PROJECT
Monahans Sandhills State Park
Visitors Center & Section House Renovations

PROJECT NO: 1110169
DATE: 3/19/2021

OFFICIAL BUILDING CODE SUMMARY

1. LIFE SAFETY CODE NFPA - 101 - 2015
2. INTERNATIONAL CODE COUNCIL ADOTIONS*
   a. COMPLIANCE WITH THE ENERGY CONSERVATION DESIGN STANDARD OF THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)/ASHRAE/ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA), ENERGY STANDARD FOR BUILDINGS, 7. EXISTING BUILDINGS INTERNATIONAL EXISTING BUILDINGS CODE 2015
   b. 3. PLUMBING CODE INTERNATIONAL PLUMBING CODE 2015
   c. 4. MECHANICAL CODE INTERNATIONAL MECHANICAL CODE 2018
   d. 5. ELECTRICAL CODE NATIONAL ELECTRICAL CODE 2017
   e. ALTERNATES B, C, D, E INFERRED TO BE CONFORMING TO THE APPROPRIATE CODES - SEE SHEET 18, 04-09, S-04, S-08, AND S-12 WHICH ARE DEDICATED TO AND DESCRIBE THE ALTERNATE.

SCOPE OF WORK

A. Work of the Project includes:
   1. Comfort Station
      A. Demolition of existing Comfort Station and site preparation;
      B. Construction of new replacement masonry and concrete Comfort Station building with operable windows;
      C. Complete demolition and replacement of storefront and window systems;
      D. New mechanical, electrical, and plumbing systems.
      E. Augmenting the exterior envelope, new interior partitions, doors, demountable partitions;
      F. All related site work including road way and parking.
   2. Equestrian Site
      A. Nature trail .25 Miles
      B. 1.5 Miles Between
   3. Picnic Area
      A. Demolition of existing Comfort Station and site preparation;
      B. Construction of new replacement masonry and concrete Comfort Station building with operable windows;
      C. Complete demolition and replacement of storefront and window systems;
      D. New mechanical, electrical, and plumbing systems.
      E. Augmenting the exterior envelope, new interior partitions, doors, demountable partitions;
      F. All related site work including road way and parking.
   4. Existing Maintenance Buildings
      A. Demolition of existing Maintenance Buildings and site preparation;
      B. Construction of new replacement masonry and concrete Comfort Station building with operable windows;
      C. Complete demolition and replacement of storefront and window systems;
      D. New mechanical, electrical, and plumbing systems.
      E. Augmenting the exterior envelope, new interior partitions, doors, demountable partitions;
      F. All related site work including road way and parking.
   5. Nature Trail
      A. Construction of new replacement masonry and concrete Comfort Station building with operable windows;
      B. Complete demolition and replacement of storefront and window systems;
      C. Augmenting the exterior envelope, new interior partitions, doors, demountable partitions;
      D. New mechanical, electrical, and plumbing systems.
      E. All related site work including road way and parking.
   6. Existing Residence
      A. Demolition ofexisting Residence and site preparation;
      B. Construction of new replacement masonry and concrete Comfort Station building with operable windows;
      C. Complete demolition and replacement of storefront and window systems;
      D. New mechanical, electrical, and plumbing systems.
      E. Augmenting the exterior envelope, new interior partitions, doors, demountable partitions;
      F. All related site work including road way and parking.
   7. EXISTING BUILDINGS
      A. Demolition of existing Comfort Station and site preparation;
      B. Construction of new replacement masonry and concrete Comfort Station building with operable windows;
      C. Complete demolition and replacement of storefront and window systems;
      D. New mechanical, electrical, and plumbing systems.
      E. Augmenting the exterior envelope, new interior partitions, doors, demountable partitions;
      F. All related site work including road way and parking.

ALTERNATES

A. ALTERNATE #1: Plaza pavilion north of the Visitors Center, including its corresponding flatwork and parking; includes required tie-in to adjacent sidewalks and surfacing materials. See SECO website for State Funded Buildings, New Construction and Major Renovation Requirements and SECO Compliance Certification Forms.

B. ALTERNATE #2: Plaza pavilion north of the Visitors Center, including its corresponding flatwork and parking, new ramps and sidewalks to provide accessible access, parking for re-stopping, and maintaining well at the Visitors Center/Comfort Station and surrounding site.

C. ALTERNATE #3: Plaza pavilion north of the Visitors Center, including its corresponding flatwork and parking; includes required tie-in to adjacent sidewalks and surfacing materials. See SECO website for State Funded Buildings, New Construction and Major Renovation Requirements and SECO Compliance Certification Forms.

D. ALTERNATE #4: Plaza pavilion north of the Visitors Center, including its corresponding flatwork and parking; includes required tie-in to adjacent sidewalks and surfacing materials. See SECO website for State Funded Buildings, New Construction and Major Renovation Requirements and SECO Compliance Certification Forms.

E. ALTERNATE #5: Plaza pavilion north of the Visitors Center, including its corresponding flatwork and parking; includes required tie-in to adjacent sidewalks and surfacing materials. See SECO website for State Funded Buildings, New Construction and Major Renovation Requirements and SECO Compliance Certification Forms.

ALTERNATES A, B, C, D, E INFERRED TO BE CONFORMING TO THE APPROPRIATE CODES - SEE SHEET 18, 04-09, S-04, S-08, AND S-12 WHICH ARE DEDICATED TO AND DESCRIBE THE ALTERNATE.
1. General Description
   a. Applicable Codes
      1. International Building Code (IBC) - 2015
      2. International Plumbing Code (IPC) - 2015
      3. International Mechanical Code (IMC) - 2015
      4. International Fuel Gas Code (IFGC) - 2018
      6. National Electrical Code (NFPA 70) - 2020
   b. Accessibility:
      1. Dept. of Justice 2010 ADA Standards for Accessible Design
      2. Architectural Barriers Act Accessibility Standards for Outdoor Developed Areas (ADAASODA) - November 23, 2013
      3. Texas Accessibility Standards (TAS) 2012

2. Occupancies (IBC Section Tables 504.3, 504.4, and 506.2)
   a. Allowable Areas (IBC Table 506.2)
      1. A-1 Occupancy - 4,000 sf (300 occupants/NFPA 101 12.1.4)
      2. Occupancy - 9,000 sf
      3. B-1 Occupancy - 9,000 sf (Class C/ERC NFP A 101 36.2.2.1.3) This is the main occupancy.
      4. Building - 9,000 sf
   b. Maximum Travel Distance
      1. IBC Table 107.7 permits exit access travel distance in non-sprinklered spaces up to:
         a. Group A: 200 feet
         b. Group B: 200 feet (100 ft. when a single exit NFPA 101 12.3.2.1)
         c. Group M: 200 feet (150 ft. NFPA 101 36.2.6)
      2. Longest travel distance in the project is 63' 9" feet from the northeast corner of the Break Room 304 to the exit through door 102. This is less than the most restrictive of the travel distances.
   c. Minimum Number of Exits per Story (IBC 1006.3, NFPA 101 7.4.1.3.1)
      1. IBC Table 1006.3.1 requires two exits per story for the first 100 occupants.
      2. When two exits are required, arrangement shall be such that they are placed a distance apart equal to one-half the length of the minimum overall diagonal. (IBC 107.1.1, NFPA 101 7.4.1.3.1)
      3. The minimum diagonal between exits is 108'-2". Which is greater than half the maximum diagonal.
   d. Common Path of Egress
      1. In a non-sprinklered condition, IBC Table 606.3.1.6, M spaces with less than 49 occupants may have a single point of egress. For over 49 occupants, common path of travel is limited to 75. (NFPA 101 - 12.2.5.1.2 A occ. 75; 37.2.5.3.2 M occ. 75')
      2. A occupancy has two exits and common path of travel is from NE corner of Storage and is 11.5 feet.
      3. B occupancy has a single exit which leads into the associated exhibit hall.
      4. Minimum common path of travel is from NE corner of Storage and is 11.5 feet.

3. Fire Resistance Requirements for Building Elements (IBC Table 601, NFPA 220 Table 4.1.3)
   a. Structural requirements
      1. Primary Structural Frame 0 hours
      2. Exterior Bearing Walls 0 hours
      3. Interior Bearing Walls 0 hours
      4. Nonbearing walls & Partitions (interior) 0 hours
      5. Roof Construction & secondary members 0 hours
      6. Floor Construction 0 hours
      7. Floor Construction 0 hours
      8. Roof Construction & secondary members 0 hours
   b. Construction Type:
      1. Type V-B (V000) IBC 602.5 (NFPA 220.4.6)

4. Means of Egress Requirements (IBC Chapter 10)
   a. Loading and egress calculations
      1. The building is generally divided into three areas. Their loading as follows:
         a. A-1 lobby: 0.00 sf @ 300 sf/occ. = 0.00 occupants
         b. Main area: 840 sf @ 300 sf/occ. = 2.8 occupants
         c. Mercantile (sales area): 1,248 sf @ 300 sf/occ. = 4.16 occupants
         d. Mercantile (storage): 158 sf @ 300 sf/occ. = 0.5 occupants
      2. Total occupants 92.9 or 93 occupants
      3. There are no individual spaces with an occupancy over 49 occupants. No individual spaces require 2 or more exits.

5. Plumbing Facility Requirements
   a. IBC Table 403.1 requirements applied in tables below.
GENERAL NOTES
1. Existing conditions shown on these drawings were taken from record drawings and site surveys. Contractor shall field verify all existing conditions before commencing work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.

2. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off true north. Plan north is that angle west of true north, i.e. the "northwest" wall is considered north in plan.

3. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish components are to the finished surface.

4. Replace stone veneer to match existing where needed.

5. When the work requires removal of existing portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the exterior envelope to protect existing Work from weather and extremes of temperature and humidity.

DEMOLITION NOTES
1. Coordinate disruption/removal of power, utilities, etc., with owner, architect and utility company.

2. Refer to project manual for additional demolition notes.

3. Dashed lines such as --- indicate existing to be demolished, removed, or relocated.

4. Field verify all dimensions.

5. Saw cut all structural, mechanical, electrical, and plumbing penetrations.

6. Clean and repair all surfaces (floors, walls, and ceilings).

7. Reference door schedule for door hardware to be removed or replaced.

8. Partitions inside Mech. closets and behind storefronts will be retained, as will the rest of the interior partitions during demo & construction. The contractor will provide any necessary temporary bracing and protection from weather.

9. Remove mortar at joint between stone veneer and steel CEE and flashing. Prepare for sealant.

 DEMOLITION KEY NOTES
D42 Demo existing concrete sidewalk. Ref. to Civil/C-03
D43 Remove existing Yucca plant. Store and care for plants after removal to replant them after completion of construction. Re: A-29 for replanting location.
D47 Alternate #1: "Remove existing Yucca plant. Store and care for plants after removal to replant them after completion of construction. Re: A-30 for replanting location."
D48 Alternate #1: Remove 30-40 small Shin Oaks to be replanted at conclusion of construction in this hatched area. Store and care for plants after removal to replant them after completion of construction. Re: A-30 for replanting location.
D50 Demo Retaining Walls
1. Existing conditions shown on these drawings surveys. Contractor shall field verify all existing conditions before commencing work and report any and all discrepancies immediately.

2. Coordinate disruption/removal of power, utilities, etc., with owner, architect and utility company.

3. Field verify all dimensions.

4. Field verify all existing conditions before commencing work and report any and all discrepancies immediately.

5. When the work requires removal of existing demolition of the existing Comfort Station, Contractor must close openings in the exterior envelope to protect existing Work from weather and extremes of temperature necessary temporary bracing and protection from weather.

6. Remove mortar at joint between stone veneer and steel CEE and flashing. Prepare for sealant.

7. Remove fire extinguisher and bracket for reinstallation.

8. Remove toilet accessories and cabinetry.

9. Remove partition framing. Demo wall base and gypsum board per requirements in Mold Abatement.

10. Partition framing to remain. Demo wall base and gypsum board per requirements in Mold Abatement.


14. Existing Javalina display to be protected handled carefully. Move as necessary to facilitate demo & construction.

15. Demo toilet accessories and cabinetry.


17. Demo toilet accessories and cabinetry.

18. Prepare all necessary temporary bracing and protection from weather.

19. REF: 1/4" = 1'-0" A-05D-02

20. Coordinate removal of power, utilities, etc., with owner, architect and utility company.

21. Field verify all dimensions.

22. Field verify all existing conditions before commencing work and report any and all discrepancies immediately.

23. Field verify all dimensions.


25. Demo toilet accessories and cabinetry.

26. Prepare all necessary temporary bracing and protection from weather.
1. Existing conditions shown on these drawings were taken from record drawings and site surveys. Contractor shall field verify all existing conditions before commencing work and report any and all discrepancies between actual conditions and conditions immediately.

