

| | | | |
|--------------|---|----------------------------------|--|
| From/Return: | John Morris, Contracts and Project Coordinator, Alachua County Parks and Open Space | | |
| Date: | February 23 rd , 2022 | | |
| Phone #: | 352-548-1219 | E-Mail: jmorris@alachuacounty.us | |

REQUEST FOR QUOTATION (RFQ)

Summary of Work: Site work, permitting, septic system and coordination of delivery and connection of a pre-cast restroom building provided by Leesburg Concrete based on attached documents.

Location: Santa Fe Lake Park, 24500 NE SR 26, Melrose, FL 32666

Deadline:

Please return this Request for Quote Form via email with a Lump Sum Price by **2:00 pm, Monday March 9th, 2022**. Also, review the below insurance requirements and submit them with you RFQ. If you have any additional questions, please do not hesitate to call or email me.

Scope of Work:**Lump Sum/Unit Pricing:**

| ITEM NO. | DESCRIPTION | EST QUANTITY | UNIT | AMOUNT QUOTE |
|-----------------------|----------------|--------------|------|--------------|
| 1 | Work per plans | 1 | LS | \$ 41,250.00 |
| | | | | |
| | | | | |
| LUMP SUM TOTAL | | | | |

NOTE: This for is for LUMP SUM COST of the entire project, unit prices are to establish pricing if additional work is required above or beyond the Lump Sum Base Price.

| | | | | |
|--------------|--|---|--------------|--------|
| Vendor Name: | DeWitt Gibbs | | Date: | 3/9/22 |
| Company: | Bliss Products and Services, Inc. | | | |
| Phone #: | 904-219-7760 | eMail: dewitt@blissproducts.com | | |
| Signature: | <i>DeWitt Gibbs</i> | Print Name: | DeWitt Gibbs | |

**TYPE “A” INSURANCE REQUIREMENTS
“ARTISAN CONTRACTORS / SERVICE CONTACTS”**

The Contractor shall procure and maintain for the duration of this contract insurance against claims for injuries to persons or damages to property, which may arise from or in connection with the performance of the work hereunder by the contractor/vendor, his agents, representatives, employees or subcontractors.

COMMERCIAL GENERAL LIABILITY

Coverage must be afforded under a per occurrence form policy for limits not less than \$1,000,000 General Aggregate, \$1,000,000 Products / Completed Operations Aggregate, \$1,000,000 Personal and Advertising Injury Liability, \$1,000,000 each Occurrence, \$50,000 Fire Damage Liability and \$5,000 Medical Expense.

AUTOMOBILE LIABILITY

Coverage must be afforded including coverage for all Owned vehicles, Hired and Non-Owned vehicles for Bodily Injury and Property Damage of not less than \$1,000,000 combined single limit each accident.

WORKERS COMPENSATION AND EMPLOYER’S LIABILITY

Coverage to apply for all employees at STATUTORY Limits in compliance with applicable state and federal laws; if any operations are to be undertaken on or about navigable waters, coverage must be included for the USA Longshoremen & Harbor Workers Act.

Employer’s Liability limits for not less than \$100,000 each accident; \$500,000 disease policy limit and \$100,000 disease each employee must be included.

BUILDER’S RISK / INSTALLATION FLOATERS (when applicable)

When this contract or agreement includes the construction of and/or the addition to a permanent structure or building; including the installation of machinery and/or equipment, the following insurance coverage must be afforded:

Coverage Form: Completed Value, All Risk in an amount equal to 100% of the value upon completion or value of equipment to be installed.

When applicable: Waiver of Occupancy Clause or Cessation of Insurance clause. Flood Insurance as available under the National Flood Insurance Program.

EMPLOYEE FIDELITY COVERAGE (only applicable to vendors who’s employees handle funds)

Employee Dishonesty coverage must be afforded for not less than \$500,000 Blanket all employees ISO Form

OTHER INSURANCE PROVISIONS

The policies are to contain, or be endorsed to contain, the following provisions:

I Commercial General Liability and Automobile Liability Coverages

a. The Alachua County Board of County Commissioners, its officials, employees and volunteers are to be covered as an Additional Insured as respects: Liability arising out of activities performed by or on behalf of the Contractor/Vendor; to include Products and/or Completed Operations of the Contractor/Vendor; Automobiles owned, leased, hired or borrowed by the Contractor.

b. The Contractor's insurance coverage shall be considered primary insurance as respects the County, its officials, employees and volunteers. Any insurance or self-insurance maintained by the County, its officials, employees or volunteers shall be excess of Contractor/Vendor's insurance and shall be non-contributory.

II All Coverages

The Contractor/Vendor shall provide a Certificate of Insurance to the County with a Thirty (30) day notice of cancellation. The certificate shall indicate if cover is provided under a "claims made" or "per occurrence" form. If any cover is provided under claims made form the certificate will show a retroactive date, which should be the same date of the contract (original if contract is renewed) or prior.

SUBCONTRACTORS

The Contractor/Vendor shall be responsible for all subcontractors working on their behalf as a condition of this agreement. All subcontractors of the Contractor/Vendor shall be subject to the same coverage requirements stated herein.

CERTIFICATE HOLDER: Alachua County Board of County Commissioners

MAIL, EMAIL or FAX CERTIFICATES

22'-6"x 21'-5"x 8'-0" RESTROOM 6 USER CUSTOM DRAWINGS - FIELD ASSEMBLY

CUSTOMER:

MANUFACTURER: **LEESBURG CONCRETE COMPANY INCORPORATED**
1335 THOMAS AVE, LEESBURG FL 34748
1-800-882-4177 Fax: 352-787-7935

LEGEND

LAST PACKET REVISION: 9/9/21



DENOTES SECTION OR ELEVATION NO.



DENOTES SHEET NO.



DENOTES CONNECTION NO.



DENOTES DETAIL NO.

REINFORCEMENT TO BE 1½" CLEAR FROM ALL PERIMETER EDGES AND IN CENTER OF PANEL THICKNESS

ABBREVIATIONS

P.D. = PANEL DIMENSION
R.O. = ROUGH OPENING
M.O. = MASONRY OPENING
B.I.F. = BOTTOM IN FORM
T.I.F. = TOP IN FORM
TYP. = TYPICAL

BAR MARKS

EXAMPLE: 41206 (#4 12'-6")

GENERAL NOTES

- SIGNED AND SEALED PLANS TO BE APPROVED BY FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
- PLAN REVIEW INSPECTION REQUIRED BY CHAPTER 633 F.S. SHALL BE DONE ON SITE BY LOCAL FORE SAFETY INSPECTOR
- FL PRODUCT APPROVAL:
3.1 DOORS: FL 14482-R7
- REINFORCEMENT TO BE 1-1/2" CLEAR FROM ALL PERIMETER EDGES AND IN CENTER OF THICKNESS UNLESS SHOWN OTHERWISE
- WELDED WIRE FABRIC MAY BE SUBSTITUTED FOR REBAR MAT

SITE INSTALLED ITEMS (NOT BY LCCI)

- FOUNDATION SYSTEM
- MECHANICAL, ELECTRICAL SYSTEMS.
- FIRE ALARM SYSTEMS
- GUTTERS AND DOWNSPOUTS

REINFORCEMENT TO BE 1-1/2" CLEAR FROM ALL PERIMETER EDGES AND IN CENTER OF PANEL THICKNESS

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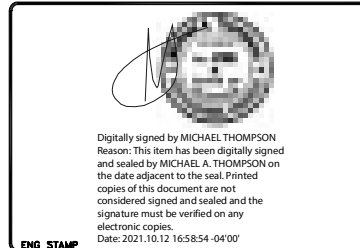
DESIGN NOTES

- CODE/STANDARD REQUIREMENTS
 - 2020 FLORIDA BUILDING CODE 7th EDITION
 - 2020 FLORIDA BUILDING CODE 7th EDITION-2021 SUPPLEMENT
 - 2020 ACCESSIBILITY CODE (FLORIDA 7th EDITION)
 - 2020 MECHANICAL, PLUMBING CODE
 - 2020 FLORIDA FIRE PREVENTION CODE
 - 2017 NEC
 - ASCE 7-16
 - ACI 318-14
 - PCI 8TH ED
 - STEEL CONSTRUCTION MANUAL
 - FLORIDA ENERGY CONSERVATION C 101,4,2 AND C 101,4,3
 - FBC 101,4,9; 105,3,7; 458; (402,1,1 TO THE ENERGY CODE)
- LOADS
 - ROOF LIVE LOAD: 60 PSF
 - WIND LOADING 143 MPH(ASD)/ 185 MPH (ULTIMATE)
 - SEISMIC DESIGN CATEGORY A
- WIND DESIGN CRITERIA
 - RISK CATEGORY III
 - EXPOSURE CATEGORY C
- MATERIALS
 - CONCRETE
 - RELEASE= 2,500 PSI
 - 28 DAY= 5,000 PSI
 - REBAR: ASTM A615, GRADE 60
 - WELDED WIRE FABRIC: GRADE 60 ASTM A185 (WWR W4 X W4- 3"x3" GRID SPACING)
 - UTILITY
 - CONSTRUCTION TYPE II-B

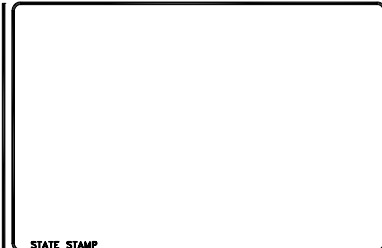
| SHEET INDEX | |
|-------------------|-----------------------------|
| ASSEMBLY DRAWINGS | |
| Sheet Number | Sheet Title |
| CVR | COVERSHEET |
| A1.00 | NOTES |
| A1.01 | |
| A2.01 | ELEVATIONS |
| A3.01 | FLOOR PLAN |
| A3.02 | ROOF PLAN |
| A4.01 | SECTIONS & DETAILS |
| E1.01 | ELECTRICAL PLAN |
| E1.02 | ELECTRICAL DETAILS |
| P1.01 | PLUMBING PLAN & SECTIONS |
| P1.02 | PLUMBING DETAILS |
| P1.02 | FIXTURE DETAILS |
| A5.01 | WELDED CONNECTIONS |
| A5.02 | WELDED CONNECTIONS |
| A6.01 | INSTALLATION |
| A6.02 | POST TENSIONING INSTRUCTION |
| A6.03 | POST TENSIONING DETAILS |
| A7.01 | SHIPPING DETAILS & WEIGHTS |

NOTE:

PAGES MAY BE OMITTED IF NOT NEEDED



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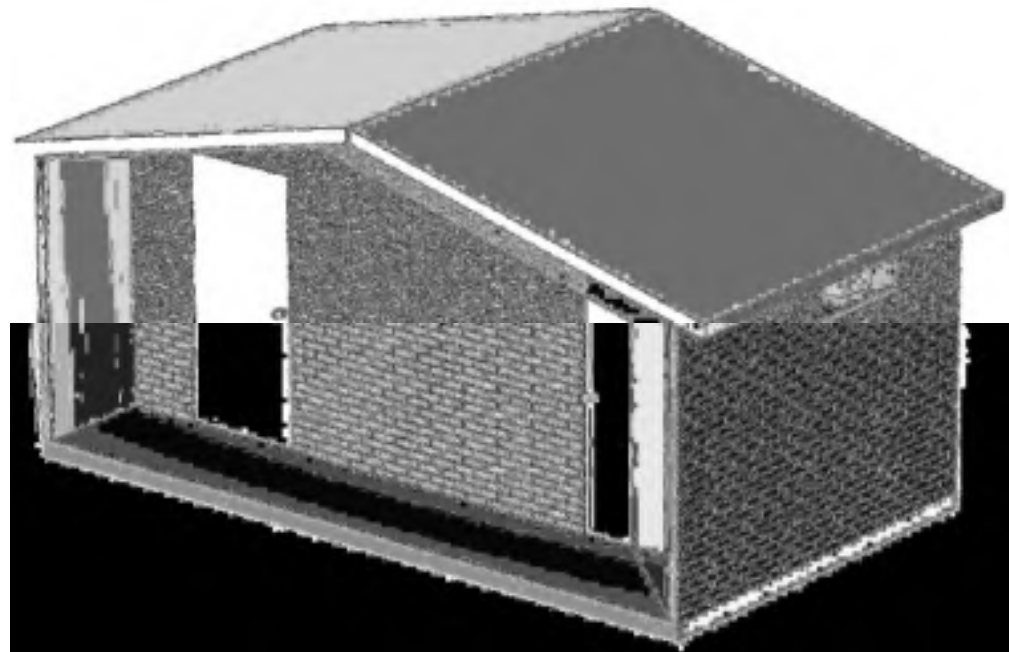
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SIX USER RESTROOM
CONTRACTOR:

| |
|------------------------------------|
| SCALE |
| DRAWN BY MCG |
| ISSUE DATE 9/9/21 |
| SHEET NUMBER/ PIECE MARK CVR |

BUILDING NOTES

1. BUILDING IS DELIVERED AND ERECTED AS A SHELL ONLY- ALL INTERIOR FINISHES, MEP, FIRE ALARMS, LOW VOLTAGE SYSTEMS AND SO FORTH ARE NOT INCLUDED WITH THE PRECAST CONCRETE SCOPE

A) DOORS AND HARDWARE - OWNER CAN SPECIFY SPECIFIC HARDWARE USED IN THE DISTRICT WHICH MEETS THE APPROPRIATE FL APPROVAL CODES



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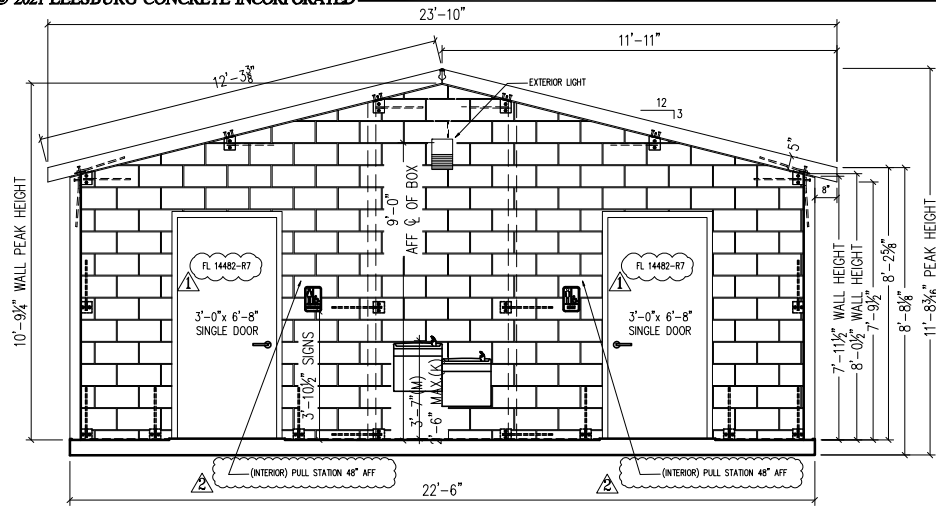
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CONTRACTOR:

