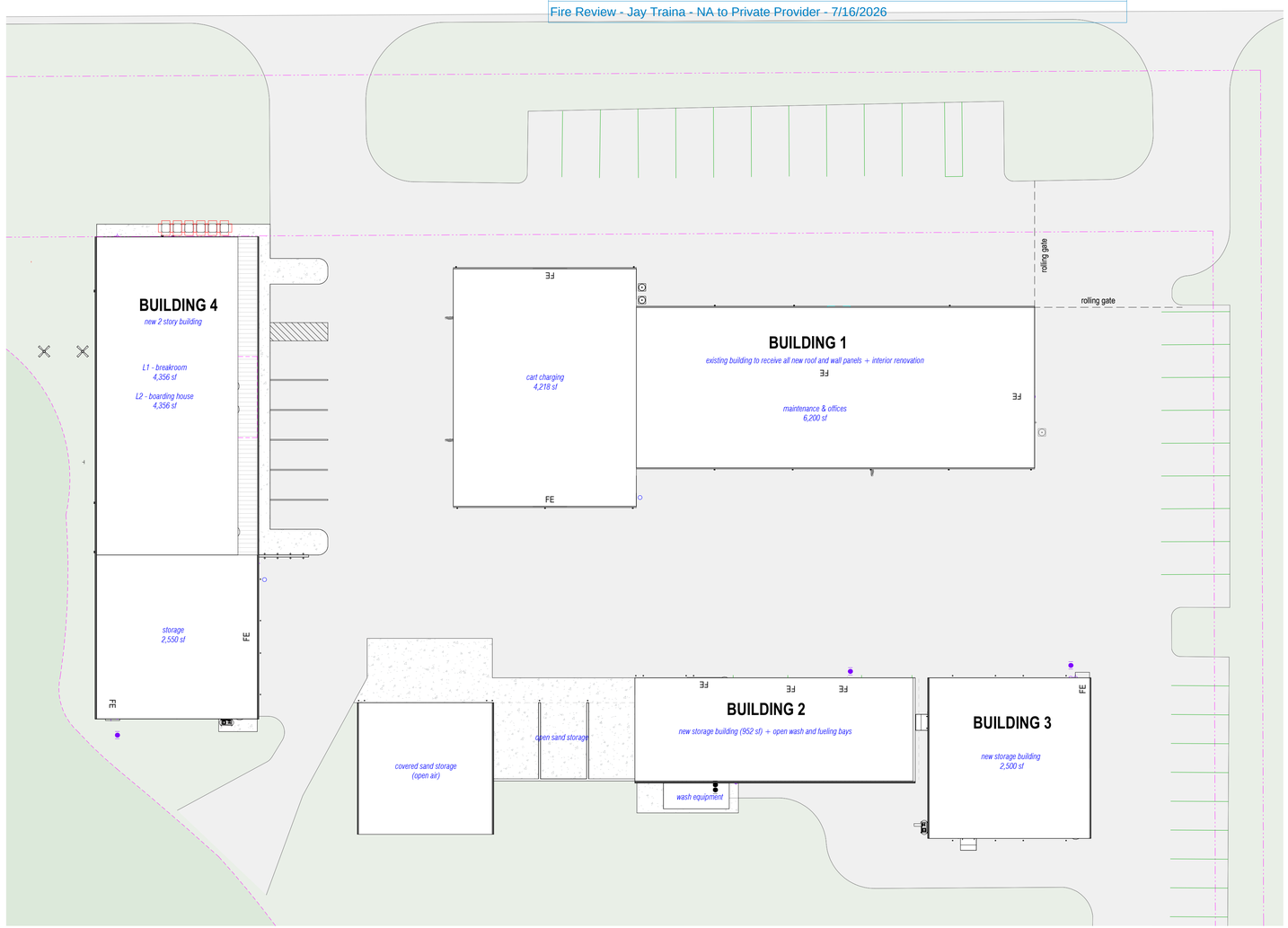
Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026




north 1 SITE PLAN
1" = 20'-0"

ARCHITECTURAL SITE PLAN FOR BUILDING LOCATION REFERENCE ONLY. REFER TO CIVIL PLANS FOR SITE LAYOUT AND DETAILS.

LAFATE WILSON
architects

1030 arlington ave n, st petersburg fl 33705
(727) 490-9483
studio@lafatewilson.com

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# OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |
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# A-002

## ARCHITECTURAL SITE PLAN

sheet size 24" x 36"

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ECS, Florida LLC
41-5640-BLD4 7/20/2026

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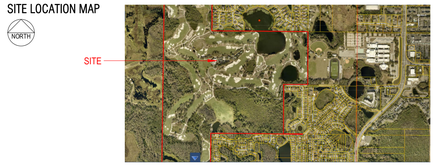
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026

# OLD MEMORIAL

**SITE ADDRESS** 13600 Hixon Rd, Tampa, FL 33626

**SITE LOCATION MAP**




**OWNER** HILLSBOROUGH GOLF DEV INC

**CONTRACTOR** TBD

**ARCHITECT** LAFATE WILSON
1030 ARLINGTON AVE N, ST PETERSBURG FL 33705

**MEP ENGINEER** Joseph Lawrence & Co
317 Riveredge Blvd, Suite 110
Cocoa, Florida 32922

**SCOPE NARRATIVE**
BUILDING 4 IS A NEW NON-SEPARATED MIXED USE BUILDING WITH OFFICE, STORAGE AND BOARDING HOUSE FUNCTION. THE BUILDING STRUCTURE IS A PRE-FAB METAL BUILDING WITH HARDI SIDING. THE SCOPE INCLUDES ALL NEW MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS.

## SITE DATA

| | |
|---|---|
| PARCEL ID | U-03-28-17-ZZZ-000000-26610.0 |
| LEGAL DESCRIPTION | SW 1/4 OF NE 1/4 AND S 1/2 OF NW 1/4, NW 1/4 OF NW 1/4, W 1/2 OF SW 1/4 & NE 1/4 OF SW 1/4 & W 1/2 OF NW 1/4 OF SE 1/4 |
| LOT SIZE | 315 ACRES |
| FLOOD ZONE | X |
| PERMITTING JURISDICTION<br>ZONING DISTRICT | HILLSBOROUGH COUNTY<br>AS-1 AGRICULTURAL, SINGLE-FAMILY |
| BUILDING CODE EDITIONS | 8TH EDITION 2023 FBC - BUILDING<br>8TH EDITION 2023 FBC - ENERGY<br>8TH EDITION 2023 FBC - TEST PROTOCOL<br>8TH EDITION 2023 FBC - PLUMBING<br>8TH EDITION 2023 FBC - MECHANICAL<br>8TH EDITION 2023 FBC - FUEL GAS<br>8TH EDITION 2023 FBC - ACCESSIBILITY<br>8TH EDITION 2023 FLORIDA FIRE PREVENTION CODE<br>NEC 2020 NATIONAL ELECTRICAL CODE - NFPA 70 |

## BUILDING 4

| | |
|---|---|
| GROUND FLOOR | 6,906 SF |
| SECOND FLOOR | 4,384 SF |
| **TOTAL BUILDING AREA** | **11,290 SF** |

2 STORIES PROVIDED
BUILDING HEIGHT = 27'-10" TO TOP OF ROOF

## BUILDING CODE DATA

| | |
|---|---|
| OCCUPANCY | SEPARATED MIXED USE: A-2/R-3/S-1 |
| CONSTRUCTION TYPE | 2B SPRINKLERED |
| ALLOWABLE BUILDING HEIGHT | 75' |
| ALLOWABLE STORIES | 2 STORIES |
| ALLOWABLE BUILDING AREA | 38,000 SF |

FIRE RESISTANCE RATING

| | WALLS & PARTITIONS |
|---|---|
| PRIMARY STRUCTURAL FRAME | 0 HR |
| EXTERIOR BEARING WALLS | 0 HR |
| INTERIOR BEARING WALLS | 0 HR |
| INTERIOR NON-BEARING WALLS | 0 HR |
| FLOOR / CEILING CONSTRUCTION | 0 HR |
| ROOF CONSTUCTION | 0 HR |

| | |
|---|---|
| SPRINKLER SYSTEM | YES |
| FIRE EXTINGUISHERS | TYPE 2-A 10-B:C, 75' MAX TRAVEL DISTANCE TO EXTINGUISHER |
| INTERIOR WALL & CEILING FINISHES CLASSIFICATION | B FOR A-2 SPACES, C FOR S AND R-3 SPACES |
| EXIT ACCESS TRAVEL DISTANCE | 250 FFET |
| MAX COMMON PATH OF TAVEL | A - 75 FEET<br>R-3 - 125 FEET<br>S - 100 FEET |
| FIRE ALARM SYSTEM | REQUIRED |

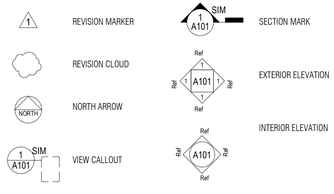
## FLORIDA PRODUCT APPROVAL

| | | |
|---|---|---|
| **SECTIONAL DOOR** | | |
| OVERHEAD DOOR CORPORATION | EXTERIOR DOOR | FL11734-R10 |
| **SINGLE SWING DOOR** | | |
| NEXT DOOR COMPANY | EXTERIOR DOOR | FL12648-R7 |
| **EXTERIOR SWINGING FRENCH DOOR** | | |
| PGT INDUSTRIES | EXTERIOR DOOR | FL253.4 |
| **SINGLE HUNG WINDOW** | | |
| PGT INDUSTRIES | EXTERIOR WINDOW | FL239.2 |

## GENERAL NOTES

1. EXISTING ITEMS AND CONDITIONS ARE DEPICTED AND DESCRIBED ON THESE DRAWINGS ACCORDING TO THE BEST AVAILABLE INFORMATION AND SURVEYS. THE ARCHITECT PROVIDES NO ASSURANCE AS TO, AND ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THESE DEPICTIONS AND DESCRIPTIONS. FIELD VERIFY AND DETERMINE, BY ANY MEANS NECESSARY, THE ACTUAL LOCATION, CONFIGURATION AND CONDITION OF ALL PERTINENT ITEMS, INCLUDING THOSE THAT MAY BE IN CONCEALED LOCATIONS. IF INVESTIGATION DISCOVERS THAT ACTUAL CONDITIONS DIFFER FROM WHAT IS DEPICTED OR DESCRIBED ON THESE DRAWINGS OR IF THE ITEMS AND CONDITIONS THAT ARE TO REMAIN AS PART OF THE FINISHED WORK ARE UNSUITABLE TO SUPPORT OR ACCOMMODATE THE WORK REQUIRED FOR THIS PROJECT, OR DO NOT COMPLY WITH BUILDING CODE REQUIREMENTS OR MEET CONSTRUCTION INDUSTRY STANDARDS, IMMEDIATELY NOTIFY THE ARCHITECT BY RFI AND DO NOT PROCEED WITH THE WORK UNTIL RECEIPT OF SUPPLEMENTAL INSTRUCTIONS FROM THE ARCHITECT.
2. DO NOT SCALE DRAWINGS. THE DIMENSIONS ON THE DRAWINGS GOVERN. WRITTEN NOTES REFERENCING AN ITEM WITH THE WORD ' TYPICAL' (TYP) APPLY TO ALL IDENTICAL ITEMS OR FEATURES INDICATED ELSEWHERE ON THE DRAWINGS.
3. ESTABLISH AREAS AND LIMITS OF CONSTRUCTION ACTIVITY ACCEPTABLE TO THE OWNER AND PROVIDE THE TEMPORARY FACILITIES REQUIRED TO ACCOMPLISH THE WORK INCLUDING; FIELD OFFICE, TOILETS, ELECTRIC SERVICE, SITE ACCESS, PARKING, STORAGE AND CONSTRUCTION STAGING AREAS. PROVIDE TEMPORARY WALKWAYS, DRIVEWAYS, BARRIERS, SIGNS AND ILLUMINATION TO SEPARATE AND PROTECT THE GENERAL PUBLIC FROM THE WORK RELATED ACTIVITIES. PROVIDE ACCESS ROUTES TO AND FROM AREAS OF CONSTRUCTION ACTIVITY FOR CONSTRUCTION PERSONNEL THAT COMPLY WITH ALL OSHA AND OTHER GOVERNMENT SAFETY AND ACCESSIBILITY REQUIREMENTS. ASSUME FULL LIABILITY FOR ANY DAMAGE TO ADJACENT PROPERTIES, DAMAGE TO PERSONAL PROPERTY, INJURY TO PERSONS, ETC. CAUSED BY WORK RELATED ACTIVITIES OR NEGLIGENCE.
4. PROVIDE TEMPORARY SHORING AS REQUIRED TO ADEQUATELY SUPPORT AND RETAIN EXISTING MATERIALS AND CONSTRUCTION AFFECTED BY THE WORK. PROTECT THOSE ITEMS, MATERIALS & FINISHES TO REMAIN. REMOVE ONLY THOSE ITEMS AND MATERIALS NECESSARY TO ACCOMMODATE THE WORK WITH CLEAN, UNIFORM CUTS. FILL AND PATCH REMAINING CONSTRUCTION AS REQUIRED WITH MATERIALS MATCHING THE ADJACENT MATERIALS IN KIND, STRENGTH, AND APPEARANCE SO AS TO FINISH UNIFORMLY WITHOUT TELEGRAPHING DIFFERENCES BETWEEN THE PATCHES AND THE ADJACENT CONSTRUCTION. REPAIR OR REPLACE ANY ITEMS, MATERIALS OR FINISHES DAMAGED BY THE WORK AT NO COST TO THE OWNER.
5. PROVIDE THE ITEMS, PRODUCTS AND FEATURES AS DEPICTED, DESCRIBED AND SPECIFIED ON THE DRAWINGS. IF DISCREPANCIES ARE DISCOVERED ON THE DRAWINGS, NOTIFY THE ARCHITECT BY RFI AND DO NOT PROCEED WITH WORK RELATED TO ITEMS IN QUESTION UNTIL RECEIPT OF SUPPLEMENTAL INSTRUCTIONS FROM THE ARCHITECT. REQUESTS FOR SUBSTITUTIONS MAY BE SUBMITTED TO THE ARCHITECT FOR CONSIDERATION. DO NOT MAKE SUBSTITUTIONS WITHOUT THE APPROVAL OF THE ARCHITECT. WHERE A 'BASIS-OF-DESIGN' PRODUCT IS SPECIFIED, A COMPARABLE PRODUCT MAY BE PROVIDED, SUBJECT TO COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
6. SUBMIT SHOP DRAWINGS, PRODUCT DATA AND SAMPLES TO THE ARCHITECT FOR REVIEW AS REQUIRED BY THE CONTRACT DOCUMENTS. DO NOT PROCEED WITH WORK RELATED TO SUBMITTALS MARKED "REJECTED" OR "REVISE AND RESUBMIT" BY THE ARCHITECT OR THE ARCHITECT'S CONSULTANTS. SUBMITTALS MARKED "APPROVED", "NO EXCEPTION TAKEN" OR "MAKE CORRECTIONS NOTED" DO NOT SUPERSEDE THE NEED TO COMPLY WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. SHOP DRAWINGS/SUBMITTALS ARE REQUIRED FOR BUT NOT LIMITED TO THE FOLLOWING: MILLWORK, STRUCTURAL/MISCELLANEOUS STEEL, HARDWARE, WOOD AND METAL DOORS, AND EQUIPMENT. SHOP DRAWINGS SHOULD INCLUDE DETAILED FABRICATION AND ERECTION DRAWINGS, SETTING DRAWINGS, AND MATERIAL SCHEDULES. FABRICATION SHALL BEGIN ONLY AFTER ARCHITECT'S REVIEW AND APPROVAL OF SHOP DRAWINGS.
7. PROVIDE A FLORIDA PRODUCT APPROVAL ISSUED BY THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION OR A MIAMI-DADE NOTICE OF ACCEPTANCE (NOA) ISSUED BY THE MIAMI-DADE COUNTY GOVERNMENT FOR EACH EXTERIOR COMPONENT AND CLADDING ASSEMBLY CERTIFYING THAT APPROVED TESTING HAS SUFFICIENTLY DEMONSTRATED THAT THE ASSEMBLY AND IT'S COMPONENTS, AS DESIGNED AND MANUFACTURED, WILL WITHSTAND THE WIND LOADS AND WIND-BORNE MISSILE IMPACTS IN COMPLIANCE WITH ALL CODE AND JURISDICTIONAL REQUIREMENTS FOR THE PROJECT LOCATION WHEN INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS INCLUDING INSTRUCTIONS THAT MAY BE PROVIDED WITH THE FLORIDA PRODUCT APPROVAL OR NOA DOCUMENTS. PROVIDE THESE DOCUMENTS AS PART OF THE SUBMITTAL FOR EACH OF THESE ITEMS AND ASSEMBLIES FOR BCA APPROVAL.
8. PROVIDE ALL ITEMS AND FEATURES DEPICTED AND DESCRIBED ON THESE DRAWINGS AND OTHER CONTRACT DOCUMENTS SO THEY ARE PROPERLY PLACED, ALIGNED, PLUMB, SECURED, FINISHED AND FUNCTIONING AS INTENDED. PROVIDE FINISHED WORK THAT MEETS OR EXCEEDS CURRENT INDUSTRY STANDARDS FOR QUALITY AND PERFORMANCE. ARRANGE AND CONDUCT INSPECTIONS OF THE FINISHED WORK WITH THE OWNER, THE ARCHITECT, AND THE AUTHORITY HAVING JURISDICTION. APPROVAL OF THE WORK BY THESE OR ANY OTHER PARTY OR AGENCY DOES NOT SUPERSEDE THE NEED TO COMPLY WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
9. REMOVE CONSTRUCTION DEBRIS, INCLUDING DEMOLISHED MATERIALS, FROM THE SITE AS REQUIRED TO PREVENT ACCUMULATION. TRANSPORT THESE MATERIALS OFF THE SITE IN A MANNER THAT WILL PREVENT SPILLAGE AND LEGALLY DISPOSE OF THESE MATERIALS AT AN EPA APPROVED DISPOSAL OR RECYCLING FACILITY.
10. KEEP COMPLETE AND LEGIBLE SETS OF CONSTRUCTION DOCUMENTS, ADDENDA, SUPPLEMENTAL INSTRUCTIONS, SUPPLEMENTAL DRAWINGS, MEETING NOTES, ETC. TOGETHER AND READILY AVAILABLE IN AN APPROPRIATE LOCATION ON SITE.
11. CONCEAL CONDUIT, PIPING, ETC. WITHOUT EXCEPTION. PROVIDE ACCESSIBLE JUNCTION BOXES, VALVES, CLEANOUTS, ETC., AS REQUIRED BY CODE.
12. WHERE POSSIBLE AND BEST PRACTICE, ALIGN THE SEAMS AND EDGES OF BREAK METAL AND FLASHING WITH ADJACENT REVEALS, EDGES OF MATERIAL TRANSITIONS, OR WITH BUILDING DESIGN FEATURES. CONSULT WITH ARCHITECT AS REQUIRED.
13. PER OWNER - CONTRACTOR AGREEMENT, PROJECT TO FOLLOW ALL OSHA STANDARDS AND REQUIREMENTS. INCLUDE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) EXCAVATION SAFETY STANDARD 29 C.P.R., SECTION 1926 630 SUBPART P, WHICH ARE INCORPORATED AS THE STATE STANDARD

## TAG LEGENED




## ABBREVIATIONS

| | |
|---|---|
| A/C | AIR CONDITIONING |
| AD | AREA DRAIN |
| ADA | AMERICANS WITH DISABILITIES ACT |
| ADD | ADDITIONAL |
| ADJ | ADJUSTABLE |
| AFF | ABOVE FINISH FLOOR |
| ALT | ALTERNATE |
| AL | ALUMINUM |
| ARCH | ARCHITECTURAL |
| A/V | AUDIO VISUAL |
| BLDG | BUILDING |
| CFMF | COLD FORM METAL FRAMING |
| CJ | CONTROL JOINT / CONSTRUCTION JOINT |
| CL | CENTER LINE |
| CLG | CEILING |
| CLR | CLEAR |
| CMU | CONCRETE MASONRY UNIT |
| CO | CLEANOUT |
| COL | COLUMN |
| CONC | CONCRETE |
| CTR | CENTER |
| DBL | DOUBLE |
| DEMO | DEMOLITION |
| DEPT | DEPARTMENT |
| DF | DRINKING FOUNTAIN |
| DIA | DIAMETER |
| DIFF | DIFFUSER |
| DIM | DIMENSION |
| DN | DOWN |
| DWG | DRAWING |
| EA | EACH |
| EJ | EXPANSION JOINT |
| ELEV | ELEVATION |
| ELEC | ELECTRICAL |
| EQ | EQUAL |
| EQUIP | EQUIPMENT |
| EWC | ELECTRICAL WATER COOLER |
| EXIST | EXISTING |
| EXP | EXPANSION |
| EXT | EXTERIOR |
| FA | FIRE ALARM |
| FACP | FIRE ALARM CONTROL PANEL |
| FD | FLOOR DRAIN |
| FDC | FIRE DEPARTMENT CONNECTION |
| FEC | FIRE EXTINGUISHER CABINET |
| FEX | FIRE EXTINGUISHER |
| FF | FINISH FLOOR |
| FF&E | FURNITURE, FINISHES & EQUIPMENT |
| FIN | FINISH |
| FIXT | FIXTURE |
| FT | FEET |
| FURN | FURNITURE/ FURNISHED |
| GC | GENERAL CONTRACT/OR |
| GWB | GYPSUM WALLBOARD |
| HB | HOSE BIBB |
| HDW | HARDWARE |
| HM | HOLLOW METAL |
| HSS | HOLLOW STRUCTURAL SECTION |
| HT | HEIGHT |
| HVAC | HEATING, VENTILATING, AIR CONDITIONING |
| HW | HOT WATER |
| IN | INCH |
| LAV | LAVATORY |
| MAX | MAXIMUM |
| MECH | MECHANICAL |
| MEP | MECHANICAL, ELECTRICAL, PLUMBING |
| MFR | MANUFACTURER |
| MISC | MISCELLANEOUS |
| MTD | MOUNTED |
| MTL | METAL |
| MULL | MULLION |
| N/A | NOT APPLICABLE |
| NC | NOISE CRITERIA |
| NIC | NOT IN CONTRACT |
| NOM | NOMINAL |
| NRC | NOISE REDUCTION COEFFICIENT |
| NTS | NOT TO SCALE |
| OC | ON CENTER |
| OH | OVER HEAD |
| PLAM | PLASTIC LAMINATE |
| PLBG | PLUMBING |
| PREFAB | PREFABRICATED |
| PT | PRESSURE TREATED |
| PTD | PAINTED |
| PTN | PARTITION |
| PTxx | PAINT |
| QC | QUALITY CONTROL |
| QTY | QUANTITY |
| R | RADIUS |
| RCP | REFLECTED CEILING PLAN |
| RD | ROOF DRAIN |
| REC | RECESSED |
| REF | REFERENCE |
| REQ | REQUIRE / REQUIRED |
| REV | REVISION / REVISED |
| RM | ROOM |
| SCHED | SCHEDULE |
| SD | STORM DRAIN |
| SECT | SECTION |
| SF | SQUARE FEET/FOOT |
| SHT | SHEET |
| SIM | SIMILAR |
| SPEC | SPECIFICATION |
| SPKR | SPEAKER |
| SPR | SPRINKLER |
| SS | STAINLESS STEEL |
| SSK | SERVICE SINK |
| STD | STANDARD |
| STL | STEEL |
| STOR | STORAGE |
| STRL | STRUCTURAL |
| SUSP | SUSPENDED |
| SYMM | SYMMETRICAL |
| TEL | TELEPHONE OR TELECOM |
| THK | THICKNESS |
| THRU | THROUGH |
| TV | TELEVISION |
| TYP | TYPICAL |
| UL | UNDERWRITERS LABORATORY |
| UNFIN | UNFINISHED |
| U.N.O. | UNLESS NOTED OTHERWISE |
| UR | URINAL |
| VCT | VINYL COMPOSITION TILE |
| VERT | VERTICAL |
| VEST | VESTIBULE |
| VIF | VERIFY IN FIELD |
| W | WIDE, WIDTH |
| W/ | WITH |
| W/O | WITHOUT |
| WC | WATER CLOSET |
| WD | WOOD |
| XTR | EXISTING TO REMAIN |

**Note to Plan Reviewer:**
**fire sprinkler and fire alarm to be a deferred submittal**

| SHEET # | SHEET NAME |
|---|---|
| A4-000 | COVER SHEET |
| A4-001 | UL DETAILS |
| A4-002 | UL DETAILS |
| A4-100 | LIFESAFETY PLAN |
| A4-101 | FLOOR PLANS |
| A4-102 | CEILING PLANS |
| A4-103 | ROOF PLAN |
| A4-104 | ELEVATIONS |
| A4-105 | WALL SECTIONS |
| A4-106 | DOOR & WINDOW SCHEDULES |
| A4-106B | DOOR HARDWARE |
| A4-107 | ENLARGED PLANS & INTERIOR ELEVATIONS |
| A4-108 | ENLARGED PLANS & INTERIOR ELEVATIONS |
| A4-109 | ENLARGED PLANS & INTERIOR ELEVATIONS |
| A4-110 | ENLARGED STAIR PLAN AND DETAILS |
| A4-120 | FINISH PLAN |
| A-002 | ARCHITECTURAL SITE PLAN |

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studio@lafatewilson.com

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A4-000
COVER SHEET

sheet size 24" x 36"

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Product iQ®

## Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States
BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

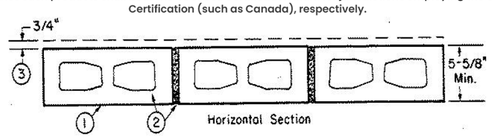
See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

# Design No. U906

January 14, 2026

**Bearing Wall Rating — 2 HR.**
**Nonbearing Wall Rating — 2 HR.**
**This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7**

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**




1. **Concrete Blocks* —** Nominal 6 by 8 by 16 in, hollow or solid. Various designs. Classification (2 hr). See **Concrete Blocks** category for list of eligible manufacturers.

**ANCHOR CONCRETE PRODUCTS INC**

**GAGNE & SON CONCRETE BLOCK INC**

**GLENWOOD MASONRY PRODUCTS**

Allowable compressive stress of 57% of max allowable compressive stress in accordance with the empirical design method.

**OLDCASTLE APG SOUTH INC, DBA ADAMS PRODUCTS**

**WESTBROOK CONCRETE BLOCK CO INC**

Allowable compressive stress of 75.6% of max allowable compressive stress in accordance with the empirical design method.

2. **Mortar —** Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. **Portland Cement Stucco or Gypsum Plaster —** Add 1/2 hr to Classification if used. Attached to concrete blocks (Item 1).

4. **Foamed Plastic* —** (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).
**ATLAS ROOFING CORP** — EnergyShield Pro Wall Insulation, EnergyShield Pro 2 Wall Insulation, EnergyShield CGF Pro, EnergyShield Ply Pro, EnergyShield® CGF, EnergyShield® PanelCast, EnergyShield® and "EnergyShield® XR

**DUPONT DE NEMOURS, INC.** — Types Thermax Sheathing, Thermax Light Duty Insulation, Thermax Heavy Duty Insulation, Thermax Metal Building Board, Thermax White Finish Insulation, Thermax ci Exterior Insulation, Thermax XARMOR ci Exterior Insulation, Thermax IH Insulation, Thermax Plus Liner Panel, Thermax Heavy Duty Plus (HDP), TUFF-R™ ci Insulation, Thermax Butler Stylwall Insulation Board and Thermax Morton Heavy Duty Insulation Board

**Amrize Building Envelope LLC** — "Enverge™ CI Foil Exterior Wall Insulation" and "Enverge™ CI Glass Exterior Wall Insulation"

**HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC** — Types "Xci-Class A", "Xci 286", "Xci Foil (Class A)"

**RMAX, A BUSINESS UNIT OF SIKA CORPORATION** — Types "TSX-8500", "ECOMAXci FR", "TSX-8510", "ECOMAX xi FR White", "ECOMAXci", "ECOMAXci FR Air Barrier", "Thermasheath-XP", "Thermasheath", "Durasheath"

**JOHNS MANVILLE** — Type 1A Foil-Faced Foam Sheathing

4A. **Building Units* —** As an alternate to Item 4, min. 1-in thick polyisocyanurate composite foamed plastic insulation boards, nom. 48 by 48 or 96 in.

**ATLAS ROOFING CORP** — EnergyShield® Ply

**RMAX, A BUSINESS UNIT OF SIKA CORPORATION** — "Thermasheath-SI", "ECOBASEci", "ThermaBase-CI", "ECOMAXci FR Ply", "ECOMAXci Ply"

4B. **Foamed Plastic* — (Optional — Not Shown)** — As an alternate to Item 4 - Expanded polystyrene insulation installed at a maximum nominal density of 2.0 lb/ft$^3$ attached to concrete blocks (Item 1).

**BASF CORP STYRENIC FOAMS DIV —** Neopor® GPS and NeoTherm GPS

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2026-01-14

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Product iQ®

## Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States
BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

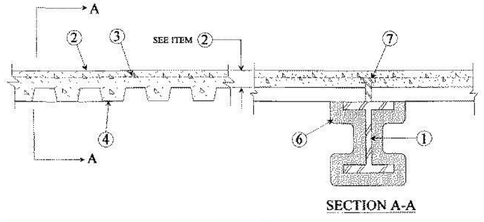
See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

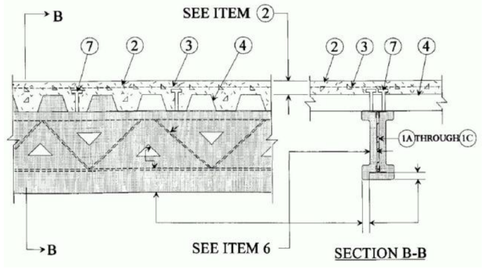
# Design No. D902

March 11, 2026

**Restrained Assembly Ratings — 1, 1-1/2, 2 and 3 Hr.**
**Unrestrained Assembly Ratings — 0, 1, 1-1/2, 2 or 3 Hr. (See Items 4 & 6)**
**Unrestrained Beam Ratings — 1, 1-1/2, 2 and 3 Hr.**
**This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7**

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**




1. **Beam —** W8X28, W8x24, W6x12 or W6x9, min size, see Items 6 through 6F.

1A. **Steel Joists —** (Not Shown) — As an alternate to Item 1 — Composite or non-composite min 8k1 or min depth and weight shall be 8 in. and 4.9 lb/ft respectively. May be uncoated or provided with a shop coat of paint. Designed per S.J.I. specifications for a max design stress of 30, 000 psi (30 ksi). Welded or bolted to end supports. The top chords shall consist of two angles measuring 1-1/4 by 1-1/4 by 0.127 in. thick. Bottom chords shall consist of two round bars measuring 0.566 in. in diam. or two angles measuring 1 by 1 by 0.125 in. thick. Bearing plates shall consist of two angles measuring 1-1/2 by 2 by 0.188 in. thick and 5-1/16 in. long. Web members shall consist of 0.565 in. diam bars.

1B. **Steel Joists —** (Not Shown) — As an alternate to Item 1 — Composite or non-composite min 12k5 or min depth and weight shall be 12 in. and 7.1 lb/ft respectively. May be uncoated or provided with a shop coat of paint. Designed per S.J.I. specifications for a max design stress of 30, 000 psi (30 ksi). Welded or bolted to end supports. Top chords shall consist of two angles measuring 1-1/2 by 1-1/2 by 0.156 in. thick. Bottom chords shall consist of two round bars measuring 0.675 in. in diam. or two angles measuring 1 by 1 by 0.125 in. thick. Bearing plates shall consist of two angles measuring 2 by 2 by 0.192 in. thick and shall be min 4-15/16 in long. The second web member at each end shall consist of 0.654 in. diam round bar. All remaining web members, including the end web members, shall consist of 0.774 in. diam round bars. Bridging per S.J.I. specifications is required when non-composite joists are used.

1C. **Steel Joists —** (Not Shown) — As an alternate to Item 1 — Composite or non-composite min 12k5 or min depth and weight shall be 12 in. and 7.1 lb/ft respectively. May be uncoated or provided with a shop coat of paint. Designed per S.J.I. specifications for a max design stress of 30, 000 psi (30 ksi). Welded or bolted to end supports. Top chords shall consist of two angles measuring 1-1/2 by 1-1/2 by 0.156 in. thick. Bottom chord shall consist of two round bars measuring 0.675 in. in diam. or two nangles measuring 1 by 1 by 0.125 in. thick. The second web member at each end shall consist of 0.654 in. diam round bar. All remaining web members, including the end web members, shall consist of 0.774 in. diam round bars. Bridging per S.J.I. specifications is required when non-composite joists are used.
Note: Additional beams or joists from the N series designs may be substituted for the listed beam (item 1) or joist (item 1A) respectively. When joists are substituted, the restrained rating of the joist must be equal to or greater than the restrained rating of the assembly. Additional beam and joist substitution requirements are in the front of the Fire Resistance Directory - III. FLOOR-CEILINGS AND ROOF-CEILING, item 7 -Steel Joist or IV. BEAMS.

2. **Normal Weight or Light Weight Concrete —** Normal weight concrete, carbonate or siliceous aggregate, 3500 psi compressive strength, vibrated. Light weight concrete, expanded shale or slate aggregate by rotary-kiln method or expanded clay aggregate by rotary-kiln or sintered-grate method, or pelletized expanded blast furnace slag aggregate, 3000 psi compressive strength, vibrated, 4 to 7 per cent entrained air.

| Restrained Assembly Rating Hr | Concrete (Type) | Concrete Unit Weight pcf | Concrete Thkns in. |
|---|---|---|---|
| 1 | Normal Weight | 147-153 | 3-1/2 |
| 1-1/2 | Normal Weight | 147-153 | 4 |
| 2 | Normal Weight | 147-153 | 4-1/2 |
| 3 | Normal Weight | 147-153 | 5-1/4 |
| 1 | Light Weight | 107-113 | 2-1/2 |
| 1 | Light Weight | 107-120 | 2-5/8 |
| 1-1/2 | Light Weight | 107-113 | 3 |
| 2 | Light Weight | 107-113 | 3-1/4 |
| 2 | Light Weight | 107-116 | 3-1/4* |
| 2 | Light Weight | 114-120 | 3-1/2 |
| 3 | Light Weight | 107-113 | 4-3/16 |
| 3 | Light Weight | 114-120 | 4-7/16 |

* With 2 and 3 in. deep steel floor units only.

3. **Welded Wire Fabric —** 6x6 - W1.4xW1.4.

OLD MEMORIAL
13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |

A4-001
UL DETAILS

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Joy Frahn - NA to Private Provider 7/18/2026

3A. **Negative Reinforcement —** (Optional, Not Shown) Used in lieu of Item 3 and with Items 3B or 3C. For floor spans with concrete cast continuous over the supporting beams. Deformed bars designed to resist the support moments of the concrete slab in accordance with the latest ACI Building Code Specifications.

3B. **Fiber Reinforcement* —** (Not Shown) — Required with Item 3A. Engineered synthetic fibers added to concrete mix to control shrinkage cracks in concrete. Fibers added to concrete mix at rate of 1 lb of fiber for each cubic yard of concrete.
**SIKA CORPORATION** — Fibermesh 150 and Fibermesh 300.

3C. **Fiber Reinforcement* —** (Not Shown) — Required with Item 3A. Any fiber reinforcement bearing the UL Classification Marking for Fire Resistance, Classified for use in lieu of welded wire fabric.

See **Fiber Reinforcement** (CBXQ) Category for names of manufacturers.

4. **Steel Floor and Form Units* —** Composite or non-composite, 1-1/2, 1-5/8 , 2 or 3 in. deep galv units or 4-1/2 in. deep non-composite galv units. Fluted units may be phos/ptd. Min gauges are 22 MSG for fluted and 20/20 for cellular and partial cellular units. The following combinations of units may be used:
(1) All 24, 26, 28 or 36 in. wide cellular or partial cellular.

(2) All fluted.

(3) One or two 3 in. deep, 12 in. wide, 18/18 MSG min cellular alternating with 3 in. deep fluted or other cellular.

(4) Any blend of fluted and 24, 26, 28 or 36 in. wide cellular or partial cellular.

(5) Corrugated, nom 1-5/16 or 2 in. deep, 30 in. wide, 24 MSG min galv units with shear wires factory welded to deck corrugations. Welded to supports 12 in. OC through welding washers. For shear wire spacing of 8 in. or less the steel deck stress shall not exceed 20 KSI. For shear wire spacing greater than 8 in. OC but less than or equal to 12 in. OC steel deck stress shall not exceed 12 KSI.

**AGWAY METALS INC** — 24 to 36 in. wide Types CD36 , CD36 Inverted , CD75-150, CD75-150 Inverted, CD75-200 Inverted, CD75-300 , RD75-300.

**ASC STEEL DECK, DIV OF ASC PROFILES L L C** — 32 in. wide Types NH-32, NHN-32, NHF-32; 36 in. wide, Types BH-36, BHN-36, BHN-35-1/4, BHF-36, BHF-36A, 2WH-36, 2WHS-36, 2WHF-36, 2WHF-36A, 3WxH-36, 3WxHF-36, 3WxHF-36A, 3WH-36, 3WHF-36, 3WHF-36A, 3W-36, 3WF-36, DG3W-36, DG3WF-36. All units may be galvanized or Prime Shield. Non-cellular decks may be vented designated with a "V" suffix to the product name. Cellular deck top and bottom sections may be riveted together (designated with "Fr") vs. arc spot welded, "F"

**CANAM GROUP INC** — 24 in. wide Type P-2432 composite or 36 in. wide Type P-3623, P-3606, P-3615 and 24 in wide Type P-2432 composite, Type P-3606 and P-3615 non-composite; 24 or 36 in. wide Type 3 in. LOK-Floor; 36 in. wide Types 1.5B, 1.5BI, 1.5BL and 1.5BL; 24 in. or 36 in. wide, Type LF2.

**CANAM STEEL CORP** — 12 or 24 in. wide, Types 1-1/2, 2, or 3 in. LOK-Floor and LOK-Floor Cell; 36 in. wide, Types 2 or 3 in. LOK-Floor and LOK-Floor Cell; 24, 30 or 36 in. wide, Type 1-1/2 in. B-LOK and B-LOK Cell; 24 in.

(d) 3 in. deep, 36 in. wide, 18 MSG or thicker fluted and 24 in. wide, 20/18 MSG or thicker cellular with clear spans not more than 13 ft, 2 in.
For assemblies utilizing 3-1/4 in. light weight concrete topping with a max Restrained Assembly Rating of 2 Hr, the Unrestrained Assembly Rating is equal to the Unrestrained Beam Rating (See Item 6) and is limited to the following floor units and spans:

(a) 1-1/2, 2 and 3 in. deep, 24 or 36 in. wide, 22 MSG fluted and 20/20 MSG cellular with clear spans not more than 9 ft, 6 in.

(b) 2 and 3 in. deep, 24 or 36 in. wide, 20 MSG fluted and 20/20 MSG cellular with clear spans not more than 10 ft, 0 in.

(c) 3 in. deep, 24 in. wide, 20 MSG fluted and 20/20 MSG cellular with clear spans not more than 13 ft, 2 in.

4A. **Steel Floor and Form Units* —** As an alternate to Item 4. Nom 8 or 9 in. deep composite, galv steel units. Min thickness 0.0375 inch (20 MSG). Side joints of adjacent units fully overlapping, fastened together by using 1-1/4 in. long self-drilling, self-tapping steel screws driven through Shear-Bond Clips (not shown) at 13-3/4 in. OC. Steel end closures flashings (not shown) made of min 0.056 inch thick (16 MSG) galv steel, fixed to the steel work before decking is placed.
In addition to the Steel Floor and Form Units, the following components are required:

(a) Welded Wire Fabric — 6 X 6 - Min wire thickness W2.9 X W2.9 slab reinforcement. As an alternate, max # 4 bars spaced 12-in. OC in both directions shall be used. When re-bars are used, the concrete slab thickness shall be increased a minimum 5/16 in.

(b) Rib Reinforcement —Min. #4 rebar. Min concrete cover below the steel reinforcement shall be 1-9/16 in. Reinforcement support chairs spaced at max 41-1/2 inches OC.

The flute areas above the beam/joist are to be : (1) filled with concrete, (2) filled with Spray-Applied Fire Resistive Material or (3) the beam/joist coated with Spray-Applied Fire Resistive Material installed as described in the design to thickness required when all cellular Steel Floor and Form Units are used.

See Design No. D989 for a typical illustration of the components. Consult the deck manufacturer for comprehensive load tables and design parameters referencing UL Design D989.

**BAILEY METAL PRODUCTS LTD** — Type COMSLAB™ 120, COMSLAB™ 210 and COMSLAB™ 225, Steel End Closure Flashing

5. **Joint Cover —** (Use with fluted units optional — Not Shown) — 2 in. wide cloth adhesive tape applied following the contour of the units.

6. **Spray-Applied Fire Resistive Materials* —** Applied by spraying with water to the final thicknesses shown below. When fluted steel deck is used and the fire protection thickness selected is based on all fluted deck, the area between the steel deck and the top flange of the steel beam shall be filled. When fluted steel deck is used and the steel beam is sprayed with the thicknesses applicable to cellular of blended units, the area between the steel deck and the top flange of the steel beam shall be plugged. Beam surfaces must be clean and free of dirt, loose scale, and oil. Min average density of 13 pcf with min. individual density of 11 pcf for Types II, II HS, or DC/F. Min average and min individual densities of 22 pcf and 19 pcf, respectively, for type HP. For method of density determination, refer to Design Information Section. The thickness of the Spray-Applied Fire Resistive Materials on the Structural Members (Item 1, 1A, or 1B) shall be as follows:

| | | | Min Thkns Spray Applied Resistive Mtl, In | | | | | |
|---|---|---|---|---|---|---|---|---|
| Restrained Assembly Rating Hr | Unrestrained Beam Rating Hr | Concrete Type | W6x9 When Deck Is All Fluted | W6x9 When Deck Is Blend or All Cellular | W8x28 When Deck Is All Fluted | W8x28 When Deck Is Blend or All Cellular | Joist Item 1A When Deck Is Fluted Cellular or Blend | Joist Item 1B When Deck Is Fluted Cellular or Blend |
| 1 | 1 | NW | 9/16,15/16* | 9/16, 1* | 3/8,5/8* | 3/8,11/16* | 1+ | — |
| 1-1/2 | 1 | NW | 9/16,15/16* | 9/16, 1* | 3/8,5/8* | 3/8,11/16* | 1-9/16 | — |
| 2 | 1 | NW | 9/16,15/16* | 9/16, 1* | 3/8,5/8* | 3/8,11/16* | 2-1/16 | — |
| 2 | 2 | NW | 1-1/8 | 1-3/16 | 3/4 | 13/16 | 2-1/16 | — |
| 2 | 3 | NW | 1-3/4 | 1-7/8 | 1-3/16 | 1-5/16 | — | 3-1/4 |
| 3 | 1-1/2 | NW | 3/4 | 3/4 | 1/2 | 1/2 | — | 3-1/4 |
| 3 | 2 | NW | 1-1/8 | 1-3/16 | 3/4 | 13/16 | — | 3-1/4 |
| 3 | 3 | NW | 1-3/4 | 1-7/8 | 1-3/16 | 1-5/16 | — | 3-1/4 |
| 1 | 1 | LW | 9/16,15/16* | 5/8, 1* | 3/8,5/8* | 7/16,11/16* | 1-1/8+ | — |
| 1-1/2 | 1 | LW | 9/16,15/16* | 5/8, 1* | 3/8,5/8* | 7/16,11/16* | 1-3/4 | — |
| 2 | 1 | LW | 9/16,15/16* | 5/8, 1* | 3/8,5/8* | 7/16,11/16* | 2-1/4 | — |
| 2 | 2 | LW | 1-7/16 | 1-7/16 | 1 | 1 | 2-1/4 | — |
| 2 | 3 | LW | 2-1/4 | 2-5/16 | 1-9/16 | 1-5/8 | — | 3-1/4 |
| 3 | 1-1/2 | LW | 15/16 | 1 | 5/8 | 11/16 | — | 3-1/4 |
| 3 | 2 | LW | 1-7/16 | 1-7/16 | 1 | 1 | — | 3-1/4 |
| 3 | 3 | LW | 2-1/4 | 2-5/16 | 1-9/16 | 1-5/8 | — | 3-1/4 |

* This thickness applies when optional Item 12 or 13 are used over 3-1/4 in. light weight concrete topping.

** This thickness applies when optional Item 12 or 13 are used over 3-1/4 in. light weight concrete topping.

+ When bottom chords consist of 1 by 1 by 0.125 in. thick steel angles, the thickness of spray-applied fire resistive material shall be increased by 1/4 in. on the bottom chord only.

**ISOLATEK INTERNATIONAL** — Type D-C/F, HP, II or Type II HS. Investigated for exterior use. Type EBS or Type X adhesive/surface sealer optional.

6A. **Spray-Applied Fire Resistive Materials* —** Alternate to Item 6. See table below for appropriate thicknesses. When fluted steel deck is used and the fire protection thickness selected is based on all fluted deck, the area between the steel deck and the top flange of the steel beam shall be filled. When fluted steel deck is used and the steel beam is sprayed with the thicknesses applicable to cellular or blended units, the area between the steel deck and the top flange of the steel beam shall be plugged. Prepared by mixing with water and spray-applied in one or more coats to beam surfaces which must be clean and free of dirt, loose scale and oil. Min average density of 17.5 pcf with min individual value of 17.0 pcf. For method of density determination, see Design Information Section, Sprayed Material.

| | | Min Thkns Applied Resistive Mtl, In | | | |
|---|---|---|---|---|---|
| Restrained Assembly Rating Hr | Unrestrained Beam Rating Hr | W6x9 When Deck Is All Fluted | W6x9 When Deck Is Blend or All Cellular | W8x28 When Deck Is All Fluted | W8x28 When Deck Is Blend or All Cellular |
| 1, 1-1/2, 2 | 1 | 1/2, 5/8* | 1/2, 5/8* | 5/16, 7/16* | 5/16, 7/16* |
| 2 | 2 | 1 | 1-3/16 | 11/16 | 13/16 |
| 2 | 3 | 1-9/16 | 1-7/8 | 1-1/16 | 1-5/16 |
| 3 | 1-1/2 | 3/4 | 13/16 | 1/2 | 9/16 |
| 3 | 2 | 1 | 1-3/16 | 11/16 | 13/16 |
| 3 | 3 | 1-9/16 | 1-7/8 | 1-1/16 | 1-5/16 |

* This thickness applies when optional Items 12, 13 are used over 3-1/4 in. light weight concrete topping.

**ISOLATEK INTERNATIONAL** — Type 280

6B. **Spray-Applied Fire Resistive Materials* —** Alternate to Items 6 and 6A. Prepared by mixing with water. Spray-applied in one or more coats to beam surfaces to a min final thickness as shown in the tables below. Beam surfaces must be clean and free of dirt, loose scale and oil. When fluted steel deck is used and the fire protection thickness selected is based on all fluted deck, the area between the steel deck and the top flange of the steel beam shall be filled. When fluted steel deck is used and the steel beam is sprayed with the thicknesses applicable to cellular or blended units, the area between the steel deck and the top flange of the steel beam shall be plugged.
Min average and min individual density of 15 pcf and 14 pcf respectively for Types 300, 300AC, 300 ES, 300 HS, 300 N, 3000, 3000ES, and SB. For Types 400, 400 AC and 400 ES min average and min individual density of 22 pcf and 19 pcf respectively. Min avg density of 44 pcf with min ind value of 40 pcf for Types M-II and TG. Min avg density of 47 pcf, with min individual value of 43 pcf for Type M-II/P. The thickness of the material on the Structural Members (Item 1 and 1C) shall be as follows:

| | | Min Thkns Spray Applied Resistive Mtl, In | | | | |
|---|---|---|---|---|---|---|
| Restrained Assembly Rating Hr | Unrestrained Beam Rating Hr | W6x9 When Deck Is All Fluted | W6x9 When Deck Is Blend or All Cellular | W8x28 When Deck Is All Fluted | W8x28 When Deck Is Blend or All Cellular | Joist (Item 1C) When Deck Is Fluted Cellular or Blend |
| 1 | 1 | 1/2 , 5/8* | 1/2 , 5/8* | 5/16, 7/16* | 5/16, 7/16* | 9/16+ |
| 1-1/2 | 1 | 1/2 , 5/8* | 1/2 , 5/8* | 5/16, 7/16* | 5/16, 7/16* | 1 |

LAFATE WILSON
architects

1030 arlington ave n, st petersburg fl 33705
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OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |

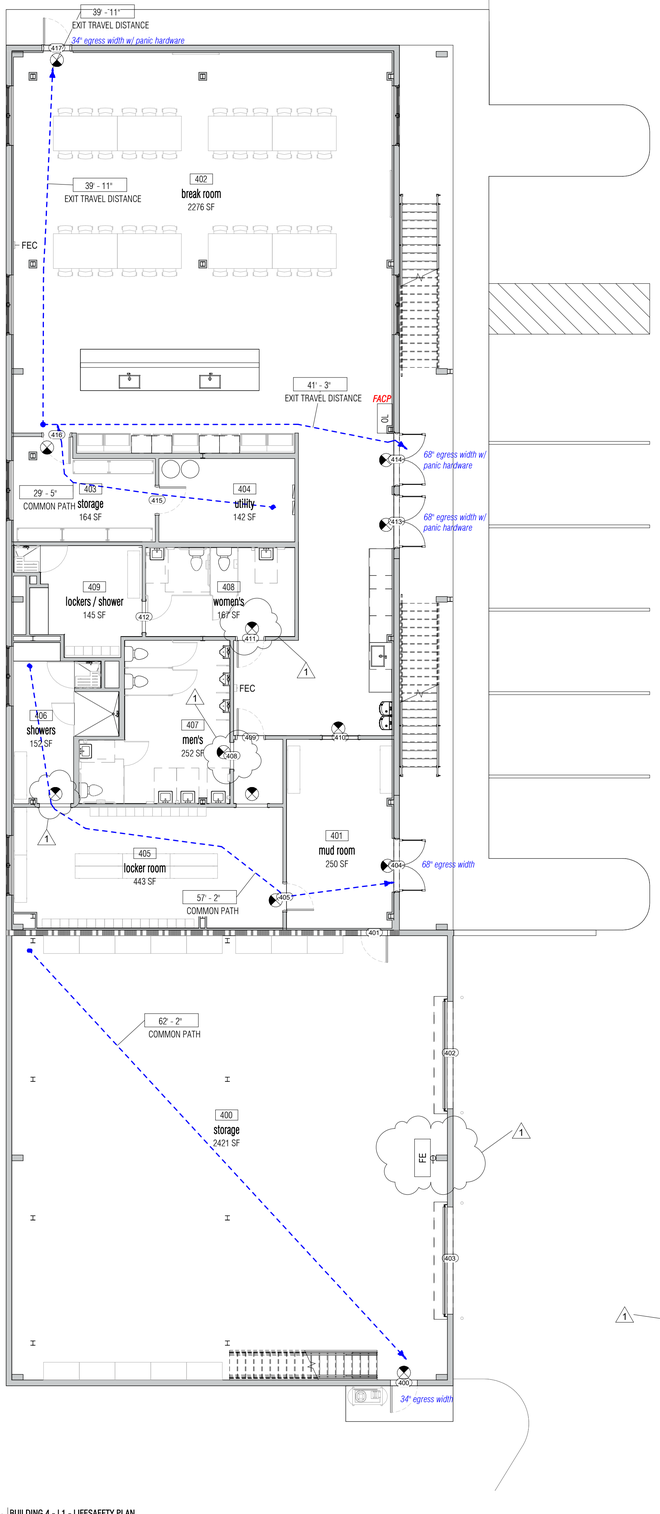
A4-002

UL DETAILS

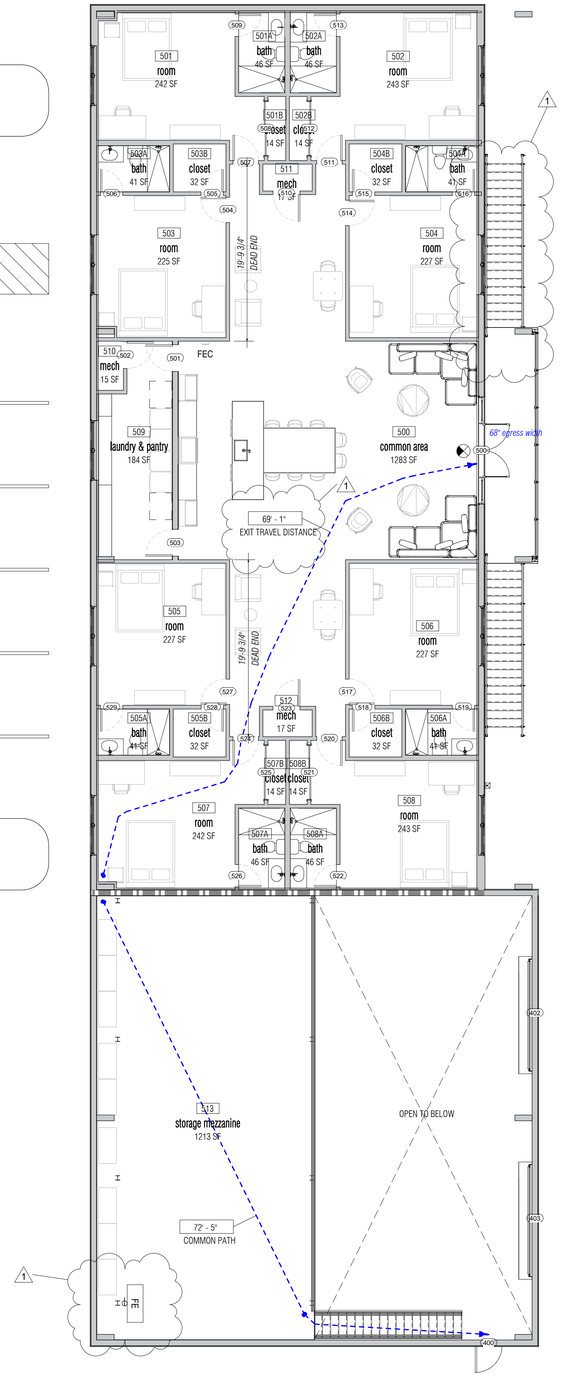
sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Gould - NICET Certified - Reviewed - 7/14/2026




1 BUILDING 4 - L1 - LIFESAFETY PLAN
1/8" = 1'-0"




2 BUILDING 4 - L2 - LIFESAFETY PLAN
1/8" = 1'-0"

## OCCUPANCY LOAD TABLE - BUILDING 4 LEVEL 1

| NUMBER | ROOM NAME | AREA | OCCUPANCY TYPE | FUNCTION OF SPACE | OCC LOAD FACTOR | OCCUPANT TOTAL |
|---|---|---|---|---|---|---|
| 400 | storage | 2421 SF | S/M | | 300 | 9 |
| 401 | mud room | 250 SF | A | LOCKER ROOMS | 50 | 5 |
| 402 | break room | 2276 SF | A | | 15 | 152 |
| 403 | storage | 164 SF | S/M | | 300 | 1 |
| 404 | utility | 142 SF | S/M | | 300 | 1 |
| 405 | locker room | 443 SF | A | LOCKER ROOMS | 50 | 9 |
| 406 | showers | 152 SF | A | LOCKER ROOMS | 50 | 4 |
| 407 | men's | 252 SF | A | LOCKER ROOMS | 50 | 6 |
| 408 | women's | 167 SF | A | LOCKER ROOMS | 50 | 4 |
| 409 | lockers / shower | 145 SF | A | LOCKER ROOMS | 50 | 3 |
| Grand total: 10 | | 6412 SF | | | | 194 |

## OCCUPANCY LOAD TABLE - BUILDING 4 LEVEL 2

| NUMBER | ROOM NAME | AREA | OCCUPANCY TYPE | FUNCTION OF SPACE | OCC LOAD FACTOR | OCCUPANT TOTAL |
|---|---|---|---|---|---|---|
| 500 | common area | 1283 SF | R-2 | RESIDENTIAL | 200 | 7 |
| 501 | room | 242 SF | R-2 | RESIDENTIAL | 200 | 2 |
| 501A | bath | 46 SF | R-2 | RESIDENTIAL | 200 | 1 |
| 501B | closet | 14 SF | R-2 | RESIDENTIAL | 200 | 1 |
| 502 | room | 243 SF | R-2 | RESIDENTIAL | 200 | 2 |
| 502A | bath | 46 SF | R-2 | RESIDENTIAL | 200 | 1 |
| 502B | closet | 14 SF | R-2 | RESIDENTIAL | 200 | 1 |
| 503 | room | 225 SF | R-2 | RESIDENTIAL | 200 | 2 |
| 503A | bath | 41 SF | R-2 | RESIDENTIAL | 200 | 1 |
| 503B | closet | 32 SF | R-2 | RESIDENTIAL | 200 | 1 |
| 504 | room | 227 SF | R-2 | RESIDENTIAL | 200 | 2 |
| 504A | bath | 41 SF | R-2 | RESIDENTIAL | 200 | 1 |
| 504B | closet | 32 SF | R-2 | RESIDENTIAL | 200 | 1 |
| 505 | room | 227 SF | R-2 | RESIDENTIAL | 200 | 2 |
| 505A | bath | 41 SF | R-2 | RESIDENTIAL | 200 | 1 |
| 505B | closet | 32 SF | R-2 | RESIDENTIAL | 200 | 1 |
| 506 | room | 227 SF | R-2 | RESIDENTIAL | 200 | 2 |
| 506A | bath | 41 SF | R-2 | RESIDENTIAL | 200 | 1 |
| 506B | closet | 32 SF | R-2 | RESIDENTIAL | 200 | 1 |
| 507 | room | 242 SF | R-2 | RESIDENTIAL | 200 | 2 |
| 507A | bath | 46 SF | R-2 | RESIDENTIAL | 200 | 1 |
| 507B | closet | 14 SF | R-2 | RESIDENTIAL | 200 | 1 |
| 508 | room | 243 SF | R-2 | RESIDENTIAL | 200 | 2 |
| 508A | bath | 46 SF | R-2 | RESIDENTIAL | 200 | 1 |
| 508B | closet | 14 SF | R-2 | RESIDENTIAL | 200 | 1 |
| 509 | laundry & pantry | 184 SF | R-2 | RESIDENTIAL | 200 | 1 |
| 510 | mech | 15 SF | R-2 | RESIDENTIAL | 200 | 1 |
| 511 | mech | 17 SF | R-2 | RESIDENTIAL | 200 | 1 |
| 512 | mech | 17 SF | R-2 | RESIDENTIAL | 200 | 1 |
| 513 | storage mezzanine | 1213 SF | S/M | | 300 | 5 |
| Grand total: 30 | | 5139 SF | | | | 48 |

NOTE: FLOOR ASSEMBLY RATING TO BE 1 HOUR PER UL D902 SEPARATING LEVEL 1 ASSEMBLY USE AND LEVEL 2 RESIDENTIAL USE. STORAGE MEZZANINE IS NOT REQUIRED TO MEET THIS RATING.

### LIFE SAFETY GENERAL NOTES

1. ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE SEALED AS REQUIRED BY BUILDING AND FIRE CODES AND AS BY GOVERNING AUTHORITIES.
2. VERIFY LOCATIONS FOR FIRE ALARM PULL STATIONS, FIRE ALARM ANNUNCIATOR PANEL, FIRE ALARM REMOTE CONTROL PANEL, EMERGENCY LIGHTING , STROBES AND AUDIBLE ALERTS.
3. INSTALL FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10 BY A LICENSED FIRE EQUIPMENT DEALER. INSPECT, TAG, AND MOUNT ALL FIRE EXTINGUISHERS. SEE LOCATION IN PLAN
4. ALL PANIC AND FIRE EXIT HARDWARE TO BE COMPLIANT WITH FBC SECTION 1008.1.10
5. FINAL EXIT SIGNS AND EMERGENCY LIGHTING LOCATIONS ARE SUBJECT TO THE APPROVAL OF THE GOVERNING JURISDICTION. APPLICABLE SIGNAGE SHALL BE PROVIDED BY CONTRACTOR AND COORDINATE WITH OTHER BUILDING SIGNAGE. REFER TO FBC SECTION 1013.4 FOR RAISED CHARACTER AND BRAILLE EXIT SIGN REQUIREMENTS.

### LIFE SAFETY PLAN LEGEND

*COORDINATE ITEMS W/ ELECTRICAL AS REQUIRED

- ILLUMINATED (DIRECTIONAL) EXIT SIGN
- FEC — RECESSED FIRE EXTINGUISHER CABINET
- FE — WALL HUNG FIRE EXTINGUISHER
- 1001X — DOOR TAG
- 200 — TOTAL EXIT ACCESS TRAVEL DISTANCE (FEET)
- 1 HR FIRE SEPARATION WALL - PROVIDE MARKING AND IDENTIFICATION OF FIRE AND SMOKE PARTITIONS -- PENETRATION MARKINGS 703.7 FBC @ 15' INTERVALS AND A MINIMUM OF 3" IN HEIGHT.
- 1 / OL — OCCUPANT LOAD SIGN PER FBC 1004.9

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# OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

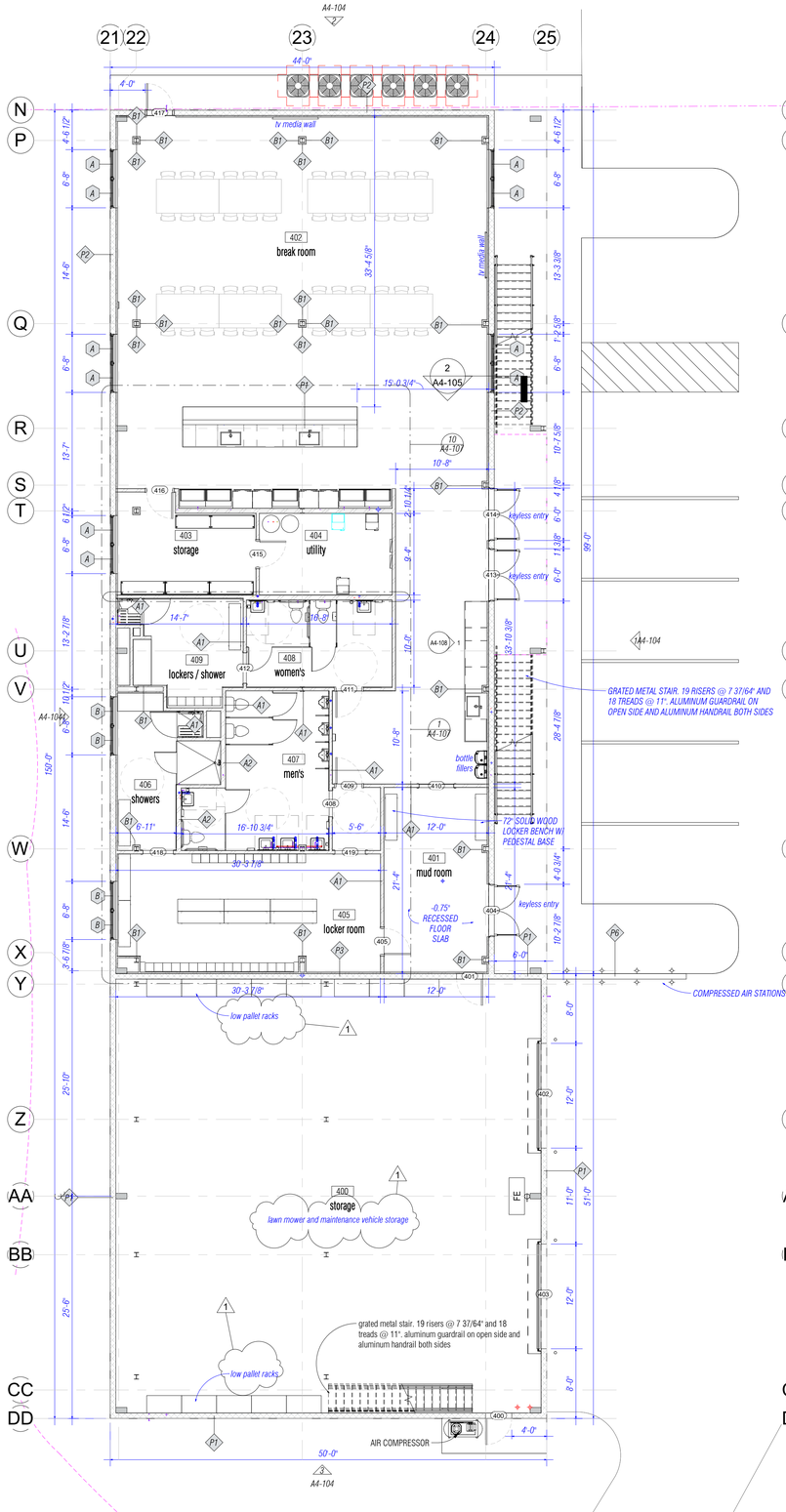
| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |
| 1 | REVISION 01 | 06.19.26 |

# A4-100
## LIFESAFETY PLAN

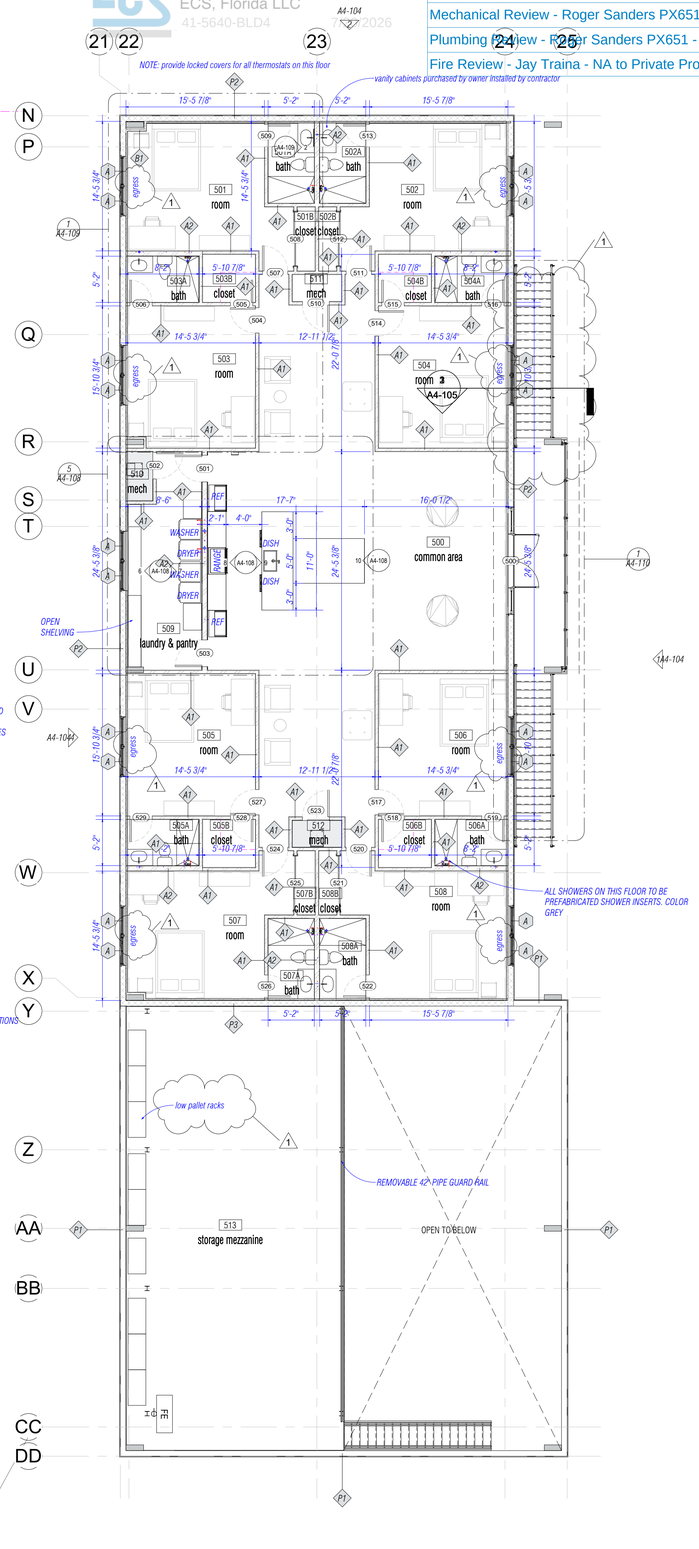
sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4
7/16/2026

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026




north 1 BUILDING 4 - L1 - FLOOR PLAN
1/8" = 1'-0"

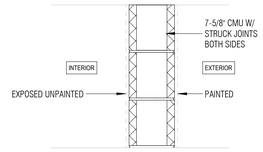



north 2 BUILDING 4 - L2 - FLOOR PLAN
1/8" = 1'-0"

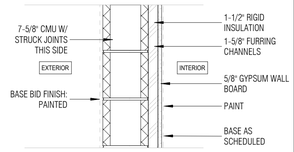
## GENERAL FLOOR PLAN NOTES

1. PROVIDE SUPPORT FOR WALL MOUNTED CABINETS AND PLUMBING FIXTURES. STEEL STUDS SUPPORTING WALL MOUNTED FIXTURES TO BE DOUBLED AT 16 O.C. OR NOT LESS THAN 20 GAUGE PER FBC 2517.5.1.1.
2. PROVIDE CEMENTITIOUS BACKER BOARD IN PLACE OF GWB AT ALL LOCATIONS SHOWING TILE FINISH.

