MAINTAIN LOAD BALANCE ON PANEL.

(2) CONTRACTOR TO INSTALL PHONE AND COAX CABLE TO EXISTING DEMARC AND SHALL BE WIRED WITH RG-6/U COAX AND CAT 5 PHONE CABLE OR BETTER. TEST EACH EXISTING TELEPHONE AND CABLE OUTLET FOR PROPER FUNCTION. WHERE NON FUNCTIONAL OR A NEW LOCATION IS REQUIRED INSTALL A NEW BOX, WIREMOLD OR CONDUIT, PULL STRING AND THE APPROPRIATE CABLE. COORDINATE INSTALLATION WITH CABLE COMPANY.

3 CONTRACTOR TO INSTALL NEW GFCI RECEPTACLES AS SHOWN. INSTALL NEW BOX, CONDUIT AND WIRE, PULL STRING AS REQUIRED. LABEL ALL GFCI.

(4) NEW CONDUIT AND WIRING FOR LIGHTING FIXTURES AND SWITCHES AS REQUIRED OR TO BE RELOCATED AS SHOWN. CONTRACTOR SHALL MAKE THE ADJUSTMENTS TO RECIRCUIT TO NEW LOCATION AS REQUIRED.

(5) NEW SECURITRON MODEL 32 MAGNETIC LOCK CONNECTED WITH FIRE ALARM SYSTEM TO RELEASE WHEN ALARM ACTIVATED. COORDINATE WITH FIRE ALARM CONTRACTOR. INCLUDE KEYED SWITCH IN CORRIDOR FOR CONTROL BY UMC OFFICE. MAG LOCK SHALL DEACTIVATE WHEN POWER GOES OUT. CONTRACTOR SHALL PROVIDE TRANSFORMER, WIRING, CONNECTIONS AND ACCESSORIES FOR A FULLY FUNCTIONAL SYSTEM THAT WORKS WITH THE EXISTING FIRE ALARM. THE KEYED LOCK SWITCH SHALL BE KEYED TO MATCH THE DOOR LOCKS IN THE UMC SPACE. MAG LOCK SHALL ALSO HAVE AN OVERRIDE SWITCH IN UMC OFFICE IN CASE OF FAILURE ON EXIT SIDE,

(6) INSTALL PATIENT ASSIST NOTIFICATION SYSTEM AT THIS LOCATION.



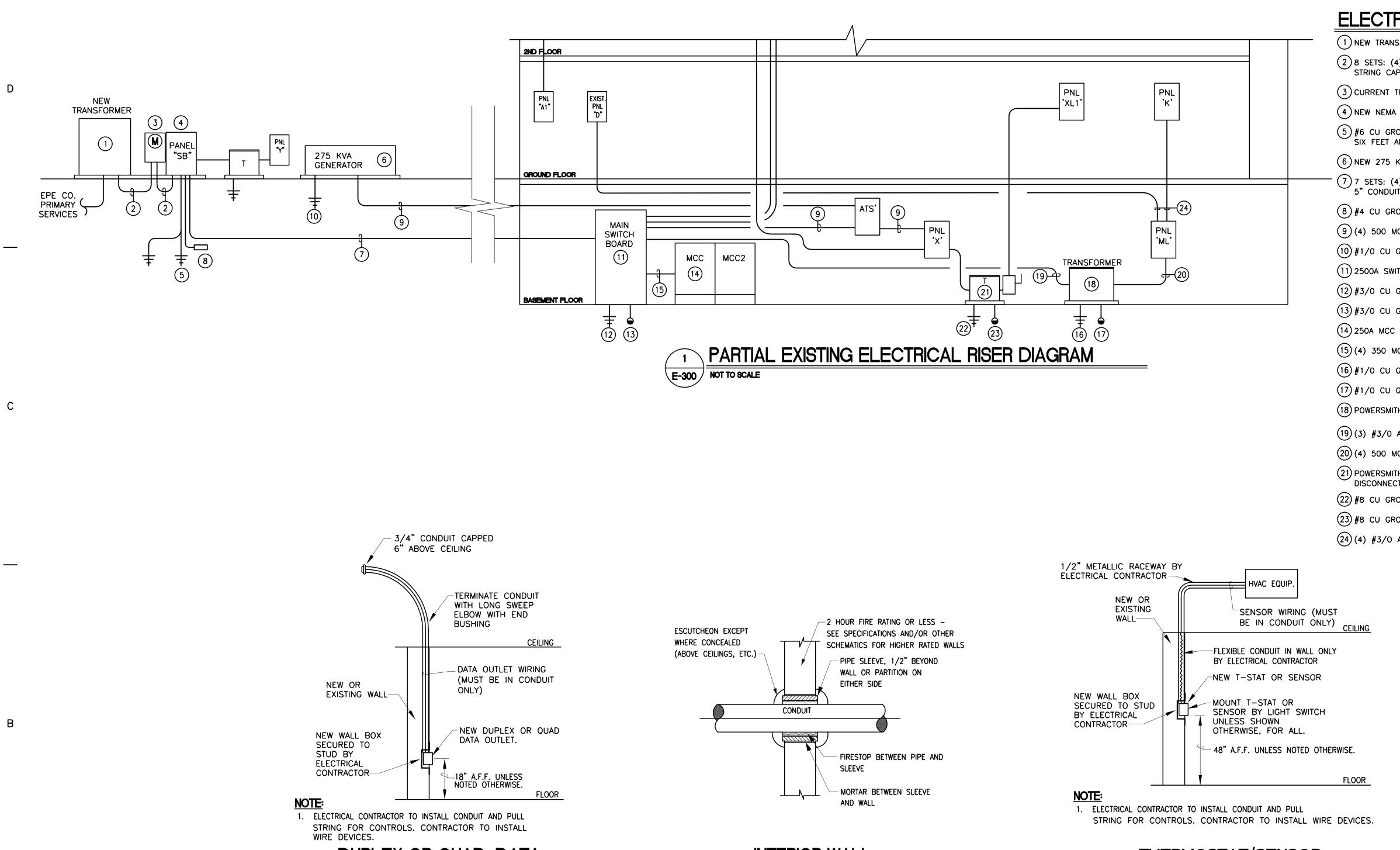
CONSTRUCTION SET REVISED 12 / 18 / 2019 Printed on: Wed, December 18, 2019

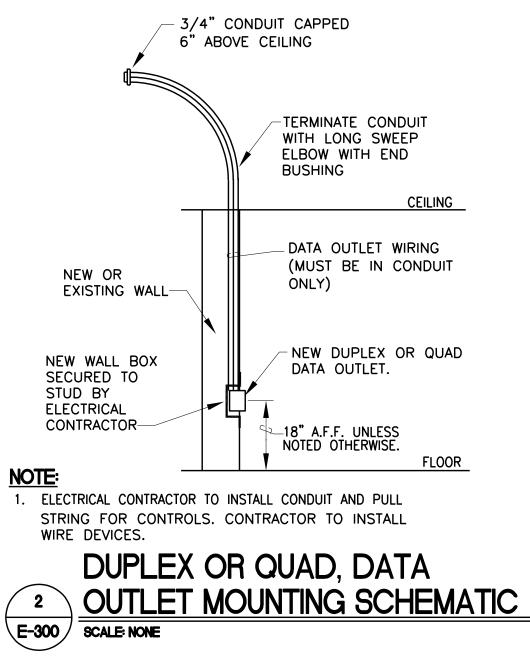


\_\_\_\_ 2 11-19-19 MAG LOCK 1 11-11-19 CITY COMMENTS MARK DATE DESC DESCRIPTION 19.05.30 05 23 2019 EMC EMC SHEET TITLE

> **EXISTING TOWER** -BASEMENT AND FIRST FLOOR ELECTRICAL POWER PLAN







INTERIOR WALL CONDUIT PENETRATION 3 E-300 SCALE: NONE

.3

THERMOSTAT/SENSOR MOUNTING SCHEMATIC 4 **E-300** SCALE: NONE

## ELECTRICAL KEYED NOTES: ()

1 NEW TRANSFORMER BY EPE.

4

2 8 SETS: (4) 700 MCM AL IN 4" CONDUIT. INSTALL SPARE 4" CONDUIT WITH PULL STRING CAPPED AT BOTH ENDS. CT-PANEL BONDING JUMPER 700 MCM CU.

5

(3) CURRENT TRANSFORMER AND METER PER EPE REQUIREMENTS

(4) NEW NEMA 3R 3000A SWITCHBOARD

5 #6 CU GROUND TO (2) 3/4" X 10" COPPER CLAD GROUND RODS SPACED SIX FEET APART. USE SEPARATE CONDUCTOR FOR EACH ROD.

6 NEW 275 KVA 480V GENERATOR

 $^{-}$   $\stackrel{7}{7}$  5 SETS: (4) 700 MCM AL AND 800 MCM GROUND IN 5" CONDUIT. INSTALL SPARE 5" CONDUIT WITH PULL STRING CAPPED AT BOTH ENDS.

(8) #4 CU GROUND TO UFER GROUND

(9) (4) 500 MCM AL THWN AND #2 GROUND IN 4" CONDUIT

(10) #1/0 CU GROUND TO 3/4" X 10' COPPER CLAD GROUND ROD (11) 2500A SWITCHBOARD

(12) #3/0 CU GROUND TO GROUND ROD

(13) #3/0 CU GROUND TO DOMESTIC COLD WATER PIPE.

(15) (4) 350 MCM AL AND #2 GROUND IN 3" CONDUIT

(16) #1/0 CU GROUND TO GROUND ROD

(17) #1/0 CU GROUND TO DOMESTIC COLD WATER PIPE.

(18) POWERSMITHS E-SAVER-33L 150KVA 480:208/120 TRANSFORMER

(19) (3) #3/0 AL AND #4 GROUND IN 2" CONDUIT

(20) (4) 500 MCM AL AND #2 GROUND IN 3" CONDUIT

21 POWERSMITHS E-SAVER-33L 9KVA 480:208/120 TRANSFORMER WITH 25A DISCONNECT

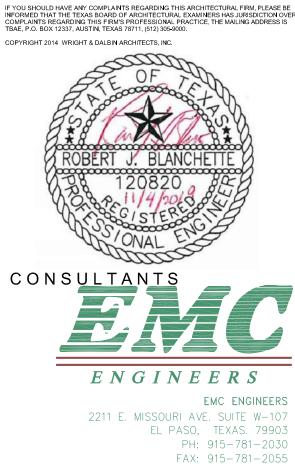
22) #8 CU GROUND TO GROUND ROD

(23) #8 CU GROUND TO DOMESTIC COLD WATER PIPE.

(24) (4) #3/0 AL AND #4 GROUND IN 2" CONDUIT.



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TEXAS FIRM REG. #F2491 EMC PROJECT #1908028 **CONTRACT DOCUMENTS COORDINATION** THE DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT ARE TO BE TAKEN TOGETHER AS A SINGLE CONSTRUCTION CONTRACT DOCUMENT AND ANY DIVISION BY TRADE OR OTHER DESIGNATION IS

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1221 E. San Antonio Ave. El Paso, Texas 79901

. . . . . . . . . . . . . . OWNER

5300 Paisano Dr., EL PASO TEXAS 79905

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TENANT

UNIVERSITY <sup>\*</sup> MEDICAL CENTER OF EL PASO 4815 ALAMEDA AVE., EL PASO TEXAS 79905

. . . . . . . . . . . . . . .

	MARK	DATE	DESCRIPTION
	$\bigcirc$		19.05.30
			05.23.2019
			EMC
	60	)	EMC
	SH	EET	TITLE
		AN	CAL RISER DIAGRAM D SCHEMATICS
		~ ~ ~ ~	
CONSTRUCTION SET -T			E-300

REV SED 12 / 18 / 2019 Panted on: Wed., December 18, 2019

		LIGHTING	FIXTURE	SCHEDUL	Ξ		
GENEF	RAL LIGHTING						
SYMBOL	MANUFACTURER NAME AND NUMBER	LAMPS	VOLTAGE	BALLAST	MOUNTING	DESCRIPTION	NOTES
A	PHILIPS WNA10 LED SS WW UE	LED	UNV	NA	GRID	1 X 4 6700 LUMEN SURFACE MOUNT 55W	
В	PHILIPS	LED	UNV	NA	RECESSED	2 X 4 4800 LUMEN LED TROFFER 43W	
	2TG48L835-4-FS-02F-UNV-DIM					WITH CEILING MOUNTING KIT	
EMERC	GENCY LIGHTING						
SYMBOL	MANUFACTURER NAME AND NUMBER	LAMPS	VOLTAGE	BALLAST	MOUNTING	DESCRIPTION	NOTES
X 1	LSI	1W LED	UNV	NA	UNIVERSAL	LED EXIT SIGN	
	EX R U WB WH					LIGHT WITH BATTERY BACKUP	
X2	LSI	3W LED	UNV	NA	UNIVERSAL	LED EXIT / EMERGENCY LIGHT COMBO	
	LPRX R U WH LD11					LIGHT WITH BATTERY BACKUP	
EM	LITHONIA LIGHTING\PELM2 LED	1.44W LED	UNV	NA	WALL	LED EMERGENCY LIGHT	
	LTEM WH				MOUNTED	WITH BATTERY BACKUP	
NOTES							
1.	LIGHT FIXTURES SHALL BE AS SPECIFIED AND NO SUBSTITUTIONS WILL BE A	LLOWED UNLESS PRIOR APPROVI	ED PER SPECIFI	CATIONS.			
2.	REFER TO PLAN FOR TYPES AND QUANTITIES USED. ALL TYPES LISTED ABOV	E DO NOT NECESSARILY APPEAR	ON PLAN.				
3.	UPON COMPLETION OF THE PROJECT THE CONTRACTOR IS TO PROVIDE LABO	IR TO ADJUST THE COMPLETE IN	ITERIOR LIGHTING	G PER THE DIREC	CTION OF THE USER	,	
	ARCHITECT AND THIS OFFICE. THIS ADJUSTMENT IS NECESSARY TO FINALIZE	THE LIGHTING SYSTEM					
4.	LED LIGHTING SHALL HAVE 5 YEAR WARRANTY. LED LIGHTING SHALL BE DCL	CERTIFIED.					
5.	"MVOLT" DENOTES BALLAST AS MULTI-TAP FOR 120V, 208V, 240V AND 277						
6.	"CBA" INDICATES COLOR BY ARCHITECT. "FBA" INDICATES FINISH BY ARCHITE	CT.					

