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DEALER:  
SUSTAINABLE  
MODULAR

PROJECT:  
STOCK OFFICE

PROJECT #:  
SMM1260-1

STATES:  
TX, NM, CO, OK, LA

SERIAL NUMBERS:  
16608-27

DRAWN BY:  
N.G.L.

PLOT DATE:  
11/24/20

REV # / DATE:

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R. MARK STEELE, P.E.  
CORPORATE ENGINEER  
SUNBELT MODULAR, INC  
5301 W. MADISON ST.  
PHOENIX, AZ 85043  
(602) 327-4769

SHEET:  
**1**  
OF  
**7**

# DEALER: SUSTAINABLE MODULAR

## PROJECT: Stock Office

### 12x56

# SMM1260-1

APPROVED  
 APPROVED EXCEPT AS NOTED  
 REVISE AND RESUBMIT

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

"PLEASE REVIEW DRAWINGS AND SPECIFICATIONS CAREFULLY. WHILE EVERY EFFORT IS MADE TO ASSURE THE DRAWINGS REFLECT THE EXPECTATIONS AND QUOTATION, THE FINAL CONSTRUCTION WILL BE BASED SOLELY ON THE SPECIFICATIONS AND DRAWINGS APPROVED."

| DRAWING INDEX |   |
|---------------|---|
| SHEET 1:      | COVER SHEET   |
| SHEET 2:      | SPECIFICATIONS AND CONDITIONS                                       |
| SHEET 3:      | FLOOR PLAN, FLOOR PLAN LEGEND                                       |
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| SHEET 7:      | SUGGESTED BLOCKING PLAN   |

**NOT INCLUDED IN SCOPE OF WORK:**

- PORCHES, STEPS, AND RAMPS TO BE SUPPLIED AND INSTALLED BY OTHERS IN ACCORDANCE WITH THE IBC.
- PORTABLE FIRE EXTINGUISHERS TO BE SUPPLIED AND INSTALLED ON SITE BY OWNER IN ACCORDANCE WITH SECTION 906 OF THE IBC.
- SUSTAINABLE MODULAR TO SITE CONSTRUCT DRAFT STOP IN ACCORDANCE WITH THE IBC WHERE REQUIRED.
- MANUAL FIRE ALARM SYSTEM SHALL BE SUPPLIED AND INSTALLED AT SITE BY OTHERS IN ACCORDANCE WITH THE NFPA 72.
- THE BUILDING OWNER IS RESPONSIBLE FOR THE DEVELOPMENT & DESIGN OF ALL SITE REQUIRED ACCESSIBILITY ELEMENTS. THESE ELEMENTS ARE NOT INCLUDED IN THE SCOPE OF THIS DESIGN. SUBMITTALS ARE REQUIRED BY OWNER THROUGH THEIR DESIGN PROFESSIONAL IN ACCORDANCE WITH THE TEXAS ARCHITECTURAL BARRIERS ACT TO:

TEXAS DEP. OF LICENSING AND REGULATIONS  
ARCHITECTURAL BARRIERS SECTION  
P.O. BOX 12157 - AUSTIN, TX 78711

**IDENTIFICATION:**

NOTE: DATA PLATE, THIRD PARTY LABEL, MBI SEAL AND ALL STATE DECALS TO BE LOCATED ON PANEL BOX DOOR.

**NOTES:**

- SITE PLAN NOT AVAILABLE AT THIS TIME. BUILDING DESIGNED TO HAVE FIRE SEPARATION DISTANCE GREATER THAN 10 FT. IN ACCORDANCE WITH THE IBC.
- BUILDING WILL NOT BE LOCATED IN A FLOOD HAZARD AREA.
- BUILDING SHALL NOT BE SITED WHERE LOCAL CONDITIONS EXCEED THE DESIGN PARAMETERS.

**2015 ENERGY DESIGN INFORMATION:**

CLIMATE ZONE: 2a window and glazed door area 10 percent or less

- R-VALUES TO COMPLY WITH 2015 IECC TABLE: C402.1.3 AND/OR DOE'S BUILDING ENERGY CODE PROGRAM.
- SWITCHING SCHEMES SHALL BE PER ELECTRICAL PLAN.
- EQUIPMENT EFFICIENCIES: HVAC MUST COMPLY WITH C403.2.3 AND TABLE 403.2.3(1) OF THE 2015 IECC.
- WATER HEATING COMPONENTS SHALL BE PER SECTION C404 OF THE 2015 IECC TO BE CONSISTENT WITH THE NATIONAL APPLIANCE ENERGY CONSERVATION ACT OF 1987.
- SYSTEM CONTROLS: HEATING AND COOLING SYSTEMS SHALL BE PROVIDED WITH PROGRAMMABLE THERMOSTAT PER SECTION C403.2.4.1 OF THE 2015 IECC.
- OUTDOOR AIR VENTILATION RATES SHALL COMPLY WITH TABLE 403.3 OF THE 2015 IMC:  
 $5*((5/1000)*654)+654*0.06=56$  CFM
- DUCT INSULATION SHALL COMPLY WITH SECTION C403.2.9 OF THE 2015 IECC:  
R-6 INSULATION WHEN LOCATED IN UNCONDITIONED SPACE.  
R-12 INSULATION WHEN LOCATED OUTSIDE BUILDING ENVELOPE.
- DUCT SEALING MUST COMPLY WITH SECTION C403.2.9 OF THE 2015 IECC.

**2009 ENERGY DESIGN INFORMATION:**

CLIMATE ZONE: 3a window and glazed door area 10 percent or less

- R-VALUES TO COMPLY WITH 2009 IECC TABLE: C402.2. AND/OR DOE'S BUILDING ENERGY CODE PROGRAM.
- SWITCHING SCHEMES SHALL BE PER ELECTRICAL PLAN.
- EQUIPMENT EFFICIENCIES: HVAC MUST COMPLY WITH C403.2.3 AND TABLE 503.2.3(1) OF THE 2009 IECC.
- WATER HEATING COMPONENTS SHALL BE PER SECTION 504 & TABLE 504.2 OF THE 2009 IECC TO BE CONSISTENT WITH THE NATIONAL APPLIANCE ENERGY CONSERVATION ACT OF 1987.
- SYSTEM CONTROLS: HEATING AND COOLING SYSTEMS SHALL BE PROVIDED WITH PROGRAMMABLE THERMOSTAT PER SECTION 503.2.4.1 OF THE 2009 IECC.
- OUTDOOR AIR VENTILATION RATES SHALL COMPLY WITH TABLE 403.3 OF THE 2009 IMC:  
 $5*((5/1000)*654)+654*0.06=56$  CFM
- DUCT INSULATION SHALL COMPLY WITH SECTION 503.2.7 OF THE 2009 IECC:  
R-5 INSULATION WHEN LOCATED IN UNCONDITIONED SPACE.  
R-8 INSULATION WHEN LOCATED OUTSIDE BUILDING ENVELOPE.
- DUCT SEALING MUST COMPLY WITH SECTION 503.2.7 OF THE 2009 IECC.