SCALE

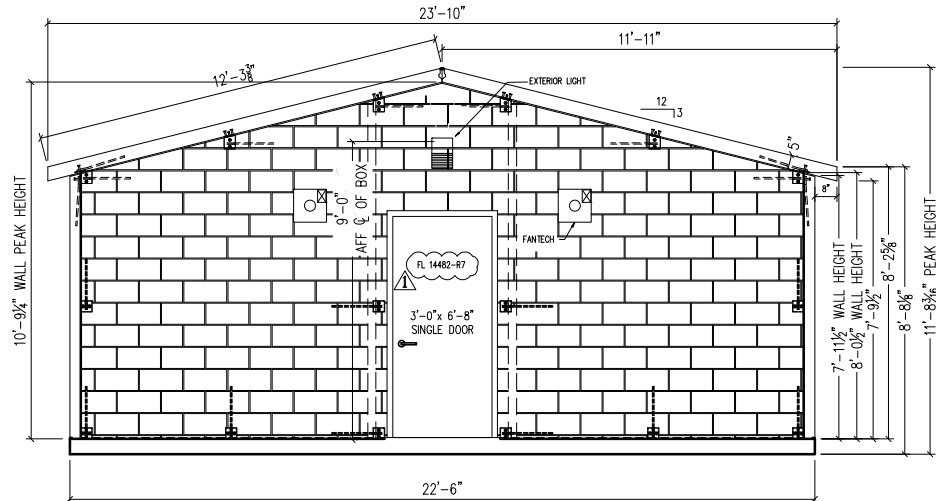
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PIECE MARK
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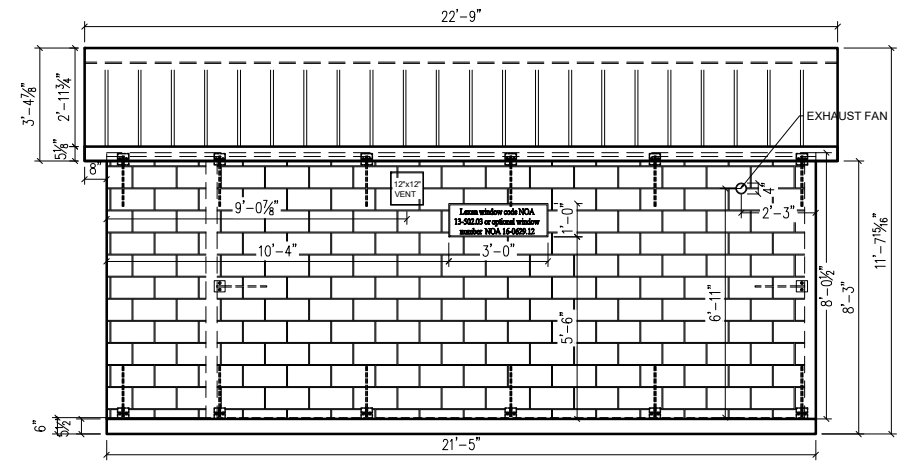


Ⓐ FRONT ELEVATION

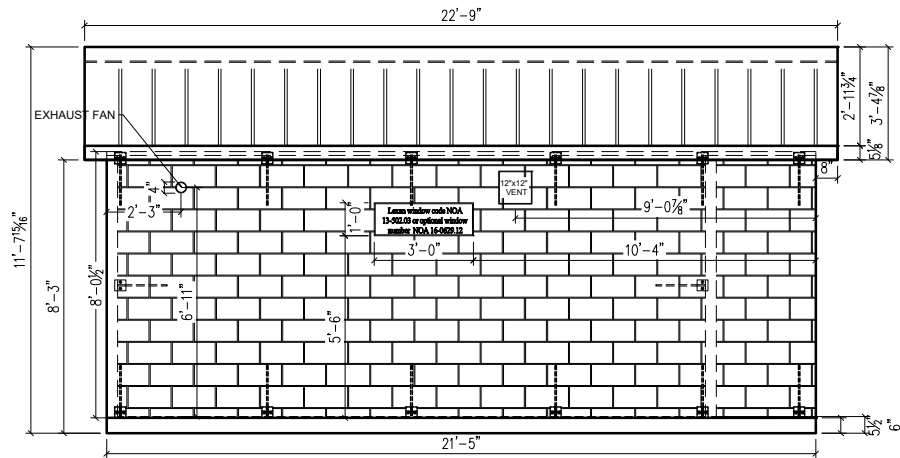


© BACK ELEVATION

NOTE:
LOXON CONDITIONER/PRIMER
BY SHERWIN WILLIAMS
A24-1100 SERIES COLOR TBD



(B) RIGHT ELEVATION



(D) LEFT ELEVATION

NOTE:
EXTERIOR FINISH=
SPLIT FACE BLOCK
ROOF- STAND & SEAM



| DATE | DESCRIPTION | INI. REV. |
|---------|--------------------------------|---|
| 2/28/18 | REMOVED CODE REF. FAC61-41.004 | MCG  |
| 2/28/18 | ADDED PULL STATION NOTE | MCG  |
| | |  |
| | |  |

PROJECT: 22'-6" X 21'-5" X 8'
ELEVATION VIEWS
CONTRACTOR: LEESBURG CONCRETE INC.
LEESBURG, VT

SCALE
AS NOTED

DRAWN BY
MCG

ISSUE DATE
9/9/21

**SHEET NUMBER/
PIECE MARK**
A2.01



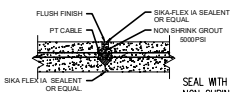
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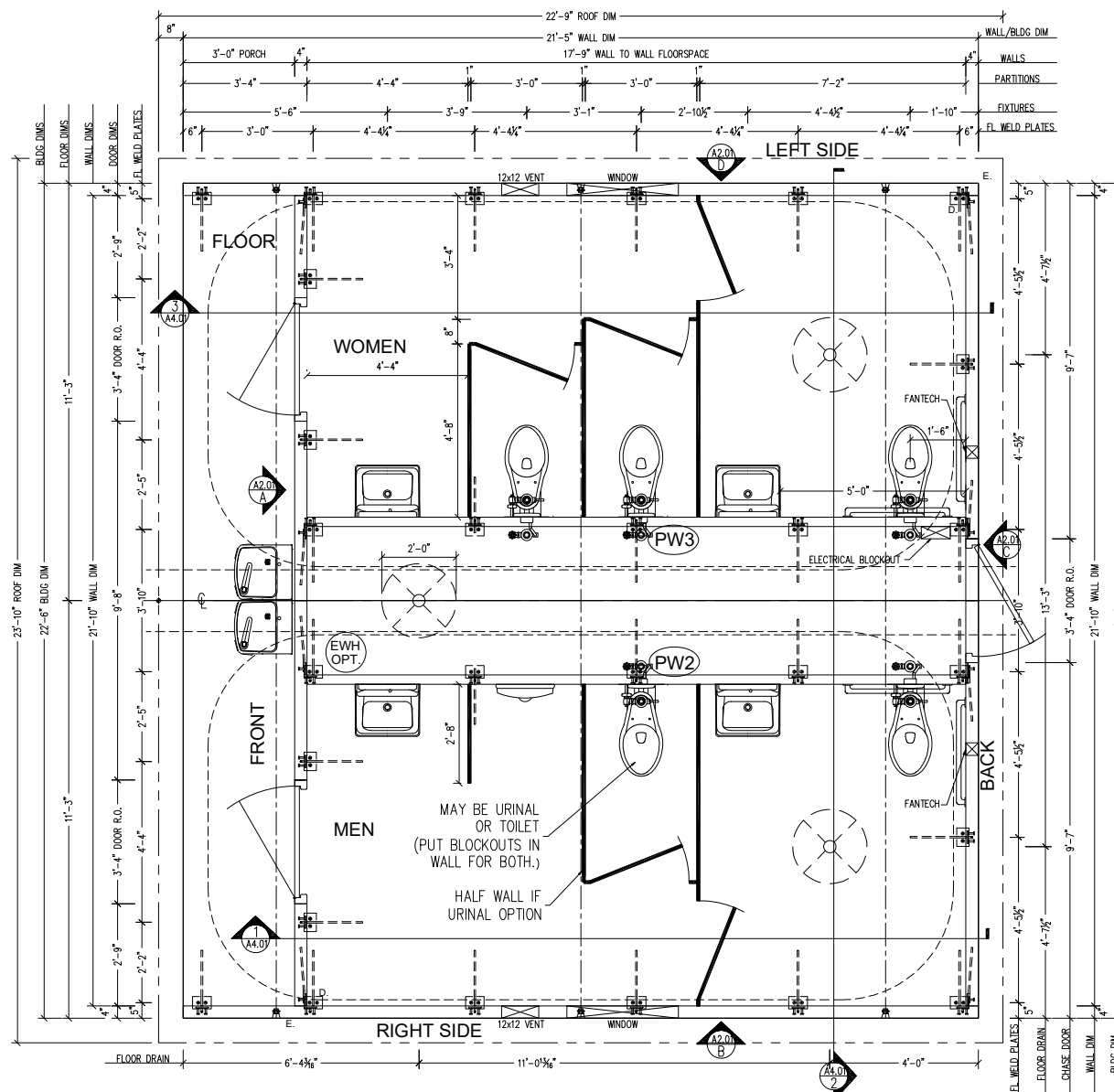
**RESTROOM DETAILS &
FIXTURE SCHEDULE SEE
PAGES P1.01 & P1.02**

ACCESS CODE - 403.5.2
PLUMBING CODE- 405.3.1
AMBULATORY ACCESS CODE
FIG 604.8.2



KEYWAY DETAIL

SEAL WITH SIKAFLEX SEALANT
NON SHRINK GROUT AFTER POST
TENSION CABLE IS PULLED THROUGH.
LEAVE 1/4" LOW



FLOOR PLAN

22'-6" W. X 21'-5" L. X 8'-0" H.
6 USER RESTROOM (ADA)

NOTES:
FL-14482-R5 STEEL CRAFT DOOR & FRAMING, PRIMUS CORES, ND 70 RESTROOM, 4" THROAT
SINGLE RABBIT, WELDED, TRIO E DOOR OUTSWING. REQUIRED 1120 LBF LATCH STRENGTH
(ND85) KEYWAY LOCK SYSTEM (TYP.) PRIMUS FULL SIZE INTERCHANGEABLE CORE PROVIDED
BY OTHERS.
PLUMBING & ELECTRICAL KNOCKOUTS INFILL & SLOPE TO DRAIN NOT BY LCCI

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PROJECT: 22'-6" x 21'-5" x 8'
SIX USER RESTROOM

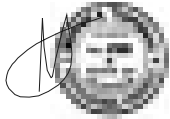
CONTRACTOR: LEESBURG CONCRETE INC
LEESBURG, FL.

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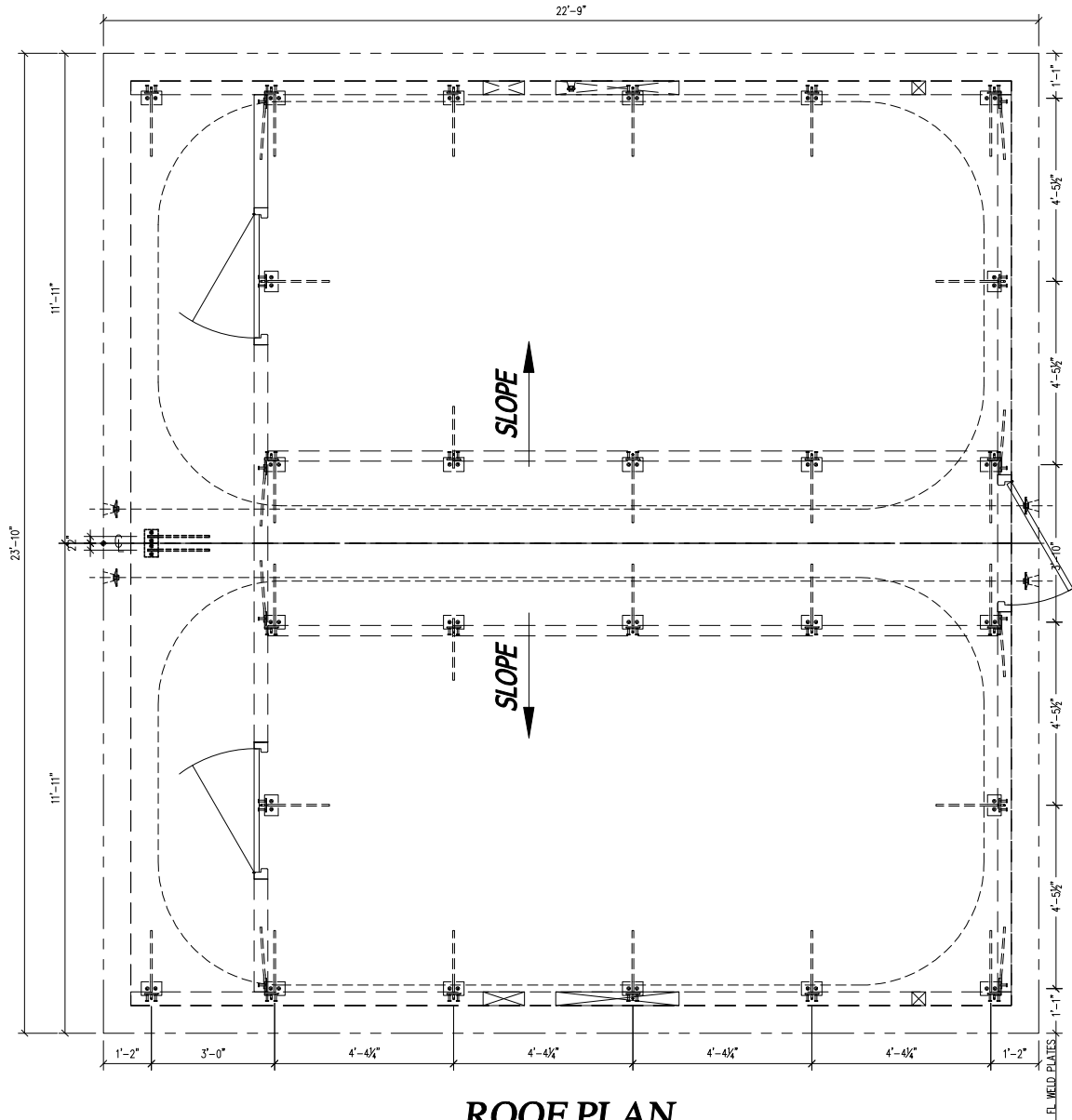
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ROOF PLAN