										PANEL "XL1"									
	TYPE: WYE					208/120			PHASE		WIRE			ENCLOSURE					
					SIC:	14,000	AIC	MAIN:	30	AMPS	TYPE:	MCB			RECESSED MOUNTED				
		DCATION: FIRE	ROOM					BUS:	40	AMPS	TYPE:	COPPER		NDING BUS:					_
WIRE / CONDUIT	СКТ				LOAD	DESCRIPTIO				LOAD IN VA				LOAD DESCR				Скт	
	NO.	TYPE		SERVICE		POLE	AMP	VA	PH "A"	PH "B"	РН "С"	VA	AMP	POLE	SERVICE		TYPE		
	1	R FIRE				1	20	1,000	1,800			800	20	1	FIRE	PUMP CONTROLLER	२ ०	2	
	3		NOTIFICATION			1	20	1,000		1,000								4	
	5	R FIRE				1	20	720		$\bot$ $\_$ $\_$ $\_$ $\_$ $\bot$	870	150	20	1		LIGHTIN	G C	6	
	7	R NEW	MEDICATION R	EFRIGERATOR		1	20	750	75(									8	
	9	M NEW	CU-01			2	20	1,150		1,150								10	
	11	М						1,150			1,150							12	
	13								(									14	
	15									0								16	
	17										0							18	
	WIRING	AND CONDUITS	SHALL BE IN	ACCORDANCE WITH			C	ONNECTED VA	2,550		2,020								
	E-000	ELECTRICAL G	ENERAL NOTES	S #36 AND #46, UNLESS			CON	NECTED AMPS	21.3	17.9	16.8			20.78%	UNBALANCE 🕱				
	NOTED	OTHERWISE.			_		TOTAL CO	NNECTED KVA	6.7		21.3	MAX. AMPS							
	DEMAND	LOADS MAY V	ARY FROM CON	NECTED	_			ERSITY AMPS	21.3		17.1								
	LOADS	BECAUSE OF C	ODE DIVERSITIES	S				DIVERSITY VA	2,550		2,058								
							TOTAL D	IVERSITY KVA	6.8	208.0	21.3	DIVERSITY MA	AX. AMPS		PANEL BUS/MAIN BASED UPON DIVER	RSITY MAX AMPS			
	TYPE OF						VA		TOTAL	DEMAND		DIVERSITY VA		DIVERSITY					
		DESCRIPTION				PH "A"	PH "B"	PH "C"	VA	FACTOR	PH "A"	РН "В"	РН "С"	VA					
		CONTINUOUS				(	) (	) 150	150		0	0	188	18	8				
		NON-CONTINU	OUS			(	) (	) 0	C	1.00	0	0	0	(	0				
		KITCHEN				(	) (	0	(	0.65	0	0	0		0				
		RECEPTACLES				1,750	) 1,000	720	3,470		1,750		720	3,47	0 NO DIVERSITY PER 2014 NEC TABLE	220.44 <= 10,00	0 VA		
	0	OTHER				800	) (	) 0	800		800	0	0	80	0				
	М	MECHANICAL			_	(	) 1,150	1,150	2,300	<u> </u>	0	1,150	1,150	2,30	0				
		TOTAL KVA			-	2,550	) 2,150	2,020	6,720		2,550	2,150	2,058						

PRE         SERVICE         SE					EXIS	TING PANE	L "K" SCHE	DULE					
Sic         14.00         NO         NN         NO         NN         TPC         MCB	TYPE: WYE		SERVICE: 208/120	VOLT							ENCLOSURE	: NEMA 1	
UNITY         COUNDS         UNITY         COUNDS         UNITY         COUNDS         COUNDS <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>МСВ</th> <th></th> <th></th> <th></th> <th></th>									МСВ				
VRE / CONDUT         Chi         LOD DESCRIPTION         LOD DESCRIPTION         Chi         LOD DESCRIPTION         Chi         Chi<		OCATION: SOUTH CORRICOR	·		BUS:					GROU			
Inc.         ND.         THE         SERVICE         POL         AUP         PAY CTO         AUP         POL         SERVICE         THE         NO.           1         M         MA COL         1         1         2         2,00         3,40          1,440         2         1         BECOMPALIS         8<			LOAD DESCRIPTION										СКТ
I         M         RA COLI         I         23         2000         Mode 2480		TYPE SERVICE			VARVIG	TINIPH "A"		РН "С"	VA	AMP			
S         M         PNL COL J         1         15         1,120         1,120         1,200         10         PRECEPTALES         R         4           7         M         FAN COL K         1         15         1,120          2,300         200         1         MCCEPTALES         R         6           9         M         FAN COL L         1         15         1,120         2,300         1.200         20         1         MCEPTALES         R         RECEPTALES         R         R         R         RECEPTALES         R	1		1	25	2.040	3.480		_	1,440	20	1		
S         M         FAX COL K         1         15         11.20         2.20         1.200         2.00         1         Cold (1)         C         6 <t< td=""><td>3</td><td></td><td>1</td><td></td><td></td><td>-,</td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td></t<>	3		1			-,					1		
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172       R       RECEPTACLES       1       20       1,440        2,620       1,080       20       1       RECEPTACLES       R       16         210       R       RECEPTACLES       1       20       7,20       900        180       20       1       RECEPTACLES       R       22         210       R       RECEPTACLES       1       20       1,080        180       20       1       RECEPTACLES       R       22         210       R       RECEPTACLES       1       20       1,260        2,000       1       R       RECEPTACLES       R       22         210       R       RECEPTACLES       1       20       1,260        900       20       1       R       RECEPTACLES       8       24         210       R       RECEPTACLES       1       20       360        1.680       1.690       20       1       R       8       24         31       R       RECEPTACLES       1       20       360        1.680       1.680       20       1       R       8       34         33 <t< td=""><td></td><td></td><td>1</td><td></td><td></td><td>1,770</td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td></t<>			1			1,770					1		
Instruction			1			┣────	2,040				1		
21     R     RCCPTALLES     11     20     1,80     20     1     PRCCPTALLES     R     22       25     R     RECEPTALLES     11     20     1,260      8,700     1,400     20     1     RECEPTALLES     R     24       25     R     RECEPTALLES     11     20     1,260      8,700     1.0     0.0     1     RECEPTALLES     R     26       20     1     RECEPTALLES     11     20     1,260      8,700     20     1     RECEPTALLES     R     28       20     1     RECEPTALLES     11     20     360      1.860     1.500     20     1     RECEPTALLES     32       20     33     R     RECEPTALLES     11     20     360      1.860     1.500     20     1     RECEPTALES     32       21     33     R     RECEPTALLES     11     20     360      1.860     1.500     20     1     RECEPTALES     34       220     33     R     RECEPTALES     11     20     360      1.820     1.020     20     1     RECEPTALES     36     36			<u> </u>			900	+	2,020			1		
23         R         RECEPTACLES         1         20         1,260         2,200         1,400         20         1         RECEPTACLES         2           25         R         RECEPTACLES         1         20         1,260         2,180          900         20         1         RECEPTACLES         28           29         R         RECEPTACLES         1         20         1,260          800         20         1         RECEPTACLES         28           31         R         RECEPTACLES         1         20         360          1.800         1.00         20         1         RECEPTACLES         32           31         R         RECEPTACLES         1         20         360          1.800          1.800         20         1         RECEPTACLES         34           33         R         RECEPTACLES         1         20         360          1.800         20         1         RECEPTACLES         34           33         R         RECEPTACLES         1         20         200          1.200         1.800         20         1         RECEPTACLES<			i			500					1		
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35       R       RECEPTACLES       1       20       180       10       1,260       1,080       20       1       RECEPTACLES       R       36         37       0       DOOR       1       20       200       200       200       10       38       38         39       31       1       20       200       200       0       0       38       38         41       0       1       20       200       11.20       200       0       0       40			1			1,100					1		
37         0         DOOR         LOCKS         1         20         200			1				1,020				1		
39         0         0         0         0         0         0         0         40           41         0         0         0         0         0         0         42         42           WIRING AND CONDUITS SHALL BE IN ACCORDANCE WITH E-100 ELECTRICAL GENERAL NOTES #36 AND #46, UNLESS NOTED OTHERMISE.         CONNECTED VA         11,720         11,820         12,240         4.25%         UNBALANCE %           DEMAND LOADS MAY VARY FROM CONNECTED LOADS BECAUSE OF CODE DIVERSITIES         DIVERSITY MAYS         90.7         96.5         102.0         4.25%         UNBALANCE %         5.500						200	+	1,200	1,060	20		RECEPTACLES R	
41         0         0         0         0         0         42           WRNG AND CONDUTS SHALL BE IN ACCORDANCE WITH E-100 ELECTRICAL GENERAL NOTES #36 AND #46, UNLESS NOTED OTHERWISE. DEMANDL DADS MAY VARY FROM CONNECTED LOADS MAY VARY FROM CONNECTED         0         0         0         11.820         112.20         12.840         4.257         UNBALANCE %         0		U DOUR LUCKS	I	20	200	200							
WRING AD CONDUTS SHALL BE IN ACCORDANCE WITH E -100 ELECTRICAL GENERAL DIVISES #38 AND #46, UNLESS NOTED OTHERWISE. DEMAND LOADS MAY VARY FROM CONNECTED LOADS BECAUSE OF CODE DIVERSITIES         CONNECTED AMPS         97.7         99.6         102.0         4.25%         UNBALANCE %           TYPE OF LOAD: DESCRIPTION         DESCRIPTION         TOTAL CONNECTED KVA DIVERSITY VA         35.8         208.0         86.0         80.0         80.0         80.0         80.0         10.2.0         MAX. AMPS         PANEL BUS/MAIN BASED UPON DIVERSITY MAX. AMPS           TYPE OF LOAD: DESCRIPTION         VA         TOTAL DIVERSITY VA         29.6         208.0         86.0         DIVERSITY VA         29.6         208.0         86.0         0.0						$\vdash$ $    -$	0						
E-100       ELECTRYLGL GENERAL NOTES #36 AND #46, UNLESS NOTED OTHERWISE.       CONNECTED AMPS       97.7       96.5       102.0       MAX. AMPS         DEMAND LOADS MAY VARY FROM CONNECTED LOADS BECAUSE OF CODE DIVERSITIES       TOTAL CONNECTED KVA       35.8       208.0       102.0       MAX. AMPS         TOTAL CONNECTED KVA       35.8       208.0       102.0       MAX. AMPS         TOTAL CONNECTED KVA       9.660       10.320       9.600         DIVERSITY VA       9.660       10.320       9.600         TOTAL DIVERSITY VA       9.660       10.320       9.600         DIVERSITY VA       9.660       10.320       9.600         TOTAL DIVERSITY KVA       29.6       208.0       86.0       DIVERSITY MAX. AMPS       PANEL BUS/MAIN BASED UPON DIVERSITY MAX AMPS         DESCRIPTION       VA       TOTAL       DEMAND       DIVERSITY VA       DIVERSITY VA <td></td> <td></td> <td></td> <td></td> <td></td> <td>11 200</td> <td>11,000</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td>42</td>						11 200	11,000	0					42
NOTED         OTHERWISE. DEMAND         TOTAL         CONNECTED         KVA         35.8         206.0         102.0         MAX.         AMPS           DIVERSITY         AMPS         80.7         86.0         80.0         86.0         80.0         86.0         80.0         86.0         80.0         86.0         80.0         86.0         80.0         86.0         80.0         86.0         80.0         86.0         80.0         86.0         80.0         86.0         80.0         80.0         80.0         80.0         80.0         80.0         80.0         80.0         80.0         80.0         80.0         80.0         80.0         80.0         80.0         80.0         80.0         9.600											4.05.97		
DEMAND LOADS MAY VARY FROM CONNECTED LOADS BECAUSE OF CODE DIVERSITIES         DIVERSITY VA         80.7         86.0         80.0           DIVERSITY VA         9.680         10.320         9.600         10.320         9.600           TYPE OF LOAD:         TOTAL DIVERSITY VA         29.6         208.0         86.0         DIVERSITY VA         9.680           TYPE OF LOAD:         VA         TOTAL DIVERSITY VA         29.6         208.0         BC.0         DIVERSITY VA         DIVERSITY VA           DESCRIPTION         VA         FACTOR         PH "A"         PH "B"         PH "C"         VA           C         CONTINUOUS         800         2,400         1,200         4,400         1.25         1,000         3,000         1,500         5,500           N         NON-CONTINUOUS         0			5								4.20%	UNBALANCE %	
LOADS         BECAUSE OF CODE DIVERSITIES         DIVERSITY VA         9,680         10,320         9,600           TOTAL DIVERSITY VA         29.6         208.0         86.0         DIVERSITY MAX. AMPS         PANEL BUS/MAIN BASED UPON DIVERSITY MAX AMPS           TYPE OF LOAD:         VA         TOTAL         DEMAND         DIVERSITY VA         DIVERSITY VA         DIVERSITY VA         AMPS           DESCRIPTION         VA         FACTOR         PH "G"         PH "C"         VA         FACTOR         PH "C"         VA           C         CONTINUOUS         800         2,400         1,200         4,400         1,25         1,000         3,000         1,500         5,500           N         NON-CONTINUOUS         0													
TYPE OF LOAD:       VA       TOTAL DIVERSITY KVA       29.6       208.0       B0.0       DIVERSITY MAX. AMPS       PANEL BUS/MAIN_BASED_UPON_DIVERSITY MAX_AMPS         TYPE OF LOAD:       DESCRIPTION       VA       TOTAL       DEMAND       DIVERSITY VA       DIVERSITY VA       DIVERSITY         DESCRIPTION       PH "A"       PH "B"       PH "C"       VA       FACTOR       PH "A"       PH "B"       PH "C"       VA         C       CONTINUOUS       800       2,400       1,200       4,400       1.25       1,000       3,000       1,500       5,500         N       NON-CONTINUOUS       0       0       0       0       0       0       0       0       0         K       KITCHEN       0       0       0       0       0       0       0       0       0       0         R       RECEPTACLES       7,560       7,100       9,920       24,580       1.000       5,320       5,030       17,300       DIVERSITY PER 2014 NEC TABLE 220.44         O       OTHER       200       0       0       0       0       0       0       0       0       0         M       MECHANICAL       3,160       2,320       1,120													
VA         TOTAL         DEMAND         DIVERSITY         VA         DIVERSITY           DESCRIPTION         PH "A"         PH "C"         VA         FACTOR         PH "A"         PH "C"         VA           C         CONTINUOUS         B800         2,400         1,200         4,400         1.25         1,000         3,000         1,500         5,500           N         NON-CONTINUOUS         0 </td <td>LUADS</td> <td>BECAUSE OF CODE DIVERSITIES</td> <td></td>	LUADS	BECAUSE OF CODE DIVERSITIES											
DESCRIPTION       PH "A"       PH "B"       PH "C"       VA       FACTOR       PH "A"       PH "B"       PH "C"       VA         C       CONTINUOUS       800       2,400       1,200       4,400       1.25       1,000       3,000       1,500       5,500         N       NON-CONTINUOUS       0       0       0       0       0       0       0         K       KITCHEN       0       0       0       0       0       0       0       0       0         R       RECEPTACLES       7,560       7,100       9,920       24,580       1.00       5,320       5,000       6,980       17,300       DIVERSITY PER 2014 NEC TABLE 220.44         O       OTHER       200       0       0       200       0       200       0       0       2,320       1,120       6,600         M       MECHANICAL       3,160       2,320       1,120       6,600       1.00       3,160       2,320       1,120       6,600				IOTAL DI	VERSIII KVA	29.0	200.0	00.0	DIVERSITI	IAA. AMFO		PANEL BUSYMAIN DASED OF ON DIVERSITI MAX AMPS	
DESCRIPTION       PH "A"       PH "B"       PH "C"       VA       FACTOR       PH "A"       PH "B"       PH "C"       VA         C       CONTINUOUS       800       2,400       1,200       4,400       1.25       1,000       3,000       1,500       5,500         N       NON-CONTINUOUS       0       0       0       0       0       0       0         K       KITCHEN       0       0       0       0       0       0       0       0       0         R       RECEPTACLES       7,560       7,100       9,920       24,580       1.00       5,320       5,000       6,980       17,300       DIVERSITY PER 2014 NEC TABLE 220.44         O       OTHER       200       0       0       200       0       200       0       0       2,320       1,120       6,600         M       MECHANICAL       3,160       2,320       1,120       6,600       1.00       3,160       2,320       1,120       6,600	TYPE			٧٨		τοται							
C       CONTINUOUS       800       2,400       1,200       4,400       1.25       1,000       3,000       1,500       5,500         N       NON-CONTINUOUS       0       0       0       0       0       0       0         K       KITCHEN       0       0       0       0       0       0       0       0         R       RECEPTACLES       7,560       7,100       9,920       24,580       1.00       5,320       5,000       6,980       17,300       DIVERSITY PER 2014 NEC TABLE 220.44         O       OTHER       200       0       0       200       1,120       6,600       1.00       3,160       2,320       1,120       6,600         M       MECHANICAL       3,160       2,320       1,120       6,600       1.00       3,160       2,320       1,120       6,600			РН "А"		РН "С"				PH "R"				
N       NON-CONTINUOUS       0       0       0       0       0       0       0         K       KITCHEN       0       0       0       0       0       0       0       0         R       RECEPTACLES       7,560       7,100       9,920       24,580       1.00       5,320       5,000       6,980       17,300       DIVERSITY PER 2014 NEC TABLE 220.44         O       OTHER       200       0       0       200       0       0       200         M       MECHANICAL       3,160       2,320       1,120       6,600       1.00       3,160       2,320       1,120       6,600	C			· · · · <b>-</b>								n	
K       KITCHEN       0       0       0       0       0       0         R       RECEPTACLES       7,560       7,100       9,920       24,580       1.00       5,320       5,000       6,980       17,300       DIVERSITY       PER       2014       NEC       TABLE       220.44         0       0 THER       200       0       0       200       1.00       200       0       0       200         M       MECHANICAL       3,160       2,320       1,120       6,600       1.00       3,160       2,320       1,120       6,600	Ň		0	0	0	0		0	0,000	0	0,000		
R       RECEPTACLES       7,560       7,100       9,920       24,580       1.00       5,320       5,000       6,980       17,300       DIVERSITY       PER       2014       NEC TABLE       220.44         0       0 THER       200       0       0       200       0       0       200         M       MECHANICAL       3,160       2,320       1,120       6,600       1.00       3,160       2,320       1,120       6,600	K		0	0	0	0		0	0	0	(	- D	
O       OTHER       200       0       200       1.00       200       0       200         M       MECHANICAL       3,160       2,320       1,120       6,600       1.00       3,160       2,320       1,120       6,600	R		7,560	7.100	9.920	24.580		5.320	5.000	6.980	17.300	D DIVERSITY PER 2014 NEC TABLE 220.44	
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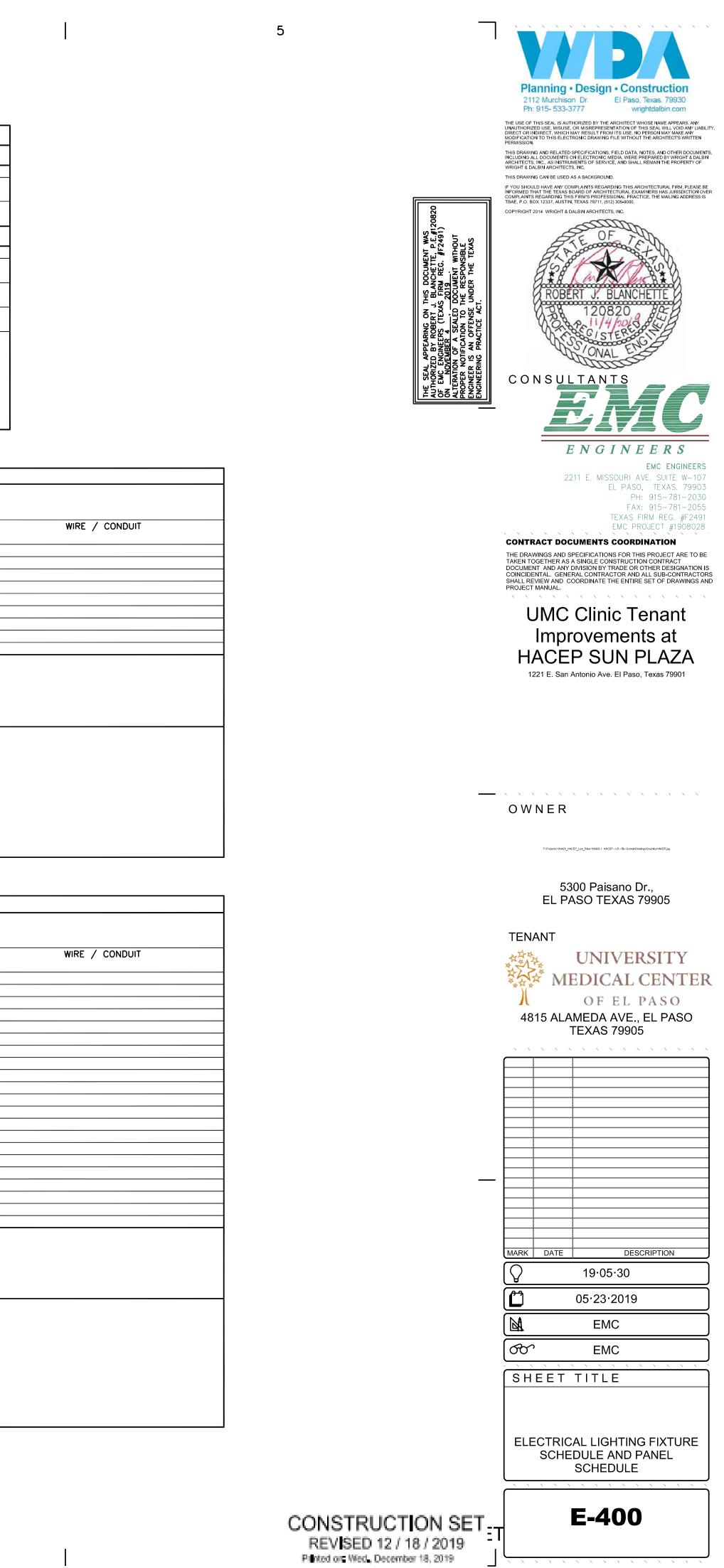
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## LICUTING EVALUE SCUEDULE