**ASHRAE ENERGY DESIGN INFORMATION:**

CLIMATE ZONE: 3a window and glazed door area 10 percent or less

- U-VALUES TO COMPLY WITH ASHRAE TABLE 5.5-2 AND/OR DOE'S BUILDING ENERGY CODE PROGRAM.
- SWITCHING SCHEMES SHALL BE PER ELECTRICAL PLAN.
- EQUIPMENT EFFICIENCIES: HVAC MUST COMPLY WITH TABLE 6.8.1-4.
- WATER HEATING SHALL BE PER SECTION 7.2.1 AND TABLE 7.8.
- SYSTEM CONTROLS: HEATING AND COOLING SYSTEMS SHALL BE PROVIDED WITH PROGRAMMABLE THERMOSTAT PER SECTION 6.4.3.1 - 6.4.3.3.
- OUTDOOR AIR VENTILATION RATES SHALL COMPLY WITH TABLE 403.3 OF THE 2015 IMC:  
 $5*((5/1000)*654)+654*0.06=56$  CFM
- DUCT INSULATION SHALL COMPLY WITH SECTION 6.4.4.1.2 AND TABLE(S) 6.8.2-1 AND 6.8.2-2 AS APPL.:  
R-3.5 INSULATION WHEN LOCATED IN UNCONDITIONED SPACE.  
R-6 INSULATION WHEN LOCATED OUTSIDE BUILDING ENVELOPE.
- DUCT SEALING MUST COMPLY WITH SECTION 6.4.4.2.1.

**MANUFACTURER:**

MANUFACTURE & ADDRESS AMTEX CORP.  
823 EAST WALNUT ST.  
GARLAND, TX. 75040  
(SEE WEBSITE FOR WARRANTY INFORMATION)

**DESIGN CRITERIA / LOADS:**

NO OF MODULES: 1  
BUILDING SQ.FT: 654  
TYPE OF CONSTRUCTION: VB  
OCCUPANCY USE GROUP: B  
OCCUPANCY LOAD: 7  
FLOOR LIVE LOAD: 50 psf (2000 lb concentrated)  
(100 psf @ corridor)  
ROOF LIVE LOAD: 20 psf  
ROOF DEAD LOAD: 12 psf  
SNOW LOAD: 40 psf  
WIND LOAD: IBC-101 MPH (VASD) EXP. C  
IBC-130 MPH (VULT) EXP. C

OCCUPANCY/RISK CATG: II  
SEISMIC DESIGN CATEGORY: C  
PERMISSIBLE GAS TYPE: N/A

**NAME AND DATE OF CODES:**

TX: 2015 IBC, 2015 IPC, 2015 IMC, 2015 IECC, 2014 NEC, 2012 TAS

NM: 2015 NMBC, 2012 NMPC, 2012 NMMC, 2017 NMEC, 2009 NMECC, ICC A117.1-2009

CO: 2018 IBC, 2018 IPC, 2018 IMC, 2015 IECC, 2018 IFC, 2017 NEC, ICC A117.1-2017, 8 CCR 1302-14 ADMINISTRATIVE RULES

OK: 2015 IBC, 2015 IPC, 2015 IMC, 2015 IECC, 2015 IFC, 2017 NEC, 2010 ADAAG ADA STANDARDS

LA: 2015 IBC, 2015 IPC W/ LA AMENDMENTS, 2015 IMC, 2014 NEC, 2015 IFGC, NFPA 101-2015, 2010 ADAAG ADA STANDARDS, ASHRAE 90.1-2007

**SPECIAL CONDITIONS AND / OR LIMITATIONS:**

THIS BUILDING IS NOT TO BE PLACED IN A CLIMATE ZONE 5 OR HIGHER..

HEAT TRACE SHALL BE INSTALLED AT SITE BY OTHERS WITHIN 6" OF LAVATORY(S) FOR PIPING 3/4" DIA. OR GREATER OR WITHIN 24" OF LAVATORY(S) FOR PIPING 1/2" DIA. PER 2015 IECC, SECTION 404.5 AND TABLE C404.5.1 AND/OR AS REQUIRED BY LOCAL AUTHORITIES HAVING JURISDICTION.

THE OWNER SHALL BE RESPONSIBLE TO INSTALL AN APPROVED AND LISTED COMPONENT IN ACCORDANCE WITH ASTM E 1996 OR ASTM E 1866 FOR THE PROTECTION OF ALL EXTERIOR OPENINGS (WINDOWS, DOORS AND LOUVERS) WHEN THIS STRUCTURE IS LOCATED IN A WIND BORNE DEBRIS REGION IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE SECTION 1609.1.2. PRIOR TO FINAL INSPECTION AND OCCUPANCY.

**FRAME / CHASSIS:**

Frame Type: Outrigger  
 Quantity: (1) EA  
 Type: Outrigger and crossmember @ 48 in. O.C. main beams to be 99 1/2" O.C.  
 Beam Size: 12" Jr. I-beam  
 Axles: 6000# rated underslung with (4) brake  
 Hitch: Detachable  
 Tires: 8x14.5 14 ply rated

**FLOOR CONSTRUCTION:**

Floor Joist: 2X8 #2 SYP equal or better  
 Framing: Transverse  
 Joist: 16" O.C.  
 Floor Decking: Single layer 3/4" T&G Sturd-I-Floor.  
 Insulation: R-30HD unfaced fiberglass batt  
 Bottom: Mobilflex or equal

Floor Covering Type:  
 1/8" commercial grade tile. Tile to be 50% offset.  
 Color to be: (51899 COOL WHITE)

**EXTERIOR WALL CONSTRUCTION:**

Framing: 2X6 #2 SYP equal or better @ 16" O.C. w/ double 2X6 #2 SYP equal or better top plate and single 2X6 #2 SYP or better bottom plate. (3-2x6 header with (2) 1/2" shim at all exterior openings unless otherwise noted)  
 Wall Sheathing: House Wrap over 3/8" CDX or entire perimeter  
 Insulation: R-21 Unfaced fiberglass batt  
 Siding Type: 26 GA. ga. R-Panel steel siding  
 Siding body color: (CHARCOAL GRAY)  
 Corner trim color: (CHARCOAL GRAY)  
 Door & window trim color: (GALLERY BLUE)  
 Bottom horizontal trim color: (CHARCOAL GRAY)  
 Top horizontal trim color: (CHARCOAL GRAY)  
 Wall Covering 1: 5/8" vinyl covered gypsum w/wrapped battens  
 Color to be: (HAMPTON GRAY).  
 Sidewall Height: See cross section for heights  
 Wall Covering 2: Standard White FRP panels behind and along side water close  
 Covering height: 4'  
 Skirting: None

**INTERIOR WALL CONSTRUCTION:**

Framing: 2X4 #2 SYP equal or better @ 16" o.c. w/ double 2X4 #2 SYP equal or better top plates and single 2X4 #2 SYP or better bottom plate  
 Overall height: Full height  
 Wall Covering 1: 5/8" vinyl covered gypsum w/wrapped battens.  
 Color to be: (HAMPTON GRAY)  
 Covering height: 8'  
 Wall Covering 2: Standard White FRP panels behind and along side water closet  
 Covering height: 4'  
 Base Trim: 4" rubber cove. Color to be: (053 DOVE GRAY)

Additional Interior Wall Items Included in Quoted Price:

Item 1: Interior shearwall to extend to rafters with 7/16" OSB on one side of the wall see floor plan for location of interior shearwall.