2. Coordinate disruption/removal of power, utilities, etc..., with owner, architect and demolition notes.

3. Dashed lines such as - indicate existing masonry. Contractor must close openings in the exterior envelope to protect existing work from weather and extremes of temperature and humidity.

4. Field verify all dimensions.

5. Saw cut all structural, mechanical, electrical, and plumbing penetrations.

6. Remove mortar at joint between stone veneer where needed.

7. When the work requires removal of existing portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the exterior envelope to protect existing Work from weather.

8. Partitions inside Mech. closets and behind storefronts will be retained, as will the rest of the existing structure. The contractor will provide any necessary temporary bracing and protection from weather.

9. Remove stone veneer to match existing where needed.

3. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All components are to the finished surface.
1. Existing conditions shown on these drawings are intended for use in the design phase only. Contractor shall field verify all existing conditions before commencing work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.

2. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish components are to the finished surface.

3. When the work requires removal of existing portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the exterior envelope to protect existing Work from weather and extremes of temperature and humidity.

4. Coordinate disruption/removal of power, utilities, etc..., with owner, architect and utility company.

5. Refer to project manual for additional demolition notes.

6. Dashed lines such as - to be demolished, removed, or relocated.

7. Field verify all dimensions.

8. Saw cut all structural, mechanical, electrical, and plumbing penetrations.

9. Clean and repair all surfaces (floors, walls, and ceilings).

10. Reference door schedule for door hardware to be removed or replaced.

11. Partitions inside Mech. closets and behind storefronts will be retained, as will the rest of the interior partitions during demo & construction. The contractor will provide any necessary temporary framing and protection.

12. Remove mortar at joint between stone veneer and steel CEE and flashing. Prepare for sealant.

13. Replace stone veneer to match existing where needed.

14. Remove and salvage stone veneer from existing comfort station for reuse on new comfort station. Demo back-up wall. Supplement salvaged stone with matching new stone (obtained off site) if salvaged stone quantities are insufficient.

15. Demo existing slab, flatwork, walls, fixtures, roof, etc. of Comfort Station.

16. Protect guardrails or carefully remove for reinstallation.

17. Remove guardrails for reinstallation.

18. Remove mortar at joint between stone.
GENERAL NOTES

1. Existing conditions shown on these drawings were taken from record drawings and site surveys. Contractor shall field verify all existing conditions before commencing work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer.

2. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off true north. Plan north is that angle west of north, i.e. the "northwest" north in plan.

3. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish components are to the finished surface.

4. Replace stone veneer to match existing where needed.

5. When the work requires removal of existing portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the exterior envelope to protect existing Work from weather and extremes of temperature and humidity.

DEMOLITION NOTES

1. Coordinate disruption/removal of power, utilities, etc..., with owner, architect and utility company.

2. Refer to project manual for additional demolition notes.

3. Dashed lines such as - to be demolished, removed, or relocated.

4. Field verify all dimensions.

5. Saw cut all structural, mechanical, electrical, and plumbing penetrations.

6. Clean and repair all surfaces (floors, walls, and ceilings).

7. Reference door schedule for door hardware to be removed or replaced.

8. Partitions inside Mech. closets and behind storefronts will be retained, as will the rest of the interior partitions during demo & construction. The contractor will provide any necessary temporary bracing and protection from weather.

9. Remove mortar at joint between stone veneer and steel CEE and flashing. Prepare for sealant.

DEMOLITION KEY NOTES

1. Prepare surface of all trim boards, repaint.

2. Remove battens, prepare surface of all siding boards and battens. Seal any holes or gaps. Replace any rotten wood.


4. Repair exterior damage from location where bars were removed on window and door trim, typ.

5. Prep and repaint railings, stairs, and deck.

6. Remove existing wood shake roofing and undelayment. Repair any rotten or damaged substrate boards. Install roof system.

7. Prep door and repaint.

8. Flash wall to ducting, to close gap and seal off opening.

9. Ventilation Unit to remain.

10. Ventilation Unit to be removed.
TRENCH EXCAVATION SAFETY PROTECTION

Contractor and all subcontractors shall comply with all applicable occupational safety and health standards and regulations of the United States Department of Labor and the States of Texas and the counties in which the Project is located, as well as all other applicable laws, rules, and regulations. Contractor shall ensure that all employees and subcontractors are furnished with adequate and appropriate personal protective equipment in accordance with the relevant OSHA and ANSI standards.

EXISTING UTILITIES

1. Location and depth of existing utilities shown within yellow areas are approximate. All actual locations and depths shall be verified to the satisfaction of the Project Engineer. Contractor shall be responsible for the protection of existing utilities during construction.
2. It is ensured that all utilities prior to construction all utilities are marked to locate and that they are the underground facilities prior to excavation.
3. The Contractor needs to review the possibility of unmarked underground utilities. Only the underground utilities are marked to locate the actual facilities prior to excavation. The Contractor is responsible for locating and providing copies of the underground facilities prior to excavation.
4. Trenches or excavation may not be filled in or backfilled unless authorized by the Project Engineer.

TRAFFIC NOTES:

1. It is the Contractor’s sole responsibility to see that all temporary traffic barriers, signs, and traffic control are properly installed and maintained at all times in accordance with the State’s specifications and related requirements. Contractor shall ensure that all temporary traffic barriers, signs, and traffic control are properly installed and maintained at all times in accordance with the State’s specifications and related requirements. Contractor shall ensure that all temporary traffic barriers, signs, and traffic control are properly installed and maintained at all times in accordance with the State’s specifications and related requirements. Contractor shall ensure that all temporary traffic barriers, signs, and traffic control are properly installed and maintained at all times in accordance with the State’s specifications and related requirements.
WATER DISTRIBUTION SYSTEM
CONSTRUCTION KEYNOTES

WATER LINE BEDDING DETAIL

Waterline shall be installed to have a minimum coverage of 24" to the cover of the pipe.

VALVE IN VALVE BOX DETAIL

All valve boxes shall be securely bolted to the concrete.

WATER DISTRIBUTION SYSTEM
CONSTRUCTION KEYNOTES

- Waterline shall be installed to have a minimum coverage of 24" to the cover of the pipe.
- All valve boxes shall be securely bolted to the concrete.
NATURAL GROUND SLOPE @ NORTH SIDE OF COMFORT STATION BUILDING

MAXIMUM SLOPES FOR GRADEWORK SHALL BE 2:1 IN ALL AREAS

SLOPE = 3.4:1

4.5' RETAINING WALL (FOR DETAILS SEE STRUCTURAL PLANS)

CONCRETE DECK AT COMFORT STATION

SLOPE = 2.9:1

NATURAL GROUND SLOPE @ SOUTH SIDE OF COMFORT STATION BUILDING

MAXIMUM SLOPE = 3:1

SLOPE = 2.3:1

CONCRETE DECK AT COMFORT STATION DETAIL

STEEL NOTE:

MINIMUM CONCRETE COVER FOR ALL REBAR SHALL BE 2".
REBAR SUPPORTED BY SADDLES/CHAIRS WHERE NEEDED.
1. Existing conditions shown on these drawings were taken from record drawings and site surveys. Contractor shall field verify all existing conditions before commencing work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.

Approx. Square Feet for Contractor Staging Zone: 18,322 Sq.Ft.


Approx. Acreage in total: 1.08 Acres

3. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish components are to the finished surface.

Provide barriers to prevent public access where needed.

Monahans Sandhills State Park
Visitors Center & Section House Renovations

DATE: 3/19/2021

Projected Construction

LIMITS OF CONSTRUCTION

1.2 signs of Be Prepared to Stop For Flagman
3.1 sign of End of Construction Zone
5.1 sign of Temporary Visitors Center 1.5 Miles
6.1 sign each of Signs 5
8.1 sign of RV Turnaround
9.1 Sign of RV's Do Not Proceed Beyond This Point.

MONAHANS SANDHILLS STATE PARK
VISITORS CENTER & SECTION HOUSE RENOVATIONS

BWM

DESIGNED BY:

BWM

REVISED:

BWM

REFERENCE NOTES

GENERAL NOTES
5. Setting conditions shown on this plan are for guidance purposes only and are not intended to indicate the proposed scope of work. Contractor is responsible for securing all necessary permits prior to commencing work and shall be responsible for maintaining all permits issued.
6. The Contractor agrees to complete the work located within the limits of disturbance areas in a manner that will not cause harm to the natural environment. Work shall be performed in accordance with local, state, and federal regulations.
7. The Contractor agrees to provide all necessary safety barriers and protective equipment to prevent injury to the public and construction personnel. All work shall be performed in a safe and prudent manner.
8. The Contractor agrees to maintain all materials, equipment, and temporary facilities on the site in a clean and orderly condition.
9. The Contractor agrees to complete all work in a timely manner and to the satisfaction of the Architect/Engineer.

REFERENCE NOTES

GENERAL NOTES

1. Setting conditions shown on this plan are for guidance purposes only and are not intended to indicate the proposed scope of work. Contractor is responsible for securing all necessary permits prior to commencing work and shall be responsible for maintaining all permits issued.

LIMITS OF CONSTRUCTION

1.2 signs of Be Prepared to Stop For Flagman
3.1 sign of End of Construction Zone
5.1 sign of Temporary Visitors Center 1.5 Miles
6.1 sign each of Signs 5
8.1 sign of RV Turnaround
9.1 Sign of RV's Do Not Proceed Beyond This Point.

MONAHANS SANDHILLS STATE PARK
VISITORS CENTER & SECTION HOUSE RENOVATIONS

BWM

DESIGNED BY:

BWM

REVISED:

BWM

REFERENCE NOTES

GENERAL NOTES
5. Setting conditions shown on this plan are for guidance purposes only and are not intended to indicate the proposed scope of work. Contractor is responsible for securing all necessary permits prior to commencing work and shall be responsible for maintaining all permits issued.
6. The Contractor agrees to complete the work located within the limits of disturbance areas in a manner that will not cause harm to the natural environment. Work shall be performed in accordance with local, state, and federal regulations.
7. The Contractor agrees to provide all necessary safety barriers and protective equipment to prevent injury to the public and construction personnel. All work shall be performed in a safe and prudent manner.
8. The Contractor agrees to maintain all materials, equipment, and temporary facilities on the site in a clean and orderly condition.
9. The Contractor agrees to complete all work in a timely manner and to the satisfaction of the Architect/Engineer.

REFERENCE NOTES
GENERAL NOTES
1. Existing conditions shown on these drawings were taken from record drawings and site surveys. Contractor shall field verify all existing conditions before commencing work. Any discrepancy between actual conditions and conditions illustrated in the drawings must be resolved by the Architect/Engineer.

2. The Visitors Center and the Comfort Station shall include a metal privacy screen as illustrated in the Elevation drawings. The screen shall be in true north, i.e. the "northwest." Existing north, i.e. the "northeast," is indicated to the Architect/Engineer in plan north.

3. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish components are to the finished surface.

4. Replace stone veneer to match existing where needed.

5. When the work requires removal of existing portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the existing paving from weather and extremes of temperature and humidity.
1. Existing conditions shown on these drawings were taken from record drawings and site surveys. Contractor shall field verify all existing conditions before commencing work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.

2. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off true north. Plan north is that angle west of northwest.

3. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish components are to the finished surface.

4. When the work requires removal of existing portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the exterior envelope to protect existing Work from weather and extremes of temperature and humidity.

5. Replace stone veneer to match existing veneer at end of bench where needed.

6. Existing conditions on these drawings were taken from record drawings and site surveys. Contractor shall field verify all existing conditions before commencing work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.

7. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off true north. Plan north is that angle west of northwest.

8. Chamfered Polished into polished CMU Edges All sides polished Nominal Structural footing 1'-6" 8" O.C. 3' - 0" Concrete Flatwork: Re: Civil

9. When the work requires removal of existing portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the exterior envelope to protect existing Work from weather and extremes of temperature and humidity.

10. Align edge of flatwork with face of stone veneer at end of bench.
GENERAL NOTES

1. Existing conditions shown on these drawings and surveys. Contractor shall field verify all indicated to the Architect/Engineer.

2. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off true north. Plan north is that angle west of north, i.e. the "northwest" north in plan.

3. All plan dimensions between wall face of framing unless noted otherwise. All dimensions at casework and finish components are to the finished surface.

4. When the work requires removal of existing portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the exterior envelope to protect existing Work from weather and extremes of temperature and humidity.