## WALL TYPES

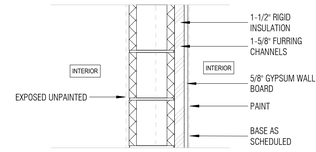



P1



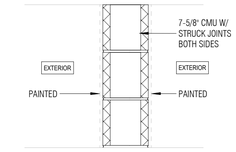

P2

0 HR
1 HR UL-U906

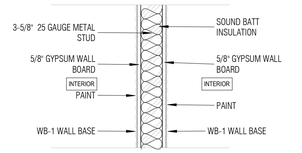



P3

1 HR UL-U906

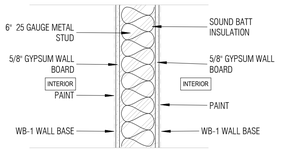



P6



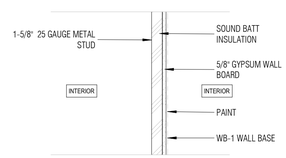

A1

WALL TO EXTEND UP TO BOTTOM OF DECK




A2

WALL TO EXTEND UP TO BOTTOM OF DECK




A1

WALL TO EXTEND UP TO BOTTOM OF DECK

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# OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

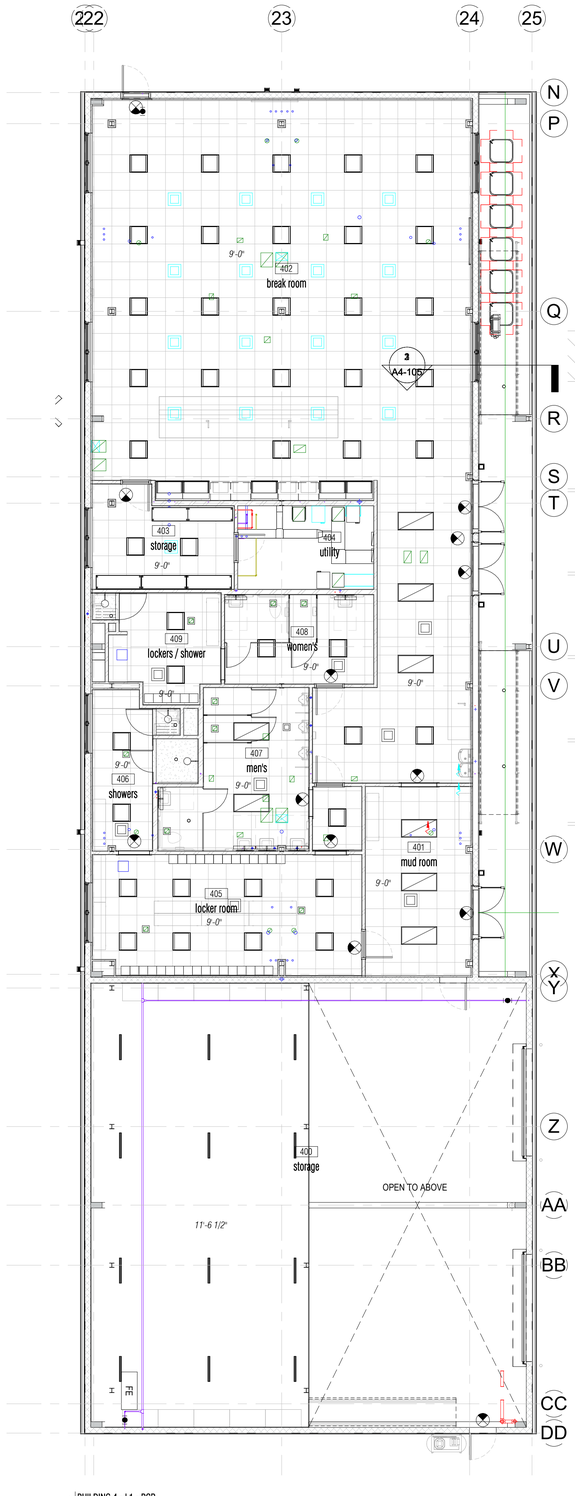
| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |
| 1 | REVISION 01 | 06.19.26 |

# A4-101
## FLOOR PLANS

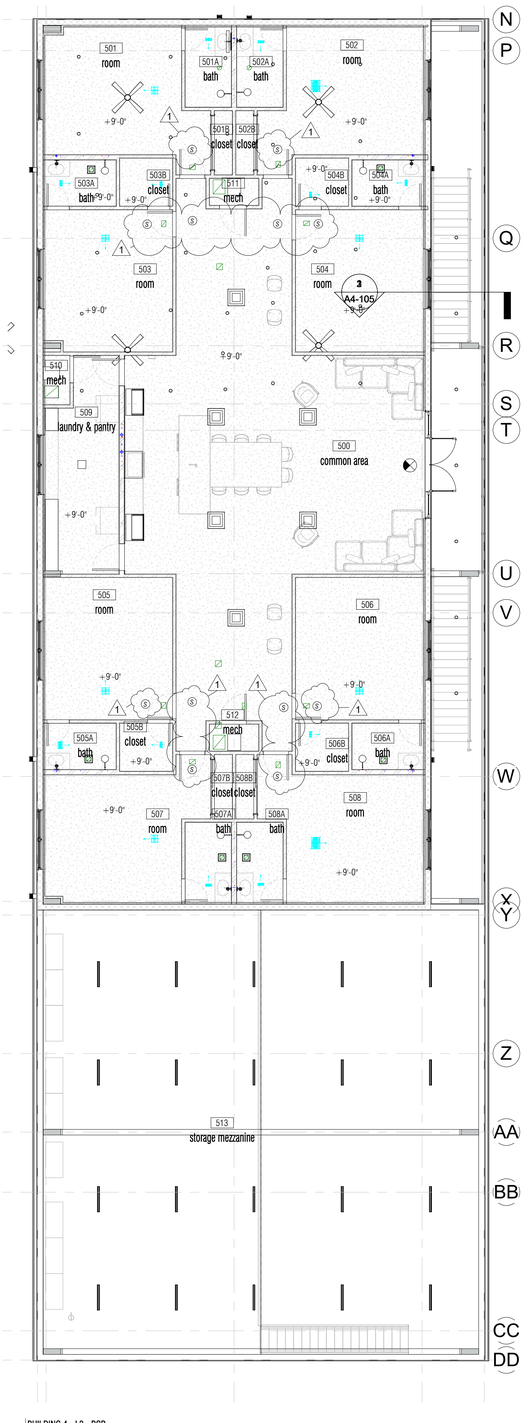
sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
~~Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026~~
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026




1 BUILDING 4 - L1 - RCP
1/8" = 1'-0"




2 BUILDING 4 - L2 - RCP
1/8" = 1'-0"

CEILING LEGEND

- GYPSUM WALL BOARD
- EXPOSED STRUCTURE
- 2x2 ARMSTRONG OPTIMA LAY-IN ACT CEILING
- CARBON MONOXIDE/ SMOKE DETECTOR
- EXHAUST FAN
- CEILING MOUNTED FAN W/ LIGHT
- SURFACE MOUNTED
- WALL SCONCE, INTERIOR
- WALL SCONCE, EXTERIOR
- RECESSED LED CAN LIGHT
- 2X4 RECESSED LIGHT FIXTURE
- 2X2 RECESSED LIGHT FIXTURE
- EM LIGHT

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# OLD MEMORIAL

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Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |
| 1 | REVISION 01 | 06.19.26 |

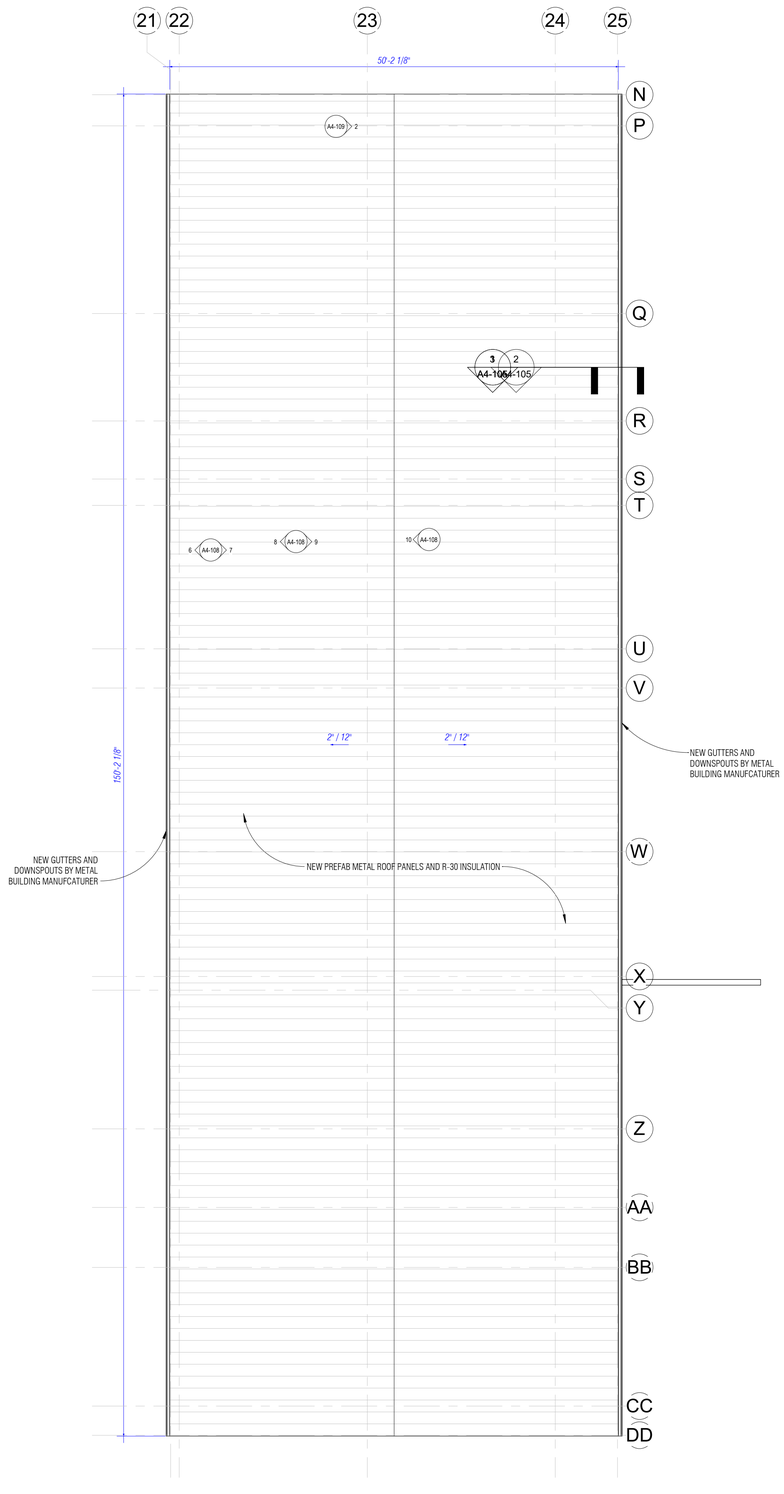
# A4-102

## CEILING PLANS

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

| |
|---|
| Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| ~~Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026~~ |
| Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Fire Review - Jay Traina - NA to Private Provider - 7/16/2026 |




1 BUILDING 4 ROOF PLAN
1/8" = 1'-0"

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# OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |
| | | |
| | | |
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| | | |

# A4-103
## ROOF PLAN

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41[illegible]0-BLD4
7/20[illegible]6

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
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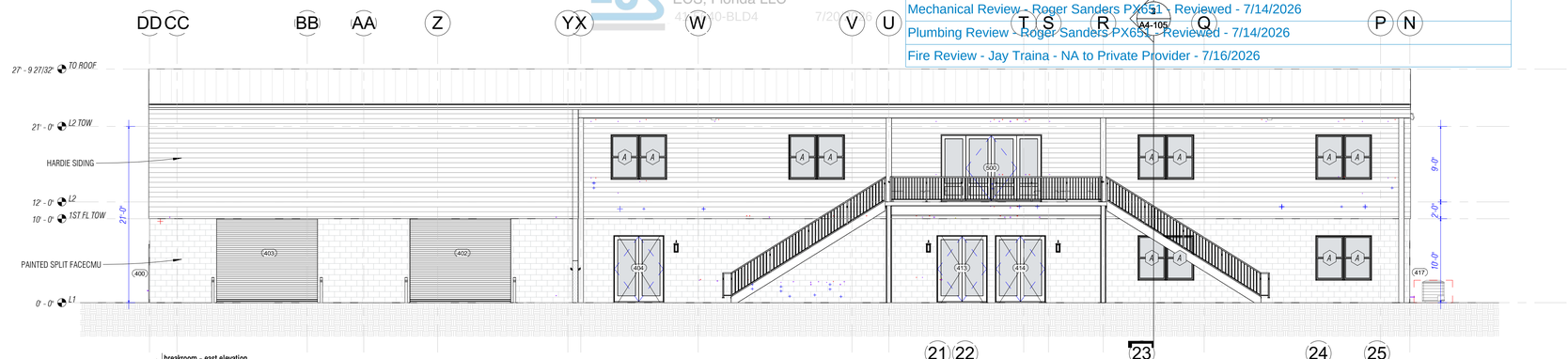
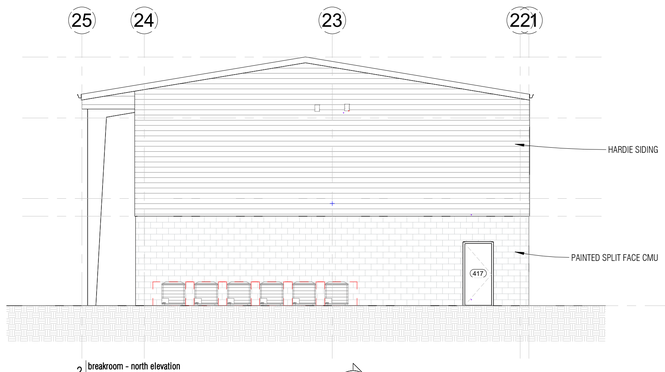
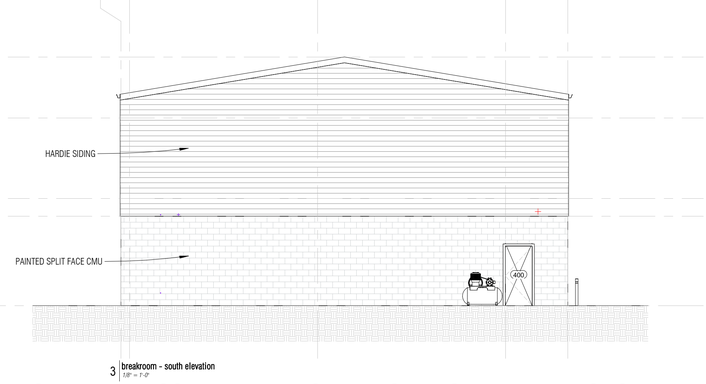


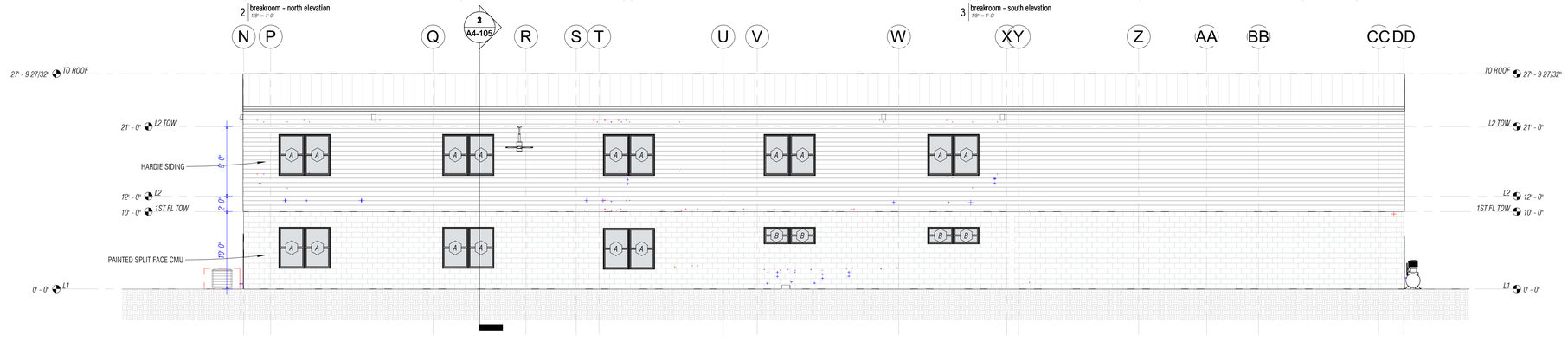

1 breakroom - east elevation
1/8" = 1'-0"




2 breakroom - north elevation
1/8" = 1'-0"




3 breakroom - south elevation
1/8" = 1'-0"




4 breakroom - west elevation
1/8" = 1'-0"

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# OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |

# A4-104
## ELEVATIONS

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

| |
|---|
| Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Fire Review - Jay Traina - NA to Private Provider - 7/16/2026 |

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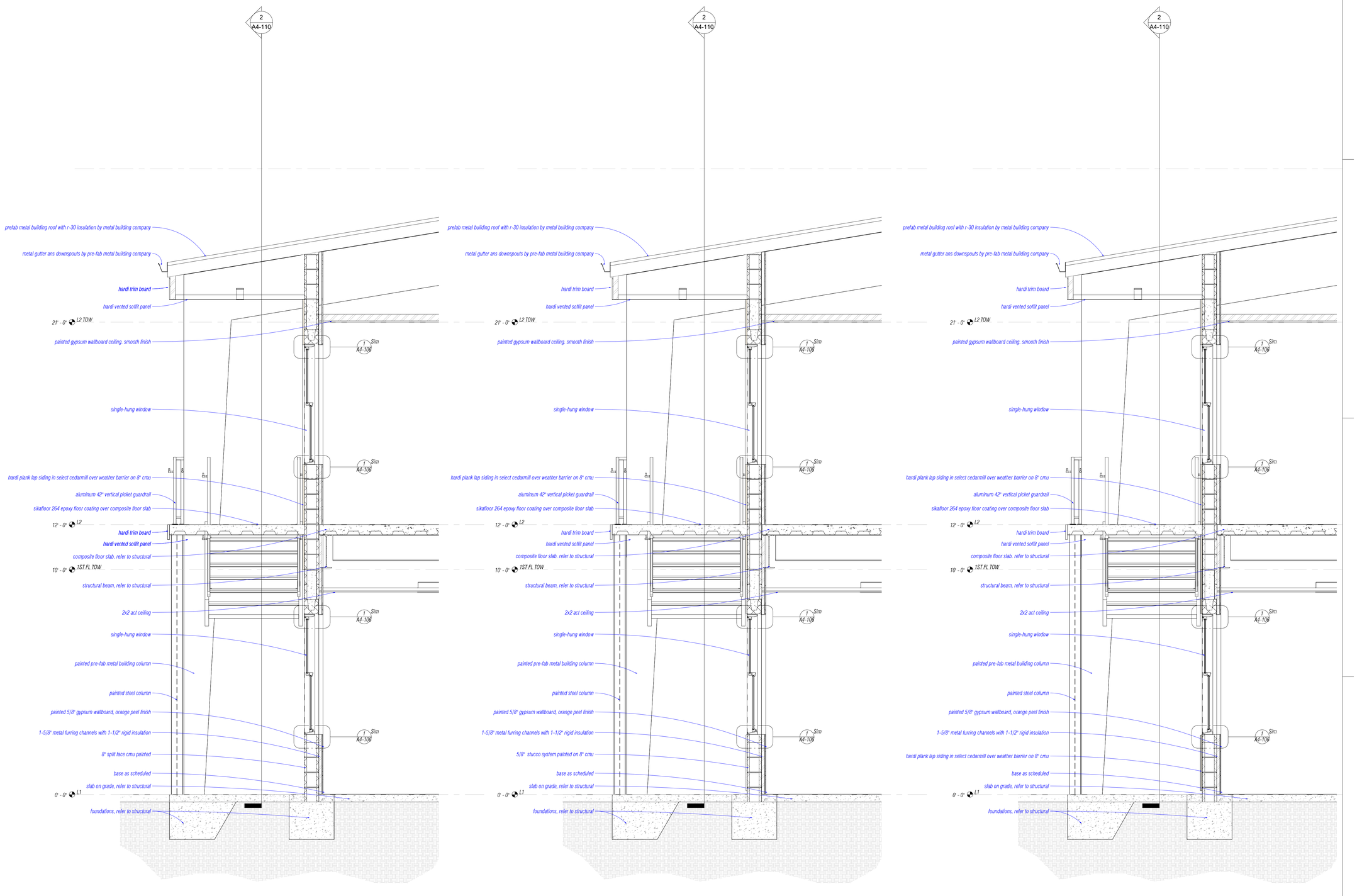


1 BASED BID - HARDI + SPLIT FACE CMU
1/2" = 1'-0"

2 ALTERNATE 1 - HARDI + STUCCO
1/2" = 1'-0"

3 ALTERNATE 2 - HARDI
1/2" = 1'-0"

# OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |
| | | |
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| | | |

# A4-105
## WALL SECTIONS

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026

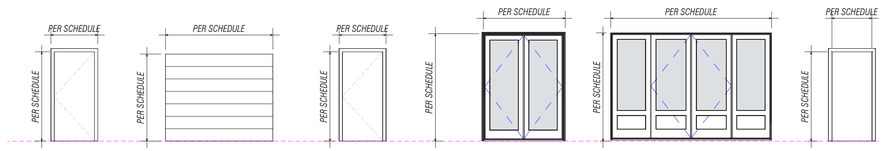
## DOOR SCHEDULE

NOTE: VERIFY ALL WINDOW AND DOOR ROUGH OPENING SIZES WITH MANUFACTURER'S REQUIREMENTS

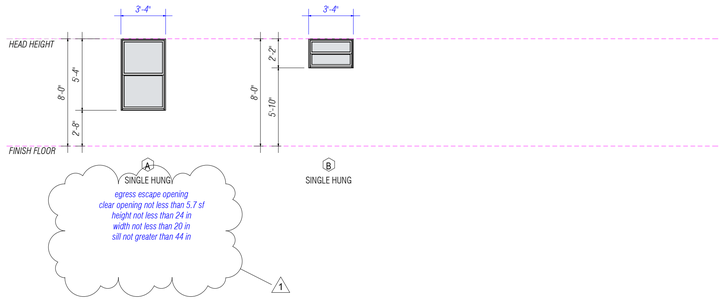
| # | WIDTH | HEIGHT | TYPE | FRAME MATERIAL | FRAME FINISH | DOOR MATERIAL | DOOR FINISH | HARDWARE |
|---|---|---|---|---|---|---|---|---|
| 400 | 3' - 0" | 6' - 8" | D4 | HM | PAINTED | HM | PAINTED | 04 |
| 401 | 3' - 0" | 6' - 8" | D1 | HM | PAINTED | HM | PAINTED | 11 |
| 402 | 12' - 0" | 11' - 8" | D3 | STEEL | | STEEL | WHITE | 20 |
| 403 | 12' - 0" | 11' - 8" | D3 | STEEL | | STEEL | WHITE | 20 |
| 404 | 6' - 0" | 8' - 0" | D6 | ALUMINUM | WHITE | ALUMINUM | WHITE | 01 |
| 405 | 3' - 0" | 7' - 0" | D1 | HM | PAINTED | HM | PAINTED | 08 |
| 408 | 3' - 0" | 6' - 8" | D8 | | | | | 18 |
| 409 | 3' - 0" | 7' - 0" | D1 | HM | PAINTED | HM | PAINTED | 06 |
| 410 | 4' - 0" | 7' - 0" | D8 | | | | | 18 |
| 411 | 3' - 0" | 7' - 0" | D1 | HM | PAINTED | HM | PAINTED | 06 |
| 412 | 3' - 6" | 7' - 0" | D8 | | | | | 18 |
| 413 | 6' - 0" | 8' - 0" | D6 | ALUMINUM | WHITE | ALUMINUM | WHITE | 01 |
| 414 | 6' - 0" | 8' - 0" | D6 | ALUMINUM | WHITE | ALUMINUM | WHITE | 01 |
| 415 | 3' - 0" | 7' - 0" | D1 | HM | PAINTED | HM | PAINTED | 14 |
| 416 | 3' - 0" | 7' - 0" | D1 | HM | PAINTED | HM | PAINTED | 15 |
| 417 | 3' - 0" | 7' - 0" | D4 | HM | PAINTED | HM | PAINTED | 03 |
| 418 | 3' - 6" | 7' - 0" | D8 | | | | | 18 |
| 419 | 3' - 6" | 7' - 0" | D8 | | | | | 18 |
| 500 | 12' - 0" | 8' - 0" | D7 | ALUMINUM | WHITE | ALUMINUM | WHITE | 02 |
| 501 | 3' - 0" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 07 |
| 502 | 3' - 0" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 13 |
| 503 | 3' - 0" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 07 |
| 504 | 2' - 10" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 05 WIRELESS KEYPAD LOCK |
| 505 | 2' - 6" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 16 |
| 506 | 2' - 6" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 17 |
| 507 | 2' - 10" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 05 WIRELESS KEYPAD LOCK |
| 508 | 6' - 0" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 19 |
| 509 | 2' - 6" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 17 |
| 510 | 3' - 0" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 12 |
| 511 | 2' - 10" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 05 WIRELESS KEYPAD LOCK |
| 512 | 6' - 0" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 19 |
| 513 | 2' - 6" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 17 |
| 514 | 2' - 10" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 05 WIRELESS KEYPAD LOCK |
| 515 | 2' - 6" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 16 |
| 516 | 2' - 6" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 17 |
| 517 | 2' - 10" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 05 WIRELESS KEYPAD LOCK |
| 518 | 2' - 6" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 16 |
| 519 | 2' - 6" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 17 |
| 520 | 2' - 10" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 05 WIRELESS KEYPAD LOCK |
| 521 | 6' - 0" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 19 |
| 522 | 2' - 6" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 17 |
| 523 | 3' - 0" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 12 |
| 524 | 2' - 10" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 05 WIRELESS KEYPAD LOCK |
| 525 | 6' - 0" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 19 |
| 526 | 2' - 6" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 17 |
| 527 | 2' - 10" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 05 WIRELESS KEYPAD LOCK |
| 528 | 2' - 6" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 16 |
| 529 | 2' - 6" | 6' - 8" | D1 | WD | PAINTED | WD - SOLID CORE | PAINTED | 17 |

egress escape opening
clear opening not less than 5.7 sf
height not less than 24 in
width not less than 20 in
sill not greater than 44 in

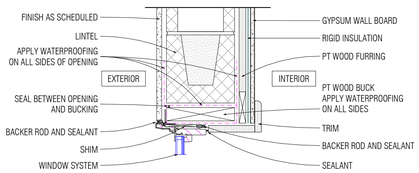
## DOOR TYPES




## WINDOW TYPES




## WINDOW IN CMU WALL

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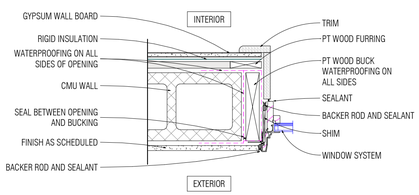
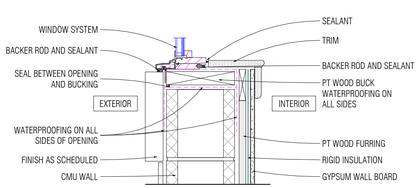
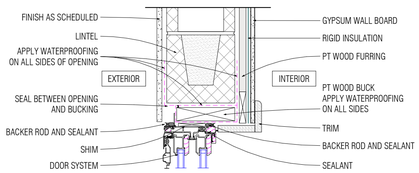



JAMB




SILL

## DOOR IN CMU WALL

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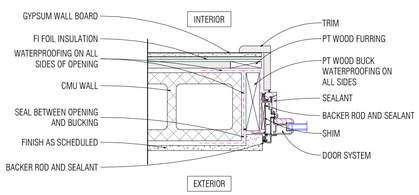
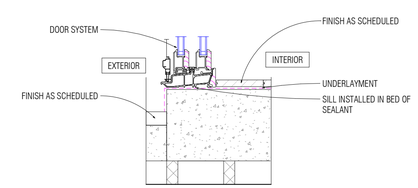



JAMB




SILL

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# OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |
| 1 | REVISION 01 | 06.19.26 |

# A4-106

## DOOR & WINDOW SCHEDULES

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026

Hardware Group No. 01

For use on Door #(s):
404 413 414

Provide each PR door(s) with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | | FINISH | MFR |
|---|---|---|---|---|---|---|
| 2 | EA | CONT. HINGE | 224XY EPT | | 628 | IVE |
| 2 | EA | POWER TRANSFER | EPT10 | | 689 | VON |
| 1 | EA | ELEC PANIC HARDWARE | RX-QEL-HH-9847-EO-304L-SNB 24 VDC | | 626 | VON |
| 1 | EA | ELEC PANIC HARDWARE | RX-QEL-HH-9847-NL-OP-110MD-304L-SNB 24 VDC | | 626 | VON |
| 1 | EA | RIM CYLINDER | 20-021 | | 626 | SCH |
| 2 | EA | 90 DEG OFFSET PULL | 8190HD 10" O | | 630 | IVE |
| 2 | EA | BRKT/PLATE/SPACER | 4040XP-XX AS REQUIRED | | 689 | LCN |
| 2 | EA | SURFACE CLOSER | 4040XP SCUSH | | 689 | LCN |
| 1 | EA | CARD READER | BY SECURITY INTEGRATOR | | | |
| 2 | | DOOR CONTACT | BY SECURITY INTEGRATOR | | | |
| 1 | | POWER SUPPLY | BY SECURITY INTEGRATOR | | | |
| | EA | BALANCE OF HARDWARE BY DOOR MANUFACTURER | | | | |

NOTE: THE DOOR SHOULD HAVE MINIMUM STILE WIDTH OF 5" TO SUIT THE HARDWARE

ELECTRICAL OPERATIONAL DESCRIPTION:
DOOR NORMALLY CLOSED AND LOCKED. FROM THE SECURE SIDE PRESENTING VALID CREDENTIALS TO THE READER WILL MOMENTARILY RETRACT THE LATCH, ALLOWING ENTRY. AFTER ENTRY THE DOOR RETURNS TO THE CLOSED AND LATCHED POSITION. A KEY OVERRIDE WILL ALSO ENABLE ENTRY. FROM THE NON-SECURE SIDE, PRESSING THE PUSHPAD RETRACTS LATCH ALLOWING EGRESS. DURING A POWER OUTAGE, THE DOOR WILL REMAIN LOCKED AND WILL CONTINUE TO ALLOW FREE EGRESS AT ALL TIMES.
DOOR POSITION SWITCH MONITORS DOOR FOR OPEN/CLOSED POSITION. REQUEST TO EXIT (RX) FOR REMOTE MONITORING (RX TO SHUNT DOOR CONTACT UPON EGRESS.)

Hardware Group No. 02

For use on Door #(s):
500

Provide each PR door(s) with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|---|---|---|---|---|---|
| 2 | EA | CONT. HINGE | 224XY | 628 | IVE |
| 1 | EA | DEADLOCK X FLUSH PULL | MS1850S X 1880 | 626 | ADA |
| 1 | EA | MORTISE CYL TURN | 09-900 | 626 | SCH |
| 1 | EA | MORTISE CYLINDER | 20-001 | 626 | SCH |
| 2 | EA | PUSH/PULL BAR | 9190HD-10"-NS | 630 | IVE |
| 2 | EA | BRKT/PLATE/SPACER | 4040XP-XX AS REQUIRED | 689 | LCN |
| 2 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| | EA | BALANCE OF HARDWARE BY DOOR MANUFACTURER | | | |

Hardware Group No. 03

For use on Door #(s):
417

Provide each SGL door(s) with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|---|---|---|---|---|---|
| 3 | EA | HINGE | 5BB1HW 4.5 X 4.5 NRP | 630 | IVE |
| 1 | EA | PANIC HARDWARE | HH-98-L-NL-06-299F-SNB | 630 | VON |
| 1 | EA | RIM CYLINDER | 20-021 | 626 | SCH |
| 1 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 2" LDW B-CS | 630 | IVE |
| 1 | EA | RAIN DRIP | 142AA (IF EXPOSED ABOVE) | AA | ZER |
| 1 | EA | GASKETING | 188SBK PSA | BK | ZER |
| 1 | EA | DOOR SWEEP | 328AA | AA | ZER |
| 1 | EA | THRESHOLD | 65A | A | ZER |

Hardware Group No. 04

For use on Door #(s):
400

Provide each SGL door(s) with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|---|---|---|---|---|---|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 NRP | 630 | IVE |
| 1 | EA | STOREROOM LOCK | ND80P6D RHO | 626 | SCH |
| 1 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 2" LDW B-CS | 630 | IVE |
| 1 | EA | RAIN DRIP | 142AA (IF EXPOSED ABOVE) | AA | ZER |
| 1 | EA | GASKETING | 188SBK PSA | BK | ZER |
| 1 | EA | DOOR SWEEP | 328AA | AA | ZER |
| 1 | EA | THRESHOLD | 65A | A | ZER |

Hardware Group No. 05

For use on Door #(s):
504 507 511 514 517 520
524 527

Provide each SGL door(s) with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | | FINISH | MFR |
|---|---|---|---|---|---|---|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 | | 652 | IVE |
| 1 | EA | ELEC OFFICE LOCK | CO-100-CY-50-KP-RHO-P6 4B BATTERY OPERATED | | 626 | SCE |
| 1 | EA | OH STOP | 100S | | 630 | GLY |
| 1 | EA | SURFACE CLOSER | 4040XP RW/PA | | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 2" LDW B-CS | | 630 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | | BK | ZER |
| 1 | EA | DOOR SWEEP | 111AA | | AA | ZER |
| 1 | EA | VIEWER | U698 2 VIEWERS @ADA ROOMS | | 626 | IVE |

ELECTRICAL OPERATIONAL DESCRIPTION:
DOOR NORMALLY CLOSED AND LOCKED. FROM THE SECURE SIDE ENTERING A VALID PIN IN THE KEYPAD WILL ALLOWING ENTRY. AFTER ENTRY THE DOOR RETURNS TO THE CLOSED AND LATCHED POSITION. A KEY OVERRIDE WILL ALSO ENABLE ENTRY. FROM THE NON-SECURE SIDE, THE LEVER RETRACTS LATCH ALLOWING EGRESS. DURING A POWER OUTAGE, THE DOOR WILL REMAIN LOCKED AND WILL CONTINUE TO ALLOW FREE EGRESS AT ALL TIMES.

Hardware Group No. 06

For use on Door #(s):
409 411

Provide each SGL door(s) with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|---|---|---|---|---|---|
| 3 | EA | HINGE | 5BB1HW 4.5 X 4.5 | 652 | IVE |
| 1 | EA | PUSH PLATE | 8200 6" X 16" | 630 | IVE |
| 1 | EA | PULL PLATE | 8303 10" 6" X 16" | 630 | IVE |
| 1 | EA | SURFACE CLOSER | 4040XP RW/PA | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 2" LDW B-CS | 630 | IVE |
| 1 | EA | WALL STOP | WS406/407CCV | 630 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |

Hardware Group No. 07

For use on Door #(s):
501 503

Provide each SGL door(s) with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|---|---|---|---|---|---|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 | 652 | IVE |
| 1 | EA | CLASSROOM LOCK | ND70P6D RHO | 626 | SCH |
| 1 | EA | SURFACE CLOSER | 4040XP RW/PA | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 2" LDW B-CS | 630 | IVE |
| 1 | EA | WALL STOP | WS406/407CCV | 630 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |

Hardware Group No. 08

For use on Door #(s):
405

Provide each SGL door(s) with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|---|---|---|---|---|---|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 | 652 | IVE |
| 1 | EA | CLASSROOM LOCK | ND70P6D RHO | 626 | SCH |
| 1 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 2" LDW B-CS | 630 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |

Hardware Group No. 11

For use on Door #(s):
401

Provide each SGL door(s) with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|---|---|---|---|---|---|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 | 652 | IVE |
| 1 | EA | STOREROOM LOCK | ND80P6D RHO | 626 | SCH |
| 1 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 2" LDW B-CS | 630 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |

Hardware Group No. 12

For use on Door #(s):
510 523

Provide each SGL door(s) with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|---|---|---|---|---|---|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 | 652 | IVE |
| 1 | EA | STOREROOM LOCK | ND80P6D RHO | 626 | SCH |
| 1 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |

Hardware Group No. 13

For use on Door #(s):
502

Provide each SGL door(s) with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|---|---|---|---|---|---|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 | 652 | IVE |
| 1 | EA | STOREROOM LOCK | ND80P6D RHO | 626 | SCH |
| 1 | EA | WALL STOP | WS406/407CCV | 630 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |

Hardware Group No. 14

For use on Door #(s):
415

Provide each SGL door(s) with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|---|---|---|---|---|---|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 | 652 | IVE |
| 1 | EA | STOREROOM LOCK | ND80P6D RHO | 626 | SCH |
| 1 | EA | OH STOP | 100S | 630 | GLY |
| 1 | EA | SURFACE CLOSER | 4040XP RW/PA | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 2" LDW B-CS | 630 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |

Hardware Group No. 15

For use on Door #(s):
416

Provide each SGL door(s) with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|---|---|---|---|---|---|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 | 652 | IVE |
| 1 | EA | STOREROOM LOCK | ND80P6D RHO | 626 | SCH |
| 1 | EA | SURFACE CLOSER | 4040XP RW/PA | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 2" LDW B-CS | 630 | IVE |
| 1 | EA | FLOOR STOP | FS13 | 626 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |

Hardware Group No. 16

For use on Door #(s):
505 515 518 528

Provide each SGL door(s) with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|---|---|---|---|---|---|
| 3 | EA | HINGE | 5PB1 4.5 X 4.5 | 652 | IVE |
| 1 | EA | PASSAGE SET | F10 ELA | 626 | SCH |
| 1 | EA | DOOR STOP | 060 | 652 | IVE |
| 3 | EA | SILENCER | SR64 / SR65 AS REQ. | GRY | IVE |

Hardware Group No. 17

For use on Door #(s):
506 509 513 516 519 522
526 529

Provide each SGL door(s) with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|---|---|---|---|---|---|
| 3 | EA | HINGE | 5PB1 4.5 X 4.5 | 652 | IVE |
| 1 | EA | PRIVACY LOCK | F40 ELA | 626 | SCH |
| 1 | EA | DOOR STOP | 060 | 652 | IVE |
| 3 | EA | SILENCER | SR64 / SR65 AS REQ. | GRY | IVE |

Hardware Group No. 18

For use on Door #(s):
408 410 412 418 419

Provide each CO door(s) with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|---|---|---|---|---|---|
| 1 | EA | CASED OPENING, NO HARDWARE REQUIRED | | | |

Hardware Group No. 19

For use on Door #(s):
508 512 521 525

Provide each SL door(s) with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|---|---|---|---|---|---|
| | EA | ALL HARDWARE BY DOOR MANUFACTURER | | | |

Hardware Group No. 20

For use on Door #(s):
402 403

Provide each RU door(s) with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|---|---|---|---|---|---|
| 1 | EA | ALL HARDWARE BY ROLL UP DOOR MANUFACTURER | | | |

LAFATE WILSON
architects

1030 arlington ave n, st petersburg fl 33705
(727) 490-9483
studio@lafatewilson.com

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# OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |
| 1 | REVISION 01 | 06.19.26 |

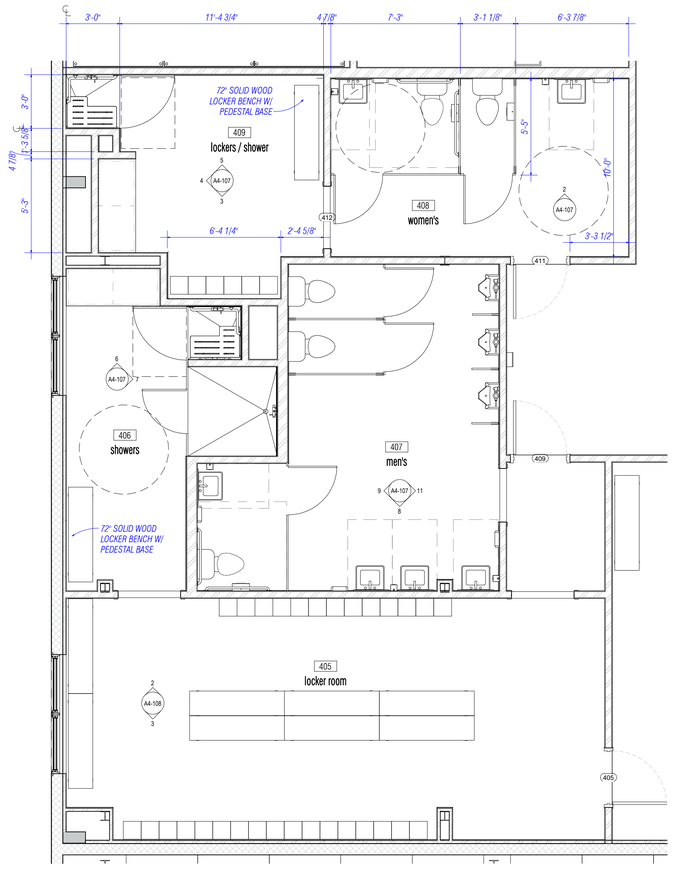
# A4-106B

## DOOR HARDWARE

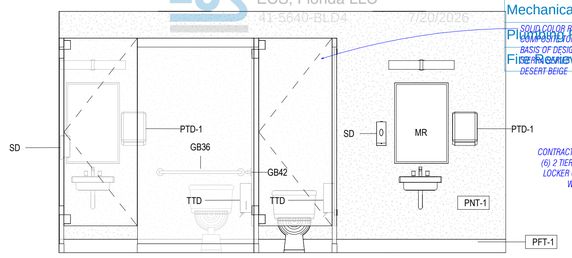
sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

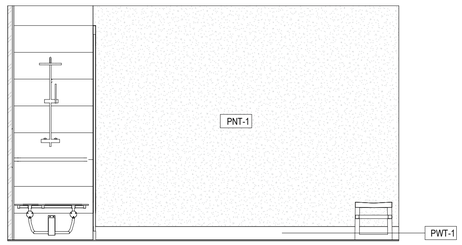
Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026



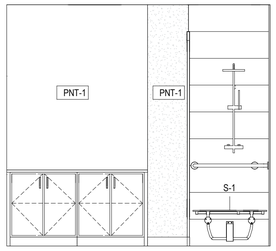

1 BUILDING 4 - L1 - ENLARGED LOCKER ROOM PLAN
1/4" = 1'-0"



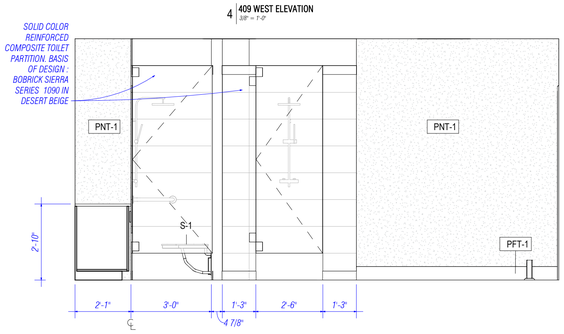

2 WOMEN'S ELEVATION
3/8" = 1'-0"




3 409 SOUTH ELEVATION
3/8" = 1'-0"

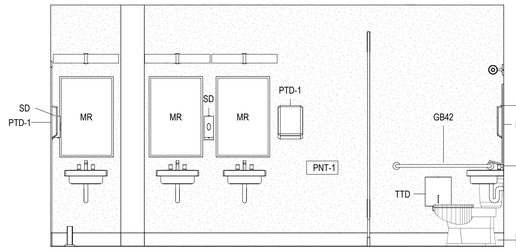



4 409 WEST ELEVATION
3/8" = 1'-0"

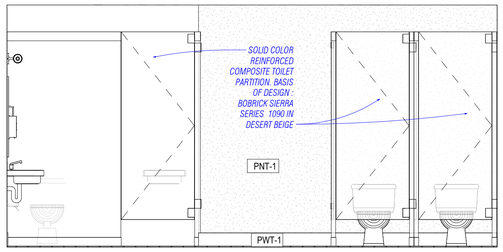



5 WOMEN'S SHOWER NORTH
3/8" = 1'-0"

6 MEN'S SHOWER NORTH
3/8" = 1'-0"

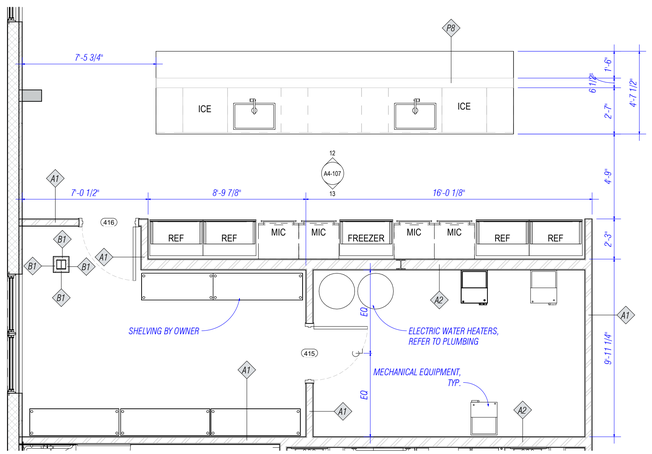



7 MEN'S SHOWER EAST
3/8" = 1'-0"

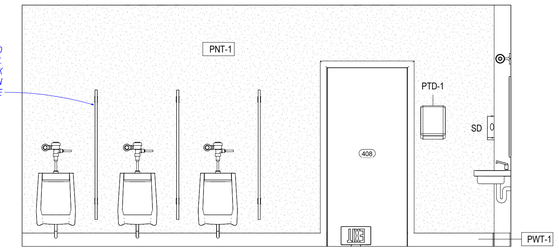



8 MEN'S TOILET SOUTH
3/8" = 1'-0"

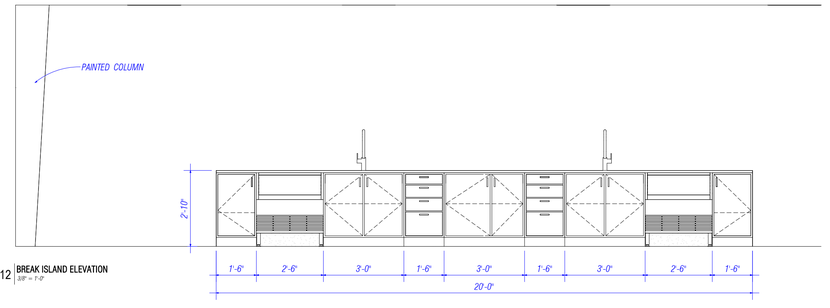
9 MEN'S TOILET WEST
3/8" = 1'-0"



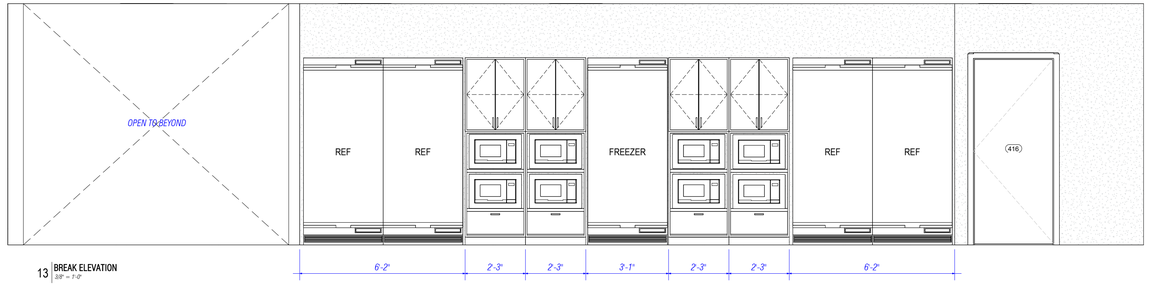

10 BUILDING 4 - L1 - ENLARGED BREAKROOM PLAN
1/4" = 1'-0"




11 MEN'S TOILET EAST
3/8" = 1'-0"




12 BREAK ISLAND ELEVATION
3/8" = 1'-0"




13 BREAK ELEVATION
3/8" = 1'-0"

TOILET ACCESSORY SCHEDULE

| Type Mark | Manufacturer | Model |
|---|---|---|
| GB36 | BOBRICK | B-5806 Series |
| GB42 | BOBRICK | B-5806 Series |
| GB SH | BOBRICK | B-6861 |
| MR | BOBRICK | B-290 2436 |
| PTD-1 | BOBRICK | B-509 |
| S-1 | BOBRICK | B-5181 |
| SD | BOBRICK | B-2012 |
| TTD | BOBRICK | B-9890 |

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OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |

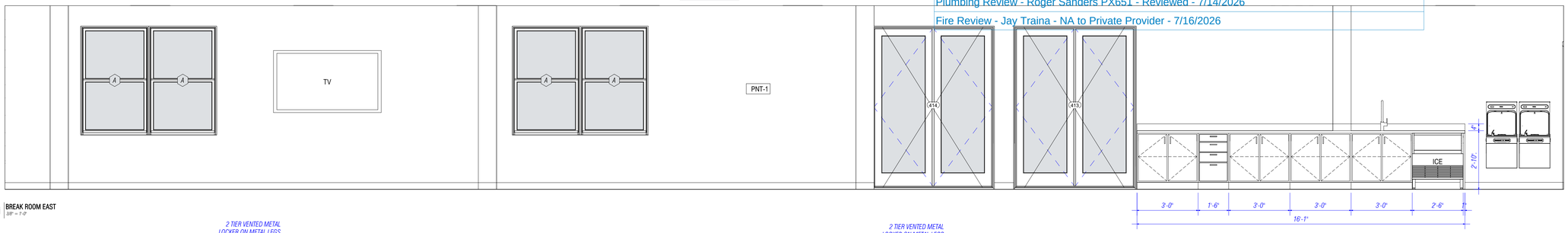
# A4-107

ENLARGED PLANS & INTERIOR ELEVATIONS

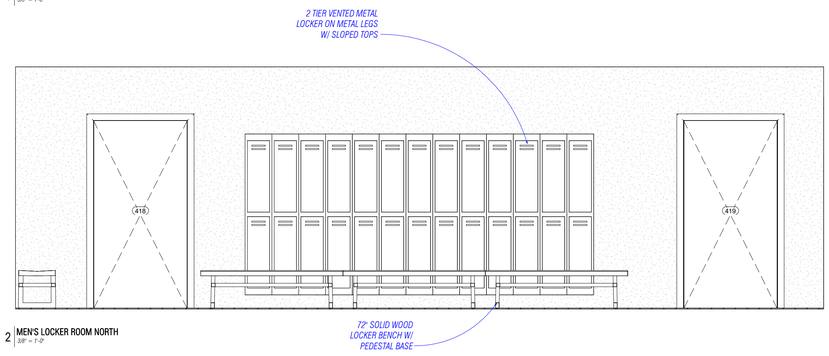
sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

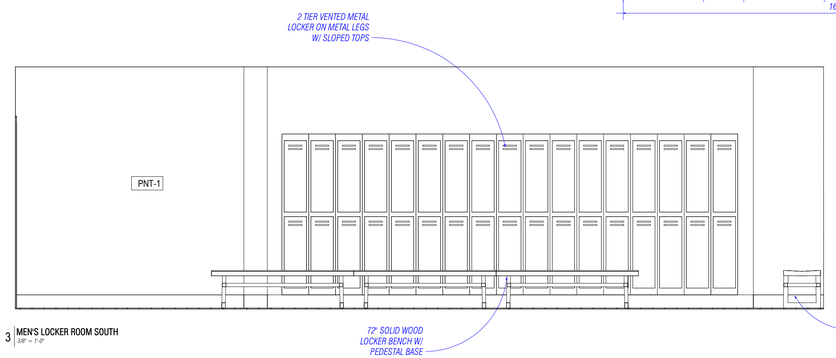
Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026



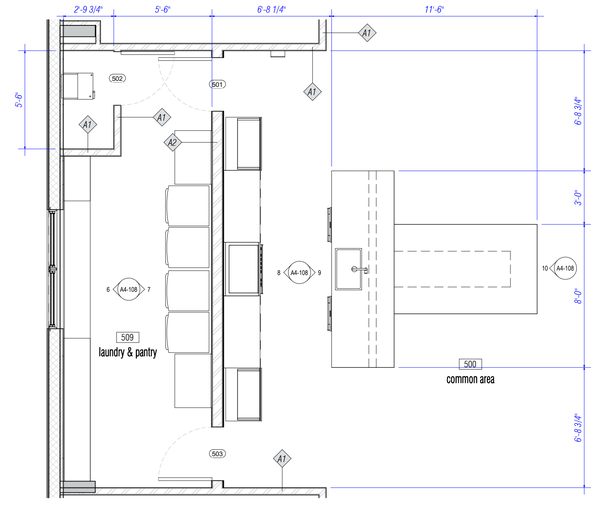

1 BREAK ROOM EAST
3/8" = 1'-0"



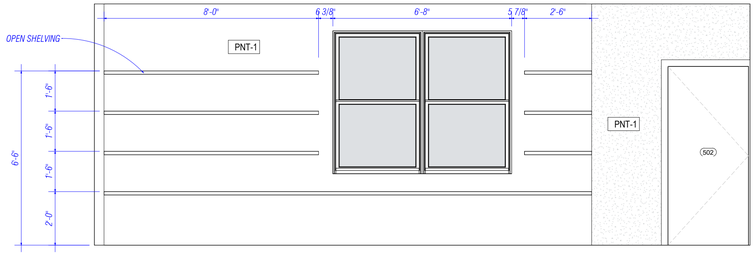

2 MEN'S LOCKER ROOM NORTH
3/8" = 1'-0"



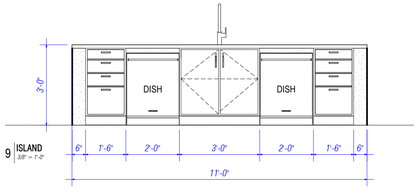

3 MEN'S LOCKER ROOM SOUTH
3/8" = 1'-0"



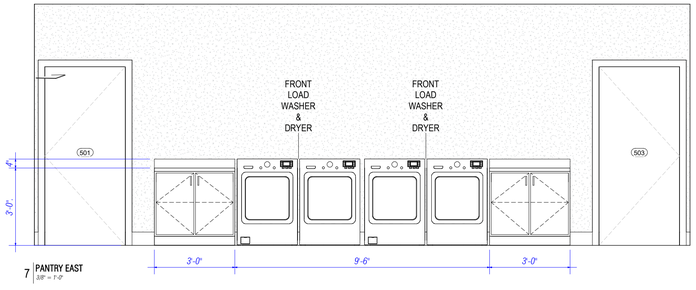

5 BUILDING 4 - L2 - FLOOR PLAN - Callout 2
1/4" = 1'-0"



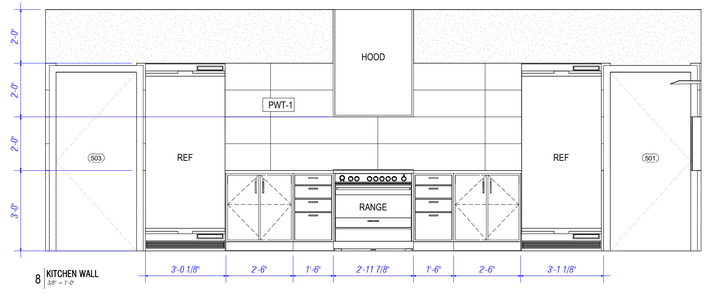

6 PANTRY WEST
3/8" = 1'-0"



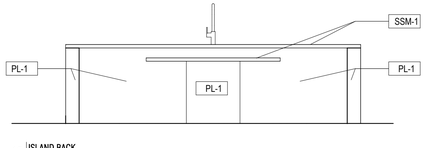

9 ISLAND
3/8" = 1'-0"




7 PANTRY EAST
3/8" = 1'-0"




8 KITCHEN WALL
3/8" = 1'-0"




10 ISLAND BACK
3/8" = 1'-0"

Specialty Equipment Schedule

| Type Mark | Manufacturer | Model | Comments |
|---|---|---|---|
| DISH | GE | DW60UD6X | STAINLESS |
| FREEZER | GE | | STAINLESS |
| FRONT LOAD WASHER & DRYER | GE | | WHITE |
| HOOD | GE | | STAINLESS |
| ICE | Scotsman | CU3030MA-1 | KPUFM30 FLOOR MOUNT KIT FOR 33-1/2" HEIGHT |
| MIC | GE | | STAINLESS |
| MR | BOBRICK | B-290 2436 | |
| RANGE | Fisher & Paykel Appliances | OR36SDI6X1 | |
| REF | GE | | STAINLESS |
| SH-1 | STORAGE RACK W/ SHELVES | 60"W X 18"D X 72"H | BY OWNER |
| SH-2 | STORAGE RACK W/ SHELVES | 60"W X 18"D X 72"H | BY OWNER |
| TV | | | PROVIDED BY OWNER INSTALLED BY CONTRACTOR |

TOILET ACCESSORY SCHEDULE

| Type Mark | Manufacturer | Model |
|---|---|---|
| GB36 | BOBRICK | B-5806 Series |
| GB42 | BOBRICK | B-5806 Series |
| GB SH | BOBRICK | B-6861 |
| MR | BOBRICK | B-290 2436 |
| PTD-1 | BOBRICK | B-509 |
| S-1 | BOBRICK | B-5181 |
| SD | BOBRICK | B-2012 |
| TTD | BOBRICK | B-9890 |

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# OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |
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| | | |

# A4-108

## ENLARGED PLANS & INTERIOR ELEVATIONS

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

| |
|---|
| Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
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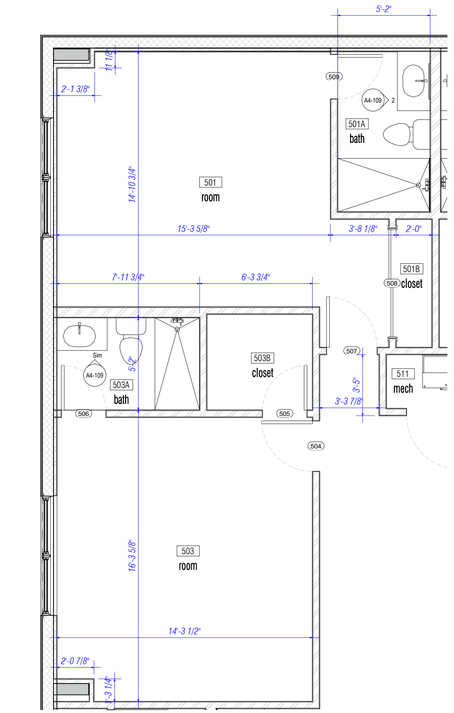
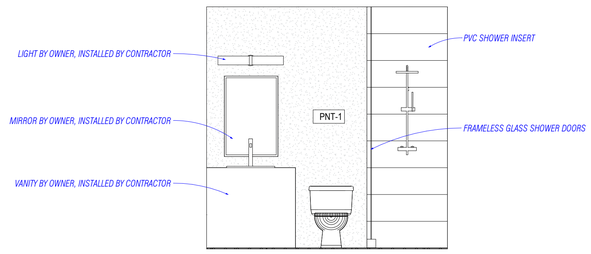



1 TYPICAL ENLARGED DORM PLAN
1/4" = 1'-0"




2 TYPICAL BATHROOM
3/8" = 1'-0"

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# A4-109

ENLARGED PLANS & INTERIOR ELEVATIONS

sheet size 24" x 36"

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With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

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| Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
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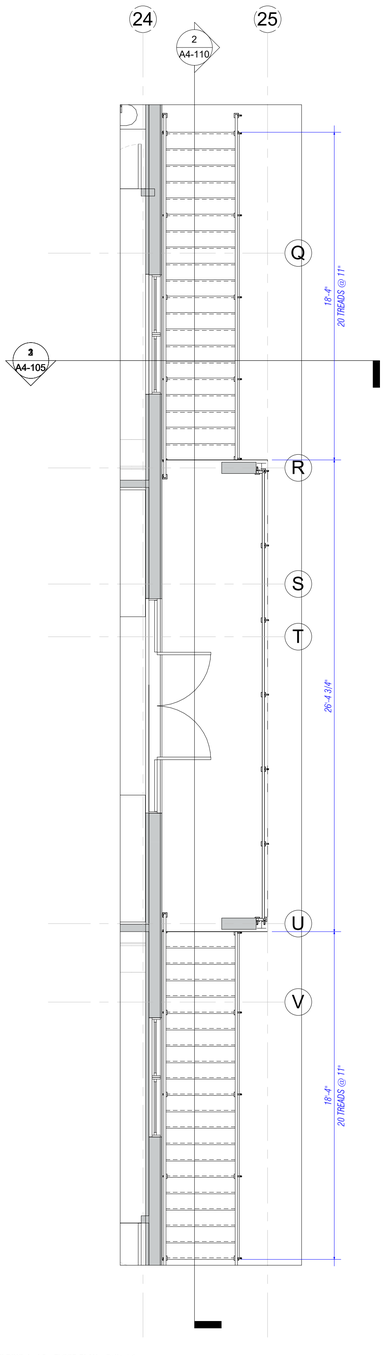
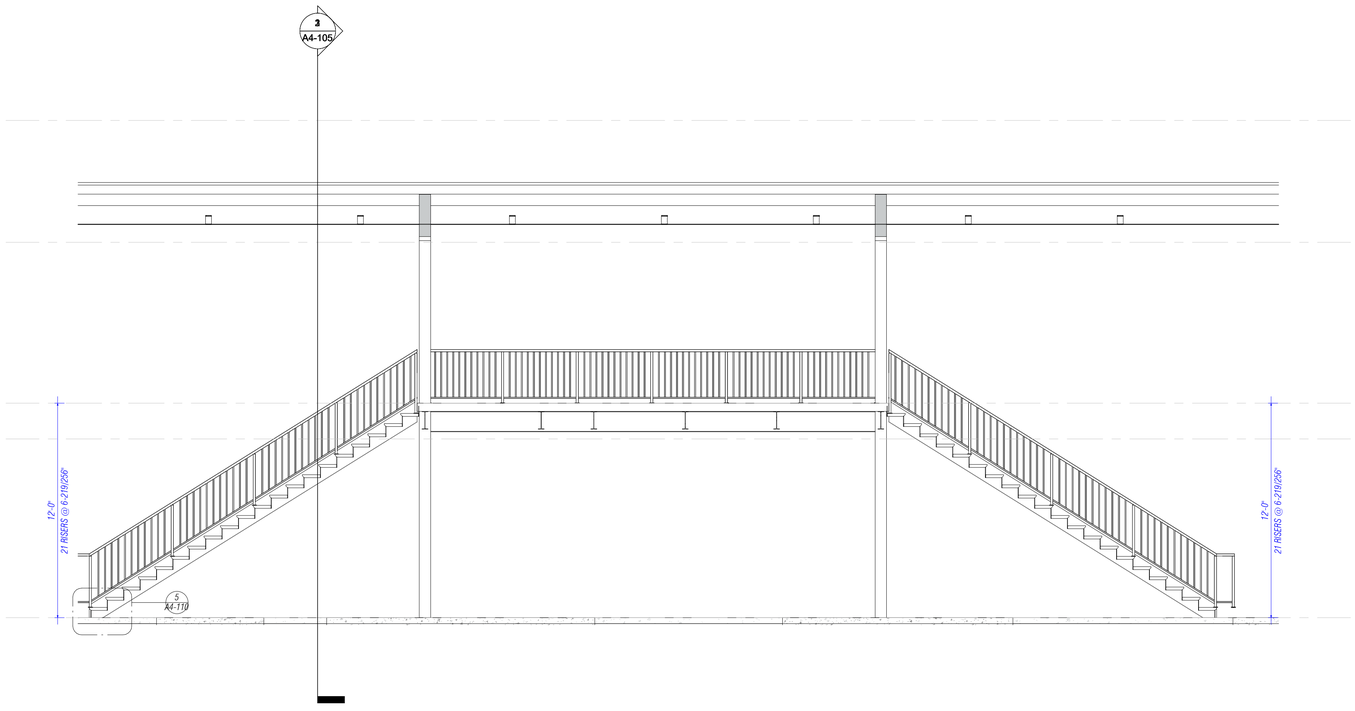
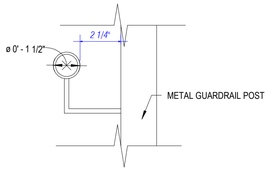


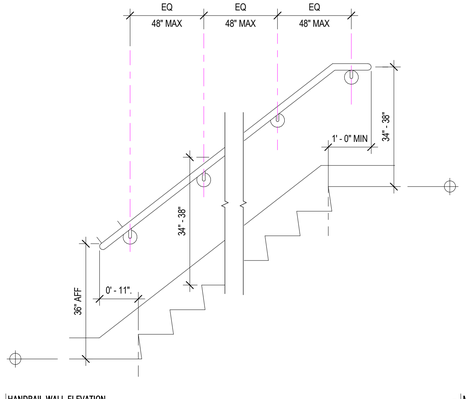

1 | BUILDING 4 - L2 - FLOOR PLAN - Callout 1
1/4" = 1'-0"



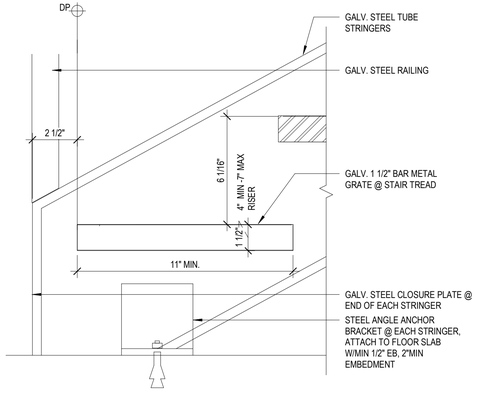

2 | STAIR SECTION
1/4" = 1'-0"



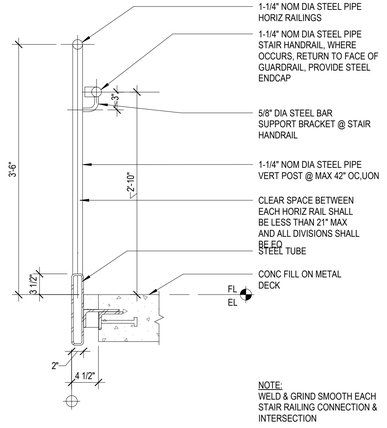

3 | DETAIL - STAIR HANDRAIL
3" = 1'-0"




4 | HANDRAIL WALL ELEVATION
1:20




5 | MTL GRATE STAIR AT FLOOR SLAB DETAIL
3" = 1'-0"




NOTE:
WELD & GRIND SMOOTH EACH STAIR RAILING CONNECTION & INTERSECTION

NON-PUBLIC RAILS

6 | GUARDRAIL SECTION
1" = 1'-0"

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# OLD MEMORIAL

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Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |
| 1 | REVISION 01 | 06.19.26 |

1

# A4-110

## ENLARGED STAIR PLAN AND DETAILS

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
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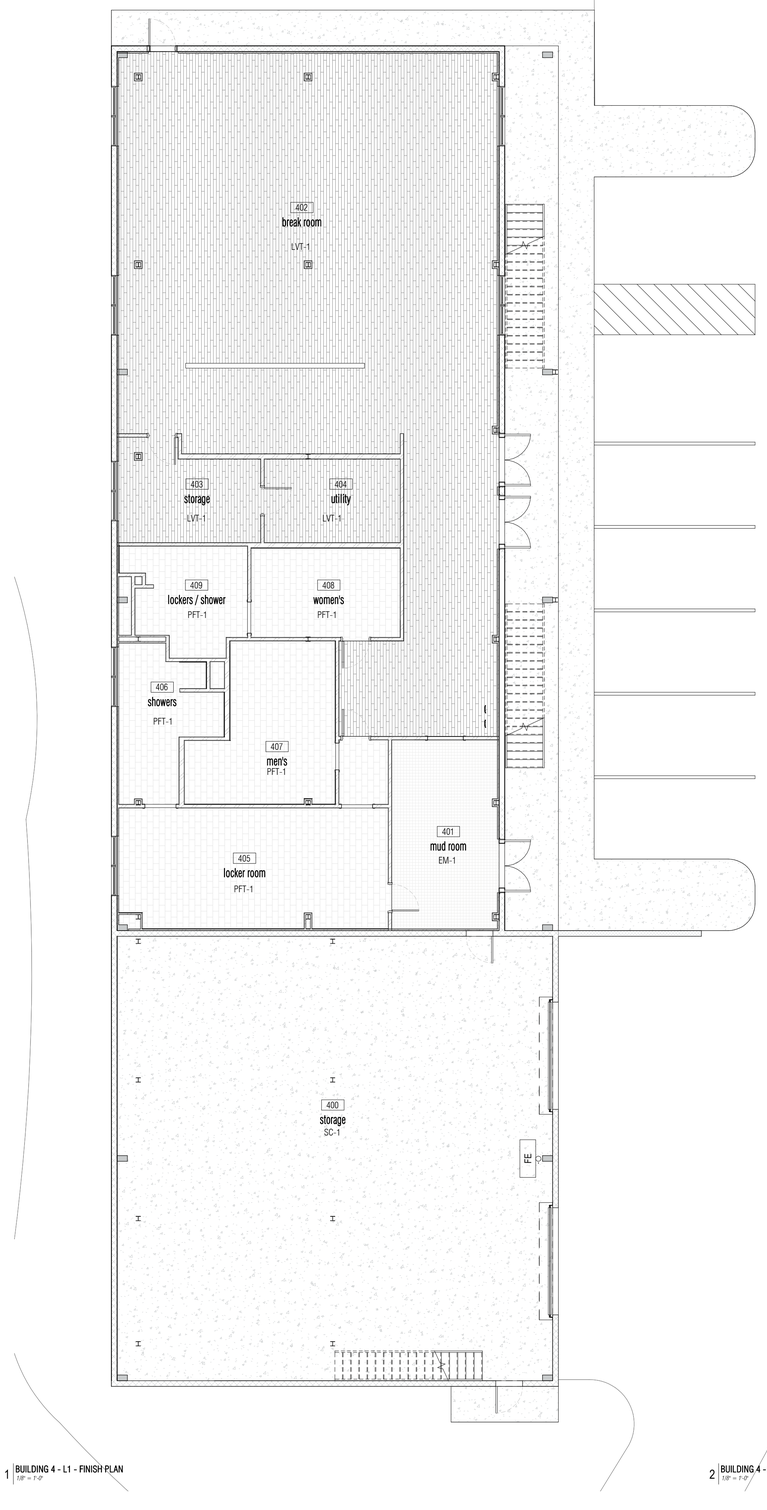
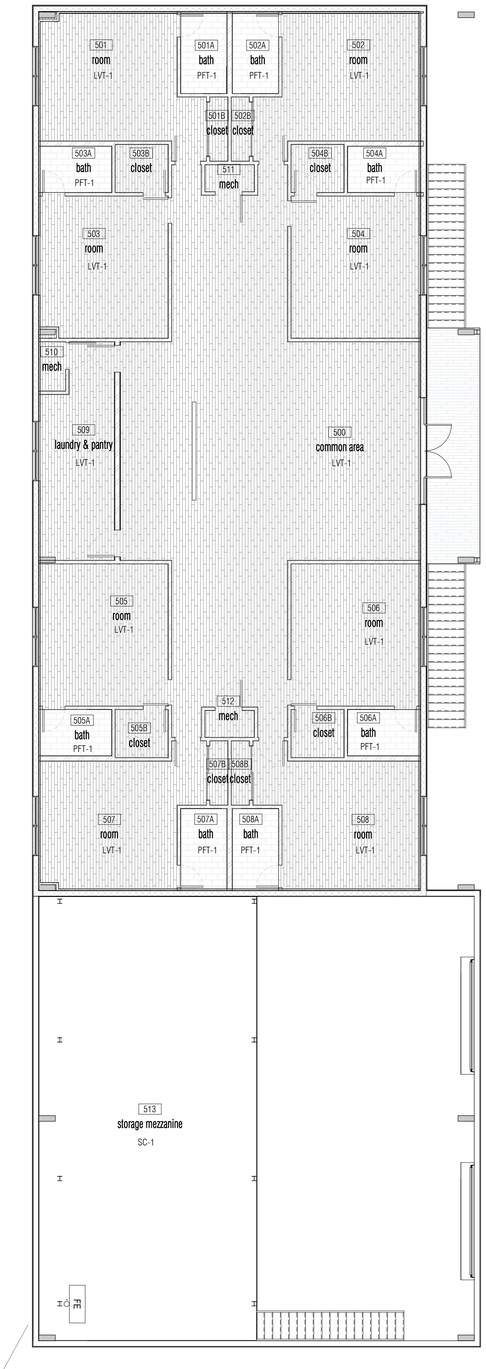



1 BUILDING 4 - L1 - FINISH PLAN
1/8" = 1'-0"




2 BUILDING 4 - L2 - FINISH PLAN
1/8" = 1'-0"

## Room Finish Schedule - BUILDING 4

| Room Number | Room Name | Floor Finish | Base Finish | Wall Finish | Ceiling Finish | Comments |
|---|---|---|---|---|---|---|
| 400 | storage | N/A | N/A | N/A | N/A | |
| 401 | mud room | EM-1 | WD-1 | PNT-1 | ACT | |
| 402 | break room | LVT-1 | WD-1 | PNT-1 | ACT | |
| 403 | storage | LVT-1 | WD-1 | PNT-1 | ACT | |
| 404 | utility | LVT-1 | WD-1 | PNT-1 | ACT | |
| 405 | locker room | PFT-1 | WD-1 | PNT-1 | ACT | |
| 406 | showers | PFT-1 | PFT-1 | PNT-1/PWT-1 | PNT-3 | |
| 407 | men's | PFT-1 | WD-1 | PNT-1 | ACT | |
| 408 | women's | PFT-1 | WD-1 | PNT-1 | ACT | |
| 409 | lockers / shower | PFT-1 | PFT-1 | PNT-1/PWT-1 | PNT-3 | |
| 500 | common area | LVT-1 | WD-1 | PNT-1 | PNT-3 | |
| 501 | room | LVT-1 | WD-1 | PNT-1 | PNT-3 | |
| 501A | bath | PFT-1 | WD-1 | PNT-1 | PNT-3 | |
| 501B | closet | LVT-1 | WD-1 | PNT-1 | PNT-3 | |
| 502 | room | LVT-1 | WD-1 | PNT-1 | PNT-3 | |
| 502A | bath | PFT-1 | WD-1 | PNT-1 | PNT-3 | |
| 502B | closet | LVT-1 | WD-1 | PNT-1 | PNT-3 | |
| 503 | room | LVT-1 | WD-1 | PNT-1 | PNT-3 | |
| 503A | bath | PFT-1 | WD-1 | PNT-1 | PNT-3 | |
| 503B | closet | LVT-1 | WD-1 | PNT-1 | PNT-3 | |
| 504 | room | LVT-1 | WD-1 | PNT-1 | PNT-3 | |
| 504A | bath | PFT-1 | WD-1 | PNT-1 | PNT-3 | |
| 504B | closet | LVT-1 | WD-1 | PNT-1 | PNT-3 | |
| 505 | room | LVT-1 | WD-1 | PNT-1 | PNT-3 | |
| 505A | bath | PFT-1 | WD-1 | PNT-1 | PNT-3 | |
| 505B | closet | LVT-1 | WD-1 | PNT-1 | PNT-3 | |
| 506 | room | LVT-1 | WD-1 | PNT-1 | PNT-3 | |
| 506A | bath | PFT-1 | WD-1 | PNT-1 | PNT-3 | |
| 506B | closet | LVT-1 | WD-1 | PNT-1 | PNT-3 | |
| 507 | room | LVT-1 | WD-1 | PNT-1 | PNT-3 | |
| 507A | bath | PFT-1 | WD-1 | PNT-1 | PNT-3 | |
| 507B | closet | LVT-1 | WD-1 | PNT-1 | PNT-3 | |
| 508 | room | LVT-1 | WD-1 | PNT-1 | PNT-3 | |
| 508A | bath | PFT-1 | WD-1 | PNT-1 | PNT-3 | |
| 508B | closet | LVT-1 | WD-1 | PNT-1 | PNT-3 | |
| 509 | laundry & pantry | LVT-1 | WD-1 | PNT-1 | PNT-3 | |
| 510 | mech | LVT-1 | WD-1 | PNT-1 | PNT-3 | |
| 511 | mech | LVT-1 | WD-1 | PNT-1 | PNT-3 | |
| 512 | mech | LVT-1 | WD-1 | PNT-1 | PNT-3 | |
| 513 | storage mezzanine | N/A | N/A | N/A | N/A | |

**EM-1** DESCRIPTION: STAINLESS STEEL METAL GRATE
MANUFACTURER: AMERICAN FLOOR MATS
STYLE: 5/8"

**LVT-1** DESCRIPTION: WOOD LOOK LVT
MANUFACTURER: INTERFACE
STYLE: ON GRAIN
COLOR: WHITE OAK

**PL-1** DESCRIPTION: PLASTIC LAMINATE
MANUFACTURER: WILSONART
STYLE: HIGH PRESSURE LAMINATE
COLOR: WHITE OAK PB WHEATON

**PFT-1** DESCRIPTION: TERRAZZO FIELD TILE
MANUFACTURER: JEFFREY COURT
STYLE: GARDEN PARTY TERRAZZO
COLOR: GARDEN PARTY
SIZE: 10" X 20"

**PNT-1** DESCRIPTION: PAINT
MANUFACTURER: SHERWIN WILLIAMS
STYLE: EG SHEL FINISH
COLOR: TBD
REMARKS: FIELD WALL PAINT

**PNT-3** DESCRIPTION: PAINT
MANUFACTURER: SHERWIN WILLIAMS
STYLE: FLAT FINISH
COLOR: TBD
REMARKS: CEILING PAINT

**PWT-1** DESCRIPTION: PORCELAIN WALL TILE
MANUFACTURER: TILEBAR
STYLE: PAINT
COLOR: VERDE GREEN
SIZE: 3" X 16"

**SSM-1** DESCRIPTION: SOLID SURFACE MATERIAL
MANUFACTURER: EVEREST STONE
STYLE: QUARTZ
COLOR: GOLDEN SERENITY

**WB-1** DESCRIPTION: WALL BASE- ROLLED GOODS
MANUFACTURER: JOHNSONITE
STYLE: TRADITIONAL
COLOR: TBD
SIZE: 4"

**WD-1** DESCRIPTION: PAINTED FLAT STOCK WOOD 1X4 TRIM BOARD
COLOR: TBD
SIZE: 4"

LAFATE WILSON
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# OLD MEMORIAL

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| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |

# A4-120
## FINISH PLAN

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

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Fire Review - Jay Traina - NA to Private Provider - 7/16/2026

**GN. GENERAL**

1. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE A PORTION OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR AND SUBCONTRACTORS SHALL REFERENCE, AND COORDINATE WITH ALL OTHER DISCIPLINE'S DRAWINGS. ANY DISCREPANCIES OR OMISSIONS SHALL BE REPORTED TO THE STRUCTURAL ENGINEER AND ARCHITECT.