**ROOF CONSTRUCTION:**

Roof Type: Single slope roof sloping away from exterior doors  
 Truss: Engineered wood truss  
 Spacing: 24" O.C.  
 Ceiling: Prefinished 3/8" x 15'-6" gypsum  
 Insulation: R-38HD unfaced fiberglass batt with support netting  
 Sheathing: 1/2" CDX with Class C rating or equal blocked at all edges  
 Roofing: 45 mil white single ply fully adhered EPDM (S.R. after 3 years: 0.64 / T.E after 3 years: 0.87)

Additional Roof Items Included in Quoted Price:

Item 1: Drip Rail / J-Rail  
 Item 1: See HVAC section for gable vents / fans.

**EXTERIOR/INTERIOR DOORS:** (SEE DOOR SCHEDULE)

**WINDOWS:** (SEE WINDOW SCHEDULE)

**ELECTRICAL:**

| Type         | Qty | Note       | Description   |
|--------------|-----|------------|---|
| Elec Service | 1   |            | 120/240V. 60 HZ. single phase   |
| Elec Panel   | 1   |            | 1 PH w/100 main breaker. Exterior mount NEMA 3R (Entrance supplied and installed at site by others) |
| Elec Raceway | 1   |            | MC Cable W/ min. #12 wire   |
| Lights       | 9   |            | 1'x4' LED surface mount   |
| Lights       | 1   |            | 11" LED dome light  |
| Lights       | 2   |            | 12W LED porch light with photocell  |
| Emerg. Light | 2   |            | Exterior remote head  |
| Emerg. Light | 2   | Green Lens | Combo dual emergency light/exit sign with battery backup  |
| Receptacle   | 13  |            | 20a/120v Duplex   |
| Receptacle   | 1   |            | 20a/120v GFCI protected   |
| Receptacle   | 1   |            | 20a/120v GFCI 'WR' rated exterior receptacle with weatherproof "extra duty in use" cover            |
| Receptacle   | 1   |            | 20a/120v GFCI protected weatherproof heat tape receptacle below unit                                |
| Phone/Comm.  | 5   | 3/4" ENT   | 2x4 empty box w/ blank cover stubbed down   |
| Switches     | 4   |            | Wall occupancy or vacancy sensor switch at door (factory set to manual on - auto off)               |
| Device Color | 1   |            | Color to be: (IVORY)  |
| Switch       | 2   |            | 20a/120v Single toggle  |

**PLUMBING:**

| Type         | Qty | Note            | Description   |
|--------------|-----|-----------------|---|
| Supply       | 1   |                 | Pex with copper inlet with 1" Pipe Insulation   |
| DWV System   | 1   |                 | Poly vinyl chloride schedule 40   |
| Water Closet | 1   |                 | Handicap elongated tank type with open front seat and shut off valve  |
| Lavatory     | 1   |                 | 19 in. X 17 in. white vitreous wall hung with ADA handles and shut off valves and 3/8" temperate mixing valve |
| Water Heater | 1   | EEMAX AM005240T | Insta-Hot (Electric - 240V) with tempering valve  |
| Paper Holder | 1   |                 | Single roll chrome wall mount   |
| Grab Bars    | 1   |                 | 18" Vertical  |
| Grab Bars    | 1   |                 | 36" & 42"   |
| Mirror       | 1   |                 | 18" X 36" pencil edge w/ clips  |
| Floor Drain  | 1   |                 | Floor drain with trap guard   |

**HVAC:**

| Type           | Qty | Note                             | Description  |
|----------------|-----|----------------------------------|--|
| HVAC Unit Type | 1   | 3 Ton cooling with 10KW electric | End mount unit with 60A non-fusible disconnect (Extend condensate to below bottom trim). Color to be: (GRAY) |
| T-Stat         | 1   |                                  | Programmable T-Stat(s)   |
| Exhaust Fan    | 1   |                                  | 100 CFM gable exhaust fan  |
| Gable vent     | 1   |                                  | 12"X12" Passive gable vent   |
| Exhaust Fan    | 1   | 110 CFM                          | Ceiling mounted  |
| Heat Duct      | 1   | Wall sleeve first 3'             | Foil faced fiberglass, 1-1/2" thick (R-6)  |
| Diffusers      | 7   |                                  | 12 in. x 12 in. Diffuser with kruger box and a 8" neck inlet   |
| R/A Grills     | 6   |                                  | 12 in. x 12 in. Ceiling grill with flex duct connection for return air                                       |

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 PH 972-276-6626 FAX 972-276-5105  
**SUNBELT MODULAR, INC.**  
 AMTEX | INDIANAPOLIS | PHOENIX | M.R. STEEL | AMERIFAB

