# VITEMA EOC Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

## ODR PROJECT #: 4340-0010

30% CONSTRUCTION DOCUMENTS




## PROJECT MAP







## AGENCIES

### AGENCY

**Office of Disaster Recovery**

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### AGENCY

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## ALLOWANCES

ALLOWANCE #1
**SPECIALTY INTERIOR LIGHTING AND EXTERIOR BUILDING LIGHTING SYSTEMS**
PROVIDE AN ALLOWANCE OF $25,000 FOR REQUIRED SPECIALTY INTERIOR LIGHTING AND EXTERIOR BUILDING LIGHTING SYSTEM

ALLOWANCE #2
**WINDOW SHADE SYSTEM**
PROVIDE AN ALLOWANCE OF $1,000 PER WINDOW (EXCLUDING STAIRS) FOR INTERIOR SUN CONTROL MANUAL SHADE DEVICES

ALLOWANCE #3
**ELECTRIC VEHICLE CHARGING STATIONS**
PROVIDE AN ALLOWANCE OF $10,000 FOR ELECTRIC VEHICLE CHARGING INFRASTRUCTURE

ALLOWANCE #4
**SITE LIGHTING**
PROVIDE AN ALLOWANCE FOR ENTRY ROAD, SECONDARY ROAD, PARKING LOT AND OTHER SITE LIGHTING

ALLOWANCE #5
**ELECTRICAL INFRASTRUCTURE FOR FUTURE COMM TOWER**
PROVIDE AN ALLOWANCE OF $20,000 FOR (4) 4" EMPTY CONDUITS FROM FUTURE COMMUNICATIONS TOWER PAD INTO MAIN IT CLOSET OF BUILDING

ALLOWANCE #6
**SOUND MITIGATION APPLICATIONS**
PROVIDE AN ALLOWANCE OF $25,000 FOR ACOUSTIC CEILING AND/OR WALL SYSTEMS AT EOC, 911 CALL CENTER, MAIN LOBBY, AND JOINT UTILIZATION SPACES.

### UNIT PRICES

## PROJECT TEAM

### OWNER

**Government of the United States, Virgin Islands**

HONORABLE ALBERT BRYAN, JR.
GOVERNOR

HONORABLE TREGENZA A. ROACH, ESQ
LIEUTENANT GOVERNOR

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EMAIL:

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SUBMISSIONS:

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|---|---|---|
| A | Schematic | 03.04.2022 |
| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA Wind Retrofit & Safe Room
Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

TITLE SHEET

REVISIONS:

| No. | Description | Date |
|---|---|---|
| | | |

DRAWN BY: SRL
CHECKED BY: JLT
DATE: August 18, 2022

NOVUS JOB NUMBER
470-20-02

ODR PROJECT NUMBER
4340-0010

SHEET NUMBER
G000

NOT FOR CONSTRUCTION

30% CONSTRUCTION DOCUMENTS

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GENERAL

| | | |
|---|---|---|
| G000 | TITLE SHEET | |
| G001 | SHEET INDEX | |
| G002 | CODE ANALYSIS | |
| G003 | BASEMENT & 1ST FLOOR LIFE SAFETY PLANS | |
| G004 | 2ND & 3RD FLOOR LIFE SAFETY PLANS | |
| G005 | 4TH FLOOR LIFE SAFETY PLAN | |
| G006 | ABBREVIATIONS, LEGENDS, & MOUNTING HEIGHTS | |
| G007 | TYPICAL CLEARANCES | |
| G008 | TYPICAL DETAILS | |
| G103 | FIRE RATED ASSEMBLIES | (FUTURE SHEET - NOT INCLUDED IN 30% CDs) |
| G104 | FIRE RATED ASSEMBLIES | (FUTURE SHEET - NOT INCLUDED IN 30% CDs) |
| G200 | WALL & ROOF ASSEMBLIES | |

CIVIL

| | | |
|---|---|---|
| C0.00 | COVER SHEET | |
| C0.01 | GENERAL NOTES | |
| C0.02 | EXISTING CONDITIONS PLAN | |
| C0.90 | DEMOLITION PLAN | |
| C1.00 | SITE PLAN | |
| C1.01 | GEOMETRY PLAN | |
| C2.00 | GRADING & DRAINAGE PLAN | |
| C3.00 | UTILITY PLAN | |
| C4.00 | DETAILS SHEET 1 | |
| C4.01 | DETAILS SHEET 2 | |
| C4.02 | DETAILS SHEET 3 | |
| C4.03 | DETAILS SHEET 4 | |

STRUCTURAL

| | | |
|---|---|---|
| S001 | GENERAL STRUCTURAL NOTES | |
| S002 | LOADING CRITERIA | |
| S101 | FOUNDATION PLAN | |
| S102 | BASEMENT LEVEL PLAN | |
| S103 | FIRST FLOOR PLAN | |
| S104 | SECOND FLOOR PLAN | |
| S105 | THIRD FLOOR PLAN | |
| S106 | FOURTH FLOOR PLAN | |
| S107 | ROOF PLAN | |
| S201 | WALL ELEVATIONS SOUTH TOWER | |
| S202 | WALL ELEVATIONS NORTH TOWER | |
| S203 | WALL ELEVATIONS CONNECTING CORRIDOR | |
| S301 | TYPICAL CONCRETE DETAILS (1 OF 3) | |
| S302 | TYPICAL CONCRETE DETAILS (2 OF 3) | |
| S303 | TYPICAL CONCRETE DETAILS (3 OF 3) | |
| S304 | TYPICAL MASONRY DETAILS | |
| S501 | FOUNDATION SECTIONS | |
| S601 | BUILDING SECTIONS | |
| S602 | BUILDING SECTIONS | |

ARCHITECTURAL

| | | |
|---|---|---|
| A100 | BASEMENT FLOOR PLANS | |
| A101 | 1ST FLOOR DIMENSION PLAN | |
| A102 | 1ST FLOOR REFERENCE PLAN | |
| A103 | 1ST FLOOR FFE PLAN | |
| A104 | 2ND FLOOR DIMENSION PLAN | |
| A105 | 2ND FLOOR REFERENCE PLAN | |
| A106 | 2ND FLOOR FFE PLAN | |
| A107 | 3RD FLOOR DIMENSION PLAN | |
| A108 | 3RD FLOOR REFERENCE PLAN | |
| A109 | 3RD FLOOR FFE PLAN | |
| A110 | 4TH FLOOR DIMENSION PLAN | |
| A111 | 4TH FLOOR REFERENCE PLAN | |
| A112 | 4TH FLOOR FFE PLAN | |
| A113 | ROOF PLAN | |
| A114 | N.E. MECHANICAL BUILDING PLANS | |
| A115 | N.E. MECHANICAL BUILDING ELEVATIONS | |
| A116 | S.E. MECHANICAL YARD & PATIO | |
| A117 | 2ND FLOOR - ACCESS PLANS & DETAILS | |
| A118 | 2ND FLOOR - EXTERIOR DETAILS | |
| A201 | EXTERIOR ELEVATIONS | |
| A202 | EXTERIOR ELEVATIONS | |
| A203 | ENLARGED ELEVATION DETAILS | |
| A204 | ENLARGED ELEVATION DETAILS | |
| A301 | BUILDING SECTIONS | |
| A302 | BUILDING SECTIONS | |
| A303 | WALL SECTIONS | |
| A304 | WALL SECTIONS | |
| A305 | WALL SECTIONS | |
| A307 | SECTION DETAILS | |
| A308 | SECTION DETAILS | |
| A309 | PLAN DETAILS - LEVEL 1 | |
| A310 | PLAN DETAILS - LEVEL 2 | |
| A311 | PLAN DETAILS- LEVEL 2 | |
| A312 | PLAN DETAILS- LEVEL 2 | |
| A320 | ROOF DETAILS | (FUTURE SHEET - NOT INCLUDED IN 30% CDs) |
| A321 | ROOF DETAILS | (FUTURE SHEET - NOT INCLUDED IN 30% CDs) |
| A322 | ROOF DETAILS | (FUTURE SHEET - NOT INCLUDED IN 30% CDs) |
| A401 | ENLARGED BATHROOM PLANS, ELEVATIONS, & DETAILS | |
| A402 | ENLARGED BATHROOM PLANS, ELEVATIONS, & DETAILS | |
| A403 | ENLARGED PLANS AND ELEVATIONS | |
| A404 | ENLARGED PLANS AND ELEVATIONS | |
| A405 | ENLARGED PLANS AND ELEVATIONS | |
| A451 | CASEWORK SECTIONS | |
| A531 | STAIR1 - ENLARGED PLANS & SECTIONS | |
| A532 | STAIR 2 - ENLARGED PLANS & SECTIONS | |
| A533 | STAIR 3 - ENLARGED PLANS & SECTIONS | |
| A534 | ELEVATOR - ENLARGED PLANS & SECTIONS | |
| A560 | FENCE DETAILS | |
| A561 | FENCE DETAILS | |
| A601 | DOOR & WINDOW SCHEDULES | |
| A602 | DOOR DETAILS | |
| A603 | DOOR DETAILS | (FUTURE SHEET - NOT INCLUDED IN 30% CDs) |
| A604 | GLAZING & FRAME SYSTEM ELEVATIONS | |
| A605 | GLAZING & FRAME SYSTEM ELEVATIONS | |
| A606 | INTERIOR STOREFRONT FRAME ELEVATIONS | (FUTURE SHEET - NOT INCLUDED IN 30% CDs) |
| A607 | ALUM. GLAZING & FRAME SYSTEM DETAILS | |
| A608 | ALUM. GLAZING & FRAME SYSTEM DETAILS | (FUTURE SHEET - NOT INCLUDED IN 30% CDs) |
| A700 | BASEMENT FLOOR - REFLECTED CLNG PLAN | |
| A701 | 1ST FLOOR - REFLECTED CEILING PLAN | |
| A702 | 2ND FLOOR - REFLECTED CEILING PLAN | |
| A703 | 3RD FLOOR - REFLECTED CEILING PLAN | |
| A704 | 4TH FLOOR - REFLECTED CEILING PLAN | |
| A801 | GROUND & 1ST FLOOR - FINISH PLANS | |
| A802 | 2ND FLOOR - FINISH PLANS | |
| A803 | 3RD FLOOR - FINISH PLAN | |
| A804 | 4TH FLOOR - FINISH PLAN | |
| A805 | INTERIOR FINISH DETAILS | |
| A901 | PERSPECTIVES | |
| A902 | RENDERINGS | |
| A950 | ENVIRONMENTAL GRAPHICS PLAN | (FUTURE SHEET - NOT INCLUDED IN 30% CDs) |

FIRE PROTECTION

| | |
|---|---|
| F-001 | FIRE PROTECTION SYMBOLS, ABBREVIATIONS & NOTES |
| F-101 | BASEMENT FIRE PROTECTION PIPING PLAN |
| F-111 | FIRST FLOOR FIRE PROTECTION PIPING PLAN |
| F-112 | SECOND FLOOR FIRE PROTECTION PIPING PLAN |
| F-131 | THIRD FLOOR FIRE PROTECTION PIPING PLAN |
| F-141 | FOURTH FLOOR FIRE PROTECTION PIPING PLAN |
| F-151 | ROOF FIRE PROTECTION PIPING PLAN |
| F-601 | SCHEDULES |
| F-901 | RISER DIAGRAMS |

PLUMBING

| | |
|---|---|
| P-001 | PLUMMING SYMBOLS, ABBREVIATIONS & NOTES |
| P-101 | BASEMENT PLUMBING PLAN |
| P-111 | FIRST FLOOR PLUMBING PLAN |
| P-121 | SECOND FLOOR PLUMBING PLAN |
| P-131 | THIRD FLOOR PLUMBING PLAN |
| P-141 | FOURTH FLOOR PLUMBING PLAN |
| P-151 | ROOF PLUMBING PLAN |
| P-601 | SCHEDULES |

MECHANICAL

| | |
|---|---|
| M-001 | MECHANICAL SYMBOLS, ABBREVIATIONS & NOTES |
| M-111 | FIRST FLOOR DUCTWORK PLAN |
| M-121 | SECOND FLOOR DUCTWORK PLAN |
| M-131 | THIRD FLOOR DUCTWORK PLAN |
| M-141 | FOURTH FLOOR DUCTWORK PLAN |
| M-152 | MECHANICAL ROOF EQUIPMENT PLAN |
| M-601 | SCHEDULES AND DIAGRAMS |

ELECTRICAL

| | |
|---|---|
| E-001 | ELECTRICAL SYMBOLS & ABBREVIATIONS |
| E-002 | ELECTRICAL NOTES & SCHEDULES |
| ES-101 | ELECTRICAL SITE |
| ES-102 | UTILITY BUILDING PLAN |
| ES-103 | LIGHTING PROTECTION PLAN |
| E-101 | BASEMENT POWER PLAN |
| E-111 | FIRST FLOOR POWER PLAN |
| E-121 | SECOND FLOOR POWER PLAN |
| E-131 | THIRD FLOOR POWER PLAN |
| E-141 | FOURTH FLOOR POWER PLAN |
| E-301 | POWER RISER DIAGRAMS |
| E-501 | DETAILS |

TELECOM

| | |
|---|---|
| T-001 | TECHNOLOGY LEGEND |
| T-101 | BASEMENT TECHNOLOGY PLAN |
| T-111 | FIRST FLOOR TECHNOLOGY FLOOR PLAN |
| T-112 | FIRST FLOOR TECHNOLOGY REFLECTED CEILING PLAN |
| T-121 | SECOND FLOOR TECHNOLOGY PLAN |
| T-122 | SECOND FLOOR TECHNOLOGY REFLECTED CEILING PLAN |
| T-131 | THIRD FLOOR TECHNOLOGY FLOOR PLAN |
| T-132 | THIRD FLOOR TECHNOLOGY REFLECTED CEILING PLAN |
| T-141 | FOURTH FLOOR TECHNOLOGY FLOOR PLAN |
| T-142 | FOURTH FLOOR TECHNOLOGY REFLECTED CEILING PLAN |
| T-151 | ROOF TECHNOLOGY PLAN |
| T-201 | TECHNOLOGY LARGE SCALE PLANS |



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VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

SHEET INDEX

REVISIONS:

| No. | Description | Date |
|---|---|---|
| | | |

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER
470-20-02

CDR PROJECT NUMBER
4340-0010

SHEET NUMBER
G001

30% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

**2019 US VIRGIN ISLANDS CODE**
**TITLE 29 - PUBLIC PLANNING AND DEVELOPMENT**
**CHAPTER 5 - BUILDING CODE**
**SUBCHAPTER I - TITLE AND GENERAL PROVISIONS**

§ 292. GENERAL PURPOSES, APPLICATION, AND SCOPE

- (F) PUBLIC BUILDINGS. THE 2003 INTERNATIONAL BUILDING CODE AND ANY SUBSEQUENT AMENDMENTS THERETO, ARE HEREBY ADOPTED AND INCORPORATED BY REFERENCE IN THE VIRGIN ISLANDS BUILDING CODE, AND NOTWITHSTANDING THE PROVISIONS OF ANY OTHER LAW, SHALL BE APPLICABLE TO EVERY PUBLIC BUILDING AND STRUCTURE IN THE VIRGIN ISLANDS PURSUANT TO SUBSECTION (B) OF THIS SECTION.
- (G) NON-PUBLIC BUILDINGS. EXCEPT ONE AND TWO FAMILY DWELLINGS AND ONE FAMILY TOWNHOUSES NOT MORE THAN THREE STORIES IN HEIGHT CHAPTERS ONE THROUGH THIRTY-FIVE, AND ALL APPENDICES CITED THEREIN OF THE 2003 INTERNATIONAL BUILDING CODE AND ANY SUBSEQUENT AMENDMENTS THERETO, ARE HEREBY ADOPTED AND INCORPORATED BY REFERENCE IN THE VIRGIN ISLANDS BUILDING CODE, AND NOTWITHSTANDING THE PROVISIONS OF ANY OTHER LAW, SHALL BE APPLICABLE TO EVERY NON-PUBLIC BUILDING AND STRUCTURE IN THE VIRGIN ISLANDS PURSUANT TO SUBSECTION (B) OF THIS SECTION, EXCEPT ONE AND TWO FAMILY DWELLINGS AND ONE FAMILY TOWNHOUSES NOT MORE THAN THREE STORIES IN HEIGHT.
- (H) ONE AND TWO FAMILY DWELLINGS AND ONE FAMILY TOWNHOUSES NOT MORE THAN THREE STORIES IN HEIGHT. CHAPTERS ONE THROUGH FORTY-THREE, AND ALL APPENDICES CITED THEREIN OF THE INTERNATIONAL RESIDENTIAL CODE, 2003 EDITION, AND ANY SUBSEQUENT AMENDMENTS THERETO.
- (K) APPLICABILITY OF THE 2003 INTERNATIONAL ENERGY CONSERVATION CODE. NOTWITHSTANDING ANY LAW TO THE CONTRARY, THE 2003 INTERNATIONAL ENERGY CONSERVATION CODE AND ANY SUBSEQUENT AMENDMENTS THERETO ARE ADOPTED AND INCORPORATED BY REFERENCE AS A PART OF THE VIRGIN ISLANDS BUILDING CODE, TITLE 29 VIRGIN ISLANDS CODE, CHAPTER 5, AND SHALL BE APPLICABLE TO EVERY PUBLIC, COMMERCIAL AND RESIDENTIAL BUILDING OR STRUCTURE IN THE VIRGIN ISLANDS.

**THE RESULT OF TITLE 29 OF THE 2019 VIRGIN ISLAND CODE, IS THAT THE INTERNATION BUILDING CODES, 2021 EDITIONS BE USED AS THE MOST RECENTLY ADOPTED VERSIONS BY THE INTERNATION CODE COUNCIL**

| IBC CHAPTERS 10 & 11 MEANS OF EGRESS REQUIREMENTS AND ACCESSIBILITY | AS DESIGNED |
|---|---|
| SECTION 1004 OCCUPANT LOAD | |
| • 1004.1 Design occupant load. | 1 occupant per 150 SF, per table 1004.1.2 |
| SECTION 1006 NUMBER OF EXITS AND EXIT ACCESS DOORWAYS | Two *exits or exit access doorways* are provided where more than 49 occupants and the *common path of egress travel* distance exceeds 100 feet according to Table 1006.2.1, group B, sprinklered. |
| • 1006.2.1 Egress based on occupant load and common path of egress travel distance. | |
| SECTION 1007 EXIT & EXIT ACCESS DOORWAY CONFIGURATION | The building is equipped throughout with an *automatic sprinkler system*, the separation distance is not less than one-half of the length of the maximum overall diagonal dimension of the area served. |
| • 1007.1.1 Two exits or exit access doorways | |
| SECTION 1008 MEANS OF EGRESS ILLUMINATION | Egress illumination provided, Existing - no change |
| • 1008.2 Illumination required. | |
| SECTION 1009 ACCESSIBLE MEANS OF EGRESS | Existing - no change or provided where new |
| • 1009.1 Accessible means of egress required. | |
| SECTION 1013 EXIT SIGNS | Provided, as shown for DEPARTMENTs Corridor/shell existing |
| • 1013.1 Where required. | |
| SECTION 1017 EXIT ACCESS TRAVEL DISTANCE | Exit access provided. Exits are located so as to limit the common path of egress to <100 feet, sprinklered. |
| • 1017.2 Limitations. | |
| SECTION 1028 EXIT DISCHARGE | Exit discharge provided, Existing - no change |
| • 1028.1 General. | |
| SECTION 1101 GENERAL ACCESSIBILITY | Accessibility provided. |
| • 1101.2 Design. Buildings and facilities shall be designed and constructed to be accessible in accordance with this code (2018 IBC), ICC A117.1. | |

# 2021 - BUILDING CODE SUMMARY AND LIFE SAFETY ANALYSIS

| | |
|---|---|
| **PROJECT NAME** | VITEMA EOC AND WIND RETROFIT |
| **PROJECT ADDRESS** | HERMAN HILL, ST. CROIX |
| **PROPOSED USE** | HEADQUARTERS / OFFICE SPACE AND SAFE ROOM |
| **OWNER/AGENT** | SPRINGLINE ARCHITECTS - JERRY TRAINO |
| **PHONE** | (843) 437-8879 |
| **EMAIL** | jerry.traino@novusa.com |
| **OWNED BY** | USVI GOVERNMENT |
| **JURISDICTION** | ST. CROIX BUILDING DEPARTMENT ☐ ST. THOMAS BUILDING DEPARTMENT ■ FEMA |

| DESIGNER | FIRM | NAME | TELEPHONE # | EMAIL |
|---|---|---|---|---|
| ARCHITECT | SPRINGLINE ARCHITECTS | JERRY TRAINO | (843) 437-8879 | jerry.traino@novusa.com |
| CIVIL | HARRIS | NEIL WOLFE | (407) 629-4777 | NeilW@harrisciviengineers.com |
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| MECHANICAL | DEWBERRY | NICHOLAS SAPONARA | (646) 434-3378 | nsaponara@Dewberry.com |
| ELECTRICAL | DEWBERRY | NICHOLAS SAPONARA | (646) 434-3378 | nsaponara@Dewberry.com |
| PLUMBING | DEWBERRY | NICHOLAS SAPONARA | (646) 434-3378 | nsaponara@Dewberry.com |

**PROJECT DESCRIPTION**

The new building will be approximately 25,000 sf, built on an existing footprint of approximately 6,000 sf. This will result in a 4-story building containing 911 call center, EOC and VITEMA operations that accommodates 200 essential personnel required for emergency and disaster response within the US Virgin Islands. In addition, the building shall also contain a basement level of 2492 sf, which will include cistern, MEP support facilities and storage of supplies and equipment required for EOC activation.

The program includesVITEMA Emergency Operations Center that is required to meet the International Building Code Requirements for a Risk Category IV Building. The building also includes a Safe Room program that is required to meet meet the 2000 edition of the International Code Council (ICC) 500 Standard for the Design and Construction of Storm Shelters as well as the requirements in the Fourth Edition of FEMA P-361 Safe Rooms for Tornadoes and Hurricanes: Guidance for Community and Residential Safe Rooms.

The entire building core and shell will be built to meet meet the 2000 edition of the International Code Council (ICC) 500 Standard for the Design and Construction of Storm Shelters as well as the requirements in the Fourth Edition of FEMA P-361 Safe Rooms for Tornadoes and Hurricanes: Guidance for Community and Residential Safe Rooms.

**BUILDING CODE**

INTERNATIONAL BUILDING CODE | 2021 EDITION | ■ NEW CONSTRUCTION | ☐ ADDITION | ■ UPFIT
EXISTING | ☐ RECONSTRUCTION | ☐ ALTERATIONS | ☐ REPAIR | ☐ RENOVATION
CONSTRUCTION DATE | 2023 (ANTICIPATED) | RENOVATED DATE | N/A

**APPLICABLE CODES - OTHER**

2021 INTERNATIONAL MECHANICAL CODE — 2017 ICC/ANSI A117.1
2021 INTERNATIONAL PLUMBING CODE
2021 NATIONAL ELECTRICAL CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE
2021 INTERNATIONAL FIRE CODE
2021 INTERNATIONAL FUEL GAS CODE

**USE(S) - SECTION 304 - IBC**

BUSINESS GROUP 'B'
STORAGE GROUP 'S' (BASEMENT)

| FLOOR | EXISTING BUILDING AREA (SF) | NEW BUILDING AREA (SF) | ALLOWABLE BUILDING AREA (SF) - TABLE 506.2 |
|---|---|---|---|
| BASEMENT | N/A | 2,822 SF | 69,000 SF (without increases) |
| FIRST FLOOR | N/A | 7,025 SF | 69,000 SF (without increases) |
| SECOND FLOOR | N/A | 7,025 SF | 69,000 SF (without increases) |
| THIRD FLOOR | N/A | 6,590 SF | 69,000 SF (without increases) |
| FOURTH FLOOR | N/A | 6,590 SF | 69,000 SF (without increases) |
| **TOTAL AREA (SF)** | N/A | 30,052 SF | |

**OCCUPANCY (SECTION 304)**

ASSEMBLY ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4
BUSINESS ■ B ☐ AMBULATORY BUSINESS (HEALTH CARE)
EDUCATIONAL ☐
FACTORY ☐ F-1 MODERATE ☐ F-2 FLOW
HAZARDOUS ☐ H-1 DETONATE ☐ H-2 DEFLAGRATE ☐ H-3 COMBUST ☐ H-4 HEALTH ☐ H-5 HPM
INSTITUTIONAL ☐ I-1 ☐ I-2 ☐ I-3 (1,2,3,4 or 5) ☐ I-4
MERCANTILE ☐
RESIDENTIAL ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
STORAGE ☐ S-1 MODERATE ☐ S-2 SLOW ☐ HIGH PILED
☐ PARK GARAGE ☐ OPEN ☐ ENCLOSED ☐ REPAIR GARAGE
UTILITY ☐
MISCELLANEOUS ☐

**ALLOWABLE HEIGHT (TABLES 504.3 & 504.4)**

| | ALLOW. HEIGHT (TABLE 504.4) | % INCREASE SPRINKLERS | SHOWN ON PLANS | NOTES |
|---|---|---|---|---|
| TYPE OF CONSTRUCTION | IIB | - | IIB | - |
| BUILDING HEIGHT (FT) | 75' | - | 70'-0" (MAX.) | TAKEN FROM TOP OF STAIR |
| BUILDING HEIGHT (STORIES) | 4 | - | 4 (ABOVE GRADE) | 5 STORIES W/ BASEMENT |

**BUILDING DATA - CONSTRUCTION TYPE (TABLE 601)**

☐ II-A ☐ II-A ☐ III-A ☐ IV-A ☐ V-A ☐ I-B ■ I I-B ☐ I I I-B ☐ I V-B ☐ V-B

| SPRINKLERS | NFPA |
|---|---|
| ■ YES ☐ NO ☐ PARTIAL | ■ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D |
| **STANDPIPES** | **CLASS** |
| ■ YES ☐ NO | ■ I ☐ I I ■ I I I ■ WET ☐ DRY |

| FIRE DISTRICT | FLOOD HAZARD AREA | BUILDING HEIGHT | NO. OF STORIES |
|---|---|---|---|
| ☐ YES ■ NO | ☐ YES ■ NO | 62'-0" | 4 + BASEMENT |

**SPECIAL USES (SECTION 422 IBC)**

☐ 402 ☐ 403 ☐ 404 ☐ 405 ☐ 406 ☐ 407 ☐ 408 ☐ 409 ☐ 410 ☐ 411
☐ 412 ☐ 413 ☐ 414 ☐ 415 ☐ 416 ☐ 417 ☐ 418 ☐ 419 ☐ 420 ☐ 421
☐ 422 ☐ 423 ☐ 424 ☐ 425 ☐ 426

NOT APPLICABLE

**SPECIAL PROVISIONS**

☐ 510.2 ☐ 510.3 ☐ 510.4 ☐ 510.5 ☐ 510.6 ☐ 510.7 ☐ 510.8 ☐ 510.9

**ACCESSORY OCCUPANCY - (SECTION 508)**

ASSEMBLY ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
BUSINESS ☐
EDUCATIONAL ☐
FACTORY ☐ F-1 MODERATE ☐ F-2 FLOW
HAZARDOUS ☐ H-1 DETONATE ☐ H-2 ☐ H-3 COMBUST ☐ H-4 HEALTH ☐ H-5
INSTITUTIONAL ☐ I-1 ☐ DEFLAGRATE ☐ I-3 (1,2,3,4 or 5) ☐ I-4 ☐ HPM
MERCANTILE ☐ I-2
RESIDENTIAL ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
STORAGE ■ S-1 MODERATE ☐ S-2 LOW ☐ HIGH PILED
☐ PARKING GARAGE ☐ OPEN ☐ ENCLOSED ☐ REPAIR GARAGE
UTILITY ☐
MISC. ☐

**INCIDENTAL USES (TABLE 509.1)**

☐ FURNACE ROOM WHERE ANY PIECE OF EQUIPMENT IS OVER 400,000 BTU PER HOUR INPUT
☐ ROOMS WITH BOILERS WHERE THE LARGEST PIECE OF EQUIPMENT IS OVER 15 PSI AND 10 HP
☐ REFRIGERANT MACHINE ROOM
☐ HYDROGEN CUTOFF ROOMS, NOT CLASSIFIED AS GROUP H
☐ INCINERATOR ROOMS
☐ PAINT SHOPS, NOT CLASSIFIED AS GROUP H, LOCATED IN OCCUPANCIES OTHER THAN GROUP F
☐ LABORATORIES AND VOCATIONAL SHOPS, NOT CLASSIFIED AS GROUP H, LOCATED IN A GROUP E OR I-2 GROUP, OR AMBULATORY HEALTHCARE FACILITIES
■ LAUNDRY ROOMS OVER 100 SF
☐ GROUP I-3 CELLS EQUIPPED WITH PADDED SURFACES
☐ GROUP I-2 OR AMBULATORY HEALTHCARE FACILITIES, WASTE AND LINEN COLLECTION ROOMS
☐ STATIONARY STORAGE BATTERY SYSTEMS HAVING A LIQUID ELECTROLYTE CAPACITY OF MORE THAN 50 GALLONS, OR A LITHIUM-ION CAPACITY OF 1000 LBS
☐ GROUP I-2 PHYSICAL PLANT MAINTENANCE SHOPS
■ USED FOR FACILITY STANDBY POWER, EMERGENCY POWER OR UNINTERRUPTED POWER SUPPLIES
■ ROOMS CONTAINING FIRE PUMPS
☐ GROUP I-2 AND AMBULATORY HEALTHCARE FACILITIES, STORAGE ROOMS OVER 100 SF

**OCCUPANT LOAD (TABLE 1004.5)**

| OCCUPANCY | BUILDING AREA | LOAD FACTOR / PER SQUARE FOOT | OCCUPANT LOAD |
|---|---|---|---|
| BUSINESS | 30,052 | 150 GROSS | 201 |
| ACCESSORY STORAGE / MECH. | SEE PLANS | 300 GROSS | SEE PLANS |

**PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)**

| USE | WATER CLOSETS | | | | URINALS | | LAVATORIES | | DRINKING FOUNTAINS | |
|---|---|---|---|---|---|---|---|---|---|---|
| | UNISEX | MALE | FEMALE | TOTAL | | TOTAL | | TOTAL | | TOTAL |
| | PROV. | PROV. | PROV. | REQ. | PROV. | REQ. | PROV. | REQ. | PROV. | REQ. |
| BUSINESS | 0 | 10 | 10 | 6 | 0 | 0 | 18 | 6 | 4 | 2 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

**FIRE PROTECTION REQUIREMENTS**

| IIB | FIRE SEPARATION DISTANCE (FT) | RATING REQUIRED | RATING PROVIDED * | DRAWING LOCATION DETAIL # | DRAWING LOCATION SHEET # | DESIGN # RATED ASSEMBLY | DESIGN # RATED PENETRATION | DESIGN # RATED JOINTS |
|---|---|---|---|---|---|---|---|---|
| (IIB) FRAME, INCLUDING COLUMNS, GIRDERS, TRUSSES | - | 0 HR | 0 HR | - | - | - | - | - |
| BEARING WALLS | - | 0 HR | 0 HR | - | - | - | - | - |
| EXTERIOR | | | | | | | | |
| NORTH | > 10 | 0 HR | 0 HR | - | - | - | - | - |
| EAST | > 10 | 0 HR | 0 HR | - | - | - | - | - |
| WEST | > 10 | 0 HR | 0 HR | - | - | - | - | - |
| SOUTH | > 10 | 0 HR | 0 HR | - | - | - | - | - |
| INTERIOR | - | 0 HR | 0 HR | - | - | - | - | - |
| NON-BEARING WALLS & PARTITIONS | - | 0 HR | 0 HR | - | - | - | - | - |
| EXTERIOR | | | | | | | | |
| NORTH | > 10 | 0 HR | 0 HR | - | - | - | - | - |
| EAST | > 10 | 0 HR | 0 HR | - | - | - | - | - |
| WEST | > 10 | 0 HR | 0 HR | - | - | - | - | - |
| SOUTH | > 10 | 0 HR | 0 HR | - | - | - | - | - |
| INTERIOR WALLS & PARTITIONS | | 0 HR | 0 HR | - | - | - | - | - |
| FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS & JOISTS | - | 0 HR | 0 HR | - | - | - | - | - |
| ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS & JOISTS | - | 0 HR | 0 HR | - | - | - | - | - |
| SHAFT ENCLOSURES - EXIT | - | 1 HR | 1 HR | | | | | |
| SHAFT ENCLOSURES - OTHER | - | 1 HR | 1 HR | | | | | |
| CORRIDOR SEPARATION | - | N/A | N/A | | | | | |
| OCCUPANCY SEPARATION | - | N/A | N/A | | | | | |
| PARTY/FIREWALL SEPARATION | - | N/A | N/A | | | | | |
| SMOKE BARRIER SEPARATION | - | N/A | N/A | | | | | |
| TENANT SEPARATION | - | N/A | N/A | | | | | |
| INCIDENTAL USE SEPARATION | - | N/A | N/A | | | | | |

* INDICATE SECTION NUMBER PERMITTING REDUCTION

**LIFE SAFETY PLAN REQUIREMENTS**

■ FIRE AND/OR SMOKE RATED WALL LOCATIONS (CHAPTER 7)
☐ ASSUMED AND REAL PROPERTY LINE LOCATIONS - SEE CIVIL
☐ EXTERIOR WALL OPENING AREA W/ RESPECT TO DISTANCE TO ASSUMED PROPERTY LINES (705)
☐ EXISTING STRUCTURES WITHIN 30' OF THE PROPOSED BUILDING
☐ OCCUPANCY TYPES FOR EACH AREA AS RELATES TO OCCUPANT LOAD CALCULATION (1004.1.1)
■ OCCUPANT LOADS FOR EACH AREA (TABLE 1004.5)
■ EXIT ACCESS TRAVEL DISTANCES (1017 300'-0" MAX)
■ DEAD END LENGTHS (1020.4 50'-0" MAX.)
■ CLEAR EXIT WIDTHS FOR EACH EXIT DOOR
■ MAX. CALCULATED OCCUPANT LOAD CAPACITY EACH EXIT DOOR CAN ACCOMMODATE BASED ON EGRESS WIDTH (1005.1)
☐ ACTUAL OCCUPANT LOAD FOR EACH EXIT DOOR
☐ A SEPARATE SCHEMATIC PLAN INDICATING WHERE FIRE-RATED FLOOR/CEILING AND/OR ROOF STRUCTURE IS PROVIDED FOR PURPOSES OF OCCUPANCY SEPARATION.
■ LOCATION OF DOORS WITH PANIC HARDWARE (1010.1.10)
☐ LOCATION OF DOORS WITH DELAYED EGRESS LOCKS AND THE AMOUNT OF DELAY (1010.1.9.7)
■ LOCATION OF DOORS WITH ELECTROMAGNETIC EGRESS LOCKS (1010.1.9.9)
☐ LOCATION OF DOORS EQUIPPED WITH HOLD-OPEN DEVICES
☐ LOCATION OF EMERGENCY ESCAPE WINDOWS (1030)
☐ THE SQUARE FOOTAGE OF EACH FIRE AREA (CH 9)
☐ THE SQUARE FOOTAGE OF EACH SMOKE COMPARTMENT (407.5)
☐ * NOTE ANY CODE EXCEPTIONS OR TABLE NOTES THAT MAY HAVE BEEN UTILIZED REGARDING THE ITEMS ABOVE

**LIFE SAFETY SYSTEM REQUIREMENTS**

| | | | |
|---|---|---|---|
| EMERGENCY LIGHTING | ■ YES | ☐ NO | ☐ PARTIAL |
| EXIT SIGNS | ■ YES | ☐ NO | ☐ PARTIAL |
| FIRE ALARM | ■ YES | ☐ NO | ☐ PARTIAL |
| SMOKE DETECTION SYSTEMS | ■ YES | ☐ NO | ☐ PARTIAL |
| PANIC HARDWARE | ■ YES | ☐ NO | ☐ PARTIAL |

**TABLE 508.4 REQUIRED SEPARATION OF OCCUPANCIES (HOURS)**

| OCCUPANCY | A, E | | I-1a, I-3, I-4 | | I-2 | | Ra | | F-2, S-2b, U | | Be, F-1, M, S-1 | | H-1 | | H-2 | | H-3, H4 | | H-5 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | S | NS | S | NS | S | NS | S | NS | S | NS | S | NS | S | NS | S | NS | S | NS | S | NS |
| A, E | N | N | 1 | 2 | 2 | NP | 1 | 2 | N | 1 | 1 | 2 | NP | NP | 3 | 4 | 2 | 3 | 2 | NP |
| I-1a, I-3, I-4 | 1 | 2 | N | N | 2 | NP | 1 | 2 | 1 | 2 | 1 | 2 | NP | NP | 3 | NP | 2 | NP | 2 | NP |
| I-2 | 2 | NP | 2 | NP | N | NP | 2 | NP | 2 | NP | 2 | NP | NP | NP | 3 | NP | 2 | NP | 2 | NP |
| Ra | 1 | 2 | 1 | 2 | NP | N | N | 1[c] | 1[c] | 2 | 1 | 2 | NP | NP | 3 | NP | 2 | NP | 2 | NP |
| F-2, S-2b, U | 1 | 2 | 1 | 2 | NP | 1[c] | 1[c] | N | N | 1 | 1 | 2 | NP | NP | 3 | 4 | 2 | 3 | 2 | NP |
| Be, F-1, M, S-1 | 1 | 2 | 1 | 2 | NP | 1 | 1 | 2 | 1 | 2 | N | N | NP | NP | 2 | 3 | 1 | 2 | 1 | NP |
| H-1 | NP | NP | NP | NP | NP | NP | NP | NP | NP | NP | NP | NP | N | N | NP | NP | NP | NP | NP | NP |
| H-2 | 3 | 4 | 3 | NP | 3 | NP | 3 | NP | 3 | 4 | 2 | 3 | NP | NP | N | NP | 1 | NP | 1 | NP |
| H-3, H4 | 2 | 3 | 2 | NP | 2 | NP | 2 | NP | 2 | 3 | 1 | 2 | NP | NP | 1 | NP | N[d] | NP | 1 | NP |
| H-5 | 2 | NP | 2 | NP | 2 | NP | 2 | NP | 2 | NP | 1 | NP | NP | NP | 1 | NP | 1 | NP | N | NP |

NOT APPLICABLE

**S = BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1.**
NS= BUILDING NOT EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1.
N. = NO SEPARATION REQUIREMENT.
NP= NOT PERMITTED

a. SEE SECTION 420.
b. THE REQUIRED SEPARATION FROM AREAS USED ONLY FOR PRIVATE OR PLEASURE VEHICLES SHALL BE REDUCED BY 1 HOUR BUT TO NOT LESS THAN 1 HOUR.
c. SEE SECTION 406.3.2 AND 406.6.4
d. SEPARATION IS NOT REQUIRED BETWEEN OCCUPANCIES OF THE SAME CLASSIFICATION.
e. SEE SECTION 422.2 FOR AMBULATORY CARE FACILITIES.
f. OCCUPANCY SEPARATIONS THAT SERVE TO DEFINE FIRE AREA LIMITS ESTABLISHED IN CHAPTER 9 FOR REQUIRING FIRE PROTECTION SYSTEMS SHALL ALSO COMPLY WITH SECTION 707.3.10 AND TABLE 707.3.10 IN ACCORDANCE WITH SECTION 901.7.

**TABLE 1004.5**
**MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT**

| FUNCTION OF SPACE | OCCUPANT LOAD FACTOR a |
|---|---|
| STANDING SPACE UNCONCENTRATED (TABLES AND CHAIRS) (PER SECTION 303) | 15 NET |
| BUSINESS AREAS | 150 GROSS |
| CONCENTRATED BUSINESS USE AREAS | # OF PEOPLE, NOT < 1 OCCUPANT/ 50SF (1004.8) |
| STORAGE | 300 GROSS |
| SLEEPING AREAS | 120 GROSS |
| KITCHENS, COMMERCIAL (PER SECTION 303.3) | 200 GROSS |

**TABLE 1006.2.1**
**SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY**

| OCCUPANCY | MAXIMUM OCCUPANT LOAD OF SPACE | MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE (feet) Without Sprinkler System (feet) Occupant Load OL < 30 | OL ≥ 30 | With Sprinkler System (feet) |
|---|---|---|---|---|
| A, E, M | 49 | 75 | 75 | 75 |
| B | 49 | 100 | 75 | 100 |
| S | 29 | 100 | 75 | 100 |
| U | 49 | 100 | 75 | 75 |

**MEANS OF EGRESS REQUIREMENTS AND ACCESSIBILITY (IBC CHAPTERS 10 & 11)**

| CODE | SECTION TITLE | CODE REQUIREMENT | AS DESIGNED |
|---|---|---|---|
| 1004 | OCCUPANT LOAD | TABLE 1004.5 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT | 1 OCCUPANT PER 150SF ('B' BUSINESS) |
| 1005 | MEANS OF EGRESS SIZING | 1005.3.2 OTHER EGRESS COMPONENTS (EXCEPTION 1- SPRINKLED BUILDING) | 0.15" PER OCCUPANT |
| 1006 | NUMBER OF EXITS AND EXIT ACCESS DOORWAYS | 'B' BUSINESS AND 'A' ASSEMBLY: MAXIMUM OF 49 OCCUPANTS WITH ONE EXIT<br>'S' STORAGE: MAXIMUM OF 29 OCCUPANTS WITH ONE EXIT<br>'U' UTILITY: MAXIMUM OF 49 OCCUPANTS WITH ONE EXIT | 4 STORIES, GROUP B, REFERENCE LIFE SAFETY PLANS ON SHEET G003 FOR OCCUPANCY, OCCUPANT LOADS, AND EXIT CAPACITY / ACTUAL OCCUPANTS. |
| 1007 | EXIT AND EXIT ACCESS DOORWAY CONFIGURATION | 1007.1.1 WHERE TWO EXITS, EXIT ACCESS DOORWAYS, EXIT ACCESS STAIRWAYS OR RAMPS, OR ANY COMBINATIO THEREOF, ARE REQUIRED FROM ANY PORTION OF THE EXIT ACCESS, THEY SHALL BE PLACED AT A DISTANCE APART EQUAL TO NOT LESS THAN ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE BUILDING OR AREA TO BE SERVED MEASURED IN A STRAIGHT LINE BETWEEN THEM. REFER LIFE SAFETY PLAN SHEET G003 | SEE LIFE SAFETY PLAN FOR DIAGONAL DISTANCES AND DISTANCES BETWEEN EXITS. |
| 1008 | MEANS OF EGRESS ILLUMINATION | 1008.2 ILLUMINATION REQUIRED | EGRESS ILLUMINATION PROVIDED, SEE DRAWINGS |
| 1009 | ACCESSIBLE MEANS OF EGRESS | 1009.1 ACCESSIBLE MEANS OF EGRESS REQUIRED | 1 ACCESSIBLE EXITS REQUIRED / 1 ACCESSIBLE EXITS PROVIDED |
| 1010 | DOORS, GATES AND TURNSTILES | 1010.1.1 SIZE OF DOORS | SEE LIFE SAFETY PLAN FOR EGRESS DOOR WIDTHS, CAPACITY, AND ACCUPANTS SERVED |
| 1013 | EXIT SIGNS | 1013.1 WHERE REQUIRED. EXITS AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL. THE PATH OF EGRESS TRAVEL TO EXITS AND WITHIN EXITS SHALL BE MARKED BY READILY VISIBLE EXIT SIGNS TO CLEARLY INDICATE THE DIRECTION OF EGRESS TRAVEL IN CASES WHERE THE EXIT OR PATH OF EGRESS TRAVEL IS NOT IMMEADIATELY VISIBLE TO THE OCCUPANTS. | SEE LIFE SAFETY PLAN FOR EXIT SIGN LOCATIONS |
| 1017 | EXIT ACCESS TRAVEL DISTANCE | 1017.2 EXIT ACCESS TRAVEL DISTANCE SHALL NOT EXCEED THE VALUES GIVEN IN TABLE 1017.2 | SEE LIFE SAFETY PLAN FOR TRAVEL DISTANCES |
| 1020 | CORRIDORS | 1020.1 CORRIDORS SHALL BE FIRE-RESISTANCE RATED IN ACCORDANCE WITH TABLE 1020.1 | SEE LIFE SAFETY PLAN FOR FIRE RATINGS |
| 1020 | CORRIDORS | 1020.2 THE REQUIRED CAPACITY OF CORRIDORS SHALL BE DETERMINED AS SPECIFIED IN SECTION 1005.1, BUT THE MINIMUM WIDTH SHALL BE NOT LESS THAN THAT SPECIFIED IN TABLE 1020.1 | SEE DIMENSION PLAN FOR CORRIDOR WIDTHS. |
| 1028 | EXIT DISCHARGE | 1028.1 EXITS SHALL DISCHARGE DIRECTLY TO THE EXTERIOR OF THE BUILDING. THE EXIT DISCHARGE SHALL BE AT GRADE OR SHALL PROVIDE A DIRECT PATH OF EGRESS TRAVEL TO GRADE. | EXIT DISCHARGE PROVIDED DIRECTLY TO GRADE [OR DESCRIBE ANOTHER METHOD HERE] |
| 1101 | GENERAL (ACCESSIBILITY) | 1101.2 BUILDINGS AND FACILITIES SHALL BE DESIGNED AND CONSTRUCTED TO BE ACCESSIBLE IN ACCORDANCE WITH THIS CODE AND ICC A117.1 | ACCESSIBILITY PROVIDED |

**TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE a**

| OCCUPANCY | WITHOUT SPRINKLER SYSTEM (feet) | WITH SPRINKLER SYSTEM (feet) |
|---|---|---|
| A, E, F-1, M, R, S-1 | 200 | 250 b |
| I-1 | NOT PERMITTED | 250 c |
| B | 200 | 300 c |
| F-2, S-2, U | 300 | 400 c |
| H-1 | NOT PERMITTED | 75 c |
| H-2 | NOT PERMITTED | 100 c |
| H-3 | NOT PERMITTED | 150 c |
| H-4 | NOT PERMITTED | 175 c |
| H-5 | NOT PERMITTED | 200 c |
| I-2, I-3, I-4 | NOT PERMITTED | 200 c |

# LIFE SAFETY LEGEND

REFER TO ELECTRICAL FOR COMPLETE LIST

- FE — FE - FIRE EXTINGUISHER PER LOCAL JURISDICTION. COORDINATE LOCATIONS IN FIELD.
- FEC — FEC - FIRE EXTINGUISHER CABINET, SEMI-RECESSED
- EXIT SIGN
- 10 — OCCUPANCY COUNT OF AREA
- P — DOOR PROVIDED W/ PANIC HARDWARE OR PUSH/PULL
- EXIT DOOR / CAP | LOAD / XX" CLEAR — CAP - EXIT CAPACITY; LOAD - ANTICIPATED LOAD; CLEAR - CLEAR EXIT DOOR WIDTH (INCHES)
- EGRESS TRAVEL PATH
- DISTANCE BETWEEN EXIT DOORS

# OCCUPANCY

**BASEMENT FLOOR = 3,194 SF**
- Storage 'S' occupancy 2 occupants
- Mechanical space unoccupied space, 4 occupants max.
- **Total = 6 occupants**

**1ST FLOOR = 7,025 SF**
- Accessory Concentrated Business Use Area : 1660 square feet @ 1 occup./50sf = 34 occupants
- Remaining 5,365 square feet Business Use Area @ 1/150 sf = 36 occupants
- **Total =70 occupants**

**2ND FLOOR = 7,025 SF**
- 7,025 square feet Business Use Area @ 1/150 sf = 36 occupants
- **Total =47 occupants**

**3RD FLOOR = 6,590 SF**
- Unfixed seathing area : 500 square feet @ 1 occup./15sf = 34 occupants
- Remaining 6,090 square feet Business Use Area @ 1/150 sf = 41 occupants
- **Total =75 occupants**

**4TH FLOOR = 6,590 SF**
- 6,590 square feet Business Use Area @ 1/150 sf = 44 occupants
- **Total =44 occupants**

***TOTAL* = 30,052 SF (GROSS)**
***TOTALOCCUPANTS= 236 occupants***

MAX DIAGONAL = 192'-2"
DISTANCE BETWEEN EXITS = 1/3 DIAGONAL = 64' MINIMUM
ACTUAL DISTANCE BTWEEN EXITS = 77'-6"

'B' BUSINESS OCCUPANCY - SPRINKLED
MAXIMUM OL OF SPACE WITH 1 EXIT = 49

MAX COMMON PATH OF EGRESS = 100' (1006.2.1)

MAX TRAVEL DISTANCE = 300' (1017.2)

STAIR (1019) (713)(716)
CONSTRUCTION RATING REQUIRED (2HR) (1023.2)
2-HR. FIRE BARRIER (707.3.10)
TOP ENCLOSURE (707.5)
SUPPORTING CONSTRUCTION (707.5.1)
AREA OF REFUGE(NOT REQUIRED) (1009- EXCEPTION 2)

90 MIN. DOORS (716.1(2) (ICC500-306.4)

ICC500 (506.2)

ACCESSIBLE ROUTE REQUIRED (1104.4)
ELEVATOR CAN BE PART OF ACCESSIBLE ROUTE AND MUST COMPLY WITH (1009.4.1 AND 1009.4.2)
STAND-BY POWER PROVIDED PER CHPTR. 27 (1009.4.1)

**ICC500 - STORM SHELTER AREA OF BUILDING**

(306.2)SHALL BE FIRE RESISTANCE RATED (603)+ APPLICABLE CODE- 2HR RATED.(603.1)

OCCUPANT LOAD OF 16 OR LESS DO NOT REQUIRE EMERGENCY ESCAPE (504.4)

IMPACT RESISTANT GLAZING (306.4.1)

# SAFE ROOM TABULATION

SAFE ROOM PROGRAM IS CONTAINED IN NORTH WING OF THE FACILITY ON ALL FOUR FLOORS AS SHOWN.

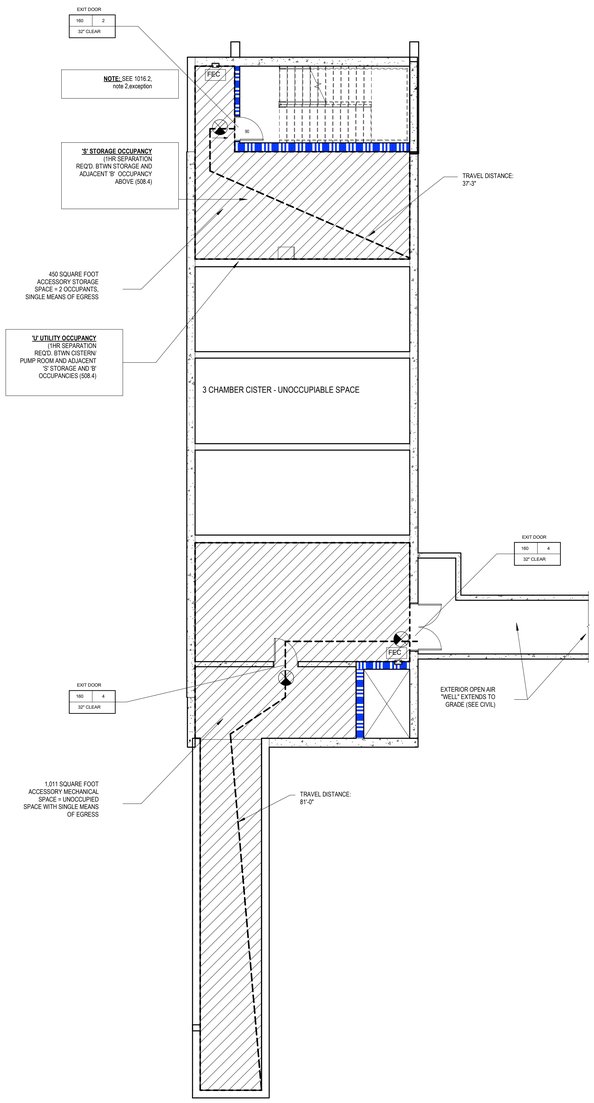
BASED ON ICC-500, SECTION 502.4.1-2, THIS PROVIDES THE FOLLOWING TOTAL USABLE SQUARE FOOTAGES: 4,655 TOTAL USABLE SQUARE FEET IN NORTH WING
1ST FLOOR : 1,113 SF; 2ND FLOOR : 1,184 SF; 3RD FLOOR : 1,184 SF; 4TH FLOOR : 1,184 SF

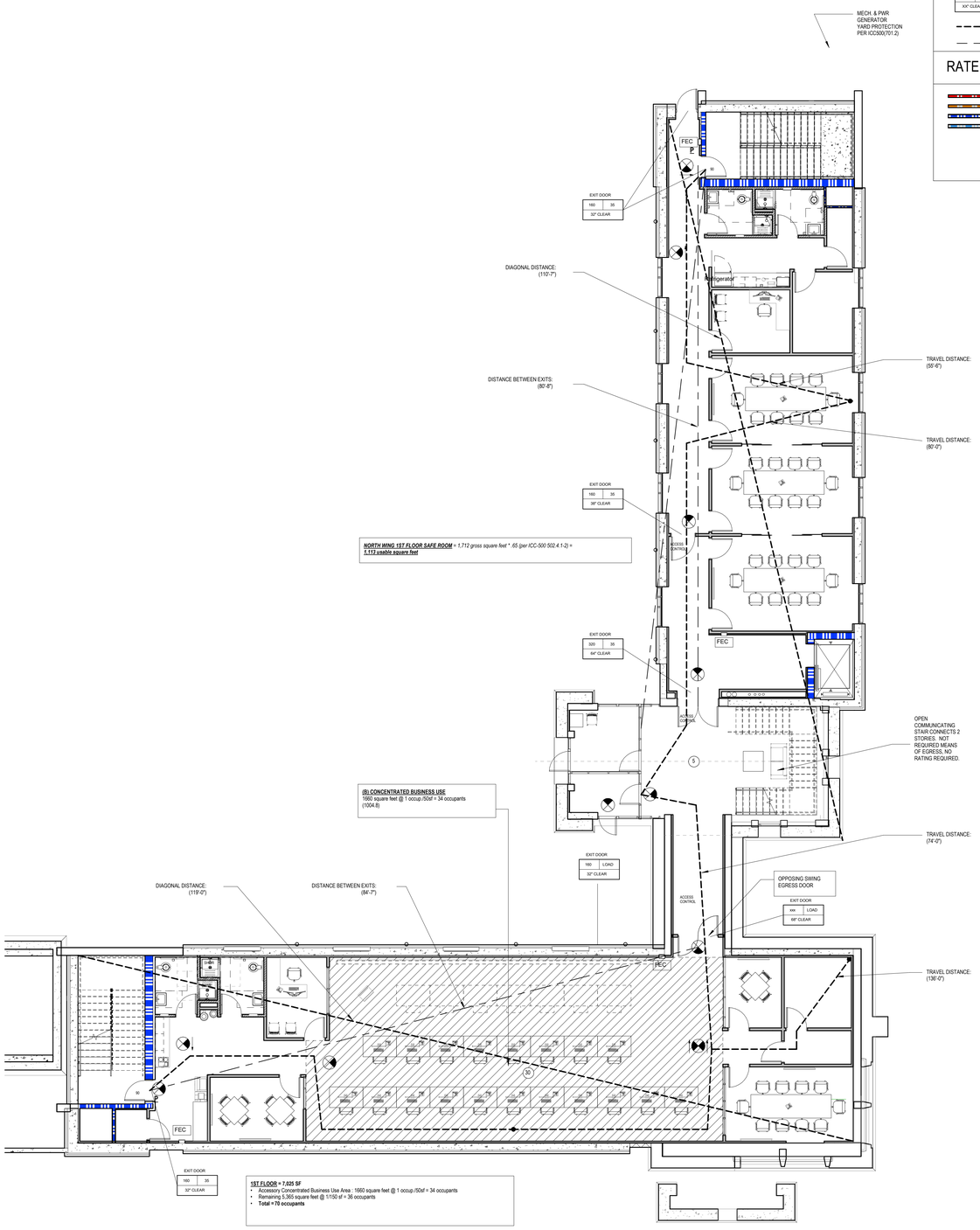
**TOTAL SAFE ROOM USABLE SQUARE FOOTAGE : 4,665 SQUARE FEET**

PER ICC-500 TABLE 502.3, ALL SAFE ROOM OCCUPANT MUST FALL INTO ONE OF TWO CATEGORIES :
STANDING / SEATED/WHEELCHAIR : 20 SF/OCCUPANT
BED / STRETCHER : 40 SF/OCCUPANT

BASED ON THESE CACULATIONS, AND 200 OCCUPANTS IN THE S

ALL INFORMATION CONTAINED HEREIN IS THE PROPERTY OF SPRINGLINE ARCHITECTS L.L.C. THE CONCEPTS, IDEAS, DESIGNS AND DETAILS AS SHOWN ON THE DOCUMENTS WERE CREATED, DEVELOPED, AND PRESENTED FOR USE ON THIS SPECIFIC PROJECT AND SHALL NOT BE REUSED FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF SPRINGLINE ARCHITECTS L.L.C. THE OWNER SHALL BE PERMITTED TO RETAIN COPIES FOR INFORMATION AND REFERENCE PURPOSES ONLY.




## LIFE SAFETY LEGEND

REFER TO ELECTRICAL FOR COMPLETE LIST

- FE - FIRE EXTINGUISHER PER LOCAL JURISDICTION. COORDINATE LOCATIONS IN FIELD.
- FEC - FIRE EXTINGUISHER CABINET, SEMI-RECESSED
- EXIT SIGN
- 10 — OCCUPANCY COUNT OF AREA
- P — DOOR PROVIDED W/ PANIC HARDWARE OR PUSH/PULL
- EXIT DOOR (CAP | LOAD; X.X" CLEAR) — CAP - EXIT CAPACITY; LOAD - ANTICIPATED LOAD; CLEAR - CLEAR EXIT DOOR WIDTH (INCHES)
- EGRESS TRAVEL PATH
- DISTANCE BETWEEN EXIT DOORS

## RATED WALL LEGEND

- 1 HOUR FIRE BARRIER
- 1 HOUR SMOKE BARRIER
- 2 HOUR FIRE BARRIER
- 2 HOUR SMOKE BARRIER

**A1** BASEMENT LIFE SAFETY PLAN
G003 1/8" = 1'-0"

**A2** 1ST FLOOR LIFE SAFETY PLAN
G003 1/8" = 1'-0"

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SUBMISSIONS:

| Ref | Description | Date |
|---|---|---|
| A | Schematic | 03.04.2022 |
| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA
Wind Retrofit & Safe Room
Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

BASEMENT & 1ST FLOOR LIFE SAFETY PLANS

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL
CHECKED BY: JLT
DATE: August 18, 2022
NOVUS JOB NUMBER 470-20-02
OOR PROJECT NUMBER 4340-0010

SHEET NUMBER G003

30% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

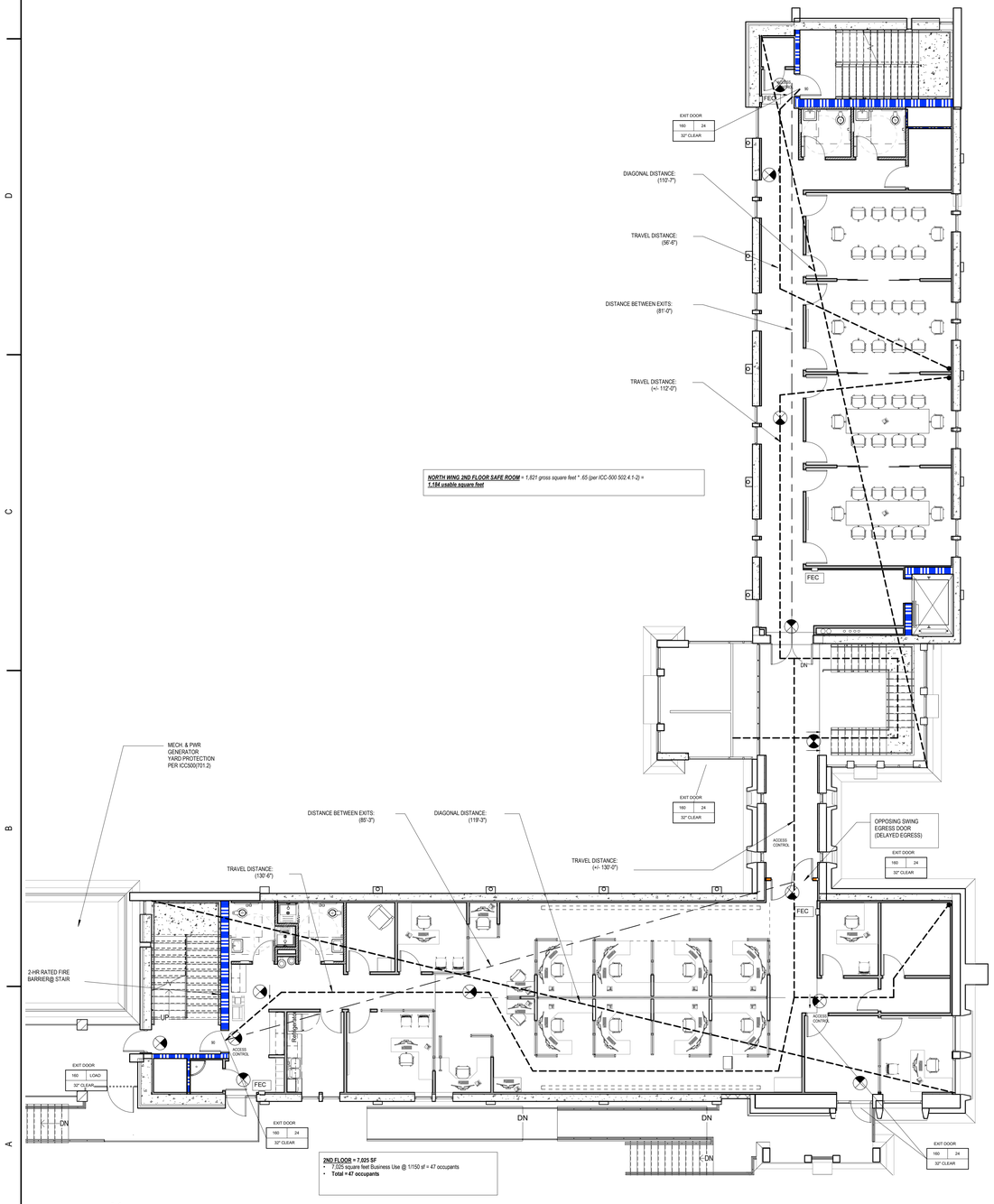
## RATED WALL LEGEND

- 1 HOUR FIRE BARRIER
- 1 HOUR SMOKE BARRIER
- 2 HOUR FIRE BARRIER
- 2 HOUR SMOKE BARRIER

## LIFE SAFETY LEGEND

REFER TO ELECTRICAL FOR COMPLETE LIST

- FE - FIRE EXTINGUISHER PER LOCAL JURISDICTION. COORDINATE LOCATIONS IN FIELD.
- FEC - FIRE EXTINGUISHER CABINET, SEMI-RECESSED
- EXIT SIGN
- 10 — OCCUPANCY COUNT OF AREA
- P — DOOR PROVIDED W/ PANIC HARDWARE OR PUSH/PULL
- EXIT DOOR (CAP | LOAD; X.X" CLEAR) — CAP - EXIT CAPACITY; LOAD - ANTICIPATED LOAD; CLEAR - CLEAR EXIT DOOR WIDTH (INCHES)
- EGRESS TRAVEL PATH
- DISTANCE BETWEEN EXIT DOORS

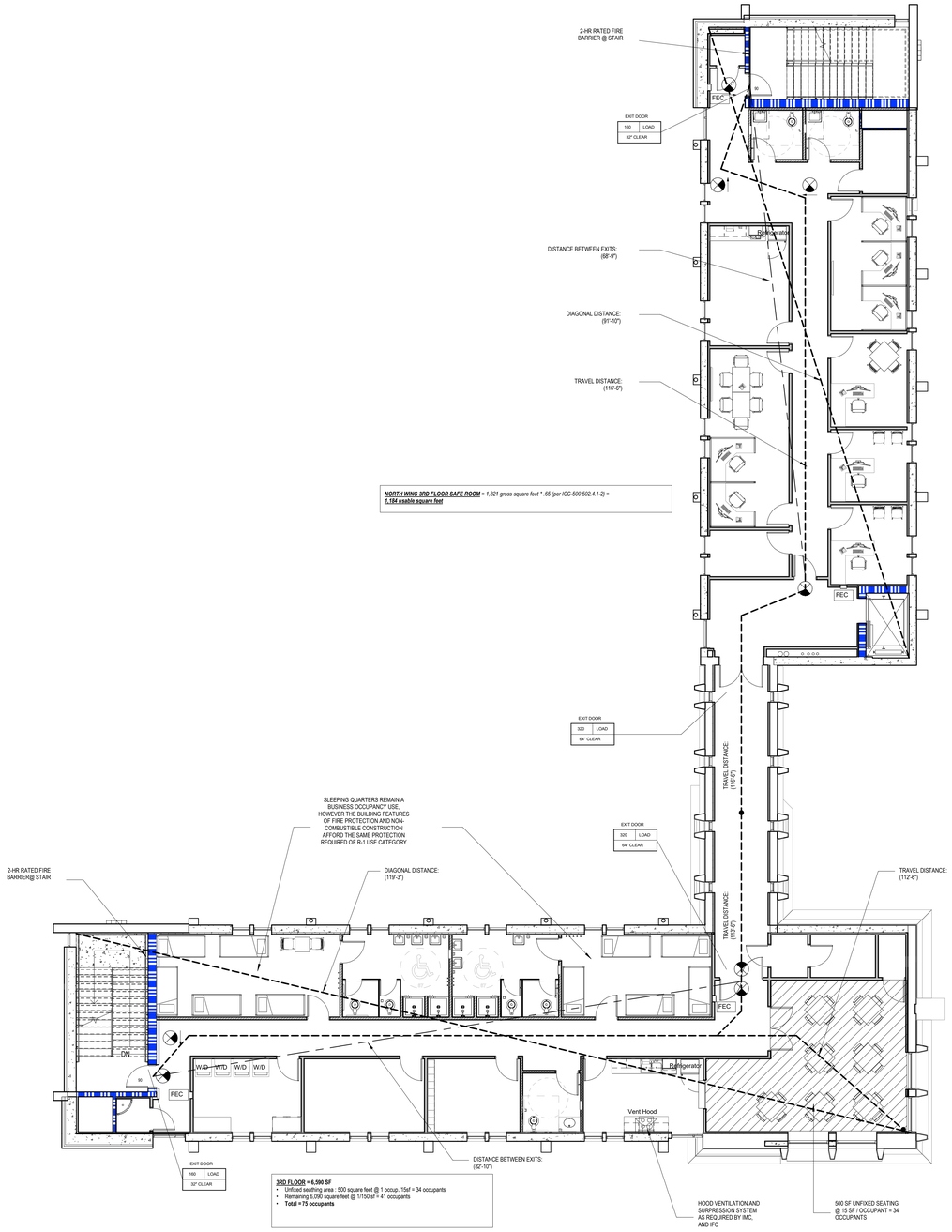



**NORTH WING 2ND FLOOR SAFE ROOM** = 1,821 gross square feet * .65 (per ICC-500 502.4.1-2) = **1,184 usable square feet**

**2ND FLOOR = 7,025 SF**
- 7,025 square feet Business Use @ 1/150 sf = 47 occupants
- **Total = 47 occupants**

## A1 SD - 2ND FLOOR LIFE SAFETY PLAN

G004 1/8" = 1'-0"




**NORTH WING 3RD FLOOR SAFE ROOM** = 1,821 gross square feet * .65 (per ICC-500 502.4.1-2) = **1,184 usable square feet**

**3RD FLOOR = 6,590 SF**
- Unfixed seathing area : 500 square feet @ 1 occup./15sf = 34 occupants
- Remaining 6,090 square feet @ 1/150 sf = 41 occupants
- **Total = 75 occupants**

HOOD VENTILATION AND SURPRESSION SYSTEM AS REQUIRED BY IMC AND IFC

500 SF UNFIXED SEATING @ 15 SF / OCCUPANT = 34 OCCUPANTS

## A6 SD - 3RD FLOOR LIFE SAFEETY PLAN

G004 1/8" = 1'-0"

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SUBMISSIONS:

| Ref | Description | Date |
|---|---|---|
| A | Schematic | 03.04.2022 |
| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder; 102-B, 102-C Estate Hermon Hill

2ND & 3RD FLOOR LIFE SAFETY PLANS

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER 470-20-02

OOR PROJECT NUMBER 4340-0010

SHEET NUMBER G004

30% CONSTRUCTION DOCUMENTS

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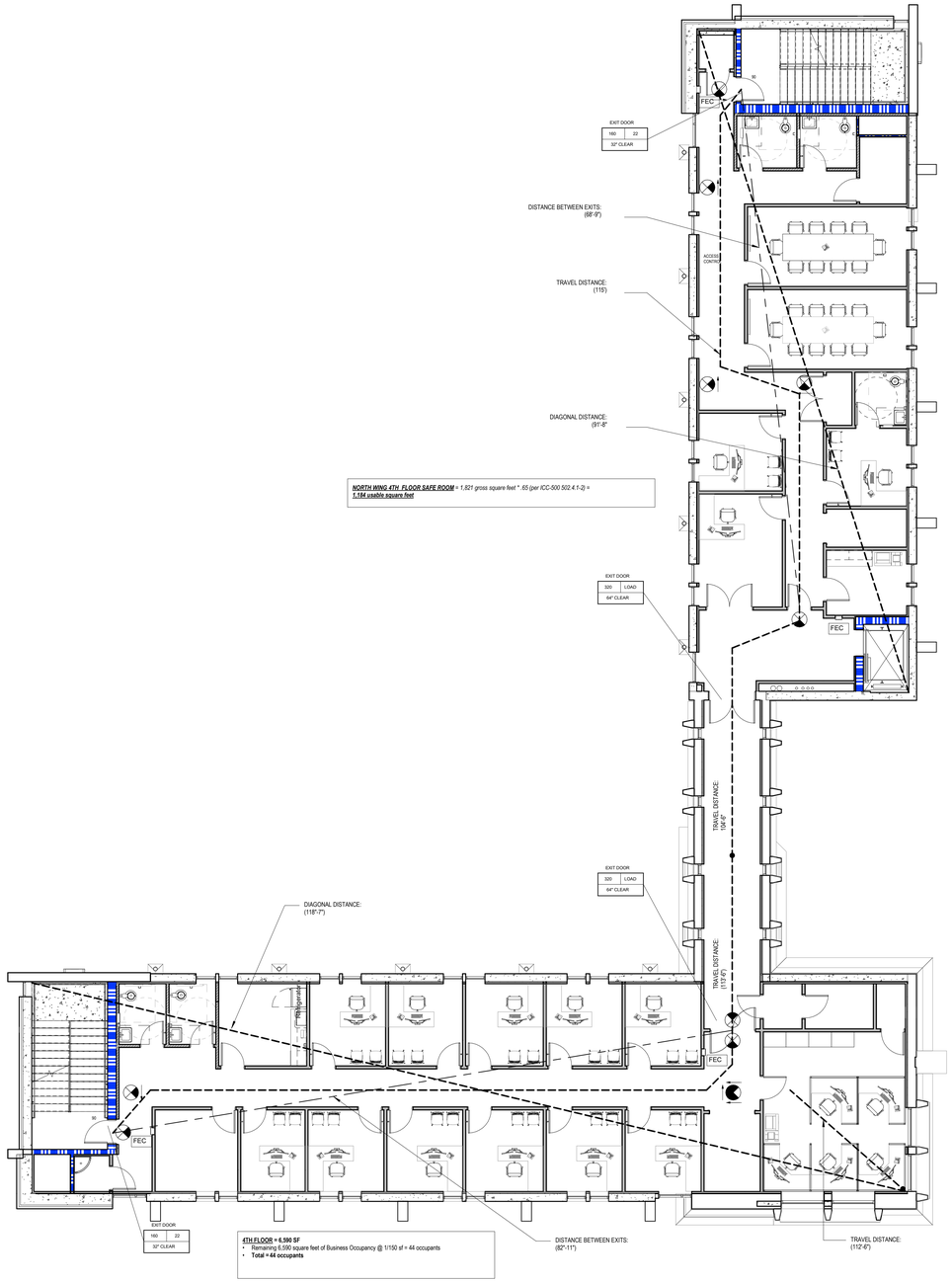
## RATED WALL LEGEND

- 1 HOUR FIRE BARRIER
- 1 HOUR SMOKE BARRIER
- 2 HOUR FIRE BARRIER
- 2 HOUR SMOKE BARRIER

## LIFE SAFETY LEGEND

REFER TO ELECTRICAL FOR COMPLETE LIST

- FE - FIRE EXTINGUISHER PER LOCAL JURISDICTION. COORDINATE LOCATIONS IN FIELD.
- FEC - FIRE EXTINGUISHER CABINET, SEMI-RECESSED
- EXIT SIGN
- 10 — OCCUPANCY COUNT OF AREA
- P — DOOR PROVIDED W/ PANIC HARDWARE OR PUSH/PULL
- EXIT DOOR (CAP | LOAD / X.X" CLEAR) — CAP - EXIT CAPACITY; LOAD - ANTICIPATED LOAD; CLEAR - CLEAR EXIT DOOR WIDTH (INCHES)
- EGRESS TRAVEL PATH
- DISTANCE BETWEEN EXIT DOORS




***NORTH WING 4TH FLOOR SAFE ROOM*** *= 1,821 gross square feet * .65 (per ICC-500 502.4.1-2) =*
***1,184 usable square feet***

***4TH FLOOR = 6,590 SF***
- Remaining 6,590 square feet of Business Occupancy @ 1/150 sf = 44 occupants
- **Total = 44 occupants**

**A6** SD - 4TH FLOOR LIFE SAFETY PLAN

G005 1/8" = 1'-0"

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SUBMISSIONS:

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| A | Schematic | 03.04.2022 |
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| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

4TH FLOOR LIFE SAFETY PLAN

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER
470-20-02

OOR PROJECT NUMBER
4340-0010

SHEET NUMBER
G005

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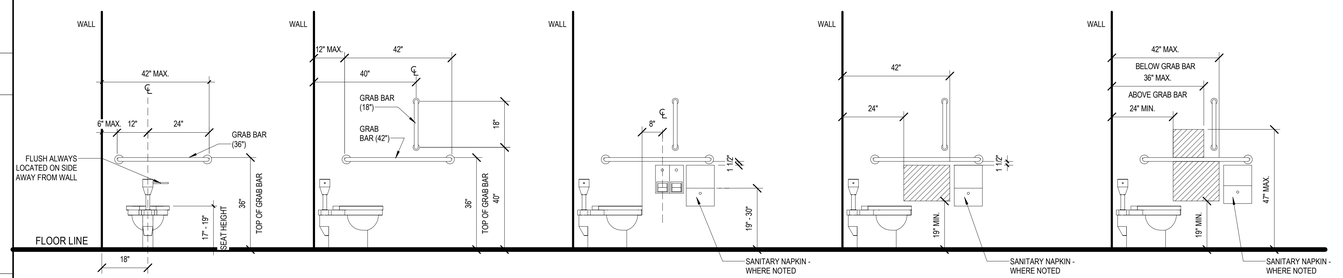
# ABBREVIATIONS

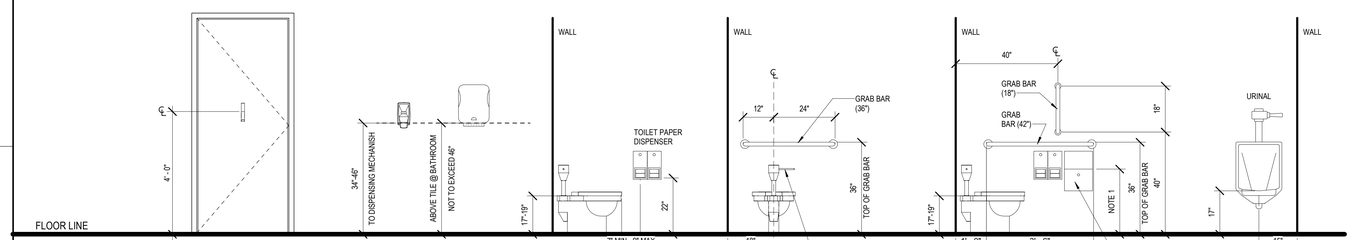
| | |
|---|---|
| @ | AT |
| AB | ANCHOR BOLT |
| ABV | ABOVE |
| ACP | ACOUSTICAL PANEL |
| ACT | ACOUSTICAL TILE |
| ADJ | ADJUSTABLE / ADJACENT |
| AFF | ABOVE FINISHED FLOOR |
| ALT | ALTERNATIVE |
| ALUM | ALUMNINUM |
| ANOD | ANODIZED |
| ARCH | ARCHITECTURAL / ARCHITECT |
| B | BASE |
| BB | BULLETIN BOARD |
| BD | BOARD |
| BIT | BITUMINOUS |
| BLDG | BUILDING |
| BLKG | BLOCKING |
| BO | BY OWNER |
| BOT | BOTTOM |
| BRG | BEARING |
| BRK | BRICK |
| CAB | CABINET |
| C/C | CENTER TO CENTER |
| CF/CI | CONTRACTOR FURNISHED / CONTRACTOR INSTALLED |
| CF/OI | CONTRACTOR FURNISHED / OWNER INSTALLED |
| CIP | CAST IN PLACE |
| C | CENTER LINE |
| CLG | CEILING |
| CJ | CONTROL JOINT |
| CLO | CLOSET |
| CLR | CLEAR |
| CMU | CONCRETE MASONARY UNIT |
| COL | COLUMN |
| CONC | CONCRETE |
| CONST | CONSTRUCTION |
| CONT | CONTINUOUS |
| CPT | CARPET |
| CT | CERAMIC TILE |
| CTR | CENTER |
| D | DEPTH |
| DB | DECIBEL |
| DBL | DOUBLE |
| DEMO | DEMOLISH |
| DET | DETAIL |
| DG | DRINKING FOUNTAIN |
| DIA | DIAMETER |
| DIM | DIMENSION |
| DN | DOWN |
| DS | DOWNSPOUT |
| DW | DISHWASHER |
| DWR | DRAWER |
| E | EAST |
| EA | EACH |
| EL | EACH LAYER OR ELEVATION |
| EFS | EXTERIOR FINISH SYSTEM |
| ELEC | ELECTRIC SPACE / ELECTRICAL |
| ELEV | ELEVATOR |
| EJ | EXPANSION JOINT |
| EQ | EQUAL |
| EQUIP | EQUIPMENT |
| ES | EACH SIDE |
| EW | EACH WAY |
| EWC | ELECTRIC WATER COOLER |
| EXH FN | EXHAUST FAN |
| EXIST (E) | EXISTING |
| EXT | EXTERIOR |
| EXP | EXPANSION / EXPOSED |
| FC | FIBER CEMENT |
| FD | FLOOR DRAIN |
| FDC | FIRE DEPARTMENT CONNECTION |
| FE | FIRE EXTINGUISHER |
| FEC | FIRE EXTINGUISHER CABINET |
| FF | FINISHED FLOOR / FACTORY FINISH |
| FFE | FINISHED FLOOR ELEVATION |
| FIN | FINISH |
| FLR | FLOOR |
| FOF | FACE OF FINISH |
| FOM | FACE OF MASONRY |
| FOS | FACE OF STUD |
| FT | FEET |
| FRZ | FREEZER |
| GA | GAGE |
| GALV | GALVANIZED |
| GB | GRAB BAR |
| GL | GLASS |
| GYP BD | GYPSUM WALLBOARD |
| H | HIGH |
| HC | HANDICAP ACCESSIBLE |
| HDW | HARDWARE |
| HM | HOLLOW METAL |
| HORIZ | HORIZONTAL |
| HR | HOUR / HANDRAIL |
| HT | HEIGHT |
| HVAC | HEATING VENTILATION AIR CONDITIONING |
| ID | INTERIOR DIAMETER |
| IN | INCH |
| INSUL | INSULATION |
| INT | INTERIOR |
| IR | IMPACT RESISTANT |
| JAN | JANITOR |
| JF | JOINT FILLER |
| JT | JOINT |
| L | ANGLE / LEFT / LENGTH / LIGHTING PANEL / LONG LEG |
| LAV | LAVATORY |
| LKR | LOCKER |
| LVR | LOUVER |
| MATL | MATERIAL |
| MAX | MAXIMUM |
| MB | MARKER BOARD |
| MBMF | METAL BUILDING MFR. |
| ME | MATCH EXISTING |
| MECH | MECHANICAL |
| MED | MEDIUM |
| MEMB | MEMBRANE |
| MEZZ | MEZZANINE |
| MFR | MANUFACTURER |
| MIN | MINIMUM |
| MIR | MIRROR |
| MO | MASONRY OPENING |
| MR | MOISTURE RESISTANT |
| MTD | MOUNTED |
| MTH | MARBLE THRESHOLD |
| MTL | METAL |
| MS | MOP SINK |

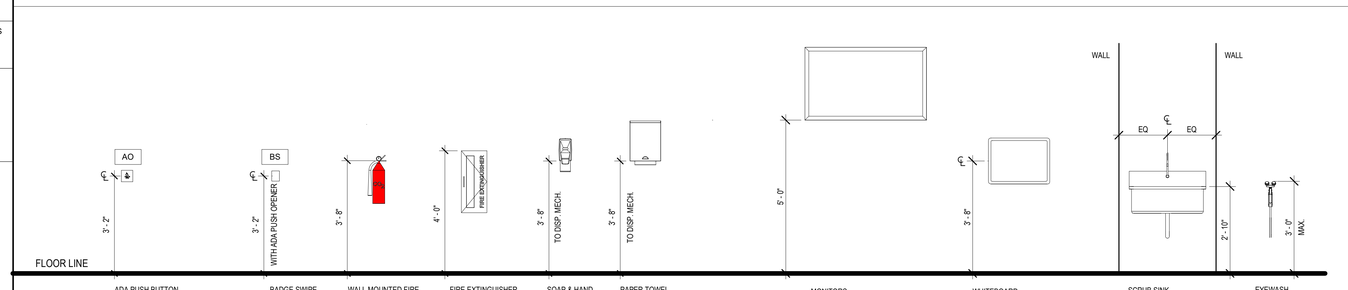
| | |
|---|---|
| N | NORTH / NEW |
| NIC | NOT IN CONTRACT |
| NO | NUMBER |
| NOM | NOMINAL |
| NTS | NOT TO SCALE |
| OA | OVERALL / OUTSIDE AIR |
| OB | OBSCURE |
| OC | ON CENTER |
| OD | OUTSIDE DIAMETER |
| OF | OUTSIDE FACE |
| OF/CI | OWNER FURNISHED / CONTRACTOR INSTALLED |
| OF/OI | OWNER FURNISHED / OWNER INSTALLED |
| OH | OVERHEAD |
| OPNG | OPENING |
| OPP | OPPOSITE / OPPOSITE HAND |
| ORD | OVERFLOW ROOF DRAIN |
| OZ | OUNCE |
| P | PAINT |
| PH | PAPER HOLDER/ PHONE/ PHASE |
| PLAM | PLASTIC LAMINATE |
| PLBG | PLUMBING |
| PLTF | PLATFORM |
| PLYWD | PLYWOOD |
| PNL | PANEL |
| PORC | PORCELAIN |
| PR | PAIR |
| PREFAB | PREFABRICATED |
| PREFIN | PREFINISHED |
| PSI | POUNDS PER SQUARE INCH |
| PTB | PORCELAIN TILE BASE |
| PTD | PAINTED / PAPER TOWEL DISPENSER |
| PTD/R | PAPER TOWEL DISPENSER / RECEPTACLE |
| PTN | PARTITION |
| PTR | PAPER TOWEL RECPTACLE |
| QT | QUARRY TILE |
| QTB | QUARRY TILE BASE |
| QTY | QUANTITY |
| R | RISER |
| R & S | ROD AND SHELF |
| RAD | RADIUS |
| RB | RUBBER BASE |
| RCP | REFLECTED CEILING PLAN |
| RD | ROOF DRAIN |
| REBAR | REINFORCING STEEL BAR |
| RECP | RECEPTACLE |
| REF | REFERENCE / REFRIGERATOR |
| REINF | REINFORCE / REINFORCING |
| REQD | REQUIRED |
| RESIL | RESILIENT |
| RET | RETURN / RETAINING |
| RGH | ROUGH |
| RM | ROOM |
| RO | ROUGH OPENING |
| RP | RESIN PANEL |
| RS | ROUGH SAW |
| RTD | RATED |
| S | SOUTH |
| SB | SPLASH BLOCK |
| SCHED | SCHEDULE |
| SCWD | SOLID CORE WOOD |
| SD | SOAP DISPENSER |
| SF | SQUARE FEET |
| SH | SHELF |
| SHV | SHELVING |
| SHWR | SHOWER |
| SHT | SHEET |
| SIM | SIMILAR |
| SK | SINK |
| SM | SHEET METAL |
| SND | SANITARY NAPKIN DISPENSER |
| SNR | SANITARY NAPKIN RECEPTACLE |
| SPEC | SPECIFICATION |
| SPK | SPEAKER |
| SS | STANDING SEAM |
| SSK | SERVICE SINK |
| SST | STAINLESS STEEL |
| STC | SOUND TRANSMITION CLASS |
| STD | STANDARD |
| STL | STEEL |
| STRUCT | STRUCTURAL |
| SUSP | SUSPENDED |
| T | TREAD |
| T/ | TOP |
| T & G | TONGUE AND GROOVE |
| TB | TOWEL BAR |
| TEL | TELEPHONE |
| TGL | TEMPERED GLASS |
| TH | THRESHOLD |
| THK | THICK |
| TKBD | TACKBOARD |
| TLT | TOILET |
| TPD | TOILET PAPER DISPENSER |
| TPH | TOILET PAPER HOLDER |
| TPTN | TOILET PARTITION |
| TR | TREAD |
| TRTD | TREATED |
| TSL | TOP OF SLAB |
| T/S | TOP OF STEEL |
| TV | TELEVISION |
| TYP | TYPICAL |
| UL | UNDERWRITERS LABORATORIES |
| UNFIN | UNFINISHED |
| UNO | UNLESS NOTED OTHERWISE |
| UR | URINAL |
| VB | VAPOR BARRIER / VINYL BASE |
| VCT | VINYL COMPOSITION TILE |
| VERT | VERTICAL |
| VR | VAPOR RETARDER |
| VIF | VERIFY IN FIELD |
| VT | VINYL TILE |
| VWC | VINYL WALL COVERING |
| VTR | VENT THROUGH ROOF |
| W | WIDE / WEST |
| W/ | WITH |
| W/O | WITHOUT |
| WB | WOOD BASE |
| WC | WATER CLOSET |
| WD | WOOD |
| WDB | WOOD BASE |
| WDO | WINDOW |
| WDP | WOOD PANEL |
| WG | WIRE GLASS |
| WH | WATER HEATER |
| WP | WATERPROOFING |
| WR | WATER RESISTANT |
| WS | WEATHER STRIPPING |
| WSCT | WAINSCOT |
| WWM | WELDED WIRE MESH |
| YD | YARD |

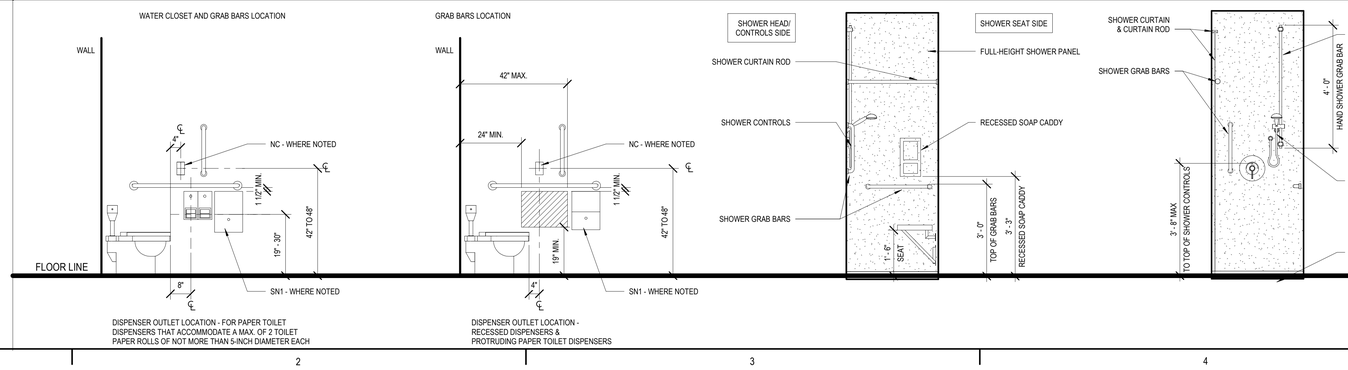
# TYPICAL MOUNTING HEIGHTS



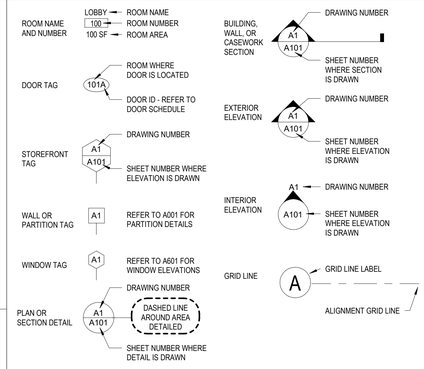



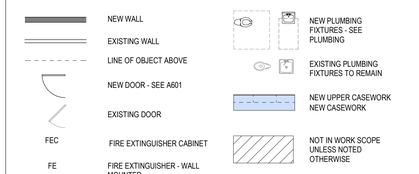




# REFERENCE SYMBOL LEGEND



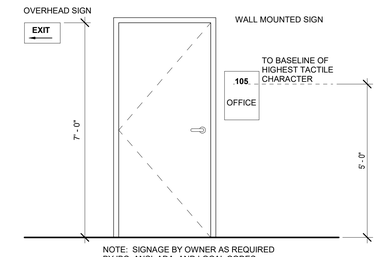

# GENERAL LEGEND




LEGENDS SHEET LEGEND
1/8" = 1'-0"

# MATERIALS LEGEND

| | | | |
|---|---|---|---|
| | EARTH, COMPACT FILL | | RIGID INSULATION |
| | CONCRETE | | FACE BRICK |
| | PRECAST CONCRETE | | FINISH WOOD |
| | CONCRETE MASONRY | | PLYWOOD |
| | SAND, MORTAR, GYPSUM BOARD, PLASTER, STUCCO | | ROUGH WOOD |
| | BATT INSULATION / SOUND ATTENUATION BLANKET | | WOOD BLOCKING |




NOTE: SIGNAGE BY OWNER AS REQUIRED BY IBC, ANSI, ADA, AND LOCAL CODES.