MECHAI SYMBOL	NICAL SYMBOL LEGEND				
	NEW EQUIPMENT				
	NEW WORK KEYED NOTE				
	SEQUENCE NUMBER				
$\square$					
$\square$	EXHAUST RETURN OR EXHAUST				
	BALANCING DAMPER (BD)				
	CFM VALUE FOR AREA				
	TOTAL CFM VALUE FOR AIR HANDLER (AH)				
20X12 2	NEW DUCTWORK				
20x12	SUPPLY AIR DUCT UP (POSITIVE PRESSURE)				
≥ <sup>20X12</sup>	RETURN, OR OUTSIDE AIR INTAKE DUCT UP (NEGATIVE PRESSURE) EXHAUST DUCT UP (NEGATIVE PRESSURE)				
20x12	EXHAUST DUCT DN (NEGATIVE PRESSURE)				
	SUPPLY AIR DUCT DOWN (POSITIVE PRESSURE)				
20x12	RETURN, EXHAUST OR OUTSIDE AIR INTAKE DUCT DOWN (NEGATIVE PRESSURE)				
<u>20x20 کے ج</u>	ACOUSTICAL DUCT LINING (FIGURES SHOWN ARE INSIDE DUCT DIMENSIONS				
20x12 7 m X	DUCT FLEXIBLE CONNECTION (FC)				
	SOUND ATTENUATOR (SA)				
	TRANSITION CONCENTRIC UNLESS TOP LEVEL(TOP LVL) OR BOTTOM LEVEL(BOT LVL) IS NOTED				
20X2016ø	TRANSITION, RECTANGULAR TO ROUND CONCENTR UNLESS TOP LEVEL (TOP LVL) OR BOTTOM				
20x20 کے ج	LEVEL (BOT LVL) IS NOTED RECTANGULAR DUCT SQUARE ELBOW WITH TURNING VANES				
۲					
20x20 R=3W/2	RECTANGULAR DUCT RADIUS ELBOW				
	ACCESS DOOR (AD)				
٥	THERMOSTAT(TSTAT)				
SW EF	SIDE WALL REGISTER WITH OBD EXHAUST FAN				
SF AHU	SUPPLY FAN AIR HANDLING UNIT				
CU	CONDENSING UNT				
ACU 20/10	AIR CONDINTIONING UNIT (ACU) DUCT SIZE 20=PLAN VIEW (WIDTH) DUCT SIZE AI 10=DUCT HEIGHT SIZE.				
RL	REFRIGERANT LIQUID (RL)				
RS CD	REFRIGERANT SUCTION(RS) CONDENSATE DRAIN (CD)				
©	CONTROL SWITCH				
A U.N.O.	UNLESS NOTED OTHERWISE				
—— H <b>W</b> S ——	HEATING WATER SUPPLY				
—— HWR —— —— CHS ———	HEATING WATER RETURN CHILLED WATER SUPPLY				
CHR	CHILLED WATER RETURN				
	CHILLED/HEATING WATER SUPPLY CHILLED/HEATING WATER RETURN				
	NOTES: GENERAL LEGEND NOT ALL ITEMS APPLICABLE TO THIS PROJECT				
NOTES: GENERAL LEG	END NOT ALL ITEMS APPLICABLE TO THIS PROJEC				
AND IT'S	END NOT ALL ITEMS APPLICABLE TO THIS PROJEC IT'S THE LAW FREE - CALL BEFORE YOU DIG S BEFORE YOU DIG IN TEXAS ES LA LEY				

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## MECHANICAL GENERAL NOTES

1. THESE MECHANICAL GENERAL NOTES ARE APPLICABLE TO ALL MECHANICAL SHEETS IN THIS PROJECT SET. 2. THE MECHANICAL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE AND ADOPTED PROVISIONS OF THE FOLLOWING CODES:

2015 INTERNATIONAL BUILDING CODE 2015 INTERNATIONAL EXISTING BUILDING CODE 2015 INTERNATIONAL PLUMBING CODE 2015 INTERNATIONAL MECHANICAL CODE 2015 INTERNATIONAL FIRE CODE 2015 INTERNATIONAL FUEL CODE 2015 INTERNATIONAL ENERGY CONSERVATION CODE AS ADOPTED AND INTERPRETED BY THE STATE OF TEXAS, CITY OF EL PASO, HACEP STANDARDS, AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) REGULATIONS, CURRENT ADOPTED EDITION REGARDING MECHANICAL SYSTEMS, FIRE PROTECTION AND ALARM SYSTEMS AND ELECTRICAL SYSTEMS. ALL LABOR AND MATERIALS NECESSARY TO COMPLY WITH RULES, REGULATIONS AND ORDINANCES SHALL BE PROVIDED. WHERE THE DRAWINGS INDICATE MATERIALS OR CONSTRUCTION IN EXCESS OF CODE REQUIREMENTS, THE DRAWINGS SHALL GOVERN. THE CONTRACTOR SHALL HOLD AND SAVE THE OWNER, ARCHITECT AND ENGINEER FREE AND HARMLESS FROM LIABILITY OF ANY NATURE OR KIND ARISING FROM HIS FAILURE TO COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES. 3. THE CONTRACTOR SHALL COORDINATE WITH OWNER, ARCHITECT, AND ENGINEER ANY WORK THAT HAS THE POTENTIAL TO HINDER MECHANICAL AND PLUMBING SERVICES TO AREA OUTSIDE OF THIS CONTRACT. ALL SHUT-DOWNS OR TIE-INS RELATING TO THESE SYSTEMS SHALL BE SCHEDULED AND SUBMITTED IN WRITING AND TO BE APPROVED BY THE OWNER, ARCHITECT, AND THIS ENGINEER OFFICE. CONTRACTOR SHALL SUBMIT IN WRITING A SCHEDULE FOR PHASING OF CONSTRUCTION THAT INDICATES AREAS OF FIRST PRIORITY DURING EACH PHASE AND ANTICIPATED COMPLETION TIMES. SCHEDULES SHALL BE SUBMITTED A MINIMUM OF ONE WEEK PRIOR TO COMMENCING WORK, OWNER, ARCHITECT AND ENGINEER SHALL REVIEW THESE SCHEDULES AND NOTIFY CONTRACTOR OF ACCEPTANCE PRIOR TO COMMENCEMENT OF WORK. 4. ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH CODES AND RULES, REGULATIONS AND ORDINANCES SHALL BE PROVIDED. WHERE THE DRAWINGS AND/OR SPECIFICATIONS INDICATE MATERIALS OR CONSTRUCTION IN EXCESS OF CODE REQUIREMENTS, THE DRAWINGS AND/OR SPECIFICATIONS SHALL GOVERN. THE CONTRACTOR SHALL HOLD AND SAVE THE OWNER. ARCHITECT AND ENGINEERS FREE AND HARMLESS FROM LIABILITY OF ANY NATURE OR KIND ARISING FORM HIS FAILURE TO COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES. 5. BIDDERS SHALL VISIT THE SITE AND SHALL BE RESPONSIBLE FOR HAVING ASCERTAINED PERTINENT LOCAL CONDITIONS SUCH AS LOCATION. ACCESSIBILITY AND GENERAL CHARACTER OF THE SITE. THE CHARACTER AND EXTENT OF THE WORK WITHIN THE BUILDING AND TO BECOME FAMILIAR WITH ALL OTHER WORK TO BE PERFORMED AT THIS TIME. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO CONTRACTOR'S FAILURE TO DETERMINE ALL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED 6. BEFORE YOU DIG ALL EXISTING UTILITIES I.E. WATER, SEWER, GAS, FIRE LINE, ELECTRICITY, TELEPHONE, CABLE, IRRIGATION LINES, SHALL BE LOCATED AND CLEARLY MARKED IN ORDER TO AVOID UNNECESSARY SHUT DOWNS AND EMERGENCY. 7. EACH CONTRACTOR SHALL GIVE ALL REQUISITE NOTICES, OBTAIN AND PAY FOR ALL PERMITS, DEPOSITS AND FEES (INCLUDING UTILITY CONNECTIONS FEES, ANY UTILITY EXTENSION FEES, TAP FEES, DEVELOPMENT FEES, AND IMPACT FEES) NECESSARY FOR THE INSTALLATION OF WORK UNDER THESE NOTES. TWO (2) COPIES OF CERTIFICATES OF APPROVAL SHALL BE OBTAINED FROM ALL AUTHORITIES ISSUING SAME AND SHALL BE TURNED OVER TO OWNER, ARCHITECT, AND ENGINEER PRIOR TO FINAL ACCEPTANCE OF THE WORK. 8. REQUIRED INSURANCE SHALL BE PROVIDED BY THIS CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF WORK. CONTRACTOR SHALL SECURE AND PAY ALL PERMITS, FEES, INSPECTIONS, AND TESTS UNLESS OTHERWISE INDICATED. COORDINATE WITH ARCHITECT, ENGINEER, OWNER SUBSTITUTIONS REQUESTED BY THE CONTRACTOR SHALL BE PAID FOR BY THE CONTRACTOR. 9. ALL WORK SHALL CONFORM WITH FEDERAL, STATE, AND LOCAL CODES, RULES, AND REGULATIONS. ALL WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE SYSTEMS SHALL BE INSTALLED COMPLETE AND FULLY OPERATIVE UNLESS OTHERWISE INDICATED 10. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND PROVIDE A WRITTEN REPORT TO THE ARCHITECT AND THE ENGINEERING OFFICES. THIS REPORT SHALL DESCRIBE EXISTING DAMAGE OR OTHER CONDITIONS THAT MAY INTERFERE WITH THIS PROPOSED NEW WORK. THIS SITE SURVEY SHALL ALSO INCLUDE VERIFICATION OF SIZES, LOCATIONS, AND CONDITIONS OF EXISTING UTILITIES. QUESTIONS REGARDING THESE DRAWINGS SHALL BE ADDRESSED TO THE ENGINEER PRIOR TO THE AWARDING OF THE CONTRACT. OTHERWISE THE ENGINEER'S INTERPRETATION OF THE MEANING AND INTENT OF THE DRAWINGS SHALL BE FINAL. 11. DURING CONSTRUCTION IF THE CONTRACTOR ENCOUNTER AND DAMAGES THE EXISTING UNDERGROUND INFRASTRUCTURE THE CONTRACTOR SHALL REPAIR THE INFRASTRUCTURE AT NO ADDITIONAL COSTS TO THE OWNER. WHERE STRUCTURE IS ALTERED OR DAMAGES DURING CONSTRUCTION, INSTALLATION AND REMOVAL OF EQUIPMENT OR FIXTURES, THE CONTRACTOR SHALL REPAIR THE AREA TO MATCH SURROUNDING AREA PER ARCHITECTURAL SPECIFICATIONS CUTTING, TRENCHING AND PENETRATIONS THROUGH FIRE WALL, CONCRETE AND OTHER STRUCTURES ARE A PART OF THIS PROJECT SCOPE AND SHALL BE INCLUDED IN THE CONTRACTOR'S BID. ALL EXCAVATION AND BACKFILLING REQUIRED FOR PLUMBING WORK IS ALSO INCLUDED AS PART OF THIS CONTRACT AND SHALL BE INCLUDED IN CONTRACTOR'S BID. 12. ALL SYSTEMS AND COMPONENTS SHALL BE APPROVED FOR THE PURPOSE FOR WHICH THEY ARE INSTALLED. ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND FROM ESTABLISHED AMERICAN SUPPLIERS UNLESS 13. ALL EQUIPMENT PARAMETERS SHOWN ARE FOR PERFORMANCE AT SITE ALTITUDE. SUPPLIERS SHALL SELECT AND DEMONSTRATE THAT THEIR EQUIPMENT MEETS THE DESIGN CONDITIONS AT SITE ALTITUDE. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR THE ELECTRICAL REQUIREMENTS, INCLUDING POWER, CONTROL, COMMUNICATION, AND MONITORING, OF EACH DEVICE PROVIDED AND/OR INSTALLED BY MECHANICAL CONTRACTOR 15. SUPPORT SYSTEM FOR PIPING MATERIALS AND EQUIPMENT SUPPORTED BY THE BUILDING STRUCTURE SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER AND ARCHITECT FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION. NO WIRE OR PERFORATED STRAP WILL BE PERMITTED FOR ANY HANGER OR SUPPOR 16. CONTRACTOR SHALL NOT CUT, DRILL, OR ALTER ANY ELEMENT OF ANY WALLS, FLOORS CEILINGS, ROOFS, AND SLABS WITHOUT FIRST RECEIVING INSTRUCTIONS FROM ARCHITECT, ENGINEER. ALL CUTS SHALL BE MADE WITH A CUTTING TOOL. 17. PATCHING OR SEALING OF CUTS OR PENETRATIONS SHALL BE DONE BY CONTRACTOR PER INSTRUCTIONS FROM 18. CONTRACTOR SHALL FIELD VERIFY CONDITION OF EXISTING EQUIPMENT AND PROVIDE NECESSARY COMPONENTS O ASSEMBLE AND TO START-UP COMPLETE AND FULLY OPERATIONAL SYSTEMS. 19. BEFORE INSTALLATION, EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, ANY DEVICE WITH ELECTRICAL CONNECTIONS, DUCTWORK, INSULATION, PIPING, VALVES, AND AIR DEVICES SHALL NOT BE STORED DIRECTLY ON GRADE OR ON A SLAB OR FLOOR. BEFORE AND AFTER INSTALLATION, SUCH EQUIPMENT AND DEVICES SHALL BE PROTECTED FROM ENTRY OF DIRT, TRASH WATER (EXCEPT AS REQUIRED), VERMIN. 20. CONTRACTOR SHALL COORDINATE ACTUAL LOCATIONS OF AIR DEVICES AND DUCTWORK WITH LIGHTS, CEILING PANELS, JOIST SPACING AND ARCHITECTURAL REFLECTED CEILING PLAN (REF. ELECTRICAL PLANS AND ARCHITECTURAL PLANS). 21. PROVIDE THE OWNER WITH THREE (3) COPIES OF OPERATION AND MAINTENANCE (O&M'S) MANUALS. THE O&M'S SHALL INCLUDE ALL INSTALLATIONS INSTRUCTIONS FOR PRODUCT DATA, WARRANTIES, CONTACT INFORMATION DURING WARRANTY PERIOD, COPIES OF ALL PERMIT INFORMATION, AND AIR AND HYDRONIC TESTING AND BALANCING REPORTS IN 3-RING BINDERS. ALL LABOR AND MATERIALS PROVIDED FROM CONTRACTOR SHALL HAVE COMPLETE ONE (1) YEAR WARRANTY. ALL COMPRESSORS SHALL BE WARRANTIED FOR FIVE (5) YEARS, INCLUDING LABOR AND MATERIALS. 22. OPERATING TESTS AND CLEANING PROCEDURES SHALL BE PERFORMED AND REPORTS SHALL BE ISSUED PER CODE REQUIREMENTS, MANUFACTURER'S RECOMMENDATION 23. PIPING ROUTED ON THE ROOF SHALL BE SUPPORTED BY FACTORY MADE PIPE SUPPORTS PER MANUFACTURER'S ECOMMENDATION: 24. CONTRACTOR SHALL PROVIDE AND INSTALL IDENTIFICATION TAGS FOR EQUIPMENT AND PIPING PER OWNER'S STANDARDS, SPECIFICATIONS, AND ASME 13.1 SCHEME OF IDENTIFICATION FOR PIPING. 25. LOCATIONS OF CEILING, ROOF AND ATTIC MECHANICAL EQUIPMENT ARE APPROXIMATE AS SHOWN. MECHANICAL CONTRACTOR SHALL FIELD ADJUST AS REQUIRED. 26. CONTRACTOR SHALL TAKE PRECAUTIONS PER THE ARCHITECT'S INSTRUCTIONS TO PROTECT EXISTING TREES AND /OR OTHER SITE VEGETATION. THE MECHANICAL/PLUMBING CONTRACTOR SHALL PROVIDE AND HAVE INSTALLED ANY ACCESS DOOR REQUIRED TO ACCESS MECHANICAL OR PLUMBING EQUIPMENT THAT REQUIRES ACCESS BEHIND GYPBOARD OR HARD CEILINGS AND IN WALLS. THE MECHANICAL/PLUMBING CONTRACTOR SHALL PROVIDE THE GENERAL CONTRACTOR WITH THESE ACCESS DOORS FOR INSTALLATION IN THE CEILING OR WALL. ACCESS DOORS SHALL BE RATED FOR THE WALL, FLOOR, OR CEILING TYPE AND SHALL BE A MINIMUM SIZE OF 12"X12" OR SIZED PER SPECIFICATIONS OR ON THE DRAWINGS. 28. ALL MATERIAL INSTALLED IN CEILING SPACE SHALL BE NONCOMBUSTIBLE PLENUM RATED MATERIALS. 29. CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ALTERNATES AND ALLOWANCES FOR THIS PROJEC 30. FOR OUTDOOR EQUIPMENT ON GRADE AND INDOOR FLOOR MOUNTED EQUIPMENT. THE CONTRACTOR SHALL CONSTRUCT LEVEL 3000 PSI CONCRETE(28 DAY COMPRESSIVE STRENGTH) SLABS WITH FINISHED EDGES, WIRE REINFORCED MINIMUM 6X6 W1.4/1.4 OR HEAVIER PER ASTM A185, MINIMUM 6" THICK, AND MINIMUM 6" LARGER ON ALL SIDES THAN THE EQUIPMENT BEING SUPPORTED. THE PAD SHALL HAVE 2 COATS OF EPOXY SEALANT TO SEAL 31. ALL PIPING, PLUMBING AND DUCTWORK OPENINGS SHALL BE CAPPED DURING DEMOLITION AND CONSTRUCTION. 32. SITE VISIT REPORTS DURING THE COURSE OF THE JOB, THE ENGINEER WILL MAKE SITE VISITS TO OBSERVE WORK IN PROGRESS AND WILL SUBSEQUENTLY PREPARE A WRITTEN SITE VISIT REPORT, WHICH WILL BE SENT TO THE CONTRACTOR AND TO WHOMEVER ELSE THE ENGINEER DESIRES. THE CONTRACTOR SHALL PREPARE A WRITTEN AND TYPED RESPONSE WITHIN SEVEN (7) CALENDAR DAYS OF HIS RECEIVING THE SITE VISIT REPORT. THE CONTRACTORS SHALL ACCOMPANY THE ENGINEER DURING THIS FINAL PUNCHLIST VISIT UPON THE REQUEST OF THE ENGINEER. THE GENERAL CONTRACTOR SHALL INCLUDE IN HIS RESPONSE THE FOLLOWING INFORMATION 1. DATE OF SITE VISIT BY THE ENGINEER, DATE OF RECEIPT OF THE SITE VISIT REPORT. NAME AND TITLE OF THE PREPARER OF THE RESPONSE AN ITEM NUMBER REFERENCED TO THE SITE REPORT. 5. A BRIEF THREE OR FOUR WORD DESCRIPTION OF THE ITEM. THE CONTRACTOR OR SUBCONTRACTOR AFFECTED, THE PROPOSED COURSE OF ACTION, AND 8. AN EXPECTED TIME OF COMPLETION OF THE ACTION. 33. FINAL PUNCH REPORTS

AT THE COMPLETION OF THE JOB, THE ENGINEER WILL MAKE PUNCHLIST SITE VISITS TO OBSERVE COMPLETED WORK AND WILL SUBSEQUENTLY PREPARE A WRITTEN SITE VISIT PUNCHLIST REPORT, WHICH WILL BE SENT TO THE CONTRACTOR AND TO WHOMEVER ELSE THE ENGINEER DESIRES. THE CONTRACTOR UPON COMPLETION OF THE LISTED PUNCHLIST ITEMS SHALL PREPARE A TYPE WRITTEN RESPONSE TO THE LIST INDICATING COMPLETION OF EACH ITEM. THE CONTRACTOR SHALL INCLUDE IN HIS RESPONSE THE RESOLUTION OF EACH ITEM. THE CONTRACTORS SHALL ACCOMPANY THE ENGINEER DURING THIS FINAL PUNCHLIST VISIT UPON THE REQUEST OF THE

- SUBSTITUTED PRODUCTS A. MATERIAL OR EQUIPMENT SPECIFIED BY MANUFACTURER?S NAME IS BEING USED AS A BASIS OF STANDARD. NO SUBSTITUTION IS ALLOWABLE WITHOUT ENGINEER?S WRITTEN APPROVAL TEN (10) DAYS PRIOR TO BID DUE DATE UNLESS THE MANUFACTURER IS LISTED ON THE DRAWINGS OR IN THE SPECIFICATION AS BEING A PREAPPROVED ALTERNATIVE MANUFACTURER. ANY SUBMITTAL RECEIVED WITHOUT SUCH WRITTEN APPROVAL OR PRIOR APPROVAL IS SUBJECT TO UNQUALIFIED REJECTION. B. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT SUBMITTED SUBSTITUTE EQUIPMENT WILL FIT IN SPACE AVAILABLE. THE CONTRACTOR'S SUBMITTAL FOR ACCEPTANCE OF THE SUBSTITUTE SHALL INCLUDE A WRITTEN STATEMENT OF WHETHER OR NOT SUCH ACCEPTANCE WOULD REQUIRE ANY SUBSEQUENT OR ASSOCIATED CHANGES TO THE DRAWINGS OR SPECIFICATIONS. ANY SUCH CHANGES SHALL BE DESCRIBED IN WRITING, BRIEFLY BUT COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COSTS OF ANY SUCH MODIFICATIONS DUE TO SUBSTITUTION OF MATERIALS OR EQUIPMENT FOR THAT WHICH WAS SPECIFIED OR SCHEDULED. THE COST SHALL BE COMPLETE, THAT IS, IT SHALL INCLUDE THE COST EFFECT OF ANY AND ALL OTHER TRADES. THE ENGINEER MAY REQUEST DETAILED SHOP DRAWING OR PLAN LAYOUTS OF MECHANICAL ROOMS OR SYSTEMS OF THE SUBSTITUTED EQUIPMENT. E. SHOULD A SUBSTITUTION BE APPROVED BY THE ENGINEER (BASED UPON THE SUBSTITUTION SUBMITTAL REVIEW) AND ACCEPTED, AND SHOULD THE SUBSTITUTE MATERIAL OR EQUIPMENT PROVE DEFECTIVE, NOT MEETING DESIGN PARAMETERS, OR OTHERWISE UNSATISFACTORY FOR THE SERVICE INTENDED WITHIN THE GUARANTEE PERIOD. THIS MATERIAL OR EQUIPMENT SHALL BE REPLACED WITH THE MATERIAL OR EQUIPMENT SPECIFIED AT NO ADDITIONAL COST TO THE OWNER. 35. SUBMITTAL REQUIREMENTS A. THE INTENT OF THIS SECTION IS TO GIVE GENERAL SUBMITTAL INFORMATION, REFER TO SPECIFIC SUBMITTAL INFORMATION IN THE SUBSEQUENT ELECTRICAL SECTIONS. WITHIN 10 DAYS AFTER AWARD OF THE CONTRACT, AND BEFORE ORDERS ARE PLACED, CONTRACTOR SHALL SUBMIT SPECIFIC INFORMATION ON LIST OF EQUIPMENT AND PRINCIPAL MATERIALS SPECIFIED. CONTRACTOR SHALL INDICATE AND/OR PROVIDE NAMES OF MANUFACTURERS, CATALOG AND MODEL NUMBERS, CUT SHEETS, AND SUCH OTHER SUPPLEMENTARY INFORMATION AS NECESSARY FOR EVALUATION. MINIMUM OF SIX (6) COPIES, OR AS DIRECTED BY THE ENGINEER, OF EACH SHALL BE SUBMITTED AND SHALL INCLUDE ALL ITEMS MENTIONED BY MODEL NUMBER AND/OR MANUFACTURER'S NAME IN THE SPECIFICATIONS OR IN SCHEDULES ON THE DRAWINGS. REQUIREMENTS FOR EACH SUBMITTAL: 1. BEAR A DATED STAMP OR SPECIFIC WRITTEN INDICATION THAT THE CONTRACTOR HAS REVIEWED AND APPROVED ALL SUBMITTAL PRIOR TO SUBMISSION TO ENGINEER, HAVE ALL INFORMATION DELETED BY CONTRACTOR THAT PERTAINS TO THE MEANS AND METHODS OF CONSTRUCTION OR TO FABRICATION, ASSEMBLY, INSTALLATION, OR ERECTION (APPROVAL BY ENGINEER SHALL NOT EXTEND TO THESE AREAS UNLESS SPECIFICALLY NOTED BY FNGINFFR) BE CLEARLY AND SPECIFICALLY MARKED AS TO WHICH SPECIFIC PIECE OF EQUIPMENT IS BEING SUBMITTED, BY USE OF A PERMANENT MARKER, STAMP, ETC., SO AS TO DISTINGUISH IT FROM OTHER PIECES OF EQUIPMENT THAT MAY OCCUR ON THE SAME PAGE. 4. BE CLEARLY AND SPECIFICALLY MARKED AS TO WHICH AVAILABLE OPTIONS ARE BEING SUBMITTED THAT ARE ASSOCIATED WITH A PIECE OF EQUIPMENT, AND BE COMPLETE WITH RESPECT TO QUANTITIES, DIMENSIONS, SPECIFIC PERFORMANCE, MATERIALS, AND SIMILAR DATA TO ENABLE THE ENGINEER TO REVIEW THE PROPOSED EQUIPMENT. 5. OMISSION BY CONTRACTOR OF ANY OF THE ABOVE REQUIREMENTS OR SUBMITTALS WILL SUBJECT SUBMITTAL TO AUTOMATIC REJECTION WITHOUT REVIEW. 6. BE CLEARLY AND SPECIFICALLY MARKED AS TO ANY AND ALL SUBMITTAL DEVIATIONS FROM THE
  - DESIGN SPECIFICATION REQUIREMENTS SHALL BE PROVIDED IN WRITTEN FORM. OMISSION BY CONTRACTOR OF ANY OF THE ABOVE REQUIREMENTS OR SUBMITTALS WILL SUBJECT SUBMITTAL TO AUTOMATIC REJECTION WITHOUT REVIEW.
  - 8. ANY SUBMITTALS RECEIVED BY ENGINEER THAT WERE NOT REQUESTED SHALL BE RETURNED WITHOUT REVIEW OF ANY KIND. SUBMITTALS SHALL INDICATE MINIMUM ACCESS AND SERVICE CLEARANCES IF REQUIRED BY THE SUBMITTED EQUIPMENT. INSTALLATION INSTRUCTIONS - FOR CERTAIN PRODUCTS OR SYSTEMS AS IDENTIFIED IN SUBSEQUENT
  - SPECIFICATIONS SECTIONS OR ON THE DRAWINGS, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE COPIES OF MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH THE SUBMITTAL. WHEN REQUIRED AS SUCH, THE INSTALLATION INSTRUCTIONS ARE CONSIDERED PART OF THE SUBMITTAL AND THEIR OMISSION MAY RESULT IN AUTOMATIC REJECTION OF THE SUBMITTAL. WHERE MORE THAN ONE IDENTICAL DEVICE ARE SCHEDULED, ONLY ONE SET OF INSTALLATION INSTRUCTIONS NEEDS TO BE SUBMITTED, E.G. IF SEVEN 10 TON RTUS ARE SCHEDULED, ONLY ONE OF EACH TYPE OF RTU INSTALLATION INSTRUCTION NEEDS TO BE SUBMITTED. SIMILARLY, IF ONE SET OF INSTALLATION INSTRUCTIONS IS IDENTIFIED BY THE MANUFACTURER AND ON THE INSTRUCTIONS TO BE APPLICABLE TO MORE THAN ONE TYPE OR SIZE OF DEVICES, E.G. IF ONE SET OF RTU INSTRUCTIONS IS GOOD FOR EACH TYPE OF RTU, THEN ONLY ONE INSTRUCTION SET IS REQUIRED FOR THESE DEVICES.
  - THIS ENGINEER WILL REVIEW THE SUBMITTALS FOR APPROVAL TWICE. ANY ADDITIONAL REVIEWS THAT ARE REQUIRED BY THE ENGINEER FOR WHATEVER REASON AFTER THE INITIAL TWO REVIEWS WILL RESULT IN ADDITIONAL COMPENSATION FOR THE ENGINEER'S TIME BY THE SUBMITTING CONTRACTOR AT THE ENGINEER'S RATE.
- 36. REQUIRED SHOP DRAWING SUBMITTALS A. FAN COIL AIR CONDITIONING UNITS
  - EXHAUST FANS AIR DEVICES DUCT EXTERNAL INSULATION
  - SPIN-IN FITTINGS INSULATED FLEXIBLE ROUND DUCT
  - DUCT LINER THERMOSTAT, HUMIDISTAT, AND REMOTE SENSORS
  - VOLUME DAMPERS
- . TURNING VANES . CHILLERS HVAC PUMPS
- HYDRONIC PIPING HYDRONIC PIPE INSULATION HYDRONIC FITTINGS AND HANGERS
- THERMAL ICE STORAGE TANKS
- GAS-FIRED HEATING BOILERS EXPANSION TANKS AIR SEPARATORS
- SUBMIT SHOP DRAWINGS OF SHEET METAL DUCTWORK AS FOLLOWS: 1. FOR THE ENGINEER, PROVIDE ONE BLUE LINE PLAN SET AND ONE PAPER REPRODUCIBLE TRANSLUCENT PLAN SET OF SHOP DRAWINGS.
- DRAW TO A SCALE NOT LESS THAN 1/4-INCH TO ONE FOOT. PROVIDE SHEETS SIZES EQUAL OR EQUIVALENT TO CONTRACT DRAWINGS.
- THESE DRAWINGS SHALL USE HVAC EQUIPMENT DIMENSIONAL INFORMATION FROM THE APPROVED EQUIPMENT SHOP DRAWINGS. IF APPROVED HVAC EQUIPMENT CHANGES DURING CONSTRUCTION AND DUCTWORK MODIFICATION
- ARE REQUIRED THE MECHANICAL CONTRACTOR SHALL RESUBMIT THE RELEVANT SHOP DRAWINGS INDICATING THESE MODIFICATIONS.
- INDICATE DUCTS AND DUCT FITTINGS, PARTICULARS SUCH AS GAGES, SIZES, AND WELDS. SHOW FITTING DETAILS. SHOW AIR DEVICES LOCATIONS AND AIRFLOW QUANTITIES.
- DRAWINGS SHALL SHOW INSTALLATION OF APPROVED HVAC EQUIPMENT AND ALL ACCESS CLEARANCES REQUIRED BY THE APPROVED HVAC EQUIPMENT. THESE DRAWINGS SHALL INDICATE ANY INTERFERENCE PROBLEMS BETWEEN THE DUCTWORK AND HVAC EQUIPMENT?S ACCESS REQUIREMENTS.
- 10. DRAWINGS SHALL SHOW COORDINATION WITH LIGHTS, STRUCTURAL MEMBERS AND WALLS. DRAWINGS SHALL SHOW COORDINATION AND INTERACTION OF DUCTWORK WITH OTHER MAJOR PIPING, CONDUITS, ETC., THAT REQUIRE COORDINATION OF INSTALLATION.
- DUCT SCHEDULE: PROVIDE A DUCT SCHEDULE OR TABLE INDICATING AT A MINIMUM THE FOLLOWING INFORMATION, ACCORDING TO THE APPROPRIATE PRESSURE CLASS: ) EACH DUCT SIZE GROUP (AS DEFINED IN SMACNA - ?HVAC DUCT CONSTRUCTION STANDARDS? DUCT SHEETMETAL GAUGE. DUCT JOINT AND REINFORCEMENT SPACING,
- TRAVERSE JOINT CONSTRUCTION, INTERMEDIATE REINFORCEMENT CONSTRUCTION AND