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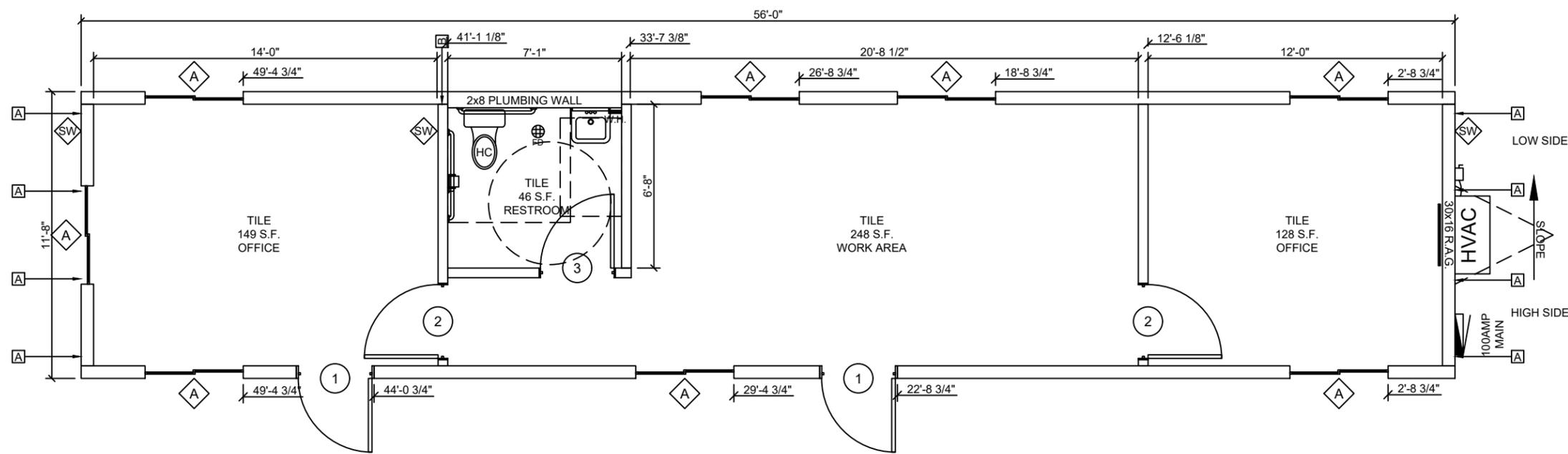
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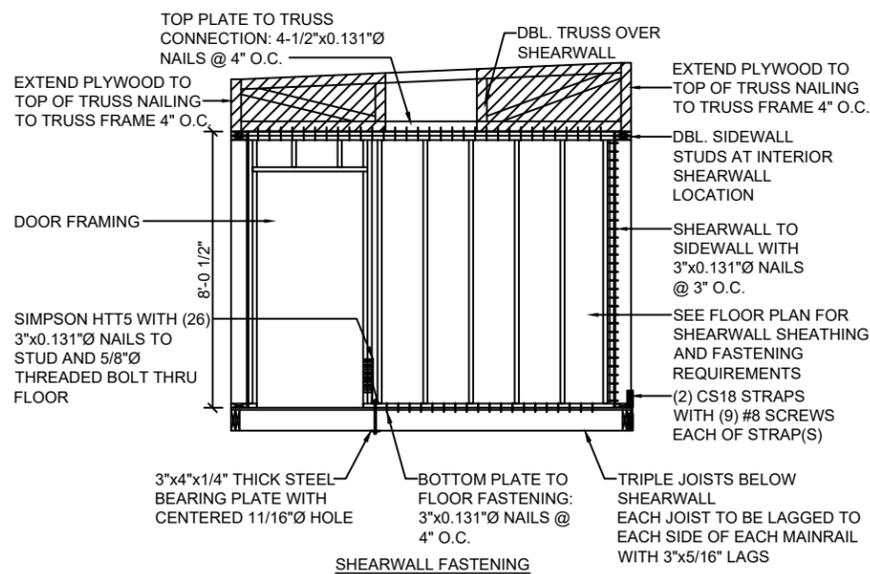
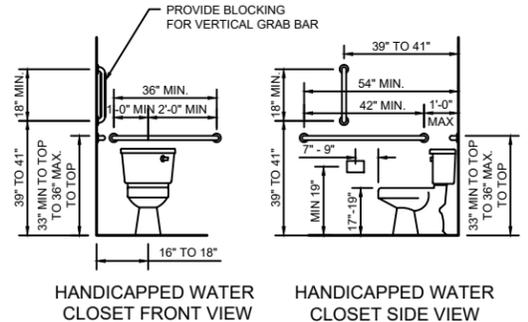
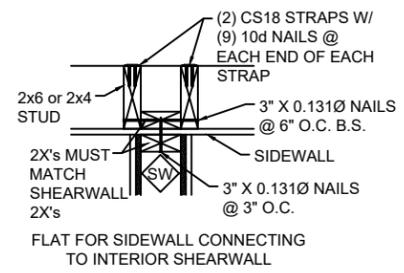
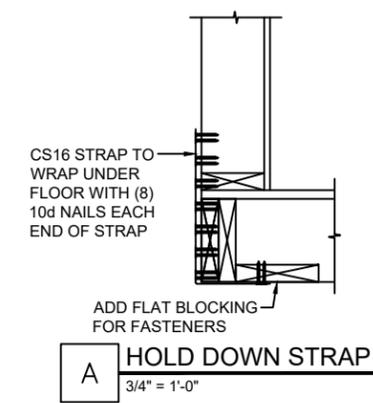
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| FLOOR PLAN LEGEND |   |
|-------------------|---|
|                   | SHEARWALL   |
|                   | HANDICAP ELONGATED TANK TYPE WATER CLOSET WITH SHUT OFF VALVE   |
|                   | 36" GRAB BAR  |
|                   | 42" GRAB BAR  |
|                   | 18" VERTICAL GRAB BAR   |
|                   | TOILET PAPER DISPENSER  |
|                   | LAVATORY 19" X 17" WHITE VITREOUS WALL HUNG WITH ADA HANDLES WITH SHUT OFF VALVES AND 3/8" TEMPERATURE MIXING VALVE. INSULATE HOT/COLD SUPPLY AND DRAIN TAILPIECE |
|                   | FLOOR DRAIN WITH TRAP GUARD   |



**1 FLOOR PLAN**  
 3/16"=1'-0" SQUARE FOOTAGE - 654 S.F.  
 OCCUPANCY LOAD = 7



| WINDOWS: |     |   |                                  |           |                 |          |      |   |                            |
|----------|-----|---|----------------------------------|-----------|-----------------|----------|------|---|----------------------------|
| Qty      | NO. | Type  | Glazing                          | Size      | Rough Opening   | U-Factor | SHGC | Mini-Blind  | Notes                      |
| 8        | A   | VINYL HORIZONTAL SLIDER. COLOR TO BE: (WHITE) | CLEAR, DUAL GLAZED, LOW-E, ARGON | 4/0 X 3/0 | 48-1/2"x36-1/2" | .34      | .22  | THIN LINE METAL MINI-BLINDS. COLOR TO BE: (WHITE) | TOP OF WINDOW AT 6'-8" AFF |

| DOORS: |     |                              |                           |                                    |               |               |          |               |                  |          |  |             |        |   |
|--------|-----|------------------------------|---------------------------|------------------------------------|---------------|---------------|----------|---------------|------------------|----------|--|-------------|--------|---|
| Qty    | NO. | Type                         | Jamb                      | Glazing                            | Size          | Rough Opening | U-Factor | Color         | Closer           | Deadbolt | Hardware   | Fire Rating | Keying | Notes   |
| 2      | 1   | TELSTAR PRO INSULATED 20 GA. | 18 GA.                    | 10X10 TEMPERED PANE & OBSCURE FILM | 3'-0" x 6'-8" | 38"x81"       | .14      | CHARCOAL GRAY | HYDRAULIC CLOSER | N/A      | KABA SIMPLEX LRP1020 B 26D 41 WITH KEY OVERRIDE AND I.C. CORES | NONE        | ALIKE  | 10"x34" S.S. KICK PLATE, MAGNETIC WEATHER STRIPPING |
| 2      | 2   | LEGACY SOLID CORE            | WITH BROWNTONE METAL JAMB | N/A                                | 3'-0" x 6'-8" | 37 1/4"x81"   | N/A      | OAK           | N/A              | N/A      | PASSAGE LEVER, TELL BRAND, GRADE 2                             | NONE        | N/A    | FLOOR MOUNT STOPS                                   |
| 1      | 3   | LEGACY SOLID CORE            | WITH BROWNTONE METAL JAMB | N/A                                | 3'-0" x 6'-8" | 37 1/4"x81"   | N/A      | OAK           | N/A              | N/A      | PRIVACY LEVER, TELL BRAND, GRADE 2                             | NONE        | N/A    | FLOOR MOUNT STOPS                                   |