REFERENCE NOTES

Window Types - W1

1. 1" Low-E Insulated Glazing (Triple Silver) - Tinted Light Green

2. 1" Tempered Low-E Insulated Glazing (Triple Silver) - Tinted Light Green

3. 1" Low-E Insulated Glazing (Triple Silver) - Light Green with Frosted Inner Panel

4. 1" Low-E Insulated Glazing (Triple Silver) - Clear Base - Fixed right

5. 1" Low-E Insulated Glazing (Triple Silver) - Fixed Base - Fixed right

6. 1" Low-E Insulated Glazing - Fixed Base - Fixed right

7. 1" Glass Vent Awning Panel

8. 1" Glass Vent Awning Panel - Thermally Broken

9. Monahans Sandhills State Park

Visitors Center & Section House Renovations

Monahans Sandhills State Park

Visitors Center & Section House Renovations

11/19/19

BWM ARCHITECTS

DESIGNED BY: DATE:

BWM
NDM
BWM

DRAWN BY:

REVIEWED BY:

REVISED:

REVISED:

REVISED:

REVISED:

SHEET TITLE

Window & Storefront Types

SHEET NUMBER

A-05

100% Construction Documents

WWW.NEKOARCH.COM

TEL. 512.474.6526

AUSTIN, TEXAS 78753
GENERAL NOTES

1. Existing conditions shown on these drawings were taken from record drawings and site existing conditions before commencing work and report any and all discrepancies between actual conditions and conditions oriented approximately 32 degrees off true north. Plan north is that angle west of north in plan.

2. All plan dimensions between wall components are to the finished surface.

3. Replace stone veneer to match existing portions of the building envelope, except demolition of the existing Comfort Station.

4. Replace stone veneer as needed to match existing store front.

Aluminum 2x4.5UT Storefront

- Head Detail at Concrete Roof Channel
- Intermediate Mullion at Backing Partition
- Two Pocket 90 Degree Corner Jamb Detail
- Pocket 90 Degree Jamb Detail
- Sill Detail at Backing Partition
- Exterior Head Detail at Vailors Center
- Exterior Jamb Detail at Double Storefront

Aluminum Framed Storefront

- Head Detail at Concrete Roof Channel
- Double Storefront Jamb Detail
- Sill Detail at Backing Partition
- Exterior Head Detail at Vailors Center
- Exterior Jamb Detail at Double Storefront

Aluminum 2x4.5UT Storefront

- Head Detail at Concrete Roof Channel
- Pocket Detail at Concrete Beam
- Concrete Channel Leg W/ Existing Concrete
- 1/4" Thick Edge Concrete Channel
- Roof Channel
- 3/8" Epoxy anchors
- Notch for Louver
- Aluminum Framed Storefront Sill
- Edge Banding
- Field Stone Limestone
- 4" x 8" x 16" Polished Face
- 1/2" Exterior Grade CMU
- 1/2" Hardwood Plywood
- 1/4" Tempered Glass - Tinted Light Green
- 1" Low-E Insulated Glazing (Triple Silver)

Scale:

1" = 1'-0"
GENERAL NOTES

1. Existing conditions shown on these drawings were taken from record drawings and site surveys. Contractor shall field verify all existing conditions and report the differences between actual conditions and conditions indicated to the Architect/Engineer.

2. The Visitors Center and the Comfort Station are to be constructed of Cast-In-Place Concrete, 3" thick, placed with Grout, and is to be reinforced with the materials listed on the A-05A-11 drawing.

3. All plan dimensions between wall components are from face of masonry or Exterior components are to the finished surface.

4. Replace stone veneer to match existing portions of the building envelope, except demolition of the existing Comfort Station, Aluminum 2x4.5NT Storefront with Aluminum 2x6UT Storefront with Exterior Head Detail at Inverted Project Out - Head Detail.

5. Replace window sashes as needed for weather protection, except demolition of the existing Comfort Station, Aluminum Framed Entrance at Comfort Station.

6. The Visitors Center and the Comfort Station are to be constructed of Cast-In-Place Concrete, 3" thick, placed with Grout, and is to be reinforced with the materials listed on the A-05A-11 drawing.
Existing conditions shown on these drawings are considered true north. Plan north is that angle west of true north.  Restorations and additions as indicated,但未具体说明。在施工前应立即关闭剩余的建筑物的开口，以保护现有的工作不受天气和极端温度的影响。
1. Existing conditions shown on these drawings were taken from record drawings and site surveys. Contractor shall field verify all existing conditions before commencing work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.

2. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off true north. Plan north is that angle west of north, i.e., the "northwest" wall is considered north in plan.

3. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish components are to the finished surface.

4. Replace stone veneer to match existing where needed.

5. When the work requires removal of existing portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the exterior envelope to protect existing Work from weather and extremes of temperature and humidity.
1. Existing conditions shown on these drawings were taken from record drawings and site surveys. Contractor shall field verify all work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.

2. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off true north. Plan north is that angle west of north, i.e. the "northwest".

3. All plan dimensions between wall face of framing unless noted otherwise. All dimensions at casework and finish LLP.

4. When the work requires removal of existing portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the exterior envelope to protect existing Work from weather and extremes of temperature.

5. Stainless steel escutcheon.

REFERENCE NOTES

NEGRETE & KOLAR
ARCHITECTS

SCALE:

Visitors Center North Enlarged
Exterior Elevation - West End

Visitors Center South Enlarged
Exterior Elevation - East End

Visitors Center North Enlarged
Exterior Elevation - East End

Monahans Sandhills State Park
Visitors Center & Section House Renovations

3/19/2021

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100% Construction Documents
1. Existing conditions shown on these drawings were taken from record drawings and site surveys. Contractor shall field verify all existing conditions before commencing work and report any and all discrepancies between actual conditions and conditions immediately.

2. The Visitors Center and the Comfort Station exist on these drawings. Existing Veneer Railing Metal will be replaced to match existing stone veneer where needed.

3. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish are taken from top of stone.

4. Do not use mortar joints thicker than 1/4" in stone or brick construction.

5. When the work requires removal of existing portions of the building envelope, except demolition of the existing Comfort Station, exterior envelope to protect existing Work and humidity.

6. Visitors Center East Enlarged Exterior Elevation

7. Comfort Station East Exterior Elevation
1. Existing conditions shown on these drawings shall be verified by Contractor's surveys. Contractor shall field verify all work and report any and all discrepancies between actual conditions and conditions shown.

2. The Visitors Center and the Comfort Station shall be built adjacent to the park's main entrance on the northwest, i.e. the "outfield" side and is consistent with the surrounding area.

3. If any discrepancies are noted in the field, Contractor must inform the Architect and/or Engineer immediately.

4. The Visitors Center shall be a momentary addition and shall be integrated into the Monahans Sandhills State Park environment.

5. REFERENCE NOTES
   a. Monahans Sandhills State Park
   b. Visitors Center
   c. Section House East Exterior Elevation
   d. Section House West Exterior Elevation
   e. Scale: 1" = 1'-0"
1. Existing conditions shown on these drawings.

2. Adhere these 2 panels to underside of concrete.

3. Panel spacing as shown centered in bays with a running line.

4. Replace stone veneer to match existing portions of the building envelope, except demolition of the existing Comfort Station, exterior envelope to protect existing Work from weather and extremes of temperature and humidity.

REFERENCE NOTES

SCALE: 1" = 1'-0"

PLAN NORTH

GENERAL NOTES

1. Existing conditions shown on these drawings.

2. Panel spacing as shown centered in bays with a running line.

3. Adhere these 2 panels to underside of concrete.

4. Replace stone veneer to match existing portions of the building envelope, except demolition of the existing Comfort Station, exterior envelope to protect existing Work from weather and extremes of temperature and humidity.

REFERENCE NOTES

SCALE: 1" = 1'-0"

PLAN NORTH

GENERAL NOTES

1. Existing conditions shown on these drawings.

2. Panel spacing as shown centered in bays with a running line.

3. Adhere these 2 panels to underside of concrete.

4. Replace stone veneer to match existing portions of the building envelope, except demolition of the existing Comfort Station, exterior envelope to protect existing Work from weather and extremes of temperature and humidity.
GENERAL NOTES

1. Existing conditions shown on these drawings were taken from record drawings and site surveys. Contractor shall field verify all existing conditions before commencing work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.

2. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off true north. Plan north is that angle west of north, i.e. the "northwest" wall is considered north in plan.

3. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish components are to the finished surface.

4. Replace stone veneer to match existing where needed.

5. When the work requires removal of existing portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the exterior envelope to protect existing Work from weather and extremes of temperature and humidity.

REFERENCE NOTES

03 3000C Cast-In-Place Concrete, Re: Civil
03 3000S Cast-In-Place Concrete, Re: Struct
04 2000.A16 8" x 8" x 16" CMU
04 2000.FF4 8" x 8" x 16" Polished Face CMU
04 4213.C4 Field Stone Limestone Veneer 5" thick
05 5200 Metal Railings
07 2113.D4 R7.5 min. Polyiso Board Insulation w/ Foil Facer
07 2726 Fluid Applied Weather Barriers
07 5419.A1 Modified Bitumen Base Sheet
07 5419.A2 Fleece Back PVC w/ Elveloy Kee Finish Ply
07 5419.E10 Tapered Polyiso Board Insulation w/ Organic Felt Facer
07 5419.F2 1/2" Gypsum Underlayment Board
07 5419.G2 1/2" Gypsum Cover Board
09 5446 Fabric Wrapped Ceiling Panels
09 9000.SWC1 Custom Color to Match
22 4713 Drinking Fountains, Re: Plumbing
23 3113 Metal Ducts, Re: Mech.
1. Existing conditions shown on these drawings were taken from record drawings and site work and report any and all discrepancies indicated to the Architect/Engineer.

2. The Visitors Center and the Section House true north. Plan north is that angle west of Rafter.

3. All plan dimensions between wall components are from face of masonry or existing wood deck components are to the finished surface.

4. When the work requires removal of existing demolition of the existing Comfort Station, Existing Rafter, Existing Soffit, Existing Wood, Existing Wood Deck, Existing Chimney, Existing Soffit, Existing Wood, and Replacement battens where needed.

5. Ref. 1 1/2" = 1'-0" A-13A-21

Existing Framing
07 3200.C6
07 3200.C4
07 3200.A0

Existing Wood
07 3200.B0

Existing Wood Deck
07 6200.A8
07 6200.A0

Existing Rafter
09 9000.SW7757
09 9000.SW7001

Existing Soffit
09 9000.SW7757
09 9000.SW7001

Replace battens where needed.

Section House Front Porch Roof
06 2000 Finish Carpentry

Section House Upper Roof To Lower Roof
07 3200.A0 Composite Roof Shake
07 3200.B0 Underlayment
07 3200.C2 Grace Ultra Underlayment
07 3200.C3 Interlayment 30 lb Felt

Scale: 1" = 4'

Visitors Center & Section House Renovations

Monahans Sandhills State Park
Visitors Center & Section House Renovations

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REFERENCE NOTES

A-21

Section House At Ridge

Section House Gable End Rake

Section House High Eave to Rake

Section House Upper Roof To Lower Roof

Section House Low Roof Rake

Section House Eave At High Roof

Section House Eave At Lower Roof

Section House Rake Porch Roof

Section House Valley

Section House Front Porch Eave

Section House Upper Roof To Lower Roof

Reference Notes

Visitors Center
1. Existing conditions shown on these drawings were taken from record drawings and site work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.

2. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off north west.

3. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the

4. Reference Section 10-280 for model no.

5. Existing conditions shown on these drawings were taken from record drawings and site work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.

6. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off north west.

7. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the

8. Reference Section 10-280 for model no.

9. Existing conditions shown on these drawings were taken from record drawings and site work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.

10. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off north west.

11. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the

12. Reference Section 10-280 for model no.

13. Existing conditions shown on these drawings were taken from record drawings and site work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.

14. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off north west.

15. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the

16. Reference Section 10-280 for model no.

17. Existing conditions shown on these drawings were taken from record drawings and site work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.

18. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off north west.

19. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the

20. Reference Section 10-280 for model no.

21. Existing conditions shown on these drawings were taken from record drawings and site work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.

22. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off north west.

23. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the

24. Reference Section 10-280 for model no.

25. Existing conditions shown on these drawings were taken from record drawings and site work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.

26. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off north west.

27. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the

28. Reference Section 10-280 for model no.

29. Existing conditions shown on these drawings were taken from record drawings and site work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.

30. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off north west.

31. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the

32. Reference Section 10-280 for model no.

33. Existing conditions shown on these drawings were taken from record drawings and site work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.

34. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off north west.

35. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the

36. Reference Section 10-280 for model no.

37. Existing conditions shown on these drawings were taken from record drawings and site work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.
**TOILET ACCESSORIES SCHEDULE**

1. Existing conditions shown on these drawings were taken from record drawings and site surveys. Contractor shall field verify all existing conditions before commencing work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.

2. All plan dimensions between wall components are from face of masonry or where needed.

3. When the work requires removal of existing concrete or masonry, Contractor must close openings in the exterior envelope to protect existing work and humidity.