2. DESIGN CRITERIA:

   A. GENERAL BUILDING CODE:
   2023 FLORIDA BUILDING CODE, 8TH EDITION

   B. DESIGN LOAD CRITERIA:
   MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, AMERICAN SOCIETY OF CIVIL ENGINEERS, ASCE 7

   C. FLOOD LOAD CRITERIA:
   FLOOD RESISTANT DESIGN AND CONSTRUCTION, AMERICAN SOCIETY OF CIVIL ENGINEER, ASCE 24

   D. CONCRETE:
   BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, AMERICAN CONCRETE INSTITUTE, ACI 318

   E. STRUCTURAL STEEL:
   SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION, AISC 360

   F. STEEL DECK:
   STANDARD FOR STEEL ROOF DECK, STANDARD FOR NON-COMPOSITE STEEL FLOOR DECK, STANDARD FOR COMPOSITE STEEL FLOOR DECK SLAB, STEEL DECK INSTITUTE, SDI RD, SDI NC, SDI C

   G. MASONRY:
   BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES, THE MASONRY SOCIETY, TMS 402

3. DESIGN LOADS
   A. RISK CATEGORY----------II

   B. DEAD LOADS (PSF):
   ANY CHANGES IN CONSTRUCTION MATERIALS FROM THOSE SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS SHALL BE REPORTED BY THE CONTRACTOR THE STRUCTURAL ENGINEER OF RECORD FOR VERIFICATION OF LOAD-CARRYING CAPACITY.

   C. LIVE LOADS (PSF):
   ROOF (REDUCIBLE)----------20
   SLAB ON GRADE----------100
   RESIDENTIAL----------40

   D. WIND LOADS:
   ULTIMATE DESIGN WIND SPEED, Vult (MPH)----------143
   ALLOWABLE DESIGN WIND SPEED, Vasd (MPH)----------111
   EXPOSURE CATEGORY----------B
   INTERNAL PRESSURE COEFFICIENT----------±0.18
   FOR COMPONENT AND CLADDING PRESSURES - SEE TYPICAL DETAILS

   E. SEISMIC LOADS:
   SEISMIC IMPORTANCE FACTOR, Ie----------1.00
   SITE CLASS----------D
   SEISMIC DESIGN CATEGORY----------A
   MAPPED SPECTRAL RESPONSE ACCELERATIONS:
   Ss----------0.069
   S1----------0.031
   DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS:
   SDs----------0.061
   SD1----------0.044
   SEISMIC FORCE RESISTING SYSTEM:
   STRUCTURAL INTEGRITY, ASCE 7 SECTION 1.4

   F. RAIN LOADS:
   15-MIN RAIN INTENSITY, I----------7.81
   60-MIN RAIN INTENSITY, I----------4.01
   RAIN LOAD (PSF)----------0.0

   G. FLOOD LOADS:
   FLOOD DESIGN CLASS----------2
   FLOOD ZONE----------X

4. EXISTING CONDITION:

   A. CONTRACTOR TO VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS PRIOR TO FABRICATION AND CONSTRUCTION. NOTIFY STRUCTURAL ENGINEER AND ARCHITECT OF ANY DISCREPANCIES PRIOR TO FABRICATION AND CONSTRUCTION.

5. SPECIAL INSPECTIONS/STRUCTURAL ENGINEER'S SITE VISITS:

   A. SPECIAL INSPECTIONS ARE REQUIRED FOR THIS PROJECT PER THE OWNER'S QUALITY CONTROL PLANS. REFER TO DRAWINGS.

   B. SITE VISITS BY STRUCTURAL ENGINEER:

   1. STRUCTURAL ENGINEER'S SITE VISITS ARE FOR VISUAL OBSERVATION OF THE IN-PLACE STRUCTURE FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS AT THE TIME OF THE OBSERVATION.

   C. SITE VISITS BY THE STRUCTURAL ENGINEER'S OFFICE DO NOT REPLACE INSPECTIONS AND TESTING BY THE TESTING AGENCY OR SPECIAL INSPECTOR.

6. SUBMITTALS:

   A. REVIEW OF SHOP DRAWINGS AND OTHER SUBMITTALS BY THE STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTING TO THE STRUCTURAL ENGINEER. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF THE SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. ALL SHOP DRAWINGS MUST BE REVIEWED AND "APPROVED" BY THE CONTRACTOR PRIOR TO SUBMITTAL.

   B. ELECTRONIC SHOP DRAWINGS ARE TO BE SUBMITTED TO THE STRUCTURAL ENGINEER IN .PDF FORMAT.

   C. RESUBMITTED SHOP DRAWINGS SHALL HAVE ALL NOTED CHANGES SINCE THE PREVIOUS SUBMISSION IDENTIFIED BY CLOUDING OR OTHERWISE CLEARLY IDENTIFIED.

   D. SHOP DRAWINGS: THE CONTRACTOR SHALL SUBMIT FOR REVIEW ALL SHOP DRAWINGS AND DELEGATED DESIGN DRAWINGS REFERENCED ON THE SUBMITTAL SCHEDULE SHOWN IN TYPICAL DETAILS. DELEGATED DESIGN DRAWINGS ARE TO BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED. CALCULATIONS SIGNED AND SEALED BY THE LICENSED ENGINEER SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW.

7. ALL DETAILS SHOWN IN THE DRAWINGS ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS.

8. THE CONTRACTOR IS RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCING, AND PROCEDURE OF CONSTRUCTION.

9. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS/ROOFS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT CONSTRUCTION LOADS DO NOT EXCEED THE NOTED DESIGN LIVE LOADS.

**FD. FOUNDATIONS**

1. GEOTECHNICAL ENGINEER: VALLEYSHORE ENGINEERING
GEOTECHNICAL REPORT TITLE: REPORT OF GEOTECHNICAL EXPLORATION, OLD MEMORIAL GOLF CLUB, 9602 SOUTH MOBLEY ROAD, TAMPA, FLORIDA 33556
JOB NUMBER: P26-0018.2
REPORT DATE: FEBRUARY 13, 2026

2. SHALLOW FOUNDATION ALLOWABLE BEARING PRESSURES:
STRIP FOUNDATIONS----------2000 PSF
SPREAD FOUNDATIONS----------2000 PSF

3. ALL FOUNDATION BEARING SURFACES SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE TO ENSURE COMPLIANCE WITH NOTED PRESSURES.

4. FINAL BEARING ELEVATIONS MAY VARY AS REQUIRED TO PROVIDE PROPER BEARING CAPACITY IN AN APPROVED BEARING STRATUM AS DETERMINED BY THE GEOTECHNICAL ENGINEER.

5. FOOTINGS SHALL BE NEATLY EXCAVATED WHERE POSSIBLE AND FREE OF LOOSE OR WET MATERIALS. WHERE SOFT OR UNSUITABLE BEARING SURFACES ARE ENCOUNTERED, THE AREA SHALL BE UNDERCUT AS REQUIRED AND REPLACED WITH LEAN CONCRETE OR COMPACTED, DENSE GRADED STONE AS DIRECTED BY THE GEOTECHNICAL ENGINEER.

6. FOOTINGS SHALL BE PLACED THE SAME DAY AS INSPECTED BY THE GEOTECHNICAL ENGINEER UNLESS OTHERWISE DIRECTED BY THE GEOTECHNICAL ENGINEER.

7. COMPACTED FILL SHALL MEET THE REQUIREMENTS NOTED IN THE GEOTECHNICAL REPORT. EXCAVATED MATERIAL MAY BE USED AS BACKFILL WITH WRITTEN APPROVAL FROM THE GEOTECHNICAL ENGINEER STATING THAT SUCH MATERIAL IS SUITABLE AS BACKFILL AND INSTRUCTIONS ARE GIVEN FOR PROPER MOISTURE CONTENT AND COMPACTION.

8. FOUNDATION AND RETAINING WALLS SHALL NOT BE BACKFILLED UNTIL CONCRETE HAS REACHED NOTED 28-DAY COMPRESSIVE STRENGTH.

9. PROVIDE 4" OF COMPACTED GRANULAR FILL BENEATH ALL SLABS ON GRADE. PROVIDE 10 MIL VAPOR RETARDER BETWEEN BOTTOM OF SLAB AND TOP OF GRANULAR FILL.

**CN. CONCRETE**

1. CONCRETING OPERATIONS SHALL COMPLY WITH ACI STANDARDS.

2. REINFORCING BARS USED IN CONCRETE SHALL MEET ASTM A615, GRADE 60.

3. WELDED WIRE REINFORCEMENT (WWR) USED IN CONCRETE SHALL MEET ASTM A185. MINIMUM LAP AND EMBEDMENT TO BE THE GREATER OF ONE CROSS WIRE SPACING + 2", OR 6".

4. REINFORCING BARS SHOWN IN SECTIONS AND DETAILS ARE A SCHEMATIC REPRESENTATION OF THE MEMBER REINFORCEMENT. SEE SCHEDULES, SECTION NOTES, AND GENERAL NOTES FOR ACTUAL REINFORCEMENT REQUIRED. DO NOT SCALE OFF OF SECTIONS.

5. DETAILING, FABRICATION, AND PLACEMENT OF REINFORCEMENT AND ANY ACCESSORIES SHALL BE IN ACCORDANCE WITH ACI 315, GUIDE TO PRESENTING REINFORCING STEEL DESIGN DETAILS. FABRICATION OF REINFORCEMENT STEEL CANNOT BEGIN TILL ENGINEER OF RECORD HAS REVIEWED AND APPROVED SHOP DRAWINGS. SEE SUBMITTAL SCHEDULE FOR SHOP DRAWING REQUIREMENTS.

6. SPLICES SHALL BE CLASS "B" TENSION LAP SPLICES UNLESS NOTED. REINFORCEMENT MARKED CONTINUOUS SHALL BE SPLICED WITH A CLASS "B" TENSION LAP SPLICE. BARS SHALL BE IN CONTACT WHEN MAKING A LAP SPLICE UNLESS OTHERWISE NOTED.

7. DO NOT WELD REINFORCEMENT WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD.

**SS. STRUCTURAL STEEL**

1. FABRICATE AND ERECT ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".

2. THE STEEL FRAME IS "NON-SELF-SUPPORTING". ADEQUATE TEMPORARY SUPPORT MUST BE PROVIDED BY THE CONTRACTOR TILL THE LATERAL FORCE RESISTING SYSTEM ELEMENTS AND STABILITY OF THE STRUCTURE IS IN PLACE.

3. STRUCTURAL STEEL AND STRUCTURAL STEEL CONNECTIONS MUST CONFORM TO THE FOLLOWING MINIMUM REQUIREMENTS, UNLESS NOTED ELSEWHERE IN THE DOCUMENTS.

   WIDE FLANGE (W & WT) SHAPES, CHANNELS (C & MC)----------ASTM A992
   ALL PLATES, ANGLES (L)----------ASTM A572, GR. 50
   MISCELLANEOUS (M & MT), AMERICAN STANDARD (S & ST), AND WIDE FLANGE BEARING PILES (HP) SHAPES----------ASTM A572 GR. 50
   HOLLOW STRUCTURAL SECTION (HSS)----------ASTM A500, GR.C
   STEEL PIPE----------ASTM A53, GR. B
   HEADED STUDS----------ASTM A108
   BOLTS----------ASTM F3125
   NUTS----------ASTM A563
   ANCHOR RODS----------ASTM F1554 GR. 36
   THREADED ROD----------ASTM A36
   WASHERS (FOR STRUCTURAL BOLTS)----------ASTM F436
   WASHERS (FOR ANCHOR BOLTS)----------ASTM A36
   WELDED CONNECTIONS----------E70XX ELECTRODES

4. BEAMS ARE TO BE SPACED EQUALLY IN BAYS, UNLESS DIMENSIONED ON PLAN.

5. BEAMS SHALL BE ERECTED WITH NATURAL CAMBER ORIENTED UPWARDS.

6. FABRICATE BRACING MEMBERS WITH SUFFICIENT DRAW TO PREVENT SAGGING.

7. HSS MEMBERS SHALL HAVE 1/4" CLOSURE PLATE.

8. GROUT UNDER BASE PLATES SHALL BE NON-SHRINK, NON-METALLIC TYPE. GROUT SHALL HAVE SPECIFIED DESIGN COMPRESSIVE STRENGTH TWO TIMES THAT OF THE SUPPORTING CONCRETE.

9. STRUCTURAL STEEL MEMBERS SHALL NOT BE CUT, SPLICED, OR MODIFIED IN THE FIELD UNLESS NOTED ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.

10. STRUCTURAL STEEL NOT EXPOSED TO VIEW SHALL BE PRIMED WITH THE MANUFACTURER'S STANDARD SHOP PRIMER. STRUCTURAL STEEL EXPOSED TO WEATHER IN ITS FINAL POSITION SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123. STRUCTURAL STEEL EXPOSED TO VIEW, REFER TO PROJECT SPECIFICATIONS FOR FINISHED COATING SYSTEM.

11. CONNECTION WORK LINES SHOWN IN THE TYPICAL DETAILS ARE ALONG THE MEMBERS NEUTRAL AXIS UNLESS NOTED.

12. ALL WELD SHALL CONFORM TO THE AMERICAN WELDING SOCIETY STANDARDS AND MUST BE PERFORMED BY A CERTIFIED WELDER.

13. ALL WELD SIZES SHOWN IN THE DRAWINGS ARE CONSIDERED EFFECTIVE WELD SIZES.

14. ALL BOLTED CONNECTIONS SHALL BE BEARING TYPE CONNECTIONS.

15. ALTERNATE CONNECTION DETAILS FROM THOSE SHOWN IN THE TYPICAL DETAILS SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD FOR APPROVAL.

16. ALL STRUCTURAL STEEL CONNECTIONS ARE TO BE DESIGNED UNDER DIRECT SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER IN THE STATE IN WHICH THE PROJECT IS LOCATED.

17. DESIGN CALCULATIONS FOR THE CONNECTIONS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD. CONNECTION CALCULATIONS IN THE CALCULATION PACKAGE SHALL BE REPRESENTATIVE OF THE CONNECTIONS DETAILED IN THE SHOP DRAWINGS. THE CALCULATIONS SHALL BE SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE IN WHICH THE PROJECT IS LOCATED.

18. SEE PLAN NOTES FOR BEAM REACTIONS.

**SD. STEEL DECK**

1. ROOF DECK: WIDE RIB TYPE "WR", STEEL ROOF DECK, 20 GAGE, 1-1/2" DEEP.

2. DECK PROPERTIES, ACCESSORIES, AND ATTACHMENTS SHALL BE ACCORDANCE WITH THE STEEL DECK INSTITUTE (SDI).

3. DECKS SHALL BE CONTINUOUS OVER THREE SPANS.

4. DO NOT SHORE DECK.

5. SHEET STEEL FOR DECKING SHALL BE GRADE A653 SS GR50, MINIMUM.

6. DECK SHALL HAVE A G60 GALVANIZED FINISH.

7. STEEL DECK SHALL HAVE A MINIMUM 1-1/2" BEARING AT END CONDITIONS.

8. STEEL DECK SHALL HAVE A MINIMUM 3" BEARING AT INTERMEDIATE CONDITIONS.

9. LIGHT GAGE FRAMING, SUSPENDED CEILING SYSTEMS, MEP SYSTEMS, AND OTHER UTILITIES SHALL NOT BE SUPPORTED BY THE STEEL ROOF DECK.

**MA. MASONRY**

1. MASONRY CONSTRUCTION SHALL CONFORM TO TMS 402/602.

2. CONCRETE MASONRY UNITS (CMU) SHALL BE NORMAL WEIGHT (DENSITY = 125 PCF), CONFORMING TO ASTM C90, UNLESS NOTED.

3. COMPRESSIVE STRENGTH OF MASONRY (f'm) IS 2000 PSI AT 28 DAYS.

4. COMPRESSIVE STRENGTH OF GROUT (f'g) IS 2500 PSI AT 28 DAYS. GROUT SHALL CONFORM TO ASTM C476 AND BE PLACED IN ACCORDANCE WITH TMS 602.

5. MORTAR SHALL CONFORM TO ASTM C270, TYPE S OR M FOR TYPICAL CONDITIONS (TYPE M FOR BASEMENT WALLS).

6. MASONRY WALLS SHALL BE LAID IN RUNNING BOND, UNLESS NOTED.

7. ALL BLOCK CELLS BELOW GRADE SHALL BE FILLED WITH CONCRETE OR GROUT.

8. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF CONTROL JOINTS AND OPENINGS.

9. REINFORCING BARS USED IN MASONRY SHALL MEET ASTM A615, GRADE 60.

10. CONDUIT, PIPING, AND SLEEVES OF ANY MATERIAL TO BE EMBEDDED IN MASONRY SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:

    A. CANNOT BE MADE OF ALUMINUM.

    B. CANNOT PASS THROUGH JAMBS, LINTELS, BOND BEAMS, OR SHEAR WALLS WITHOUT APPROVAL BY THE STRUCTURAL ENGINEER.

    C. REINFORCEMENT BARS CANNOT BE CUT, BENT, OR DISPLACED.

    D. SPACING OF CONDUIT, PIPE, OR SLEEVE SHALL NOT BE CLOSER THAN 3 DIAMETERS ON CENTER. MINIMUM SPACING OF DIFFERENT DIAMETERS SHALL BE DETERMINED BY THE LARGER DIAMETER.

11. TEMPORARY BRACING OF MASONRY WALLS IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL REMAIN IN PLACE UNTIL PERMANENT RESTRAINT IS PROVIDED.

12. HORIZONTAL JOINT REINFORCING: LADDER TYPE, 9 GAGE SPACED VERTICALLY AT 16", UNLESS NOTED. PLACE REINFORCING ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. LAP REINFORCING A MINIMUM OF 6".

**MB. PRE-ENGINEERED METAL BUILDING**

1 THE METAL BUILDING DESIGN SHALL BE BASED ON THE SAME CODE REQUIREMENTS LISTED IN GN.2 AND LOADS LISTED GN.3.

2 THE DESIGN OF PRE-ENGINEERED METAL BUILDING SHALL BE DONE BY, OR UNDER THE SUPERVISION OF A LICENSED ENGINEER IN THE STATE IN WHICH THE BUILDING IS LOCATED.

3 PRELIMINARY REACTIONS SHOWN IN THESE DRAWINGS AND USED IN THE DESIGN OF THE FOUNDATIONS AND ANCHOR BOLT EMBEDMENT COME FROM THE FOLLOWING. FINAL REACTIONS SHALL BE SUPPLIED TO THE ENGINEER OF RECORD PRIOR TO FABRICATION OF THE PRE-ENGINEERED METAL BUILDING AND CONSTRUCTION OF THE FOUNDATIONS.
PRE-ENGINEERED METAL BUILDING SUPPLIER:
REPORT NAME:
REPORT NUMBER:
REPORT DATE:

3 PRELIMINARY REACTIONS SHOWN IN THESE DRAWINGS WERE CALCULATED BY THE ENGINEER OF RECORD BASED ON THE LOADING LISTED IN GN.2 WITHOUT INPUT FROM THE PRE-ENGINEERED METAL BUILDING ENGINEER. FINAL REACTIONS SHALL BE SUPPLIED TO THE ENGINEER OF RECORD PRIOR TO FABRICATION OF THE PRE-ENGINEERED METAL BUILDING AND CONSTRUCTION OF THE FOUNDATIONS.

4. THE PRE-ENGINEERED METAL BUILDING ENGINEER SHALL SPECIFY THE REQUIRED DIAMETER OF ANCHOR BOLTS FOR COLUMN BASE PLATE CONNECTION. ANCHOR ROD EMBEDMENT AND REINFORCEMENT DETAILING SHALL BE DONE BY THE ENGINEER OF RECORD AND SHOWN IN THESE DRAWINGS.

| | |
|---|---|
| @ | AT |
| & | AND |
| # | NUMBER OR POUND |
| % | PERCENT |
| Ø | DIAMETER |
| ° | DEGREE |
| ASD | ALLOWABLE STRESS DESIGN |
| ACI | AMERICAN CONCRETE INSTITUTE |
| AISC | AMERICAN INSTITUTE OF STEEL CONSTRUCTION |
| AISI | AMERICAN IRON AND STEEL INSTITUTE |
| ASTM | AMERICAN SOCIETY FOR TESTING MATERIALS |
| AWS | AMERICAN WELDING SOCIETY |
| AFF | ABOVE FINISH FLOOR |
| ARCH. | ARCHITECT OR ARCHITECTURAL |
| AESS | ARCHITECTURALLY EXPOSED STRUCTURAL STEEL |
| AHU | AIR HANDLING UNIT |
| ALT | ALTERNATE |
| APPROX | APPROXIMATE |
| APPRV | APPROVED |
| B | BOTTOM |
| BRG | BEARING |
| BOF | BOTTOM OF FOUNDATION |
| BOT | BOTTOM |
| BLDG | BUILDING |
| BTWN | BETWEEN |
| CIP | CAST-IN-PLACE |
| CONC | CONCRETE |
| CMU | CONCRETE MASONRY UNIT |
| CRSI | CONCRETE REINFORCING STEEL INSTITUTE |
| CONT | CONTINUOUS |
| CJ | CONTROL JOINT |
| CLR | CLEAR |
| COL | COLUMN |
| C | CHANNEL |
| COMP | COMPRESSION |
| CONN | CONNECTION |
| CONTR | CONTRACTOR |
| DIA | DIAMETER |
| DIM | DIMENSION |
| DWLS | DOWELS |
| DBL | DOUBLE |
| DEG | DEGREE |
| DP | DRILLED PIER |
| EA | EACH |
| EE | EACH END |
| EF | EACH FACE |
| EJ | EXPANSION JOINT |
| ES | EACH SIDE |
| EQ | EQUAL |
| EXP | EXPANSION |
| EW | EACH WAY |
| EOD | EDGE OF DECK |
| EOS | EDGE OF SLAB |
| ELEC | ELECTRICAL |
| EMBED | EMBEDMENT |
| ENGR | ENGINEER |
| FF | FINISH FACE |
| FT | FOOT OR FEET |
| FTG | FOOTING |
| FDN | FOUNDATION |
| FV | FIELD VERIFY |
| FS | FAR SIDE |
| GALV | GALVANIZED |
| GA | GAUGE |
| GR | GRADE |
| H. STUD | HEADED STUDS |
| IN | INCH |
| INV | INVERT |
| INFO | INFORMATION |
| JT | JOINT |
| JST | JOIST |
| JG | JOIST GIRDER |
| K | KIP (1000 LBS) |
| KSF | KIPS PER SQUARE FOOT |
| KSI | KIPS PER SQUARE INCH |
| KLF | KIPS PER LINEAR FOOT |
| LW | LIGHT WEIGHT |
| LWC | LIGHT WEIGHT CONCRETE |
| LRFD | LOAD AND RESISTANCE FACTOR DESIGN |
| LLV | LONG LEG VERTICAL |
| LLH | LONG LEG HORIZONTAL |
| LBS | POUNDS |
| L | ANGLE |
| MTL | METAL |
| MIN | MINIMUM |
| MAX | MAXIMUM |
| MRF | MANUFACTURER |
| M | MOMENT |
| MECH | MECHANICAL |
| MISC | MISCELLANEOUS |
| NWC | NORMAL WEIGHT CONCRETE |
| NIC | NOT IN CONTRACT |
| NS | NS |
| N.T.S | NOT TO SCALE |
| OC | ON CENTER |
| OPNG | OPENING |
| OPP | OPPOSITE |
| PC | PILE CAP |
| PL | PLATE |
| PSF | POUNDS PER SQUARE FOOT |
| PSI | POUNDS PER SQUARE INCH |
| PCI | POUNDS PER CUPIC FOOT |
| PLBG | PLUMBING |
| PLF | POUNDS PER LINEAR FOOT |
| PT | POST-TENSIONING |
| R | RADIUS |
| REINF | REINFORCEMENT |
| SECT | SECTION |
| SC | SHEAR CONNECTOR |
| SHT | SHEET |
| SLV | SHORT LEG VERTICAL |
| SIM | SIMILAR |
| SOG | SLAB ON GRADE |
| STD | STANDARD |
| STL | STEEL |
| SDI | STEEL DECK INSTITUTE |
| SF | SQUARE FOOT |
| STIFF | STIFFENER |
| SUP | SUPPORT |
| SYM | SYMMETRICAL |
| STD | STANDARD |
| T | TOP |
| TO | TOP OF |
| TOC | TOP OF CONCRETE |
| TOF | TOP OF FOOTING |
| TOS | TOP OF STEEL |
| TOW | TOP OF WALL |
| TOPC | TOP OF PILE CAP |
| TYP | TYPICAL |
| T | TENSION |
| UNO | UNLESS NOTED OTHERWISE |
| US | UNDERSIDE |
| WWR | WELDED WIRE REINFORCEMENT |
| W/ | WITH |
| WP | WORK POINT |
| W/O | WITHOUT |

ALIGNED
CIVIL & STRUCTURAL
4527 HUNTINGTON ST NE
ST. PETERSBURG, FL 33703 | 205.913.3482
PROJECT #: 26003
THE DRAWINGS AND DESIGN INTENT ARE THE SOLE PROPERTY OF ALIGNED ENGINEERING AND DESIGN WHICH MAY NOT BE REPRODUCED WITHOUT WRITTEN PERMISSION.

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# OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 4.24.26 |

# S0-101
## GENERAL NOTES

sheet size 24"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026

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| Flat Roof Pressures | | |
|---|---|---|
| Area (sq.ft) | Max + Pressure (psf) | Max - Pressure (psf) |
| Interior Zone 1' | | |
| 10 | 16.0 | -47.7 |
| 20 | 16.0 | -44.5 |
| 50 | 16.0 | -40.4 |
| 100 | 16.0 | -37.2 |
| 200 | 16.0 | -34.1 |
| ≥500 | 16.0 | -29.9 |
| Perimeter Zone 2 | | |
| 10 | 16.0 | -62.9 |
| 20 | 16.0 | -58.9 |
| 50 | 16.0 | -53.5 |
| 100 | 16.0 | -49.5 |
| 200 | 16.0 | -45.4 |
| ≥500 | 16.0 | -40.1 |
| Corner Zone 3 | | |
| 10 | 16.0 | -85.7 |
| 20 | 16.0 | -77.6 |
| 50 | 16.0 | -66.9 |
| 100 | 16.0 | -58.9 |
| 200 | 16.0 | -50.8 |
| ≥500 | 16.0 | -40.1 |

**1** Flat Roof Components and Cladding Wind Pressures
3/4" = 1'-0"

| Gable/Hip Roof Pressures | | |
|---|---|---|
| Area (sq.ft) | Max + Pressure (psf) | Max - Pressure (psf) |
| Interior Zone 1 | | |
| 10 | 24.2 | -67.7 |
| 20 | 22.1 | -58.2 |
| 50 | 19.2 | -45.7 |
| 100 | 17.1 | -36.2 |
| 200 | 16.0 | -26.7 |
| ≥500 | 16.0 | -21.1 |
| Perimeter Zone 2 | | |
| 10 | 24.2 | -89.4 |
| 20 | 22.1 | -77.2 |
| 50 | 19.2 | -61.1 |
| 100 | 17.1 | -48.9 |
| 200 | 16.0 | -36.6 |
| ≥500 | 16.0 | -36.6 |
| Corner Zone 3 | | |
| 10 | 24.2 | -117.4 |
| 20 | 22.1 | -100.6 |
| 50 | 19.2 | -78.3 |
| 100 | 17.1 | -61.5 |
| 200 | 16.0 | -61.5 |
| ≥500 | 16.0 | -61.5 |

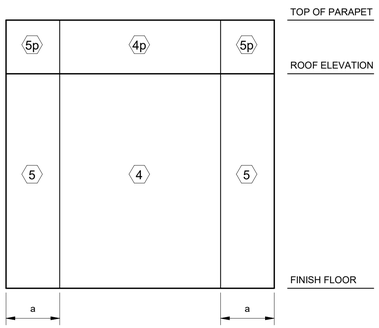
**2** Gable/Hip Roof Components and Cladding Wind Pressures
3/4" = 1'-0"

| Wall Pressures | | |
|---|---|---|
| Area (sq.ft) | Max + Pressure (psf) | Max - Pressure (psf) |
| Interior Zone 4 | | |
| 10 | 36.6 | -39.8 |
| 20 | 35.0 | -38.1 |
| 50 | 32.8 | -35.9 |
| 100 | 31.2 | -34.3 |
| 200 | 29.5 | -32.6 |
| ≥500 | 27.3 | -30.4 |
| Corner Zone 5 | | |
| 10 | 36.6 | -49.1 |
| 20 | 35.0 | -45.8 |
| 50 | 32.8 | -41.4 |
| 100 | 31.2 | -38.1 |
| 200 | 29.5 | -34.8 |
| ≥500 | 27.3 | -30.4 |

**3** Wall Components and Cladding Wind Pressures
3/4" = 1'-0"

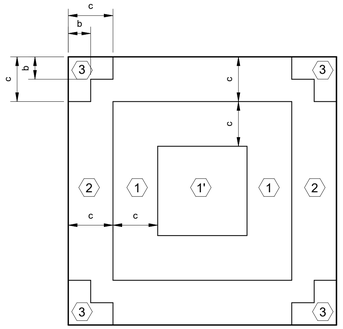
## Structural Submittal Schedule

| Submittal Type | Description | For Approval | For Record | Signed & Sealed Shop Dwgs | Signed & Sealed Calcs |
|---|---|---|---|---|---|
| 31600 FOUNDATIONS | | | | | |
| MILD REINFORCEMENT | | X | | | |
| 33000 STRUCTURAL CONCRETE | | | | | |
| CONCRETE MIX DESIGN | SUBMIT MIX DESIGN FOR EACH CONCRETE MIX DESIGN. NOTE THE USAGE FOR EACH PROVIDED DESIGN. PROVIDE MIX RECIPE, BREAK DATE, AND PRODUCT DATA AS REQUIRED BY ACI 301. | X | | | |
| CONCRETE ACCESSORIES | VAPOR BARIER, REBAR CHAIRS, ETC. | X | | | |
| WELDED WIRE REINFORCEMENT | | X | | | |
| MILD REINFORCEMENT | | X | | | |
| CONCRETE FORMWORK | | | X | | |
| EMBEDDED ITEMS | EMBED PLATES, BEARING PLATES, ETC. | X | | | |
| 42000 CONCRETE MASONRY UNITS (CMU) | | | | | |
| MASONRY PRODUCT INFORMATION | | X | | | |
| MILD REINFORCEMENT | VERTICAL REINF, BOND BEAM REINF, LITEL REINF, BENT BAR SCHEDULE | X | | | |
| GROUT MIX DESIGNS | MIX DESIGN AND BREAK DATA | X | | | |
| MORTAR MIX DESIGNS | | X | | | |
| MASONRY ACCESSORIES | BAR SPASCERS, HORIZONTAL JOINT REINF, ETC. | | X | | |
| PRECAST LINTEL DATA | | X | | | |
| 51200 STRUCTURAL STEEL | | | | | |
| STRUCTURAL STEEL | | X | | X | |
| STEEL CONNECTION CALCULATIONS | BEAM-BEAM CONNECTIONS, VERTICAL BRACING, MOMENT CONNECTIONS, ETC. | X | | | X |
| STEEL STAIRS | | X | | X | |
| STEEL STAIR CALCULATIONS | STAIR MEMBERS AND THEIR CONNECTIONS TO EACHOTHER/TO THE STRUCTURE | X | | | X |
| STEEL HANDRAILS | | X | | X | X |
| 53100 STEEL DECK | | | | | |
| STEEL DECK | SUBMIT PLANS SHOWING SPANS, DECK SIZE, AND MATERIAL FOR EACH ROOF AND/OR DECK TYPE. | X | | | |
| DECK ATTACHMENT | | X | | | |
| 133419 METAL BUILDING SYSTEMS | | | | | |
| ERECTION DRAWINGS | SIZE, LAYOUT, AND ORIENTATION OF COLUMNS, ANCHOR BOLT DIAMETER AND LAYOUT IN BASE PLATE. | X | | X | |
| CALCULATIONS | LIST LOADS USED IN DESIGN. LIST FINAL COLUMN REACTIONS. | X | | | X |



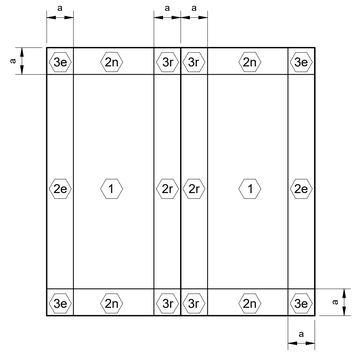

**4** Wall Components and Cladding Wind Zones
3/4" = 1'-0"

| |
|---|
| a = 5' - 0" |
| b = 3' - 2" |
| c = 7' - 2" |




**5** Flat Components and Cladding Wind Zones
3/4" = 1'-0"

| |
|---|
| a = 5' - 0" |
| b = 3' - 2" |
| c = 7' - 2" |




**6** Gable Roof (7°<Θ≤20°) Components and Cladding Wind Zones
3/4" = 1'-0"

| |
|---|
| a = 5' - 0" |
| b = 3' - 2" |
| c = 7' - 2" |

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S0-102

COMPONENTS AND CLADDING SHEET

sheet size 24"

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With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

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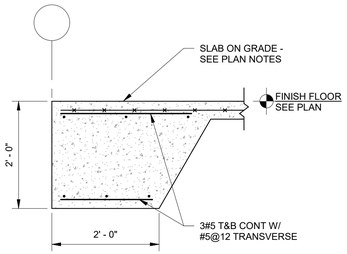
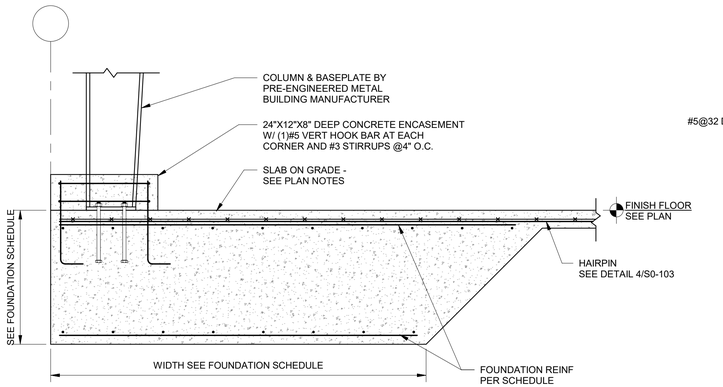
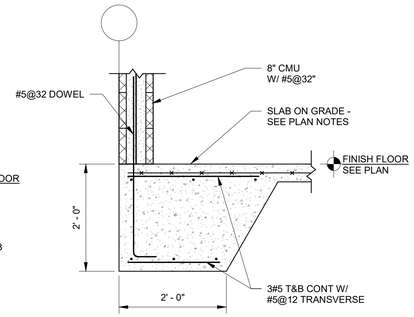


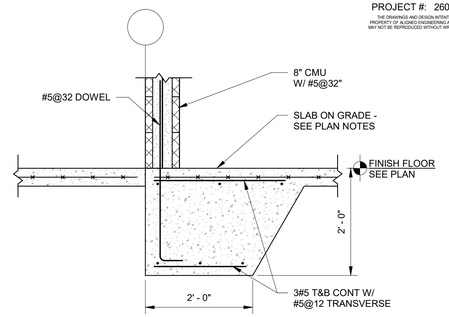

1 Section
N.T.S.



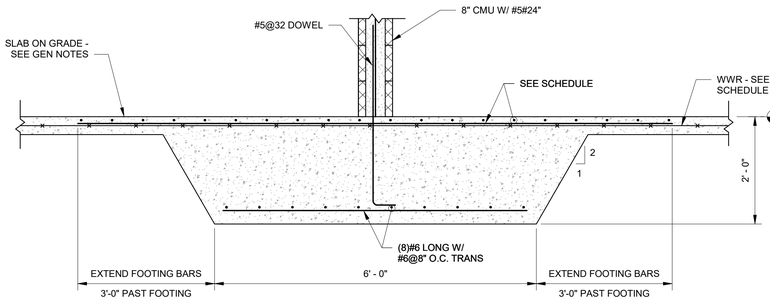

2 Section
N.T.S.



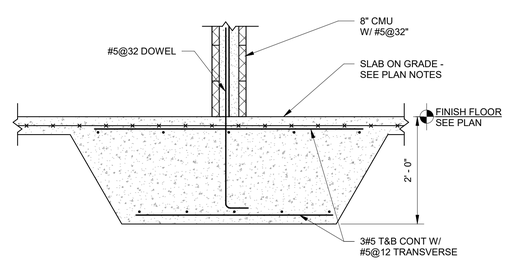

3 Section
3/4" = 1'-0"



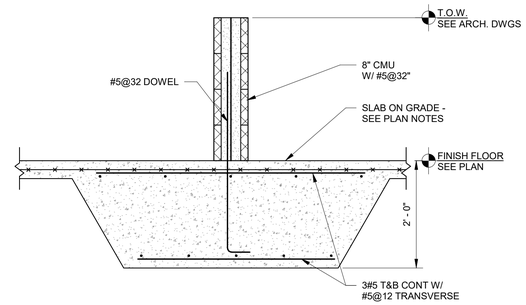

4 Section
3/4" = 1'-0"



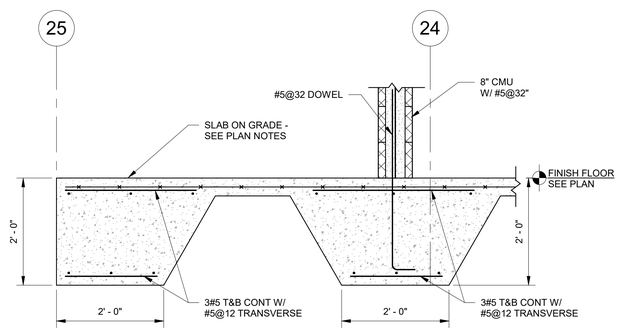

5 Section
3/4" = 1'-0"



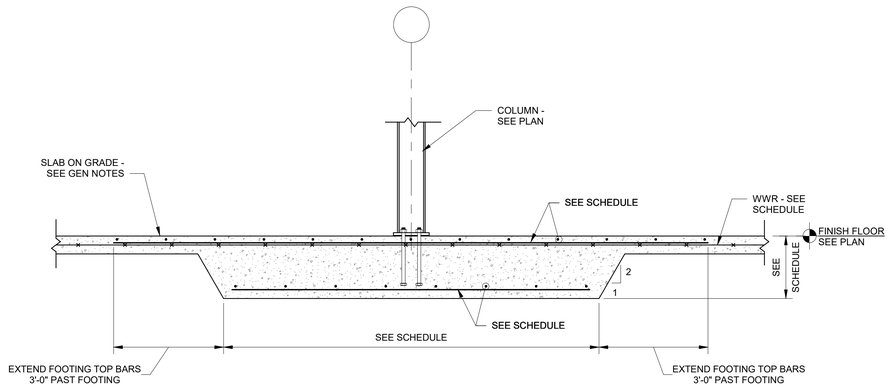

6 Section
3/4" = 1'-0"



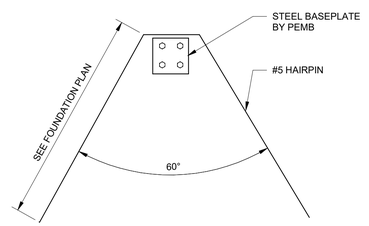

7 Section
3/4" = 1'-0"




8 Section
3/4" = 1'-0"




9 Section
N.T.S.




10 Hair Pin
N.T.S.

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S0-103
TYPICAL DETAILS

sheet size 24"

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ECS, Florida LLC
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| Concrete Tension Lap Splice Lengths | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bar Size | $f'_c$ = 3000 PSI | | | | $f'_c$ = 4000 PSI | | | |
| | Top Bars | | Bottom Bars | | Top Bars | | Bottom Bars | |
| | A | B | A | B | A | B | A | B |
| #3 | 22" | 29" | 17" | 23" | 19" | 25" | 15" | 20" |
| #4 | 29" | 38" | 22" | 29" | 25" | 33" | 19" | 25" |
| #5 | 36" | 47" | 28" | 37" | 31" | 41" | 24" | 32" |
| #6 | 43" | 56" | 33" | 43" | 37" | 49" | 29" | 38" |
| #7 | 63" | 82" | 48" | 63" | 54" | 71" | 42" | 55" |
| #8 | 72" | 94" | 55" | 72" | 62" | 81" | 48" | 63" |
| #9 | 81" | 106" | 62" | 81" | 70" | 91" | 54" | 71" |
| #10 | 91" | 119" | 70" | 91" | 79" | 103" | 61" | 80" |
| #11 | 101" | 132" | 78" | 102" | 87" | 114" | 67" | 88" |
| #14 | 121" | 158" | 93" | 121" | 105" | 137" | 81" | 106" |

1. TABULATED TENSION LAP SPLICE LENGTHS ARE FOR NORMAL WEIGHT CONCRETE ONLY AND HAVE NOT BEEN FACTORED FOR EXPOXY-COATED BARS.
2. ALL LENGTHS ARE IN INCHES (IN).
3. TABULATED VALUES ARE CALCULATED PER ACI 318-14, CHAPTER 25.
4. WHEN LAP SPLICING BARS OF DIFFERENT SIZES, THE LAP LENGTH IS DETERMINED BY THE LARGER BAR.
5. TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" CONCRETE CAST BELOW REINFORCEMENT.
6. TABLE SHALL APPLY ONLY WHEN ACI 318 MINIMUM COVER IS PROVIDED AND THE CENTER-TO-CENTER SPACING IS ≥ 3db

**1** Tension Lap Splice Lengths by Concrete Compression Strength
3/4" = 1'-0"

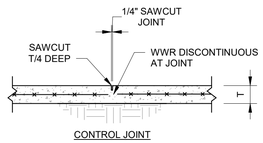
| Concrete Compressive Strengths | | |
|---|---|---|
| Structural Element | Exposure Class | Design Strength, $f'_c$ (PSI) |
| Foundations and Stem Walls | C1 | 3000 |
| Slab on Grade | C1 | 3000 |
| Concrete on Metal Deck | W0 | 3500 |
| Columns | W0 | 5000 |
| Walls | W0 | 5000 |
| Beams | W0 | 5000 |
| Elevated Slabs | W0 | 5000 |

1. NOTED EXPOSURE CLASSES ARE IN REFERENCE TO CHAPTER 19 OF ACI 318-14. MINIMUM AND MAXIMUM REQUIREMENTS BASED ON TABLE 19.3.2.1.
2. CONCRETE COMPRESSIVE STRENGTHS NOTED ARE MINIMUM REQUIREMENTS USED IN DESIGN.

**2** Concrete Compressive Strengths
3/4" = 1'-0"

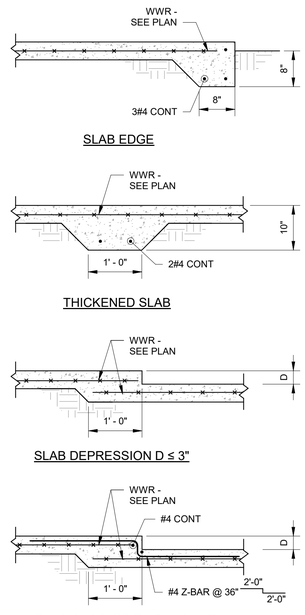
| Concrete Cover Requirements | | |
|---|---|---|
| Structural Element | Reinforcement | Cover (in) |
| Members Not Exposed to Weather or in Contact With Ground | | |
| Slabs | All | 3/4" |
| Joists | All | 3/4" |
| Walls | All | 3/4" |
| Beams | To Stirrups | 1 1/2" |
| Columns | To Stirrups | 1 1/2" |
| Members Exposed to Weather or in Contact With Ground | | |
| Slabs | #5 or Smaller | 1 1/2" |
| | #6 or Larger | 2" |
| Columns/Pedestals | #5 or Smaller | 1 1/2" |
| | #6 or Larger | 2" |
| Walls | #5 or Smaller | 1 1/2" |
| | #6 or Larger | 2" |
| Slab on Grade | WWR | 2" From Top |
| Foundations and Grade Beams | Bottom/Side | 3" |
| | Top | 2" |

**3** Concrete Cover Requirements
3/4" = 1'-0"




CONTROL/CONSTRUCTION JOINT NOTES:
1. CUT JOINTS AS SOON AS SLAB IS ABLE TO SUPPORT WEIGHT OF WORKERS AND EQUIPMENT. APPROXIMATELY 4 TO 8 HOURS AFTER CONCRETE PLACEMENT.
2. CLEAN JOINT PRIOR TO FILLING WITH SEMI-RIGID EPOXY
3. CUT JOINTS AROUND COLUMNS AS SHOWN IN COLUMN ISOLATION DETAIL.
4. FOR LAYOUT OF CONTROL JOINTS, SEE FOUNDATION AND FIRST FLOOR PLAN. IF NO CONTROL JOINTS ARE SHOWN ON PLAN, CONTACT ENGINEER OF RECORD.
5. SEE PLANS AND DETAILS FOR SLAB THICKNESS.
6. CONTRACTOR TO COORDINATE TILE JOINT LOCATIONS WITH CONTROL JOINTS.
7. SEE TYPICAL DETAILS FOR CONCRETE STRENGTH AND WELDED WIRE REINFORCEMENT REQUIREMENTS.

**4** Slab on Grade Control Joints
3/4" = 1'-0"




**5** Slab on Grade Details
3/4" = 1'-0"

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S0-104
TYPICAL DETAILS

sheet size 24"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

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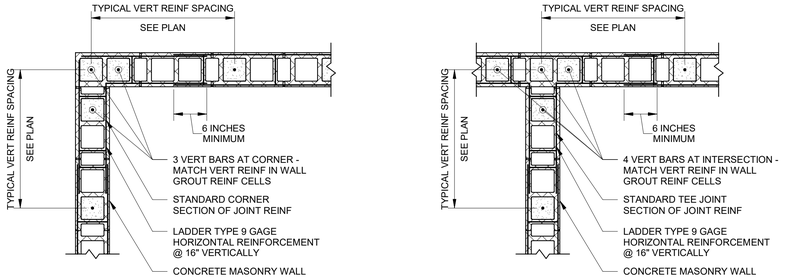
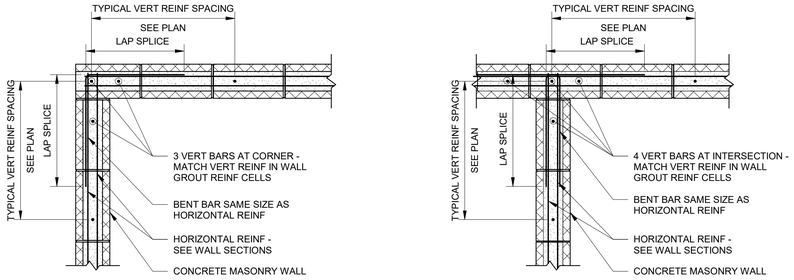
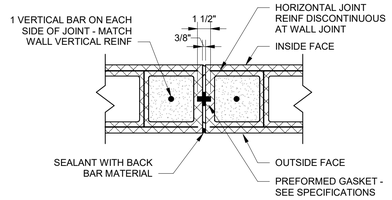



WALLS

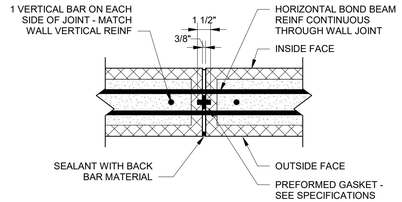



BOND BEAMS

**1** Plan View of Joint Reinforcement in Masonry Wall Joints
3/4" = 1'-0"



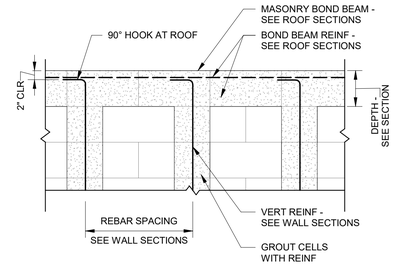

TYPICAL WALL



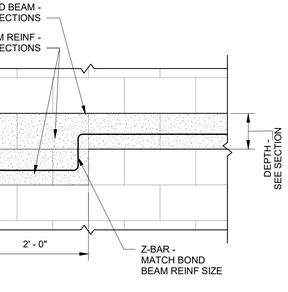

BOND BEAM

CONTROL JOINT NOTES:
1. DO NOT PLACE CONTROL JOINTS WITHIN 5 FEET OF WALL CORNER.
2. DO NOT PLACE CONTROL JOINTS WITHIN DOORS, WINDOWS, OR THEIR JAMBS.
3. SPACE CONTROL JOINTS AT A MAXIMUM OF 25FT.
4. COORDINATE CONTROL JOINT LOCATIONS WITH ARCHITECTURAL VENEER JOINT LOCATIONS. CONTACT STRUCTURAL ENGINEER OF RECORD IF ARCHITECTURAL CONTROL JOINTS ARE WITHIN AREAS NOTED ABOVE.

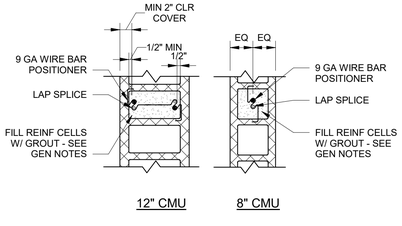
**2** Masonry Wall Control Joint
1 1/2" = 1'-0"




**3** Top of Wall Reinforcement Detail
3/4" = 1'-0"

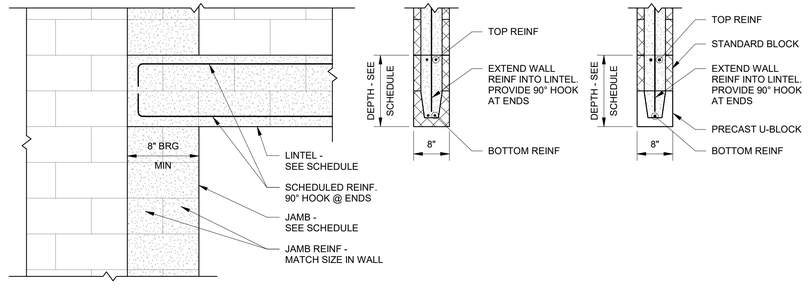



**4** Stepped Bond Beam Detail
3/4" = 1'-0"

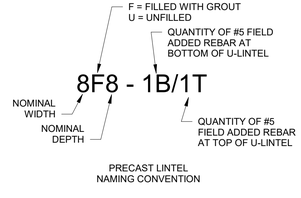



12" CMU 8" CMU

**5** Vertical Wall Reinforcement Location Details
1" = 1'-0"




| CMU Lintel Schedule | | | | | | Precast Lintel |
|---|---|---|---|---|---|---|
| Opening Width | Wall Thickness | Lintel Depth | Bottom Reinf | Top Reinf | Jamb | |
| 3'-0"-4'-0" | 8" | 8" | (1)#5 | --- | 1 Cell | 8F8-1B |
| 4'-0"-6'-1" | 8" | 16" | (1)#5 | (1)#5 | 2 Cells | 8F16-1B/1T |
| 6'-1"-8'-0" | 8" | 20" | (1)#5 | (2)#5 | 2 Cells | 8F20-1B/2T |
| 8'-1"-12'-0" | 8" | 24" | (2)#5 | (2)#5 | 2 Cells | 8F24-2B/2T |




PRECAST LINTEL NAMING CONVENTION

**6** Masonry Lintel Detail
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# S0-105
## TYPICAL DETAILS

sheet size 24"

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ECS, Florida LLC
41-5640-BLD4 7/20/2026

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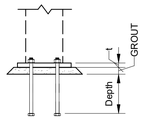
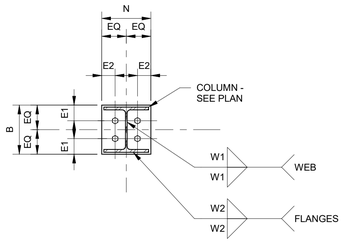
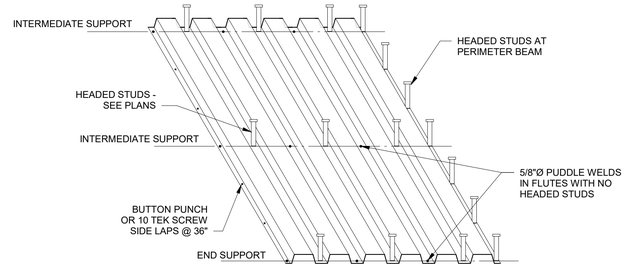


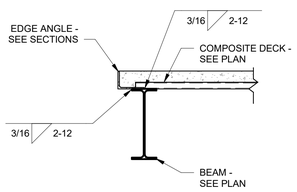

| Base Plate Schedule | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mark | Base Plate | | | | | Anchor Rods | | | Weld | | Grout |
| | N | B | E1 | E2 | t | # | Dia | Depth | W1 | W2 | |
| BP-1 | 8" | 8" | 2 1/2" | 2 1/2" | 3/4" | 4 | 3/4" | 12" | 1/4" | 1/4" | 1 1/2" |

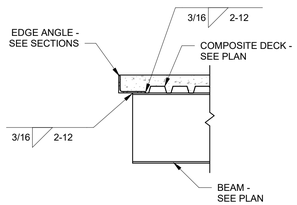


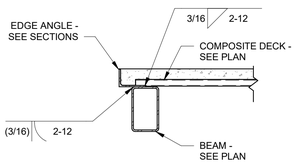

1 Base Plate Schedule and Details
3/4" = 1'-0"

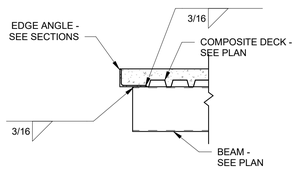



2 Composite Deck Attachment Detail
1" = 1'-0"

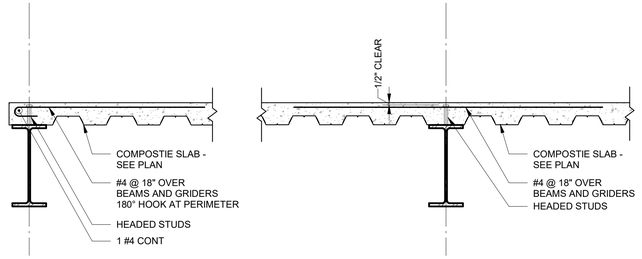


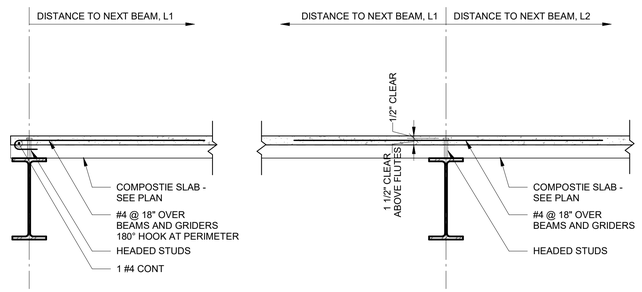



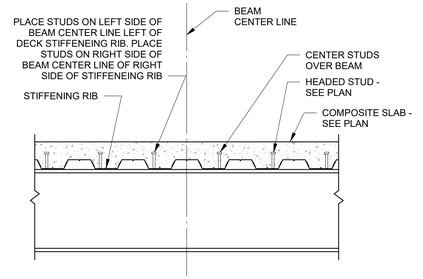




3 Composite Deck Edge Angle Attachment
3/4" = 1'-0"

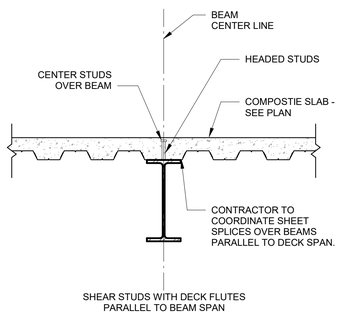



4 Composite Slab Reinforcement At Beams and Girders Detail
3/4" = 1'-0"




SHEAR STUDS WITH DECK FLUTES
PERPENDICULAR TO BEAM SPAN




SHEAR STUDS WITH DECK FLUTES
PARALLEL TO BEAM SPAN

5 Placement of Headed Shear Studs in Deck Flutes Detail
3/4" = 1'-0"

OLD MEMORIAL

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# S0-106
TYPICAL DETAILS

sheet size 24"

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With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

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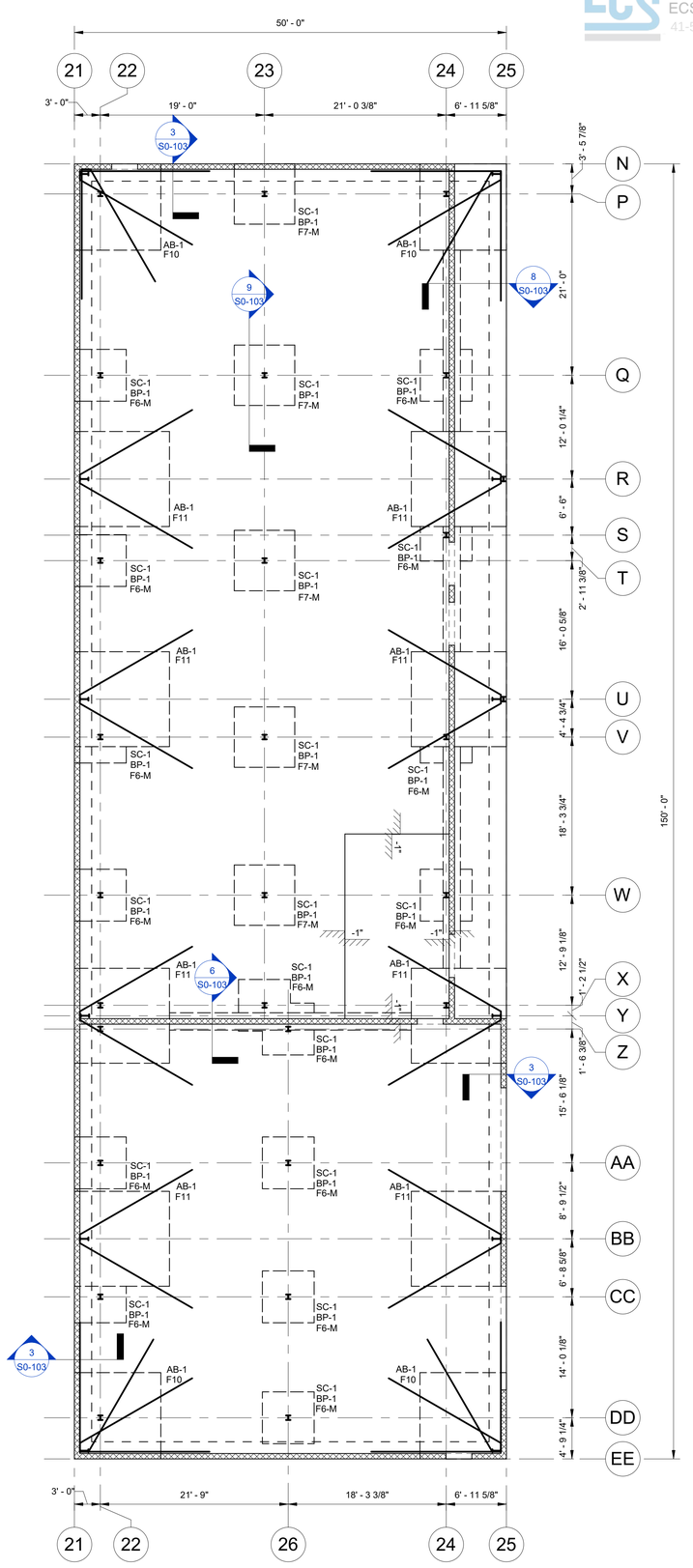
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026



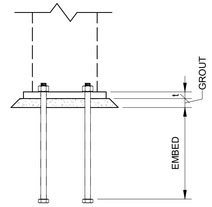

## 1 Building 4 - Foundation and First Floor Plan

1/8" = 1'-0"

1. FINISH FLOOR (SLAB ON GRADE) ELEVATION 0'-0", UNLESS NOTED ON PLAN.
2. FOUNDATIONS ARE POURED MONOLITHICALLY WITH SLAB ON GRADE.
3. SLAB ON GRADE: 4" THICK CONCRETE, REINFORCED WITH 6X6 W2.9/2.9 WWR. SEE GENERAL NOTES AND TYPICAL DETAILS.
4. SC-1 INDICATES W6X20 STEEL COLUMN.
5. BP-1 INDICATES STEEL BASEPLATE - SEE SCHEDULE ON SHEET S0-106.