# SIGNAGE

4.30.6 MOUNTING LOCATION AND HEIGHT. WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH THE SIDE OF THE DOOR, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL. MOUNTING HEIGHT SHALL BE 60" (1525MM) ABOVE THE FINISH FLOOR TO THE CENTERLINE OF THE SIGN TO WITHIN 3" (76MM) OF THE SIGN WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE DOORSWING.

4.4.2 HEAD ROOM. WALKS, HALLS, CORRIDORS, PASSAGEWAYS, AISLES, OR OTHER CIRCULATION SPACES SHALL HAVE 80" (2030 MM) MINIMUM CLEAR HEAD ROOM. IF VERTICAL CLEARANCE OF AN AREA ADJOINING AN ACCESSIBLE ROUTE IS REDUCED TO LESS THAN 80" A BARRIER TO WARN THE BLIND OR VISUALLY IMPAIRED PERSONS SHALL BE PROVIDED.

| HEIGHT ABOVE FINISH FLOOR | MINIMUM CHARACTER HEIGHT |
|---|---|
| SUSPENDED OR PROJECTED OVERHEAD IN COMPLIANCE WITH 4.4.2, 60"; MOUNTED ON WALL ADJACENT TO LATCH SIDE OF THE DOOR, CENTERLINE OF THE SIGN. | MINIMUM OF 3" |

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| E | 100% CDs | |

VITEMA
Wind Retrofit & Safe Room
Plot No. 102-A Reminder, 102-B, 102-C Estate Hermon Hill

ABBREVIATIONS, LEGENDS, & MOUNTING HEIGHTS

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL
CHECKED BY: JLT
DATE: August 18, 2022
NOVUS JOB NUMBER 470-20-02
ODR PROJECT NUMBER 4340-0010

SHEET NUMBER G006

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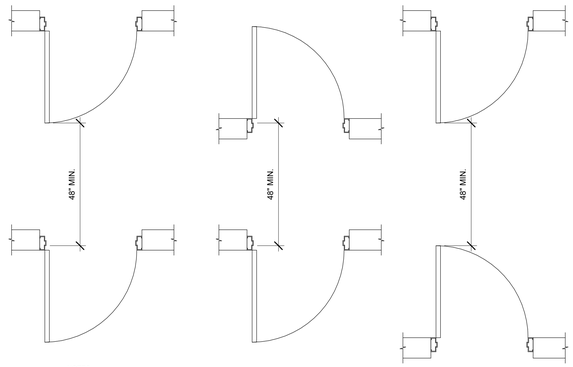
**GENERAL** NOTES:

1. MANUAL DOORS, DOORWAYS, AND MANUAL GATES
   - 1.1. REVOLVING DOORS, GATES, AND TURNSTILES. REVOLVING DOORS, REVOLVING GATES, AND TURNSTILES SHALL NOT BE PART OF AN ACCESSIBLE ROUTE.
   - 1.2. DOUBLE-LEAF DOORS AND GATES. AT LEAST ONE OF THE ACTIVE LEAVES OF DOORWAYS WITH TWO LEAVES SHALL COMPLY WITH 1.3 AND 1.4 BELOW
   - 1.3. CLEAR WIDTH. DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES (815 mm) MINIMUM. CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24 INCHES (610 mm) DEEP SHALL PROVIDE A CLEAR OPENING OF 36 INCHES (915 mm) MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34 INCHES (865 mm) ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES (865 mm) AND 80 INCHES (2030 mm) ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES (100 mm). EXCEPTIONS: 1. IN ALTERATIONS, A PROJECTION OF 5/8 INCH (16 mm) MAXIMUM INTO THE REQUIRED CLEAR WIDTH SHALL BE PERMITTED FOR THE LATCH SIDE STOP. 2. DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78 INCHES (1980 mm) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.
   - 1.4. MANEUVERING CLEARANCES. MANEUVERING CLEARANCES SHALL EXTEND THE FULL WIDTH OF THE DOORWAY AND THE REQUIRED LATCH SIDE OR HINGE SIDE CLEARANCE. EXCEPTION: ENTRY DOORS TO HOSPITAL PATIENT ROOMS SHALL NOT BE REQUIRED TO PROVIDE THE CLEARANCE BEYOND THE LATCH SIDE OF THE DOOR.
   - 1.5. SWINGING DOORS AND GATES. SWINGING DOORS AND GATES SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH THE TABLE BELOW.
2. FLOOR OR GROUND SURFACES.
   - 2.1. FLOOR OR GROUND SURFACES WITHIN REQUIRED MANEUVERING CLEARANCES SHALL BE STABLE, FIRM, AND SLIP RESISTANT. EXCEPTIONS: 1. SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED. 2. CHANGES IN LEVEL AT THRESHOLDS COMPLYING WITH 2.2 BELOW.
   - 2.2. THRESHOLDS. THRESHOLDS, IF PROVIDED AT DOORWAYS, SHALL BE 1/2 INCH (13 mm) HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH 2.1 ABOVE AND LEVEL CHANGE REQUIREMENTS.

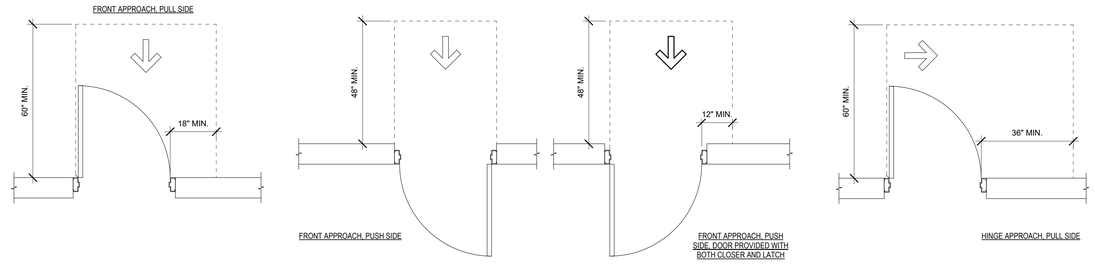
TABLE: MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES

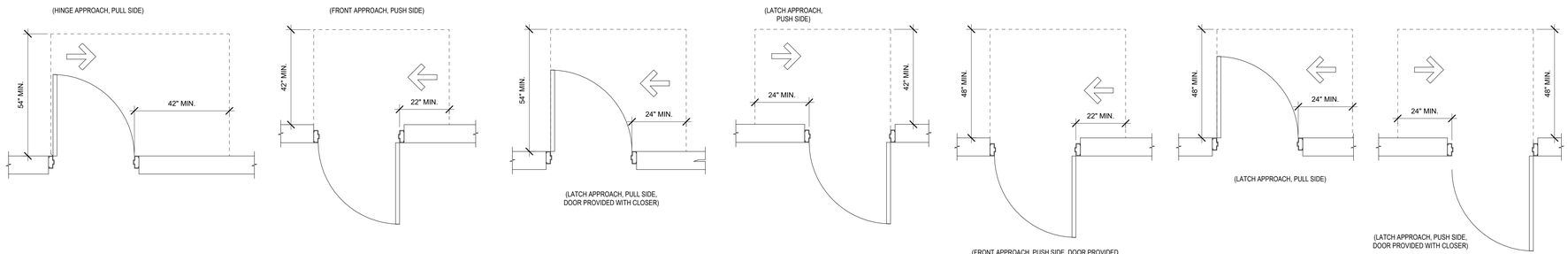
| TYPE OF USE | | MINIMUM MANEUVERING CLEARANCE | |
|---|---|---|---|
| APPROACH DIRECTION | DOOR OR GATE SIDE | PERPENDICULAR TO DOORWAY | PARALLEL TO DOORWAY (BEYOND LATCH SIDE UNLESS NOTED) |
| FROM FRONT | PULL | 60 INCHES (1525 mm) | 18 INCHES (455 mm) |
| FROM FRONT | PUSH | 48 INCHES (1220 mm) | 0 INCHES (0mm)[1] |
| FROM HINGE SIDE | PULL | 60 INCHES (1525 mm) | 36 INCHES (905 mm) |
| FROM HINGE SIDE | PULL | 54 INCHES (1370 mm) | 42 INCHES (1065 mm) |
| FROM HINGE SIDE | PUSH | 42 INCHES (1065 mm)[3] | 22 INCHES (560 mm) [2] |
| FROM LATCH SIDE | PULL | 48 INCHES (1220 mm) [4] | 24 INCHES (610 mm) |
| FROM LATCH SIDE | PUSH | 42 INCHES (1065 mm) [4] | 24 INCHES (610 mm) |

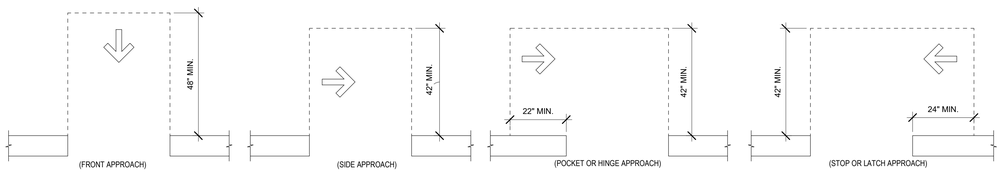
1. ADD 12 INCHES (305 mm) IF CLOSER AND LATCH ARE PROVIDED.
2. ADD 6 INCHES (150 mm) IF CLOSER AND LATCH ARE PROVIDED.
3. BEYOND HINGE SIDE.
4. ADD 6 INCHES (150 mm) IF CLOSER IS PROVIDED.




NOTES:
1. DOORS IN SERIES AND GATES IN SERIES. THE DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES AND GATES IN SERIES SHALL BE 48 INCHES (1220 mm) MINIMUM PLUS THE WIDTH OF DOORS OR GATES SWINGING INTO THE SPACE.
2. FLOOR OR GROUND SURFACES.
   - 2.1. FLOOR OR GROUND SURFACES WITHIN REQUIRED MANEUVERING CLEARANCES SHALL BE STABLE, FIRM, AND SLIP RESISTANT. EXCEPTIONS: 1. SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED. 2. CHANGES IN LEVEL AT THRESHOLDS COMPLYING WITH 2.2 BELOW.
   - 2.2. THRESHOLDS. THRESHOLDS, IF PROVIDED AT DOORWAYS, SHALL BE 1/2 INCH (13 mm) HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH 2.1 ABOVE AND LEVEL CHANGE REQUIREMENTS.



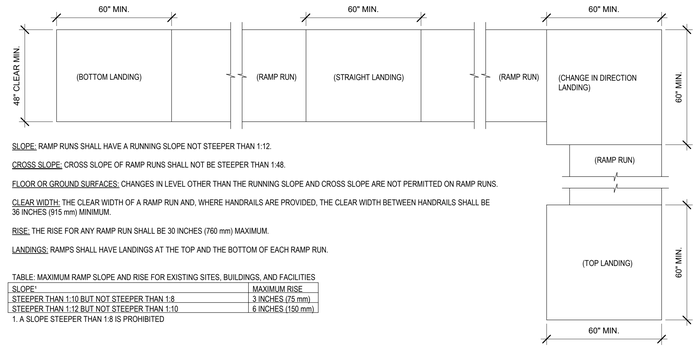




NOTES:
1. DOORWAYS WITHOUT DOORS OR GATES, SLIDING DOORS, AND FOLDING DOORS. DOORWAYS LESS THAN 36 INCHES (915 mm) WIDE WITHOUT DOORS OR GATES, SLIDING DOORS, OR FOLDING DOORS SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE BELOW.

| | MINIMUM MANEUVERING CLEARANCE | |
|---|---|---|
| APPROACH DIRECTION | PERPENDICULAR TO DOORWAY | PARALLEL TO DOORWAY (BEYOND LATCH SIDE UNLESS NOTED) |
| FROM FRONT | 48 INCHES (1220 mm) | 0 INCHES (0mm) |
| FROM SIDE[1] | 42 INCHES (1065 mm) | 0 INCHES (0mm) |
| FROM POCKET/HINGE SIDE | 42 INCHES (1065 mm) | 22 INCHES (560 mm)[2] |
| FROM STOP/LATCH SIDE | 42 INCHES (1065 mm) | 24 INCHES (610 mm) |

**1** MANUAL SWING DOORS AND GATES
G007 1/2" = 1'-0"




SLOPE: RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12.

CROSS SLOPE: CROSS SLOPE OF RAMP RUNS SHALL NOT BE STEEPER THAN 1:48.

FLOOR OR GROUND SURFACES: CHANGES IN LEVEL OTHER THAN THE RUNNING SLOPE AND CROSS SLOPE ARE NOT PERMITTED ON RAMP RUNS.

CLEAR WIDTH: THE CLEAR WIDTH OF A RAMP RUN AND, WHERE HANDRAILS ARE PROVIDED, THE CLEAR WIDTH BETWEEN HANDRAILS SHALL BE 36 INCHES (915 mm) MINIMUM.

RISE: THE RISE FOR ANY RAMP RUN SHALL BE 30 INCHES (760 mm) MAXIMUM.

LANDINGS: RAMPS SHALL HAVE LANDINGS AT THE TOP AND THE BOTTOM OF EACH RAMP RUN.

TABLE: MAXIMUM RAMP SLOPE AND RISE FOR EXISTING SITES, BUILDINGS, AND FACILITIES

| SLOPE[1] | MAXIMUM RISE |
|---|---|
| STEEPER THAN 1:10 BUT NOT STEEPER THAN 1:8 | 3 INCHES (75 mm) |
| STEEPER THAN 1:12 BUT NOT STEEPER THAN 1:10 | 6 INCHES (150 mm) |

1. A SLOPE STEEPER THAN 1:8 IS PROHIBITED

**2** TYPICAL RAMP DETAIL
G007 3/8" = 1'-0"

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|---|---|---|
| A | Schematic | 03.04.2022 |
| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA
Wind Retrofit & Safe Room
Plot No. 102-A Reminder, 102-B, 102-C Estate Hermon Hill

TYPICAL CLEARANCES

REVISIONS:

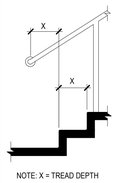
| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL
CHECKED BY: JLT
DATE: August 18, 2022
NOVUS JOB NUMBER 470-20-02
OOR PROJECT NUMBER 4340-0010

SHEET NUMBER G007

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NOTE: X = TREAD DEPTH

FIG 505.10.3 BOTTOM HANDRAIL EXTENSION AT STAIRS

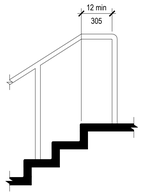



FIG 505.10.2 TOP HANDRAIL EXTENSION AT STAIRS

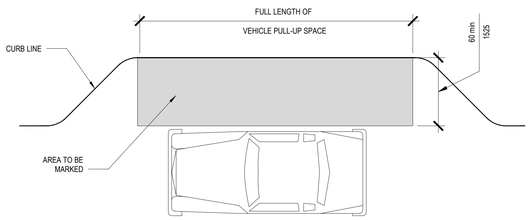



FIG 503.3
PASSENGER LOADING ZONE ACCESS AISLE

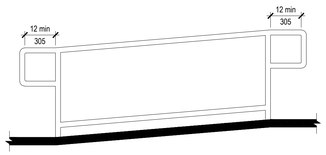



FIG 505.10.1 TOP & BOTTOM HANDRAIL EXTENSION AT RAMP

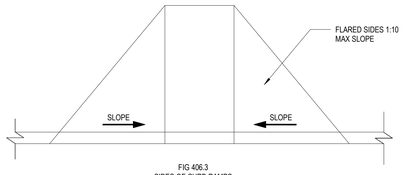
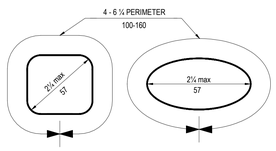



FIG 406.3
SIDES OF CURB RAMPS




(a) (b)

FIG 505.7.2 HANDRAIL
NON-CIRCULAR CROSS SECTION

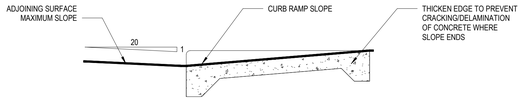


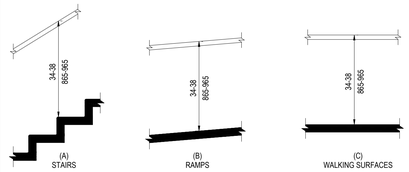

FIG 406.2 COUNTER SLOPE
OF SURFACES ADJACENT TO
CURB RAMPS




FIG 505.6 HORIZONTAL PROJECTIONS
BELOW GRIPPING SURFACE




FIG 505.5
HANDRAIL CLEARANCE




(A) STAIRS (B) RAMPS (C) WALKING SURFACES

FIG 505.4
HANDRAIL HEIGHT

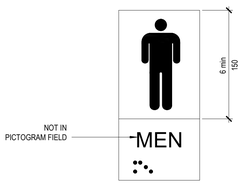



FIG 703.6
PICTOGRAM FIELD

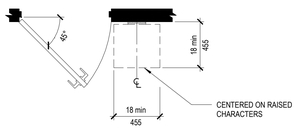


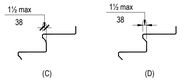

FIG 703.4.2 LOCATION OF
TACTILE SIGNS AT DOORS




(A)
RADIUS OF TREAD EDGE
(TYPICAL FOR ALL PROFILES)




(B)
ANGLED RISER



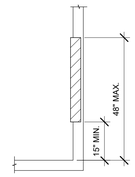

(C) CURVED NOSING (D) BEVELED NOSING

FIG 504.5
STAIR NOSING

## B1 GENERAL SITE & BUILDING ELEMENTS

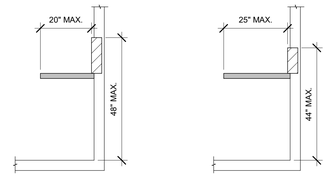
G008 NOT TO SCALE

UNOBSTRUCTED FORWARD REACH



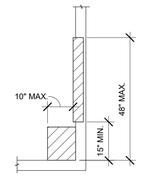

UNOBSTRUCTED. WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48 INCHES (1220 mm) MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15 INCHES (380 mm) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

OBSTRUCTED HIGH FORWARD REACH



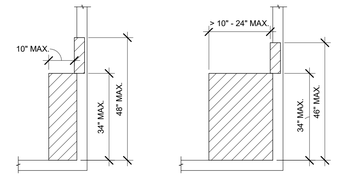

OBSTRUCTED HIGH REACH. WHERE A HIGH FORWARD REACH IS OVER AN OBSTRUCTION, THE CLEAR FLOOR SPACE SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION. THE HIGH FORWARD REACH SHALL BE 48 INCHES (1220 mm) MAXIMUM WHERE EHT REACH DEPTH IS 20 INCHES (510 mm) MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 20 INCHES (510 mm), THE HIGH FORWARD REACH SHALL BE 44 INCHES (1120 mm) MAXIMUM AND THE REACH DEPTH SHALL BE 25 INCHES (635 mm) MAXIMUM.

UNOBSTRUCTED SIDE REACH




UNOBSTRUCTED. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE SIDE REACHIS UNOBSTRUCTED, THE HIGH SIDE REACH SHALL BE 48 INCHES (1220 mm) MAXIMUM AND THE LOW SIDE REACH SHALL BE 15 INCHES (380 mm) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

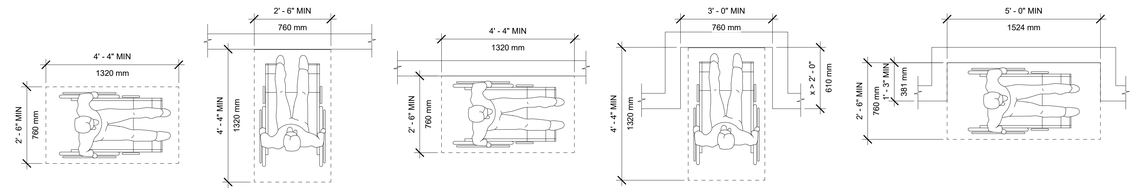
OBSTRUCTED HIGH SIDE REACH




OBSTRUCTED HIGH REACH. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND HE HIGH SIDE REACH IS OVER AN OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL BE 34 INCHES (865 mm) MAXIMUM AND THE DEPTH OF THE OBSTRUCTION SHALL BE 24 INCHES (610mm) MAXIMUM. THE HIGH SIDE REACH SHALL BE 48 INCHES (1220 mm) MAXIMUM FOR A REACH DEPTH OF 10 INCHES (255 mm) MAXIMUM. WHERE HE REACH DEPTH EXCEEDS 10 INCHES (255 mm), THE HIGH SIDE REACH SHALL BE 46 INCHES (1170 mm) MAXIUMU FOR A REACH DEPTH OF 24 INCHES (610 mm) MAXIMUM.

## E5 REACH RANGES

G008 1/2" = 1'-0"

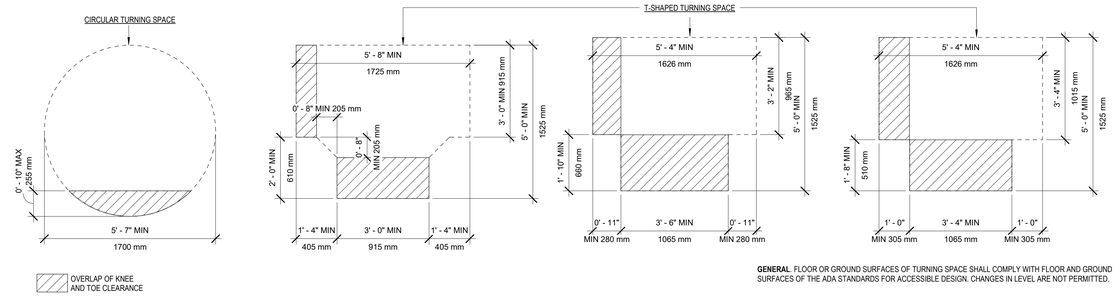



CLEAR FLOOR OR GROUND SPACE | FORWARD APPROACH | PARALLEL APPROACH | MANEUVERING CLEARANCE IN AN ALCOVE, FORWARD APPROACH | MANEUVERING CLEARANCE IN AN ALCOVE, PARALLEL APPROACH

**GENERAL**. FLOOR OR GROUND SURFACES OF TURNING SPACE SHALL COMPLY WITH FLOOR AND GROUND SURFACES OF THE ADA STANDARDS FOR ACCESSIBLE DESIGN. CHANGES IN LEVEL ARE NOT PERMITTED.

## D5 CLEAR FLOOR SPACES

G008 1/2" = 1'-0"



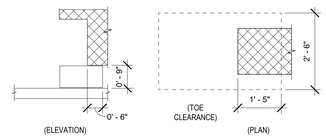

OVERLAP OF KNEE AND TOE CLEARANCE

**GENERAL**. FLOOR OR GROUND SURFACES OF TURNING SPACE SHALL COMPLY WITH FLOOR AND GROUND SURFACES OF THE ADA STANDARDS FOR ACCESSIBLE DESIGN. CHANGES IN LEVEL ARE NOT PERMITTED.

## C5 TURNING SPACES

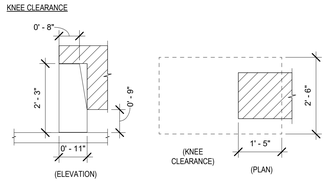
G008 1/2" = 1'-0"

TOE CLEARANCE




NOTES:
1. SPACE UNDER AN ELEMENT BETWEEN THE FINISH FLOOR OR GROUND AND 9 INCHES (230 mm) ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED TOE CLEARANCE.
2. TOE CLEARANCE SHALL EXTEND 25 INCHES (635 mm) MAXIMUM UNDER AN ELEMENT.
3. WHERE TOE CLEARANCE IS REQUIRED AT AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE TOE CLEARANCE SHALL EXTEND 17 INCHES (430 mm) UNDER THE ELEMENT.
4. SPACE EXTENDING GREATER THAN 6 INCHES (150 mm) BEYOND THE AVAILABLE KNEE CLEARANCE AT 9 INCHES (230 mm) ABOVE THE FINISH FLOOR OR GROUND SHALL NOT BE CONSIDERED TOE CLEARANCE.
5. TOE CLEARANCE SHALL BE 30 INCHES (760 mm) WIDE MINIMUM.

KNEE CLEARANCE

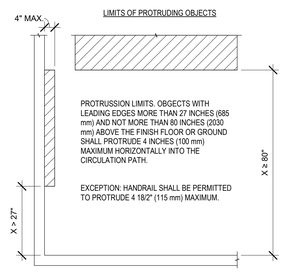



NOTES:
1. SPACE UNDER AN ELEMENT BETWEEN 9 INCHES (230mm) AND 27 INCHES (685mm) ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED KNEE CLEARANCE.
2. KNEE CLEARANCE SHALL EXTEND 25 INCHES (635mm) MAXIMUM UNDER AN ELEMENT AT 9 INCHES (230mm) ABOVE THE FINISH FLOOR OR GROUND.
3. WHERE KNEE CLEARANCE IS REQUIRED UNDER AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE KNEE CLEARANCE SHALL BE 11 INCHES (280mm) DEEP MINIMUM AT 9 INCHES (230mm) ABOVE THE FINISH FLOOR OR GROUND, AND 8 INCHES (205mm) DEEP MINIMUM AT 27 INCHES (685mm) ABOVE FINISH FLOOR OR GROUND.
4. BETWEEN 9 INCHES (230mm) AND 27 INCHES (685mm) ABOVE THE FINISH FLOOR OR GROUND, THE KNEE CLEARANCE SHALL BE PERMITTED TO REDUCE AT A RATE OF 1 INCH (25mm) IN DEPTH FOR EACH 6 INCHES (150mm) IN HEIGHT.

## B5 KNEE AND TOE CLEARANCES

G008 1/2" = 1'-0"

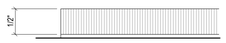
LIMITS OF PROTRUDING OBJECTS




## B9 PROTRUDING OBJECTS

G008 1/2" = 1'-0"

CARPET PILE HEIGHT



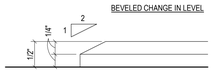

CARPET. CARPET OR CARPET TILE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD, OR BACKING OR NOT CUSHION OR PAD. CARPET OR CARPET TILE SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT/UNCUT PILE TEXTURE. PILE HEIGHT SHALL BE 1/2 INCH (13 mm) MAXIMUM. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND SHALL HAVE TRIM ON THE ENTIRE LENGTH OF THE EXPOSED EDGE. CARPET EDGE TRIM SHALL COMPLY WITH CHANGES IN LEVEL.

VERTICAL CHANGE IN LEVEL




VERTICAL: CHANGES IN LEVEL OF 1/4 INCH. (6.4 mm) HIGH MAXIMUM SHALL BE PERMITTED TO BE VERTICAL.

BEVELED CHANGE IN LEVEL




BEVELED: CHANGES IN LEVEL BETWEEN 1/4 INCH (6.4mm) HIGH MINIMUM AND 1/2 INCH (13mm) HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2.

**GENERAL**. FLOOR AND GROUND SURFACES SHALL BE STABLE, FIRM, AN DSLIP RESISTANT.

## A1 FLOOR AND GROUND SURFACES

G008 1/2" = 1'-0"

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| D | 90% CDs | |
| E | 100% CDs | |

VITEMA
Wind Retrofit & Safe Room
Plot No. 102-A Reminder, 102-B, 102-C Estate Hermon Hill

TYPICAL DETAILS

REVISIONS:

| No. | Description | Date |
|---|---|---|

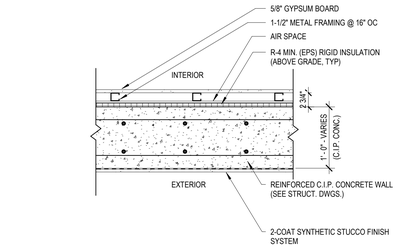
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CHECKED BY: JLT
DATE: August 18, 2022

NOVUS JOB NUMBER
470-20-02
OOR PROJECT NUMBER
4340-0010

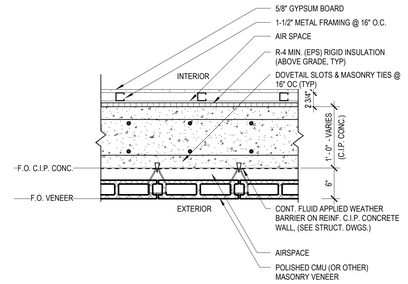
SHEET NUMBER
G008

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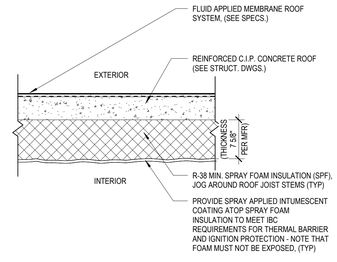
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**EXTERIOR 12" CAST-IN-PLACE CONCRETE WALL @ STUCCO**



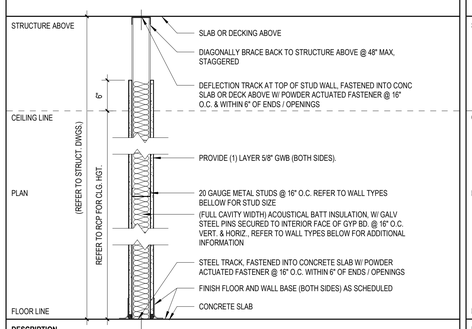

**EXTERIOR 12" CAST-IN-PLACE CONCRETE WALL @ MASONRY VENEER**




**ROOF - MEMBRANE ROOF OVER C.I.P. CONCRETE**

**B4** EXTERIOR WALL DETAILS
G200 1" = 1'-0"

## TYPICAL WALLS TO 6" ABOVE CEILING



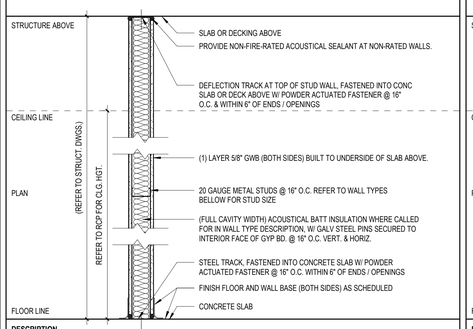

**DESCRIPTION**

METAL STUDS @ 16" OC (1) LAYER OF 5/8" GYP BD EACH SIDE TO 6" ABOVE CEILING. REFER TO WALL TYPES TABLE BELOW FOR ACOUSTICAL BATT INSULATION.

| WALL TAG | DESCRIPTION |
|---|---|
| M01 | 3-5/8" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" GYP BD EACH SIDE TO 6" ABOVE CEILING |

**A1** WALL SECTION - TYPICAL WALLS TO 6" ABOVE CEILING
G200 1" = 1'-0"

## TYPICAL WALLS TO UNDERSIDE OF STRUCTURE



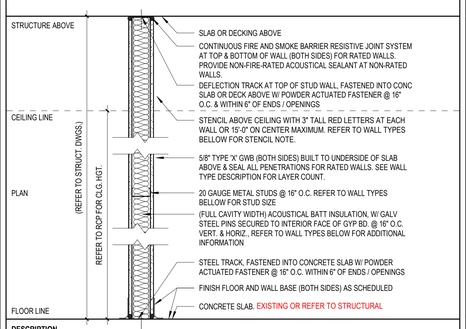

**DESCRIPTION**

METAL STUDS @ 16" OC (1) LAYER OF 5/8" GYP BD EACH SIDE TO UNDERSIDE OF DECK ABOVE AT NON-RATED PARTITIONS. REFER TO WALL TYPES TABLE BELOW FOR ACOUSTICAL BATT INSULATION.

| WALL TAG | DESCRIPTION |
|---|---|
| M02 | 3-5/8" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" GYP BD EACH SIDE TO UNDERSIDE OF DECK ABOVE |

**A2** WALL SECTION - TYPICAL WALLS TO UNDERSIDE OF STRUCTURE
G200 1" = 1'-0"

## FIRE/SMOKE RATING



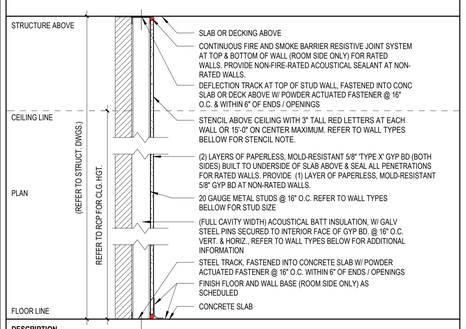

**DESCRIPTION**

METAL STUDS @ 16" OC (2) LAYERS OF 5/8" GYP BD EACH SIDE TO UNDERSIDE OF DECK ABOVE AT NON-RATED PARTITIONS. PROVIDE (2) LAYERS OF TYPE 'X' 5/8" GYP BD EACH SIDE EXTEND TO UNDERSIDE OF DECK ABOVE AND SEAL WITH FIRE RATED CAULKING AT RATED PARTITIONS. REFER TO WALL TYPES TABLE BELOW FOR ACOUSTICAL BATT INSULATION.

| WALL TAG | FIRE RATING | DESCRIPTION |
|---|---|---|
| M07 | 1 HR | 3-5/8" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" TYPE X GYP BD EACH SIDE TO UNDERSIDE OF DECK ABOVE AND SEAL WITH FIRE RATED CAULKING |

**A3** WALL SECTION - FIRE/SMOKE RATING
G200 1" = 1'-0"

## FURRING WALLS




**DESCRIPTION**

METAL STUDS @ 16" OC (1) LAYER OF 5/8" GYP BD, ONE SIDE. EXTEND TO DECK UNLESS NOTED OTHERWISE IN WALL DESCRIPTION BELOW.

| WALL TAG | DESCRIPTION |
|---|---|
| M21 | 3-5/8" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" GYP BD ONE SIDE TO 6" ABOVE CEILING |
| M22 | 3-5/8" METAL STUDS @ 16" OC WITH 1 LAYER OF 5/8" GYP BD ONE SIDE TO UNDERSIDE OF DECK ABOVE |
| M86 | 5/8" METAL HAT CHANNEL WITH 1 LAYER OF 5/8" GYP BD ONE SIDE TO UNDERSIDE OF DECK ABOVE |
| M90 | 1 LAYER OF 2" RIGID INSULATION WITH 7/8" METAL HAT CHANNEL AND 1 LAYER OF 5/8" GYP BD ONE SIDE TO UNDERSIDE OF DECK ABOVE |

**A4** WALL SECTION - FURRING WALLS
G200 1" = 1'-0"

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| A | Schematic | 03.04.2022 |
| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA
Wind Retrofit & Safe Room
Plot No. 102-A Reminder, 102-B, 102-C Estate Hermon Hill

WALL & ROOF ASSEMBLIES

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL
CHECKED BY: JLT
DATE: August 18, 2022

NOVUS JOB NUMBER
470-20-02
CDR PROJECT NUMBER
4340-0010

SHEET NUMBER
G200

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# VITEMA SAFE ROOM & WIND RETROFIT

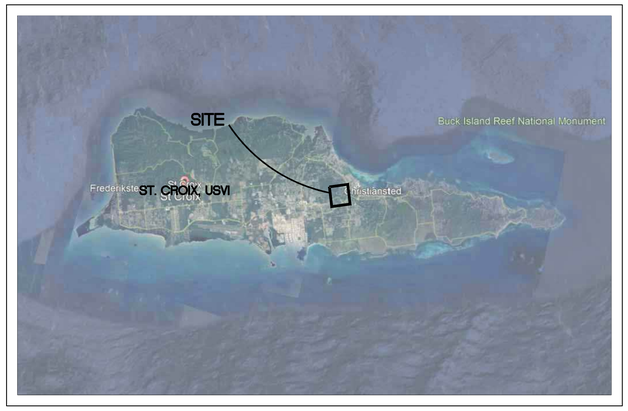
## DESIGN DEVELOPMENT

Prepared For

SPRINGLINE ARCHITECTS

6346 ESTATE SMITH BAY,
St. Thomas, USVI 00802

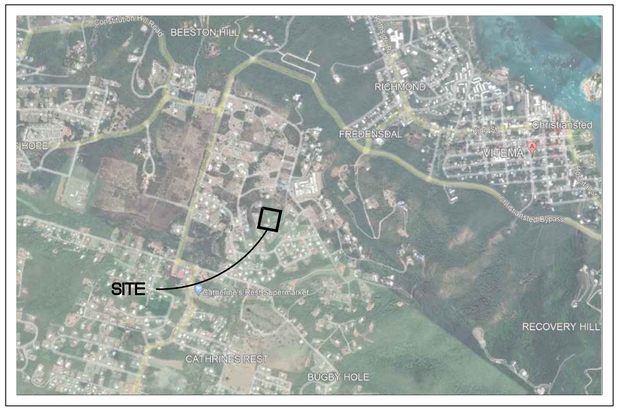
### VICINITY MAP




NOT TO SCALE

| CIVIL DRAWING INDEX | |
|---|---|
| SHEET NUMBER | SHEET TITLE |
| C0.00 | COVER SHEET |
| C0.01 | GENERAL NOTES SHEET |
| C0.02 | EXISTING CONDITIONS PLAN |
| C0.90 | EROSION CONTROL + DEMOLITION PLAN |
| C1.00 | SITE PLAN |
| C1.01 | GEOMETRY PLAN |
| C2.00 | GRADING + DRAINAGE PLAN |
| C3.00 | UTILITY PLAN |
| C4.00 | DETAILS SHEET |
| C4.01 | DETAILS SHEET |
| C4.02 | DETAILS SHEET |
| C4.03 | DETAILS SHEET |

### LOCATION MAP




NOT TO SCALE

## Prepared By


**HARRIS**

Harris Civil Engineers, LLC

1200 Hillcrest Street
Suite 200
Orlando, Florida 32803

Phone: (407) 629-4777
Fax: (407) 629-7888

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SUBMISSIONS:

| Ref | Description | Date |
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| A | Schematic | 03/04/2022 |
| B | 30% CDs | 08/18/2022 |
| C | 60% CDs | - |
| D | 90% CDs | - |
| E | 100% CDs | - |

VITEMA SAFE ROOM & WIND RETROFIT
ST.CROIX, USVI

COVER SHEET

REVISIONS:

| No. | Description | Date |
|---|---|---|
| | | |

DRAWN BY: NW
CHECKED BY: DT
DATE: 08/18/2022

HCE JOB NUMBER
06162037

SHEET NUMBER
C0.00

**NOT FOR CONSTRUCTION**

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## SOIL EROSION AND SEDIMENTATION CONTROL NOTES

1. ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS.
2. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO, ANY CONSTRUCTION. SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF THE SITE.
3. SUCH MATERIALS FROM WORK ON THIS PROJECT SHALL BE CONTAINED, AND NOT ALLOWED TO COLLECT ON ANY OFF-PERIMETER AREAS OR IN WATERWAYS. THESE INCLUDE BOTH NATURAL AND MAN-MADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES AND PONDS.
4. DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR TO DETERMINE THE EFFECTIVENESS OF THESE EFFORTS. ANY NECESSARY REMEDIES SHALL BE PERFORMED WITHOUT DELAY.
5. ALL MUD, DIRT OR OTHER MATERIALS TRACKED OR SPILLED ONTO EXISTING ROADS AND FACILITIES FROM THIS SITE, DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.
6. PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES OR ANY DISTURBED LAND AREAS SHALL BE COMPLETED WITHIN (15) FIFTEEN CALENDAR DAYS AFTER FINAL GRADING. WHEN IT IS NOT POSSIBLE TO PERMANENTLY PROTECT A DISTURBED AREA IMMEDIATELY AFTER GRADING OPERATIONS, TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED. ALL TEMPORARY PROTECTION SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE AND ESTABLISHED. A CERTIFICATE OF COMPLIANCE WILL NOT BE ISSUED UNTIL THE ABOVE REQUIREMENTS HAVE BEEN MET.

## GEOMETRY NOTES

1. ALL SURVEY DATA USED AND CONDITIONS ASSUMED TO BE PRESENT IN PREPARATION OF THESE PLANS WAS PROVIDED BY THE GREEN PIECE ENGINEERING + ENVIRONMENT. HARRIS CIVIL ENGINEERS, LLC, DOES NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THIS DATA.
2. THE CONTRACTOR SHALL VERIFY AND LOCATE ALL VERTICAL AND HORIZONTAL CONTROL POINTS PRIOR TO CONSTRUCTION. IF ANY DISCREPANCIES SHOULD BE FOUND, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND SURVEYOR OF THE CONDITION IN WRITING PRIOR TO COMMENCING HIS CONSTRUCTION ACTIVITIES.
3. ALL PAVEMENT OFFSETS, RADII AND DIMENSIONS SHOWN ARE TO PROPOSED EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
4. THE CONTRACTOR SHALL STAKE ALL IMPROVEMENTS USING THE GEOMETRIC DATA PROVIDED. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO COMPLETELY STAKE AND CHECK ALL IMPROVEMENTS TO ENSURE ADEQUATE POSITIONING, BOTH HORIZONTAL AND VERTICAL, PRIOR TO THE INSTALLATION OF ANY IMPROVEMENTS.
5. PER ENGINEER OF RECORD REQUIREMENTS, THE CONTRACTOR SHALL MAINTAIN A SET OF "AS-BUILT" PLANS ON SITE. AT THE END OF CONSTRUCTION, THE CONTRACTOR IS TO PROVIDE AN AS-BUILT SURVEY TO THE ENGINEER OF ALL THE FACILI- TIES CONSTRUCTED UNDER THESE PLANS. THE SURVEYOR SHALL CERTIFY AND SEAL EACH AS-BUILT PLAN "THESE AS-BUILT PLANS ACCURATELY DEPICT THE ACTUAL FACILITIES AS CONSTRUCTED".
6. TRAFFIC SIGHTED MARKINGS
   A. ALL DRIVEWAYS EXISTING ONTO ANY PUBLIC OR PRIVATE STREET MUST HAVE A TRAFFIC CONTROL DEVICE (30" STOP SIGN" MOUNTED 7' ABOVE THE PEDESTRIAN VEHICLE TRAVEL WAY (MEASURED FROM BOTTOM OF SIGN) AND THROUGHOUT THE SITE AS NECESSARY FOR SAFETY.
   B. ALL SIGN INSTALLATIONS SHALL COMPLY WITH SIZE, LOCATION AND HEIGHT (7') AS OUTLINED IN THE "MUTCD."
   C. PAVEMENT MARKINGS – GENERAL PRINCIPLES (SECTION 3A-5):
      1. PARKING LOT PAVEMENT MARKINGS SHALL BE WHITE (DIRECTIONAL ARROWS, STOP BARS, LINES DESIGNATING PARKING SPACES AND HANDICAPPED PARKING SYMBOLS).
      2. PAVEMENT MARKINGS ON TRAFFIC AISLES, PRIVATE STREETS OR PUBLIC STREETS SHALL CONFORM TO THE FOLLOWING:
         a. WHITE LINES DELINEATE THE SEPARATION OF TRAFFIC FLOWS IN THE SAME DIRECTION (AT DRIVEWAYS, WITHIN DRIVING AISLES AND ON STREETS).
         b. YELLOW LINES DELINEATE THE SEPARATION OF TRAFFIC IN THE OPPOSING DIRECTIONS (AT DRIVEWAYS, WITHIN DRIVING AISLES AND ON STREETS).

## DEMOLITION NOTES

1. PRIOR TO COMMENCEMENT OF DEMOLITION THE CONTRACTOR WILL COORDINATE THEIR ACTIVITIES WITH ALL THE UTILITY COMPANIES SERVING THIS AREA AND THE PROJECT MANAGER. CONTRACTOR IS TO COORDINATE FULLY WITH UTILITY COMPANIES AND THE PROJECT MANAGER ON EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
2. THE CONTRACTOR IS TO COMPLETELY REMOVE AND DISPOSE OF ALL STRUCTURES AND BUILDINGS INCLUDING FOUNDATIONS, TIMBER AND BRUSH, EXCEPT AS OTHERWISE INDICATED; STUMPS AND ROOTS; EXISTING PAVEMENT; OTHER STRUCTURES AS SHOWN OR REASONABLY IMPLIED IN THE DRAWINGS.
3. MINIMUM DEPTH FOR REMOVAL OF OBJECTS SHALL BE THREE (3) FEET BELOW SUB-GRADE IN ROADWAY AND SIDEWALK AREAS AND FOUR (4) FEET BELOW FINISHED GRADE ELSEWHERE. WHERE EXISTING BUILDINGS ARE TO BE DEMOLISHED, OR AT PROPOSED POOL LOCATIONS ALL TRACES OF FOUNDATIONS AND UNDERGROUND UTILITIES ARE TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL WASTE MATERIAL.
4. ALL BUILDING REMOVAL AND DEMOLITION SHALL BE PERFORMED AS SHOWN OR AS DIRECTED BY THE ENGINEER AND/OR THE PROJECT MANAGER.

## DRAINAGE NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO AND SHALL BE INSTALLED AND CLEARED FOR SERVICE IN ACCORDANCE WITH THE VIRGIN ISLANDS ZONING, BUILDING AND HOUSING LAWS AND REGULATIONS, JULY 2000, UNLESS MORE STRINGENT STATED REQUIREMENTS ARE OTHERWISE IN THE SPECIFICATIONS, OR SHOWN ON THE PLANS.
2. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL VERIFY LOCATION AND INVERTS OF EXISTING UTILITIES AT PROPOSED CROSSINGS AND POINTS OF CONNECTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY UTILITY CONFLICTS.
3. SUBSURFACE INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FOR USE IN ESTABLISHING DESIGN CRITERIA FOR THE PROJECT. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED AND IS NOT TO BE CONSTRUED AS PART OF THE PLANS GOVERNING CONSTRUCTION OF THE PROJECT.
4. ALL EARTHWORK OPERATIONS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS, CONTRACT DOCUMENTS AND RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER. (AS APPLICABLE).
5. WHEN TRENCH EXCAVATION EXCEEDS FIVE (5) FEET IN DEPTH:
   A. CONTRACTOR SHALL CONFORM TO OSHA STD. 29CFR. SECTION 1926.650 AND FLORIDA TRENCH SAFETY ACT.
   B. THE CONTRACTOR SHALL PROVIDE WRITTEN ASSURANCE OF COMPLIANCE WITH THIS LAW.
   C. TRENCH SAFETY SYSTEM SHALL BE DESIGNED BY THE CONTRACTOR.
6. ALL DRAINAGE PIPING SHALL HAVE A MINIMUM OF 3 FEET OF COVER UNLESS SHOWN OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
7. ALL DRAINAGE PIPES ARE REINFORCED CONCRETE PIPE, CLASS III, UNLESS OTHERWISE NOTED. ALL CONCRETE PIPE JOINTS SHALL BE WRAPPED IN FILTER FABRIC WRAP PER DETAIL.
8. DRAINAGE STRUCTURE TOP ELEVATION REFERS TO TOP OF FINISHED STRUCTURE.
9. THE CONTRACTOR SHALL LOCATE AND VERIFY VERTICAL AND HORIZONTAL LOCATIONS ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES PRIOR TO STARTING CONSTRUCTION.
10. THE CONTRACTOR SHALL ENSURE THAT PERMITS FOR CONSTRUCTION ARE OBTAINED PRIOR TO STARTING WORK.
11. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION ACTIVITY FOR DIG PERMITS, ELECTRICAL PERMITS OR OTHER PERMITS AS APPLICABLE. CONTRACTOR IS TO COORDINATE FULLY WITH UTILITY COMPANIES ON EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
12. THE LOCATIONS OF ALL EXISTING UTILITIES AND STORM DRAINAGE SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM AVAILABLE INFORMATION AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE OWNER OR ENGINEER ASSUMES NO RESPONSIBILITY FOR ACCURACY. PRIOR TO THE START OF CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION OF THESE UTILITIES WITH THE UTILITY COMPANY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING ANY UNDERGROUND UTILITY. EXISTING UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED AS DIRECTED ON THE PLANS.
13. ALL PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTED UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. THE COST FOR SUCH RESTORATION SHALL BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION WILL BE ALLOWED.

## PAVING AND GRADING NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE VIRGIN ISLANDS ZONING, BUILDING AND HOUSING LAWS AND REGULATIONS, JUNE 2000, FOR ROAD AND BRIDGE CONSTRUCTION, UNLESS MORE STRINGENT REQUIREMENTS STATED OTHERWISE IN THE SPECIFICATIONS OR ON THE PLANS.
2. THE CONTRACTOR SHALL STAKE ALL IMPROVEMENTS USING THE GEOMETRIC DATA PROVIDED. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO COMPLETELY STAKE AND CHECK ALL IMPROVEMENTS TO ENSURE ADEQUATE POSITIONING, BOTH HORIZONTAL AND VERTICAL, PRIOR TO THE INSTALLATION OF ANY IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IN WRITING IF ANY APPARENT DISCREPANCIES ARE FOUND.
3. SUBSURFACE INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FOR USE IN ESTABLISHING DESIGN CRITERIA FOR THE PROJECT.
4. ALL EARTHWORK OPERATIONS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND GEOTECHNICAL REPORT
5. ALL FILL SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY (AASHTO T-180), UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.
6. THE CONCRETE COMPRESSIVE STRENGTH FOR CURB AND GUTTER SHALL BE 2,500 PSI AT 28 DAYS.
7. THE CONTRACTOR SHALL REFERENCE AND RESTORE PROPERTY CORNERS AND LAND MARKERS DISTURBED DURING CONSTRUCTION (UNDER THE DIRECTION OF A VIRGIN ISLAND REGISTERED LAND SURVEYOR).
8. THE LOCATIONS OF ALL EXISTING UTILITIES AND STORM DRAINAGE SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM AVAILABLE INFORMATION AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE OWNER OR ENGINEER ASSUMES NO RESPONSIBILITY FOR ACCURACY. PRIOR TO THE START OF CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION OF THESE UTILITIES WITH THE UTILITY COMPANY. EXISTING UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED BY THE CONTRACTOR.
9. THE CONTRACTOR SHALL ENSURE THAT ALL PERMITS FOR CONSTRUCTION ARE OBTAINED PRIOR TO STARTING WORK.
10. ALL PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTED UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. THE COST FOR SUCH RESTORATION SHALL BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION WILL BE ALLOWED.
11. ROADWAY MARKINGS AND STRIPING TO BE INSTALLED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
13. THE CONTRACTOR SHALL PROVIDE FLAGMEN AND OTHER TRAFFIC MEASURES NECESSARY TO PROTECT AND FACILITATE TRAFFIC MOVEMENT DURING CONSTRUCTION.
14. A 24-HOUR NOTICE WILL BE GIVEN TO THE ENGINEER OF RECORD AND VIRGIN ISLAND BUILDING DEPARTMENT PRIOR TO TESTING ANY ROADWAY SHOWN ON THESE PLANS.
15. CONTRACTOR SHALL OBTAIN ANY LANE CLOSURE PERMITS REQUIRED FOR CONSTRUCTION FROM THE APPLICABLE JURISDICTION.(COST FOR PERMIT TO BE INCLUDED IN BID.)
16. CONTRACTOR SHALL OBTAIN A RIGHT-OF-WAY UTILIZATION PERMITS FROM THE APPLICABLE JURISDICTION FOR ALL CONSTRUCTION OPERATIONS WITHIN PUBLIC RIGHTS-OF-WAY. (COST FOR PERMITS TO BE INCLUDED IN BID.)
17. CONTRACTOR SHALL INSTALL TEMPORARY BENCH MARKS AS SHOWN ON THE PLANS AT START OF CONSTRUCTION. ALL VERTICAL ELEVATIONS ARE BASED ON THE CORP OF ENGINEERS DIGITAL ORTHOGRAPHIC TOPOGRAPHY, CIRCA 2007.

## STANDARD SEWER AND POTABLE WATER NOTES

1. A MINIMUM OF 3 FEET OF COVER SHALL BE MAINTAINED OVER ALL PROPOSED UTILITIES UNLESS SHOWN OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
2. WHERE POTABLE WATER AND SANITARY UTILITIES (SANITARY SEWER, FORCE MAIN, REUSE WATER) CROSS WITH LESS THAN EIGHTEEN (18) INCHES VERTICAL CLEARANCE, THE SEWAGE MAIN SHALL BE CONCRETE ENCASED PVC PIPE OR ENCASED IN A WATERTIGHT CARRIER PIPE, CENTERED ON THE POINT OF CROSSING. A MINIMUM HORIZONTAL SEPARATION OF SIX (6) TO TEN (10) FEET (EDGE TO EDGE) BETWEEN POTABLE WATER MAINS AND SEWAGE MAINS SHALL BE MAINTAINED WHEN PRACTICAL. WHEN THE APPROPRIATE HORIZONTAL SEPARATION CANNOT BE MAINTAINED THE SEWAGE MAIN SHALL BE CONCRETE ENCASED PVC PIPE OR ENCASED IN A WATERTIGHT CARRIER PIPE.
3. ALL WATER MAIN AND SANITARY SEWER MATERIALS AND APPURTENANCES SHALL BE INSTALLED, TESTED AND CLEARED FOR SERVICE IN ACCORDANCE WITH THE AHJ AND THE REQUIREMENTS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
4. PVC GRAVITY SEWER FOUR (4) INCH THROUGH (15) INCH SHALL BE SDR 26. JOINTS SHALL BE INTEGRAL BELL ELASTOMERIC GASKET IN ACCORDANCE WITH ASTM D3212 AND ASTM F477. ALL PVC SEWER SHALL BEAR THE "NSF-DW SEAL."
5. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION ACTIVITY FOR DIG PERMITS, ELECTRICAL PERMITS OR OTHER PERMITS AS APPLICABLE. CONTRACTOR IS TO COORDINATE FULLY WITH UTILITY COMPANIES ON EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
6. THE CONTRACTOR SHALL LOCATE AND VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES PRIOR TO STARTING.
7. ALL WATER AND SEWER LINES ARE TO BE CAPPED TEMPORARILY AT THEIR OPEN ENDS UNTIL CONNECTIONS ARE CONSTRUCTED.
8. WHEN TRENCH EXCAVATION EXCEEDS 5 FEET IN DEPTH:
   A. CONTRACTOR SHALL CONFORM TO OSHA STD. 29CFR. SECTION 1926.650.
   B. THE CONTRACTOR SHALL PROVIDE WRITTEN ASSURANCE OF COMPLIANCE WITH THIS LAW.
   C. TRENCH SAFETY SYSTEM SHALL BE BY THE CONTRACTOR.
9. ON-SITE WASTEWATER COLLECTION SYSTEM SHALL BE PRIVATELY OWNED AND MAINTAINED.

## PERMITS, PLANS, AND SHOP DRAWING NOTES

1. THE CONTRACTOR SHALL NOT PROVIDE WATER SERVICE TO THIS PROJECT(OTHER THAN FLUSHING/TESTING) UNTIL THE DEPARTMENT OF ENVIRONMENTAL PROTECTION HAS ISSUED A LETTER OF CLEARANCE OR THE UTILITY SHALL BE SUBJECT TO ENFORCEMENT ACTION.
2. A MINIMUM OF THREE SETS OF SHOP DRAWINGS MUST BE SUBMITTED, BY THE CONTRACTOR, TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
3. INSTALLATION OF MATERIALS AND/OR STRUCTURES PRIOR TO SHOP DRAWING APPROVAL IS DONE AT THE CONTRACTOR'S OWN RISK.
4. TWO SETS OF AS-BUILT DRAWINGS SHALL BE SUBMITTED TO THE VIRGIN ISLANDS BUILDING DEPARTMENT AND ENGINEER OF RECORD.

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| Ref | Description | Date |
|---|---|---|
| A | Schematic | 03/04/2022 |
| B | 30% CDs | 08/18/2022 |
| C | 60% CDs | - |
| D | 90% CDs | - |
| E | 100% CDs | - |

VITEMA SAFE ROOM & WIND RETROFIT
ST.CROIX, USVI

GENERAL NOTES SHEET

REVISIONS:

| No. | Description | Date |
|---|---|---|
| | | |

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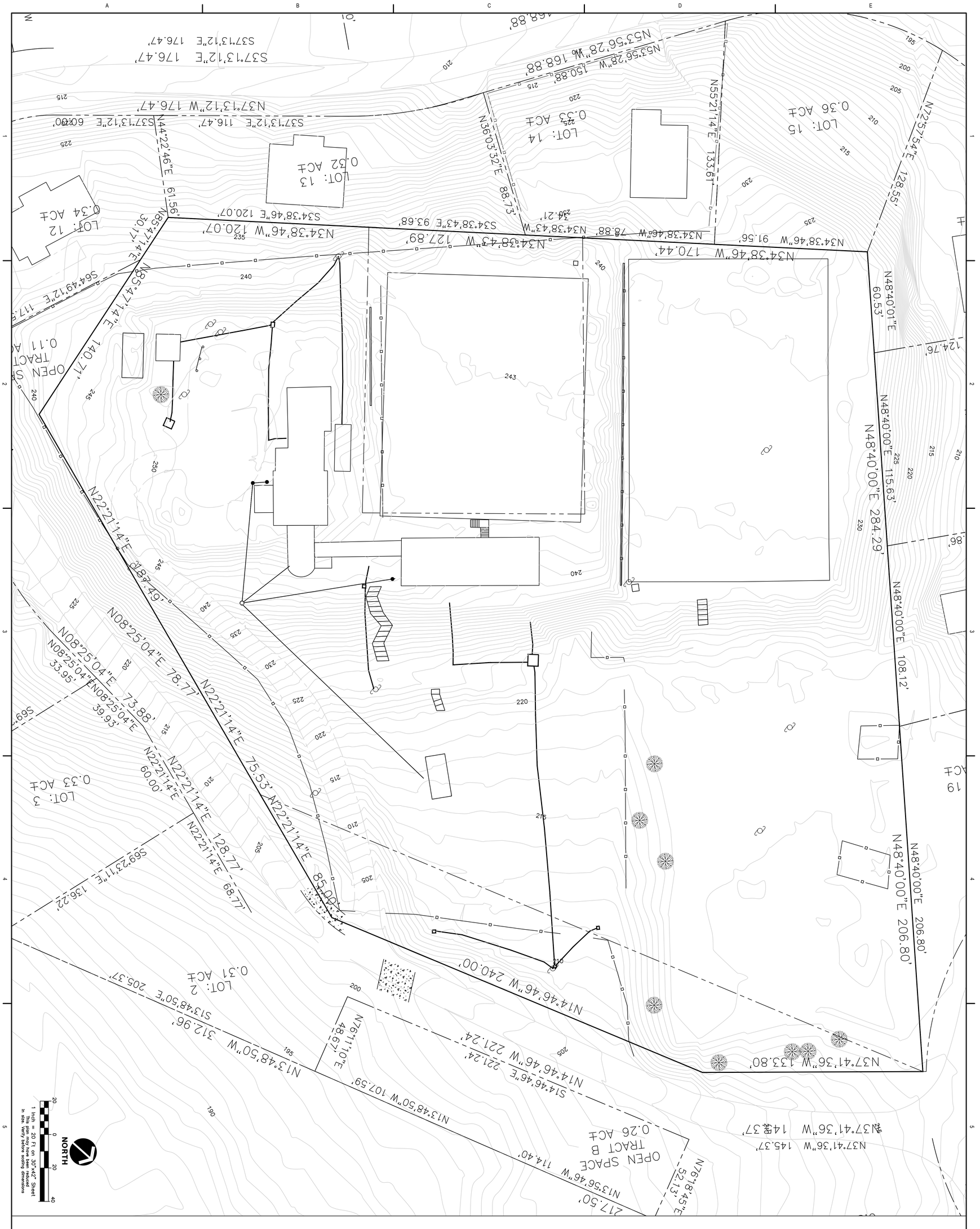
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VITEMA SAFE ROOM & WIND RETROFIT

ST.CROIX, USVI

EXISTING CONDITIONS PLAN

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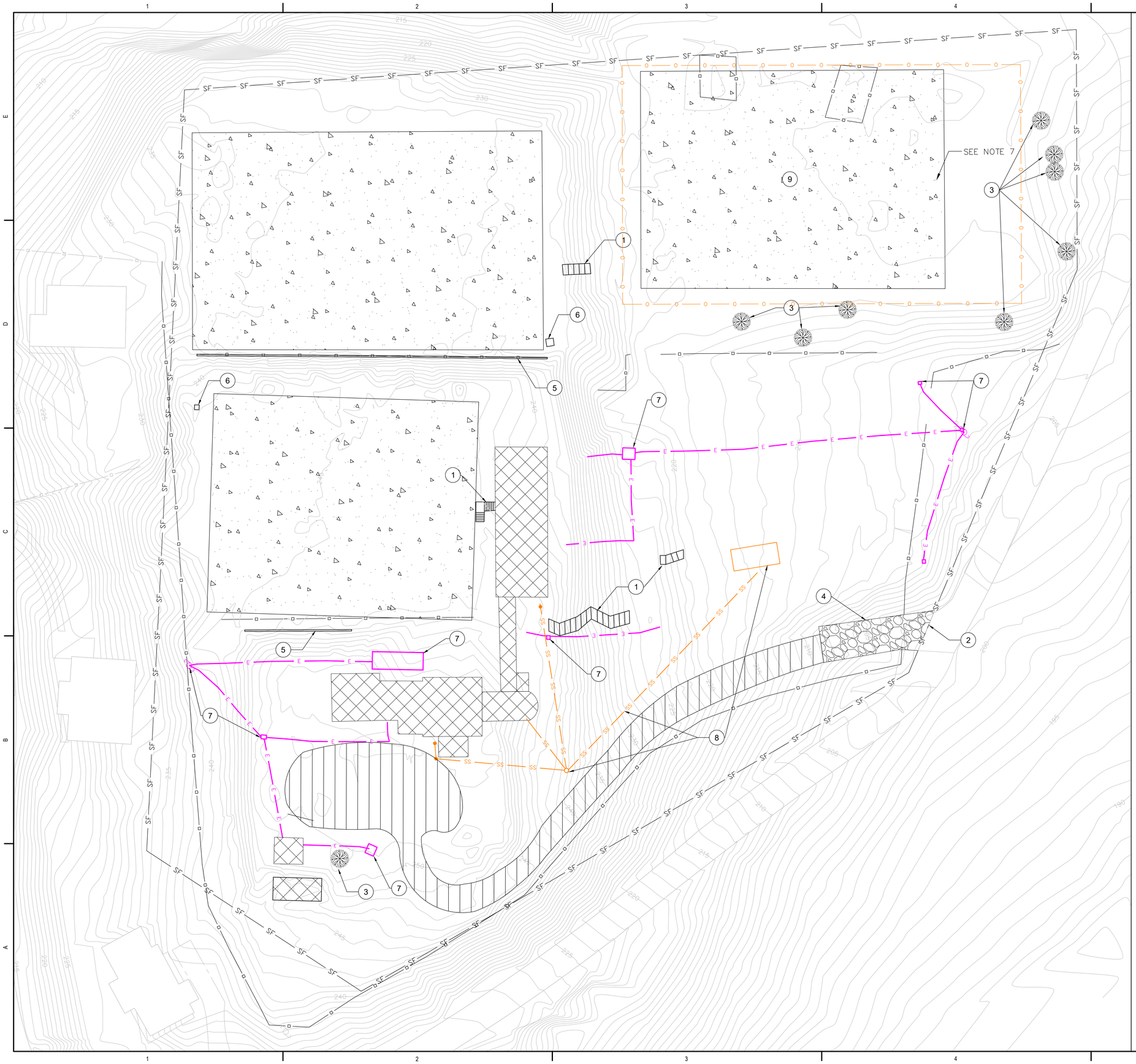
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| | |
|---|---|
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| DATE: | 08/18/2022 |
| HCE JOB NUMBER | 06162037 |
| SHEET NUMBER | C0.02 |

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## EROSION CONTROL + DEMOLITION LEGEND

- DEMOLISH MULTI-STORY BUILDING
- DEMOLISH TENNIS COURT (REFER TO NOTE 6 & 7)
- DEMOLISH ASPHALT PAVEMENT
- GRAVEL/CONSTRUCTION ENTRANCE
- SF — SILT FENCE
- DEMOLISH CHAIN LINK FENCE/GATE/GUARD RAIL
- E — ELECTRICAL UTILITY DEMOLITION (REFER TO ELECTRICAL PLANS)
- SS — DEMOLISH SANITARY SEWER SYSTEM + STRUCTURES
- O — CONSTRUCTION STAGING AREA

## EROSION CONROL + DEMOLITION KEY NOTES

1. DEMOLISH CONCRETE STAIRS
2. SAW CUT ASPHALT PAVEMENT
3. PROVIDE MAHOGANY TREE PROTECTION PER DETAIL 11 SHEET C4.00
4. GRAVEL CONSTRUCTION ENTRANCE
5. DEMOLISH RETAINING WALL. FIELD VERIFY HEIGHT
6. DEMOLISH CONCRETE BOX
7. DEMOLISH ELECTRICAL STRUCTURE
8. DEMOLISH SANITARY SEWER PIPING, CLEANOUTS, MANHOLES, AND SEPTIC SYSTEM
9. PROJECT MATERIAL STORAGE AND EQUIPMENT STAGING

## EROSION CONTROL + DEMOLITION NOTES

1. COORDINATE ELECTRICAL DEMOLITION + PROTECTION WITH ELECTRICAL ENGINEER.
2. PROTECT EXISTING TREES TO REMAIN (AS NECESSARY).
3. CONTRACTOR TO INSTALL EROSION CONTROL MEASURES PRIOR TO ANY DEMOLITION OR CONSTRUCTION.
4. COORDINATE DEMOLITION OR ALL UTILITIES WITH LOCAL PROVIDERS, NEC, LOCAL REGULATIONS AND CODES. CONTRACTOR TO INFORM WAPA+WMA PRIOR TO ANY DEMOLITION.
5. DEMOLITION INCLUDES PROPER LEGAL REMOVAL AND DISPOSAL OF LARGE BATTERY SYSTEM. DEMOLITION CONTRACTOR TO PRICE WORK SCOPE WITH THE FOLLOWING COMPANY AND INCLUDE THEIR SERVICES FOR REMOVING AND DISPOSING OF ALL BATTERIES IN THE BID PRICE:
   Virgin Islands Regulated Waste Management, Inc
   PO Box 222994, Christiansted, VI 00822
   Phone: 340-773-9121
6. CONTRACTOR TO PROPERLY DISPOSE OF ASBESTOS CONCRETE PAVEMENT IDENTIFIED WITHIN THE EXISTING TENNIS COURTS. REFER TO SPECIFICATION ON PROPER ASBESTOS ABATEMENT FOR DISPOSAL PROCEDURES.
7. CURRENT EXTENTS OF TENNIS COURT ON NORTHEAST SIDE ARE UNKNOWN AND ARE SHOWN HERE FOR DEMOLITION INTENT ONLY. FIELD VERIFY ACTUAL EXTENTS.

NORTH

20 0 20 40

1 Inch =20 Ft on 30"x42" Sheet
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OFFICE OF DISASTER RECOVERY — U.S. VIRGIN ISLANDS

VIRGIN ISLANDS TERRITORIAL EMERGENCY MANAGEMENT AGENCY

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VITEMA SAFE ROOM & WIND RETROFIT
ST.CROIX, USVI

EROSION CONTROL + DEMOLITION PLAN

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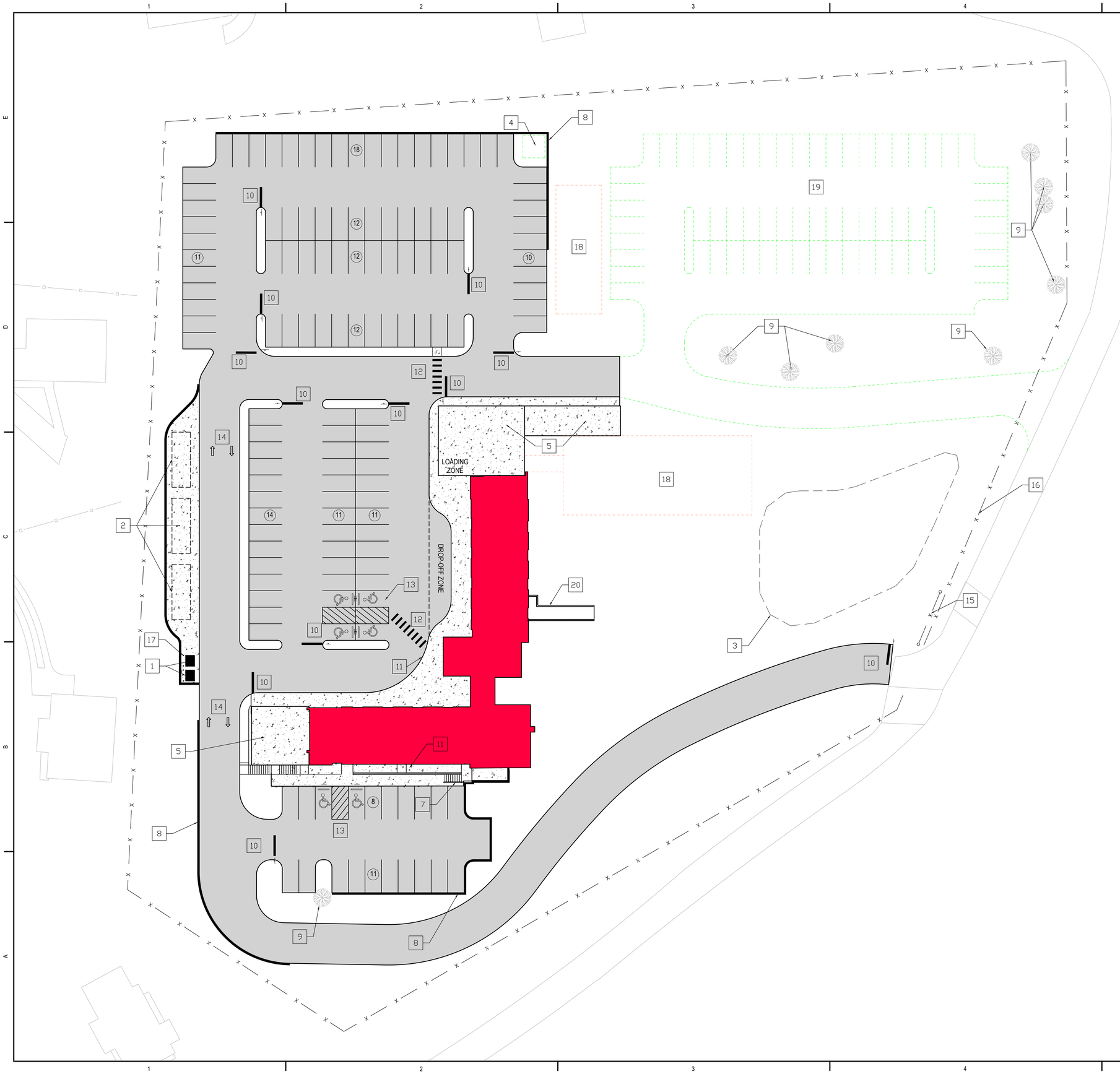
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## SITE LEGEND

- BUILDING FOOTPRINT
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- (9) PARKING STALL COUNT
- x CHAIN LINE FENCE

## SITE KEY NOTES

| KEY NUMBER | DESCRIPTION |
|---|---|
| 1 | DUMPSTER CONTAINERS |
| 2 | RV PARKING |
| 3 | POND AREA |
| 4 | FUTURE COMMUNICATIONS |
| 5 | MECHANICAL YARD |
| 6 | PACKAGE WASTEWATER TREATMENT PLANT |
| 7 | STAIRWELL |
| 8 | SITE RETAINING WALLS |
| 9 | PROTECT EXISTING TREES |
| 10 | 24" WIDE STOP BAR + STOP SIGN |
| 11 | SIDEWALK CURB RAMP |
| 12 | 12" WIDE WHITE CROSSWALK STRIPING |
| 13 | ADA PARKING STALL + SIGNAGE |
| 14 | WHITE DIRECTIONAL ARROW |
| 15 | ROLLING GATE |
| 16 | 8' CHAIN LINE FENCE W/BARBED WIRE |
| 17 | CONCRETE BOLLARD |
| 18 | FUTURE BUILDING |
| 19 | FUTURE PARKING AREA |
| 20 | SERVICE ENTRANCE |

## PARKING TABLE

REQUIRED: 125

REGULAR STALLS:
-1 PER 5 EMPLOYEES
ADA STALLS:
-6 PER 200 REGULAR

PROVIDED: xx

| | |
|---|---|
| REGULAR STALLS: | 135 (INCLUDES ADA) |
| ADA STALLS: | 6 |
| RV STALLS: | 3 |
| OVERFLOW: | 64 |
| TOTAL: | 202 |

| | |
|---|---|
| LOT COVERAGE: | 1.958 SF |
| OPEN SPACE: | 2.622 SF |

| | |
|---|---|
| LOT COVERAGE: | 43% |
| OPEN SPACE: | 57% |

NORTH

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VITEMA SAFE ROOM & WIND RETROFIT
ST.CROIX, USVI

SITE PLAN

REVISIONS:

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|---|---|---|

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CHECKED BY: DT
DATE: 08/18/2022

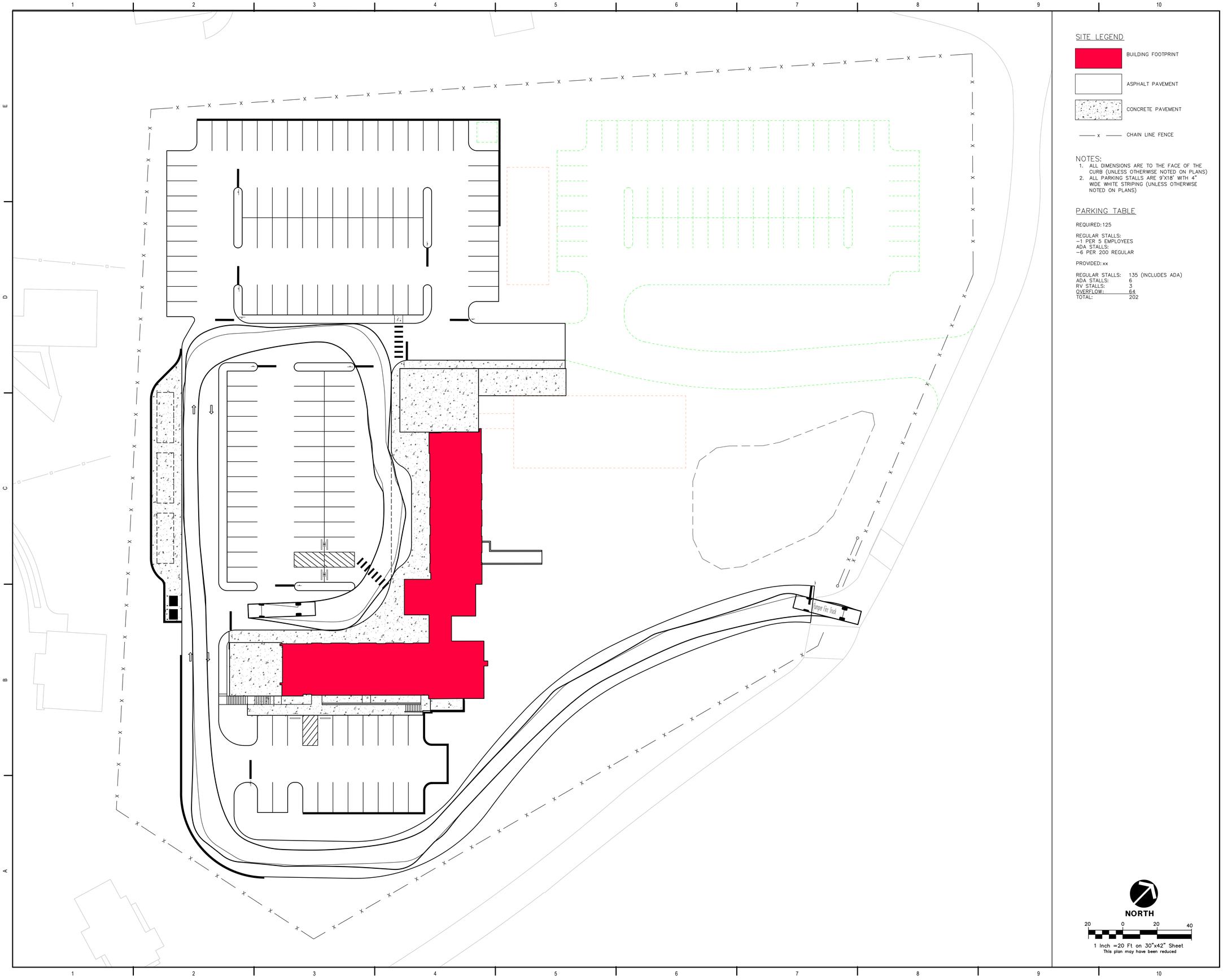
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## SITE LEGEND

- BUILDING FOOTPRINT
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- x — x — CHAIN LINE FENCE

## NOTES:

1. ALL DIMENSIONS ARE TO THE FACE OF THE CURB (UNLESS OTHERWISE NOTED ON PLANS)
2. ALL PARKING STALLS ARE 9'X18' WITH 4" WIDE WHITE STRIPING (UNLESS OTHERWISE NOTED ON PLANS)

## PARKING TABLE

REQUIRED: 125

REGULAR STALLS:
–1 PER 5 EMPLOYEES
ADA STALLS:
–6 PER 200 REGULAR

PROVIDED: xx

| | |
|---|---|
| REGULAR STALLS: | 135 (INCLUDES ADA) |
| ADA STALLS: | 6 |
| RV STALLS: | 3 |
| OVERFLOW: | 64 |
| TOTAL: | 202 |

NORTH

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1 Inch =20 Ft on 30"x42" Sheet
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HARRIS
Harris Civil Engineers, LLC
1200 Hillcrest Street
Suite 200
Orlando, Florida 32803

Phone: (407) 629-4777
Fax: (407) 629-7888
www.harriscivilengineers.com
EB 9814



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DRAWN BY: CT
REVIEW BY: NW
PROJECT MANAGER: DT

SUBMISSIONS:

| Ref | Description | Date |
|---|---|---|
| 1 | 30% SD Set | 2022-06-28 |
| 2 | 30% DD Set | 2022-08-08 |

REVISIONS:

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| | | |

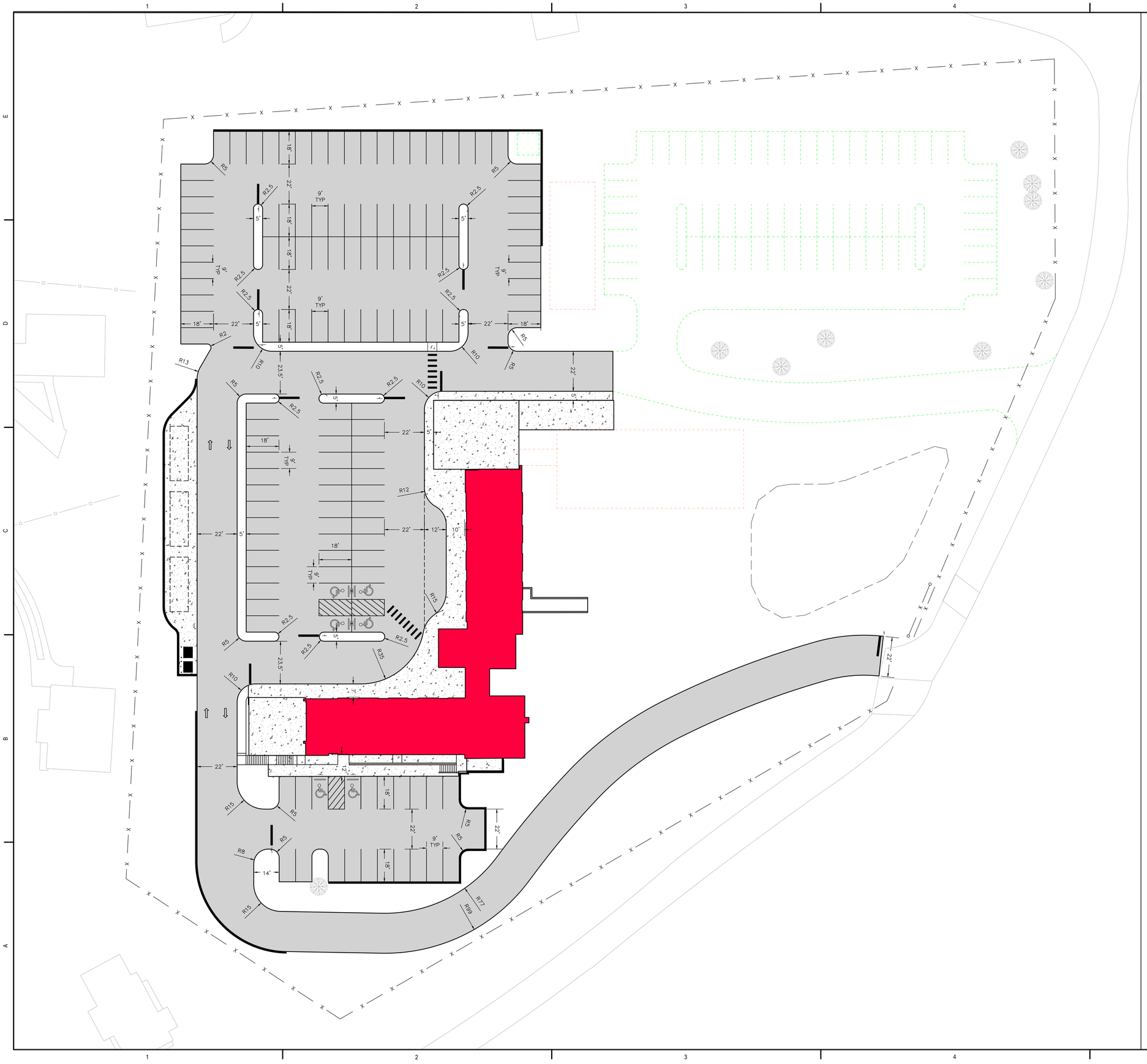
PROJECT :

VITEMA WIND
RETROFIT & SAFE ROOM

SHEET TITLE:

GEOMETRY PLAN

06162037 JOB NO.
C1.01 SHEET NO.




SITE LEGEND

- BUILDING FOOTPRINT
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- x — x — CHAIN LINE FENCE

NOTES:

1. ALL DIMENSIONS ARE TO THE FACE OF THE CURB (UNLESS OTHERWISE NOTED ON PLANS)
2. ALL PARKING STALLS ARE 9'X18' WITH 4" WIDE WHITE STRIPING (UNLESS OTHERWISE NOTED ON PLANS)

PARKING TABLE

REQUIRED: 125

REGULAR STALLS:
–1 PER 5 EMPLOYEES
ADA STALLS:
–6 PER 200 REGULAR

PROVIDED: xx

| | |
|---|---|
| REGULAR STALLS: | 135 (INCLUDES ADA) |
| ADA STALLS: | 6 |
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| OVERFLOW: | 64 |
| TOTAL: | 202 |

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VITEMA SAFE ROOM & WIND RETROFIT
ST.CROIX, USVI

GEOMETRY PLAN

REVISIONS:

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|---|---|---|

| | |
|---|---|
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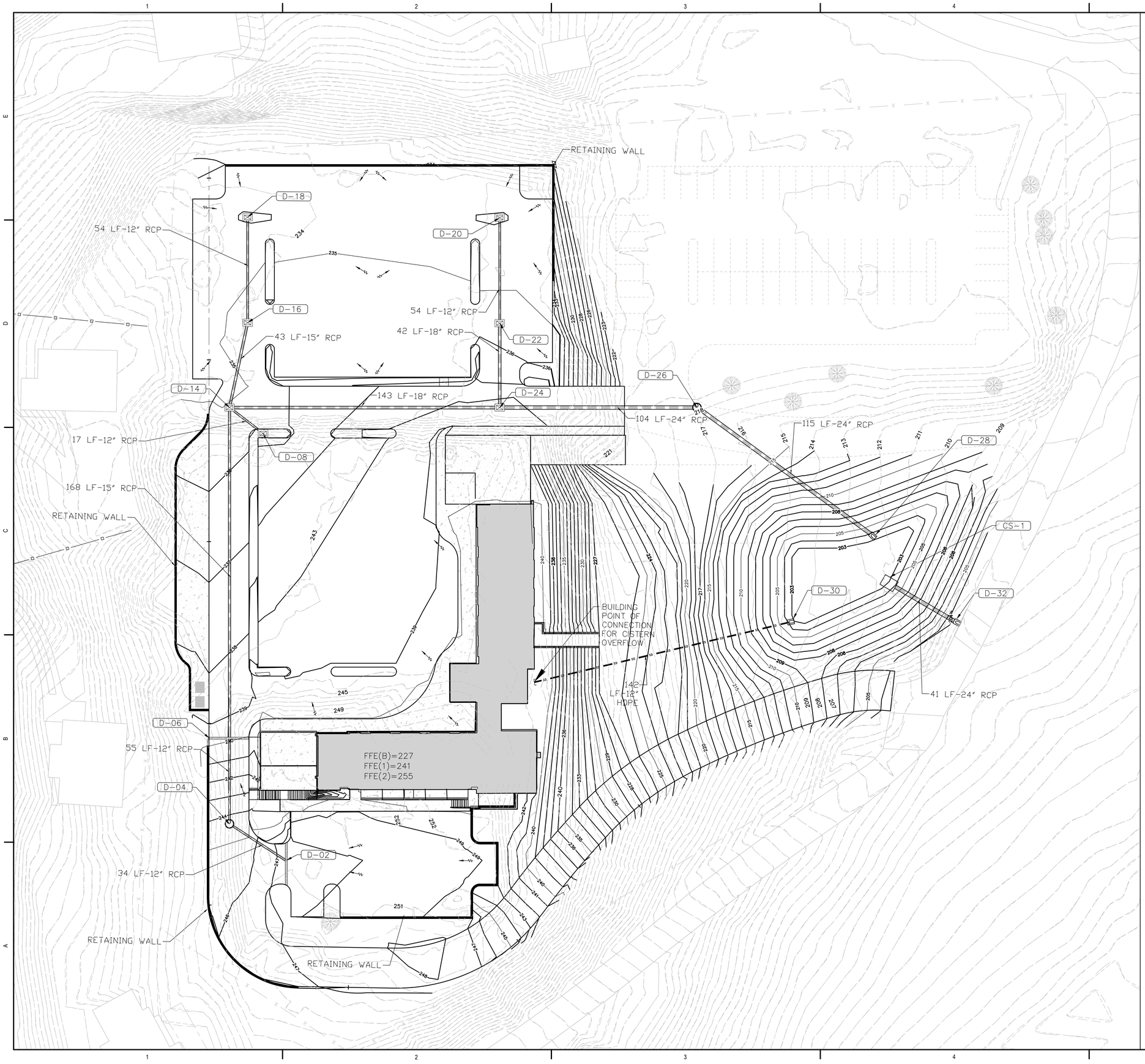
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## GRADING + DRAINAGE LEGEND

- SD — STORM PIPE (PLASTIC)
- STORM PIPE (CONCRETE)
- TYPE 'D' INLET
- MANHOLE
- TRENCH DRAIN
- 89.95 — FINISHED GRADE ELEVATION
- MITERED END SECTION
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- STORMWATER FLOW