4. The existing concrete column is shown as a square concrete column and is a 5' - 6" x 5' - 6" column located in the Visitors Center.

5. The fire alarm systems are shown as digital addressable fire alarm systems and are located on the north interior elevation.

6. The lighting control system is shown as a panelboard and is located in the Visitors Center.

7. The plumbing fixtures are shown as a hot water heater and are located in the Visitors Center.

8. The electrical fixtures are shown as a telephone demarcation and are located in the Visitors Center.

9. The mechanical ducts are shown as metal ducts and are located in the Visitors Center.

10. The plumbing fixtures are shown as plumbing fixtures and are located in the Visitors Center.

11. The electrical fixtures are shown as electrical fixtures and are located in the Visitors Center.

12. The mechanical ducts are shown as mechanical ducts and are located in the Visitors Center.

13. The plumbing fixtures are shown as plumbing fixtures and are located in the Visitors Center.

14. The electrical fixtures are shown as electrical fixtures and are located in the Visitors Center.

15. The mechanical ducts are shown as mechanical ducts and are located in the Visitors Center.

16. The plumbing fixtures are shown as plumbing fixtures and are located in the Visitors Center.

17. The electrical fixtures are shown as electrical fixtures and are located in the Visitors Center.

18. The mechanical ducts are shown as mechanical ducts and are located in the Visitors Center.

19. The plumbing fixtures are shown as plumbing fixtures and are located in the Visitors Center.

20. The electrical fixtures are shown as electrical fixtures and are located in the Visitors Center.

21. The mechanical ducts are shown as mechanical ducts and are located in the Visitors Center.

22. The plumbing fixtures are shown as plumbing fixtures and are located in the Visitors Center.

23. The electrical fixtures are shown as electrical fixtures and are located in the Visitors Center.

24. The mechanical ducts are shown as mechanical ducts and are located in the Visitors Center.

25. The plumbing fixtures are shown as plumbing fixtures and are located in the Visitors Center.

26. The electrical fixtures are shown as electrical fixtures and are located in the Visitors Center.

27. The mechanical ducts are shown as mechanical ducts and are located in the Visitors Center.

28. The plumbing fixtures are shown as plumbing fixtures and are located in the Visitors Center.

29. The electrical fixtures are shown as electrical fixtures and are located in the Visitors Center.

30. The mechanical ducts are shown as mechanical ducts and are located in the Visitors Center.
1. Existing conditions shown on these drawings were taken from record drawings and site surveys. Contractor shall field verify all existing conditions before commencing work and report any and all discrepancies indicated to the Architect/Engineer.

2. Knee components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish north, i.e. the components are from face of masonry or face of framing unless noted otherwise.

3. Build up plywood to provide relief as illustrated.

4. Replace stone veneer to match existing where needed.

5. Existing conditions shown on these drawings were taken from record drawings and site surveys. Contractor shall field verify all existing conditions before commencing work and report any and all discrepancies indicated to the Architect/Engineer.

6. Millwork sections shown in this drawing are intended to provide a visual representation of the design intent but are not to be used as a substitute for the construction documents.

7. The Architect/Engineer is responsible for ensuring the accuracy of the Millwork Section drawings. Contractor shall verify the Millwork Sections with the Architect/Engineer before fabrication.

8. All Millwork Section drawings are intended to provide a visual representation of the design intent but are not to be used as a substitute for the construction documents.

9. Millwork Sections shown in this drawing are intended to provide a visual representation of the design intent but are not to be used as a substitute for the construction documents.

10. Millwork Sections shown in this drawing are intended to provide a visual representation of the design intent but are not to be used as a substitute for the construction documents.

11. Millwork Sections shown in this drawing are intended to provide a visual representation of the design intent but are not to be used as a substitute for the construction documents.

12. Millwork Sections shown in this drawing are intended to provide a visual representation of the design intent but are not to be used as a substitute for the construction documents.

13. Millwork Sections shown in this drawing are intended to provide a visual representation of the design intent but are not to be used as a substitute for the construction documents.
GENERAL NOTES
1. Existing conditions shown on these drawings may be limited due to phasing and site visibility. Contact project team and foreman on job site for clarification. Final locations and detailing of components indicated on the drawings may have been inaccurately staked.

2. The Visitors Center and the Comfort Station are intended approximately 55 feet off the north curb. In the "inaccurate" work to be undisturbed.

3. All dimensions and locations are intended approximately 2 dimensions must be used.

4. Major construction is documented using the General Notes.

5. While the project requirements for mixing concrete, masonry, etc. shall be maintained, the materials used in the construction of this project are subject to change. However, the use of existing workmanship is the responsibility of the contractor.

REFERENCES TO GENERAL NOTES
1. 06 4100.B5
2. 06 6119
3. 06 1000.A2
4. 06 4100.B1
5. 06 4100.H8
6. 06 1000.P9
7. 06 6119.A0
8. 06 4100.J1
9. 06 4100.B7
10. 06 4100.L3

SCALE:
Millwork Section - Break Room
Millwork Section - Staff Restroom
Millwork Section - Break Room

Visitors Center
Monahans Sandhills State Park
Visitors Center & Section House Renovations
11/03/19
A-27
100% Construction Documents
1. Existing conditions shown on these drawings were taken from record drawings and site work and report any and all discrepancies immediately.

2. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off north, i.e. the north in plan.

3. At Visitors Center, Four 1/4" wedge anchors: Secure in concrete flatwork. Flange tabs shall have holes in 3/16" centers. Do not tighten nuts beyond snug at the flange.

4. Do not tighten nuts to allow movement.

5. Expansion material as shroud.


7. Shroud Top: Fabricate from 14 ga. stainless steel perforated panel, 1/8" holes on 3/16" centers.

8. Steel lock washer and stainless steel stop nuts.


10. INSTALL SCREEN BARRIERS PRIOR TO BLOWN INSULATION

11. Nail or screw to underside of tabs. Use stainless steel lock washer and stainless steel stop nuts.


13. Fabricate from same material as shroud.


15. neckline: Fabricate from 14 ga. stainless steel perforated panel, 1/8" holes on 3/16" centers.

16. Use to secure shroud to allow movement.

17. Weld to inside face of shroud aligning holes with those of the shroud.

18. Use screws that will not penetrate the existing ceiling.

19. Existing ceiling joist into concrete flatwork. Flange tabs shall have holes in 3/16" centers.

20. Existing scuttle hole for more information.
GENERAL NOTES
1. Existing conditions shown on these drawings were taken from record drawings and site surveys. Contractor shall field verify all existing conditions before commencing work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.

2. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off true north. Plan north is that angle west of north, i.e. the "west" wall is considered north in plan.

3. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish components are to the finished surface.

4. Replace stone veneer to match existing where needed.

5. When the work requires removal of existing portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the exterior envelope to protect existing Work from weather and extremes of temperature and humidity.
**GENERAL NOTES**

1. Existing conditions shown on these drawings were taken from record drawings and site surveys. Contractor shall field verify all existing conditions before commencing work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.

2. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off true north. Plan north is that angle west of north, i.e. the "northwest" wall is considered north in plan.

3. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish components are to the finished surface.

4. Replace stone veneer to match existing where needed.

5. When the work requires removal of existing portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the exterior envelope to protect existing Work from weather and extremes of temperature and humidity.

**EXISTING VEGETATION**

- Replant Shin Oak trees amongst Yuccas and to Northeast of pavilion

**REFERENCE A-29** for base bid landscaping this area.

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**SITE DISTURBANCE**

**LIMITS OF CONSTRUCTION**

**HATCH LEGEND**

**CONTRACTOR STAGING AREAS**

**CONCRETE FLATWORK**

**EXISTING VEGETATION**

**LANDSCAPE LEGEND**

**REPLANT, YUCCA PLANT**

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**A-30** Architectural Landscape Site Plan - Alternate #1

*Visitors Center & Section House Renovations*

*Monahans Sandhills State Park*

*3/19/2021*

*NEGRETE & KOLAR Architects*

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*100% Construction Documents*

*TEXAS PARKS & WILDLIFE*
I. SITE WORK

A. Drilled Piers

1. Drilled piers shall be excavated, cleaned, reinforced and concrete placed on the same day.

2. Drilled piers must be located on at least 8' centers.

3. Drilled piers shall be 36" in diameter or 24", whichever is greater.

B. Drilled Piers Construction

1. Drilled piers shall be constructed in accordance with the specifications of the engineer.

2. All drilling shall be performed by a registered drilling contractor licensed in the state of Texas.

3. The engineering specification shall be constructed in accordance with ASTM Standards.

C. Geotechnical Report

1. The geotechnical report shall be prepared by a registered professional engineer.

2. The geotechnical report shall be submitted to the engineer and architect for review.

3. The geotechnical report shall be revised as necessary to meet the specifications of the engineer.

D. General Contractor

1. The general contractor shall comply with the architectural and structural engineer.

E. Drilled Piers Construction Notes

1. Drilled piers shall be located on at least 8' centers.

2. Drilled piers shall be 36" in diameter or 24", whichever is greater.

F. Drilled Piers Construction Details

1. Drilled piers shall be constructed in accordance with the specifications of the engineer.

2. All drilling shall be performed by a registered drilling contractor licensed in the state of Texas.

3. The engineering specification shall be constructed in accordance with ASTM Standards.

G. Geotechnical Report

1. The geotechnical report shall be prepared by a registered professional engineer.

2. The geotechnical report shall be submitted to the engineer and architect for review.

3. The geotechnical report shall be revised as necessary to meet the specifications of the engineer.

H. Drilled Piers Construction

1. Drilled piers shall be located on at least 8' centers.

2. Drilled piers shall be 36" in diameter or 24", whichever is greater.

I. Drilled Piers Construction Notes

1. Drilled piers shall be located on at least 8' centers.

2. Drilled piers shall be 36" in diameter or 24", whichever is greater.

J. Drilled Piers Construction Details

1. Drilled piers shall be constructed in accordance with the specifications of the engineer.

2. All drilling shall be performed by a registered drilling contractor licensed in the state of Texas.

3. The engineering specification shall be constructed in accordance with ASTM Standards.

4. The geotechnical report shall be prepared by a registered professional engineer.

5. The geotechnical report shall be submitted to the engineer and architect for review.

6. The geotechnical report shall be revised as necessary to meet the specifications of the engineer.

II. CAST IN PLACE CONCRETE

A. Concrete Not Exposed to Weather or Later to Be Plastered or Rubbed

1. Concrete not exposed to weather or later to be plastered or rubbed shall be free of surface imperfections, dust, and grease.