**Structural Foundation Schedule - BLDG 4**

| Mark | Length | Width | Depth | Bottom Reinforcement | Top Reinforcement | Notes |
|---|---|---|---|---|---|---|
| F6-M | 6' - 0" | 6' - 0" | 1' - 2" | (7)#6 EW | (7)#6 EW | |
| F7-M | 7' - 0" | 7' - 0" | 1' - 2" | (8)#6 EW | (8)#6 EW | |
| F10 | 10' - 0" | 10' - 0" | 3' - 0" | (11)#7 BARS | (11)#7 BARS | |
| F11 | 11' - 0" | 11' - 0" | 3' - 0" | (12)#8 BARS | (12)#8 BARS | |




**Anchor Bolt Schedule**

| Mark | Anchor Rods | | |
|---|---|---|---|
| | # | Dia. | Embed |
| AB1 | 4 | 3/4" | 1' - 4" |

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4527 HUNTINGTON ST NE
ST. PETERSBURG, FL 33703 | 205.913.3482

PROJECT #: 26003

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# S4-101

## FOUNDATION PLAN

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| |
|---|
| Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
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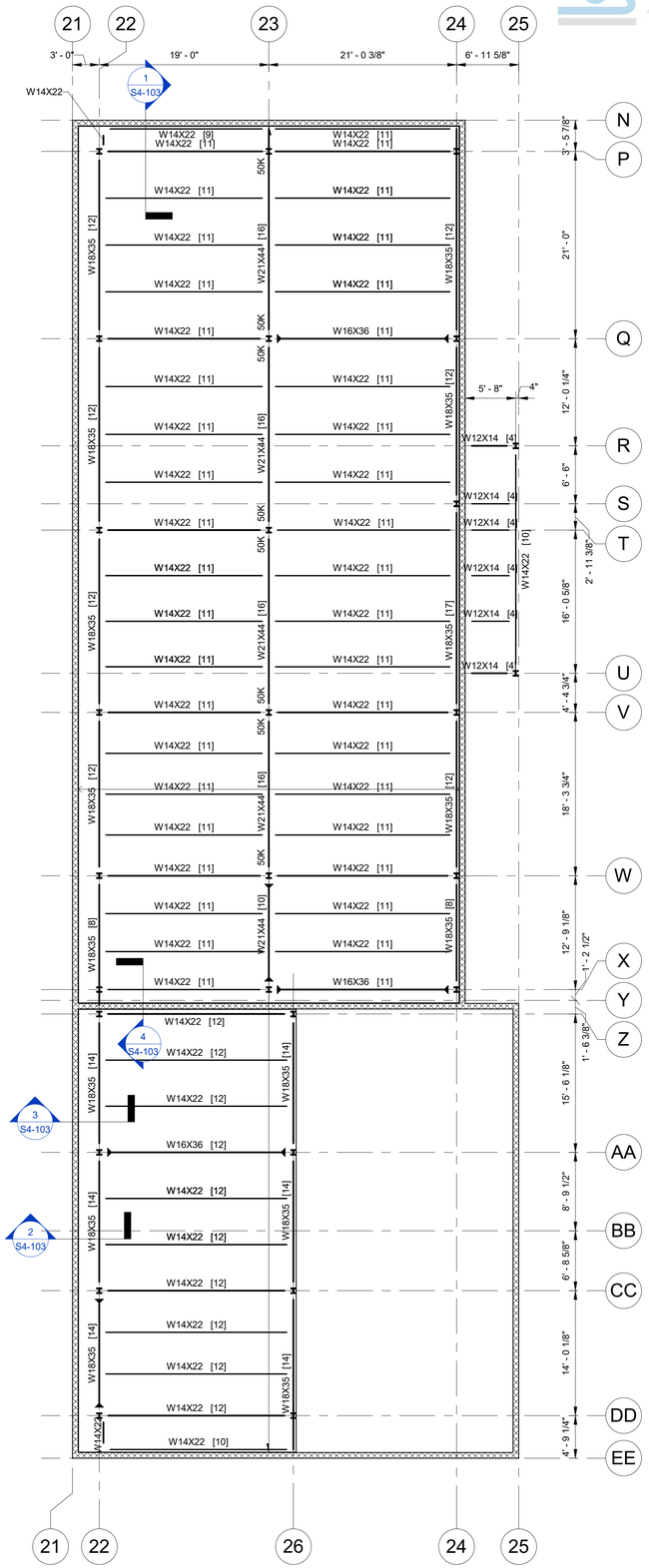
| Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Fire Review - Jay Traina - NA to Private Provider - 7/16/2026 |

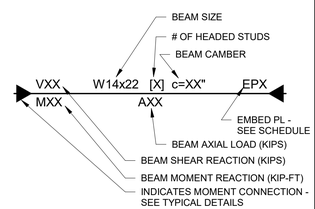



## 1 Building 4 - Second Floor Framing Plan

1/8" = 1'-0"

1. TOP OF SLAB ELEVATION: 12'-0" AFF, UNLESS NOTED.
2. TOP OF STEEL ELEVATION: 11'-6 1/2" AFF, UNLESS NOTED.
3. 3 1/2" THICK CONCRETE ON 2"VLI-36 STEEL DECK, 20 GAGE (5 1/2" TOTAL THICKNESS).
4. REINFORCE SLAB WITH 6X6 W2.9/W2.9 WWR. SUPPORT WWR TO MAINTAIN LOCATION IN CENTER OF TOPPING SLAB.
5. PROVIDE 3/4"Ø X 4" HEADED STUDS. SPACE STUDS UNIFORMLY ALONG THE LENGTH OF BEAM. SEE PLAN FOR NUMBER OF STUDS.
6. BEAMS WILL DEFLECT DURING PLACEMENT OF CONCRETE. CONTRACTOR TO PLACE ADDITIONAL CONCRETE DURING PLACEMENT TO PROVIDE A LEVEL SURFACE.
7. SEE GENERAL NOTES AND TYPICAL DETAILS FOR MATERIAL PROPERTIES AND DECK ATTACHMENT.

### STEEL BEAM LEGEND




NOTES:
1. REACTIONS NOTED ON PLAN ARE MAXIMUM LRFD FACTORED REACTIONS. SEE GENERAL NOTES AND TYPICAL DETAILS FOR CONNECTION DEISGN REQUIREMENTS.
2. NOTED REACTIONS ACT CONCURRENTLY.
3. NOTED MOMENT AND AXIAL REACTIONS ACT IN POSITIVE AND NEGATIVE DIRECTIONS.
4. IF NO REACTIONS ARE PROVIDED, CONNECTION ENGINEER TO DESIGN CONNECTIONS FOR LISTED MINIMUM REACTIONS:
   A. SHEAR: 25 KIPS
   B. MOMENT: 30 KIP-FT. IF NO MOMENT CONNECTION SYMBOL IS SHOWN, DO NOT DESIGN CONNECTION FOR MOMENT.
   C. AXIAL: IF NO AXIAL IS PROVIDED, DO NOT DESIGN CONNECTION FOR AXIAL LOAD.
5. FOR HEADED STUDS, SEE PLAN NOTES AND TYPICAL DETAILS.
6. IF NUMBER OF HEADED STUDS IS NOT PROVIDED, NONE ARE REQUIRED AND THE BEAM IS NON-COMPOSITE.
7. IF NO CAMBER IS LISTED, ORIENT NATRUAL BEAM CAMBER UPWARD.

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# S4-102

## MEZZANINE FRAMING PLAN

sheet size 24"

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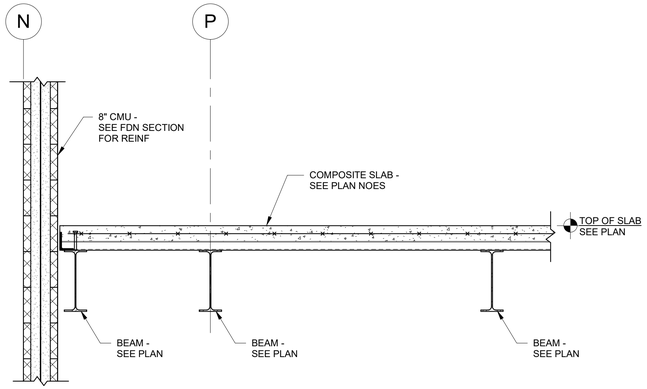
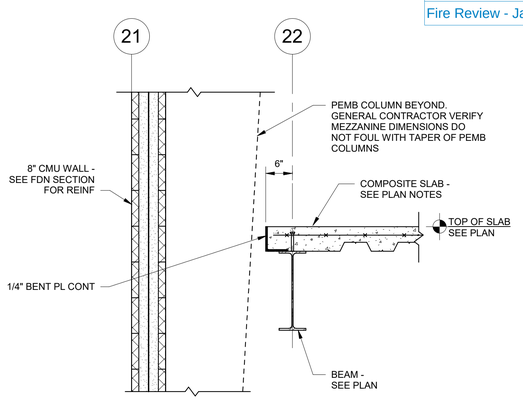
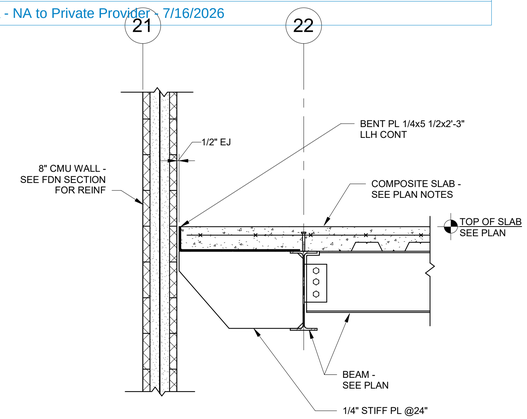



**1** Section
3/4" = 1'-0"




**2** Section
3/4" = 1'-0"




**3** Section
3/4" = 1'-0"




**4** Section
3/4" = 1'-0"

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# S4-103
## SECTIONS

sheet size 24"

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With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
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Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026

# ELECTRICAL SYMBOL LEGEND

## WIRING AND POWER

NOTE:
SYMBOLS SHOWN ARE FOR REFERENCE PURPOSES ONLY. ALL OF THESE SYMBOLS MAY NOT BE USED FOR THIS PROJECT.

- WALL OUTLET BOX AND SINGLE RECEPTACLE
- WALL OUTLET BOX AND DUPLEX RECEPTACLE
- TWO GANG WALL OUTLET BOX AND (2) DUPLEX RECEPTACLES
- WALL OUTLET BOX AND DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER
- WALL OUTLET BOX AND DUPLEX RECEPTACLE WITH TOP HALF SWITCHED
- WALL OUTLET BOX AND DUPLEX RECEPTACLE CONNECTED TO EMERGENCY SYSTEM
- CEILING OUTLET BOX AND SINGLE RECEPTACLE
- CEILING OUTLET BOX AND DUPLEX RECEPTACLE
- WALL OUTLET BOX AND GFCI DUPLEX RECEPTACLE
- WALL OUTLET BOX AND GFCI DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER
- WALL OUTLET BOX AND DUPLEX SAFETY RECEPTACLE (S)
- WALL OUTLET BOX AND DUPLEX TWIST-LOCK RECEPTACLE (T)
- WALL OUTLET BOX AND GFCI DUPLEX RECEPTACLE WITH WEATHERPROOF COVER (WP)
- WALL OULTET BOX AND SPECIAL PURPOSE OUTLET AS NOTED ON PLANS
- FLUSH FLOOR OUTLET BOX WITH DUPLEX RECEPTACLE
- FLUSH FLOOR OUTLET BOX WITH (2) DUPLEX RECEPTACLES
- FLUSH FLOOR OUTLET BOX WITH DUPLEX RECEPTACLE AND TELECOMMUNICATIONS OUTLET
- FLUSH WALL JUNCTION BOX AND BLANK PLATE
- JUNCTION BOX AND BLANK PLATE ABOVE CEILING
- SURFACE MOUNTED JUNCTION BOX AND BLANK PLATE
- SURFACE MOUNTED WEATHERPROOF JUNCTION BOX AND COVER (WP)
- FLUSH GRADE FIBER COMPOSITE PULL BOX AS NOTED (PB)
- MOTOR CONNECTION AS NOTED (M)
- FLUSH SHUNT-TRIP BUTTON, MOUNTED 80" TO TOP
- CONTROL AND/OR POWER EQUIPMENT CONNECTION (K)
- TIME CLOCK
- PHOTO CELL (PC)
- DISCONNECT SWITCH, SIZE AS NOTED
- 120/208V BRANCH CIRCUIT PANELBOARD, SURFACE MOUNTED
- 120/208V BRANCH CIRCUIT PANELBOARD, FLUSH MOUNTED
- 277/480V BRANCH CIRCUIT PANELBOARD
- TRANSFORMER (T)
- AUTOMATIC TRANSFER SWITCH
- BRANCH CIRCUIT HOMERUN WITH PANEL NAME AND CIRCUIT NUMBER, QUANTITY OF ARROWHEADS DENOTES QUANTITY OF BRANCH CIRCUITS (A-3)
- BRANCH CIRCUIT WIRING, PROVIDE QUANTITY OF CONDUCTORS REQUIRED FOR CIRCUITING AND SWITCHING INDICATED ON PLANS
- POWER LEG ONLY (NO SWITCH LEG BETWEEN ROOMS)
- CONDUIT CAPPED OFF
- CONDUIT CONTINUED
- CONDUIT RUN UP
- CONDUIT RUN DOWN
- GROUND OR GROUND ROD AS NOTED

# ELECTRICAL SYMBOL LEGEND

## LIGHTING AND SWITCHING

- CEILING MOUNTED LIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
- CEILING MOUNTED RECESSED DOWNLIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
- CEILING MOUNTED RECESSED WALLWASH FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
- CEILING MOUNTED "CLOSE TO CEILING" FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
- PENDANT MOUNTED LIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
- TRACK LIGHT FIXTURE WITH HEADS AS REQUIRED, REFER TO LIGHT FIXTURE SCHEDULE
- WALL MOUNTED LIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
- CEILING MOUNTED LIGHT FIXTURE WITH EMERGENCY BACKUP
- CEILING MOUNTED RECESSED DOWNLIGHT FIXTURE WITH EMERGENCY BACKUP
- WALL MOUNTED LIGHT FIXTURE WITH EMERGENCY BACKUP
- WALL MOUNTED EMERGENCY BATTERY LIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
- CEILING MOUNTED EMERGENCY BATTERY LIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
- CEILING MOUNTED EXIT SIGN WITH EMERGENCY BACKUP, REFER TO LIGHT FIXTURE SCHEDULE
- WALL MOUNTED EXIT SIGN WITH EMERGENCY BACKUP, REFER TO LIGHT FIXTURE SCHEDULE
- COMBINATION EXIT SIGN AND EMERGENCY LIGHT FIXTURE WITH BATTERY BACKUP
- $S_a$ WALL OUTLET BOX AND SINGLE POLE SWITCH ('a' INDICATES SWITCH LEG)
- $S_3$ WALL OUTLET BOX AND THREE-WAY SWITCH
- $S_F$ WALL OUTLET BOX AND FAN CONTROL SWITCH
- $S_D$ WALL OUTLET BOX AND DIMMER SWITCH AS REQUIRED FOR LOAD SERVED
- $S_{D3}$ WALL OUTLET BOX AND THREE-WAY DIMMER SWITCH
- $S_M$ WALL OUTLET BOX WITH SINGLE POLE MANUAL MOTOR STARTER SWITCH
- $S_D$ WALL OUTLET BOX AND DUAL TECHNOLOGY OCCUPANCY SENSOR
- (OS) CEILING OUTLET BOX AND DUAL TECHNOLOGY OCCUPANCY SENSOR
- (DL) CEILING OUTLET BOX AND DAYLIGHT HARVESTING SENSOR

# FIRE ALARM SYSTEM LEGEND

- [F] MANUAL PULL STATION
- cd WALL MOUNTED HORN WITH STROBE (cd=CANDELA RATING)
- WP WALL MOUNTED HORN WITH STROBE IN WEATHERPROOF ENCLOSURE
- CEILING MOUNTED HORN WITH STROBE
- M WALL MOUNTED MINI HORN
- M WALL MOUNTED MINI HORN WITH STROBE
- WALL MOUNTED VOICE EVACUATION SPEAKER WITH STROBE
- CEILING MOUNTED VOICE EVACUATION SPEAKER WITH STROBE
- WALL MOUNTED STROBE
- SMOKE DETECTOR
- CO SMOKE AND CARBON MONOXIDE DETECTOR
- DUCT MOUNTED SMOKE DETECTOR
- HEAT DETECTOR
- REMOTE DUCT DETECTOR INDICATOR LIGHT AND TEST SWITCH (NUMBER INDICATES QUANTITY)
- [R] FAN SHUT-DOWN RELAY
- [D] ELECTROMAGNETIC DOOR RELEASE DEVICE
- SMOKE DAMPER (PROVIDE BY MECHANICAL, CONNECTED BY ELECTRICAL)
- [P] FIREMAN'S PHONE JACK
- [TS] SPRINKLER SYSTEM SUPERVISORY SWITCH CONNECTION
- [FS] SPRINKLER SYSTEM FLOW SWITCH CONNECTION
- [CM] CONTROL MODULE
- [MM] MONITOR MODULE
- [LB] LOCK BOX
- FACP FIRE ALARM CONTROL PANEL
- FATC FIRE ALARM TERMINAL CABINET
- FAAP FIRE ALARM ANNUNCIATOR PANEL
- DACT DIGITAL ALARM COMMUNICATOR TRANSMITTER

# TELECOMMUNICATION SYSTEM LEGEND

- COMBINATION TELECOMMUNICATIONS/DATA WALL OUTLET BOX AND BLANK PLATE WITH MIN. 3/4"C. TO ACCESSIBLE CEILING SPACE. COORDINATE OUTLET REQUIREMENTS WITH OWNER.
- W TELECOMMUNICATIONS WALL OUTLET BOX AND BLANK PLATE FOR WALL MOUNTED TELEPHONE WITH MIN. 3/4"C. TO ACCESSIBLE CEILING SPACE. COORDINATE OUTLET REQUIREMENTS WITH OWNER.
- DATA WALL OUTLET BOX AND BLANK PLATE WITH MIN. 3/4"C. TO ACCESSIBLE CEILING SPACE. COORDINATE OUTLET REQUIREMENTS WITH OWNER.
- FLUSH FLOOR OUTLET BOX WITH POWER DEVICE AND TELECOMMUNICATIONS OUTLET WITH MIN. 3/4"C. TO ACCESSIBLE CEILING SPACE.
- WAP CEILING OUTLET BOX AND BLANK PLATE WITH MIN. 3/4"C. TO TTB FOR WIRELESS ACCESS POINT. COORDINATE OUTLET REQUIREMENTS WITH OWNER.
- TV COMBINATION TELECOMMUNICATIONS/TELVISION WALL OUTLET BOX AND BLANK PLATE. COORDINATE OUTLET AND CABLING REQUIREMENTS WITH OWNER.
- 3/4" PLYWOOD TELEPHONE TERMINAL BOARD, SIZE AS SHOWN ON PLANS.
- TTC TELEPHONE TERMINAL CABINET, SIZE AS NOTED ON PLAN.

# GENERAL NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70), AND THE LATEST ADOPTED EDITION OF THE FLORIDA BUILDING CODE.
2. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND COORDINATE WITH ALL EQUIPMENT MANUFACTURER/INSTALLERS PRIOR TO BIDDING.
3. ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE LABEL LISTED BY AN APPROVED THIRD-PARTY TESTING AGENCY.

   BUILDING:
4. INSTALLATION HEIGHT OF EQUIPMENT (TO CENTERLINE) ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE SHALL BE:

   RECEPTACLE = 18"
   CLOCK = 7'-6"
   SWITCH = 44"
   MODULAR JACK FOR WALL MOUNTED TELEPHONE = 48"
   MODULAR TELEPHONE JACK = 18"
   TELEVISION OUTLET = 84"
   COMPUTER OUTLET = 18"
   CALL SWITCH = 44"
   REMOTE TEST STATION FOR DUCT DETECTOR = 52"
   C = ABOVE COUNTER BACKSPLASH, COORDINATE WITH ARCHITECTURAL ELEVATIONS AND MILLWORK.
5. ALL CONDUIT AND WIRING SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS UNLESS NOTED OTHERWISE OR APPROVED BY THE ARCHITECT/ENGINEER. ALL DEVICE OUTLET BOXES SHALL BE RECESSED UNLESS NOTED OTHERWISE OR APPROVED BY THE ARCHITECT/ENGINEER. WHERE APPROVED OR NOTED SURFACE METAL RACEWAY AND DEVICE BOXES SHALL BE USED IN LIEU OF CONDUIT AND CONCEALED BOXES AT NO EXTRA COST TO THE OWNER.
6. ALL CONDUIT ROUTING SHOWN IS APPROXIMATE ONLY. CONTRACTOR SHALL FIELD VERIFY FINAL ROUTE WITH ALL OTHER TRADES AND CONDITIONS IN FIELD PRIOR TO ROUGH-IN.
7. CONDUIT RUNS SHOWN ARE SCHEMATIC AND DO NOT INDICATE THE NECESSARY FITTINGS AND JUNCTION BOXES THAT ARE INCLUDED IN THE SCOPE OF THE WORK.
8. CONTRACTOR SHALL PERMANENTLY IDENTIFY ALL WIRING WITH THE SOURCE AND CIRCUIT AT ALL ELECTRICAL EQUIPMENT, PULL AND JUNCTION BOXES AND ELECTRICAL TERMINATIONS PROVIDED OR ASSOCIATED WITH THIS CONSTRUCTION.
9. COORDINATE EXACT LOCATION OF LIGHTING FIXTURES IN MECH. ROOMS/SPACES WITH DUCTWORK INSTALLER PRIOR TO ROUGH-IN. LOCATE BELOW DUCTWORK(8'-0" AFF MINIMUM) CENTERED IN ROOM AS MUCH AS POSSIBLE.
10. COORDINATE EXACT INSTALLATION REQUIREMENTS OF OUTLETS IN MILLWORK WITH ARCHITECTURAL DRAWINGS, APPROVED SHOP DRAWINGS AND MILLWORK INSTALLER PRIOR TO ROUGH-IN.
11. VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL INSTALLER PRIOR TO ROUGH-IN.
12. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL LIGHT FIXTURES
13. PROVIDE NYLON PULLSTRINGS IN ALL EMPTY CONDUITS.
14. COORDINATE THE EXACT LOCATION OF ALL ELECTRICAL EQUIPMENT LOCATED IN ELEVATOR MACHINE ROOMS, SHAFTS AND PITS. LOCATE EQUIPMENT AS REQUIRED TO MEET APPLICABLE CODES.PROVIDE AUTOMATIC DISCONNECTION OF THE ELEVATOR MAIN POWER SUPPLY (PER ANSI A17.1, RULE 102.2 1987 ED.) PRIOR TO ACTIVATION OF AUTOMATIC SPRINKLER LOCATED WITHIN THE ELEVATOR MACHINE ROOM, PIT OR SHAFT. COORDINATE WITH FIRE PROTECTION AND FIRE ALARM INSTALLER.
15. COORDINATE THE REQUIRED SIZE OF ALL CIRCUIT BREAKERS FEEDING EQUIPMENT, (I.E. MOTORS, HVAC, KITCHEN EQUIPMENT, SPECIAL PURPOSE OUTLETS, ELEVATORS, OWNER FURNISHED EQUIPMENT ETC. ) WITH APPROVED EQUIPMENT SHOP DRAWINGS AND OWNER REPRESENTATIVES PRIOR TO ORDERING PANELBOARDS. BREAKERS SHALL BE SIZED PER THE NEC, THE EQUIPMENT NAME PLATE AND MANUFACTURERS RECOMMENDATIONS.
16. ALL DIMMED CIRCUITS SHALL BE PROVIDED WITH DEDICATED NEUTRALS FOR EACH DIMMER AND PHASE CONDUCTOR THROUGHOUT THE ENTIRE CIRCUIT.
17. THE POWER COMPANY SHALL BE CONTACTED WITHIN 10 DAYS OF THE AWARD OF THE CONTRACT BY THE CONTRACTOR TO VERIFY THE ACTUAL AVAILABLE SHORT CIRCUIT FAULT CURRENT (AIC) AT THE TRANSFORMER SECONDARY BUSHINGS. THE CONTRACTOR SHALL PROVIDE ELECTRICAL DISTRIBUTION AND UTILIZATION EQUIPMENT AND PANELBOARDS WHICH HAVE AIC/WITHSTAND RATINGS GREATER THAN THE AVAILABLE AIC AT EACH POINT IN THE ELECTRICAL SYSTEM.
18. CONTRACTOR SHALL INCLUDE IN HIS BID THE TRANSPORT AND DISPOSAL OR RECYCLING OF ALL WASTE MATERIALS GENERATED BY THIS PROJECT IN ACCORDANCE WITH ALL RULES, REGULATIONS AND GUIDELINES APPLICABLE.
19. PANEL SCHEDULES INDICATE CIRCUIT DESIGNATIONS ONLY. CONTRACTOR TO PROVIDE MATERIALS AS REQUIRED WHEN NEUTRALS ARE SHARED TO COMPLY WITH NEC REQUIREMENTS. ALL SINGLE PHASE MULTIWIRE BRANCH CIRCUITS SHALL BE FED VIA A TWO POLE BREAKER OR TWO SINGLE POLE BREAKERS WITH AN IDENTIFIED HANDLE TIE. ALL THREE PHASE MULTIWIRE BRANCH CIRCUITS SHALL BE FED VIA A THREE POLE BREAKER OR THREE SINGLE POLE BREAKERS WITH AN IDENTIFIED HANDLE TIE (PER NEC 210.4B).
20. PER NEC 110.22; PROVIDE PERMANENT LABELING FOR ALL SERIES RATED PANEL ENCLOSURES TO READ AS FOLLOWS: CAUTION - SERIES COMBINATION SYSTEM RATED _____ AMPERES. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED.

    GROUNDING:
21. ALL METAL RACEWAYS, INCLUDING CONDUIT, WIRE TROUGHS, WIREMOLD, ETC., SHALL BE GROUNDED. ALL CONNECTIONS IN METAL RACEWAYS SHALL BE COMPLETED IN SUCH A MANNER AS TO MAINTAIN A CONTINUOUS PATH TO GROUND THROUGHOUT THE ENTIRE LENGTH OF THE RACEWAY.

    WIRING:
22. UNLESS NOTED OTHERWISE ON THE DRAWINGS OR ON THE EQUIPMENT WIRING SCHEDULE, EACH BRANCH CIRCUIT HOME RUN SHALL BE THREE (3) #12 AWG THHN/THWN (1 HOT, 1 NEUTRAL & 1 EQUIPMENT GROUND) IN 3/4" EMT CONDUIT. PROTECT EACH CIRCUIT WITH A 20 AMPERE, 1-POLE OVERCURRENT DEVICE UNLESS NOTED OTHERWISE. COMBINED NEUTRALS ARE NOT PERMITTED.
23. THE USE OF 'NM' CABLE FOR BRANCH CIRCUIT WIRING IS ACCEPTABLE WHERE ALLOWED BY THE NEC AND AUTHORITY HAVING JURISDICTION.

    BDA SYSTEM:
24. ALL BUILDINGS WITHIN THIS PROJECT SHALL HAVE AN APPROVED THIRD-PARTY PROVIDE A SPECTRUM ANALYSIS GRID TEST OF THE BUILDINGS AND PROVIDE A COPY OF THE ANALYSIS OF THE RADIO SIGNAL STRENGTH AND RECOMMENDATIONS FOR THE REQUIREMENT OF A DAS/BDA SYSTEM (WHETHER NECESSARY TO INSTALL) TO THE G.C. AND AHJ. IF REQUIRED TO BE ADDED, BASED ON TESTING, DESIGN WILL BE PROVIDED BY OTHERS (DAS/BDA CONTRACTOR) UNDER A SEPARATE PERMIT AND IN CONFORMANCE TO THE FFPC, FAC AND NFPA. FINAL TESTING WILL BE REQUIRED AT COMPLETION OF THE BUILDING CONSTRUCTION PRIOR TO OBTAINING THE CERTIFICATE OF OCCUPANCY. THE SIGNAL STRENGTH SHALL MEET THE REQUIREMENTS OF THE FLORIDA FIRE PREVENTION CODE 6TH EDITION; NFPA 1 11.10; NFPA 72-2016 EDITION 24.5.2.2, 24.5.2.3; AND MUST BE TESTED IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN NFPA 72-2016 EDITION 14.4.10 (1-6) AND A14.4.10 (1-3).

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ELECTRICAL
SYMBOLS LEGEND

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
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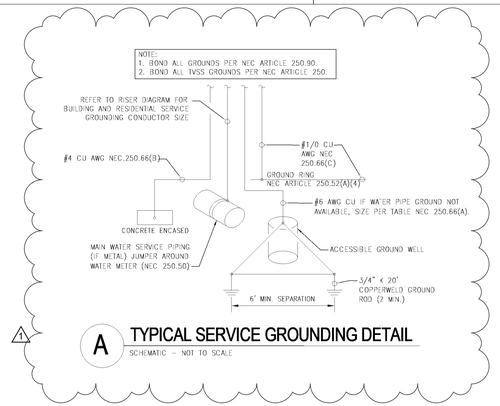
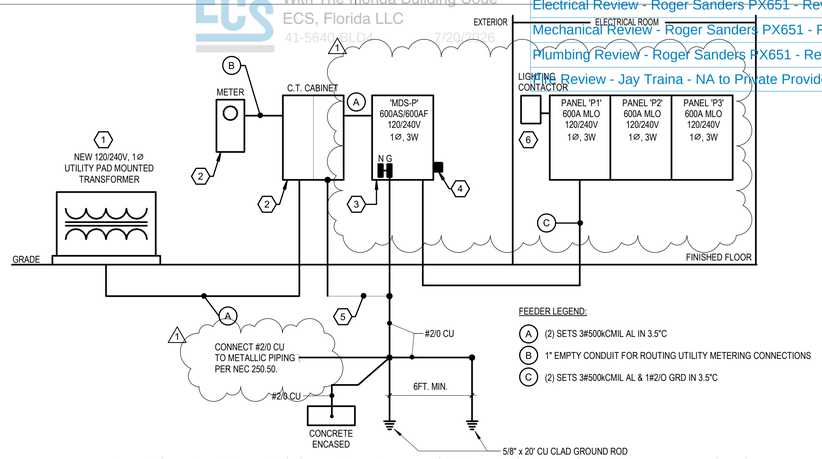
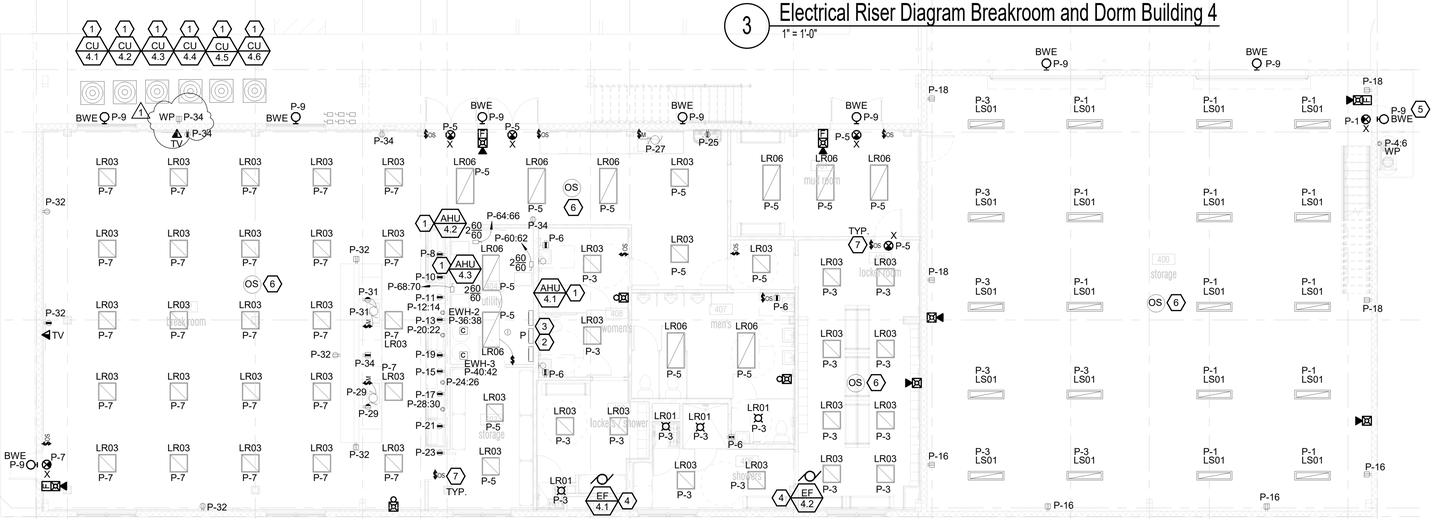


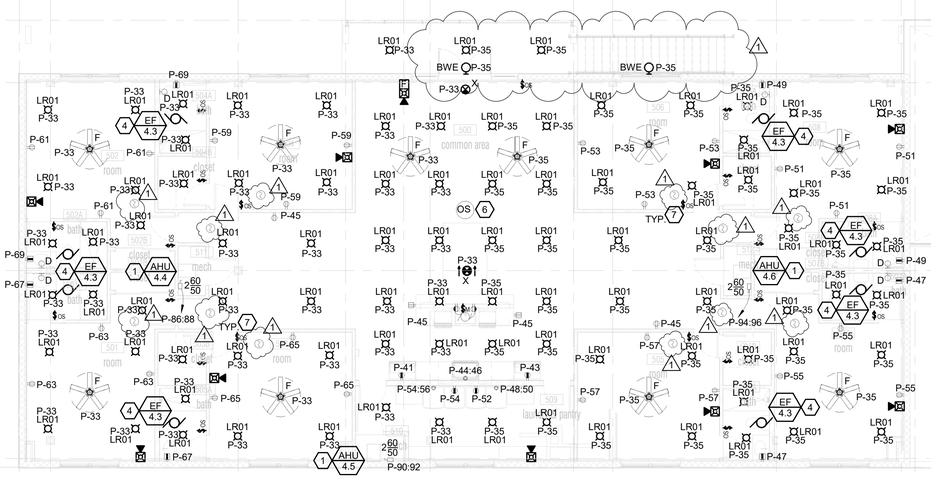

A TYPICAL SERVICE GROUNDING DETAIL
SCHEMATIC – NOT TO SCALE




3 Electrical Riser Diagram Breakroom and Dorm Building 4
1" = 1'-0"




1 BREAKROOM AND DORMS LEVEL 1 FLOOR PLAN - ELECTRICAL
1/8" = 1'-0"




2 BREAKROOM AND DORMS LEVEL 2 FLOOR PLAN - ELECTRICAL
1/8" = 1'-0"

# GENERAL NOTES:

A. DO NOT SCALE ELECTRICAL DRAWING FOR ANY DIMENSIONS.

B. ALL WORK SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, STATE, AND LOCAL CODES. PROVIDE GROUNDING AND BONDING PER NEC 250.

C. SEE SINGLE LINE DIAGRAM FOR FEEDER WIRE AND CONDUIT SIZE. ALL CIRCUITS NOT SIZED ON DRAWING SHALL BE INSTALLED TO MEET MINIMUM SIZE REQUIRED BY NEC. ALL CONDUCTORS SHALL HAVE AN EQUIPMENT GROUND WIRE SIZED PER NEC.

D. FIELD VERIFY EXACT LOCATION OF ALL DEVICES AND EQUIPMENT PRIOR TO ROUGH IN.

E. REFER TO ENLARGED TYPICAL UNIT PLANS FOR ALL ELECTRICAL IN UNITS.

# REFERENCE NOTES:

1. UTILITY COMPANY PAD MOUNTED TRANSFORMER; 120/240V 1Ø, 3W SECONDARY. ELECTRICAL CONTRACTOR SHALL VERIFY EXACT LOCATION WITH LOCAL UTILITY COMPANY PRIOR TO ROUGH-IN.
2. COORDINATE EXACT LOCATION OF ALL SERVICE DISTRIBUTION EQUIPMENT WITH LOCAL ELECTRIC UTILITY COMPANY AND ARCHITECTURAL ELEVATIONS AND PLANS. MAINTAIN 3'-0" CLEARANCE IN FRONT OF ALL ELECTRICAL SERVICE EQUIPMENT. A MAXIMUM OF 6'-6" SHALL BE MAINTAINED FROM GRADE TO THE CENTER OF THE HIGHEST DISCONNECT.
3. PROVIDE NEUTRAL TO GROUND BONDING IN COMPLIANCE WITH NEC ARTICLE 250.
4. PROVIDE EXTERNAL SURGE PROTECTION DEVICE, NEMA 3R RATED ENCLOSURE AT MAIN DISCONNECT SWITCH (MDS) OF SAME MANUFACTURER AS ELECTRICAL SERVICE EQUIPMENT, DISCONNECT PANEL BOARD, ETC.
5. PER NEC 250.122 BOND #2/O COPPER CLAD ALUMINUM EQUIPMENT GROUND CONDUCTOR (EGC) TO MAIN DISCONNECT GROUNDING ELECTRODE CONDUCTOR (GEC) PER NEC 250.66.
6. ROUTE ALL LIGHTING CIRCUITS THRU CONTACTOR, TIMECLOCK AND PHOTOCELL, FOR AUTOMATIC CONTROL OF ALL LIGHTING FIXTURES. INTERIOR LIGHTING CONTROLLED BY OCCUPANCY SENSOR WITH TIMECLOCK OVERRIDE, EXTERIOR BY TIMECLOCK WITH PHOTOCELL OVERRIDE. REFER TO DETAIL ON SHEET E7.01.
7. ELECTRICAL CONTRACTOR SHALL COORDINATE DISCONNECT AND FUSE REQUIREMENTS FOR MECHANICAL UNIT WITH MECHANICAL CONTRACTOR AND EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN AND PROVIDE AS REQUIRED. CONNECT CONDENSING UNIT TO CORRESPONDING UNIT PANEL, REFER TO TYPICAL UNIT PLANS AND SCHEDULES FOR CIRCUITING AND SIZING INFORMATION. COORDINATE LOCATION OF DISCONNECT WITH OWNER AND MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. LOCATE AS REQUIRED TO MAINTAIN NEC CLEARANCES.
8. CONNECT FRACTIONAL HORSEPOWER EXHAUST FAN TO LOCAL LIGHTING CIRCUIT. FAN SHALL BE CONTROLLED BY INDIVIDUAL SWITCH. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION. CLEARANCES.
9. PROVIDE CEILING MOUNTED OCCUPANCY SENSOR FOR AUTOMATIC CONTROL OF ROOM LIGHTING. SENSOR SHALL OVERRIDE WALL CONTROL AND "TURN OFF" ROOM LIGHTS IF ROOM UNOCCUPIED FOR MORE THAN 30 MINUTES. PROVIDE ADDITIONAL SENSORS, RELAY PACKS, CONTROL WIRING, ETC. AS REQUIRED FOR COMPLETE COVERAGE OF ROOM AND CIRCUITS/SWITCH LEGS SHOWN. CONTROLS SHALL BE "MANUAL ON/AUTOMATIC OFF" WITH THE EXCEPTION OF RESTROOMS, PUBLIC CORRIDORS, AND LOBBIES. THESE AREAS SHALL BE FULLY AUTOMATIC ON/AUTOMATIC OFF" IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING CODE 8TH EDITION.
10. PROVIDE WALL MOUNTED, DUAL TECHNOLOGY, LOW VOLTAGE VACANCY SENSOR, WATTSTOPPER #DW-100-24 (OR APPROVED SUBSTITUTION) FOR AUTOMATIC CONTROL OF LIGHTING. CONNECT LIGHTING IN SPACE AS SHOWN ON PLANS VIA WATTSTOPPER LIGHTING POWER PACK #BZ-200 (OR APPROVED SUBSTITUTION). PROVIDE ALL ADDITIONAL POWER PACKS, RELAYS, SENSORS AS REQUIRED FOR COMPLETE COVERAGE OF SPACE AND SWITCHING AS SHOWN ON PLANS. INSTALLATION SHALL COMPLY WITH FLORIDA ENERGY CONSERVATION CODE 2023 8TH EDITION SECTION C405.6.1.

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| no. | description | date |
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| | PERMIT SET | 04.24.26 |
| 1 | PERMIT COMMENTS | 06.19.26 |
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E1.04.1
BUILDING 4 FLOOR PLAN - ELECTRICAL

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

| |
|---|
| Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
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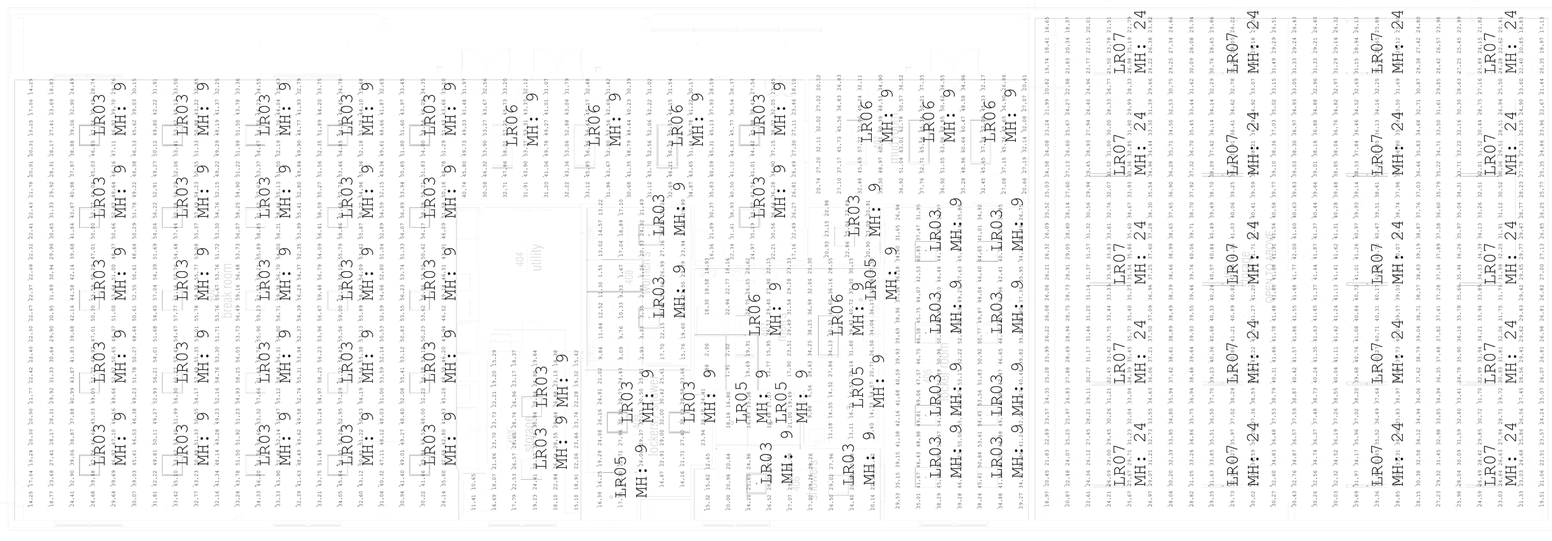


Calculation Summary

| Label | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min |
|---|---|---|---|---|---|---|---|
| BREAK ROOM 402_Workplane | Illuminance | Fc | 45.23 | 62.53 | 14.25 | 3.17 | 4.39 |
| LOCKER ROOM 405_Floor | Illuminance | Fc | 43.61 | 55.92 | 26.75 | 1.63 | 2.09 |
| LOCKERS 409_Floor | Illuminance | Fc | 24.63 | 32.11 | 16.16 | 1.52 | 1.99 |
| MENS 407_Floor | Illuminance | Fc | 23.54 | 40.72 | 1.88 | 12.52 | 21.66 |
| MUD ROOM 401_Workplane | Illuminance | Fc | 42.24 | 65.56 | 20.52 | 2.06 | 3.19 |
| SHOWER 406_Floor | Illuminance | Fc | 22.85 | 29.26 | 12.65 | 1.81 | 2.31 |
| STORAGE 400_Floor | Illuminance | Fc | 32.74 | 42.00 | 16.65 | 1.97 | 2.52 |
| STORAGE 403_Floor | Illuminance | Fc | 22.25 | 30.84 | 10.65 | 2.09 | 2.90 |
| VESTIBULE_Floor | Illuminance | Fc | 22.31 | 25.04 | 20.90 | 1.07 | 1.20 |
| WOMENS 408_Floor | Illuminance | Fc | 15.70 | 27.36 | 1.26 | 12.46 | 21.71 |

Luminaire Schedule

| Symbol | Qty | Label | Arrangement | Description | Tag | LLF | Luminaire Lumens | Total Watts | Mounting Height |
|---|---|---|---|---|---|---|---|---|---|
| | 44 | LR03 | Single | LITHONIA CPX 2X2 3200LM 80CRI 40K SWL | | 0.910 | 3735 | 1324.4 | 9 |
| | 5 | LR05 | Single | LUMENWERX LV3_5RR-SW-60DEG-35K-10W | | 0.910 | 1172 | 50 | 9 |
| | 8 | LR06 | Single | LITHONIA CPX 2X4 5000LM 80CRI 40K SWL | | 0.910 | 5194 | 320 | 9 |
| | 20 | LR07 | Single | LITHONIA CLX L48 10000LM SEF FDL 40K 80CRI WG | | 0.910 | 9501 | 1413.4 | 24 |

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# E1.04.2

BUILDING 4 FLOOR PLAN - ELECTRICAL LIGHTING PHOTOMETRY

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC

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61G15-32.008 DESIGN OF FIRE ALARM AND DETECTION SYSTEM COMPLIANCE NOTES FOR APARTMENTS AND CLUBHOUSE:

APPLICABLE CODES:
FBC FLORIDA BUILDING CODE (2023) 8TH EDITION
FFPC FLORIDA FIRE PREVENTION CODE (2023) 8TH EDITION
NFPA 1 FIRE CODE (2021) FLORIDA EDITION
NFPA 101 LIFE SAFETY CODE (2021) FLORIDA EDITION
NFPA 70 NATIONAL ELECTRICAL CODE (2020)
NFPA 72 NATIONAL FIRE ALARM & SIGNALING CODE (2019)
AHJ - HILLSBOROUGH COUNTY, FLORIDA - LOCAL CODES & AMENDMENTS

(4) ENSURE MINIMUM DESIGN QUALITY OF FIRE ALARM SYSTEM AS FOLLOWS

A. DESIGN INTENT

1. SYSTEM TYPE: MASTER FIRE ALARM CONTROL PANEL LOCATED IN CLUBHOUSE SHALL BE AN ADDRESSABLE PANEL BY EDWARDS, HONEYWELL, NOTIFIER, SILENT KNIGHT, OR APPROVED EQUIVALENT. SUB-PANEL FACP'S IN EACH APARTMENT BUILDING SHALL BE ADDRESSABLE TYPES.
2. SEE SYMBOL LEGEND ON THIS SHEET.
3. SEE FIRE ALARM RISER DIAGRAM(S) THIS SHEET.
4. CABLING REQUIREMENTS:
   a. WIRING METHOD: THE SYSTEM WILL BE FREE WIRED USING APPROPRIATE STRAPS, TIES, FITTINGS, ETC. TO PREVENT DAMAGE TO THE WIRING.
   b. INITIATION CIRCUITS (LOOP): INITIATION LOOP CONDUCTORS SHALL BE WEST PENN #D991 FOR 3000'0" IN LENGTH AND LESS. WEST PENN #D995 SHALL BE USED FOR CIRCUITS OVER 3000'0" IN LENGTH. BELOW GRADE, WET OR DAMP LOCATION INSTALLED CABLE, INCLUDING CABLE INSTALLED ON THE TOP OF EXTERIOR WALKWAYS, SHALL BE WEST PENN AQUASEAL MULTI-CONDUCTOR (14 GAUGE), UNLESS NOTED OTHERWISE, SHALL BE INSTALLED IN CONDUIT.
   c. SIGNAL CIRCUITS: SIGNAL CIRCUITS SHALL BE #14 AWG THWN 19 STRAND COPPER (USE #12 AWG IF VOLTAGE DROP EXCEEDS MANUFACTURER'S SPECIFICATIONS).
   d. ANNUNCIATOR CIRCUITS: #14 AWG THWN 19 STRAND COPPER (USE #12 AWG IF VOLTAGE DROP EXCEEDS MANUFACTURER'S SPECIFICATIONS).
   e. EACH AND EVERY WIRE SHALL BE LABELED AT EACH END WITH SLC #, CHANNEL # OR SIGNAL #. EACH SEPARATE CIRCUIT, INITIATION, SIGNAL AND AUXILIARY SHALL HAVE A SPECIFIC NUMBER. LABEL EACH CONDUCTOR BY THIS CIRCUIT NUMBER AT THE CONTROL CONNECTIONS AND AT EACH TERMINAL CONNECTION IN THE TERMINAL CABINETS.
5. FIRE RATINGS REQUIRED FOR SURVIVABILITY: UNLESS NOTED OTHERWISE, PATHWAY SURVIVABILITY SHALL BE LEVEL 0 OR 1.

B. DEVICE LOCATIONS AND RELATED SYSTEMS

1. ALL INITIATION AND NOTIFICATION DEVICES ARE SHOWN ON ELECTRICAL POWER AND SYSTEMS PLANS WITHIN THIS ELECTRICAL DRAWING SET.
2. CONNECTIONS TO OTHER SYSTEMS: PROVIDE RELAYS FOR OTHER LOCAL CONTROL SUCH AS HVAC SHUTDOWN AND FIRE/SMOKE DAMPER RELEASE. RELAYS SHALL BE 10 AMP RATED RELAYS. UPON ACTIVATION OF THE FIRE ALARM SYSTEM, THE RELAY SHALL ACTIVATE AND SHUTDOWN THE CONTROLLED EQUIPMENT. LOCATE ALL RELAYS WITHIN 36" OF EQUIPMENT CONTROLLED. PROVIDE WEATHERPROOF UNITS WHERE INDICATED OR INSTALL IN WEATHERPROOF BOXES.

C. STROBE INTENSITY AND SPEAKER OUTPUT RATINGS

1. PER NFPA 72 SECTION 18.4.3 AUDIBLE SIGNALS SHALL BE AT LEAST 15dB ABOVE AVERAGE AMBIENT SOUND LEVEL OR 5dB ABOVE MAXIMUM SOUND LEVEL, WHICHEVER IS GREATER.
2. AUDIBLE APPLIANCES FOR SLEEPING AREAS SHALL PRODUCE A LOW FREQUENCY ALARM SIGNAL THAT COMPLIES WITH NFPA 72 SECTION 18.4.5.3.

D. CIRCUIT CLASSES

INITIATING DEVICE CIRCUITS - CLASS B. SIGNALING LINE CIRCUITS - CLASS B. NOTIFICATION APPLIANCE CIRCUIT - CLASS B.

E. FUNCTIONS - SEE FIRE ALARM MATRIX OF OPERATIONS THIS SHEET.

F. FIRE ALARM TYPE AND ZONING

1. FIRE ALARM SYSTEM IS AN ADDRESSABLE TYPE. SUB-PANELS ARE ADDRESSABLE TYPE.
2. INITIATING DEVICES SHALL BE ZONED BY BUILDING.
3. EVACUATION SIGNALS SHALL BE ZONED BY BUILDING.

G. SURGE PROTECTION

DITEK SURGE PROTECTION DEVICES DEVICES SHALL BE PROVIDED AT EACH CONNECTION TO MAIN POWER AND WHERE A CIRCUIT ENTERS/EXITS THE BUILDING. ALL SURGE/TRANSIENT SUPPRESSORS MUST BE CONNECTED TO APPROVED BUILDING GROUND.

H. ENVIRONMENTAL FACTORS

NO SPECIAL ENVIRONMENTAL FACTORS APPLY. FIRE ALARM DEVICES AND EQUIPMENT TO BE INSTALLED OUTDOORS IN EXTERIOR LOCATIONS SHALL BE SPECIFICALLY DESIGNED AND U.L. LISTED AS WEATHERPROOF AND WATERPROOF.

I. SITE PLAN

AN ELECTRICAL SITE PLAN HAS BEEN PROVIDED ON SHEET E1.01 INDICATING THE LOCATIONS OF MASTER FACP IN CLUBHOUSE AND SUB PANEL FACP'S IN APARTMENT BUILDINGS.

J. AREA SMOKE DETECTION

1. WHERE SMOKE DETECTORS ARE USED TO PROVIDE AREA COVERAGE, THEY SHALL BE LOCATED IN ACCORDANCE WITH NFPA 72 SECTION 17.7.3 "LOCATION AND SPACING" AND NFPA SECTION 29.8.3.4 "SPECIFIC LOCATION REQUIREMENTS" FOR THE APPLICABLE CONDITIONS.
2. SMOKE ALARMS AND SMOKE DETECTORS SHALL NOT BE LOCATED WHERE AMBIENT CONDITIONS, INCLUDING HUMIDITY AND TEMPERATURE, ARE OUTSIDE THE LIMITS SPECIFIED BY THE MANUFACTURER'S INSTRUCTIONS, OR WHERE TEMPERATURES CAN FALL BELOW 40°F OR EXCEED 100°F.
3. SMOKE ALARMS AND SMOKE DETECTORS SHALL NOT BE INSTALLED WITHIN 10 FEET FROM A STATIONARY OR FIXED COOKING APPLIANCE, UNLESS LISTED FOR INSTALLATION IN CLOSE PROXIMITY TO COOKING APPLIANCES OR MEETING THE ADDITIONAL CRITERIA LIST IN SECTION 29.8.3.4(4).
4. SMOKE ALARMS AND SMOKE DETECTORS SHALL NOT BE INSTALLED WITHIN 3 FEET FROM THE ENTRANCE TO A BATHROOM CONTAINING A SHOWER OR TUB, SUPPLY AIR REGISTERS, AND/OR THE TIP OF THE BLADE OF A CEILING PADDLE FAN.
5. SMOKE DETECTORS SHALL NOT BE LOCATED DIRECTLY IN THE AIRSTREAM OF SUPPLY AIR REGISTERS PER NFPA 72 17.7.6.3.2.

K. SMOKE STRATIFICATION - SMOKE STRATIFICATION IS NOT EXPECTED TO OCCUR IN THIS/THESE INTERIOR BUILDING(S).

L. PERFORMANCE BASED DESIGN (PBD) - THE DESIGN IS DERIVED FROM A PRESCRIPTIVE DESIGN BASIS.

M. EVACUATION SIGNAL - EVACUATION SIGNAL IS A GENERAL SIGNAL ☐ BY FLOOR ☐ BY BUILDING.

N. WIRING REQUIREMENTS

1. WIRING SHALL BE IN ACCORDANCE WITH NFPA 72 AND NFPA 70 ARTICLES 300, 760, 770, AND 800, AS APPLICABLE, UNLESS OTHERWISE NOTED.
2. PROTECTION AGAINST DAMAGE: INSTALL WIRING IN METAL RACEWAY. CONCEAL RACEWAY EXCEPT IN UNFINISHED SPACES AND AS INDICATED.
3. FIRE ALARM DEVICES AND EQUIPMENT TO BE INSTALLED OUTDOORS IN EXTERIOR LOCATIONS SHALL BE SPECIFICALLY DESIGNED AND U.L. LISTED AS WEATHERPROOF AND WATERPROOF. PROVIDE WEATHERPROOF NEOPRENE GASKETS BETWEEN WALL MOUNTING SURFACE AND FIRE ALARM DEVICE FOR ALL DEVICES MOUNTED OUTDOORS.

O. OPERATIONS AND MAINTENANCE PROCEDURES

1. PROVIDE THE SERVICES OF A FACTORY-AUTHORIZED SERVICE REPRESENTATIVE TO DEMONSTRATE THE SYSTEM AND TRAIN OWNER'S MAINTENANCE PERSONNEL AS SPECIFIED BELOW:
   a. TRAIN OWNER'S MAINTENANCE PERSONNEL IN THE LOCATION OF DEVICES, BOXES, PROCEDURES AND SCHEDULES INVOLVED IN OPERATING, TROUBLESHOOTING, SERVICING, AND PREVENTIVE MAINTAINING OF THE SYSTEM. PROVIDE A MINIMUM OF 4 HOURS' TRAINING. TRAINING SHALL INCLUDE A COMPLETE PROJECT WALKDOWN WITH OWNER'S AUTHORIZED REPRESENTATIVE TO IDENTIFY DEVICE LOCATIONS, JUNCTION BOX LOCATIONS AND SURGE SUPPRESSION MODULE LOCATIONS.
   b. SCHEDULE TRAINING WITH THE OWNER AT LEAST SEVEN WORKING DAYS IN ADVANCE.

(5) BATTERY CALCULATIONS AND VOLTAGE DROP CALCULATIONS

FIRE ALARM CONTRACTOR SHALL SUBMITTALS AND SHOP DRAWINGS WITH BATTERY CALCULATIONS AND VOLTAGE DROP (CIRCUIT ANALYSIS) CALCULATIONS BASED ON THE SPECIFIC EQUIPMENT INCLUDED IN THOSE SUBMITTALS AND SHOP DRAWINGS. CALCULATIONS SHALL BE COMPLETED USING THE EQUIPMENT MANUFACTURE'S DATA AND APPLICABLE NFPA 72 PROCEDURES.

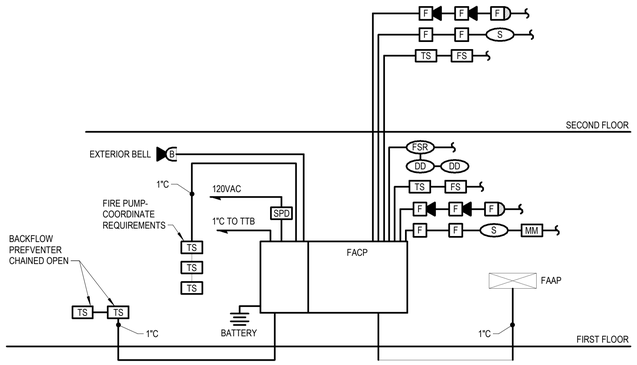
(6) SYSTEM TEST AND DOCUMENTATION REQUIREMENTS

FIRE ALARM CONTRACTOR SHALL PERFORM THE TESTING LISTED BELOW AND PREPARE RECORDS PER NFPA 72 SECTION 14.6.

☐ INITIAL ACCEPTANCE TESTING IN ACCORDANCE WITH NFPA 72 SECTION 14.4.1 FOR ALL NEW APPLIANCE AND CIRCUITS.
☐ RE-ACCEPTANCE TESTING IN ACCORDANCE WITH NFPA 72 14.4.2 FOR MODIFICATIONS OF EXISTING CIRCUITS.

## FIRE ALARM SYMBOL LEGEND

| | |
|---|---|
| FACP — FIRE ALARM CONTROL PANEL | FM — FIRE ALARM MINI HORN |
| FAAP — FIRE ALARM ANNUNCIATOR PANEL | FM — FIRE ALARM MINI HORN & STROBE COMBINATION |
| F — FIRE ALARM PULL STATION | SPD — SURGE PROTECTOR DEVICE |
| F — FIRE ALARM HORN | S — SMOKE DETECTOR |
| F — FIRE ALARM HORN & STROBE COMBINATION | H — HEAT DETECTOR |
| F — FIRE ALARM HORN & STROBE COMBINATION (CEILING MTD) | DD — DUCT DETECTOR |
| F — FIRE ALARM STROBE | RTS — REMOTE TEST STATION FOR DUCT DETECTOR |
| B — EXTERIOR FIRE ALARM BELL | FSR — FIRE ALARM SHUT DOWN RELAY |
| | FS — FLOW SWITCH |
| | TS — TAMPER SWITCH |




1 Fire Alarm System Riser Diagram
12" = 1'-0"

## FIRE ALARM RISER - GENERAL NOTES:

A. FIRE ALARM SYSTEM RISER DIAGRAM IS DIAGRAMMATICAL. SEE FLOOR PLANS FOR EXACT QUANTITIES OF DEVICES. WIRING SHALL BE AS RECOMMENDED BY SYSTEMS MANUFACTURER.

B. DO NOT SCALE ELECTRICAL DRAWING FOR ANY DIMENSIONS.

C. ALL WORK SHALL COMPLY WITH THE 2014 NATIONAL ELECTRICAL CODE, NATIONAL, STATE AND LOCAL CODES. PROVIDE GROUNDING AND BONDING PER NEC 250.

D. PROVIDE 120VAC SURGE SUPPRESSION AND LOW VOLTAGE FIRE ALARM CIRCUIT SURGE SUPPRESSION.

E. PROVIDE NOTIFICATION APPLIANCE CIRCUITS AND POWER SUPPLIES AS REQUIRED.

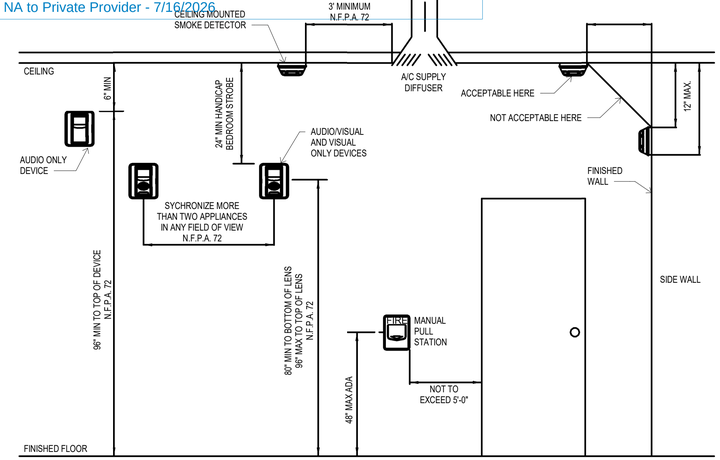
F. REFER TO POWER AND SYSTEMS FLOOR PLANS FOR FIRE ALARM EQUIPMENT COUNT.

G. PROVIDE 1" CONDUIT FROM FACP TO TTB.

H. ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT WHERE REQUIRED BY CODE OR AHJ. PROVIDE ALL REQUIRED MONITORING AND CONTROL OF MECHANICAL UNITS AS REQUIRED BY AUTHORITY HAVING JURISDICTION.

I. COORDINATE FINAL FLOW SWITCH, TAMPER SWITCH, AND FIRE ALARM CONNECTIONS REQUIRED BY FIRE PROTECTION DEVICES AS SHOWN IN FINAL SHOP DRAWINGS. PROVIDE ALL MONITORING OF FIRE PROTECTION SYSTEM AS REQUIRED.

J. CARBON MONOXIDE DETECTION SHALL BE PROVIDED NEAR GAS APPLIANCES AND WITHIN 10 FEET OF SLEEPING AREAS IN BUILDINGS WITH FUEL BURNING APPLIANCES, PER FBC (2017) SECTION 908.8 AND FLORIDA STATE STATUTES (2018) #509.211(4) AND #553.885.




2 Fire Alarm Typical Mounting Height Detail
1" = 1'-0"

| | SYSTEM INPUTS | CONTROL UNIT ANNUNCIATION: A ACTUATE COMMON ALARM SIGNAL INDICATOR | B ACTUATE AUDIBLE ALARM SIGNAL | C ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR | D ACTUATE COMMON SUPERVISORY SIGNAL | E ACTUATE COMMON TROUBLE SIGNAL INDICATOR | F ACTUATE COMMON TROUBLE SIGNAL | G ACTUATE ALARM INDICATOR | H ACTUATE EVACUATION SIGNAL | NOTIFICATION: I DISPLAYPRINT CHANGE OF STATUS | J TRANSMIT FIRE ALARM SIGNAL TO SUPERVISING STATION | K TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION | L TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION | FIRE SAFETY CONTROL: M RELEASE MAGNETICALLY HELD SMOKE DOORS | N RECALL ELEVATORS TO PRIMARY RECALL FLOOR | O RECALL ELEVATORS TO ALTERNATE RECALL FLOOR | P CLOSE SMOKE/FIRE DAMPERS IN RATED WALLS | Q SHUTDOWN AFFECTED ELEVATOR POWER | R SHUTDOWN AFFECTED AIR HANDLING UNIT(S) | S UNLOCK SECURED EGRESS EXITS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MANUAL FIRE ALARM BOXES | ● | ● | | | | | ● | ● | ● | ● | | | ● | | | | | | ● |
| 2 | AREA SMOKE DETECTORS | ● | ● | | | | | ● | ● | ● | ● | | | ● | | | | | | ● |
| 3 | IN-DUCT SMOKE DETECTORS | ● | ● | | | | | ● | ● | ● | ● | | | ● | | | | ● | | ● |
| 4 | HEAT DETECTOR IN ELEVATOR SHAFT/PIT | ● | ● | | | | | | | ● | ● | | | | | | | | | ● |
| 5 | ELEVATOR LOBBY SMOKE DETECTORS - FIRST FLOOR | ● | ● | | | | | | | ● | ● | | | ● | | ● | | | | ● |
| 6 | ELEVATOR LOBBY SMOKE DETECTORS - UPPER FLOORS | ● | ● | | | | | | | ● | ● | | | ● | ● | | | | | ● |
| 7 | WATER FLOW | ● | ● | | | | | ● | | ● | ● | | | ● | ● | | | | | ● |
| 8 | SPRINKLER CONTROL VALVE | | | ● | ● | | | | | ● | | ● | | | | | | | | |
| 9 | OPEN CIRCUIT | | | | | ● | ● | | | | | | ● | | | | | | | |
| 10 | GROUND FAULT | | | | | ● | ● | | | | | | ● | | | | | | | |
| 11 | NOTIFICATION APPLIANCE CIRCUIT SHORT | | | | | ● | ● | | | | | | ● | | | | | | | |

## FIRE ALARM MATRIX OF OPERATIONS

NO SCALE

LAFATE WILSON
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OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |
| 1 | PERMIT COMMENTS | 06.19.26 |

E5.01

FIRE ALARM DIAGRAM, DETAILS & NOTES

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Roger Sanders to Private Provider - 7/14/2026

## ELECTRICAL LIGHTING FIXTURE SCHEDULE – BUILDING

| TYPE | DESCRIPTION | MANUFACTURER | MODEL | VOLTS | LAMP QTY | LAMP WATTS | LAMP MODEL | FIXTURE WATTS |
|---|---|---|---|---|---|---|---|---|
| BWE | EXTERIOR FULL CUTOFF LED EGRESS LIGHT, BRONZE FINISH INTEGRAL PHOTOCELL, EMERGENCY BATTERY, SELF DIAGNOSTICS | ROYAL PACIFIC | RELSLED-OB | 120 | 1 | 18 | LED | 18 |
| EM | INTERIOR WALL MOUNTED EMERGENCY LIGHT THERMOPLASTIC HOUSING, TWIN HEADS AND INTEGRAL BATTERY BACKUP. | DUAL LITE | EV4-02L | 120 | 2 | 2 | LED | 4 |
| X | EXIT SIGN WHITE THERMOPLASTIC HOUSING, RED LETTERING, DIRECTIONAL CHEVRONS AND INTEGRAL BATTERY BACKUP | DUAL LITE | EVE-U-R-W-E | 120 | 1 | – | LED | – |

NOTES:
1) DIVISION 16 CONTRACTOR SHALL VERIFY ALL FIXTURE TYPES WITH LIGHTING PHOTOMETRY PLANS AND SCHEDULES. VERIFY ALL PROVISIONS WITH OWNER PRIOR TO ORDERING.