HANGER TYPE AND SPACING.

- 37. BALANCING (NEEB CERTIFIED) CONTRACTOR SHALL BALANCE THE HVAC SYSTEMS USING AABC OR NEBB STANDARDS, PROVIDE 3 COPIES OF BALANCING REPORT USING STANDARD NEBB FORMS PER SPECIFICATIONS, THE BALANCING CONTRACTOR SHALL WORK FOR THE OWNER OR GENERAL CONTRACTOR ONLY NOT FOR THE ECHANICAL CONTRACTOR
- 38. DEVICES THAT MIGHT CAUSE OR OPERATE WITH VIBRATION OR NOISE SHALL BE ISOLATED PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
- 39. DUCTWORK SHALL BE GALVANIZED STEEL (G90) AND DIMENSIONS ARE INTERNAL SHEETMETAL SIZES. DUCTWORK TO BE WRAPPED WITH EXTERNAL INSULATION AND VAPOR SEALED PER ENERGY CODE DUCTWORK INSULATION CRITERIA SCHEDULE. EXTERIOR DUCTWORK SHALL BE JACKETED WITH 0.014" THICK ALUMINUM JACKET.
- 40. DUCT CONSTRUCTION, SUPPORT, FITTINGS, AND CONNECTIONS SHALL BE IN CONFORMANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS, LATEST EDITION. AIR HANDLER DUCT SHALL BE CONSTRUCTED FOR +- 1" W.G. DUCTWORK CLASS CONSTRUCTION. ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, AND SHEET METAL DUCT WALL PENETRATIONS SHALL BE SEALED PER SMACNA RECOMMENDATIONS, EACH 90-DEGREE DUCT ELBOWS, FITTINGS, AND SPLITTERS SHALL HAVE TURNING VANES. PROVIDE AND INSTALL VOLUME EXTRACTOR AT BRANCH TAKE-OFFS SERVING MORE THAN ONE DEVICE OR WHERE SHOWN.
- 41. FLEXIBLE DUCT SHALL BE INSULATED TYPE MIN. R-8 AND ANY ONE PIECE SHALL NOT EXCEED 5'-0" IN LENGTH. EACH TAP FOR FLEXIBLE DUCT SHALL BE MADE WITH A FACTORY MADE CONICAL SPIN-IN WITH SCOOP (DOVE-TAIL NOT ALLOWED) SHEETMETAL COLLAR HERCULES SPIN-IN FITTING MODEL #9100 OR APPROVED EQUAL. EACH TAP FOR SUPPLY AIR SHALL HAVE AN INTEGRAL BALANCING DAMPER WITH EXTENDED LENGTH OPERATOR. REFER TO DUCTING DETAILS ON DRAWINGS.
- 42. CONTRACTOR SHALL PROVIDE MEANS OF ACCESS TO AIR HANDLERS, WATER VALVES, FANS, CLEANOUTS, PIPING, CONDUITS, AIR BALANCE DAMPERS, FIRE/SMOKE DAMPERS AND OTHER MECHANICAL DEVICES AFTER CONSTRUCTION IS COMPLETE TO PROVIDE BUILDING MAINTENANCE PERSONNEL ADEQUATE CLEARANCE AND PASSAGE TO SERVICE THESE ITEMS. IN ADDITION, CONTRACTOR SHALL PROVIDE ACCESS AS PER CODE REQUIREMENTS FOR INSPECTION, TESTING AND OPERATION OF SYSTEMS.
- 43. PROVIDE AND INSTALL ONE HOUR FIRE DAMPERS IN ACCORDANCE WITH NFPA 90A AND UL 555 WHERE INDICATED. FIRE DAMPERS SHALL BE TYPE "B", MULTIPLE BLADE DAMPERS: 16 GAGE GALVANIZED STEEL FRAME AND BLADES, OIL-IMPREGNATED BRONZE OR STAINLESS STEEL SLEEVE BEARINGS AND PLATED STEEL AXLES. 1/8 X 1/2 INCH PLATED STEEL CONCEALED LINKAGE, STAINLESS STEEL CLOSURE SPRING, BLADE STOPS, AND LOCK, FUSIBLE LINKS: UL 33, SEPARATE AT 160 DEGREES F WITH ADJUSTABLE LINK STRAPS FOR COMBINATION FIRE/BALANCING DAMPERS. INSTALL FIRE DAMPERS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE ACCESS DOOR AS REQUIRED BY CODES. PROVIDE RED THUMBTACK IN CEILING TILE TO INDICATE LOCATION OF FIRE
- 44. HYDRONIC PIPING MATERIAL SHALL BE IN ACCORDANCE WITH MINIMUM HYDRONIC PIPE MATERIAL REQUIREMENTS SCHEDULE HANGERS AND SUPPORTS SHALL BE IN ACCORDANCE WITH MSS-SP58, MSS-SP69, AND MSS-SP89.
- 45. IN ADDITION TO THE HYDRONIC PIPING BEING REPLACED AND ALLOWANCE FOR AN ADDITIONAL 200 FEET OF HYDRONIC PIPING AND INSULATION SHALL BE INCLUDED IN THE BID.
- 46. THE NEW CHILLER PLANT SYSTEM OPINION OF CHILLED WATER SYSTEM VOLUME IS 2,200 GALLONS OF 75% WATER/25% GLYCOL. THE EXISTING HEATING PLANT OPINION OF TOTAL HEATING WATER SYSTEM VOLUME IS 6,000 GALLONS AT 75% WATER/25% GLYCOL. THE CONTRACTOR IS TO VERIFY THE EXISTING HEATING PLANT GLYCOL PERCENTAGE AND PROVIDE A WRITTEN REPORT TO THE ENGINEER FOR EVALUATION.

## UTILIZING EXISTING HEATING AND CHILLED CENTRAL PLANS

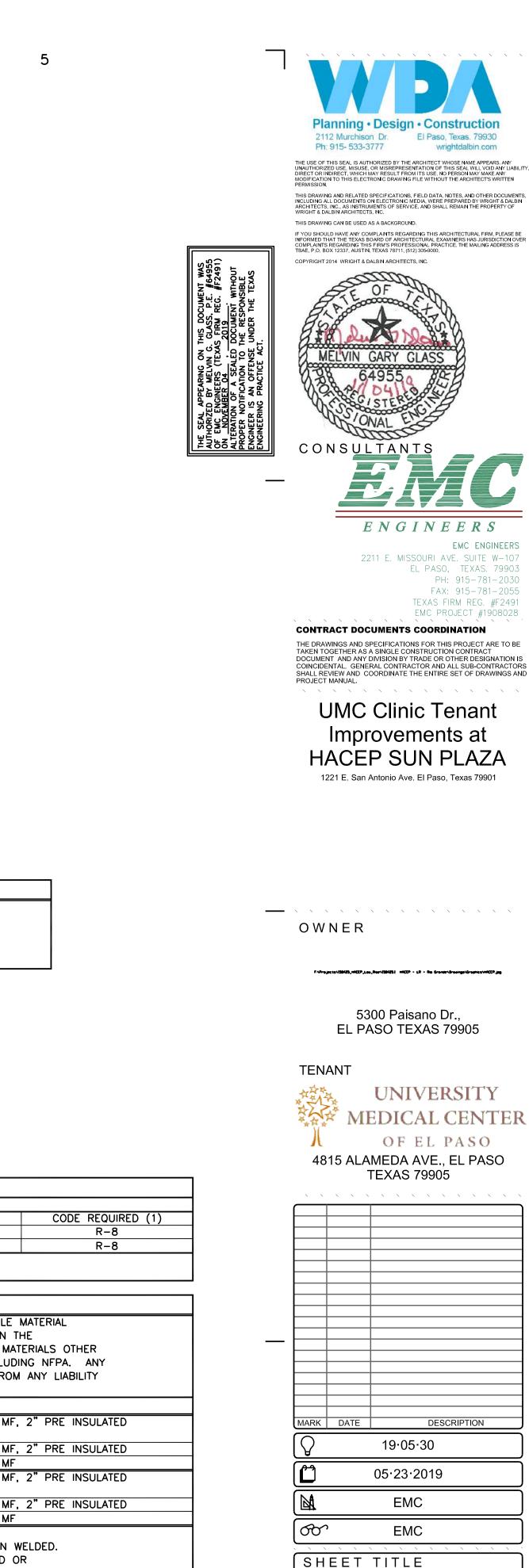
ASBESTOS NOTES REFER TO ASBESTOS REPORT IN THE SPECIFICATIONS FOR LOCATIONS OF ASBESTOS IN THIS PROJECT'S WORK AREAS. DURING CONSTRUCTION IF ASBESTOS IS UNCOVERED IMMEDIATELY INFORM THE HOUSING AUTHORITY PROJECT MANAGER AND AWAIT INSTRUCTIONS FROM THEM BEFORE PROCEEDING WITH FURTHER WORK.

GENERAL APARTMENT MOCKUP NOTE THE CONTRACTOR SHALL BUILT ONE (1) MOCKUP OF EACH APARTMENT/COTTAGE TYPE FOR INSPECTION BY THE ARCHITECT, ENGINEER CODE OFFICIALS (AHJ) AND UTILITY COMPANIES PRIOR TO PROCEEDING WITH THE REST OF THE APARTMENTS/COTTAGES THE MOCK UP WILL BE INSPECTED AT ROUGH-IN, TOP OUT AND FINISH COMPLETION STAGES THE CONTRACTOR CANNOT CONTINUE UNTIL APPROVAL BE THE ARCHITECT, ENGINEER CODE OFFICIALS (AHJ) AND UTILITY COMPANIES.