2. Concrete shall be placed with the proper proportion of water to properly harden the concrete.

3. Concrete shall be placed with the proper proportion of water to properly harden the concrete.

B. Hot Weather Placing: Comply with ACI 305

1. Cold Weather Placing: Comply with ACI 306

2. Batching, Mixing & Delivery: Comply with ACI C94

C. Concrete Mix Proportions

1. Concrete shall be placed with the proper proportion of water to properly harden the concrete.

2. Concrete shall be placed with the proper proportion of water to properly harden the concrete.

D. Concrete Placement

1. Concrete shall be placed with the proper proportion of water to properly harden the concrete.

2. Concrete shall be placed with the proper proportion of water to properly harden the concrete.

E. Concrete Curing

1. Concrete shall be cured with the proper proportion of water to properly harden the concrete.

2. Concrete shall be cured with the proper proportion of water to properly harden the concrete.

F. Concrete Anchorage

1. Concrete shall be anchored with the proper proportion of water to properly harden the concrete.

2. Concrete shall be anchored with the proper proportion of water to properly harden the concrete.

G. Concrete Post-Tensioning

1. Concrete shall be post-tensioned with the proper proportion of water to properly harden the concrete.

2. Concrete shall be post-tensioned with the proper proportion of water to properly harden the concrete.

H. Concrete Shrinkage

1. Concrete shall be allowed to shrink with the proper proportion of water to properly harden the concrete.

2. Concrete shall be allowed to shrink with the proper proportion of water to properly harden the concrete.

I. Concrete Expansion

1. Concrete shall be expanded with the proper proportion of water to properly harden the concrete.

2. Concrete shall be expanded with the proper proportion of water to properly harden the concrete.

J. Concrete Testing

1. Concrete shall be tested with the proper proportion of water to properly harden the concrete.

2. Concrete shall be tested with the proper proportion of water to properly harden the concrete.

K. Concrete Finishing

1. Concrete shall be finished with the proper proportion of water to properly harden the concrete.

2. Concrete shall be finished with the proper proportion of water to properly harden the concrete.

L. Concrete Placement

1. Concrete shall be placed with the proper proportion of water to properly harden the concrete.

2. Concrete shall be placed with the proper proportion of water to properly harden the concrete.

M. Concrete Curing

1. Concrete shall be cured with the proper proportion of water to properly harden the concrete.

2. Concrete shall be cured with the proper proportion of water to properly harden the concrete.

N. Concrete Anchorage

1. Concrete shall be anchored with the proper proportion of water to properly harden the concrete.

2. Concrete shall be anchored with the proper proportion of water to properly harden the concrete.

O. Concrete Post-Tensioning

1. Concrete shall be post-tensioned with the proper proportion of water to properly harden the concrete.

2. Concrete shall be post-tensioned with the proper proportion of water to properly harden the concrete.

P. Concrete Shrinkage

1. Concrete shall be allowed to shrink with the proper proportion of water to properly harden the concrete.

2. Concrete shall be allowed to shrink with the proper proportion of water to properly harden the concrete.

Q. Concrete Expansion

1. Concrete shall be expanded with the proper proportion of water to properly harden the concrete.

2. Concrete shall be expanded with the proper proportion of water to properly harden the concrete.

R. Concrete Testing

1. Concrete shall be tested with the proper proportion of water to properly harden the concrete.

2. Concrete shall be tested with the proper proportion of water to properly harden the concrete.

S. Concrete Finishing

1. Concrete shall be finished with the proper proportion of water to properly harden the concrete.

2. Concrete shall be finished with the proper proportion of water to properly harden the concrete.

T. Concrete Placement

1. Concrete shall be placed with the proper proportion of water to properly harden the concrete.

2. Concrete shall be placed with the proper proportion of water to properly harden the concrete.

U. Concrete Curing

1. Concrete shall be cured with the proper proportion of water to properly harden the concrete.

2. Concrete shall be cured with the proper proportion of water to properly harden the concrete.

V. Concrete Anchorage

1. Concrete shall be anchored with the proper proportion of water to properly harden the concrete.

2. Concrete shall be anchored with the proper proportion of water to properly harden the concrete.

W. Concrete Post-Tensioning

1. Concrete shall be post-tensioned with the proper proportion of water to properly harden the concrete.

2. Concrete shall be post-tensioned with the proper proportion of water to properly harden the concrete.

X. Concrete Shrinkage

1. Concrete shall be allowed to shrink with the proper proportion of water to properly harden the concrete.

2. Concrete shall be allowed to shrink with the proper proportion of water to properly harden the concrete.

Y. Concrete Expansion

1. Concrete shall be expanded with the proper proportion of water to properly harden the concrete.

2. Concrete shall be expanded with the proper proportion of water to properly harden the concrete.

Z. Concrete Testing

1. Concrete shall be tested with the proper proportion of water to properly harden the concrete.

2. Concrete shall be tested with the proper proportion of water to properly harden the concrete.

AA. Concrete Finishing

1. Concrete shall be finished with the proper proportion of water to properly harden the concrete.

2. Concrete shall be finished with the proper proportion of water to properly harden the concrete.
## SCHEDULE OF SPECIAL INSPECTION SERVICES

<table>
<thead>
<tr>
<th>Inspections and Services</th>
<th>Code Reference</th>
<th>Required/Not Required</th>
<th>N or Y</th>
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<tr>
<td>Concrete Special Inspection</td>
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<td>Steel Special Inspection</td>
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<tr>
<td>Cast-in-Place Deep Foundations</td>
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<td>Wood Construction Special Inspection</td>
<td>ICC Commercial Building Inspector or AISC 360 Section N</td>
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<td>Special Inspection of Welding</td>
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<td>Special Inspection of Bolting</td>
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<tr>
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<tr>
<td>Special Inspection of Structural Stability</td>
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<td>ICC Structural and Bolting SI</td>
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</tbody>
</table>

### MINIMUM QUALIFICATIONS FOR STRUCTURAL INSPECTORS AND TESTING TECHNICIANS

1. **Educational Requirements**
   - 
   - Bachelor of Science (BS) in Civil Engineering
   - A degree in Architectural, Structural, or Mechanical Engineering
   - A degree in an engineering-related field with a minimum of 15 years of experience in the field

2. **Professional Experience**
   - Minimum of 5 years of experience in the field
   - Experience in the design and construction of structural systems

3. **Professional Registration**
   - Possession of a Professional Engineer (PE) license in the state where the work is being performed

4. **Other Requirements**
   - Completion of CEU courses and training programs
   - Participation in continuing education programs

5. **Certification**
   - Certification as a Structural Engineer or Structural Specialist

### Additional Requirements

- **Field Experience**
  - Minimum of 2 years of field experience in the design and construction of structural systems

- **Education and Experience**
  - A combination of education and experience is acceptable if the total number of years of experience meets the minimum requirement

- **Certifications**
  - Certification by a recognized professional organization in the field

- **Training and Education**
  - Completion of specific training programs in the design and construction of structural systems

- **Other Requirements**
  - Experience in the design and construction of special structural systems

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*Note: All special inspections are conducted in accordance with the Texas Engineering Practice Act.*

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**Ammonia Gas Inspections for Structural Inspectors and Testing Technicians**

- **Educational Requirements**
  - Bachelor of Science (BS) in Civil Engineering
  - A degree in Architectural, Structural, or Mechanical Engineering
  - A degree in an engineering-related field with a minimum of 15 years of experience in the field

- **Professional Experience**
  - Minimum of 5 years of experience in the field
  - Experience in the design and construction of structural systems

- **Professional Registration**
  - Possession of a Professional Engineer (PE) license in the state where the work is being performed

- **Other Requirements**
  - Completion of CEU courses and training programs
  - Participation in continuing education programs

- **Certification**
  - Certification as a Structural Engineer or Structural Specialist

---

**NOTES:**

- All special inspection services are conducted in accordance with the Texas Engineering Practice Act.

---

**REVISED:**

- [Date]

---

**REVIEWED BY:**

- [Name]
1. Refer to Civil Plans/Geotechnical Report for Slope and Grading of Backfill.

2. RADIUS DIMENSION

3. NOTE:

4. CENTERLINE

5. CENTERLINE

6. NEW SOIL RETAINER (PRECAST) ADJACENT TO BLDG. S-04 RETAINING WALL

7. COMFORT STATION 9'-6"

8. EXISTING VISITOR'S CENTER BUILDING

9. FOOTING 18.00°

10. TYPICAL FOOTING 4'-3" @ SIM, Footing Heel is longer than Toe.

11. MIN. 3" CLR.

12. MIN. 3/16" @ 12" O.C.

13. TRUE PLAN NORTH

14. TRUE PLAN NORTH

15. MIN. 1" DIA. WEEP HOLES @ 12" O.C.

16. DRAIN AWAY FROM WALL

17. TRUE PLAN NORTH

18. TRUE PLAN NORTH

19. MIN. 6" MIN.

20. #4 BEND DOWEL x 12" O.C.

21. #4 @ 12" O.C.

22. COMPACTED BACKFILL

23. #4 @ 12" O.C.

24. #4 @ 12" O.C.

25. #4 @ 12" O.C.

26. FABRIC FILTER 1" DIA. WEEP HOLES @ 12" O.C.

27. HORIZONTAL

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GENERAL NOTES - MECHANICAL:

1. THE MECHANICAL CONTRACTOR IS FULLY RESPONSIBLE FOR PERFORMING THE WORK IN FULL
   ACCORDANCE WITH THE CONTRACT DOCUMENTS.

2. CONTRACTOR SHALL HANG AND INSTALL ALL DUCTWORK FLUSH WITH THE BUILDING STRUCTURE.
   MAXIMUM ALLOWABLE VARIANCE IS 1/4 INCH.

3. CONTRACTOR SHALL INFORM THE ENGINEER IF REINFORCING IS CUT OR DAMAGED WHILE MAKING
   OPENINGS. CONTRACTOR SHALL REINFORCE... FRAMING OR ESCUTCHEONS) AROUND OPENINGS IN FINISHED
   AREAS.

4. CONTRACTOR SHALL PATCH AND REPAIR ALL DEMOLITION WORK. PATCHING
   AND REPAIRS SHALL BE COMPLETED ACCORDING TO ARCHITECTURAL SPECIFICATIONS. ALL REFINISHING
   SHALL BE APPROVED BY THE ARCHITECT.

5. CONTRACTOR SHALL COMPLETE THE INSTALLATION OF THE AIR DISTRIBUTION
   SYSTEM SHOWN. DUCTWORK, DUCT ACCESSORIES AND CONTROLS SHOWN AND REQUIRED SHALL BE
   SUPPLIED AND INSTALLED. ALL INSTALLATION... AND VENTILATING SYSTEMS (NFPA 90B: STANDARD FOR
   THE INSTALLATION OF WARM AIR HEATING AND AIR-CONDITIONING SYSTEMS).

6. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING THE INSTALLATION OF THE
   AIR DISTRIBUTION SYSTEM SHOWN. DUCTWORK, DUCT ACCESSORIES AND CONTROLS SHOWN AND
   REQUIRED SHALL BE SUPPLIED AND INSTALLED. ALL INSTALLATION... AND VENTILATING SYSTEMS
   (NFPA 90B: STANDARD FOR THE INSTALLATION OF WARM AIR HEATING AND
   AIR-CONDITIONING SYSTEMS).

7. CONTRACTOR SHALL COMPLETE THE INSTALLATION OF THE AIR DISTRIBUTION
   SYSTEM SHOWN. DUCTWORK, DUCT ACCESSORIES AND CONTROLS SHOWN AND REQUIRED SHALL BE
   SUPPLIED AND INSTALLED. ALL INSTALLATION... AND VENTILATING SYSTEMS
   (NFPA 90B: STANDARD FOR THE INSTALLATION OF WARM AIR HEATING AND
   AIR-CONDITIONING SYSTEMS).

8. PROVIDE SEVEN DAY PROGRAMMABLE THERMOSTAT, 24 HOUR SINGLE/MULTI STAGE COMMERCIAL
   THERMOSTATS. THERMOSTATS SHOWN
   SHALL BE IN CONTROL OF THE ZONE SYSTEM WHICH IS SUPPLYING AIR TO THE AREA WHERE THE THERMOSTAT
   IS LOCATED.

9. CONTRACTOR SHALL INSTALL NEW REFRIGERANT PIPING FLUSH WITH THE BUILDING STRUCTURE AND
   Sheet Metal and Air Conditioning

10. CONTRACTOR SHALL COMPLETE THE INSTALLATION OF THE AIR DISTRIBUTION
   SYSTEM SHOWN. DUCTWORK, DUCT ACCESSORIES AND CONTROLS SHOWN AND REQUIRED SHALL BE
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   Sheet Metal and Air Conditioning

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   SYSTEM SHOWN. DUCTWORK, DUCT ACCESSORIES AND CONTROLS SHOWN AND REQUIRED SHALL BE
   SUPPLIED AND INSTALLED. ALL INSTALLATION... AND VENTILATING SYSTEMS
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25. CONTRACTOR SHALL INSTALL NEW REFRIGERANT PIPING FLUSH WITH THE BUILDING STRUCTURE AND
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   SHALL BE IN CONTROL OF THE ZONE SYSTEM WHICH IS SUPPLYING AIR TO THE AREA WHERE THE THERMOSTAT
   IS LOCATED.
MECHANICAL VISTORS CENTER WEST DEMO FLOOR

1. EXISTING AHU/ CU TO BE RETURNED TO OWNER. CLEAN EXISTING REFRIGERANT LINES FOR RE-USE. REFER TO REMODEL. DIRECT CONTRACTOR TO STORE AND MAINTAIN IN SECURED AREA AS REQUIRED UNTIL REINSTALLED OR RETURNED TO OWNER.

2. EXISTING AHU/ CU TO BE RELOCATED FOR RE-USE IN EXHIBIT AREA. REFER TO REMODEL. DIRECT CONTRACTOR TO STORE AND MAINTAIN IN SECURED AREA AS REQUIRED UNTIL REINSTALLED OR RETURNED TO OWNER.

3. EXISTING EXHAUST FAN TO BE DEMOLISHED. EXISTING CURB/ HOOD TO REMAIN. REFER TO REMODEL.

4. DEMOLISH AND DISPOSE OF ALL EXISTING SUPPLY AIR/ RETURN AIR/ EXHAUST AIR DUCTWORK, GRILLES, ETC. REFER TO REMODEL.

5. EXISTING AHU/ CU TO REMAIN, CLEAN/ SERVICE. EXISTING DUCTS AND GRILLES TO REMAIN.

6. EXISTING REFRIGERANT LINE RACEWAYS. RELOCATE EXISTING REFRIGERANT LINES TO BE CONCEALED ABOVE NEW DUCTWORK. PROVIDE WITH ALUMINUM JACKETING ON ALL INTERIOR NEW AND EXISTING LINES. COORDINATE WITH ARCH FOR PAINT COLOR ON ALUMINUM JACKET.