## EXISTING PANEL C

LOCATION: BLDG 1 | VOLTAGE: 208Y/120 V 3Φ 4W | MIN. AIC RATING: 10K AIC | NOTES: PROVIDE TYPED WRITTEN DIRECTORY, PROVIDE GROUND & NEUTRAL BUS
TYPE: SQUARE D | MAINS: 100 A ☑ MLO ☐ MCB | MOUNTING: SURFACE
FED FROM: 100A SERVICE DISC SW | LUGS: ☐ SUB-FEED ☐ FEED-THRU | ENCLOSURE: NEMA 1

| CKT. | CIRCUIT DESCRIPTION | NOTES | BRANCH CIRCUIT Φ | NEUT | GND | COND | BKR | LOAD KVA | PHASE Φ | LOAD KVA | BKR | BRANCH CIRCUIT Φ | NEUT | GND | COND | NOTES | CIRCUIT DESCRIPTION | CKT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | BATTERY CHARGER | | | | | | 20/1 | 1.90 | A | 1.90 | 20/1 | | | | | | VERIFY EXISTING LOAD SERVED | 2 |
| 3 | BATTERY CHARGER | | | | | | 20/1 | 1.90 | B | 1.90 | 20/1 | | | | | | VERIFY EXISTING LOAD SERVED | 4 |
| 5 | RECEPTACLE MTD ON LIFT | | | | | | 20/1 | 0.36 | C | 1.90 | 20/1 | | | | | | VERIFY EXISTING LOAD SERVED | 6 |
| 7 | CHEMICAL MIXER BUILDING | | | | | | 30/2 | 2.00 | A | 2.88 | 30/3 | | | | | | AIR COMPRESSOR | 8 |
| 9 | -- | | | | | | -- | 2.00 | B | 2.88 | --- | | | | | | --- | 10 |
| 11 | SPACE | | | | | | -/2 | | C | 2.88 | --- | | | | | | --- | 12 |
| 13 | -- | | | | | | -- | | A | 1.60 | 20/2 | | | | | | LIFT | 14 |
| 15 | ICE MACHINE 'B' | | | | | | 20/2 | 1.60 | B | 1.60 | -- | | | | | | -- | 16 |
| 17 | -- | | | | | | -- | 1.60 | C | 1.60 | 20/2 | | | | | | ICE MACHINE 'A' | 18 |
| 19 | SPACE | | | | | | -/2 | | A | 1.60 | -- | | | | | | -- | 20 |
| 21 | -- | | | | | | -- | | B | | -/2 | | | | | | SPACE | 22 |
| 23 | SPACE | | | | | | -/1 | | C | | -- | | | | | | -- | 24 |

| EQUIPMENT SERVED | CONN. LOAD | L.F. | D.F. | DEMAND LOAD |
|---|---|---|---|---|
| LIGHTING | 0.00 KVA | | 125% | 0.00 KVA |
| RECEPTACLES - GENERAL | 9.86 KVA | | 100% | 9.86 KVA |
| EQUIPMENT | 22.24 KVA | | 100% | 22.24 KVA |
| NOTES | | | TOTAL DEMAND LOAD: | 32.10 KVA |
| | | | TOTAL DEMAND AMPS: | 89.10 AMPS |

## PANEL P

LOCATION: UTILITY ROOM | VOLTAGE: 120/240 V 1Φ 3W | MIN. AIC RATING: 65K AIC | NOTES: PROVIDE TYPED WRITTEN DIRECTORY, PROVIDE GROUND & NEUTRAL BUS
TYPE: SQUARE-D "NQ" | MAINS: 600 A ☑ MLO ☐ MCB | MOUNTING: SURFACE
FED FROM: MAIN DISC SWITCH | LUGS: ☐ SUB-FEED ☐ FEED-THRU | ENCLOSURE: NEMA 1

| CKT. | CIRCUIT DESCRIPTION | NOTES | BRANCH CIRCUIT Φ | NEUT | GND | COND | BKR | LOAD KVA | PHASE Φ | LOAD KVA | BKR | BRANCH CIRCUIT Φ | NEUT | GND | COND | NOTES | CIRCUIT DESCRIPTION | CKT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | STORAGE LIGHTING | 1 | 12 | 12 | 12 | 1/2" | 20/1 | 1.00 | A | 4.15 | 50/2 | 6 | 6 | 8 | 1" | | AIR COMPRESSOR | 2 |
| 3 | STORAGE LIGHTING | 1 | 12 | 12 | 12 | 1/2" | 20/1 | 1.20 | B | 4.15 | | 6 | | | | | | 4 |
| 5 | BREAKROOM LIGHTING | 1 | 12 | 12 | 12 | 1/2" | 20/1 | 1.00 | A | 1.50 | 20/1 | 12 | 12 | 12 | 1/2" | | RESTROOM RECEPTACLE | 6 |
| 7 | BREAKROOM LIGHTING | 1 | 12 | 12 | 12 | 1/2" | 20/1 | 1.00 | B | 0.84 | 20/1 | 12 | 12 | 12 | 1/2" | | FRIDGE | 8 |
| 9 | EXTERIOR LIGHTING | 1 | 12 | 12 | 12 | 1/2" | 20/1 | 0.50 | A | 0.84 | 20/1 | 12 | 12 | 12 | 1/2" | | FRIDGE | 10 |
| 11 | MICROWAVE/HOOD | | 12 | 12 | 12 | 1/2" | 20/1 | 1.20 | B | 4.00 | 40/2 | 8 | 8 | 10 | 1" | | RANGE | 12 |
| 13 | MICROWAVE/HOOD | | 12 | 12 | 12 | 1/2" | 20/1 | 1.20 | A | 4.00 | | 8 | | | | | | 14 |
| 15 | MICROWAVE/HOOD | | 12 | 12 | 12 | 1/2" | 20/1 | 1.20 | B | 0.72 | 20/1 | 12 | 12 | 12 | 1/2" | | STORAGE RECEPTACLES | 16 |
| 17 | MICROWAVE/HOOD | | 12 | 12 | 12 | 1/2" | 20/1 | 1.20 | A | 0.72 | 20/1 | 12 | 12 | 12 | 1/2" | | STORAGE RECEPTACLES | 18 |
| 19 | FRIDGE | | 12 | 12 | 12 | 1/2" | 20/1 | 0.84 | B | 4.00 | 40/2 | 8 | 8 | 10 | 1" | | RANGE | 20 |
| 21 | FRIDGE | | 12 | 12 | 12 | 1/2" | 20/1 | 0.84 | A | 4.00 | | 8 | | | | | | 22 |
| 23 | FRIDGE | | 12 | 12 | 12 | 1/2" | 20/1 | 0.84 | B | 4.00 | 40/2 | 8 | 8 | 10 | 1" | | RANGE | 24 |
| 25 | WATER FOUNTAIN | | 12 | 12 | 12 | 1/2" | 20/1 | 1.50 | A | 4.00 | | 8 | | | | | | 26 |
| 27 | GARBAGE DISPOSAL | | 12 | 12 | 12 | 1/2" | 20/1 | 1.50 | B | 4.00 | 40/2 | 8 | 8 | 10 | 1" | | RANGE | 28 |
| 29 | DISHWASHER/DISPOSAL | | 12 | 12 | 12 | 1/2" | 20/1 | 1.50 | A | 4.00 | | 8 | | | | | | 30 |
| 31 | DISHWASHER/DISPOSAL | | 12 | 12 | 12 | 1/2" | 20/1 | 1.50 | B | 1.50 | 20/1 | 12 | 12 | 12 | 1/2" | | BREAKROOM RECEPTACLES | 32 |
| 33 | COMMON AREA LIGHTING | 1 | 12 | 12 | 12 | 1/2" | 20/1 | 1.20 | A | 1.50 | 20/1 | 12 | 12 | 12 | 1/2" | | BREAKROOM RECEPTACLES | 34 |
| 35 | COMMON AREA LIGHTING | 1 | 12 | 12 | 12 | 1/2" | 20/1 | 1.20 | B | 2.25 | 30/2 | 10 | 10 | 10 | 3/4" | | EWH-2 | 36 |
| 37 | DISHWASHER/DISPOSAL | | 12 | 12 | 12 | 1/2" | 20/1 | 1.50 | A | 2.25 | | 10 | | | | | | 38 |
| 39 | DISHWASHER | | 12 | 12 | 12 | 1/2" | 20/1 | 1.20 | B | 2.25 | 30/2 | 10 | 10 | 10 | 3/4" | | EWH-3 | 40 |
| 41 | FRIDGE | | 12 | 12 | 12 | 1/2" | 20/1 | 0.84 | A | 2.25 | | 10 | | | | | | 42 |
| 43 | FRIDGE | | 12 | 12 | 12 | 1/2" | 20/1 | 0.84 | B | 3.00 | 40/2 | 8 | 8 | 10 | 1" | | INDUCTION COOKER | 44 |
| 45 | COMMON AREA RECEPTACLE | | 12 | 12 | 12 | 1/2" | 20/1 | 0.72 | A | 3.00 | | 8 | | | | | | 46 |
| 47 | RESTROOM RECEPTACLE | | 12 | 12 | 12 | 1/2" | 20/1 | 0.72 | B | 2.50 | 30/2 | 10 | 10 | 10 | 3/4" | | DRYER | 48 |
| 49 | RESTROOM RECEPTACLE | | 12 | 12 | 12 | 1/2" | 20/1 | 0.72 | A | 2.50 | | 10 | | | | | | 50 |
| 51 | ROOM RECEPTACLE | | 12 | 12 | 12 | 1/2" | 20/1 | 0.54 | B | 1.50 | 20/1 | 12 | 12 | 12 | 1/2" | | WASHER | 52 |
| 53 | ROOM RECEPTACLE | | 12 | 12 | 12 | 1/2" | 20/1 | 0.54 | A | 2.50 | 30/2 | 10 | 10 | 10 | 3/4" | | DRYER | 54 |
| 55 | ROOM RECEPTACLE | | 12 | 12 | 12 | 1/2" | 20/1 | 0.54 | B | 2.50 | | 10 | | | | | | 56 |
| 57 | ROOM RECEPTACLE | | 12 | 12 | 12 | 1/2" | 20/1 | 0.54 | A | 1.50 | 20/1 | 12 | 12 | 12 | 1/2" | | WASHER | 58 |
| 59 | ROOM RECEPTACLE | | 12 | 12 | 12 | 1/2" | 20/1 | 0.54 | B | 5.37 | 60/2 | 4 | 4 | 8 | 1 1/4" | | AHU-4.1 | 60 |
| 61 | ROOM RECEPTACLE | | 12 | 12 | 12 | 1/2" | 20/1 | 0.54 | A | 5.37 | | 4 | | | | | | 62 |
| 63 | ROOM RECEPTACLE | | 12 | 12 | 12 | 1/2" | 20/1 | 0.54 | B | 5.37 | 60/2 | 4 | 4 | 8 | 1 1/4" | | AHU-4.2 | 64 |
| 65 | ROOM RECEPTACLE | | 12 | 12 | 12 | 1/2" | 20/1 | 0.54 | A | 5.37 | | 4 | | | | | | 66 |
| 67 | RESTROOM RECEPTACLE | | 12 | 12 | 12 | 1/2" | 20/1 | 0.72 | B | 5.37 | 60/2 | 4 | 4 | 8 | 1 1/4" | | AHU-4.3 | 68 |
| 69 | RESTROOM RECEPTACLE | | 12 | 12 | 12 | 1/2" | 20/1 | 0.72 | A | 5.37 | | 4 | | | | | | 70 |
| 71 | SPARE | | | | | | 20/1 | | B | | 20/1 | | | | | | SPARE | 72 |
| 73 | SPARE | | | | | | 20/1 | | A | | 20/1 | | | | | | SPARE | 74 |
| 75 | SPARE | | | | | | 20/1 | | B | | 20/1 | | | | | | SPARE | 76 |
| 77 | SPARE | | | | | | 20/1 | | C | | 20/1 | | | | | | SPARE | 78 |
| 79 | SPARE | | | | | | 20/1 | | A | | 20/1 | | | | | | SPARE | 80 |
| 81 | SPARE | | | | | | 20/1 | | B | | 20/1 | | | | | | SPARE | 82 |
| 83 | SPARE | | | | | | 20/1 | | A | | 20/1 | | | | | | SPARE | 84 |
| 85 | CU-1.1 (NON-CONCURRENT) | | 6 | 6 | 8 | 1" | 50/2 | 3.23 | B | 4.22 | 50/2 | 6 | 6 | 8 | 1" | | AHU-4.4 | 86 |
| 87 | | | 6 | | | | | 3.23 | A | 4.22 | | 6 | | | | | | 88 |
| 89 | CU-1.2 (NON-CONCURRENT) | | 6 | 6 | 8 | 1" | 50/2 | 3.23 | B | 4.22 | 50/2 | 6 | 6 | 8 | 1" | | AHU-4.5 | 90 |
| 91 | | | 6 | | | | | 3.23 | A | 4.22 | | 6 | | | | | | 92 |
| 93 | CU-1.3 (NON-CONCURRENT) | | 6 | 6 | 8 | 1" | 50/2 | 3.23 | B | 4.22 | 50/2 | 6 | 6 | 8 | 1" | | AHU-4.6 | 94 |
| 95 | | | 6 | | | | | 3.23 | A | 4.22 | | 6 | | | | | | 96 |
| 97 | CU-1.4 (NON-CONCURRENT) | | 6 | 6 | 8 | 1" | 50/2 | 3.06 | B | | 20/2 | | | | | | SPARE | 98 |
| 99 | | | 6 | | | | | 3.06 | A | | | | | | | | | 100 |
| 101 | CU-1.5 (NON-CONCURRENT) | | 6 | 6 | 8 | 1" | 50/2 | 3.06 | B | | 30/2 | | | | | | SPARE | 102 |
| 103 | | | 6 | | | | | 3.06 | A | | | | | | | | | 104 |
| 105 | CU-1.6 (NON-CONCURRENT) | | 6 | 6 | 8 | 1" | 50/2 | 3.06 | B | | 50/2 | | | | | | SPARE | 106 |
| 107 | | | 6 | | | | | 3.06 | A | | | | | | | | | 108 |
| 109 | SPACE | | | | | | | | B | | | | | | | | SPACE | 110 |
| 111 | SPACE | | | | | | | | A | | | | | | | | SPACE | 112 |
| 113 | SPACE | | | | | | | | B | | | | | | | | SPACE | 114 |
| 115 | SPACE | | | | | | | | A | | | | | | | | SPACE | 116 |
| 117 | SPACE | | | | | | | | B | | | | | | | | SPACE | 118 |
| 119 | SPACE | | | | | | | | A | | | | | | | | SPACE | 120 |
| 121 | SPACE | | | | | | | | B | | | | | | | | SPACE | 122 |
| 123 | SPACE | | | | | | | | A | | | | | | | | SPACE | 124 |
| 125 | SPACE | | | | | | | | B | | | | | | | | SPACE | 126 |

| EQUIPMENT SERVED | CONN. LOAD | L.F. | D.F. | DEMAND LOAD |
|---|---|---|---|---|
| LIGHTING | 7.10 KVA | | 125% | 8.88 KVA |
| RECEPTACLES - GENERAL | 12.42 KVA | | ** | 11.21 KVA |
| EQUIPMENT | 64.00 KVA | | 100% | 64.00 KVA |
| COOLING | 0.00 KVA | | 100% | 0.00 KVA |
| KITCHEN | 57.32 KVA | | 65% | 37.26 KVA |

NOTES:
1) ROUTE CIRCUIT THRU CONTACTOR FOR AUTOMATIC CONTROL OF LIGHTING, SEE DETAIL E7.01.

TOTAL DEMAND LOAD: 121.34 KVA
TOTAL DEMAND AMPS: 505.59 AMPS

## EXISTING PANEL A

LOCATION: BLDG 1 | VOLTAGE: 208Y/120 V 3Φ 4W | MIN. AIC RATING: 42K AIC | NOTES: PROVIDE TYPED WRITTEN DIRECTORY, PROVIDE GROUND & NEUTRAL BUS
TYPE: SQUARE-D "NQ" | MAINS: 400 A ☑ MLO ☐ MCB | MOUNTING: SURFACE
FED FROM: EXISTING METER | LUGS: ☐ SUB-FEED ☑ FEED-THRU | ENCLOSURE: NEMA 1

| CKT. | CIRCUIT DESCRIPTION | NOTES | BRANCH CIRCUIT Φ | NEUT | GND | COND | BKR | LOAD KVA | PHASE Φ | LOAD KVA | BKR | BRANCH CIRCUIT Φ | NEUT | GND | COND | NOTES | CIRCUIT DESCRIPTION | CKT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | STORAGE LIGHTING | 2 | 12 | 12 | 12 | 1/2" | 20/1 | 1.70 | A | 1.50 | 20/1 | 12 | 12 | 12 | 1/2" | 2 | BLDG 1 GARAGE DOOR OPENER | 2 |
| 3 | MAINTENANCE LIGHTING | 2 | 12 | 12 | 12 | 1/2" | 20/1 | 1.20 | B | 1.50 | 20/1 | 12 | 12 | 12 | 1/2" | 2 | BLDG 1 GARAGE DOOR OPENER | 4 |
| 5 | MAINTENANCE LIGHTING | 2 | 12 | 12 | 12 | 1/2" | 20/1 | 1.20 | C | 1.50 | 20/1 | 12 | 12 | 12 | 1/2" | 2 | BLDG 1 GARAGE DOOR OPENER | 6 |
| 7 | OFFICE LIGHTING | 2 | 12 | 12 | 12 | 1/2" | 20/1 | 1.00 | A | 1.50 | 20/1 | 12 | 12 | 12 | 1/2" | 2 | BLDG 1 GARAGE DOOR OPENER | 8 |
| 9 | EXTERIOR LIGHTING | 2 | 12 | 12 | 12 | 1/2" | 20/1 | 1.00 | B | 1.50 | 20/1 | 12 | 12 | 12 | 1/2" | 2 | BLDG 1 GARAGE DOOR OPENER | 10 |
| 11 | BLDG 1 GARAGE DOOR OPENER | 2 | 12 | 12 | 12 | 1/2" | 20/1 | 1.00 | C | 1.50 | 20/1 | 12 | 12 | 12 | 1/2" | 2 | BLDG 1 GARAGE DOOR OPENER | 12 |
| 13 | BLDG 1 GARAGE DOOR OPENER | 2 | 12 | 12 | 12 | 1/2" | 20/1 | 1.00 | A | 1.50 | 20/1 | 12 | 12 | 12 | 1/2" | 2 | BLDG 1 GARAGE DOOR OPENER | 14 |
| 15 | BLDG 1 GARAGE DOOR OPENER | 2 | 12 | 12 | 12 | 1/2" | 20/1 | 1.00 | B | 1.50 | 20/1 | 12 | 12 | 12 | 1/2" | 2 | BLDG 1 GARAGE DOOR OPENER | 16 |
| 17 | SAND STORAGE LIGHTING | 2 | 12 | 12 | 12 | 1/2" | 20/1 | 1.20 | C | 1.50 | 20/1 | 12 | 12 | 12 | 1/2" | 2 | BLDG 1 GARAGE DOOR OPENER | 18 |
| 19 | SAND STORAGE EXTERIOR LTG | 2 | 12 | 12 | 12 | 1/2" | 20/1 | 0.50 | A | 1.50 | 20/1 | 12 | 12 | 12 | 1/2" | 2 | BLDG 3 GARAGE DOOR OPENER | 20 |
| 21 | SAND STORAGE RECEPTACLES | 2 | 12 | 12 | 12 | 1/2" | 20/1 | 1.20 | B | 1.50 | 20/1 | 12 | 12 | 12 | 1/2" | 2 | BLDG 3 GARAGE DOOR OPENER | 22 |
| 23 | CHEM STORAGE LIGHTING | 2 | 12 | 12 | 12 | 1/2" | 20/1 | 1.00 | C | 1.50 | 20/1 | 12 | 12 | 12 | 1/2" | 2 | BLDG 3 GARAGE DOOR OPENER | 24 |
| 25 | CHEM STORAGE EXTERIOR LTG | 2 | 12 | 12 | 12 | 1/2" | 20/1 | 0.50 | A | 1.20 | 20/1 | 12 | 12 | 12 | 1/2" | 2 | MAINTENANCE RECEPTACLES | 26 |
| 27 | CHEM STORAGE RECEPTACLES | 2 | 12 | 12 | 12 | 1/2" | 20/1 | 1.20 | B | 1.20 | 20/1 | 12 | 12 | 12 | 1/2" | 2 | MAINTENANCE RECEPTACLES | 28 |
| 29 | EWH-1 | 2 | 10 | 10 | 10 | 3/4" | 30/2 | 2.25 | C | 1.50 | 30/2 | 10 | 10 | 10 | 3/4" | 2 | MAINTENANCE GRINDER | 30 |
| 31 | | | 10 | | | | | 2.25 | A | 1.50 | | 10 | | | | | | 32 |
| 33 | AHU-1.1 | 2 | 4 | 4 | 8 | 1 1/4" | 60/2 | 9.44 | B | 1.50 | 30/2 | 10 | 10 | 10 | 3/4" | 2 | MAINTENANCE GRINDER | 34 |
| 35 | | | 4 | | | | | 9.44 | C | 1.50 | | 10 | | | | | | 36 |
| 37 | CU-1.1 (NON-CONCURRENT) | 2 | 4 | 4 | 8 | 1 1/4" | 60/2 | 7.57 | A | 1.50 | 20/1 | 12 | 12 | 12 | 1/2" | 2 | BLDG 2 GARAGE DOOR OPENER | 38 |
| 39 | | | 4 | | | | | 7.57 | B | 4.15 | 50/2 | 6 | 6 | 8 | 1" | 3 | AIR COMPRESSOR | 40 |
| 41 | MAINTENANCE RESTROOM REC. | 2 | 12 | 12 | 12 | 1/2" | 20/1 | 0.54 | C | 4.15 | | 6 | | | | | | 42 |
| 43 | CHEM STORAGE COMPRESSOR | 3 | 8 | 8 | 8 | 3/4" | 30/2 | 2.00 | A | 2.40 | 30/1 | 10 | 10 | 10 | 3/4" | 2 | EF-3.1 | 44 |
| 45 | (VERIFY W/ EQUIP SPEC) | | 8 | | | | -- | 2.00 | B | 1.92 | 30/1 | 10 | 10 | 10 | 3/4" | 2 | EF-3.2 | 46 |
| 47 | SPARE | 1 | | | | | 20/1 | | C | | 20/1 | | | | | 1 | SPARE | 48 |
| 49 | SPARE | 1 | | | | | 20/1 | | A | | 20/1 | | | | | 1 | SPARE | 50 |
| 51 | SPARE | 1 | | | | | 20/1 | | B | | 20/1 | | | | | 1 | SPARE | 52 |
| 53 | SPARE | 1 | | | | | 20/1 | | C | | 20/1 | | | | | 1 | SPARE | 54 |

| EQUIPMENT SERVED | CONN. LOAD | L.F. | D.F. | DEMAND LOAD |
|---|---|---|---|---|
| LIGHTING | 9.30 KVA | | 125% | 11.63 KVA |
| RECEPTACLES - GENERAL | 4.80 KVA | | 100% | 4.80 KVA |
| EQUIPMENT | 69.04 KVA | | 100% | 69.04 KVA |
| | | | TOTAL DEMAND LOAD: | 85.46 KVA |
| | | | TOTAL DEMAND AMPS: | 237.22 AMPS |

NOTES:
1) CONVERT EXISTING CIRCUIT TO NEW SPARE/SPACE.
2) PROVIDE NEW GFCI CIRCUIT BREAKER.
3) CONTRACTOR SHALL VERIFY EQUIPMENT REQUIREMENTS AND ADJUST ELECTRICAL COMPONENTS, AS NECESSARY..

## EXISTING PANEL B

LOCATION: BLDG 1 | VOLTAGE: 208Y/120 V 3Φ 4W | MIN. AIC RATING: 42K AIC | NOTES: PROVIDE TYPED WRITTEN DIRECTORY, PROVIDE GROUND & NEUTRAL BUS
TYPE: SQUARE D | MAINS: 400 A ☑ MLO ☐ MCB | MOUNTING: SURFACE
FED FROM: 400A SERVICE DISC. SW. | LUGS: ☐ SUB-FEED ☐ FEED-THRU | ENCLOSURE: NEMA 1

| CKT. | CIRCUIT DESCRIPTION | NOTES | BRANCH CIRCUIT Φ | NEUT | GND | COND | BKR | LOAD KVA | PHASE Φ | LOAD KVA | BKR | BRANCH CIRCUIT Φ | NEUT | GND | COND | NOTES | CIRCUIT DESCRIPTION | CKT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | BATTERY CHARGER | | | | | | 20/1 | 1.90 | A | 1.90 | 20/1 | | | | | | BATTERY CHARGER | 2 |
| 3 | BATTERY CHARGER | | | | | | 20/1 | 1.90 | B | 1.90 | 20/1 | | | | | | BATTERY CHARGER | 4 |
| 5 | GOLF CART LIGHTING | | | | | | 20/1 | 1.60 | C | 1.60 | 20/1 | | | | | | MAINTENANCE AREA RECEPT | 6 |
| 7 | GOLF CART LIGHTING | | | | | | 20/1 | 1.60 | A | 1.60 | 20/1 | | | | | | MAIN SHOP RECEPTACLE | 8 |
| 9 | VERIFY EXISTING LOAD SERVED | | | | | | 30/2 | 2.00 | B | 1.60 | 20/1 | | | | | | MAIN SHOP RECEPTACLE | 10 |
| 11 | -- | | | | | | -- | 2.00 | C | 1.60 | 20/1 | | | | | | MAINTENANCE AREA RECEPT | 12 |
| 13 | OFFICE LIGHTING / EF-1 | | | | | | 20/1 | 1.60 | A | 1.20 | 20/1 | | | | | | REFRIGERATOR | 14 |
| 15 | EXTERIOR LIGHTING | | | | | | 20/1 | 1.60 | B | 1.00 | 20/1 | | | | | | COUNTER RECEPTACLE | 16 |
| 17 | MAIN SHOP LIGHTING | | | | | | 20/1 | 1.60 | C | 1.00 | 20/1 | | | | | | COUNTER RECEPTACLE | 18 |
| 19 | MAIN SHOP LIGHTING | | | | | | 20/1 | 1.60 | A | 0.80 | 20/1 | | | | | | OFFICE RECEPTACLE | 20 |
| 21 | VERIFY EXISTING LOAD SERVED | | | | | | 20/1 | 1.90 | B | 1.90 | 20/1 | | | | | | GRINDER | 22 |
| 23 | WELDER | | | | | | 50/2 | 5.20 | C | 0.50 | 20/1 | | | | | | EF-2 IN CART BARN | 24 |
| 25 | | | | | | | -- | 5.20 | A | 0.50 | 20/1 | | | | | | GOLF COURSE SPRINKLER | 26 |
| 27 | VERIFY EXISTING LOAD SERVED | | | | | | 20/2 | 1.60 | B | 0.50 | 20/1 | | | | | | GOLF COURSE SPRINKLER | 28 |
| 29 | -- | | | | | | | 1.60 | C | 1.60 | 20/2 | | | | | | ICE MACHINE | 30 |
| 31 | LIFT STATION | | | | | | 40/3 | 3.84 | A | 1.60 | -- | | | | | | | 32 |
| 33 | | | | | | | --- | 3.84 | B | 2.25 | 30/2 | | | | | | WATER HEATER | 34 |
| 35 | -- | | | | | | --- | 3.84 | C | 2.25 | -- | | | | | | | 36 |
| 37 | CU-1 | | | | | | 30/3 | 2.88 | A | 9.60 | 100/3 | | | | | | AHU-1 | 38 |
| 39 | | | | | | | --- | 2.88 | B | 9.60 | --- | | | | | | | 40 |
| 41 | | | | | | | --- | 2.88 | C | 9.60 | --- | | | | | | | 42 |

| EQUIPMENT SERVED | CONN. LOAD | L.F. | D.F. | DEMAND LOAD |
|---|---|---|---|---|
| LIGHTING | 9.60 KVA | | 125% | 12.00 KVA |
| RECEPTACLES - GENERAL | 19.90 KVA | | ** | 14.95 KVA |
| EQUIPMENT | 40.22 KVA | | 100% | 40.22 KVA |
| COOLING | 37.44 KVA | | 100% | 37.44 KVA |
| NOTES | | | TOTAL DEMAND LOAD: | 104.61 KVA |
| | | | TOTAL DEMAND AMPS: | 290.37 AMPS |

**FIRST 10KVA + 50% OF REMAINING

LAFATE WILSON
architects
1030 arlington ave n, st petersburg fl 33705
(727) 490-9483
studio@lafatewilson.com

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OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |
| 1 | PERMIT COMMENTS | 06.19.26 |

E6.01
ELECTRICAL SCHEDULES

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4
7/20/2026

| |
|---|
| Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Fire Review - Jay Traina - NA to Private Provider - 7/16/2026 |

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1030 arlington ave n, st petersburg fl 33705
(727) 490-9483
studio@lafatewilson.com

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Product Information

## Firestop Putty Pad (CP 617, CP 617L and CP 617XL)

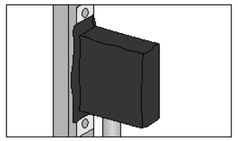
**Product description**
- A moldable firestop putty designed to help protect electrical outlet boxes

**Product features**
- Applied by hand
- Fast installation

**Areas of application**
- Protection of electrical outlet boxes

**For use with**
- Gypsum wall assemblies with wood or metal studs

**Examples**
- Where two outlets are within a single stud/cavity or within 24" measured horizontally (not back to back unless specified by the specific UL approval)



| Technical Data* | CP 617 |
|---|---|
| Dimensions (LxWxH) | CP 617: 6" x 7" x 1/8" (15 x 18 x 0.3 cm)<br>CP 617L: 7" x 7" x 1/8" (18 x 18 x 0.3 cm)<br>CP 617XL: 9" x 9" x 1/8" (23 x 23 x 0.3 cm) |
| Consistency | Moldable putty |
| Color | Red |
| Application temperature | 40°F (5°C) to 95°F (35°C) |
| Storage temperature | 40°F (5°C) to 104°F (40°C) |
| Curing time | Non-curing |
| Density | 1.48 g/cm³ |
| Intumescent activation | Approx. 220°F to 250°F (104°C to 121°C) |
| Volatile solvents | None |
| Asbestos fibers | None |
| Surface burning characteristics (ASTM E 84-98) | Flame Spread: 15<br>Smoke development: 10 |
| Sound transmission classification (ASTM E 90-97) | 59 (Relates to specific construction) |

Tested in accordance with
• UL 263 • ASTM E 84 • ASTM 621

*At 79°F (26°C) and 50% relative humidity

WALL OPENING PROTECTIVE MATERIAL
FIRE RESISTANCE CLASSIFICATION
SEE PRODUCT CATEGORY IN
UL FIRE RESISTANCE DIRECTORY
or/IT

FM APPROVED

### Installation instructions for CP 617

**Notice**
- Before handling, read Material Safety Data Sheet and product label for safe usage and health information.
- Instructions are general guidelines — always refer to the applicable listing (CJ.IV) in the UL Fire Resistance Directory or Hilti Firestop Systems Guide for complete installation information

**Application of firestop putty**
1. After ensuring box is cleared of loose debris, dirt, oil, moisture, frost and wax, remove label from one side of pad. For a 1 to 2 hour fire rating, one CP 617 pad is required. Exposed side of pad is placed against box.
2. CP 617 Firestop Putty Pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) and completely seal against the stud within the stud cavity.
3. Reshape CP 617 to fit around conduit or cables.
4. Press CP 617 to all sides of electrical box.
5. Remove other side of label.

**Not for use**
- In areas exposed to water

**Storage**
- Store only in the original packaging in a location at temperatures 40°F (5°C) to 104°F (40°C)

Hilti Firestop
Saving lives through innovation and education

**Hilti. Outperform. Outlast.**

Hilti, Inc. (U.S.) 1-800-879-8000 • www.us.hilti.com • en español 1-800-879-5000 • Hilti Firestop Systems Guide

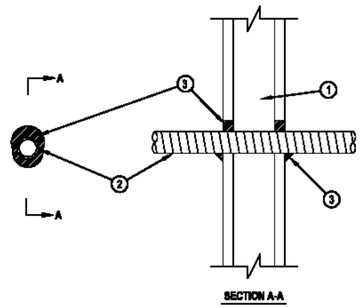
4 NTS — FIRE STOP PUTTY PAD DETAIL - WOOD FRAMING

---

Classified by Underwriters Laboratories Inc. to UL 1479 and CAN/ULC-S115

**System No. W-L-1214**
**F Rating — 1 Hr**
**T Rating — 0 Hr**

WL 1214




1. Wall Assembly — The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing shall consist of either wood studs or channel shaped steel studs. Wood studs to consist of 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide, fabricated from min 25 MSG galvanized steel, spaced max 24 in. OC.
   B. Wallboard, Gypsum* — One layer of nom 5/8 in. gypsum wallboard, as specified in the individual Wall and Partition Design. Max diam of opening is 2 in.
2. Through Penetrants — Flexible Steel Conduit — Nom 1 in. diam (or smaller) flexible steel conduit. Max one conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between pipe and periphery of opening shall be min 0 in. (point contact) to max 3/4 in. Conduit to be rigidly supported on both sides of floor or wall assembly.
   See Flexible Metal Conduit (DUZQ) category in the Electrical Construction Materials Directory for names of manufacturers.
3. Fill, Void or Cavity Materials* — Sealant — Min 5/8 in. thickness of fill material applied within annulus flush with both surfaces of wall. At point contact location between conduit and wall, a min 1/2 in. bead of fill material shall be applied at the conduit/wallboard interface on both side of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF
   HILTI INC — FB-ONE Sealant
   †Bearing the UL Listing Mark
   *Bearing the UL Classification Mark

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.
October 19, 2005

3 NTS — UL FIRE RATED DETAIL (W-L-1214)

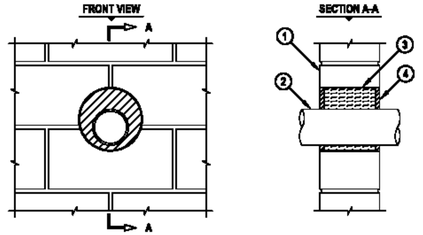
---

UL/cUL SYSTEM NO. W-J-1020

**METAL PIPE THROUGH CONCRETE WALL OR BLOCK WALL**

**F-RATING = 3-HR.**
**T-RATING = 0-HR. OR 1/4-HR.**
**L-RATING AT AMBIENT = LESS THAN 1 CFM/SQ. FT.**
**L-RATING AT 400°F = 4 CFM/SQ. FT.**

W-J-1020a_081999




1. CONCRETE WALL ASSEMBLY (2-HR. FIRE-RATING):
   A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MIN. 5" THICK).
   B. ANY UL/ULC CLASSIFIED CONCRETE BLOCK WALL.
2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING:
   A. MAXIMUM 4" NOMINAL DIAMETER COPPER PIPE.
   B. MAXIMUM 4" NOMINAL DIAMETER STEEL CONDUIT.
   C. MAXIMUM 4" NOMINAL DIAMETER EMT.
3. MINERAL WOOL (MIN. 4 PCF DENSITY), BACKER ROD, OR HILTI CP 128 FILLER FOAM TO BE USED AS A BACKER.
4. HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT:
   A. MINIMUM 1/4" DEPTH WHEN EMT OR STEEL CONDUIT IS THE PENETRATING ITEM.
   B. MINIMUM 1/2" DEPTH WHEN COPPER PIPE IS THE PENETRATING ITEM.

NOTES : 1. MAXIMUM DIAMETER OF OPENING = 8".
2. ANNULAR SPACE = MINIMUM 3/4", MAXIMUM 3-1/2".
3. FOR HOLLOW BLOCK WALLS, USE NO. 5 STEEL WIRE MESH TO AID IN THE INSTALLATION.

HILTI FIRESTOP SYSTEMS

HILTI, Inc.
Tulsa, Oklahoma USA (918) 252-9000

| | |
|---|---|
| Sheet | 1 of 1 |
| Scale | 1/8" = 1" |
| Date | SEPT. 15, 1999 |
| Drawing No. | WJ 1020e |

*Saving Lives through Innovation and Education*

2 NTS — UL FIRE RATED DETAIL (W-J-1020)

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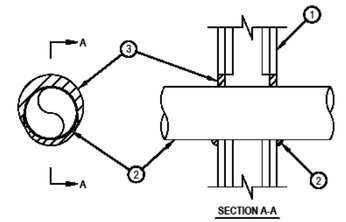
Classified by Underwriters Laboratories Inc. to UL 1479 and CAN/ULC-S115

**System No. W-L-1175**
**F Ratings - 1 and 2 Hr (See Item 1)**
**T Rating - 0 Hr**
**L Rating at Ambient - Less Than 1 CFM/sq ft**
**L Rating at 400 F - Less Than 1 CFM/sq ft**

WL 1175




1. Wall Assembly — The 1 or 2 hr fire rated wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features.

   A. Studs — Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.
   B. Gypsum Board* — Nom 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the Fire Resistance Directory. Max diam of opening is 5-1/2 in.
   The hourly F and T Ratings of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

2. Through Penetrant — One metallic tubing or conduit installed concentrically or eccentrically within the firestop system. Tube or conduit to be rigidly supported on both sides of wall assembly. The annular space between the tube or conduit and periphery of the steel sleeve shall be min 0 in. (point contact) to max 1 in. The following types and sizes of metallic tube or conduit may be used:

   A. Conduit — Nom 4 in. diam (or smaller) steel electrical metallic tubing or steel conduit.

3. Fill Void or Cavity Material* — Putty — Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. At point contact location between penetrant and wall, a 1/4 in. crown of fill material shall be applied at the conduit/wall interface on both sides of the assembly, tapping 1/4 in. on the conduit and 1/4 in. beyond the periphery of the opening.
   HILTI INC — CP618 Putty Stick

   *Bearing the UL Classification Mark

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.
February 08, 2006

1 NTS — UL FIRE RATED DETAIL (W-L-1175)

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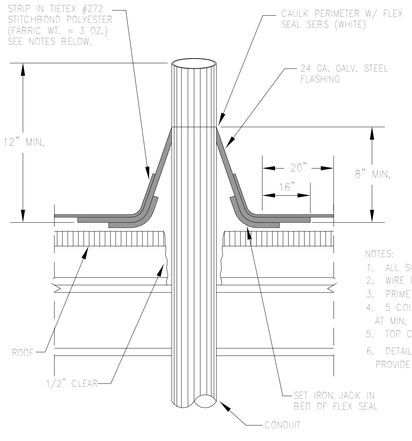


NOTES:
1. ALL SURFACES TO BE CLEAN (FREE OF DIRT, GREASE, SCALE, PAINT, ETC.)
2. WIRE BRUSH ALL LOOSE MATERIAL AS REQUIRED.
3. PRIME EXISTING ROOF AND FLASHING W/ SB ELASTOMERIC PRIMER.
4. 5 COURSE, 2 PLYS TIETEX W/ SB ELASTOMERIC GEL (FEATHER SECOND PLY) AT MIN. 40 MIL UNCURED PER COURSE.
5. TOP COAT W/ K-2 EXTREME DUTY ELASTOMER (MATCH ROOF COLOR)
6. DETAIL SHOW FOR WEATHERPROOFING PENETRATION ONLY. CONTRACTOR SHALL PROVIDE FIRESTOPPING AS REQUIRED TO MAINTAIN FIRE RATING OF ROOF.

## ROOF PENETRATION WEATHERPROOF DETAIL

5 NTS

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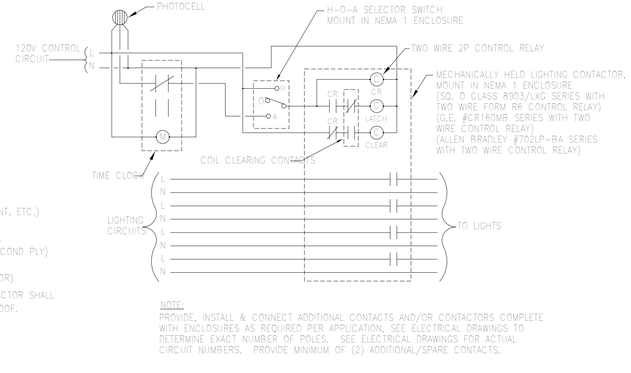
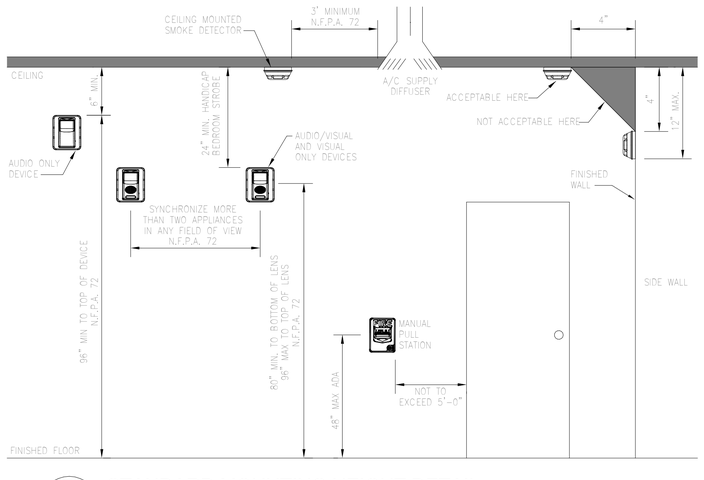



NOTE:
PROVIDE, INSTALL & CONNECT ADDITIONAL CONTACTS AND/OR CONTACTORS COMPLETE WITH ENCLOSURES AS REQUIRED PER APPLICATION. SEE ELECTRICAL DRAWINGS TO DETERMINE EXACT NUMBER OF POLES. SEE ELECTRICAL DRAWINGS FOR ACTUAL CIRCUIT NUMBERS. PROVIDE MINIMUM OF (2) ADDITIONAL/SPARE CONTACTS.

## CONTACTOR 'LC1' SCHEMATIC - PHOTOCELL & TIMECLOCK CONTROLLED

6 NTS

---




7 NTS — STANDARD MOUNTING HEIGHT DETAIL

OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |

E7.01

ELECTRICAL DETAILS

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026

# ELECTRICAL SPECIFICATIONS

I. GENERAL REQUIREMENTS:

A. DO ALL WORK IN COMPLIANCE WITH THE LATEST ADOPTED EDITION OF THE FLORIDA BUILDING CODE (FBC-2023), NFPA 70 (NEC-2020) AND NFPA 101 (LIFE SAFETY CODE-2024), AND THE REGULATIONS OF THE LOCAL UTILITY TELEPHONE, CABLE TELEVISION AND POWER UTILITY COMPANIES. OBTAIN AND PAY FOR ANY AND ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATES OF INSPECTIONS AND APPROVAL, AND THE LIKE, AND DELIVER SUCH CERTIFICATES TO THE ENGINEER.

B. THE CONTRACTOR SHALL FURNISH, PERFORM, OR OTHERWISE PROVIDE ALL LABOR (INCLUDING, BUT NOT LIMITED TO, ALL PLANNING, PURCHASING, PAINTING, TRANSPORTING, RIGGING, HOISTING,, STORING, INSTALLING, TESTING, CHASING, CHANNELING, CUTTING, TRENCHING, EXCAVATING AND BACKFILLING), COORDINATION, FIELD VERIFICATION, EQUIPMENT INSTALLATION, SUPPORT, AND SAFETY, SUPPLIES, AND MATERIALS NECESSARY FOR THE CORRECT INSTALLATION OF COMPLETE AND FUNCTIONAL ELECTRICAL SYSTEMS (AS DESCRIBED OR IMPLIED BY THESE SPECIFICATIONS AND THE APPLICABLE DRAWINGS).

C. ALL DRAWINGS AND SPECIFICATIONS ON THE PROJECT ARE COMPLEMENTARY, EACH TO ALL OTHER SETS, AND THEY SHALL BE USED IN COMBINATION FOR THE EXECUTION OF THIS WORK. DIVISION 16 WORK SHOWN ON ANY ONE SET OF DRAWINGS, INCLUDING ALL ARCHITECTURAL DRAWINGS, MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS FOR GENERAL WORK AND EQUIPMENT, AND DIVISION 16 WORK CALLED FOR UNDER ANY SECTION OF THE PROJECT SPECIFICATIONS, SHALL BE CONSIDERED AS INCLUDED IN THIS WORK UNLESS SPECIFICALLY EXCLUDED BY INCLUSION IN SOME OTHER BRANCH OF THE WORK. THIS SHALL INCLUDE ROUGHING-IN FOR CONNECTIONS AND EQUIPMENT AS CALLED FOR OR INFERRED. THE CONTRACTOR SHALL CHECK ALL DRAWINGS AND SPECIFICATIONS FOR THE PROJECT AND SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL DIVISION 16 WORK.

D. THE CONTRACTOR SHALL CAREFULLY CHECK THE DRAWINGS AND SPECIFICATIONS OF ALL OTHER TRADES AND DIVISIONS BEFORE INSTALLING ANY OF HIS WORK, HE SHALL IN ALL CASES CONSIDER THE WORK OF ALL OTHER TRADES, AND SHALL COORDINATE HIS WORK WITH THEM SO THAT THE BEST ARRANGEMENTS OF ALL EQUIPMENT, PIPING, CONDUIT, DUCTS, ROUGH-IN, ETC., CAN BE OBTAINED.

E. LOCATIONS DESIGNATED FOR OUTLETS, SWITCHES, DEVICES, EQUIPMENT, ETC., ARE APPROXIMATE AND FINAL LOCATIONS SHALL BE VERIFIED IN THE FIELD. CONTRACTOR SHALL LOCATE ALL DEVICES UP TO 5 FEET IN ANY DIRECTION AS DIRECTED BY OWNER AND PER CODE. WHERE INSTRUCTIONS OR NOTES ARE INSUFFICIENT TO CONVEY THE INTENT OF THE DESIGN, CONSULT THE OWNER PRIOR TO BIDDING AND INSTALLATION.

F. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND COORDINATING THE LOCATIONS OF DEVICES TO BE USED AND COORDINATING THE FINAL LOCATIONS OF ELECTRICAL EQUIPMENT WITH MILLWORK, SINKS, BENCHES, COUNTERS AND SHELVING PRIOR TO BIDDING AND INSTALLATION. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER.

G. DIVISION 16 CONTRACTOR SHALL HAVE HAD EXPERIENCE OF AT LEAST THE SAME SIZE AND SCOPE AS THIS PROJECT, ON AT LEAST TWO OTHER PROJECTS WITHIN THE LAST FIVE YEARS IN ORDER TO BE QUALIFIED TO BID THIS PROJECT.

H. CONTRACTOR SHALL AND DOES HEREBY WARRANT ALL MATERIALS AND EQUIPMENT FURNISHED UNDER THIS SECTION OF THE SPECIFICATIONS TO BE FREE FROM DEFECTS AND TO FUNCTION OR OPERATE SATISFACTORILY FOR ONE YEAR AFTER FINAL ACCEPTANCE OF THE WORK, AND THAT ANY ITEMS NOT MEETING THIS REQUIREMENT WILL BE MADE GOOD BY HIM WITHOUT COST TO OWNER, PROVIDED SUCH DEFECTS OR FAILURES ARE NOT DUE TO ABUSE, NEGLECT, OR LACK OF REASONABLE AND ORDINARY MAINTENANCE.

I. ALL WORK SHALL BE EXECUTED IN A WORKMANSHIP MANNER DISPLAYING A NEAT MECHANICAL APPEARANCE UPON COMPLETION.

J. BALANCE TOTAL PHASE LOADS IN EACH ELECTRICAL PANEL TO A VALUE WITHIN 10% OF EACH OTHER.

K. THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION, WHEREVER WORK IS TO BE PERFORMED IN FINISHED/OCCUPIED SPACES, TO PREVENT DAMAGE TO ADJACENT AREAS, EQUIPMENT, OR FURNISHINGS, TO PREVENT ANY INJURY TO BUILDING OCCUPANTS AND THE PUBLIC; TO PREVENT THE SPREADING OF DUST, DIRT, DEBRIS, AND MOISTURE FROM THE AREA WHERE WORK IS BEING PERFORMED; AND TO PREVENT DUST, DIRT, DEBRIS, AND MOISTURE FROM GETTING ON OR IN THE BUILDING OCCUPANT'S FURNISHINGS OR EQUIPMENT.

L. THE CONTRACTOR SHALL REPAIR, AT NO COST TO THE OWNER, ANY DAMAGE DONE BY HIMSELF OR HIS EMPLOYEES. HE SHALL ALSO BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED TO PROPERLY INSTALL HIS WORK. THIS SHALL ALSO INCLUDE THE PATCHING OF EXISTING ROADWAYS (PAVED OR IMPROVED), PARKING AREAS, SIDEWALKS, WALLS, STAIRS, MECHANICAL WORK, CURBS, GUTTERS, ETC., CUT TO INSTALL WORK PROVIDED BY THE CONTRACTOR. PATCH WORK SHALL COMPLY WITH THE APPLICABLE SECTIONS OF THESE SPECIFICATIONS AND SHALL MATCH THE EXISTING FINISHES.

M. UPON COMPLETION OF WORK, THE ENTIRE WIRING SYSTEM SHALL BE TESTED, AND SHALL BE SHOWN TO BE IN PROPER WORKING CONDITION IN ACCORDANCE WITH INTENT OF SPECIFICATIONS AND DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL SYSTEMS READY FOR OPERATION AND TO HAVE AN ELECTRICIAN AVAILABLE TO OPERATE SAME IN ACCORDANCE WITH AND UNDER THE SUPERVISION OF THE INSPECTION REPRESENTATIVE OF THE ENGINEER. THE CONTRACTOR SHALL BE AVAILABLE TO ASSIST IN REMOVAL OF PANEL FRONTS, ETC., TO PERMIT INSPECTION AS REQUIRED.

N. IN ACCORDANCE WITH DIVISION 1 AND THE CONDITIONS OF THE CONTRACT, THE CONTRACTOR SHALL PROVIDE AND KEEP UP TO DATE A COMPLETE RECORD SET OF CONSTRUCTION "AS-BUILTS" BLUELINE PRINTS WHICH SHALL BE CORRECTED DAILY, AND SHALL SHOW EVERY CHANGE FROM THE ORIGINAL CONTRACT DRAWINGS, INCLUDING ANTENNA AND CHANGE ORDERS IN ACCORDANCE WITH GENERAL REQUIREMENTS AND SPECIAL CONDITIONS. THIS SET OF PRINTS SHALL BE KEPT ON THE JOB SITE, AND SHALL BE USED ONLY AS A RECORD SET. THIS SHALL NOT BE CONSTRUED AS AUTHORIZATION FOR THE CONTRACTORS TO MAKE CHANGES IN THE LAYOUT WITHOUT DEFINITE INSTRUCTION IN EACH CASE.

II. ELECTRICAL SCOPE:

A. FURNISHING AND INSTALLATION OF POWER SYSTEMS, AND AUXILIARY SYSTEMS AS SHOWN OR HEREIN SPECIFIED.

B. CONNECTION OF ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTION, MENTIONED IN THIS DIVISION OR SHOWN ON DRAWINGS, WHETHER FURNISHED BY DIVISION 16 OR UNDER OTHER DIVISIONS, OR FURNISHED BY OWNER.

C. FURNISHING AND INSTALLATION OF OUTLET BOXES, CONDUIT RACEWAYS, FOR A TELEPHONE AND DATA RACEWAY DISTRIBUTION SYSTEM. (TELEPHONE AND DATA HARDWARE, AS WELL AS WIRING AND SOFTWARE IS NOT INCLUDED.)

D. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR CONTACTING THE OFFICES OF ALL LOCAL AND/OR STATE AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT IN ORDER TO SCHEDULE ALL REQUIRED INSPECTIONS AND OBTAIN ALL NECESSARY PERMITS, ETC. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ALL SCHEDULED INSPECTIONS AT LEAST TWO WEEKS IN ADVANCE OF THE SCHEDULED DATE.

E. THE CONTRACTOR SHALL REPLACE ANY DEFECTIVE MATERIALS, EQUIPMENT, OR WORKMANSHIP WITHOUT COST TO THE OWNER WITHIN THE STIPULATED GUARANTEED PERIOD.

F. IT SHALL BE THE RESPONSIBILITY OF THE DIVISION 16 CONTRACTOR TO HAVE ALL SYSTEMS READY FOR OPERATION AND TO HAVE AN ELECTRICIAN AVAILABLE FOR ALL INSPECTIONS. THE CONTRACTOR SHALL PROVIDE PERSONNEL TO ASSIST IN REMOVAL OF PANEL FRONTS, ETC. TO PERMIT INSPECTION AS REQUIRED.

G. SUBMIT TO THE ARCHITECT/ENGINEER PROMPTLY AFTER AWARD OF CONTRACT AND PRIOR TO PURCHASING, SIX COPIES OF MANUFACTURER'S SHOP DRAWINGS IN ACCORDANCE WITH DIVISION 1, SECTION 01300 – SUBMITTALS FOR THE FOLLOWING ITEMS. ALL SHOP DRAWINGS OF A SPECIFIC ITEM OR SYSTEM SHALL BE MADE IN ONE SUBMITTAL AND WITHIN TEN DAYS AFTER AWARD OF CONTRACT.

1. PANELBOARDS
2. SUPPORTS
3. WIRING DEVICES
4. DISCONNECT SWITCHES
5. CONDUIT
6. WIRE

H. COMPLETED WIRING SYSTEMS SHALL BE FREE FROM SHORT CIRCUITS AND AFTER COMPLETION, PERFORM TESTS FOR INSULATION RESISTANCE IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE. ALL WIRING SYSTEMS SHALL BE COMPLETELY AND TOTALLY "SAFED" DURING CONSTRUCTION, ONLY QUALIFIED PERSONNEL SHALL HANDLE ELECTRICAL SYSTEMS.

I. BEFORE ROUGH-IN OF CIRCUITRY OR CONNECTING TO EQUIPMENT, FURNISHED UNDER THIS DIVISION, ANY OTHER DIVISION, OR BY THE OWNER, THE CONTRACTOR SHALL VERIFY THE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF THE EQUIPMENT BEING FURNISHED AND FOR WHICH ROUGH-IN AND CONNECTION, SPECIFIED AND SHOWN ON THE DRAWINGS AND PROVIDE FOR PROPER ROUGH-IN AND CONNECTION.

J. THE ELECTRICAL CIRCUITS, COMPONENTS, AND CONTROLS FOR ALL EQUIPMENT ARE SELECTED AND SIZED, BASED ON THE EQUIPMENT SPECIFIED. IF SUBSTITUTIONS AND/OR EQUIVALENT EQUIPMENT ARE FURNISHED, IT SHALL BE THE RESPONSIBILITY OF ALL PARTIES CONCERNED, INVOLVED IN, AND FURNISHING THE SUBSTITUTE AND/OR EQUIVALENT EQUIPMENT TO VERIFY AND COMPARE THE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF THAT FURNISHED TO THAT SPECIFIED AND/OR SHOWN. IF GREATER CAPACITY IN ANY CIRCUIT IS REQUIRED FOR THE ITEM ACTUALLY FURNISHED, IN CIRCUITRY OR CONNECTIONS THAN FOR THE ITEM SPECIFIED AND PROVIDED FOR, THEN IT SHALL BE THE RESPONSIBILITY OF THE PARTIES INVOLVED IN PROVIDING THE SUBSTITUTE AND/OR EQUIVALENT ITEMS OF EQUIPMENT TO PROVIDE ALL COMPENSATION FOR ADDITIONAL CHARGES MADE FOR THE PROPER ROUGH-IN, CIRCUITRY AND CONNECTIONS FOR THE EQUIPMENT FURNISHED. NO ADDITIONAL CHARGES ABOVE THE BASE BID SHALL BE ALLOWED FOR SUCH REVISIONS.

K. EXCAVATION FOR UNDERGROUND ELECTRICAL STRUCTURES: CONFORM TO ELEVATIONS AND DIMENSIONS SHOWN WITHIN A TOLERANCE OF PLUS OR MINUS 0.10'; PLUS A SUFFICIENT DISTANCE TO PERMIT PLACING AND REMOVAL OF CONCRETE FORMWORK, INSTALLATION OF SERVICES, OTHER CONSTRUCTION, AND FOR INSPECTION.

L. TRENCHING: EXCAVATE TRENCHES FOR ELECTRICAL INSTALLATIONS AS FOLLOWS:

1. EXCAVATE TRENCHES TO THE UNIFORM WIDTH, SUFFICIENTLY WIDE TO PROVIDE AMPLE WORKING ROOM AND A MINIMUM OF 6" TO 9" CLEARANCE ON BOTH SIDES OF RACEWAYS AND EQUIPMENT.
2. EXCAVATE TRENCHES TO DEPTH INDICATED OR REQUIRED.
3. LIMIT THE LENGTH OF OPEN TRENCH TO THAT IN WHICH INSTALLATIONS CAN BE MADE AND THE TRENCH BACKFILLED WITHIN THE SAME DAY.
4. WHERE ROCK IS ENCOUNTERED, CARRY EXCAVATION BELOW REQUIRED ELEVATION AND BACKFILL WITH A LAYER OF CRUSHED STONE OR GRAVEL PRIOR TO INSTALLATION OF RACEWAYS AND EQUIPMENT. PROVIDE A MINIMUM CUSHION OF GRAVEL CUSHION BETWEEN ROCK BEARING SURFACE AND ELECTRICAL INSTALLATIONS.

M. THE CONTRACTOR SHALL PROVIDE ALL INSERTS FOR THE SUPPORT OF DIVISION 16 EQUIPMENT TO BE PLACED IN CONCRETE OR THROUGH CONCRETE SLABS AS CONSTRUCTION PROGRESSES. HE SHALL PROVIDE ALL MISCELLANEOUS HANGING AND SUPPORTING HARDWARE. ALL ELECTRICAL WORK IS TO BE CONCEALED IN OR BUILT INTO GENERAL CONSTRUCTION SHALL BE PLACED AS CONSTRUCTION PROGRESSES. FAILURE OF THE CONTRACTOR TO COORDINATE WORK WITH OTHER TRADES AND THE PROJECT CONSTRUCTION PROGRESS SHALL MAKE HIM RESPONSIBLE FOR ALL COST OF CUTTING AND PATCHING, AS REQUIRED TO INSTALL WORK. NO STRUCTURAL MEMBER, MASONRY CONSTRUCTION OR FINISHED WORK SHALL BE CUT OR ALTERED WITHOUT PRIOR WRITTEN APPROVAL BY THE ARCHITECT/ENGINEER. CONTRACTOR SHALL FIRE RATE ALL PENETRATIONS THROUGH ALL FIRE RATED SLABS OR WALLS PER THE INTENDED RATING.

N. THE CONTRACTOR SHALL SUPPLY AND SET INTO PLACE ALL WALL SLEEVES FOR CONDUITS AND CEILING INSERTS FOR HANGERS IN AREAS OF NEW CONSTRUCTION AS BUILDING CONSTRUCTION PROGRESSES. INSTALL EQUIPMENT NOTED TO BE CONCEALED IN WALLS BEFORE WALLS ARE CONSTRUCTED IN ORDER THAT WALLS MAY BE CONSTRUCTED AROUND CONDUITS, ENCLOSURES, ETC.

O. METALLIC MATERIALS SHALL BE PROTECTED AGAINST CORROSION. EQUIPMENT ENCLOSURES SHALL BE GIVEN RUST-INHIBITING TREATMENT AND STANDARD FINISH BY MANUFACTURER. ALUMINUM SHALL NOT BE USED IN CONTACT WITH EARTH, AND, WHERE CONNECTED TO DISSIMILAR METAL, SHALL BE PROTECTED BY SUITABLE FITTINGS AS FERROUS METALS SUCH AS CONDUIT, ANCHORS, BOLTS, BRACES, BOXES, BODIES, CLAMPS, FITTINGS, GUARDS, NUTS, PINS, RODS, SHIMS, THIMBLES, WASHERS, AND MISCELLANEOUS PARTS, NOT OF STAINLESS STEEL OR NONFERROUS MATERIALS, SHALL BE HOT-DIPPED GALVANIZED.

P. ALL CONDUITS STUBBED OUT FOR FUTURE USE SHALL HAVE A PULL WIRE INSTALLED, A PLASTIC CAP INSTALLED AND BE IDENTIFIED AS TO THE CONDUIT ORIGIN.

Q. THE RESPONSIBILITY FOR ANY CUTTING OF CONSTRUCTION WHICH IS REQUIRED FOR THE INSTALLATION OF DIVISION 16 WORK, SHALL BE BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AS THE OWNER BEFORE ANY CUTTING AND OBTAIN APPROVAL FROM THE ARCHITECT/ENGINEER PRIOR TO ANY CUTTING. ALL PATCHING AND FINISHING SHALL BE BY THE CONTRACTOR.

R. WHERE OPENINGS OR HOLES ARE CUT IN CONSTRUCTION AND THE CUTTING BREAKS ELECTRICAL CIRCUITRY OR CONTROL CIRCUITRY CONDUIT AND WIRING, THEN IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REROUTE THE CIRCUITRY CONDUIT AND REWIRING AND TO COMPLETE THE CIRCUITRY AS REQUIRED AND AS APPROVED BY THE ARCHITECT/ENGINEER. TEMPORARY COMPLETION SHALL BE PROVIDED WHERE NECESSARY BEFORE THE PERMANENT REROUTING AND COMPLETION WORK IS FINISHED.

S. ANY PENETRATIONS OF FIRE OR SMOKE RATED ASSEMBLIES MADE BY THIS CONTRACTOR IN VERTICAL OR HORIZONTAL CONSTRUCTION SHALL BE SEALED AND PROTECTED BY THIS CONTRACTOR IN ORDER TO MAINTAIN THE ESTABLISHED FIRE RATING WITH METHODS AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

III. IDENTIFICATION:

A. IDENTIFICATION NAMEPLATES SHALL BE LAMINATED PLASTIC, SECURED TO EQUIPMENT WITH TWO SCREWS.

B. EACH PANELBOARD AND SWITCHBOARD SHALL BE EQUIPPED WITH A PERMANENT PLASTIC NAMEPLATE WITH 1/2" MINIMUM LETTERS, SECURELY FASTENED TO THE DEVICE.

C. EACH INDIVIDUALLY MOUNTED CIRCUIT BREAKER, SWITCH, TRANSFER SWITCH, MOTOR STARTER, LIGHTING CONTACTOR, TRANSFORMER AND/OR ANY OTHER CONTROL OR PROTECTIVE DEVICE INCLUDING EQUIPMENT DISCONNECT SWITCHES SHALL BE EQUIPPED WITH A PERMANENT PLASTIC NAMEPLATE WITH 1/2" MINIMUM LETTERS.

D. PANELBOARDS SHALL HAVE TYPEWRITTEN DIRECTORIES, ALL CIRCUITS TO BE IDENTIFIED BY DEVICES SERVED AND ROOM NUMBERS (I.E., LIGHTING ROOM 216). HANDWRITTEN DIRECTORIES WILL NOT BE ALLOWED.

E. EACH JUNCTION BOX CABINET OR WIREWAY LARGER THAN 6" X 6" SHALL BE EQUIPPED WITH A
PLASTIC NAMEPLATE WITH 1/2" MINIMUM LETTERS INDICATING THE SYSTEM ENCLOSED.

F. ALL SYSTEMS JUNCTION BOXES AND CONDUIT SHALL BE COLOR CODED INSIDE AND OUTSIDE OF THE BOX PRIOR TO THE INSTALLATION OF CONDUCTORS PER THE FOLLOWING:

1. CCTV SYSTEM: GREEN
2. TELEPHONE DATA SYSTEM: BLUE
3. FIRE ALARM SYSTEM: RED

G. ENTIRE BOX INSIDE AND OUT, INCLUDING COVER, SHALL BE PAINTED PRIOR TO INSTALLING CONDUCTORS.

IV. WIRING DEVICES:

A. SWITCHES AND RECEPTACLES IN LOBBIES, CORRIDORS OR COMMERCIAL SPACES, UNFINISHED AND MECHANICAL SPACES SHALL BE 20 AMP COMMERCIAL GRADE 125 VAC, GRAY IN COLOR WITH STAINLESS STEEL COVERPLATES.

B. WEATHERPROOF RECEPTACLES SHALL BE GFCI TYPES WITH GASKETED STAINLESS STEEL KEY LOCKABLE FLIP COVER TYPE COVERPLATES. SURGE SUPPRESSION TYPE OUTLETS IN MDFS AND IDFS SHALL BE HUBBELL #83625 (BLUE) OR EQUAL.

C. RECEPTACLES PROVIDED FOR ATTACHMENT OF CORD AND PLUG EQUIPMENT SHALL BE HEAVY DUTY, SPECIFICATION GRADE, NON-INTERCHANGEABLE, FLUSH MOUNTED TYPES OF THE PROPER NEMA CONFIGURATION TO SERVE THE EQUIPMENT. NEMA CONFIGURATIONS SHALL BE VERIFIED PRIOR TO INSTALLATION OF CIRCUIT CONDUCTORS. CONTRACTOR TO PROVIDE ALL CONNECTION, WIRING, PIGTAILS FOR DISHWASHERS, COOKING RANGES, OVENS AND GARBAGE DISPOSALS.

D. ALL DEVICES SHALL HAVE PROPER PLATES, CARPET FLANGES, TRIMS, RINGS, ESCUTCHEONS, ETC., AS MANUFACTURED BY SAME MANUFACTURER AS DEVICES. ANY TELEPHONE OR OTHER OUTLET WHICH IS NOT EQUIPPED WITH A PLATE FURNISHED BY OTHERS SHALL HAVE ONE PROVIDED BY THIS CONTRACTOR. DEVICE PLATES SHALL BE COLOR AND TYPE AS SHOWN BELOW.

1. FINISHED SPACES DECORA LINE:
   a. COORDINATE EXACT COLOR WITH OWNER/ARCHITECT.
2. UNFINISHED OR INDUSTRIAL OR COMMERCIAL TYPE SPACES:
   a. GRAY DEVICES
   b. STAINLESS STEEL OR STAMPED GALVANIZED STEEL ON SURFACE MOUNTED BOXES
   c. STAINLESS STEEL PLATES ON FLUSH MOUNTED BOXES

F. MOUNTING HEIGHTS ARE APPROXIMATE. THE EXACT LOCATIONS AND MOUNTING HEIGHTS SHALL BE DETERMINED ON THE JOB AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH ALL TRADES INVOLVED. CONNECT INTERIOR EQUIPMENT, ON OR ABOVE BACK OF FINISH SURFACES, SUCH AS DRYWALL, IN BLOCK WALLS, TILE, AND OTHER SPECIFIC CONSTRUCTION FEATURES, LOCATION OF OUTLETS MOUNTED IN BUILT-INS, MILLWORK, AND CABINETRY SHALL BE VERIFIED. OUTLETS MOUNTED IN KICK OR TOE SPACES SHALL BE MOUNTED HORIZONTALLY. OUTLET BOXES SHALL BE MOUNTED TO PREVENT DEVICE PLATE FROM OVERLAPPING BACKSPLASH, TRIM, TILE, ETC. LOCATE SO DEVICE PLATE WILL LAY FLAT AGAINST SURFACE COMPLETELY AROUND THE PERIMETER OF PLATE.

G. OUTLETS, OTHER THAN THOSE COORDINATED WITH COUNTER TOPS, SHELVES, AND CABINETS, SHALL BE LOCATED WITH THE CENTER LINE OF OUTLET BOXES THE FOLLOWING DISTANCE ABOVE THE FINISHED FLOOR, UNLESS OTHERWISE INDICATED:

1. RECEPTACLES, GENERAL: 1'-6" AFF
2. TELEPHONE OUTLETS: 1'-6" AFF
3. SWITCHES, GENERAL: 4'-0" AFF

V. RACEWAYS

A. SHALL BE GALVANIZED OUTSIDE AND INSIDE BY HOT DIPPING. E.M.T. SHALL BE ELECTRO-GALVANIZED. CONDUITS SHALL BE AS MANUFACTURED BY REPUBLIC, PITTSBURGH STANDARD, WHEATLAND, TRIANGLE, ALLIED, OR YOUNGSTOWN.

B. SHALL BE STANDARD THREADED TYPE, GALVANIZED OUTSIDE AND INSIDE BY HOT DIPPING. THREADLESS COUPLING AND CLAMP TYPE NOT ACCEPTABLE. SHALL BE AS MANUFACTURED BY RACO, EFCOR, OR APPLETON.

C. SHALL BE STEEL THREADED COMPRESSION TYPE. ALL COUPLINGS AND CONNECTORS SHALL BE EFCOR OR RACO. PRESSURE INDENTED TYPE CONNECTORS OR CAST METAL WILL NOT BE APPROVED FOR ANY LOCATION.

D. CONNECTORS SHALL HAVE PLASTIC INSULATED THROAT INSERTS.

E. THE USE OF METAL CLAD CABLE IS ACCEPTABLE IN LOCATIONS AS ACCEPTED BY THE NEC AND ALL LOCAL JURISDICTIONAL CODES.

F. STEEL METAL CLAD CABLE, TYPE MC, EMPLOYING CIRCUIT CONDUCTORS #12 SOLID TO #2 AWG, SOLID OR STRANDED COPPER WITH THHN INSULATION, AN INSULATED GREEN GROUNDING CONDUCTOR AND GALVANIZED STEEL INTERLOCKED ARMOR CLADDING. THE CABLES SHALL BE SUITABLE FOR USE IN DRY LOCATIONS AT TEMPERATURES NOT EXCEEDING 90° C ON AD CIRCUITS UP TO 600 VOLTS IN ACCORDANCE WITH N.E.C., ARTICLE 330. THE CABLE SHALL BE ONE AND TWO HOUR FIRE RATED PER ANSI/UL 1479 FOR USE IN WALL, CEILING AND FLOOR ASSEMBLIES.

G. FLEXIBLE METALLIC CONDUIT RACEWAYS MAY BE USED TO CONNECT HVAC UNITS LOCATED IN INTERIOR MECHANICAL AREAS, MINIMUM SIZE 3/4".

H. CONDUIT SHALL BE SIZED IN ACCORDANCE WITH THE LATEST NATIONAL ELECTRICAL CODE EXCEPT THAT NO CONDUIT SHALL BE SMALLER THAN 3/4" UNLESS OTHERWISE NOTED. CONDUIT SHALL BE SIZED LARGER THAN REQUIRED ABOVE WHEN SO SHOWN ON THE DRAWINGS OR WHEN REQUIRED BY LOCAL CODE.

I. ANY CONDUIT STUBBED OUT FOR FUTURE SHALL BE CAPPED WITH A PLASTIC CAP AND MARKED WITH A 2" MINIMUM RED METAL TAG WHICH IDENTIFIES CONDUIT ORIGIN. CONDUITS STUBBED UP ABOVE GRADE OR ROOF SHALL BE TAGGED ON THE CONDUIT. CONDUIT STUBBED OUT BELOW GRADE SHALL BE TAGGED ON THE BUILDING WALL, CURB, ETC., DIRECTLY OVER THE CONDUIT RUN. ALL EMPTY CONDUITS SHALL HAVE PULL WIRES.

VI. SCHEDULE 40 RIGID PVC:

A. CONDUIT SHALL BE COMPOSED OF POLYVINYLCHLORIDE AND SHALL BE UL RATED TYPE 40 FOR USE WITH 90EC RATED CONDUCTORS. CONDUIT SHALL CONFORM TO NEMA STANDARDS AND APPLICABLE SECTIONS OF NEC.

B. INSTALLATION OF RIGID NON-METALLIC CONDUIT SHALL COMPLY WITH ARTICLE 352 OF THE NATIONAL ELECTRICAL CODE (NFPA 70) AND THESE SPECIFICATIONS.

C. PROVIDE A CONTINUOUS, INSULATED, GROUNDING CONDUCTOR IN EVERY RIGID, NON-METALLIC RACEWAY EVEN IF NOT SHOWN ON THE DRAWINGS. THE GROUNDING CONDUCTOR SHALL BE CONNECTED TO GROUND AT EACH END OF THE RACEWAY IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE (NFPA 70).

D. WHERE RIGID NON-METALLIC CONDUIT TRANSITIONS TO METALLIC CONDUIT, THE LOCATION OF THE TRANSITION SHALL BE UNDERGROUND.

E. NO PVC CONDUIT SHALL BE RUN EXPOSED, OR ABOVE GRADE.

VII. WIRE AND CABLE 600 VOLT:

A. CONDUCTORS SHALL HAVE CURRENT CARRYING CAPACITIES AS PER NEC AND WITH 600 VOLT INSULATION, #12 AVERAGE MINIMUM FOR 20 AMP CIRCUITS AND #14 FOR 15 AMP CIRCUITS EXCEPT FOR CONTROLS, AND FIXTURE WIRE, CONDUCTORS SHALL BE COPPER.

B. #12 AND #10 SHALL BE SOLID, TYPE THW/THWN INSULATION.

C. #8 AND LARGER, AND ANY SIZE TO MOTORS SHALL BE STRANDED TYPE THW.

D. SHALL BE MADE WITH T & B STA-KON WIRE JOINTS, PT SERIES, COMPLETE WITH INSULATING CAPS AND INSTALLED WITH WT161 TOOL OR WT2000 TOOL, IDEAL SUPER-NUTS (NOT WIRE NUTS), IDEAL WING NUTS, OR BUCHANAN ELEC. PRODUCTS B CAP OR SERIES 2000 PRES-SURE CONNECTORS COMPLETE WITH NYLON SNAP-ON INSULATORS AND INSTALLED WITH C24 PRESSURE TOOL.

E. ALL JOINTS AND SPLICES IN WIRE SHALL BE MADE WITH APPROVED SOLDERLESS CONNECTORS, AND COVERED SO THAT INSULATION IS OWNER APPROVED EQUAL TO CONDUCTOR INSULATION. SPLICES SHALL NOT BE PERMITTED IN CONTROL, SECURITY, FIRE ALARM, TELEVISION OR COMMUNICATIONS SYSTEMS, OR WHERE OTHERWISE NOTED. SPLICING OF WIRE OR CABLES WILL NOT BE ALLOWED BELOW GRADE, INCLUDING IN BOXES BELOW GRADE.

F. BOTH CONDUCTORS AND CONDUITS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET.

G. IN INSTALLING THE MAIN ELECTRICAL SERVICE, ADDITIONAL SLACK CONDUCTORS SHALL BE PROVIDED AND TERMINATED AS REQUIRED BY ELECTRIC UTILITY FOR CONNECTION TO THEIR EQUIPMENT. FIELD COORDINATE WITH UTILITY PRIOR TO INSTALLING CONDUCTORS.