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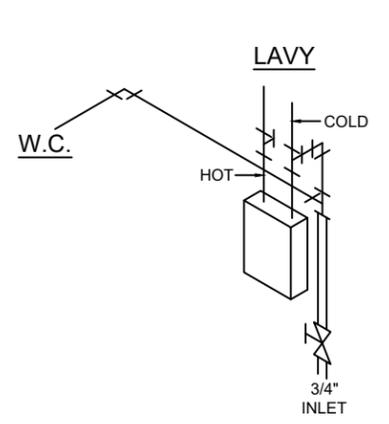
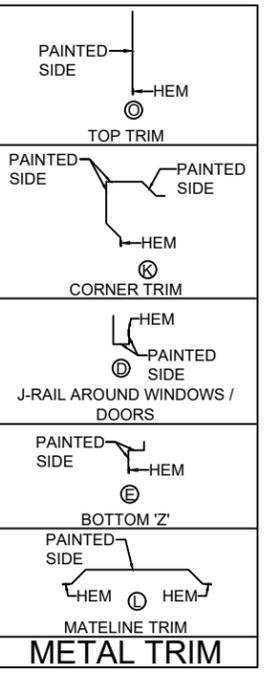
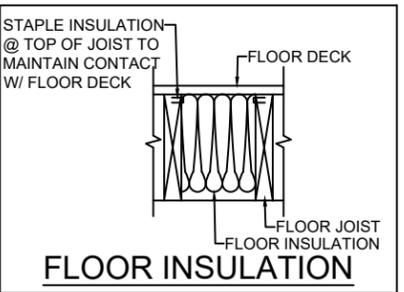
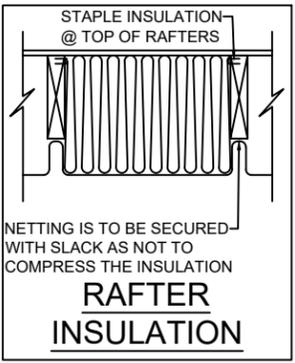
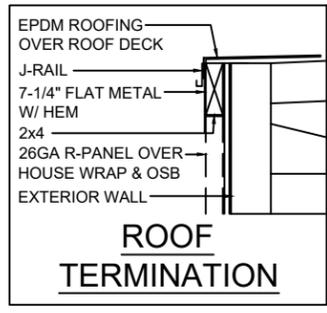
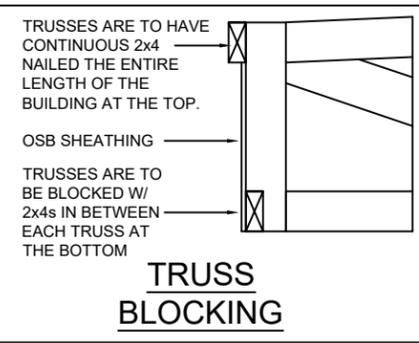
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**SUPPLY LINE LEGEND**

|  |                 |
|--|-----------------|
|  | 1/2" WATER LINE |
|  | 3/4" WATER LINE |

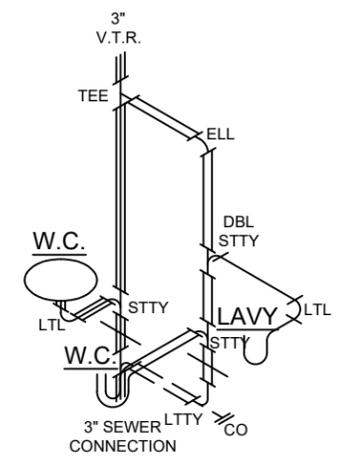
ASSUMED DESIGN PRESSURE RANGE OF 50-60 PSI

- PER IPC SECTION 606.2, A SHUT-OFF VALVE SHALL BE INSTALLED AT EACH FIXTURE AND WATER HEATER.
  - PER IPC, TABLE 308.5 FOOTNOTE B, PIPING 1" OR SMALLER SHALL BE SUPPORTED 32" HORIZONTALLY AT FLOOR, CEILING, AND MID-STORY VERTICALLY.
  - TANKLESS WATER HEATER SHALL CONFORM TO SECTION 501.6 OF THE IPC.
- USE THESE NOTES FOR TANKLESS WATER HEATERS