## GRADING AND DRAINAGE NOTES:

1. ALL STORMWATER STRUCTURES SHALL HAVE MINIMUM H20 LOAD RATED GRATES IN ALL VEHICULAR AREAS

## DRAINAGE STRUCTURE TABLE:

**D-02**
TRENCH DRAIN
GRATE=247.37
IE=240.70
N622285.14
E1254432.20

**D-04**
MANHOLE
RIM=244.31
IE=236.50
N622282.25
E1254395.13

**D-06**
TRENCH DRAIN
GRATE=239.80
IE=232.50
N622313.14
E1254357.87

**D-08**
TYPE 'D' INLET
GRATE=236.44
IE=231.10
N622464.69
E1254280.16

**D-14**
TYPE 'D' INLET
GRATE=229.30
IE=230.50
IE=230.93
N622464.85
E1254256.87

**D-16**
TYPE 'D' INLET
GRATE=235.19
IE=229.50
N622508.10
E1254236.63

**D-18**
TYPE 'D' INLET
GRATE=233.86
IE=229.86
N622554.34
E1254201.62

**D-20**
TYPE 'D' INLET
GRATE=233.85
IE=229.85
N622637.87
E1254312.39

**D-22**
TYPE 'D' INLET
GRATE=235.52
IE=229.50
N622591.63
E1254347.40

**D-24**
TYPE 'D' INLET
GRATE=238.32
IE=217
IE=229.10
N622554.62
E1254375.42

**D-26**
MANHOLE
RIM=221.16
IE=205.31
N622620.17
E1254461.99

**D-28**
MES
IE=204
N622623.79
E1254582.62

**D-30**
MES
IE=202
N622559.60
E1254574.39

**CS-1**
POND CONTROL STRUCTURE
GRATE=SEE SHEET C4.0X
IE=SEE SHEET C4.0X
N622609.94
E1254602.88

**D-32**
MES
IE=TBD
N622613.72
E1254646.16

NORTH

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VITEMA SAFE ROOM & WIND RETROFIT
ST.CROIX, USVI

GRADING + DRAINAGE PLAN

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CONTINUED ON SHEET C3.01

995 LF ~ 4" SANITARY SEWER FORCEMAIN

7 LF ~ 6" SDR26 PVC

23 LF ~ 8" SDR26 PVC

61 LF ~ 8" SDR26 PVC

23 LF ~ 8" SDR26 PVC

5 LF ~ 6" SDR26 PVC

262 LF ~ 2" POTABLE WATER PIPE

70 LF ~ 2" POTABLE WATER PIPE

LS-02

SS-02

SS-04

SS-06

## UTILITY LEGEND

- PROPERTY LINE
- PW — POTABLE WATER
- FW — FIRE WATER
- RW — REUSE WATER
- SS — SANITARY SEWER GRAVITY
- FM — SANITARY SEWER FORCEMAIN
- WAPA — WAPA POTABLE WATER
- E — ELECTRICAL CONDUIT
- T — TELECOMMUNICATIONS CONDUIT
- FUTURE TOWER CONDUIT
- SANITARY SEWER MANHOLE
- A — FORCE MAIN AIR RELIEF VALVE

## UTILITY KEY DATA

1. 10" X 2" DOUBLE STRAP TAPPING SADDLE AND 2" CORPORATION STOP (FIELD VERIFY EXISTING WAPA PIPE SIZE AND MATERIAL PRIOR TO PROCUREMENT)
2. 2" POTABLE WATER MASTER METER
3. 2" POTABLE WATER BACKFLOW PREVENTER
4. POTABLE WATER BUILDING POINT OF CONNECTION (REFER TO PLUMBING PLANS)
5. POTABLE WATER CISTERN + PUMP STATION (REFER TO PLUMBING PLANS) LOCATED INSIDE BASEMENT LEVEL
6. HOSE BIBB
7. SANITARY SEWER BUILDING POINT OF CONNECTION (REFER TO PLUMBING PLANS)
8. SANITARY SEWER LIFT STATION + VALVE VAULT (REFER TO SHEET C-405)
9. RESERVED
10. RESERVED
11. USE CAUTION AROUND EXISTING UTILITY PROVIDE PROTECTION AS NECESSARY
12. ROADWAY OPEN CUT
13. RESERVED
14. TRANSFORMER (BY WAPA) (COORDINATE WITH ELECTRICAL ENGINEER)
15. UNDERGROUND POWER CONDUITS (BY WAPA) (COORDINATE WITH ELECTRICAL ENGINEER)
16. WAPA PROVIDED SITE POINT OF CONNECTION TO POWER (COORDINATE WITH ELECTRICAL ENGINEER)
17. TELECOMMUNICATIONS POINT OF CONNECTION TO BUILDING I.T. CLOSET (COORDINATE WITH TELECOMMUNICATIONS PLANS)
18. 4-4" TELECOMMUNICATIONS CONDUITS FROM HANDHOLE TO MAIN I.T. CLOSET (COORDINATE WITH TELECOMMUNICATIONS PLANS)
19. SITE POINT OF CONNECTION TO WAPA PROVIDED TELECOMMUNICATIONS HANDHOLE (COORDINATE WITH TELECOMMUNICATIONS PLANS)
20. BUILDING POINT OF CONNECTION FOR FUTURE (CONDUIT, SIZE, QUANTITY, AND MATERIAL BY OTHERS).
21. FUTURE POINT OF CONNECTION (CONDUIT, SIZE QUANTITY, AND MATERIAL BY ELECTRICAL ENGINEER).
22. LIFT STATION CONTROL PANEL (REFER TO MANUFACTURER AND ELECTRICAL ENGINEERING PLANS)

## SANITARY SEWER STRUCTURES

**SS-02**
SANITARY MANHOLE
RIM=240.00'
IE=224.15' (W)
IE=217.00' (NE)
N622506.98
E1254449.45

**SS-04**
SANITARY MANHOLE
RIM=240.00'
IE=224.15' (SW)
IE=217.80' (NE)
N622455.61
E1254488.40

**SS-06**
SANITARY MANHOLE
RIM=226.50'
IE=217.55' (SW)
IE=217.50' (NW)
N622472.72
E1254510.85

**LS-02**
LIFT STATION
RIM=220.00'
IE=216.30' (SW)(SE)
N622523.80
E1254471.53

NORTH

20 0 20 40

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VITEMA SAFE ROOM & WIND RETROFIT
ST.CROIX, USVI

UTILITY PLAN

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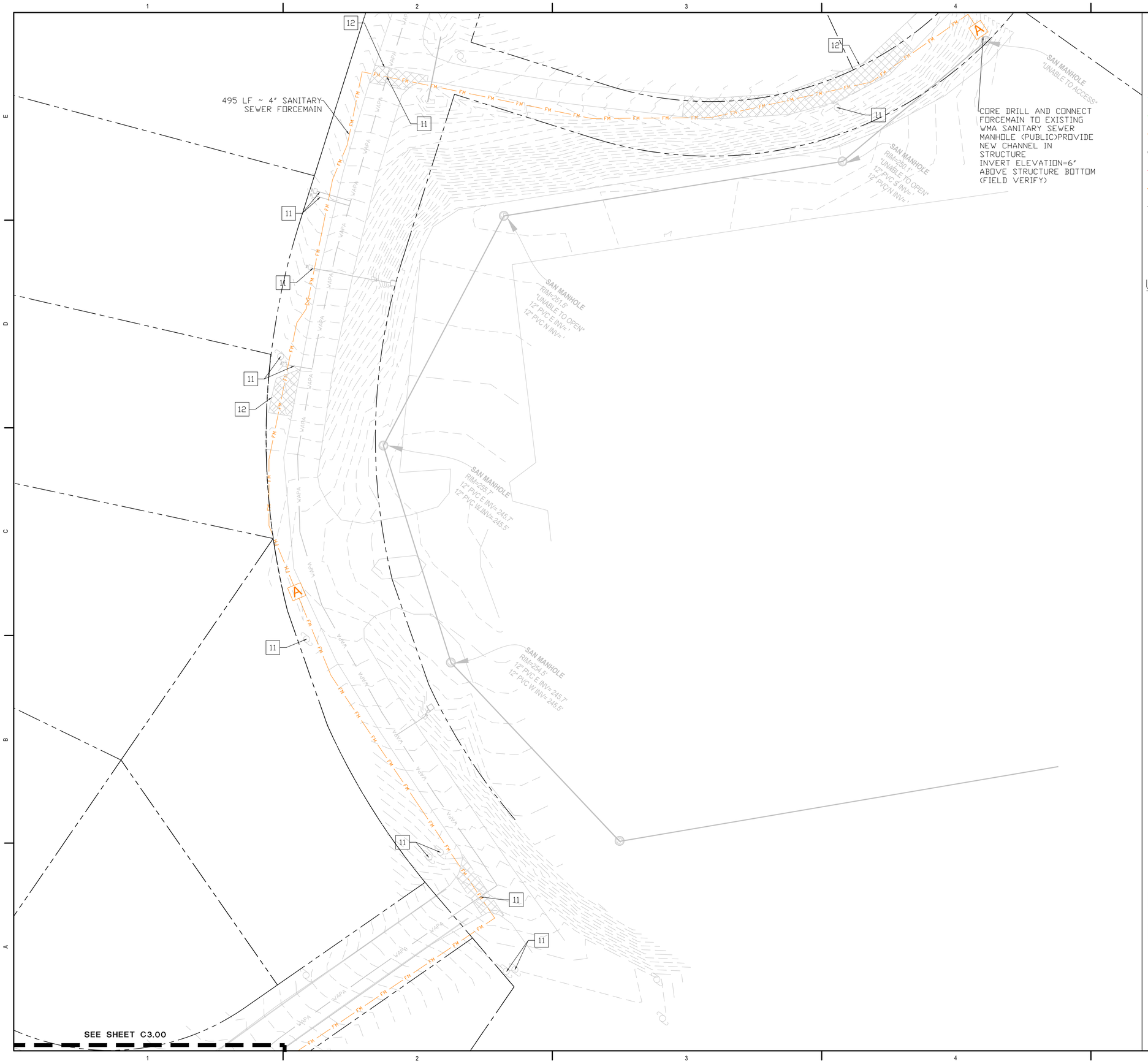
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## UTILITY LEGEND

- PROPERTY LINE
- PW — POTABLE WATER
- FW — FIRE WATER
- RW — REUSE WATER
- SS — SANITARY SEWER GRAVITY
- FM — SANITARY SEWER FORCEMAIN
- WAPA — WAPA POTABLE WATER
- E — ELECTRICAL CONDUIT
- T — TELECOMMUNICATIONS CONDUIT
- FUTURE TOWER CONDUIT
- SANITARY SEWER MANHOLE
- A — FORCE MAIN AIR RELIEF VALVE

## UTILITY KEY DATA

1. 10" X 2" DOUBLE STRAP TAPPING SADDLE AND 2" CORPORATION STOP (FIELD VERIFY EXISTING WAPA PIPE SIZE AND MATERIAL PRIOR TO PROCUREMENT)
2. 2" POTABLE WATER MASTER METER
3. 2" POTABLE WATER BACKFLOW PREVENTER
4. POTABLE WATER BUILDING POINT OF CONNECTION (REFER TO PLUMBING PLANS)
5. POTABLE WATER CISTERN + PUMP STATION (REFER TO PLUMBING PLANS) LOCATED INSIDE BASEMENT LEVEL
6. HOSE BIBB
7. SANITARY SEWER BUILDING POINT OF CONNECTION (REFER TO PLUMBING PLANS)
8. SANITARY SEWER LIFT STATION + VALVE VAULT (REFER TO SHEET C-405)
9. FIRE WATER BUILDING POINT OF CONNECTION (REFER TO PLUMBING PLANS)
10. FIRE DEPARTMENT CONNECTION
11. USE CAUTION AROUND EXISTING UTILITY PROVIDE PROTECTION AS NECESSARY
12. ROADWAY OPEN CUT
13. RESERVED
14. TRANSFORMER (BY WAPA) (COORDINATE WITH ELECTRICAL ENGINEER)
15. UNDERGROUND POWER CONDUITS (BY WAPA) (COORDINATE WITH ELECTRICAL ENGINEER)
16. WAPA PROVIDED SITE POINT OF CONNECTION TO POWER (COORDINATE WITH ELECTRICAL ENGINEER)
17. TELECOMMUNICATIONS POINT OF CONNECTION TO BUILDING I.T. CLOSET (COORDINATE WITH TELECOMMUNICATIONS PLANS)
18. 4-4" TELECOMMUNICATIONS CONDUITS FROM HANDHOLE TO MAIN I.T. CLOSET (COORDINATE WITH TELECOMMUNICATIONS PLANS)
19. SITE POINT OF CONNECTION TO WAPA PROVIDED TELECOMMUNICATIONS HANDHOLE (COORDINATE WITH TELECOMMUNICATIONS PLANS)
20. BUILDING POINT OF CONNECTION FOR FUTURE (CONDUIT, SIZE, QUANTITY, AND MATERIAL BY OTHERS).
21. FUTURE POINT OF CONNECTION (CONDUIT, SIZE QUANTITY, AND MATERIAL BY ELECTRICAL ENGINEER).
22. LIFT STATION CONTROL PANEL (REFER TO MANUFACTURER AND ELECTRICAL ENGINEERING PLANS)

NORTH

20 0 20 40

1 Inch = 20 Ft on 30"x42" Sheet
This plan may have been reduced in size. Verify before scaling dimensions

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| A | Schematic | 03/04/2022 |
| B | 30% CDs | 08/18/2022 |
| C | 60% CDs | - |
| D | 90% CDs | - |
| E | 100% CDs | - |

VITEMA SAFE ROOM & WIND RETROFIT
ST.CROIX, USVI

OFF-SITE UTILITY PLAN

REVISIONS:

| No. | Description | Date |
|---|---|---|
| | | |

DRAWN BY: NW
CHECKED BY: DT
DATE: 08/18/2022

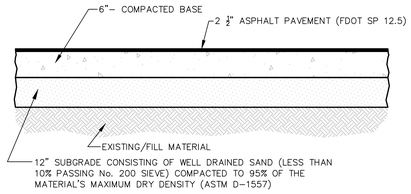
HCE JOB NUMBER
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SHEET NUMBER
C3.01

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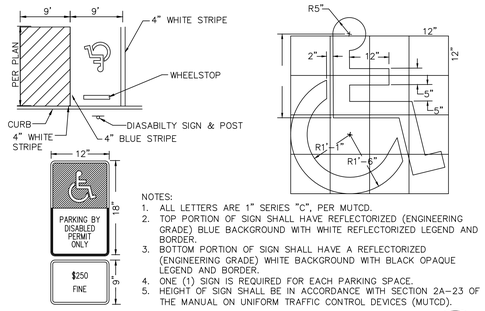
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## ASPHALT PAVEMENT DETAIL

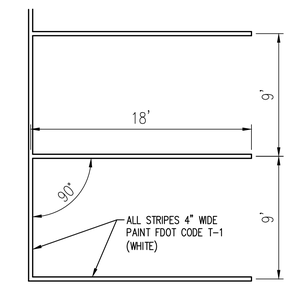
N.T.S. — 1 / C4.00




NOTES:
1. ALL LETTERS ARE 1" SERIES "C", PER MUTCD.
2. TOP PORTION OF SIGN SHALL HAVE REFLECTORIZED (ENGINEERING GRADE) BLUE BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER.
3. BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
4. ONE (1) SIGN IS REQUIRED FOR EACH PARKING SPACE.
5. HEIGHT OF SIGN SHALL BE IN ACCORDANCE WITH SECTION 2A–23 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

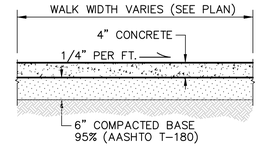
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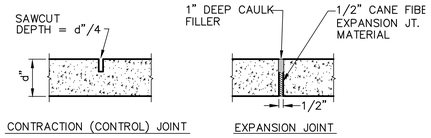
N.T.S. — 4 / C4.00




## PARKING STALL STRIPING DETAIL

N.T.S. — 7 / C4.00

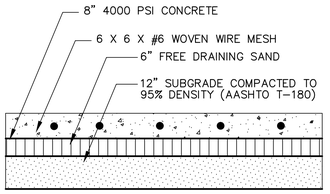


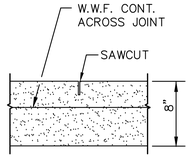

NOTE:
ALL CONCRETE SIDEWALKS SHALL HAVE A FULL 1/2" EXPANSION JOINT AT A MAXIMUM DISTANCE OF 25 LINEAR FEET AND A SAW CUT OR FORMED DUMMY JOINT AT EVENLY SPACED INTERVALS NOT TO EXCEED 5 LINEAR FEET.

## SIDEWALK DETAIL

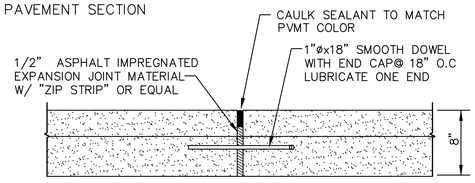
N.T.S. — 8 / C4.00



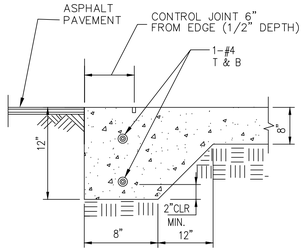

PAVEMENT SECTION




CONTRACTION JOINT SECTION




EXPANSION JOINT SECTION

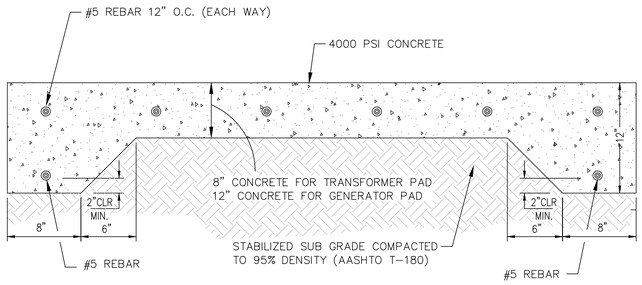



TYPICAL PAVEMENT – THICKENED EDGE

NOTES:
1. SAW CONTRACTION JOINTS TO 25% OF PAVEMENT DEPTH AT 12' ON CENTER. PROVIDE EXPANSION JOINTS WHERE CONCRETE PAVING ABUTS WALL, CURB AND OTHER CONCRETE PAVING AS INDICATED.
2. PLACE DOWELS THROUGH EXPANSION JOINTS
3. WIRE FABRIC SHALL BE SUPPLIED IN SHEETS, NOT ROLLS

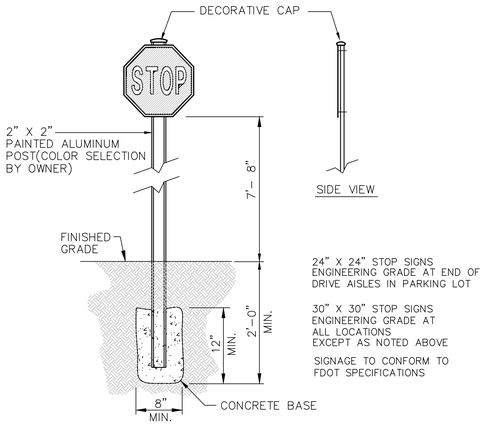
## TYPICAL CONCRETE PAVEMENT DETAIL

N.T.S. — 2 / C4.00




## CONCRETE UTILITY PAD DETAIL

N.T.S. — 3 / 4.00



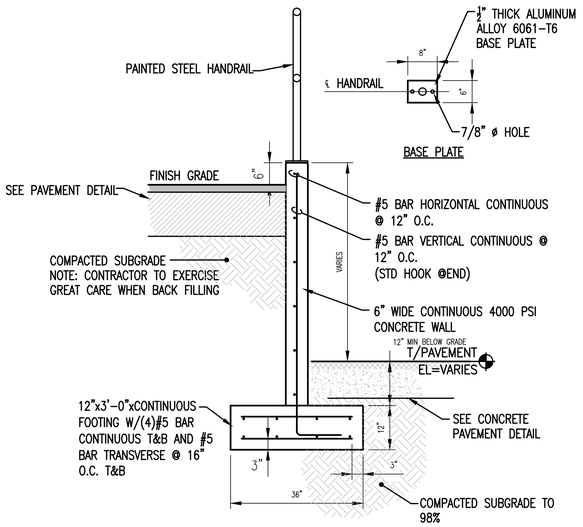

24" X 24" STOP SIGNS ENGINEERING GRADE AT END OF DRIVE AISLES IN PARKING LOT

30" X 30" STOP SIGNS ENGINEERING GRADE AT ALL LOCATIONS EXCEPT AS NOTED ABOVE

SIGNAGE TO CONFORM TO FDOT SPECIFICATIONS

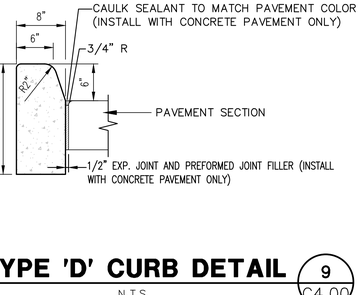
## TYPICAL STOP SIGN DETAIL

N.T.S. — 5 / C4.00



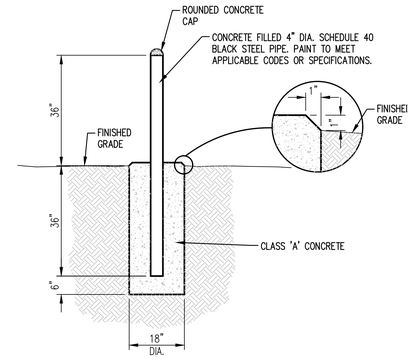

## RETAINING WALL DETAIL

N.T.S. — 6 / C4.00



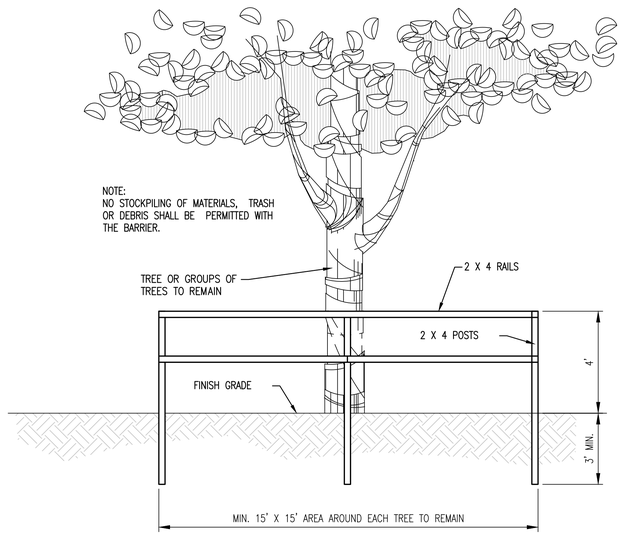

## TYPE 'D' CURB DETAIL

N.T.S. — 9 / C4.00




## STEEL PIPE BOLLARD DETAIL

N.T.S. — 10 / C4.00




## TREE PROTECTION DETAIL

N.T.S. — 11 / C4.00

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|---|---|---|

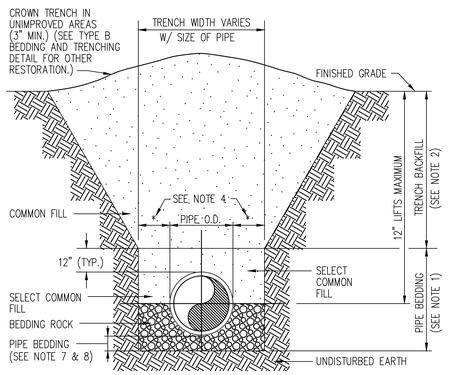
DRAWN BY: NW
CHECKED BY: DT
DATE: 08/18/2022

HCE JOB NUMBER
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SHEET NUMBER
C4.00

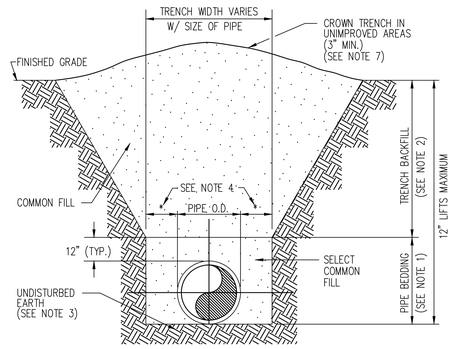
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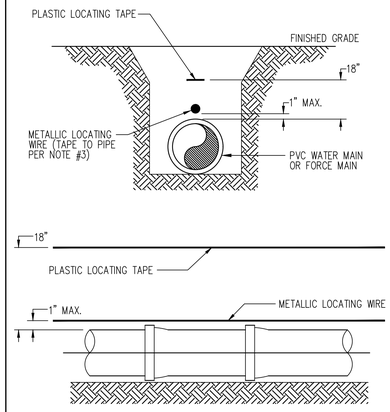

NOTES:
1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
3. USE TYPE A BEDDING TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE OWNER'S REP.
4. (*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. GRAVITY SEWERS SHALL UTILIZE TYPE A BEDDING, IF REQUIRED BY THE ENGINEER. BEDDING DEPTH SHALL BE 4" MINIMUM FOR PIPE DIAMETER LESS THAN 15", AND 6" MINIMUM FOR PIPE DIAMETER 16" AND LARGER.
8. DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL GOVERN DEPTH OF BEDDING ROCK BELOW THE PIPE.

## TYPE 'A' BEDDING & TRENCHING DETAIL
N.T.S. — 1 / C4.01



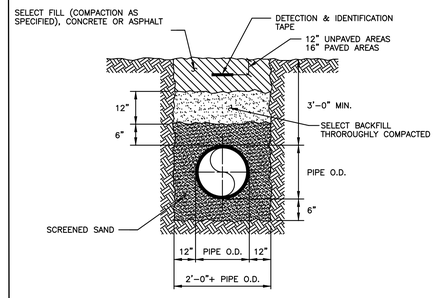

NOTES:
1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
3. PIPE BEDDING UTILIZING SELECT COMMON FILL OR BEDDING ROCK IN ACCORDANCE WITH TYPE A BEDDING AND TRENCHING DETAIL MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.
4. (*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES.

## TYPE 'B' BEDDING & TRENCHING DETAIL
N.T.S. — 2 / C4.01

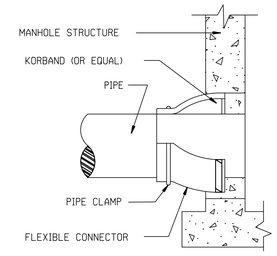



NOTES:
1. INSULATED METALLIC LOCATING WIRE (10 GAUGE COPPER) CAPABLE OF DETECTION BY A CABLE LOCATOR SHALL BE BURIED DIRECTLY ABOVE THE CENTERLINE OF THE PIPE.
2. LOCATING WIRE SHALL TERMINATE AT THE TOP OF EACH VALVE BOX AND BE CAPABLE OF EXTENDING 12" ABOVE TOP OF BOX IN SUCH A MANNER SO AS NOT TO INTERFERE WITH VALVE OPERATION.
3. USE DUCT TAPE AS NECESSARY TO HOLD WIRE DIRECTLY ON THE TOP OF THE PIPE.
4. REFER TO SPECIFICATIONS FOR A DESCRIPTION OF LOCATING TAPE MATERIAL.

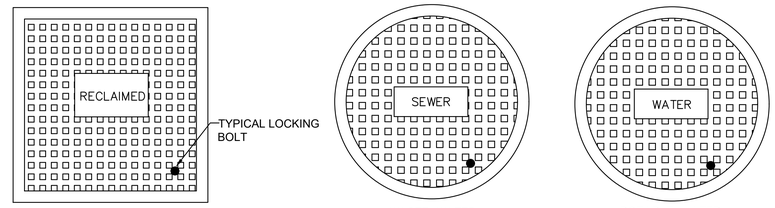
## PVC PIPE LOCATING WIRE & TAPE DETAIL
N.T.S. — 3 / C4.01




## TRENCH DETAILS FOR PVC
N.T.S. — 4 / C4.01

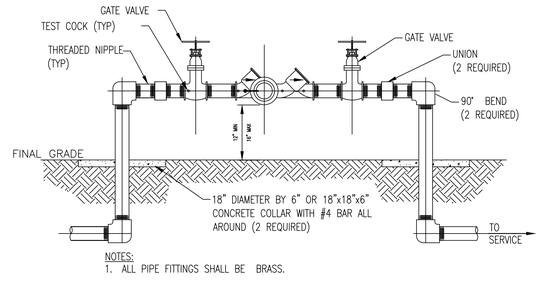



## TYPICAL MANHOLE CONNECTION
N.T.S. — 5 / C4.0



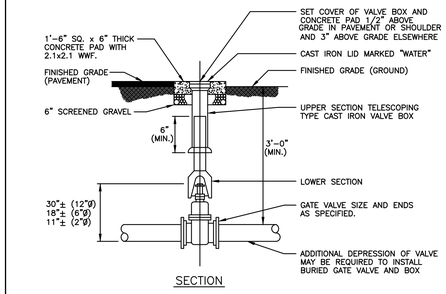

NOTE:
1. LOCKING LIDS ARE REQUIRED ON ALL VALVE BOXES.

## TYPICAL VALVE BOX COVER DETAIL
N.T.S. — 6 / C4.01



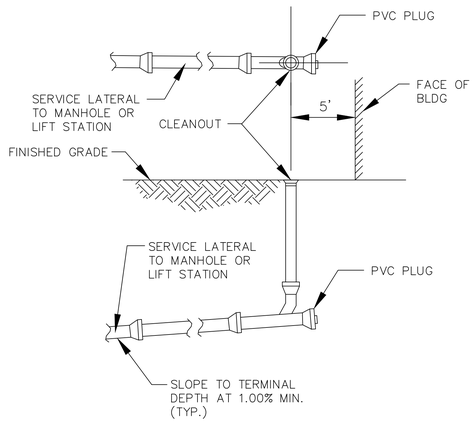

NOTES:
1. ALL PIPE FITTINGS SHALL BE BRASS.

## REDUCED PRESSURE BACKFLOW PREVENTER
N.T.S. — 7 / C4.01

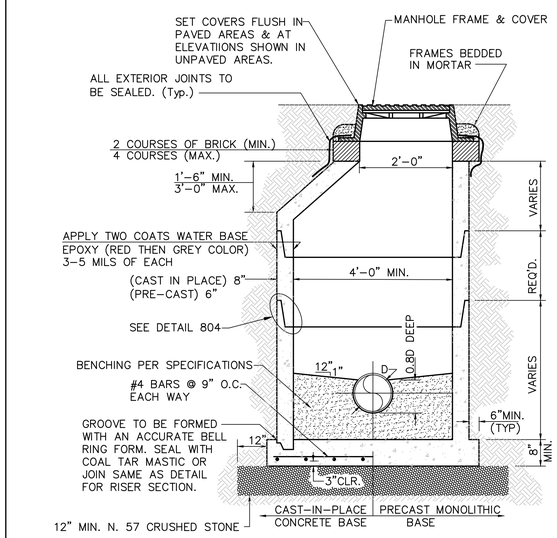



SECTION

## GATE VALVE & BOX DETAIL
N.T.S. — 8 / C4.01

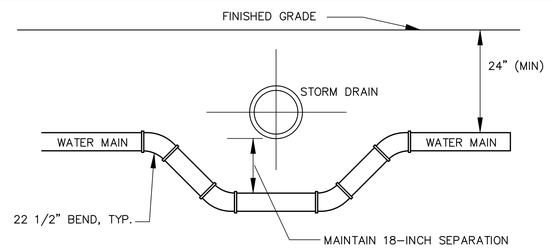



## SANITARY SEWER BUILDING SERVICE CONNECTION DETAIL
N.T.S. — 11 / C4.01

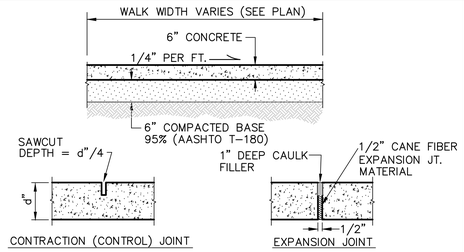



NOTES:
1. DROP CONNECTIONS ARE REQUIRED WHENEVER INVERT OF INFLUENT SEWER IS 24" OR MORE ABOVE THE INVERT OF THE MANHOLE. SEE MANHOLE CONNECTION DETAILS.
2. APPROVED CONCENTRIC CONE DESIGN MAY BE USED AS AN ALTERNATIVE.
3. SEE MANHOLE CHANNELIZATION DETAIL FOR ADDITIONAL BENCHING DATA.
4. REINFORCING STEEL PER ASTM C-478-88a.
5. PRECAST CONCRETE PER ASTM C478.

## CONCRETE SANITARY SEWER MANHOLE
N.T.S. — 12 / C4.01




## TYPICAL STORM DRAIN UNDERCROSSING DETAIL
N.T.S. — 9 / C4.01




NOTE: ALL CONCRETE SIDEWALKS SHALL HAVE A FULL 1/2" EXPANSION JOINT AT A MAXIMUM DISTANCE OF 25 LINEAR FEET AND A SAW CUT OR FORMED DUMMY JOINT AT EVENLY SPACED INTERVALS NOT TO EXCEED 5 LINEAR FEET.

## SIDEWALK DETAIL
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| D | 90% CDs | - |
| E | 100% CDs | - |

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ST.CROIX, USVI

DETAILS SHEET

REVISIONS:

| No. | Description | Date |
|---|---|---|

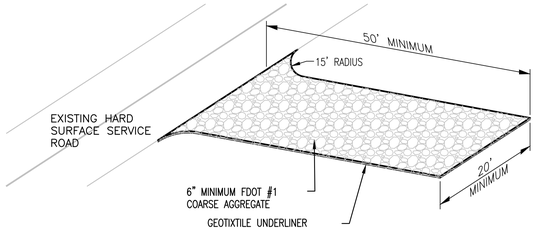
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30% CONSTRUCTION DOCUMENTS

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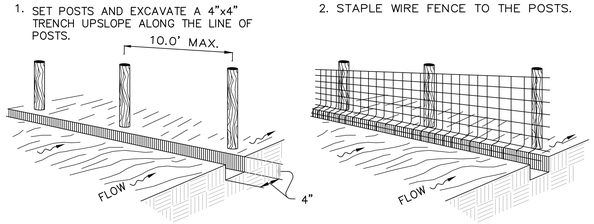



GENERAL NOTES:

1. A SOIL TRACKING PREVENTION DEVICE (STPD) SHALL BE CONSTRUCTED AT LOCATIONS DESIGNATED BY THE ENGINEER FOR POINTS OF EGRESS FROM UNSTABILIZED AREAS OF THE PROJECT TO ROADS WHERE OFFSITE TRACKING OF MUD COULD OCCUR. TRAFFIC FROM UNSTABILIZED AREAS OF THE CONSTRUCTION PROJECT SHALL BE DIRECTED THRU A CSCE. BARRIERS. FLAGGING, OR OTHER POSITIVE MEANS SHALL BE USED AS REQUIRED TO LIMIT AND DIRECT VEHICULAR EGRESS ACROSS THE CSCE.
2. THE CONTRACTOR MAY PROPOSE AN ALTERNATIVE TECHNIQUE TO MINIMIZE OFFSITE TRACKING OF SEDIMENT. THE ALTERNATIVE MUST BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO USE.
3. ALL MATERIALS SPILLED, DROPPED, OR TRACKED ONTO ROADS (INCLUDING THE CSCE AGGREGATE AND CONSTRUCTION MUD) SHALL BE REMOVED DAILY, OR MORE FREQUENTLY IF SO DIRECTED BY THE ENGINEER.
4. AGGREGATES SHALL BE AS DESCRIBED IN FDOT SECTION 901 EXCLUDING 901-2.3. AGGREGATES SHALL BE FDOT SIZE #1. IF THIS SIZE IS NOT AVAILABLE, THE NEXT AVAILABLE SMALLER SIZE AGGREGATE MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER. SIZES CONTAINING EXCESSIVE SMALL AGGREGATE WILL TRACK OFF THE PROJECT AND ARE UNSUITABLE.
5. THE CSCE SHALL BE MAINTAINED IN A CONDITION THAT WILL ALLOW IT TO PERFORM ITS FUNCTION. TO PREVENT OFFSITE TRACKING, THE CSCE SHALL BE RINSED (DAILY WHEN IN USE) TO MOVE ACCUMULATED MUD DOWNWARD THRU THE STONE. ADDITIONAL STABILIZATION OF THE VEHICULAR ROUTE LEADING TO THE STPD MAY BE REQUIRED TO LIMIT THE MUD TRACKED.
6. A CSCE SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR CRUSH STONE CONSTRUCTION ENTRANCE, EA. THE UNIT PRICE SHALL CONSTITUTE FULL COMPENSATION FOR CONSTRUCTION, MAINTENANCE, REPLACEMENT OF MATERIALS, REMOVAL, AND RESTORATION OF THE AREA UTILIZED FOR THE CSCE: INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING, TEMPORARY PIPE (INCLUDING MES WHEN REQUIRED), FILTER FABRIC, AGGREGATE, PAVED TURNOUT (INCLUDING MES WHEN REQUIRED), FILTER DITCH STABILIZATION, APPROACH REROUTE STABILIZATION, SEDIMENT REMOVAL AND DISPOSAL, GRASSING AND SOD.
7. THE NOMINAL SIZE OF A STANDARD CSCE INS 20' x 50' UNLESS OTHERWISE SHOWN IN THE PLANS. IF THE VOLUME OF ENTERING AND EXITING VEHICLES WARRANT, A 30' WIDTH CSCE MAY BE USED IF APPROVED BY THE ENGINEER. WHEN A DOUBLE WIDTH (30') CSCE IS USED, THE PAY QUANTITY SHALL BE 1.5 FOR EACH LOCATION.

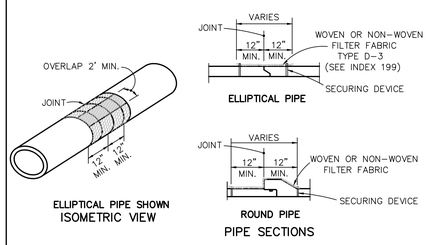
## CRUSHED STONE CONSTRUCTION ENTRANCE DETAIL

N.T.S. — 1 / C4.02




## SILT FENCE DETAIL

N.T.S. — 2 / C4.02

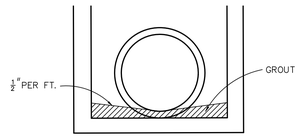



COST OF FILTER FABRIC JACKET TO BE INCLUDED IN COST OF PIPE CULVERTS.

FOR ALL PIPE TYPES – CONCRETE PIPE SHOWN

## FILTER FABRIC JACKET DETAIL

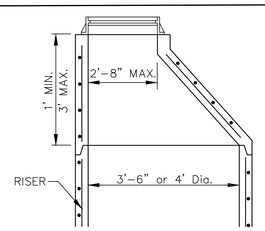
N.T.S. — 3 / C4.02




NOTES:
1) GROUT TO CONSIST OF 3:1 SAND-CEMENT MIXTURE OR ANY CLASS CONCRETE.
2) FOR ALL STRUCTURES UNLESS EXCLUDED BY SPECIAL DETAIL

## DRAINAGE STRUCTURE INVERT DETAIL

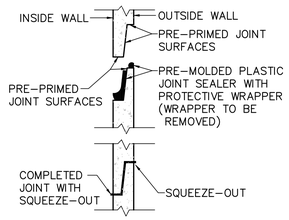
N.T.S. — 4 / C4.02




PRECAST ECCENTRIC CONE

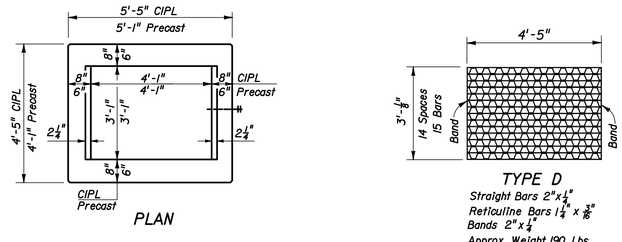
## STORM MANHOLE TOP DETAIL

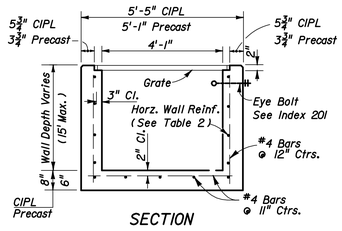
N.T.S. — 5 / C4.02




## MANHOLE JOINT DETAIL

N.T.S. — 6 / C4.02




### HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 2)

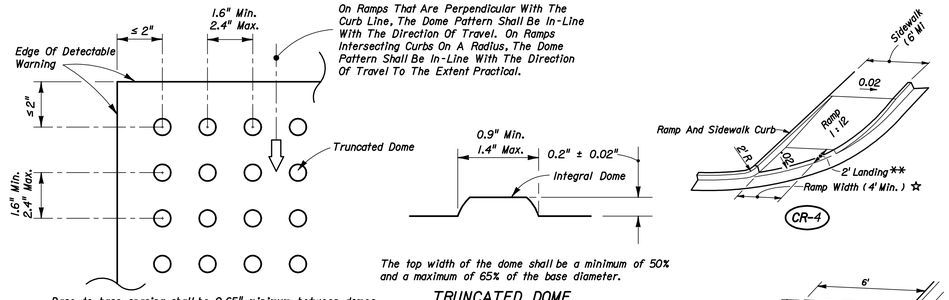
| WALL DEPTH | SCHEDULE | AREA (In²/Ft) | MAX. SPACING BARS | MAX. SPACING WWF |
|---|---|---|---|---|
| 0'-6' | A12 | 0.20 | 12" | 8" |
| 6'-10' | A6 | 0.20 | 6" | 5" |
| 10'-13' | A4 | 0.20 | 4" | 3" |
| 10'-15' | B5.5 | 0.24 | 5½" | 5" |

TYPE D

Recommended Maximum Pipe Size:
3'-1" Wall - 24" Pipe
4'-1" Wall - 36" Pipe

## FDOT TYPE 'D' INLET

N.T.S. — 7 / C4.02

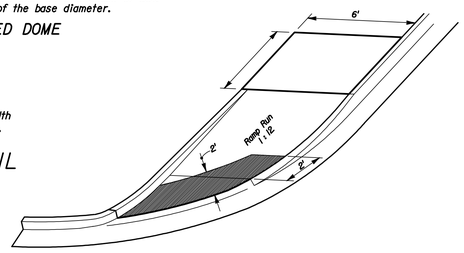



All Sidewalk Curb Ramps Shall Have Detectable Warning Surfaces That Extend The Full Width Of The Ramp And In The Direction Of Travel 24 Inches (610 mm) From The Back Of Curb.

CURB RAMP DETECTABLE WARNING DETAIL

☆ Ramp Widths For Curb Ramps May Be Reduced To 3' Min. In Restricted Conditions When Approved By The Engineer.

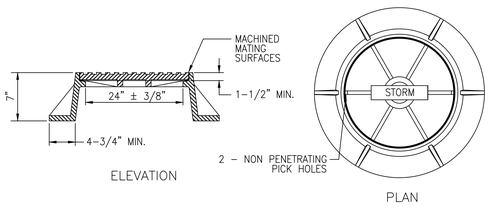
** Lower landing not required at driveways, parking lots, or other areas with pavement cross-slopes less than 2% (0.02).




TYPICAL PLACEMENT OF DETECTABLE WARNING ON CURB RAMPS

## CURB RAMP DETECTABLE WARNING DETAIL

N.T.S. — 8 / C4.02




## STORM MANHOLE FRAME & COVER DETAIL

N.T.S. — 9 / C4.02

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| C | 60% CDs | - |
| D | 90% CDs | - |
| E | 100% CDs | - |

VITEMA SAFE ROOM & WIND RETROFIT
ST.CROIX, USVI

DETAILS SHEET

REVISIONS:

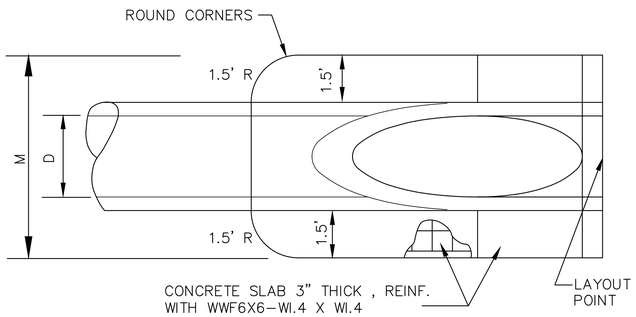
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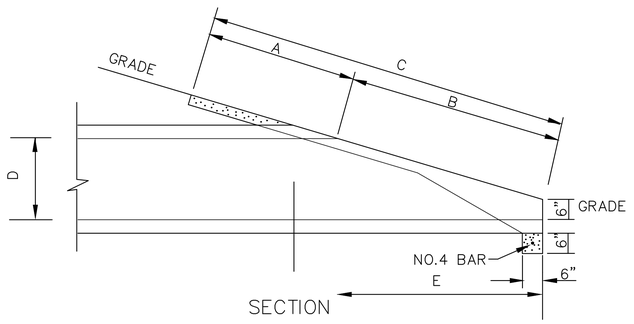
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TOP VIEW – SINGLE PIPE



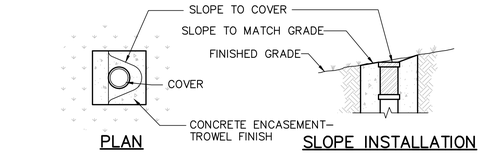

SECTION

| DIMENSIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| D | X | A | B | C | E | G | SINGLE PIPE |
| 15" | 2'-7" | 2.27' | 4.09' | 6.36' | 4.03' | 1.22' | 4.63' |
| 18" | 2'-10" | 2.36' | 5.12' | 7.48' | 5.03' | 1.41' | 4.92' |
| 24" | 3'-5" | 2.53' | 7.18' | 9.71' | 7.03' | 1.73' | 5.50' |
| 30" | 4'-3" | 2.70' | 9.25' | 11.75' | 9.03' | 2.00' | 6.08' |
| 36" | 5'-1" | 2.87' | 11.31" | 14.81' | 11.03' | 2.24' | 6.67' |
| 42" | 6'-0" | 3.05' | 13.37' | 16.42' | 13.03' | 2.45' | 7.25' |

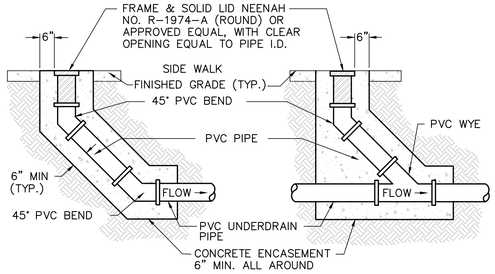
## MITERED END DETAIL

N.T.S.

1 C4.03




PLAN SLOPE INSTALLATION

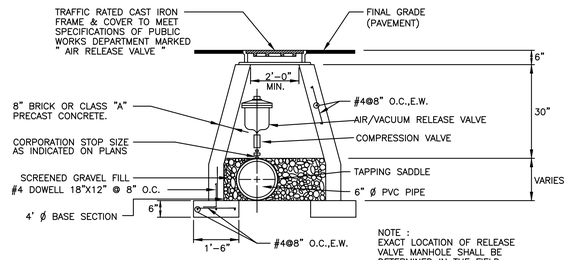



TERMINAL CLEANOUT IN-LINE CLEANOUT

## SANITARY SEWER CLEANOUT DETAIL

N.T.S.

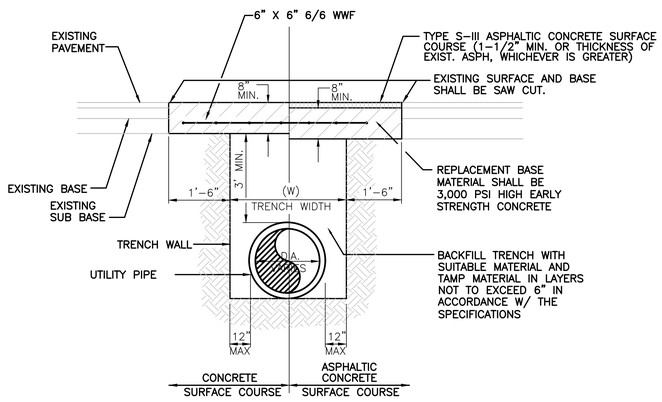
2 C4.03




## AIR/VACUUM RELEASE VALVE

NTS

NTS 3 C4.03



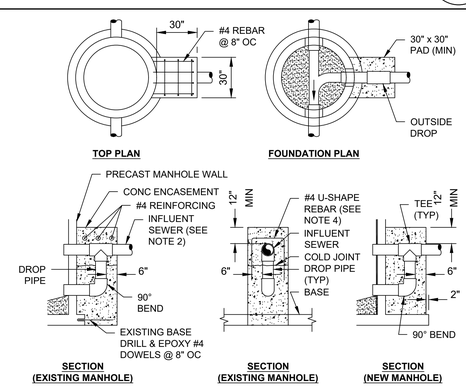

NOTES:

1. THE CONTRACTOR WILL PROMPTLY FILL OPEN-CUT TO ALLOW TRAFFIC TO PASS FREELY AND SAFELY. IF PERMANENT RESTORATION IS TO BE DEFERRED THE CONTRACTOR SHALL MAINTAIN THE TEMPORARY CONDITION TO THE SATISFACTION OF THE OWNER. ALL OPEN-CUTS SHALL BE FULLY REPAIRED WITHIN FIFTEEN (15) CALENDAR DAYS TO SATISFACTION OF THE OWNER.
2. FOR SHELL ROADWAY REPLACEMENT, SHELL BASE SHALL BE 8" THICK COMPACTED TO 98% MAX. DRY DENSITY, PER AASHTO T-180. SUBGRADE SHALL BE 12" THICK STABILIZED, COMPACTED TO 98% MAX. DRY DENSITY PER AASHTO T-180.

## PAVEMENT OPEN CUT DETAIL

N.T.S.

4 C4.03




NOTES:

1. DROP PIPE AND FITTINGS SHALL BE OF EQUAL SIZE AND MATERIAL AS THE INFLUENT SEWER.
2. AN OUTSIDE DROP CONNECTION SHALL BE REQUIRED FOR ALL INFLUENT LINES WHICH HAVE AN INVERT 2-FT OR MORE ABOVE THE MANHOLE INVERT.
3. CONTRACTOR SHALL COORDINATE THE PRESENCE OF UTILITIES INSPECTOR DURING EXCAVATION, CORING AND CONNECTIONS TO EXISTING MANHOLES.
4. FORM AND POUR CONCRETE TO BOTTOM OF TEE. INSTALL A MINIMUM OF TWO (2) U-SHAPE REBAR MIN 8-IN BELOW TEE. INSTALL GRAVITY MAIN, FORM & CAP OFF W/ CONCRETE MIN 12-IN ABOVE INFLUENT PIPE.
5. ALL PIPE CONNECTIONS SHALL HAVE A MINIMUM OF 12-IN SEPARATION FROM ALL JOINTS AND CORES.

## OUTSIDE DROP GRAVITY MANHOLE CONNECTION

N.T.S.

5 C.403

| VERTICAL SEPARATION REQUIREMENTS (NOTES 1 & 2) | | | | | |
|---|---|---|---|---|---|
| PROPOSED UTILITY | POTABLE WATER (NOTE 4) | RECLAIMED WATER MAIN | WASTEWATER FORCEMAIN | SANITARY SEWER | STORM SEWER (NOTE 3) |
| POTABLE WATER (NOTE 4) | 12" | 12" | 12" / 18" | 12" / 18" | 12" / 18" |
| RECLAIMED WATER MAIN | 12" | 12" | 12" | 12" | 12" / 18" |
| WASTEWATER FORCEMAIN | 12" | 12" | 12" | 12" | 12" / 18" |
| SANITARY SEWER | 12" / 18" | 12" | 12" | 12" | 12" / 18" |

**NOTES:**

1. DISTANCES GIVEN ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
2. THIS SEPARATION REQUIREMENT IS TO PROVIDE ACCESSIBILITY FOR CONSTRUCTION AND MAINTENANCE.
3. THE 18-IN SEPARATION REQUIREMENT APPLIES WHEN THE STORM PIPE OR SANITARY SEWER CROSSES ABOVE THE UTILITY MAIN, AND WHEN THE STORM PIPE HAS A DIAMETER EQUAL TO OR GREATER THAN 24-IN. OTHERWISE, THE REQUIRED SEPARATION IS 12-IN.
4. THIS SEPARATION REQUIREMENT COMPLIES WITH THE MINIMUM FDEP SEPARATION REQUIREMENTS OUTLINED IN 62-555.314, FAC. VARIANCES FROM THE FDEP REQUIREMENTS MUST COMPLY WITH 62-555.314(5), FAC AND MUST BE APPROVED INDIVIDUALLY BY BOTH FDEP AND UTILITIES.
5. NO WATER PIPE SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF SANITARY OR STORM WATER MANHOLE OR STRUCTURE.
6. REFERENCE FIGURE **A116-1** FOR HORIZONTAL PIPELINE SEPARATION REQUIREMENTS.
7. JOINT SPACING AT CROSSING SHALL COMPLY WITH THE MINIMUM FDEP SEPARATION REQUIREMENTS OUTLINED IN 62-555.314, F.A.C.

## VERTICAL PIPELINE SEPERATION REQUIREMENTS

N.T.S.

8 C.403

| HORIZONTAL SEPARATION REQUIREMENTS (NOTES 1 & 2) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| PROPOSED UTILITY | | POTABLE WATER (NOTE 3) | | RECLAIMED WATER MAIN (SEE NOTE 7) | | WASTEWATER FORCEMAIN | | SANITARY SEWER | STORM SEWER | STRUCTURAL FOUNDATION, WALLS, ETC. (SEE NOTE 8) |
| | | 4"-12" | 16"-UP | 4"-12" | 16"-UP | 4"-12" | 16"-UP | ALL SIZES | ALL SIZES | ALL SIZES |
| POTABLE WATER (NOTE 3) | 4"-12" | 3' | 5' | 3' | 5' | 6' | 6' | 6' | 3' | 10' |
| | 16"-UP | 5' | 5' | 5' | 5' | 6' | 6' | 6' | 5' | 15' (NOTE 5) |
| RECLAIMED WATER MAIN (SEE NOTE 7) | 4"-12" | 3' | 5' | 3' | 5' | 3' | 5' | 3' | 3' | 10' |
| | 16"-UP | 5' | 5' | 5' | 5' | 5' | 5' | 5' | 5' | 15' (NOTE 5) |
| WASTEWATER FORCEMAIN | 4"-12" | 6' | 6' | 3' | 5' | 3' | 5' | 3' | 3' | 10' |
| | 16"-UP | 6' | 6' | 5' | 5' | 5' | 5' | 5' | 5' | 15' (NOTE 5) |
| SANITARY SEWER | ALL SIZES | 6' | 6' | 3' | 5' | 3' | 5' | 3' | 5' | VARIES PER DEPTH |

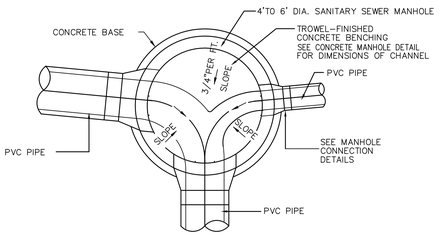
**NOTES:**

1. DISTANCES GIVEN ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
2. THIS SEPARATION REQUIREMENT IS TO PROVIDE ACCESSIBILITY FOR CONSTRUCTION AND MAINTENANCE. FOR PIPES INSTALLED AT GREATER DEPTHS THAN THE MINIMUM OCU DESIGN STANDARDS, PROVIDE AN ADDITIONAL FOOT OF SEPARATION FOR EACH ADDITIONAL FOOT OF DEPTH.
3. THIS SEPARATION REQUIREMENT COMPLIES WITH THE MINIMUM FDEP SEPARATION REQUIREMENTS OUTLINED IN 62-555.314, FAC. VARIANCES FROM THE FDEP REQUIREMENTS MUST COMPLY WITH 62-555.314(5), FAC AND MUST BE APPROVED INDIVIDUALLY BY BOTH FDEP AND UTILITIES PRIOR TO INSTALLATION.
4. NO WATER PIPE SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF SANITARY OR STORM WATER MANHOLE OR STRUCTURE.
5. PRESSURE MAINS 16-IN TO 24-IN MAY HAVE 10-FT SEPARATION FROM STRUCTURAL FOUNDATION, WALLS, ETC IF NEW MAINS ARE RESTRAINED FOR THE ENTIRE LENGTH.
6. REFERENCE FIGURE **A116-2** FOR VERTICAL PIPELINE SEPARATION REQUIREMENTS.
7. RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
8. ADDITIONAL SEPARATION SHALL BE REQUIRED BY UTILITIES FOR CONSTRUCTION OF, INCLUDING, BUT NOT LIMITED TO: LIVE LOADS, MULTI-STORY COMMERCIAL BUILDINGS, SUPERSTRUCTURES, EMBANKMENTS, RETAINING WALLS, BRIDGES, RAILROADS, HIGH VOLTAGE TRANSMISSION MAINS, GAS MAINS, ETC.

## HORIZONTAL PIPELINE SEPERATION REQUIREMENTS

N.T.S.

6 C.403




NOTE:

FLOW CHANNEL SHALL HAVE A MINIMUM SLOPE OF 0.30 FEET PER 100 FEET. NO STANDING WATER WILL BE ALLOWED IN INVERT.

## MANHOLE CHANNELIZATION DETAIL

N.T.S.

7 C.403

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| B | 30% CDs | 08/18/2022 |
| C | 60% CDs | - |
| D | 90% CDs | - |
| E | 100% CDs | - |

VITEMA SAFE ROOM & WIND RETROFIT

ST.CROIX, USVI

DETAILS SHEET

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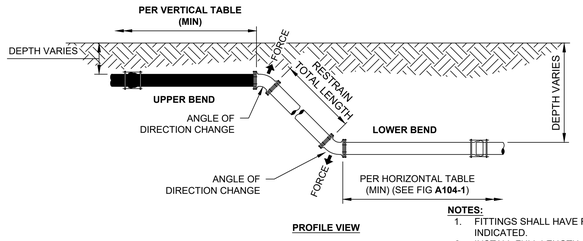
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**PROFILE VIEW**

MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S)

| | TYPE | PVC AND DUCTILE IRON PIPE SIZE (IN) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4 | 6 | 8 | 12 | 16 | 20 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 64 |
| VERTICAL (UPPER) | 90° BEND | 43 | 59 | 78 | 109 | 139 | 167 | 277 | 330 | 415 | 424 | 465 | 506 | 529 | 551 |
| | 45° BEND | 18 | 25 | 32 | 45 | 58 | 69 | 115 | 137 | 172 | 176 | 193 | 210 | 219 | 229 |
| | 22-1/2° BEND | 9 | 12 | 16 | 22 | 28 | 34 | 56 | 66 | 83 | 85 | 93 | 101 | 106 | 110 |
| | 11-1/4° BEND | 5 | 6 | 8 | 11 | 14 | 17 | 28 | 33 | 41 | 42 | 46 | 50 | 53 | 55 |
| | 5 5/8° BEND OR MJ SLEEVE | 3 | 3 | 4 | 6 | 7 | 9 | 14 | 17 | 21 | 21 | 23 | 25 | 26 | 28 |

**NOTES:**

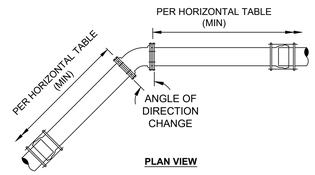
1. FITTINGS SHALL HAVE RESTRAINED JOINTS UNLESS OTHERWISE INDICATED.
2. INSTALL FULL LENGTH JOINTS WITH TOTAL LENGTH EQUAL TO OR GREATER THAN LENGTH SHOWN IN THE TABLE.
3. WHERE TWO OR MORE FITTINGS ARE IN SERIES, SELECT FITTING RESTRAINT LENGTH THAT YIELDS THE LONGEST RESTRAINT DISTANCE.
4. ALL INLINE VALVES SHALL BE RESTRAINED.
5. WHERE INTERNAL RESTRAINED JOINTS ARE USED, THE ENTIRE BELL SHALL BE PAINTED RED.
6. LENGTHS SHOWN IN THE TABLE WERE CALCULATED IN ACCORDANCE WITH PROCEDURES OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" GUIDELINES PUBLISHED BY DIPRA, USING THE ASSUMPTIONS SHOWN BELOW:
   - WORKING PRESSURE: 150 PSI
   - SOIL DESIGNATION: SM (SAND SILT)
   - LAYING CONDITIONS: 3
   - DEPTH OF COVER: 3-FT
   - SAFETY FACTOR: 1.5

   THE DESIGN ENGINEER SHALL INCREASE THE VALUES IN THE TABLE AS WARRANTED BY SITE-SPECIFIC PARAMETERS, SUCH AS SOIL DESIGNATIONS AND LAYING CONDITIONS.
7. 90° BENDS ON VERTICAL PIPE ARE SUBJECT TO REVIEW AND APPROVAL OF UTILITIES.
8. IF 4-IN THRU 20-IN PIPE IS POLYETHYLENE ENCASED, USE 1.25 MULTIPLIER ON RESTRAINT LENGTH.
9. RESTRAINING REQUIREMENTS APPLY TO BOTH EXISTING AND PROPOSED MAINS.

## RESTRAINED VERTICAL PIPE TABLE

N.T.S.

8 C.404




**PLAN VIEW**

MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S)

| | TYPE | PVC AND DUCTILE IRON PIPE SIZE (IN) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4 | 6 | 8 | 12 | 16 | 20 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 64 |
| HORIZONTAL | 90° BEND | 21 | 29 | 37 | 52 | 65 | 78 | 104 | 122 | 143 | 154 | 167 | 180 | 188 | 195 |
| | 45° BEND | 9 | 12 | 16 | 22 | 27 | 33 | 43 | 51 | 60 | 64 | 70 | 75 | 78 | 81 |
| | 22-1/2° BEND | 5 | 6 | 8 | 11 | 13 | 16 | 21 | 25 | 29 | 31 | 34 | 36 | 38 | 39 |
| | 11-1/4° BEND | 2 | 3 | 4 | 6 | 7 | 8 | 11 | 12 | 15 | 16 | 17 | 18 | 19 | 20 |
| | 5 5/8° BEND OR MJ SLEEVE | 1 | 2 | 2 | 3 | 4 | 4 | 6 | 6 | 8 | 8 | 9 | 9 | 10 | 10 |
| | PLUG OR BRANCH OF TEE OR DEAD END | 43 | 59 | 78 | 109 | 139 | 167 | 277 | 330 | 415 | 424 | 465 | 506 | 529 | 551 |
| | VALVE OR LINE STOP | 22 | 30 | 39 | 55 | 70 | 84 | 139 | 165 | 208 | 212 | 233 | 253 | 265 | 276 |
| | HDPE CONNECTION | 19 | 26 | 34 | 49 | 62 | 75 | 125 | 151 | 174 | 203 | 223 | | | |

**NOTES:**

1. FITTINGS SHALL HAVE RESTRAINED JOINTS UNLESS OTHERWISE INDICATED.
2. INSTALL FULL LENGTH JOINTS WITH TOTAL LENGTH EQUAL TO OR GREATER THAN LENGTH SHOWN IN THE TABLE.
3. WHERE TWO OR MORE FITTINGS ARE IN SERIES, SELECT FITTING RESTRAINT LENGTH THAT YIELDS THE LONGEST RESTRAINT DISTANCE.
4. ALL INLINE VALVES SHALL BE RESTRAINED.
5. WHERE INTERNAL RESTRAINED JOINTS ARE USED, THE ENTIRE BELL SHALL BE PAINTED RED.
6. LENGTHS SHOWN IN THE TABLE WERE CALCULATED IN ACCORDANCE WITH PROCEDURES OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" GUIDELINES PUBLISHED BY DIPRA, USING THE ASSUMPTIONS SHOWN BELOW:
   - WORKING PRESSURE: 150 PSI
   - SOIL DESIGNATION: SM (SAND SILT)
   - LAYING CONDITIONS: 3
   - DEPTH OF COVER: 3-FT
   - SAFETY FACTOR: 1.5

   THE DESIGN ENGINEER SHALL INCREASE THE VALUES IN THE TABLE AS WARRANTED BY SITE-SPECIFIC PARAMETERS, SUCH AS SOIL DESIGNATIONS AND LAYING CONDITIONS.
7. 90° BENDS ON VERTICAL PIPE ARE SUBJECT TO REVIEW AND APPROVAL OF UTILITIES.
8. IF 4-IN THRU 20-IN PIPE IS POLYETHLYENE ENCASED, USE 1.25 MULTIPLIER ON RESTRAINT LENGTH.
9. RESTRAINING REQUIREMENTS APPLY TO BOTH EXISTING AND PROPOSED MAINS.

## RESTRAINED HORIZONTAL PIPE TABLE

N.T.S.

8 C.404

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GOVERNMENT OF THE UNITED STATES VIRGIN ISLANDS

OFFICE OF DISASTER RECOVERY

VIRGIN ISLANDS TERRITORIAL EMERGENCY MANAGEMENT AGENCY

HARRIS CIVIL ENGINEERS

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| C | 60% CDs | - |
| D | 90% CDs | - |
| E | 100% CDs | - |

VITEMA SAFE ROOM & WIND RETROFIT

ST.CROIX, USVI

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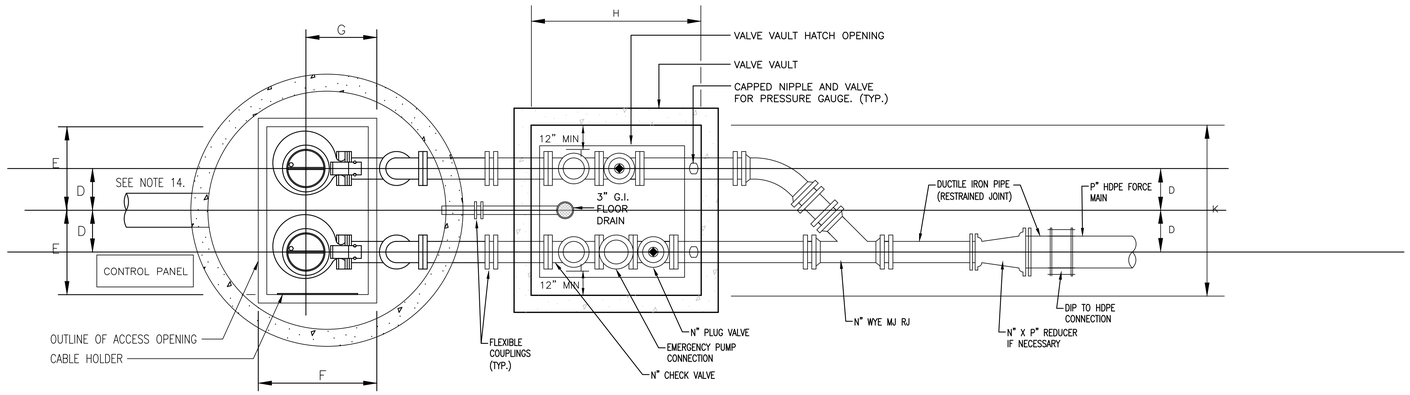
06162037

SHEET NUMBER

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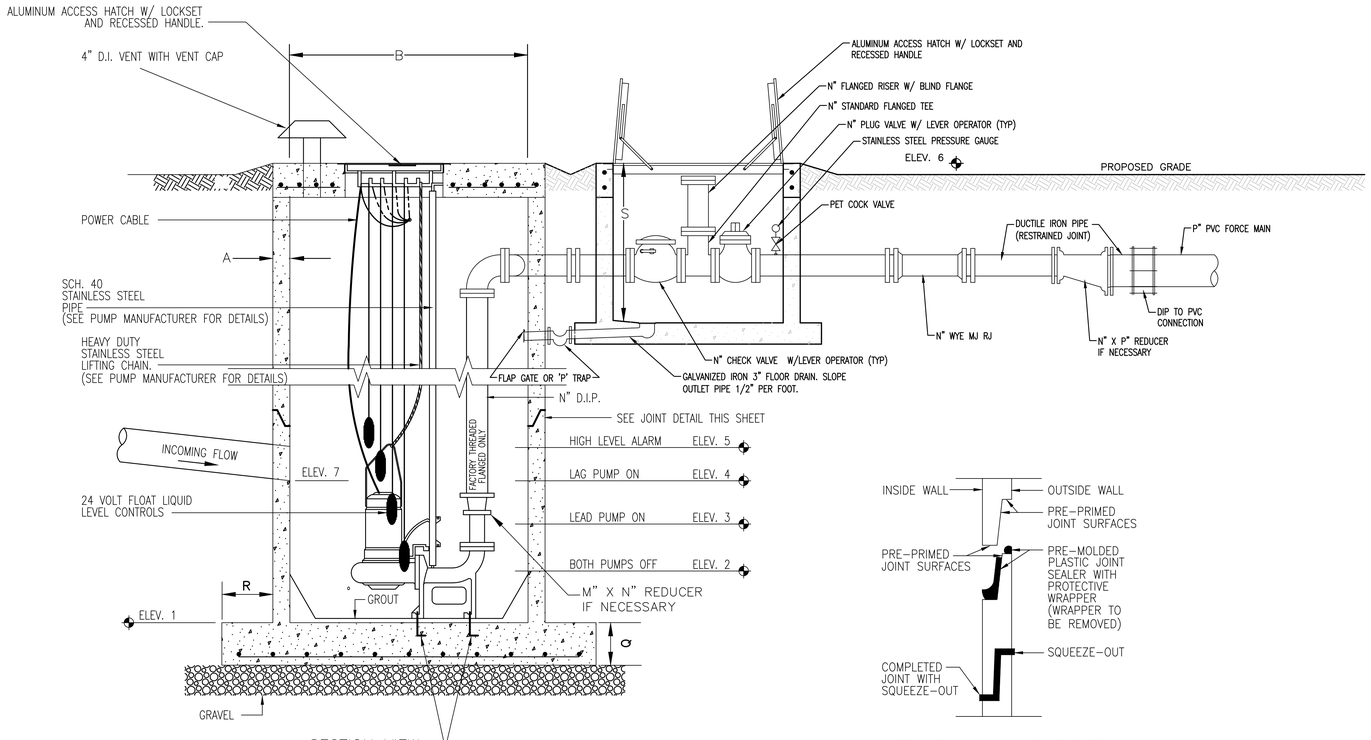
30% CONSTRUCTION DOCUMENTS

**NOT FOR CONSTRUCTION**




PLAN VIEW

N.T.S.




SECTION VIEW

N.T.S.

## PUMP STATION DETAILS PLANS, SECTION, AND NOTES

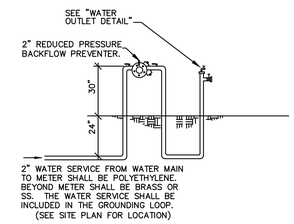
GENERAL NOTES:

1. ALL EXPOSED METAL SHALL BE PRIMED & PAINTED WITH 2 COATS OF EXTERIOR ENAMEL PAINT.
2. WET WELL AND VALVE VAULT SHALL BE H-20 LOAD RATED AND COATED WITH COAL TAR EPOXY INSIDE AND OUT. (TWO COATS, 9 MILS EACH.)
3. BASE AND FIRST RISER UNIT TO BE CAST MONOLITHIC.
4. VALVE VAULT SHALL HAVE SEALED FLOOR AND DRAIN.
5. ALL LOCATIONS WHERE PIPES ENTER OR LEAVE THE WET WELL OR VALVE VAULT SHALL BE MADE WATERTIGHT WITH WALL SLEEVE OR NON-SHRINK GROUT.
6. THERE SHALL BE NO VALVES OR ELECTRICAL JUNCTION BOXES IN WET WELL.
7. WET WELL AND VALVE VAULT COVERS SHALL BE ALUMINUM WITH 316 S.S. HARDWARE AND LOCK BRACKET. SIZE AS REQUIRED BY PUMP MANUFACTURER AND APPROVED BY THE ENGINEER.
8. FLEXIBLE COUPLING SHALL BE SLEEVE TYPE.
9. SUBSTITUTE SUBMERSIBLE PUMPS MEETING THE DESIGN CONDITIONS MUST BE APPROVED BY OWNER PRIOR TO ORDERING.
10. ALL HARDWARE IN WET WELL AND VALVE BOX TO BE STAINLESS STEEL.



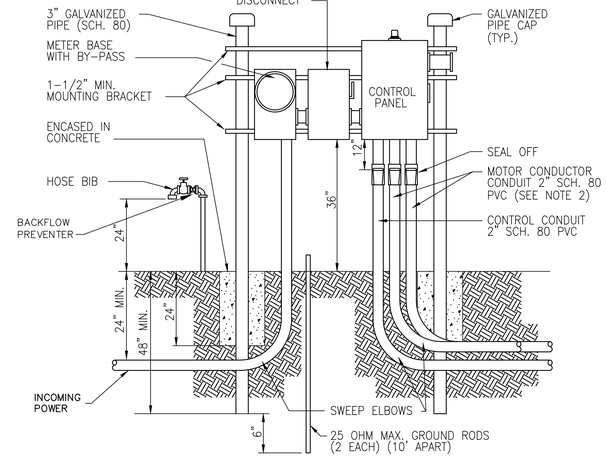

WET WELL WALL JOINT DETAIL

N.T.S.




| LIFT STATION DETAILS | | | | |
|---|---|---|---|---|
| SPECIFICATIONS: | | | | |
| NUMBER | | | | 1 |
| DESCRIPTION | | | | VITEMA L.S. |
| PUMPS REQUIRED | | | | 2 |
| | | | | |
| | | | | |
| DISCHARGE SIZE (IN) | | | | 4" |
| CAPACITY EACH (GPM) | | | | 90 |
| TOTAL HEAD (FEET) | | | | 100 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| ELEVATIONS: | | | | |
| Wet Well Bottom | 1 | | | 212.80 |
| Both Pumps Off | 2 | | | 213.80 |
| Lead Pump On | 3 | | | 215.30 |
| Lag Pump On | 4 | | | 215.80 |
| Alarm Level | 5 | | | 216.30 |
| Wet Well Top | 6 | | | 220.00 |
| Influent Invert | 7 | | | 216.30 |
| DIMENSIONS: | | | | |
| Wet Well Wall Thickness (in) | A | | | 6 |
| Wet Well Inside Diameter (ft) | B | | | 4 |
| Reserved | C | | | |
| CL of Well to CL of Pump (in) | D | | | * |
| Half of Well Hatch Length (in) | E | | | * |
| Wet Well Hatch Width (in) | F | | | 36 |
| Opening of Hatch to Pump (in) | G | | | * |
| Valve Vault Inside Length (ft) | H | | | 5 |
| Valve Vault Inside Width (ft) | K | | | 5.5 |
| Pump Discharge Size (in) | M | | | 4 |
| Well/Vault Piping and Valve Sizes (in) | N | | | 4 |
| Force Main Piping (in) | P | | | 4 |
| Wet Well Bottom Slab Thickness (in) | Q | | | 12 |
| Wet Well Bottom Lip Extension (in) | R | | | 12 |
| Valve Vault Inside Depth (ft) | S | | | 7.20 |
| * VERIFY WITH PUMP MANUFACTURER | | | | |

NOTE:
1. CONTRACTOR TO VERIFY LAYOUT FOR EACH LIFT STATION WITH PUMP MANUFACTURER. SUBJECT TO APROVAL BY PROJECT ENGINEER.




NOTES:
1. DRAWING IS SHOWN FOR 230 VOLT POWER SUPPLY. THE LOCATION OF METER AND MAIN POWER DISCONNECT SHALL BE REVERSED FOR 480 VOLT SUPPLY.
2. WHEN TWO (2) SEPARATE CONDUCTOR-TYPE MOTORS ARE USED, CONDUIT SHALL BE INCREASED TO 3".
3. POWER SUPPLY SHALL BE UNDERGROUND ON THE LIFT STATION SITE AND SHALL BE 3 PHASE FROM A 3 PHASE SOURCE ONLY.
4. AN ELECTRICAL GROUNDING SYSTEM SHALL BE INSTALLED AS PER THE NATIONAL ELECTRICAL CODE, LOCAL CODES AND ORDINANCES. AN UNDERGROUND PERIMETER CABLE GROUNDING SYSTEM SHALL BE INSTALLED WITH CONNECTIONS TO AT LEAST WET WELL COVER, VALUE VAULT COVER, CONTROL PANELS, GENERATOR, UTILITY COMPANY TRANSFORMER, AND MAIN DISCONNECT SWITCH.

## PUMP STATION CONTROL PANEL INSTALLATION DETAIL

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SHEET NUMBER

C4.05

30% CONSTRUCTION DOCUMENTS

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**General Notes**

**1. CODES AND STANDARDS**

A. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE UNITED STATES VIRGIN ISLAND BUILDING CODE AND ICC 500, LATEST EDITION, WITH THE SPECIFICATION AND WITH THE REGULATIONS OF ALL GOVERNMENTAL AGENCIES HAVING JURISDICTION.

**II. GENERAL**

A. THIS PROJECT HAS BEEN DESIGNED FOR THE WEIGHTS OF MATERIALS INDICATED IN THE DESIGN DATA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALLOWABLE CONSTRUCTION LOADS AND TO PROVIDE PROPER DESIGN AND CONSTRUCTION OF FALSEWORK, FORMWORK, STAGING, BRACING, SHEETING, SHORING, ETC.

B. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY ALL STRUCTURAL ELEVATIONS AND DIMENSIONS WITH EXISTING CONDITIONS AND WITH OTHER PROJECT DRAWINGS; COORDINATE LOCATION OF SLEEVES AND OPENINGS THROUGH THE STRUCTURE, SLAB DEPRESSIONS, FLOOR DRAINS, INSERTS, AND OTHER RELATED ITEMS.

C. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CORRECTNESS OF DIMENSIONS OR QUANTITIES AND FOR THE FITTING TO OTHER WORK; FOR WORK TO BE CONFIRMED AND CORRELATED AT THE SITE; FOR INFORMATION PERTAINING TO THE FABRICATION PROCEDURE OR TO THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION; AND FOR THE COORDINATION OF STRUCTURAL WORK WITH THE WORK OF ALL OTHER TRADES. THE VERIFICATION OF THE PHYSICAL INTERRELATIONSHIPS OF ELEMENTS OF THE WORK FROM PLANS AND SPECIFICATIONS AND IN THE FIELD IS THE CONTRACTOR'S SOLE RESPONSIBILITY. REVIEW OF CONTRACTOR'S SUBMISSIONS DOES NOT RELIEVE CONTRACTOR FROM THESE RESPONSIBILITIES.

D. SEE ARCHITECTURAL DRAWINGS FOR EXACT DETAIL AND LOCATION OF OPENINGS OR RECESSES IN WALLS AND SLABS AND OTHER DIMENSIONS NOT SHOWN IN STRUCTURAL DRAWINGS.SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR INFORMATION REGARDING SIZE AND LOCATION OF OPENINGS FOR DUCTS, PIPES, CONDUITS, MACHINE PADS, AND THE LIKE. PROPOSED OPENINGS OR RECESSES IN THE STRUCTURE WHICH ARE NOT SHOWN IN THE STRUCTURAL DRAWINGS, EITHER DIRECTLY OR BY TYPICAL DETAIL, SHALL BE SUBMITTED FOR ACCEPTANCE.

E. HOLES OF ANY SIZE SHALL NOT BE DRILLED INTO STRUCTURAL MEMBERS, EXCEPT AS SHOWN IN THE DRAWINGS, WITHOUT THE ACCEPTANCE OF THE ENGINEER.

F. ALL CONCRETE MASONRY UNITS CONTAINING MASONRY ANCHORS, DOWELS, REINFORCING STEEL AND THE LIKE SHALL BE FILLED SOLID WITH GROUT.

**III. REINFORCED CONCRETE:**

A. UNLESS OTHERWISE NOTED:
1. ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60.
2. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064.

B. PROVIDE CONCRETE WITH THE FOLLOWING PROPERTIES IN THE LOCATIONS INDICATED:

| F'C (PSI) | COURSE AGGREGATE | LOCATIONS |
|---|---|---|
| 5,000 | NORMAL WEIGHT | ALL CONCRETE UNLESS SPECIFICALLY SHOWN OTHERWISE |
| 4,000 | NORMAL WEIGHT | SLAB ON GROUND AND OUTDOOR RAMPS AND STAIRS |

C. WATER REDUCING ADMIXTURE SHALL BE INCORPORATED INTO ALL CONCRETE AT A MINIMUM DOSAGE AS RECOMMENDED BY THE MANUFACTURER. ALL CONCRETE OTHER THAN FOR FOOTINGS, SHALL BE AIR-ENTRAINED TO 4 TO 6 PERCENT. EXTERIOR CONCRETE SHALL BE AIR ENTRAINED TO 5 TO 7 PERCENT. CALCIUM CHLORIDE IS NOT PERMITTED FOR USE IN CONCRETE.

D. SPLICING OF REINFORCEMENT IS PERMITTED ONLY AT LOCATIONS SHOWN IN THE CONTRACT DRAWINGS OR AS ACCEPTED BY THE ENGINEER. UNLESS OTHERWISE SHOWN OR NOTED REINFORCING STEEL SHALL BE SPLICED TO DEVELOP ITS FULL TENSILE CAPACITY IN ACCORDANCE WITH ACI 318.

E. REINFORCING BAR DEVELOPMENT LENGTHS, AS COMPUTED IN ACCORDANCE WITH ACI 318, FORM THE BASIS FOR BAR EMBEDMENT LENGTHS AND BAR SPLICED LENGTHS SHOWN IN THE DRAWINGS. APPLY APPROPRIATE MODIFICATION FACTORS FOR TOP STEEL, BAR SPACING, COVER AND THE LIKE.

F. DETAILING OF REINFORCING STEEL SHALL CONFORM TO "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (ACI 315).

G. MINIMUM CONCRETE COVER FOR REINFORCEMENT (SUBJECT TO TOLERANCES PERMITTED BY CODE) SHALL BE AS GIVEN IN PARAGRAPH 7.7.1 OF ACI 318, UNLESS OTHERWISE INDICATED.

H. ALL BEAM AND SLAB CONSTRUCTION, INCLUDING UPSET BEAMS, SHALL BE CAST MONOLITHICALLY WITHOUT HORIZONTAL CONSTRUCTION JOINTS, UNLESS SHOWN IN THE CONTRACT DRAWINGS. MAXIMUM LENGTH OF POUR FOR FOUNDATIONS WALLS SHALL NOT EXCEED 50 FEET.

I. LOCATION OF ALL CONSTRUCTION JOINTS ARE SUBJECT TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, CONFORMANCE WITH ACI 318, AND ACCEPTANCE OF THE ENGINEER. DRAWINGS SHOWING LOCATION OF DETAILS OF THE PROPOSED CONSTRUCTION JOINTS SHALL BE SUBMITTED WITH REINFORCING STEEL SHOP DRAWINGS.

J. SPLICES OF WWF, AT ALL SPLICED EDGES, SHALL BE SUCH THAT THE OVERLAP MEASURED BETWEEN OUTERMOST CROSS WIRES OF EACH FABRIC SHEET IS NOT LESS THAN THE SPACING OF THE CROSS WIRE PLUS 2 INCHES, NOR LESS THAN 8".

K. WELDING OF REINFORCING BARS IS NOT PERMITTED UNLESS SPECIFICALLY CALLED FOR IN THE DRAWINGS.

L. BAR SUPPORTS SHALL BE ALL-GALVANIZED METAL WITH PLASTIC TIPS. ALL REINFORCEMENT SHALL BE SECURELY TIED IN PLACE TO PREVENT

M. DISPLACEMENT BY CONSTRUCTION TRAFFIC OR CONCRETE. TIE WIRE SHALL BE 16 GAUGE CONFORMING TO ASTM A82.

N. REINFORCING STEEL SUPPORTED ON THE GROUND SHALL BE PLACED ON PRECAST BLOCKS PRODUCED SPECIFICALLY FOR THE INTENDED PURPOSE.

O. SLAB ON GROUND:
1. CAST OVER A MINIMUM OF 8 INCHES OF FREE DRAINING GRAVEL FILL.
2. PROVIDE VAPOR BARRIER GRAVEL FILL AS BOTTOM FORM FOR SLAB ON GROUND. OVERLAP JOINTS AND BOND TOGETHER IN ACCORD WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE STEGO WRAP (15 MIL) BY STEGO INDUSTRIES LLC OR OTHER ACCEPTED BY ENGINEER.

P. NON-SHRINK GROUT SHALL BE PREMIXED AND BAGGED BY MANUFACTURER. ACCEPTABLE NON-SHRINK GROUT: MASTER FLOW 713 BY BASF OR OTHER ACCEPTED BY ENGINEER.

**IV. STRUCTURAL MASONRY**

A. COMPRESSIVE STRENGTH F'M, MEASURED AT 28 DAYS AGE SHALL BE 1500 PSI. COMPRESSIVE STRENGTH OF MASONRY UNITS SHALL BE 2350 PSI (MINIMUM) AND MORTAR SHALL BE TYPE M.

B. PROVIDE HORIZONTAL JOINT REINFORCEMENT 16 INCHES O.C. EVERY OTHER COURSE. REINFORCEMENT SHALL BE 16 GAUGE GALVANIZED LOX-ALL LADDER MESH REINFORCEMENT BY HOHMANN & BARNARD OR ACCEPTED EQUAL

C. ALL REINFORCING STEEL SHEEL CONFORM TO ASTM A615, GRADE 60

D. GROUT SHALL CONFORM TO ASTM C476 WITH A MINIMUM COMPRESSIVE STRENGTH OF X,XXX PSI

**V. FOUNDATIONS**

A. REFER TO BORING LOGS BY VITEST ENGINEERS PROJECT NO. VTE22-01.1101 DATE APRIL 4, 2022.

B. ALL FOOTINGS ARE DESIGNED TO BEAR ON UNDISTURBED SOIL WITH A MINIMUM BEARING CAPACITY OF 2.25 TONS PER SQUARE FOOT. ALL EXISTING LOOSE FILL AND UNSATISFACTORY BEARING MATERIAL SHALL BE REMOVED FROM THE SITE.

C. DEWATERING SHALL BE PROVIDED AS REQUIRED SO THAT EXCAVATION, CONCRETE WORK AND BACKFILLING ARE PERFORMED IN THE DRY.

D. TEMPORARY BRACING, SHEETING AND SHORING, ETC. SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE DESIGNED, FABRICATED AND INSTALLED IN ACCORDANCE WITH ACCEPTED DRAWINGS PREPARED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE UNITED STATES VIRGIN ISLANDS.

E. BELOW GRADE WALLS ARE SUPPORTED LATERALLY BY FLOOR CONSTRUCTION AT THE TOP AND AT THE BOTTOM. BACKFILL SHALL NOT BE PLACED BEHIND WALLS UNTIL THE SUPPORTING SLABS ARE IN PLACE AND THE WALLS HAVE ACHIEVED DESIGN STRENGTH.

**VI. SPECIAL INSPECTION**

A. PROVIDE SPECIAL INSPECTION FOR INSTALLATION OF:
1. FOUNDATION BEARING SURFACES
2. CAST-IN-PLACE CONCRETE
3. REINFORCING STEEL
4. SUB-GRADE BELOW SLAB ON GROUND

A. ALL SPECIAL INSPECTION SHALL BE DONE UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. REPORTS SHALL BE SUBMITTED TO THE OWNER AND ENGINEER FOR REVIEW.

ABBREVIATIONS

| Key Name | Structural Abbreviation |
|---|---|
| A.F.F. | ABOVE FINISHED FLOOR |
| A.H.U. | AIR HANDLING UNIT |
| ARCH. | ARCHITECTURAL |
| B.S. | BOTH SIDES |
| BOT. | BOTTOM |
| CF | CUBIC FOOT |
| CLR. | CLEAR |
| COL. | COLUMN |
| CONC. | CONCRETE |
| CONT. | CONTINUOUS |
| DET. | DETAIL |
| DIA. | DIAMETER |
| DIM. | DIMENSION |
| EA. | EACH |
| ELEV. | ELEVATION |
| EQ. | EQUAL |
| EQUIP. | EQUIPMENT |
| EXIST. | EXISTING |
| EXP. | EXPANSION |
| EXT. | EXTERIOR |
| FIN. | FINISH |
| FTG. | FOOTING |
| GA. | GAUGE |
| GALV. | GALVANIZED |
| HORIZ. | HORIZONTAL |
| HSS | HOLLOW STRUCTURAL SECTION |
| INT. | INTERIOR |
| J.B. | JOIST BEARING |
| KSI | KIPS PER SQUARE INCH |
| LLH | LONG LEG HORIZONTAL |
| LLV | LONG LEG VERTICAL |
| MAX. | MAXIMUM |
| MECH. | MECHANICAL |
| MIN. | MINIMUM |
| MPH | MILES PER HOUR |
| # | NUMBER |
| N.T.S. | NOT TO SCALE |
| NO. | NUMBER |
| O.C. | ON CENTER |
| PSF | POUNDS PER SQUARE FOOT |
| PSI | POUNDS PER SQUARE INCH |
| R | RADIUS |
| REINF. | REINFORCING |
| REQ'D | REQUIRED |
| S.S. | STAINLESS STEEL |
| SIM | SIMILAR |
| STD. | STANDARD |
| STRU. | STRUCTURAL |
| TS | TUBE STEEL |
| TYP. | TYPICAL |
| U.N.O. | UNLESS NOTED OTHERWISE |
| V.I.F. | VERIFY IN FIELD |
| VERT. | VERTICAL |
| W.P. | WORK POINT |
| W.W.F. | WELDED WIRE FABRIC |

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| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

St. Croix, US Virgin Islands

GENERAL STRUCTURAL NOTES

REVISIONS:

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|---|---|---|

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CHECKED BY: Checker

DATE: 08/18/22

NOVUS JOB NUMBER

470-20-02

SHEET NUMBER

S001

SCHEMATIC DESIGN

NOT FOR CONSTRUCTION

## DESIGN LOAD SCHEDULE

| ITEMS / FLOOR | SUPERIMPOSED DEAD LOAD (PSF) | | | | | |
|---|---|---|---|---|---|---|
| | ROOFING | CEILING | MECH/ ELEC | FLOOR FINISH/ INSULATION | | LIVE LOAD |
| CELLAR TO FOURTH FLOOR | - | 5 | 5 | 5 | | 100 |
| ROOF | 8 | 5 | 10 | - | | 50 |
| THIRD FLOOR CANOPIES | 8 | 5 | 5 | - | | 20 |

**WIND LOADS:**

1. BASIC WIND SPEED, V = 230 MPH
2. WIND DIRECTIONALITY FACTOR, Kd = 1.0
3. WIND EXPOSURE CATEGORY = D
4. TOPOGRAPHIC FACTOR, Kzt = 1.0
5. GUST EFFECT FACTOR, G = 1.0
6. RISK CATEGORY IV
7. INTERNAL PRESSURE COEFFICIENT: ±0.55
8. COMPONENTS AND CLADDING WIND LOADS SHALL BE IN ACCORDANCE WITH ASCE 7-16 REQUIREMENTS.