H. IN INSTALLING PARALLEL CONDUCTORS IT IS MANDATORY THAT ALL CONDUCTORS MAKING UP THE FEEDER BE EXACTLY THE SAME LENGTH, THE SAME SIZE AND THE SAME TYPE OF CONDUCTOR WITH THE SAME INSULATION. FURTHER, EACH GROUP OF CONDUCTORS MAKING UP A PHASE OR NEUTRAL MUST BE BONDED AT BOTH ENDS IN AN APPROVED MANNER.

I. CONDUCTOR SIZES INDICATED ON CIRCUIT HOMERUNS OR IN PANELBOARD SCHEDULES SHALL BE INSTALLED OVER THE ENTIRE LENGTH OF THE CIRCUIT UNLESS NOTED OTHERWISE ON THE DRAWINGS.

J. CONDUCTORS SHALL BE CONTINUOUS AND UNSPLICED WHERE INSTALLED IN CONDUIT. SPLICES SHALL OCCUR ONLY WITHIN WIRING TROUGHS, WIREWAYS, JUNCTION BOXES, OUTLET BOXES, OR EQUIPMENT ENCLOSURES WHERE SUFFICIENT ADDITIONAL ROOM IS PROVIDED FOR ALL SPLICES.

K. EACH BRANCH CIRCUIT AND FEEDER CONDUCTOR SHALL BE COLOR CODED. FOR CONDUCTOR SIZES THRU NO. 6 AWG, THE INSULATION SHALL BE OF THE COLOR AS INDICATED BELOW. COLOR CODE SHALL BE STRICTLY ADHERED TO. FOR CONDUCTOR SIZES NO. 4 AWG AND LARGER, COLOR CODED PHASE TAPE MAY BE APPLIED COMPLETELY AROUND THE CONDUCTOR INSULATION WITHIN 8" OF EACH END OF THE CONDUCTOR AND IN EACH PULL OR JUNCTION BOX OR WHENEVER CONDUCTORS ARE PHYSICALLY EXPOSED TO VIEW. GROUNDING CONDUCTORS AND GROUNDED CONDUCTORS SHALL HAVE INSULATION COLOR AS INDICATED FOR SIZES THROUGH #6 AWG.
120/208 V, 3PHASE,4W

PHASE A, COLOR: BLACK
PHASE B, COLOR: RED
PHASE C, COLOR: BLUE
NEUTRAL, COLOR: WHITE
GROUND, COLOR: GREEN

VIII. GROUNDING:

A. THIS SECTION DEALS WITH THE GROUNDING OF SERVICE EQUIPMENT, TRANSFORMERS, NON-CURRENT CARRYING CONDUCTIVE SURFACES OF EQUIPMENT, METAL BUILDING, STRUCTURES AND OTHER EQUIPMENT.

B. ALL GROUNDING CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL LOCAL CODES AND REQUIREMENTS. SUCH CODES SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS AND ARE ABOVE REPROACH. INSTALLATION OF ALL GROUNDING SHALL INSURE FREEDOM FROM DANGEROUS SHOCK EXPOSURE AND SHALL PROVIDE A LOW IMPEDANCE GROUND FAULT PATH TO PERMIT OPERATION OF OVERCURRENT AND GROUND FAULT PROTECTIVE DEVICES.

C. ALL SERVICE AND EQUIPMENT GROUNDING CONDUCTORS, AND BONDING JUMPERS SHALL BE INSULATED COPPER, TYPE THHN, THWN, OR THW CONDUCTORS (UNLESS NOTED OTHERWISE) AND SHALL BE SIZED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF ARTICLES 250 AND 517 OF THE NATIONAL ELECTRICAL CODE. GROUNDING CONDUCTORS

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Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026

## ABBREVIATIONS

ABV ABOVE
ADJ ADJUSTABLE
AF AIRFOIL
AFF ABOVE FINISHED FLOOR
AHU AIR HANDLING UNIT
AP ACCESS PANEL
BAS BUILDING AUTOMATION SYSTEM
BI BACKWARD INCLINE
BLDG BUILDING
BHP BRAKE HORSEPOWER
BTUH BRITISH THERMAL UNIT PER HOUR
BDD BACKDRAFT DAMPER
CD CONDENSATE DRAIN
CFM CUBIC FEET PER MINUTE
CLG CEILING
CHW CHILLED WATER
CHWR CHILLED WATER RETURN
CHWS CHILLED WATER SUPPLY
CWR CONDENSER WATER RETURN
CWS CONDENSER WATER SUPPLY
CONC CONCRETE
CONT CONTINUOUS
CO CARBON MONOXIDE
$CO_2$ CARBON DIOXIDE
CU CONDENSING UNIT
DB DRYBULB
DWGS DRAWINGS
DX DIRECT EXPANSION
EF EXHAUST FAN
EXH EXHAUST
EA EACH
EAT ENTERING AIR TEMPERATURE
EER ENERGY EFFICIENCY RATIO
ELECT ELECTRICAL
ENT ENTERING
EQ EQUAL
EWT ENTERING WATER TEMPERATURE
FC FORWARD CURVED
FCU FAN COIL UNIT
FD FIRE DAMPER
FL FLOOR
FLEX FLEXIBLE CONNECTOR OR DUCT
FPM FEET PER MINUTE
F/S COMBINATION FIRE AND SMOKE DAMPER
FT $H_2O$ FEET WATER GAUGE
F DEGREES FAHRENHEIT
GA GAUGE
GAL GALLON
GALV GALVANIZED
GPM GALLONS PER MINUTE
H HUMIDISTAT
HP HORSEPOWER
HTWR HIGH TEMPERATURE HOT WATER RETURN
HTWS HIGH TEMPERATURE HOT WATER SUPPLY
HW HOT WATER
HWR HOT WATER RETURN
HWS HOT WATER SUPPLY
HVAC HEATING VENTILATION AND AIR CONDITIONING
HV HEATING AND VENTILATING
IN WG INCHES WATER GAUGE
KW KILOWATTS
LAT LEAVING AIR TEMPERATURE
LWT LEAVING WATER TEMPERATURE
MA MAKE-UP AIR
MAX MAXIMUM
MBH 1,000 X BTUH
MIN MINIMUM
MD MANUAL VOLUME DAMPER
M MOTORIZED DAMPER
MZ MULTI-ZONE
NTS NOT TO SCALE
OA OUTSIDE AIR
OBMVD OPPOSED BLADE MANUAL VOLUME DAMPER
PROP PROPELLER
PCR PRE-CONDITIONED AIR SYSTEM RETURN WATER
PD PRESSURE DROP
PLBG PLUMBING
PSIA POUNDS PER SQUARE INCH ABSOLUTE
PSIG POUNDS PER SQUARE INCH GAUGE
R REFRIGERANT PIPING
RA RETURN AIR
RD RADIATION DAMPER
REG REGISTER
REQ'D REQUIRED
RH RELATIVE HUMIDITY
RPM REVOLUTIONS PER MINUTE
RTU ROOFTOP UNIT
SA SUPPLY AIR
SEER2 SEASONAL ENERGY EFFICIENCY RATIO 2
SF SQUARE FOOT
SD SMOKE DETECTOR
SDMP SMOKE DAMPER
SR SUPPLY REGISTER
STR STARTER
SZ SINGLE ZONE
T THERMOSTAT
TEFC TOTALLY ENCLOSED FAN COOLED
TEMP TEMPERATURE
T/O TRANSFER OPENING ABOVE CEILING
TS TEMPERATURE SENSOR
TYP TYPICAL
VFD VARIABLE FREQUENCY DRIVE
VAV VARIABLE AIR VOLUME
VS VARIABLE SPEED
W WATTS
W/ WITH
W/O WITHOUT
WB WETBULB
ZD ZONE DAMPER

## GENERAL NOTES

1. INSTALL EQUIPMENT AND MATERIALS IN COMPLIANCE WITH MANUFACTURER'S MINIMUM CLEARANCE REQUIREMENTS AND RECOMMENDATIONS.
2. COMPLY WITH THE LATEST EDITIONS OF NFPA AND THE 8TH EDITION OF THE 2023 FLORIDA BUILDING CODE (MECHANICAL, PLUMBING, GAS AND ENERGY CONSERVATION).
3. ALL MATERIALS SHALL FIT THE SPACE AVAILABLE. VERIFY DIMENSIONS AND CLEARANCES ON BUILDING PLANS PRIOR TO COMMENCING WORK.
4. AN INDEPENDENT TEST AND BALANCE CONTRACTOR (TABC) SHALL BE HIRED BY THE GENERAL CONTRACTOR.
5. TABC IS RESPONSIBLE FOR TESTING AND BALANCING OF AIR SYSTEMS IN ACCORDANCE WITH AABC GUIDELINES. A TEST AND BALANCE REPORT SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL.
6. PROVIDE 45 DEGREE BRANCH TAKE-OFF PER SMACNA FIG. 2-8 ON ALL RECTANGULAR DUCT TAKE-OFFS.
7. ALL DUCTWORK TAKE-OFFS AND/OR BRANCH DUCTWORK SHALL BE PROVIDED WITH BALANCING DAMPERS (REMOTE IF IN HARD CEILING AREAS).
8. CONTRACT SHALL MAINTAIN ALL RATED FIRE, SMOKE AND MEMBRANE ASSEMBLIES (EVEN IF NOT NOTED ON PLANS). PROVIDE AND INSTALL FIRE/SMOKE/RADIATION DAMPERS AT ALL RATED PENETRATIONS AND PROVIDE DUCT MOUNTED HINGED ACCESS DOORS. THIS APPLIES FOR ALL FIRE/SMOKE/RADIATION DAMPERS.
9. CONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE OF EACH PIECE OF EQUIPMENT WITH THE ELECTRICAL CONTRACTOR PRIOR TO ORDERING AND SHALL COORDINATE WITH ALL OTHER TRADES PRIOR TO OR INSTALLING EQUIPMENT AND MATERIALS.
10. COORDINATE ALL HVAC SYSTEM DRAWINGS WITH EXISTING/NEW TRUSS TO AVOID INTERFERENCE BETWEEN MECHANICAL SYSTEMS AND ROOF STRUCTURE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH TRUSS INTERFERENCE THAT OCCURS DURING THE FIELD DURING CONSTRUCTION. COORDINATE IN ADVANCE. DUCT SIZES MAY BE REVISED TO FIT TRUSS SYSTEM SO LONG AS THE EQUIVALENT INSIDE CROSS SECTIONAL AREA IS NOT DECREASED.
11. GAUGES AND CONSTRUCTION FOR DUCTWORK SHALL CONFORM TO THE LATEST EDITION OF SMACNA'S HVAC DUCT CONSTRUCTION STANDARDS.
12. TRANSITION RECTANGULAR DUCTWORK ON BOTTOM AND SIDES. MAINTAIN TOP OF DUCTWORK LEVEL AND HIGH AS POSSIBLE. FLEXIBLE DUCT RUN-OUTS TO CEILING DIFFUSERS SHALL BE AS STRAIGHT AS POSSIBLE AND FREE OF SAGS AND KINKS. FLEX DUCT SHALL BE THE SAME SIZE AS THE DIFFUSER NECK IT SERVES.
13. ALL DUCT TRANSITIONS FROM SQUARE TO ROUND SHALL BE SMOOTH SQUARE TO ROUND TRANSITIONS. SPIN-IN FITTINGS AT THE END OF CAPPED DUCTS ARE NOT ACCEPTABLE. DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS.
14. THE CONTRACTOR SHALL FULFILL ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS AND SHALL COMPLETE THE WORK SHOWN ON THESE DRAWINGS. ALL SYSTEMS SHALL BE FINISHED, TESTED AND BALANCED, ADJUSTED, AND PROVEN TO BE FULLY OPERATIONAL AND USEABLE.
15. ADJUST ALL DIFFUSERS IN CORRIDORS OR WITHIN THREE (3) FEET OF A WALL TO PROVIDE 2-WAY OR 3-WAY BLOW AWAY FROM OR PARALLEL TO WALLS. ALL DIFFUSERS SHALL HAVE 4-WAY BLOW UNLESS NOTED OTHERWISE.
16. PORTIONS OF DUCTWORK VISIBLE THROUGH GRILLES AND REGISTERS IN FINISHED AREAS SHALL BE PAINTED FLAT BLACK.
17. ALL DAMPERS IN AND ABOVE CEILING SHALL BE ACCESSIBLE. CONTRACTOR SHALL COORDINATE ALL ACCESS PANELS IN CEILINGS OR WALLS WITH ARCHITECTURAL REFLECTED CEILING PLANS AND INTERIOR DRAWINGS FOR PROPER LOCATION. REMOTE DAMPERS CAN BE INSTALLED ON AIR DEVICES LOCATED WITHIN HARD CEILINGS.
18. MOUNT THERMOSTATS WHERE INDICATED ON PLANS 4'-0" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE. IN HANDICAPPED ACCESSIBLE AREAS, MOUNT CONTROLS AT 4'-0" (MAXIMUM) ABOVE FINISHED FLOOR.
19. COORDINATE DUCTWORK AND PIPING WITH PLUMBING, FIRE PROTECTION AND ELECTRICAL. MAKE OFFSETS AND TRANSITIONS TO COORDINATE WITH OTHER TRADES WITHOUT ANY ADDITIONAL EXPENSE TO THE CONTRACT.
20. SEAL ALL TRANSVERSE JOINTS AND FITTINGS WITH DUCT SEALER.
21. TRAP AND ROUTE CONDENSATE DRAINS LINES, FULL SIZE OF UNIT CONNECTION, AS INDICATED. SLOPE 1/8" PER FOOT.
22. ALTERNATE MANUFACTURERS AND MODELS WILL BE REVIEWED. THERE MAY BE ARCHITECTURAL, STRUCTURAL AND ELECTRICAL CHANGES RESULTING FROM THE ALTERNATES. THE COST OF IMPLEMENTING AND ENGINEERING THESE CHANGES SHALL BE BORNE BY THE MECHANICAL SUBCONTRACTOR.
23. PIPE AND DUCT ROUTING SHOWN IS SCHEMATIC. PROVIDE ANY ADDITIONAL OFFSETS AND FITTINGS, INCLUDING DIVIDED DUCTS, REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES AS ENCOUNTERED IN THE FIELD.
24. COORDINATE CEILING MOUNTED AIR DEVICE LOCATION WITH REFLECTED CEILING PLAN AND OTHER TRADES.
25. ALL CONTROL WIRING AND CONDUIT SHALL COMPLY WITH NEC DIVISION 16 SPECIFICATIONS.
26. PROVIDE MATERIALS WHICH HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPED RATING OF 50 OR LESS WHEN TESTED IN ACCORD WITH ASTM E84.
27. SLEEVE AND FIRE STOP PENETRATIONS THROUGH FIRE RATED SYSTEMS TO MAINTAIN RATING OF SYSTEM. USE MINIMUM GALVANIZED STEEL GAUGE DUCT AS REQUIRED TO MAINTAIN RATING OF SYSTEM.
28. WHERE DRYER EXHAUST DUCT IS CONCEALED WITHIN THE BUILDING CONSTRUCTION, IF THE EQUIVALENT LENGTH OF THE DUCT IS MORE THAN 35'-0" IT SHALL BE IDENTIFIED ON A PERMANENT LABEL OR TAG. THE LABEL OR TAG SHALL BE LOCATED WITHIN 6 FEET OF THE EXHAUST DUCT CONNECTION.
29. CONTRACTOR TO ORDER ALL FIRE/SMOKE DAMPERS WITH INTEGRAL SMOKE DETECTORS AND END STOP INDICATOR OPTIONS. VERIFY VOLTAGE WITH ELECTRICAL DRAWINGS. IF BUILDING IS EQUIPPED WITH FIRE ALARM SYSTEM ALL FIRE/SMOKE DAMPERS WILL BE CONNECTED TO BUILDING FIRE ALARM SYSTEM.
30. ALL MECHANICAL EQUIPMENT SHALL BE THOROUGHLY CLEANED OF ALL DIRT, OIL, CONCRETE, ETC. ANY DENTS, SCRATCHES OR OTHER VISIBLE BLEMISHES SHALL BE CORRECTED AND THE APPEARANCE OF THE EQUIPMENT MADE "LIKE NEW" AND TO THE SATISFACTION OF THE ARCHITECT/ENGINEER. UPON COMPLETION, AND BEFORE FINAL ACCEPTANCE OF THE WORK, ALL DEBRIS, RUBBISH, LEFTOVER MATERIALS, TOOLS AND EQUIPMENT SHALL BE REMOVED FROM THE SITE. PROTECTION OF WORK UNTIL FINAL ACCEPTANCE: PROTECT ALL MATERIALS AND EQUIPMENT FROM DAMAGE, ENTRANCE OF DIRT AND CONSTRUCTION DEBRIS FROM THE TIME OF INSTALLATION UNTIL FINAL ACCEPTANCE. ANY MATERIALS AND EQUIPMENT WHICH ARE DAMAGED SHALL BE REPAIRED TO "AS NEW" CONDITION OR REPLACED AT THE DIRECTION OF THE ARCHITECT/ENGINEER. WHERE FACTORY FINISHES OCCUR AND DAMAGE IS MINOR, FINISHES MAY BE TOUCHED UP. IF, IN THE OPINION OF THE ARCHITECT/ENGINEER THE DAMAGE IS EXCESSIVE, FACTORY FINISH SHALL BE REPLACED TO "NEW" CONDITION.
31. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT AND EXTENT OF WORK. EXACT LOCATIONS AND ARRANGEMENT OF MATERIALS AND EQUIPMENT SHALL BE DETERMINED, WITH THE ACCEPTANCE OF THE ARCHITECT/ENGINEER, AS WORK PROGRESSES TO CONFORM IN THE BEST POSSIBLE MANNER WITH THE SURROUNDINGS AND WITH THE ADJOINING WORK OF OTHER TRADES. WHERE LOCATIONS OF EQUIPMENT, DEVICES OR FIXTURES ARE CONTROLLED BY ARCHITECTURAL FEATURES, ESTABLISH SUCH LOCATIONS BY REFERRING TO DIMENSIONS ON ARCHITECTURAL DRAWINGS AND NOT BY SCALING DRAWINGS.
32. IN CASE OF DIFFERENCES BETWEEN DRAWINGS AND SPECIFICATIONS, OR WHERE DRAWINGS AND SPECIFICATIONS ARE NOT CLEAR OR DEFINITE, THE SUBJECT SHALL BE REFERRED TO ARCHITECT/ENGINEER FOR CLARIFICATION AND INSTRUCTIONS.
33. ANY INTERRUPTION OF EXISTING MECHANICAL AND ELECTRICAL SERVICES SHALL BE COORDINATED IN ADVANCE WITH THE OWNER'S REPRESENTATIVE. THIS INCLUDES, BUT IS NOT LIMITED TO, SERVICES PROVIDING CHILLED WATER, ELECTRICITY, OR OTHER CRITICAL SYSTEMS AS MAY BE PERTINENT TO THIS PARTICULAR PROJECT. SERVICE INTERRUPTION TIMES AND DURATION OF INTERRUPTION OF SERVICES SHALL BE DECIDED BY THE OWNER. PROVIDE APPROPRIATE PROVISIONS (SUCH AS ISOLATION SHUT-OFF VALVES, DAMPERS, END CAPS, AND SIMILAR ITEMS) AS NECESSARY TO ACCOMMODATE THE REQUIRED SERVICE INTERRUPTIONS. IF SHUTDOWNS CANNOT BE ACCOMMODATED, PROVIDE MEANS FOR "WET" TAPPING OR "HOT" TAPPING OF PIPING SYSTEMS.
34. ALL MAIN DUCTWORK SHOWN PER PLAN IS TO BE SHEET METAL OR DUCT BOARD. ALL DUCT BOARD INSTALLATIONS ARE TO BE APPROVED BY BUILDING OWNER PRIOR TO MATERIAL PURCHASE.
35. FIRE AND FIRE/SMOKE DAMPERS ARE REQUIRED TO BE UL LISTED AND APPROVED FOR THE ASSEMBLIES LISTED ON THE ARCHITECTURAL DRAWINGS. THESE DAMPERS MUST ALSO BE REVIEWED AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING.
36. TOTAL DEVELOPED LINESET LENGTH, INCLUDING HORIZONTAL AND VERTICAL DISTANCE, TO BE VERIFIED WITH CONDENSING UNIT MANUFACTURER PRIOR TO PURCHASE. IF CONDENSING UNIT LOCATIONS EXCEED THE MANUFACTURER'S RECOMMENDED TOTAL LINESET LENGTH VERIFY THE MANUFACTURER HAS AN OPTION TO ALLOW FOR LONG LINESETS AND PROVIDE ACCESSORIES AS REQUIRED.
37. WHERE REFRIGERANT LINES ARE INSTALLED IN STUDS, JOISTS, RAFTERS OR SIMILAR MEMBER SPACES AND LOCATED LESS THAN 6" FROM THE NEAREST EDGE OF THE MEMBER THEY MUST BE CONTINUOUSLY PROTECTED BY SHIELD PLATES PER FMC 1101.3.

## SYMBOL LEGEND

- SUPPLY DIFFUSER
- RETURN OR OUTDOOR AIR GRILLE
- EXHAUST GRILLE
- LINEAR SLOT DIFFUSER
- SIDEWALL TRANSFER GRILLE
- SIDEWALL SUPPLY REGISTER
- SIDEWALL RETURN GRILLE OR OUTSIDE AIR LOUVER
- SIDEWALL EXHAUST GRILLE
- RD — RADIATION DAMPER INSTALLED IN AIR DEVICE
- RD — RADIATION DAMPER INSTALLED IN DUCT
- SUPPLY DUCT UP SECTION (RECTANGULAR)
- RETURN DUCT UP SECTION (RECTANGULAR)
- EXHAUST DUCT UP SECTION (RECTANGULAR)
- SUPPLY DUCT DOWN SECTION (RECTANGULAR)
- RETURN DUCT DOWN SECTION (RECTANGULAR)
- EXHAUST DUCT DOWN SECTION (RECTANGULAR)
- SUPPLY DUCT UP SECTION (ROUND)
- SUPPLY DUCT DOWN SECTION (ROUND)
- EXISTING DUCTWORK TO REMAIN (LIGHT LINETYPE)
- A/B — RECTANGULAR DUCTWORK WITH TAKE-OFF, BALANCING DAMPER AND INSULATED FLEXIBLE ROUND DUCT. SAME SIZE AS DIFFUSER INLET UNLESS NOTED OTHERWISE. FIRST DIMENSION IS THAT OF SIDE SHOWN
- A — ROUND DUCTWORK
- CONICAL FITTING WITH DAMPER ON BRANCH CONNECTION TO RECTANGULAR MAIN (PROVIDE DAMPER IN LOW PRESSURE DUCTWORK ONLY)
- L=1¼W, MIN. 4" — 45° — W — RECTANGULAR BRANCH DUCT CONNECTION. (PROVIDE BALANCING DAMPER AT ALL BRANCH CONNECTIONS)
- ELBOW WITH TURNING VANES
- OPPOSED BLADE VOLUME DAMPER (OBD)
- MANUAL DAMPER
- FLEXIBLE DUCT CONNECTION
- FIRE/RADIATION DAMPER WITH ACCESS PANEL
- COMBINATION FIRE/SMOKE DAMPER WITH ACCESS PANEL (PROVIDED BY MECHANICAL, CONNECTED BY ELECTRICAL PROVIDE 120V CIRCUIT AND FIRE ALARM CONNECTION IF APPLICABLE)
- EXISTING DUCTWORK TO BE REMOVED (DASHED LINETYPE)
- DUCT MOUNTED SMOKE DETECTOR PROVIDED AND WIRED BY ELECTRICAL CONTRACTOR AND INSTALLED IN DUCT BY MECHANICAL CONTRACTOR. REFER TO SPECIFICATIONS FOR CONTROL REQUIREMENTS.
- FLEX DUCT
- OPENING IN WALL ABOVE CEILING
- TS — WALL MOUNTED TEMPERATURE SENSOR MOUNT 4'-0" ABOVE FINISHED FLOOR
- WALL MOUNTED THERMOSTAT MOUNT 4'-0" ABOVE FINISHED FLOOR
- CO — WALL MOUNTED CO SENSOR MOUNT 4'-0" ABOVE FINISHED FLOOR
- H — WALL MOUNTED HUMIDITY SENSOR MOUNT 4'-0" ABOVE FINISHED FLOOR
- $CO_2$ — WALL MOUNTED $CO_2$ SENSOR MOUNT 4'-0" ABOVE FINISHED FLOOR

- REFERENCE NOTES
- EQUIPMENT TYPE / MARK — EQUIPMENT TAG
- PHOTO DETAIL OR SECTION IDENTIFICATION TARGET A = DETAIL NUMBER B = SHEET NUMBER ON WHICH DETAIL IS LOCATED
- A-100 — AIR DEVICE TAG MARK-CFM
- UC — 1" DOOR UNDER CUT. ARROW INDICATES DIRECTION OF FLOW
- FLOW DIRECTION
- INDICATES POINT OF CONNECTION BETWEEN NEW AND EXISTING
- POINT OF DISCONNECT
- CWS — CONDENSER WATER SUPPLY PIPING
- CWR — CONDENSER WATER RETURN PIPING
- BCWS — BUILDING CONDENSER WATER SUPPLY PIPING
- BCWR — BUILDING CONDENSER WATER RETURN PIPING
- CHWS — CHILLED WATER SUPPLY PIPING
- CHWR — CHILLED WATER RETURN PIPING
- HWS — HOT WATER SUPPLY PIPING
- HWR — HOT WATER RETURN PIPING
- CD — CONDENSATE DRAIN PIPING
- R — REFRIGERANT PIPING
- FS — FLOW SENSOR
- SP — STATIC PRESSURE TRANSMITTER ASSEMBLY
- TEE (PLAN, UP, DOWN)
- ELBOW (PLAN, UP, DOWN)
- VALVE
- TWO WAY MOTORIZED CONTROL VALVE
- THREE WAY MOTORIZED CONTROL VALVE
- PRESSURE REDUCING VALVE
- FLOW CONTROL VALVE
- SHUT-OFF VALVE
- BUTTERFLY VALVE
- CHECK VALVE
- STRAINER
- BALANCE VALVE WITH INTEGRAL TAPS FOR CONNECTION OF DIFFERENTIAL PRESSURE METER. VALVE SHALL HAVE NAMEPLATE INDICATING WATER FLOW RATE VERSUS VALVE PRESSURE DROP
- A — AUTOMATIC FLOW CONTROL VALVE WITH INTEGRAL TEMPERATURE AND PRESSURE TEST PORTS
- UNION
- VENTURI FLOW METER
- PRESSURE AND/OR TEMPERATURE PORT
- THERMOMETER
- PRESSURE GAUGE WITH GAUGE COCK
- FLEXIBLE CONNECTION
- PRESSURE RELIEF VALVE

## GREEN BUILDING NGBS REQUIREMENTS (2020)

1. SECTION 701.4.1.1 (MANDATORY): HVAC LOADS HAVE BEEN CALCULATED USING AN EQUIVALENT METHOD TO ACCA MANUAL J. HVAC EQUIPMENT HAS BEEN SELECTED USING AN EQUIVALENT METHOD TO ACCA MANUAL S.
2. SECTION 701.4.2.1 (MANDATORY): DUCTS SHALL BE AIR SEALED, AND ALL MATERIALS SHALL BE IN CONFORMANCE WITH UL 181A OR UL 181B AND ARE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
3. SECTION 701.4.2.2 (MANDATORY): BUILDING CAVITIES SHALL NOT BE USED AS SUPPLY DUCTS.
4. SECTION 701.4.2.3 (MANDATORY): DUCT SIZING SHALL BE SIZED IN ACCORDANCE WITH ACCA MANUAL D OR EQUIVALENT.
5. SECTION 701.4.3.2 (MANDATORY): AIR SEALING AND INSULATION SHALL BE CONFIRMED BY EITHER THE BLOWER DOOR TESTING PROCEDURE OR THE VISUAL INSPECTION PROCEDURE AS EXPLAINED IN THE NGBS SCORECARD. ALL DUCTWORK TO BE SEALED WITH MASTIC.
6. SECTION 702.2.1 (MANDATORY FOR PERFORMANCE PATH ONLY): A DOCUMENTED ANALYSIS USING SOFTWARE IN ACCORDANCE WITH ICC IECC SECTION R405 OR C407.2-C407.5 REQUIREMENTS SHALL BE USED TO ENSURE THAT ENERGY EFFICIENT FEATURES ARE IMPLEMENTED TO ACHIEVE ENERGY COST PERFORMANCE.
7. SECTION 703.3 (HVAC EQUIPMENT EFFICIENCY OPTIONS INCLUDED IN THIS PROJECT): REFER TO NGBS SCORECARD FOR PROJECT-SPECIFIC DETAILS.
8. SECTION 703.4 (DUCT SYSTEM OPTIONS INCLUDED IN THIS PROJECT): REFER TO NGBS SCORECARD FOR PROJECT-SPECIFIC DETAILS.
9. SECTION 705.4 (MECHANICAL OPTION INCLUDED IN THIS PROJECT): PROVIDE A RETURN OR TRANSFER GRILLE IN EACH ROOM WITH A DOOR. THIS EXCLUDES BATHROOMS, KITCHENS, CLOSETS, PANTRIES, AND LAUNDRY ROOMS.
10. SECTION 705.5.2 (PERFORMANCE OPTION INCLUDED IN THIS PROJECT): CONFIRM STARTUP CHECKLIST REQUIREMENTS PER NGBS ITEMS (1)-(6).
11. SECTION 705.6.2.1 (INSTALLATION AND PERFORMANCE OPTIONS INCLUDED IN THIS PROJECT): THIRD PARTY HVAC INSPECTIONS PER REQUIREMENTS OF NGBS ITEMS (1)-(2).
12. SECTION 706.6.2.2 (AIRFLOW TESTING OPTION INCLUDED IN THIS PROJECT): PROVIDE COMPLETE TESTING AND BALANCING REPORT REQUIREMENTS PER NGBS ITEMS (1)-(2).
13. SECTION 901 (GAS BURNING APPLIANCE OPTIONS INCLUDED IN THIS PROJECT): REFER TO NGBS SCORECARD FOR MANDATORY AND OPTIONAL PROJECT-SPECIFIC REQUIREMENTS IN THIS SECTION.
14. SECTION 902.1.1(1) (MANDATORY SPOT VENTILATION): BATHROOMS SHALL BE VENTED TO THE OUTDOORS AT A MINIMUM RATE OF 50 CFM INTERMITTENTLY OR 20 CFM CONTINUOUSLY.
15. SECTION 902.1.1(2) (MANDATORY SPOT VENTILATION): CLOTHES DRYERS BE VENTED TO THE OUTDOORS.
16. SECTION 902.1.4(1) (ENERGY STAR OPTION INCLUDED IN THIS PROJECT): BATHROOM EXHAUST FANS SHALL BE ENERGY STAR RATED.
17. SECTION 902.2.3 (MERV RATING OPTION INCLUDED IN THIS PROJECT): MECHANICAL SYSTEMS TO USE A MINIMUM OF MERV 8 FILTERS IN RESIDENTIAL UNITS AND ALL COMMON AREA UNITS. MECHANICAL EQUIPMENT SHALL BE ABLE TO ACCOMMODATE ADDITIONAL PRESSURE DROP.
18. SECTION 902.3 (MANDATORY RADON CONTROL): BUILDINGS LOCATED IN RADON ZONE 1 SHALL HAVE A RADON SYSTEM INSTALLED.
19. SECTION 1002.1(3) (MANDATORY DOCUMENTATION): WARRANTY, OPERATION MANUALS, AND MAINTENANCE INSTRUCTIONS FOR ALL MECHANICAL EQUIPMENT SHALL BE PROVIDED BY CONTRACTOR.
20. SECTION 1003.1(4) (RECORD DRAWINGS OPTION INCLUDED IN THIS PROJECT): MECHANICAL RECORD DRAWINGS SHALL BE PROVIDED BY CONTRACTOR.
22. BATT INSULATION MUST BE GRADE 1. EXTERIOR WALL BATTS MUST FILL CAVITY COMPLETELY.
23. BLOWER DOOR TEST NEED TO BE 5.00 ACH50 OR LESS.
24. ALL OPTIONAL NGBS POINTS BEYOND THE ITEMS SHOWN ABOVE SHALL BE PROVIDED AS REQUIRED BY THE NGBS SCORECARD. THE NGBS SCORECARD SHOULD BE CONSIDERED PART OF THE CONSTRUCTION DOCUMENT PACKAGE.
25. PROJECT IS AN AFFORDABLE HOUSING PROJECT FUNDED BY FHFC RFA#2024-306, SEE A0.3a FOR ADDITIONAL REQUIREMENTS THAT MUST BE MET.

## ENERGY CALC VALUES

| | |
|---|---|
| ROOF: | R-38 |
| WALLS: | R-7.1 |
| WINDOWS: | |
| SHGC: | 0.25 |
| U-VALUE: | U-0.4 |
| VLT: | 0.50 |
| DOORS: | R-2.5/5.88 |
| FLOORS: | R-N/A |

## INSULATION VALUES

| MATERIAL | R-VALUE (≤ 3 STORY) | R-VALUE (≥ 4 STORY) |
|---|---|---|
| DUCTWORK (WITHIN BUILDING ENVELOPE) | R-6 | R-4.2 |
| DUCTWORK (WITHIN ATTIC) | R-8 | R-6 |
| OUTSIDE AIR DUCTWORK | R-6 | R-6 |

NOTE:
THIS PROJECT HAS BEEN DESIGNED TO MEET ENERGY EFFICIENCY REQUIREMENTS. ALL MATERIALS USED IN THE CONSTRUCTION OF THIS PROJECT MUST MEET OR EXCEED THE MINIMUM VALUES NOTED PER THE LATEST ADOPTED EDITION OF THE FLORIDA BUILDING CODE, NGBS REQUIREMENTS, AND FLORIDA ENERGY CODE.

## NOTE

ABBREVIATIONS, GENERAL NOTES AND SYMBOLS ON THIS MECHANICAL SHEET ARE FOR GENERAL REFERENCE PURPOSES ONLY. ALL OF THESE ABBREVIATIONS, GENERAL NOTES AND SYMBOLS MAY NOT BE USED FOR THIS PROJECT.

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OLD MEMORIAL
13600 National Golf Dr
Tampa, FL 33626

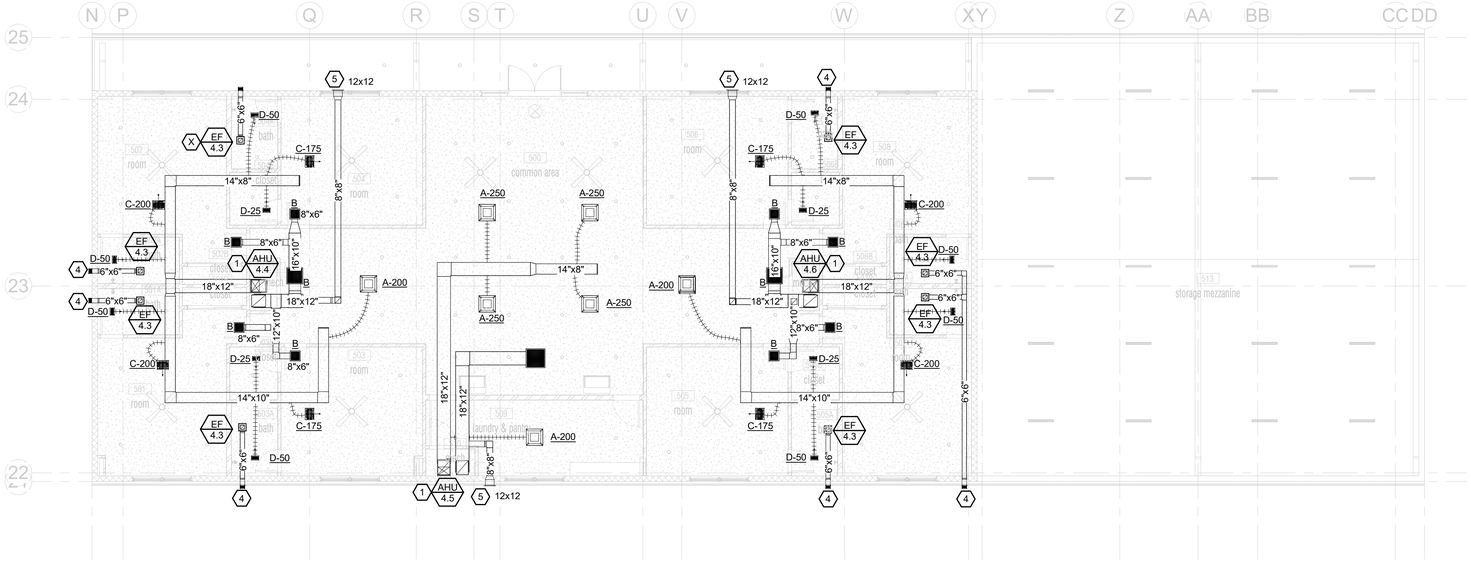
| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |

# M0.00
MECHANICAL SYMBOLS LEGEND

sheet size 24" x 36"

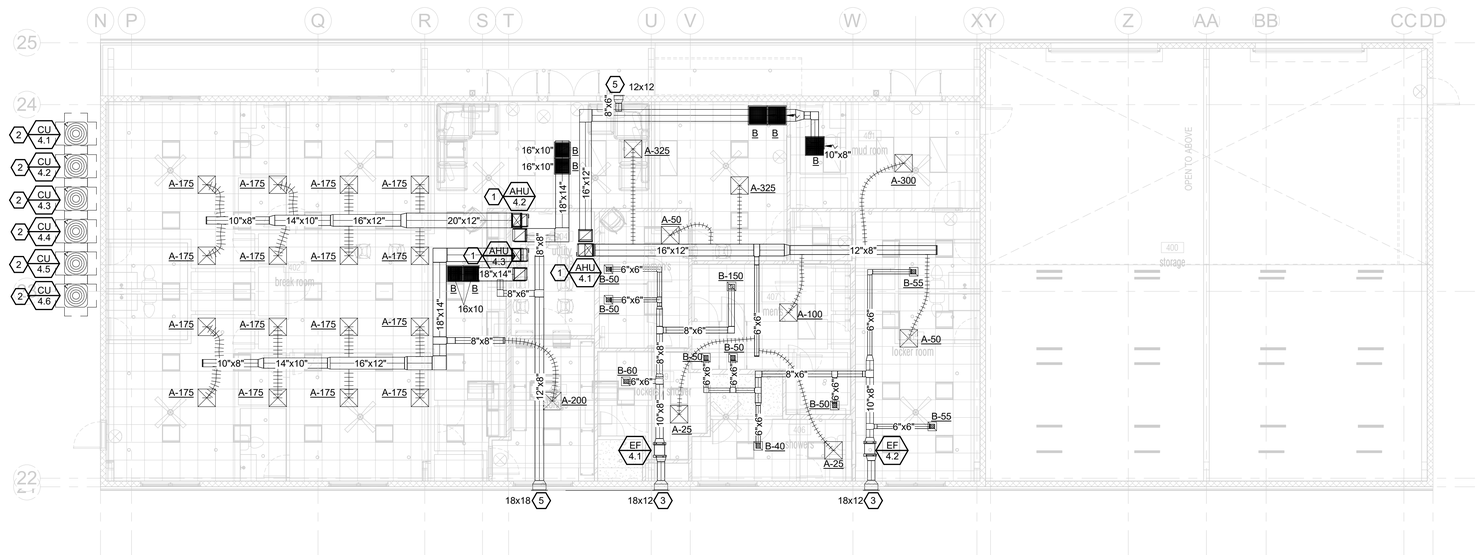
Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026




## 2 BREAKROOM AND DORMS LEVEL 2 FLOOR PLAN - MECHANICAL

1/8" = 1'-0"




## 1 BREAKROOM AND DORMS LEVEL 1 FLOOR PLAN - MECHANICAL

1/8" = 1'-0"

## GENERAL NOTES:

1. ALL WORK SHALL BE COMPLETED TO COMPLY WITH ALL APPLICABLE LOCAL AND STATE CODES AND STANDARDS.
2. PROVIDE DUCT ACCESS DOOR FOR ALL S/FDPR, SDPR AND FDPR.
3. PROVIDE A VOLUME DAMPER ON ALL BRANCH DUCTWORK AND ANY RUNOUT TO A SUPPLY DIFFUSER, RETURN GRILLE OR EXHAUST GRILLE, WHETHER SHOWN OR NOT ON THE DRAWINGS.
4. ALL VOLUME DAMPERS INSTALLED ABOVE GYPSUM BOARD CEILING SHALL HAVE A REMOTELY OPERATED DAMPER.
5. PROVIDE VOLUME DAMPERS ON EACH BATHROOM EXHAUST GRILLE.
6. THE CONTRACTOR SHALL PROVIDE THE AIRFLOWS, QUANTITIES AND GENERAL LOCATIONS OF AIR TERMINAL DEVICES AS SHOWN ON THIS PLAN. THOUGH, EXACT CEILING MOUNTED AIR TERMINAL DEVICE CEILING GRID LOCATIONS SHALL BE PER THE ARCHITECTURAL REFLECTED CEILING PLAN AND COORDINATED WITH ALL OTHER CEILING MOUNTED DEVICES PRIOR TO INSTALLATION.
7. SEE AIR DEVICE SCHEDULE FOR DIFFUSER/GRILL NECK AND/OR DUCT CONNECTION SIZES.
8. ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS. MAINTAIN ALL MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES AROUND EACH PIECE OF EQUIPMENT.
9. DO NOT LOCATE ANY MECHANICAL INTAKE (I.E. LOUVER OA INTAKE) WITHIN 10FT OF ANY MECHANICAL EXHAUST POINT/EXHAUST FAN.
9. PROTECT RATED ASSEMBLY PENETRATIONS WITH A FIRE OR SMOKE DAMPER AS IS APPROPRIATE TO RETAIN THE ASSEMBLY RATING PER CODE.
10. ALL LOUVER LOCATIONS AND ELEVATIONS SHALL BE COORDINATED WITH ARCHITECTURAL PLANS.
11. DO NOT LOCATE ROOFTOP MECHANICAL EQUIPMENT WITHIN 10FEET OF ANY ROOF EDGE.

## REFERENCE NOTES:

1. NSTALL NEW VERTICAL AHU. REFER TO AHU DETAIL FOR ADDITIONAL REQUIREMENTS. CONTRACTOR TO VERIFY EXACT LOCATION IN FIELD. PROVIDE NEW OUTSIDE AIR WALL CAP AND DUCT ROUTED AS SHOWN. BALANCE TO EACH QUANTITY SHOWN ON CALCULATION ON SHEET M3.1. REFER TO DETAILS FOR ADDITIONAL REQUIREMENTS.
2. NEW CONDENSING UNIT PLACED ON 4" TURNED DOWN HOUSEKEEPING PAD. ROUTE REFRIGERANT LINES FROM CU TO AHU WHERE SHOWN. SIZE AND INSULATE LINES PER MANUFACTURER'S INSTRUCTIONS AND COAT ANY EXPOSED EXTERIOR INSULATION WITH 2 COATS OF UV AND MOISTURE PROTECTANT.
3. PROVIDE NEW INLINE EXHAUST FAN AND ROOF CURB ASSEMBLY. CONTRACTOR SHALL VERIFY FINAL EXHAUST FAN LOCATION IS MIN. 10'-0" FROM ALL FRESH AIR INTAKES ON NEARBY RTU'S. ROUTE 14"x8" EXHAUST DUCT UP TO GRAVITY VENTILATOR, "GREENHECK GRSI-8" OR EQUAL. REFER TO DETAILS FOR ADDITIONAL REQUIREMENTS.
4. ROUTE EXHAUST DUCT FROM EXHAUST FANS TO EXTERIOR WALL CAP. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND PAINT WALL CAP TO MATCH ADJACENT SURFACE.
5. PROVIDE OUTSIDE AIR LOUVERS ON EXTERIOR WALL, EQUAL TO "RUSKIN EME520MD". INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND PAINT LOUVER TO MATCH ADJACENT SURFACE. SEE FLOOR PLANS FOR SIZES FOR LOUVERS.

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OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |

# M1.04.1

BUILDING 4 FIRST FLOOR PLAN - MECHANICAL

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4
7/20/2026

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026

## DX SPLIT SYSTEM - CONDENSING UNIT SCHEDULE (HEAT PUMP)

| UNIT NO. | SECTION BASED ON | | SERVING | UNIT DATA | | | | CONDENSER FAN MOTOR | | | | COMPRESSOR DATA | | | | | | UNIT ELECTRIC DATA | | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MANUFACTURER | MODEL | | GROSS CAP. (MBH) | EER / (SEER2) | COND. EAT F | REFRIG TYPE | QTY | HP (EACH) | VOLT | PH | QTY | STAGES | VOLT | PH | RLA (EACH) | LRA (EACH) | VOLT | PH | FLA | MCA | MOCP | |
| CU-1.1 | CARRIER | 38AXQM08 | AHU-1.1 | 90 | (16.0) | 95 | R-454B | 2 | 0.25 | 208 | 3 | 1 | 1 | 208 | 3 | 26.3 | 191 | 208 | 3 | 1.5 | 42 | 60 | ALL |

NOTES:
1.PROVIDE COMPLETE WITH PULL TYPE DISCONNECT SWITCH (PROVIDED BY DIVISION 16), TIME DELAY RELAY AND ANTI-SHORT CYCLE TIMER.
2.MOUNT AND SECURE CONDENSING UNITS PER DETAILS PROVIDED.

## DX SPLIT SYSTEM - INDOOR UNIT SCHEDULE

| UNIT NO. | SELECTION BASED ON | | FAN DATA | | | MOTOR DATA | | | COIL DATA | | | | | ELEC. HEATER DATA | | UNIT ELECTRICAL DATA | | | | | | UNIT WEIGHT | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MANUFACTURER | MODEL | TOTAL AIRFLOW (CFM) | OUTSIDE AIR (CFM) | EXT. STATIC P. (IN H20) | HP | VOLT | PH | NET COOLING CAPICITY (MBH) | NET SENSIBLE CAPICITY (MBH) | MAX CC LAT (°F) DB | HOT GAS REHEAT COIL | HOT GAS REHEAT COIL LAT (°F) DB | KW | LAT (DEG-F) | VOLT | PH | BLOWER MOTOR FLA | MCA | MOCP | | |
| AHU-1.1 | CARRIER | 40RLQA08 | 3,000 | 350 | 0.5 | 2.4 | 208 | 3 | 90 | 82 | 75 | NO | N/A | 15 | 85 | 208 | 3 | 5.8 | 52.4 | 60 | 385 | 1-3 |

NOTES:
1. PROVIDE COMPLETE WITH 7-DAY PROGRAMMABLE THERMOSTAT WITH HUMIDISTAT.
2. ROUTE AND SIZE REFRIGERANT LINES PER MANUFACTURER'S REQUIREMENTS.
3. PROVIDE INTERNAL CIRCUIT BREAKER PROTECTION OPTION.
4. PROVIDE CONDENSATE OVERFLOW SWITCH SAFE-T SWITCH MODEL SS2 OR EQUIVALENT.
5. PROVIDE WITH MOTORIZED OUTSIDE AIR DAMPER. DAMPER TO BE INTERLOCKED WITH AHU AND BALANCED PER OUTSIDE AIR SCHEDULE.
6. UNIT SHALL BE PROVIDED WITH BI-POLAR IONIZATION AIR TREATMENT SYSTEM EQUAL TO "GPS-FC48-AC". DEVICE SHALL BE PLACED IN UNIT DOWNSTREAM OF FILTER BUT UPSTREAM OF COOILING COIL, OR PER MANUFACTURER'S INSTRUCTIONS FOR DUCT MOUNTED INSTALLATION. POWER WITH 120V POWER FOR UNIT. COORDINATE WITH MANUFACTURER OF EQUIPMENT, RTU AND ELECTRICAL CONTRACTOR. SEE GPS SCHEDULE FOR ADDITIONAL REQUIREMENTS.

## DX SPLIT AIR HANDLING UNIT SCHEDULE

| MARK | LOCATION SERVED | FAN | | | | | COOLING COIL | | | FILTERS | | | ELECTRIC HEATING COIL | | | SINGLE POINT UNIT ELEC. REQ'S | | UNIT INFORMATION | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TOTAL AIR FLOW (CFM) | OUTSIDE AIR FLOW (CFM) | EXT. STATIC PRESS. (IN.WG.) | DRIVE TYPE | HP | ENT. AIR TEMP. (F° DB/WB) | LEAVING AIR TEMP. (F° DB/WB) | TOTAL CAP. (BTUH) | TYPE | EFF. % | THICK | NO. OF ST. | TOTAL KW | VOLTAGE/ PHASE | SINGLE CIRCUIT MCA | SINGLE CIRCUIT MOCP | UNIT SIZE (H"xW"xD") | OP. WEIGHT (LBS.) | MANUFACTURER | MO. NUMBER | |
| AHU-4.1 | LOCKER ROOM AREA | 2000 | - | 0.5 | DIR. | 3/4 | 80.0/67.0 | 56.0/54.0 | 60,000 | TH AWAY | 25%-30% | 1" | 1 | 7.5 | 208/1ø | 51.6 | 60 | 59"x25"x22" | 203 | CARRIER | FGSANBD60L | ALL |
| AHU-4.2 | BREAK ROOM | 1400 | - | 0.5 | DIR. | 3/4 | 80.0/67.0 | 56.0/54.0 | 42,000 | TH AWAY | 25%-30% | 1" | 1 | 7.5 | 208/1ø | 51.6 | 60 | 59"x25"x22" | 203 | CARRIER | FGSANBD60L | ALL |
| AHU-4.3 | BREAK ROOM | 1600 | - | 0.5 | DIR. | 3/4 | 80.0/67.0 | 56.0/54.0 | 48,000 | TH AWAY | 25%-30% | 1" | 1 | 7.5 | 208/1ø | 51.6 | 60 | 59"x25"x22" | 203 | CARRIER | FGSANBD60L | ALL |
| AHU-4.4 | DORM | 1200 | - | 0.5 | DIR. | 1/2 | 80.0/67.0 | 56.0/54.0 | 36,000 | TH AWAY | 25%-30% | 1" | 1 | 6.0 | 208/1ø | 40.6 | 45 | 54"x22"x22" | 146 | CARRIER | FGSANXC36L | ALL |
| AHU-4.5 | COMMON AREA | 1200 | - | 0.5 | DIR. | 1/2 | 80.0/67.0 | 56.0/54.0 | 36,000 | TH AWAY | 25%-30% | 1" | 1 | 6.0 | 208/1ø | 40.6 | 45 | 54"x22"x22" | 146 | CARRIER | FGSANXC36L | ALL |
| AHU-4.6 | DORM | 1200 | - | 0.5 | DIR. | 1/2 | 80.0/67.0 | 56.0/54.0 | 36,000 | TH AWAY | 25%-30% | 1" | 1 | 6.0 | 208/1ø | 40.6 | 45 | 54"x22"x22" | 146 | CARRIER | FGSANXC36L | ALL |

NOTES:
1. PROVIDE COMPLETE WITH 7-DAY PROGRAMMABLE THERMOSTAT/HUMIDISTAT (ECOBEE) AND REMOTE TEMPERATURE SENSORS AS SHOWN.
2. ROUTE AND SIZE REFRIGERANT LINES PER MANUFACTURER'S REQUIREMENTS.
3. PROVIDE INTERNAL CIRCUIT BREAKER PROTECTION OPTION.
4. PROVIDE CONDENSATE OVERFLOW SWITCH SAFE-T SWITCH MODEL SS2 OR EQUIVALENT.
5. PROVIDE WITH MOTORIZED OUTSIDE AIR DAMPER. DAMPER TO BE INTERLOCKED WITH AHU AND BALANCED PER OUTSIDE AIR SCHEDULE.
6. UNIT SHALL BE PROVIDED WITH BI-POLAR IONIZATION AIR TREATMENT SYSTEM EQUAL TO "GPS-FC48-AC". DEVICE SHALL BE PLACED IN UNIT DOWNSTREAM OF FILTER BUT UPSTREAM OF COOILING COIL, OR PER MANUFACTURER'S INSTRUCTIONS FOR DUCT MOUNTED INSTALLATION. POWER WITH 120V POWER FOR UNIT. COORDINATE WITH MANUFACTURER OF EQUIPMENT, RTU AND ELECTRICAL CONTRACTOR. SEE GPS SCHEDULE FOR ADDITIONAL REQUIREMENTS.

## DX SPLIT CONDENSING UNIT SCHEDULE (HEAT PUMP)

| MARK | LOCATION | COMPRESSOR | | | COND. FANS | | ELECTRICAL | | | | | | | | UNIT INFORMATION | | MANUFACTURER | MODEL NUMBER | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OUTDOOR DESIGN TEMP. (F°) | QTY. | CAP. STEPS % | QTY. | NOM. HP | VOLT/ PHASE | COMP. RLA EACH | COND. FANS QTY. | COND. FANS FLA (EA.) | MCA | MOCP | SEER2 | HSPF2 | UNIT SIZE (H"xW"xD") | OP. WEIGHT (LBS.) | | | |
| CU-4.1 | GROUND | 95° | 1 | 100 | 1 | 1/4 | 208/1ø | 23.7 | 1 | 1.50 | 31.1 | 50 | 15.2 | 7.8 | 28"x32"x32" | 233 | CARRIER | GH5SAN560 | ALL |
| CU-4.2 | GROUND | 95° | 1 | 100 | 1 | 1/4 | 208/1ø | 23.7 | 1 | 1.50 | 31.1 | 50 | 15.5 | 7.8 | 28"x32"x32" | 233 | CARRIER | GH5SAN560 | ALL |
| CU-4.3 | GROUND | 95° | 1 | 100 | 1 | 1/4 | 208/1ø | 23.7 | 1 | 1.50 | 31.1 | 50 | 15.5 | 7.8 | 28"x32"x32" | 233 | CARRIER | GH5SAN560 | ALL |
| CU-4.4 | GROUND | 95° | 1 | 100 | 1 | 1/4 | 208/1ø | 22.4 | 1 | 1.40 | 29.4 | 50 | 15.5 | 7.8 | 28"x32"x32" | 231 | CARRIER | GH5SAN548 | ALL |
| CU-4.5 | GROUND | 95° | 1 | 100 | 1 | 1/4 | 208/1ø | 22.4 | 1 | 1.40 | 29.4 | 50 | 15.5 | 7.8 | 28"x32"x32" | 231 | CARRIER | GH5SAN548 | ALL |
| CU-4.6 | GROUND | 95° | 1 | 100 | 1 | 1/4 | 208/1ø | 22.4 | 1 | 1.40 | 29.4 | 50 | 15.5 | 7.8 | 28"x32"x32" | 231 | CARRIER | GH5SAN548 | ALL |

NOTES:
1. PROVIDE COMPLETE WITH PULL TYPE DISCONNECT SWITCH (PROVIDED BY DIVISION 16) TIME DELAY RELAY AND ANTI-SHORT CYCLE TIMER.
2. TOTAL DEVELOPED LINESET LENGTH, INCLUDING HORIZONTAL AND VERTICAL DISTANCE, TO BE VERIFIED WITH CONDENSING UNIT MANUFACTURER PRIOR TO PURCHASE. IF CONDENSING UNIT LOCATIONS EXCEED THE MANUFACTURER'S RECOMMENDED TOTAL LINESET LENGTH VERIFY THE MANUFACTURER HAS AN OPTION TO ALLOW FOR LONG LINESETS AND PROVIDE ACCESSORIES AS REQUIRED.
3. MOUNT AND SECURE CONDENSING UNITS PER DETAILS PROVIDED.

## EXHAUST FAN SCHEDULE

| MARK | MANUFACTURER | MODEL | SERVING | TYPE | CFM | EXTERNAL STATIC PRESSURE (IN. W.G.) | SONES | FAN RPM | MOTOR DATA | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | HP\(WATTS) | RPM | VOLT | PH | |
| EF-1.1 | GREENHECK | CSP-A510-VG | GRINDING ROOM | CABINET | 500 | 0.5 | 0.8 | 1369 | 1/6 | 1800 | 120 | 1 | 1,2,3,7,8 |
| EF-1.2 | GREENHECK | SQ-A90 | RESTROOMS | CABINET | 70 | 0.5 | 0.8 | 900 | (15) | 1200 | 120 | 1 | 1,2,3,7,8 |
| EF-1.3 | GREENHECK | SQ-A90 | RESTROOMS | CABINET | 70 | 0.5 | 0.8 | 900 | (15) | 1200 | 120 | 1 | 1,2,3,7,8 |
| EF-3.1 | GREENHECK | BAER-36-03-0310 | DRY STORAGE | WALL MOUNTED | 550 | 0.5 | 29 | 1017 | 1.5 | 1200 | 120 | 1 | 1,2,3,7,8 |
| EF-3.2 | GREENHECK | BAER-36-03-0910 | CHEMICAL STORAGE | WALL MOUNTED | 1700 | 0.5 | 27 | 737 | 1 | 1200 | 120 | 1 | 1,2,3,7,8 |
| EF-4.1 | GREENHECK | CSP-A510-VG | RESTROOMS/LOCKER ROOM | INLINE | 310 | 0.5 | 0.8 | 1144 | 1/6 | 1800 | 120 | 1 | 1,2,3,7,8 |
| EF-4.2 | GREENHECK | CSP-A510-VG | RESTROOMS/LOCKER ROOM | INLINE | 300 | 0.5 | 0.8 | 1144 | 1/6 | 1800 | 120 | 1 | 1,2,3,7,8 |
| EF-4.3 | GREENHECK | SQ-A90 | RESTROOMS | CABINET | 70 | 0.5 | 0.8 | 900 | (15) | 1200 | 120 | 1 | 1,2,3,7,8 |

REMARKS:
1 PROVIDE WITH BACKDRAFT DAMPER
2 PROVIDE WITH DISCONNECT SWITCH
3 PROVIDE WITH SCR SPEED CONTROLLER OR POTENTIOMETER DIAL FOR ECM MOTORS.
4 PROVIDE WITH ROOF CURB
5 SPARK/EXPLOSION PROOF
6 PROVIDE WITH INSULATED HOUSING FOR SOUND CONTROL.
7 PROVIDE WITH VIBRATION ISOLATORS. HANG USING VIBRATION ISOLATION HANGERS
8 FAN SHALL TIE INTO RESTROOM LIGHT SWITCH/OCCUPANCY SENSOR.

GENERAL: 1. ALL ROOF MOUNTED FANS MUST HAVE A FLORIDA PRODUCT APPROVAL NUMBER.

## VENTILATION REQUIREMENT SCHEDULE - OFFICE

| SERVED BY | ROOM | SPACE TYPE | NO. OF PEOPLE | REQ'D CFM PER PERSON | SQ.FT. OF AREA | REQ'D CFM PER SQ.FT. | NO. OF PEOPLE/ 1000 SQ.FT. (DEFAULT VALUE) | CFM/ PERSON (DEFAULT VALUE) | TOTAL REQ'D CFM |
|---|---|---|---|---|---|---|---|---|---|
| AHU-4.1 | CORRIDOR AREA | CORRIDORS | 5 | 0 | 320 | 0.06 | 0 | 0 | 19 |
| | LOCKER ROOM | NONE | 10 | 0 | 424 | 0 | 0 | 0 | 0 |
| | LOCKER/SHOWER | NONE | 5 | 0 | 150 | 0 | 0 | 0 | 0 |
| | MUD ROOM | MAIN ENTRY LOBBIES | 5 | 5 | 256 | 0.06 | 10 | 11 | 41 |
| | | | | | | | | TOTAL REQ'D OA FOR AHU-4.1 | 60 |
| | | | | | | | | TOTAL PROVIDED OA FOR AHU-4.1 | 100 |
| AHU-4.2 | BREAK ROOM | BREAK ROOM | 25 | 5 | 990 | 0.06 | 70 | 13 | 185 |
| | | | | | | | | TOTAL REQ'D OA FOR AHU-4.2 | 185 |
| | | | | | | | | TOTAL PROVIDED OA FOR AHU-4.2 | 200 |
| AHU-4.3 | BREAK ROOM | BREAK ROOM | 25 | 5 | 990 | 0.06 | 70 | 13 | 185 |
| | UTILITY | STORAGE ROOMS | 4 | 0 | 130 | 0.12 | 0 | 0 | 16 |
| | STORAGE | STORAGE ROOMS | 4 | 0 | 160 | 0.12 | 0 | 0 | 19 |
| | | | | | | | | TOTAL REQ'D OA FOR AHU-4.3 | 220 |
| | | | | | | | | TOTAL PROVIDED OA FOR AHU-4.3 | 225 |
| AHU-4.4 | DORM 1 | BEDROOM/LIVING ROOM | 2 | 5 | 320 | 0.06 | 10 | 11 | 30 |
| | DORM 2 | BEDROOM/LIVING ROOM | 2 | 5 | 320 | 0.06 | 10 | 11 | 30 |
| | DORM 3 | BEDROOM/LIVING ROOM | 2 | 5 | 314 | 0.06 | 10 | 11 | 29 |
| | DORM 4 | BEDROOM/LIVING ROOM | 2 | 5 | 314 | 0.06 | 10 | 11 | 29 |
| | COMMON AREA | CORRIDORS | 2 | 0 | 260 | 0.06 | 0 | 0 | 16 |
| | | | | | | | | TOTAL REQ'D OA FOR AHU-4.4 | 134 |
| | | | | | | | | TOTAL PROVIDED OA FOR AHU-4.4 | 150 |
| AHU-4.5 | COMMON AREA | LOBBIES | 20 | 5 | 1045 | 0.06 | 150 | 5 | 163 |
| | | | | | | | | TOTAL REQ'D OA FOR AHU-4.5 | 163 |
| | | | | | | | | TOTAL PROVIDED OA FOR AHU-4.5 | 175 |
| AHU-4.6 | DORM 5 | BEDROOM/LIVING ROOM | 2 | 5 | 314 | 0.06 | 10 | 11 | 29 |
| | DORM 6 | BEDROOM/LIVING ROOM | 2 | 5 | 314 | 0.06 | 10 | 11 | 29 |
| | DORM 7 | BEDROOM/LIVING ROOM | 2 | 5 | 320 | 0.06 | 10 | 11 | 30 |
| | DORM 8 | BEDROOM/LIVING ROOM | 2 | 5 | 320 | 0.06 | 10 | 11 | 30 |
| | COMMON AREA | CORRIDORS | 2 | 0 | 258 | 0.06 | 0 | 0 | 15 |
| | | | | | | | | TOTAL REQ'D OA FOR AHU-4.6 | 133 |
| | | | | | | | | TOTAL PROVIDED OA FOR AHU-4.6 | 150 |
| | | | | | | | | TOTAL REQUIRED | 552 |
| | | | | | | | | TOTAL PROVIDED | 450 |

NOTE:
REQUIRED OUTSIDE AIRFLOW (CFM) VALUES BASED ON FBCM 8TH ED. (2023) & ANSI/ASHRAE STANDARD 62.1.

| BUILDING AIR BALANCE | |
|---|---|
| TOTAL OUTSIDE AIR | 450 |
| TOTAL EXHAUST AIR | 170 |
| TOTAL BUILDING PRESSURE | 280 |

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OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |
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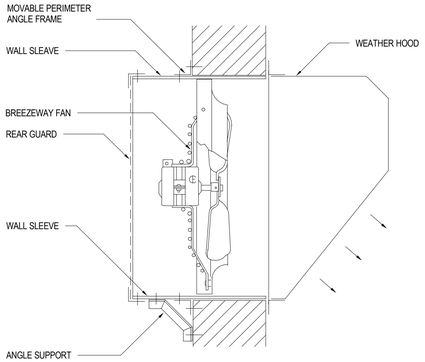
M4.01

SCHEDULES-
MECHANICAL

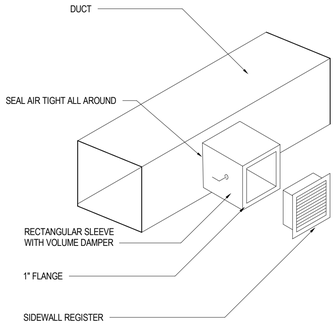
sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

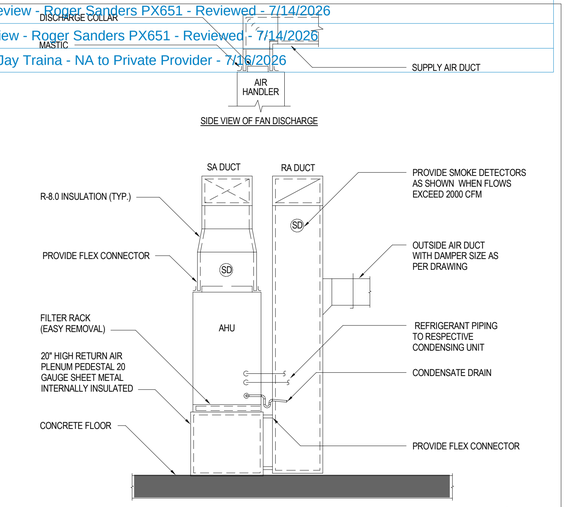
Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026



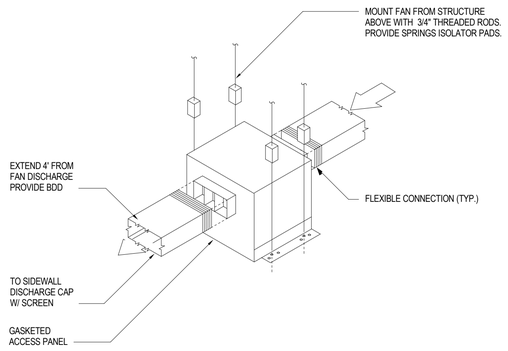

## WALL MOUNTED BREEZEWAY FAN DETAIL | I



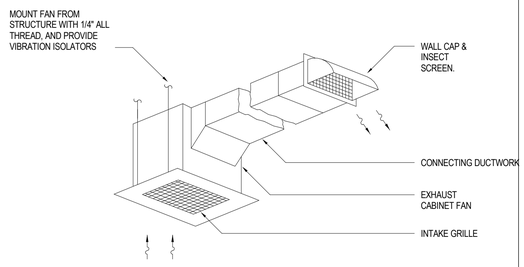

## SIDEWALL GRILLE DUCT CONNECTION | F



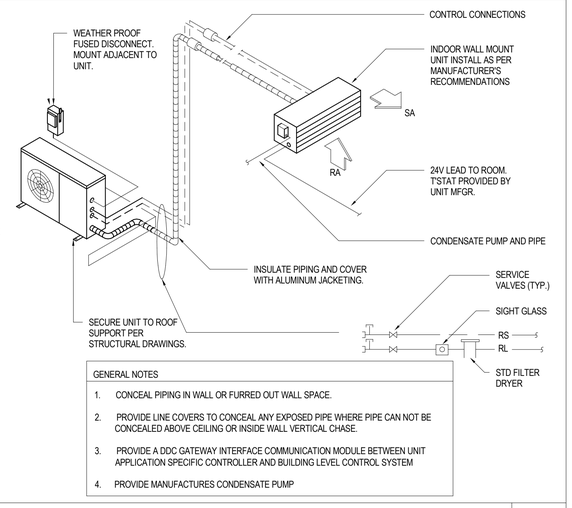

## VERTICAL AIR HANDLER DIAGRAM | C




## IN-LINE CEILING EXHAUST FAN DETAIL | H



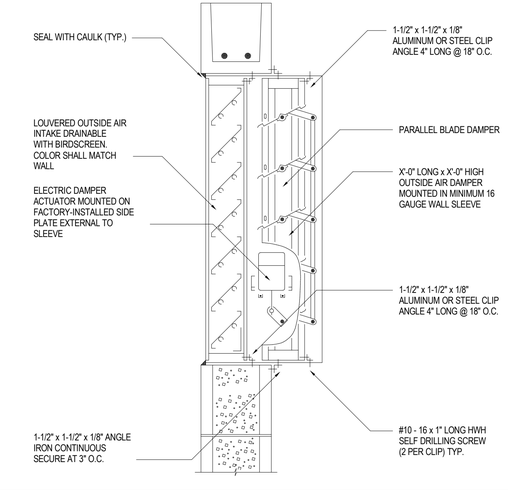

## CEILING EXHAUST FAN DETAIL | E



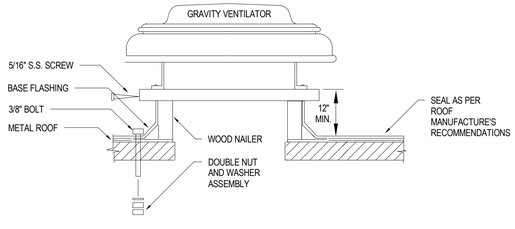

GENERAL NOTES

1. CONCEAL PIPING IN WALL OR FURRED OUT WALL SPACE.
2. PROVIDE LINE COVERS TO CONCEAL ANY EXPOSED PIPE WHERE PIPE CAN NOT BE CONCEALED ABOVE CEILING OR INSIDE WALL VERTICAL CHASE.
3. PROVIDE A DDC GATEWAY INTERFACE COMMUNICATION MODULE BETWEEN UNIT APPLICATION SPECIFIC CONTROLLER AND BUILDING LEVEL CONTROL SYSTEM
4. PROVIDE MANUFACTURES CONDENSATE PUMP

## DUCTLESS AIR CONDITIONER UNIT DETAIL | B



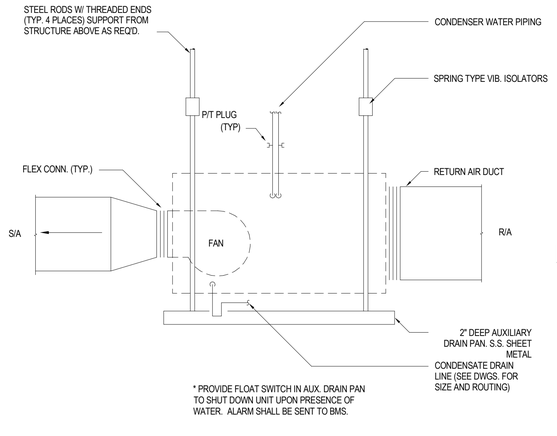

## OUTSIDE AIR LOUVER W/MOTORIZED DAMPER | G




GENERAL NOTES

1. ANCHOR CURB TO ROOF STRUCTURE WITH 3/8" BOLTS, DOUBLE NUT AND WASHER ASSEMBLY. PROVIDE BOLTS AT 12" ON CENTER OR A MINIMUM OF 3 PER SIDE.
2. ANCHOR GRAVITY VENTILATOR TO CURB WITH 5/16" S.S. SCREWS THROUGH WOOD NAILER AT 12" ON CENTER OR A MINIMUM OF 3 PER SIDE.
3. COORDINATE CURB HEIGHT WITH ROOF INSULATION. PROVIDE 12" MINIMUM HEIGHT ABOVE ROOF.
4. INSTALL AS PER ROOF MANUFACTURER'S RECOMMENDATIONS, FPA AND/OR FBC - MIAMI DADE NOA NUMBER RATING DETAILS.
5. PROVIDE ROOF CURBS CONFORMING TO PITCHED ROOF AS NECESSARY.
6. INSTALL AS ROOF MANUFACTURER'S RECOMMENDATIONS AND DETAILS TO MEET ALL WIND LOADING REQUIREMENTS. ON ANY DISCREPANCIES BETWEEN THIS DETAIL AND THE MANUFACTURE'S INSTALLATION INSTRUCTIONS, THE MANUFACTURE'S WIND LOADING DETAILS SHALL BE USED.
7. PRODUCT SHALL BE FLORIDA PRODUCT APPROVED.