	ENERGY CODE	– DUCTWORK INSU						
DUCT	INTERIOR UNCONDITIONED SPAC		EXTERIOR TO BUILDING					
SYSTEM	SPECIFIED MIMIMUM	CODE REQUIRED (1)	SPECIFIED MINIMUM	CODE REQUIRED (1)				
SUPPLY	2" -R 5.2	R-5	4" –R 8.1	R-8				
RETURN	2" -R 5.3	R-5	4" -R 8.1	R-8				
NOTE:								
1. REQUIRED	PER REQUIREMENTS OF ICC ENER	GY CONSERVATION CODE 201	5.					
	MINIMUM HYDRONIC PIP	E MATERIAL REQUIE	EMENTS SCHEDULE					
		•						
	HERWISE, THE FOLLOWING SCHEDUL							
	H PLUMBING APPLICATION LISTED.							
	JCED BY THIS OFFICE FOR THIS PF							
	BELOW MUST BE IN ACCORDANCE							
	SCHEDULE AND/OR SPECIFICATIONS	S FROM THIS PROJECT THERE	BT WAIVE EMC ENGINEERS, FROM					
	IG CODE VIOLATIONS.							
SERVICE	LOCATION		IALS REQUIRED					
ER E	BELOW GRADE, OUTSIDE OF 5'-0"	OF BUILDING AQUATH	ERM BLUE PIPE SDR 7.4/11 MF,	2" PRE INSULATED				
DTE 1								
E	BELOW GRADE, WITHIN OF 5'-0" O	F BUILDING AQUATH	AQUATHERM BLUE PIPE SDR 7.4/11 MF, 2" PRE INSULATED					
	ABOVE GRADE, WITHIN BUILDING	AQUATH	AQUATHERM BLUE PIPE SDR 7.4/11 MF					
ER E	BELOW GRADE, OUTSIDE OF 5'-0"	OF BUILDING AQUATH	AQUATHERM BLUE PIPE SDR 7.4/11 MF, 2" PRE INSULATED					
TE 1			,					
Ī	BELOW GRADE, WITHIN OF 5'-0" O	F BUILDING AQUATH	ERM BLUE PIPE SDR 7.4/11 MF,	2" PRE INSULATED				
	ABOVE GRADE, WITHIN BUILDING		RM BLUE PIPE SDR 7.4/11 MF					
	•		<b>/</b>					
	AND CHILLED PIPING UNDERGROUND JOINTS SHALL BE FUSION WELDED ABOVE GROUND SHALL BE FUSION WELDED							

a's			ENERGY CODE	- DUCTWORK INSULA	TION CRITERIA	
	F	DUCT	INTERIOR UNCONDITIONED SPAC	E	EXTERIOR TO BUILDING	
ĸ		SYSTEM	SPECIFIED MIMIMUM	CODE REQUIRED (1)	SPECIFIED MINIMUM	CODE REQUIRED (1)
N		SUPPLY	2" -R 5.2	R-5	4" –R 8.1	R-8
_	1	RETURN	2" -R 5.3	R-5	4" -R 8.1	R-8
C W.G.		NOTE: 1. REQUIRED PE	R REQUIREMENTS OF ICC ENER	GY CONSERVATION CODE 2015.		
-						
		MI	NIMUM HYDRONIC PIP	E MATERIAL REQUIRE	MENTS SCHEDULE	
igth. e Not	UNLESS S	SPECIFIED OTHER	RWISE, THE FOLLOWING SCHEDUL	E SHALL BE USED TO DETERM	NE THE MINIMUM ACCEPTABLE N	/ATERIAL
OR	TYPES US	ED FOR EACH F	PLUMBING APPLICATION LISTED. I	DEVIATIONS FROM THIS SCHEDU	LE UNLESS ALLOWED FOR IN TH	IE IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
				•	ORS RISK. SELECTING PIPE MATE	
G,					BUILDING STANDARDS INCLUDIN	
			•	5 FROM THIS PROJECT THEREB	WAIVE EMC ENGINEERS, FROM	ANY LIABILITY
	ARISING F	ROM BUILDING	CODE VIOLATIONS.			
	PLUMBING S	SERVICE LO	CATION	MATERIA	ALS REQUIRED	
					· · · · · · · -	
ADES.	HEATING WATER SEE NOTE		OW GRADE, OUTSIDE OF 5'-0"	OF BUILDING	M BLUE PIPE SDR 7.4/11 MF,	2" PRE INSULATED
ADES, ICH		1	OW GRADE, OUTSIDE OF 5'-0"		M BLUE PIPE SDR 7.4/11 MF,	
ADES, ICH ING	SEE NOTE	1 BEL	·	F BUILDING AQUATHER		
ADES, ICH ING FIRE	SEE NOTE	1 BEL ABO BEL	OW GRADE, WITHIN OF 5'-0" O	F BUILDING AQUATHER AQUATHER	M BLUE PIPE SDR 7.4/11 MF,	2" PRE INSULATED
ADES, ICH ING FIRE	SEE NOTE CHILLED WATER	1 BEL ABO BEL	OW GRADE, WITHIN OF 5'-0" O OVE GRADE, WITHIN BUILDING	F BUILDING AQUATHER AQUATHER OF BUILDING AQUATHER	M BLUE PIPE SDR 7.4/11 MF. M BLUE PIPE SDR 7.4/11 MF	2" PRE INSULATED 2" PRE INSULATED
ADES, ICH ING FIRE	SEE NOTE CHILLED WATER	I BEL ABO BEL I BEL	OW GRADE, WITHIN OF 5'-0" O OVE GRADE, WITHIN BUILDING OW GRADE, OUTSIDE OF 5'-0"	F BUILDING AQUATHER AQUATHER OF BUILDING AQUATHER F BUILDING AQUATHER	M BLUE PIPE SDR 7.4/11 MF, M BLUE PIPE SDR 7.4/11 MF M BLUE PIPE SDR 7.4/11 MF,	2" PRE INSULATED 2" PRE INSULATED
ADES, ICH ING FIRE	SEE NOTE CHILLED WATER	I BEL ABO BEL I BEL	OW GRADE, WITHIN OF 5'-0" O OVE GRADE, WITHIN BUILDING OW GRADE, OUTSIDE OF 5'-0" OW GRADE, WITHIN OF 5'-0" O	F BUILDING AQUATHER AQUATHER OF BUILDING AQUATHER F BUILDING AQUATHER	M BLUE PIPE SDR 7.4/11 MF, M BLUE PIPE SDR 7.4/11 MF M BLUE PIPE SDR 7.4/11 MF, M BLUE PIPE SDR 7.4/11 MF,	2" PRE INSULATED 2" PRE INSULATED
ADES, NCH CING F FIRE	SEE NOTE CHILLED WATER SEE NOTE NOTES:	1 BEL ABO BEL 1 BEL ABO	OW GRADE, WITHIN OF 5'-0" O VE GRADE, WITHIN BUILDING OW GRADE, OUTSIDE OF 5'-0" OW GRADE, WITHIN OF 5'-0" O VE GRADE, WITHIN BUILDING	F BUILDING AQUATHER AQUATHER OF BUILDING AQUATHER F BUILDING AQUATHER AQUATHER	M BLUE PIPE SDR 7.4/11 MF, M BLUE PIPE SDR 7.4/11 MF M BLUE PIPE SDR 7.4/11 MF, M BLUE PIPE SDR 7.4/11 MF,	2" PRE INSULATED 2" PRE INSULATED 2" PRE INSULATED
ATED. ADES, ICH CING F FIRE IS 9.	SEE NOTE CHILLED WATER SEE NOTE NOTES: 1. HEATING,	1 BEL ABO BEL BEL ABO AND CHILLED PI	OW GRADE, WITHIN OF 5'-0" O OVE GRADE, WITHIN BUILDING OW GRADE, OUTSIDE OF 5'-0" OW GRADE, WITHIN OF 5'-0" O OVE GRADE, WITHIN BUILDING IPING UNDERGROUND JOINTS SH	F BUILDING AQUATHER AQUATHER OF BUILDING AQUATHER F BUILDING AQUATHER AQUATHER AQUATHER	M BLUE PIPE SDR 7.4/11 MF, M BLUE PIPE SDR 7.4/11 MF M BLUE PIPE SDR 7.4/11 MF, M BLUE PIPE SDR 7.4/11 MF, M BLUE PIPE SDR 7.4/11 MF, M BLUE PIPE SDR 7.4/11 MF	2" PRE INSULATED 2" PRE INSULATED 2" PRE INSULATED ELDED.
ADES. ICH CING FIRE IS 9.	SEE NOTE CHILLED WATER SEE NOTE NOTES: 1. HEATING, 2. VALVE SH	1 BEL ABO BEL BEL ABO AND CHILLED PI	OW GRADE, WITHIN OF 5'-0" O OVE GRADE, WITHIN BUILDING OW GRADE, OUTSIDE OF 5'-0" OW GRADE, WITHIN OF 5'-0" O OVE GRADE, WITHIN BUILDING IPING UNDERGROUND JOINTS SH R BUTTERFLY RATED FOR 150 F	F BUILDING AQUATHER AQUATHER OF BUILDING AQUATHER F BUILDING AQUATHER AQUATHER AQUATHER	M BLUE PIPE SDR 7.4/11 MF, M BLUE PIPE SDR 7.4/11 MF M BLUE PIPE SDR 7.4/11 MF, M BLUE PIPE SDR 7.4/11 MF, M BLUE PIPE SDR 7.4/11 MF E GROUND SHALL BE FUSION WI	2" PRE INSULATED 2" PRE INSULATED 2" PRE INSULATED ELDED.
ADES. ICH CING FIRE IS 9.	SEE NOTE CHILLED WATER SEE NOTE NOTES: 1. HEATING, 2. VALVE SH	1 BEL ABO BEL BEL ABO AND CHILLED PI ALL BE BALL OF	OW GRADE, WITHIN OF 5'-0" O OVE GRADE, WITHIN BUILDING OW GRADE, OUTSIDE OF 5'-0" OW GRADE, WITHIN OF 5'-0" O OVE GRADE, WITHIN BUILDING IPING UNDERGROUND JOINTS SH R BUTTERFLY RATED FOR 150 F	F BUILDING AQUATHER AQUATHER OF BUILDING AQUATHER F BUILDING AQUATHER AQUATHER AQUATHER	M BLUE PIPE SDR 7.4/11 MF, M BLUE PIPE SDR 7.4/11 MF M BLUE PIPE SDR 7.4/11 MF, M BLUE PIPE SDR 7.4/11 MF, M BLUE PIPE SDR 7.4/11 MF E GROUND SHALL BE FUSION WI	2" PRE INSULATED 2" PRE INSULATED 2" PRE INSULATED ELDED.
ADES, ICH CING FIRE S 9.	SEE NOTE CHILLED WATER SEE NOTE NOTES: 1. HEATING, 2. VALVE SH GROOVED	1 BEL ABO BEL 1 BEL ABO AND CHILLED PI ALL BE BALL OF FOR 3 IN AND	OW GRADE, WITHIN OF 5'-0" O OVE GRADE, WITHIN BUILDING OW GRADE, OUTSIDE OF 5'-0" OW GRADE, WITHIN OF 5'-0" O OVE GRADE, WITHIN BUILDING IPING UNDERGROUND JOINTS SH R BUTTERFLY RATED FOR 150 F	F BUILDING AQUATHER AQUATHER OF BUILDING AQUATHER F BUILDING AQUATHER AQUATHER AQUATHER ALL BE FUSION WELDED, ABOVI PSI WOG, THREADED FOR 2-1/	M BLUE PIPE SDR 7.4/11 MF, M BLUE PIPE SDR 7.4/11 MF M BLUE PIPE SDR 7.4/11 MF, M BLUE PIPE SDR 7.4/11 MF, M BLUE PIPE SDR 7.4/11 MF, M BLUE PIPE SDR 7.4/11 MF E GROUND SHALL BE FUSION WI 2 IN OR LESS AND FLANGED OF	2" PRE INSULATED 2" PRE INSULATED 2" PRE INSULATED ELDED.

	ENERGY CODE – HYDRONIC SERVICE WATER PIPING
SERVICE PIPING	SPECIFIED PER SPECIFICATIONS
HEATING/CHILLED	1-1/2" AND BELOW - 1-1/2" THICK @ 0.24 BTUH/INCH/SQ FT/DEG F
WATER	2" AND ABOVE - 2.0" THICK @ 0.24 BTUH/INCH/SQ FT/DEG F
COLD, HOT, AND	ALL SIZES - 1" THICK @ 0.24 BTUH/INCH/SQ FT/DEG F
RECIRCULATION	
WATER	
NOTES:	
1.	INSULATION SHALL BE FIBER GLASS PER THE REQUIREMENTS OF ICC ENERGY



NO ENERGY CODE REQUIRED,

CODE REQUIRED (NOTE 1)
1-1/" AND BELOW - 1-1/2" THICK 🛛 0.27 BTUH/INCH/SQ FT/DEG F
2" AND ABOVE - 2.0" THICK @ 0.27 BTUH/INCH/SQ FT/DEG F
1-1/4" & BELOW - 1/2" THICK @ 0.27 BTUH/INCH/SQ FT/DEG F
1-1/2" TO 2" - 1/2" THICK @ 0.27 BTUH/INCH/SQ FT/DEG F
2-1/2" AND ABOVE - 1" THICK @ 0.27 BTUH/INCH/SQ FT/DEG F

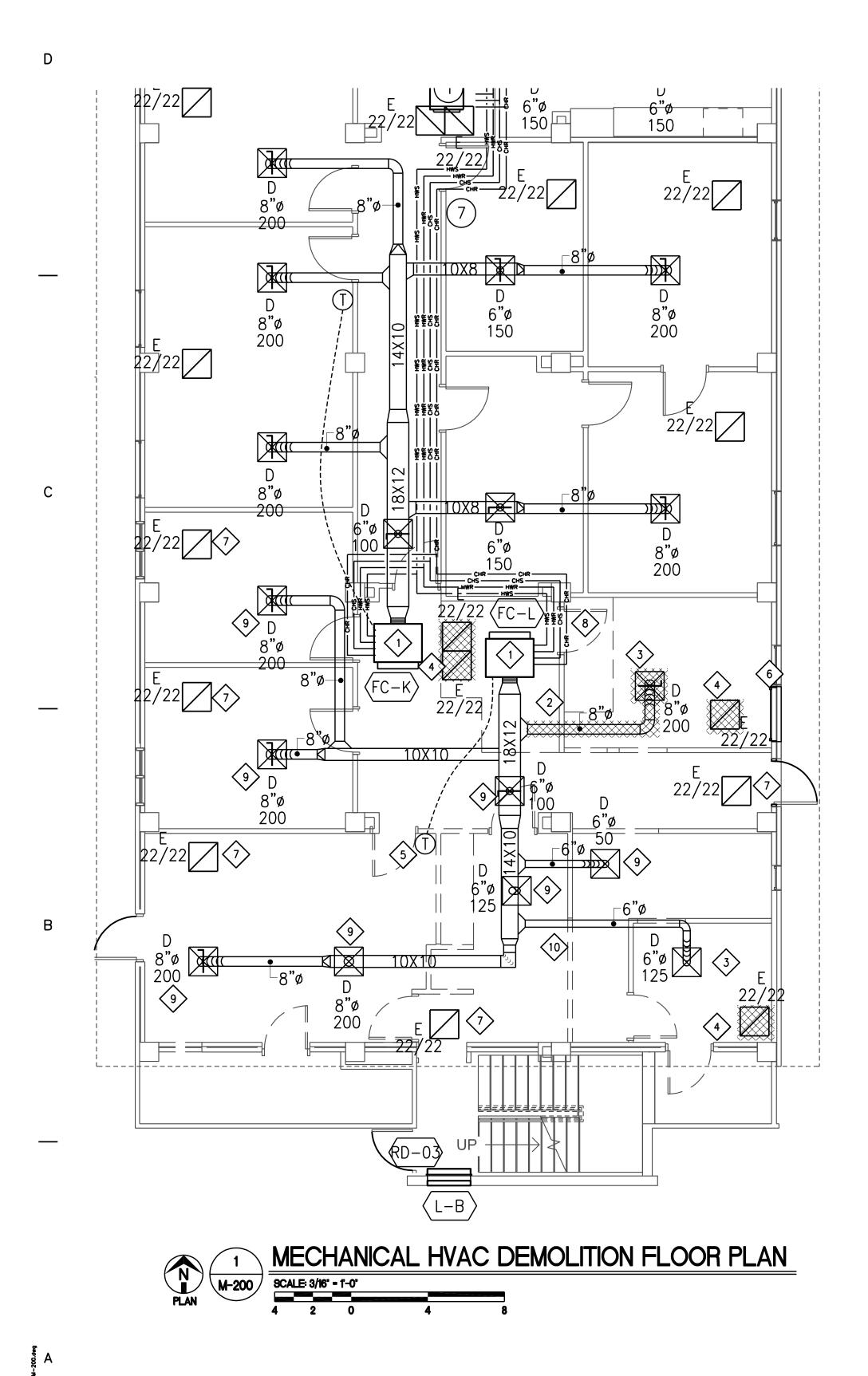
GY CONSERVATION CODE 2015.