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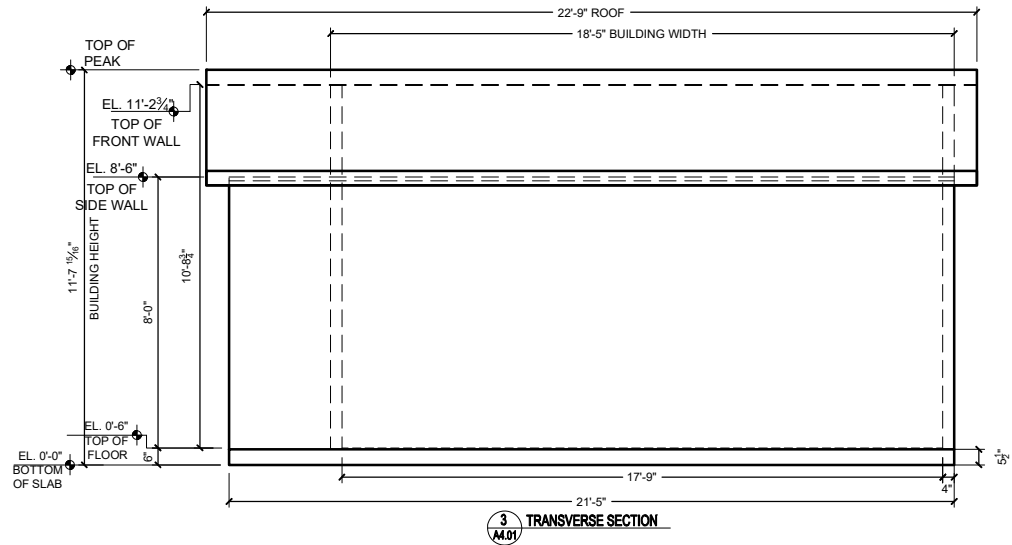
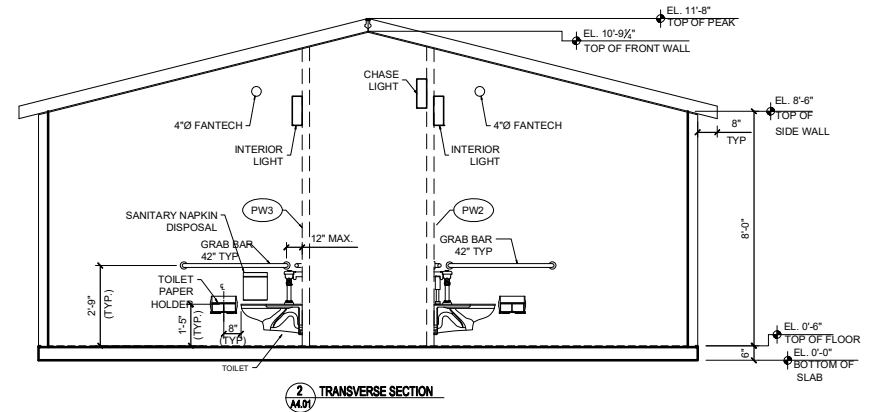
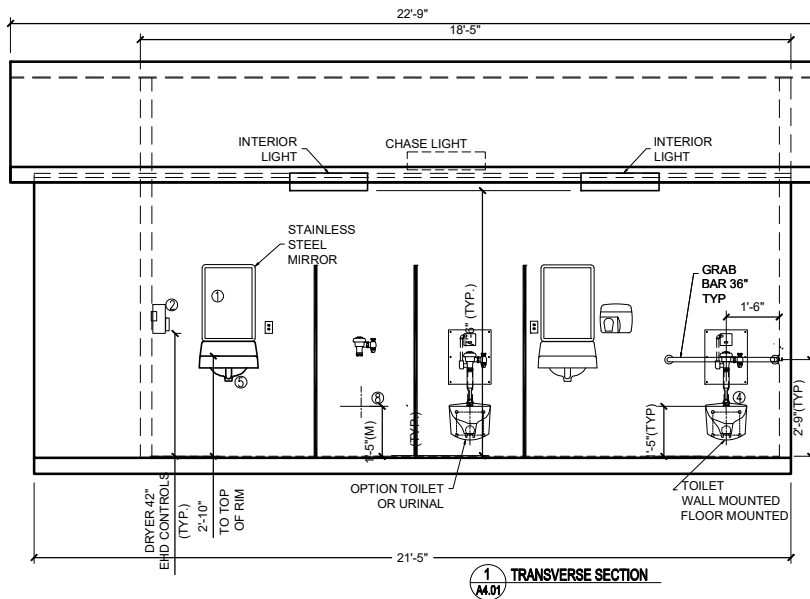
PROJECT: 22'-6" x 21'-5" x 8'
SIX USER RESTROOM
CONTRACTOR: LEESBURG CONCRETE INC
LEESBURG, FL

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9/9/21

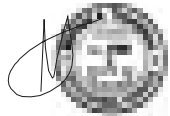
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NOTES:

1. KETCHUM SSF 1824 STAINLESS STEEL MIRROR
2. SANIFLOW E88ACS ELECTRIC HAND DRYER (HEAT ELEMENT TO BE REMOVED)
3. GRAB BARS - 42" & 36" IN EACH TOILET ROOM
4. AMERICAN STANDARD 3690.001, OR 3695.128 W/SLOAN ROYAL 110 FLUSH VALVE
5. KOHLER K-2812 WALL-MOUNT LAVATORY (HC SCALD GUARD COVERS) DIMENSIONED FROM FINISH FLOOR TO TOP RIME OF LAVATORY.
6. SOAP DISPENSER, PAPER TOWEL DISPENSER, TOILET PAPER HOLDER, & SANITARY NAPKIN DISPOSAL BY OTHERS
7. AMERICAN STANDARD WALL HUNG URINAL
8. FIRE ALARMS, EMERGENCY LIGHTING AND FIRE EXTINGUISHERS AND LOCATIONS ARE BY OWNER

ACCESSIBLE ELEMENTS / FIXTURES INSTALLATION MEASUREMENTS MAY VARY DUE END USE REQUIREMENT BUY MUST COMPLY WITH 2017 6TH EDITION FLORIDA CODE REFERENCE FBC ACCESSIBILITY 104.1. SEE P1.03 FOR DETAILS



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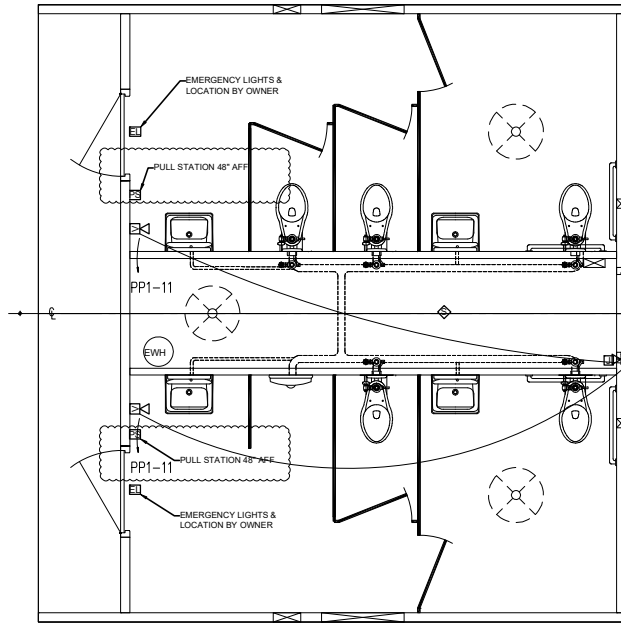
PROJECT: 22'-6" x 21'-5" x 8'
SIX USER RESTROOM
CONTRACTOR: LEESBURG CONCRETE INC
LEESBURG, FL

SCALE
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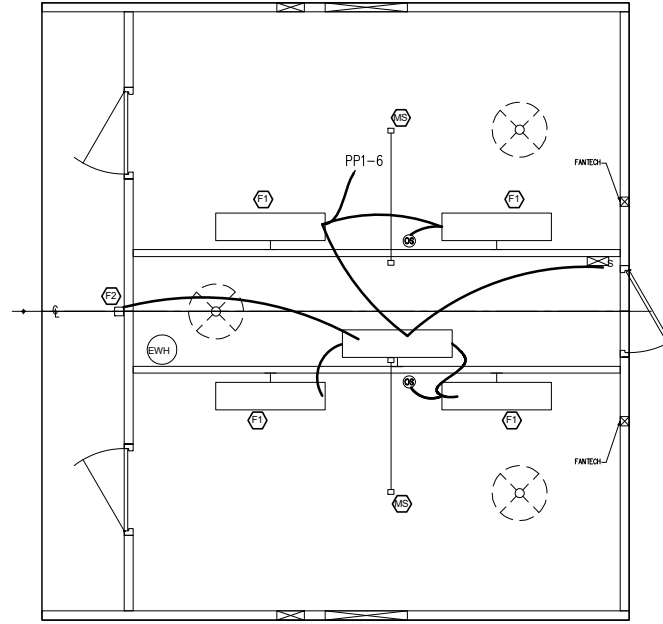
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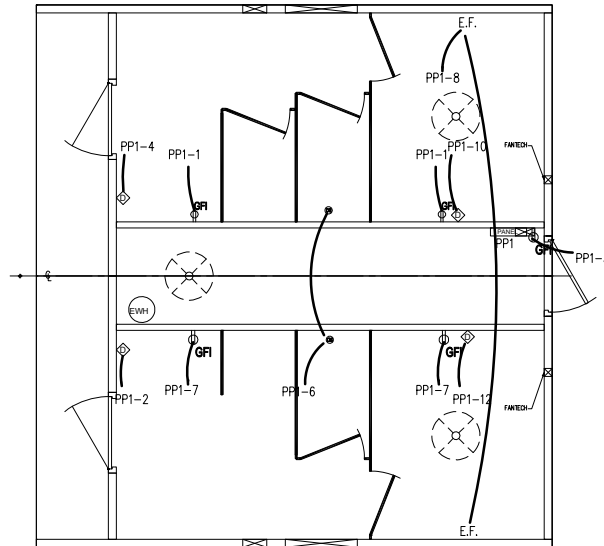
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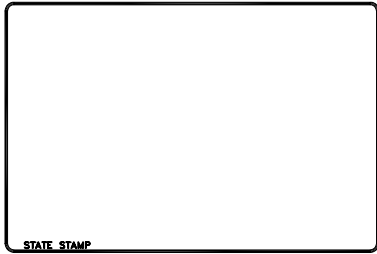
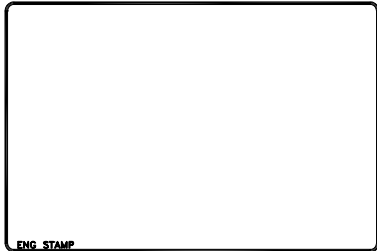
FIRE ALARM NOTIFICATION PLAN



LIGHTING PLAN



POWER PLAN



| DATE | DESCRIPTION | INT. | REV. |
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| | | | |

PROJECT: 22'-6" x 21'-5" x 8'
SIX USER RESTROOM
CONTRACTOR: LEESBURG CONCRETE INC
LEESBURG, FL

SCALE
AS NOTED

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ISSUE DATE
9/9/21

SHEET NUMBER/
PIECE MARK
E1.01

EQUIPMENT CONNECTION SCHEDULE

| LABEL | DESCRIPTION | H.P. (FLA) | CIRCUIT | LOCATION | VOLTAGE / PHASE | WIRE AND CONDUIT | STARTER | | | | | DISCONNECT | | | | NOTE | |
|-------|--------------|---------------|--------------|------------|--------------------|--------------------------------|---------|-------------|----|------|----------------|------------|---------|------|----------------|------|--------------------|
| | | | | | | | TYPE | NEM SIZE | BY | LOC. | NEM A ENCL. | AUX. | BY | LOC. | NEM A ENCL. | | SWIT CH SIZE |
| D | HAND DRYER | 16 FLA | 2, 4 | BATHROOM | 120V/1PH | (1) 3/4" C, (2) #12, (1) #12G | - | - | - | - | - | - | - | - | - | - | |
| HVAC | HVAC | TBD | SEE DRAWINGS | EXTERIOR | 120V/1PH | (1) 1/2" c, (2) #12, (1) #12 G | - | - | - | - | - | - | - | - | - | - | |
| WC | WATER COOLER | TBD | 5 | CLASSROOM | 120V/1PH | (1) 1/2" c, (2) #12, (1) #12 G | - | - | - | - | - | - | - | - | - | - | |
| WH | WATER HEATER | 2.5 KW | 9 | UTILITY RM | 120V/1PH | (1) 1/2" c, (2) #12, (1) #12 G | - | - | - | - | - | - | - | - | - | - | |
| EF | EXHAUST FAN | 1/4 HP | 8 | BATHROOMS | 120V/1PH | (1) 3/4" C, (2) #12, (1) #12G | - | - | - | - | - | - | MF G | UNIT | 1 | NA | |

NOTES:
1 - MAKE CONNECTION TO MOTOR.
2 - INSTALL MOTOR STARTER FURNISHED BY MANUFACTURER.
3 - MAKE CONNECTIONS TO CONTROLS.
4 - FIELD CONTROL WIRING TO BUILDING AUTOMATION SYSTEM.
5 - RUN FEED THRU CONTRACTOR CONTROL FROM FAN SHUTDOWN RELAY.
6 - FURNISH & INSTALL DUCT SMOKE DETECTORS.
7 - PROVIDE G.F.I. OUTLET AT UNIT. CIRCUIT TO NEAREST 120V CIRCUIT.
8 - WIRE THRU T-STAT THEN TO MOTOR.

STARTER AUX:
A - START-STOP IN COVER.
B - HAND-OFF-AUTO IN COVER.
C - PILOT LIGHT IN COVER.
D - AUXILIARY CONTACTS.
E - CONTROL CIRCUIT TRANSFORMER.
F - TWO SPEED MOTOR CONTROL.
G - KEY OPERATED - UP/DOWN OR OPEN/CLOSE.

LIGHTING LEGEND

| EQUIP TAG | SYMBOL | DESCRIPTION | MANUFACTURER | CATALOG NO. | LAMPS | | FIXTURE | |
|--------------|--------|---|------------------|--------------------|-------|---------|---------|-------------|
| | | | | | QTY | DESC. | WATT | VOLTA GE |
| E1 | | WALL MOUNTED 12"x48" LIGHT FIXTURE | COOPER: METALUX | MC-232T8A-UNV-EBT1 | 2 | 28W T8 | 60 | 120V |
| E2 | | WALL MOUNT HIGH PRESSURE SODIUM LIGHT FIXTURE | HUBBELL LIGHTING | NRG-301-PC | 2 | 50W HPS | 60 | 120V |

POWER LEGEND










| SYMBOL | DESCRIPTION |
|--------|---|
| | DUPLEX RECEPTACLE |
| | GROUND FAULT DUPLEX RECEPTACLE |
| | SINGLE POLE SWITCH |
| | OCCUPANCY SENSOR SWITCH |
| | WALL MOUNT TWO-POLE DUAL TECHNOLOGY OCCUPANCY SENSOR. ONE POLE TO OPERATE LIGHT. ONE POLE TO OPERATE EXHAUST FAN. |

WIRE LEGEND

| SYMBOL | DESCRIPTION |
|--------|-------------|
| | |

PANELBOARDS

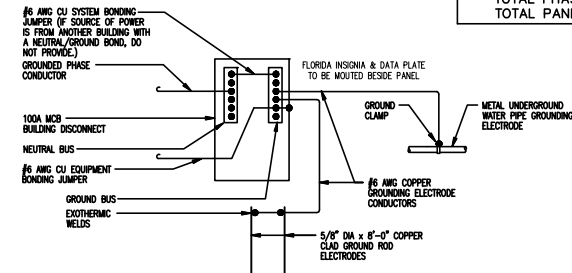
| SYMBOL | DESCRIPTION |
|--------|-----------------------------|
| | SURFACE-MOUNTED PANELBOARDS |

| PANEL DESIGNATION: <u>PP1 (LOCKABLE)</u> | | | SERVICE: <u>120/240V.1Ø, 3W</u> | | | | | |
|--|---------------|--------|---|---|--|---------------|-----------------------|------------------------|
| LOCATION: <u>ELEC / PLUMB</u> | | | MAIN: <u>100 AMP MCB</u> | | | | | |
| EQUIPMENT/AREA SERVED | CKT. BRK. AMP | CKT. # | PHASE LOAD VOLT-AMPS | | CKT. # | CKT. BRK. AMP | EQUIPMENT/AREA SERVED | |
| | | | A | B | | | | |
| WOMENS ROOM RECEPTACLE | 20 | 1 | 360 | 1920 |  | 2 | 20 | MENS ROOM HAND DRYER |
| CHASE RECEPTACLE GFI | 20 | 3 |  |  | | 4 | 20 | WOMENS ROOM HAND DRYER |
| WATER COOLER RECEPTACLE GFI OPTIONAL | 20 | 5 | 372 | 240 |  | 6 | 20 | LIGHTS |
| MENS ROOM RECEPTACLE | 20 | 7 |  |  | | 8 | 20 | EXHAUST FANS |
| WATER HEATER | 30 | 9 | 2500 | 1920 |  | 10 | 20 | HAND DRYER |
| FIRE SUPPRESSION SYSTEM | 20 | 11 |  |  | | 12 | 20 | HAND DRYER |
| TOTAL PHASE LOAD: | | | 7312 | | 6480 | | 13792 / 240V | |
| TOTAL PANEL LOAD: | | | | | PANEL AMPS | | 57.47 | |