**SEISMIC LOADS:**

1. MAPPED SPECTRAL RESPONSE ACCELERATION Ss = .814 S1 = .313
2. DESIGN SPECTRAL ACCELERATION FOR SHORT PERIODS Sds = .652
3. DESIGN SPECTRAL ACCELERATION FOR 1-SEC PERIOD Sd1 = .303
4. SITE CLASSIFICATION C
5. IMPORTANCE FACTOR 1.5
6. RISK CATEGORY IV
7. SEISMIC DESIGN CATEGORY D

**LOAD CASES:**

1. 1.0D + 1.0L
2. 1.0D + 0.75L + 0.75S
3. 1.0D + 0.75L + 0.75S + 0.45W
4. 1.0D + 0.6W
5. 0.6D + 0.6W
6. 1.05D + 0.75L + 0.75S + 0.525E
7. 1.04D + 0.7E
8. 0.56D + 0.7E

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VITEMA

Wind Retrofit & Safe Room

St. Croix, US Virgin Islands

LOADING CRITERIA

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| | | |

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CHECKED BY: Checker

DATE: 08/18/22

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470-20-02

SHEET NUMBER

S002

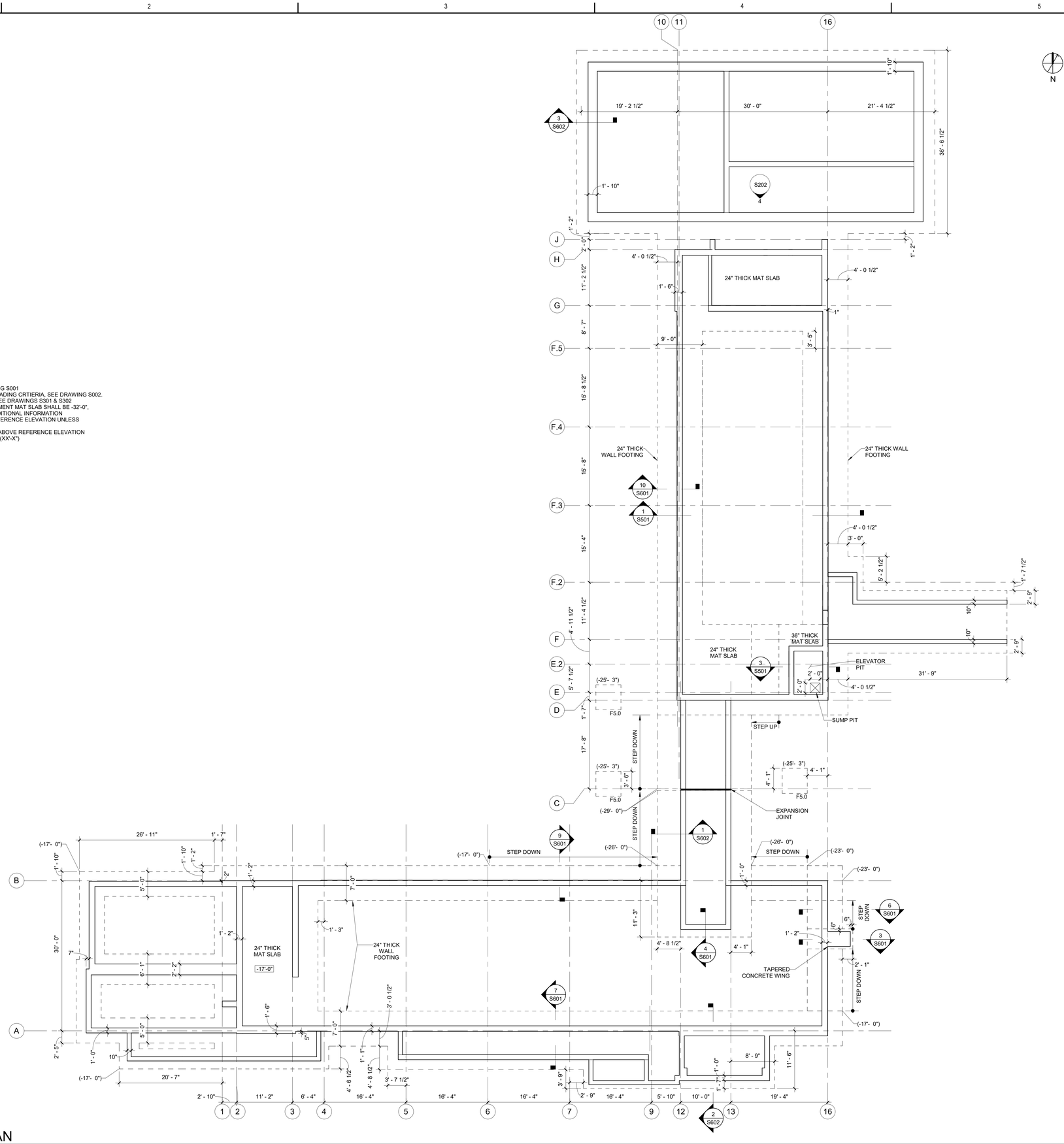
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**FOUNDATION PLAN NOTES:**

1. FOR GENERAL NOTES, SEE DRAWING S001
2. FOR LEGEND, ABBREVIATIONS & LOADING CRTIERIA, SEE DRAWING S002.
3. FOR TYPICAL CONCRETE DETAIL, SEE DRAWINGS S301 & S302
4. REFERENCE ELEVATION FOR BASEMENT MAT SLAB SHALL BE -32'-0", REFER TO DRAWING S-104 FOR ADDITIONAL INFORMATION
5. TOP OF MAT SLAB SHALL BE AT REFERENCE ELEVATION UNLESS OTHERWISE NOTED THUS: [ ]
6. TOP OF FOOTINGS SHALL BE 14'-0" ABOVE REFERENCE ELEVATION UNLESS OTHERWISE NOTED THUS: (XX'-X")




## 1 FOUNDATION PLAN
Scale: 1/8" = 1'-0"

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GOVERNMENT OF THE UNITED STATES VIRGIN ISLANDS

OFFICE OF DISASTER RECOVERY — ST. CROIX, VIRGIN ISLANDS

VIRGIN ISLANDS TERRITORIAL EMERGENCY MANAGEMENT AGENCY

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St. Croix, US Virgin Islands

FOUNDATION PLAN

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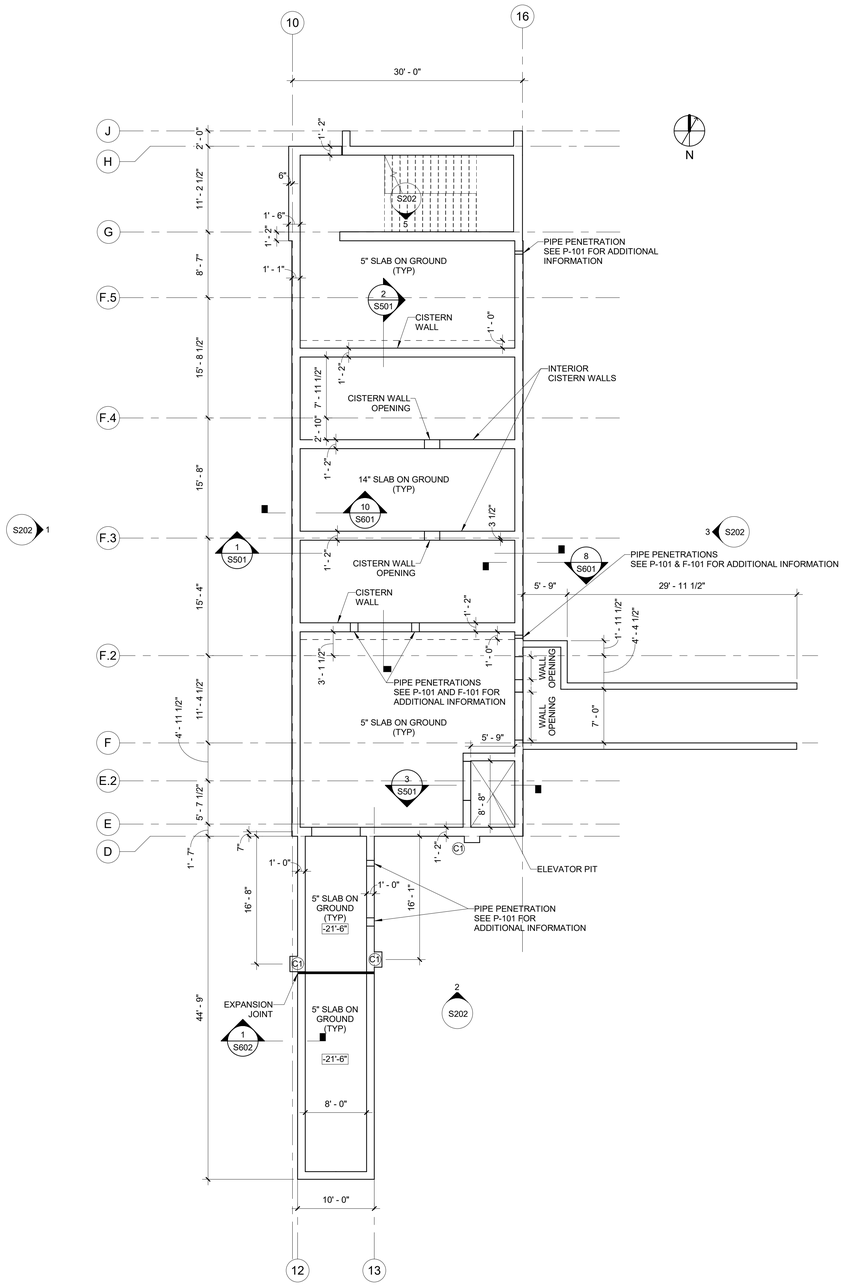
S101

SCHEMATIC DESIGN

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**BASEMENT LEVEL NOTES:**

1. FOR GENERAL NOTES SEE DRAWING S001
2. FOR ABBREVIATIONS AND LOADING CRITERIA SEE DRAWING S002
3. FOR TYPICAL DETAILS SEE DRAWINGS S301 THROUGH S304
4. REFERENCE ELEVATION FOR BASEMENT SLAB SHALL BE -28'-0", REFER TO DRAWING S-104 FOR ADDITIONAL INFORMATION.
5. TOP OF SLAB SHALL BE AT REFERENCE ELEVATION UNLESS OTHERWISE NOTED THUS: [ ]
6. REFER TO SLAB SCHEDULE AND TYPICAL DETAILS FOR SLAB REINFORCING.
7. NORTH MECHANICAL YARD NOT SHOWN FOR CLARITY.




1 BASEMENT LEVEL PLAN
Scale: 1/8" = 1'-0"

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St. Croix, US Virgin Islands

BASEMENT LEVEL PLAN

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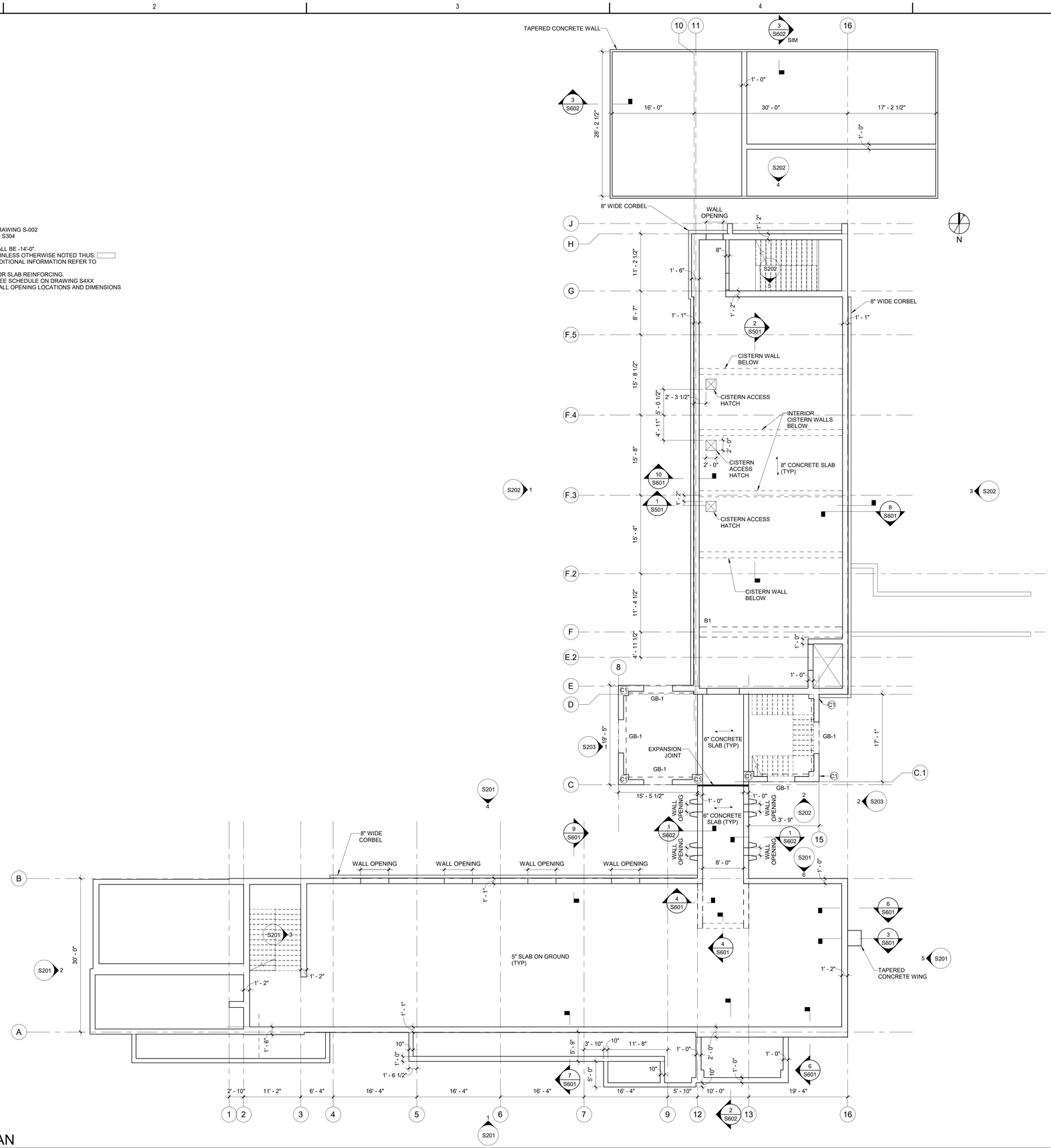
SHEET NUMBER
S102

SCHEMATIC DESIGN

NOT FOR CONSTRUCTION

**STRUCTURAL FRAMING NOTES:**

1. FOR GENERAL NOTES SEE DRAWING S001
2. FOR ABBREVIATIONS AND LOADING CRITERIA SEE DRAWING S-002
3. FOR TYPICAL DETAILS SEE DRAWINGS S301 THOUGH S304
4. FOR COLUMN SCHEDULE SEE DRAWING S4XX
5. REFERENCE ELEVATION FOR FIRST FLOOR SLAB SHALL BE -14'-0".
6. TOP OF SLAB SHALL BE AT REFERENCE ELEVATION UNLESS OTHERWISE NOTED THUS: [ ]
7. CONCRETE BEAMS ARE DENOTED THUS: BX. FOR ADDITIONAL INFORMATION REFER TO CONCRETE BEAM SCHEDULE AND TYPICAL DETAILS
8. REFER TO SLAB SCHEDULE AND TYPICAL DETAILS FOR SLAB REINFORCING.
9. CONCRETE GRADE BEAMS INDICATED THUS: GB-X. SEE SCHEDULE ON DRAWING S4XX
10. SEE WALL ELEVATIONS ON S201,S202 & S203 FOR WALL OPENING LOCATIONS AND DIMENSIONS




## 1 FIRST FLOOR PLAN

Scale: 1/8" = 1'-0"

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St. Croix, US Virgin Islands

FIRST FLOOR PLAN

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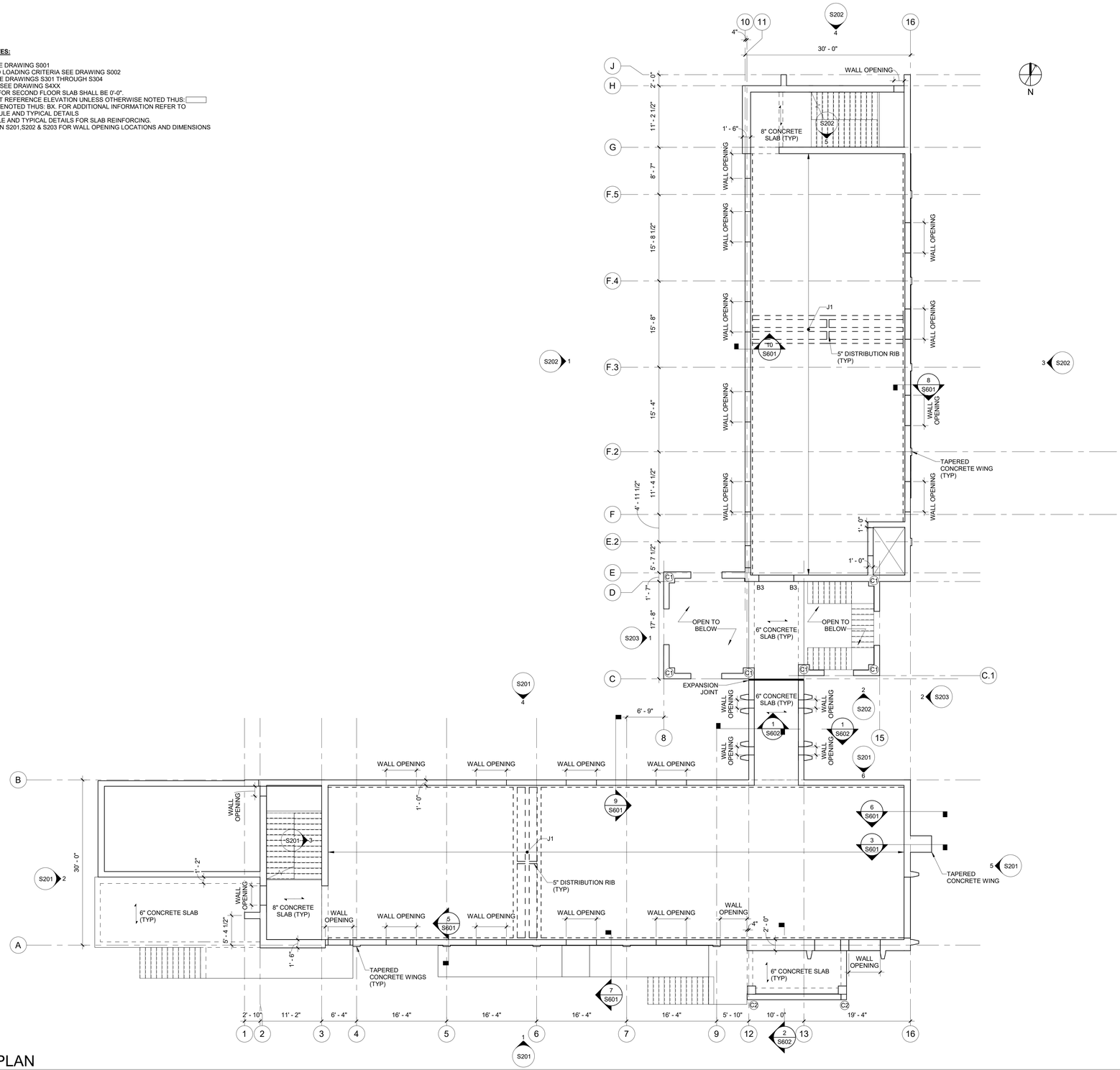
S103

NOT FOR CONSTRUCTION

SCHEMATIC DESIGN

**STRUCTURAL FRAMING NOTES:**

1. FOR GENERAL NOTES SEE DRAWING S001
2. FOR ABBREVIATIONS AND LOADING CRITERIA SEE DRAWING S002
3. FOR TYPICAL DETAILS SEE DRAWINGS S301 THROUGH S304
4. FOR COLUMN SCHEDULE SEE DRAWING S4XX
5. REFERENCE ELEVATION FOR SECOND FLOOR SLAB SHALL BE 0'-0".
6. TOP OF SLAB SHALL BE AT REFERENCE ELEVATION UNLESS OTHERWISE NOTED THUS: (0)
7. CONCRETE BEAMS ARE DENOTED THUS: BX. FOR ADDITIONAL INFORMATION REFER TO CONCRETE BEAM SCHEDULE AND TYPICAL DETAILS
8. REFER TO SLAB SCHEDULE AND TYPICAL DETAILS FOR SLAB REINFORCING.
9. SEE WALL ELEVATIONS ON S201,S202 & S203 FOR WALL OPENING LOCATIONS AND DIMENSIONS




## 1 SECOND FLOOR PLAN

Scale: 1/8" = 1'-0"

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SECOND FLOOR PLAN

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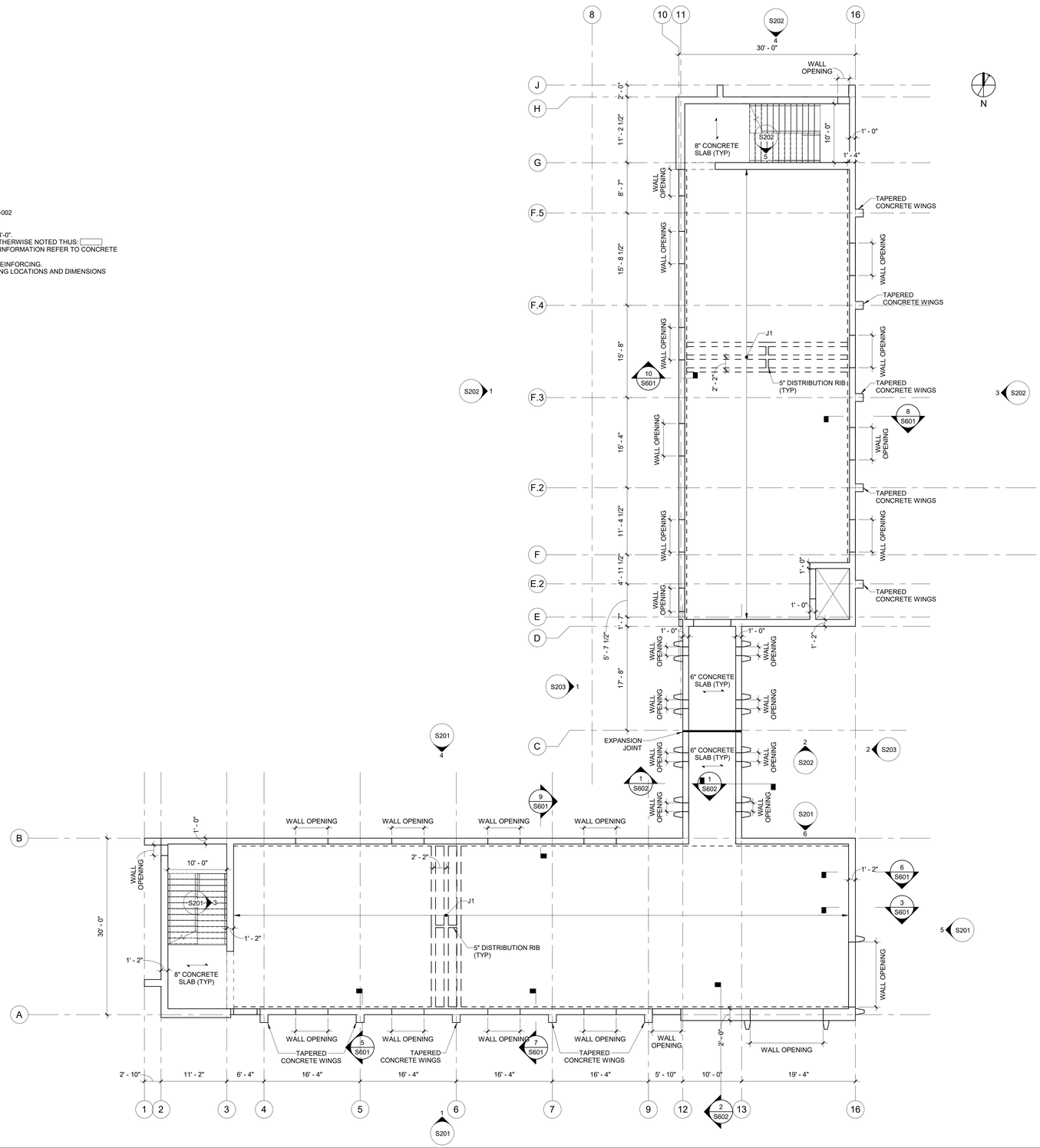
SHEET NUMBER
S104

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SCHEMATIC DESIGN

**STRUCTURAL FRAMING NOTES:**

1. FOR GENERAL NOTES SEE DRAWING S001
2. FOR ABBREVIATIONS AND LOADING CRITERIA SEE DRAWING S-002
3. FOR TYPICAL DETAILS SEE DRAWINGS S301 THROUGH S304
4. FOR COLUMN SCHEDULE SEE DRAWING S4XX
5. REFERENCE ELEVATION FOR THIRD FLOOR SLAB SHALL BE +14'-0".
6. TOP OF SLAB SHALL BE AT REFERENCE ELEVATION UNLESS OTHERWISE NOTED THUS: ▭
7. CONCRETE BEAMS ARE DENOTED THUS: BX. FOR ADDITIONAL INFORMATION REFER TO CONCRETE BEAM SCHEDULE AND TYPICAL DETAILS
8. REFER TO SLAB SCHEDULE AND TYPICAL DETAILS FOR SLAB REINFORCING.
9. SEE WALL ELEVATIONS ON S201,S202 & S203 FOR WALL OPENING LOCATIONS AND DIMENSIONS




1 THIRD FLOOR PLAN
Scale: 1/8" = 1'-0"

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THIRD FLOOR PLAN

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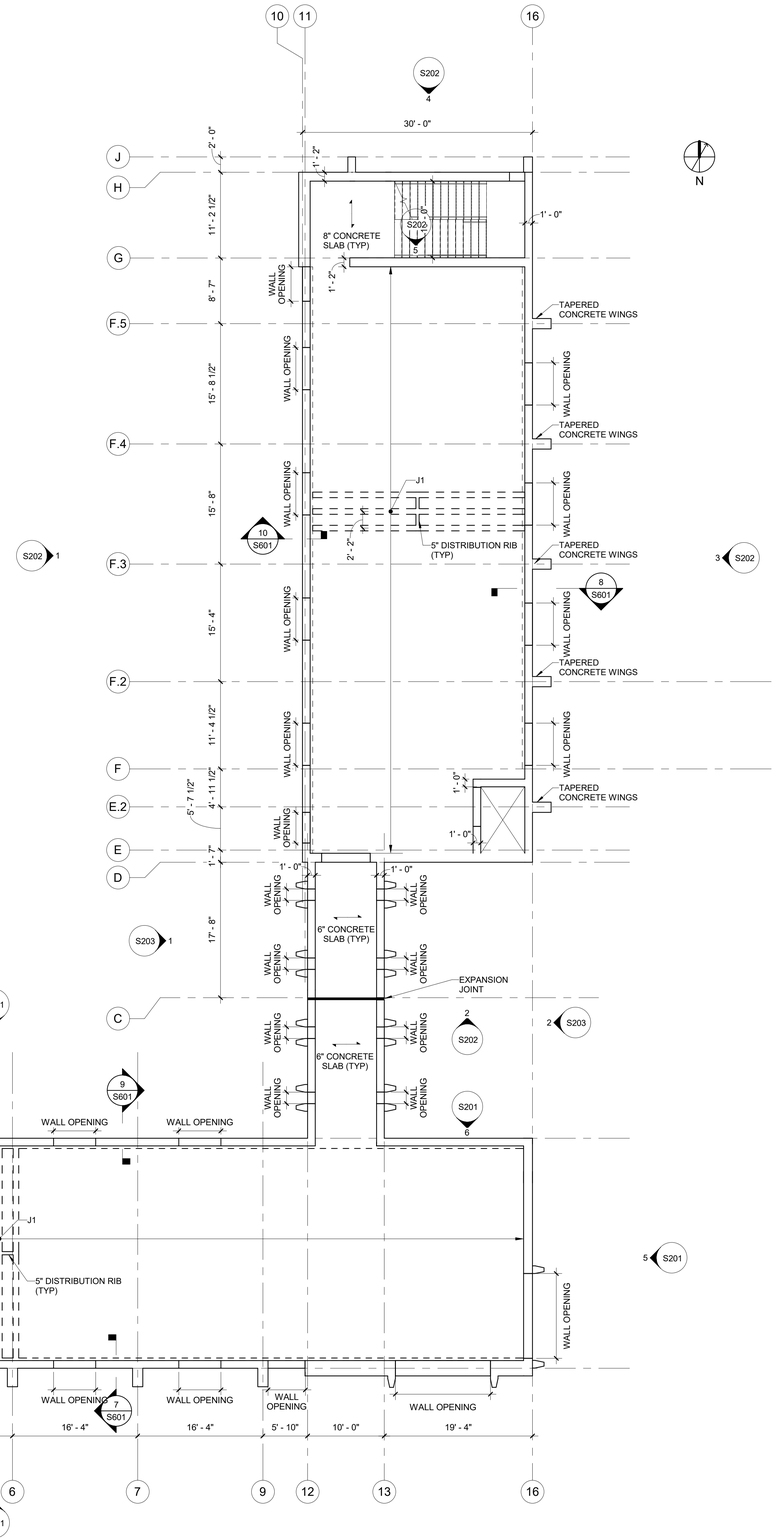
S105

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SCHEMATIC DESIGN

**STRUCTURAL FRAMING NOTES:**

1. FOR GENERAL NOTES SEE DRAWING S001
2. FOR ABBREVIATIONS AND LOADING CRITERIA SEE DRAWING S-002
3. FOR TYPICAL DETAILS SEE DRAWINGS S301 THROUGH S304
4. FOR COLUMN SCHEDULE SEE DRAWING S4XX
5. REFERENCE ELEVATION FOR FOURTH FLOOR SLAB SHALL BE +28'-0".
6. TOP OF SLAB SHALL BE AT REFERENCE ELEVATION UNLESS OTHERWISE NOTED THUS: ▭
7. CONCRETE BEAMS ARE DENOTED THUS: BX. FOR ADDITIONAL INFORMATION REFER TO CONCRETE BEAM SCHEDULE AND TYPICAL DETAILS
8. REFER TO SLAB SCHEDULE AND TYPICAL DETAILS FOR SLAB REINFORCING.
9. SEE WALL ELEVATIONS ON S201,S202 & S203 FOR WALL OPENING LOCATIONS AND DIMENSIONS




1 FOURTH FLOOR PLAN
Scale: 1/8" = 1'-0"

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FOURTH FLOOR PLAN

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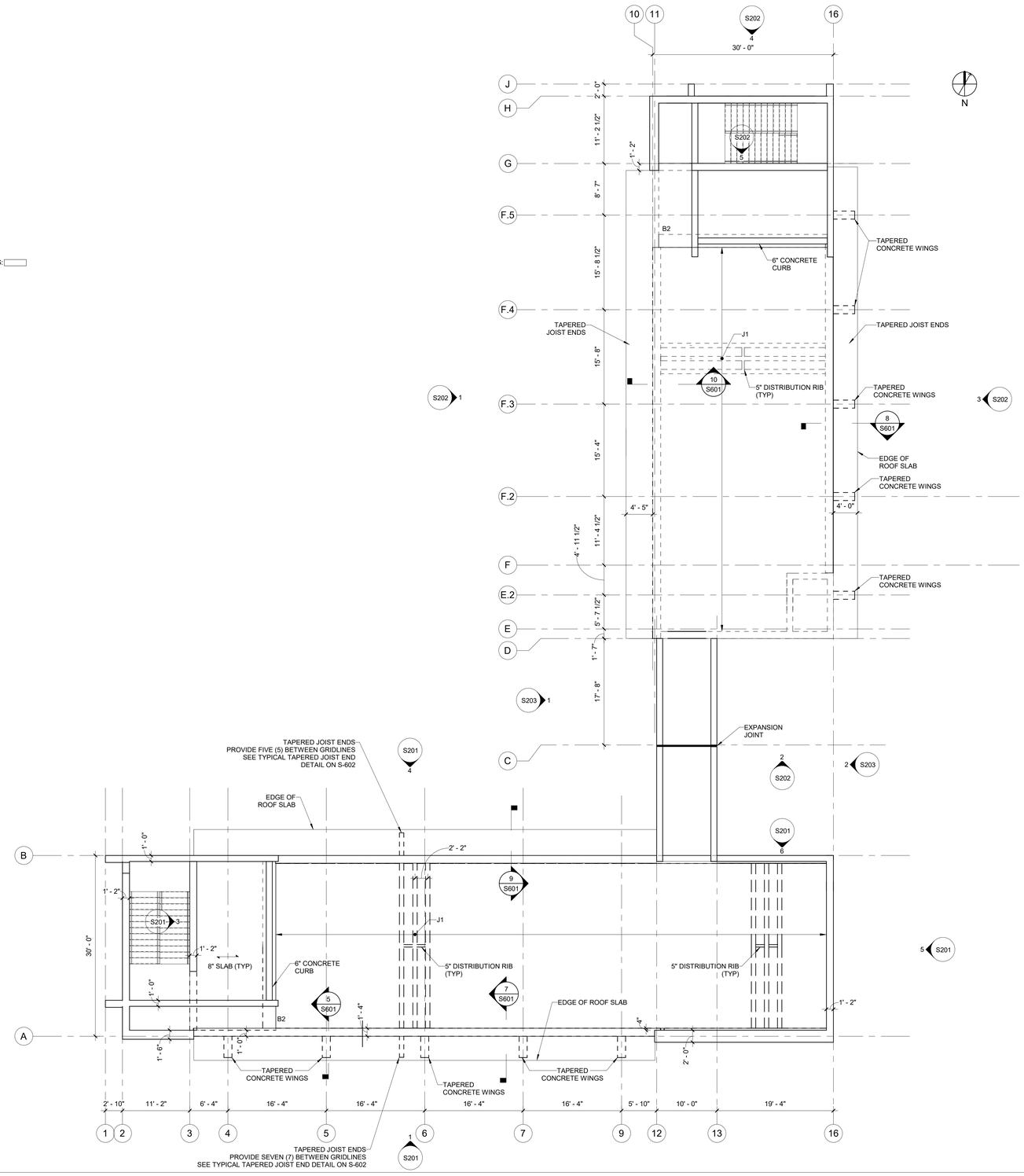
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**STRUCTURAL FRAMING NOTES:**

1. FOR GENERAL NOTES SEE DRAWING S001
2. FOR ABBREVIATIONS AND LOADING CRITERIA SEE DRAWING S002
3. FOR TYPICAL DETAILS SEE DRAWINGS S301 THOUGH S304
4. FOR COLUMN SCHEDULE SEE DRAWING S4XX
5. REFERENCE ELEVATION FOR ROOF SLAB SHALL BE +42'-0".
6. TOP OF SLAB SHALL BE AT REFERENCE ELEVATION UNLESS OTHERWISE NOTED THUS: [ ]
7. INFORMATION REFER TO CONCRETE BEAM SCHEDULE AND TYPICAL DETAILS
8. REFER TO SLAB SCHEDULE AND TYPICAL DETAILS FOR SLAB REINFORCING.




## 1 ROOF LEVEL PLAN

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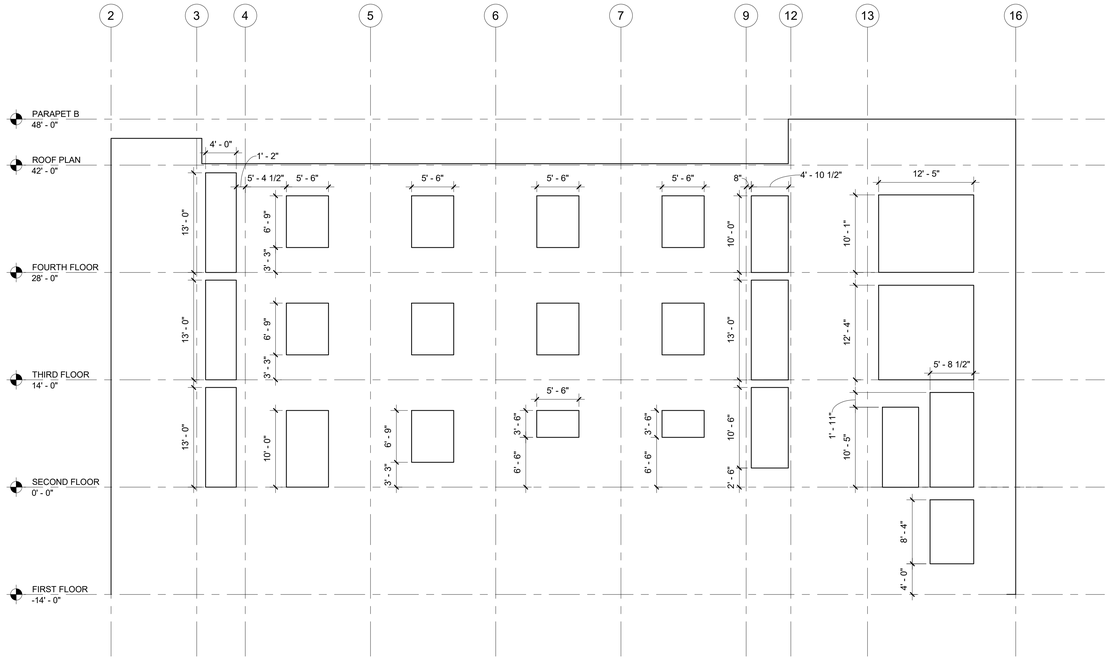
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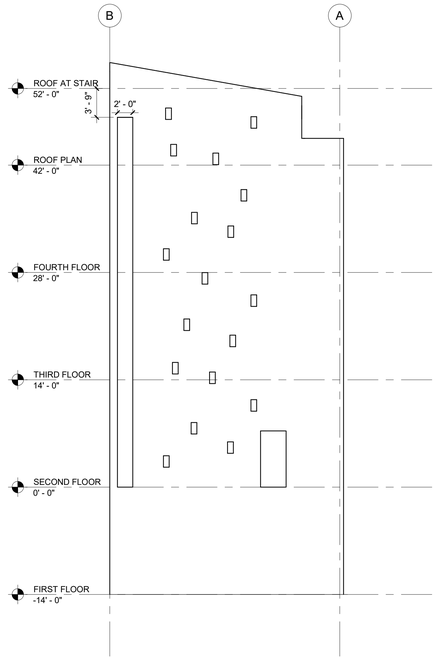
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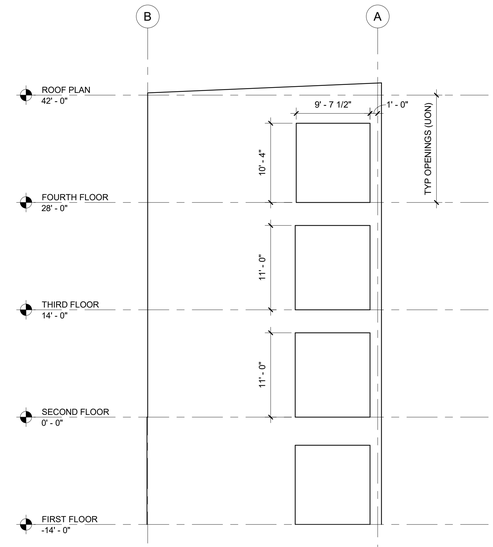
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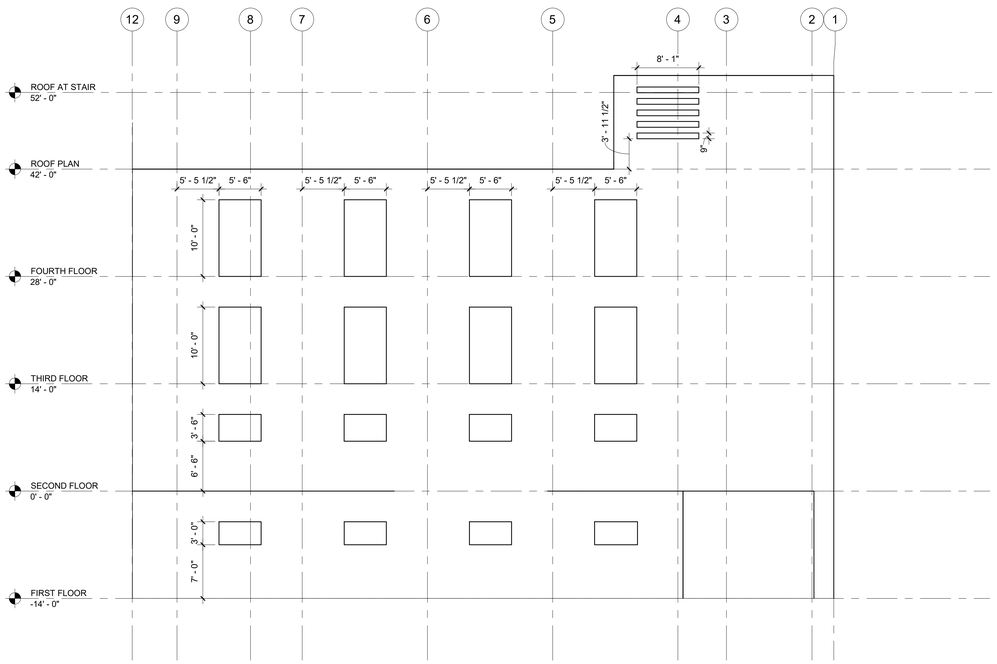

1 WALL 1
Scale: 1/8" = 1'-0"



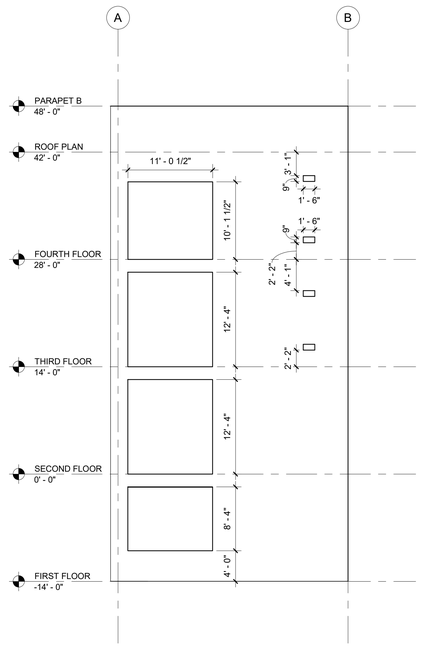

2 WALL 2
Scale: 1/8" = 1'-0"



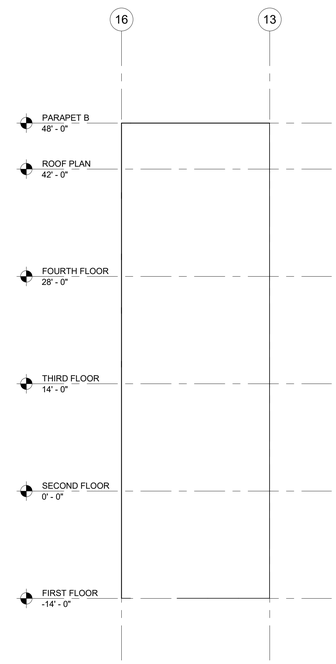

3 WALL 3
Scale: 1/8" = 1'-0"




4 WALL 4
Scale: 1/8" = 1'-0"




5 WALL 5
Scale: 1/8" = 1'-0"




6 WALL 6
Scale: 1/8" = 1'-0"

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Wind Retrofit & Safe Room
St. Croix, US Virgin Islands

WALL ELEVATIONS SOUTH TOWER

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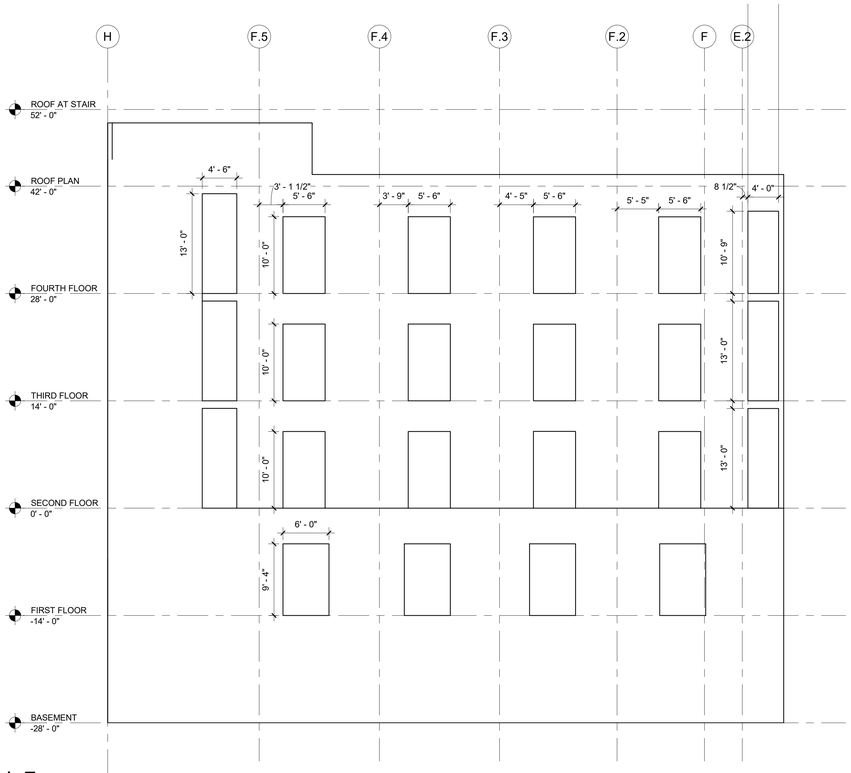
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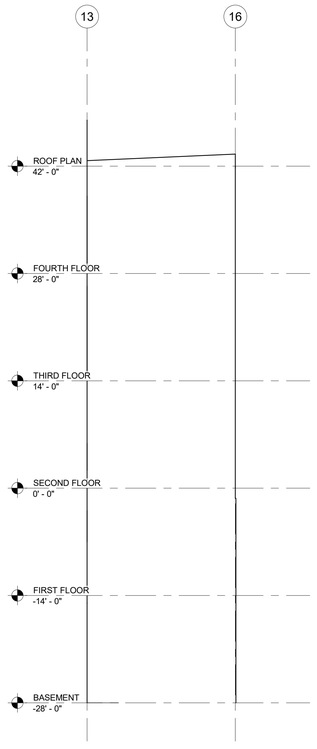
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470-20-02

SHEET NUMBER
S201

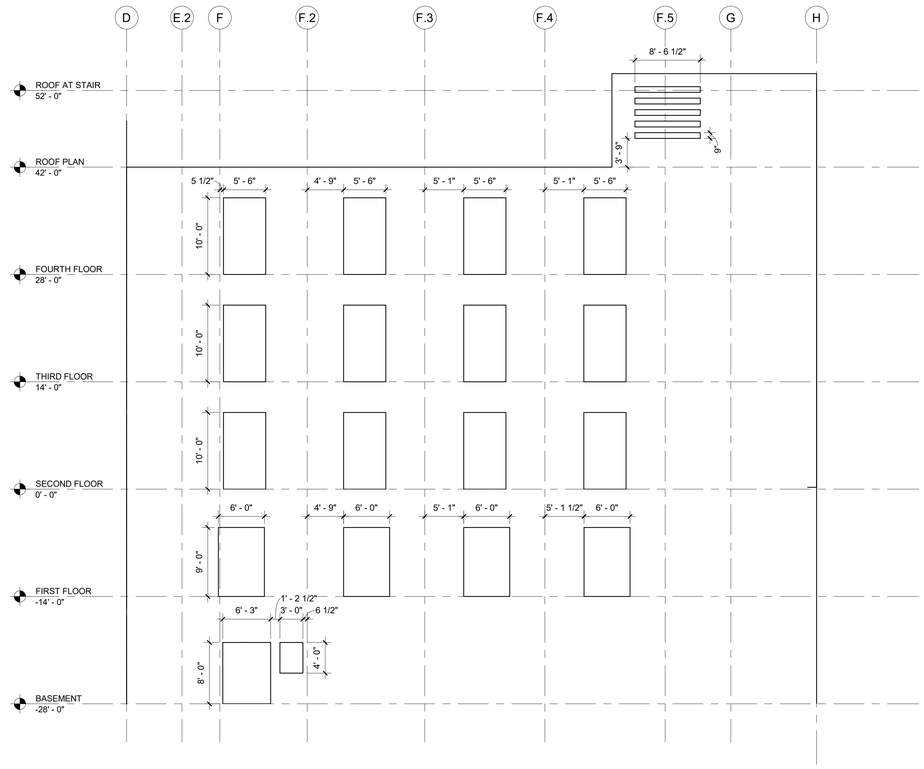
SCHEMATIC DESIGN



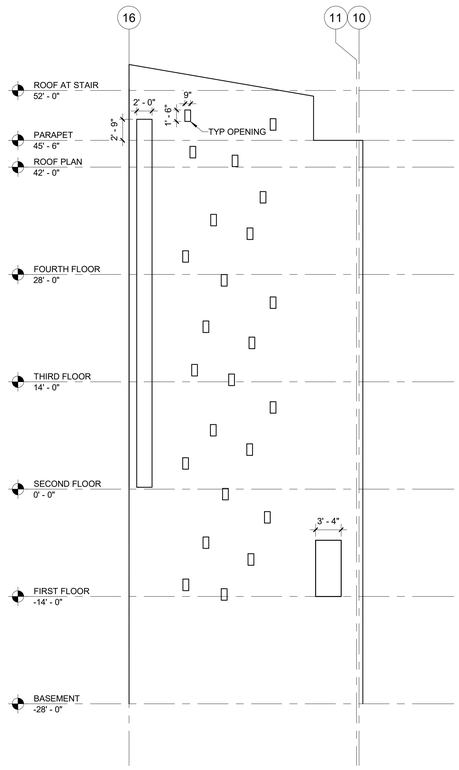

1 WALL 7
Scale: 1/8" = 1'-0"



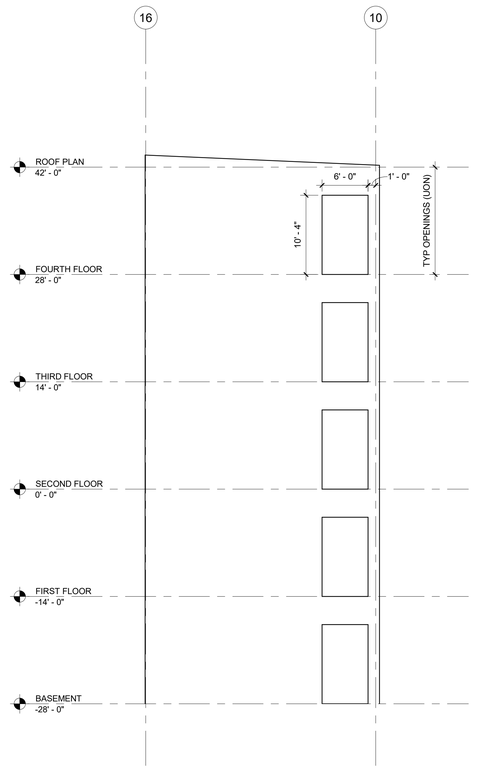

2 WALL 8
Scale: 1/8" = 1'-0"




3 WALL 9
Scale: 1/8" = 1'-0"




4 WALL 10
Scale: 1/8" = 1'-0"




5 WALL 11
Scale: 1/8" = 1'-0"

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SUBMISSIONS:

| Ref | Description | Date |
|---|---|---|
| A | Schematic | 03/04/2022 |
| B | 30% CDs | 08/18/2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA
Wind Retrofit & Safe Room
St. Croix, US Virgin Islands

WALL ELEVATIONS NORTH TOWER

REVISIONS:

| No. | Description | Date |
|---|---|---|

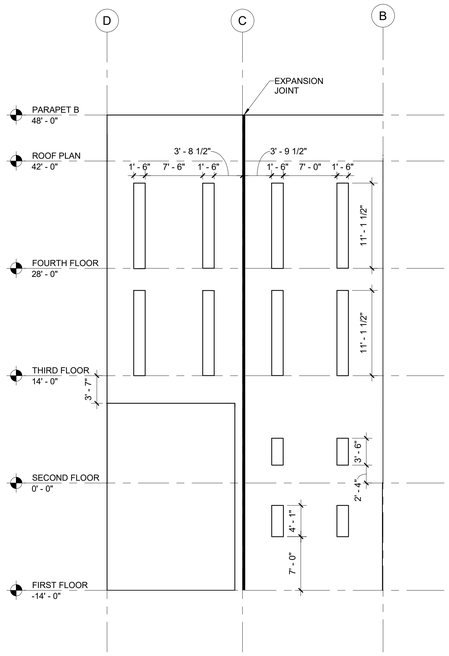
DRAWN BY: J. LINFIELD
CHECKED BY: Checker
DATE: 08/18/22

NOVUS JOB NUMBER
470-20-02

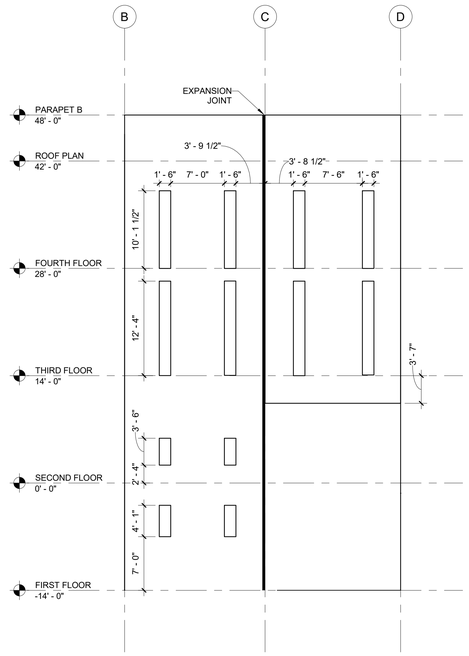
SHEET NUMBER
S202

SCHEMATIC DESIGN

NOT FOR CONSTRUCTION




1 WALL 12
Scale: 1/8" = 1'-0"




2 WALL 13
Scale: 1/8" = 1'-0"

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| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

St. Croix, US Virgin Islands

WALL ELEVATIONS CONNECTING CORRIDOR

REVISIONS:

| No. | Description | Date |
|---|---|---|

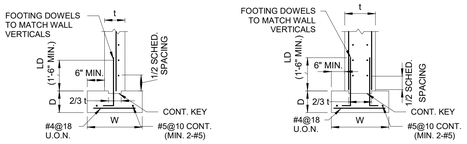
DRAWN BY: J. LINFIELD
CHECKED BY: Checker
DATE: 08/18/22

NOVUS JOB NUMBER
470-20-02

SHEET NUMBER
S203

SCHEMATIC DESIGN

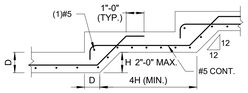
NOT FOR CONSTRUCTION




SECTION
SINGLE LAYER WALL REINF.




SECTION
DOUBLE LAYER WALL REINF.



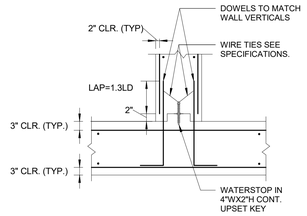

STEPPED WALL FOOTING

**NOTES:**

1. FOOTING DIMENSIONS MAY BE GIVEN IN PLANS OR SECTIONS.
2. ELEVATIONS SHOWN IN PLANS OR DETAILS ARE TOP OF FOOTING ELEVATIONS. BOTTOM OF FOOTING SHALL BE LOWERED WHEN ACTUAL SOIL BEARING CAPACITY REQUIRES A LOWER ELEVATION.
3. WALL AND FOOTING CENTERLINES SHALL COINCIDE, UNLESS OTHERWISE SHOWN IN PLANS OR DETAILS.
4. USE TYPE 1.3LD SPLICE FOR LONGITUDINAL FOOTING REINFORCEMENT.

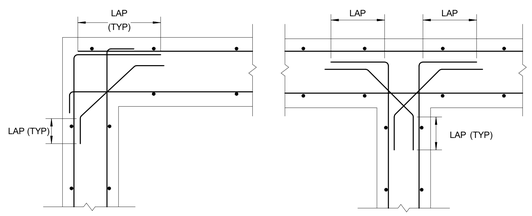
## 1 TYPICAL WALL FOOTING DETAIL

Scale: 1/2" = 1'-0"




## 3 TYPICAL TANK WALL/BASE INTERFACE

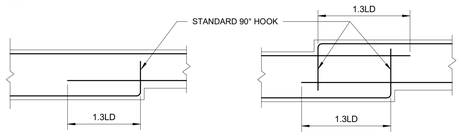
Scale: 3/4" = 1'-0"



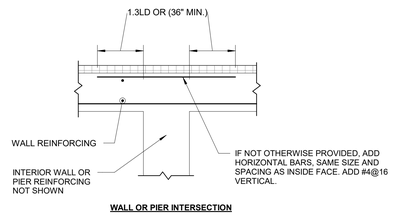

**NOTE:** ALL LAP LENGTHS = 1.3LD

## 4 TYPICAL LIQUID RETAINING TANK WALL DETAIL

Scale: 3/4" = 1'-0"




**CHANGE IN WALL THICKNESS** **WALL OFFSET**




**WALL OR PIER INTERSECTION**

## 6 TYPICAL WALL DETAILS

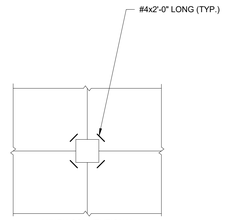
Scale: 3/4" = 1'-0"

| SLAB THICKNESS (t) | *SCHEDULE OF SLAB REINFORCING |
|---|---|
| | WWF |
| 4" | 6x6-W2.9xW2.9 |
| 5" | 6x6-W4xW4 |
| 6" | 6x6-W4.5xW4.5 |
| 7" | 6x6-W5xW5 |
| 8" | 6x6-W6xW6 |
| 9" | 6x6-W6.5xW6.5 |

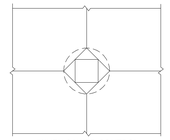
*FOR 30 FEET PANEL IN LONG DIRECTION.

**NOTES:**

1. ALL SLAB-ON-GRADE SHALL BE POURED IN AN ALTERNATING STRIP SYSTEM TO ALLOW PROPER SHRINKAGE. POUR PANELS TO BE BOUNDED BY CONTROL JOINTS (OR EXPANSION JOINTS) AS SHOWN IN PLANS.
2. CONTRACTOR MAY USE SAWED CONTROL JOINTS, SUBJECT TO APPROVAL. (THE USE OF SAWED CONTROL JOINTS IN EXPOSED CONSTRUCTION IS PROHIBITED)
3. SPLICE OF WWF SHALL BE NOT LESS THAN DISTANCE BETWEEN TWO OUTERMOST CROSS WIRES OF EACH FABRIC SHEET PLUS 2"




(WHEN CONVENTIONAL CONTROL JOINT IS USED)



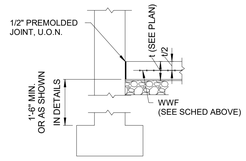
(WHEN SAWED CONTROL JOINT IS USED)

ISOLATION JOINT (PROVIDE 1/2" PREMOLDED JOINT FILLER ONLY WHEN CALLED FOR)

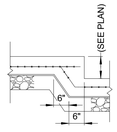
CONCRETE-FILL AROUND COLUMN AFTER FLOOR IS CAST

CIRCULAR SHAPE OPTIONAL

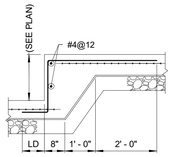
ISOLATION JOINT AT COLUMN



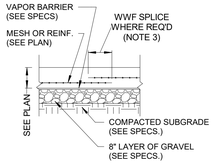

WALL FOOTING



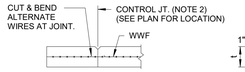

AT DEPRESSIONS 8" OR LESS



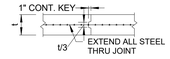

AT DEPRESSIONS GREATER THAN 8"



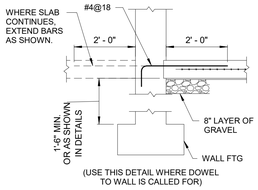

TYPICAL



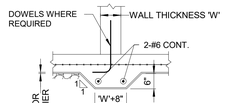

CONTROL JOINT



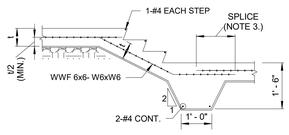

CONSTRUCTION JOINT



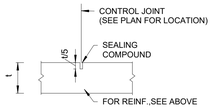

WALL FOOTING



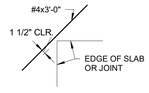

SLABS UNDER NON-BEARING MASONRY WALLS




STEPS



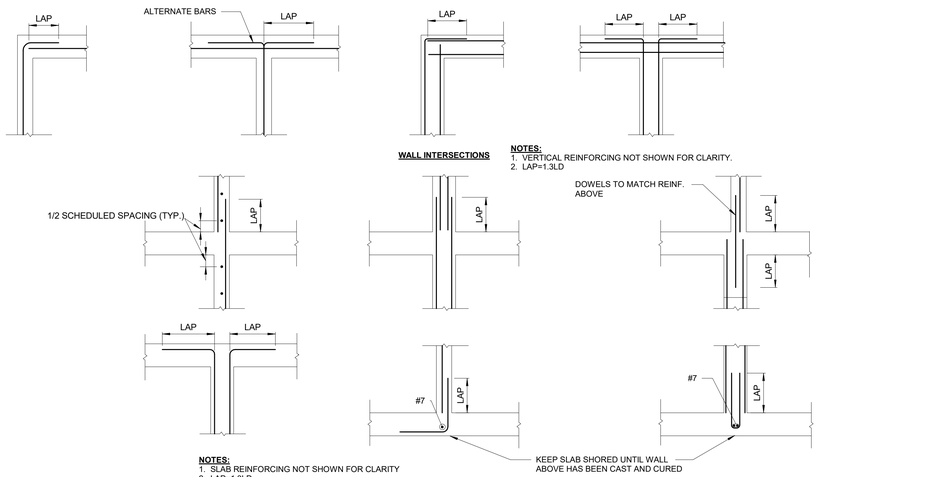

SAWED CONTROL JOINT (NOTE 2.)




RE-ENTRANT JOINTS AND CORNERS

## 2 TYPICAL SLAB-ON-GROUND DETAIL

Scale: 1/2" = 1'-0"



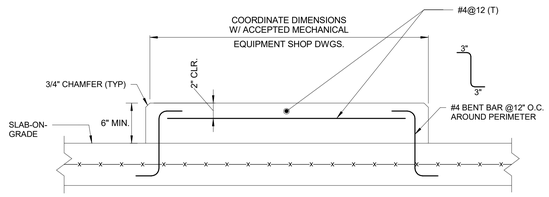

**WALL INTERSECTIONS**

**NOTES:**
1. VERTICAL REINFORCING NOT SHOWN FOR CLARITY.
2. LAP=1.3LD

**NOTES:**
1. SLAB REINFORCING NOT SHOWN FOR CLARITY
2. LAP=1.3LD

## 5 SLAB AND WALL INTERSECTIONS

Scale: 3/8" = 1'-0"




## 7 TYPICAL HOUSEKEEPING PAD DETAIL

Scale: 1 1/2" = 1'-0"

| MINIMUM WALL REINFORCEMENT SCHEDULE | | | |
|---|---|---|---|
| UNLESS OTHERWISE NOTED OR SHOWN, ALL WALLS ARE TO BE REINFORCED (AS A MINIMUM) ACCORDING TO THIS TABLE | | | |
| WALL THICKNESS | HORIZONTAL REINF | VERTICAL REINF | LOCATION |
| 6" - 8" | #4@12 | #4@12 | WALL CENTER |
| OVER 8"-10" | #4@10 | #4@12 | WALL CENTER |
| OVER 10"-12" | #4@16 | #4@18 | EACH FACE |
| OVER 12"-14" | #4@12 | #4@16 | EACH FACE |
| OVER 14"-16" | #4@12 | #4@16 | EACH FACE |
| OVER 16"-18" | #5@16 | #5@18 | EACH FACE |

NOTES:
1. VERTICAL REINFORCEMENT SHALL BE CONTINUOUS FROM STRUCTURAL LEVEL TO STRUCTURAL LEVEL, UNLESS OTHERWISE NOTED.
2. HORIZONTAL REINFORCEMENT SPACING START AND END WITH NOT MORE THAN 1/2 SCHEDULED SPACING

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| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

St. Croix, US Virgin Islands

TYPICAL CONCRETE DETAILS (1 OF 3)

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: J. LINFIELD

CHECKED BY: Checker

DATE: 08/18/22

NOVUS JOB NUMBER

470-20-02

SHEET NUMBER

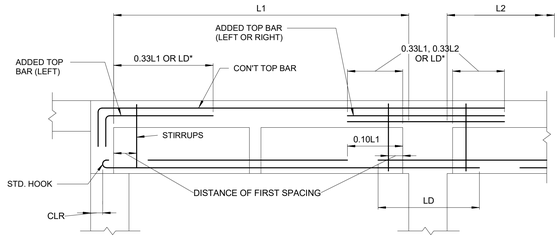
S301

SCHEMATIC DESIGN

NOT FOR CONSTRUCTION

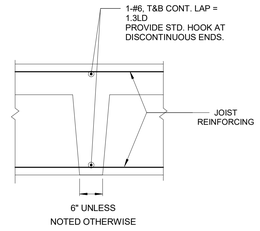
| SLAB REINFORCING SCHEDULE | | |
|---|---|---|
| T | WWF OR REBARS | |
| 4 1/2" | 4X12 W3.5XW3.0 | #3 @12 |
| PLACE REBARS OR WWF WIRES WITH SMALLER SPACING PERPENDICULAR TO JOISTS. | | |

| JOIST REINFORCING SCHEDULE | | |
|---|---|---|
| TYPE | W | D |
| J1 | 6" | 20 1/2" |

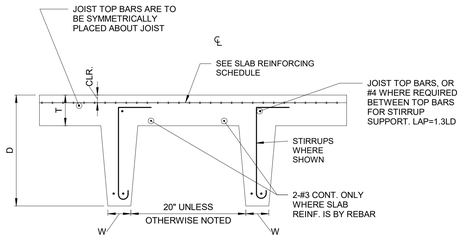



TYPICAL REINFORCING DETAIL

*WHICHEVER IS GREATER




BRIDGING DETAIL



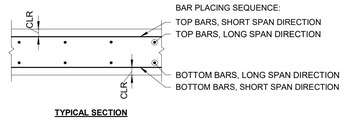

TYPICAL SECTION

**NOTES:**

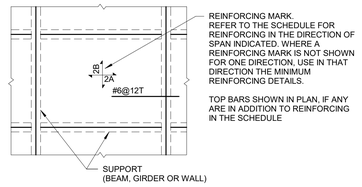
1. THE TERMINATION END OF A JOIST WHERE THE SLAB CONTINUES BEYOND AND WHERE THE SLAB IS AT LEAST 4" THICK, EXTEND ALL TOP BARS AT THAT END OF THE JOIST INTO THE SLAB FOR A DISTANCE OF LD BEYOND THE OUTSIDE FACE OF SUPPORT. WHERE JOIST CANTILEVERS BEYOND THE SUPPORT, EXTEND ALL TOP AND BOTTOM BARS TO THE END OF CANTILEVER, AND TERMINATE TOP BARS WITH STANDARD HOOK.
2. THE NUMBER OF REQUIRED VERTICAL LEGS PER STIRRUP IS INDICATED IN THE SCHEDULE. DEVELOPMENT OF STIRRUPS SHALL BE IN ACCORDANCE WITH ACI 318-11 SECTION 12.13 OR ACI 318-14 SECTION 25.7. PLACE FIRST STIRRUP EQUAL TO 1/2 THE SCHEDULED FIRST SPACING OR 3", WHICHEVER IS LESS.
3. AT THE CONTRACTOR'S OPTION, AND WHERE REQUIRED TO RELIEVE BAR CONGESTION, NOT MORE THAN 50% OF THE BOTTOM BARS MAY BE TERMINATED AT THE SPECIFIED DISTANCE FROM THE FACE OF SUPPORT.
4. SCHEDULED JOIST WIDTHS ARE MINIMUM. JOIST MAY BE PADDED IN WIDTH TO FACILITATE PLAN LAYOUT.

## 1 TYPICAL CONRETE JOIST DETAILS

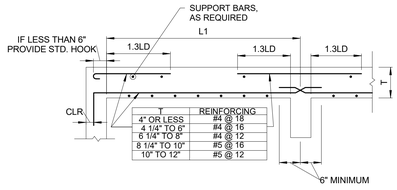
Scale: 3/4" = 1'-0"




TYPICAL SECTION

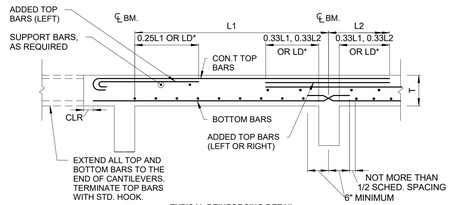



PLAN




| T | REINFORCING |
|---|---|
| 4" OR LESS | #4 @ 18 |
| 4 1/4" TO 6" | #4 @ 16 |
| 6 1/4" TO 8" | #4 @ 12 |
| 8 1/4" TO 10" | #5 @ 16 |
| 10" TO 12" | #5 @ 12 |

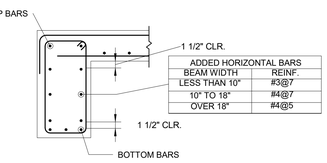
MINIMUM REINFORCING DETAIL




TYPICAL REINFORCING DETAIL
*WHICHEVER IS GREATER

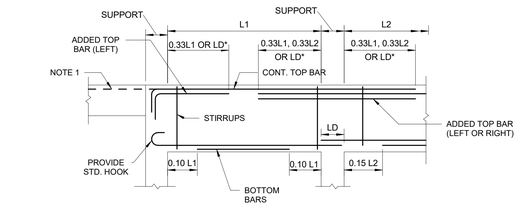
## 2 TYPICAL ONE WAY SLAB DETAIL

Scale: 1/2" = 1'-0"

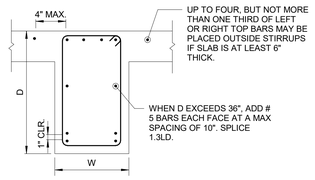



| ADDED HORIZONTAL BARS | |
|---|---|
| BEAM WIDTH | REINF. |
| LESS THAN 10" | #3@7 |
| 10" TO 18" | #4@7 |
| OVER 18" | #4@5 |

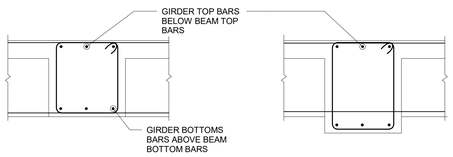
TYPICAL SPANDREL BEAM




*WHICHEVER IS GREATER




TYPICAL SECTION




BEAM AND GIRDER OF EQUAL DEPTH

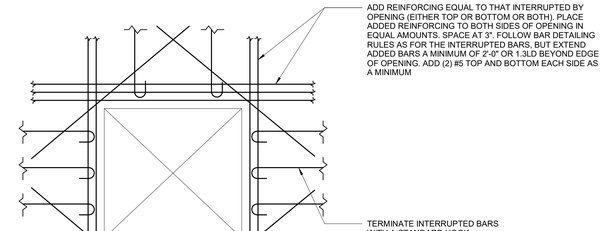
BEAM AND GIRDER OF UNEQUAL DEPTH

**NOTES:**

1. BEYOND A TERMINATING BEAM, WHERE ADJACENT SLAB IS AT LEAST 5" THICK, EXTEND ALL TOP BARS INTO THE SLAB FOR A DISTANCE OF LD BEYOND THE OUTSIDE FACE OF SUPPORT. WHERE BEAM CANTILEVERS BEYOND SUPPORT, EXTEND ALL TOP AND BOTTOM BARS TO THE END OF THE CANTILEVER AND TERMINATE TOP BARS WITH A STANDARD HOOK.
2. THE NUMBER OF REQUIRED VERTICAL LEGS PER STIRRUP IS INDICATED IN THE SCHEDULE. CLOSED STIRRUPS ARE REQUIRED FOR BEAMS WITH CONTINUOUS TOP BARS OR FOR EDGE BEAMS (SPANDRELS). DEVELOPMENT OF STIRRUPS SHALL BE IN ACCORDANCE WITH ACI 318-11 SECTION 12.13 OR ACI 318-14 SECTION 25.7. PLACE FIRST STIRRUP AT A DISTANCE FROM THE FACE OF SUPPORT EQUAL TO 1/2 OF THE SCHEDULED FIRST SPACING OR 3", WHICHEVER IS LESS.
3. AT THE CONTACTOR'S OPTION, AND WHERE REQUIRED TO RELIEVE BAR CONGESTION, AND WHERE FOUR (4) OR MORE BOTTOM BARS ARE SPECIFIED, NOT MORE THAN 50% OF BOTTOM BARS MAY BE TERMINATED AT THE SPECIFIED DISTANCE FROM THE FACE OF THE SUPPORT.
4. CONTRACTOR SHALL DETAIL AND SHALL PLACE REINFORCING BARS IN MULTIPLE LAYERS ONLY WHERE REQUIRED TO PROVIDE PROPER CLEARANCES BETWEEN BARS AND OR TO PROPERLY CLEAR COLUMN VERTICALS.
5. WHERE CONTINUOUS TOP BARS EXCEED 60 FEET IN LENGTH, SPLICES MAY BE MADE AT MIDSPAN OF BEAM. WHERE BOTTOM BARS EXCEED 60 FEET IN LENGTH, SPLICES MAY BE MADE OUTSIDE OF MIDDLE THIRD OF BEAM. IN BOTH CASES, SPLICE LENGTH SHALL EQUAL 1.3 LD.
6. EDGE BEAMS (SPANDRELS) SHALL HAVE AT LEAST ONE-SIXTH OF THE TOP BARS AT THE SUPPORT AND ONE-QUARTER OF THE BOTTOM BARS AT THE MIDSPAN MADE CONTINUOUS AROUND THE PERIMETER AND TIED WITH CLOSED STIRRUPS.

## 3 CONCRETE BEAM TYPICAL DETAILS (NON PRESTRESSED)

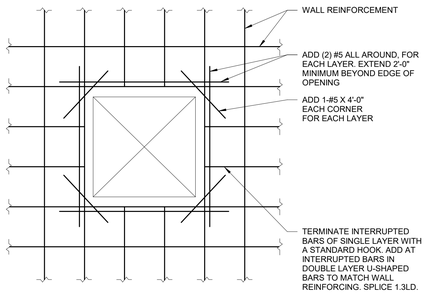
Scale: 1/2" = 1'-0"




**NOTE:**
WHERE OPENING DIMENSIONS IS 1'-0" OR LESS, REINFORCING BARS MAY BE SHIFTED TO CLEAR OPENING SO THAT SLAB REINFORCING IS NOT INTERRUPTED. FOR SUCH A CASE THE ADDED BARS CAN BE REDUCED TO (1) #5 TOP AND BOTTOM, EACH SIDE.

## 4 TYPICAL REINFORCING AT SLAB OPENING DETAIL

Scale: 3/4" = 1'-0"




| DEVELOPMENT LENGTHS | | | | | |
|---|---|---|---|---|---|
| BAR SIZE | NORMAL WEIGHT CONCRETE f'c = 4,000 PSI | | | | |
| | OTHER BAR | | TOP BAR | | |
| | CLASS A | CLASS B | CLASS A | CLASS B | Ldh |
| #3 | 18" | 20" | 20" | 26" | 8" |
| #4 | 19" | 25" | 25" | 33" | 10" |
| #5 | 24" | 32" | 32" | 42" | 12" |
| #6 | 29" | 38" | 38" | 50" | 15" |
| #7 | 42" | 55" | 55" | 72" | 17" |
| #8 | 48" | 63" | 63" | 82" | 19" |
| #9 | 54" | 71" | 71" | 92" | 22" |
| #10 | 61" | 80" | 80" | 104" | 25" |
| #11 | 67" | 88" | 88" | 115" | 27" |

NOTES:
1. DEVELOPMENT LENGTHS BASED ON REINFORCING STEEL HAVING CLEAR COVER NOT LESS THAN ONE BAR DIAMETER AND SPACING NOT LESS THEN TWO BAR DIAMETERS
2. CLASS A LAP LENGTH IS REQUAL TO THE DEVELOPMENT LENGTH DENOTED LD.
3. CLASS B LAP LENGTH IS EQUAL TO THE SPLICE LENGTH DENOTED 1.3LD

## 5 TYPICAL WALL OPENING REINFORCEMENT

Scale: 1/2" = 1'-0"

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| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA
Wind Retrofit & Safe Room
St. Croix, US Virgin Islands

TYPICAL CONCRETE DETAILS (2 OF 3)

REVISIONS:

| No. | Description | Date |
|---|---|---|
| | | |

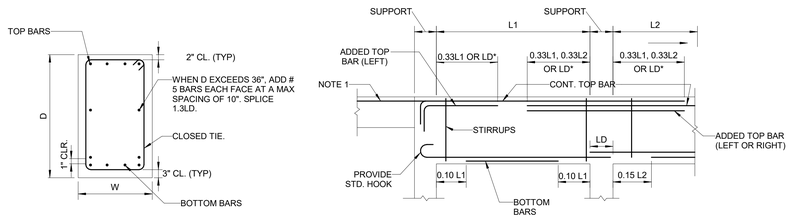
DRAWN BY: J. LINFIELD
CHECKED BY: Checker
DATE: 08/18/22

NOVUS JOB NUMBER
470-20-02

SHEET NUMBER
S302

NOT FOR CONSTRUCTION

SCHEMATIC DESIGN




TYPICAL SECTION




*WHICHEVER IS GREATER

**NOTES:**

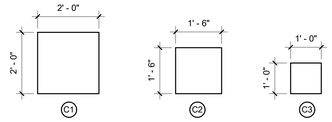
1. BEYOND A TERMINATING BEAM, WHERE ADJACENT SLAB IS AT LEAST 5" THICK, EXTEND ALL TOP BARS INTO THE SLAB FOR A DISTANCE OF LD BEYOND THE OUTSIDE FACE OF SUPPORT. WHERE BEAM CANTILEVERS BEYOND SUPPORT, EXTEND ALL TOP AND BOTTOM BARS TO THE END OF THE CANTILEVER AND TERMINATE TOP BARS WITH A STANDARD HOOK
2. THE NUMBER OF REQUIRED VERTICAL LEGS PER STIRRUP IS INDICATED IN THE SCHEDULE. CLOSED STIRRUPS ARE REQUIRED FOR BEAMS WITH CONTINUOUS TOP BARS OR FOR EDGE BEAMS (SPANDRELS). DEVELOPMENT OF STIRRUPS SHALL BE IN ACCORDANCE WITH ACI 318-11 SECTION 12.13 OR ACI 318-14 SECTION 25.7. PLACE FIRST STIRRUP AT A DISTANCE FROM THE FACE OF SUPPORT EQUAL TO 1/2 OF THE SCHEDULED FIRST SPACING OR 3", WHICHEVER IS LESS.
3. AT THE CONTRACTOR'S OPTION, AND WHERE REQUIRED TO RELIEVE BAR CONGESTION, AND WHERE FOUR (4) OR MORE BOTTOM BARS ARE SPECIFIED, NOT MORE THAN 50% OF BOTTOM BARS MAY BE TERMINATED AT THE SPECIFIED DISTANCE FROM THE FACE OF THE SUPPORT.
4. CONTRACTOR SHALL DETAIL AND SHALL PLACE REINFORCING BARS IN MULTIPLE LAYERS ONLY WHERE REQUIRED TO PROVIDE PROPER CLEARANCES BETWEEN BARS AND OR TO PROPERLY CLEAR COLUMN VERTICALS.
5. WHERE CONTINUOUS TOP BARS EXCEED 60 FEET IN LENGTH, SPLICES MAY BE MADE AT MIDSPAN OF BEAM. WHERE BOTTOM BARS EXCEED 60 FEET IN LENGTH, SPLICES MAY BE MADE OUTSIDE OF MIDDLE THIRD OF BEAM. IN BOTH CASES, SPLICE LENGTH SHALL EQUAL 1.3 LD.

**FOUNDATION GRADE BEAM SCHEDULE**

| MARK | SIZE (IN) | | BOT. BARS | | TOP BARS | | | STIRRUPS | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W | D | NO. | SIZE | NO. | SIZE | LOCATION | LOCATION | SIZE | LEGS | SPACING | |
| GB1 | 18 | 48 | - | - | - | - | -. | - | - | - | - | |
| | | | | | | | | - | - | - | - | |

## 1 TYPICAL GRADE BEAM DETAIL

Scale: 1/2" = 1'-0"




## 2 COLUMN DETAILS

Scale: 1/2" = 1'-0"

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VITEMA

Wind Retrofit & Safe Room

St. Croix, US Virgin Islands

TYPICAL CONCRETE DETAILS (3 OF 3)

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DATE: 08/18/22

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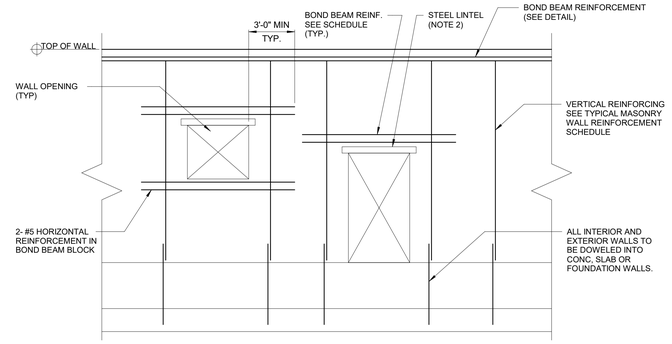
470-20-02

SHEET NUMBER

S303

SCHEMATIC DESIGN

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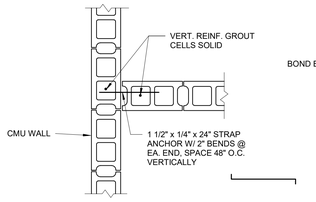

| BOND BEAM LINTEL SCHEDULE | | | |
|---|---|---|---|
| WALLS | MAX. CLEAR SPAN | DEPTH | REINFORCEMENT |
| 8" CMU | 6'-0" | 8" | 2-#5 |
| 8" CMU | 8'-0" | 16" | 2-#5 |

**NOTES:**

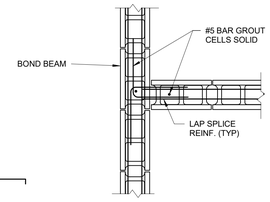
1. PROVIDE 8" MIN. BEARING LENGTH AT ALL LINTELS, U.O.N. FOR BLOCK, FILL 2 COURSES SOLID BELOW BEARING
2. AT CONTRACTOR'S OPTION, STEEL LINTEL MAY BE SUBSITUTED FOR CMU LINTEL.
3. BOND BEAM LINTEL DESIGN BASED ON f'm = 1350psi MIN.

## 1 TYPICAL MASONRY WALL REINFORCEMENT

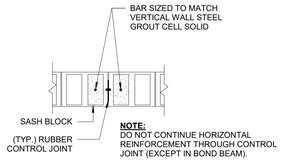
Scale: 1/4" = 1'-0"




TYPICAL WALL INSTERSECTION

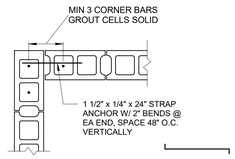



TYPICAL BOND BEAM INTERSECTION

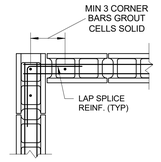



**NOTE:**
DO NOT CONTINUE HORIZONTAL REINFORCEMENT THROUGH CONTROL JOINT (EXCEPT IN BOND BEAM).

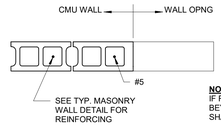
TYPICAL CONTROL JOINT




TYPICAL WALL CORNER




TYPICAL BOND BEAM CORNER




**NOTE:**
IF FIRE RATED PARTITION, CELLS 16" BEYOND FACE OF ALL OPENINGS SHALL BE GROUTED SOLID.

TYPICAL MASONRY JAMB OR WALL END

## 2 TYPICAL MASONRY WALL INTERSECTION DETAIL

Scale: 3/4" = 1'-0"

| MINIMUM WALL REINFORCEMENT SCHEDULE | | | | |
|---|---|---|---|---|
| WALL THICKNESS | MIN VERT REINF (NOTE 1) | MIN. LAP SPLICE | MIN JOIN REINF | MAXIMUM WALL HEIGHT |
| 8" | #5 @ 24 | 3'-6" | NOTE 1 | SEE PLAN |
| 6" | #5 @ 24 | 3'-6" | NOTE 1 | SEE PLAN |

**NOTE:**

1. PROVIDE LADDER TYPE JOINT REINF W/ 3/16" LONGITUDINAL WIRE @ 16" O.C.(EVERY OTHER COURSE)
2. PROVIDE ADDITIONAL BAR EACH SIDE OF ALL OPENINGS. EXTEND 36" BEYOND.



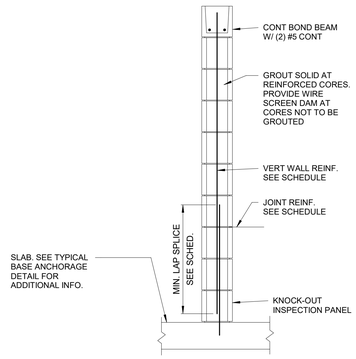

AT PRECAST PLANK

**NOTES:**

1. PROPRIETARY MASONRY PRODUCTS FOR THIS PURPOSE MAY BE USED SUBJECT TO SUBMITTAL AND APPROVAL.
2. PROVIDE ANCHORAGE AT 4'-0" O.C., UNO.
3. PROVIDE DETAILS AT ALL NON-LOAD BEARING/PARTITIONS, UNO.

## 4 TYPICAL MASONRY HEAD ANCHORAGE DETAIL

Scale: 1/2" = 1'-0"




**NOTES:**

1. GROUT CORES FULL HEIGHT WITH A HIGH SLUMP GROUT. WHEN GROUT REACHES THE CONSISTENCY OF STIFF MORTAR VIBRATE TO A DEPTH OF AT LEAST 1/2 THE POUR HEIGHT. ALL GROUTING OPERATIONS REQUIRE FULL TIME INSPECTION BY A QUALIFIED TESTING AGENCY.
2. SEE ARCHITECTURAL DRAWINGS FOR CONTROL JOINT LOCATIONS.