MECHANICAL GENERAL

INFORMATION, LEGEND, ENERGY

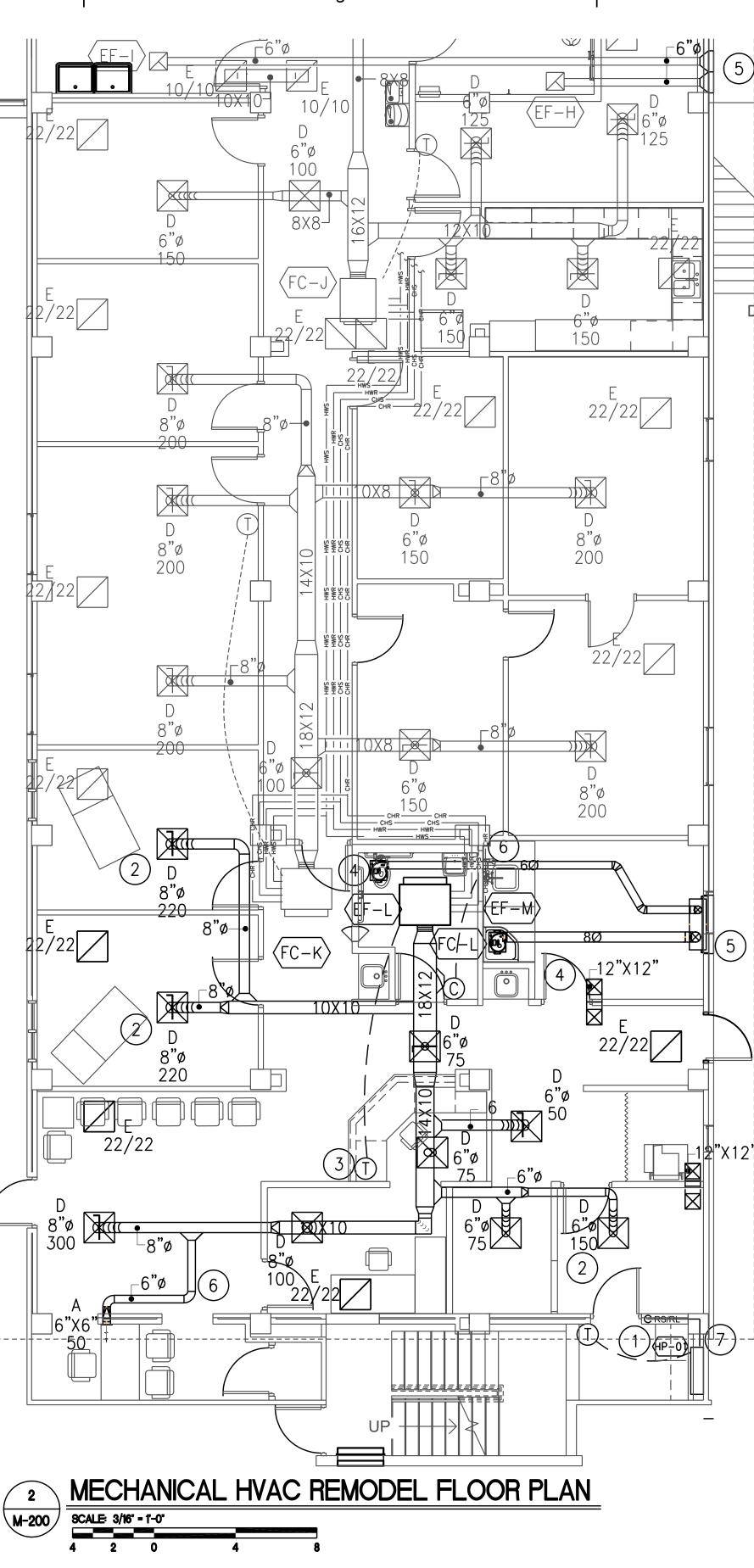
COMPLIANCE, AND SCHEDULES

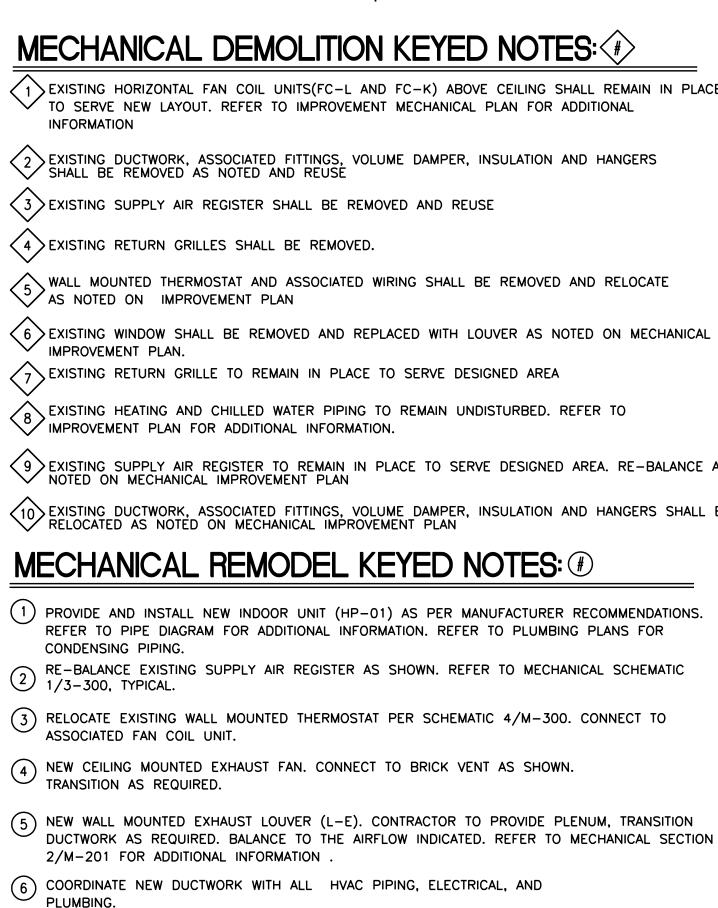
**M-100** 



N PLAN

2





4

 $\bigcirc$  NEW REFRIGERANT PIPE SHALL RUN INSIDE CHASE. EXTEND TO THE BASEMENT AND AND CONNECT TO CONDENSER UNIT (CU-01) AS PER MANUFACTURER RECOMMENDATIONS

BLAN 3 AIR

## MECHANICAL DEMOLITION KEYED NOTES:

EXISTING HORIZONTAL FAN COIL UNITS(FC-L AND FC-K) ABOVE CEILING SHALL REMAIN IN PLACE TO SERVE NEW LAYOUT. REFER TO IMPROVEMENT MECHANICAL PLAN FOR ADDITIONAL

WALL MOUNTED THERMOSTAT AND ASSOCIATED WIRING SHALL BE REMOVED AND RELOCATE AS NOTED ON IMPROVEMENT PLAN

T EXISTING RETURN GRILLE TO REMAIN IN PLACE TO SERVE DESIGNED AREA

8 EXISTING HEATING AND CHILLED WATER PIPING TO REMAIN UNDISTURBED. REFER TO IMPROVEMENT PLAN FOR ADDITIONAL INFORMATION.

9 EXISTING SUPPLY AIR REGISTER TO REMAIN IN PLACE TO SERVE DESIGNED AREA. RE-BALANCE AS NOTED ON MECHANICAL IMPROVEMENT PLAN

10 EXISTING DUCTWORK, ASSOCIATED FITTINGS, VOLUME DAMPER, INSULATION AND HANGERS SHALL BE RELOCATED AS NOTED ON MECHANICAL IMPROVEMENT PLAN

## MECHANICAL REMODEL KEYED NOTES: ()

1) PROVIDE AND INSTALL NEW INDOOR UNIT (HP-01) AS PER MANUFACTURER RECOMMENDATIONS. REFER TO PIPE DIAGRAM FOR ADDITIONAL INFORMATION. REFER TO PLUMBING PLANS FOR

3 RELOCATE EXISTING WALL MOUNTED THERMOSTAT PER SCHEMATIC 4/M-300. CONNECT TO

5 NEW WALL MOUNTED EXHAUST LOUVER (L-E). CONTRACTOR TO PROVIDE PLENUM, TRANSITION DUCTWORK AS REQUIRED. BALANCE TO THE AIRFLOW INDICATED. REFER TO MECHANICAL SECTION

S+75 R-75

NOT TO SCALE

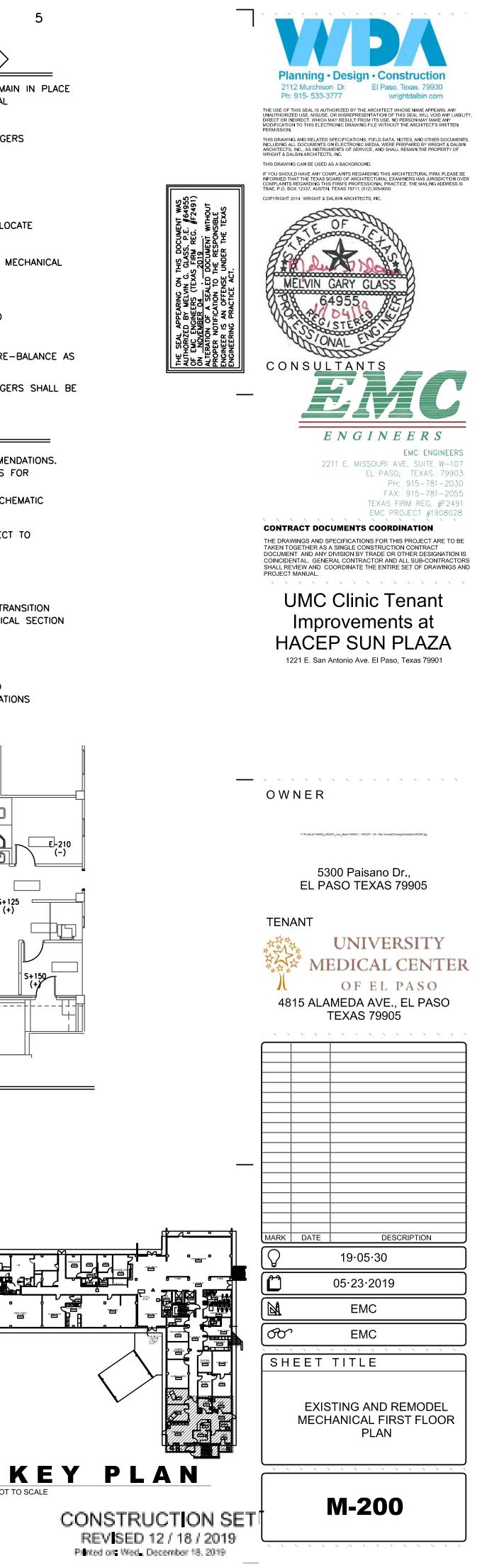
S+100 R-100

AIRFLOW PLAN

S+22( R-22( (N)

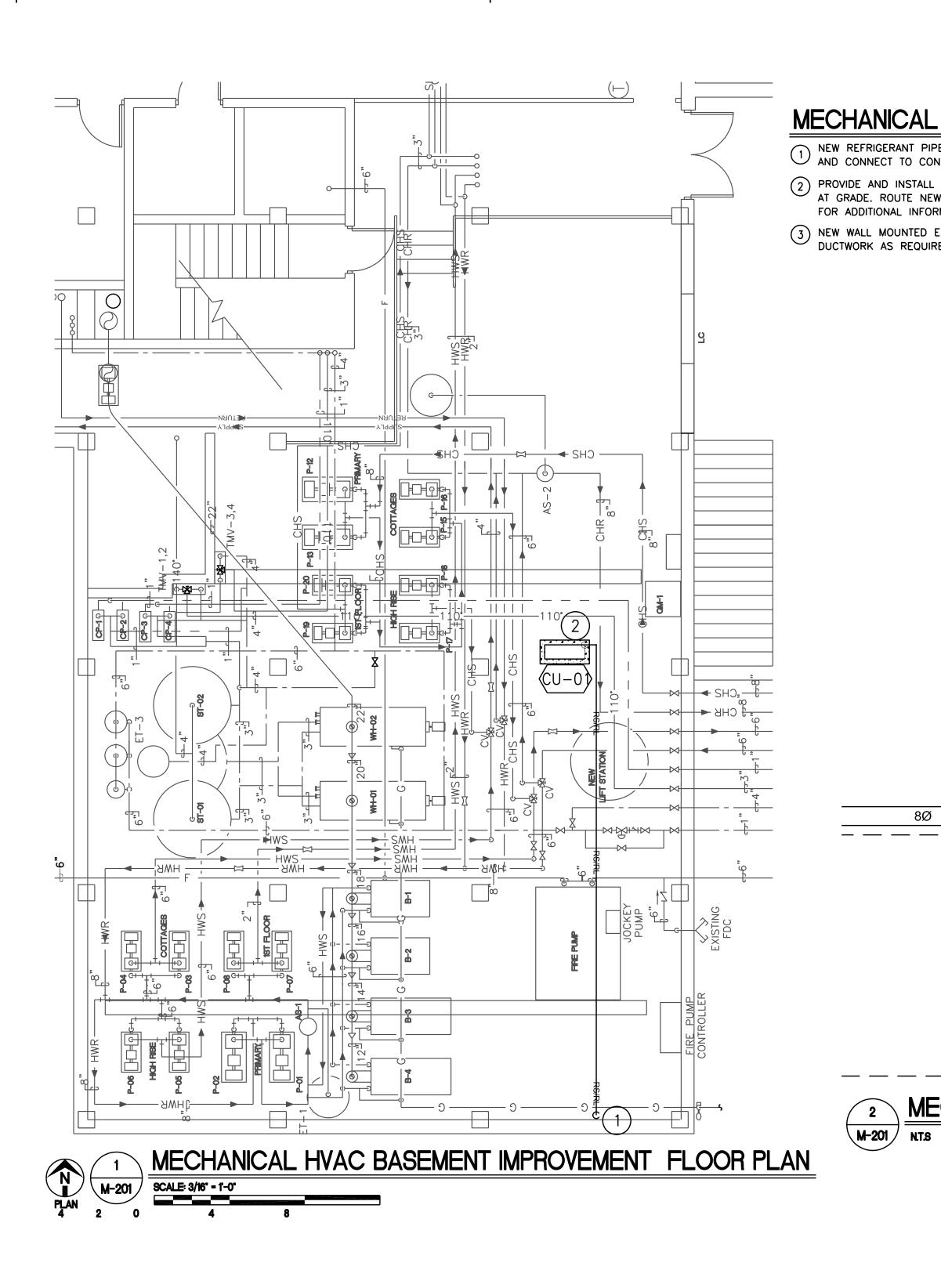
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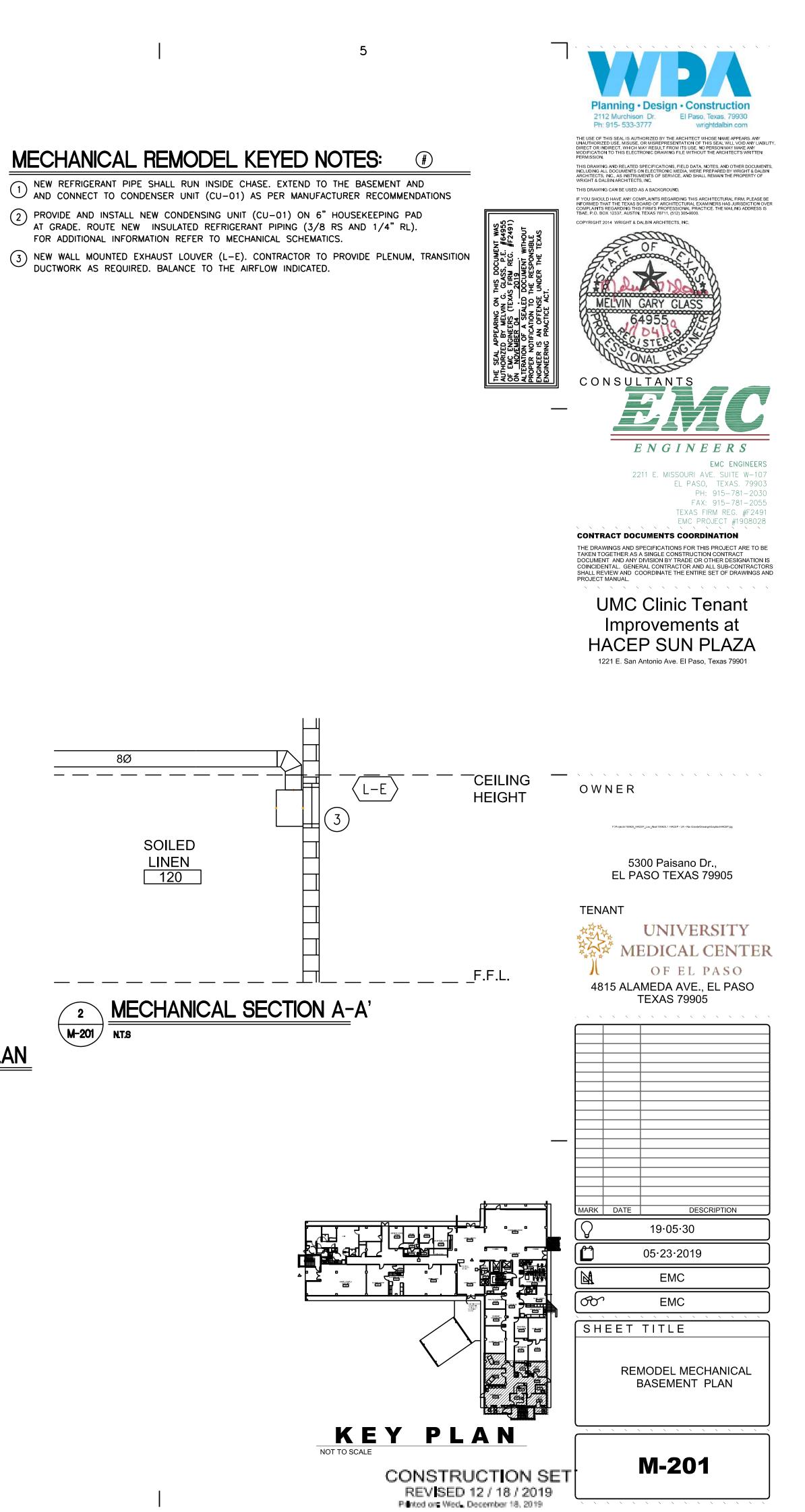
S+350 R-350 (N)