SPECIFICATIONS

- ALL WORK IS TO BE COMPLETED IN ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODE, NFPA 70 - THE NATIONAL ELECTRICAL CODE (NEC) 2017.
- WIRING SHALL BE IN CONDUIT, MINIMUM SIZE 1/2" OR AS REQUIRED FOR CONDUCTOR NUMBER AND SIZE. USE ELECTRIC METALLIC TUBING, WHERE PVC CONDUIT WILL BE EXPOSED ON EXTERIOR, USE SCHEDULE 80. USE FLEXIBLE CONDUIT FOR FINAL EQUIPMENT CONNECTIONS.
- CONDUITS AND CABLE PASSING THRU FIRE RATED CONSTRUCTION SHALL NOT LESSEN THE RATING OF THE CONSTRUCTION. CONDUITS PENETRATING EXTERIOR WALLS SHALL BE COMPLETELY WATERTIGHT.
- SUPPORT CONDUIT AND CABLE DIRECTLY FROM THE BUILDING STRUCTURE AS PER NATIONAL ELECTRIC CODE (NEC) REQUIREMENTS.
- CONDUCTORS SHALL BE COPPER, MINIMUM SIZE NO. 12 AWG OR AS REQUIRED FOR CIRCUIT. COLOR CODE IN ACCORDANCE WITH THE NEC. CONDUCTOR INSULATION SHALL BE TYPE THHN/THWN.
- BOXES SHALL BE SHEET STEEL TYPE, SIZED FOR NUMBER OF CONDUCTORS, FITTINGS AND DEVICES IN ACCORDANCE WITH CODE. COORDINATE PLACEMENT OF BOXES IN AND AROUND CASEWORK, KNEE SPACES, LAVATOIRES AND OTHER EQUIPMENT TO AVOID CONFLICTS WITH MIRRORS AND OTHER APPURTENANCES, REFER TO ARCHITECTURAL DRAWINGS. LOCATE LIGHTING CONTROL SWITCHES ON STRIKE SIDE OF DOOR. FIELD VERIFY FINAL DOOR SWINGS. BOXES CAST IN CONCRETE SHALL BE CAST IN PLACE GRADE BOXES AND SHALL BE CAST FLUSH WITH THE WALL SURFACE.
- WIRING DEVICES SHALL BE 20 AMPERE, SPECIFICATION GRADE TYPE. COVERPLATES SHALL BE HIGH-IMPACT PLASTIC OR NYLON. FINAL COLOR OF WIRING DEVICES AND COVERPLATES SHALL BE APPROVED BY THE OWNER AND ARCHITECT.
- OWNER NOTIFY POWER COMPANY AND ARRANGE FOR SERVICE. LABOR AND MATERIALS NOT COVERED BY THE POWER COMPANY SHALL BE PAID BY THE OWNER.
- PANELBOARDS SHALL HAVE MAXIMUM 20" WIDE LOCKABLE CABINETS AND COPPER BUS BARS. PANELS SHALL BE FULLY RATED OR HAVE A UL LISTED SERIES CONNECTED RATING OF A MINIMUM 22,000 AIC. IF THE ACTUAL AVAILABLE FAULT CURRENT EXCEEDS THE 22,000, CONTACT ENGINEER OF RECORD IMMEDIATELY FOR DIRECTION ON HOW TO PROCEED. PANEL BOARD SHALL HAVE A MINIMUM 20% SPARE CAPACITY UPON COMPLETION OF PROJECT. OBTAIN FAULT CURRENT VERIFICATION LETTER FROM POWER COMPANY AND PROVIDE COPIES TO ARCHITECT, ENGINEER AND LOCAL AUTHORITY HAVING JURISDICTION.
- OWNER PROVIDE GROUNDING SYSTEM AS PER NEC ARTICLE 250 REQUIREMENTS.
- FLUORESCENT BALLASTS SHALL BE ELECTRONIC TYPE WITH EQUAL TO OR LESS THAN 20% THD AND A 3 YEAR WARRANTY. FLUORESCENT TS LAMPS SHALL BE 3500K.
- OWNER OBTAIN AND PAY FOR PERMITS AND INSPECTIONS REQUIRED FOR WORK.
- DRAWINGS INDICATE DESIGN BASED EQUIPMENT. VERIFY EXACT LOCATION, CHARACTERISTICS AND CONFIGURATION OF CONNECTIONS REQUIRED FOR OWNER FURNISHED EQUIPMENT AND EQUIPMENT SPECIFIED UNDER OTHER DIVISIONS. IF ALTERNATE EQUIPMENT IS USED PROVIDE PROPER OVERCURRENT PROTECTION, DEVICES AND CIRCUIT REQUIRED. EQUIVALENT EQUIPMENT TO THAT SPECIFIED MAY BE SUBSTITUTED, HOWEVER, THE CONTRACTOR SHALL MAKE ANY ADJUSTMENTS AND CHANGES REQUIRED TO ACCOMMODATE THE SUBSTITUTIONS AT NO COST TO THE OWNER. CONTRACTOR SHALL GUARANTEE EQUIVALENCE OF SUBSTITUTED EQUIPMENT.
- PROVIDE SHOP DRAWINGS, OPERATIONS AND MAINTENANCE MANUALS AND MAINTAIN RECORD DRAWINGS PER THE REQUIREMENTS OF THE ARCHITECT.

NOTE: ELECTRICAL SERVICE NOT BY LCCI



1
E-02 SERVICE GROUNDING DETAIL
GROUNDING & FINAL CONNECTIONS BY OTHERS

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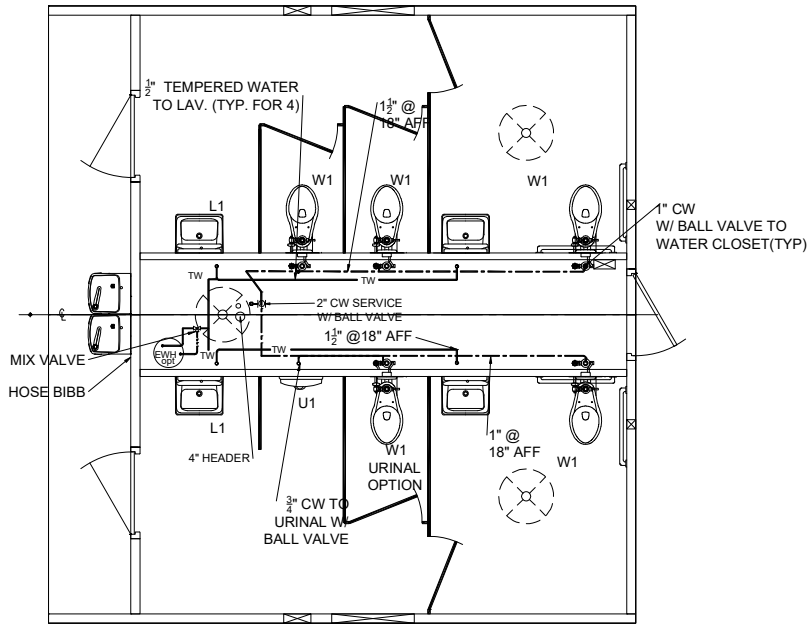
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SIX USER RESTROOM
CONTRACTOR: LEESBURG CONCRETE INC
LEESBURG, FL

SCALE
AS NOTED

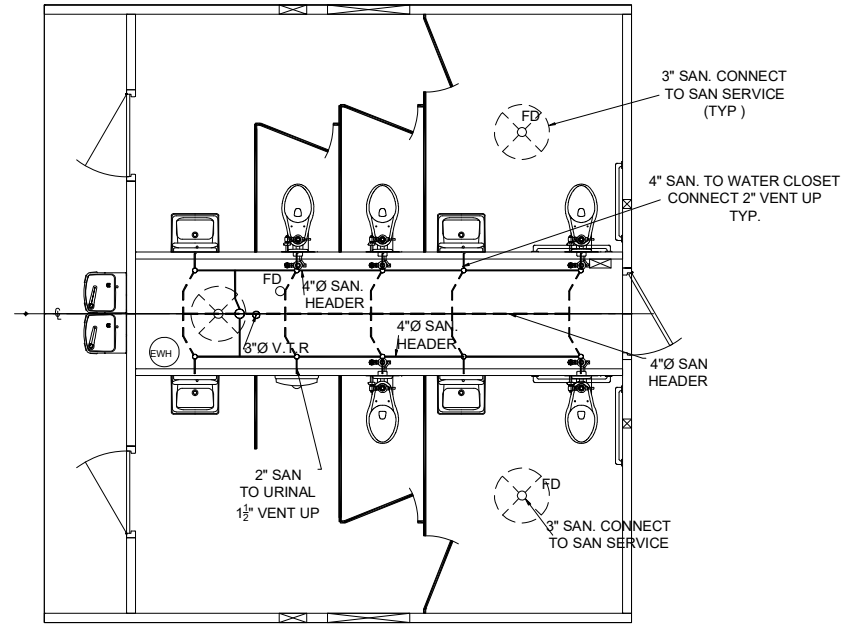
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MCG

ISSUE DATE
9/9/21

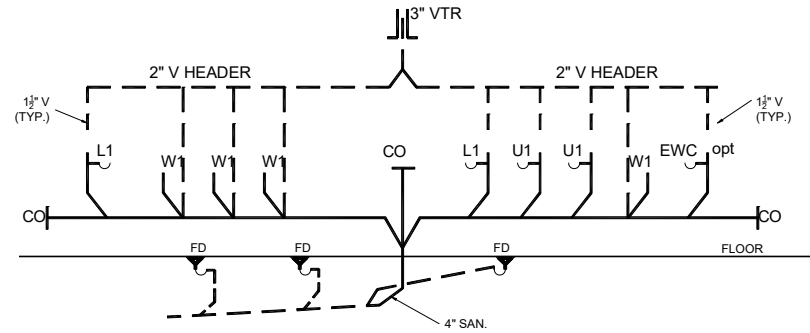
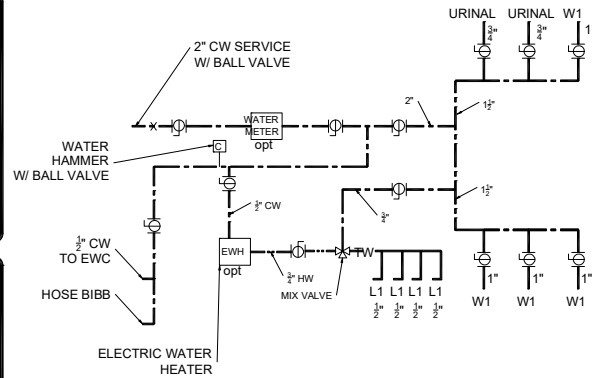
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PIECE MARK
E1.02



WATER PLAN



SANITARY PLAN



PLUMBING DETAILS

SOME FIXTURES AND ACCESSORIES MAY BE OPTIONAL AND NOT BY LCCI



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PROJECT: 22' - 6" x 21' - 5" x 8'
SIX USER RESTROOM
CONTRACTOR: LEESBURG CONCRETE INC
LEESBURG, FL

SCALE
AS NOTED

DRAWN BY
MCG

ISSUE DATE
9/9/21

SHEET NUMBER/
PIECE MARK
P1.01

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PLUMBING SPECIFICATIONS

1. GENERAL

1.1 DESCRIPTION OF WORK:

- A. ALL FIXTURES, EQUIPMENT, ACCESSORIES, MATERIALS, AND LABOR REQUIRED TO PROVIDE COMPLETE, COORDINATED, AND FULLY FUNCTIONAL PLUMBING SYSTEMS GENERALLY AS INDICATED ON THE DRAWINGS AND AS SPECIFIED HEREIN.
1. SANITARY SEWER/VENT
 2. DOMESTIC WATER

1.2 RELATED DOCUMENTS:

- A. THE REQUIREMENTS OF THE CIVIL, ARCHITECTURAL, STRUCTURAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS SHALL APPLY TO AND BE CONSIDERED A PART OF THE PLUMBING WORK IN-SO-FAR AS THEY APPLY TO THE PLUMBING WORK AND ARE REQUIRED FOR COORDINATION.

1.3 JOB CONDITIONS:

- A. DUE TO THE SMALL SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS AND ACCESSORIES WHICH MAY BE REQUIRED TO PROVIDE A COMPLETE INSTALLATION OF THE WORK DESCRIBED AND INDICATED.

- B. PROVIDE FITTINGS, OFFSETS, TRANSITIONS, AND ACCESSORIES REQUIRED TO MEET CONDITIONS OF THE PROJECT.

- C. PROVIDE SERVICE ACCESS FOR EQUIPMENT, CONTROL COMPONENTS, VALVES, AND SPECIALTIES.

- D. PROVIDE ACCESS PANELS FOR VALVES, ACCESS DOORS, ETC. CONCEALED BEHIND FINISHED SURFACES.

1.4 CONFORMANCE TO REGULATIONS:

- A. WORK SHALL CONFORM WITH THE CURRENT FLORIDA STATE REQ. FOR EDUCATION FACILITIES

1.5 QUALITY ASSURANCE:

- A. COMPLY WITH MANUFACTURER'S REQUIREMENTS AND NOTES AND DETAILS SHOWN HEREIN FOR INSTALLATION OF EQUIPMENT.

1.6 MATERIALS AND EQUIPMENT:

- A. EQUIPMENT PROVIDED FOR THIS PROJECT SHALL BE EQUIVALENT TO PRODUCTS SPECIFIED.

- B. CONTRACTOR SHALL GUARANTEE EQUIVALENCE AND IS RESPONSIBLE FOR MODIFICATIONS REQUIRED AND COORDINATION WITH OTHER TRADES TO FIT SUBSTITUTED PRODUCT INTO THE PROJECT.

- C. MATERIALS AND EQUIPMENT OF THE SAME TYPE AND USE SHALL BE FROM A SINGLE MANUFACTURER.

- D. PROTECT STORED MATERIALS AND EQUIPMENT FROM WEATHER.

1.7 UTILITIES AND CONNECTIONS:

- A. OWNER WILL PAY FOR ALL WATER AND SEWER UTILITY CONNECTION FEES.

- B. COORDINATE CONNECTIONS WITH SITE UTILITY DRAWINGS. WORK TO LOCATIONS AND INVERTS INDICATED ON SITE DRAWINGS. PROVIDE TRANSITIONS IN SIZE AND MATERIAL AT POINT OF CONNECTION.

1.8 SUBMITTALS:

- A. SUBMIT SHOP DRAWINGS AND PRODUCT DATA FOR FIXTURES AND EQUIPMENT SPECIFIED HEREIN AND ON THE DRAWINGS. SHOP DRAWINGS AND PRODUCT DATA SHALL BE IDENTIFIED PER INDICATIONS ON DRAWINGS, SHALL BE MARKED TO INDICATED SPECIFIC ITEM BE PROPOSED, AND SHALL BE ORGANIZED IN AN ORDERLY MANNER. SUBMIT SHOP DRAWINGS ELECTRONICALLY IN PDF FORMAT.

- B. SUBMIT OPERATING AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT INSTALLED IN THIS PROJECT. INCLUDE COPIES OF SPECIFIC EQUIPMENT WARRANTIES IN MANUAL.

1.9 PROJECT CLOSEOUT:

- A. REPLACE OR REPAIR DAMAGED EQUIPMENT AND CLEAN ALL EXPOSED SURFACES.

- B. TOUCH-UP SHOP APPLIED FINISHES TO RESTORE DAMAGED OR SOILED AREAS.

- C. INSTRUCT OWNER'S REPRESENTATIVE IN OPERATION AND MAINTENANCE OF EQUIPMENT.

2. PRODUCTS

2.1 PIPING SYSTEMS:

- A. DOMESTIC WATER PIPING - COPPER TYPE "L" SOLDERED FITTINGS
- B. SANITARY DRAINAGE - SCHEDULE 40 PVC WITH SOLVENT WELD FITTINGS.
- C. VENT PIPING - SCHEDULE 40 PVC W/ SOLVENT WELD FITTINGS.