## 3 TYPICAL MASONRY DETAILS

Scale: 3/4" = 1'-0"

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St. Croix, US Virgin Islands

TYPICAL MASONRY DETAILS

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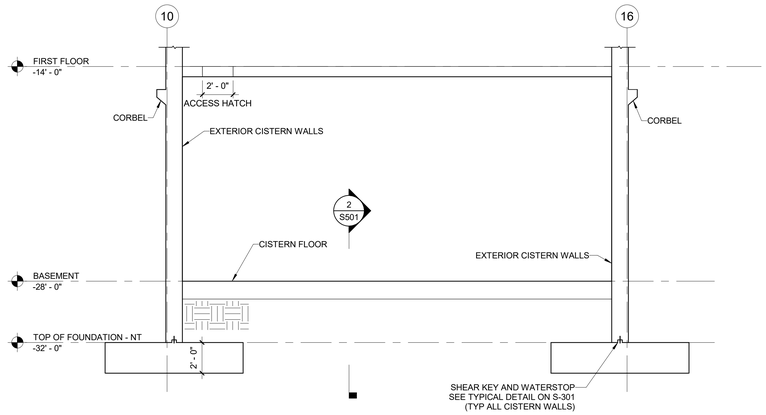
470-20-02

SHEET NUMBER

S304

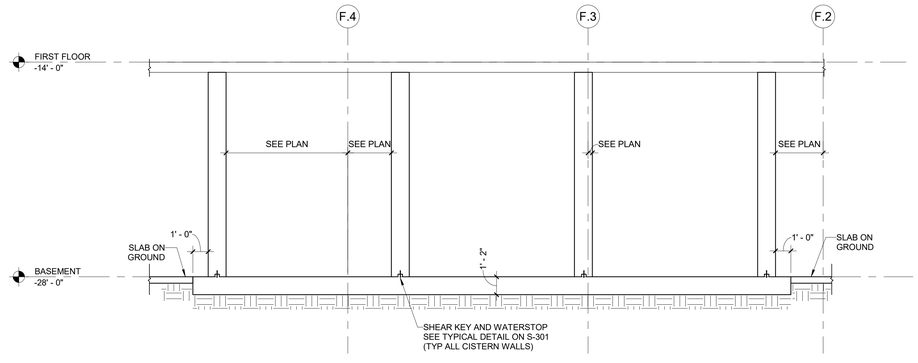
SCHEMATIC DESIGN

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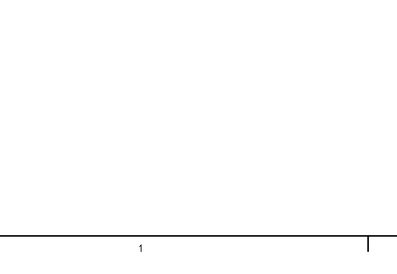

## 1 SECTION AT CISTERN

Scale: 1/4" = 1'-0"




## 2 SECTION AT CISTERN

Scale: 1/4" = 1'-0"




## 3 SECTION AT ELEVATOR PIT

Scale: 1/4" = 1'-0"

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| D | 90% CDs | |
| E | 100% CDs | |

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St. Croix, US Virgin Islands

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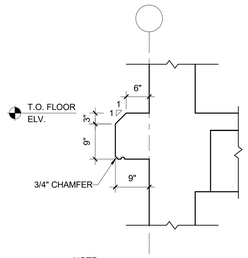
470-20-02

SHEET NUMBER

S501

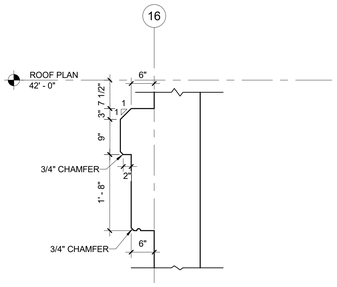
SCHEMATIC DESIGN

NOT FOR CONSTRUCTION

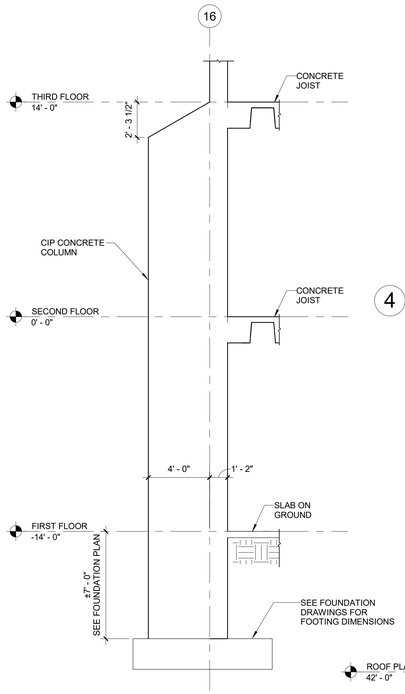



NOTE:
WALL AND SLAB REINFORCEMENT NOT SHOWN FOR CLARITY

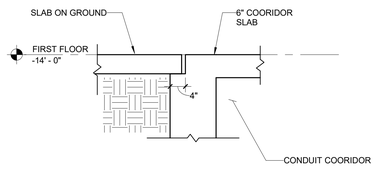
## 1 DETAIL
Scale: 3/4" = 1'-0"



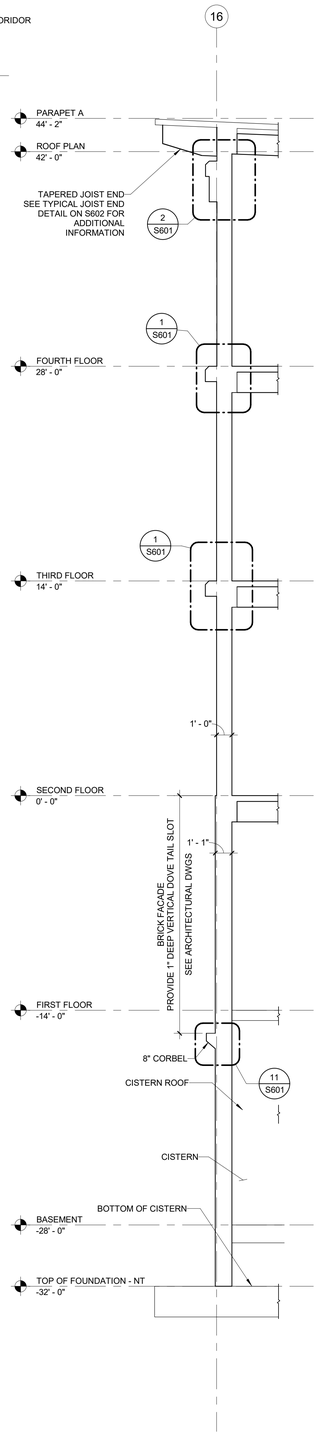

## 2 DETAIL
Scale: 3/4" = 1'-0"

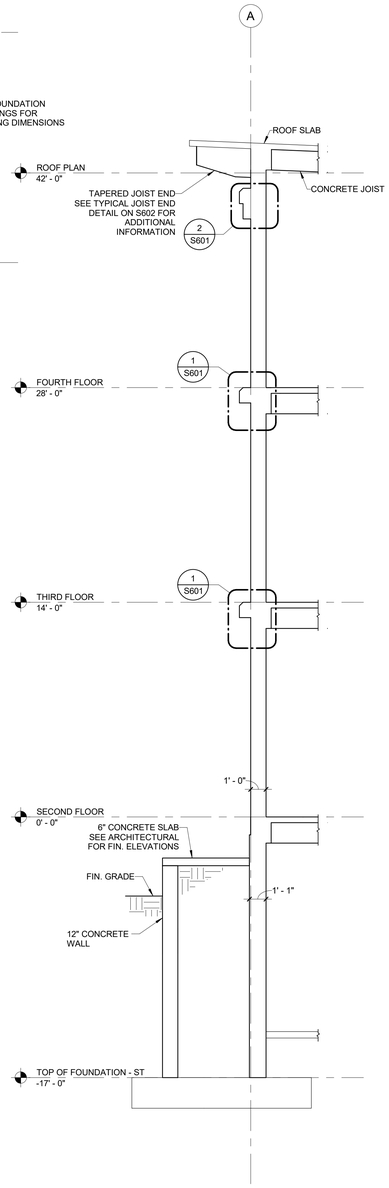


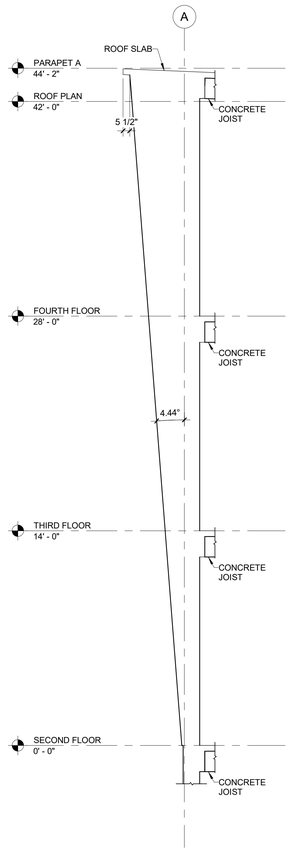

## 3 WALL SECTION
Scale: 1/4" = 1'-0"



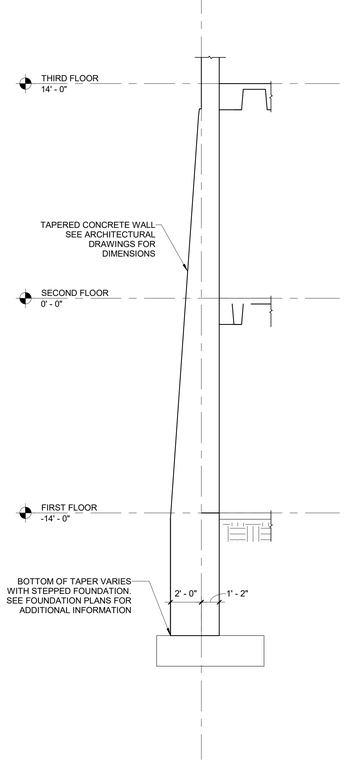

## 4 SECTION
Scale: 3/4" = 1'-0"



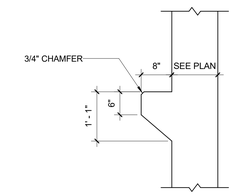




## 5 TYPICAL TAPERED WING
Scale: 1/4" = 1'-0"

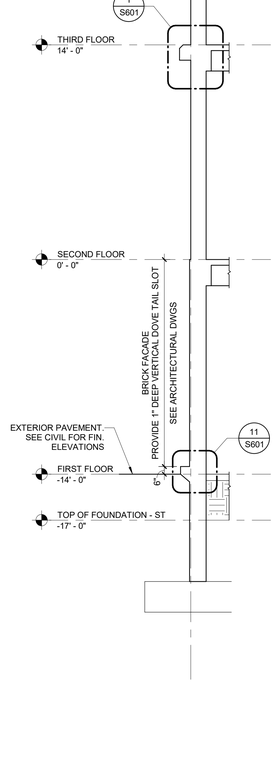



## 6 TAPERED WALL SECTION
Scale: 1/4" = 1'-0"

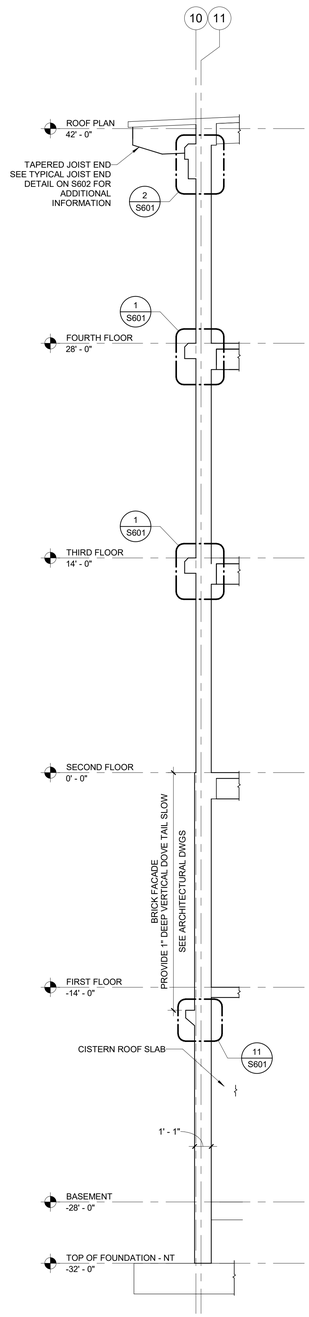
## 7 WALL SECTION
Scale: 1/4" = 1'-0"




## 11 CORBEL DETAIL
Scale: 3/4" = 1'-0"




## 8 WALL SECTION
Scale: 1/4" = 1'-0"




## 9 WALL SECTION
Scale: 1/4" = 1'-0"

## 10 WALL SECTION
Scale: 1/4" = 1'-0"

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| B | 30% CDs | 08/18/2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

St. Croix, US Virgin Islands

BUILDING SECTIONS

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: J. LINFIELD

CHECKED BY: Checker

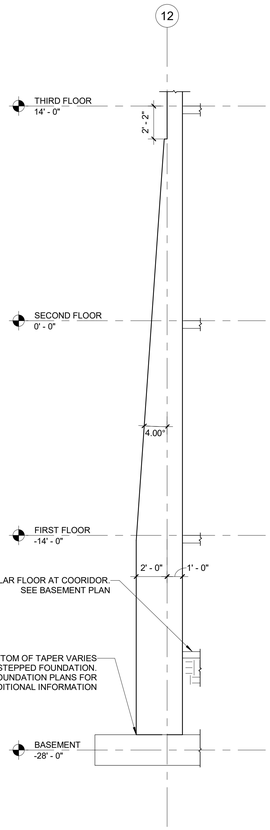
DATE: 08/18/22

NOVUS JOB NUMBER
470-20-02

SHEET NUMBER
S601

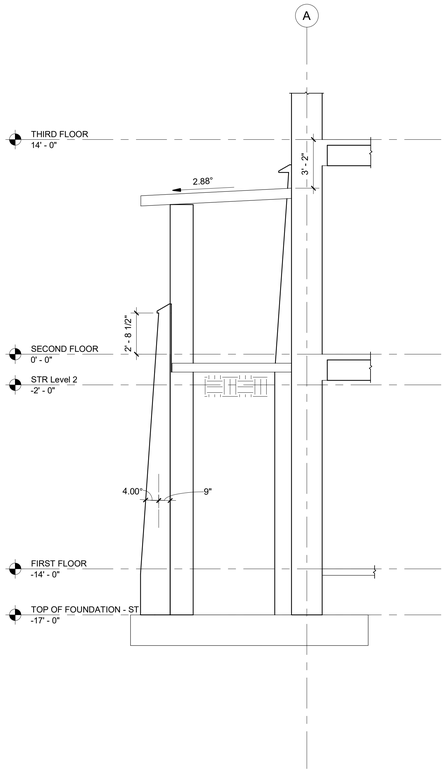
NOT FOR CONSTRUCTION

SCHEMATIC DESIGN



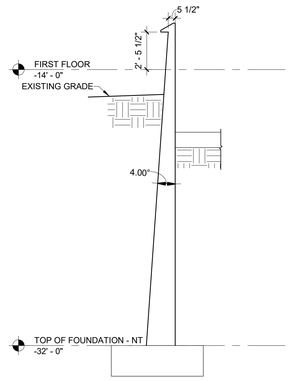

## 1 WALL SECTION

Scale: 1/4" = 1'-0"



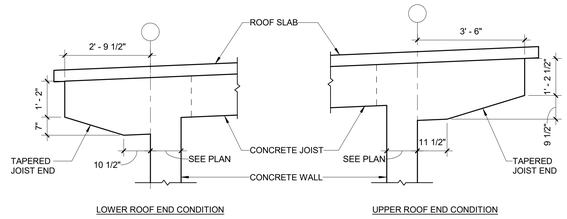

## 2 SECTION

Scale: 1/4" = 1'-0"




## 3 SECTION AT MECHANICAL YARD

Scale: 1/4" = 1'-0"




## 4 TYPICAL TAPERED JOIST END

Scale: 1/2" = 1'-0"

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VITEMA
Wind Retrofit & Safe Room
St. Croix, US Virgin Islands

BUILDING SECTIONS

REVISIONS:

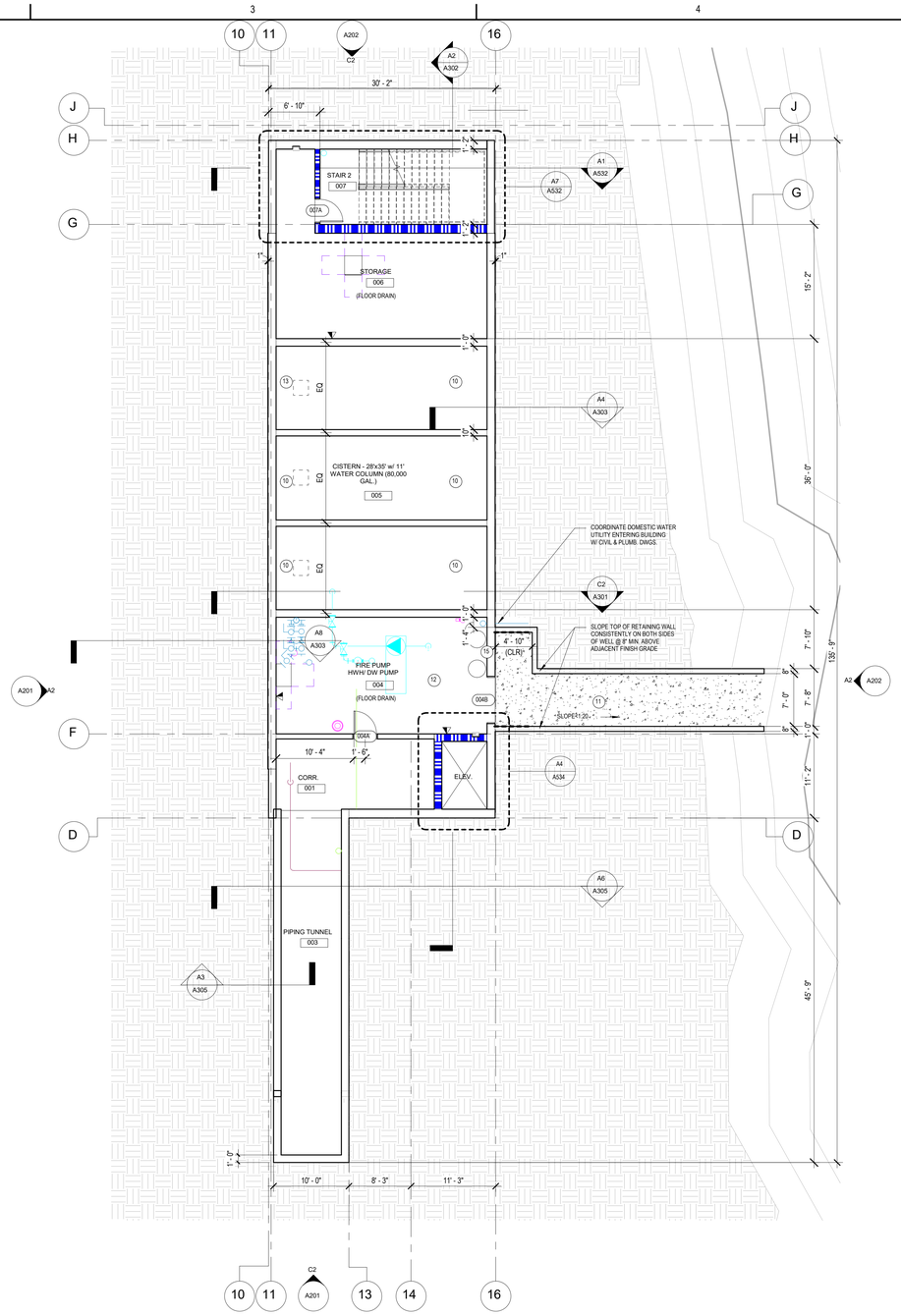
| No. | Description | Date |
|---|---|---|

DRAWN BY: J. LINFIELD
CHECKED BY: Checker
DATE: 08/18/22

NOVUS JOB NUMBER
470-20-02

SHEET NUMBER
S602

SCHEMATIC DESIGN
NOT FOR CONSTRUCTION




**B3** BASEMENT FLOOR PLAN

A100 1/8" = 1'-0"

## GENERAL REFERENCE PLAN NOTES

- PROVIDE CONTINUOUS IN-WALL BLOCKING AS REQUIRED FOR ANY CABINETS OR WALL-MOUNTED EQUIPMENT AND ACCESSORIES AS INDICATED ON PLANS.
- REFER TO SPECIFICATIONS FOR GYPSUM BOARD CONTROL JOINTS; GC SHALL EQUALLY SPACE VERTICAL CONTROL JOINTS ON ALL WALLS THAT EXCEED 25 LINEAR FEET IN LENGTH TO DIVIDE THE WALL INTO EQUALLY SPACED SECTIONS THAT ARE LESS THAN 25 LINEAR FEET IN LENGTH. WHERE CONTROL JOINTS ARE LOCATED OPPOSING WALLS IN ANY GIVEN SPACE, THEY SHALL BE ALIGNED AND SPACED SUCH THAT NO SECTION IS GREATER THAN 25 LINEAR FEET IN LENGTH.
- SEE ENLARGED PLANS FOR FFE ITEMS.
- GENERAL CONTRACTOR TO ADD FACILITY LABELS OF RATED ASSEMBLIES, VALVE LOCATIONS, ETC. COORDINATE WITH OWNER DURING CONSTRUCTION.
- REFER TO ENLARGED PLANS FOR ADDITIONAL DIMENSIONS.
- FURNITURE & FURNITURE LAYOUT BY WB MASON CO FURNITURE VENDOR. REFER TO VENDOR DRAWINGS.
- REFER TO A600'S FOR INTERIOR STOREFRONT AND WINDOW ELEVATIONS.
- CONTRACTOR TO REVIEW SCOPE OF WORK WITH OTHER DISCIPLINES FOR COORDINATION - CONTACT ARCHITECT IF ANY CONDITIONS CONFLICT WITH SCOPE OF WORK OR ARE IN QUESTION.

## KEYNOTES - REFERENCE PLAN (#)

| # | DESCRIPTION |
|---|---|
| 1 | PROVIDE PRIVACY FILM ON INTERIOR FACE OF EXTERIOR GLAZING |
| 2 | ANODIZED ALUMINUM "VITEMA" SIGNAGE LETTERS |
| 3 | ROOF BELOW |
| 4 | CAST IN PLACE CONCRETE EXTERIOR STAIR WITH STEEL RAILINGS |
| 5 | DOWNSPOUTS (CIRCULAR AND RECTALINEAR), SEE EXTERIOR ELEVATIONS |
| 6 | SERVICE YARD |
| 7 | MOTORIZED RETRACTABLE ACOUSTIC PARTITIONS |
| 8 | MECHANICAL YARD |
| 9 | STAFF PATIO |
| 10 | CISTERN COMPARTMENT |
| 11 | PUMP ROOM ACCESS WELL WITH DRAIN, (SEE CIVIL DRAWINGS FOR CONTINUATION AND COORDINATED LENGTH OF WELL W/ FIN. GRADE) |
| 12 | PUMP ROOM EQUIPMENT WITH FLOOR DRAINS, (SEE PLUMB. DWGS.) |
| 13 | 2'x2' CISTERN ACCESS HATCH WITH SEALED METAL COVERS (1 PER CISTERN CHAMBER) |
| 14 | FLOOR DRAIN, (SEE PLUMB. DWGS.) |
| 15 | 3'W x 4'H LOUVERED OPENING, (SEE PLUMB. DWGS.) |

## GENERAL CISTERN NOTES

- THE CISTERN WILL BE DIVIDED INTO CELLS WITH WALLS THAT ALLOW FOR PART OF THE CISTERN TO BE EMPTY AND CLEANED WHILE THE OTHER CELLS STILL COLLECT AND ARE OPERATIONAL. EACH CELL WILL HAVE A 2'x2' CISTERN ACCESS PANEL IN THE CISTERN TOP.
- NO PLUMBING DRAINS CAN BE ABOVE OR PENETRATE THE CISTERN
- THE CISTERN OVERFLOWS (SEE PLUMB. DWGS.) WITH THE TOTAL AREA EXCEEDING INFLOW AND THE INVERT ELEVATION IS 12" BELOW THE CISTERN TOP. OVERFLOW IS LOWER THAN INFLOW AND LARGER DRAINAGE AREA. THE OVERFLOWS MUST DRAIN TO DAYLIGHT. A SCREEN IS PLACED OVER THE ENDS TO PROTECT THE CISTERN.
- WATER IS NOT COLLECTED FROM PORCHES OR ROOF TERRACES. ROOF TERRACES ARE RARELY USED UNLESS COVERED.

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VITEMA Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

BASEMENT FLOOR PLANS

REVISIONS:

| No. | Description | Date |
|---|---|---|
| | | |

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER
470-20-02

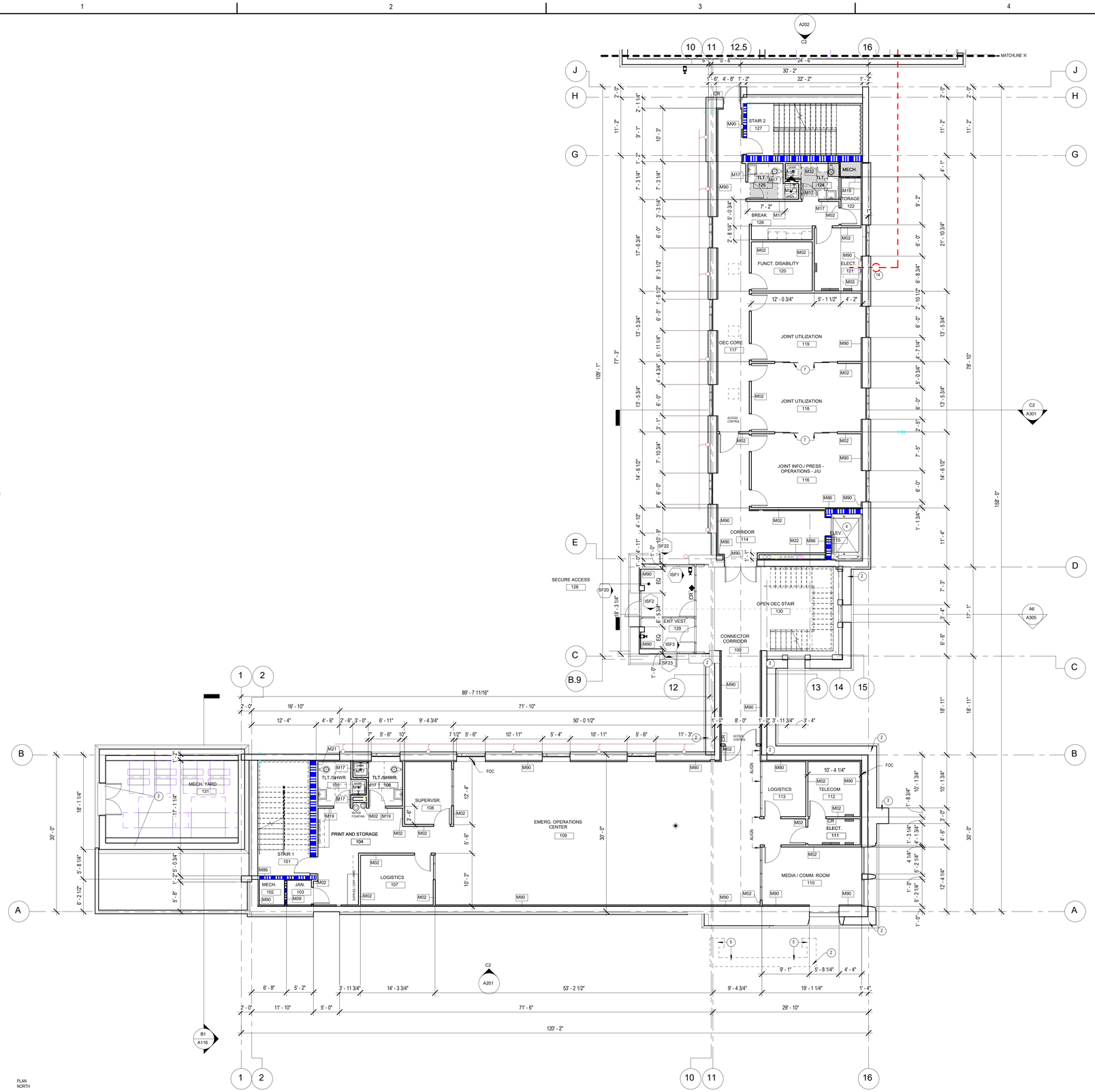
ODR PROJECT NUMBER
4340-0010

SHEET NUMBER
A100

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PLAN NORTH

TRUE NORTH

**A1** 1ST FLOOR DIMENSION PLAN

A101 1/8" = 1'-0"

## GENERAL DIMENSION NOTES

- PRIOR TO CONSTRUCTION, CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT OF ALL DISCREPANCIES.
- DIMENSIONS ARE FROM FACE OF STUD (FOS) TO FACE OF STUD AT NEW WALLS, UNLESS OTHERWISE NOTED.
- DIMENSIONS MAY TIE TO STRUCTURAL GRID. COORDINATE WITH STRUCTURAL DRAWINGS.
- ANY "VERIFY" DIMENSION IS A FLEX AREA TO ALLOW FOR FIELD ADJUSTMENTS AND ALIGNMENT.
- LOCATE DOORS 4" FROM HINGE SIDE TYPICALLY, UNLESS OTHERWISE SHOWN. AT LATCH SIDE OF DOOR PROVIDE A MINIMUM OF 18" CLEAR SPACE ON PULL SIDE OF DOOR AND 12" ON THE PUSH SIDE.
- REFER TO ENLARGED PLANS FOR ADDITIONAL DIMENSIONS.
- (V.I.F.) = VERIFY IN FIELD
- (FOC) = FACE OF CAST IN PLACE CONCRETE
- SEE DRYWALL SOFFITS INDICATED ON A700 SHEETS FOR ALIGNMENT WITH WALLS / CASEWORK BELOW.
- GYP. BD. ONE SIDE @ CHASE WALLS.

## KEYNOTE - DIMENSION (#)

| # | DESCRIPTION |
|---|---|
| 1 | CAST IN PLACE CONCRETE "FIN" ELEMENT |
| 2 | BATTERED CAST IN PLACE BASE - SEE EXTERIOR ELEVATIONS & WALL SECTIONS |
| 3 | CAST IN PLACE CONCRETE PILASTER - SEE EXTERIOR ELEVATIONS |
| 4 | ELEVATOR - SEE SPECIFICATIONS - (5'-9" X 8'-8") CLEAR REQ'D. PER BASIS OF DESIGN MFR (OTIS- Gen 3 EDGE) |
| 5 | SOUTHERN ENTRY PAVILION |
| 6 | CAST IN PLACE CONCRETE RETAINING WALL - COORD. W/ CIVIL GRADING PLANS |
| 7 | MOTORIZED MOVEABLE WALL PANEL SYSTEM |
| 8 | CAST IN PLACE CONCRETE STAIR, (SEE STRUCT. DWGS.) |
| 9 | CAST IN PLACE CONCRETE RAMP W/ STEEL PIPE RAILING, (SEE SHEET A117) |
| 10 | CAST IN PLACE CONCRETE PATIO, (SEE CIVIL DWGS.) |
| 11 | MECHANICAL EQUIPMENT YARD, (COORD. W/ MECH. DWGS.) |
| 12 | ALIGN OPENINGS AT EAST AND WEST SIDES OF CONNECTOR |
| 13 | COORDINATE ROUGH OPENING AND FRAMING/ ANCHORING OF MOTORIZED WALL PANEL SYSTEM W/ MANUFACTURER |
| 14 | MAIN ELECTRICAL UNDERGROUND SERVICE TO RISE VERTICALLY UP SIDE OF BUILDING, (SEE ELECT. DWGS.) |
| 15 | VERTICAL 1" INSET INTO THE CIP WALL |
| 16 | CENTER OF STOREFRONT UNITS SHALL BE TUBE STEEL SUPPORT, (SEE STRUCT. DWGS.) |

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VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder; 102-B, 102-C Estate Hermon Hill

1ST FLOOR DIMENSION PLAN

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER 470-20-02

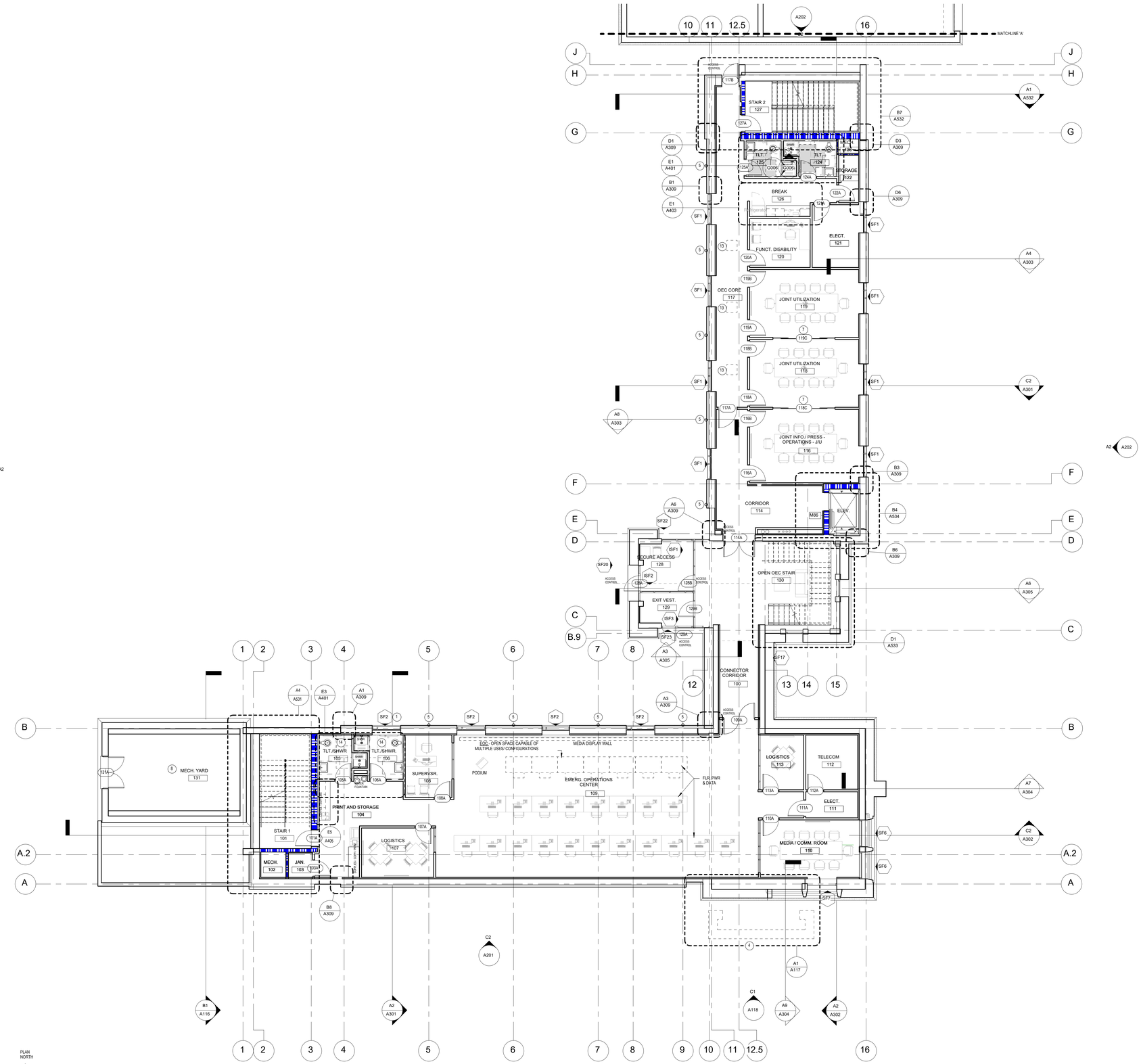
ODR PROJECT NUMBER 4340-0010

SHEET NUMBER A101

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**A1** 1ST FLOOR REFERENCE PLAN

A102 1/8" = 1'-0"

## GENERAL REFERENCE PLAN NOTES

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- SEE ENLARGED PLANS FOR FFE ITEMS.
- GENERAL CONTRACTOR TO ADD FACILITY LABELS OF RATED ASSEMBLIES, VALVE LOCATIONS, ETC. COORDINATE WITH OWNER DURING CONSTRUCTION.
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- FURNITURE & FURNITURE LAYOUT BY WB MASON CO FURNITURE VENDOR. REFER TO VENDOR DRAWINGS.
- REFER TO A600'S FOR INTERIOR STOREFRONT AND WINDOW ELEVATIONS.
- CONTRACTOR TO REVIEW SCOPE OF WORK WITH OTHER DISCIPLINES FOR COORDINATION - CONTACT ARCHITECT IF ANY CONDITIONS CONFLICT WITH SCOPE OF WORK OR ARE IN QUESTION.

## KEYNOTES - REFERENCE PLAN

| # | DESCRIPTION |
|---|---|
| 1 | PROVIDE PRIVACY FILM ON INTERIOR FACE OF EXTERIOR GLAZING |
| 2 | ANODIZED ALUMINUM "VITEMA" SIGNAGE LETTERS |
| 3 | ROOF BELOW |
| 4 | CAST IN PLACE CONCRETE EXTERIOR STAIR WITH STEEL RAILINGS |
| 5 | DOWNSPOUTS (CIRCULAR AND RECTALINEAR), SEE EXTERIOR ELEVATIONS |
| 6 | SERVICE YARD |
| 7 | MOTORIZED RETRACTABLE ACOUSTIC PARTITIONS |
| 8 | MECHANICAL YARD |
| 9 | STAFF PATIO |
| 10 | CISTERN COMPARTMENT |
| 11 | PUMP ROOM ACCESS WELL WITH DRAIN, (SEE CIVIL DRAWINGS FOR CONTINUATION AND COORDINATED LENGTH OF WELL W/ FIN. GRADE) |
| 12 | PUMP ROOM EQUIPMENT WITH FLOOR DRAINS, (SEE PLUMB. DWGS.) |
| 13 | 2'x2' CISTERN ACCESS HATCH WITH SEALED METAL COVERS (1 PER CISTERN CHAMBER) |
| 14 | FLOOR DRAIN, (SEE PLUMB. DWGS.) |
| 15 | 3'W x 4'H LOUVERED OPENING, (SEE PLUMB. DWGS.) |

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VITEMA Wind Retrofit & Safe Room

Plot No. 102-A Remainder; 102-B, 102-C Estate Hermon Hill

1ST FLOOR REFERENCE PLAN

REVISIONS:

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|---|---|---|

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CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER 470-20-02

GDR PROJECT NUMBER 4340-0010

SHEET NUMBER A102

30% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

**EQUIPMENT - CONTRACTOR PROVIDED / CONTRACTOR INSTALLED**

| MARK | DESCRIPTION |
|---|---|
| CC1 | TOILET SEAT COVER DISPENSER |
| CC2 | FLOOR MOUNTED WATER CLOSET WIELONGATED BOWL & OPEN SEAT . REFER TO SHEET G003 FOR CONFIGURATION. |
| CC3 | TOILET PAPER DISPENSER |
| CC4 | SOAP DISPENSER |
| CC5 | MIRROR 24"X36" |
| CC7 | |
| CC8 | STEP N PULL FOOT OPERATED DOOR OPENER |
| CC9 | DISHWASHER |
| CC11 | 36" REFRIGERATOR WITH WATER AND ICE |
| CC12 | GARBAGE DISPOSAL |
| CC13 | COMPACT REFRIGERATOR |
| CC14 | BEVI STANDUP WATER DISPENSER - PROVIDE 120V OUTLET & 3/8" WATER LINE - REFER TO PLUMBING |
| CC15 | 65" MONITOR |
| CC16 | PAPER TOWEL DISPENSER - AUTOMATIC - SURFACE MOUNTED |
| CC18 | LOCKER |
| CC19 | COAT HOOK, SINGLE |
| CC20 | OVEN/ RANGE |
| CC21 | WASHER/ DRYER STACK |
| CC22 | Microwaves |
| CC23 | FOLDING SHOWER SEAT WITH LEGS |
| CC25 | SHOWER CURTAIN |
| CC28 | SHOWER CURTAIN ROD |
| CC31 | SHOWER GRAB BAR - 18" VERTICAL |
| FEC | SEMI RECESSED FIRE EXTINGUISHER CABINET |

**EQUIPMENT - OWNER PROVIDED / OWNER INSTALLED**

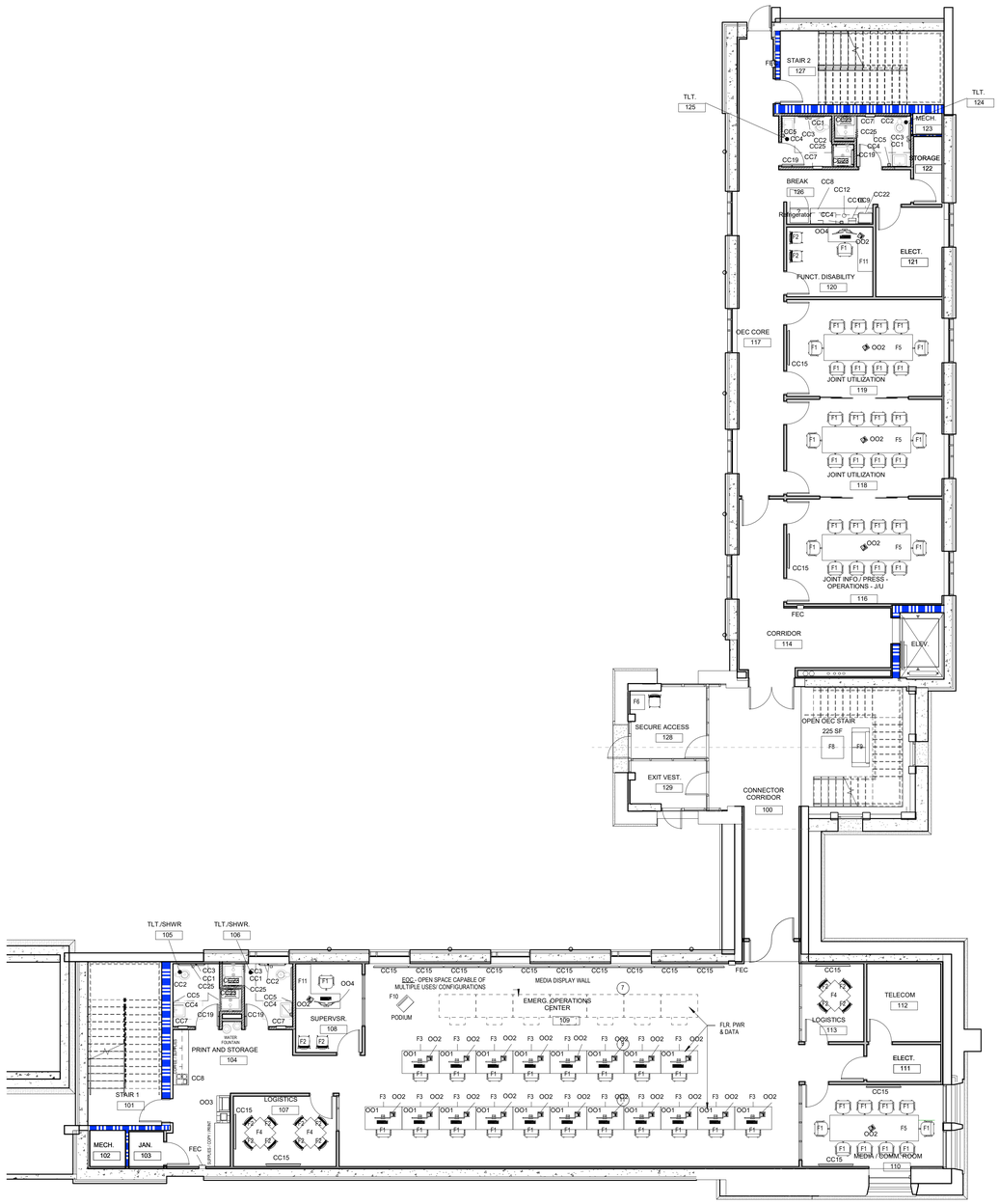
| MARK | DESCRIPTION | COMMENTS |
|---|---|---|
| OO1 | SINGLE MONITOR PC | |
| OO2 | DESK PHONE | |
| OO3 | COPIER | |
| OO4 | DUAL MONITOR PC | |

**FURNITURE SCHEDULE - OWNER PROVIDED / OWNER INSTALLED**

| TYPE MARK | DESCRIPTION |
|---|---|
| F1 | TASK CHAIR WITH CASTERS |
| F2 | SIDE CHAIR |
| F3 | WORKSTATION 60"X36" |
| F4 | SQUARE TABLE 36"X36" |
| F5 | CONFERENCE TABLE 144"X42" |
| F6 | SQUARE TABLE 24"X24" |
| F7 | LOUNGE CHAIR |
| F8 | SQUARE COFFEE TABLE 36"x36" |
| F9 | LOVESEAT |
| F10 | PODIUM |
| F11 | DESK - L SHAPE 6' |
| F12 | TWIN BED |
| F13 | CHAIR, WITHOUT ARMS |
| F14 | TABLE 24"x40" |
| F15 | DESK 24"X36" |

## FURNITURE & EQUIPMENT NOTES

- SEE A400-SERIES FOR ADDITIONAL FURNITURE AND EQUIPMENT INFORMATION.
- CONTRACTOR TO PROVIDE CONTINUOUS IN-WALL BLOCKING FOR ANY CABINETS, EQUIPMENT, TOILET ACCESSORIES OR WHERE REQUIRED OTHERWISE.
- EQUIPMENT AND FURNITURE LIST IS OVERALL FOR ENTIRE PROJECT. NOT ALL FURNITURE OR EQUIPMENT LISTED WILL BE SHOWN ON EACH SHEET.
- CONTRACTOR TO VERIFY EQUIPMENT QUANTITIES SHOWN ON SCHEDULE WITH PLAN AND NOTIFY ARCHITECT/OWNER OF ANY DISCREPANCIES PRIOR TO PLACING EQUIPMENT ORDER.
- CONTRACTOR TO COORDINATE AN EQUIPMENT MEETING WITH OWNER/ ARCHITECT BEFORE INSTALLATION.
- NEW CEILING AND SOFFIT HEIGHTS NOTED ON RCP.
- REFER TO A400-SERIES FOR TYPICAL ENLARGED PLANS AND TOILET ROOMS ACCESSORIES.
- CONTRACTOR TO COORDINATE WITH VENDOR EQUIPMENT INSTALLATION. PROVIDE REQUIRED MEP SUPPORT NEEDED FOR ALL VENDOR INSTALL EQUIPMENT.
- CONTRACTOR TO VERIFY REQUIREMENTS OFF ALL EQUIPMENT, INCLUDING VENDOR INSTALL EQUIPMENT PRIOR INSTALLATION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES OR ADDITIONAL REQUIREMENTS NOT PROVIDED.
- ALL FURNITURE IS OWNER PROVIDED & OWNER INSTALLED.
- REFER TO MEP DRAWINGS IN CONJUNCTION WITH THIS SHEET. WHERE CONFLICTS @ LIGHT & AIR DEVICE LOCATIONS EXIST BETWEEN MEP AND ARCHITECTURAL, NOTIFY ARCHITECT.
- REFER TO VENDOR DRAWINGS FOR EQUIPMENT INFORMATION.




**A1** 1ST FLOOR FFE PLAN

A103 1/8" = 1'-0"

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|---|---|---|
| A | Schematic | 03.04.2022 |
| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

1ST FLOOR FFE PLAN

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

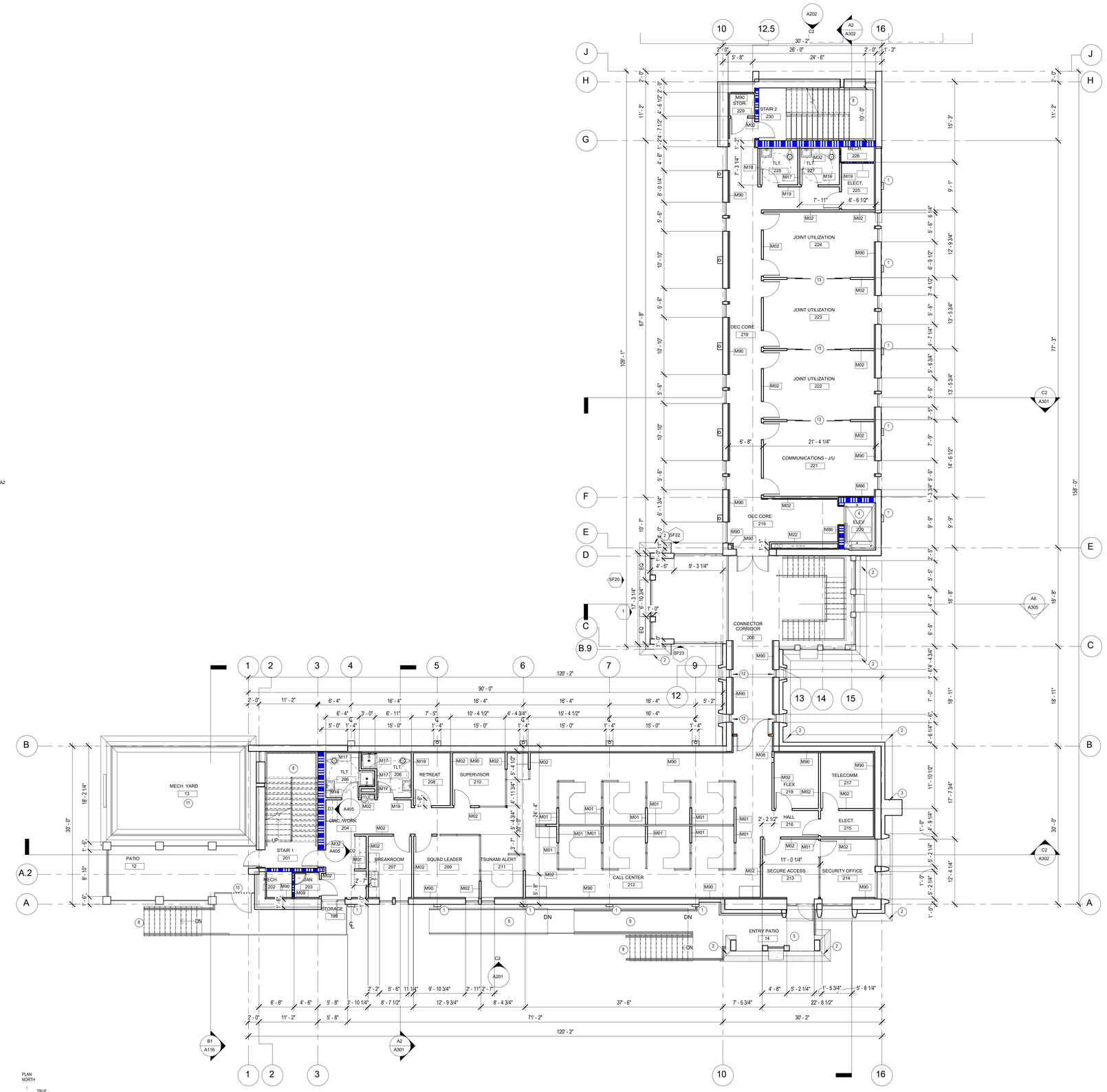
NOVUS JOB NUMBER 470-20-02

ODR PROJECT NUMBER 4340-0010

SHEET NUMBER A103

30% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION




**A1** 2ND FLOOR DIMENSION PLAN

A104 1/8" = 1'-0"

## GENERAL DIMENSION NOTES

- PRIOR TO CONSTRUCTION, CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT OF ALL DISCREPANCIES.
- DIMENSIONS ARE FROM FACE OF STUD (FOS) TO FACE OF STUD AT NEW WALLS, UNLESS OTHERWISE NOTED.
- DIMENSIONS MAY TIE TO STRUCTURAL GRID. COORDINATE WITH STRUCTURAL DRAWINGS.
- ANY "VERIFY" DIMENSION IS A FLEX AREA TO ALLOW FOR FIELD ADJUSTMENTS AND ALIGNMENT.
- LOCATE DOORS 4" FROM HINGE SIDE TYPICALLY, UNLESS OTHERWISE SHOWN. AT LATCH SIDE OF DOOR PROVIDE A MINIMUM OF 18" CLEAR SPACE ON PULL SIDE OF DOOR AND 12" ON THE PUSH SIDE.
- REFER TO ENLARGED PLANS FOR ADDITIONAL DIMENSIONS.
- (V.I.F.) = VERIFY IN FIELD
- (FOC) = FACE OF CAST IN PLACE CONCRETE
- SEE DRYWALL SOFFITS INDICATED ON A700 SHEETS FOR ALIGNMENT WITH WALLS / CASEWORK BELOW.
- GYP. BD. ONE SIDE @ CHASE WALLS.

## KEYNOTE - DIMENSION

| # | DESCRIPTION |
|---|---|
| 1 | CAST IN PLACE CONCRETE "FIN" ELEMENT |
| 2 | BATTERED CAST IN PLACE BASE - SEE EXTERIOR ELEVATIONS & WALL SECTIONS |
| 3 | CAST IN PLACE CONCRETE PILASTER - SEE EXTERIOR ELEVATIONS |
| 4 | ELEVATOR - SEE SPECIFICATIONS - (5'-9" X 8'-8") CLEAR REQ'D. PER BASIS OF DESIGN MFR (OTIS- Gen 3 EDGE) |
| 5 | SOUTHERN ENTRY PAVILION |
| 6 | CAST IN PLACE CONCRETE RETAINING WALL - COORD. W/ CIVIL GRADING PLANS |
| 7 | MOTORIZED MOVEABLE WALL PANEL SYSTEM |
| 8 | CAST IN PLACE CONCRETE STAIR, (SEE STRUCT. DWGS.) |
| 9 | CAST IN PLACE CONCRETE RAMP W/ STEEL PIPE RAILING, (SEE SHEET A117) |
| 10 | CAST IN PLACE CONCRETE PATIO, (SEE CIVIL DWGS.) |
| 11 | MECHANICAL EQUIPMENT YARD, (COORD. W/ MECH. DWGS.) |
| 12 | ALIGN OPENINGS AT EAST AND WEST SIDES OF CONNECTOR |
| 13 | COORDINATE ROUGH OPENING AND FRAMING/ ANCHORING OF MOTORIZED WALL PANEL SYSTEM W/ MANUFACTURER |
| 14 | MAIN ELECTRICAL UNDERGROUND SERVICE TO RISE VERTICALLY UP SIDE OF BUILDING, (SEE ELECT. DWGS.) |
| 15 | VERTICAL 1" INSET INTO THE CIP WALL |
| 16 | CENTER OF STOREFRONT UNITS SHALL BE TUBE STEEL SUPPORT, (SEE STRUCT. DWGS.) |

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| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

2ND FLOOR DIMENSION PLAN

| REVISIONS: | | |
|---|---|---|
| No. | Description | Date |

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER 470-20-02

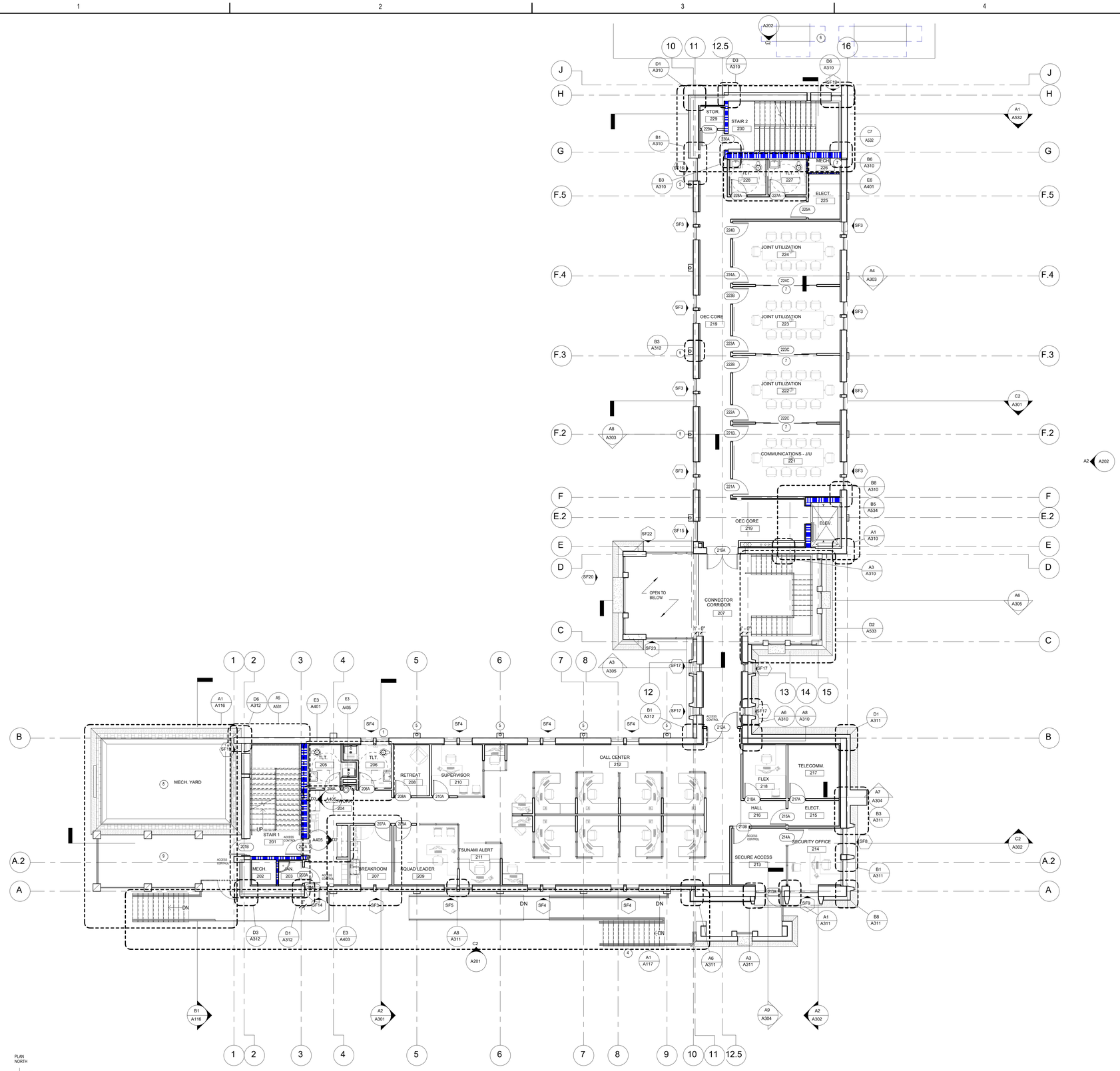
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SHEET NUMBER A104

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**A1** 2ND FLOOR REFERENCE PLAN

A105 1/8" = 1'-0"

## GENERAL REFERENCE PLAN NOTES

- PROVIDE CONTINUOUS IN-WALL BLOCKING AS REQUIRED FOR ANY CABINETS OR WALL-MOUNTED EQUIPMENT AND ACCESSORIES AS INDICATED ON PLANS.
- REFER TO SPECIFICATIONS FOR GYPSUM BOARD CONTROL JOINTS; GC SHALL EQUALLY SPACE VERTICAL CONTROL JOINTS ON ALL WALLS THAT EXCEED 25 LINEAR FEET IN LENGTH TO DIVIDE THE WALL INTO EQUALLY SPACED SECTIONS THAT ARE LESS THAN 25 LINEAR FEET IN LENGTH. WHERE CONTROL JOINTS ARE LOCATED OPPOSING WALLS IN ANY GIVEN SPACE, THEY SHALL BE ALIGNED AND SPACED SUCH THAT NO SECTION IS GREATER THAN 25 LINEAR FEET IN LENGTH.
- SEE ENLARGED PLANS FOR FFE ITEMS.
- GENERAL CONTRACTOR TO ADD FACILITY LABELS OF RATED ASSEMBLIES, VALVE LOCATIONS, ETC. COORDINATE WITH OWNER DURING CONSTRUCTION.
- REFER TO ENLARGED PLANS FOR ADDITIONAL DIMENSIONS.
- FURNITURE & FURNITURE LAYOUT BY WB MASON CO FURNITURE VENDOR. REFER TO VENDOR DRAWINGS.
- REFER TO A6025 FOR INTERIOR STOREFRONT AND WINDOW ELEVATIONS.
- CONTRACTOR TO REVIEW SCOPE OF WORK WITH OTHER DISCIPLINES FOR COORDINATION - CONTACT ARCHITECT IF ANY CONDITIONS CONFLICT WITH SCOPE OF WORK OR ARE IN QUESTION.

## KEYNOTES - REFERENCE PLAN

| # | DESCRIPTION |
|---|---|
| 1 | PROVIDE PRIVACY FILM ON INTERIOR FACE OF EXTERIOR GLAZING |
| 2 | ANODIZED ALUMINUM "VITEMA" SIGNAGE LETTERS |
| 3 | ROOF BELOW |
| 4 | CAST IN PLACE CONCRETE EXTERIOR STAIR WITH STEEL RAILINGS |
| 5 | DOWNSPOUTS (CIRCULAR AND RECTALINEAR), SEE EXTERIOR ELEVATIONS |
| 6 | SERVICE YARD |
| 7 | MOTORIZED RETRACTABLE ACOUSTIC PARTITIONS |
| 8 | MECHANICAL YARD |
| 9 | STAFF PATIO |
| 10 | CISTERN COMPARTMENT |
| 11 | PUMP ROOM ACCESS WELL WITH DRAIN, (SEE CIVIL DRAWINGS FOR CONTINUATION AND COORDINATED LENGTH OF WELL W/ FIN. GRADE) |
| 12 | PUMP ROOM EQUIPMENT WITH FLOOR DRAINS, (SEE PLUMB. DWGS.) |
| 13 | 2'x2' CISTERN ACCESS HATCH WITH SEALED METAL COVERS (1 PER CISTERN CHAMBER) |
| 14 | FLOOR DRAIN, (SEE PLUMB. DWGS.) |
| 15 | 2'W x 4'H LOUVERED OPENING, (SEE PLUMB. DWGS.) |

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| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

2ND FLOOR REFERENCE PLAN

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER 470-20-02

ODR PROJECT NUMBER 4340-0010

SHEET NUMBER A105

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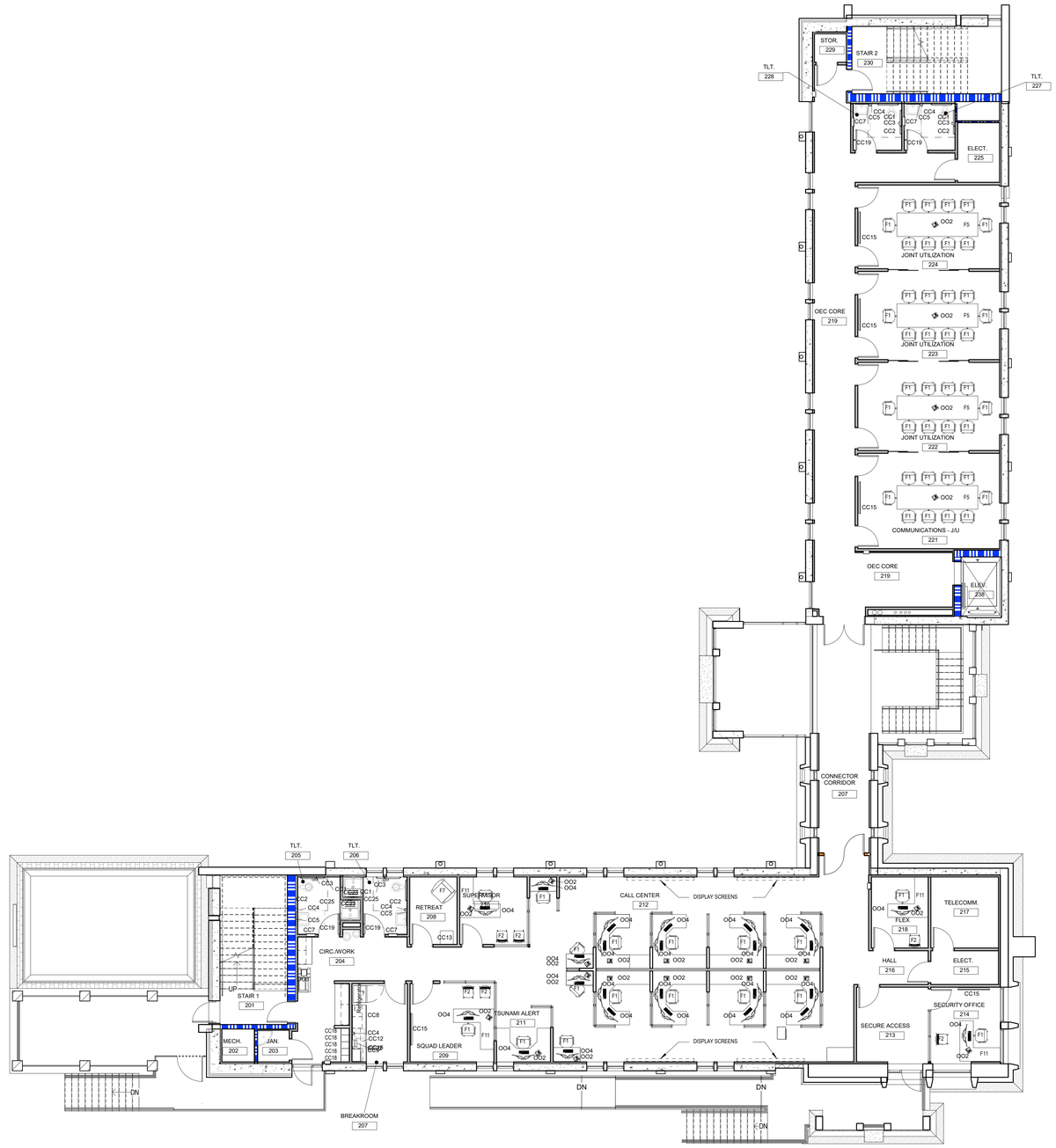
| EQUIPMENT - CONTRACTOR PROVIDED / CONTRACTOR INSTALLED | |
|---|---|
| **MARK** | **DESCRIPTION** |
| | |
| CC1 | TOILET SEAT COVER DISPENSER |
| CC2 | FLOOR MOUNTED WATER CLOSET W/ELONGATED BOWL & OPEN SEAT . REFER TO SHEET G003 FOR CONFIGURATION. |
| CC3 | TOILET PAPER DISPENSER |
| CC4 | SOAP DISPENSER |
| CC5 | MIRROR 24"X36" |
| CC7 | |
| CC8 | STEP N PULL FOOT OPERATED DOOR OPENER |
| CC9 | DISHWASHER |
| CC11 | 36" REFRIGERATOR WITH WATER AND ICE |
| CC12 | GARBAGE DISPOSAL |
| CC13 | COMPACT REFRIGERATOR |
| CC14 | BEVI STANDUP WATER DISPENSER - PROVIDE 120V OUTLET & 3/8" WATER LINE - REFER TO PLUMBING |
| CC15 | 65" MONITOR |
| CC16 | PAPER TOWEL DISPENSER - AUTOMATIC - SURFACE MOUNTED |
| CC18 | LOCKER |
| CC19 | COAT HOOK, SINGLE |
| CC20 | OVEN/ RANGE |
| CC21 | WASHER/ DRYER STACK |
| CC22 | Microwaves |
| CC23 | FOLDING SHOWER SEAT WITH LEGS |
| CC25 | SHOWER CURTAIN |
| CC28 | SHOWER CURTAIN ROD |
| CC31 | SHOWER GRAB BAR - 18" VERTICAL |
| FEC | SEMI RECESSED FIRE EXTINGUISHER CABINET |

| EQUIPMENT - OWNER PROVIDED / OWNER INSTALLED | | |
|---|---|---|
| **MARK** | **DESCRIPTION** | **COMMENTS** |
| OO1 | SINGLE MONITOR PC | |
| OO2 | DESK PHONE | |
| OO3 | COPIER | |
| OO4 | DUAL MONITOR PC | |

| FURNITURE SCHEDULE - OWNER PROVIDED / OWNER INSTALLED | |
|---|---|
| **TYPE MARK** | **DESCRIPTION** |
| | |
| F1 | TASK CHAIR WITH CASTERS |
| F2 | SIDE CHAIR |
| F3 | WORKSTATION 60"X36" |
| F4 | SQUARE TABLE 36"X36" |
| F5 | CONFERENCE TABLE 144"X42" |
| F6 | SQUARE TABLE 24"X24" |
| F7 | LOUNGE CHAIR |
| F8 | SQUARE COFFEE TABLE 36"x36" |
| F9 | LOVESEAT |
| F10 | PODIUM |
| F11 | DESK - L SHAPE 6' |
| F12 | TWIN BED |
| F13 | CHAIR, WITHOUT ARMS |
| F14 | TABLE 24"x40" |
| F15 | DESK 24"X36" |

## FURNITURE & EQUIPMENT NOTES

- SEE A400-SERIES FOR ADDITIONAL FURNITURE AND EQUIPMENT INFORMATION.
- CONTRACTOR TO PROVIDE CONTINUOUS IN-WALL BLOCKING FOR ANY CABINETS, EQUIPMENT, TOILET ACCESSORIES OR WHERE REQUIRED OTHERWISE.
- EQUIPMENT AND FURNITURE LIST IS OVERALL FOR ENTIRE PROJECT. NOT ALL FURNITURE OR EQUIPMENT LISTED WILL BE SHOWN ON EACH SHEET.
- CONTRACTOR TO VERIFY EQUIPMENT QUANTITIES SHOWN ON SCHEDULE WITH PLAN AND NOTIFY ARCHITECT/OWNER OF ANY DISCREPANCIES PRIOR TO PLACING EQUIPMENT ORDER.
- CONTRACTOR TO COORDINATE AN EQUIPMENT MEETING WITH OWNER/ ARCHITECT BEFORE INSTALLATION.
- NEW CEILING AND SOFFIT HEIGHTS NOTED ON RCP.
- REFER TO A400-SERIES FOR TYPICAL ENLARGED PLANS AND TOILET ROOMS ACCESSORIES.
- CONTRACTOR TO COORDINATE WITH VENDOR EQUIPMENT INSTALLATION. PROVIDE REQUIRED MEP SUPPORT NEEDED FOR ALL VENDOR INSTALL EQUIPMENT.
- CONTRACTOR TO VERIFY REQUIREMENTS OFF ALL EQUIPMENT, INCLUDING VENDOR INSTALL EQUIPMENT PRIOR INSTALLATION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES OR ADDITIONAL REQUIREMENTS NOT PROVIDED.
- ALL FURNITURE IS OWNER PROVIDED & OWNER INSTALLED.
- REFER TO MEP DRAWINGS IN CONJUNCTION WITH THIS SHEET. WHERE CONFLICTS @ LIGHT & AIR DEVICE LOCATIONS EXIST BETWEEN MEP AND ARCHITECTURAL, NOTIFY ARCHITECT.
- REFER TO VENDOR DRAWINGS FOR EQUIPMENT INFORMATION.




**A1** 2ND FLOOR FFE PLAN

A106 1/8" = 1'-0"

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| C | 60% CDs | |
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| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

2ND FLOOR FFE PLAN

| REVISIONS: | | |
|---|---|---|
| **No.** | **Description** | **Date** |
| | | |

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER
470-20-02

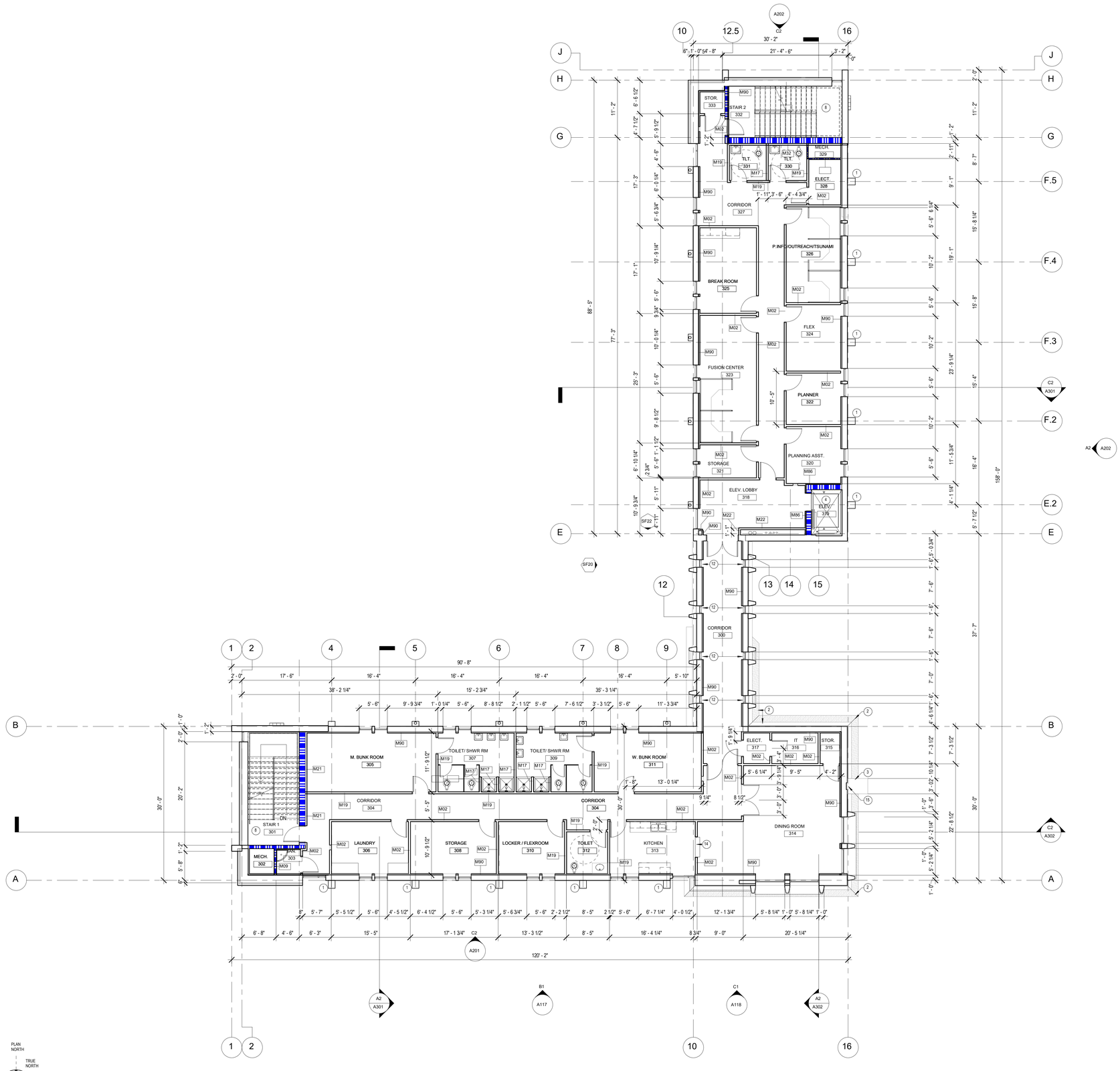
ODR PROJECT NUMBER
4340-0010

SHEET NUMBER
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PLAN NORTH

TRUE NORTH

**A1** 3RD FLOOR DIMENSION PLAN

A107 1/8" = 1'-0"

## GENERAL DIMENSION NOTES

- PRIOR TO CONSTRUCTION, CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT OF ALL DISCREPANCIES.
- DIMENSIONS ARE FROM FACE OF STUD (FOS) TO FACE OF STUD AT NEW WALLS, UNLESS OTHERWISE NOTED.
- DIMENSIONS MAY TIE TO STRUCTURAL GRID. COORDINATE WITH STRUCTURAL DRAWINGS.
- ANY "VERIFY" DIMENSION IS A FLEX AREA TO ALLOW FOR FIELD ADJUSTMENTS AND ALIGNMENT
- LOCATE DOORS 4" FROM HINGE SIDE TYPICALLY, UNLESS OTHERWISE SHOWN. AT LATCH SIDE OF DOOR PROVIDE A MINIMUM OF 18" CLEAR SPACE ON PULL SIDE OF DOOR AND 12" ON THE PUSH SIDE.
- REFER TO ENLARGED PLANS FOR ADDITIONAL DIMENSIONS.
- (V.I.F.) = VERIFY IN FIELD
- (FOC) = FACE OF CAST IN PLACE CONCRETE
- SEE DRYWALL SOFFITS INDICATED ON A700 SHEETS FOR ALIGNMENT WITH WALLS / CASEWORK BELOW.
- GYP. BD. ONE SIDE @ CHASE WALLS.

## KEYNOTE - DIMENSION

| # | DESCRIPTION |
|---|---|
| 1 | CAST IN PLACE CONCRETE "FIN" ELEMENT |
| 2 | BATTERED CAST IN PLACE BASE - SEE EXTERIOR ELEVATIONS & WALL SECTIONS |
| 3 | CAST IN PLACE CONCRETE PILASTER - SEE EXTERIOR ELEVATIONS |
| 4 | ELEVATOR - SEE SPECIFICATIONS - (5'-9" X 8'-8") CLEAR REQ'D. PER BASIS OF DESIGN MFR (OTIS- Gen 3 EDGE) |
| 5 | SOUTHERN ENTRY PAVILION |
| 6 | CAST IN PLACE CONCRETE RETAINING WALL - COORD. W/ CIVIL GRADING PLANS |
| 7 | MOTORIZED MOVEABLE WALL PANEL SYSTEM |
| 8 | CAST IN PLACE CONCRETE STAIR, (SEE STRUCT. DWGS.) |
| 9 | CAST IN PLACE CONCRETE RAMP W/ STEEL PIPE RAILING, (SEE SHEET A117) |
| 10 | CAST IN PLACE CONCRETE PATIO, (SEE CIVIL DWGS.) |
| 11 | MECHANICAL EQUIPMENT YARD, (COORD. W/ MECH. DWGS.) |
| 12 | ALIGN OPENINGS AT EAST AND WEST SIDES OF CONNECTOR |
| 13 | COORDINATE ROUGH OPENING AND FRAMING/ ANCHORING OF MOTORIZED WALL PANEL SYSTEM W/ MANUFACTURER |
| 14 | MAIN ELECTRICAL UNDERGROUND SERVICE TO RISE VERTICALLY UP SIDE OF BUILDING, (SEE ELECT. DWGS.) |
| 15 | VERTICAL 1" INSET INTO THE CIP WALL |
| 16 | CENTER OF STOREFRONT UNITS SHALL BE TUBE STEEL SUPPORT, (SEE STRUCT. DWGS.) |

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VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

3RD FLOOR DIMENSION PLAN

REVISIONS:

| No. | Description | Date |
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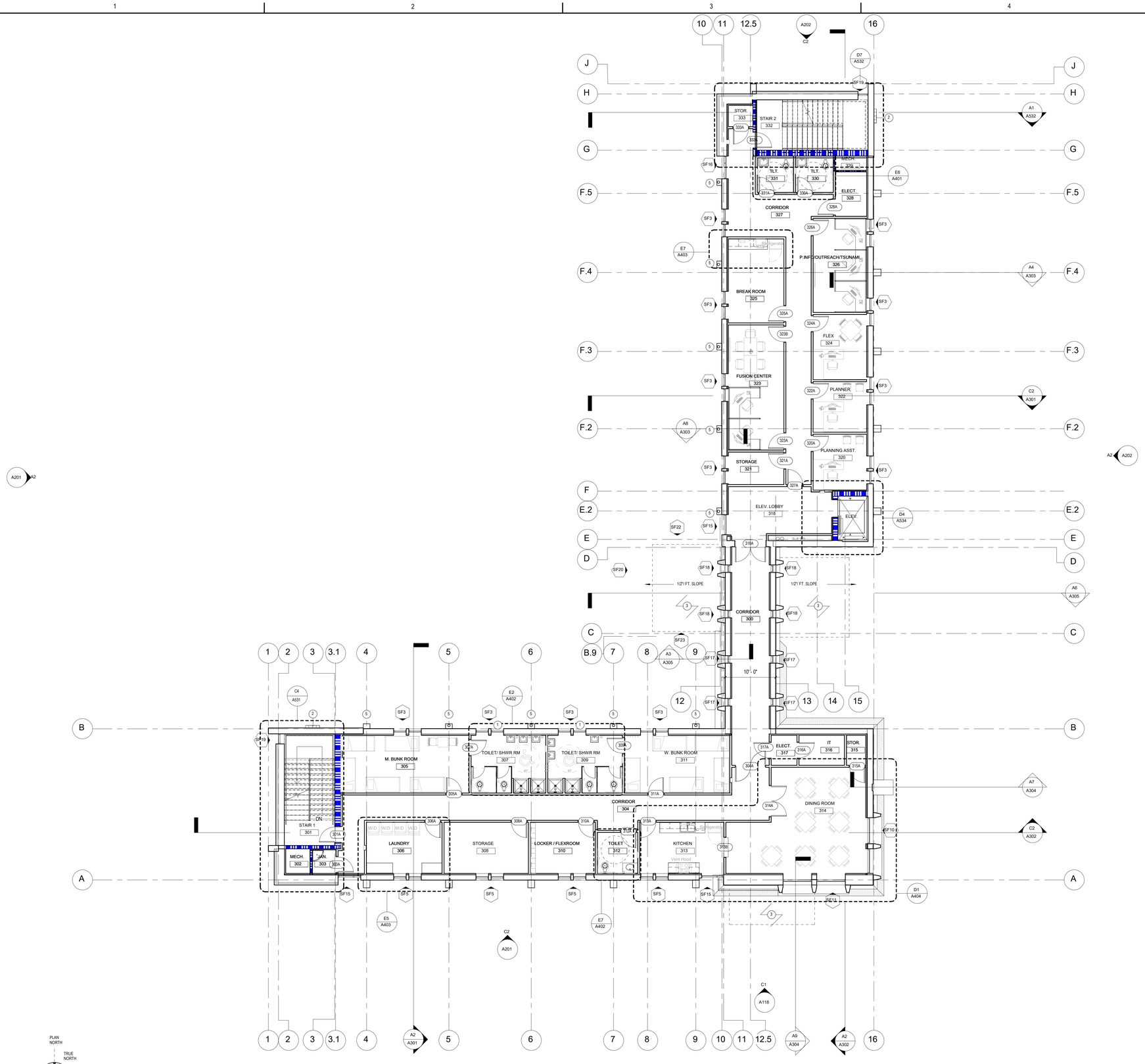
GDR PROJECT NUMBER 4340-0010

SHEET NUMBER A107

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PLAN NORTH

TRUE NORTH

**A1** 3RD FLOOR PLAN REFERENCE PLAN

A108 1/8" = 1'-0"

## GENERAL REFERENCE PLAN NOTES

- PROVIDE CONTINUOUS IN-WALL BLOCKING AS REQUIRED FOR ANY CABINETS OR WALL-MOUNTED EQUIPMENT AND ACCESSORIES AS INDICATED ON PLANS.
- REFER TO SPECIFICATIONS FOR GYPSUM BOARD CONTROL JOINTS; GC SHALL EQUALLY SPACE VERTICAL CONTROL JOINTS ON ALL WALLS THAT EXCEED 25 LINEAR FEET IN LENGTH TO DIVIDE THE WALL INTO EQUALLY SPACED SECTIONS THAT ARE LESS THAN 25 LINEAR FEET IN LENGTH. WHERE CONTROL JOINTS ARE LOCATED OPPOSING WALLS IN ANY GIVEN SPACE, THEY SHALL BE ALIGNED AND SPACED SUCH THAT NO SECTION IS GREATER THAN 25 LINEAR FEET IN LENGTH.
- SEE ENLARGED PLANS FOR FFE ITEMS.
- GENERAL CONTRACTOR TO ADD FACILITY LABELS OF RATED ASSEMBLIES, VALVE LOCATIONS, ETC. COORDINATE WITH OWNER DURING CONSTRUCTION.
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- FURNITURE & FURNITURE LAYOUT BY WB MASON CO FURNITURE VENDOR. REFER TO VENDOR DRAWINGS.
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## KEYNOTES - REFERENCE PLAN

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| 11 | PUMP ROOM ACCESS WELL WITH DRAIN, (SEE CIVIL DRAWINGS FOR CONTINUATION AND COORDINATED LENGTH OF WELL W/ FIN. GRADE) |
| 12 | PUMP ROOM EQUIPMENT WITH FLOOR DRAINS, (SEE PLUMB. DWGS.) |
| 13 | 2'x2' CISTERN ACCESS HATCH WITH SEALED METAL COVERS (1 PER CISTERN CHAMBER) |
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| 15 | 2'W x 4'H LOUVERED OPENING, (SEE PLUMB. DWGS.) |

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VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

3RD FLOOR REFERENCE PLAN

REVISIONS:

| No. | Description | Date |
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DRAWN BY: SRL

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NOVUS JOB NUMBER 470-20-02

ODR PROJECT NUMBER 4340-0010

SHEET NUMBER A108

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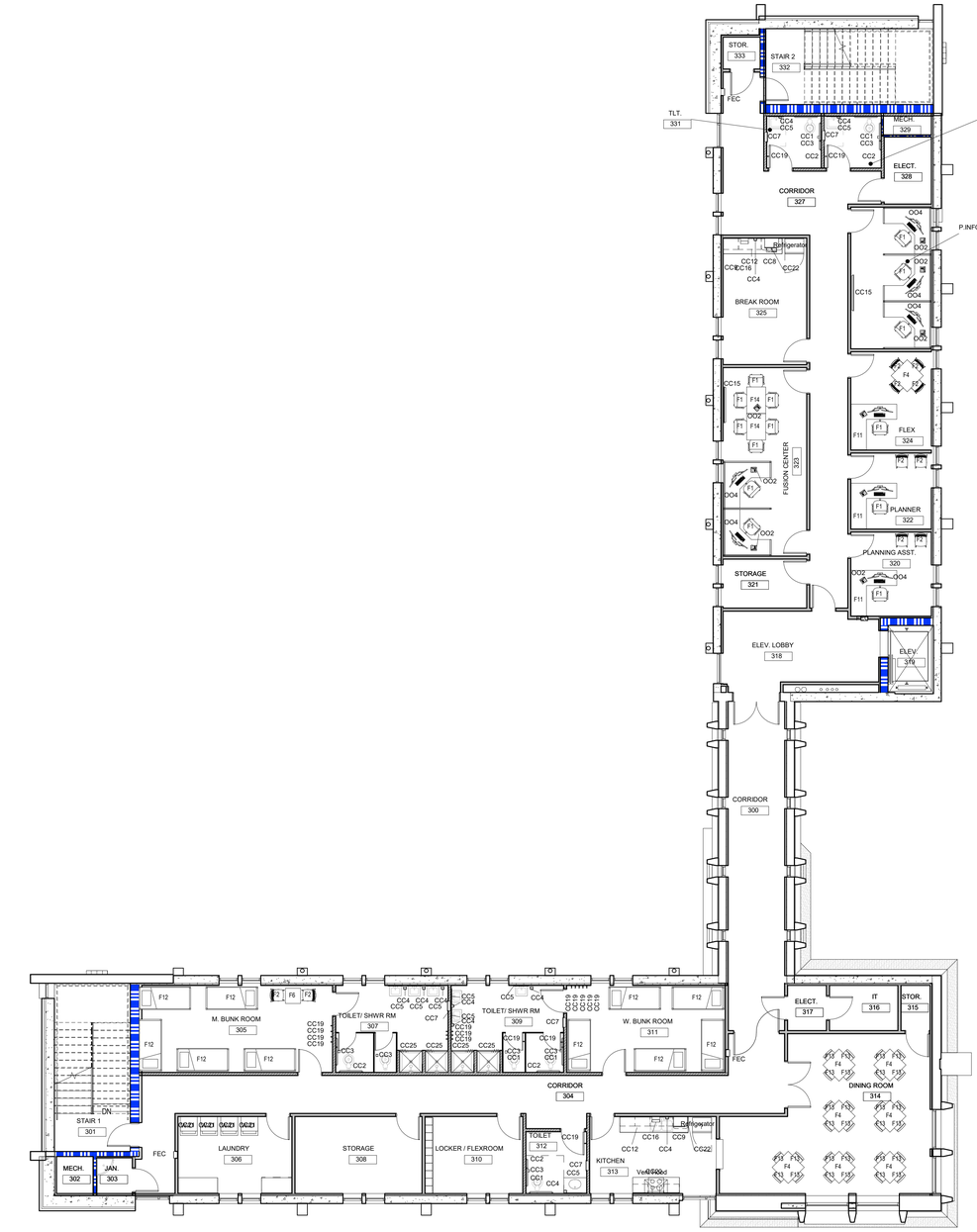
| EQUIPMENT - CONTRACTOR PROVIDED / CONTRACTOR INSTALLED | |
|---|---|
| **MARK** | **DESCRIPTION** |
| CC1 | TOILET SEAT COVER DISPENSER |
| CC2 | FLOOR MOUNTED WATER CLOSET W/ELONGATED BOWL & OPEN SEAT . REFER TO SHEET G003 FOR CONFIGURATION. |
| CC3 | TOILET PAPER DISPENSER |
| CC4 | SOAP DISPENSER |
| CC5 | MIRROR 24"X36" |
| CC7 | |
| CC8 | STEP N PULL FOOT OPERATED DOOR OPENER |
| CC9 | DISHWASHER |
| CC11 | 36" REFRIGERATOR WITH WATER AND ICE |
| CC12 | GARBAGE DISPOSAL |
| CC13 | COMPACT REFRIGERATOR |
| CC14 | BEVI STANDUP WATER DISPENSER - PROVIDE 120V OUTLET & 3/8" WATER LINE - REFER TO PLUMBING |
| CC15 | 65" MONITOR |
| CC16 | PAPER TOWEL DISPENSER - AUTOMATIC - SURFACE MOUNTED |
| CC18 | LOCKER |
| CC19 | COAT HOOK, SINGLE |
| CC20 | OVEN/ RANGE |
| CC21 | WASHER/ DRYER STACK |
| CC22 | Microwaves |
| CC23 | FOLDING SHOWER SEAT WITH LEGS |
| CC25 | SHOWER CURTAIN |
| CC28 | SHOWER CURTAIN ROD |
| CC31 | SHOWER GRAB BAR - 18" VERTICAL |
| FEC | SEMI RECESSED FIRE EXTINGUISHER CABINET |

| EQUIPMENT - OWNER PROVIDED / OWNER INSTALLED | | |
|---|---|---|
| **MARK** | **DESCRIPTION** | **COMMENTS** |
| OO1 | SINGLE MONITOR PC | |
| OO2 | DESK PHONE | |
| OO3 | COPIER | |
| OO4 | DUAL MONITOR PC | |

| FURNITURE SCHEDULE - OWNER PROVIDED / OWNER INSTALLED | |
|---|---|
| **TYPE MARK** | **DESCRIPTION** |
| F1 | TASK CHAIR WITH CASTERS |
| F2 | SIDE CHAIR |
| F3 | WORKSTATION 60"X36" |
| F4 | SQUARE TABLE 36"X36" |
| F5 | CONFERENCE TABLE 144"X42" |
| F6 | SQUARE TABLE 24"X24" |
| F7 | LOUNGE CHAIR |
| F8 | SQUARE COFFEE TABLE 36"x36" |
| F9 | LOVESEAT |
| F10 | PODIUM |
| F11 | DESK - L SHAPE 6' |
| F12 | TWIN BED |
| F13 | CHAIR, WITHOUT ARMS |
| F14 | TABLE 24"x40" |
| F15 | DESK 24"X36" |

## FURNITURE & EQUIPMENT NOTES

- SEE A400-SERIES FOR ADDITIONAL FURNITURE AND EQUIPMENT INFORMATION.
- CONTRACTOR TO PROVIDE CONTINUOUS IN-WALL BLOCKING FOR ANY CABINETS, EQUIPMENT, TOILET ACCESSORIES OR WHERE REQUIRED OTHERWISE.
- EQUIPMENT AND FURNITURE LIST IS OVERALL FOR ENTIRE PROJECT. NOT ALL FURNITURE OR EQUIPMENT LISTED WILL BE SHOWN ON EACH SHEET.
- CONTRACTOR TO VERIFY EQUIPMENT QUANTITIES SHOWN ON SCHEDULE WITH PLAN AND NOTIFY ARCHITECT/OWNER OF ANY DISCREPANCIES PRIOR TO PLACING EQUIPMENT ORDER.
- CONTRACTOR TO COORDINATE AN EQUIPMENT MEETING WITH OWNER/ ARCHITECT BEFORE INSTALLATION.
- NEW CEILING AND SOFFIT HEIGHTS NOTED ON RCP.
- REFER TO A400-SERIES FOR TYPICAL ENLARGED PLANS AND TOILET ROOMS ACCESSORIES.
- CONTRACTOR TO COORDINATE WITH VENDOR EQUIPMENT INSTALLATION. PROVIDE REQUIRED MEP SUPPORT NEEDED FOR ALL VENDOR INSTALL EQUIPMENT.
- CONTRACTOR TO VERIFY REQUIREMENTS OFF ALL EQUIPMENT, INCLUDING VENDOR INSTALL EQUIPMENT PRIOR INSTALLATION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES OR ADDITIONAL REQUIREMENTS NOT PROVIDED.
- ALL FURNITURE IS OWNER PROVIDED & OWNER INSTALLED.
- REFER TO MEP DRAWINGS IN CONJUNCTION WITH THIS SHEET, WHERE CONFLICTS @ LIGHT & AIR DEVICE LOCATIONS EXIST BETWEEN MEP AND ARCHITECTURAL, NOTIFY ARCHITECT.
- REFER TO VENDOR DRAWINGS FOR EQUIPMENT INFORMATION.