## GRAVITY VENTILATOR DETAIL | D




* PROVIDE FLOAT SWITCH IN AUX. DRAIN PAN TO SHUT DOWN UNIT UPON PRESENCE OF WATER. ALARM SHALL BE SENT TO BMS.

## HORIZONTAL AHU DETAIL | A

LAFATE WILSON
architects

1030 arlington ave n, st petersburg fl 33705
(727) 490-9483
studio@lafatewilson.com

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# OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |
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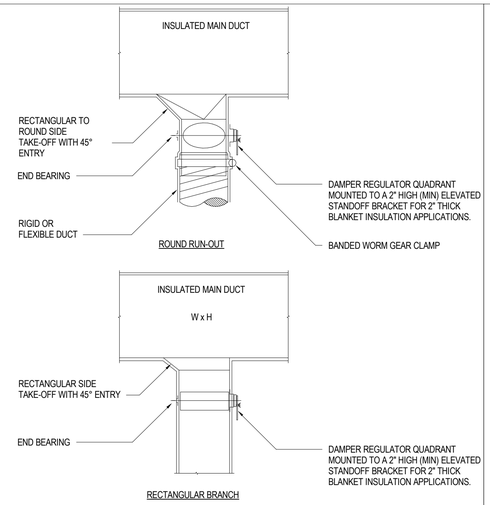
# M6.01

## DETAILS - MECHANICAL

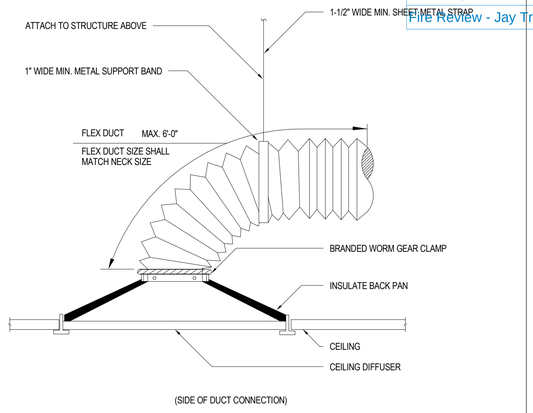
sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

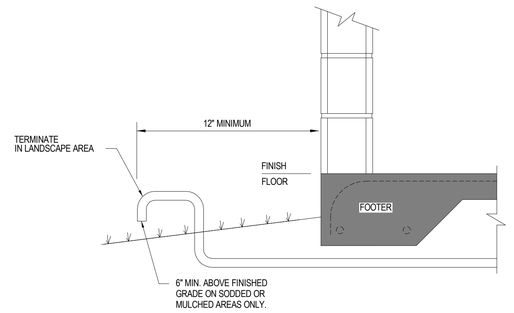
Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026



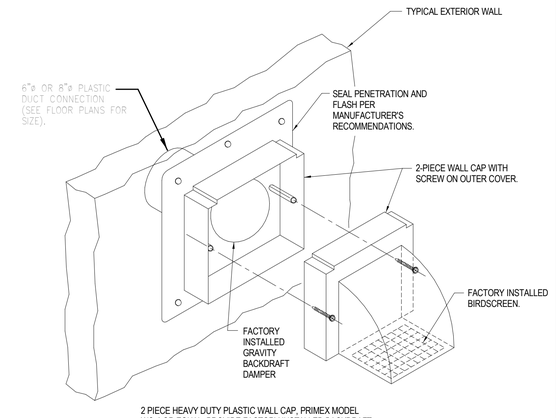

## BRANCH TAKE-OFFS | I




## TYPICAL SUPPLY DIFFUSER CONNECTION | F

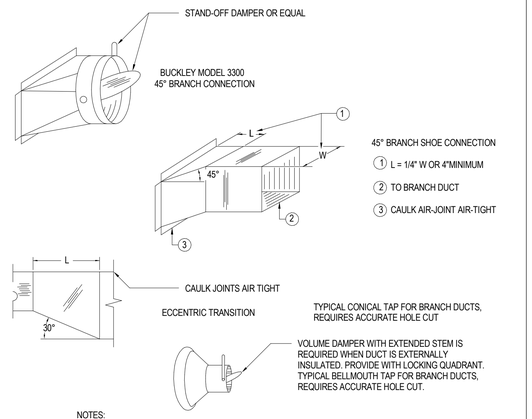



## CONDENSATE DISCHARGE TERMINATION DETAIL | C




2 PIECE HEAVY DUTY PLASTIC WALL CAP, PRIMEX MODEL WC-4 OR EQUAL. PROVIDE FACTORY INSTALLED BACKDRAFT DAMPER FOR DRYER VENT AND RESTROOM EXHAUST FANS. REMOVE BACKDRAFT DAMPER FOR USE AS OUTSIDE AIR INTAKE. FOR DRYER APPLICATIONS USE THE NO BIRD SCREEN (NS) MODEL. PAINT TO OWNERS SPEC.

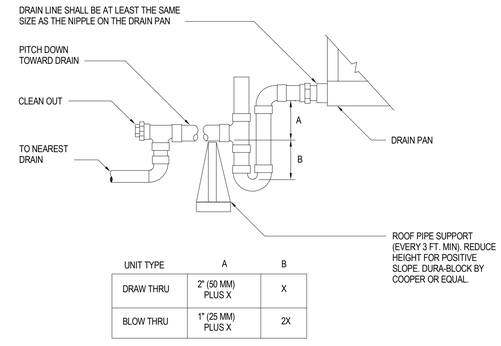
## TYPICAL WALL CAP DETAIL | H




NOTES:

1. CROWN 3210-DS2 OR EQUIVALENT. (3300-DS2 FOR 45 DEG TAKE-OFF).
2. WINGNUT ON SHAFT IS UNACCEPTABLE. WINGNUT MUST RIDE ON LOCKING QUADRANT.
3. GASKET MATERIAL ON OUTBOARD FLANGE.
4. MUST MEET SMACNA GAUGE STANDARDS AND 2" W.G. PRESSURE.
5. CONTINUOUS WELD LONGITUDINAL SEAM FOR NO LEAKAGE AT 2" W.G. STATIC PRESSURE.

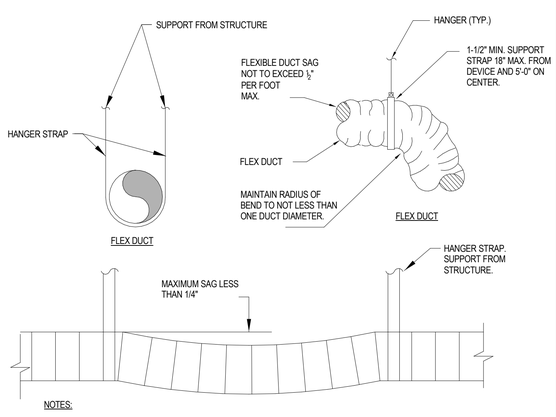
## TAKEOFF FITTING DETAIL | E




| UNIT TYPE | A | B |
|---|---|---|
| DRAW THRU | 2" (50 MM) PLUS X | X |
| BLOW THRU | 1" (25 MM) PLUS X | 2X |

WHERE X = STATIC PRESSURE IN PAN

## AIR HANDLING UNIT DRAIN TRAP DETAIL | B



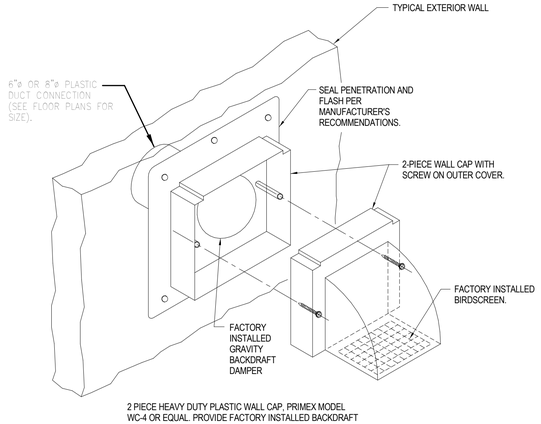

NOTES:

MAXIMUM SPACING BETWEEN HANGER LOCATIONS SHALL BE 5'-0".

STRAPS SHALL BE MINIMUM 1-1/2".

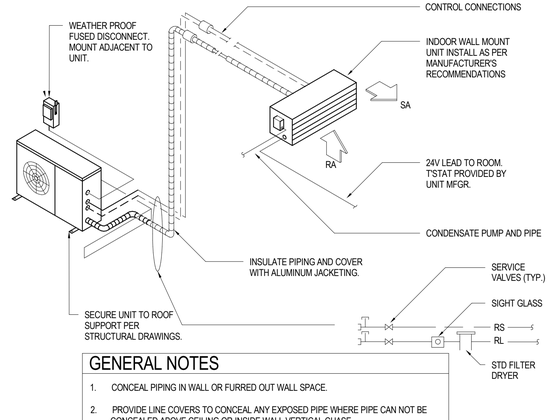
REFER TO SMACNA AND FLORIDA MECHANICAL CODE FOR ADDITIONAL REQUIREMENTS.

## FLEX DUCT HANGAR DETAIL | G




2 PIECE HEAVY DUTY PLASTIC WALL CAP, PRIMEX MODEL WC-4 OR EQUAL. PROVIDE FACTORY INSTALLED BACKDRAFT DAMPER FOR DRYER VENT AND RESTROOM EXHAUST FANS. REMOVE BACKDRAFT DAMPER FOR USE AS OUTSIDE AIR INTAKE. FOR DRYER APPLICATIONS USE THE NO BIRD SCREEN (NS) MODEL. PAINT TO OWNERS SPEC.

## TYPICAL WALL CAP DETAIL | D




### GENERAL NOTES

1. CONCEAL PIPING IN WALL OR FURRED OUT WALL SPACE.
2. PROVIDE LINE COVERS TO CONCEAL ANY EXPOSED PIPE WHERE PIPE CAN NOT BE CONCEALED ABOVE CEILING OR INSIDE WALL VERTICAL CHASE.
3. PROVIDE A DDC GATEWAY INTERFACE COMMUNICATION MODULE BETWEEN UNIT APPLICATION SPECIFIC CONTROLLER AND BUILDING LEVEL CONTROL SYSTEM
4. PROVIDE MANUFACTURES CONDENSATE PUMP

## DUCTLESS AIR CONDITIONER UNIT DETAIL | A

LAFATE WILSON
architects

1030 arlington ave n, st petersburg fl 33705
(727) 490-9483
studio@lafatewilson.com

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# OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |
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# M6.02

## DETAILS - MECHANICAL

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
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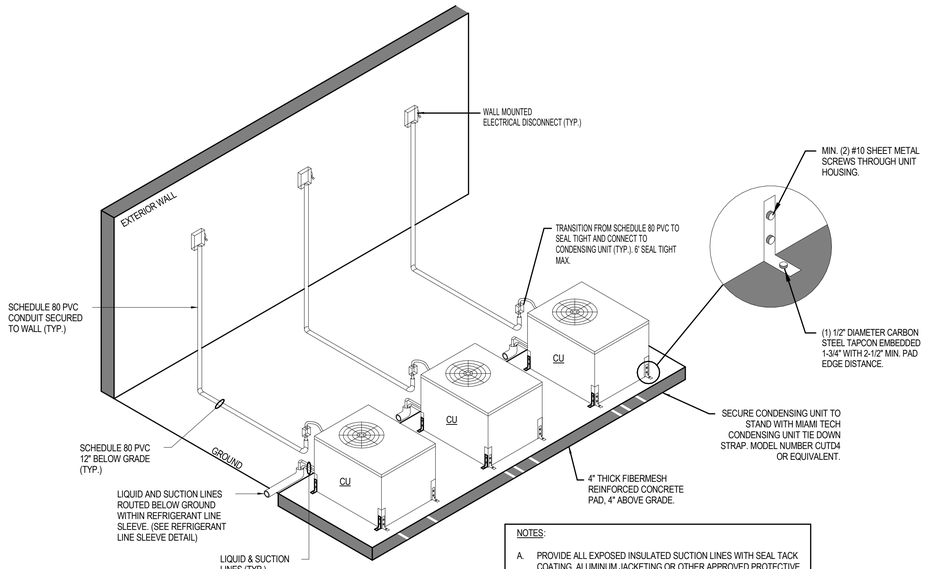
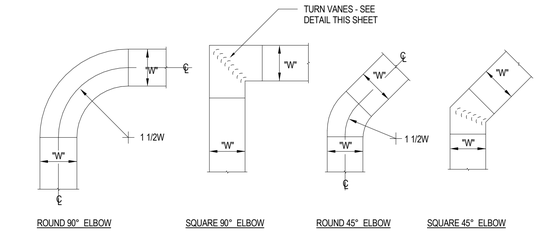
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026

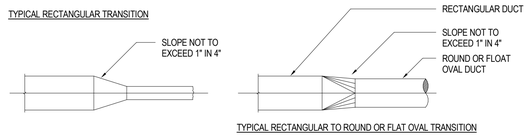


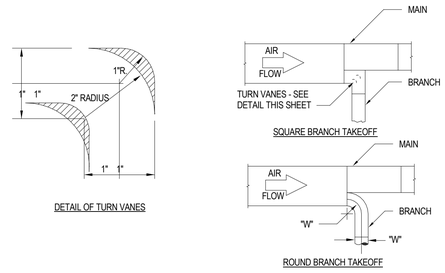

NOTES:

A. PROVIDE ALL EXPOSED INSULATED SUCTION LINES WITH SEAL TACK COATING, ALUMINUM JACKETING OR OTHER APPROVED PROTECTIVE MEANS.
B. CONTROL THERMOSTAT WIRING TO BE WRAPPED NEATLY AROUND LIQUID LINE AND INSULATED SUCTION LINE.

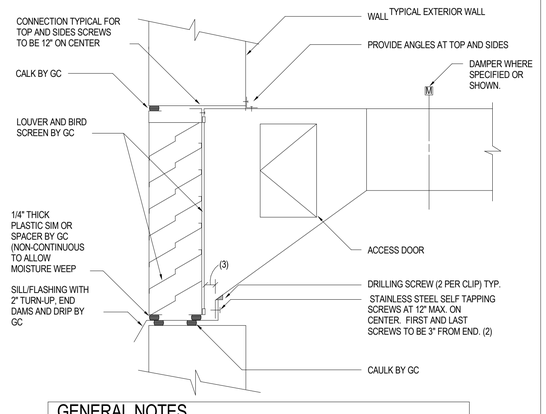
GROUND MOUNTED CONDENSING UNIT PIPING DETAIL (REFRIGERANT AND ELECTRICAL BELOW GRADE. C




DUCT FITTINGS DETAIL B




GENERAL NOTES

1. PLENUM CONNECTION TO LOUVER IS SIMILAR.
2. BOTTOM OF DUCT TO BE COMPLETELY OVERLAPPED WITH TURN-UP. DRILL TURN-UP PRIOR TO INSTALLING SELF TAPPING SCREW TO ENSURE DUCT IS DRAWN TIGHT TO TURN UP.
3. MINIMUM 1" SCREW CONNECTION CLEARANCE.

DUCT CONNECTION TO LOUVER A

LAFATE WILSON
architects

1030 arlington ave n, st petersburg fl 33705
(727) 490-9483
studio@lafatewilson.com

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M6.03

DETAILS - MECHANICAL

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
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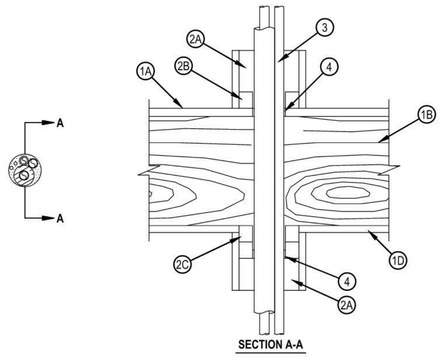
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026

## System No. F-C-8014

**F Rating — 1 Hr**
**T Rating — 0 Hr**

FC 8014




SECTION A-A

1. Floor — Ceiling Assembly — The 1 hr fire-rated wood joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory, as summarized below:
   A. Floor System — Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture* as specified in individual Floor-Ceiling Design. Max diam of floor opening is 3 in.
   B. Joists — Nom 10 in. deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members* with bridging as required and with end firestopped.
   C. Gypsum Board* — Nom 5/8 in. thick as specified in the individual Floor-Ceiling Design. Max diam of openings is 3 in.
2. Chase Wall — (Optional) - The through penetrant (Item 3) may be routed through a 1 hr fire-rated single, double or staggered wood stud/gypsum wallboard chase wall shall be constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Nom 2 by 6 in. or double nom 2 by 4 in. lumber studs.
   B. Sole Plate — Nom 2 by 6 in. or parallel 2 by 4 in. lumber plates, tightly butted.
   C. Top Plate — The double top plate shall consist of two nom 2 by 6 in. or two sets of parallel 2 by 4 in. lumber plates, tightly butted. Max diam of openings is 3 in.
   D. Gypsum Board* — Thickness, type, number of layers and fasteners shall be as specified in the individual Wall and Partition Design.

Hilti Firestop Systems

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Page: 1 of 2

## System No. F-C-8014

**F Rating — 1 Hr**
**T Rating — 0 Hr**

FC 8014

3. Through-Penetrants — Pipes, conduits, tubing and cables to be bundled and centered in the opening. The space between penetrants and the periphery of the opening shall be min 1/4 in. to max 3/4 in. Penetrants to be rigidly supported on both sides of the floor-ceiling assembly.
   A. Metallic Pipes — A max of two metallic pipes, conduits or tubing, (one 3/4 in. diam and one 1/2 in. diam) to be installed within the firestop system. The following types and sizes of metallic pipes, conduits or tubing may be used:
   A1. Steel Pipe — Nom 3/4 in. diam (or smaller) Schedule 5 (or heavier) steel pipe.
   A2. Conduit — Nom 3/4 in. diam (or smaller) steel electrical metallic tubing or steel conduit.
   A3. Copper Tubing — Nom 3/4 in. diam (or smaller) Type L (or heavier) copper tubing.
   A4. Copper Pipe — Nom 3/4 in. diam (or smaller) Regular (or heavier) copper pipe.
   B. Nonmetallic Pipes — A max of one nonmetallic pipe to be installed within the firestop system. The following types and sizes of nonmetallic pipes may be used:
   B1. Polyvinyl Chloride (PVC) Pipe — Nom 1/2 in. diam (or smaller) Schedule 40 solid core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
   B2. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 1/2 in. diam (or smaller) SDR17 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
   C. Cables — A max of two 4/C No. 18 AWG (or smaller) thermostat cables with PVC insulation and PVC/nylon jacketing material.
   D. Tube Insulation — Plastic+ — Nom 1/2 in. thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing. Tube insulation to be installed on a max of one metallic pipe or tubing.
   See Plastics+ (QMFZ2) category in the Plastics Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.
4. Fill, Void or Cavity Material* — Sealant — Min 3/4 in. thickness of fill material applied within the annulus, flush with top surface of floor or sole plate. Min 5/8 in. thickness of fill material applied within the annulus, flush with the bottom surface of the ceiling or lower top plate.
   HILTI CONSTRUCTION CHEMICALS, DIV OF
   HILTI INC — FS — ONE Sealant

*Bearing the UL Classification Marking
+Bearing the UL Recognized Component Mark

Hilti Firestop Systems

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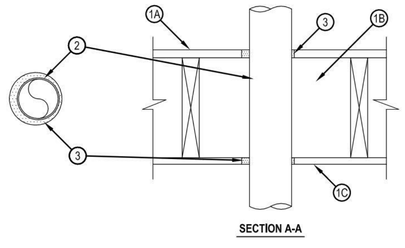
Page: 2 of 2

## System No. F-C-7013

Classified by Underwriters Laboratories, Inc., to UL 1479 and CAN/ULC-S115

| ANSI/UL1479 (ASTM E814) | CAN/ULC S115 |
|---|---|
| F Rating — 1 Hr | F Rating — 1 Hr |
| T Rating — 0 Hr | FT Rating — 0 Hr |
| | FH Rating — 1 Hr |
| | FTH Rating — 0 Hr |

FC 7013




SECTION A-A

1. Floor-Ceiling Assembly — The 1 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The general construction features of the floor-ceiling assembly are summarized below:
   A. Flooring System — Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture* as specified in the individual Floor-Ceiling Design. Max diam of opening shall be 5-1/4 in. (133 mm).
   B. Wood Joist* — Nom 10 in. (254 mm) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members* with bridging as required and with ends firestopped.
   C. Gypsum Board* — Nom 4 ft (1.2 m) wide by 5/8 in. (16 mm) thick as specified in the individual Floor-Ceiling Design. Max diam of opening shall be 5-1/4 in. (133 mm).
1.1 Chase Wall — (Not shown, Optional) The through penetrants (Item 2) may be routed through a 1 hr fire-rated single, double or staggered wood stud/gypsum wallboard chase wall having a fire rating consistent with that of the floor-ceiling assembly. The chase wall shall be constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Nom 2 by 6 in. (51 by 152 mm) lumber or double nom 2 by 4 in. (51 by 102 mm) lumber studs.
   B. Sole Plate — Nom 2 by 6 in. (51 by 152 mm) lumber or parallel 2 by 4 in. (51 by 102 mm) lumber plates, tightly butted. Max diam of opening shall be 5-1/4 in.
   C. Top Plate — The double top plate shall consist of two nom 2 by 6 in. (51 by 152 mm) lumber plates or two sets of nom 2 by 4 in. (51 by 102 mm) lumber plates tightly butted. Max diam of opening is 5-1/4 in. (133 mm).
   D. Gypsum Board* — Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design.

Hilti Firestop Systems

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Page: 1 of 2

## System No. F-C-7013

FC 7013

2. Steel Duct — Nom 4 in. (102 mm) diam (or smaller) No. 28 gauge (or heavier) steel duct to be installed either concentrically or eccentrically within the firestop system. The annular space between duct and periphery of opening shall be min of 1/4 in. (6 mm) to max 3/4 in. (19 mm). Steel duct to be rigidly supported on both sides of floor-ceiling assembly.
3. Fill, Void or Cavity Material*-Sealant — Min 3/4 in. (19 mm) thickness of sealant applied within the annular space, flush with top surface of floor or sole plate. Min 5/8 in. (16 mm) thickness of sealant applied within annular space, flush with bottom surface of gypsum board or lower top plate.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant
* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

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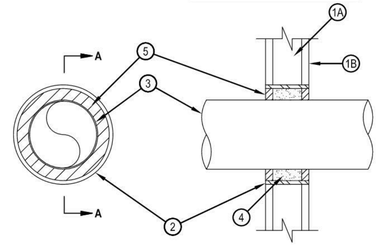
Page: 2 of 2

## System No. W-L-7017

Classified by Underwriters Laboratories, Inc., to UL 1479 and CAN/ULC-S115

| ANSI/UL1479 (ASTM E814) | CAN/ULC S115 |
|---|---|
| F Rating — 1 Hr | F Rating — 1 Hr |
| T Rating — 0 Hr | FT Rating — 0 Hr |
| | FH Rating — 1 Hr |
| | FTH Rating — 0 Hr |

WL 7017




SECTION A-A

1. Wall Assembly — The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — One layer of nom 5/8 in. (16 mm) thick gypsum board, as specified in the individual Wall and Partition Design. Max diam of opening is 8-5/8 in. (219 mm).
2. Metallic Sleeve — Nom 8 in. (203 mm) diam (or smaller) Schedule 40 (or heavier) steel sleeve cast into wall assembly with joint compound and installed flush with wall surfaces.
3. Air Duct — Nom 6 in. (152 mm) diam (or smaller) prefabricated No. 28 MSG galv sheet metal duct. A min 1/2 in. (13 mm) to max 1-1/2 in. (38 mm) annular space is required within the firestop system. Duct to be rigidly supported on both sides of wall assembly.
4. Forming Material* — Foamed plastic forming material foamed into opening as a permanent form. Forming material to be recessed from both surfaces of wall as required to accommodate the required thickness of fill material.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CFS12 or CF-AS CJP Foam Sealant
5. Fill, Void or Cavity Material* — Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. January 26, 2015

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# OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |

# M6.04

## DETAILS - MECHANICAL

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026

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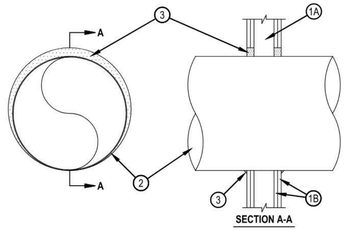
WL 7042

## System No. W-L-7042

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

| ANSI/UL1479 (ASTM E814) | CAN/ULC S115 |
|---|---|
| F Ratings - 1 and 2 Hr (See Items 1 and 3) | F Ratings - 1 and 2 Hr (See Items 1 and 3) |
| T Rating - 0 Hr | FT Rating - 0 Hr |
| | FH Ratings - 1 and 2 Hr (See Items 1 and 3) |
| | FTH Rating - 0 Hr |




SECTION A-A

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. October 12, 2017



WL 7042

## System No. W-L-7042

1. Wall Assembly — The 1 or 2 hr fire rated wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features.
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced 24 in. (610 mm) OC. Additional framing members shall be used to completely frame the opening for all ducts greater than 20 in. (502 mm) diam.
   B. Gypsum Board* — For 1 hr assembly, one layer of min 5/8 in. (16 mm) thick wallboard as required in the individual Wall and Partition Design. For 2 hr assembly, two layers of min 5/8 in. (16 mm) thick wallboard as required in the individual Wall and Partition Design. Max diam of opening is 14-1/2 in. (368 mm) for wood stud walls and 25-1/2 in. (648 mm) for steel stud walls.
   The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. Through Penetrant — Galv steel duct to be installed concentrically or eccentrically within the firestop system. The annular space between the duct and periphery of opening shall be 0 in. (0 mm, point contact) and max 1-1/2 in. (64 mm) Duct to be rigidly supported on both sides of wall assembly.
   A. Spiral Wound HVAC Duct — Nom 24 in. ( 610 mm) diam (or smaller) No. 28 MSG (or heavier) galv steel spriral wound duct.
   B. Sheet Metal Duct — Nom 12 in. (305 mm) diam (or smaller) No. 28 MSG (or heavier) galv sheet steel duct.
3. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) and 1-1/4 in. (32 mm) thickness of fill material applied within annulus, flush with both surfaces of wall assembly for 1 and 2 hr F Ratings, respectively. When FS-ONE Max is used, min 5/8 in. (16mm) thickness for both 1 and 2 hr F Ratings. At the point contact location between duct and wallboard, a min 1/2 in. (13 mm) diam bead of sealant shall be applied at the wallboard/duct interface on both surfaces of wall assembly.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP601S Elastomeric Firestop Sealant, FS-ONE Sealant, FS-ONE MAX Intumescent Sealant or CP606 Flexible Firestop Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. October 12, 2017

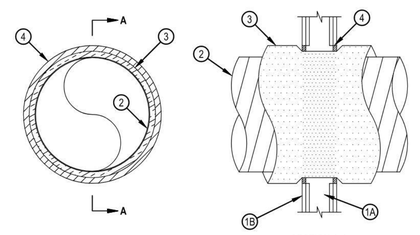


WL 7153

## System No. W-L-7153

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

| ANSI/UL1479 (ASTM E814) | CAN/ULC S115 |
|---|---|
| F Ratings - 1 and 2 Hr (See Item 1) | F Ratings - 1 and 2 Hr (See Item 1) |
| T Rating - 1/2 Hr | FT Rating - 1/2 Hr |
| | FH Ratings - 1 and 2 Hr (See Item 1) |
| | FTH Rating - 1/2 Hr |




SECTION A-A

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400, V400 or W400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing shall consist of channel studs. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Wallboard, Gypsum* — 5/8 in. (16 mm) thick, 4 ft (122 cm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory. Max diam of opening is 24 in. (610 mm).
   The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. November 15, 2017



WL 7153

## System No. W-L-7153

2. Steel Duct — Galv steel duct to be installed concentrically or eccentrically within the firestop system. Duct to be rigidly supported on both sides of wall assembly.
   A. Spiral Wound HVAC Duct — Nom 20 in. (508 mm) diam (or smaller) No. 24 MSG (or heavier) galv steel spriral wound duct.
   B. Sheet Metal Duct — Nom 12 in. (305 mm) diam (or smaller) No. 28 MSG (or heavier) galv sheet steel duct.
3. Duct Insulation* — Nom 1-1/2 in. or 2 in. (38 or 51 mm) thick glass fiber batt or blanket (min 3/4 pcf or 56 kg/m3) jacketed on the outside with a foil-scrim-kraft facing. Longitudinal and transverse joints sealed with aluminum foil tape. During the installation of the fill material, the batt or blanket shall be compressed 50% such that the annular space within the firestop system shall be min 1/4 in. (6 mm) to max 1-1/2 in. (38 mm). See Batts and Blankets - (BKNV) category in the Building Materials Directory for names of manufacturers. Any batt or blanket meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index 50 or less may be used.
4. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall. If voids develop after the fill materials cures, the voids shall be sealed with additional fill material.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

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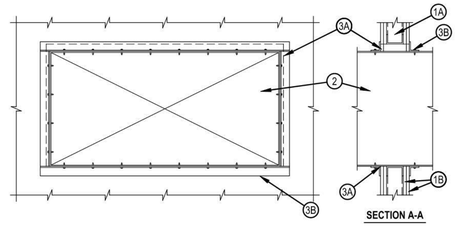
WL 7040

## System No. W-L-7040

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

| ANSI/UL1479 (ASTM E814) | CAN/ULC S115 |
|---|---|
| F Ratings - 1 and 2 Hr (See Items 1 and 3) | F Ratings - 1 and 2 Hr (See Items 1 and 3) |
| T Rating - 0 Hr | FT Rating - 0 Hr |
| L Rating at Ambient - Less Than 1 CFM/sq ft | FH Ratings - 1 and 2 Hr (See Items 1 and 3) |
| L Rating at 400°F - Less Than 1 CFM/sq ft | FTH Rating - 0 Hr |
| | L Rating at Ambient - Less Than 1 CFM/sq ft |
| | L Rating at 400°F - Less Than 1 CFM/sq ft |




SECTION A-A

1. Wall Assembly — The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (61 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm). Additional framing members shall be used to completely frame around opening.
   B. Gypsum Board* — Nom 5/8 in. (16 mm) thick with square or tapered edges. The gypsum wallboard type, number of layers and sheet orientation shall be as specified in the individual Wall and Partition Design Number. Max area of opening is 1300 in.$^2$ (0.84 m$^2$) with the dimension of 50 in. (1.27 m).
   The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.

2. Steel Duct — Nom 24 in. by 48 in. (610 by 1219 mm) (or smaller) No. 24 gauge (or heavier) galv steel duct to be installed within the firestop system. The annular space shall be min 0 (point contact) in. to a max 2 in. (51 mm) Duct to be rigidly supported on both sides of the wall assembly.

Hilti Firestop Systems

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WL 7040

## System No. W-L-7040

3. Firestop System — The firestop system shall consist of the following:
   A. Fill, Void or Cavity Material*—Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within annulus flush with both surfaces of wall. At point contact location, a min 1/2 in. (13 mm) diam bead of fill material shall be applied to the wall/duct interface on both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant, FS-ONE MAX Intumescent Sealant, CP601S Elastomeric Firestop Sealant or CP606 Flexible Sealant
   B. Steel Retaining Angle — No. 18 MSG (0.048 in.) galv steel angles cut to fit contour of duct with a 2 in. overlap on the duct and a min 1 in. overlap on the gypsum board assembly on both sufaces of wall. 2 in. leg of angle secured to duct with min No. 8 by 3/4 in. long sheet metal screws, spaced a max of 6 in. OC. When bead of fill material is used at joint contact locations, angles shall be installed prior to full material curing.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

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OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |
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M6.05

DETAILS - MECHANICAL

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

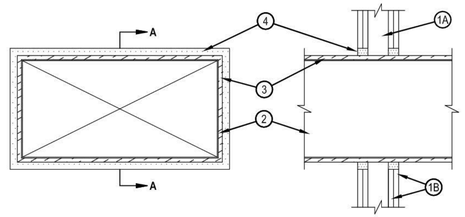
Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026

WL 7059

## System No. W-L-7059

CLASSIFIED C UL US
Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

| ANSI/UL1479 (ASTM E814) | CAN/ULC S115 |
|---|---|
| F Ratings - 1 and 2 Hr (See Item 1) | F Ratings - 1 and 2 Hr (See Item 1) |
| T Rating - 1/2 and 3/4 Hr (See Item 1) | FT Rating - 1/2 and 3/4 Hr(See Item 1) |
| | FH Ratings - 1 and 2 Hr (See Item 1) |
| | FTH Rating - 1/2 and 3/4 Hr (See Item 1) |




SECTION A-A

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the Individual U400, V400 or W400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing shall consist of channel studs. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. The opening in the wall to accommodate the steel duct (Item 2) shall be framed on all sides using lengths of studs installed between the vertical studs and attached to the studs at each end. The framed opening in the wall shall be a nom 6 in. (152 mm) wide and 12 in. (305 mm) higher than the width and height of the steel duct.
   B. Wallboard, Gypsum* — 5/8 in. (16 mm) thick, 4 ft (1.22 mm) wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the Individual U300, U400, V400 or W400 Series Design in the UL Fire Resistance Directory. Max area of opening is 395 sq. in. (0,25 m2)with max dimensions of 26-3/4 in. (679 mm) for steel studs. The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed. The hourly T, FT and FTH Ratings are 1/2 hr and 3/4 hr for 1 and 2 hr rated assemblies, respectively

HILTI Hilti Firestop Systems

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WL 7059

## System No. W-L-7059

2. Steel Duct — Nom 24 in. by 12 in. (610 by 305 mm) (or smaller) No. 24 gauge (or heavier) steel duct to be installed eccentrically within the framed opening. The annular space shall be min 1 in. (25 mm) to max 1-3/4 in. (45 mm) Steel duct to be rigidly supported on both sides of wall assembly.
3. Batts and Blankets* — Max 1-1/2 in. (38 mm) thick glass fiber batt or blanket (min 3/4 pcf or 12 kg/m3) jacketed on the outside with a foil-scrim-kraft facing. Longitudinal and transverse joints sealed with aluminum foil tape. During the installation of the fill material, the batt or blanket shall be compressed 50% such that the annular space within the firestop system shall be min 1/4 in. (6 mm) to max 1 in. (25 mm). See Batts and Blankets - (BKNV) category in the Building Materials Directory for names of manufacturers. Any batt or blanket meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index 50 or less may be used.
4. Fill, Void or Cavity Material* - Sealant — Min 5/8 in. or 1-1/4 in. (16 or 32 mm) thickness of fill material applied within annulus, flush with both surfaces of wall for 1 or 2 hr walls, respectively. If voids develop after the fill materials cures, the voids shall be sealed with additional fill material.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

HILTI Hilti Firestop Systems

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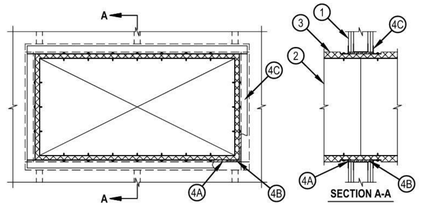
WL 7151

## System No. W-L-7151

CLASSIFIED C UL US
Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

| ANSI/UL1479 (ASTM E814) | CAN/ULC S115 |
|---|---|
| F Ratings - 1 and 2 Hr (See Item 1) | F Ratings - 1 and 2 Hr (See Item 1) |
| T Rating - 0, 1, and 2 Hr (See Item 4C) | FT Rating - 0, 1, and 2 Hr (See Item 4C) |
| | FH Ratings - 1 and 2 Hr (See Item 1) |
| | FTH Ratings - 0, 1, and 2 Hr (See Item 4C) |




SECTION A-A

1. Wall Assembly — The fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm). Additional framing members shall be used to completely frame around opening.
   B. Gypsum Board** — Nom 5/8 in. (16 mm) thick with square or tapered edges. The gypsum wallboard type, number of layers and sheet orientation shall be as specified in the individual Wall and Partition Design Number. Max area of opening is 210 sq in. (1355 cm2) with a max width of 14-1/2 in. (368 mm) for wood studs. Max area of opening is 2457 in2 (1.58 m2) with the max length or width dimension of 63 in. (1600 mm) for steel studs. The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. Steel Duct — Nom 36 in. by 60 in. (914 mm by 1524 mm or smaller) galv steel duct to be installed within the firestop system. The duct shall be constructed and reinforced in accordance with SMACNA construction standards. Duct to be rigidly supported on both sides of the wall assembly.
3. Batts and Blankets* — Max 2 in. (51 mm) thick min 3/4 pcf (12 kg/m3) glass fiber batt or blanket jacketed on the outside with a foil-scrim-kraft facing. Longitudinal and transverse joints sealed with aluminum foil tape. During the installation of the fill material, the batt or blanket shall be compressed minimum 50% such that the annular space within the firestop system shall be min 1/4 in. (6 mm) to a max 3-1/2 in. (89mm); refer to the table below.
   See Batts and Blankets - (BKNV) category in the Building Materials Directory for names of manufacturers. Any batt or blanket meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index 50 or less may be used.

HILTI Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. August 22, 2018



WL 7151

## System No. W-L-7151

4. Firestop System — The firestop system shall consist of the following:
   A. Packing Material — Min 3-1/2 in. (89 mm) thickness of min 4.0 pcf (64 kg/m3) mineral wool batt insulation firmly packed into the opening as a permanent form. Packing material to be recessed from both sides of the wall to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material*—Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within annulus flush with both surfaces of the wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE MAX Intumescent Sealant
   C. Steel Retaining Angle — No. 18 MSG (or heavier) galv steel angles. When duct dimension exceeds 48 in. (1219 mm), angles shall be No. 16 MSG (or heavier). Angles cut to fit contour of duct with a 2 in. (51 mm) overlap on the duct and a min 1 in. (25 mm) overlap on the gypsum board assembly on both surfaces of wall. 2 in. (51 mm) leg of angle secured to duct with min No. 8 by 3/4 in. (19 mm) long sheet metal screws, spaced a max of 6 in. (152 mm) OC. Angles are optional for ducts 30 in. (762 mm) by 24 in. (610 mm) and smaller. In addition, see table below for additional conditions and options regarding retaining angles.

| Max Duct Dimension | Duct Thickness | Max Insulation Thickness (Item 3) | Annular Space | Packing Material (Item 4A) Required | Angle (Item 4C) Required | T-Rating Hr |
|---|---|---|---|---|---|---|
| **24 in. (610 mm) | 24 ga or heavier | 1-1/2 in. (38 mm) | 1/4 in. min to 1 in. max (6 to 25 mm) | No | No | 0 |
| 25 in. (635 mm) wide by 45 in. (1143 mm) high | 24 ga or heavier | 2 in. (51 mm) | 1/4 in. min to 3-1/2 in. max (6 to 89 mm) | Yes | No | 1 and 2 (Same as wall rating) |

** Indicates that when max 1-1/2 in. (38 mm) thick insulation is used, steel angles are optional for those sides of the duct that do not exceed the dimension specified.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

HILTI Hilti Firestop Systems

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# OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |

# M6.06

DETAILS - MECHANICAL

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4
7/20/2026

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - Jay Traina - NA to Private Provider - 7/16/2026

## PLUMBING SPECIFICATIONS

GENERAL CONDITIONS
THE GENERAL CONDITIONS, SPECIAL CONDITIONS, SUPPLEMENTARY CONDITIONS AND MECHANICAL CONDITIONS OF THE SPECIFICATIONS AND "GENERAL CONDITIONS OF THE CONTRACT", CURRENT EDITION, ESTABLISHED IN STANDARD FORM BY THE AMERICAN INSTITUTE OF ARCHITECTS SHALL APPLY TO ALL WORK ON THIS PROJECT EXCEPT AS MODIFIED BELOW. THIS CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THESE PROVISIONS AND ADHERE TO THESE REQUIREMENTS. CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES PRIOR TO INSTALLATION.

RELATED DOCUMENTS
THIS CONTRACTOR IS REFERRED TO THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL PLANS AND SPECIFICATIONS. SUCH PLANS AND SPECIFICATIONS ARE A PART OF THE CONTRACT DOCUMENTS. CONTRACTORS SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH ALL CONDITIONS SURROUNDING THE WORK. IF ANY OF THE CONDITIONS REQUIRE A MODIFICATION OF THE SYSTEMS INDICATED BY THESE PLANS AND SPECIFICATIONS, THE CONTRACTOR SHALL INCLUDE THE COST OF SUCH MODIFICATIONS IN HIS BID. NO EXTRA COMPENSATION WILL BE ALLOWED BECAUSE OF FAILURE TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BIDS.

MODIFICATIONS TO PLANS AND SPECIFICATIONS
THROUGHOUT THE COURSES OF THE WORK, MINOR CHANGES AND ADJUSTMENTS TO PLANS AND SPECIFICATIONS MAY BE REQUESTED BY THE ARCHITECT/ENGINEER. THE CONTRACTOR SHALL MAKE SUCH ADJUSTMENTS WITHOUT ADDITIONAL COST TO THE OWNER. WHERE SUCH ADJUSTMENTS ARE NECESSARY FOR THE PROPER INSTALLATION AND OPERATION AND WITHIN THE INTENT OF THE CONTRACT DOCUMENTS.

EQUIPMENT SUBSTITUTION
IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS TO FORM A GUIDE FOR A COMPLETE INSTALLATION. EVERYTHING NECESSARY FOR THE COMPLETION AND SUCCESSFUL OPERATION OF THE WORK, WHETHER OR NOT HEREIN DEFINITELY SPECIFIED OR INDICATED ON THE DRAWINGS SHALL BE FURNISHED AND INSTALLED AS WELL AND AS FAITHFULLY AS IT IS SPECIFIED OR INDICATED WITH OUT ADDITIONAL COST TO THE OWNER. THE MECHANICAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LENGTHS PRIOR TO INSTALLATION.

IF ANY ERRORS, DISCREPANCIES OR OMISSIONS APPEAR IN THE DRAWINGS, SPECIFICATIONS OR OTHER CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF SUCH ERROR OMISSION. IN THE EVENT OF THE CONTRACTOR FAILS TO GIVE SUCH NOTICE BEFORE CONSTRUCTION AND/OR FABRICATION OF THE WORK, HE WILL BE HELD RESPONSIBLE FOR THE RESULTS OF ANY SUCH ERRORS, DISCREPANCIES OR OMISSIONS AND THE COST TO RECTIFYING SAME.

PERMITS, FEES, LICENSES
THIS CONTRACTOR SHALL PAY ALL FEES AND RELATED CHARGES REQUIRED FOR PERMITS, LICENSES, ETC... REQUIRED FOR INSTALLATION OF THE PLUMBING SYSTEMS.

EQUIPMENT SUBSTITUTION
THIS CONTRACTOR SHALL REIMBURSE THE ELECTRICAL CONTRACTOR, WITHOUT ANY CHARGE TO OWNER, ANY COSTS THE ELECTRICAL CONTRACTOR INCURS DUE TO THIS CONTRACTOR'S SUBSTITUTION OF EQUIPMENT HAVING DIFFERENT ELECTRICAL SERVICE REQUIREMENTS THAN THE SPECIFIED EQUIPMENT.
CONTRACTOR SHALL NOTIFY A/E 10 DAYS PRIOR TO BID ANY SUBSTITUTION FOR REVIEW AND APPROVAL BY THE A/E. ANY FIXTURES AND EQUIPMENT NOT SUBMITTED FOR REVIEW/APPROVAL SHALL BE SUBJECT TO REJECTION.

SHOP DRAWINGS
THIS CONTRACTOR SHALL PROVIDE THE ARCHITECT WITH A MINIMUM OF SEVEN CERTIFIED COPIES OF ALL SHOP AND EQUIPMENT DRAWINGS FOR HIS APPROVAL, TWO OF WHICH SHALL BE RETAINED BY THE ARCHITECT/ENGINEER AND THE REMAINING BEING RETURNED TO THE CONTRACTOR. DRAWINGS SHALL BE SUBMITTED BEFORE START AT CONSTRUCTION. FAILURE OF COMPLIANCE WITH THIS PARAGRAPH WILL RESULT IN WITHHOLDING OF FINAL PAYMENT.

WARRANTY
THIS CONTRACTOR SHALL WARRANT HIS WORK TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM SUBSTANTIAL COMPLETION.

BASIC MATERIALS AND METHODS
ALL WORKMANSHIP AND MATERIALS SHALL BE OF THE HIGHEST QUALITY IN EVERY RESPECT. ALL MATERIALS AND EQUIPMENT SHALL BE NEW, OF THE LATEST DESIGN AND FREE OF DEFECTS. ALL MATERIALS AND EQUIPMENT SHALL CONFORM TO THE LATEST AMENDED EDITION OF ALL APPLICABLE STANDARDS, INCLUDING BUT NOT LIMITED TO, ASTM, UL AND NEMA STANDARDS.

INSTALL ALL PIPING TO PRESENT A NEAT AND ORDERLY APPEARANCE. RUN ALL LINES PARALLEL WITH BUILDING WALLS AND CONSTRUCTION. KEEP PIPING FREE FROM CONTACT WITH STRUCTURE OR EQUIPMENT TO PREVENT NOISE TRANSMISSION, ALLOWING CLEARANCES FOR EXPANSION AND CONTRACTION. PROVIDE ACCESS DOORS OR PANELS FOR ALL VALVES, CLEANOUTS, CONTROL DEVICES, ETC...

WATER SUPPLY PIPING
ALL ABOVE GROUND WATER SUPPLY PIPE SHALL BE EITHER COPPER OR CPVC (AS APPROVED BY OWNER). PIPING SHALL MEET THE FOLLOWING:

COPPER SHALL BE TYPE L HARD TEMPER COPPER WATER TUBE COMPLYING WITH ASTM B88. ALL FITTINGS SHALL BE WROUGHT COPPER COMPLYING WITH USASI B16.1B & B16.1BA. DIELECTRIC COUPLINGS SHALL BE USED BETWEEN STEEL AND COPPER CONNECTIONS. ALL BELOW GROUND WATER SUPPLY PIPE SHALL BE TYPE K COPPER WATER TUBE. PROVIDE 95-5 LEAD-FREE, SILVER SOLENOID JOINTS.

CPVC PIPING: ASTM F441/F441M-15 CHLORINATED POLY PLASTIC PIPE. SCHEDULE 40 AND 80 HOT AND COLD WATER DISTRIBUTION PIPING IS AN ACCEPTABLE ALTERNATE UPON WRITTEN APPROVAL OF THE OWNER.

SANITARY WASTE AND VENT PIPING - (IF PERMITTED BY LOCAL CODE)
ALL ABOVE GROUND STORM, SANITARY WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC-DWV PIPE AND FITTINGS (ASTM D2665) WITH SOLVENT WELD JOINTS. ALL BELOW GROUND SANITARY SOIL AND WASTE PIPING SHALL BE SCHEDULE 40 PVC-DWV PIPE FITTINGS (AST D2665) WITH SOLVENT WELD JOINTS.

PIPE HANGERS AND SUPPORT
SUPPORT HORIZONTAL PIPING ADEQUATELY FROM SLABS OR OTHER STRUCTURAL MEMBERS AT INTERVALS SPECIFIED BELOW. SUPPORT ALL PIPING IN STRICT ACCORDANCE WITH SECTION 308 OF THE FBCP (7TH EDITION). USE GRINNELL #260 HANGERS, OR APPROVED EQUAL, HAVING ADJUSTABLE WROUGHT CLEVIS, SOLID RODS AND SOCKETS. PIPING INSTALLED ALONG WALLS SHALL BE SUPPORTED BY GRINNELL #199, OR APPROVED EQUAL, STEEL ANGLE BRACKETS. ALL PIPE HANGERS SHALL BE IN STRICT ACCORDANCE WITH SECTION 714 OF THE FBCB (7TH EDITION).

PIPES SLEEVES AND OPENINGS
THE CONTRACTOR SHALL CUT ALL OPENINGS IN FLOORS AND WALLS REQUIRED FOR PENETRATION OF PIPING. PATCH ALL OPENINGS FOR SOUND DEADENING AND FIRE SEPARATION. GENERAL CONTRACTOR SHALL PERFORM ALL FINISH PATCHING AS REQUIRED BY ARCHITECTURAL SPECIFICATIONS. ALL HORIZONTAL PIPING WHICH PENETRATES WALLS SHALL BE FITTED WITH PIPE SLEEVES MADE UP OF SIMILAR MATERIALS AS PIPE, 1" GREATER IN DIAMETER THAN OUTSIDE DIAMETER OF PIPE AND PIPE INSULATION. PIPE SLEEVES SHALL NOT BE USED FOR FIRE RATED PENETRATIONS UNLESS IT IS A LISTED COMPONENT OF AN APPROVED FIRE STOPPING SYSTEM. THE VOID BETWEEN PIPE AND SLEEVE SHALL BE SEALED WITH ROPE AND FILLED WITH NON-SHRINKING CEMENT. SLEEVES SHALL BE SUCH LENGTH THAT THEY END FLUSH WITH WALL FINISH ON BOTH SIDES OF WALL. PROVIDE RATED PENETRATIONS OF ALL WALLS AND FLOOR AS REQUIRED TO MAINTAIN THE RATING OF THE WALL OR FLOOR PENETRATED.

WHERE UNCOVERED EXPOSED PIPES PASS THRU WALLS, THEY SHALL BE FITTED WITH CRANE #10, OR EQUAL, WALL ESCUTCHEON PLATES. SLEEVES THROUGH WATER PROOF FLOORS SHALL EXTEND 2" ABOVE FINISHED FLOOR.

VALVES
THE CONTRACTOR SHALL FURNISH AND INSTALL VALVES WHERE INDICATED ON PLAN AND NECESSARY FOR PROPER SYSTEM OPERATION AND COMPONENT ISOLATION. PROVIDE VALVES RATED FOR 125 PSI OR GREATER WORKING PRESSURE IN WATER PIPING.

| | |
|---|---|
| CHECK VALVE UP TO 3" | APOLLO 61-109 61-500 OR NIBCO T-413-13 |
| GLOBE VALVE UP TO 3" | CRANE NO. 1240, 1241 OR EQUAL |
| BALL VALVE UP TO 3" | APOLLO SERIES 82-100 OR 82-200 |
| FULLPORT | |
| TEMP. & PRESS RELIEF VALVE | WATTS 10L MOD. M4, OR EQUAL, 3/4" M x 3/4" F |
| WATER HAMMER ARRESTOR | WADE #10 (HOT), WADE #5 (COLD) |
| BACKFLOW PREVENTER | WATTS NO. 9D, OR EQUAL |
| VACUUM RELIEF VALVE | WATTS NO. 36A - 3/4" OR EQUAL |
| PRESSURE REDUCING VALVE | WATTS NO. U5 |
| TRAP PRIMER VALVE | JR SMITH |

INSULATION
INSULATION SHALL BE REQUIRED ON ALL HOT SURFACES TO RETARD UNDESIRABLE HEAT TRANSFER AND PREVENT CONDENSATION. INSULATION SHALL BE APPLIED TO PIPE LINES, AND EQUIPMENT ONLY AFTER THEY HAVE BEEN TESTED, INSPECTED AND ALL SURFACES THOROUGHLY CLEANED OF ALL MOISTURE, FOREIGN MATERIAL, GREASE AND RUST. INSULATION SHALL BE CONTINUOUS THROUGH WALLS, FLOORS, PARTITIONS, SLEEVES, ETC... EXCEPT WHERE OTHERWISE INDICATED OR SPECIFIED. ALL INSULATION ADHESIVES, SEALERS AND COATINGS SHALL HAVE A FIRE HAZARD RATING NOT TO EXCEED 25/50/50 FLAME SPREAD, FUEL CONTRIBUTED AND SMOKE DEVELOPED IN ACCORDANCE WITH UL 723 AND ASTM-E84. PROVIDE INSULATION FOR HOT WATER PIPING.

PIPE INSULATION SHALL BE 1" THICK RIGID FIBERGLASS WITH SELF-SEALING LAP AND ALL SERVICES JACKET OR APPROVED EQUAL. INSULATE ALL HOT WATER PIPING PER TABLE C403.2.10 OF THE FBCE.

INSULATION SHALL BE REQUIRED AT ALL ADA ACCESSIBLE LAVATORIES TO PROTECT AGAINST CONTACT OF HOT WATER AND DRAIN PIPES. INSULATE TRAP AND BOTH SUPPLIES WITH A HIGH IMPACT, STAIN RESISTANT, PREMOLDED VINYL COVERING. ALL WATER SUPPLY AND DRAIN PIPING UNDER ADA LAVATORIES SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT IN ACCORDANCE WITH SECTION 605.5 OF THE FBCS (7TH EDITION). MANUFACTURES: TRUEBRO "HANDY-LAVGUARD", McGUIRE OR BROCAR "TRAP WRAP".

PLUMBING FIXTURES
ALL VENT & WATER PIPING SHALL RUN ABOVE FLOOR OF PLAN ON WHICH SHOWN UNLESS OTHERWISE INDICATED. ALL SANITARY DRAIN AND WASTE PIPING SHALL RUN BELOW FLOOR OF PLAN ON WHICH SHOWN UNLESS OTHERWISE INDICATED. WC-1, FD-1, ETC... REFER TO FIXTURES LISTED IN SCHEDULES AND LOCATED ON THE PLANS.

## PLUMBING DEMOLITION NOTES

1. THE CONTRACTOR SHALL REVIEW NEW FLOOR PLANS FOR SYSTEMS TO REMAIN FEEDING OTHER AREA TO BE REUSED PRIOR TO DEMOLITION.
2. UNLESS NOTED OTHERWISE, REMOVE PLUMBING FIXTURES, VALVES, SUPPORTS AND ASSOCIATED PIPING BACK TO THE MAIN SOURCE. REFER TO FLOOR PLANS FOR EXISTING PIPING TO REMAIN OR SYSTEMS TO BE REUSED. REMOVE ALL UNUSED PIPING EXPOSED BY DEMOLITION AND DO NOT ABANDON IN PLACE UNLESS INTENDED TO BE REUSED.
3. MAINTAIN CONTINUITY OF EXISTING PIPING TO REMAIN AND OR BE REUSED.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND LEGALLY DISPOSE OF DEMOLISHED MATERIALS.
5. THE OWNER RESERVES THE RIGHT TO INSPECT THE MATERIAL SCHEDULED FOR REMOVAL AND SALVAGE ANY ITEMS DEEMED USEABLE AS SPARE PARTS.
6. EXISTING CONDITIONS INDICATED ON THIS DRAWING ARE TAKEN FROM EXISTING DOCUMENTS AND FIELD INVESTIGATION. IT IS RECOMMENDED FOR CONTRACTOR TO VISIT PROJECT AREA AND VERIFY EXISTING CONDITIONS PRIOR TO DEMOLITION.
7. THE DEMOLITION PLAN IS NOT INCLUSIVE OF ALL PIPING DEVICES AND FITTINGS ETC. IT IS INTENDED TO PROVIDE THE CONTRACTOR WITH GENERAL KNOWLEDGE OF EXISTING CONDITIONS WITHIN THE PROJECT AREA.
8. THE CONTRACTOR SHALL INSURE THAT PIPING REMAINING WITHIN THE PROJECT AREA IS SUPPORTED IN ACCORDANCE WITH THE SPECIFICATIONS. PIPING THAT ARE ATTACHED TO ITEMS BEING REMOVED DURING DEMOLITION SHALL BE SUPPORTED FROM THE STRUCTURE PRIOR TO REMOVING ITEM.
9. CONTRACTOR SHALL PATCH, PAINT, AND MATCH FINISHES WITH EXISTING SURFACES TO REMAIN WHERE PIPING HAS BEING REMOVED, THIS INCLUDES NEW PIPE TO BE LOCATED UNDER BOTTOM EXISTING FINISHED FLOORS, PIPE ABOVE HARD FINISHED CEILINGS OR INSIDE EXISTING WALLS.
10. CONTRACTOR SHALL REVIEW NEW FLOOR PLANS FOR DEVICES TO REMAIN PRIOR TO DEMOLITION
11. THE BUILDING WILL BE IN OPERATION DURING DEMOLITION AND CONSTRUCTION. CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS ON PHASING INSTRUCTIONS. CONTRACTOR SHALL COORDINATE WITH OWNER ON DEMOLITION AND CONSTRUCTION SCHEDULE AND NOTIFY OWNER A MINIMUM OF 72 HOURS PRIOR TO POWER SHUTDOWN OR COMMENCING WORK IN EACH AREA.
12. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS FOR FURTHER DEMOLITION INFORMATION. CONTRACTOR SHALL REMOVE ASSOCIATED ELECTRICAL DEVICES, EQUIPMENT AND OTHER EXISTING SYSTEMS SERVING ITEMS BEING REMOVED.
13. BEFORE DEMOLITION OF ANY PIPE SYSTEMS VERIFY ALL SOURCES BEING SERVED OUTSIDE CONSTRUCTION AREA. VERIFY WITH OWNER OR DEPARTMENT SUPERVISOR BEFORE DISRUPTING ANY SERVICES AFFECTED OUTSIDE THE CONSTRUCTION AREA. ANY EXISTING WATER SYSTEMS DISRUPTED BY DEMOLITION ARE TO BE RESTORED TO OPERATION IMMEDIATELY OR WITHIN TIME AGREED UPON WITH OWNER.
14. THE CONTRACTOR SHALL COORDINATE THE DISRUPTION IN THE SPACES LOCATED ON THE FLOOR BELOW THE AREA OF WORK WHEN INSTALLING THE NEW WORK AND PIPE.
15. PROVIDE JET CLEANING SERVICE FOR CLEANING EXISTING SANITARY LINES WITHIN THE PROJECT AREA TO A POINT OUTSIDE THE BUILDING TO REDUCE THE CHANCES OF BACKUPS.

## GENERAL NOTES

1. REFERENCE THE SPECIFICATIONS FOR MATERIAL AND EQUIPMENT INSTALLATION STANDARDS.
2. PLANS ARE NOT COMPLETELY TO SCALE. PIPE ROUTING SHOWN IS SCHEMATIC AND IS NOT INTENDED TO INDICATE EXACT ROUTING. CONTRACTOR SHALL PROVIDE ANY ADDITIONAL OFFSETS AND FITTINGS REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES. VERIFY STRUCTURAL, MECHANICAL AND ELECTRICAL INSTALLATIONS AND OTHER POTENTIAL OBSTRUCTIONS AND ROUTE PIPING TO AVOID INTERFERENCES.
3. PROVIDE ALL OFFSETS AND FITTINGS AND MAKE CONNECTION TO SITE UTILITIES.
4. CONCEAL PIPING ABOVE CEILINGS, WITHIN WALLS OR CHASES EXCEPT IN MECHANICAL ROOMS OR AS SPECIFICALLY NOTED.
5. PROVIDE ACCESS DOOR / PANEL FOR ALL VALVES CONCEALED IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS.
6. SLEEVE ALL PENETRATIONS THROUGH WALLS, CEILING, AND FLOORS. SLEEVE AND/OR FIRE STOP ALL PENETRATIONS THROUGH RATED WALLS, CEILINGS, AND FLOORS WITH UL LISTED ASSEMBLIES. PIPE SLEEVES SHALL NOT BE USED FOR FIRE RATED PENETRATIONS UNLESS IT IS A LISTED COMPONENT OF AN APPROVED FIRE STOPPING SYSTEM. M FIRE STOP ASSEMBLIES SHALL BE EQUAL OR EXCEED THE RATING OF THE WALL, CEILING, OR FLOOR. SEE ARCHITECTURAL DRAWINGS FOR FINAL FINISHES. ALL FIRE RATED PENETRATIONS SHALL BE IN ACCORDANCE WITH SECTION 714 OF THE FBCB (7TH EDITION).
7. SEE ARCHITECTURAL DRAWINGS FOR FIXTURE LOCATIONS AND MOUNTING HEIGHTS.
8. PROVIDE ASSE 1018 AUTOMATIC TRAP PRIMERS FOR ALL FLOOR DRAINS.
9. PROVIDE AN AIR GAP, WHEN REQUIRED BY CODE, SERVING INDIVIDUAL FIXTURES, DEVICES, APPLIANCES AND APPARATUS.
10. ALL EXPOSED PIPE AND FITTINGS IN FINISHED AREAS SHALL BE CHROME PLATED.
11. PROVIDE CLEANOUTS IN ACCORDANCE WITH ALL STATE AND LOCAL CODES. INSTALL CLEANOUT WITH COVER FLUSH TO FINISH SURFACE.
12. COORDINATE EXACT FLOOR DRAIN LOCATIONS WITH ARCHITECTURAL DRAWINGS. SET FLOOR DRAINS BELOW FINISHED FLOOR TO ALLOW FOR FLOOR SLOPING TO THE DRAIN.
13. COORDINATE PIPING WITH ALL ELECTRICAL EQUIPMENT (PANELS, TRANSFORMERS, ETC.) PRIOR TO ANY INSTALLATION. DO NOT ROUTE ANY PIPING OVER ANY ELECTRICAL PANELS UNDER ANY CIRCUMSTANCES. ANY PIPING RUN OVER PANELS SHALL BE RE-ROUTED AT NO ADDITIONAL COST.
14. ALL WALL MOUNTED LAVATORIES, WATER COOLERS AND OTHER WALL MOUNTED FIXTURES SHALL BE ATTACHED TO FLOOR MOUNTED CARRIER DESIGNED TO WITHSTAND A VERTICAL LOAD OF 250 POUNDS ON THE FRONT OF THE FIXTURE.
15. PROVIDE SANITARY WASTE, VENT, DOMESTIC WATER, ETC. ROUGH-IN AND MAKE FINAL CONNECTIONS (TO INCLUDE PROVIDING ALL NECESSARY RELATED STOPS, VALVES, TRAPS, ETC. AND MAKE READY FOR USE) TO ALL EQUIPMENT, WHETHER FURNISHED BY THIS CONTRACTOR OR FURNISHED BY OTHERS.
16. INSTALL ISOLATION/SHUT-OFF VALVES AT ALL MAIN RISERS AND MAIN BRANCH TAKEOFFS, TO PERMIT ISOLATION OF PIPING SECTIONS OR ENTIRE SYSTEM.
17. PROVIDE RIGID SUPPORT SWAY BRACING AT ALL CHANGES IN DIRECTION GREATER THAN 45° ON PIPING 4" AND LARGER.
18. PROVIDE WATER HAMMER ARRESTOR ON ALL COLD AND HOT WATER LINES SERVING PLUMBING FIXTURES. ARRESTORS SHALL BE SIZED IN ACCORDANCE WITH P.D.I. STANDARDS FOR THE TOTAL NUMBER OF FIXTURES SERVED.
19. ALL PIPING SHALL BE PROTECTED FROM THE INTRUSION OF WATER, DUST, DIRT, DEBRIS, ETC. WHILE STORED ON SITE AND DURING CONSTRUCTION.
20. ALL PRODUCTS USED INDOORS SHALL HAVE LOW VOC CONTENT THAT QUALIFIES FOR THE LATEST VERSION OF LEED.
21. ALL SERVICE LINES FOR WATER AND GAS SIZED TO PROVIDE FULL FLOW VOLUME FOR ALL ITEMS SUPPLIED ON RESPECTIVE MAINS AND BRANCHES. IDENTIFY ALL LINES WITH PERMANENT LABELS FOR THE SERVICE THEY PROVIDE.
22. ALL HOT AND COLD WATER SERVICE LINES, EXCEPT SHORT BRANCHES EXTENDED AND CONNECTED TO FIXTURES, SHALL BE INSULATED. ALL EXPOSED INSULATED LINES SHALL BE COVERED WITH PROTECTIVE COVERING TO SUIT THE APPLICATION.
23. ALL HORIZONTAL PIPING LINES EXTENDED AND CONNECTED TO EQUIPMENT, BELOW EQUIPMENT, SHALL BE RUN AT THE HIGHEST POSSIBLE ELEVATION ABOVE FLOOR, TO PROVIDE CLEARANCE FOR CLEARING. NO LINES SHALL LAY ON FLOOR.
24. ALL PIPING ROUTED THROUGH OR NEAR EQUIPMENT OR COUNTERS SHALL NOT INTERFERE WITH THE INTENDED USE OF, OR SERVICING OF, EQUIPMENT OR COUNTERS.
25. ALL EXPOSED PIPING AND FITTINGS SHALL BE CHROME PLATED OR STAINLESS STEEL. TAIL PIECES FOR SINKS SHALL BE 17 GAUGE CHROME PLATED FLARED BRASS TUBING FOR CONNECTION TO 1-1/2" I.P.S. MALE THREAD FITTING. "P" TRAPS SHALL BE CHROME PLATED BRASS, UNIFORM CODE PATTERN.
26. STOPS SHALL BE FURNISHED AND INSTALLED ON ALL HOT AND COLD WATER LINES AT EQUIPMENT. PROVIDE ALL REQUIRED SHUT-OFF VALVES, CHROME FINISH.

## PLUMBING ABBREVIATIONS

| | |
|---|---|
| AAV | AIR ADMITTANCE VALVE |
| AFF | ABOVE FINISH FLOOR |
| AW | ACID WASTE |
| AV | ACID VENT |
| CA | COMPRESSED AIR |
| CD | CONDENSATE DRAIN |
| CFH | CUBIC FEET PER HOUR |
| CO | CLEAN OUT |
| CONT | CONTINUATION |
| CW | COLD WATER |
| DCW | DOMESTIC COLD WATER |
| DN | DOWN |
| DS | DOWNSPOUT |
| DWG | DRAWING |
| EXIST | EXISTING |
| ESH | EMERGENCY SHOWER / EYEWASH |
| EWH | ELECTRIC WATER HEATER |
| EWC | ELECTRIC WATER COOLER |
| °F | DEGREE FAHRENHEIT |
| FCO | FLOOR CLEAN OUT |
| FD | FLOOR DRAIN |
| FS | FLOOR SINK |
| G | GAS |
| GPH | GALLONS PER HOUR |
| GPM | GALLONS PER MINUTE |
| GR | KITCHEN WASTE (GREASE) |
| HB | HOSE BIBB |
| HD | HUB DRAIN |
| HW | DOMESTIC HOT WATER |
| HWR | DOMESTIC HOT WATER RECIRCULATING |
| IE | INVERT ELEVATION |
| IW | INDIRECT WASTE |
| KW | KILOWATT |
| LBS | POUNDS |
| MH | MANHOLE |
| NC | NORMALLY CLOSED |
| NIC | NOT IN CONTRACT |
| NO | NORMALLY OPEN |
| NTS | NOT TO SCALE |
| OD | OUTSIDE DIAMETER |
| PEMB | PRE-ENGINEERED METAL BUILDING |
| PRV | PRESSURE REDUCING VALVE |
| PSI | POUNDS PER SQUARE INCH |
| PVC | POLYVINYL CHLORIDE PIPE |
| RD | ROOF DRAIN |
| RPBP | REDUCED PRESSURE BACKFLOW PREVENTOR |
| SAN | SANITARY |
| SD | STORM DRAIN |
| SF | SQUARE FEET |
| SH | SHEET |
| SS | SERVICE SINK |
| STO | OVERFLOW STORM DRAIN |
| V | VENT |
| VAC | VACUUM |
| VTR | VENT THRU ROOF |
| WCO | WALL CLEAN OUT |
| WM | WASHING MACHINE SUPPLY AND DRAIN BOX |
| WTR | WATER |

NOTE: GENERAL NOTES, ABBREVIATIONS AND SYMBOLS ON THIS PLUMBING SHEET ARE FOR GENERAL REFERENCE PURPOSES ONLY. ALL OF THESE MAY NOT BE USED FOR THIS PROJECT.

## PLUMBING SYMBOL LEGEND

- DOMESTIC COLD WATER PIPING
- DOMESTIC HOT WATER PIPING
- DOMESTIC HOT WATER CIRCULATING PIPING
- GAS PIPING
- GREASE WASTE PIPING
- SANITARY PIPING
- SANITARY VENT PIPING
- PRIMARY STORM DRAIN PIPING
- SECONDARY STORM DRAIN PIPING
- CONDENSATE DRAIN PIPING
- COMPRESSED AIR PIPING
- WATER METER
- HOSE BIBB WITH SHUT OFF VALVE IN RISER
- WALL HYDRANT WITH SHUT OFF VALVE
- CLEAN OUT PLUG
- WALL CLEAN OUT
- FLOOR CLEAN OUT
- FLOOR DRAIN
- ROOF DRAIN (ABOVE)
- FLOOR SINK
- SHUT-OFF VALVE IN VALVE BOX
- SHUTOFF VALVE
- BALL VALVE
- CALIBRATED BALANCING VALVE
- CHECK VALVE (SWING)
- PRESSURE REDUCING VALVE
- SOLENOID OPERATED VALVE
- REDUCED PRESSURE BACKFLOW PREVENTER
- RELIEF OR SAFETY VALVE
- GAS COCK
- GAS PRESSURE REGULATOR
- SHUT OFF VALVE IN VERTICAL RISER
- SHUT OFF VALVE
- CONNECTION, TOP
- CONNECTION, BOTTOM
- ELBOW, TURNED DOWN
- ELBOW, TURNED UP
- TEE, TURNED UP
- TEE, TURNED DOWN
- CAP
- DIRECTION OF FLOW
- CODED OR KEY NOTES
- REVISION REFERENCE

## CODE COMPLIANCE

1. TO THE BEST OF MY KNOWLEDGE, THESE PLANS AND SPECIFICATIONS ARE COMPLETE AND COMPLY WITH THE 2023 FBC (8TH EDITION), 2023 FPC (8TH EDITION), 2023 FFPC (8TH EDITION).