MECHANICAL FLOOR PLAN - DEMO CONDENSERS

SCALE: REF: 1/4" = 1'-0" M-02 M-03

MECHANICAL COMFORT STATION DEMO FLOOR PLAN

SCALE: REF: 1/4" = 1'-0" M-02 M-03

A/C UNITS (X3)
1 PROVIDE WITH FLAT OVAL DUCT EQUIVALENT TO MCGILL AIRFLOW SUPERIOR GRADE EXPOSED THERMAL INSULATION AND A PERFORATED INNER LINER. DUCT LENGTHS SHALL BE FABRICATED ANY DAMAGE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

2 EXISTING REFRIGERANT LINE RACEWAYS. RELOCATE EXISTING REFRIGERANT LINES TO BE CONCEALED ABOVE NEW DUCTWORK. PROVIDE WITH ALUMINUM JACKETING ON ALL INTERIOR NEW AND EXISTING LINES. COORDINATE WITH ARCH FOR PAINT COLOR ON ALUMINUM JACKET.

3 MOUNT RETURN AIR DEVICE 3'-5" FROM A.F.F. TO BOTTOM OF GRILLE.

6 MOUNT OUTSIDE AIR LOUVERS OVER DOORWAY WITHIN ROOFING CHANNELS. USE PRECONSTRUCTED DUCTWORK EQUAL TO PAL-DUCT.

10 NEW CONDENSER, REFER TO SCHEDULES.

11 NEW DUCTS INTERNALLY LINED WITH 2" ACOUSTIC EQUAL TO "KNAUFF INSULATION" 'SONIC XP DUCT LINER' OR EQUAL.

12 RELOCATED 5-TON, TIE INTO FURNACE FLUE, GAS, & CONDENSATE AND EXISTING REFRIGERANT LINES. PROVIDE WITH RETURN AIR DEVICE ON BOTTOM OF ROOF. INTERNALLY LINE DUCTWORK WITH MECHANICAL KEYED NOTES.

13 PROVIDE W/ ADDITIONAL MANUAL BALANCING DAMPER TO ELECTRICAL HARDWARE TO POWER DAMPER.

14 EXISTING SUPPLY AIR DUCT TO BE RE-USED.

18 PROVIDE WITH MANUAL BALANCING DAMPER.

20 CENTER OF DUCT TO BE 8'-2".

21 PROVIDE WITH RETURN AIR 16"X8" TRANSFER DUCT 4" BELOW BOTTOM OF STRUCTURE. PROVIDE WITH 16"X8" OPENING ON TOP OF DUCT. INTERNALLY LINE DUCT WITH 1/2" OF ACOUSTIC INSULATION EQUAL TO "KNAUFF INSULATION" 'SONIC XP DUCT LINER' OR EQUAL.

22 SMOKE DETECTOR BY OTHERS.

25 BOTTOM SURFACE OF DUCT TO BE FLUSH WITH BOTTOM OF EXISTING CONCRETE BEAM.

26 DROP SUPPLY AIR DUCTWORK DOWN TO CROSS UNDER EXISTING CONCRETE BEAM AND RISE BACK UP TO PREVIOUS HEIGHT. DUCT TO BE TIGHT TO BOTTOM OF EXISTING BEAM WHILE CROSSING UNDER IT.

28 CONTRACTOR TO SEAL THE MECHANICAL CLOSET RETURN AIR PLENUM AIR TIGHT.

30 REMOTE TEMPERATURE SENSOR @48" A.F.F.
## AIR HANDLING UNIT SCHEDULE

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<th>AHU</th>
<th>Supply</th>
<th>Return</th>
<th>Make-up</th>
<th>Fresh Air</th>
<th>Cooling</th>
<th>Heating</th>
<th>Electric Power</th>
<th>Max Weight</th>
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<td>Yes</td>
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<td>Yes</td>
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## FAN SCHEDULE

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<th>Make-up</th>
<th>Fresh Air</th>
<th>Cooling</th>
<th>Heating</th>
<th>Electric Power</th>
<th>Max Weight</th>
<th>Notes</th>
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## AIR DEVICE SCHEDULE

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## LOUVER SCHEDULE

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## CONDENSING UNIT SCHEDULE

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## RADIANT HEATER SCHEDULE

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<td>Yes</td>
<td>Yes</td>
<td>107/28</td>
<td>400 lbs</td>
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</table>
EXISTING CONDITIONS. REFER TO REMODEL PLAN.

EXISTING TELEPHONE SERVICE PEDESTAL TO REMAIN. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK.

EXISTING 120/240V, 3-PHASE 200A MAIN SERVICE DISCONNECT "MS" SHALL BE REPLACED WITH NEW. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK.

EXISTING 120/240V, 3-PHASE ELECTRICAL SERVICE METER TO REMAIN. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK.

EXISTING 120/240V, 1-PHASE 200A DISCONNECT SERVING EXISTING PANEL "A" SHALL REMAIN. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK.

EXISTING 120/240V, 3-PHASE 40A DISCONNECT FOR WELL PUMP TO REMAIN.

EXISTING ELECTRICAL SERVICE PEDESTAL TO REMAIN. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK.

EXISTING UNDERGROUND CONDUITS SHALL BE REMOVED. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK.

MECHANICAL EQUIPMENT SHALL REMAIN AND EXTENDED TO NEW LOCATION. ALL RELATED ELECTRICAL EQUIPMENT/CIRCUITS/RACEWAYS TO EXISTING CONDITIONS PRIOR TO ANY WORK.

WHERE DEVICES OR EQUIPMENT ARE INDICATED OR REQUIRED TO BE REMOVED, THE ASSOCIATED BOXES, CONDUIT, AND CONDUCTORS SHALL BE REMOVED BACK TO THEIR SOURCE.

WHERE THE REMOVAL OF DEVICES OR EQUIPMENT RENDERS EQUIPMENT DOWNSTREAM INOPERABLE, SERVICES SHALL BE EXTENDED TO THE DOWNSTREAM DEVICE OR EQUIPMENT SO THAT THE DEVICE OR EQUIPMENT IS LEFT IN OPERATING CONDITION.

EQUIPMENT IS LEFT IN OPERATING CONDITION.

WHERE CONDUITS RUN ABOVE INACCESSIBLE CEILINGS OR IN WALLS WHICH ARE NOT PART OF DEMOLITION, CONDUITS SHALL BE REMOVED AND THE CONDUITS CAPPED AND ARE TO REMAIN UNDISTURBED, CONDUCTORS SHALL BE REMOVED AND THE CONDUITS CAPPED AND WHERE EXISTING EQUIPMENT IS TO BE RELOCATED, EXTREME CARE SHALL BE TAKEN TO PREVENT DAMAGE TO THE EQUIPMENT. WHERE DAMAGE OCCURS, THE EQUIPMENT SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION AND APPROVAL OF THE ARCHITECT AT NO ADDITIONAL COST DURING THE REMOVAL AND REINSTALLATION.

PRODUCTS SHALL BE USED TO EXTEND THE SERVICE TO THE NEW LOCATION. SERVICE SHALL BE EXTENDED TO THE DOWNSTREAM DEVICE OR EQUIPMENT SO THAT THE DEVICE OR EQUIPMENT IS LEFT IN OPERATING CONDITION.

LOCATING, EXTENDING, OR SHORTENING PRODUCTS SHALL BE USED FOR CONSTRUCTION PURPOSES "THESE DRAWINGS ARE INTENDED FOR INTERIM REVIEW PURPOSES ONLY UNDER THE AUTHORITY OF LEONARDO MUNOZ, P.E. NUMBER 97437, ON 10-30-20. IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES."

COORDINATE DEMOLITION OF DIVISION 26 SYSTEMS AS REQUIRED WITH ALL OTHER TRADES. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW THE ARCHITECTURAL DOCUMENTS IN ADDITION TO THE OTHER DIVISIONS AND ELECTRICAL DOCUMENTS TO DETERMINE THE COMPLETE SCOPE OF WORK.

EXISTING DEVICES AND/OR EQUIPMENT TO BE REUSED SHALL BE CLEANED AND REPAIRED AT THE DISCRETION OF THE ARCHITECT WHERE APPLICABLE.

REPLACED OR REPAIRED TO THE SATISFACTION AND APPROVAL OF THE ARCHITECT AT NO ADDITIONAL COST DURING THE REMOVAL AND REINSTALLATION. WHERE DAMAGE OCCURS, THE EQUIPMENT SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION AND APPROVAL OF THE ARCHITECT AT NO ADDITIONAL COST DURING THE REMOVAL AND REINSTALLATION. WHERE EXISTING EQUIPMENT IS TO BE RELOCATED, EXTREME CARE SHALL BE TAKEN TO PREVENT DAMAGE TO THE EQUIPMENT. WHERE DAMAGE OCCURS, THE EQUIPMENT SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION AND APPROVAL OF THE ARCHITECT AT NO ADDITIONAL COST DURING THE REMOVAL AND REINSTALLATION.

EQUIPMENT IS LEFT IN OPERATING CONDITION.

SERVICES SHALL BE EXTENDED TO THE DOWNSTREAM DEVICE OR EQUIPMENT SO THAT THE DEVICE OR EQUIPMENT IS LEFT IN OPERATING CONDITION.

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GENERAL NOTES - ELECTRICAL SITE

A. CONTRACTOR TO VERIFY ALL EXISTING MAIN POWER SERVICES AND COORDINATE WITH POWER COMPANY. CONTRACTOR TO VERIFY ALL EXISTING MAIN POWER SERVICES AND COORDINATE WITH POWER COMPANY FOR ALL NEW REQUIREMENTS AND ALL COST ASSOCIATED. CONTRACTOR SHALL INCLUDE ANY COST FOR THE NEW TRANSFORMER AND OTHER ASSOCIATED FEES IN BID. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL FEES WITH POWER COMPANY AND TO ORDER TRANSFORMER AND THE RELATED COSTS BEFORE THE CONTRACT IS AWARDED.

B. CONTRACTOR IS RESPONSIBLE FOR ALL EXCAVATION, TRENCHING AND BACKFILLING. CONTRACTOR IS RESPONSIBLE FOR ALL EXCAVATION, TRENCHING AND BACKFILLING. CONTRACTOR IS RESPONSIBLE FOR ALL EXCAVATION, TRENCHING AND BACKFILLING. COORDINATE WITH ALL UTILITIES PRIOR TO EXCAVATION. CONDUIT FROM MAIN TELEPHONE RISER SHALL BE FURNISHED AND INSTALLED.

D. ALL ELECTRICAL EQUIPMENT OUTDOORS SHALL BE RATED TYPE NEMA 3R UNLESS OTHERWISE NOTED.

E. CONTRACTOR SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES. ALL WORK SHALL CONFORM TO NATIONAL ELECTRICAL CODES AND ALL OTHER AUTHORITY HAVING JURISDICTION. OBTAIN PERMITS AND PAY ALL FEES. PERFORM MODIFICATIONS TO MEET CODE AND ORDINANCE REQUIREMENTS AT NO ADDITIONAL COST TO OWNER, ARCHITECT OR ENGINEER. VERIFY PRIOR TO BID DATE.

F. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND SMALL SCALE ONLY. THEY CONVEY THE INTENT OF THE WORK BUT DO NOT SHOW DETAIL SUCH AS JUNCTION AND PULL BOXES REQUIRED BY THE SPECIFICATIONS AND THE NATIONAL ELECTRICAL CODE. PROVIDE ALL MATERIALS AND METHODS CALLED FOR IN THE SPECIFICATIONS AND AS REQUIRED IN THE DRAWING.

G. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND EQUIPMENT TO BE REMOVED AND REPLACED BEFORE SUBMITTING HIS BID.

H. ELECTRIC DRAWINGS ARE DIAGRAMMATIC AND SMALL SCALE ONLY. THEY CONVEY THE INTENT OF THE WORK BUT DO NOT SHOW DETAIL SUCH AS JUNCTION AND PULL BOXES REQUIRED BY THE SPECIFICATIONS AND THE NATIONAL ELECTRICAL CODE. PROVIDE ALL MATERIALS AND METHODS CALLED FOR IN THE SPECIFICATIONS AND AS REQUIRED IN THE DRAWING.

I. CONTRACTOR TO VERIFY ALL EXISTING MAIN POWER SERVICES AND COORDINATE WITH POWER COMPANY FOR ALL NEW REQUIREMENTS AND ALL COST ASSOCIATED. CONTRACTOR SHALL INCLUDE ANY COST FOR THE NEW TRANSFORMER AND OTHER ASSOCIATED FEES IN BID. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL FEES WITH POWER COMPANY AND TO ORDER TRANSFORMER AND THE RELATED COSTS BEFORE THE CONTRACT IS AWARDED.
GENERAL ELECTRICAL - DEMOLITION NOTES

A. THE EXTENT OF DEMOLITION NOTES IS INDICATED ON THE ARCHITECTURAL DRAWINGS AND BY THE
REQUIREMENTS OF THIS SECTION. A VISIT TO THE SITE WILL BE REQUIRED TO PROPERLY BID THE
PROJECT.