**A1** 3RD FLOOR FFE PLAN

A109 1/8" = 1'-0"

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| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA
Wind Retrofit & Safe Room
Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

3RD FLOOR FFE PLAN

| REVISIONS: | | |
|---|---|---|
| **No.** | **Description** | **Date** |

| | |
|---|---|
| DRAWN BY: | SRL |
| CHECKED BY: | JLT |
| DATE: | August 18, 2022 |

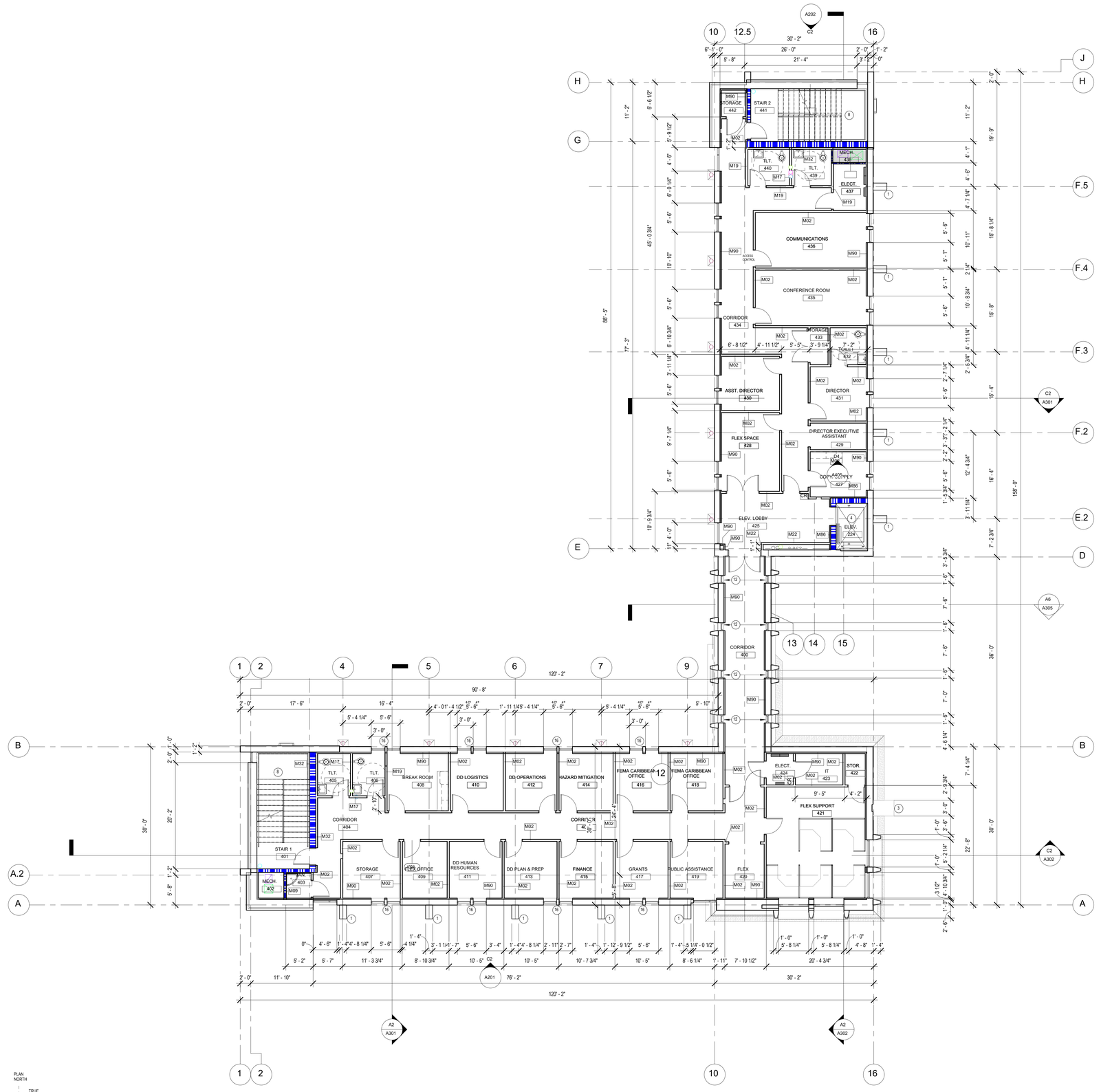
NOVUS JOB NUMBER
470-20-02

ODR PROJECT NUMBER
4340-0010

SHEET NUMBER
A109

30% CONSTRUCTION DOCUMENTS

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PLAN NORTH
TRUE NORTH

**A1** 4TH FLOOR DIMENSION PLAN

A110 1/8" = 1'-0"

## GENERAL DIMENSION NOTES

- PRIOR TO CONSTRUCTION, CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT OF ALL DISCREPANCIES.
- DIMENSIONS ARE FROM FACE OF STUD (FOS) TO FACE OF STUD AT NEW WALLS, UNLESS OTHERWISE NOTED.
- DIMENSIONS MAY TIE TO STRUCTURAL GRID. COORDINATE WITH STRUCTURAL DRAWINGS.
- ANY "VERIFY" DIMENSION IS A FLEX AREA TO ALLOW FOR FIELD ADJUSTMENTS AND ALIGNMENT.
- LOCATE DOORS 4" FROM HINGE SIDE TYPICALLY, UNLESS OTHERWISE SHOWN. AT LATCH SIDE OF DOOR PROVIDE A MINIMUM OF 18" CLEAR SPACE ON PULL SIDE OF DOOR AND 12" ON THE PUSH SIDE.
- REFER TO ENLARGED PLANS FOR ADDITIONAL DIMENSIONS.
- (V.I.F.) = VERIFY IN FIELD
- (FOC) = FACE OF CAST IN PLACE CONCRETE
- SEE DRYWALL SOFFITS INDICATED ON A700 SHEETS FOR ALIGNMENT WITH WALLS / CASEWORK BELOW.
- GYP. BD. ONE SIDE @ CHASE WALLS.

## KEYNOTE - DIMENSION

| # | DESCRIPTION |
|---|---|
| 1 | CAST IN PLACE CONCRETE "FIN" ELEMENT |
| 2 | BATTERED CAST IN PLACE BASE - SEE EXTERIOR ELEVATIONS & WALL SECTIONS |
| 3 | CAST IN PLACE CONCRETE PILASTER - SEE EXTERIOR ELEVATIONS |
| 4 | ELEVATOR - SEE SPECIFICATIONS - (5'-9" X 8'-8") CLEAR REQ'D. PER BASIS OF DESIGN MFR (OTIS- Gen 3 EDGE) |
| 5 | SOUTHERN ENTRY PAVILION |
| 6 | CAST IN PLACE CONCRETE RETAINING WALL - COORD. W/ CIVIL GRADING PLANS |
| 7 | MOTORIZED MOVEABLE WALL PANEL SYSTEM |
| 8 | CAST IN PLACE CONCRETE STAIR, (SEE STRUCT. DWGS.) |
| 9 | CAST IN PLACE CONCRETE RAMP W/ STEEL PIPE RAILING, (SEE SHEET A117) |
| 10 | CAST IN PLACE CONCRETE PATIO, (SEE CIVIL DWGS.) |
| 11 | MECHANICAL EQUIPMENT YARD, (COORD. W/ MECH. DWGS.) |
| 12 | ALIGN OPENINGS AT EAST AND WEST SIDES OF CONNECTOR |
| 13 | COORDINATE ROUGH OPENING AND FRAMING/ ANCHORING OF MOTORIZED WALL PANEL SYSTEM W/ MANUFACTURER |
| 14 | MAIN ELECTRICAL UNDERGROUND SERVICE TO RISE VERTICALLY UP SIDE OF BUILDING, (SEE ELECT. DWGS.) |
| 15 | VERTICAL 1" INSET INTO THE CIP WALL |
| 16 | CENTER OF STOREFRONT UNITS SHALL BE TUBE STEEL SUPPORT, (SEE STRUCT. DWGS.) |

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VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder; 102-B, 102-C Estate Hermon Hill

4TH FLOOR DIMENSION PLAN

NOT FOR CONSTRUCTION

30% CONSTRUCTION DOCUMENTS

REVISIONS:

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|---|---|---|

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CHECKED BY: JLT

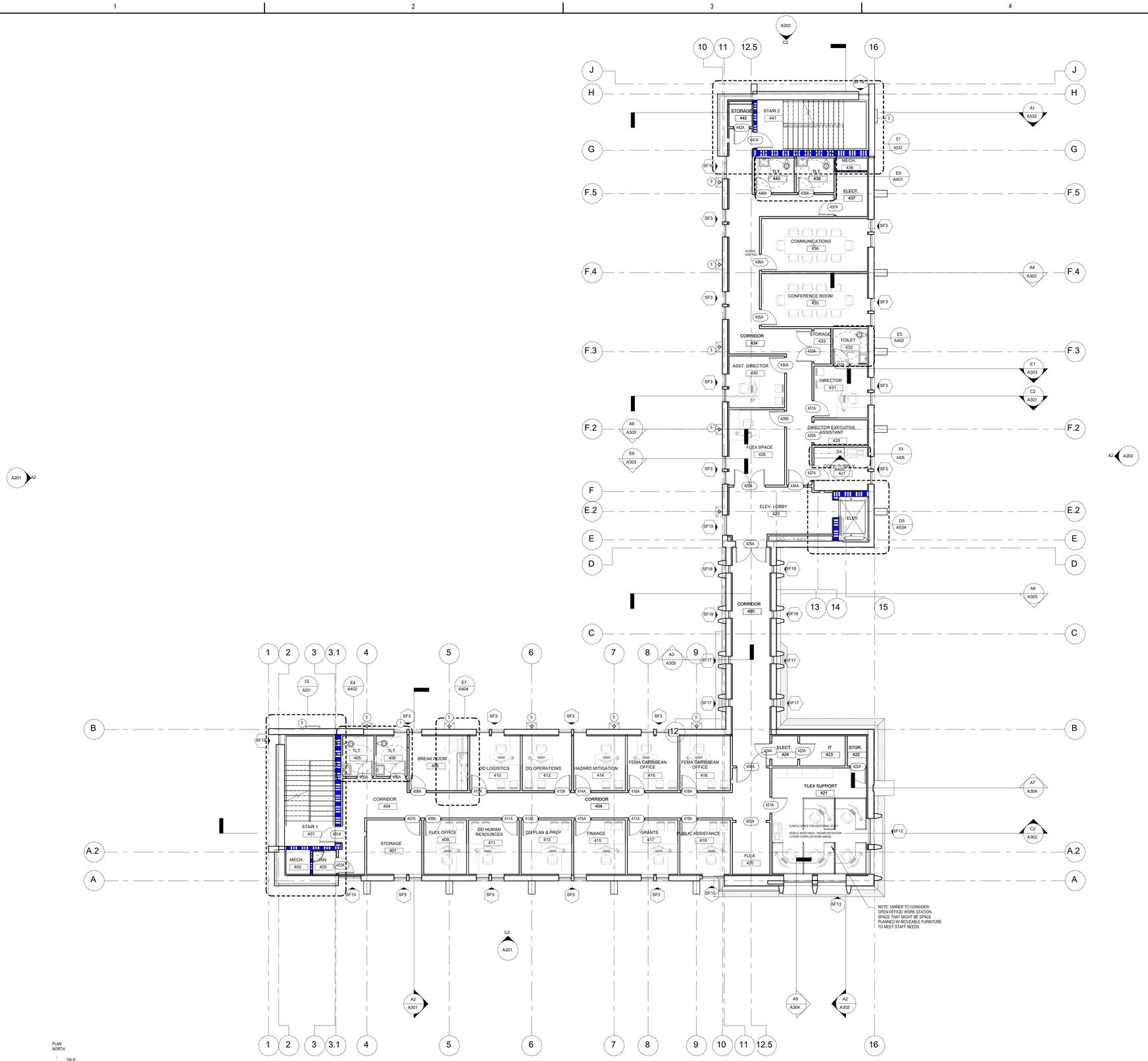
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NOVUS JOB NUMBER: 470-20-02

CDR PROJECT NUMBER: 4340-0010

SHEET NUMBER: A110

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PLAN NORTH

TRUE NORTH

**A1** 4TH FLOOR PLAN REFERENCE PLAN

A111 1/8" = 1'-0"

## GENERAL REFERENCE PLAN NOTES

- PROVIDE CONTINUOUS IN-WALL BLOCKING AS REQUIRED FOR ANY CABINETS OR WALL-MOUNTED EQUIPMENT AND ACCESSORIES AS INDICATED ON PLANS.
- REFER TO SPECIFICATIONS FOR GYPSUM BOARD CONTROL JOINTS; GC SHALL EQUALLY SPACE VERTICAL CONTROL JOINTS ON ALL WALLS THAT EXCEED 25 LINEAR FEET IN LENGTH TO DIVIDE THE WALL INTO EQUALLY SPACED SECTIONS THAT ARE LESS THAN 25 LINEAR FEET IN LENGTH. WHERE CONTROL JOINTS ARE LOCATED OPPOSING WALLS IN ANY GIVEN SPACE, THEY SHALL BE ALIGNED AND SPACED SUCH THAT NO SECTION IS GREATER THAN 25 LINEAR FEET IN LENGTH.
- SEE ENLARGED PLANS FOR FFE ITEMS.
- GENERAL CONTRACTOR TO ADD FACILITY LABELS OF RATED ASSEMBLIES, VALVE LOCATIONS, ETC. COORDINATE WITH OWNER DURING CONSTRUCTION.
- REFER TO ENLARGED PLANS FOR ADDITIONAL DIMENSIONS.
- FURNITURE & FURNITURE LAYOUT BY WB MASON CO FURNITURE VENDOR. REFER TO VENDOR DRAWINGS.
- REFER TO A6025 FOR INTERIOR STOREFRONT AND WINDOW ELEVATIONS.
- CONTRACTOR TO REVIEW SCOPE OF WORK WITH OTHER DISCIPLINES FOR COORDINATION - CONTACT ARCHITECT IF ANY CONDITIONS CONFLICT WITH SCOPE OF WORK OR ARE IN QUESTION.

## KEYNOTES - REFERENCE PLAN

| # | DESCRIPTION |
|---|---|
| 1 | PROVIDE PRIVACY FILM ON INTERIOR FACE OF EXTERIOR GLAZING |
| 2 | ANODIZED ALUMINUM "VITEMA" SIGNAGE LETTERS |
| 3 | ROOF BELOW |
| 4 | CAST IN PLACE CONCRETE EXTERIOR STAIR WITH STEEL RAILINGS |
| 5 | DOWNSPOUTS (CIRCULAR AND RECTALINEAR), SEE EXTERIOR ELEVATIONS |
| 6 | SERVICE YARD |
| 7 | MOTORIZED RETRACTABLE ACOUSTIC PARTITIONS |
| 8 | MECHANICAL YARD |
| 9 | STAFF PATIO |
| 10 | CISTERN COMPARTMENT |
| 11 | PUMP ROOM ACCESS WELL WITH DRAIN, (SEE CIVIL DRAWINGS FOR CONTINUATION AND COORDINATED LENGTH OF WELL W/ FIN. GRADE) |
| 12 | PUMP ROOM EQUIPMENT WITH FLOOR DRAINS, (SEE PLUMB. DWGS.) |
| 13 | 2'x2' CISTERN ACCESS HATCH WITH SEALED METAL COVERS (1 PER CISTERN CHAMBER) |
| 14 | FLOOR DRAIN, (SEE PLUMB. DWGS.) |
| 15 | 2'W x 4'H LOUVERED OPENING, (SEE PLUMB. DWGS.) |

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VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

4TH FLOOR REFERENCE PLAN

NOT FOR CONSTRUCTION

30% CONSTRUCTION DOCUMENTS

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER 470-20-02

ODR PROJECT NUMBER 4340-0010

SHEET NUMBER A111

| EQUIPMENT - CONTRACTOR PROVIDED / CONTRACTOR INSTALLED | |
|---|---|
| **MARK** | **DESCRIPTION** |
| | |
| CC1 | TOILET SEAT COVER DISPENSER |
| CC2 | FLOOR MOUNTED WATER CLOSET W/ELONGATED BOWL & OPEN SEAT . REFER TO SHEET G003 FOR CONFIGURATION. |
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| CC25 | SHOWER CURTAIN |
| CC28 | SHOWER CURTAIN ROD |
| CC31 | SHOWER GRAB BAR - 18" VERTICAL |
| FEC | SEMI RECESSED FIRE EXTINGUISHER CABINET |

| EQUIPMENT - OWNER PROVIDED / OWNER INSTALLED | | |
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| OO2 | DESK PHONE | |
| OO3 | COPIER | |
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| FURNITURE SCHEDULE - OWNER PROVIDED / OWNER INSTALLED | |
|---|---|
| **TYPE MARK** | **DESCRIPTION** |
| | |
| F1 | TASK CHAIR WITH CASTERS |
| F2 | SIDE CHAIR |
| F3 | WORKSTATION 60"X36" |
| F4 | SQUARE TABLE 36"X36" |
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| F8 | SQUARE COFFEE TABLE 36"X36" |
| F9 | LOVESEAT |
| F10 | PODIUM |
| F11 | DESK - L SHAPE 6' |
| F12 | TWIN BED |
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## FURNITURE & EQUIPMENT NOTES

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- CONTRACTOR TO VERIFY REQUIREMENTS OFF ALL EQUIPMENT, INCLUDING VENDOR INSTALL EQUIPMENT PRIOR INSTALLATION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES OR ADDITIONAL REQUIREMENTS NOT PROVIDED.
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- REFER TO MEP DRAWINGS IN CONJUNCTION WITH THIS SHEET. WHERE CONFLICTS @ LIGHT & AIR DEVICE LOCATIONS EXIST BETWEEN MEP AND ARCHITECTURAL, NOTIFY ARCHITECT.
- REFER TO VENDOR DRAWINGS FOR EQUIPMENT INFORMATION.




**A1** 4TH FLOOR FFE PLAN

A112 1/8" = 1'-0"

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VITEMA
Wind Retrofit & Safe Room
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4TH FLOOR FFE PLAN

REVISIONS:

| No. | Description | Date |
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DRAWN BY: SRL
CHECKED BY: JLT
DATE: August 18, 2022

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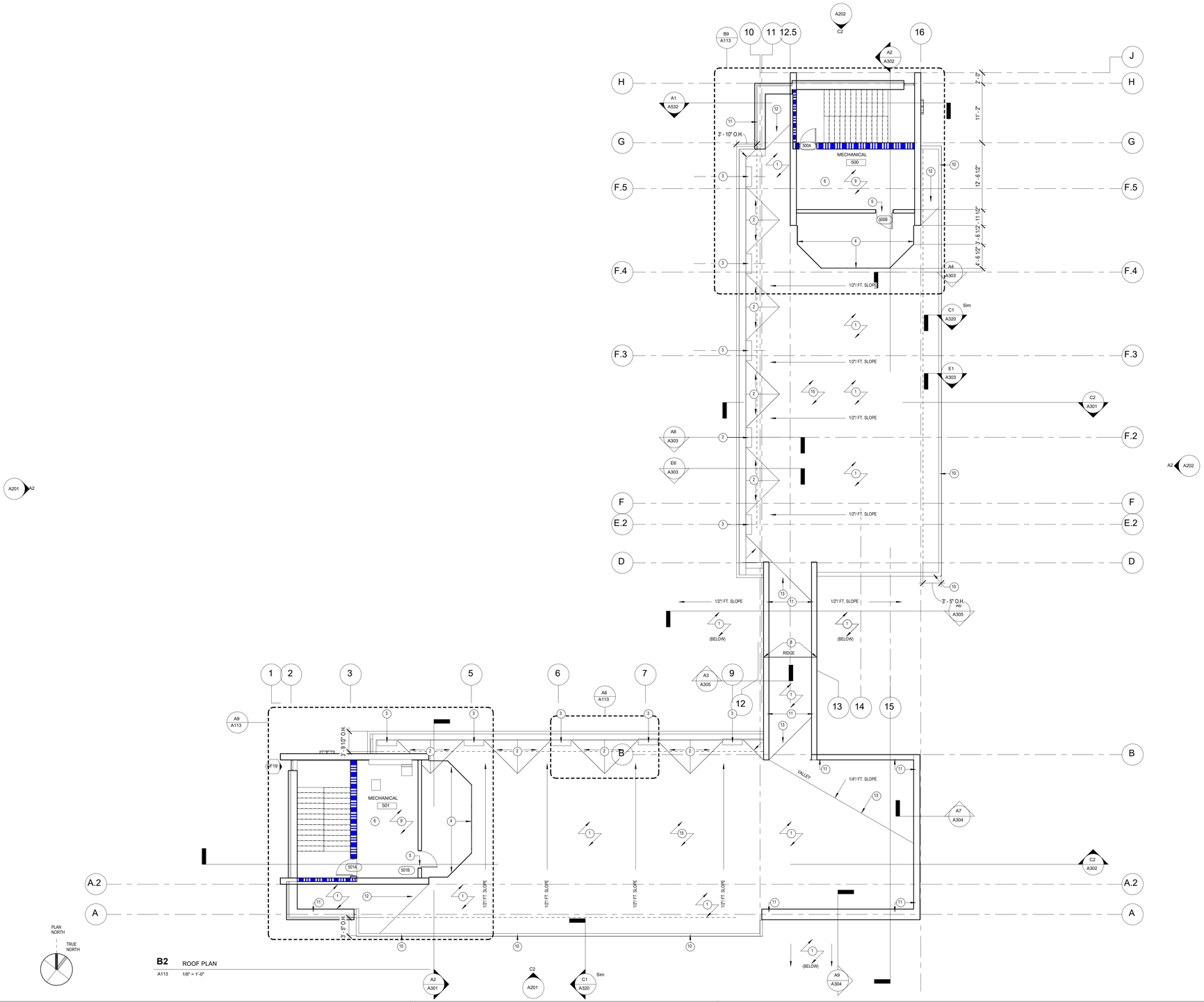
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SHEET NUMBER
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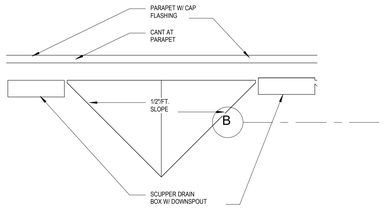
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**B2** ROOF PLAN
A113 1/8" = 1'-0"



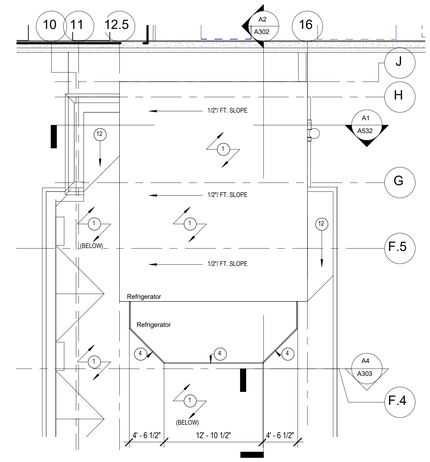

**A6** ROOF DETAIL - CRICKET/SCUPPER
A113 1/4" = 1'-0"

## GENERAL ROOF NOTES

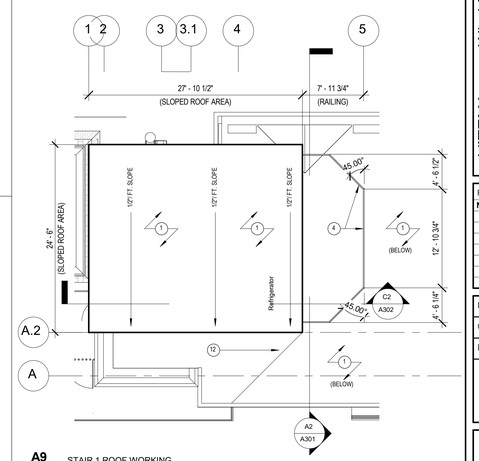
1. SEE MPE FOR NEW ROOF TOP EQUIPMENT.
2. SEE STRUCTURAL DRAWINGS FOR SUPPORT OF ALL NEW ROOF CURBS.
3. COORDINATE SIZE OF ROOF CURBS TO MATCH ROOFING MATERIAL THICKNESS OF NEW ROOF.
4.

## KEYNOTES - ROOF

| # | DESCRIPTION |
|---|---|
| 1 | FLUID APPLIED MEMBRANE ROOFING SYSTEM OVER CAST IN PLACE CONCRETE ROOF STRUCTURE, (SEE STRUCT. DWGS.) |
| 2 | ROOF DRAINAGE CRICKET. COORDINATE 1/2"/FT. MIN. SLOPE TO ROOF SCUPPERS, (TYP) |
| 3 | ROOF DRAINAGE SCUPPER & DOWNSPOUT LOCATION- COORDINATE WITH DRAINAGE PIPING BELOW TO CISTERN OR AS DIRECTED BY CIVIL AND PLUMBING DRAWINGS |
| 4 | STEEL PIPE GUARDRAIL, PAINT, (SEE ____ DETAIL) |
| 5 | CURB/ DOOR THRESHOLD, (8" MIN. ABOVE ADJACENT MEMBRANE ROOFING, TYP) |
| 6 | REFER TO MECHANICAL DRAWINGS FOR MECHANICAL EQUIPMENT INFORMATION |
| 8 | BUILDING EXPANSION JOINT |
| 9 | SEE ENLARGED PLANS FOR ROOF OVER STAIR/ MECHANICAL ROOM |
| 10 | 6" CURB AT EDGE OF ROOF |
| 11 | METAL COPING CAP FLASHING |
| 12 | CRICKET, (SLOPED 1/4"/FT.) |
| 13 | FLUID APPLIED MEMBRANE ROOFING SYSTEM OVER 1/4"/FT. SLOPED CAST IN PLACE CONCRETE ROOF SLAB, (SEE STRUCT. DWGS.) |
| 15 | LIGHTNING PROTECTION SYSTEM ACROSS ROOF OF BUILDING, (SEE ELECT. DWGS.) |




**B9** STAIR 2 ROOF WORKING
A113 1/8" = 1'-0"




**A9** STAIR 1 ROOF WORKING
A113 1/8" = 1'-0"

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ROOF PLAN

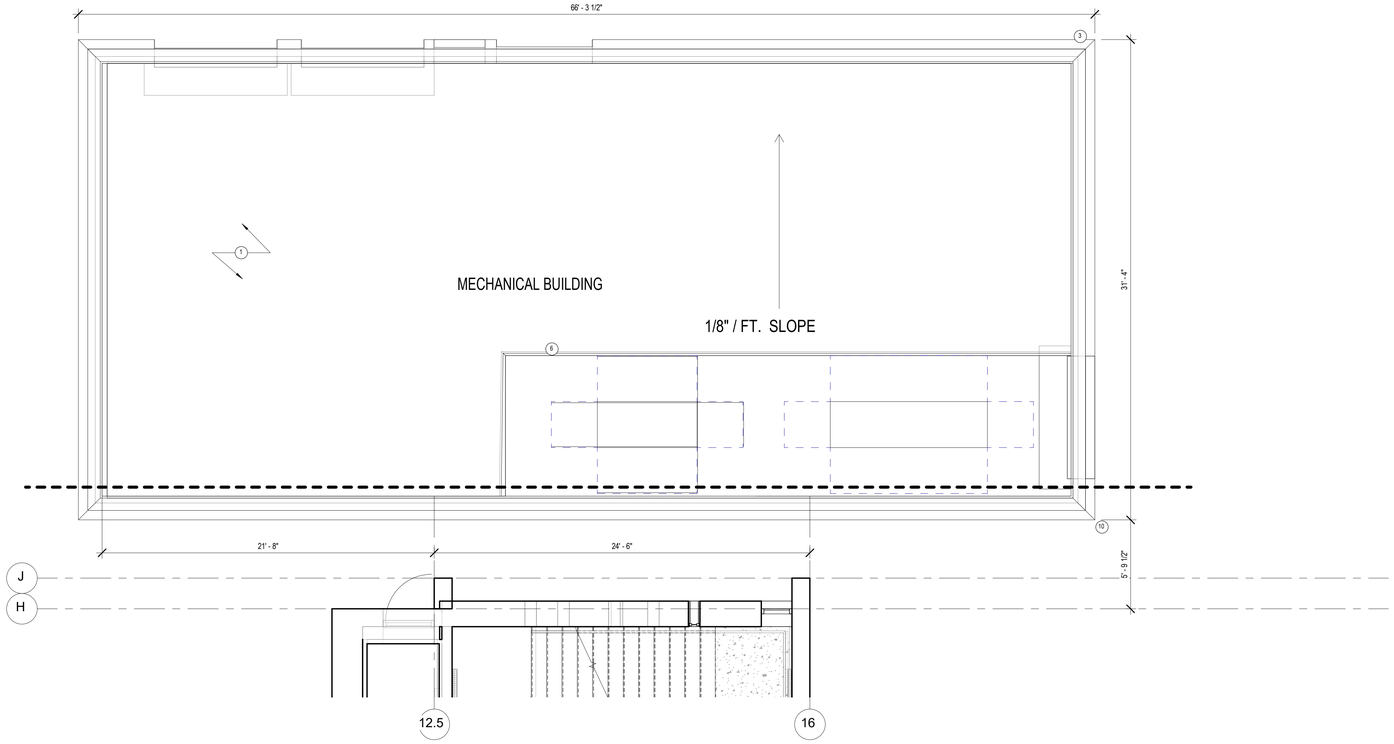
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NOVUS JOB NUMBER 470-20-02
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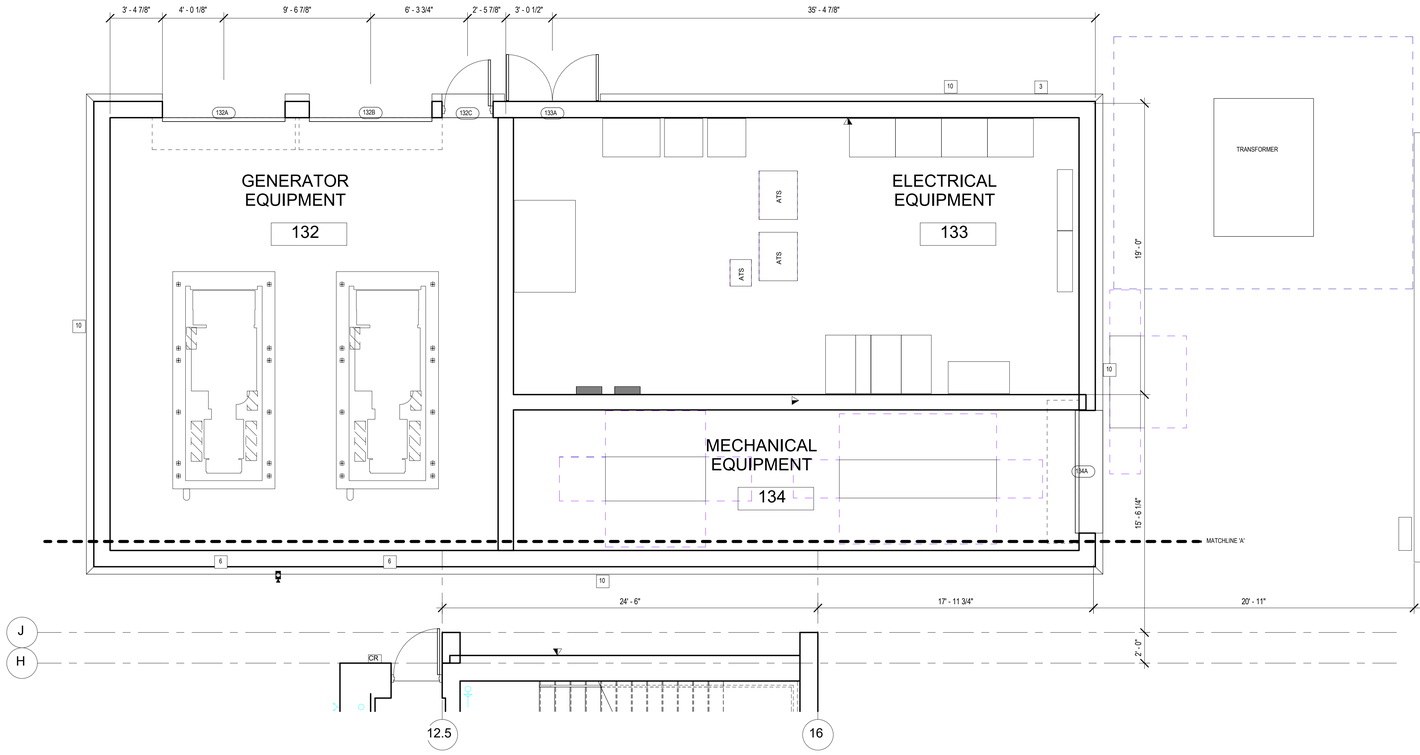
SHEET NUMBER
A113

30% CONSTRUCTION DOCUMENTS
NOT FOR CONSTRUCTION




**C1** ROOF PLAN - N.E. MECH. BUILDING

A114 1/4" = 1'-0"




**A1** PLAN - N.E. MECHANICAL BUILDING

A114 1/4" = 1'-0"

## GENERAL ENLARGED PLAN & ELEVATION NOTES

1. VERIFY IN FIELD LOCATION OF EXISTING WAPA ELECTICAL METER
2. VERIFY IN FIELD LOCATION OF EXISTING WAPA ELECTICAL MAIN DISCONNECT: 225 AMPS, 120 / 240 VOLT
3. UL USAGE CLASSIFICATION CLASS II - COMMERCIAL GENERAL ACCESS VEHICULAR GATE

## KEYNOTES - ELEVATION

| # | DESCRIPTION |
|---|---|
| 1 | ANODIZED ALUMINUM "VITEMA" SIGNAGE LETTERS |
| 2 | 2-COAT DIRECT APPLIED SYNTHETIC STUCCO FINISH OVER CAST IN PLACE CONCRETE WALL |
| 3 | 2-COAT DIRECT APPLIED SYNTHETIC STUCCO FINISH OVER CAST IN PLACE CONCRETE AT VERTICAL TAPERED "FIN" ELEMENT |
| 4 | POLISHED FACE 4x8x16 CMU VENEER MECHANICALLY ATTACHED TO C.I.P. CONC. WALL (PROVIDE CAST STONE CAP @ TOP) |
| 5 | GLAZED MASONRY VENEER RANDOM COLOR PATTERN (ANCHORED VIA DOVETAIL ANCHOR SYSTEM) TO CAST IN PLACE STRUCT. CONCRETE WALL (PROVIDE CAST STONE CAP @ TOP) |
| 6 | LOUVERED OPENING |
| 7 | 1CC-500 COMPLIANT WIND AND IMPACT RESISTANT ALUM. GLAZING FRAME AND EXTERIOR DOOR SYSTEM |
| 8 | CAST IN PLACE CONCRETE FLOOR SLAB EXTENSION |
| 9 | VERTICAL/ HORIZONTAL SCORE JOINT IN STUCCO FINISH |
| 10 | CAST IN PLACE CONCRETE BATTERED WALL BASE, INTEGRAL TO WALL. TOTAL THICKNESS INCREASES 1/2" AT BASE OF WALL FROM STANDARD WALL THICKNESS. PROVIDE CAST STONE CAP AT TOP OF WALL (TYP) |
| 11 | SLOPED ROOF WITH FLUID APPLIED MEMBRANE ROOFING OVER CAST IN PLACE CONCRETE ROOF STRUCTURE |
| 13 | 2-COAT DIRECT APPLIED SYNTHETIC STUCCO FINISH OVER CAST IN PLACE CONCRETE PROJECTION SURROUNDING WINDOW OPENING W/ TAPERED EDGES |
| 14 | CAST IN PLACE CONCRETE STAIR W/ STEEL PIPE RAILING |
| 15 | CAST IN PLACE CONCRETE VERTICAL TAPERED "BUTTRESS" ELEMENT |
| 16 | STEEL PIPE RAILING |
| 17 | ROOF DRAINAGE SCUPPER BOX & DOWNSPOUT |
| 18 | BUILDING EXPANSION JOINT, (SEE STRUCT. DWGS.) |
| 19 | 2-COAT DIRECT APPLIED SYNTHETIC STUCCO FINISH OVER CAST IN PLACE CONCRETE STAIR OR RAMP W/ STEEL PIPE RAILING |
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| 24 | METAL COPING PARAPET CAP FLASHING |
| 25 | CAST IN PLACE CONCRETE CANTILEVERED ROOF SLAB EXTENSION W/ CAST IN PLACE CONCRETE ROOF JOIST EXTENSIONS |

## KEYNOTES - ROOF

| # | DESCRIPTION |
|---|---|
| 1 | FLUID APPLIED MEMBRANE ROOFING SYSTEM OVER CAST IN PLACE CONCRETE ROOF STRUCTURE, (SEE STRUCT. DWGS.) |
| 2 | ROOF DRAINAGE CRICKET. COORDINATE 1/2"/FT. MIN. SLOPE TO ROOF SCUPPERS, (TYP) |
| 3 | ROOF DRAINAGE SCUPPER & DOWNSPOUT LOCATION- COORDINATE WITH DRAINAGE PIPING BELOW TO CISTERN OR AS DIRECTED BY CIVIL AND PLUMBING DRAWINGS |
| 4 | STEEL PIPE GUARDRAIL, PAINT, (SEE DETAIL) |
| 5 | CURB/ DOOR THRESHOLD, (8" MIN. ABOVE ADJACENT MEMBRANE ROOFING, TYP) |
| 6 | REFER TO MECHANICAL DRAWINGS FOR MECHANICAL EQUIPMENT INFORMATION |
| 8 | BUILDING EXPANSION JOINT |
| 9 | SEE ENLARGED PLANS FOR ROOF OVER STAIR/ MECHANICAL ROOM |
| 10 | 6" CURB AT EDGE OF ROOF |
| 11 | METAL COPING CAP FLASHING |
| 12 | CRICKET, (SLOPED 1/4"/FT.) |
| 13 | FLUID APPLIED MEMBRANE ROOFING SYSTEM OVER 1/4"/FT. SLOPED CAST IN PLACE CONCRETE ROOF SLAB, (SEE STRUCT. DWGS.) |
| 15 | LIGHTNING PROTECTION SYSTEM ACROSS ROOF OF BUILDING, (SEE ELECT. DWGS.) |

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| B | 30% CDs | 08.18.2022 |
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| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

N.E. MECHANICAL BUILDING PLANS

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER 470-20-02

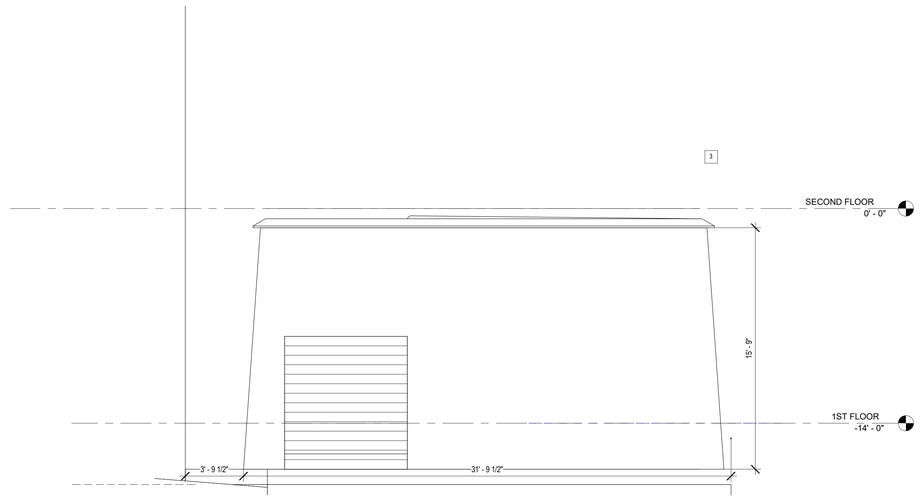
ODR PROJECT NUMBER 4340-0010

SHEET NUMBER A114

30% CONSTRUCTION DOCUMENTS

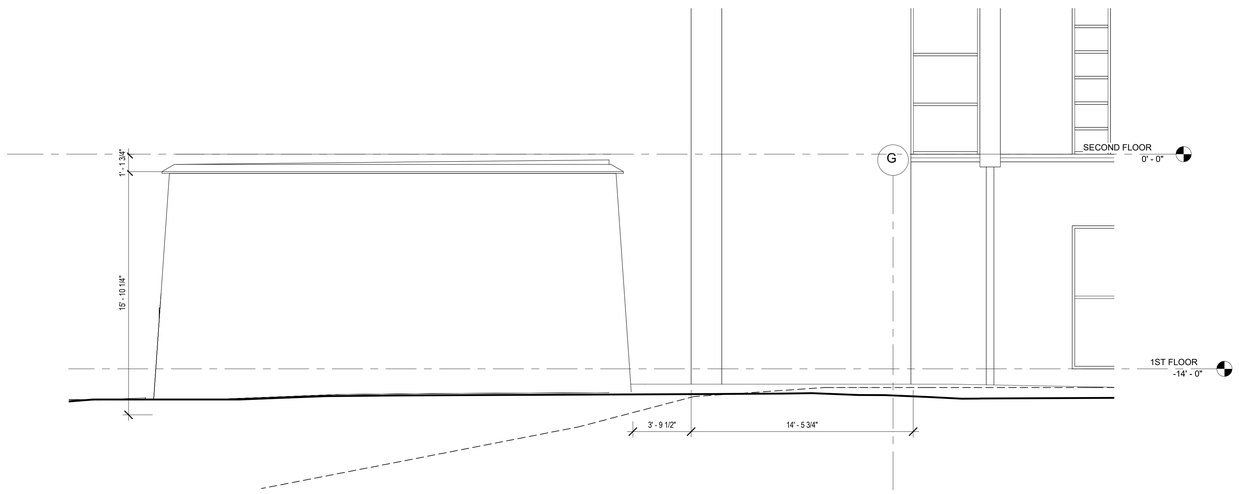
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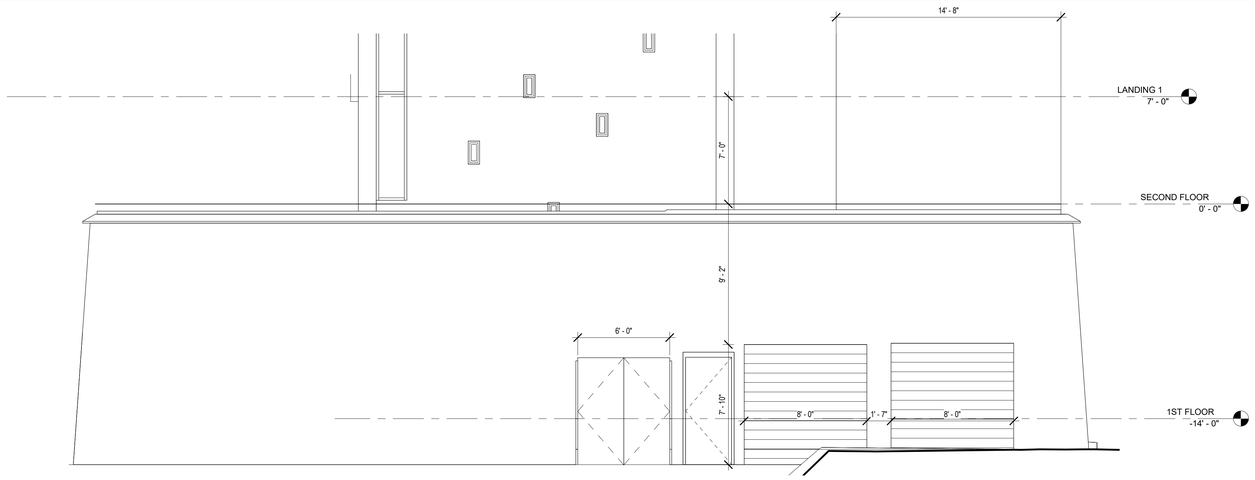

**D1** ELEVATION - N.E. MECHANICAL YARD - EAST

A115 1/4" = 1'-0"




**B1** ELEVATION - N.E. MECHANICAL YARD - WEST

A115 1/4" = 1'-0"




**A1** ELEVATION - N.E. MECHANICAL YARD - NORTH

A115 1/4" = 1'-0"

## GENERAL ENLARGED PLAN & ELEVATION NOTES

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## KEYNOTES - ELEVATION

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VITEMA Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

N.E. MECHANICAL BUILDING ELEVATIONS

REVISIONS:

| No. | Description | Date |
|---|---|---|
| | | |

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER 470-20-02

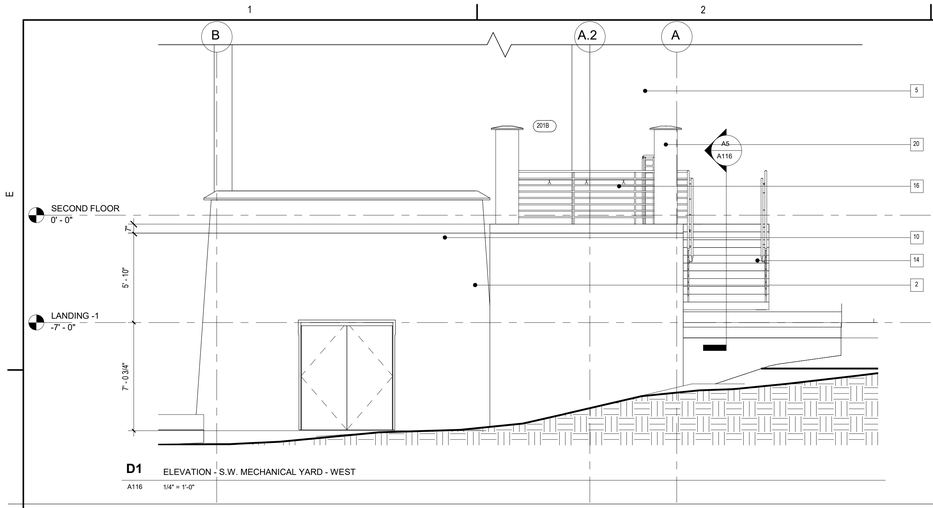
ODR PROJECT NUMBER 4340-0010

SHEET NUMBER A115

30% CONSTRUCTION DOCUMENTS

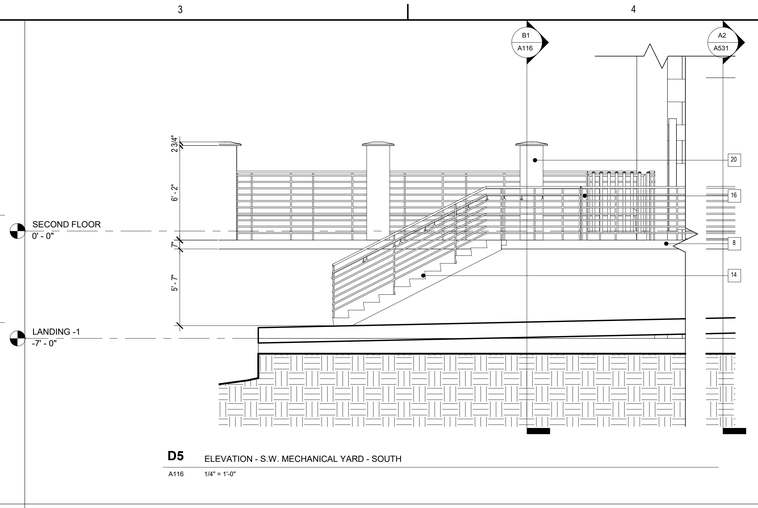
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**D1** ELEVATION - S.W. MECHANICAL YARD - WEST

A116 1/4" = 1'-0"




**D5** ELEVATION - S.W. MECHANICAL YARD - SOUTH

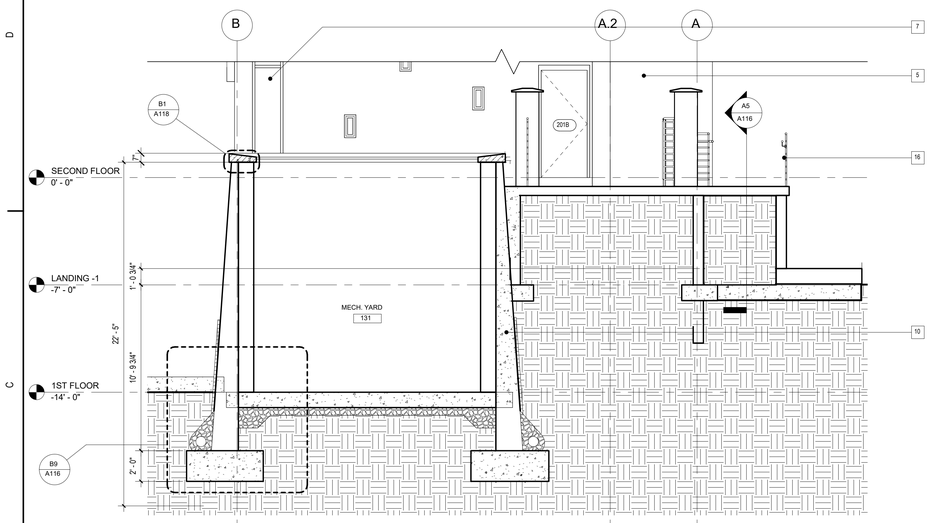
A116 1/4" = 1'-0"

## GENERAL ENLARGED PLAN & ELEVATION NOTES

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2. VERIFY IN FIELD LOCATION OF EXISTING WAPA ELECTICAL MAIN DISCONNECT: 225 AMPS, 120 / 240 VOLT
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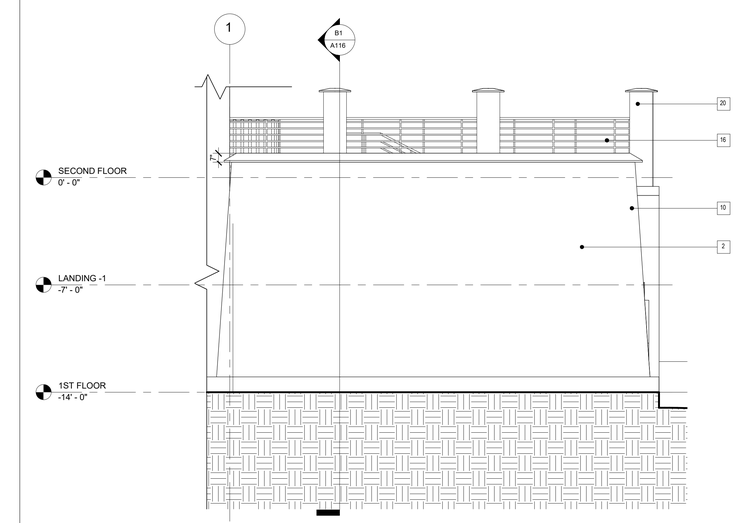
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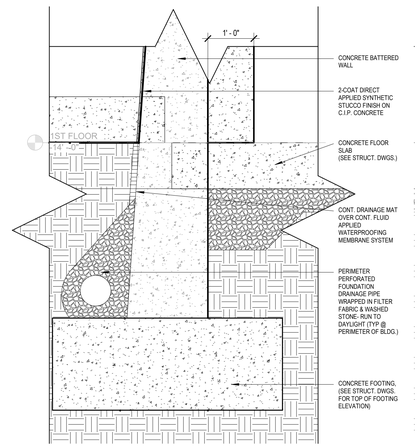

**B1** SECTION - S.W. MECHANICAL YARD

A116 1/4" = 1'-0"



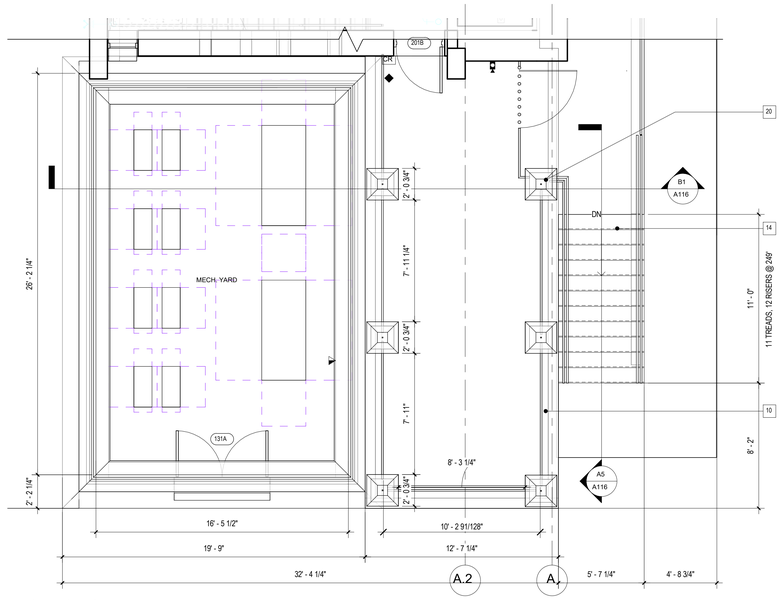

**B5** ELEVATION - S.W. MECHANICAL YARD - NORTH

A116 1/4" = 1'-0"



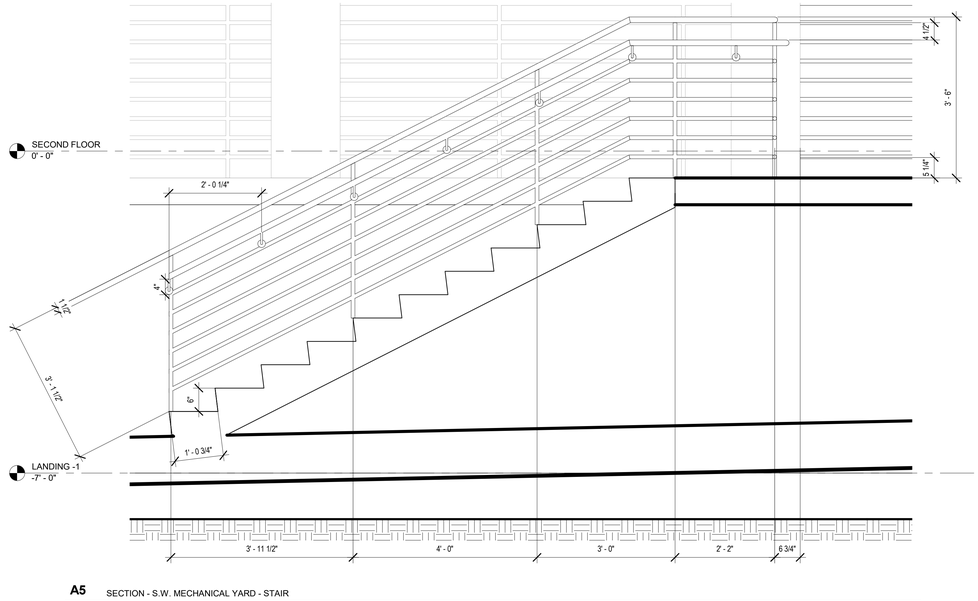

**B9** SECTION - S.W. MECHANICAL YARD - BASE OF WALL

A116 3/4" = 1'-0"




**A1** PLAN - S.W. MECHANICAL YARD

A116 1/4" = 1'-0"




**A5** SECTION - S.W. MECHANICAL YARD - STAIR

A116 3/4" = 1'-0"

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VITEMA
Wind Retrofit & Safe Room
Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

S.E. MECHANICAL YARD & PATIO

REVISIONS:

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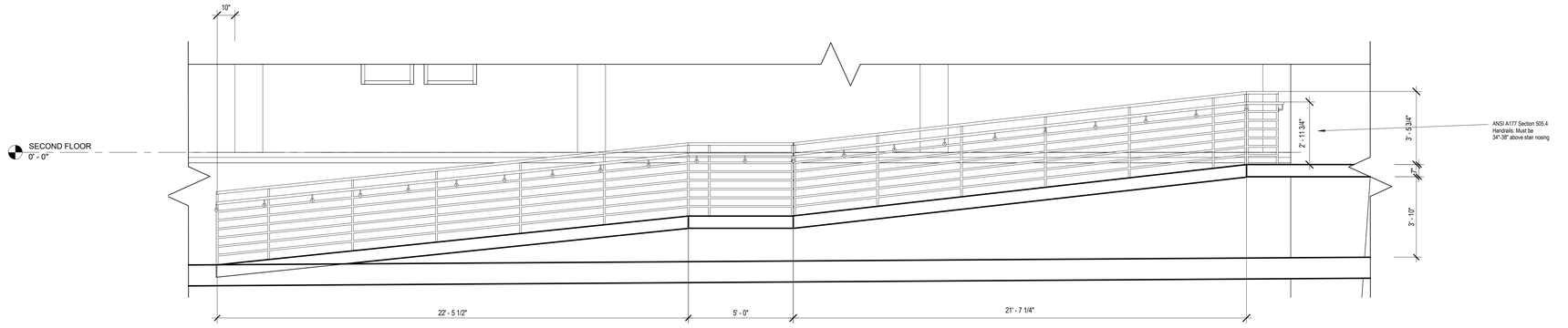
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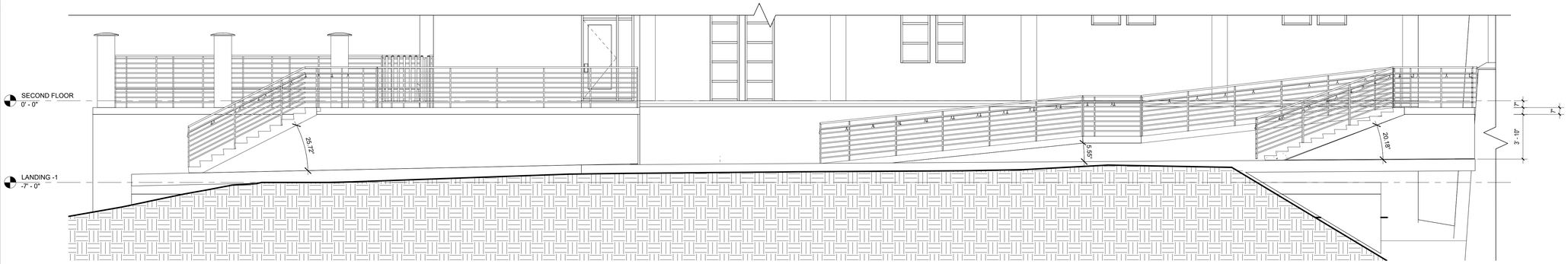
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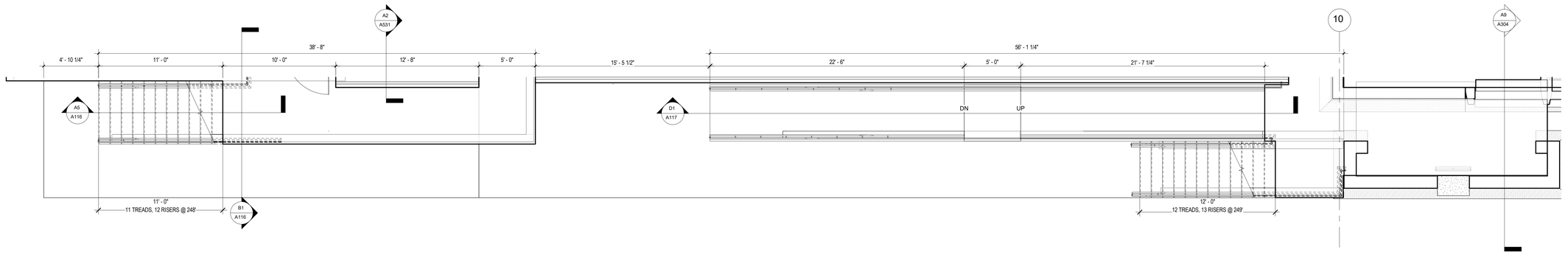

**D1** SECTION - SOUTH RAMP

A117 3/8" = 1'-0"




**B1** ELEVATION - SOUTH EGRESS

A117 1/4" = 1'-0"




**A1** PLAN - SOUTH EGRESS/RAMP/STAIR

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Wind Retrofit & Safe Room
VITEMA
Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

2ND FLOOR - ACCESS PLANS & DETAILS

REVISIONS:

| No. | Description | Date |
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DRAWN BY: SRL
CHECKED BY: JLT
DATE: August 18, 2022

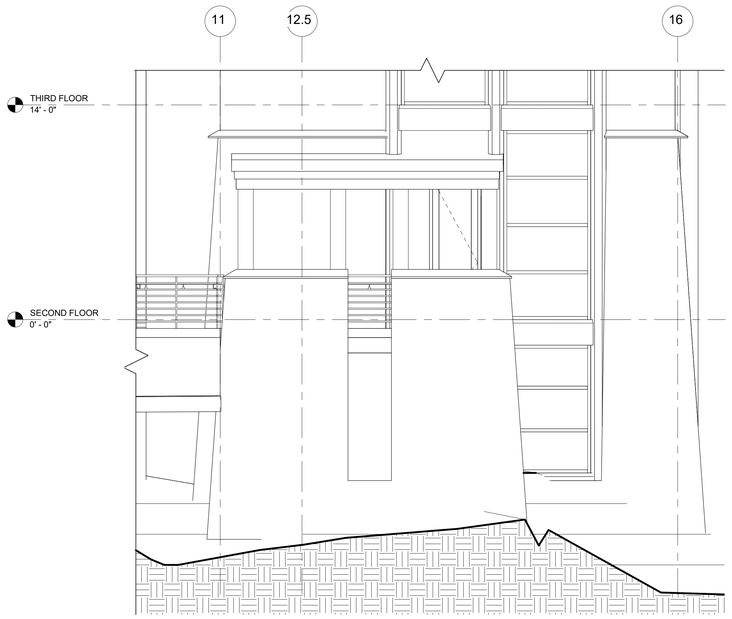
NOVUS JOB NUMBER
470-20-02

GDR PROJECT NUMBER
4340-0010

SHEET NUMBER
A117

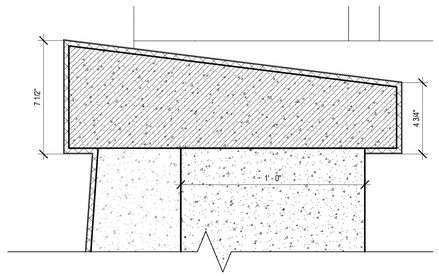
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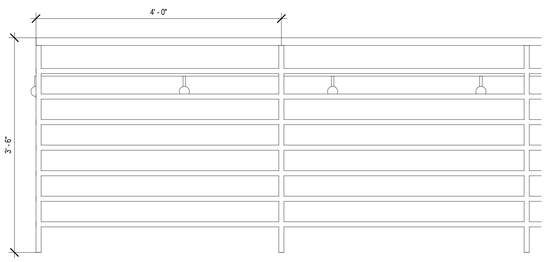

**C1** ELEVATION - 911 ENTRANCE SOUTH

A118 1/4" = 1'-0"



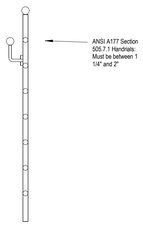

**B1** SECTION - S.W. MECHANICAL YARD - TOP OF WALL

A118 3" = 1'-0"



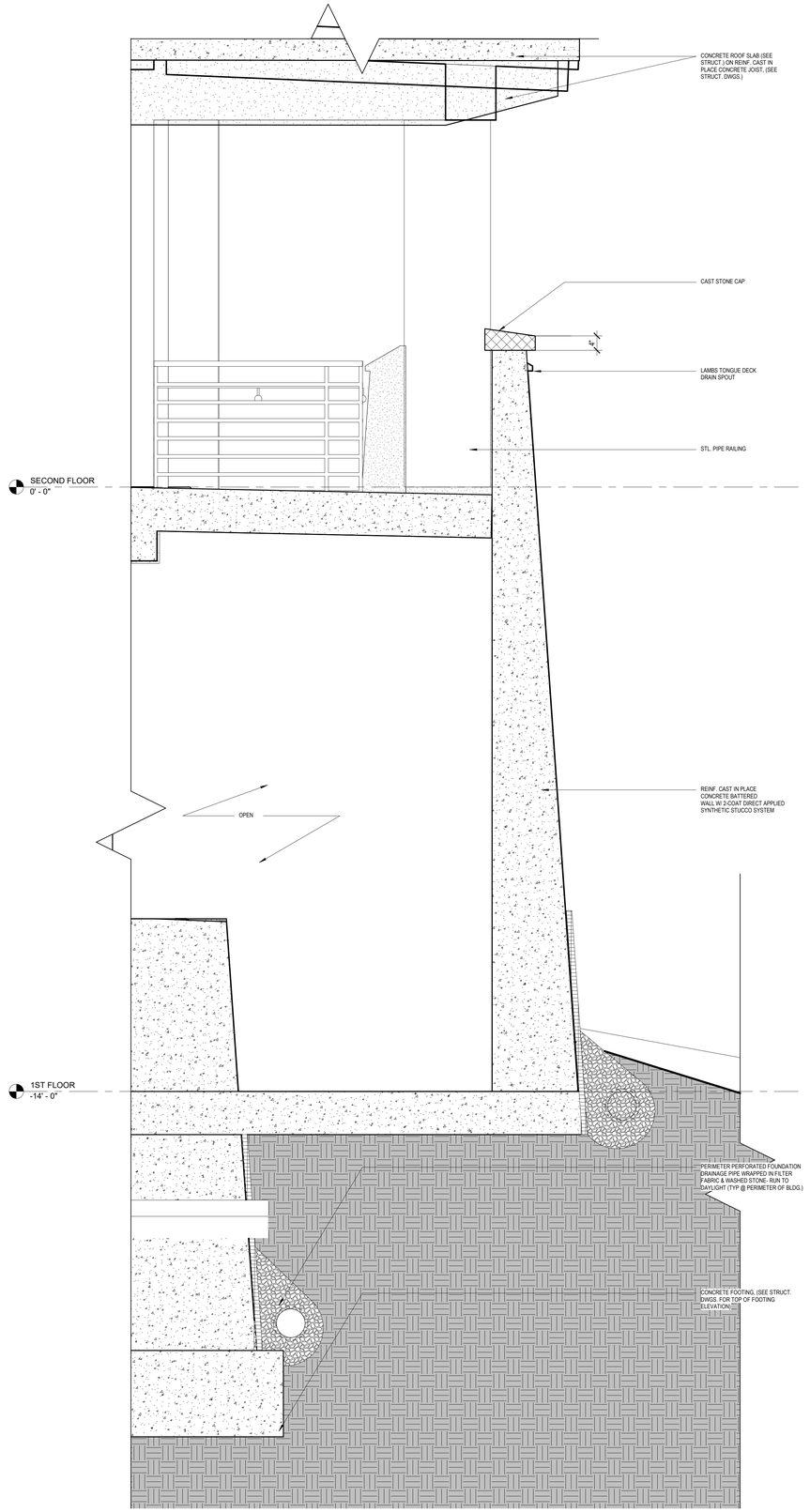

**A1** GUARDRAIL - 42"

A118 1" = 1'-0"




**A5** SECTION - GAURDRAIL

A118 1" = 1'-0"




**A6** WALL SECTION - SOUTHEAST ENTRANCE

A118 3/4" = 1'-0"

## GENERAL ENLARGED PLAN & ELEVATION NOTES

1. VERIFY IN FIELD LOCATION OF EXISTING WAPA ELECTICAL METER
2. VERIFY IN FIELD LOCATION OF EXISTING WAPA ELECTICAL MAIN DISCONNECT: 225 AMPS, 120 / 240 VOLT
3. UL USAGE CLASSIFICATION CLASS II - COMMERCIAL GENERAL ACCESS VEHICULAR GATE

## KEYNOTES - ELEVATION

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VITEMA Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

2ND FLOOR - EXTERIOR DETAILS

REVISIONS:

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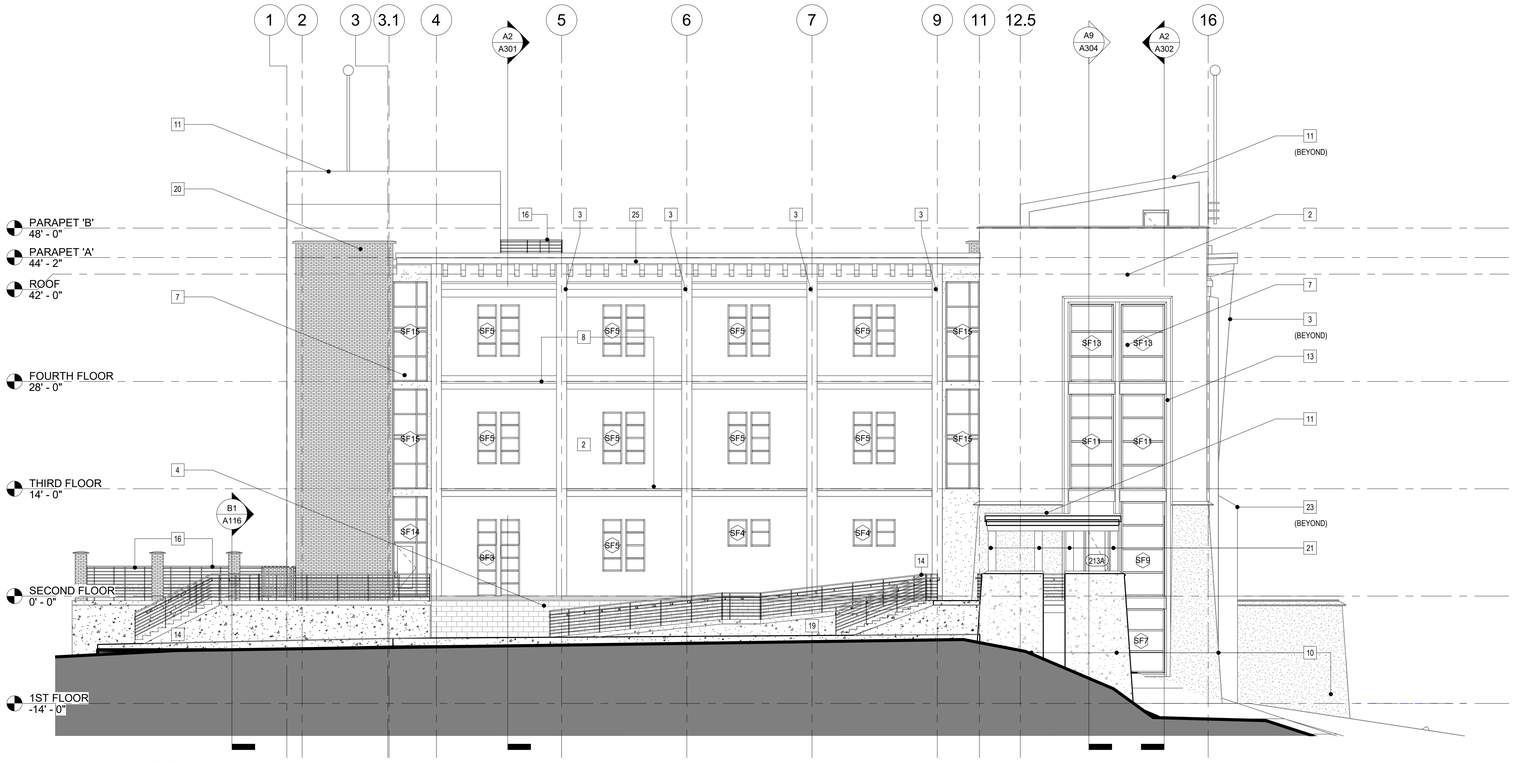
ODR PROJECT NUMBER 4340-0010

SHEET NUMBER A118

30% CONSTRUCTION DOCUMENTS

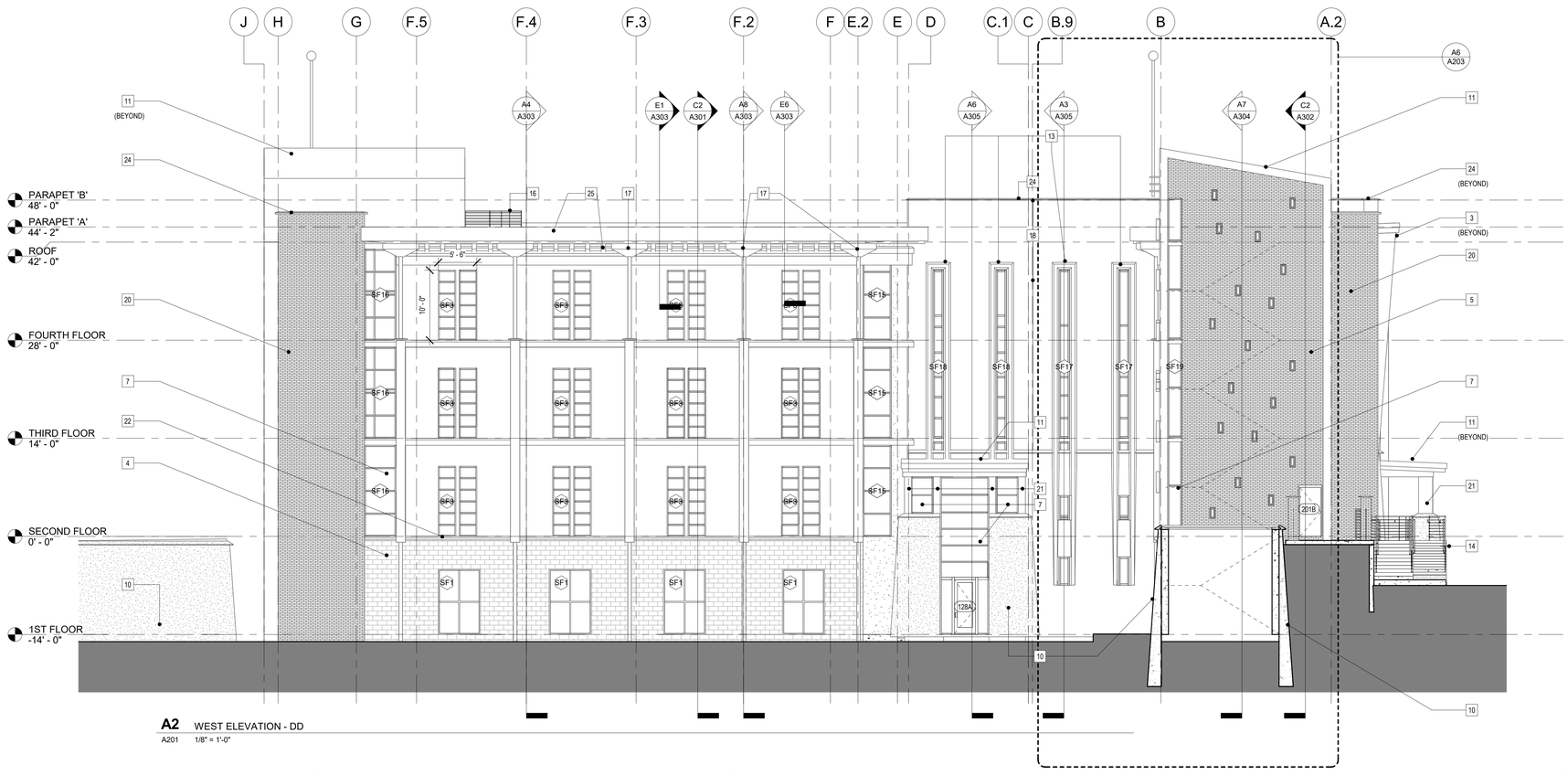
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**C2** SOUTH ELEVATION - DD

A201 1/8" = 1'-0"




**A2** WEST ELEVATION - DD

A201 1/8" = 1'-0"

## GENERAL ELEVATION NOTES

- SEE **A600** SHEET SERIES FOR ADDITIONAL INFORMATION ON EXTERIOR STOREFRONT GLAZING, FRAME, AND DOOR SYSTEMS
- ALL EXTERIOR STOREFRONT AND EXTERIOR DOOR SYSTEMS SHALL BE ICC-500 COMPLIANT, (SEE SPECS.)
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VITEMA
Wind Retrofit & Safe Room
Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

EXTERIOR ELEVATIONS

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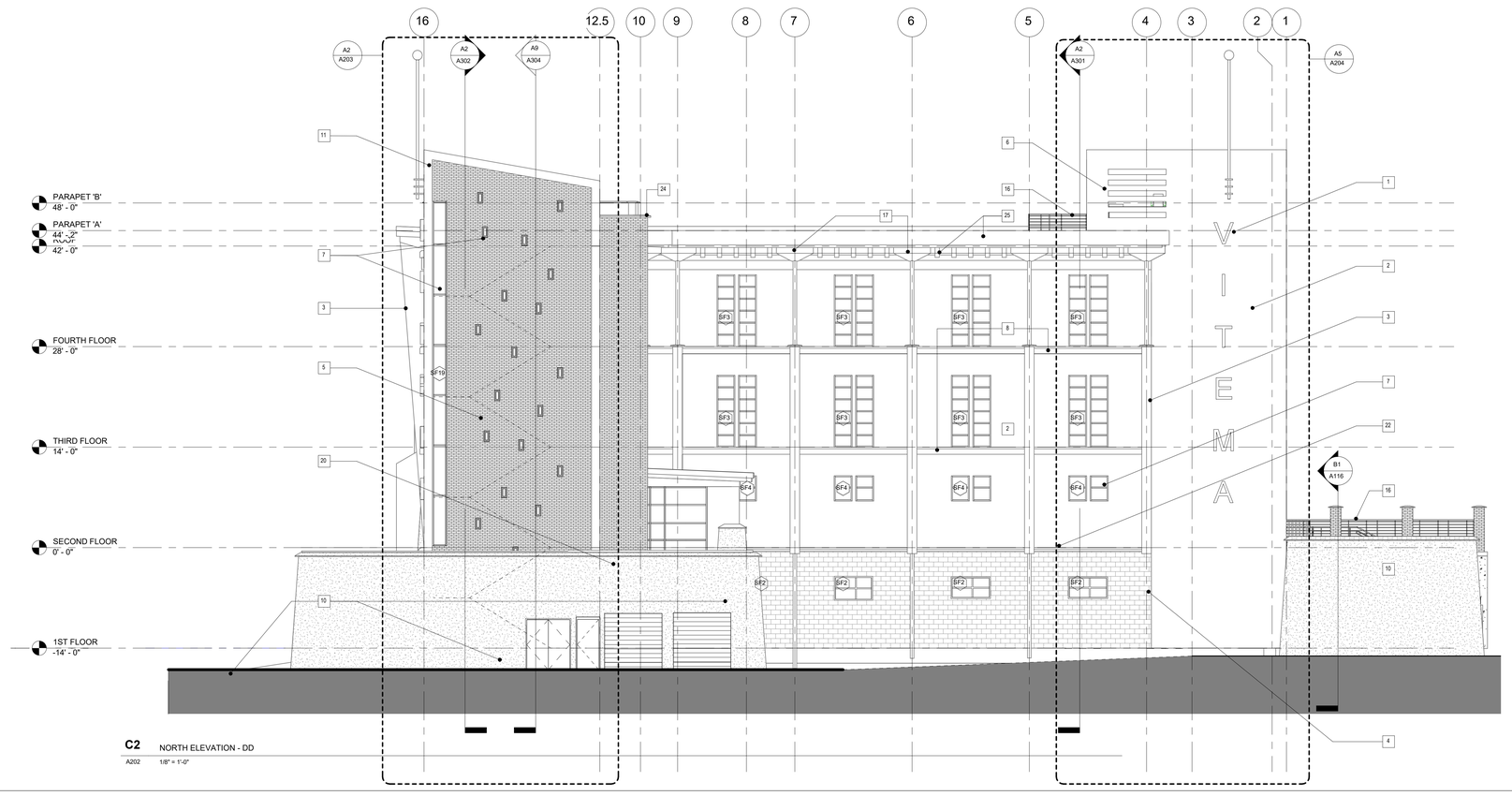
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470-20-02
ODR PROJECT NUMBER
4340-0010

SHEET NUMBER
A201

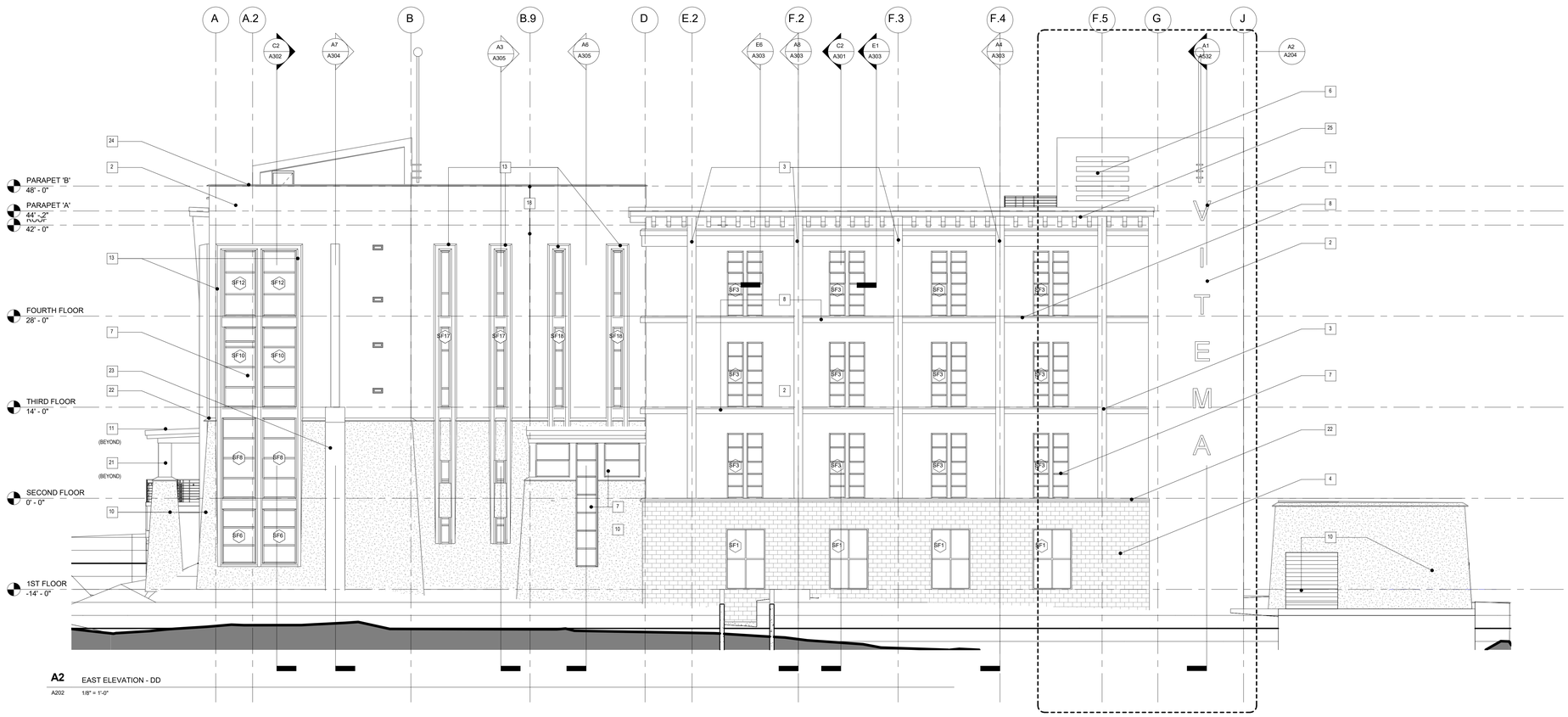
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**C2** NORTH ELEVATION - DD
A202 1/8" = 1'-0"




**A2** EAST ELEVATION - DD
A202 1/8" = 1'-0"

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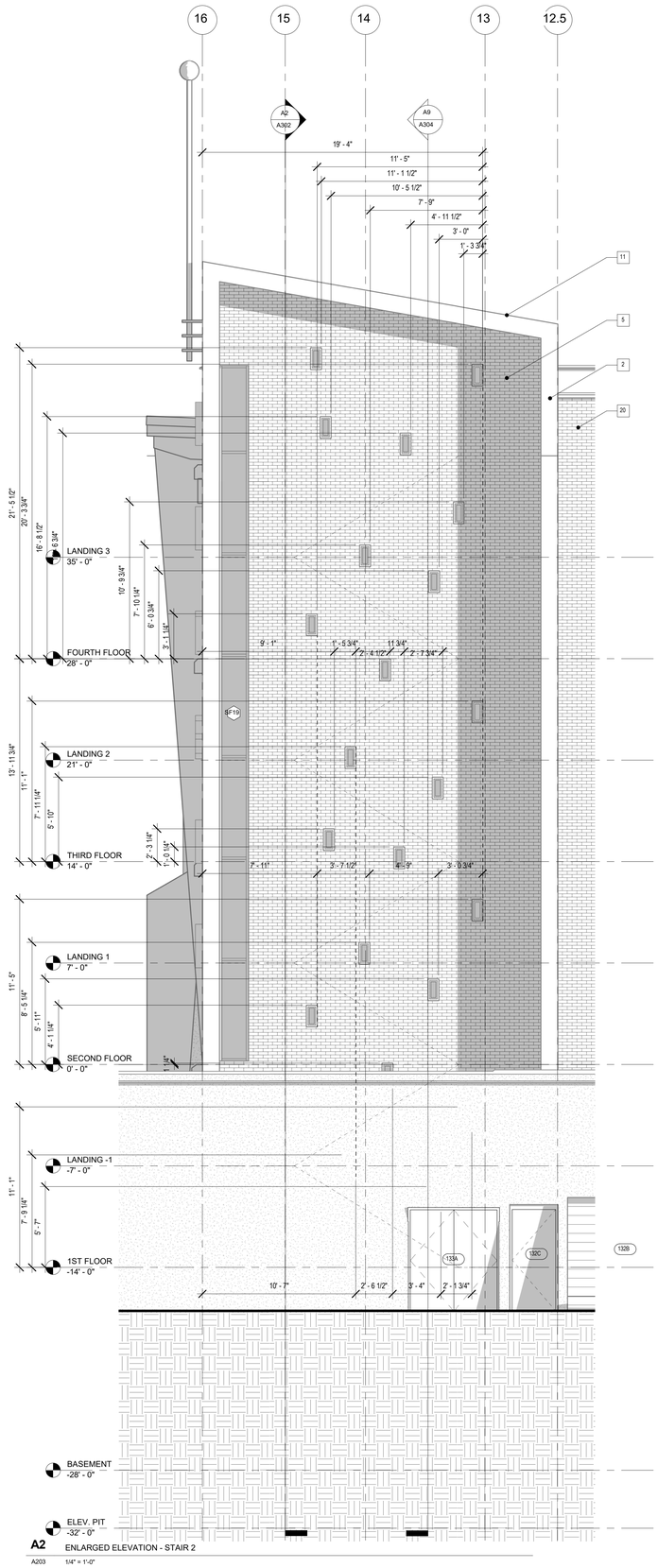
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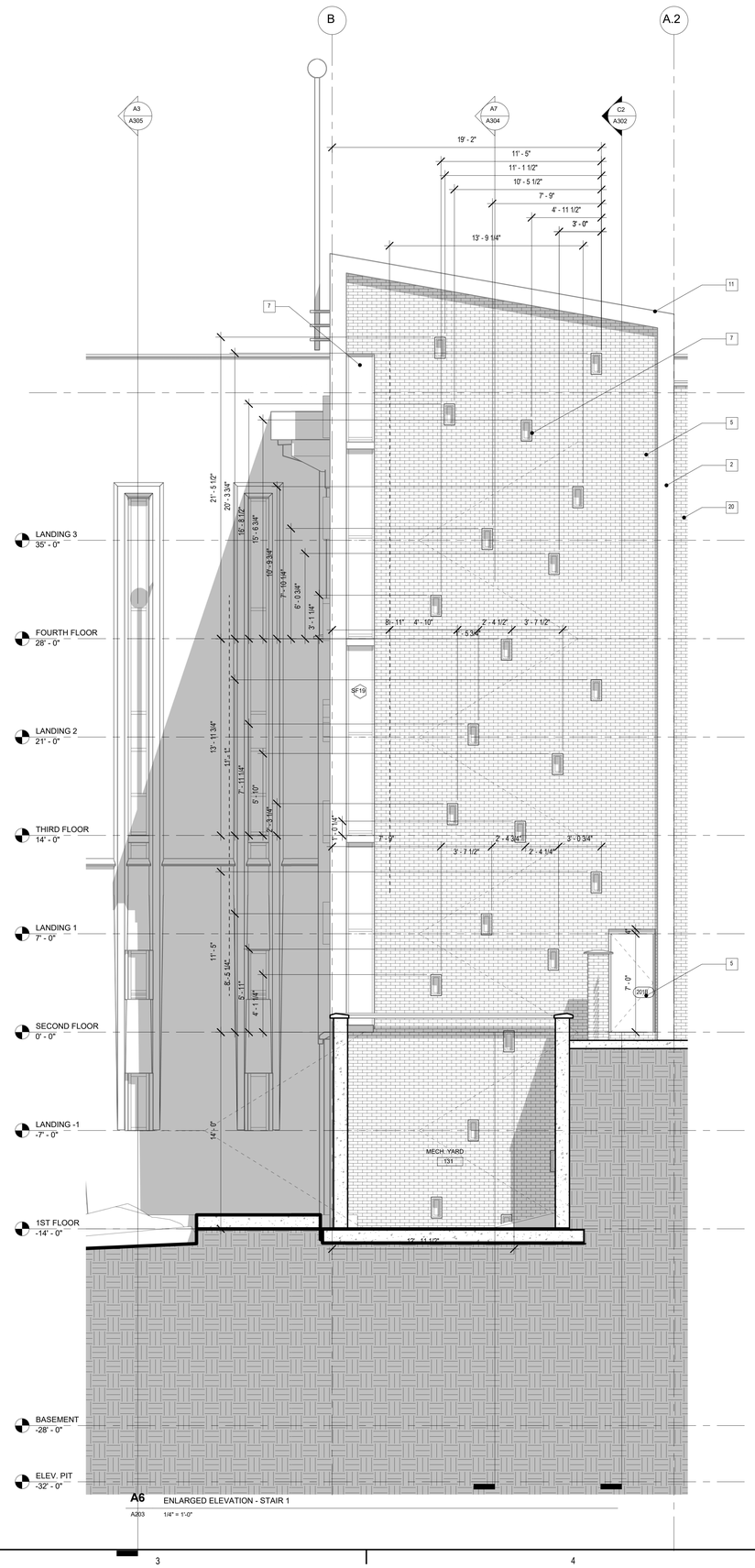
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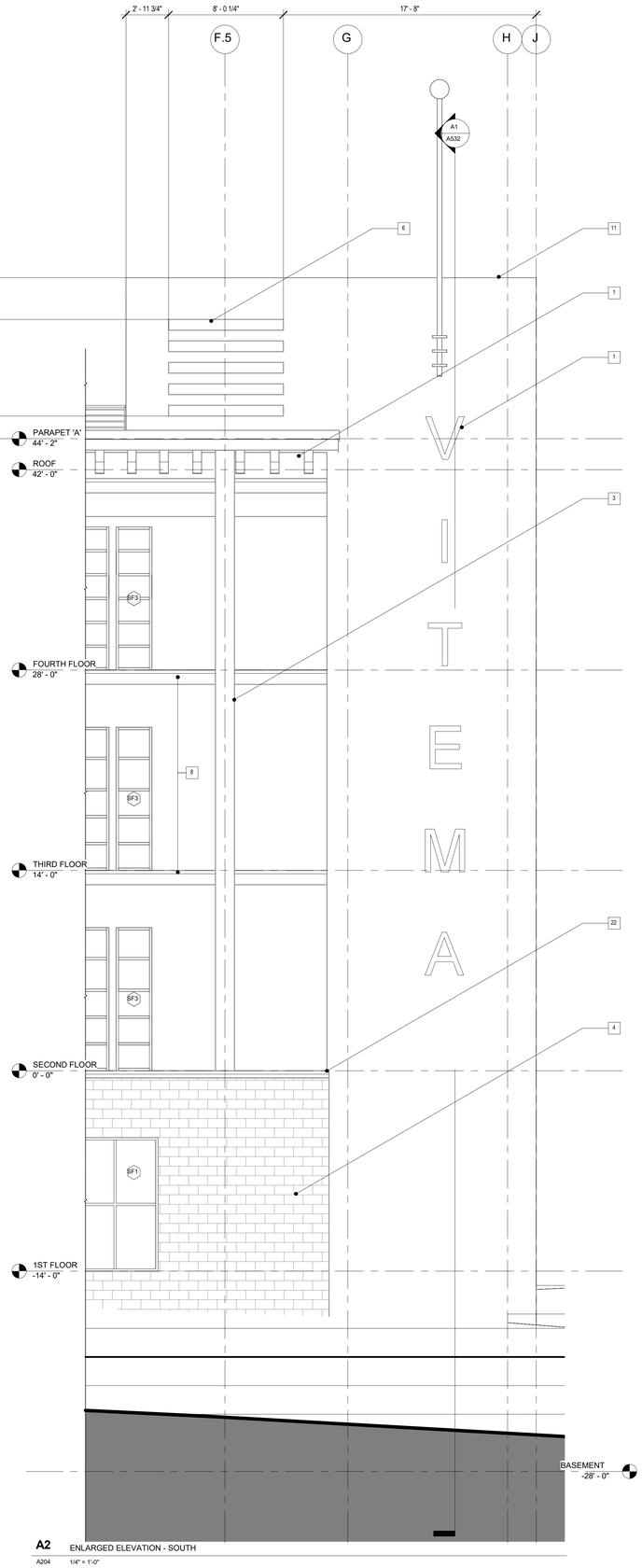
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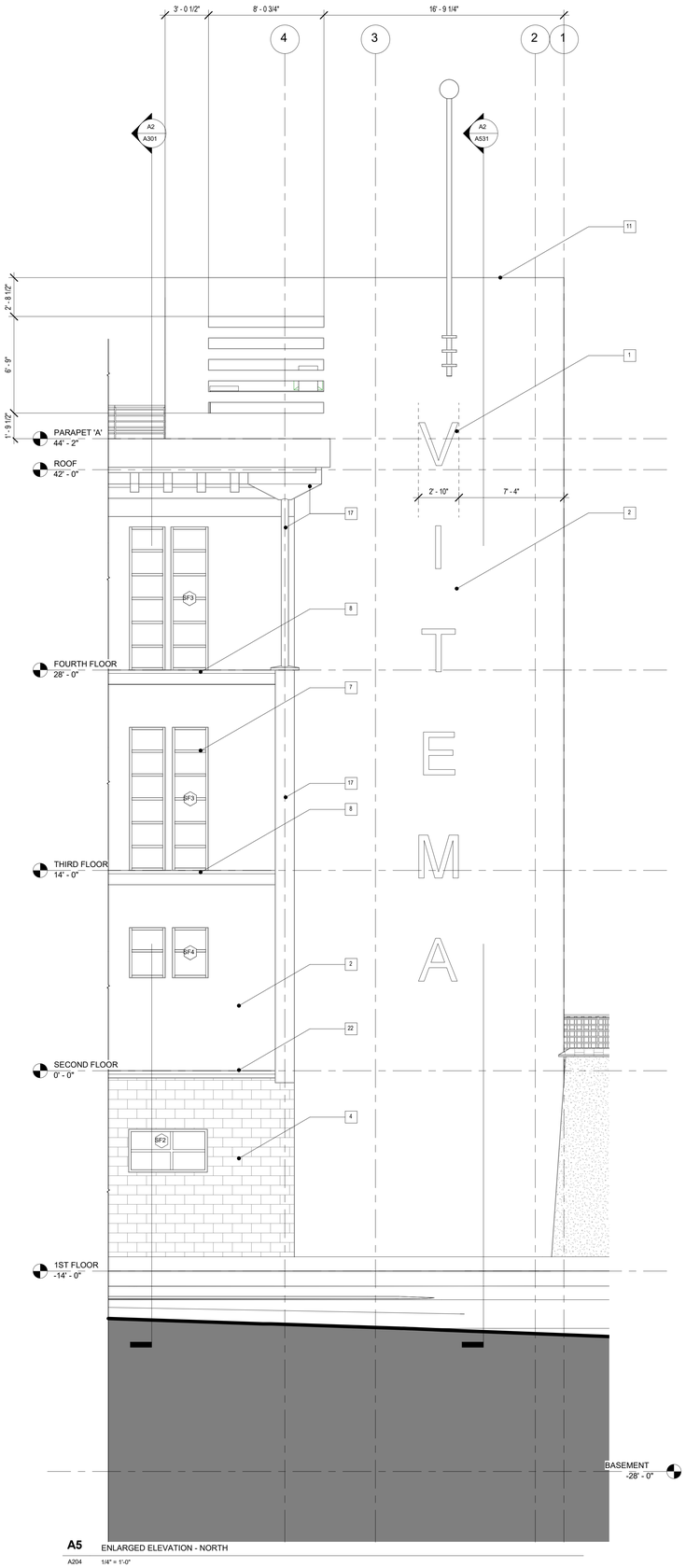
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**A2** ENLARGED ELEVATION - SOUTH

A204 1/4" = 1'-0"




**A5** ENLARGED ELEVATION - NORTH

A204 1/4" = 1'-0"

## GENERAL ELEVATION NOTES

- SEE **A600** SHEET SERIES FOR ADDITIONAL INFORMATION ON EXTERIOR STOREFRONT GLAZING, FRAME, AND DOOR SYSTEMS
- ALL EXTERIOR STOREFRONT AND EXTERIOR DOOR SYSTEMS SHALL BE ICC-500 COMPLIANT. (SEE SPEC'S.)
- REFERENCE SPECIFICATIONS FOR REQUIRED SAMPLE PANEL OF EXTERIOR MATERIALS, FLASHING CONDITIONS, ETC.