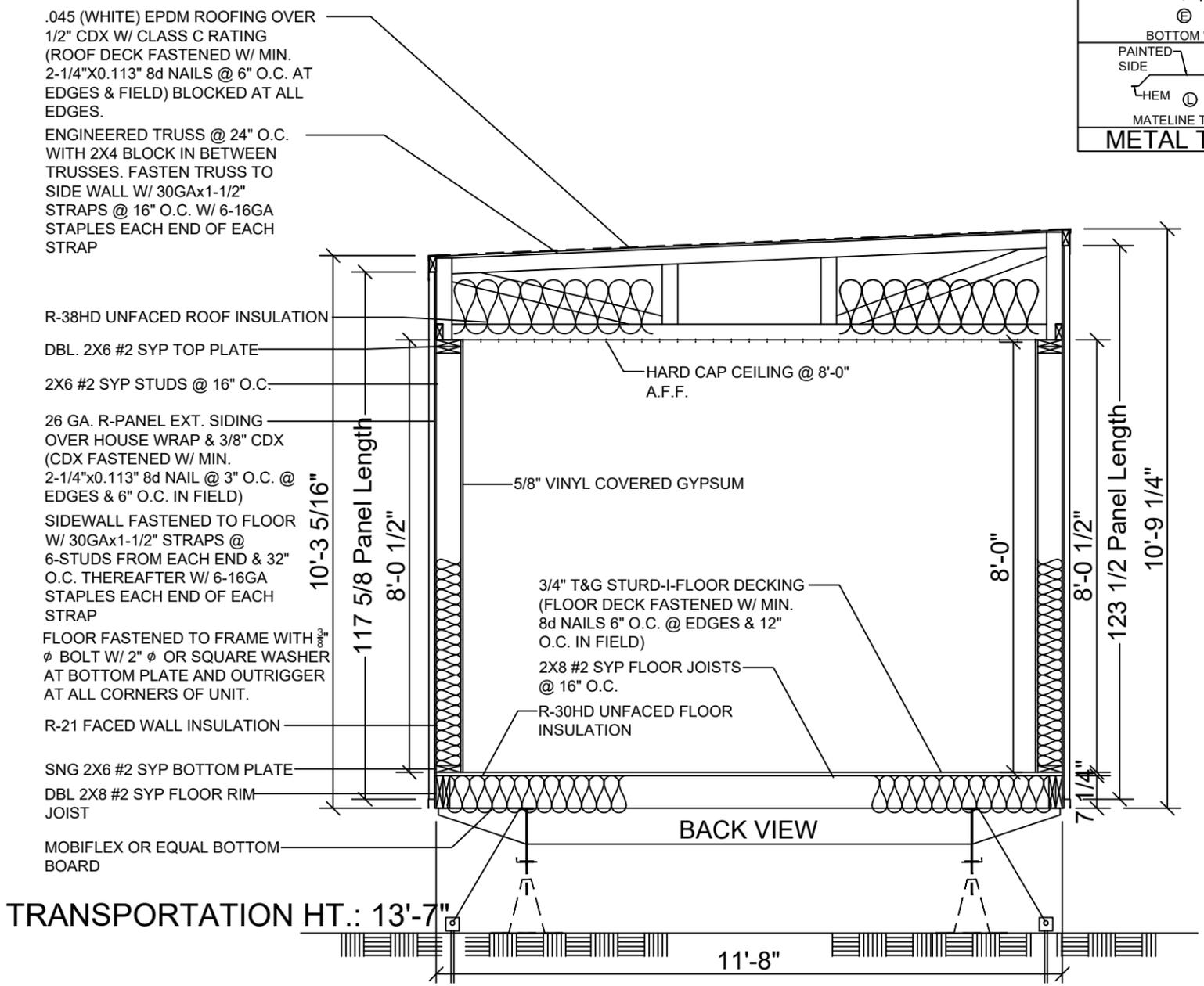
**DRAIN/WASTE PIPING LEGEND**

|  |                 |
|--|-----------------|
|  | 1-1/2" DWV LINE |
|  | 2" DWV LINE     |
|  | 3" DWV LINE     |

- DWV IS STUBBED THRU FLOOR ONLY AT FACTORY. MANIFOLD (DASHED LINE) UNDER THE BUILDING AND FINAL CONNECTION(S) IS TO BE COMPLETED AT SITE BY OTHERS IN ACCORDANCE WITH THE IPC.
- PER IPC, TABLE 308.5 FOOTNOTE B, PIPING SHALL BE SUPPORTED 4' O.C. HORIZONTALLY AT FLOOR, CEILING, AND MID-STORY VERTICALLY.



**2 PLUMBING**  
N.T.S.



**1 BUILDING CROSS SECTION**  
3/8"=1'-0"

AMTEX CORP.  
832 E WALNUT ST. GARLAND, TX 75040  
PH 972-276-7626 FAX 972-276-5105

SUNBELT MODULAR, INC.  
AMTEX | INDIANOM | PHOENIX | M.R. STEEL | AMERIFAB

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DEALER: SUSTAINABLE MODULAR

PROJECT: STOCK OFFICE

PROJECT #: SMM1260-1

STATES: TX, NM, CO, OK, LA

SERIAL NUMBERS: 16608-27

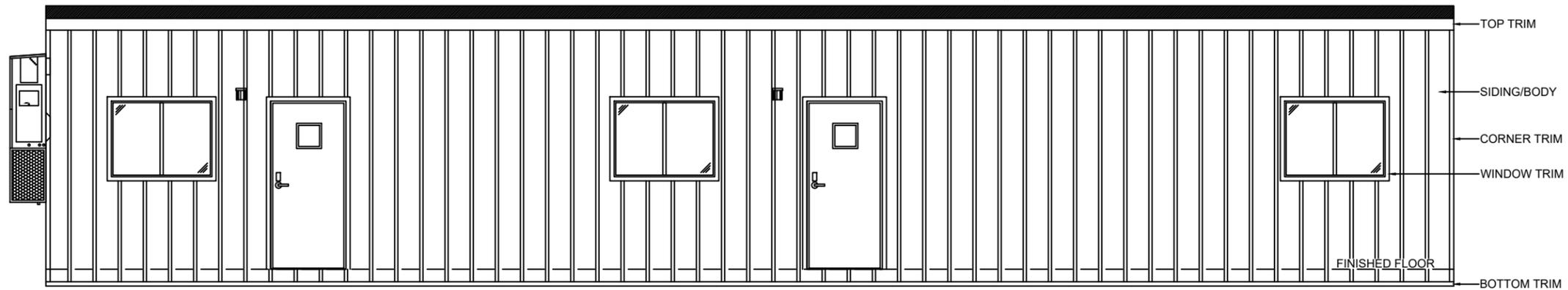
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PLOT DATE: 11/24/20

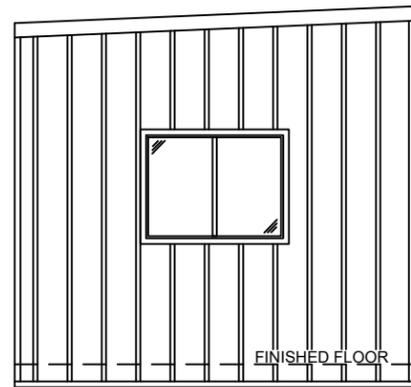
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CORPORATE ENGINEER  
SUNBELT MODULAR, INC  
5301 W. MADISON ST.  
PHOENIX, AZ 85043  
(602) 327-4769

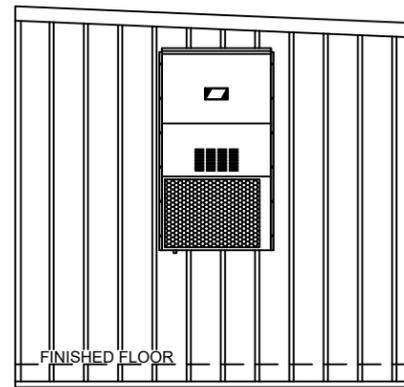
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OF  
**7**