LEGEND

| | |
|--|----------------------|
| | SOIL OR WASTE PIPING |
| | VENT PIPING |
| | COLD WATER PIPING |
| | HOT WATER PIPING |
| | TEMPERED WATER |
| | BALL OR GATE VALVE |
| | CHECK VALVE |
| | DROP IN PIPING |
| | SHOCK ARRESTOR |

ABBREVIATIONS

| | |
|-----|-----------------------|
| AFG | ABOVE FINISHED GRADE |
| VTR | VENT THRU ROOF |
| EWB | ELECTRIC WATER HEATER |
| CW | COLD WATER |
| HW | HOT WATER |
| TW | TEMPERED WATER |
| DN | DOWN |
| WC | WATER CLOSET |
| UR | URINAL |
| LAV | LAVATORY |
| FD | FLOOR DRAIN |

PLUMBING FIXTURE SCHEDULE

| NO. | DESCRIPTION | W | V | CW | 7W | MFR. MODEL | | ACCESS. | NTS |
|------|------------------------------------|-----|-----|-----|-----|---|--------------------|----------------------------------|-------|
| | | | | | | FIXTURE | FITTINGS | | |
| WI | ACCESSIBLE FLUSH VALVE WATER CLOS. | 3 | 1.5 | 1 | --- | AMERICAN STANDARD WHEEL CHAIR ACCESSIBLE 3695.12B 17" HEIGHT (WALL MOUNT) 3690.01 17" HEIGHT (FLOOR MOUNT) | | ROYAL FLUSH 111 | 1,2 |
| L1 | ACCESSIBLE WALL HUNG LAVATORY | 1.5 | 1.5 | --- | 1/2 | KOHLER K-2812 | | MVP FAUCETS 807-665PSHABCP | 1,2,3 |
| SA | WATER HAMMER ARRESTOR | --- | --- | X | --- | WADE SHOKSTOPS | | | |
| FD | FLOOR DRAIN | 3 | 1.5 | --- | --- | WADE 1103STD6-27 | | TRAP PRIMER ON SITE BY OTHERS | |
| EWC | ELEC. WATER COOLER | --- | --- | 1/2 | 1/2 | OASIS P8ACSL | | OPTIONAL | |
| EWB | ELEC. WATER HEATER | --- | --- | 3/4 | 3/4 | A.O. SMITH EJCS-20 | 2500 WATTS 120V | OPTIONAL | |
| BIBB | KEYED HANDLE HOSE BIBB | 1/2 | 1/2 | 3/4 | --- | AMERICAN STANDARD 6561.017 | | ROYAL FLUSH 186 | 1,2 |
| | | | | | | | | | |

NOTES:

1. INSTALL FIXTURES IN ACCORDANCE WITH APPLICABLE STANDARDS.
2. PROVIDE PROPER ACCESSORIES FOR WALL THICKNESS & CONSTRUCTION.
3. INSTANT HOT ELECTRIC WATER HEATER IS OPTIONAL IF USED, PROVIDE TEMPERING VALVE
4. SIZE PER MANUFACTURER'S RECOMMENDATIONS FOR NUMBER OF FIXTURES SERVED.
5. WATER HEATER IS TO BE INSTALLED ON SITE BY OTHERS
6. TRAP PRIMER IS TO BE INSTALLED ON SITE BY OTHERS TRAP PRIMER ROUGH IN TO FLOOR DRAIN PROVIDED AT SITE PREPARATION.
REFERENCE : FPC 1002.4.1 TRAP SEALS

(309.4) FAUCET NO MORE THAN 5LBS. FORCE TO OPERATE

ENG. STAMP

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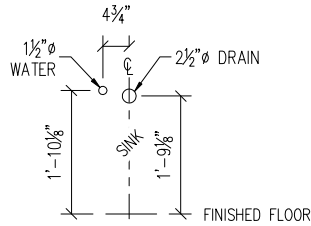


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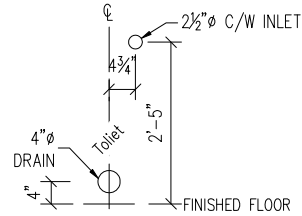
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SIX USER RESTROOM

CONTRACTOR: LEESBURG CONCRETE INC
LEESBURG, FL

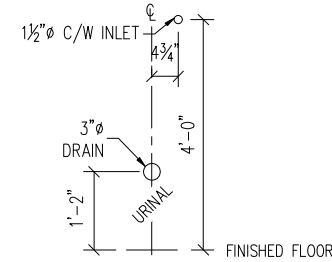
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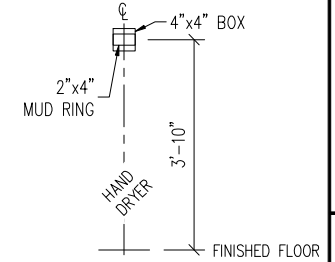
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(MENS & WOMEN)**
AS VIEW FROM CHASE SIDE



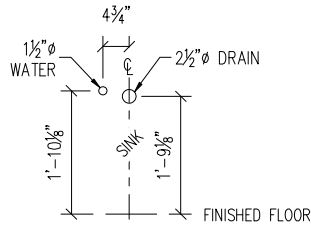
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(MENS & WOMEN)**
AS VIEW FROM CHASE SIDE



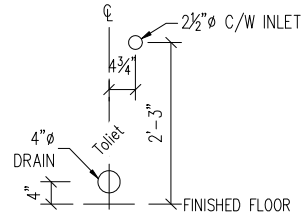
**URINAL
(MENS)**
AS VIEW FROM CHASE SIDE



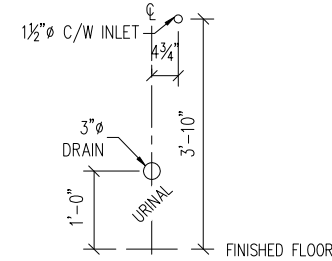
**HAND DRYER
(MENS & WOMEN)**
AS VIEW FROM CHASE SIDE



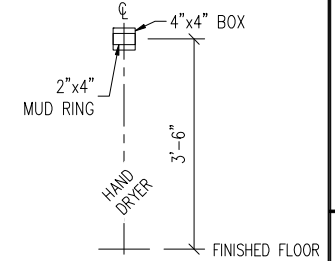
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(BOYS & GIRLS)**
AS VIEW FROM CHASE SIDE



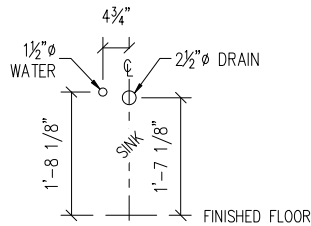
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(BOYS & GIRLS)**
AS VIEW FROM CHASE SIDE



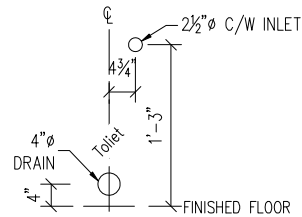
**URINAL
(BOYS)**
AS VIEW FROM CHASE SIDE



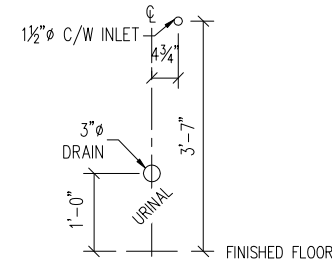
**HAND DRYER
(BOYS & GIRLS)**
AS VIEW FROM CHASE SIDE



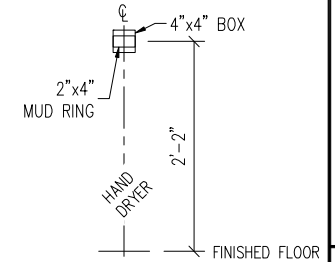
**SINK
(K BOYS & K GIRLS)**
AS VIEW FROM CHASE SIDE



**TOILET
(K BOYS & K GIRLS)**
AS VIEW FROM CHASE SIDE



**URINAL
(K BOYS)**
AS VIEW FROM CHASE SIDE



**HAND DRYER
(K BOYS & K GIRLS)**
AS VIEW FROM CHASE SIDE

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STATE STAMP

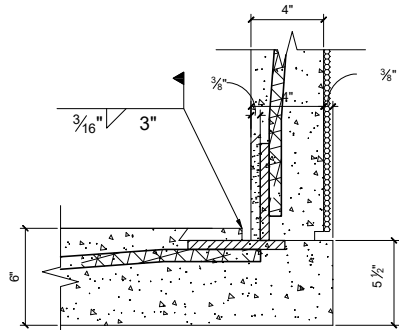


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SIX USER RESTROOM
CONTRACTOR: LEESBURG CONCRETE INC
LEESBURG, FL

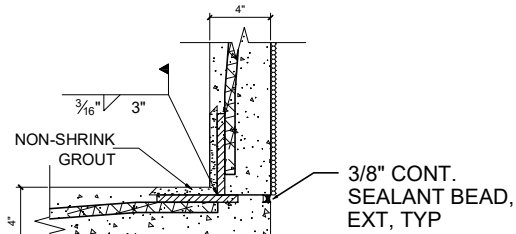
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| ISSUE DATE 9/9/21 |
| SHEET NUMBER/ PIECE MARK P1.03 |

WELDED CONNECTIONS



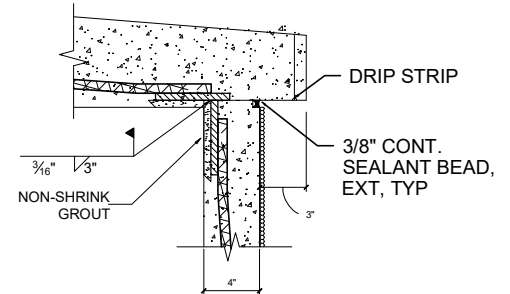
K - MID PANEL -
FLOOR - WALL DETAIL

5
A5.01



I - MID PANEL -
WALL - WALL DETAIL

3
A5.01



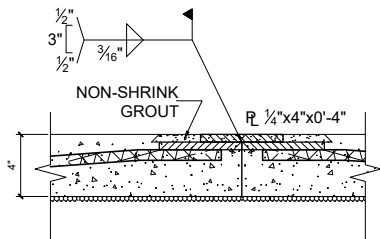
G - MID PANEL -
ROOF - WALL DETAIL
tapered roof

1
A5.01

Digitally signed by
MICHAEL THOMPSON
Reason: This item has
been digitally signed
and sealed by MICHAEL
A. THOMPSON on the
date adjacent to the
seal. Printed copies of
this document are not
considered signed and
sealed and the
signature must be
verified on any
electronic copies.
Date: 2021.10.12
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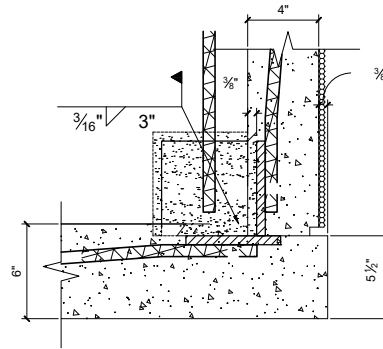
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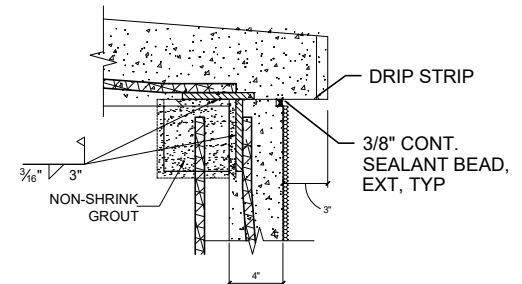
L WALL - WALL DETAIL

6
A5.01



J - CORNER PANEL -
FLOOR - WALL DETAIL

4
A5.01



H - CORNER PANEL -
ROOF - WALL DETAIL
tapered roof

2
A5.01



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LEESBURG, FL

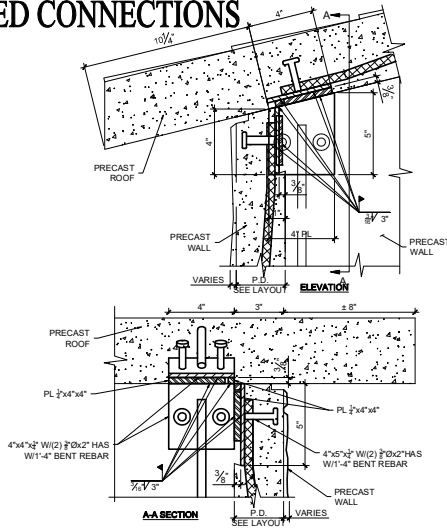
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MCG

ISSUE DATE
9/9/21

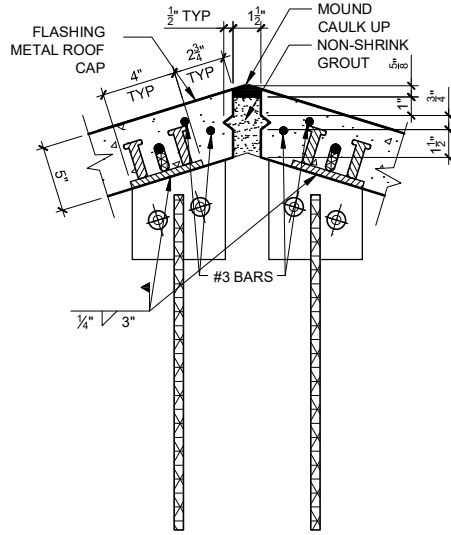
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WELDED CONNECTIONS



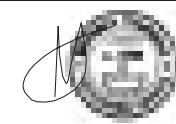
R -CORNER PANEL-
ROOF - PEAK DETAIL
gabled roof

5
A5.02



P ROOF - PEAK DETAIL
gabled roof

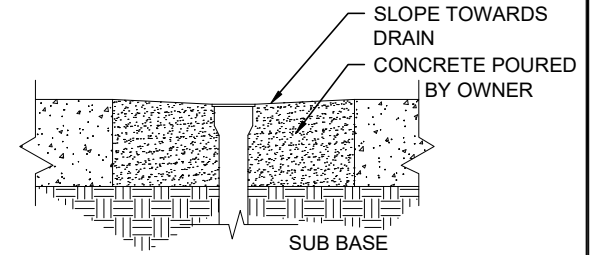
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A5.02



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and sealed by MICHAEL A. THOMPSON on
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signature must be verified on any
electronic copies.
Date: 2021.10.12 17:11:43 -0400

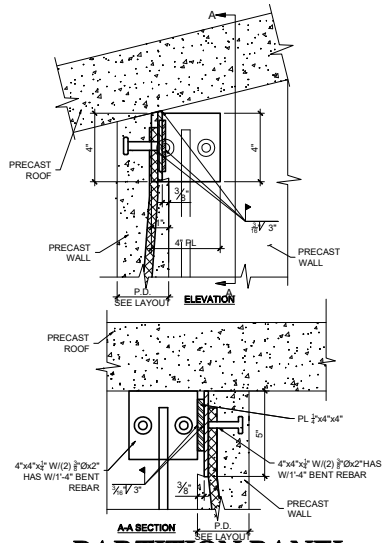
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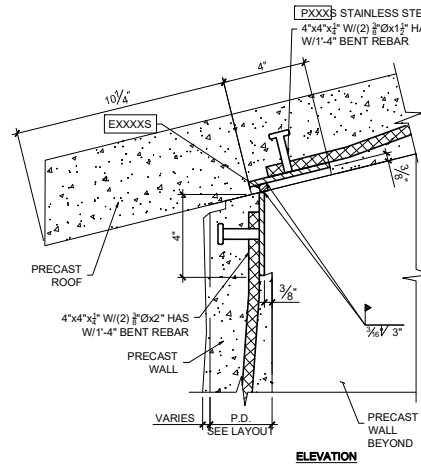
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FLOOR DRAIN DETAIL

1
A5.02



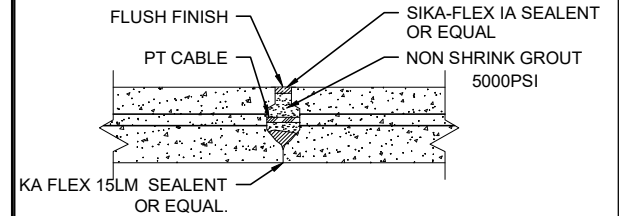
S -PARTITION PANEL-
WALL - WALL DETAIL
gabled roof

6
A5.02

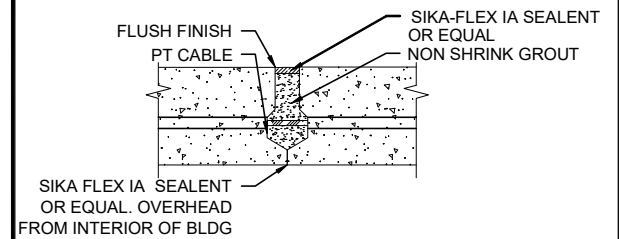


Q -MID PANEL-
ROOF - WALL DETAIL
gabled roof

4
A5.02



N -KEYWAY-
FLOOR - JOINT DETAIL



O -KEYWAY-
ROOF - JOINT DETAIL

2
A5.02



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PROJECT: 22' - 6" x 21' - 5" x 8'
SIX USER RESTROOM
CONTRACTOR: LEESBURG CONCRETE INC
LEESBURG, FL

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9/9/21

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PIECE MARK
A5.02

FOUNDATION REQUIREMENTS FOR TRANSPORTABLE PRECAST CONCRETE BUILDINGS

BUILDING DESIGN

TRANSPORTABLE PRECAST CONCRETE BUILDINGS HAVE BEEN DESIGNED TO ELIMINATE THE NEED FOR FOUNDATIONS OR FOOTINGS FOR VIRTUALLY ALL INSTALLATIONS. THE BUILT-IN FLOOR OF THE BUILDINGS ARE DESIGNED FOR USE ON FLOATING FOUNDATIONS COMPRISED OF 4"-6" OF CRUSHED STONE OR SAND. THIS DESIGN, AND THE USE OF APPROPRIATE FLOATING FOUNDATIONS OF STONE OR SAND, HAVE PROVEN TO BE EFFECTIVE AND PROBLEM FREE IN THE FIELD FOR A WIDE VARIETY OF INSTALLATIONS. THE EFFECTIVENESS OF THE DESIGN HAS NOT BEEN ADVERSELY AFFECTED BY THE SIZE OF THE BUILDING.