## KEYNOTES - ELEVATION

| # | DESCRIPTION |
|---|---|
| 1 | ANODIZED ALUMINUM "VITEMA" SIGNAGE LETTERS |
| 2 | 2-COAT DIRECT APPLIED SYNTHETIC STUCCO FINISH OVER CAST IN PLACE CONCRETE WALL |
| 3 | 2-COAT DIRECT APPLIED SYNTHETIC STUCCO FINISH OVER CAST IN PLACE CONCRETE AT VERTICAL TAPERED "FIN" ELEMENT |
| 4 | POLISHED FACE 4x8x16 CMU VENEER MECHANICALLY ATTACHED TO C.I.P. CONC. WALL (PROVIDE CAST STONE CAP @ TOP) |
| 5 | GLAZED MASONRY VENEER RANDOM COLOR PATTERN (ANCHORED VIA DOVETAIL ANCHOR SYSTEM) TO CAST IN PLACE STRUCT. CONCRETE WALL (PROVIDE CAST STONE CAP @ TOP) |
| 6 | LOUVERED OPENING |
| 7 | 1CC-500 COMPLIANT WIND AND IMPACT RESISTANT ALUM. GLAZING FRAME AND EXTERIOR DOOR SYSTEM |
| 8 | CAST IN PLACE CONCRETE FLOOR SLAB EXTENSION |
| 9 | VERTICAL/ HORIZONTAL SCORE JOINT IN STUCCO FINISH |
| 10 | CAST IN PLACE CONCRETE BATTERED WALL BASE, INTEGRAL TO WALL. TOTAL THICKNESS INCREASES 12" AT BASE OF WALL FROM STANDARD WALL THICKNESS. PROVIDE CAST STONE CAP AT TOP OF WALL (TYP.) |
| 11 | SLOPED ROOF WITH FLUID APPLIED MEMBRANE ROOFING OVER CAST IN PLACE CONCRETE ROOF STRUCTURE |
| 13 | 2-COAT DIRECT APPLIED SYNTHETIC STUCCO FINISH OVER CAST IN PLACE CONCRETE PROJECTION SURROUNDING WINDOW OPENING W/ TAPERED EDGES |
| 14 | CAST IN PLACE CONCRETE STAIR W/ STEEL PIPE RAILING |
| 15 | CAST IN PLACE CONCRETE VERTICAL TAPERED "BUTTRESS" ELEMENT |
| 16 | STEEL PIPE RAILING |
| 17 | ROOF DRAINAGE SCUPPER BOX & DOWNSPOUT |
| 18 | BUILDING EXPANSION JOINT, (SEE STRUCT. DWGS.) |
| 19 | 2-COAT DIRECT APPLIED SYNTHETIC STUCCO FINISH OVER CAST IN PLACE CONCRETE STAIR OR RAMP W/ STEEL PIPE RAILING |
| 20 | SLURRY BRICK VENEER |
| 21 | 2-COAT DIRECT APPLIED SYNTHETIC STUCCO FINISH OVER CAST IN PLACE CONCRETE COLUMN |
| 22 | CAST STONE CAP |
| 23 | 2-COAT DIRECT APPLIED SYNTHETIC STUCCO FINISH OVER CAST IN PLACE BUTTRESS ELEMENT |
| 24 | METAL COPING PARAPET CAP FLASHING |
| 25 | CAST IN PLACE CONCRETE CANTILEVERED ROOF SLAB EXTENSION W/ CAST IN PLACE CONCRETE ROOF JOIST EXTENSIONS |

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| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

ENLARGED ELEVATION DETAILS

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER 470-20-02

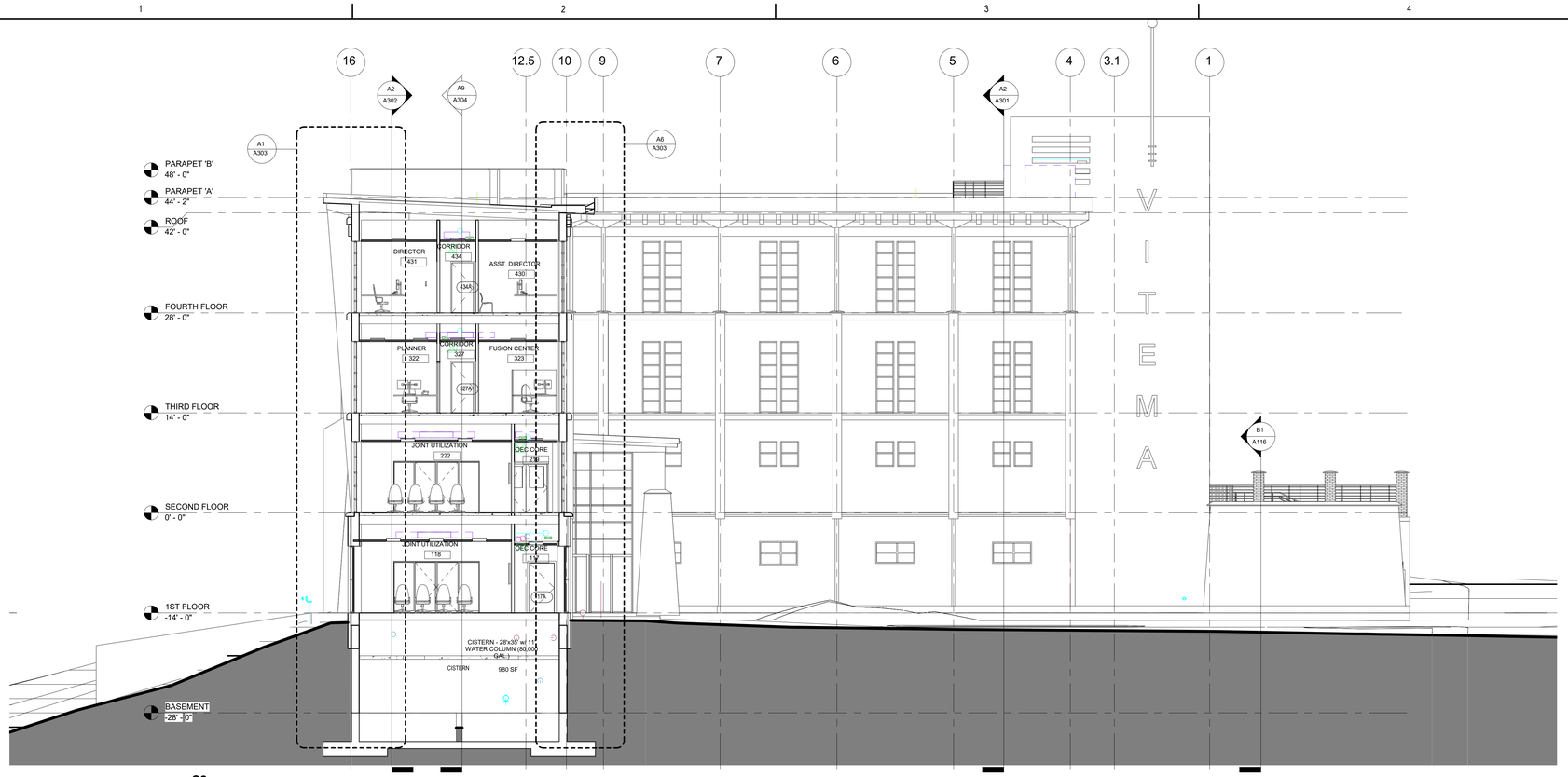
OOR PROJECT NUMBER 4340-0010

SHEET NUMBER A204

30% CONSTRUCTION DOCUMENTS

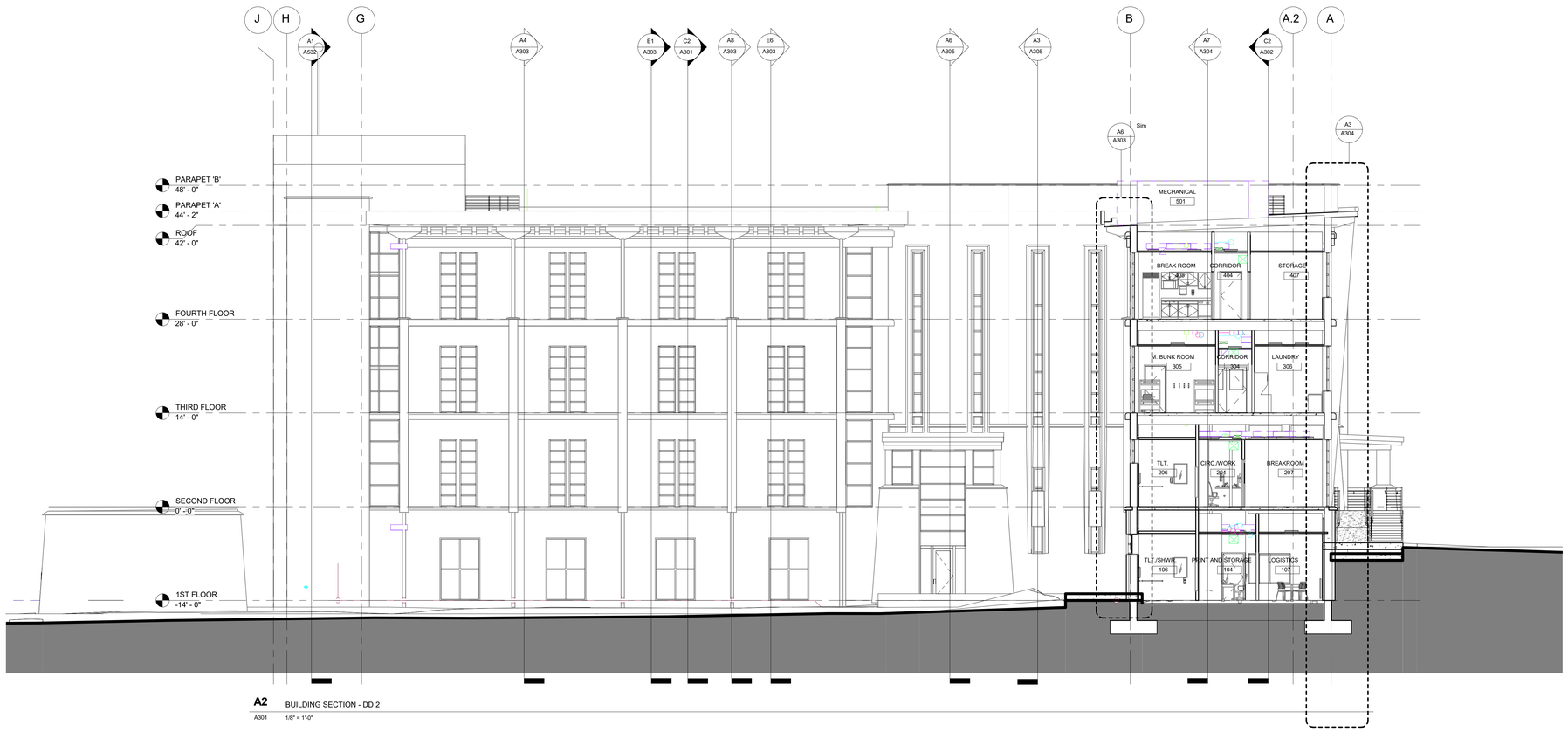
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**C2** BUILDING SECTION - DD 1

A301 1/8" = 1'-0"




**A2** BUILDING SECTION - DD 2

A301 1/8" = 1'-0"

## GENERAL NOTES

- SEE **A600** SHEET SERIES FOR ADDITIONAL INFORMATION ON ICC-500 COMPLIANT EXTERIOR STOREFRONT GLAZING, FRAME, AND DOOR SYSTEMS
- REFER TO STRUCTURAL DRAWINGS FOR SPECIFIC FOUNDATION INFORMATION, TYPICAL.

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VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

BUILDING SECTIONS

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL

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DATE: August 18, 2022

NOVUS JOB NUMBER 470-20-02

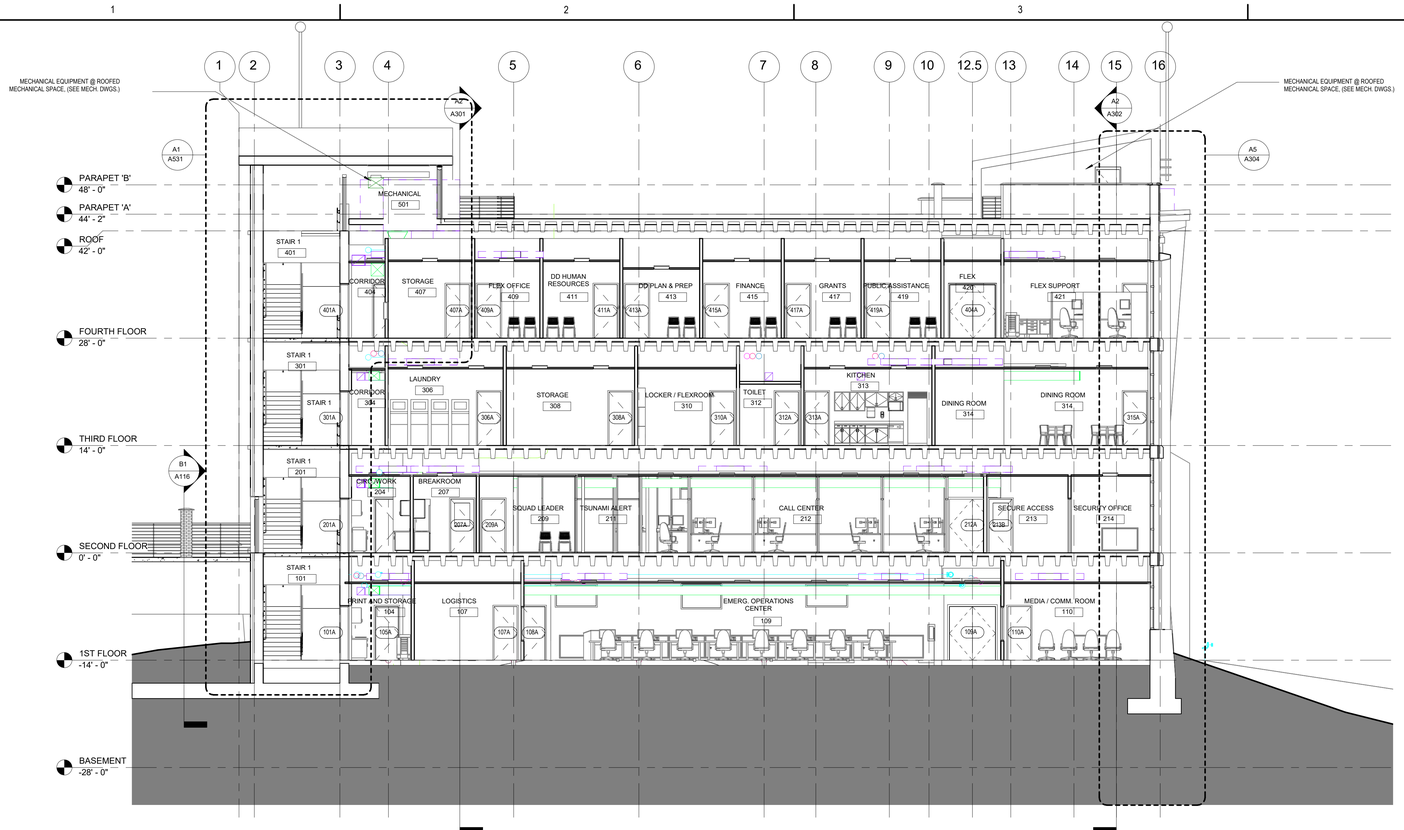
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SHEET NUMBER A301

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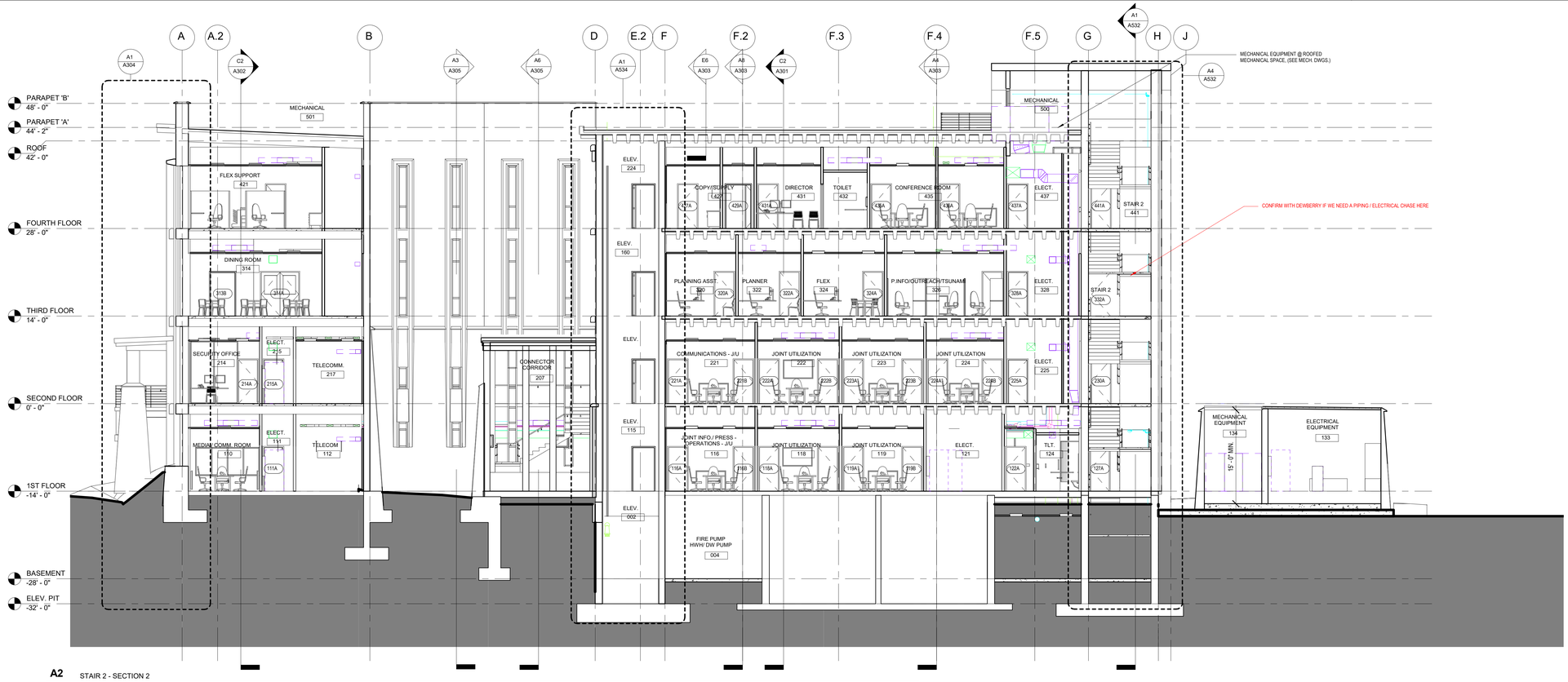
30% CONSTRUCTION DOCUMENTS

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**C2** BUILDING SECTION - DD 3

A302 1/8" = 1'-0"




**A2** STAIR 2 - SECTION 2

A302 1/8" = 1'-0"

## GENERAL NOTES

- SEE **A600** SHEET SERIES FOR ADDITIONAL INFORMATION ON ICC-500 COMPLIANT EXTERIOR STOREFRONT GLAZING, FRAME, AND DOOR SYSTEMS
- REFER TO STRUCTURAL DRAWINGS FOR SPECIFIC FOUNDATION INFORMATION, TYPICAL.

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VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

BUILDING SECTIONS

REVISIONS:

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DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

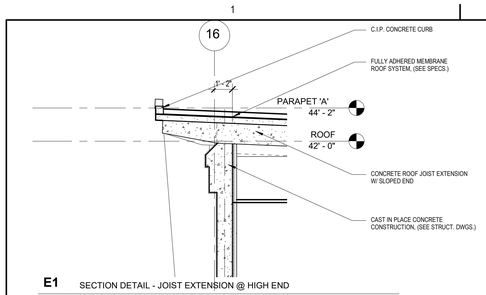
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OOR PROJECT NUMBER 4340-0010

SHEET NUMBER A302

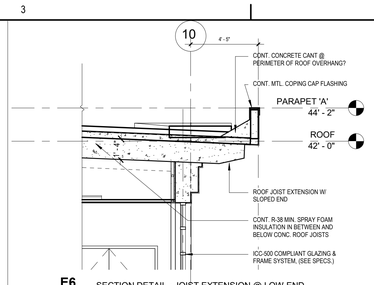
30% CONSTRUCTION DOCUMENTS

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**E1** SECTION DETAIL - JOIST EXTENSION @ HIGH END

A303 1/4" = 1'-0"




**E6** SECTION DETAIL - JOIST EXTENSION @ LOW END

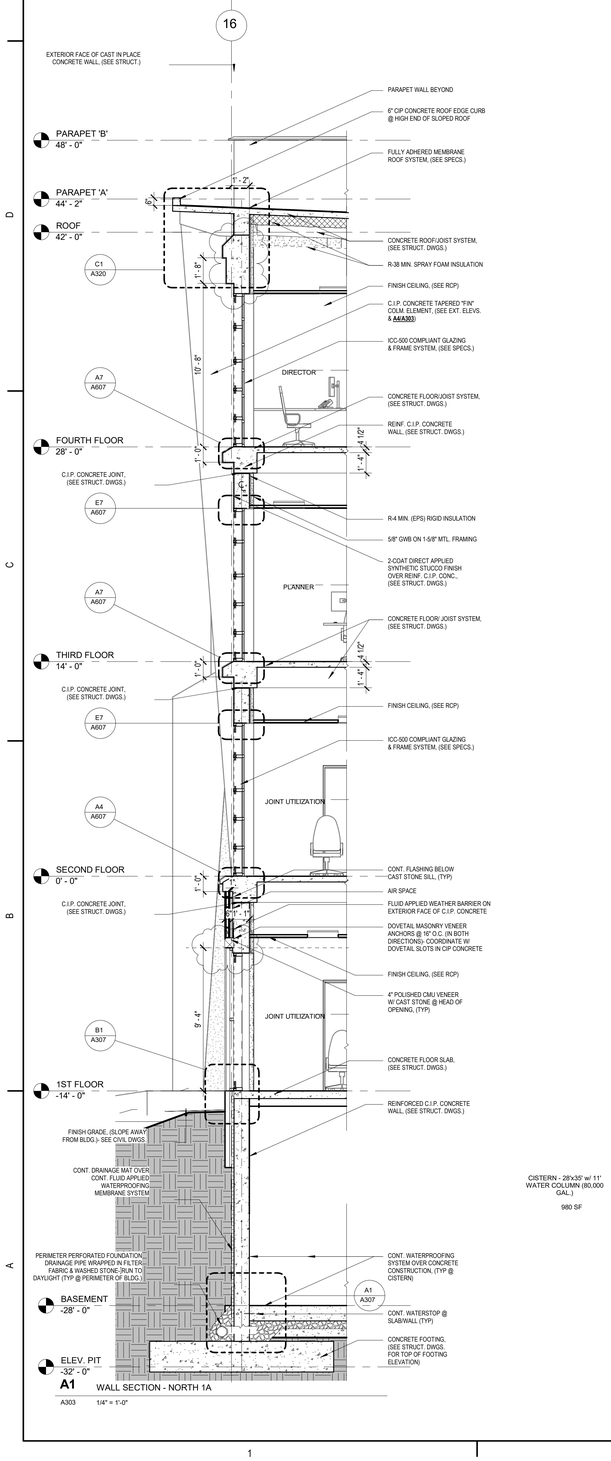
A303 1/4" = 1'-0"

## GENERAL NOTES

- SEE A600 SHEET SERIES FOR ADDITIONAL INFORMATION ON EXTERIOR STOREFRONT GLAZING, FRAME, AND DOOR SYSTEMS

## KEY NOTES - WALL SECTION (1)

| # | DESCRIPTION |
|---|---|
| 1 | - |

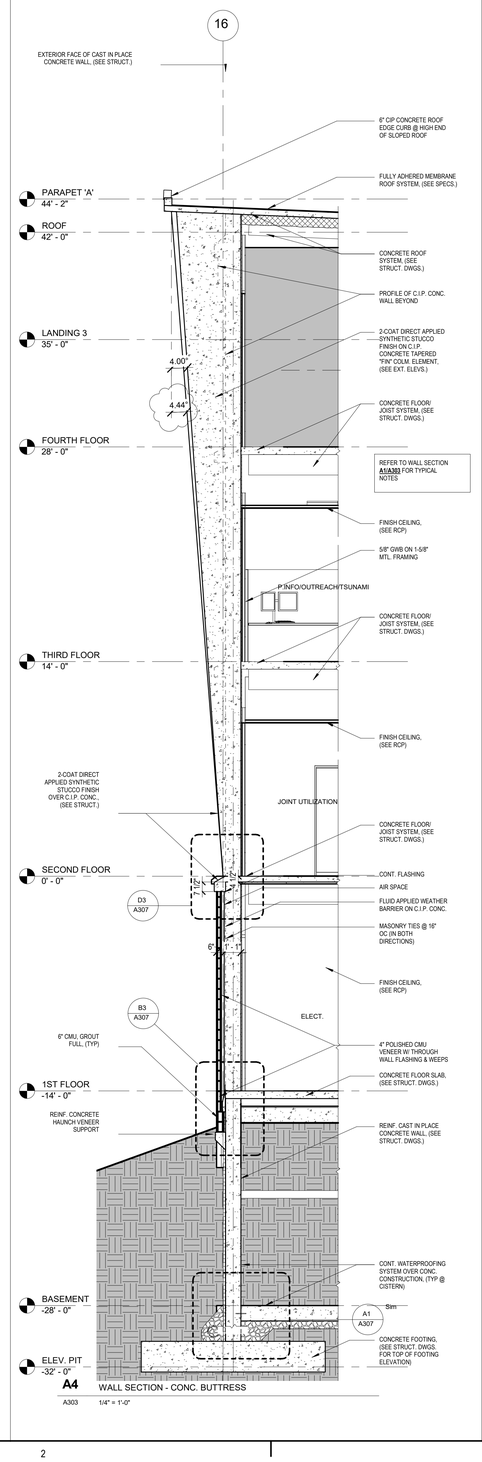



**A1** WALL SECTION - NORTH 1A

A303 1/4" = 1'-0"

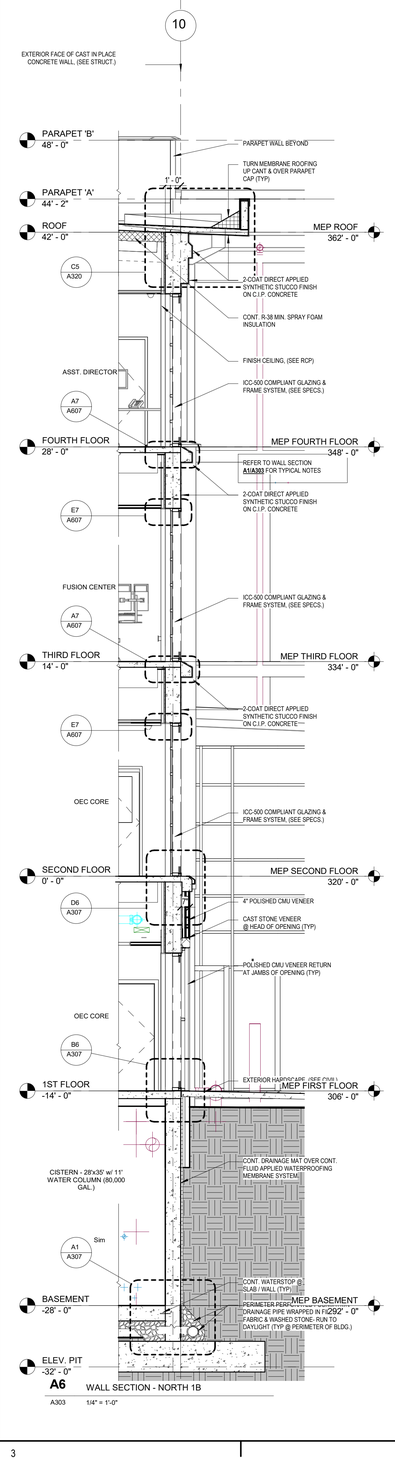
CISTERN - 28'x35' w/ 11' WATER COLUMN (80,000 GAL.)

980 SF



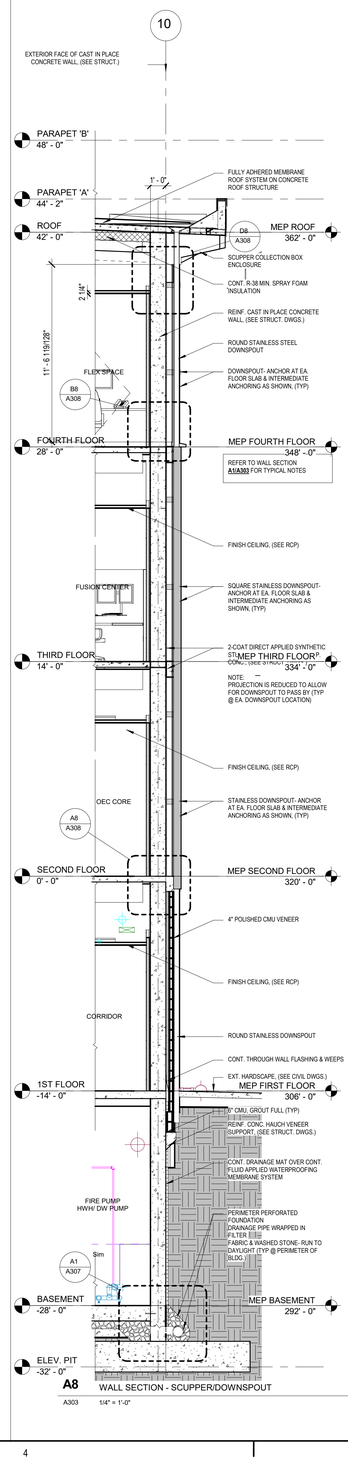

**A4** WALL SECTION - CONC. BUTTRESS

A303 1/4" = 1'-0"




**A6** WALL SECTION - NORTH 1B

A303 1/4" = 1'-0"




**A8** WALL SECTION - SCUPPER/DOWNSPOUT

A303 1/4" = 1'-0"

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VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

WALL SECTIONS

REVISIONS:

| No. | Description | Date |
|---|---|---|
| 1 | Schematic Design | Date 1 |

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER 470-20-02

CDR PROJECT NUMBER 4340-0010

SHEET NUMBER A303

30% CONSTRUCTION DOCUMENTS

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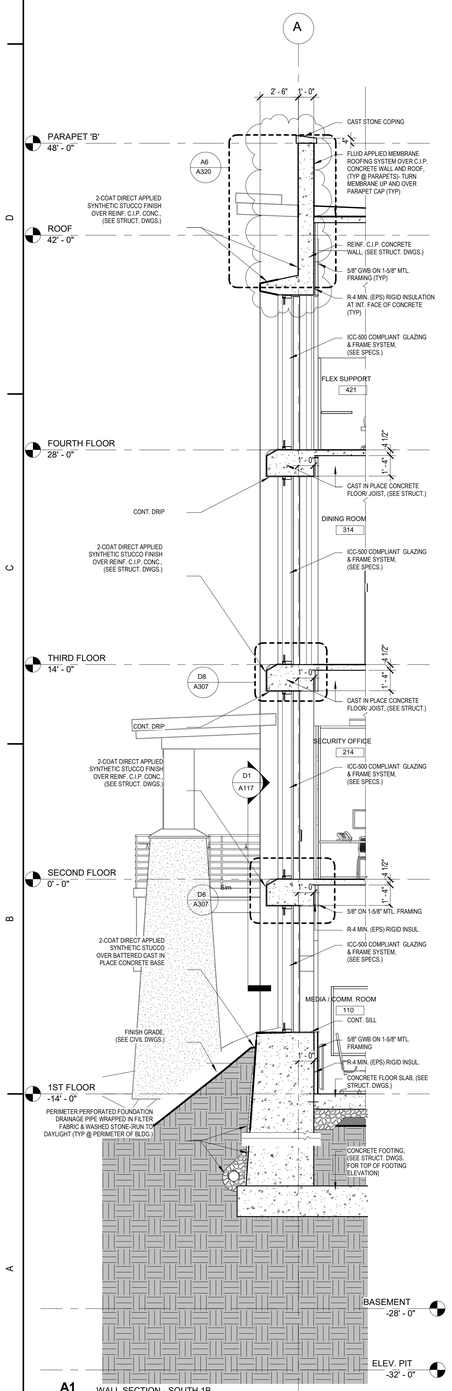
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## GENERAL NOTES

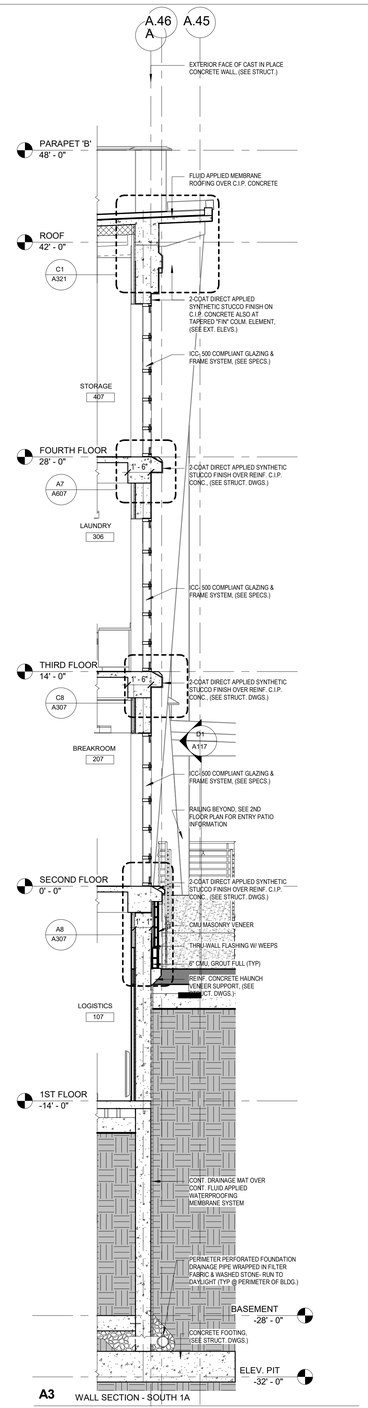
- SEE A600 SHEET SERIES FOR ADDITIONAL INFORMATION ON EXTERIOR STOREFRONT GLAZING, FRAME, AND DOOR SYSTEMS

## KEY NOTES - WALL SECTION (1)

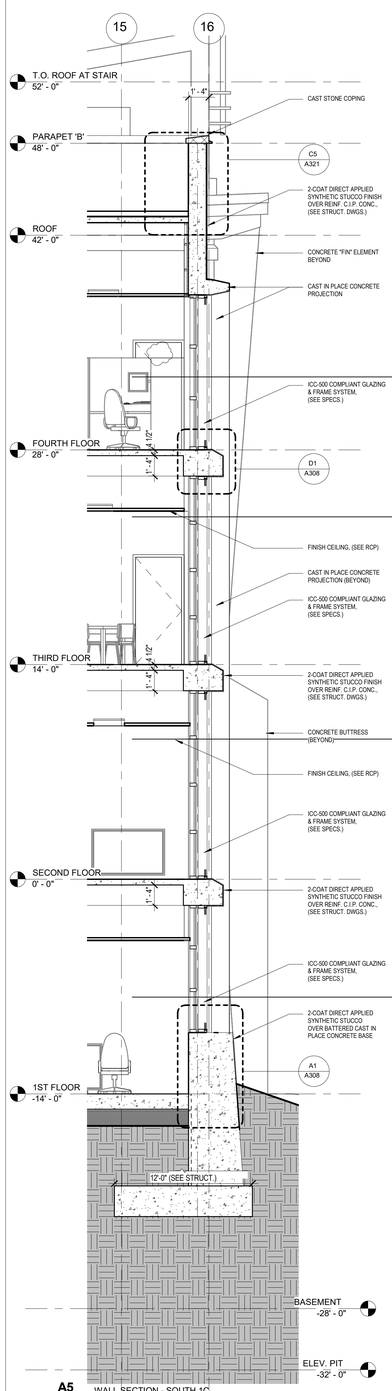
| # | DESCRIPTION |
|---|---|
| 1 | - |



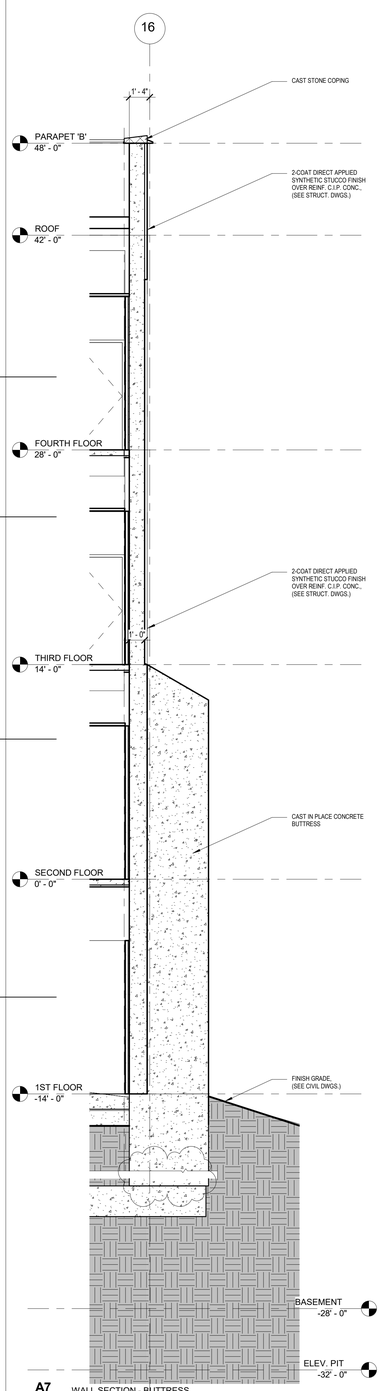

**A1** WALL SECTION - SOUTH 1B
A304 1/4" = 1'-0"



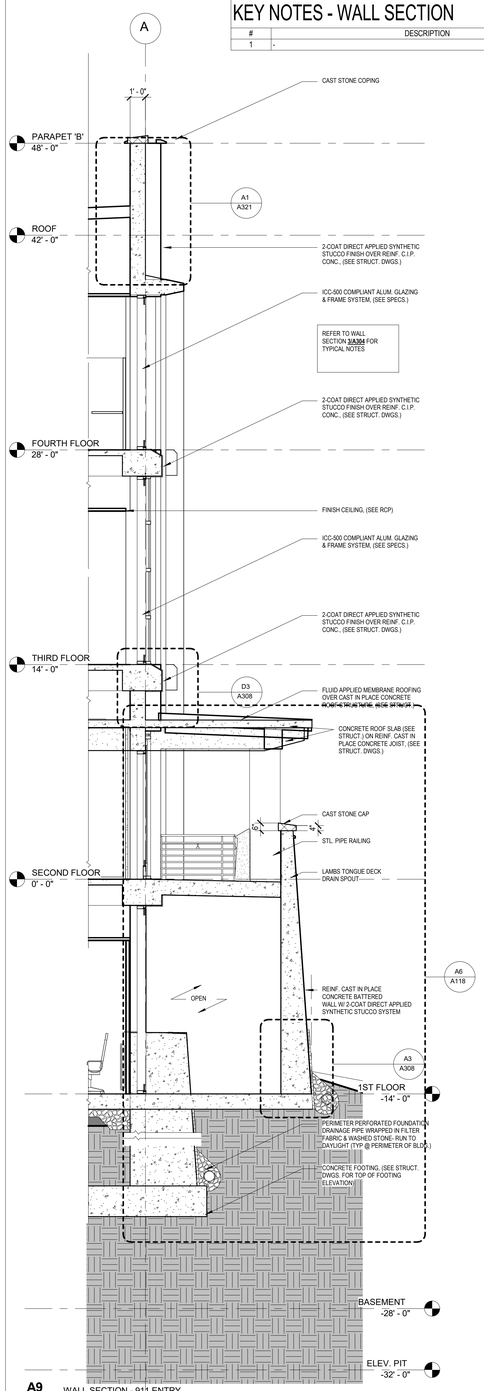

**A3** WALL SECTION - SOUTH 1A
A304 1/4" = 1'-0"




**A5** WALL SECTION - SOUTH 1C
A304 1/4" = 1'-0"




**A7** WALL SECTION - BUTTRESS
A304 1/4" = 1'-0"




**A9** WALL SECTION - 911 ENTRY
A304 1/4" = 1'-0"

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VITEMA
Wind Retrofit & Safe Room
Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

WALL SECTIONS

REVISIONS:

| No. | Description | Date |
|---|---|---|
| 1 | Schematic Design | Date 1 |

DRAWN BY: SRL
CHECKED BY: JLT
DATE: August 18, 2022

NOVUS JOB NUMBER
470-20-02

CDR PROJECT NUMBER
4340-0010

SHEET NUMBER
A304

30% CONSTRUCTION DOCUMENTS

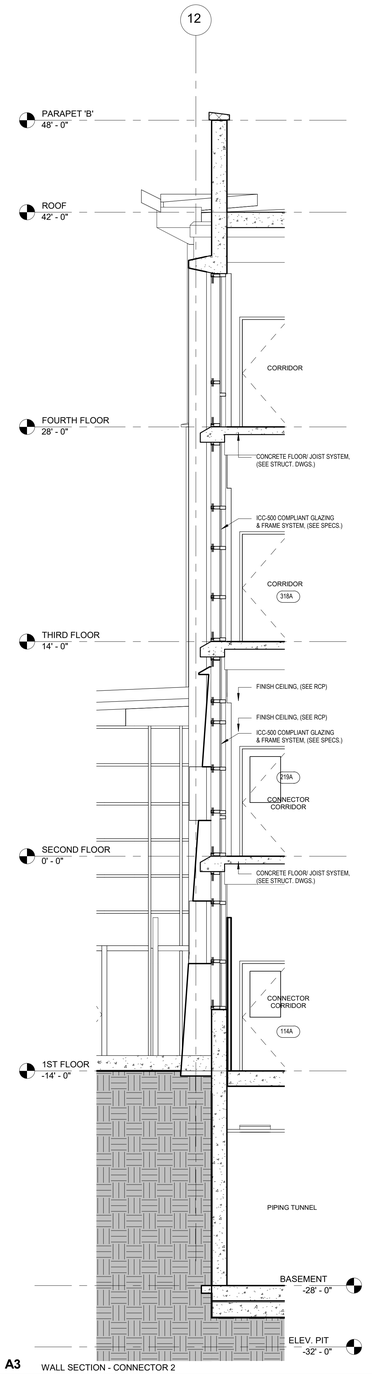
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## GENERAL NOTES

- SEE A600 SHEET SERIES FOR ADDITIONAL INFORMATION ON EXTERIOR STOREFRONT GLAZING, FRAME, AND DOOR SYSTEMS

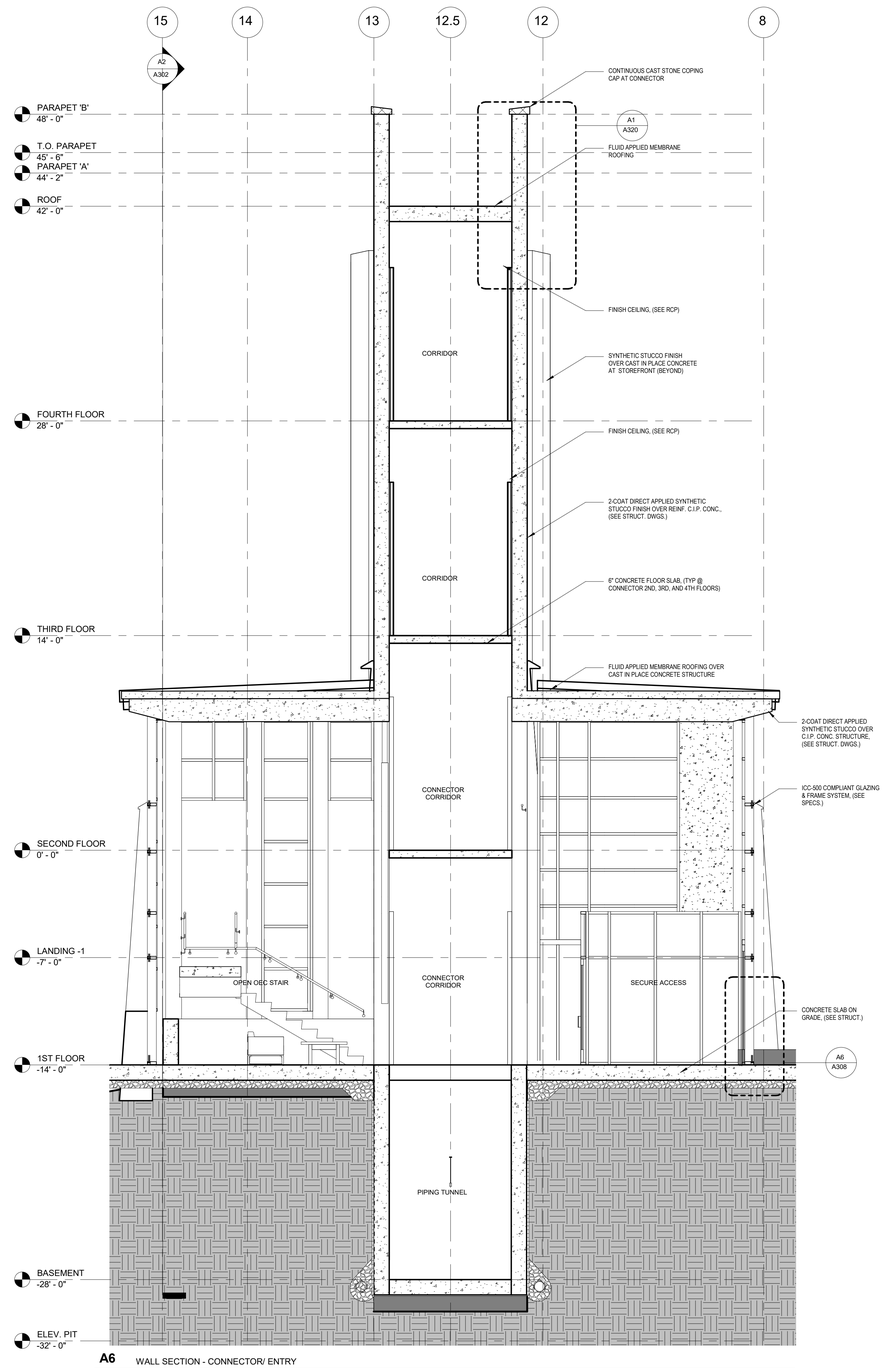
## KEY NOTES - WALL SECTION

| # | DESCRIPTION |
|---|---|
| 1 | - |




**A3** WALL SECTION - CONNECTOR 2

A305 1/4" = 1'-0"




**A6** WALL SECTION - CONNECTOR/ ENTRY

A305 1/4" = 1'-0"

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VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

WALL SECTIONS

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL

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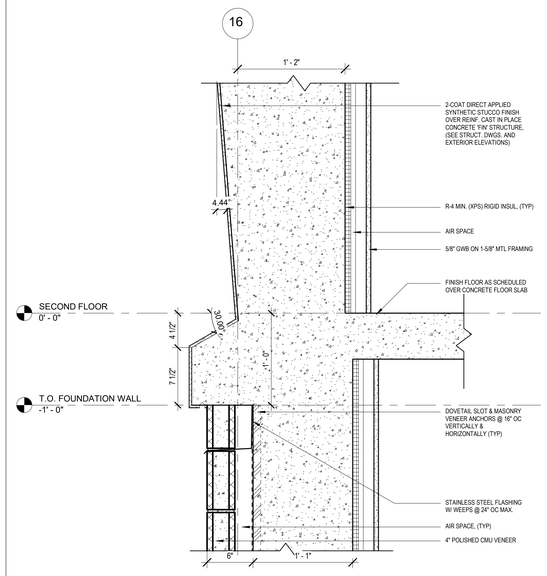
ODR PROJECT NUMBER 4340-0010

SHEET NUMBER A305

30% CONSTRUCTION DOCUMENTS

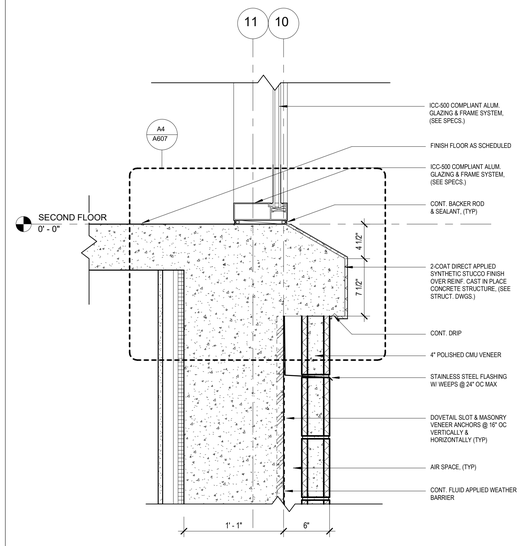
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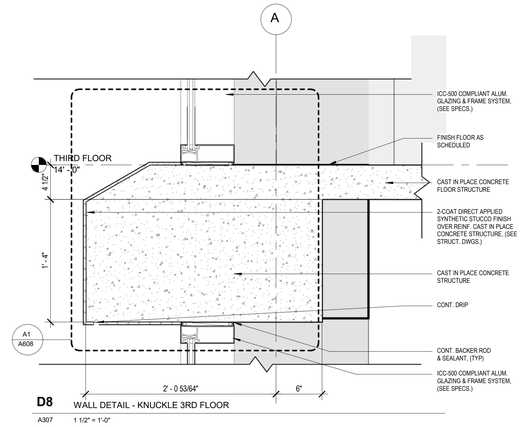

**D3** WALL SECTION - CONC. BUTTRESS 2ND FLOOR

A307 1 1/2" = 1'-0"



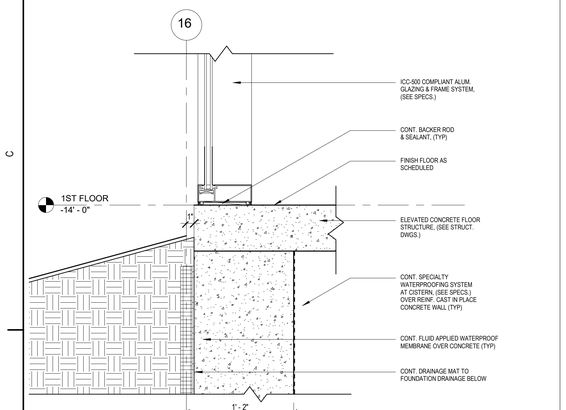

**D6** WALL DETAIL - NORTH 1B 2ND FLOOR

A307 1 1/2" = 1'-0"



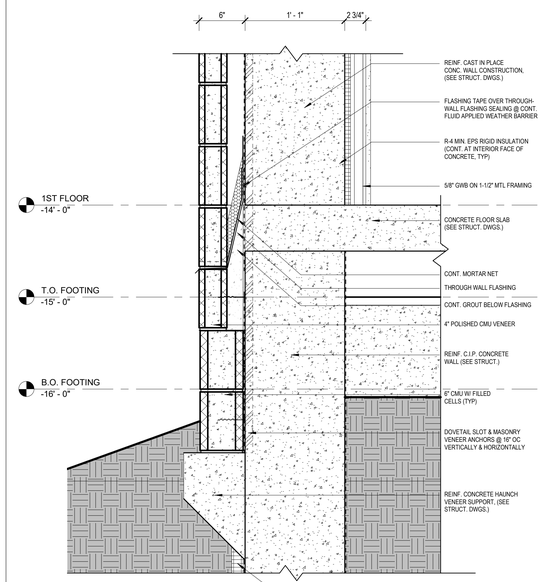

**D8** WALL DETAIL - KNUCKLE 3RD FLOOR

A307 1 1/2" = 1'-0"



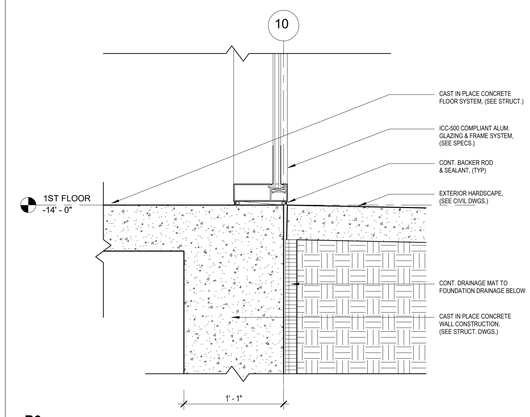

**B1** WALL DETAIL - NORTH 1A 1ST FLOOR

A307 1 1/2" = 1'-0"



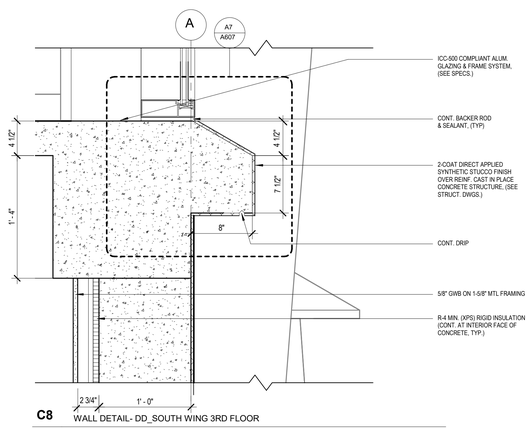

**B3** WALL SECTION - CONC. BUTTRESS - 1ST FLOOR

A307 1 1/2" = 1'-0"




**B6** WALL DETAIL - NORTH 1B 1ST FLOOR

A307 1 1/2" = 1'-0"



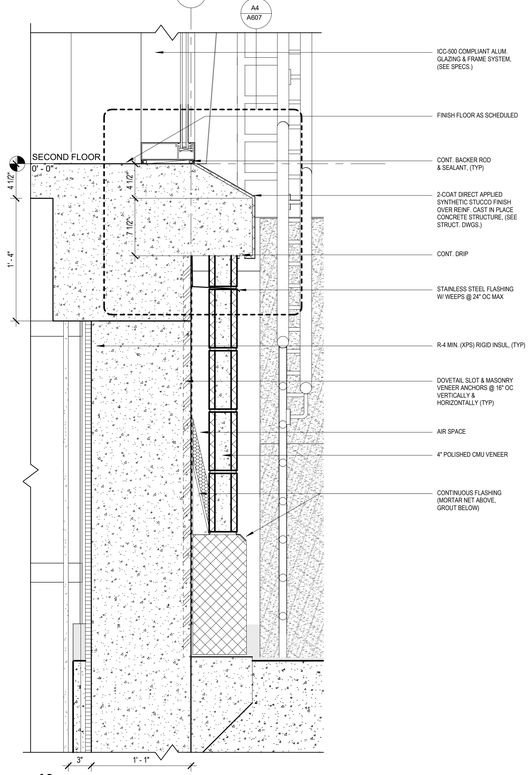

**C8** WALL DETAIL- DD_SOUTH WING 3RD FLOOR

A307 1 1/2" = 1'-0"




**A1** WALL SECTION - NORTH 1A BASEMENT

A307 1 1/2" = 1'-0"




**A8** WALL DETAIL - DD_SOUTH WING 2ND FLOOR

A307 1 1/2" = 1'-0"

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| A | Schematic | 03.04.2022 |
| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

SECTION DETAILS

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

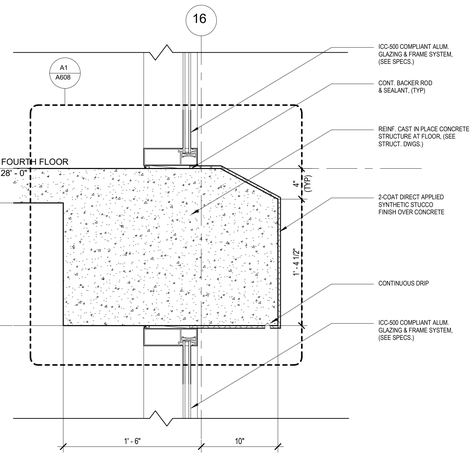
NOVUS JOB NUMBER 470-20-02

GDR PROJECT NUMBER 4340-0010

SHEET NUMBER A307

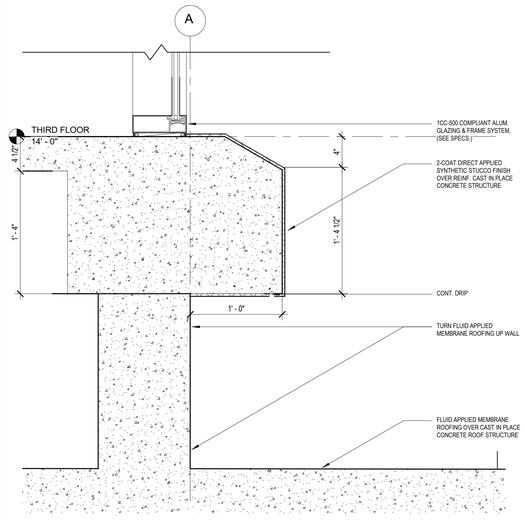
NOT FOR CONSTRUCTION

30% CONSTRUCTION DOCUMENTS



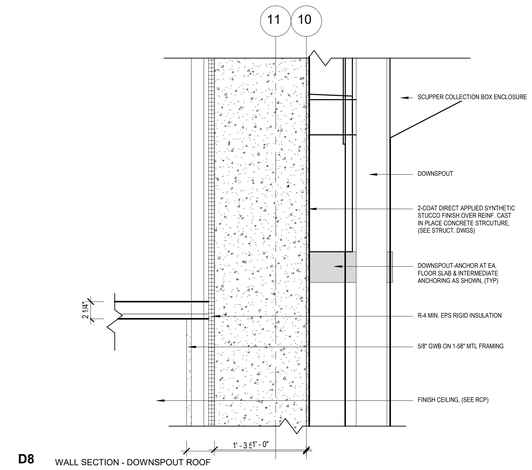

**D1** WALL DETAIL - DD 3 4TH FLOOR

A308 1 1/2" = 1'-0"



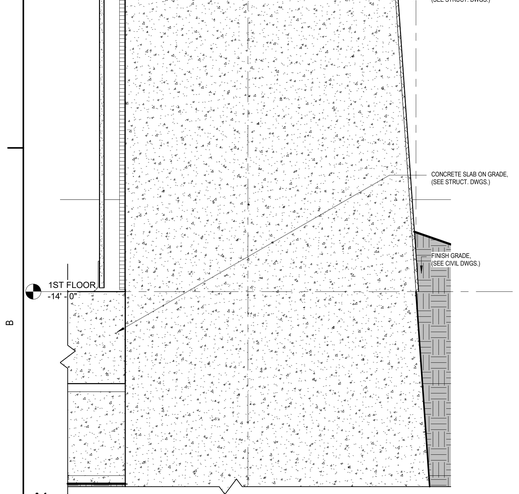

**D3** WALL DETAIL- 911 ENTRY - 3RD FLOOR

A308 1 1/2" = 1'-0"



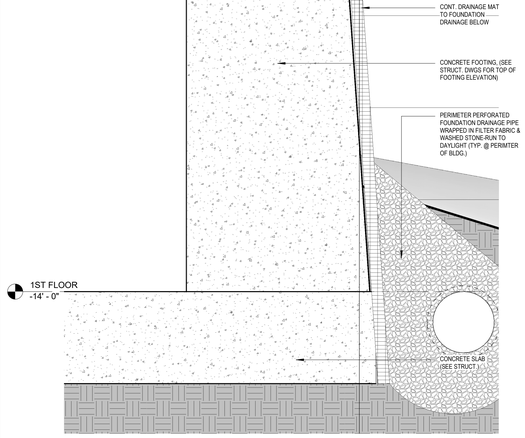

**D8** WALL SECTION - DOWNSPOUT ROOF

A308 1 1/2" = 1'-0"



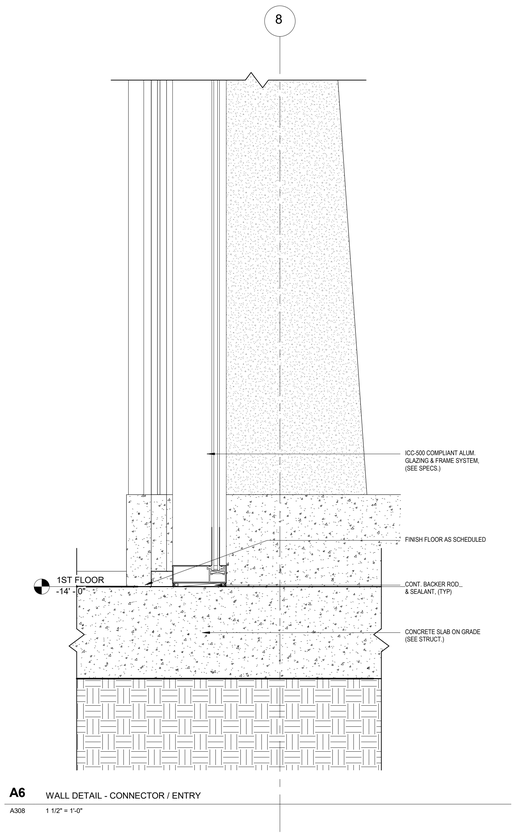

**A1** WALL DETAIL - DD 3 1ST FLOOR

A308 1 1/2" = 1'-0"



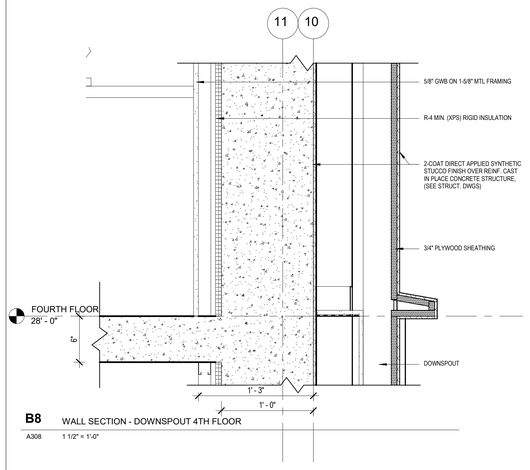

**A3** WALL DETAIL - 911 ENTRY 1ST FLOOR

A308 1 1/2" = 1'-0"



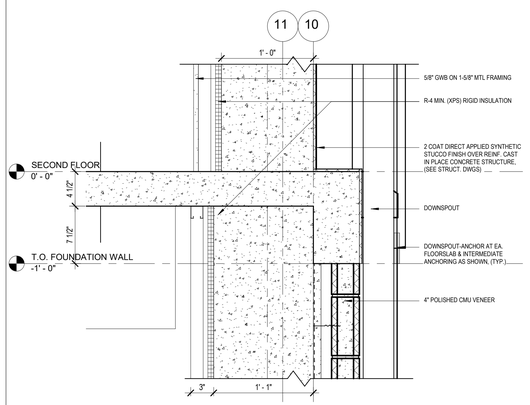

**A6** WALL DETAIL - CONNECTOR / ENTRY

A308 1 1/2" = 1'-0"




**B8** WALL SECTION - DOWNSPOUT 4TH FLOOR

A308 1 1/2" = 1'-0"




**A8** WALL SECTION - DOWNSPOUT 2ND FLOOR

A308 1 1/2" = 1'-0"

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VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

SECTION DETAILS

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

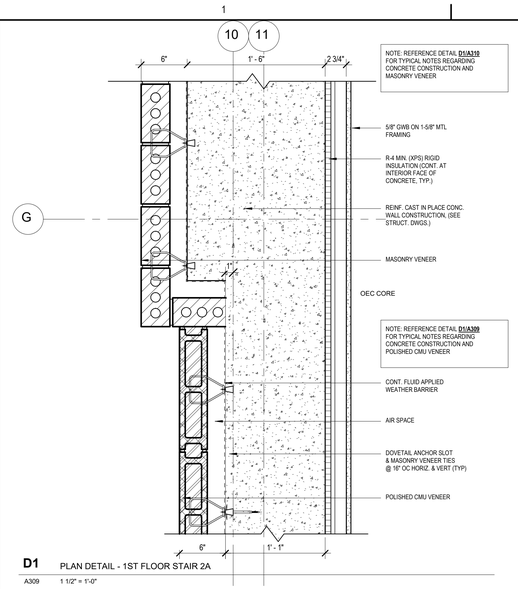
NOVUS JOB NUMBER
470-20-02

ODR PROJECT NUMBER
4340-0010

SHEET NUMBER
A308

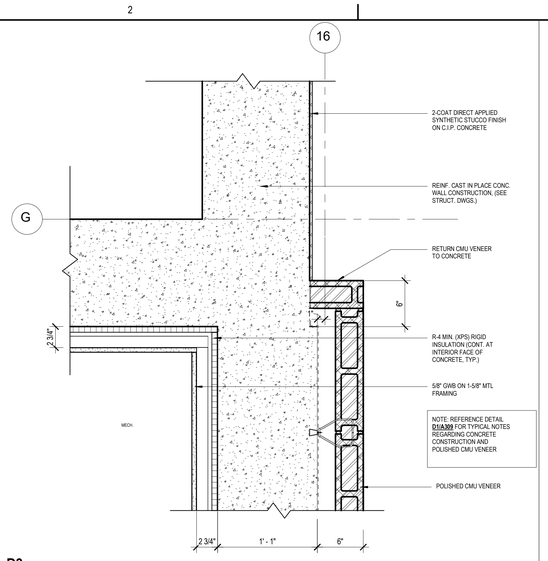
30% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION



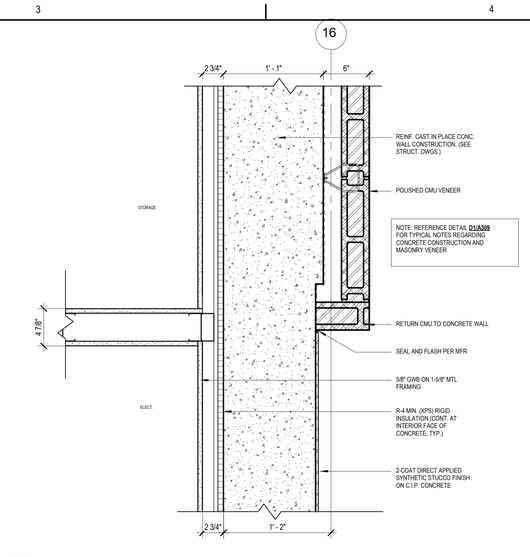

**D1** PLAN DETAIL - 1ST FLOOR STAIR 2A

A309 1 1/2" = 1'-0"



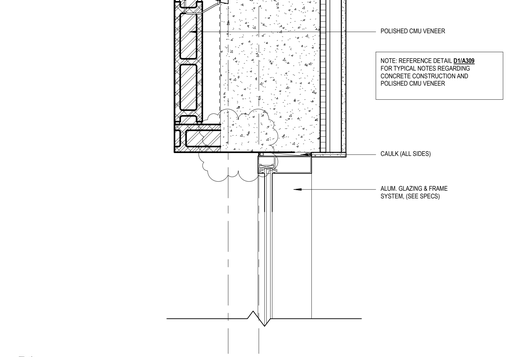

**D3** PLAN DETAIL - 1ST FLOOR STORAGE

A309 1 1/2" = 1'-0"



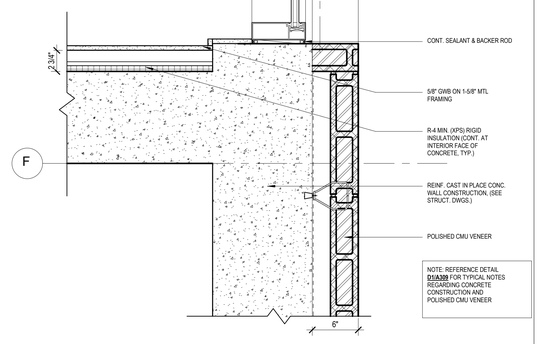

**D6** PLAN DETAIL - 1ST FLOOR ELECTRIC

A309 1 1/2" = 1'-0"



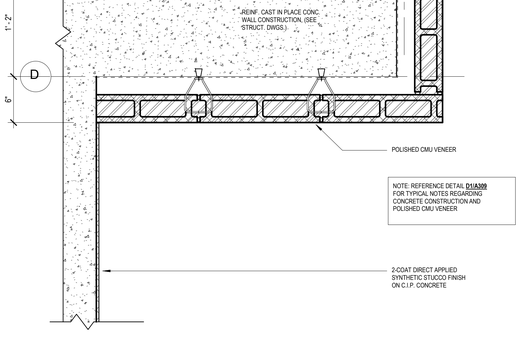

**B1** PLAN DETAIL - CORRIDOR

A309 1 1/2" = 1'-0"



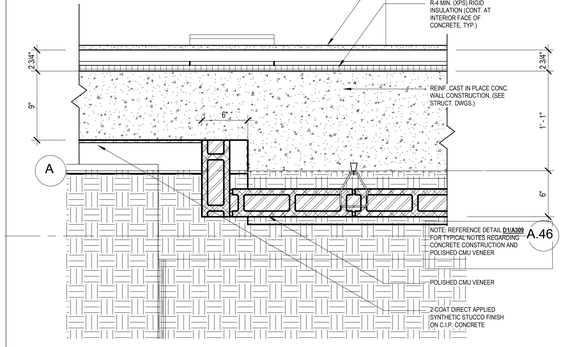

**B3** PLAN DETAIL - 1ST FLOOR ELEVATOR

A309 1 1/2" = 1'-0"



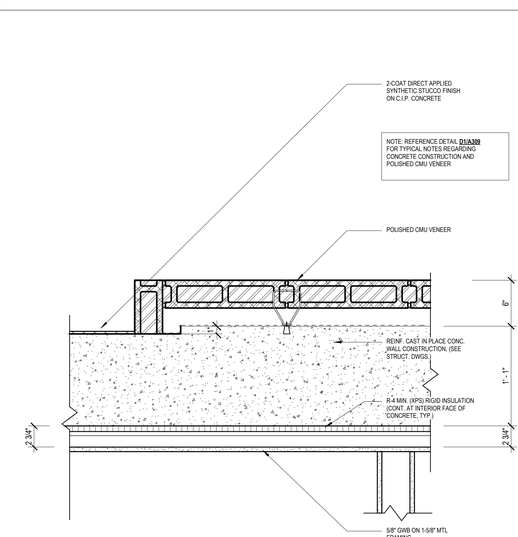

**B6** PLAN DETAIL - 1ST FLOOR ELEVATOR 2

A309 1 1/2" = 1'-0"



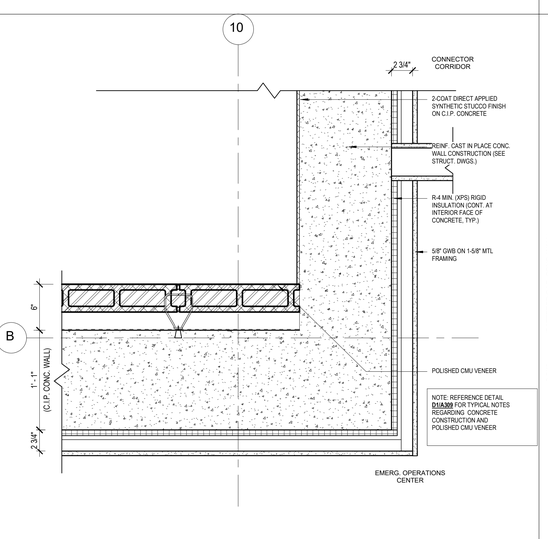

**B8** PLAN DETAIL - 1ST FLOOR PRINT & STORAGE

A309 1 1/2" = 1'-0"



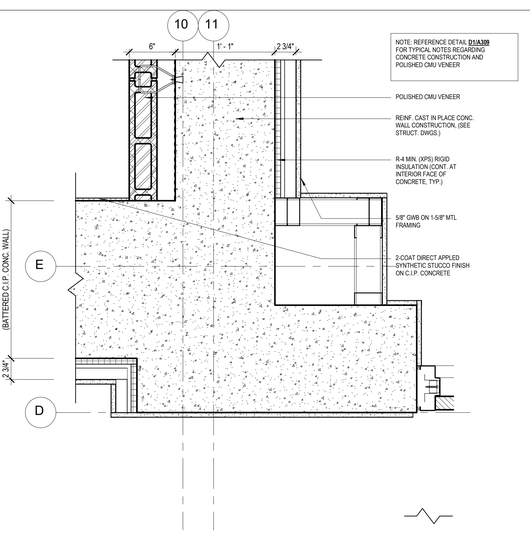

**A1** PLAN DETAIL - 1ST FLOOR TOILET

A309 1 1/2" = 1'-0"




**A3** PLAN DETAIL - 1ST FLOOR CORRIDOR

A309 1 1/2" = 1'-0"




**A6** PLAN DETAIL - 1ST FLOOR CORRIDOR 2

A309 1 1/2" = 1'-0"

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|---|---|---|
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| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA
Wind Retrofit & Safe Room
Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

PLAN DETAILS - LEVEL 1

REVISIONS:

| No. | Description | Date |
|---|---|---|
| 1 | Schematic Design | Date 1 |

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

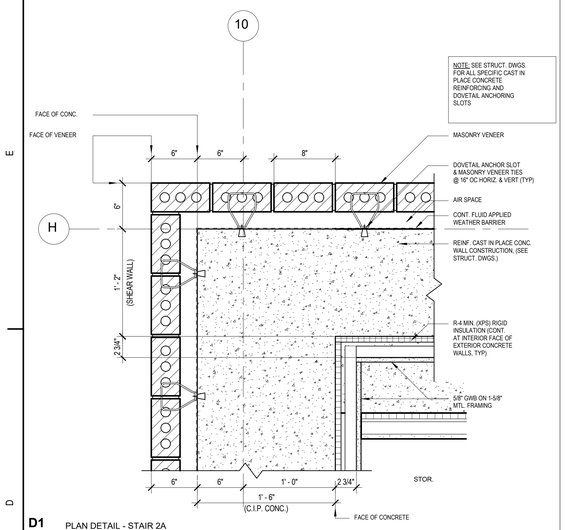
NOVUS JOB NUMBER
470-20-02

ODR PROJECT NUMBER
4340-0010

SHEET NUMBER
A309

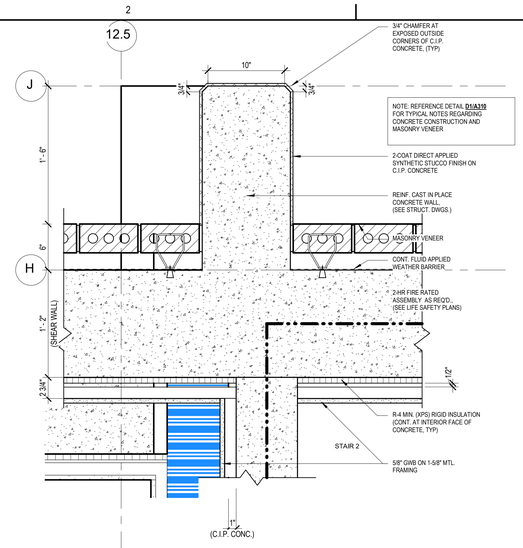
NOT FOR CONSTRUCTION

30% CONSTRUCTION DOCUMENTS



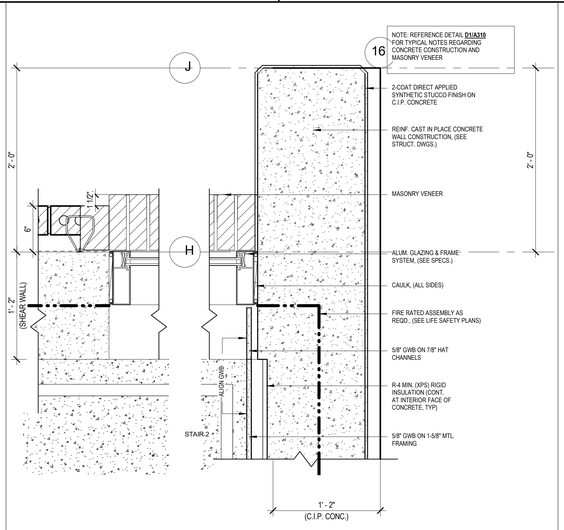

**D1** PLAN DETAIL - STAIR 2A

A310 1 1/2" = 1'-0"



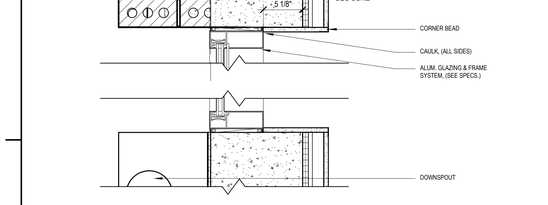

**D3** PLAN DETAIL - STAIR 2B

A310 1 1/2" = 1'-0"



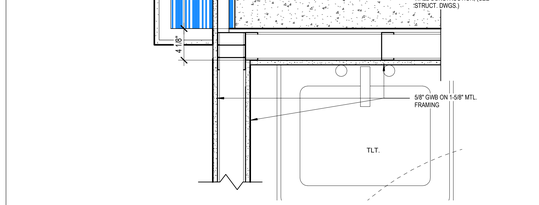

**D6** PLAN DETAIL - STAIR 2C

A310 1 1/2" = 1'-0"



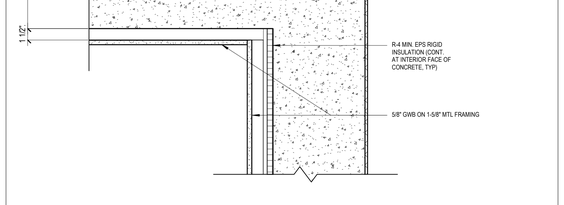

**B1** PLAN DETAIL - STAIR 2D

A310 1 1/2" = 1'-0"



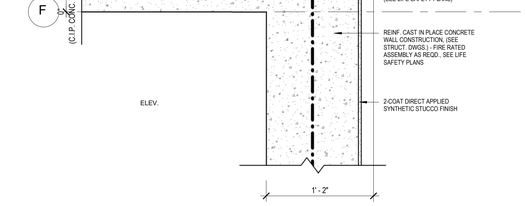

**B3** PLAN DETAIL - STAIR 2E

A310 1 1/2" = 1'-0"



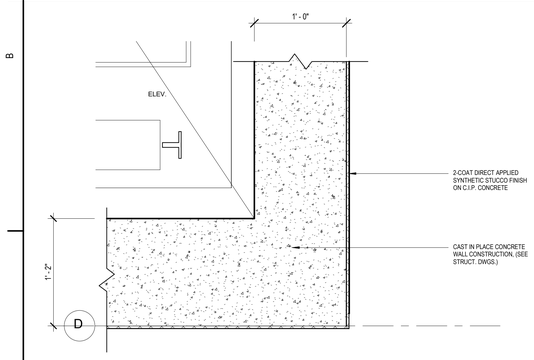

**B6** PLAN DETAIL - STAIR 2F

A310 1 1/2" = 1'-0"



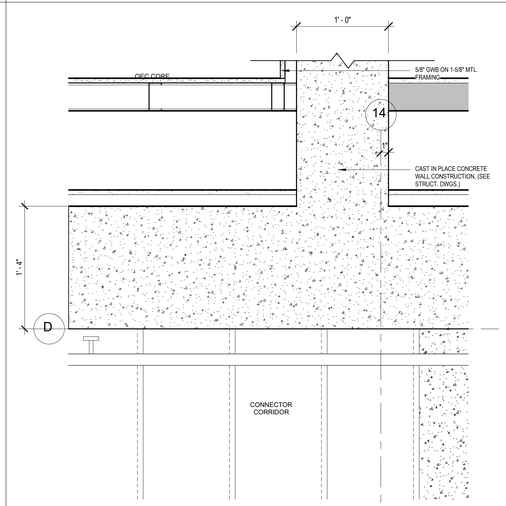

**B8** PLAN DETAIL - ELEVATOR 1

A310 1 1/2" = 1'-0"