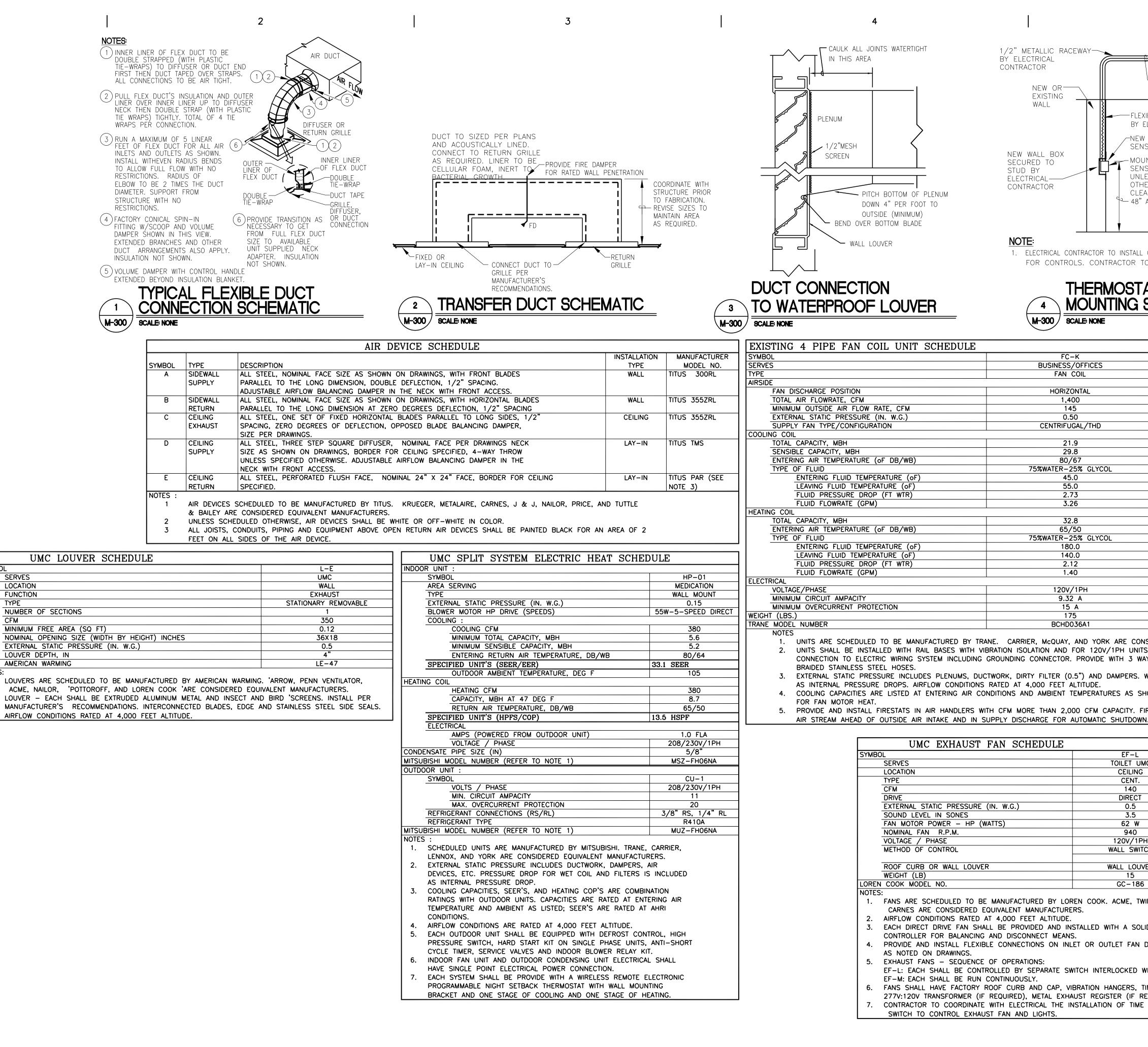


В

D





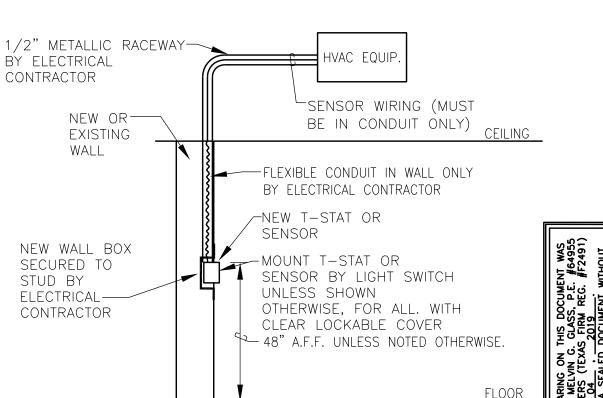


		AI.
SYMBOL	TYPE	DESCRIPTION
A	SIDEWALL	ALL STEEL, NOMINAL FACE SIZE AS SH
	SUPPLY	PARALLEL TO THE LONG DIMENSION, D
		ADJUSTABLE AIRFLOW BALANCING DAMP
В	SIDEWALL	ALL STEEL, NOMINAL FACE SIZE AS SH
U	RETURN	PARALLEL TO THE LONG DIMENSION AT
С	CEILING	ALL STEEL, ONE SET OF FIXED HORIZO
C	EXHAUST	SPACING, ZERO DEGREES OF DEFLECTI
	EXHAUST	SIZE PER DRAWINGS.
D		ALL STEEL, THREE STEP SQUARE DIFFL
D		· ·
	SUPPLY	SIZE AS SHOWN ON DRAWINGS, BORDE
		UNLESS SPECIFIED OTHERWISE. ADJUST
		NECK WITH FRONT ACCESS.
E	CEILING	ALL STEEL, PERFORATED FLUSH FACE,
	RETURN	SPECIFIED.
NOTES :		
1	AIR DEVICES S	SCHEDULED TO BE MANUFACTURED BY 1
	& BAILEY ARE	CONSIDERED EQUIVALENT MANUFACTUR
2	UNLESS SCHE	DULED OTHERWISE, AIR DEVICES SHALL
3	ALL JOISTS, C	ONDUITS, PIPING AND EQUIPMENT ABOV
		SIDES OF THE AIR DEVICE.

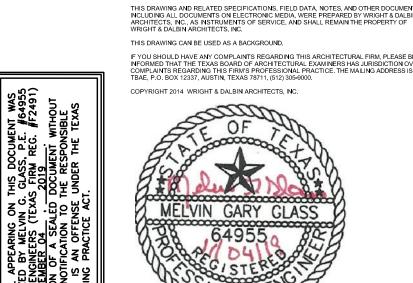
SYMBOL	L-E
SERVES	UMC
LOCATION	WALL
FUNCTION	EXHAUST
TYPE	STATIONARY REMOVABLE
NUMBER OF SECTIONS	1
CFM	350
MINIMUM FREE AREA (SQ FT)	0.12
NOMINAL OPENING SIZE (WIDTH BY HEIGHT) INCHES	36X18
EXTERNAL STATIC PRESSURE (IN. W.G.)	0.5
LOUVER DEPTH, IN	4"
AMERICAN WARMING	LE-47
NOTES:	
1. LOUVERS ARE SCHEDULED TO BE MANUFACTURED BY AMERICAN	WARMING. 'ARROW. PENN VENTILATOR.

ACME, NAILOR, 'POTTOROFF, AND LOREN COOK 'ARE CONSIDERED EQUIVALENT MANUFACTURERS. LOUVER – EACH SHALL BE EXTRUDED ALUMINUM METAL AND INSECT AND BIRD 'SCREENS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. INTERCONNECTED BLADES, EDGE AND STAINLESS STEEL SIDE SEALS.

AIRFLOW CONDITIONS RATED AT 4,000 FEET ALTITUDE.



5



## <u>NOTE:</u>

1. ELECTRICAL CONTRACTOR TO INSTALL CONDUIT AND PULL STRING FOR CONTROLS. CONTRACTOR TO INSTALL WIRE DEVICES.



FC-L
UMC
FAN COIL
HORIZONTAL
1,400
160
0.50
CENTRIFUGAL/THD
· ·
29.0
21.3
80/67
75%WATER-25% GLYCOL
45.0
55.0
2.25
2.92
32.8
65/50
75%WATER-25% GLYCOL
180.0
140.0
2.12
1.40
120V/1PH
9.32 A
15 A
175
BCHD036A1

UNITS ARE SCHEDULED TO BE MANUFACTURED BY TRANE. CARRIER, MCQUAY, AND YORK ARE CONSIDERED TO BE EQUIVALENT MANUFACTURERS. UNITS SHALL BE INSTALLED WITH RAIL BASES WITH VIBRATION ISOLATION AND FOR 120V/1PH UNITS PROVIDE 6-FOOT CORD AND PLUG FOR CONNECTION TO ELECTRIC WIRING SYSTEM INCLUDING GROUNDING CONNECTOR. PROVIDE WITH 3 WAY VALVE KIT AND 24"

3. EXTERNAL STATIC PRESSURE INCLUDES PLENUMS, DUCTWORK, DIRTY FILTER (0.5") AND DAMPERS, WET COIL AND CLEAN FILTERS ARE INCLUDED 4. COOLING CAPACITIES ARE LISTED AT ENTERING AIR CONDITIONS AND AMBIENT TEMPERATURES AS SHOWN. DO NOT INCLUDE DEDUCTION

PROVIDE AND INSTALL FIRESTATS IN AIR HANDLERS WITH CFM MORE THAN 2,000 CFM CAPACITY. FIRESTATS TO BE LOCATED IN THE RETURN

## UMC EXHAUST FAN SCHEDULE

	EF-L	EF-M
	TOILET UMC	SOILED LINEN-UMC
	CEILING	CEILING
	CENT.	CENT.
	140	210
	DIRECT	DIRECT
RE (IN. W.G.)	0.5	0.5
	3.5	5.5
(WATTS)	62 W	90 W
	940	1,431
	120V/1PH	120V / 1PH
	WALL SWITCH	RUN
		CONTINUOUSLY
VER	WALL LOUVER	WALL LOUVER
	15	31
	GC-186	GC-188

1. FANS ARE SCHEDULED TO BE MANUFACTURED BY LOREN COOK. ACME, TWIN CITY, AND

3. EACH DIRECT DRIVE FAN SHALL BE PROVIDED AND INSTALLED WITH A SOLID STATE SPEED

4. PROVIDE AND INSTALL FLEXIBLE CONNECTIONS ON INLET OR OUTLET FAN DUCT CONNECTIONS

EF-L: EACH SHALL BE CONTROLLED BY SEPARATE SWITCH INTERLOCKED WITH RESPECTIVE ROOM LIGHTS. 6. FANS SHALL HAVE FACTORY ROOF CURB AND CAP, VIBRATION HANGERS, TIME DELAY SWITCH,

277V:120V TRANSFORMER (IF REQUIRED), METAL EXHAUST REGISTER (IF REQUIRED) AND GRAVITY BACK DRAFT DAMPER. CONTRACTOR TO COORDINATE WITH ELECTRICAL THE INSTALLATION OF TIME DELAY LIGHT SWITCH.

Improvements at HACEP SUN PLAZA 1221 E. San Antonio Ave. El Paso, Texas 7990

**CONTRACT DOCUMENTS COORDINATION** 

AKEN TOGETHER AS A SINGLE CONSTRUCTION CONTRACT DOCUMENT AND ANY DIVISION BY TRADE OR OTHER DESIGNATION IS

THE DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT ARE TO BE

COINCIDENTAL. GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL REVIEW AND COORDINATE THE ENTIRE SET OF DRAWINGS AND

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MELVIN GARY GLASS

UNAI

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EMC ENGINEERS

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TEXAS FIRM REG. #F2491

EMC PROJECT #1908028

FAX: 915-781-2055

CONSULTANTS

El Paso, Texas. 79930

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2112 Murchison Dr.

Ph: 915-533-3777

OWNER

PROJECT MANUAL.

FAProjects\150425\_MACEP\_Los\_Rise\1504251 MACEP + LR + Ro Grande\Brosings\Graphics\MACEP.jpg

TENANT

## UNIVERSITY MEDICAL CENTER OF EL PASO

4815 ALAMEDA AVE., EL PASO TEXAS 79905

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EF-M	í					
SOILED LINEN-UMC						
CEILING						
CENT.						
210						
DIRECT						
0.5						
5.5						
90 W						
1,431						
120V / 1PH						
RUN						
CONTINUOUSLY						
WALL LOUVER						
31						
GC-188						
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ED	1	Ľ		05.23.2019		
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IVE ROOM LIGHTS.		<u> </u>	~ ~ ~ ~	· · · · · · ·		
WITCH,		SHEET TITLE				
) GRAVITY BACK DRAFT DAMPER.						
SWITCH.						
				MECHANICAL		
		SCHEMATICS & SCHEDULES				
CONSTRUCTION SET			M 200			
Servinger of CEL			<b>M-300</b>			



<sup>5300</sup> Paisano Dr., EL PASO TEXAS 79905