CAVEATS

THE FLOATING FOUNDATION OF CRUSHED STONE OR SAND SHOULD BE PLACED ON A WELL-DRAINED AND GRADED AREA, TO PRECLUDE THE RETENTION OF STANDING WATER. ON A WELL-DRAINED AND PROPERLY GRADED SITE, ANY GROUND SWELL SHOULD BE MINIMAL AND LINEAR, WITH NO DAMAGE TO THE BUILDING OR ITS CONTENTS.

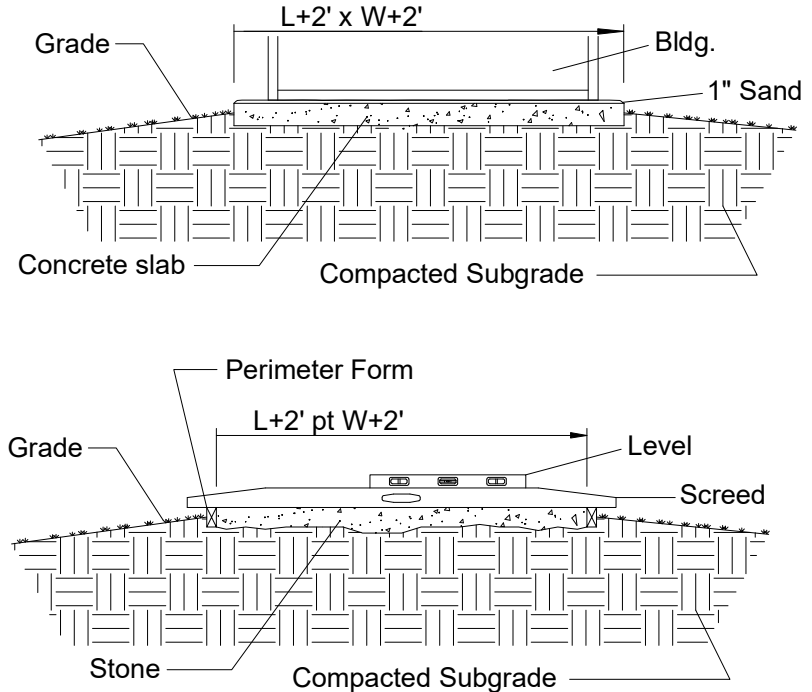
IT IS IMPORTANT TO NOTE THAT THE DESIGN OF THE BUILDING ENABLES THE TRANSPORTATION OF THE BUILDING, WHICH MAXIMIZES THE FLEXIBILITY AND LONG-TERM USEFULNESS OF THE STRUCTURE. FURTHERMORE, THE ELIMINATION OF FOUNDATIONS AND FOOTINGS MINIMIZES THE IMPACT ON, AND DAMAGE TO, THE ENVIRONMENT OF THE BUILDING SITE. THE USE OF STANDARD FOUNDATIONS OR FOOTINGS WOULD COUNTER SOME OF THE SIGNIFICANT BENEFITS, WHICH CAN BE ACHIEVED BY INSTALLING TRANSPORTABLE BUILDINGS. IN THOSE AREAS WHERE LOCAL BUILDING CODES MAY NOT ACCOMMODATE THE USE OF A FLOATING FOUNDATION FOR AN TRANSPORTABLE BUILDING, A VARIANCE TO SUCH CODES MAY BE AVAILABLE.

SITE PREPARATION REQUIREMENTS (MANUFACTURER'S RECOMMENDATION)

- BUILDING SHALL BEAR FULLY ON A CRUSHED STONE BASE THAT IS AT LEAST TWO FEET LARGER THAN THE LENGTH AND WIDTH OF BUILDING.
- STONE SHALL BE A MINIMUM OF 4" THICK OR DOWN TO FIRM SUBGRADE. THE VERTICAL SOIL CAPACITY UNDER STONE SHALL BE COMPACTED TO HAVE MINIMUM BEARING OF 1,500 POUNDS PER SQUARE FOOT. STONE SHALL BE 3/8" OR SMALLER AND MUST BE SCREEDED LEVEL WITHIN 1/4" IN BOTH DIRECTIONS. STONE SHALL BE PLACED WITHIN A PERIMETER FORM WITH FLAT AND LEVEL TOP EDGE FOR SCREEDING. FORMING MATERIAL SHALL REMAIN AROUND STONE UNTIL AFTER THE BUILDING IS SET.
- THE CRUSHED STONE BASE SHALL BE KEPT WITHIN THE CONFINES OF THE SOIL OR PERIMETER FORM. DO NOT ALLOW THE BASE TO BECOME UNCONFINED SO THAT IT MAY WASH, ERODE, OR OTHERWISE BE UNDERMINED.
OR
IF BUILDING IS PLACED ON PAVEMENT OR A CONCRETE SLAB, SUBSTRATE BELOW PAVEMENT OR SLAB MUST HAVE A VERTICAL SOIL CAPACITY OF 1,500 POUNDS PER SQUARE FOOT. PLACE STONE OR SAND TO 1" ABOVE HIGHEST POINT OF AREA WHERE BUILDING WILL BE PLACED AND AT LEAST 1'-0" WIDE ALL AROUND THE BUILDING FOOTPRINT. RETAIN STONE OR SAND WITH A PERIMETER FORM TO PREVENT THE MATERIAL FROM WASHING OUT.
- PROVIDE POSITIVE DRAINAGE FOR THE FILL, PAD, OR SLAB AS REQUIRED.

ACCESS

- CONTRACTOR MUST PROVIDE LEVEL UNOBSTRUCTED AREA LARGE ENOUGH FOR A CRANE AND A TRACTOR-TRAILER TO PARK ADJACENT TO THE PAD. CRANE MUST BE ABLE TO PLACE OUTRIGGERS WITHIN 5'-0" OF EDGE OF PAD AND TRUCK AND CRANE MUST BE ABLE TO GET SIDE BY SIDE UNDER THEIR OWN POWER. NO OVERHEAD LINES MAY BE WITHIN 75' RADIUS OF CENTER OF PAD. A MINIMUM OF 24" CLEARANCE IS REQUIRED BETWEEN THIS BUILDING AND ADJACENT BUILDINGS.

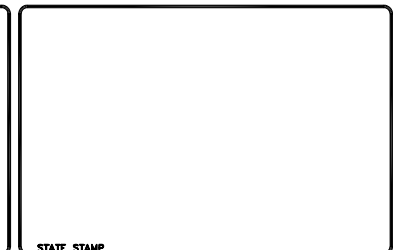


SITE PREPARATION

SCALE: N.T.S.



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PROJECT: 22' - 6" x 21' - 5" x 8'
SIX USER RESTROOM
CONTRACTOR: LEESBURG CONCRETE INC
LEESBURG, FL

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| ISSUE DATE 9/9/21 |
| SHEET NUMBER/ PIECE MARK A6.01 |



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5.0 Building Production

5.10 STRESSING PROCEDURES For Roofs and Floors - Model 1012 & 1220

1. Remove form rails. Verify concrete strength with Schmidt Hammer or cylinder breaks. Concrete shall be a minimum of 3,750 PSI before cable can be stressed.
2. Remove recessed plastic pocket-formers at the post-tensioning anchor.
3. Remove the plastic sheath from the strand all the way from the base of the anchor to the end of the strand. Clean off grease from exposed portion of cable. Use a suitable solvent. Never heat or use flame on the cable.
4. Insure that the tapered holes in the anchors are cleaned and free of any debris or cement paste, which might interfere with proper wedge seating.
5. Install wedge sets around the strand at each anchor. Press the wedges in with the fingers evenly. Tap wedges in securely. Make sure the ends of the wedges are even with each other so that the stress will be evenly distributed over the wires of the strand.
6. Slide the wedge-setter over the cable and place against the wedges installed in the cast-in anchors (see drawing #1 on sheet A1.08).
7. Install the temporary reusable anchor on the strand. The plates of the jack will push against this anchor to elongate and, therefore, stress the strand. Set the temporary stressing anchor approximately 5" beyond the rear of the wedge-setter (see Drawing #1 on A1.08).
8. Install the plates of the twin ram stressing jack over the strand between the wedge-setter and the reusable stressing anchor.
9. Standing back from the jack, using a remote switch for the pump, stress the strands until the pump pressure gauge indicates a pressure listed on the calibration chart of your stressing pump, that corresponds to 33 K required tension on the $\frac{1}{2}$ " cable. Whenever stressing be sure to observe safety precautions and operator positioning in anticipation of unexpected failures. NOTE: As a double-check to insure proper elongation of the strand, measure the distance the jack has stretched the cable. This dimension should be in accordance with the following formula:
Length of total cable x .0795 = the length of cable elongation.
10. Release pump pressure slowly and remove the jacking system and temporary stressing anchor. Your post release tension on the cable will be 28.5 K.
11. Repeat stressing operation at other end of cable. To insure that cable is fully tensioned. Line friction may result in lower stress of total length of cable if this procedure is not done.
12. Release pump pressure slowly and remove jack system and temporary anchor.
12. Cut off strand tails at 1" from the wedge and pack the holes with permanent grout.

SAFETY INSTRUCTIONS:

- NOTE: Stressing units are calibrated against load cells to determine the gauge pressures for a particular unit which will produce the desired engineering force. Gauge pressure versus actual load calibration should be checked every six months against a load cell. The sample table on A1.08 lists the current equipment in service. Never use equipment which has not been tested in the last 6 months. The Quality Control Department has the responsibility to insure the stressing unit is calibrated semi-annually. See the following sample calibration chart A1.08. The calibration chart of your stressing jack is likely to vary from the sample table on A1.08.
- ROOF AND FLOOR POST-TENSIONING Stressing System Safety Instructions**
- This equipment is designed and built to provide safety during equipment operation. It must be operated and maintained by personnel who are trained in and follow safe procedures. Since the forces involved in tendon stressing are in the order of 33 to 46 kips, it is obvious that failure from any cause could be damaging to personnel and property. Accordingly, stressing equipment operators are expected to observe all applicable safety precautions including the following:
1. Before activating the pump, visually check all elastomeric tubing for nicks, cracks, or other damage and repair or replace if required.
 2. See that all tubing joints are tightly connected.
 3. Be sure that pump is supported in a stable manner and positioned to avoid strain on connection lines.
 4. Be sure that protective dunnage and appropriate safety barriers are erected to protect the operator and any others in the area.
 5. Observe the gauge pressure that will develop the required tensile force as marked on the tag attached to the pump. Locate this reading on gauge face.
 6. Be certain that tensioning twin-rams are positively engaged and correctly aligned.
 7. Activate pump and observe gauge. If pressure does not build up promptly, check system for leakage and make sure that anchors and wedges on both ends of the POLYSTRAND® tendons are properly engaged. When pressure reaches approximately 1000 PSI, stop and check for alignment. Make sure that the strand is at the top of the slot provided in the tension jack cylinder connector plates.
 8. Continue pumping until final pressure is attained. When stressing long tendons, multiple strokes and resetting the temporary anchor will be required. — CAUTION — pressure will build extremely fast if rams are fully extended. Monitor ram extension and gauge readings continuously.
 9. When the correct force has been applied to the tendon, stop the pump motor and release the pressure on the pack by opening the hydraulic valve.
 10. Use care in moving and storing equipment to insure that gauge and tubing are not damaged.
 11. Observe site rules pertaining to frequency of gauge calibration.



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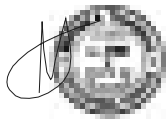
PROJECT: 22' - 6" x 21' - 5" x 8'
SIX USER RESTROOM
CONTRACTOR: LEESBURG CONCRETE INC
LEESBURG, FL

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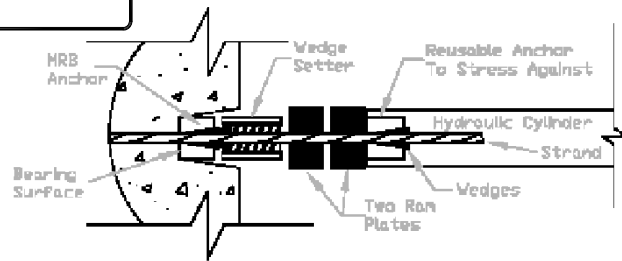
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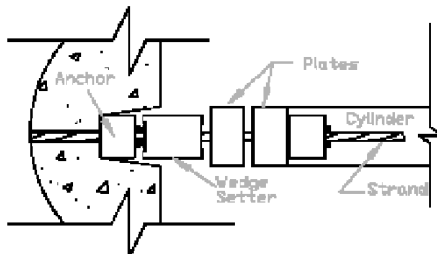
NOTE:

The charts are provided as samples only and that the views may differ from your actual machinery. Always refer to your manufacturer's operation manual and the certified calibration chart provided at time of certification. Tension machinery should be calibrated at least once per year by authorized and certified testing companies and pressure charts updated. Follow all recommended safety instructions and procedures during the operation of tensioning machinery.