## RENOVATION NOTES

| SYMBOL | DESCRIPTION |
|---|---|
| | CONNECT TO EXISTING |
| | DEMOLISH TO POINT INDICATED |
| | NEW PIPING TO BE PROVIDED |
| | EXISTING PIPING TO REMAIN |
| | EXISTING PIPING TO BE REMOVED |

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THE ARCHITECT'S COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS ARE HEREBY RESERVED IN THE IDEAS, DESIGNS, PLANS, DRAWINGS, AND SPECIFICATIONS SHALL NOT BE REPRODUCED OR CONVEYED IN ANY MANNER NOR ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION OF THE ARCHITECT.

OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |

P0.00

PLUMBING
SYMBOLS LEGEND

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

| |
|---|
| Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Fire Review - Jay Traina - NA to Private Provider - 7/16/2026 |

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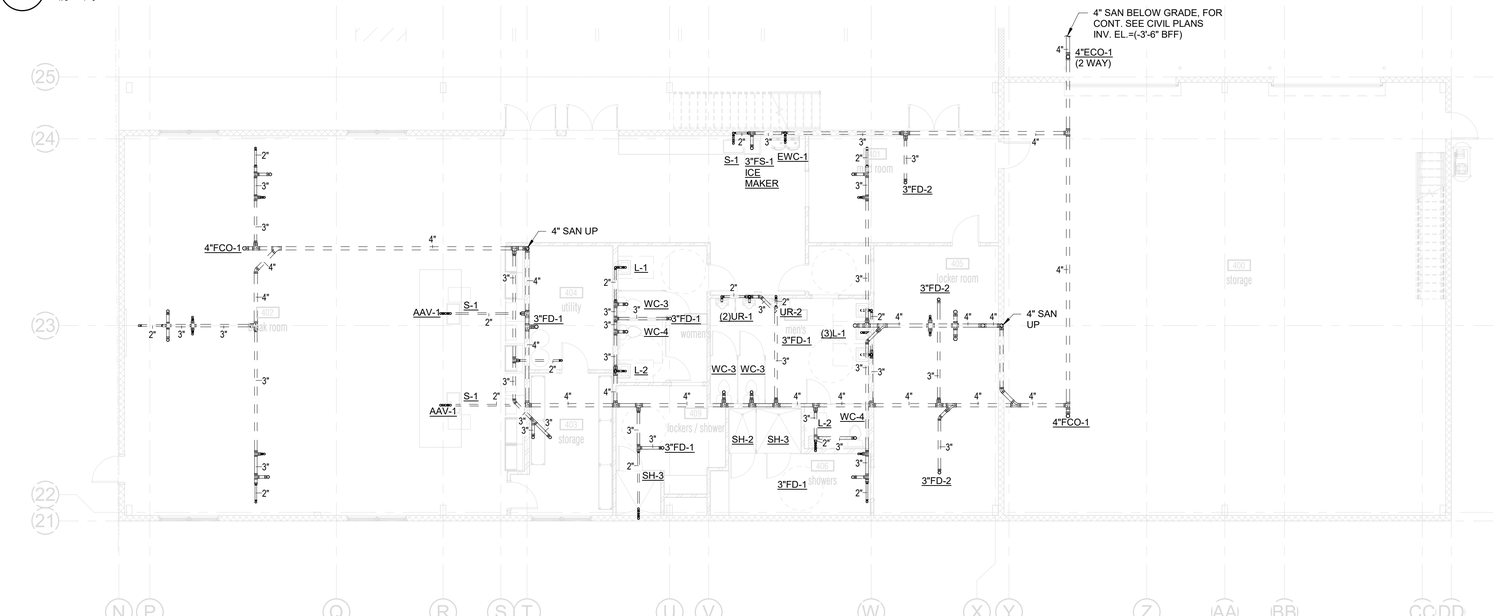
## 2 BREAKROOM AND DORMS LEVEL 2 - SANITARY SEWER - FLOOR PLAN - PLUMBING

1/8" = 1'-0"




## 1 BREAKROOM AND DORMS LEVEL 1 - SANITARY SEWER - FLOOR PLAN - PLUMBING

1/8" = 1'-0"

OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |

# P1.04.0

BUILDING 4 - SANITARY SEWER - FLOOR PLANS - PLUMBING

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4
7/20/2026

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Protection Review - Roger Sanders PX651 - Reviewed - 7/14/2026

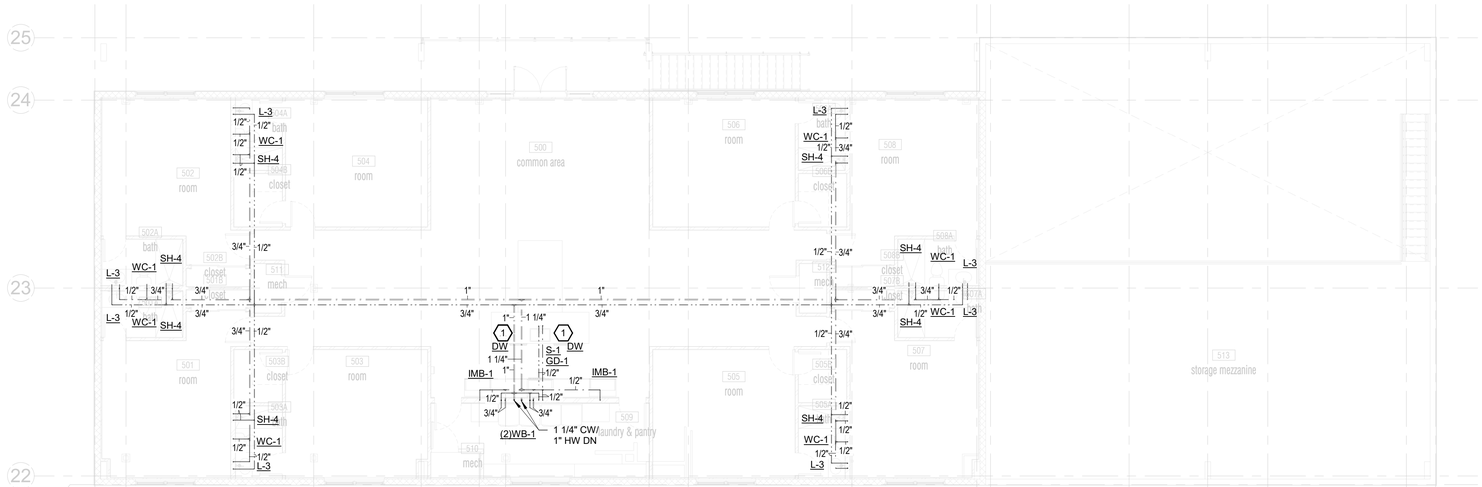
## PLUMBING FIXTURE UNIT CALCULATION

* BASED ON 2023 FLORIDA BUILDING CODE, 8TH EDITION - PLUMBING

| TYPE OF SERVICE | WATER | SANITARY |
|---|---|---|
| FIXTURE UNIT COUNT TOTAL | 61 | 85 |
| TOTAL GALLONS PER MINUTE | 32 | - |
| SIZE OF SERVICE CONNECTION | 1½" | 4" |

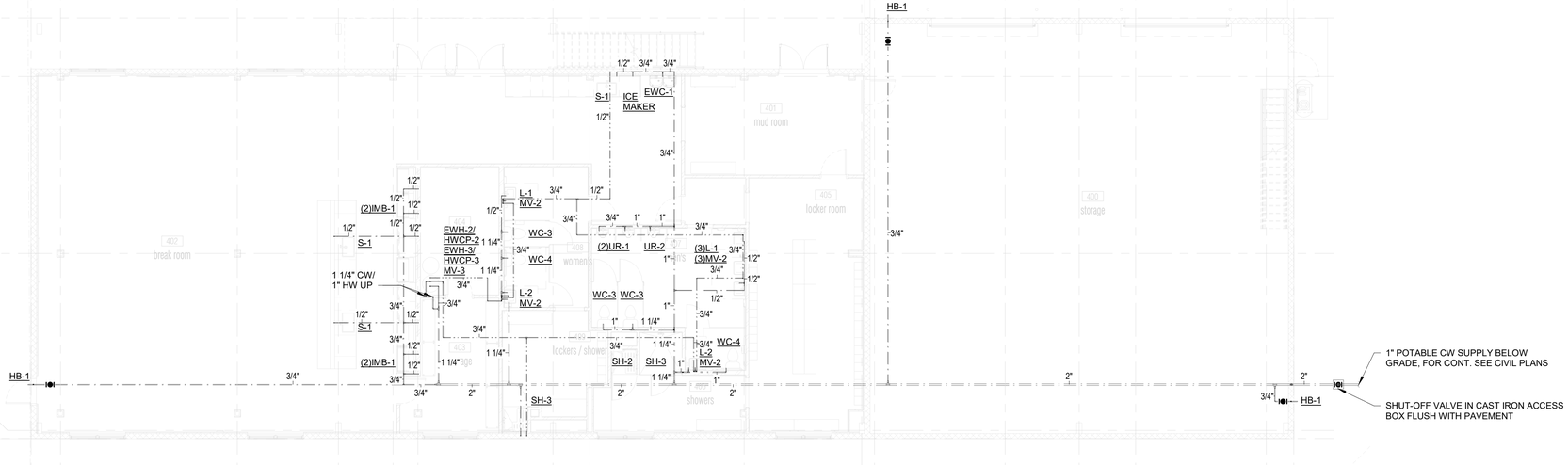
## REFERENCE NOTES:

1. 1/2" HW TO DISHWASHER, CONNECT DISHWASHER DRAIN TO SINK P-TRAP.




## 2 BREAKROOM AND DORMS LEVEL 2 - DOMESTIC WATER - FLOOR PLAN - PLUMBING

1/8" = 1'-0"




## 1 BREAKROOM AND DORMS LEVEL 1 - DOMESTIC WATER - FLOOR PLAN - PLUMBING

1/8" = 1'-0"

LAFATE WILSON
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studio@lafatewilson.com

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OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |
| 1 | PERMIT COMMENTS | 06.19.26 |

# P1.04.1

BUILDING 4 - DOMESTIC WATER - FLOOR PLANS - PLUMBING

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
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Fire Review - Jay Traina - NA to Private Provider - 7/16/2026

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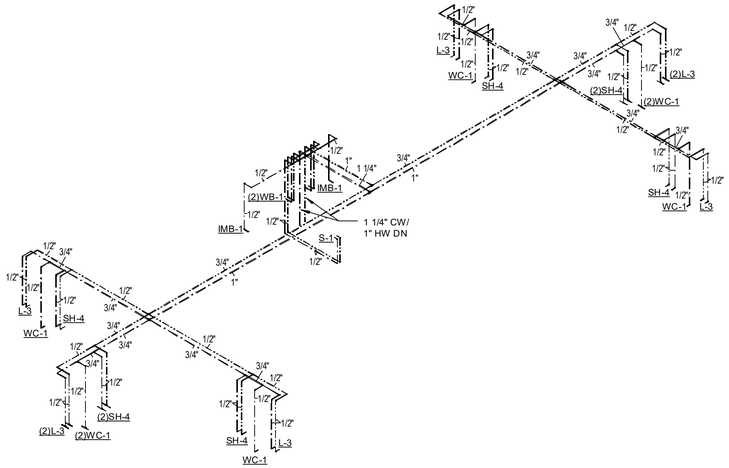
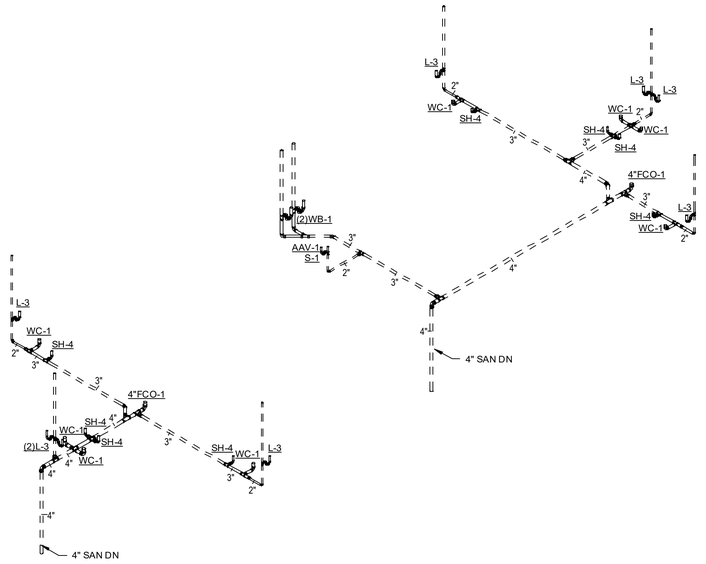
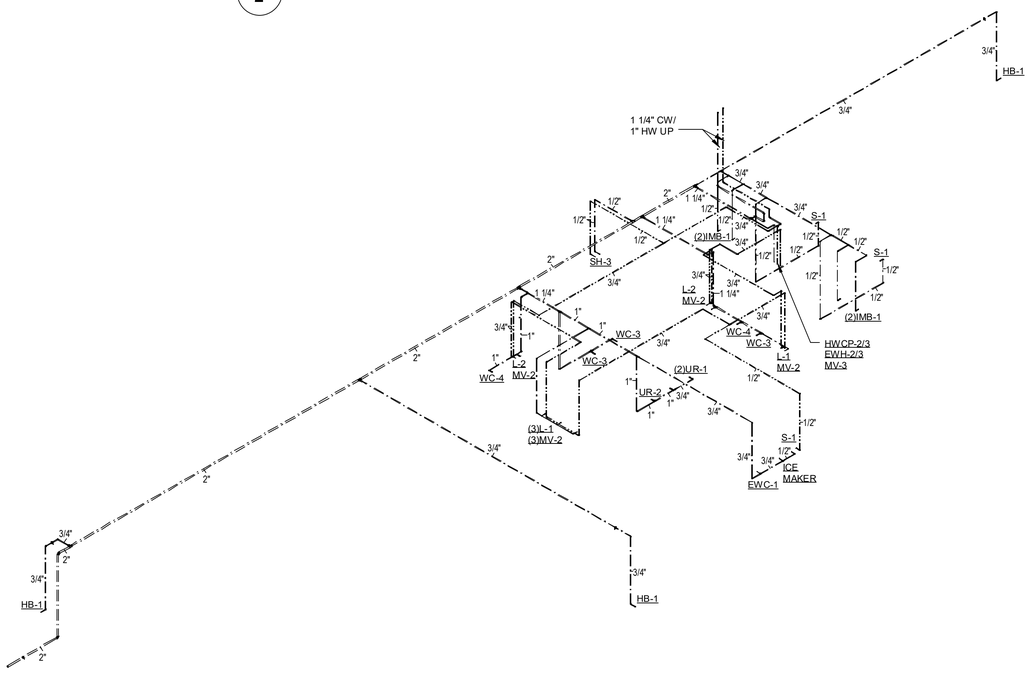


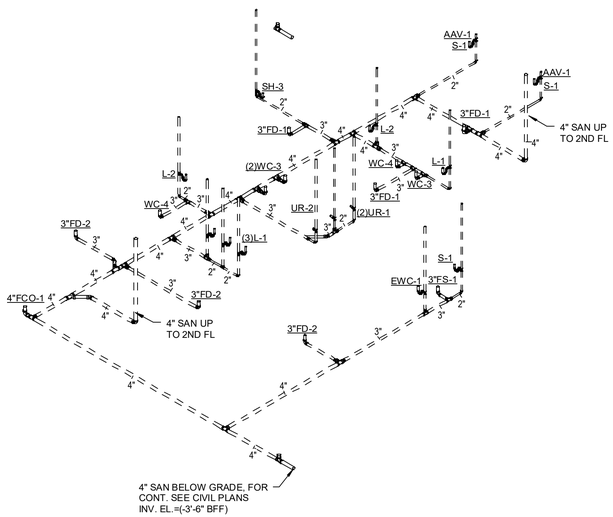

## 2 DOMESTIC WATER RISER DIAGRAM - BREAKROOM AND DORMS - 2ND FL




## 4 SANITARY RISER DIAGRAM - BREAKROOM AND DORMS - 2ND FL




## 1 DOMESTIC WATER RISER DIAGRAM - BREAKROOM AND DORMS - 1ST FL




## 3 SANITARY RISER DIAGRAM - BREAKROOM AND DORMS - 1ST FL

OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |
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P4.02

RISERS - PLUMBING

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

| |
|---|
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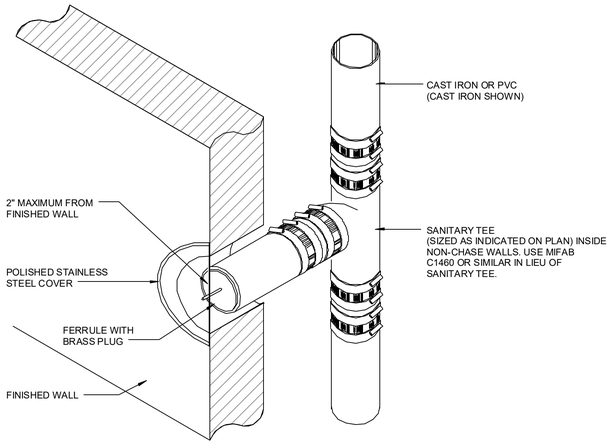
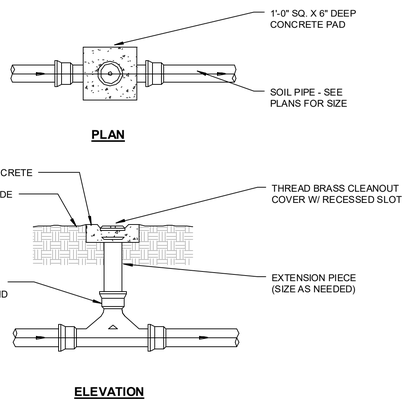
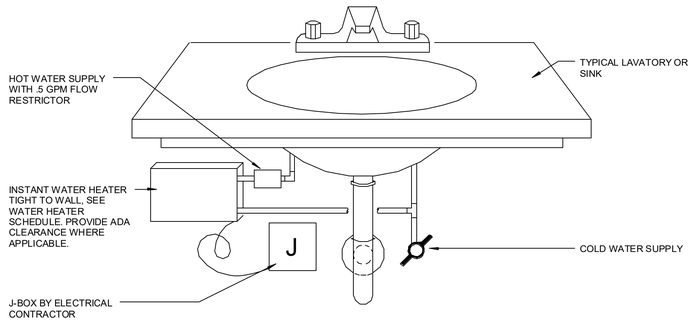


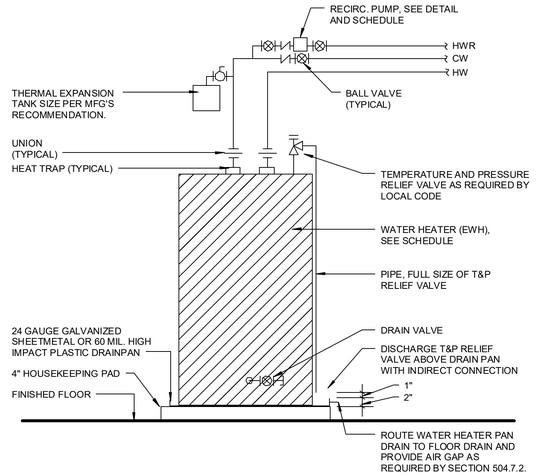

8 WALL CLEANOUT
12" = 1'-0"



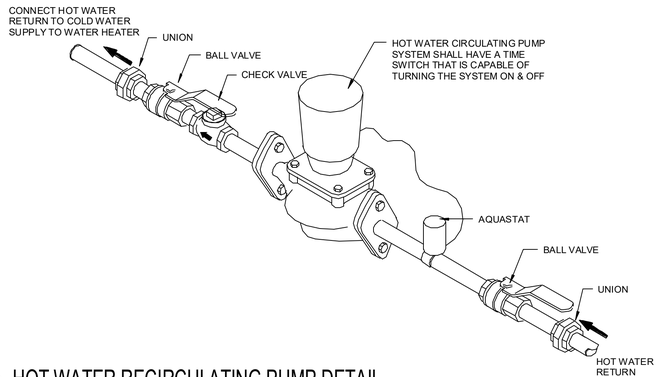

7 TWO WAY CLEANOUT
12" = 1'-0"



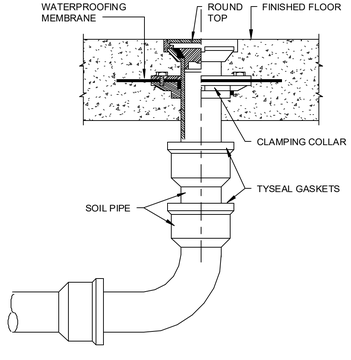

6 INSTANTANEOUS WATER HEATER DETAIL
12" = 1'-0"



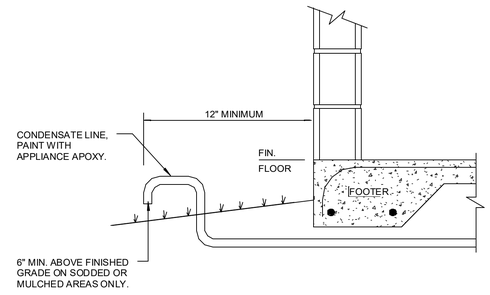

3 ELECTRIC WATER HEATER DETAIL
12" = 1'-0"



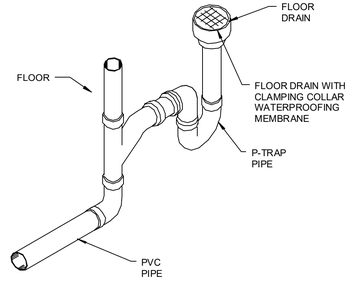

5 HOT WATER RECIRCULATING PUMP DETAIL
12" = 1'-0"




4 FLOOR CLEANOUT
12" = 1'-0"




2 CONDENSATE / PAN DRAIN TERMINATION DETAIL
12" = 1'-0"




1 AHU CONDENSATE, DRAIN PAN & T&P VALVE HUB DRAIN
12" = 1'-0"

OLD MEMORIAL

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Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |
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P5.01

DETAILS - PLUMBING

sheet size 24" x 36"

Reviewed for Code Compliance
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ECS, Florida LLC
41-5640-BLD4 7/20/2026

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# PLUMBING FIXTURE SCHEDULE

| MARK | FIXTURE | WASTE | TRAP | VENT | COLD WATER | HOT WATER | MANUFACTURER /MODEL # | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|
| AAV-1 | AIR ADMITTANCE VALVE | 1-1/2" | - | - | - | - | STUDOR TEC-VENT | MOUNT IN ACCESSIBLE LOCATION FOR MAINTENANCE. |
| WHA-1 | WATER HAMMER ARRESTOR | - | - | - | - | - | SIOUX CHIEF 650 SERIES | SIZE PER MANUFACTURER'S RECOMMENDATIONS. PDI CERTIFIED. WHA-1: SIZE "A" WHA-2: SIZE "B" REFER TO RISER DIAGRAMS FOR ARRESTOR LOCATIONS. REFER TO SPECIFICATION FOR SELECTION METHOD. |
| ECO-1 | EXTERIOR CLEAN-OUT | SIZE/ SEE DWG. | - | - | - | - | ZURN ZS1400-VP | "LEVEL-TROL" ADJUSTABLE FINISHED FLOOR CLEANOUT, DURA-COATED CAST IRON BODY WITH GAS AND WATERTIGHT ABS TAPERED THREADED PLUG, AND HEAVY DUTY CAST IRON TOP, VANDALPROOF SCREWS. |
| WCO-1 | WALL CLEAN-OUT | SIZE/ SEE DWG. | - | - | - | - | ZURN Z1446 | CAST IRON CLEAN-OUT TEE, DURA COATED BODY, GAS AND WATERTIGHT ABS TAPERED THREAD PLUG AND ROUND, SMOOTH STAINLESS STEEL WALL ACCESS COVER WITH SECURING SCREW. |
| FCO-1 | FLOOR CLEAN-OUT | SIZE/ SEE DWG. | - | - | - | - | JOSAM 57000-31 | PVC CLEAN-OUT WITH 2-WAY CLEAN-OUT TEE, COUNTER SUNK PLUG. |
| MV-1 | MIXING VALVE | SIZE/ SEE DWG. | - | - | 3/4" | 3/4" | BRADLEY S59-4200T3 | ASSE 1017 RATED, MIXING VALVE WITH INTEGRAL CHECKS. |
| MV-2 | MIXING VALVE | SIZE/ SEE DWG. | - | - | 3/4" | 3/4" | BRADLEY S59-4000-A | ASSE 1070 RATED, MIXING VALVE WITH INTEGRAL CHECKS. |
| MV-3 | MIXING VALVE | SIZE/ SEE DWG. | - | - | 3/4" | 3/4" | BRADLEY S59-9025 | ASSE 1017 RATED, MIXING VALVE WITH INTEGRAL CHECKS. |
| INT-1 | OIL/SAND INTERCEPTOR | 3" | - | - | - | - | ZURN 1188-E-HD | 100 GPM FLOW RATE, 110 GALLON CAPACITY, FABRICATED STEEL OIL INTERCEPTOR WITH INTEGRAL STORAGE TANK, ACID RESISTANT COATED INTERIOR AND EXTERIOR, FABRICATED STEEL EXTENSION AND HEAVY DUTY TRAFFIC RATED COVER. PROVIDE PLUG WRENCH. |
| RPBP-1 | REDUCED PRESSURE BACKFLOW PREVENTER | | | | | | WATTS NO. 9D, OR EQUAL | |

1. FIXTURES FOR USE BY PEOPLE WITH DISABILITIES:
   A. INSTALL IN ACCORDANCE WITH A.D.A., STATE AND LOCAL REQUIREMENTS.
   B. THE FORCE REQUIRED TO ACTIVATE FLUSH VALVES SHALL BE 5 LBS MAXIUM.
   C. FLUSH ACTIVATOR SHALL BE LOCATED ON WIDE SIDE OF THE STALL.
   D. THE FAUCET CONTROLS AND THE OPERATING MECHANISM (OPERABLE WITH ONE HAND) SHALL BE OF THE TYPE NOT REQUIRING AN OPERATING FORCE EXCEEDING 5 LBS, OR TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST.

# ELECTRIC WATER HEATER SCHEDULE

| UNIT # | TYPE | GALLONS | INPUT KW | EFF. | GPH REC. @ 70°F RISE | VOLT/PHASE CURRENT DRAW (PER PHASE) | WEIGHT (LBS.) | DIMENSIONS | MANUFACTURER | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | MANUFACTURER | MODEL # |
| EWH-1 | ELECTRIC | 40 | 4.5 | 95% | 53 | 208V - 1Ø | 473 | 48" H x 20"Ø | RHEEM | ELDS40-TB |
| EWH-2 | ELECTRIC | 40 | 4.5 | 95% | 53 | 208V - 1Ø | 473 | 48" H x 20"Ø | RHEEM | ELDS40-TB |
| EWH-3 | ELECTRIC | 40 | 4.5 | 95% | 53 | 208V - 1Ø | 473 | 48" H x 20"Ø | RHEEM | ELDS40-TB |

NOTES:
1. PROVIDE WITH EXPANSION VALVE, T & P VALVE AND WATER HEATER DRAIN PAN.
2. COORDINATE WATER HEATER LOCATION AND PIPING WITH MECHANICAL AND ELECTRICAL PLANS.

# PUMP SCHEDULE

| UNIT # | DESCRIPTION | TYPE | GPM | FT HEAT | PUMP EFF. % | CONN. SIZE | | MOTOR DATA | | | | SELECTION BASED ON: | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | INLET | OUTLET | HP | RPM | VOLT | PH. | MANUFACTURER | MODEL | |
| HWCP-1 | HOT WATER CIRCULATION PUMP | IN LINE PUMP | 3 | 12 | 70 | 3/4" | 3/4" | 1/6 | 1750 | 120 | 1 PH | BELL & GOSSETT | SERIES 60 | PROVIDE AQUASTAT AND TIME CLOCK. |

# ELECTRIC INSTANTANEOUS WATER HEATER SCHEDULE

| UNIT # | SERVING | TYPE | GALLONS | INPUT KW | RECOVERY (GPM) | VOLT/PHASE CURRENT DRAW (PER PHASE) | WEIGHT (LBS.) | DIMENSIONS | MANUFACTURER | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | MANUFACTURER | MODEL # |
| IWH-1 | SINKS | ELECTRIC | INSTANTANEOUS | 8.3 | 57 DEG RISE @ 1 GPM | 208V - 1Ø | 4.5 | 10"H x 5.5"W x 4"D | EEMAX | PA008208T |

NOTES:
1. COORDINATE WATER HEATER SERVICES, PIPING AND LOCATION WITH MECHANICAL AND ELECTRICAL PLANS.

# PDI SIZING METHOD FOR GREASE TRAP

| |
|---|
| EFFECTIVE CAPACITY OF GREASE INTERCEPTOR (GALLONS) |
| 3 COMPARTMENT SINK @ 16"x20x"10" EA. x 2 = 6400 |
| CONTENTS IN GALLONS: CUBIC INCHES DIVIDED BY 231 = 27.7 GALLONS |
| ACTUAL DRAINAGE LOAD 0.75 x 27.7 = 20.8 GALLONS |
| CALCULATION FOR FLOW RATE FOR ONE MINUTE PERIOD: |
| 14/1 = 14 GPM FLOW RATE |
| FOR ONE MINUTE PERIOD |
| 20 GPM REQUIRES ONE SCHIER GB-1 (20GPM/70LBS) GREASE TRAP (GI-1) |

# PLUMBING FIXTURE SCHEDULE

| MARK | FIXTURE | WASTE | TRAP | VENT | COLD WATER | HOT WATER | MANUFACTURER /MODEL # | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|
| WC-1 | WATER CLOSET | 3" | INTEG | 2" | 1/2" | - | KOHLER K-3998-0 | TANK TYPE - RIM 14-¼" AFF, VITREOUS CHINA, 1.0 GPF, SIPHON JET, ELONGATED BOWL, FLOOR MOUNTED, CLOSED COUPLED COMBINATION; BOLT CAPS. ANGLE STOP SUPPLIES & ESCUTCHEONS. COORDINATE FINISH WITH ARCHITECT. SOLID PLASTIC, ELONGATED WHITE SEAT, KOHLER K-4636. FLUSH CONTROLS TO BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET. |
| WC-2 | WATER CLOSET - ADA | 3" | INTEG | 2" | 1/2" | - | KOHLER K-3493-0 | TANK TYPE - RIM 17-¼" AFF, VITREOUS CHINA, 1.0 GPF, SIPHON JET, ELONGATED BOWL, FLOOR MOUNTED, CLOSED COUPLED COMBINATION; BOLT CAPS. ANGLE STOP SUPPLIES & ESCUTCHEONS. COORDINATE FINISH WITH ARCHITECT. SOLID PLASTIC, ELONGATED WHITE SEAT, KOHLER K-4636. FLUSH CONTROLS TO BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET. |
| WC-3 | WATER CLOSET BREAKROOM | 3" | INTEG | 2" | 1" | - | KOHLER K-96053-0 KOHLER K-76321 | VITREOUS CHINA, 15-½" MOUNTING HEIGHT INCLUDING SEAT, 1.28 GALLON, FLOOR MOUNTED, SIPHON JET, ELONGATED CLOSET BOWL WITH 1-1/2" TOP SPUD. 1.28 GALLON CHROME PLATED FLUSH VALVE(EXPOSED), 1-INCH I.P.S. SCREW DRIVER ANGLE STOP WITH PROTECTIVE CAP, ADJUSTABLE TAILPIECE, VACUUM BREAKER |
| WC-4 | WATER CLOSET - ADA BREAKROOM | 3" | INTEG | 2" | 1" | - | KOHLER K-96057-0 KOHLER K-76321 | VITREOUS CHINA, 16-½" MOUNTING HEIGHT INCLUDING SEAT, 1.28 GALLON, FLOOR MOUNTED, SIPHON JET, ELONGATED CLOSET BOWL WITH 1-1/2" TOP SPUD. 1.28 GALLON CHROME PLATED FLUSH VALVE(EXPOSED), 1-INCH I.P.S. SCREW DRIVER ANGLE STOP WITH PROTECTIVE CAP, ADJUSTABLE TAILPIECE, VACUUM BREAKER |
| L-1 | LAVATORY | 1-1/2" | 1-1/4" | 1-1/2" | 1/2" | 1/2" | KOHLER K-2882-0 BRADLEY S53-3700 | 19-½" RECTANGULAR UNDERMOUNT BATHROOM SINK, VITREOUS CHINA, SINGLE HOLE PUNCH, WHITE, OVERFLOW DRAIN. COMPLETE WITH RAP AND TRIM RINGS. |
| L-2 | LAVATORY - ADA | 1-1/2" | 1-1/4" | 1-1/2" | 1/2" | 1/2" | DURAVIT 07054500002 BRADLEY S53-3700 | BARRIER FREE - 17-½" x 13-½", WALL MOUNTED, VITREOUS CHINA SINK. BRASSCRAFT ¼ TURN ANGLE STOP SUPPLIES W/SUPPLY TUBES AND ESCUTCHEONS. PROVIDE CHAIR CARRIER AND FLOOR DRAIN TRAP GUARDS. |
| L-3 | LAVATORY DORMS | 1-1/2" | 1-1/4" | 1-1/2" | 1/2" | 1/2" | KOHLER K-2983-0 BRADLEY S53-3700 | 15-½" ROUND UNDERMOUNT BATHROOM SINK, VITREOUS CHINA, SINGLE HOLE PUNCH, WHITE, OVERFLOW DRAIN. COMPLETE WITH RAP AND TRIM RINGS. |
| S-1 | SINGLE COMPARTMENT SINK | 2" | 2" | 1-1/2" | 1/2" | 1/2" | AMERICAN STANDARD 18SB8252211.075 7074100.002 | 25"x22" 18-GAUGE STAINLESS STEEL, TOP MOUNT SINK. SINGLE HOLE, SINGLE BOWL SUPPLY WITH MOUNTING CLIPS AND COLONY PRO SINGLE-HANDLE PULL-OUT SPRAY KITCHEN FAUCET. |
| SH-1 | SHOWER | 2" | 2" | 1-1/2" | 1/2" | 1/2" | STERLING QC-SS-39 CLEVELAND FAUCET 46302CGR | 39-3/8" x 39-3/8" VIKRELL SHOWER BASE, TEXTURED FLOOR, INTEGRATED TILING FLANGE, CENTER DRAIN. PRESSURE BALANCE SHOWER, METAL LEVER HANDLE, 1.75 GPM SINGLE FUNCTION SHOWER HEAD. PROVIDE WITH KOHLER RITE-TEMP/KP8304-KS. |
| SH-2 | SHOWER | 2" | 2" | 1-1/2" | 1/2" | 1/2" | - CLEVELAND FAUCET 46302CGR | 60" x 36" VIKRELL SHOWER BASE, TEXTURED FLOOR, INTEGRATED TILING FLANGE, CENTER DRAIN. PRESSURE BALANCE SHOWER, METAL LEVER HANDLE, 1.75 GPM SINGLE FUNCTION SHOWER HEAD. PROVIDE WITH KOHLER RITE-TEMP/KP8304-KS. |
| SH-3 | SHOWER | 2" | 2" | 1-1/2" | 1/2" | 1/2" | - CLEVELAND FAUCET 46302CGR | 60" x 60" VIKRELL SHOWER BASE, TEXTURED FLOOR, INTEGRATED TILING FLANGE, CENTER DRAIN. PRESSURE BALANCE SHOWER, METAL LEVER HANDLE, 1.75 GPM SINGLE FUNCTION SHOWER HEAD. PROVIDE WITH KOHLER RITE-TEMP/KP8304-KS. |
| SH-4 | SHOWER DORMS | 2" | 2" | 1-1/2" | 1/2" | 1/2" | - CLEVELAND FAUCET 46302CGR | 62" x 36" VIKRELL SHOWER BASE, TEXTURED FLOOR, INTEGRATED TILING FLANGE, CENTER DRAIN. PRESSURE BALANCE SHOWER, METAL LEVER HANDLE, 1.75 GPM SINGLE FUNCTION SHOWER HEAD. PROVIDE WITH KOHLER RITE-TEMP/KP8304-KS. |
| UR-1 | URINAL | 2" | INTEG | 2" | 3/4" | - | AMERICAN STANDARD 6561017.020 6063101.002 | LIP +17" VITREOUS CHINA, WHITE, WALL HUNG SIPHON JET FLUSH URINAL COMPLETE WITH 3/4" TOP SPUD AND WALL HANGERS. PROVIDE AMERICAN STANDARD SELECTRONIC TOUCHLESS FLUSH VALVE, DC POWER FOR ALL URINALS. |
| UR-2 | URINAL - ADA | 2" | INTEG | 2" | 3/4" | - | AMERICAN STANDARD 6561017.020 6063101.002 | LIP +17" VITREOUS CHINA, WHITE, WALL HUNG SIPHON JET FLUSH URINAL COMPLETE WITH 3/4" TOP SPUD AND WALL HANGERS. PROVIDE AMERICAN STANDARD SELECTRONIC TOUCHLESS FLUSH VALVE, DC POWER FOR ALL URINALS. |
| 2CS | 2 COMPARTMENT SINK | SIZE/ SEE DWG. | 1-1/2" | 1-1/2" | 3/4" | 3/4" | BK RESOURCES BKS-2-1620-10-18TS KROWNE 14-810L | TWO 16"X20"X10" COMPARTMENT SINK STAINLESS STEEL LEG 18" DRAINBOARD L&R. 10" SWING SPOUT FAUCET SPLASH MOUNT 8" CENTER LOW LEAD |
| IMB-1 | ICE MAKER BOX | - | - | - | 1/2" | - | OATEY 38491 | BULK MOLDED COMPOUND, FIRE-RATED BOX W/ DIMENSION OF 8.63" HIGH x 8.13" WIDE. ¼ TURN BRASS BALL VALVE WITH WATER HAMMER ARRESTOR. |
| WB-1 | WASHER BOX | 3" | 2" | 1-1/2" | 3/4" | 3/4" | OATEY 38247 PLUMBCRAFT 7639500T | VALVE 36"AFF. HIGH IMPACT PLASTIC BOX W/ DIMENSION OF 7" HIGH x 9.89" WIDE. TWO ¼ TURN ANGLE VALVES WITH WATER HAMMER ARRESTORS, ¾" DIA. SUPPLY CONNECTION. NYLON LINT TRAP FOR WASHING MACHINE DRAIN SYSTEM. |
| HB-1 | HOSE BIBB | - | - | - | 3/4" | - | WOODFORD B24 | SANITARY, AUTO DRAINING, WITH VACUUM BREAKER, BACKFLOW PROTECTED. SEE PLANS FOR WALL THICKNESS AND MOUNTING HEIGHT. |
| FD-1 | FLOOR DRAIN | SIZE/ SEE DWG. | - | - | - | - | ZURN ZN415S | DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND SQUARE TYPE 'B' POLISHED NICKEL BRONZE STRAINER. |
| FD-2 | FLOOR DRAIN | SIZE/ SEE DWG. | - | - | - | - | ZURN ZN415SH | DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND TYPE 'SH' POLISHED NICKEL BRONZE, SQUARE HINGED, LIGHT DUTY STRAINER. |
| FS-1 | FLOOR SINK | SIZE/ SEE DWG. | - | - | - | - | ZURN Z1900 | DURA-COATED CAST IRON 12"x12"x6" BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND SQUARE TYPE 'B' POLISHED NICKEL BRONZE HALF GRATE. PROVIDE 1/2" COLD WATER TRAP PRIMER CONNECTION. |
| FS-2 | FLOOR SINK | SIZE/ SEE DWG. | - | - | - | - | ZURN Z1901 | DURA-COATED CAST IRON 12"x12"x8" BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND SQUARE TYPE 'E' POLISHED NICKEL BRONZE HALF GRATE. PROVIDE 1/2" COLD WATER TRAP PRIMER CONNECTION. |
| EW-1 | EYE WASH STATION | SIZE/ SEE DWG. | - | - | 3/4" | - | BRADLEY S19-212 | PEDESTAL MOUNT EYE/FACE WASH UNIT WITH PLASTIC BOWL. |
| EWC-1 | ELECTRIC WATER COOLER HI/LOW W/ BOTTLE FILLER | 2" | 1-1/2" | 1-1/2" | 1/2" | - | ELKAY LZSTL8WSLK | LOWER BUBBLER 32-½" AFF; UPPER 38-½" AFF. BOTTLE FILLING STATION WITH ELECTRONIC BOTTLE FILLER SENSOR WITH ELECTRONIC FRONT AND SIDE BUBBLER PUSHBAR ACTIVATION. WALL MOUNTED CAPACITY TO DELIVER 8 GPH OF 50°F WATER WITH INLET TEMP. OF 80°F AND ROOM TEMP. OF 90°F, STAINLESS STEEL BASIN & PEWTER VINYL W/ 1/5 HP., 120V/1Ø. |

1. FIXTURES FOR USE BY PEOPLE WITH DISABILITIES:
   A. INSTALL IN ACCORDANCE WITH A.D.A., STATE AND LOCAL REQUIREMENTS.
   B. THE FORCE REQUIRED TO ACTIVATE FLUSH VALVES SHALL BE 5 LBS MAXIUM.
   C. FLUSH ACTIVATOR SHALL BE LOCATED ON WIDE SIDE OF THE STALL.
   D. THE FAUCET CONTROLS AND THE OPERATING MECHANISM (OPERABLE WITH ONE HAND) SHALL BE OF THE TYPE NOT REQUIRING AN OPERATING FORCE EXCEEDING 5 LBS, OR TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST.

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OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |
| 1 | PERMIT COMMENTS | 06.19.26 |
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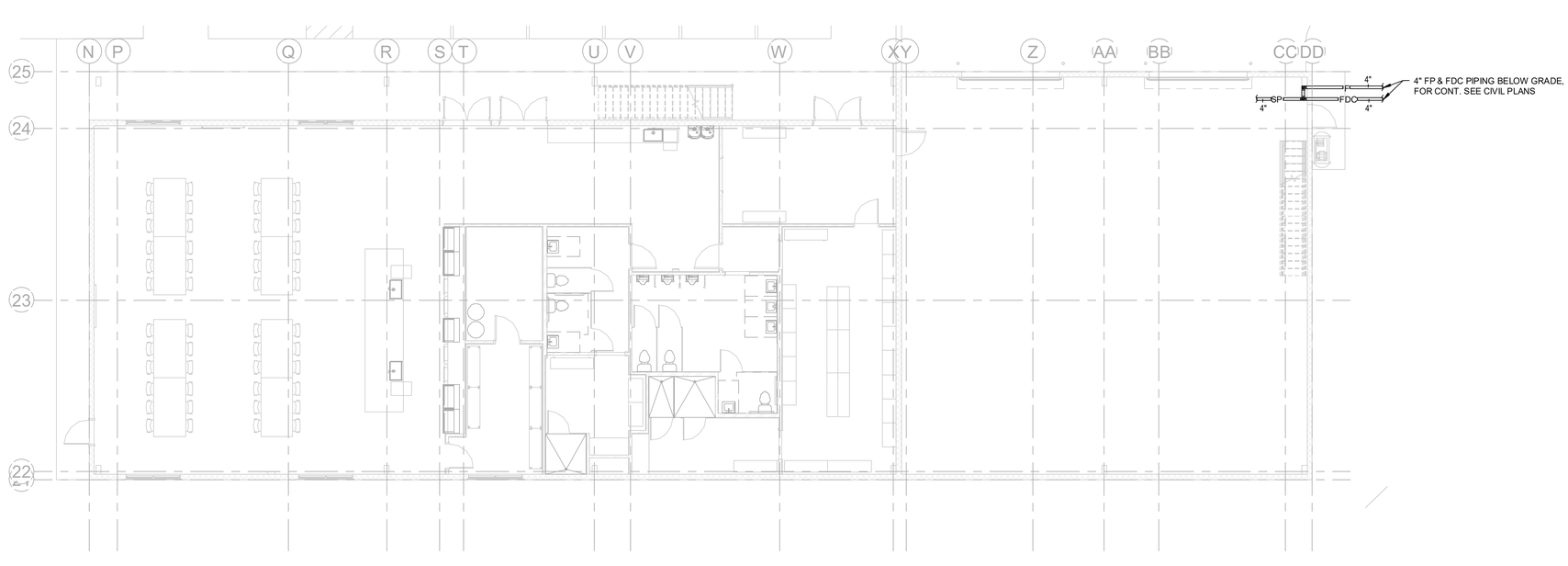
P6.01

SCHEDULES - PLUMBING

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

| |
|---|
| Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026 |
| Fire Review - Jay Traina - NA to Private Provider - 7/16/2026 |




1 BREAKROOM AND DORMS LEVEL 1 - FIRE PROTECTION - FLOOR PLAN - PLUMBING
1/8" = 1'-0"

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# FP1.01.0

BUILDING 4 - FIRE PROTECTION - FLOOR PLANS - PLUMBING

sheet size 24" x 36"

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
41-5640-BLD4 7/20/2026

Building Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Electrical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Mechanical Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Plumbing Review - Roger Sanders PX651 - Reviewed - 7/14/2026
Fire Review - by Frame - Non-Private Provider - 7/16/2026

## FIRE PROTECTION LEGEND

| | |
|---|---|
| —F— | FIRE PROTECTION PIPING |
| —SP— | FIRE SPRINKLER PIPING |
| —FDC— | FIRE DEPARTMENT CONNECTION PIPING |
| | PIPE TURNING DOWN |
| | PIPE TURNING UP |
| | PIPE CAP |
| | CONTROL VALVE |
| | CHECK VALVE |
| | OS&Y GATE VALVE |
| | VALVE WITH TAMPER SWITCH |
| DABP | DOUBLE ASSEMBLY BACKFLOW PREVENTOR |
| FDV | FIRE DEPARTMENT VALVE |
| FDC | FIRE DEPARTMENT CONNECTION |
| FS | FLOW SWITCH |
| FVC | FIRE VALVE CABINET |
| GPM | GALLONS PER MINUTE |
| ITC | INSPECTOR'S TEST CONNECTION |
| PIV | POST INDICATOR VALVE |
| POS | POINT-OF-SERVICE |
| PS | PRESSURE SWITCH |
| PSI | POUNDS PER SQUARE INCH |
| SF | SQUARE FOOT |
| SP | STANDPIPE |
| TS | TAMPER SWITCH |
| WP | WET PIPE |

NOTE: GENERAL NOTES, ABBREVIATIONS AND SYMBOLS ON THIS SHEET ARE FOR GENERAL REFERENCE PURPOSES ONLY. ALL OF THESE MAY NOT BE USED FOR THIS PROJECT.

## FIRE PROTECTION GENERAL NOTES

APPLICABLE CODES: FBC FLORIDA BUILDING CODE (2023) 8TH EDITION
FFPC FLORIDA FIRE PREVENTION CODE (2023) 8TH EDITION
NFPA 13 (2019), NFPA 24 (2019), AND
NFPA 25 (2020)

1. WET PIPE SPRINKLER SYSTEM DESIGNED PER NFPA 13, LIGHT HAZARD/ORDINARY HAZARD OCCUPANCIES.
2. ALL FIRE SPRINKLERS SHALL BE IN ACCORDANCE WITH NFPA 13. SPRINKLERS SHALL BE OF THE QUICK RESPONSE TYPE UNLESS OTHERWISE NOTED.
3. ALL MATERIALS, FABRICATION AND INSTALLATION IS TO BE IN ACCORDANCE WITH NFPA 13, NFPA AND APPROVED BY THE LOCAL AUTHORITIES.
4. ALL HANGERS AND MATERIALS TO BE IN ACCORDANCE WITH NFPA 13.
5. FIRE SPRINKLER CONTRACTOR WILL VISIT THE SITE AND VERIFY ALL CONDITIONS BEFORE ANY FABRICATION AND INSTALLATION HAS BEGUN.
6. FIRE SPRINKLER CONTRACTOR WILL COORDINATE WORK WITH OTHER TRADES THAT MAY COME INTO CONFLICT BEFORE ANY INSTALLATION.
7. FIRE SPRINKLER CONTRACTOR TO COORDINATE SPRINKLER LOCATIONS WITH ALL OTHER CEILING AND WALL FIXTURES. SEE ARCHITECTURAL PLANS FOR CEILING FIXTURE LOCATIONS.
8. ALL BRANCH LINES AND CROSS MAINS ON TO BE BLAZEMASTER CPVC (OR APPROVED EQUAL) PER THEIR LISTING AND GALVANIZED STEEL PIPE FOR DRY PIPE SYSTEM ANY EXPOSED PIPING INCLUDING THE FIRE SPRINKLER RISER. ALL TRANSITIONS FROM STEEL TO CPVC PIPING WILL BE MADE WITH UL APPROVED FITTINGS.
9. ALL FITTINGS FOR CPVC BRANCH LINES AND CROSS MAINS TO BE BLAZEMASTER CPVC (OR APPROVED EQUAL). ALL FITTINGS FOR THE GALVANIZED STEEL PIPING SHALL BE BLACK CAST IRON OR GROOVED.
10. ALL FIRE SPRINKLER COMPONENTS SHALL BE U.L. APPROVED.
11. UPRIGHT SPRINKLERS TO BE LOCATED BETWEEN 1" AND 12" BELOW ROOF DECK WHERE REQUIRED.
12. SPRINKLER HEAD SPACING IS PER NFPA 13 AND MANUFACTURER'S LISTING.
13. THE CONSTRUCTION MANAGER SHALL PROVIDE, OR HAVE PROVIDED, A SET OF COORDINATION DRAWINGS FOR ALL SYSTEMS AND FEATURES THAT OCCUR ABOVE THE CEILING PLANE. THE COORDINATION DRAWINGS SHALL INCLUDE, BUT NOT BE LIMITED TO, STRUCTURAL MEMBERS, HVAC DUCTWORK, HYDRAULIC PIPING, PLUMBING SUPPLY AND WASTE PIPING, FIRE PROTECTION PIPING, ELECTRICAL POWER CONDUITS AND RACEWAYS, AND ELECTRICAL LOW VOLTAGE CONDUITS AND RACEWAYS. THE COORDINATION DRAWINGS SHALL PROVIDE, APPORTION, AND COORDINATE SPACE FOR ALL SYSTEMS, HORIZONTALLY AND VERTICALLY ABOVE THE CEILING PLANE TO THE STRUCTURAL DECK ABOVE ALLOWING EACH TRADE CONTRACTOR THE SPACE TO PROPERLY EXECUTE HIS PORTION OF THE WORK.
14. ALL GROOVED FITTINGS TO BE "VICTAULIC" FITTINGS OR APPROVED EQUAL.
15. ALL PENETRATIONS THRU 1-HOUR AND 2-HOUR RATED WALLS TO BE PATCHED AS NECESSARY.
16. ALL DIMENSIONS TO BE VERIFIED DURING FIELD CHECK OF SPRINKLER SYSTEM.
17. THE FOLLOWING ARE ACCEPTABLE SPRINKLER HEAD MATERIAL MANUFACTURERS: RELIABLE, TYCO, VICTAULIC, VIKING.
18. FLOW SWITCHES, TAMPER SWITCHES AND ALARM BELL SHALL BE PROVIDED AND INSTALLED BY THE FIRE SPRINKLER CONTRACTOR. SPRINKLER SYSTEMS AND ALL ASSOCIATED FIRE PROTECTION SIGNALS SHALL BE SUPERVISED BY AN APPROVED CENTRAL, PROPRIETARY, AUXILIARY, OR REMOTE STATION SYSTEM IN ACCORDANCE WITH NFPA 13. ALL WIRING TO BE PROVIDED BY ELECTRICAL CONTRACTOR.
19. FIRE PROTECTION SHOP DRAWINGS, HYDRAULIC CALCULATIONS, AND MATERIAL DATA SUBMITTALS ARE TO BE SUBMITTED TO THE ARCHITECT AND ENGINEER OF RECORD FOR REVIEW AND APPROVAL.
20. THE INTENT, AND EXTENT, OF THIS SYSTEM DESIGN IS AS ILLUSTRATED, BUT IS DIAGRAMMATIC ONLY. IT IS THE RESPONSIBILITY OF THE FIRE SPRINKLER CONTRACTOR TO ASSEMBLE A SET OF DRAWINGS DEPICTING THE ACTUAL PIPING CONFIGURATION FOR EACH BUILDING IN ITS ENTIRETY PRIOR TO SUBMITTAL TO ENGINEER OF RECORD FOR REVIEW. HYDRAULIC CALCULATIONS ARE PROVIDED TO VERIFY THE ADEQUACY OF THE WATER SUPPLY. THE SPRINKLER CONTRACTOR SHALL PROVIDE A SET OF HYDRAULIC CALCULATIONS FOR EACH BUILDING TYPE USING A FLOW TEST CURRENT TO WITHIN SIX MONTHS.
21. CORROSION PROTECTION FOR ALL UNDERGROUND BOLTED JOINT ACCESSORIES SHALL BE CLEANED AND THOROUGHLY COATED WITH ASPHALT OR OTHER CORROSION-RETARDING MATERIAL AFTER INSTALLATION IN ACCORDANCE WITH NFPA 13 SECTION 10.3.6.2.
22. THE UNDERGROUND MAIN STARTING AT THE PUBLIC WATER UTILITY POINT OF CONNECTION HAS BEEN DESIGNED TO NFPA 24. INSTALLATION AND TESTING MUST BE IN ACCORDANCE WITH NFPA 24.
23. ALL TEES, PLUGS, CAPS, BENDS, REDUCERS, VALVES, AND HYDRANT BRANCHES SHALL BE RESTRAINED AGAINST MOVEMENT BY USING THRUST BLOCKS OR RESTRAINED JOINT SYSTEMS IN ACCORDANCE WITH NFPA 24.
24. ALL FIRE SPRINKLER COMPONENTS ARE TO BE RATED FOR THE MAXIMUM SYSTEM WORKING PRESSURE TO WHICH THEY ARE EXPOSED IN ACCORDANCE WITH NFPA 13.
25. THE COMPONENTS OF THE FIRE PROTECTION SYSTEM(S) FURNISHED UNDER THIS DIVISION OF THE SPECIFICATIONS SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE THEREOF, EITHER FOR BENEFICIAL USE OR FINAL ACCEPTANCE, WHICHEVER IS EARLIER, AGAINST DEFECTIVE MATERIALS, DESIGN, AND WORKMANSHIP. UPON RECEIPT OF NOTICE FROM THE ARCHITECT OF FAILURE OF ANY PART OF THE EQUIPMENT DURING THE GUARANTEE PERIOD, THE AFFECTED PART OR PARTS SHALL BE REPLACED PROMPTLY WHICH INCLUDES REMOVING THE DEFECTIVE PART OR PARTS, REPLACING AND INSTALLING THE NEW PART OR PARTS AND AT THE EXPENSE OF THE CONTRACTOR.
26. CPVC PIPING SHALL BE COMPATIBLE WITH ANTI-MICROBIAL COATED BLACK STEEL FIRE SPRINKLER PIPE. TESTING HAS SHOWN THAT CERTAIN ANTI-MICROBIAL COATING PRODUCTS CAN BE COMPATIBLE WITH CPVC PIPING. HOWEVER, THE POTENTIAL FOR COMPATIBILITY PROBLEMS CAN BE PRESENT IN INSTALLATIONS WHERE CPVC MATERIALS ARE HIGHLY STRESSED.
27. THE FIRE SPRINKLER CONTRACTOR SHALL PREPARE DETAILED WORKING PLANS IN ACCORDANCE WITH NFPA 13, NFPA 14 THE FIRE PROTECTION SYSTEM LAYOUT SHALL FOLLOW THE DESIGN GUIDELINES SET FORTH IN THESE FIRE PROTECTION SYSTEM ENGINEERING DOCUMENTS.
28. THE FIRE SPRINKLER CONTRACTOR SHALL OBTAIN THE ACCEPTANCE TESTS FROM THE LOCAL AUTHORITY. THE ACCEPTANCE TEST FOR THE OVERHEAD SPRINKLER SYSTEM PIPING SHALL BE IN ACCORDANCE WITH NFPA 13 CHAPTER 10 USING THE MATERIAL AND TEST CERTIFICATE FOR ABOVEGROUND PIPING IN FIGURE 10.1.2. THE ACCEPTANCE TEST FOR THE UNDERGROUND PIPING SHALL BE IN ACCORDANCE WITH NFPA 13 CHAPTER 10, SECTION 10.10 USING THE MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING IN FIGURE 10.10.1.
29. THE POINT OF SERVICE IS INDICATED AT THE SYSTEM SIDE OF THE BACKFLOW PREVENTER. AT THIS POINT, THE SYSTEM IS DEDICATED SOLELY FOR FIRE PROTECTION PURPOSES. NO DOMESTIC WATER SHALL BE TAKEN FROM THE SYSTEM BEYOND THIS POINT FOR OTHER PURPOSES.
30. SEE CIVIL UTILITIES PLAN FOR WATER SUPPLY PIPING LOCATIONS.
31. IF THE FLOW TEST BECOMES GREATER THAN SIX (6) MONTHS OLD BY THE TIME OF FIRE SPRINKLER PERMIT SUBMITTAL, A NEW TEST SHALL BE OBTAINED BY THE FIRE SPRINKLER CONTRACTOR.
32. VALVE AND ALARM REQUIREMENTS: ALL CONTROL VALVES ON SPRINKLER RISERS AND FIRE PROTECTION BACKFLOW PREVENTERS SHALL HAVE A TAMPER SWITCH. THE FLOW SWITCH SHALL BE SET TO NOT ALARM WITH MINOR CITY WATER PRESSURE FLUCTUATIONS. HOWEVER, THE FLOW OF ONE SPRINKLER HEAD SHALL PRODUCE AN ALARM CONDITION BY TRIPPING THE FLOW SWITCH. ALL FLOW AND TAMPER SWITCHES SHALL BE CONNECTED TO THE BUILDING FIRE ALARM PANEL. FLOW SWITCHES SHALL ALSO SOUND THE ELECTRIC ALARM BELL ON THE OUTSIDE WALL. FIRE SPRINKLER CONTRACTOR SHALL VERIFY AND TEST PER NFPA 13.
33. THE LOCAL WATER PURVEYOR IS REQUESTED TO ADVISE THE ENGINEER OF RECORD IF CONDITIONS EXIST IN THEIR WATER SUPPLY THAT COULD LEAD TO MIC, SO THAT THE ENGINEER CAN DESIGN CORRECTIVE MEASURES. THERE ARE NO KNOWN MIC CONDITIONS IN THE LOCAL WATER SUPPLY.
34. BACKFLOW PREVENTER AND METERING SPECIFICATIONS SHALL MEET OR EXCEED REQUIREMENTS OF THE LOCAL JURISDICTION.
35. YARD AND INTERIOR FIRE PROTECTION COMPONENTS: PRODUCT DATA SHEETS SHALL BE SUBMITTED BY THE SPRINKLER CONTRACTOR ALONG WITH THEIR SHOP DRAWINGS. ALL FIRE PROTECTION DEVICES AND COMPONENTS SHALL BE UL LISTED AND FM APPROVED.

## FIRE SERVICE PIPE MATERIAL & TESTING NOTES

1. ALL PRIVATE FIRE SERVICE MAINS/LINES LOCATED DOWNSTREAM OF THE POINT OF SERVICE SHALL BE INSTALLED BY A QUALIFIED AND LICENSED CONTRACTOR CLASS I, II, OR V WITH 3" MINIMUM COVER. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE FIRE CODES. CONTRACTOR TO VERIFY REQUIREMENTS BEFORE START OF CONSTRUCTION. COMBINATION MAINS (SHARED DOMESTIC AND FIRE SUPPRESSION SERVICE) UP TO THE DEDICATED FIRE SUPPRESSION SYSTEM POINT OF SERVICE CAN BE INSTALLED BY A LICENSED UNDERGROUND EXCAVATION OR SITE UTILITY CONTRACTOR.
2. POINT OF SERVICE IS TO BE DESIGNATED FOR ALL BUILDINGS EQUIPPED WITH AUTOMATIC SPRINKLER SYSTEM.
3. THE UNDERGROUND MAIN STARTING AT THE PUBLIC WATER UTILITY POINT OF CONNECTION HAS BEEN DESIGNED TO NFPA 24. MATERIALS, INSTALLATION AND TESTING MUST BE IN ACCORDANCE WITH NFPA 24.
4. ALL NEW PRIVATE FIRE SERVICE MAINS/LINES AND HYDRANTS SHALL BE FLUSHED AND HYDROSTATIC TESTED TO 200 PSI FROM THE POINT OF SERVICE AS PER NFPA 24 CHAPTER 9.
5. THE UNDERGROUND MAIN STARTING AT THE POINT OF SERVICE HAS BEEN DESIGNED TO NFPA 24.
6. FIRE SERVICE MAINS/LINES SHALL BE POLYVINYL CHLORIDE PRESSURE PIPE CONFORMING TO AWWA C900 WITH DIMENSION RATIO (DR) OF EIGHTEEN (18) AND A MINIMUM PRESSURE CLASS OF TWO HUNDRED POUNDS PER SQUARE INCH (200 P.S.I.) UNLESS NOTED OTHERWISE.

## F.A.C. 61G15-32.003

(1) SCOPE OF WORK: THIS PROJECT CONSISTS OF A 2 STORY DORMITORY/DINING BUILDING OF TYPE V-A CONSTRUCTION. BUILDINGS ARE NOT OVER 30 FT AND 3 FLOORS IN HEIGHT TO THE TOP OF TYPE 4 CONSTRUCTION. LEVEL ACCESSIBLE FLOOR SLABS AND BUILDINGS WILL NOT REQUIRE A STANDPIPE SYSTEM. THE DORMS SHALL HAVE AN OCCUPANCY CLASSIFICATION OF R-2. THE DORMS SHALL BE PROTECTED WITH A NFPA 13 WET TYPE FIRE SPRINKLER SYSTEM, THE ATTIC SPACE SHALL BE PROTECTED WITH AN AUTOMATIC DRY-PIPE SPRINKLER SYSTEM IF REQUIRED BY LOCAL AHJ. THE BUILDINGS AND FIRE SPRINKLER SYSTEMS WILL BE NEW CONSTRUCTION.

(2) ACCEPTANCE TEST CRITERIA: THE ACCEPTANCE TESTING OF THE FIRE PROTECTION SYSTEM AND COMPONENTS SHALL CONSIST OF ALL APPLICABLE ITEMS SHOWN ON THESE TWO FORMS: NFPA 13, FIGURE 24.1, CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR ABOVE GROUND; AND FIGURE 10.10.1, CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING. SEE NFPA 13, CHAPTER 24, SYSTEMS ACCEPTANCE AND CHAPTER 10 SECTION 10.10, TESTING AND ACCEPTANCE, FOR DETAILS ON THE APPLICABLE TESTS.

(3) OCCUPANCY OF SPECIFIC HAZARD: THE APT. BUILDINGS SHALL BE CONSIDERED RESIDENTIAL NFPA 13.

(4) STRUCTURAL SUPPORT FOR FIRE PROTECTION COMPONENTS: THE SUPPORT SYSTEMS FOR THIS BUILDING WILL HAVE ADEQUATE LOAD CARRYING CAPACITY FOR THE 3 LBS. PSF DEAD LOAD WHICH WILL BE CONTRIBUTED BY THIS FIRE SPRINKLER SYSTEM. THE SUPPORT SYSTEMS FOR THIS BUILDING WILL HAVE ADEQUATE LOAD CARRYING CAPACITY FOR LIVE LOAD WHICH WILL BE CONTRIBUTED BY THIS FIRE SPRINKLER SYSTEM. STRUCTURAL SUPPORT FOR FIRE SPRINKLER SYSTEM IS TO BE PROVIDED BY WOOD FRAMING. ALL FIREWALL PENETRATIONS SHALL BE PROTECTED BY A UL LISTED FIRE-STOPPING ASSEMBLY.

## F.A.C. 61G15-32.004 (2) (a-m)

(a) POINT OF SERVICE: AS DEFINED BY 633.102 (24), 'POINT-OF-SERVICE' MEANS THE POINT AT WHICH THE UNDERGROUND PIPING FOR A FIRE PROTECTION SYSTEM AS DEFINED IN THIS SECTION USING WATER AS THE EXTINGUISHING AGENT BECOMES USED EXCLUSIVELY FOR THE FIRE PROTECTION SYSTEM. THE POS FOR THESE BUILDINGS CAN BE FOUND ON THE SITE UTILITY DRAWINGS

(b) APPLICABLE NFPA STANDARDS: THE ABOVE GROUND MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 13. THE UNDERGROUND MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 13 AND NFPA 24, AS REQUIRED AND WHERE REFERENCED. ALL OFFICIALLY ADOPTED LOCAL AND STATE CODES SHALL ALSO BE FOLLOWED.

(c) CLASSIFICATION OF HAZARD OCCUPANCIES: BUILDINGS SHALL BE PROTECTED IN ACCORDANCE WITH NFPA 13. THERE SHALL BE SPRINKLER PROTECTION REQUIRED IN THE ROOF TRUSS ASSEMBLIES OF THE BUILDINGS.

(d) DESIGN APPROACH: THE DESIGN CRITERIA FOR THE RESIDENTIAL DWELLING UNITS SHALL CONSIST OF A MAXIMUM FOUR-SPRINKLER HEAD DESIGN AREA WITHIN A COMPARTMENT PER THE REQUIREMENTS OF NFPA 13. MAXIMUM COVERAGE AREA PER SPRINKLER – PER THE SPECIFIC SPRINKLER LISTING, SPACING SHALL NOT EXCEED 400 SQUARE FEET FOR RESIDENTIAL SPRINKLERS AND 225 SQUARE FEET FOR QUICK RESPONSE SPRINKLERS. SPRINKLER TEMPERATURE CLASSIFICATIONS SHALL BE PER NFPA REQUIREMENTS FOR OCCUPANCY. SPRINKLERS WITHIN THE DWELLING UNITS SHALL BE 155 DEGREES.

(e) CHARACTERISTICS OF THE WATER SUPPLY: WATER SUPPLY CHARACTERISTICS FOR THIS PROJECT CAN BE FOUND ON THE SITE UTILITY DRAWINGS. THE CITY WATER SUPPLY SHALL RELIABLY PROVIDE THE SYSTEM DEMAND FOR A MINIMUM OF 30 MINUTES.

(f) FLOW TEST DATA: FLOW TEST WAS CONDUCTED ON 5-17-22 AT 9:30AM, CONDUCTED BY GATOR FIRE, J. MALLARD. RESULTS: 84 PSI STATIC, 63 PSI RESIDUAL. 3243 GPM FLOW RATE AT 20 PSI.

(g) VALVING AND ALARM REQUIREMENTS: A PADDLE TYPE WATER FLOW INDICATOR SHALL BE INSTALLED ON EACH INDIVIDUAL FIRE SPRINKLER SYSTEM RISER. THE VALVES ON THE BACKFLOW DEVICE AND SYSTEM CONTROL VALVE SHALL HAVE TAMPER SWITCHES INSTALLED ON THEM. THESE DEVICES SHALL BE MONITORED BY A FIRE ALARM SYSTEM WITH REMOTE STATION MONITORING. ALL FIRE ALARM DEVICES AND INSTALLATION SHALL COMPLY WITH NFPA 72.

(h) MICROBIAL INDUCED CORROSION: MICROBIAL INDUCED CORROSION IS NOT KNOWN TO BE A PROBLEM AT THIS TIME.

(i) BACKFLOW PREVENTION AND METERING SPECIFICATION: A DOUBLE DETECTOR CHECK BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED FOR THE BUILDINGS LOCATED IN THE FIRE LINE. THE PRESSURE LOSS ACROSS THIS DEVICE SHALL BE DERIVED FROM THE MANUFACTURER'S MATERIAL DATA SHEET. THE BUILDING SHALL HAVE A FDC CONNECTION LOCATED IN THE YARD JUST PAST THE BACKFLOW.

(j) QUALITY AND PERFORMANCE SPECIFICATIONS OF YARD AND INTERIOR FIRE PROTECTION EQUIPMENT: ALL MATERIAL AND EQUIPMENT SHALL BE UL LISTED FOR FIRE PROTECTION USE WHERE APPLICABLE PER NFPA 13. ALL UNDERGROUND PIPING SHALL BE LISTED FOR SUCH USE AND COMPLY WITH CHAPTER 10 OF NFPA 24. ALL ABOVEGROUND INTERIOR PIPING SHALL BE LISTED FOR SUCH USE AND COMPLY WITH SECTION 6.3 OF NFPA 13.

(k) FIRE PUMP: NOT REQUIRED.

(l) STORAGE TANK: NOT REQUIRED.

(m) OWNER'S CERTIFICATE: NOT REQUIRED, NON-STORAGE OCCUPANCY.

THE FIRE SPRINKLER CONTRACTOR WILL PROVIDE 'WORKING DRAWINGS', AS DEFINED IN FLORIDA STATUTES AND SHALL BE REQUIRED TO SUBMIT UNSIGNED AND UNSEALED SHOP DRAWINGS PER THE DESIGN CRITERIA PROVIDED BY THE ENGINEER OF RECORD. THE CONTRACTOR SHALL ALSO PROVIDE THE ASSOCIATED HYDRAULIC CALCULATIONS, FLOW DATA, ,EQUIPMENT (ie. FDC, DABP, PIV) AND SUBMITTAL DATA (CUT SHEETS) FOR REVIEW BY THE ENGINEER OF RECORD/ARCHITECT.

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# OLD MEMORIAL

13600 National Golf Dr
Tampa, FL 33626

| no. | description | date |
|---|---|---|
| | PERMIT SET | 04.24.26 |

# FP0.00

## FIRE PROTECTION SYMBOLS LEGEND

sheet size 24" x 36"