B. PROVIDE ALL DEMOLITION WORK REQUIRED FOR THE REMOVAL AND/OR R ELOCATION OF ELECTRICAL
EQUIPMENT AND ASSOCIATED CONDUCTORS, CONDUIT, BOXES, ETC. TO PROVIDE A COMPLETE AND
OPERABLE SYSTEM UPON COMPLETION OF THE PROJECT.

C. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW THE ARCHITECTURAL DOCUMENTS IN
ADDITION TO THE OTHER DIVISIONS AND ELECTRICAL DOCUMENTS TO DETERMINE THE COMPLETE SCOPE OF
WORK.

D. WHERE DEVICES OR EQUIPMENT ARE INDICATED OR REQUIRED TO BE REMOVED, THE ASSOCIATED BOXES,
CONDUIT, AND CONDUCTORS SHALL BE REMOVED BACK TO THEIR SOURCE.

E. WHERE DEVICES OR EQUIPMENT ARE INDICATED OR REQUIRED TO BE RELOCATED, THE ASSOCIATED BOXES,
CONDUIT, AND CONDUCTORS SHALL BE REMOVED BACK TO A CONCEALED JUNCTION BOX AND NEW
PRODUCTS SHALL BE USED TO EXTEND THE SERVICE TO THE NEW LOCATION.

F. WHERE CONDUITS RUN ABOVE INACCESSIBLE CEILINGS OR IN WALLS WHICH ARE NOT PART OF DEMOLITION
ARE TO REMAIN UNDISTURBED, CONDUCTORS SHALL BE REMOVED AND THE CONDUITS CAPPED AND
ABANDONED.

G. WHERE THE REMOVAL OF DEVICES OR EQUIPMENT RENDERS EQUIPMENT DOWNSTREAM INOPERABLE,
SERVICE SHALL BE EXTENDED TO THE DOWNSTREAM DEVICE OR EQUIPMENT SO THAT THE DEVICE OR
EQUIPMENT IS LEFT IN OPERATING CONDITION.

H. ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT, AND WIRING REMOVED DURING CONSTRUCTION NO
LONGER REQUIRED AS PART OF AN ACTIVE SYSTEM AND NOT TO BE REUSED SHALL BE REMOVED FROM THE
JOB SITE AND PROPERLY RETURNED TO THE OWNER, IF DESIRED BY OWNER.

I. WHERE EXISTING EQUIPMENT IS TO BE RELOCATED, EXTREME CARE SHALL BE TAKEN TO PREVENT DAMAGE
DURING THE REMOVAL AND REINSTALLATION. WHERE DAMAGE OCCURS, THE EQUIPMENT SHALL BE
REPLACED OR REPAIRED TO THE SATISFACTION AND APPROVAL OF THE ARCHITECT AT NO ADDITIONAL COST
TO THE OWNER.

J. EXISTING DEVICES AND/OR EQUIPMENT TO BE REUSED SHALL BE CLEANED AND REPAIRED AT THE
DISCRETION OF THE ARCHITECT WHERE APPLICABLE.

K. ALL DEVICES WITH AN "EX" SYMBOL ARE EXISTING TO REMAIN.

L. ALL DEVICES ATTACHED TO WALLS OR CEILINGS SHALL BE REMOVED PER DEMOLITION NOTE A - L WHETHER
SHOWN ON DRAWINGS OR NOT.

ELECTRICAL KEYNOTES

LEGEND - DEMOLITION

- EXISTING WIRING DEVICES TO REMAIN.
- EXISTING WIRING DEVICES TO BE REMOVED. FIELD VERIFY EXISTING CONDITIONS
- EXISTING DATA OUTLET TO BE REMOVED.
- EXISTING DATA OUTLET TO BE REMOVED. FIELD VERIFY EXISTING CONDITIONS.
GENERAL NOTES - LIGHTING

A. All exit fixtures type "X1 & X2", emergency light fixture type "E" and all emergency ballast within visitor center/offices shall be routed to a new 1-20 amp, 120V, 1-pole breaker at existing panel "A". Wire shall be 2#12, #12G, 1/2"C. All exit fixtures type "X1 & X2", emergency light fixture type "E" and all emergency ballast within comfort station shall be on circuit "B-4". Refer to light fixture schedule.

B. Switch legs are not shown in areas where switching means/methods are apparent within the design.

C. Conduit shall be run within channels as shown, and shall not cross into other areas. Conduits shall be run within channels as shown, and shall not cross into other areas.

D. 120V photoelectric, locate as directed by manufacturer.

E. Under cabinet lighting, refer to architectural documents.

F. Refer to detail #1 on this sheet for continuation.

G. Refer to detail #2 on this sheet for continuation.

H. Route to existing panel "A". Provide 1-20 amp, 120V, 1-pole breaker. Wire shall be 2#12, #12G, 1/2"C. Field verify existing conditions prior to commencing any work.

I. ALL EXIT FIXTURES TYPE "X1 & X2", EMERGENCY LIGHT FIXTURE TYPE "E" AND ALL EMERGENCY BALLAST WITHIN VISITOR CENTER/OFFICES SHALL BE ROUTED TO A NEW 1-20 AMP, 120V, 1-POLE BREAKER AT EXISTING PANEL "A". WIRE SHALL BE 2#12, #12G, 1/2"C. ALL EXIT FIXTURES TYPE "X1 & X2", EMERGENCY LIGHT FIXTURE TYPE "E" AND ALL EMERGENCY BALLAST WITHIN COMFORT STATION SHALL BE ON CIRCUIT "B-4". REFER TO LIGHT FIXTURE SCHEDULE.
A. Coordinate exact location and mounting height of all power source

B. Coordinate location and spacing of power source and junction boxes

C. Coordinate location of all mechanical equipment & accessories

D. Coordinate location of all electrical equipment & accessories

E. Electrical contractor shall provide starters, relays, contactors, and all required electrical accessories for the mechanical system as required.

F. Coordinate exact location of isolated outlets for computers with rooms lights. Wiring shall be 2#12, 1#12G, 1/2"C.

G. Coordinate exact location with plumber to conceal cord with mechanical drawings to meet electrical and mechanical requirements.

H. Provide 1-run of 3#3, 1#8G, 1.5"C and route to existing panel "A".

I. J-box for fire alarm circuit to FACP. Provide 1-20 amp, 120V, 1-pole breaker. Wire shall be 2#10, #10G, 3/4"C. Field verify existing conditions prior to commencing any work.

J. Conduit runs with within channels as shown, and shall not cross into other areas.

K. Conduit shall be run within channels as shown, and shall not cross into other areas.

L. Conduit shall be routed above HVAC duct into electrical room. Switchlegs and all power supply conduit must be run in walls or along channels except where crossing at this location.

M. Conduit runs within channels as shown, and shall not cross into other areas.

N. Conduit runs within channels as shown, and shall not cross into other areas.

O. Conduit runs within channels as shown, and shall not cross into other areas.

P. Conduit runs within channels as shown, and shall not cross into other areas.

Q. Conduit runs within channels as shown, and shall not cross into other areas.

R. Conduit runs within channels as shown, and shall not cross into other areas.

S. Conduit runs within channels as shown, and shall not cross into other areas.

T. Conduit runs within channels as shown, and shall not cross into other areas.

U. Conduit runs within channels as shown, and shall not cross into other areas.

V. Conduit runs within channels as shown, and shall not cross into other areas.

W. Conduit runs within channels as shown, and shall not cross into other areas.

X. Conduit runs within channels as shown, and shall not cross into other areas.

Y. Conduit runs within channels as shown, and shall not cross into other areas.

Z. Conduit runs within channels as shown, and shall not cross into other areas.
GENERAL NOTES - SPECIAL SYSTEMS

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL POWER SOURCE MIRRORS IN ACCORDANCE WITH ARCHITECTURAL MILLWORK.

B. PROVIDE CLEAR VANDAL COVER WITH STOPPER / OPTION FOR ALL FIRE ALARM PULL STATIONS.

C. EQUIPMENT AS FURNISHED OF A SINGLE MANUFACTURER.

D. PROVIDE A FIRE RETARDANT GRADE PLYWOOD (BOTH SIDES) INSULATED BUSHINGS AT BOTH ENDS.

E. PROVIDE 19" PANDUIT IOU WALL MOUNT CABINET. CABINET SHALL BE GROUNDED TO COMMUNICATION GROUND BAR WITH #6.

F. PROVIDE 2" J-HOOKS AT EVERY 36" ON CENTER FOR ALL VOICE/DATA CAT-6 CABLE.

G. FIRE ALARM LICENSE HOLDER SHALL ASSUME ALL RESPONSIBILITY FOR DESIGN AND SUBMIT DRAWINGS TO JURISDICTION HAVING AUTHORITY.

H. STUBBED CONDUITS TO CABLE TRAY.

I. CONDUITS SHALL REAMED AND COMPLETE WITH CONNECTORS AND INSULATED BUSHINGS AT BOTH ENDS.

J. ALL CABLING TO BE CAT6. WIRING CONFIGURATION FROM RJ45 JACKS TO PATCH PANEL SHALL BE TERMINATED IN 568-B AND BOTH ENDS SHALL BE TESTED TO CONTINUITY IS CORRECT.

K. ALL CABLING TO BE RUN WITH J-HOOKS TO IT ROOM LEVEL. IF CABLE TRAY IS PRESENT, STUBBED CONDUITS TO CABLE TRAY.

L. FIRE ALARM POWER SUPPLY LOCATION.

M. ACCORDANCE MECHANICAL DRAWINGS.

N. PROVIDE 2" J-HOOKS AT EVERY 36" ON CENTER FOR ALL VOICE/DATA CAT-6 CABLE.

O. ALL CONDUIT NOT IN WALL SHALL BE RAN ABOVE CONCRETE ROOF/CEILING. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING ANY WORK.

P. ALL CABLING TO BE CAT6. WIRING CONFIGURATION FROM RJ45 JACKS TO PATCH PANEL SHALL BE TERMINATED IN 568-B AND BOTH ENDS SHALL BE TESTED TO CONTINUITY IS CORRECT.

Q. PROVIDE 2" J-HOOKS AT EVERY 36" ON CENTER FOR ALL VOICE/DATA CAT-6 CABLE.

R. PROVIDE CLEAR VANDAL COVER WITH STOPPER / OPTION FOR ALL FIRE ALARM PULL STATIONS.

S. PROVIDE GROUND BAR 24" AFF, REFER TO DETAIL.

T. PROVIDE 19" PANDUIT IOU WALL MOUNT CABINET. CABINET SHALL BE GROUNDED TO COMMUNICATION GROUND BAR WITH #6.

U. PROVIDE 2" J-HOOKS AT EVERY 36" ON CENTER FOR ALL VOICE/DATA CAT-6 CABLE.

V. PROVIDE CLEAR VANDAL COVER WITH STOPPER / OPTION FOR ALL FIRE ALARM PULL STATIONS.

W. PROVIDE GROUND BAR 24" AFF, REFER TO DETAIL.

X. PROVIDE 19" PANDUIT IOU WALL MOUNT CABINET. CABINET SHALL BE GROUNDED TO COMMUNICATION GROUND BAR WITH #6.

Y. PROVIDE 2" J-HOOKS AT EVERY 36" ON CENTER FOR ALL VOICE/DATA CAT-6 CABLE.

Z. PROVIDE CLEAR VANDAL COVER WITH STOPPER / OPTION FOR ALL FIRE ALARM PULL STATIONS.

AA. PROVIDE GROUND BAR 24" AFF, REFER TO DETAIL.

BB. PROVIDE 19" PANDUIT IOU WALL MOUNT CABINET. CABINET SHALL BE GROUNDED TO COMMUNICATION GROUND BAR WITH #6.

CC. PROVIDE 2" J-HOOKS AT EVERY 36" ON CENTER FOR ALL VOICE/DATA CAT-6 CABLE.
SENSING AND CHARGING CONNECTION

(2) CAT6 SWITCH

KEY NOTES:

- PROVIDE A BLANK COVER PLATE ON ALL UNUSED COMMUNICATIONS OUTLET TRAY AND/OR POINT OF FIXTURES SHALL BE ON THE NON-SWITCHED LEG. REFER TO LIGHT CABLE EXIT.