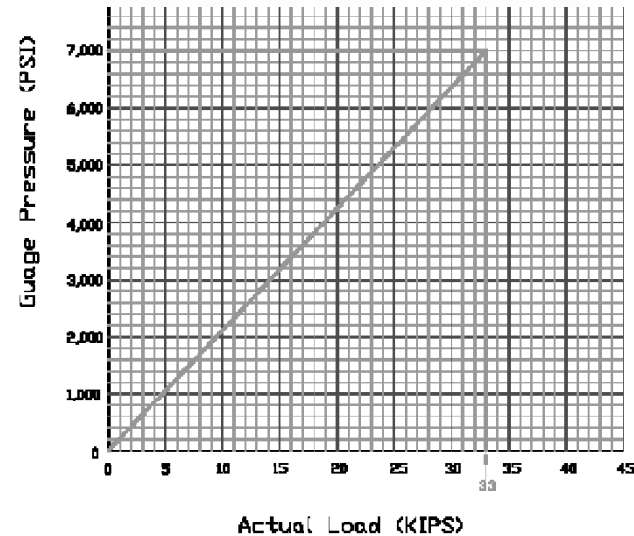
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Cross Section



Plan



Ram Calibration Curve
Ram #: VSL-228-00661
Gauge #: VSL-228-00661



8006 Route Court
Springfield, Virginia 22150
Phone Number: (703) 458-4300
Fax Number: (703) 451-0862



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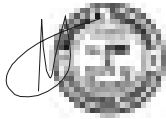
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SIX USER RESTROOM
CONTRACTOR: LEESBURG CONCRETE INC
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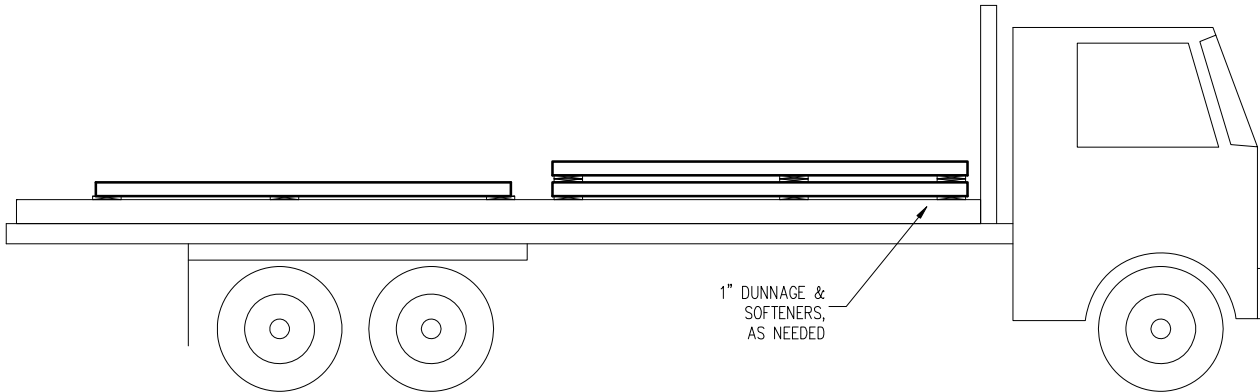
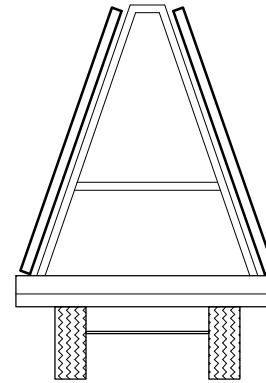
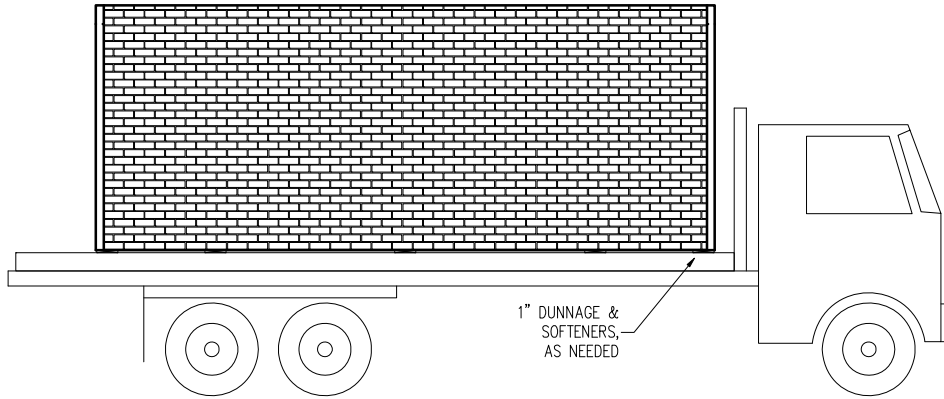


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| SLAB | WEIGHT |
|--------------|--------------------|
| FLOOR (2) | 20,117 LB. |
| FRONT WALL | 8,870 LB. |
| BACK WALL | 8,870 LB. |
| LEFT WALL | 7,160 LB. |
| RIGHT WALL | 7,160 LB. |
| ROOF (2) | 21,584 LB. |
| PW1 | 7,500LB. |
| PW2 | 6,050LB. |
| PW3 | 6,050LB. |
| TOTAL | 135,062 LB. |

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LEESBURG, FL

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RL-4 TECH ERECTION ANCHOR W/ SHEAR PLATE 2-TON, 4-TON, 8-TON

The RL-4 Tech Erection Anchor with Shear Plate is specifically designed for horizontal to vertical edge pulls and the sheer rotation of thin-walled units. Two steel protrusions or "ears" on the head of the anchor provide added protection against spalling. These protrusions hug either side of the ring clutch, restricting its rotation during lateral pulls. As a result, lateral forces are transmitted directly to the edges of the anchor instead of the concrete. The shear plate of this RL-4 Tech Erection Anchor is positioned to resist shear loads for spill-free rotation. No shear reinforcement is required.

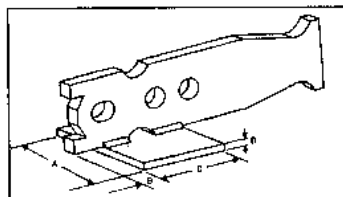
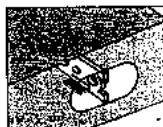
Reinforcement

The stress caused by the sheer lift of a thin panel is resisted by the shear plate.

While the panel is being rotated on its edge, the load can usually be factored by 0.5. During this phase of the lift, the anchors are not bearing the full weight of the panel. The rated loads and minimum panel thicknesses can be found in the accompanying table on page 31.

During rotation, it is recommended that the sling angle be perpendicular to the surface.

Once the panel has been rotated to vertical, the tension lift is initiated. During the tension phase of the lift, the RL-4 Tech Erection Anchor with Shear Plate will work like the Spread Anchor or the Two-Hole Anchor. A glance at the accompanying table on page 34 will show that there are two sets of data. If the higher loads are desired, additional reinforcement should be placed through the lower hole of the anchor. Consult the reinforcement charts for rebar length, diameter, and bend angle.



- RL-4 Tech Erection Anchors with Shear Plate eliminate the need for sheer bars, making them easier to install.
- RL-4 Tech Erection Anchors with Shear Plate can be placed in thinner panels than the Tech Erection Anchors with Shear Bars.
- No special ring clutch or recessing members required.

| Ring Clutch System | Clutch I.D. | Item Number | A | B | C | D | Weight (lbs.) | Minimum Panel Thickness |
|--------------------|-------------|-------------|--------|--------|--------|------|---------------|-------------------------|
| 2-Ton | 2.5T | 795279P | 2-1/2" | 3/4" | 3" | 1/4" | 2.12 | 3-1/2" |
| 4-Ton | 5" | 795438P | 2-1/2" | 1-1/4" | 3" | 3/8" | 4.53 | 4" |
| 8-Ton | 10T | 795696P | 3" | 1-5/8" | 3-1/2" | 3/8" | 10.33 | 7" |

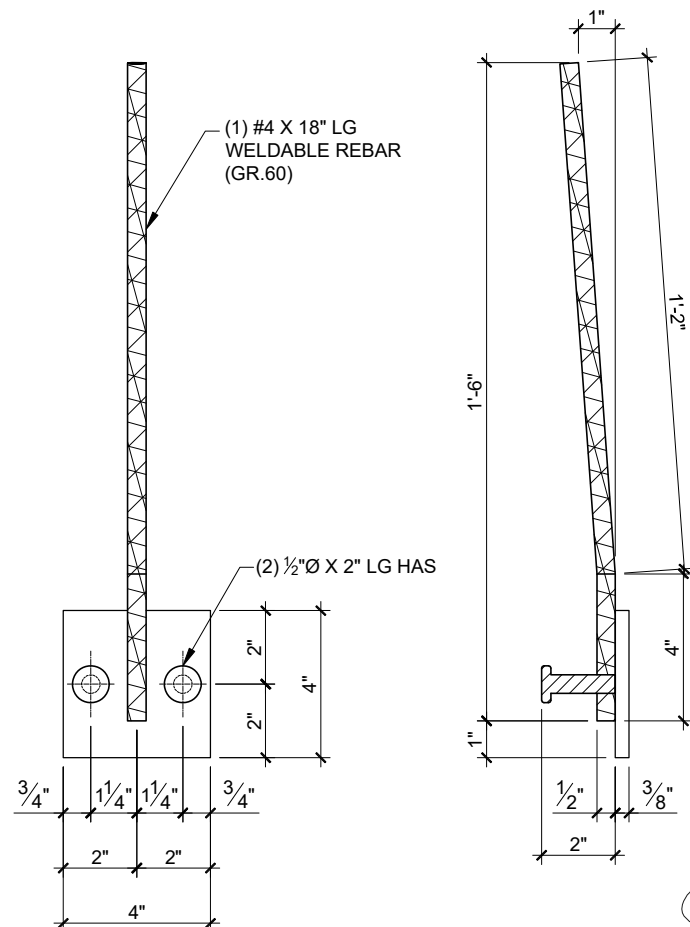
See standard RL-3 Tech Erection Anchor for all other dimensions.

Note: RL-4 Tech Erection Anchor with double shear plates available special order.

10-04

MEADOW BURKE PRODUCTS

30



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| HARDWARE INFORMATION | | MATERIAL REQUISITIONS | | | | | JOB NO: | |
|------------------------|--|----------------------------|------|-------------------|-------------------|-------------------------|-----------|--|
| FINISH | | REQUISITION # OR REVISION# | DATE | QTY TO BE ORDERED | TOTAL QTY TO DATE | MATERIAL TO BE USED FOR | JOB NAME: | |
| DRAWN BY | | | | | | | | |
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| PRODUCT TYPE | | | | | | | | |
| USED WHERE ON BUILDING | | | | | | | | |

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| HARDWARE INFORMATION | | MATERIAL REQUISITIONS | | | | | JOB NO: | |
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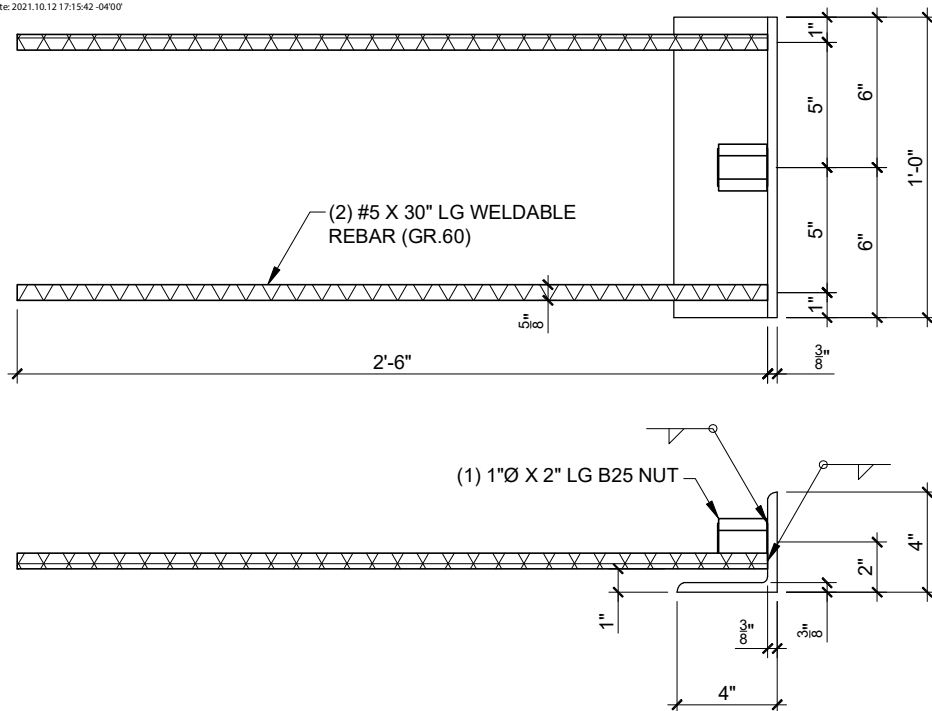
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PART NUMBER
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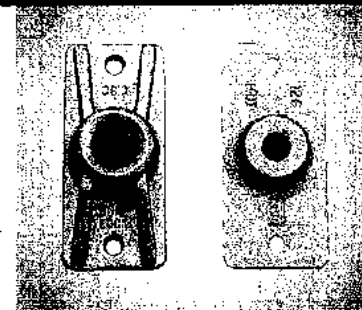
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Patterson PT Anchorage System

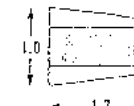
U-5 Anchor

Patterson Universal U-5 Anchor is manufactured to ASTM A-536 and Post Tension specifications for A. L. Patterson. They are designed to be used on live stressing end or dead-end locations. The anchors attach easily and quickly to form work to allow for proper placement of the mono strand.



U-5 Steel Wedges

Patterson U-5 Wedges are available in two- or three-piece Wedges sets designed to fit U-5 Anchors. They are manufactured of case hardened steel to precise specifications to insure quality results.



Plastic Pocket Formers

Patterson Plastic Pocket Formers are available to pre-form stressing voids to allow for proper Post-Tensioning Procedures.



HARDWARE INFORMATION

FINISH
DRAWN BY
CHECKED BY
PRODUCT TYPE
USED WHERE
ON BUILDING

MATERIAL REQUISITIONS

| REQUISITION # OR REVISION | DATE | QTY TO BE ORDERED | TOTAL QTY TO DATE | MATERIAL TO BE USED FOR |
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JOB NAME:

MARK NUMBER

PART NUMBER
P103

HARDWARE INFORMATION

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PRODUCT TYPE
USED WHERE
ON BUILDING

MATERIAL REQUISITIONS

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P104

Lifting/Handling Inserts
and Accessories



F-63 Flared Thin Slab Coil Insert

The Dayton Superior F-63 Flared Thin Slab Coil Insert is designed for use in easy lift-in-place or other conditions where a longer insert cannot be used. Inserts should be set back 1/2" from the surface of the concrete, reinforcing at least 3/4" of concrete below the inserts. Minimum spacing between inserts is twice the minimum corner distance.



F-63 Flared Thin Slab
Coil Insert

WARNING
Inserts are not to be used in any condition where they are not designed for use.