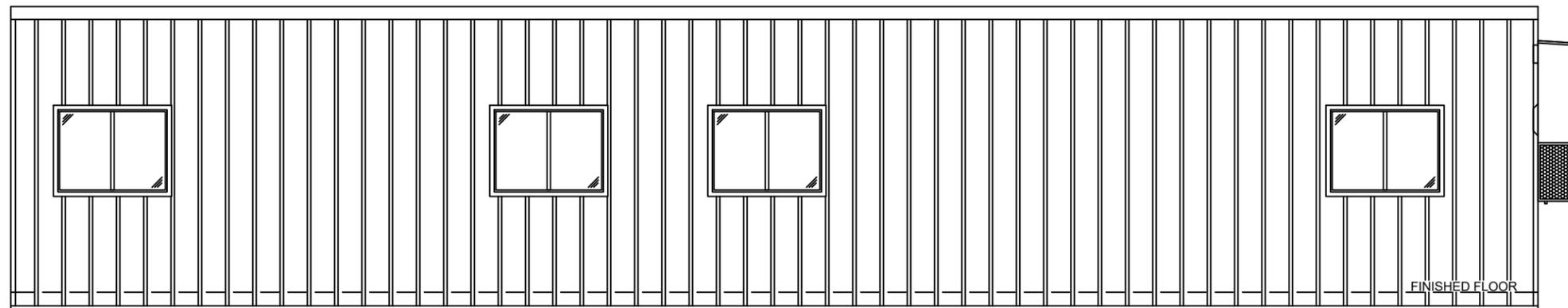
CURB SIDE



REAR END



FRONT END



STREET SIDE

**AMTEX**  
CORP.  
832 E WALNUT ST. - GARLAND, TX, 75040  
PH 972-276-7626 FAX 972-276-5105

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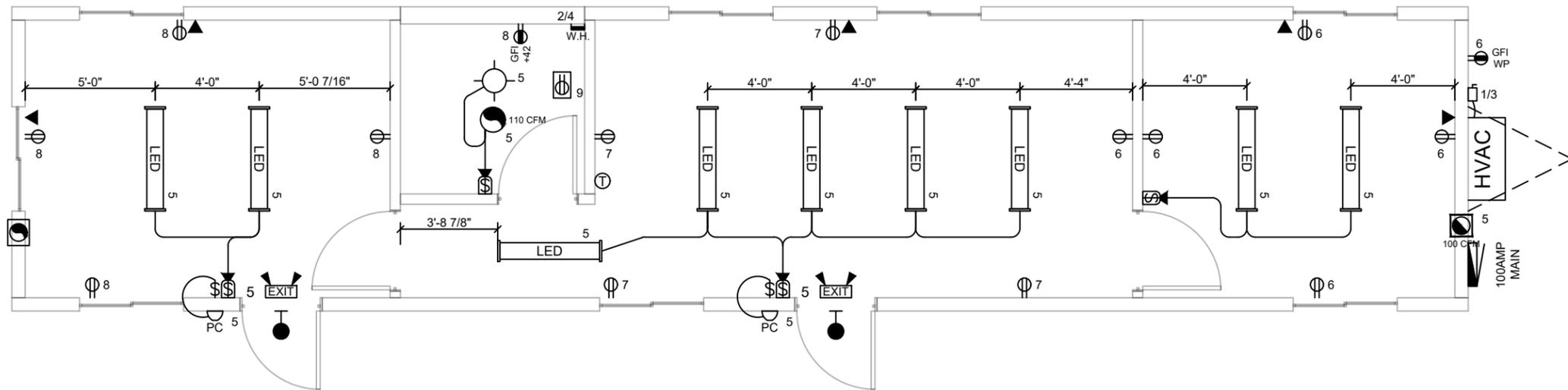
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EXTERIOR ELEVATION

3/16"=1'-0"



| PANEL GROUNDING |       |
|-----------------|-------|
| PANEL:          | GRND: |
| 100A:           | #8    |
| 125A:           | #6    |
| 150A:           | #6    |
| 200A:           | #4    |
| 300A:           | #2    |
| 400A:           | #1/0  |
| 600A:           | #2/0  |

| ELEC LEGEND |   |
|-------------|---|
| LED         | 1'x4' LED SURFACE MOUNT LIGHT FIXTURE (INPUT WATTAGE = 32)                                  |
| PC          | 12 WATT LED EXTERIOR LIGHT WITH PHOTOCELL (INPUT WATTAGE=13)                                |
| \$          | LIGHT SWITCH @ 42" AFF  |
| Ⓜ           | OCCUPANCY OR VACANCY SENSOR SWITCH @ 42" AFF  |
| EXIT        | COMBO DUAL EMERGENCY LIGHT/EXIT LIGHT SIGN WITH BATTERY BACKUP                              |
| ⊕           | EXTERIOR REMOTE HEAD EMERGENCY LIGHT  |
| ⊙           | 11" LED SURFACE MOUNTED DRUM LIGHT (INPUT WATTAGE = 32)                                     |
| ⊙ 110 CFM   | CEILING MOUNTED EXHAUST FAN   |
| ⊙           | PASSIVE GABLE VENT  |
| ⊙           | GABLE EXHAUST FAN   |
| ⊕           | ELECTRICAL PANEL BOX (SEE PLANS AND PANEL SCHEDULES FOR SIZES)                              |
| ⊕           | 20a/120v DUPLEX RECEPTACLE @ 15" AFF  |
| ⊕ GFI WP    | 20a/120v GFCI 'WR' RATED EXT. RECEPTACLE w/WEATHERPROOF 'EXTRA DUTY IN USE' COVER @ 15" AFF |
| ⊕ GFI #42   | 20a/120v GFCI PROTECTED DUPLEX RECEPTACLE   |
| ⊕           | 20a/120v GFCI PROTECTED WEATHERPROOF HEAT TAPE RECEPTACLE BELOW UNIT                        |
| ▲           | 2X4 J-BOX W/ 3/4" CONDUIT STUBBED BELOW FLOOR FOR PHONE / DATA JACK BY OTHERS @ 15" AFF     |
| ⊕           | PROGRAMMABLE THERMOSTAT MOUNTED @ 44" AFF TO BOTTOM   |

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PROJECT: STOCK OFFICE

PROJECT #: SMM1260-1

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SHEET: **6** OF **7**

**1 ELECTRICAL PLAN**  
3/16"=1'-0"

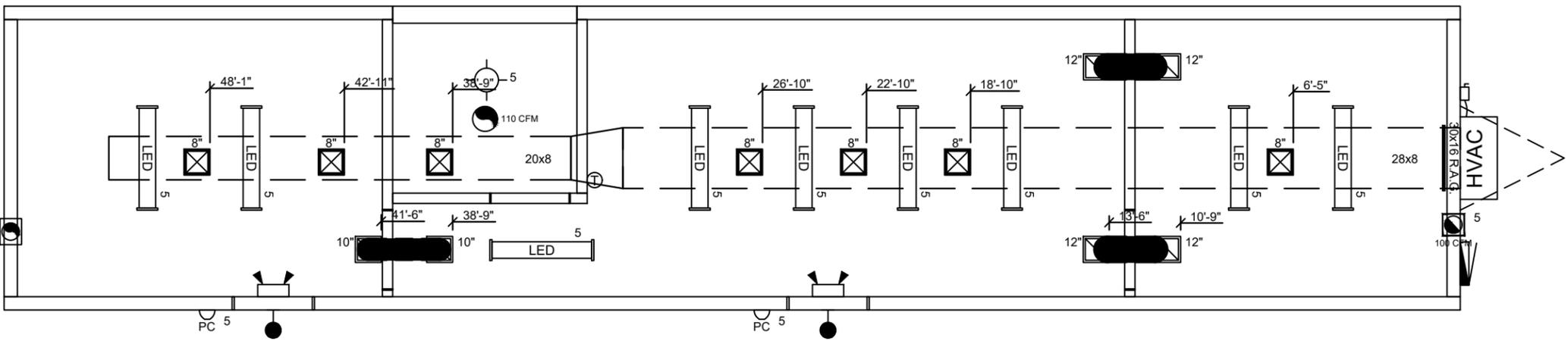
| PANEL BOX LOAD CALCULATION: |                                   |                      |             |
|-----------------------------|-----------------------------------|----------------------|-------------|
| QTY                         | ITEM DESCRIPTION:                 | WATTS                | VA          |
| 1                           | AC MOTOR AT                       | 504 WATTS EA X 125%  | 630 WATTS   |
| 1                           | AC 10KW HEAT STRIP AT             | 10000 WATTS EA       | 10000 WATTS |
| 9                           | 1'x4' LED LIGHT AT                | 32 WATTS EA X 125%   | 360 WATTS   |
| 1                           | LED DOME LIGHT AT                 | 32 WATTS EA X 125%   | 40 WATTS    |
| 2                           | LED PORCH LIGHT AT                | 12 WATTS EA X 125%   | 30 WATTS    |
| 2                           | EMER/EXIT SIGN W/ REMOTE HEAD AT  | 27 WATTS EA X 125%   | 68 WATTS    |
| 13                          | 20A/120V RECEPTACLES AT           | 180 WATTS EA         | 2340 WATTS  |
| 1                           | GFI 20A/120V RECEPTACLES AT       | 180 WATTS EA         | 180 WATTS   |
| 1                           | W.P. EXT. GFCI 20A/120V RECEP. AT | 180 WATTS EA         | 180 WATTS   |
| 1                           | DED. 20A/120V HEAT TAPE RECEP. AT | 600 WATTS EA         | 600 WATTS   |
| 1                           | 110CFM EXHAUST FAN AT             | 156 WATTS EA         | 156 WATTS   |
| 1                           | 110CFM GABLE FAN AT               | 156 WATTS EA         | 156 WATTS   |
| 1                           | EEMAX AM005240T WATER HEATER AT   | 4800 WATTS EA        | 4800 WATTS  |
| TOTAL LOAD                  |                                   | 19540 WATTS / 240v = | 81 AMPS     |