NOTE:

- 4. PROGRAMMING IS NECESSARY IF ROOMS ARE BROKEN
- 10" ABOVE THE FINISH CEILING FIXTURE TYPE AND PLANS.
- 3. DIVISION-15 FOR FIELD VERIFY CEILING CONDITIONS OR OTHER FACTORY-INSTALLED LIGHT DEVICE.
- 4. NPP (NON-EMERGENCY) DEVICES PROVIDE UP TO 40mA CURRENT PROTECTION.

CONDUCTOR TERMINATIONS ARE DONE PROPERLY PER MFR.

GROUNDING DEVICES ARE DISABLED UNTIL NORMAL POWER IS RESTORED. SEE SPECIFICATIONS FOR POWER REQUIREMENTS.

WALL PLATE SHALL BE:

- 1) PROVIDE STAINLESS STEEL
- 2) PROVIDE A MINIMUM OF 6 INCHES OF FIRM, STABLE AND UNYIELDING MATERIAL IS ENCOUNTERED, A MINIMUM OF 8 INCHES OF SAND BEDDING SHALL BE USED. BLOCKING SHOULD BE CENTERED WHERE APPROPRIATE AND SPACE FOR BACKFILLING AND EQUIPMENT USED TO COMPACT THE BACKFILL.

NOTE:

- 3. THE PIPE SHOULD BE SURROUNDED WITH AN AGGREGATE MATERIAL WHICH CAN BE EASILY WORKED AROUND THE SIDES OF THE PIPE. BACKFILLING SHOULD BE PERFORMED IN LAYERS OF 6 INCHES WITH EACH LAYER BEING SUFFICIENTLY COMPACTED TO 85% TO 95% COMPACTION.
- 5. THE TRENCH SHOULD BE COMPLETELY FILLED. THE BACKFILL RACEWAY SHOULD ALWAYS BE BURIED IN STRICT ACCORDANCE WITH THE ASTM STANDARD OF CONSTRUCTION EQUIPMENT TO TRAVERSE THE PIPE TRENCH.

RECOMMENDATIONS FOR UNDERGROUND INSTALLATION DETAIL OF RACEWAY SYSTEMS

1. THE EXTERIOR OR INSIDE OF THE TRENCH SHOULD BE THE PREFERRED INSTALLATION LOCATION OF ALL ELECTRICAL INSTALLATION CONDUIT AND ELECTRICAL WIRE IN THE TRENCH SHALL NOT BE BURIED IN THE GROUND OR COVERED WITH SAND. THE TRENCH SHALL BE BURIED WITH A MINIMUM OF 6 INCHES OF RACEWAY OR CONDUIT AND A MAXIMUM OF 9 INCHES OF RACEWAY OR CONDUIT.

2. THE TRENCH SHALL BE BURIED IN A MENSAH SANDDOC WITH A MAXIMUM OF 9 INCHES OF RACEWAY OR CONDUIT AND A MAXIMUM OF 9 INCHES OF RACEWAY OR CONDUIT.

3. THE TRENCH SHALL BE BURIED IN A MENSAH SANDDOC WITH A MAXIMUM OF 9 INCHES OF RACEWAY OR CONDUIT AND A MAXIMUM OF 9 INCHES OF RACEWAY OR CONDUIT.

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10. THE TRENCH SHALL BE BURIED IN A MENSAH SANDDOC WITH A MAXIMUM OF 9 INCHES OF RACEWAY OR CONDUIT AND A MAXIMUM OF 9 INCHES OF RACEWAY OR CONDUIT.

UNDERGROUND INSTALLATION DETAIL OF RACEWAY SYSTEMS:

- NOTE: REFER TO ARCHITECTURAL DOCUMENTATION FOR THE FINAL PLOT PLAN.

- 1. THE EXTERIOR OR INSIDE OF THE TRENCH SHOULD BE THE PREFERRED INSTALLATION LOCATION OF ALL ELECTRICAL INSTALLATION CONDUIT AND ELECTRICAL WIRE IN THE TRENCH SHALL NOT BE BURIED IN THE GROUND OR COVERED WITH SAND. THE TRENCH SHALL BE BURIED WITH A MINIMUM OF 6 INCHES OF RACEWAY OR CONDUIT AND A MAXIMUM OF 9 INCHES OF RACEWAY OR CONDUIT.

- 2. THE TRENCH SHALL BE BURIED IN A MENSAH SANDDOC WITH A MAXIMUM OF 9 INCHES OF RACEWAY OR CONDUIT AND A MAXIMUM OF 9 INCHES OF RACEWAY OR CONDUIT.

- 3. THE TRENCH SHALL BE BURIED IN A MENSAH SANDDOC WITH A MAXIMUM OF 9 INCHES OF RACEWAY OR CONDUIT AND A MAXIMUM OF 9 INCHES OF RACEWAY OR CONDUIT.

- 4. THE TRENCH SHALL BE BURIED IN A MENSAH SANDDOC WITH A MAXIMUM OF 9 INCHES OF RACEWAY OR CONDUIT AND A MAXIMUM OF 9 INCHES OF RACEWAY OR CONDUIT.

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- 10. THE TRENCH SHALL BE BURIED IN A MENSAH SANDDOC WITH A MAXIMUM OF 9 INCHES OF RACEWAY OR CONDUIT AND A MAXIMUM OF 9 INCHES OF RACEWAY OR CONDUIT.
GENERAL NOTES - PLUMBING DEMOLITION

A. THE CONTRACTOR IS FULLY RESPONSIBLE FOR PERFORMING THE DEMOLITION WORK UNDER THIS PROJECT. THE WORKer SHALL BE A LICENSED PLUMBER AND SHALL BE FAMILIAR WITH ALL APPLICABLE CODES AND REGULATIONS. THE CONTRACTOR SHALL NOT BE PERMITTED TO WORK UNLESS THEY HAVE THE CORRECT INSURANCE AND LIABILITY COVERAGE.

B. THE CONTRACTOR SHALL VERIFY AND VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES BEFORE STARTING ANY DEMOLITION WORK. CONTRACTOR SHALL NOT BE PERMITTED TO WORK UNLESS THEY HAVE THE CORRECT INSURANCE AND LIABILITY COVERAGE.

C. PROVIDE ALL DEMOLITION WORK REQUIRED FOR THE INSTALLATION OF THE NEW PLUMBING FITTINGS AND FIXTURES.

D. ALL EXISTING PLUMBING FIXTURES AND EQUIPMENT REMOVED DURING CONSTRUCTION THAT ARE NOT TO BE REUSED SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY RETURNED TO THE OWNER, IF DESIRED BY THE OWNER.

E. WHERE EXISTING FIXTURE OR EQUIPMENT IS TO BE REPLACED, BE CAUTIOUS TO PREVENT DAMAGE TO THE FIXTURES OR EQUIPMENT. DURING REPLACEMENT, THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO THE FIXTURES OR EQUIPMENT.

F. MACHINERIES AND MACHINES SHALL BE DISASSEMBLED AND DELIVERED TO THE CONTRACTOR. CONTRACTOR SHALL NOT BE PERMITTED TO WORK UNLESS THEY HAVE THE CORRECT INSURANCE AND LIABILITY COVERAGE.

G. ALL UNDERGROUND UTILITIES SHALL BE CAPED AT A CONCEALED LOCATION AND ABANDONED.

H. WHERE FIXTURES OR EQUIPMENT ARE INDICATED OR REQUIRED TO BE REMOVED, THE ASSOCIATED SERVICES SHALL BE CAPPED AT A CONCEALED LOCATION. WHERE FIXTURES OR EQUIPMENT ARE NOT INDICATED OR REQUIRED TO BE REMOVED, THE ASSOCIATED SERVICES SHALL BE CAPED AT A CONCEALED LOCATION AND ABANDONED.

I. THE CONTRACTOR IS FULLY RESPONSIBLE FOR PERFORMING THE DEMOLITION WORK UNDER THIS PROJECT. THE WORKer SHALL BE A LICENSED PLUMBER AND SHALL BE FAMILIAR WITH ALL APPLICABLE CODES AND REGULATIONS. THE CONTRACTOR SHALL NOT BE PERMITTED TO WORK UNLESS THEY HAVE THE CORRECT INSURANCE AND LIABILITY COVERAGE.
PLUMBING NOTES:

A. DRAWING IS SCHEMATIC IN NATURE AND SHOWS THE GENERAL LAYOUT OF THE FOLLOWING SYSTEM. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF PIPING, DEVICES AND EQUIPMENT WITH THE BUILDING ELEMENTS AND THE WORK WITH THE OTHER TRADES.

B. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS TO PLUMBING FIXTURES AND EQUIPMENT.

C. EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS.

D. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

E. EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWING AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO AQUAINT THEMSELVES WITH THIS KNOWLEDGE MAY RESULT IN ADDITIONAL WORK AND REDUCES THE FEE. DRAWING IS SCHEMATIC IN NATURE AND SHOW THE GENERAL LAYOUT OF THE FOLLOWING SYSTEM.

F. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF PIPING, DEVICES AND EQUIPMENT WITH THE BUILDING ELEMENTS AND THE WORK WITH THE OTHER TRADES. THIS INCLUDES BUT IS NOT LIMITED TO FURNISHING AND INSTALL ALL TRAPS, DRAINS AND SUPPLIES WITH STOPS.
A. **DRAWING IS SCHEMATIC IN NATURE AND SHOW THE GENERAL**

1. **PLUMBING NOTES:**

   - **EXISTING CONDITIONS:**
     - EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS - PROVISIONAL CONDITIONS MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS.
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PLUMBING NOTES:

A. DRAWING IS SCHEMATIC IN NATURE AND SHOWS THE GENERAL LAYOUT OF THE FOLLOWING SYSTEM. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF PIPING, DEVICES AND EQUIPMENT WITH THE BUILDING ELEMENTS AND THE WORK WITH THE OTHER TRADES.

B. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS TO PLUMBING FIXTURES AND EQUIPMENT. CONTRACTOR SHALL INSTALL ALL TRAPS, DRAINS AND SUPPLIES WITH STOPS.

C. EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS.

D. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

E. EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWING AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELVES WITH THIS INFORMATION IS THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKER WITH THIS KNOWLEDGE.

PLUMBING KEYED NOTES:

[Diagram and notes illustrating plumbing system and key points]
PLUMBING NOTES:

A. DRAWING IS SCHEMATIC IN NATURE AND SHOWS THE GENERAL LOCATIONS OF THE PIPING SYSTEM. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF PIPING, DECOR AND THE OTHER TRADES.

B. CONTRACTOR SHALL COMPLETELY COORDINATE AND WORK WITH CONSTRUCTION, MATURAL FINISHES, MECHANICAL, ELECTRICAL, MORTAR AND OTHER TRADES. CONTRACTOR SHALL COMPLETELY COORDINATE WITH EXISTING CONDITIONS.

C. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS TO PLUMBING FIXTURES AND EQUIPMENT.

D. EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS BUILT" CONDITIONS.

E. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

F. EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWING AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELVES WITH THIS KNOWLEDGE MAY RESULT IN ADDITIONAL COMPENSATION BEING ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKER WITH THIS KNOWLEDGE. DRAWING IS SCHEMATIC IN NATURE AND SHOW THE GENERAL LAYOUT OF THE FOLLOWING SYSTEM.

PLUMBING DOMESTIC WATER:

- CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF PIPING, DEVICES AND EQUIPMENT WITH THE BUILDING ELEMENTS AND THE WORK WITH THE OTHER TRADES.

- THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS TO PLUMBING FIXTURES AND EQUIPMENT. THIS INCLUDES BUT IS NOT LIMITED TO FURNISHING AND INSTALLING ALL TRAPS, DRAINS AND SUPPLIES WITH SCOPES.
PLUMBING NOTES:

A. DRAWING IS SCHEMATIC IN NATURE AND SHOW THE GENERAL LAYOUT OF THE FOLLOWING SYSTEM, CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF PIPING, DEVICES AND EQUIPMENT WITH THE BUILDING ELEMENTS AND THE WORK WITH THE OTHER TRADES.

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E. EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWING AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELVES WITH THIS INFORMATION IS THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS INCURRED DURING INSTALLATION OR EXISTING CONDITIONS.

F. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF PIPING, DEVICES AND EQUIPMENT WITH THE BUILDING ELEMENTS AND THE WORK WITH THE OTHER TRADES.
A. DRAWING IS SCHEMATIC IN NATURE AND SHOWS THE GENERAL LAYOUT OF THE FOLLOWING SYSTEM. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF PIPING, DEVICES AND EQUIPMENT WITH THE BUILDING ELEMENTS AND THE WORK WITH THE OTHER TRADES.

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PLUMBING DOMESTIC WATER - COMFORT STATION

PLUMBING DOMESTIC WATER - FIRST FLOOR - COMFORT STATION