Example:
200, F-63 Flared Thin Slab Coil Inserts, 1" dia. x 4-1/2" plain finish.

| F-63 Flared Thin Slab Coil Insert Selection Chart | | | | | | | | |
|---|---------------|-----------------------|-------------------------|---------------------------|-------------------------|--------|----------|--------|
| Soil Diameter | Insert Height | Minimum Edge Distance | Minimum Corner Distance | Safe Working Load Tension | Safe Working Load Shear | A | B | C |
| 1/2" | 1-3/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 3/4" | 2-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 1" | 3-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 1-1/8" | 4-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 1-1/4" | 5-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 1-3/8" | 6-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 1-1/2" | 7-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 1-5/8" | 8-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 1-3/4" | 9-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 2" | 10-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 2-1/8" | 11-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 2-1/4" | 12-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 2-3/8" | 13-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 2-1/2" | 14-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 2-5/8" | 15-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 2-3/4" | 16-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 2-7/8" | 17-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 3" | 18-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 3-1/8" | 19-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 3-1/4" | 20-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 3-3/8" | 21-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 3-1/2" | 22-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 3-5/8" | 23-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 3-3/4" | 24-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 3-7/8" | 25-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 4" | 26-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 4-1/8" | 27-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 4-1/4" | 28-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 4-3/8" | 29-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 4-1/2" | 30-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 4-5/8" | 31-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 4-3/4" | 32-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 4-7/8" | 33-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 5" | 34-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 5-1/8" | 35-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 5-1/4" | 36-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 5-3/8" | 37-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 5-1/2" | 38-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 5-5/8" | 39-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 5-3/4" | 40-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 5-7/8" | 41-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 6" | 42-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 6-1/8" | 43-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 6-1/4" | 44-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 6-3/8" | 45-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 6-1/2" | 46-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 6-5/8" | 47-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 6-3/4" | 48-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 6-7/8" | 49-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 7" | 50-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 7-1/8" | 51-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 7-1/4" | 52-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 7-3/8" | 53-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 7-1/2" | 54-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 7-5/8" | 55-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 7-3/4" | 56-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 7-7/8" | 57-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 8" | 58-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 8-1/8" | 59-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 8-1/4" | 60-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 8-3/8" | 61-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 8-1/2" | 62-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 8-5/8" | 63-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 8-3/4" | 64-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 8-7/8" | 65-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 9" | 66-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 9-1/8" | 67-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 9-1/4" | 68-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 9-3/8" | 69-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 9-1/2" | 70-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 9-5/8" | 71-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 9-3/4" | 72-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 9-7/8" | 73-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 10" | 74-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 10-1/8" | 75-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 10-1/4" | 76-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 10-3/8" | 77-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 10-1/2" | 78-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 10-5/8" | 79-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 10-3/4" | 80-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 10-7/8" | 81-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 11" | 82-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 11-1/8" | 83-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 11-1/4" | 84-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 11-3/8" | 85-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 11-1/2" | 86-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 11-5/8" | 87-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 11-3/4" | 88-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 11-7/8" | 89-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 12" | 90-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 12-1/8" | 91-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 12-1/4" | 92-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 12-3/8" | 93-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 12-1/2" | 94-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 12-5/8" | 95-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 12-3/4" | 96-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 12-7/8" | 97-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 13" | 98-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 13-1/8" | 99-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 13-1/4" | 100-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 13-3/8" | 101-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 13-1/2" | 102-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 13-5/8" | 103-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 13-3/4" | 104-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 13-7/8" | 105-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 14" | 106-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 14-1/8" | 107-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 14-1/4" | 108-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 14-3/8" | 109-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 14-1/2" | 110-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 14-5/8" | 111-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 14-3/4" | 112-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 14-7/8" | 113-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 15" | 114-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 15-1/8" | 115-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 15-1/4" | 116-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 15-3/8" | 117-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 15-1/2" | 118-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 15-5/8" | 119-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 15-3/4" | 120-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 15-7/8" | 121-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 16" | 122-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 16-1/8" | 123-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 16-1/4" | 124-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 16-3/8" | 125-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 16-1/2" | 126-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 16-5/8" | 127-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 16-3/4" | 128-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 16-7/8" | 129-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 17" | 130-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 17-1/8" | 131-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 17-1/4" | 132-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 17-3/8" | 133-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 17-1/2" | 134-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 17-5/8" | 135-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 17-3/4" | 136-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 17-7/8" | 137-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8" | 6-223" |
| 18" | 138-1/4" | 6" | 6" | 1,520 lbs | 1,060 lbs | 1-3/4" | 4-1/8"</ | |



A technical drawing of a stepped shaft. The shaft has a vertical section with a circular hole and a horizontal section. Dimension A is the diameter of the top of the vertical section. Dimension B is the height of the vertical section. Dimension C is the diameter of the horizontal section. Dimension D is the length of the horizontal section.

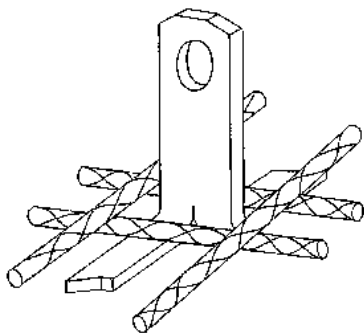
The RL-21 Flat Foot Anchor is used for backstripping and for lifting thin-walled units. Its advantage over the RL-24 Plate Anchor, also used for thin-walled units, is that it is somewhat less expensive.

The "legs" of the HL-21 Flat Foot Anchor extend 4" or more to accommodate the recommended reinforcing.

Reinforcement

Using #4 rebar cut to a length of 18", simply crisscross the legs of the anchor as shown in the accompanying diagram. Maintain a minimum cover below the feet or 3/4" of concrete to obtain listed working loads.

Note: The RL-21 Flat Foot Anchor has allowable face shear loads that are equal to or greater than unreinforced face tension loads for anchors located in a panel or concrete unit at a distance of at least $2B + A$ from the edges.



RL-21 FLAT FOOT ANCHOR DATA

| Ring Clutch System | Clutch ID | Item Number | A | B | C | S | Allowable Unreinforced Tension Load 4.0:1 SF | Allowable Reinforced Tension Load ² 4.0:1 SF | Ultimate Mechanical Load Tension | Weight Per Piece |
|--------------------|-----------|-------------|--------|--------|-------|----|--|---|----------------------------------|------------------|
| 2T | 2.5T | 79352 | 1-1/4" | 2-3/4" | 3/16" | 4" | 1325 lbs. | 2000 lbs. | 8000 lbs. | 0.32 lbs. |
| 3T | 3.5T | 79353 | 1-1/4" | 2-3/4" | 3/16" | 4" | 1325 lbs. | 2000 lbs. | 8000 lbs. | 0.32 lbs. |

| | | | | | | | |
|---------------------------|--|-------------------------------|------|----------------------|----------------------|-------------------------|------------------------------------|
| HARDWARE INFORMATION | | MATERIAL REQUISITIONS | | | | | JOB NO: |
| FINISH | | REQUISITION # OR REVISION# | DATE | QTY TO BE ORDERED | TOTAL QTY TO DATE | MATERIAL TO BE USED FOR | JOB NAME: |
| DRAWN BY | | | | | | | MARK NUMBER |
| CHECKED BY | | | | | | | |
| PRODUCT TYPE | | | | | | | |
| USED WHERE ON BUILDING | | | | | | | <div> PART NUMBER P107 </div> |

Product Data Sheet
Edition 5.13.2018
Skafos-15 LM



Sikaflex®-15 LM

High-performance, low-modulus elastomeric sealant

| | |
|--------------------|---|
| Description | Skaflex 15 LR is a low-modulus, high-performance, 1-component, polyurethane-based, non-sag aluminum-coated, Steels Federal Specification TT-S-00230C, Type B, Class A; ASTM C-430, Type B, Grade 88, Class 100/50; use T, M, Q, A, C, M Federal Specification for aluminos - TT-S-001943 A, Type non-sag. Tested in accordance with ASTM C-1382 for use in EPS systems. |
|--------------------|---|

| | |
|---------------------|---|
| Where to use | <ul style="list-style-type: none"> Excellent for moving joints in vertical applications. Suitable for use between similar as well as dissimilar materials. Typical applications include joints, in concrete panels and wall systems, around windows and door frames, registers, flashing, common meeting detail applications, etc. Exceptional sealant choice for high-rise and facade applications where high movement capability is required. 2- and 3-Nor L8, Fire Rated Joint Systems: FF-6-0007, FF-6-0007, FF-6-0007, FF-6-0015, FF-6-0015, WW-5-0016, WW-5-0016, WW-5-0017 and WW-5-0017. An effective sealant for use in Exterior Insulation/Finish Systems (EIFS). |
|---------------------|---|

| | |
|-------------------|---|
| Advantages | <ul style="list-style-type: none"> ■ Low modulus of elasticity. ■ Easy and ready to use. ■ Eliminates time, effort, waste, and equipment clean-up. ■ Cures to a durable, flexible consistency. ■ Exceptional cut and tear resistance. ■ Stress relaxation properties. ■ Excellent adhesion. ■ Bonds to most construction materials without a primer. ■ Penetrates with water, oil- and rubber-based paints. ■ Excellent resistance to aging, weathering. ■ Jet fuel-resistant. ■ Proven in tough climates around the world. ■ Non-leaching. ■ Capable of $\pm 100\%$ / $\pm 50\%$ joint movement. |
|-------------------|---|

Chemical Resistance: Good resistance to water, diluted acids, and diluted alkalis. Not normally for fully immersed conditions. Consult Technical Service for specific data.

| | |
|--------------------|---|
| Packaging Coverage | 10.1 L. oz. (300 mL), 20 L. oz. (591 mL), 4.5 gal (17 L) in a 5 gal. pail, 52 gal (197 L) in a 55 gal. drum |
|--------------------|---|

Typical Data (Material and curing conditions @ 73°F (23°C) and 50% R.H.)

RESULTS MAY VARY BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MEASUREMENTS AND CURRENT TEMPERATURE, APPLICATION METHOD, SITE METHOD, ACTUAL SITE CONDITIONS AND CORRELATION STUDY.

| | | |
|------------|--------------------------------|-----------|
| Shelf life | 50.0% w/v cartridges | 12 months |
| | 20.0% w/v cartridge cartridges | 12 months |
| | 10.0% w/v cartridges | 12 months |

| Variable | Mean | Standard deviation | Minimum | Maximum |
|---------------------------------|-------|--------------------|---------|---------|
| Age (years) | 34.2 | 10.5 | 18 | 65 |
| Gender (male) | 0.55 | 0.50 | 0 | 1 |
| Marital status (married) | 0.65 | 0.48 | 0 | 1 |
| Education (years) | 12.5 | 2.5 | 8 | 16 |
| Income (USD/month) | 1,200 | 300 | 500 | 2,500 |
| Health status (good) | 0.75 | 0.43 | 0 | 1 |
| Smoking status (smoker) | 0.25 | 0.43 | 0 | 1 |
| Alcohol consumption (drinker) | 0.15 | 0.37 | 0 | 1 |
| Exercise frequency (times/week) | 2.5 | 2.5 | 0 | 10 |
| Stress level (high) | 0.45 | 0.50 | 0 | 1 |
| Sleep quality (good) | 0.65 | 0.48 | 0 | 1 |
| Work satisfaction (satisfied) | 0.55 | 0.50 | 0 | 1 |
| Life satisfaction (satisfied) | 0.65 | 0.48 | 0 | 1 |

[illegible]

| | |
|-------------------------|--|
| Application Temperature | -40° to 100°C. Insulator should be installed when part is at or above of its ambient temperature. |
|-------------------------|--|

| | |
|----------------------|---------------------------|
| Service Range | 100 to 1500 (100 to 1500) |
| Control Mode | Full range, auto |

| | | |
|--------------------------------|-------------|-----------------------------------|
| System name | System type | 2000 estimate (1000 observations) |
| Radio-frequency identification | RFID | 100000 |
| Barcode | Barcode | 100000 |
| Handwritten | Handwritten | 100000 |

| Recovery | 100% | 100% |
|----------|------|------|
| 100% | 100% | 100% |

| | | |
|-----------------------------------|--------|---------|
| Source: U.S. Census Bureau (2010) | 11.00% | 2011-12 |
| Female: Properties (2010) | | |

| | | |
|---------|--|----------------------------|
| 21 days | Severe Stress Exaggeration in Youth | 100% (100% better) 700% |
|---------|--|----------------------------|

Assistant in Field (F1-4,000,000)

| Category | 1990-1999 | 2000-2009 |
|----------|-----------|-----------|
| Business | 10.4 | 10.0 |
| Other | 10.0 | 10.0 |

| Medication | Side Effect | Frequency |
|------------|-------------|-----------|
| Medication | Side Effect | Frequency |

| | |
|------------------------------|--|
| Chemical Reactivities | Good resistance to water, dilute acids, and dilute alkalis. Not compatible with: strong oxidizing agents, strong acids, strong alkalis, amines, alcohols, ketones, aldehydes, esters, nitriles, and organic acids. |
|------------------------------|--|

Source: *Journal of International Accounting, Auditing & Taxation*, 15(1), 1996, pp. 1-20.

BEFORE EACH USE OF ANY SINK PRODUCT, THE USER MUST ALWAYS READ AND FOLLOW

IT WHICH ARE AVAILABLE ONLINE AT [HTTP://USA.SBX.COM](http://USA.SBX.COM) OR BY CALLING SBX'S TE

Visit www.sika.com for the hardware and instructions for each Sika product. As a

PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET PRIOR TO PRODUCE

| | | | | | | | |
|---------------------------|--|-------------------------------|------|----------------------|----------------------|-------------------------|--|
| HARDWARE INFORMATION | | MATERIAL REQUISITIONS | | | | | JOB NO: |
| FINISH | | REQUISITION # OR REVISION# | DATE | QTY TO BE ORDERED | TOTAL QTY TO DATE | MATERIAL TO BE USED FOR | JOB NAME: |
| DRAWN BY | | | | | | | <div>MARK NUMBER</div> <div> <div>PAGE NUMBER</div> <div>H.04</div> </div> <div> <div>PART NUMBER</div> <div>--</div> </div> |
| CHECKED BY | | | | | | | |
| PRODUCT TYPE | | | | | | | |
| USED WHERE ON BUILDING | | | | | | | |

John Morris

From: John Morris
Sent: Monday, March 7, 2022 8:30 AM
To: Richard Wagner; dewitt@blissproducts.com; Chris Decker (chrisd@jedeckerconstruction.com); randy@rjcameron.net
Cc: John Sixbey; Jessica Allen; Jason Maurer; Mandy Mullins
Subject: ADDENDUM ONE - Clarification / Addendum number ONE - RE: Request For Quote - Alachua County Parks and Open Space

Importance: High

Addendum Number One

The deadline shown in the RFQ document listed "2:00 pm, Monday March 9th, 2022."

The deadline is being moved to be : 2:00 pm, Wednesday March 16th, 2022."

End of Addendum.

John

From: John Morris
Sent: Wednesday, February 23, 2022 11:05 AM
To: Richard Wagner <richardw@joyner-construction.net>; dewitt@blissproducts.com; Chris Decker (chrisd@jedeckerconstruction.com) <chrisd@jedeckerconstruction.com>; randy@rjcameron.net
Cc: John Sixbey <johns@joyner-construction.net>; Jessica Allen <jessica@blissproducts.com>; Jason Maurer <jmaurer@alachuacounty.us>; Mandy Mullins <mmmullins@alachuacounty.us>
Subject: Request For Quote - Alachua County Parks and Open Space

Hello, my name is John Morris and I am the Contracts and Project Coordinator for Alachua County Parks and Open Space. Please find attached a Request For Quotes, RFQ and associated documents for a project located at Santa Fe Lake Park, 24500 NE SR 26, Melrose, FL 32666.

Please direct any questions directly to myself at jmorris@alachuacounty.us . I will respond with either and addendum to all bidders or indication that the information provided via this email should be sufficient to answer your question.

I am requesting Lump Sum pricing from your company for Site work, permitting, septic system and coordination of delivery and connection of a pre-cast restroom building. This is being done for a prefabricated, site assembled concrete restroom at Santa Fe Lake Park that will be installed / assembled by Leesburg Concrete.

The building comes in sections on a flatbed and is assembled with the use of a crane, similar to tilt wall assembly. The building is by Leesburg Concrete and is in production and will be delivered and assembled on a rock bed per the attached plans. The building vendor advises me that the time to complete the building once it arrives on the prepared site is approximately four weeks.

Based on the attached plans the vendor shall get all required permits, handle site preparation and septic installation and coordinate with Sunshine Plumbing and Gibson electric on connections to the building footprint.

The water line from the water meter to the building footprint is being handled by Sunshine Plumbing. Vendor shall coordinate the water line to facilitate connection.

The electrical wiring connection from the power pole to the building footprint is being handled by Gibson Electric. Vendor shall coordinate the conduit to facilitate connection.

John Morris, PMP
Parks and Open Space
Contracts and Project Coordinator
[12 SE 1st Street, Gainesville 32601](#)
[352.548.1219](#)



John Morris, PMP
Contracts and Project Coordinator
Parks and Open Space
5620 NW 120th Lane • Gainesville • FL • 32653
352-548-1219 (office)



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Kathi L. Shotwell

From: Jessica Allen <jessica@blissproducts.com>
Sent: Wednesday, March 16, 2022 1:03 PM
To: John Morris
Cc: DeWitt Gibbs
Subject: Santa Fe Lake Park RFQ
Attachments: RFQ BLISS PRODUCTS_SF (1).pdf

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

RFQ attached.

Thank you,

Jessica Allen
Administrative Assistant/Sales
Northeast Florida
C: (904) 315-4664

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