| 120/240V 1P 100A PANEL W/ 100A MAIN BREAKER |                                 |     |     |     |     |                          |           |
|---|---------------------------------|-----|-----|-----|-----|--------------------------|-----------|
| GRND WIRE                                   | DESCRIPTION                     | AMP | CKT | CKT | AMP | DESCRIPTION              | WIRE GRND |
| #10   | #6 HVAC UNIT                    | 60  | 1   | 2   | 20  | WATER HEATER GFI BREAKER | #12 #12   |
| #12   | #12 LIGHTS                      | 20  | 5   | 6   | 20  | RECEPTACLES              | #12 #12   |
| #12   | #12 RECEPTACLES                 | 20  | 7   | 8   | 20  | RECEPTACLES              | #12 #12   |
| #12   | #12 HEAT TAPE RECEP GFI BREAKER | 20  | 9   | 10  | -   | OPEN                     | - -       |
| -   | - OPEN                          | -   | 11  | 12  | -   | OPEN                     | - -       |

- NOTE:
- ALL A F F DIMENSIONS ARE TO THE BOTTOM OF THE DEVICE BOX UNLESS NOTED "TO CENTER".
  - BLANK COVERS SHALL BE ADDED TO ANY J-BOX THAT IS FOR FUTURE USE.
  - ELECTRICAL DEVICE UNOBSTRUCTED REACH HEIGHT(S):  
3.1. ADULTS: 15" MIN TO 48" MAX

| HVAC LEGEND |  |
|-------------|--|
| HVAC        | HVAC UNIT WITH ELECTRIC HEAT STRIP (SEE HVAC PLAN FOR SIZES)       |
| ▬           | FLEX DUCT  |
| ⊗           | 12 X 12 DIFFUSER WITH DAMPER AND KRUGER BOX WITH A 8" NECK INLET   |
| ⊘           | 12 X 12 RETURN AIR WITH DAMPER AND KRUGER BOX WITH A VARYING INLET |

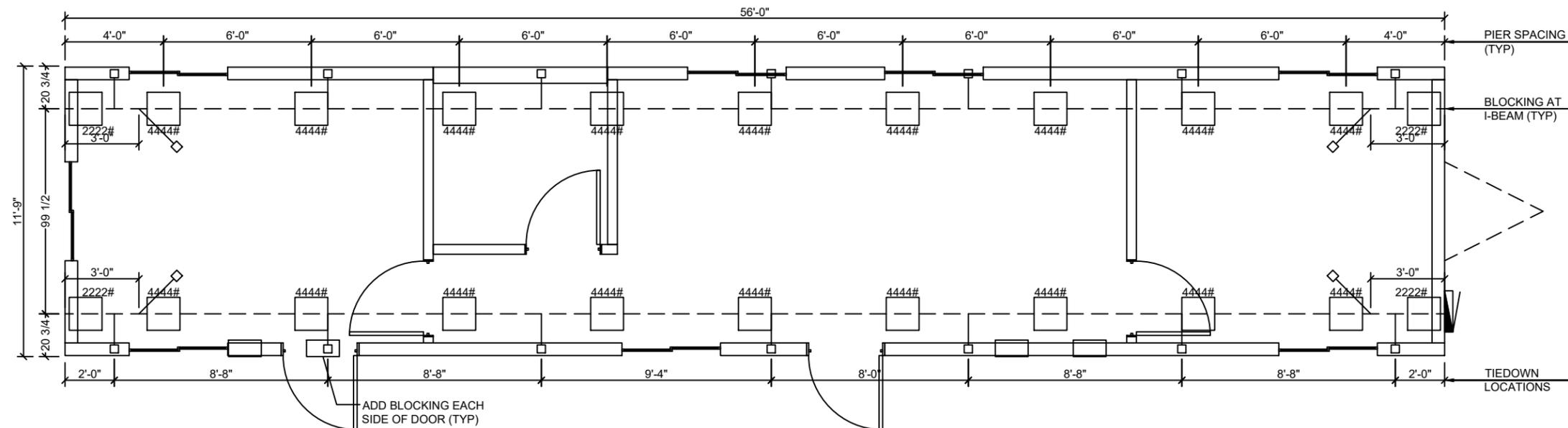
NOTE: ALL MECHANICAL VENTS (EXHAUST FANS) MUST TERMINATE MIN. 10 FEET HORIZONTALLY AWAY FROM ANY AIR INTAKE OPENING UNLESS IT IS AT LEAST 3 FEET ABOVE THE TOP OF SUCH OPENING. EXHAUST FAN SHALL TERMINATE THRU ROOF UNLESS OTHERWISE NOTED.



**2 HVAC PLAN**  
3/16"=1'-0"

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SHEET: **6** OF **7**



**1 SUGGESTED BLOCKING PLAN**  
3/16"=1'-0"

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SUSTAINABLE  
MODULAR

PROJECT:  
STOCK OFFICE

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**7**  
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- NOTES:
- SOIL CAPACITY IS ASSUMED TO BE 2500 PSF (FIELD VERIFY).
  - IF SOIL CAPACITY IS 2000#, THEN SPACING CAN BE NO GREATER THAN 5'-0" O.C. ADDITIONALLY, MIN. ONE PIER SHOULD BE ADDED @ COLUMN LOCATIONS GREATER THAN 3,555#s.
  - PIER SPACING BASED ON SINGLE STACKED (DBL. STACK IF GREATER THAN 36" HIGH) 8"x8"x16" CMU BLOCKS OR STEEL PIER ON 16"x16" PADS.
  - BLOCKS ADDED EACH SIDE OF EXT. DOORS (TYP.)
  - IF THE ROOF SNOW LOAD IS 20 PSF THE PIERS CAN BE SPACED AT 7'-0" O.C.
  - IF THE ROOF SNOW LOAD IS 30 PSF THE PIERS CAN BE SPACED AT 6'-6" O.C.