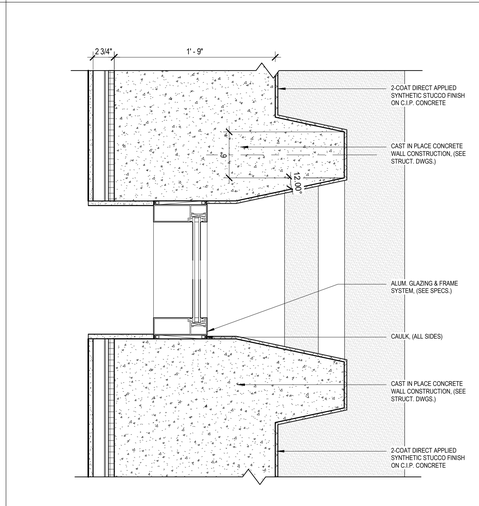

**A1** PLAN DETAIL - ELEVATOR 2

A310 1 1/2" = 1'-0"



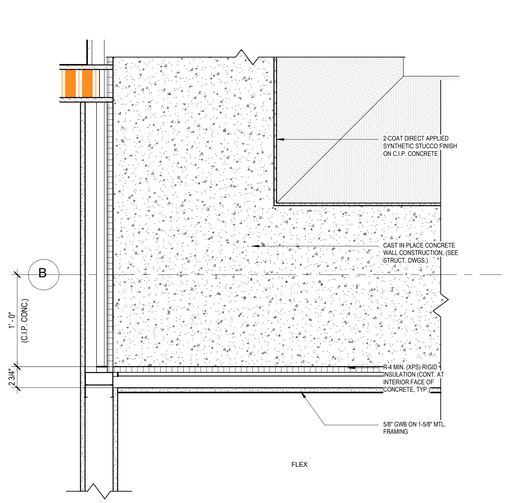

**A3** PLAN DETAIL - ELEVATOR 3

A310 1 1/2" = 1'-0"




**A6** PLAN DETAIL - CORRIDOR WINDOW

A310 1 1/2" = 1'-0"




**A8** PLAN DETAIL - CORRIDOR CORNER

A310 1 1/2" = 1'-0"

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| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

PLAN DETAILS - LEVEL 2

REVISIONS:

| No. | Description | Date |
|---|---|---|
| 1 | Schematic Design | Date 1 |

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

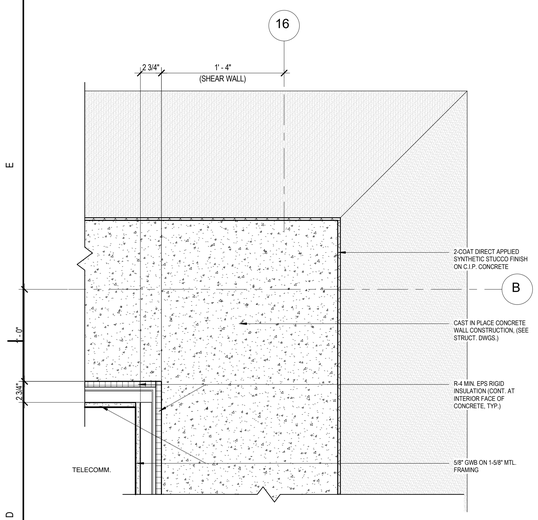
NOVUS JOB NUMBER 470-20-02

ODR PROJECT NUMBER 4340-0010

SHEET NUMBER A310

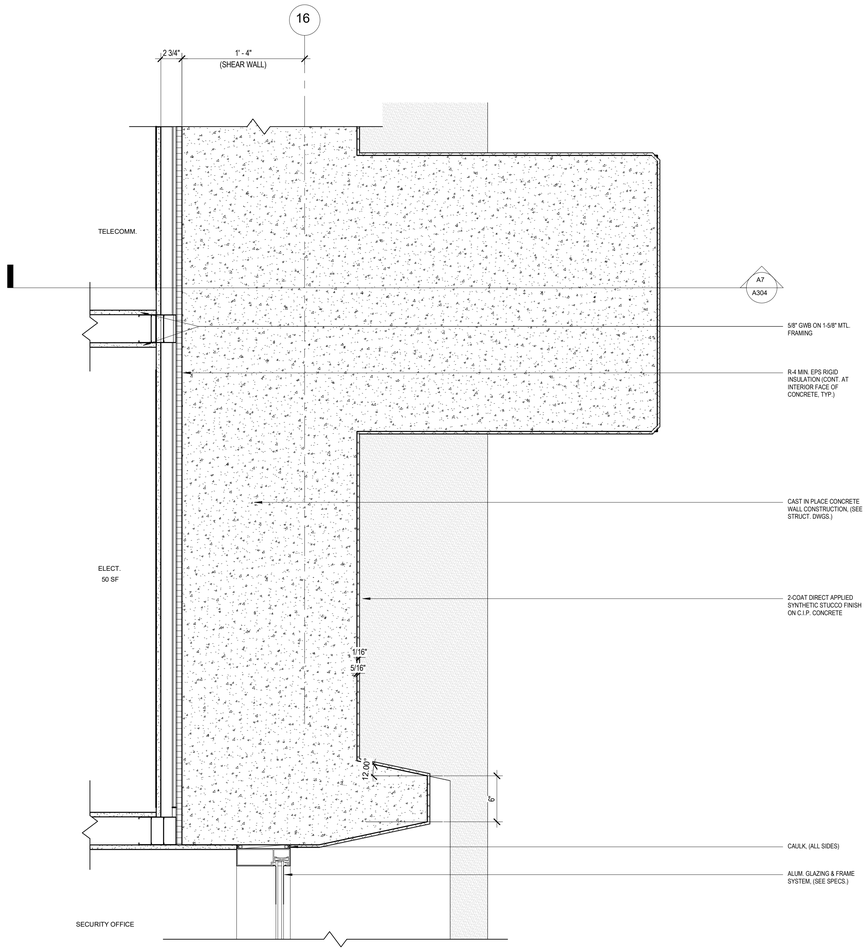
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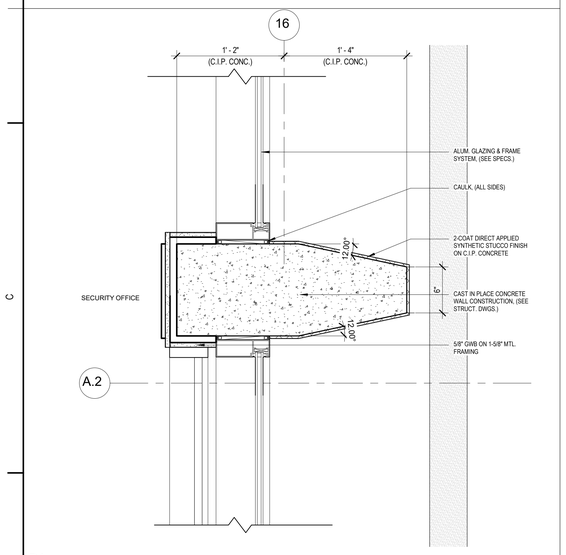

**D1** PLAN DETAIL - TELECOMM. CORNER

A311 1 1/2" = 1'-0"



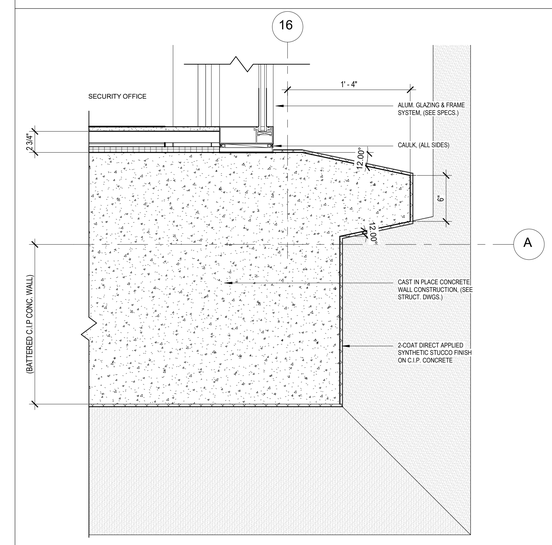

**B3** PLAN DETAIL - JUT OUT

A311 1 1/2" = 1'-0"



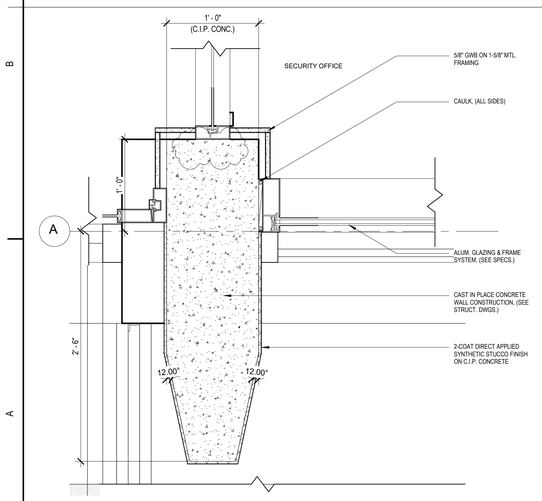

**B1** PLAN DETAIL - WINDOW

A311 1 1/2" = 1'-0"



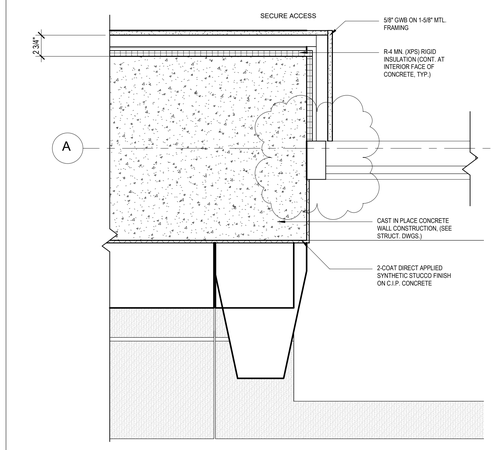

**B8** PLAN DETAIL - SECURITY CORNER

A311 1 1/2" = 1'-0"



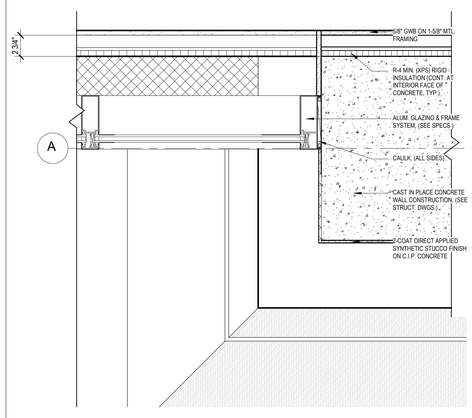

**A1** PLAN DETAIL - STAIR 2 CORNER

A311 1 1/2" = 1'-0"



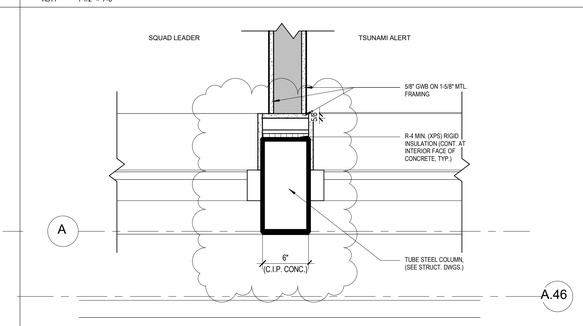

**A3** PLAN DETAIL - SECURE ACCESS

A311 1 1/2" = 1'-0"




**A6** PLAN DETAIL - STAIR 2 CORNER 2

A311 1 1/2" = 1'-0"




**A8** PLAN DETAIL - WINDOW 2

A311 1 1/2" = 1'-0"

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SUBMISSIONS:

| Ref | Description | Date |
|---|---|---|
| A | Schematic | 03.04.2022 |
| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

PLAN DETAILS- LEVEL 2

REVISIONS:

| No. | Description | Date |
|---|---|---|
| 1 | Schematic Design | Date 1 |

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

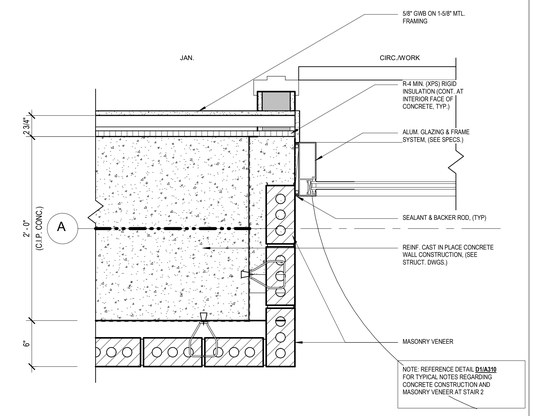
NOVUS JOB NUMBER
470-20-02

GDR PROJECT NUMBER
4340-0010

SHEET NUMBER
A311

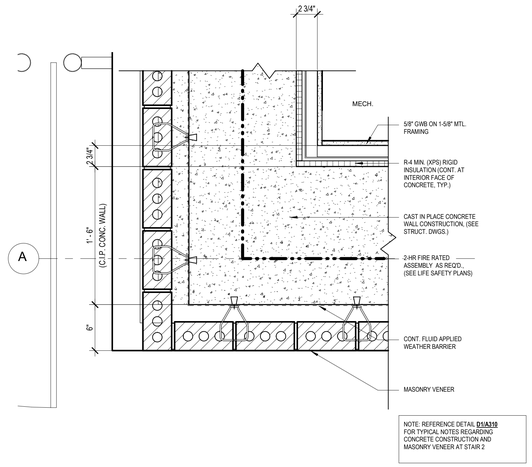
30% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION



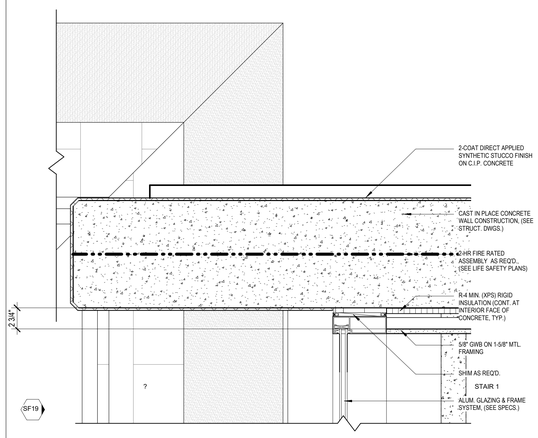

**D1** PLAN DETAIL - WINDOW 3

A312 1 1/2" = 1'-0"




**D3** PLAN DETAIL - WINDOW 1

A312 1 1/2" = 1'-0"




**D6** PLAN DETAIL - STAIR 3 CORNER

A312 1 1/2" = 1'-0"




**B1** PLAN DETAIL - CORRIDOR CORNER 2

A312 1 1/2" = 1'-0"




**B3** PLAN DETAIL - DOWNSPOUT

A312 1 1/2" = 1'-0"

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| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

PLAN DETAILS- LEVEL 2

REVISIONS:

| No. | Description | Date |
|---|---|---|
| 1 | Schematic Design | Date 1 |

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

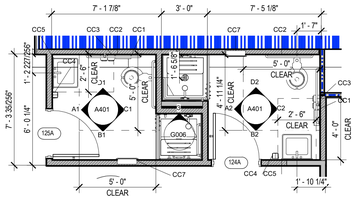
NOVUS JOB NUMBER
470-20-02

ODR PROJECT NUMBER
4340-0010

SHEET NUMBER
A312

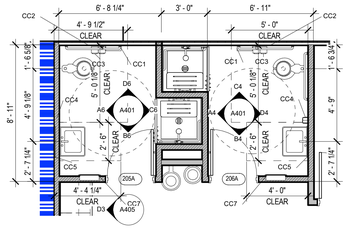
30% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION



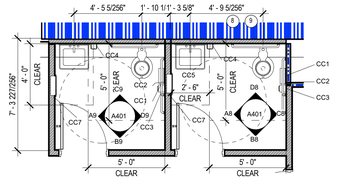

**E1** ENLARGED TOILET ROOM FLOOR PLAN - 1ST FLOOR NORTH

A401 1/4" = 1'-0"




**E3** ENLARGED TOILET ROOM FLOOR PLAN - 1ST & 2ND FLOOR SOUTH

A401 1/4" = 1'-0"




**E6** ENLARGED TOILET ROOM FLOOR PLAN - 2ND, 3RD & 4TH FLOOR NORTH

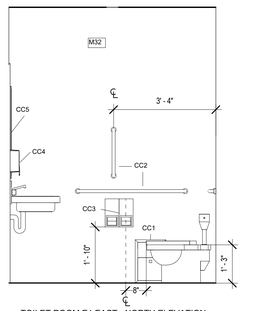
A401 1/4" = 1'-0"

## TOILET GENERAL NOTES

1. INSTALL IN-WALL BLOCKING FOR WALL HUNG ACCESSORIES PER MANUF. REQUIREMENTS.
2. REFER TO A801 FOR MATERIAL FINISH INFORMATION AND SPECIFICATIONS.
3. PROVIDE 5/8" PAPERLESS, MOLD RESISTANT GYPSUM BOARD AT SCHEDULED WALL TYPE AT THE FOLLOWING LOCATIONS: TOILET ROOMS, WET WALLS, JANITOR CLOSETS.
4. REFER TO SHEET G003 FOR ACCESSORY MOUNTING HEIGHTS.
5. REFER TO CSA803 FOR TILE BASE COVE PROFILE AND TOP TRIM DETAIL.

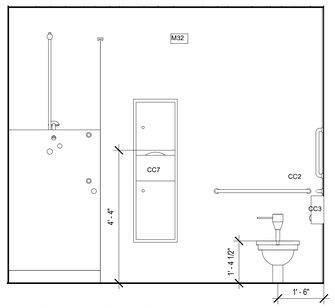
**TOILET ACCESSORIES**

| TYPE MARK | DESCRIPTION | Model | COMMENTS |
|---|---|---|---|
| CONTRACTOR PROVIDED / CONTRACTOR INSTALLED | | | |
| CC1 | TOILET SEAT COVER DISPENSER | HOSPECO HG-1-2. | |
| CC2 | FLOOR MOUNTED WATER CLOSET W/ELONGATED BOWL & OPEN SEAT . REFER TO SHEET G003 FOR CONFIGURATION. | H-WC AMERICAN STANDARD-2855.111 | MANUAL FLUSH VALVE |
| CC3 | TOILET PAPER DISPENSER | WAUSAU 88900 | |
| CC4 | SOAP DISPENSER | KLEENEX CASSETTE SKIN CARE SYSTEM | |
| CC5 | MIRROR 24"X36" | BRADLEY #781-024360 | WALL MOUNTED ABOVE LAVATORIES |
| CC7 | HAND DRYER | DYSON AIRBLADE V | WITH V BLADE BACK PANEL COLOR SPRAYED NICKEL |
| CC8 | STEP N PULL FOOT OPERATED DOOR OPENER | | COLOR: SILVER |



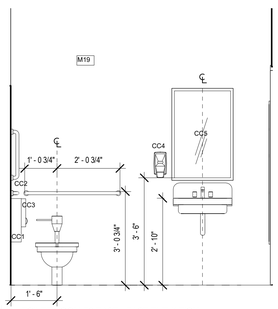

**D1** TOILET ROOM E1 EAST - NORTH ELEVATION

A401 1/2" = 1'-0"



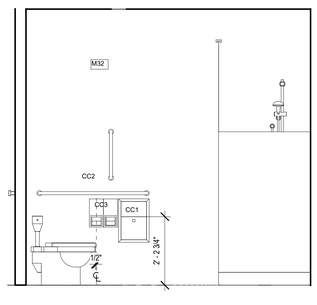

**D2** TOILET ROOM E1 WEST - NORTH ELEVATION

A401 1/2" = 1'-0"



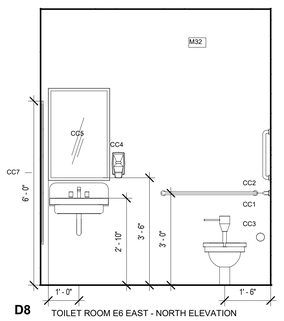

**D4** TOILET ROOM E3 EAST - EAST ELEVATION

A401 1/2" = 1'-0"



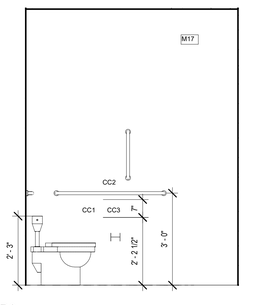

**D6** TOILET ROOM E3 WEST - NORTH ELEVATION

A401 1/2" = 1'-0"




**D8** TOILET ROOM E6 EAST - NORTH ELEVATION

A401 1/2" = 1'-0"




**D9** TOILET ROOM E6 WEST - EAST ELEVATION

A401 1/2" = 1'-0"




**C1** TOILET ROOM E1 EAST - EAST ELEVATION

A401 1/2" = 1'-0"




**C2** TOILET ROOM E1 WEST - EAST ELEVATION

A401 1/2" = 1'-0"




**C4** TOILET ROOM E3 EAST - NORTH ELEVATION

A401 1/2" = 1'-0"




**C6** TOILET ROOM E3 WEST - EAST ELEVATION

A401 1/2" = 1'-0"



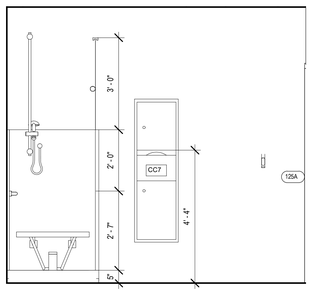

**C8** TOILET ROOM E6 EAST - EAST ELEVATION

A401 1/2" = 1'-0"



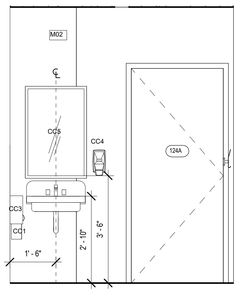

**C9** TOILET ROOM E6 WEST - NORTH ELEVATION

A401 1/2" = 1'-0"



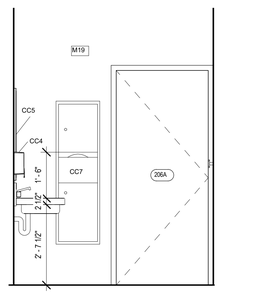

**B1** TOILET ROOM E1 EAST - SOUTH ELEVATION

A401 1/2" = 1'-0"



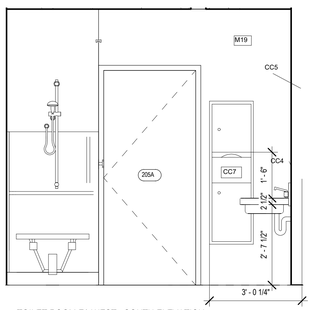

**B2** TOILET ROOM E1 WEST - SOUTH ELEVATION

A401 1/2" = 1'-0"



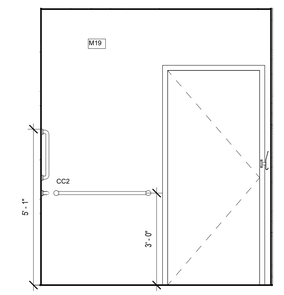

**B4** TOILET ROOM E3 EAST - SOUTH ELEVATION

A401 1/2" = 1'-0"



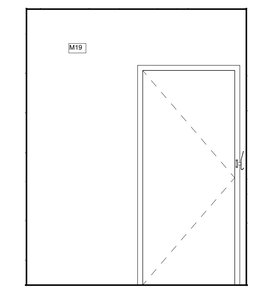

**B6** TOILET ROOM E3 WEST - SOUTH ELEVATION

A401 1/2" = 1'-0"



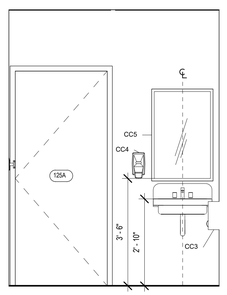

**B8** TOILET ROOM E6 EAST - SOUTH ELEVATION

A401 1/2" = 1'-0"



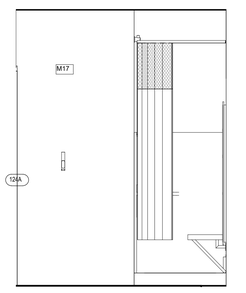

**B9** TOILET ROOM E6 WEST - SOUTH ELEVATION

A401 1/2" = 1'-0"



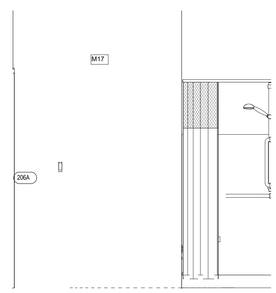

**A1** TOILET ROOM E1 EAST - WEST ELEVATION

A401 1/2" = 1'-0"



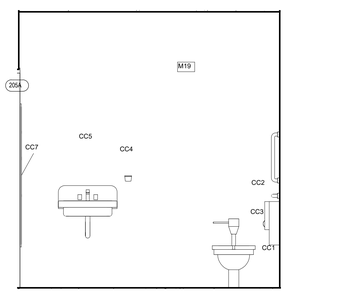

**A2** TOILET ROOM E1 WEST - WEST ELEVATION

A401 1/2" = 1'-0"



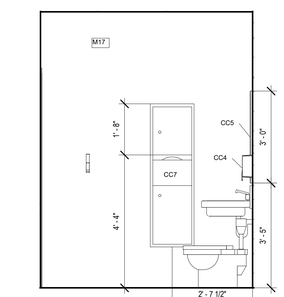

**A4** TOILET ROOM E3 EAST - WEST ELEVATION

A401 1/2" = 1'-0"



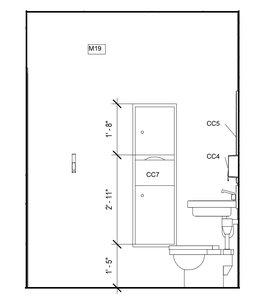

**A6** TOILET ROOM E3 WEST - WEST ELEVATION

A401 1/2" = 1'-0"




**A8** TOILET ROOM E6 EAST - WEST ELEVATION

A401 1/2" = 1'-0"




**A9** TOILET ROOM E6 WEST - WEST ELEVATION

A401 1/2" = 1'-0"

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| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

ENLARGED BATHROOM PLANS, ELEVATIONS, & DETAILS

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: Author

CHECKED BY: Checker

DATE: August 18, 2022

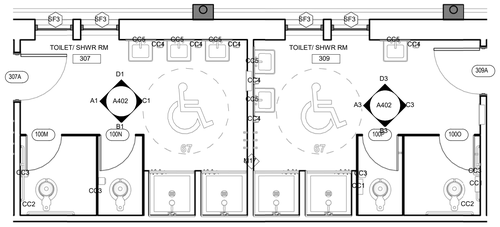
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ODR PROJECT NUMBER 4340-0010

SHEET NUMBER A401

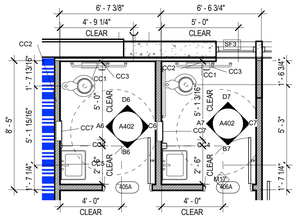
30% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION



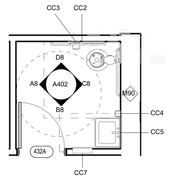

**E2** ENLARGED TOILET ROOM FLOOR PLAN - 3RD SOUTH W/ SHOWERS

A402 1/4" = 1'-0"



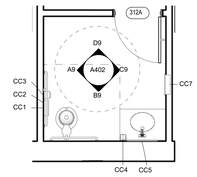

**E4** ENLARGED TOILET ROOM FLOOR PLAN - 4TH FLOOR SOUTH

A402 1/4" = 1'-0"




**E5** ENLARGED TOILET ROOM FLOOR PLAN - 4TH FLOOR NORTH

A402 1/4" = 1'-0"




**E7** ENLARGED TOILET ROOM FLOOR PLAN - 3RD FLOOR SOUTH

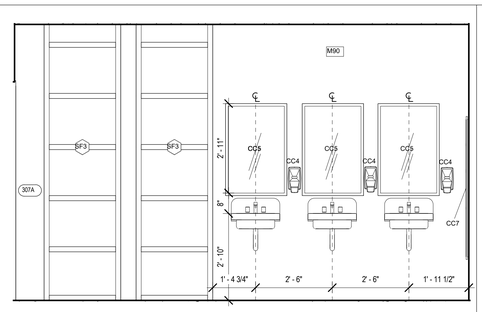
A402 1/4" = 1'-0"

## TOILET GENERAL NOTES

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2. REFER TO A801 FOR MATERIAL FINISH INFORMATION AND SPECIFICATIONS.
3. PROVIDE 5/8" PAPERLESS, MOLD RESISTANT GYPSUM BOARD AT SCHEDULED WALL TYPE AT THE FOLLOWING LOCATIONS: TOILET ROOMS, WET WALLS, JANITOR CLOSETS.
4. REFER TO SHEET G003 FOR ACCESSORY MOUNTING HEIGHTS.
5. REFER TO CSIA003 FOR TILE BASE COVE PROFILE AND TOP TRIM DETAIL.

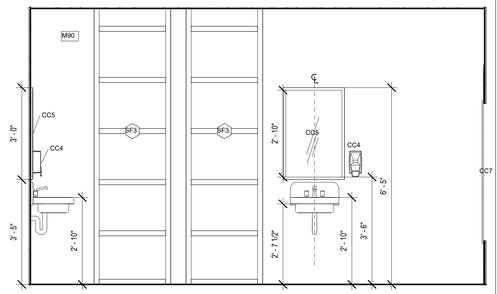
**TOILET ACCESSORIES**

| TYPE MARK | DESCRIPTION | Model | COMMENTS |
|---|---|---|---|
| CONTRACTOR PROVIDED / CONTRACTOR INSTALLED | | | |
| CC1 | TOILET SEAT COVER DISPENSER | HOSPECO HG-1-2, | |
| CC2 | FLOOR MOUNTED WATER CLOSET W/ELONGATED BOWL & OPEN SEAT . REFER TO SHEET G003 FOR CONFIGURATION. | H-WC AMERICAN STANDARD-2855.111 | MANUAL FLUSH VALVE |
| CC3 | TOILET PAPER DISPENSER | WAUSAU 88900 | |
| CC4 | SOAP DISPENSER | KLEENEX CASSETTE SKIN CARE SYSTEM | |
| CC5 | MIRROR 24"X36" | BRADLEY #781-024360 | WALL MOUNTED ABOVE LAVATORIES |
| CC7 | HAND DRYER | DYSON AIRBLADE V | WITH V BLADE BACK PANEL COLOR SPRAYED NICKEL |
| CC8 | STEP N PULL FOOT OPERATED DOOR OPENER | | COLOR: SILVER |



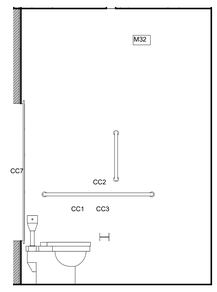

**D1** TOILET ROOM E2 WEST - NORTH ELEVATION

A402 1/2" = 1'-0"



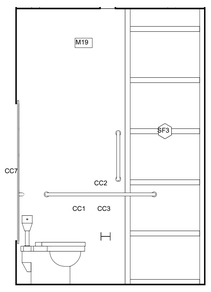

**D3** TOILET ROOM E2 EAST - NORTH ELEVATION

A402 1/2" = 1'-0"



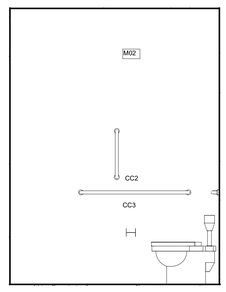

**D6** TOILET ROOM E4 WEST - NORTH ELEVATION

A402 1/2" = 1'-0"



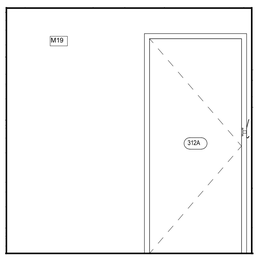

**D7** TOILET ROOM E4 EAST - NORTH ELEVATION

A402 1/2" = 1'-0"



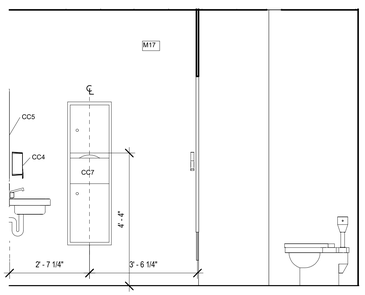

**D8** TOILET ROOM E5 - NORTH ELEVATION

A402 1/2" = 1'-0"



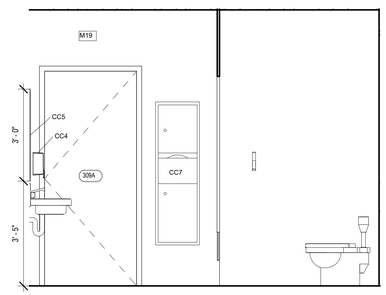

**D9** TOILET ROOM E7 - NORTH ELEVATION

A402 1/2" = 1'-0"



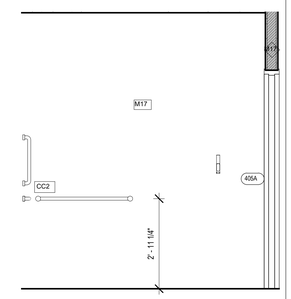

**C1** TOILET ROOM E2 WEST - EAST ELEVATION

A402 1/2" = 1'-0"



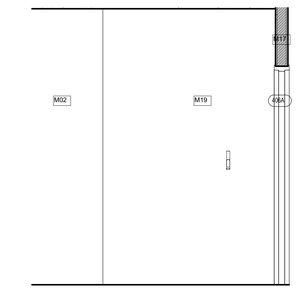

**C3** TOILET ROOM E2 EAST - EAST ELEVATION

A402 1/2" = 1'-0"



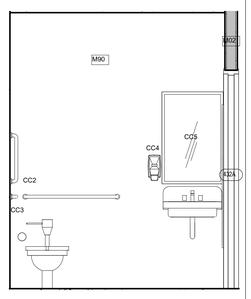

**C6** TOILET ROOM E4 WEST - EAST ELEVATION

A402 1/2" = 1'-0"



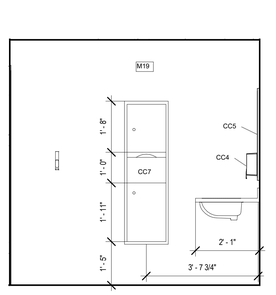

**C7** TOILET ROOM E4 EAST - EAST ELEVATION

A402 1/2" = 1'-0"



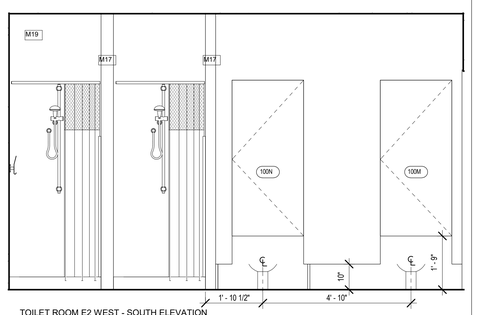

**C8** TOILET ROOM E5 - EAST ELEVATION

A402 1/2" = 1'-0"



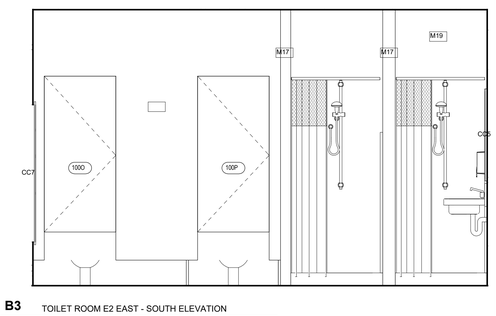

**C9** TOILET ROOM E7 - EAST ELEVATION

A402 1/2" = 1'-0"



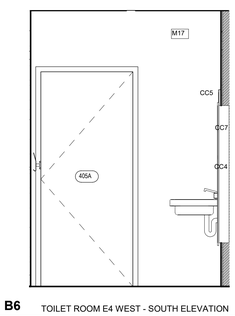

**B1** TOILET ROOM E2 WEST - SOUTH ELEVATION

A402 1/2" = 1'-0"



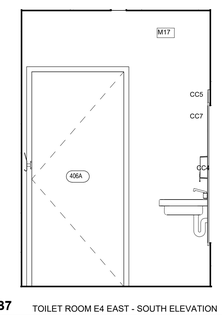

**B3** TOILET ROOM E2 EAST - SOUTH ELEVATION

A402 1/2" = 1'-0"



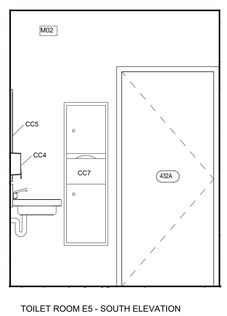

**B6** TOILET ROOM E4 WEST - SOUTH ELEVATION

A402 1/2" = 1'-0"



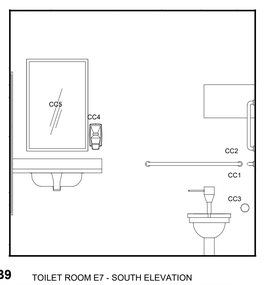

**B7** TOILET ROOM E4 EAST - SOUTH ELEVATION

A402 1/2" = 1'-0"



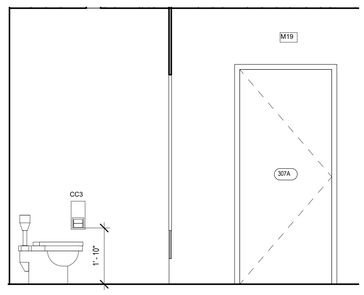

**B8** TOILET ROOM E5 - SOUTH ELEVATION

A402 1/2" = 1'-0"



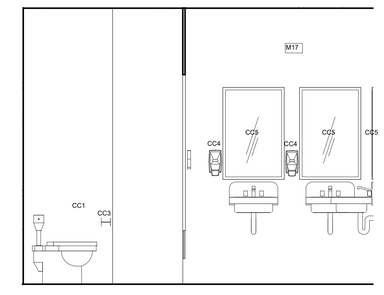

**B9** TOILET ROOM E7 - SOUTH ELEVATION

A402 1/2" = 1'-0"



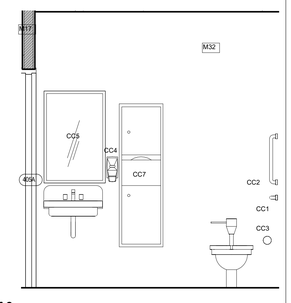

**A1** TOILET ROOM E2 WEST - WEST ELEVATION

A402 1/2" = 1'-0"



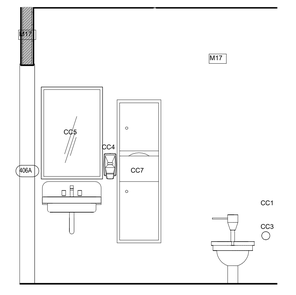

**A3** TOILET ROOM E2 EAST - WEST ELEVATION

A402 1/2" = 1'-0"



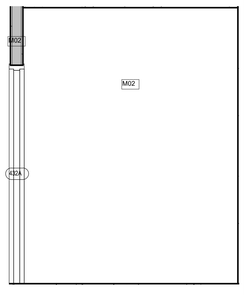

**A6** TOILET ROOM E4 WEST - WEST ELEVATION

A402 1/2" = 1'-0"



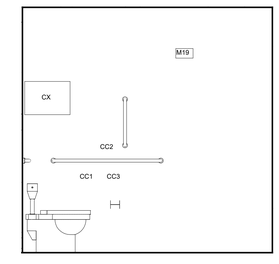

**A7** TOILET ROOM E4 EAST - WEST ELEVATION

A402 1/2" = 1'-0"




**A8** TOILET ROOM E5 - WEST ELEVATION

A402 1/2" = 1'-0"




**A9** TOILET ROOM E7 - WEST ELEVATION

A402 1/2" = 1'-0"

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| Ref | Description | Date |
|---|---|---|
| A | Schematic | 03.04.2022 |
| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

ENLARGED BATHROOM PLANS, ELEVATIONS, & DETAILS

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: Author

CHECKED BY: Checker

DATE: August 18, 2022

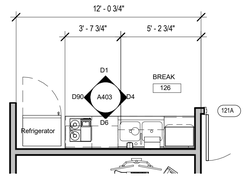
NOVUS JOB NUMBER 470-20-02

ODR PROJECT NUMBER 4340-0010

SHEET NUMBER A402

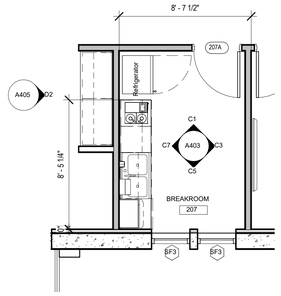
30% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION



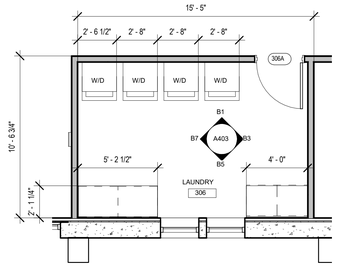

**E1** 1ST FLOOR BREAKROOM ENLARGED PLAN

A403 1/4" = 1'-0"



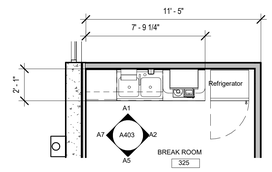

**E3** 2ND FLOOR BREAKROOM ENLARGED PLAN

A403 1/4" = 1'-0"



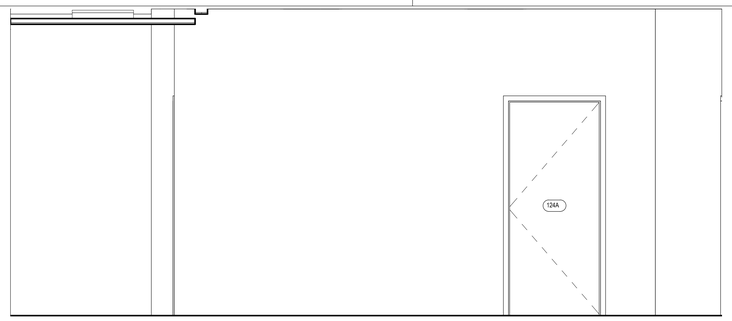

**E5** 3RD FLOOR LAUNDRY ENLARGED PLAN

A403 1/4" = 1'-0"



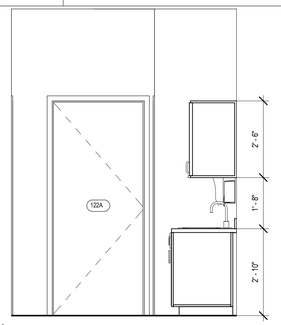

**E7** 3RD FLOOR BREAKROOM ENLARGED PLAN

A403 1/4" = 1'-0"



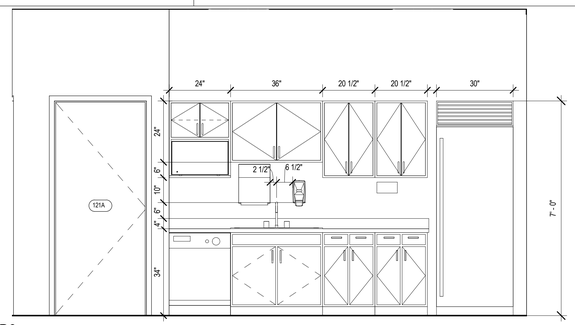

**D1** 1ST FLOOR BREAKROOM - NORTH ELEVATION

A403 1/2" = 1'-0"



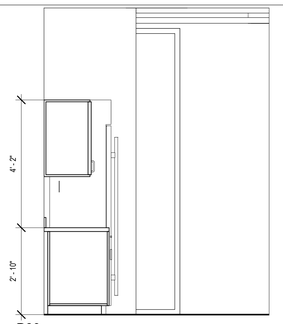

**D4** 1ST FLOOR BREAKROOM - EAST ELEVATION

A403 1/2" = 1'-0"



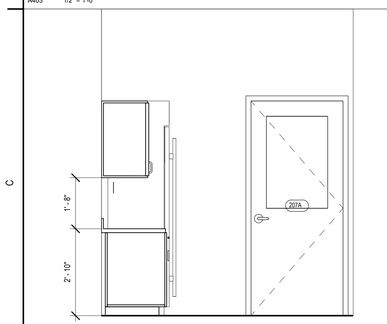

**D6** 1ST FLOOR BREAKROOM - SOUTH ELEVATION

A403 1/2" = 1'-0"




**D90** 1ST FLOOR BREAKROOM - WEST ELEVATION

A403 1/2" = 1'-0"



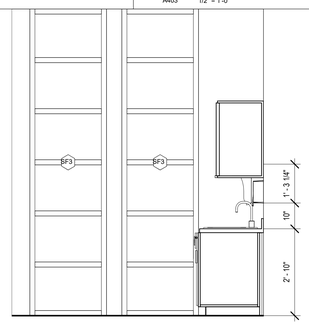

**C1** 2ND FLOOR BREAKROOM - NORTH ELEVATION

A403 1/2" = 1'-0"



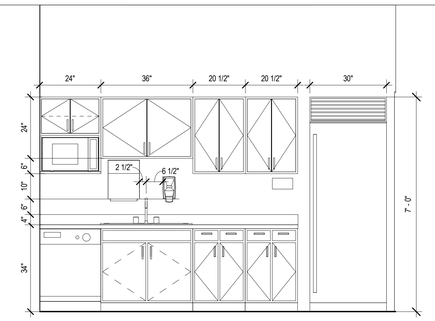
**C3** 2ND FLOOR BREAKROOM - EAST ELEVATION

A403 1/2" = 1'-0"



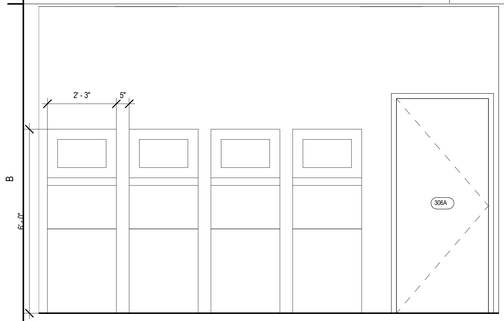

**C5** 2ND FLOOR BREAKROOM - SOUTH ELEVATION

A403 1/2" = 1'-0"



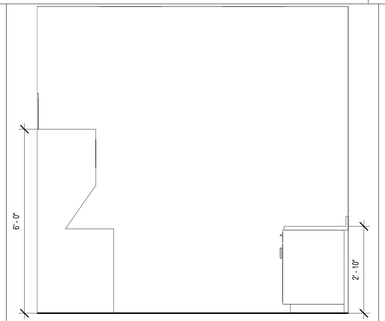

**C7** 2ND FLOOR BREAKROOM - WEST ELEVATION

A403 1/2" = 1'-0"



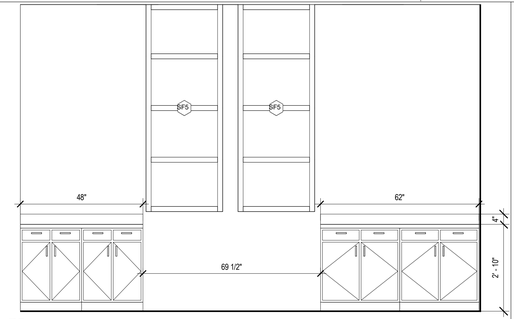

**B1** 3RD FLOOR LAUNDRY - NORTH ELEVATION

A403 1/2" = 1'-0"



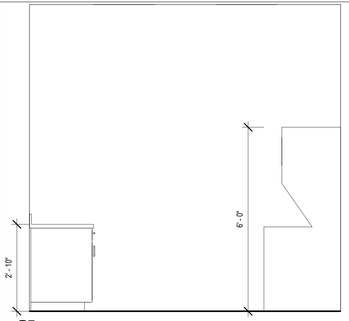

**B3** 3RD FLOOR LAUNDRY - EAST ELEVATION

A403 1/2" = 1'-0"



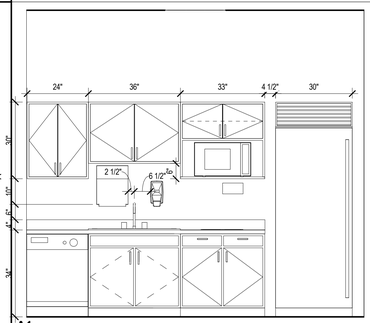

**B5** 3RD FLOOR LAUNDRY - SOUTH ELEVATION

A403 1/2" = 1'-0"



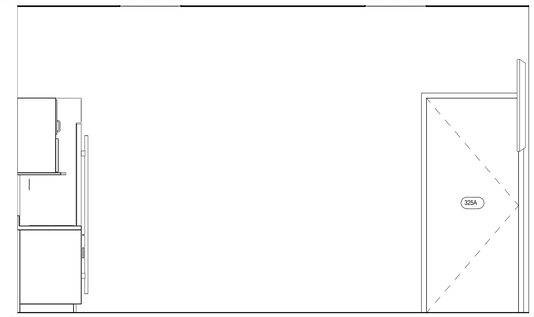

**B7** 3RD FLOOR LAUNDRY - WEST ELEVATION

A403 1/2" = 1'-0"



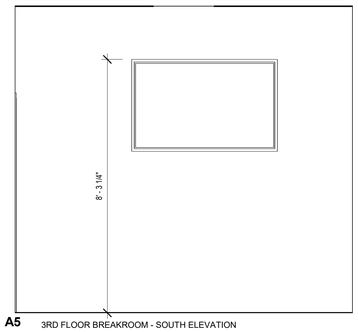

**A1** 3RD FLOOR BREAKROOM - NORTH ELEVATION

A403 1/2" = 1'-0"



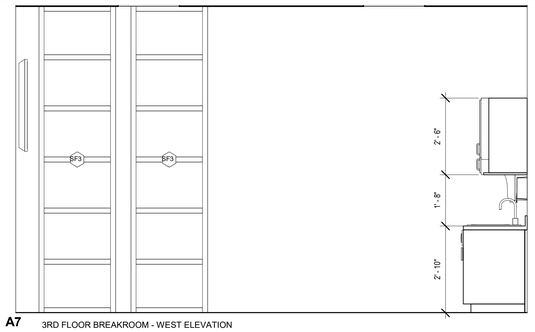

**A2** 3RD FLOOR BREAKROOM - EAST ELEVATION

A403 1/2" = 1'-0"




**A5** 3RD FLOOR BREAKROOM - SOUTH ELEVATION

A403 1/2" = 1'-0"




**A7** 3RD FLOOR BREAKROOM - WEST ELEVATION

A403 1/2" = 1'-0"

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| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

ENLARGED PLANS AND ELEVATIONS

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: Author

CHECKED BY: Checker

DATE: August 18, 2022

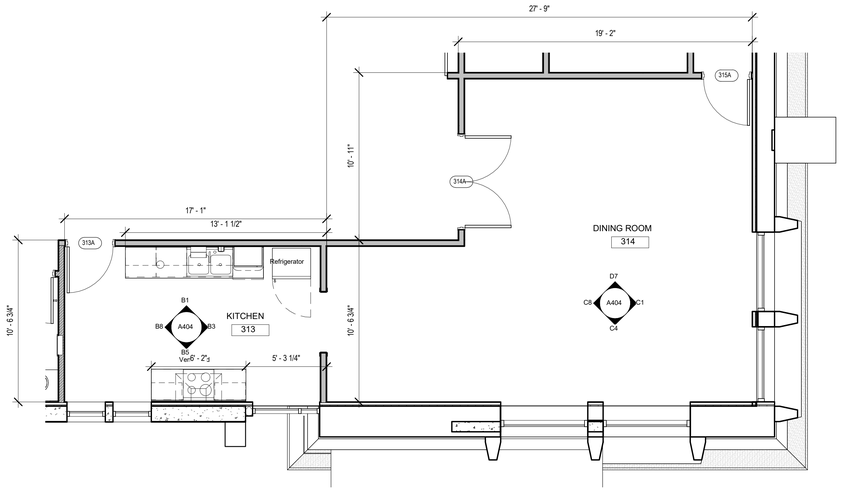
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GDR PROJECT NUMBER 4340-0010

SHEET NUMBER A403

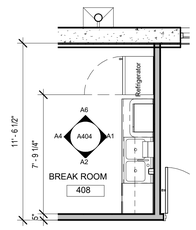
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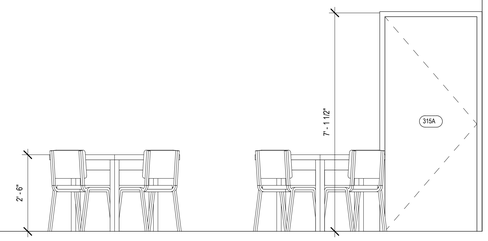

**D1** 3RD FLOOR KITCHEN & DINING ENLARGED PLAN

A404 1/4" = 1'-0"



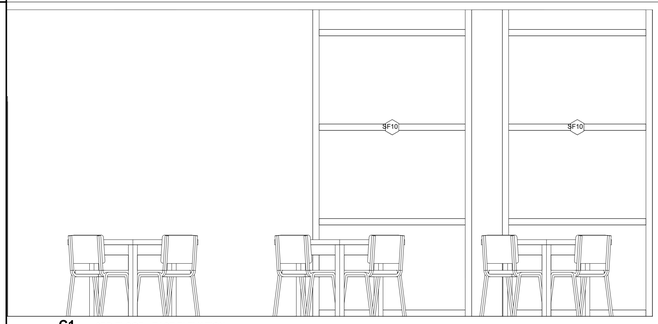

**E7** 4TH FLOOR BREAKROOM ENLARGED PLAN

A404 1/4" = 1'-0"



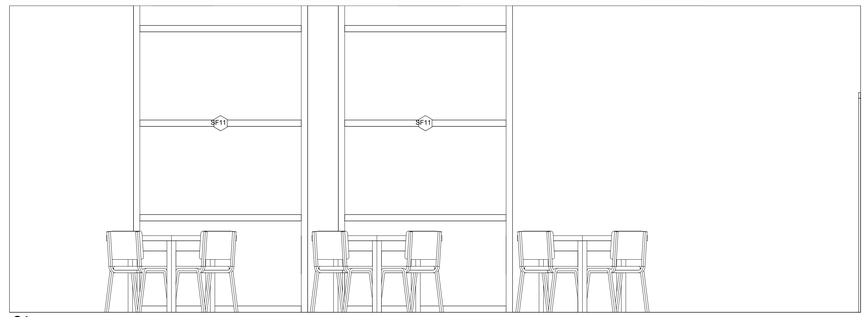

**D7** 3RD FLOOR DINING - NORTH ELEVATION

A404 1/2" = 1'-0"



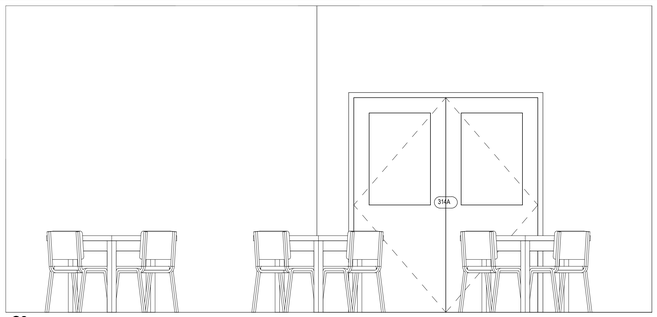

**C1** 3RD FLOOR - EAST ELEVATION

A404 1/2" = 1'-0"



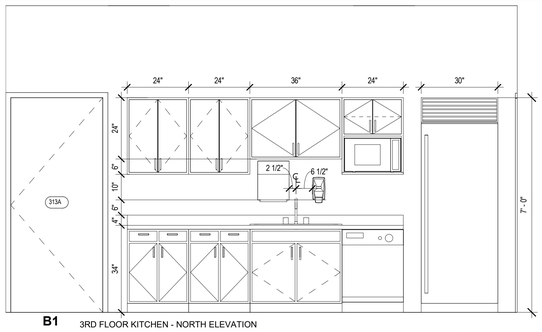

**C4** 3RD FLOOR DINING - SOUTH ELEVATION

A404 1/2" = 1'-0"




**C8** 3RD FLOOR DINING - WEST ELEVATION

A404 1/2" = 1'-0"



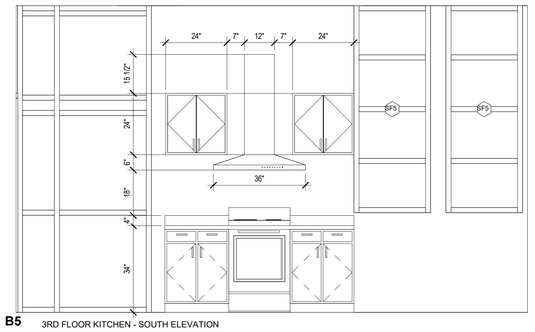

**B1** 3RD FLOOR KITCHEN - NORTH ELEVATION

A404 1/2" = 1'-0"



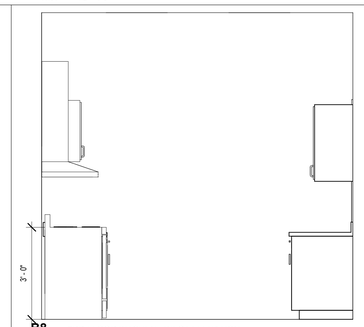

**B3** 3RD FLOOR KITCHEN - EAST ELEVATION

A404 1/2" = 1'-0"



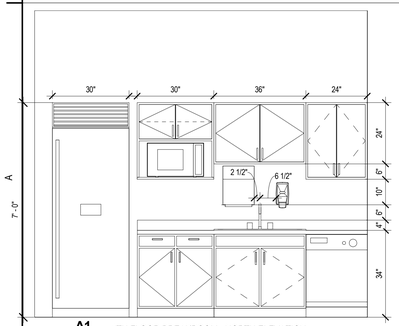

**B5** 3RD FLOOR KITCHEN - SOUTH ELEVATION

A404 1/2" = 1'-0"



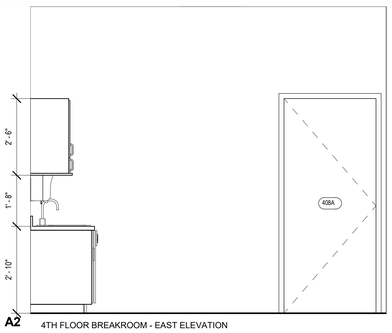

**B8** 3RD FLOOR KITCHEN - WEST ELEVATION

A404 1/2" = 1'-0"




**A1** 4TH FLOOR BREAKROOM - NORTH ELEVATION

A404 1/2" = 1'-0"

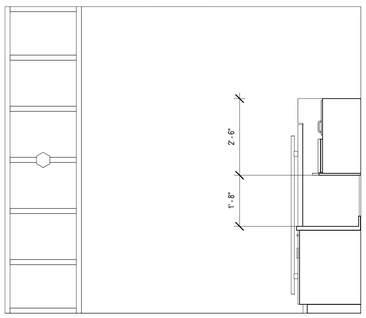



**A2** 4TH FLOOR BREAKROOM - EAST ELEVATION

A404 1/2" = 1'-0"

**A4** 4TH FLOOR BREAKROOM - SOUTH ELEVATION

A404 1/2" = 1'-0"




**A6** 4TH FLOOR BREAKROOM - WEST ELEVATION

A404 1/2" = 1'-0"

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M90

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| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

ENLARGED PLANS AND ELEVATIONS

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: Author

CHECKED BY: Checker

DATE: August 18, 2022

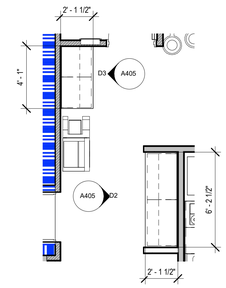
NOVUS JOB NUMBER 470-20-02

OOR PROJECT NUMBER 4340-0010

SHEET NUMBER A404

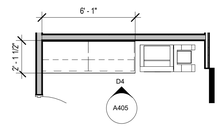
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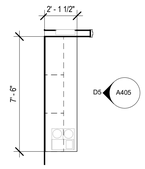

**E3** 2ND FLOOR CIRC/ WORK COUNTERS

A405 1/4" = 1'-0"



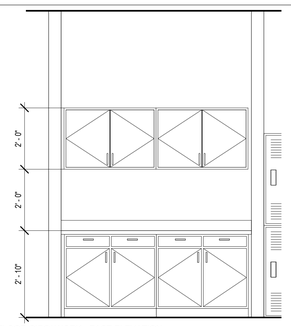

**E4** 4TH FLOOR COPY/ SUPPLY ENLARGED PLAN

A405 1/4" = 1'-0"



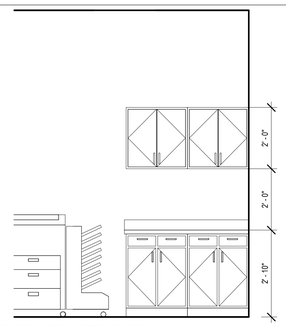

**E5** 1ST FLR COPY/PRINT

A405 1/4" = 1'-0"



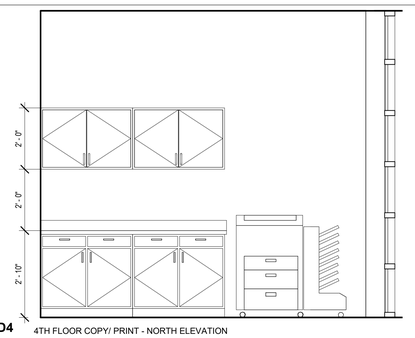

**D2** 2ND FLOOR CIRC/ WORK - EAST ELEVATION

A405 1/2" = 1'-0"



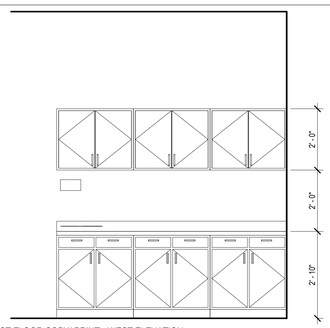

**D3** 2ND FLOOR CIRC/ WORK - WEST ELEVATION

A405 1/2" = 1'-0"




**D4** 4TH FLOOR COPY/ PRINT - NORTH ELEVATION

A405 1/2" = 1'-0"




**D5** 1ST FLOOR COPY/ PRINT - WEST ELEVATION

A405 1/2" = 1'-0"

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VITEMA
Wind Retrofit & Safe Room
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| | | |

DRAWN BY: Author
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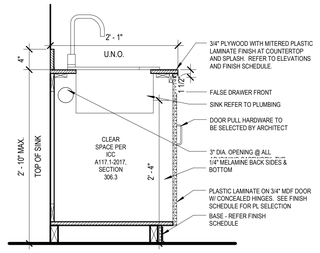
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470-20-02

ODR PROJECT NUMBER
4340-0010

SHEET NUMBER
A405

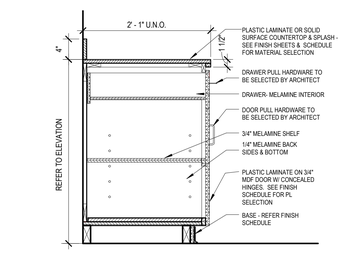
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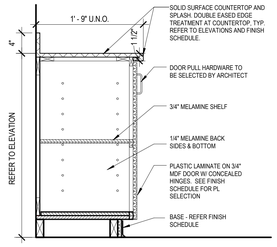

**E1** 152 BASE CABINET ADA SINK

A451 1" = 1'-0"



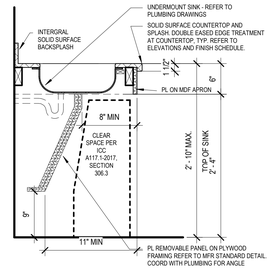

**E3** 211 & 222 BASE CABINET TYP @ DOOR/DRAWER

A451 1" = 1'-0"



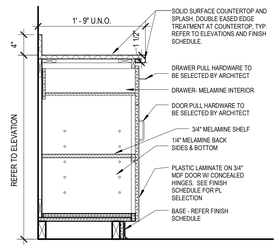

**E5** 102 BASE CABINET SINGLE DOOR

A451 1" = 1'-0"



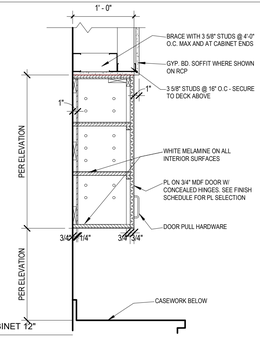

**E7** 154 SLOPED FRONT ADA UNDERMOUNT SINK

A451 1" = 1'-0"



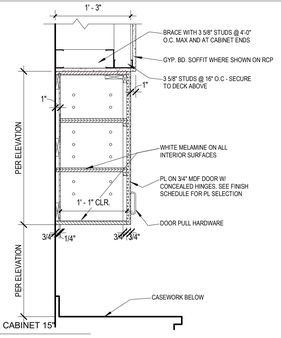

**D1** 223 BASE CABINET W/ DRAWER

A451 1" = 1'-0"



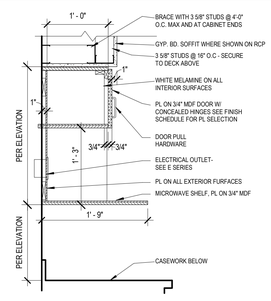

**D3** 301 TYPICAL UPPER CABINET 12"

A451 1" = 1'-0"



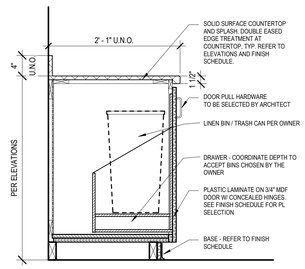

**D5** 301 TYPICAL UPPER CABINET 15"

A451 1" = 1'-0"



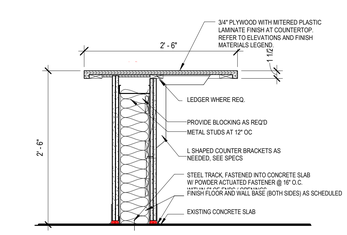

**D7** 326 UPPER @ MICROWAVE

A451 1" = 1'-0"



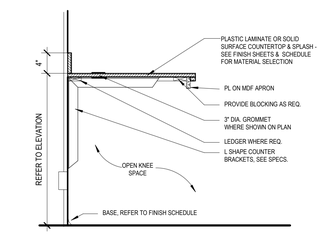

**C1** BASE CABINET W/ PULL-OUT TRASH

A451 1" = 1'-0"



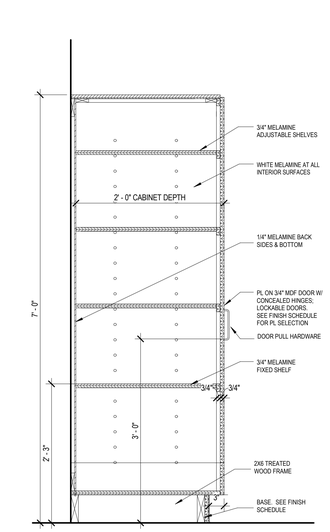

**C3** TRANSACTION COUNTER @ OFFICE

A451 1" = 1'-0"




**C5** COUNTERTOP OPEN KNEE

A451 1" = 1'-0"




**B7** 402 TALL STORAGE CABINET

A451 1" = 1'-0"

## CASEWORK NOTES

1. REFER TO A400s SERIES FOR CASEWORK PLANS, ELEVATIONS, DETAILS, & SECTIONS.
2. REFER TO A111/A112/A113 FOR EQUIPMENT SCHEDULE AND A401 FOR ACCESSORY SCHEDULE.
3. DRAWER AND DOOR FRONTS TO BE 3/4" SUBSTRATE WITH 3MM PVC EDGE BANDING MATCHING ADJOINING LAMINATE AS CLOSE AS POSSIBLE.
4. ALL EXPOSED BACKSPLASH & COUNTER EDGES TO OVER HANG BASE CABINETS BY 1-1/2" AND BE EDGED WITH 3MM PVC EDGE BANDING.
5. CASEWORK NUMBERING SYSTEM IS BASED ON **AWI CCS NUMBERING SYSTEM.**
6. ALL DIMENSIONS TO BE FIELD VERIED BY CONTRACTOR AND/OR SUPPLIER PRIOR TO FABRICATION.
7. ALL EXPOSED CABINET SURFACES TO BE PLASTIC LAMINATE UNLESS NOTED OTHERWISE. SEE CASEWORK ELEVATIONS & FINISH MATERIALS LEGEND FOR PLASTIC LAMINATE SELECTIONS.
8. SEE SPECIFICATIONS FOR PLASTIC LAMINATE CONSTRUCTION.
9. ALL SOLID SURFACE COUNTERTOPS TO HAVE EASED EDGE UNLESS NOTED OTHERWISE.
10. PROVIDE MATCHING FILLER PANELS WHEREVER REQUIRED. MAXIMUM 3" WIDTH.
11. BASE CABINETS TO BE 2'-0" DEEP UNLESS NOTED OTHERWISE.
12. ALL COUNTERTOPS TO BE 2'- 1 1/2"
13. ALL SOLID SURFACE COUNTERTOPS TO BE SS-1, UNLESS NOTED OTHERWISE ON FINISH PLANS.
14. PROVIDE WORKSTATION BRACKETS AT ALL KNEE SPACE & APRON UNITS. LOCATE BRACKETS 4'-0" O.C. MAX. ALL UNDERCOUNTER SUPPORTS TO MEET ACCESSIBILITY CLEARANCE REQUIREMENTS.
15. THE CONTRACTOR SHALL COORDINATE THE WORK OF OTHER TRADES INSTALLED IN THE CASEWORK. & VERIFY THAT WORK IS PERFORMED IN ACCORDANCE WITH THE BEST PRACTICES OF EACH TRADE.
16. ALL BACKSPLASHES TO BE 4" HIGH UNLESS NOTED OTHERWISE.
17. ALL WALL HUNG CABINETS, INCLUDING OPEN SHELVING TO BE 1'-2" CLEAR INSIDE UNLESS NOTED OTHERWISE.
18. ALL BASE & & WALL MOUNTED CABINETS (INCLUDING OPEN SHELVING) TO HAVE ADJUSTABLE SHELVING UNLESS NOTED OTHERWISE.
19. SECURE ALL FREE STANDING CABINETS TO FLOOR AS REQUIRED FOR APPLICABLE CODES INCLUDING SEISMIC REQUIREMENTS.
20. AFTER CASEWORK IS PROPERLY SCRIBED TO WALL, ALL JOINTS AT TOPS OF CABINETS TO BE CAULKED WITH CLEAR SILICONE ADHESIVE CAULK.
21. COORDINATE CASEWORK WITH OWNER FURNISHED EQUIPMENT LOCATED WITHIN, ON, OR ADJACENT TO CASEWORK FOR SIZES & OPENING REQUIREMENTS.
22. SEE TYPICAL DETAILS FOR BLOCKING REQUIREMENTS. COORDINATE REQUIRED LOCATIONS WITH MANUFACTURER.
23. PROVIDE GROMMETS AS REQUIRED FOR ABOVE COUNTER ELECTRICAL APPLIANCES IN ALL CASEWORK. COLOR TO BE SELECTED BY ARCHITECT.
24. PROVIDE FINISHED END PANELS AT ALL EXPOSED SURFACES. FINISH IS PLASTIC LAMINATE UNLESS NOTED OTHERWISE. REFER TO FINISH MATERIALS LEGEND FOR PLASTIC LAMINATE SELECTIONS.
25. CASEWORK BASES ARE 4" UNLESS OTHERWISE NOTED ON ELEVATIONS AND / OR DETAILS.
26. SEE FINISH MATERIALS LISTING FOR SPECIALTY HARDWARE.
27. WHERE SECTION TAGS ARE NOT SHOWN ON CASEWORK ELEVATIONS, REFER TO SPECIALTY MILLWORK ELEVATION SHEETS.

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VITEMA
Wind Retrofit & Safe Room
Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

CASEWORK SECTIONS

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: Author
CHECKED BY: Checker
DATE: August 18, 2022
NOVUS JOB NUMBER: 470-20-02
ODR PROJECT NUMBER: 4340-0010

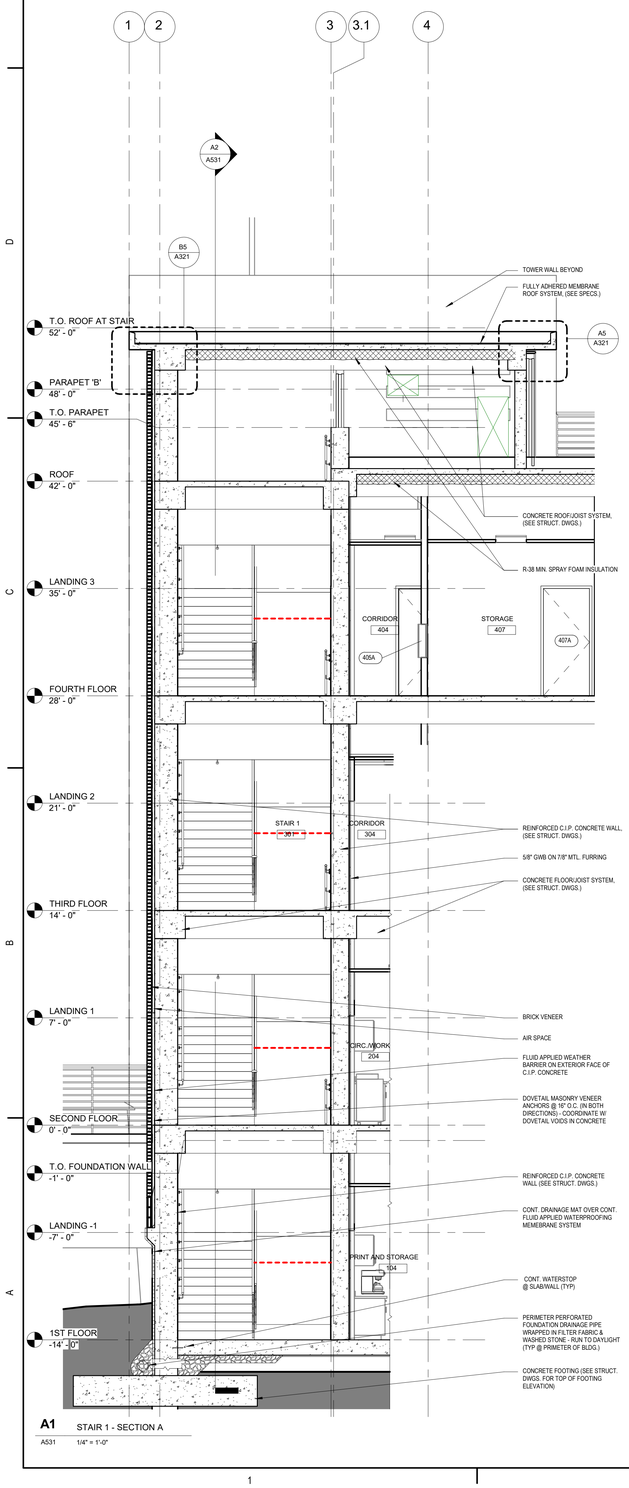
SHEET NUMBER
A451

30% CONSTRUCTION DOCUMENTS

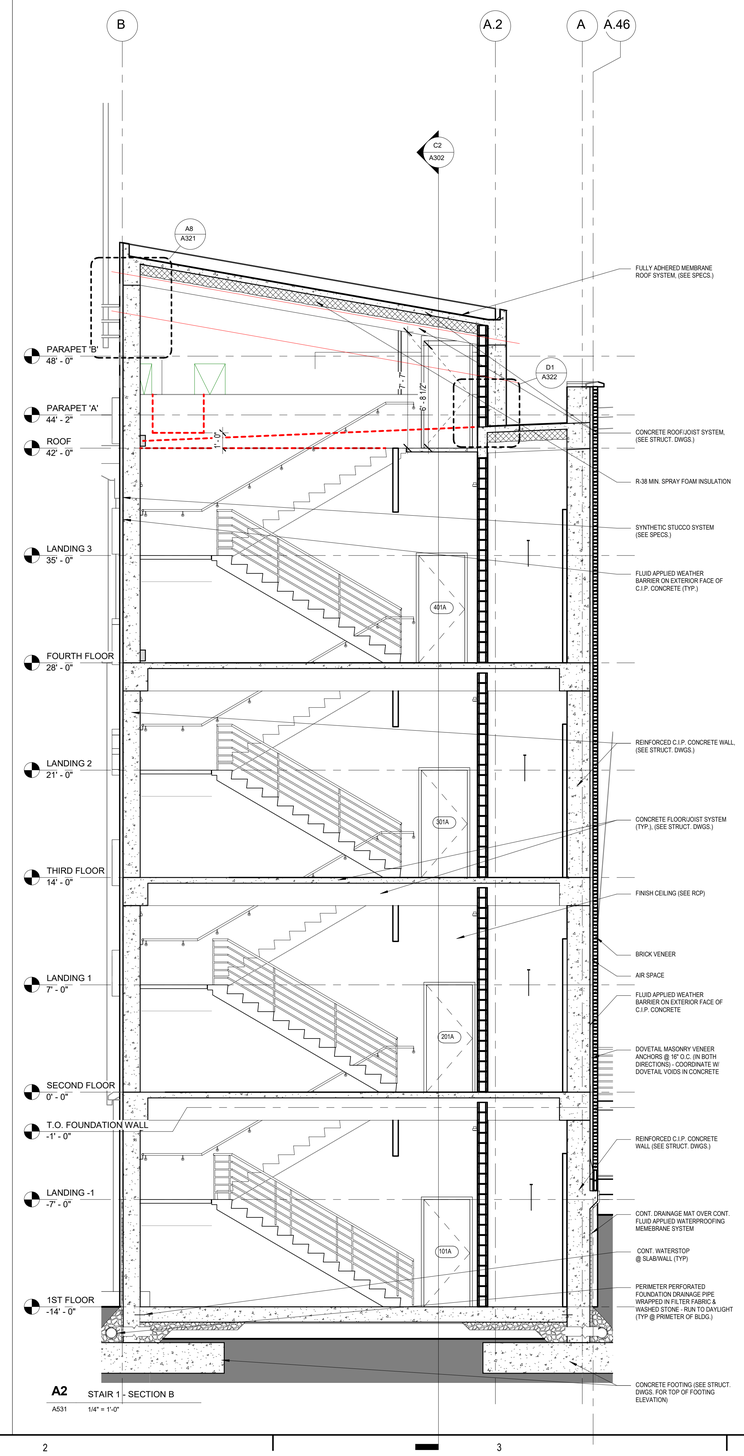
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## GENERAL NOTES

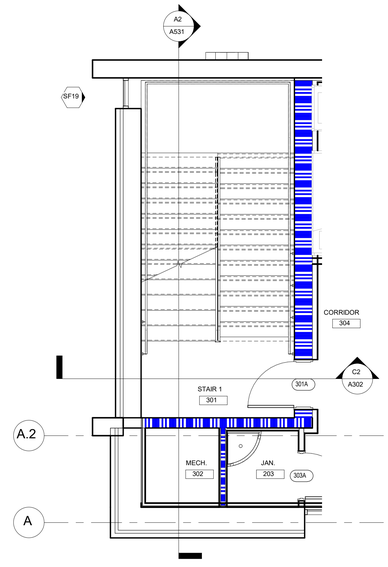
- SEE A600 SHEET SERIES FOR ADDITIONAL INFORMATION ON EXTERIOR STOREFRONT GLAZING, FRAME, AND DOOR SYSTEMS



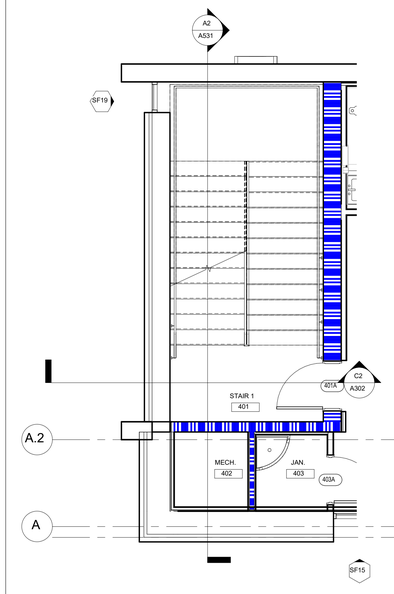

**A1** STAIR 1 - SECTION A
A531 1/4" = 1'-0"



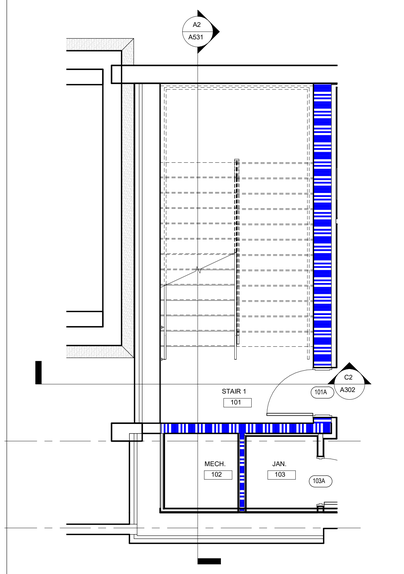

**A2** STAIR 1 - SECTION B
A531 1/4" = 1'-0"



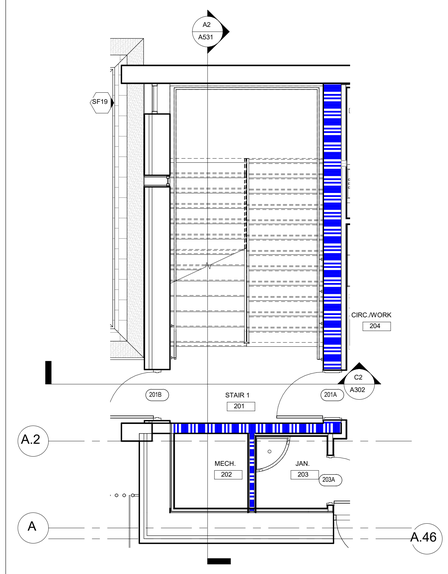

**C4** STAIR 1 - 3RD FLOOR PLAN
A531 1/4" = 1'-0"




**C5** STAIR 1 - 4TH FLOOR PLAN
A531 1/4" = 1'-0"




**A4** STAIR 1 - 1ST FLOOR PLAN
A531 1/4" = 1'-0"




**A5** STAIR 1 - 2ND FLOOR PLAN
A531 1/4" = 1'-0"

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| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA
Wind Retrofit & Safe Room
Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

STAIR1 - ENLARGED PLANS & SECTIONS

REVISIONS:

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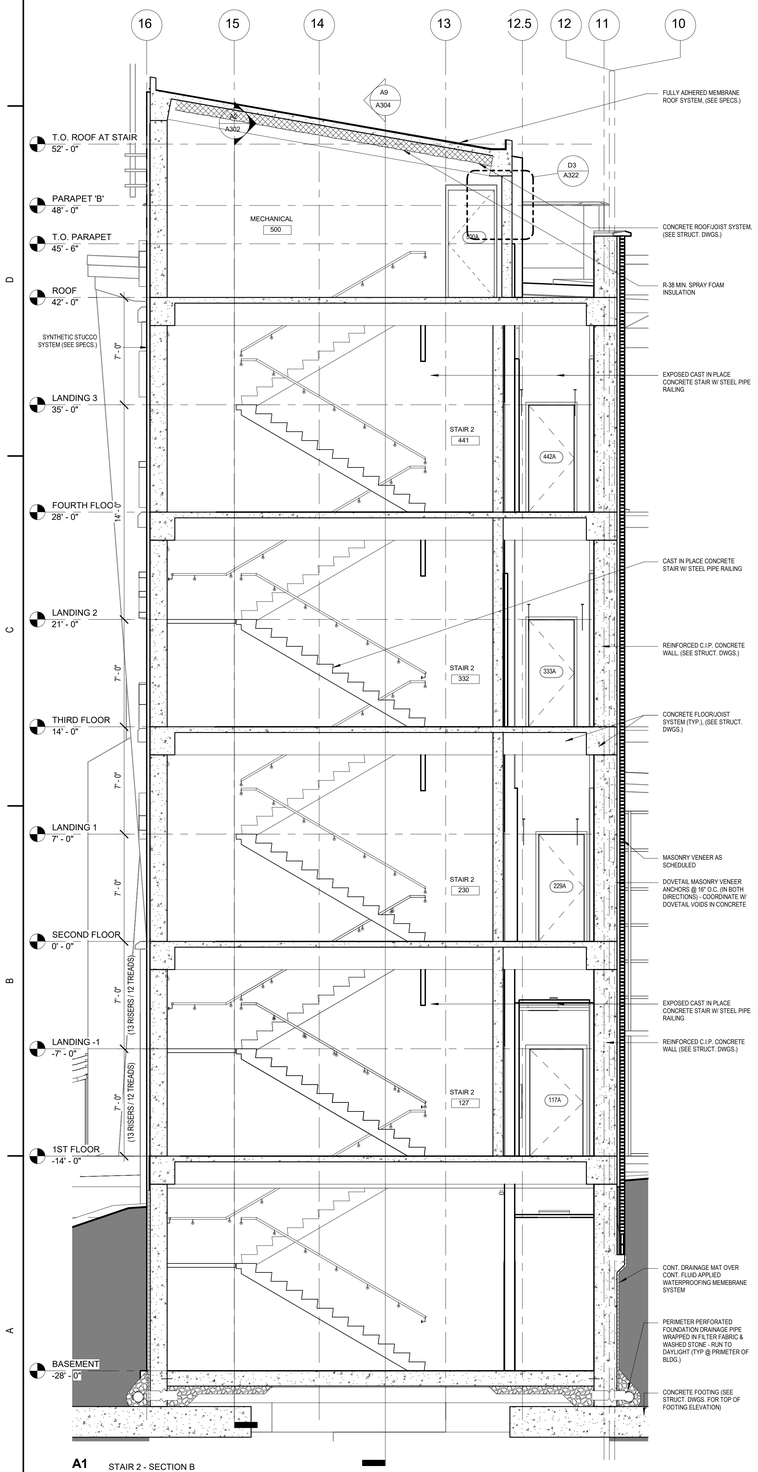
DRAWN BY: SRL
CHECKED BY: JLT
DATE: August 18, 2022

NOVUS JOB NUMBER
470-20-02

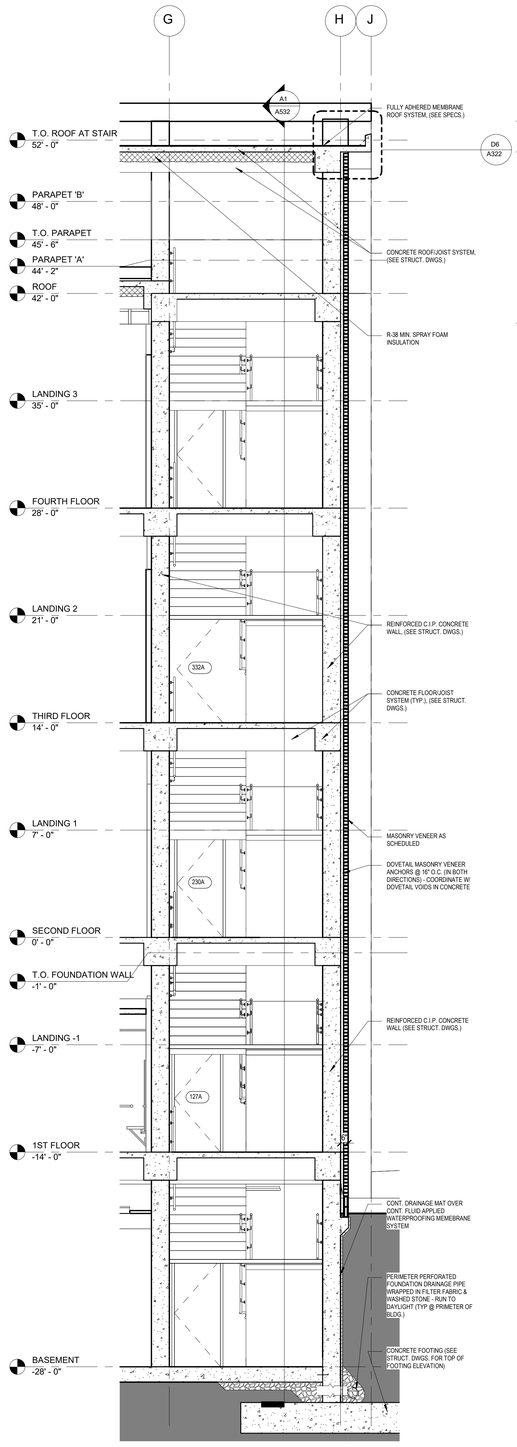
ODR PROJECT NUMBER
4340-0010

SHEET NUMBER
A531

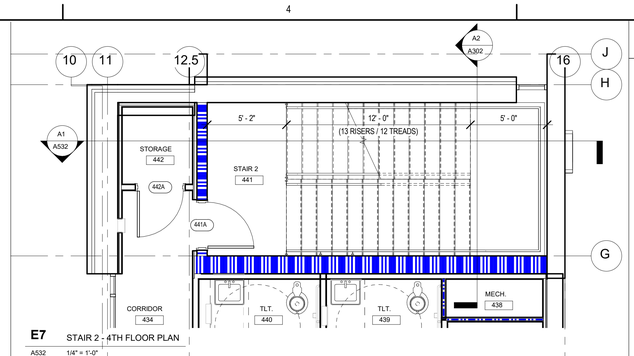
30% CONSTRUCTION DOCUMENTS
NOT FOR CONSTRUCTION



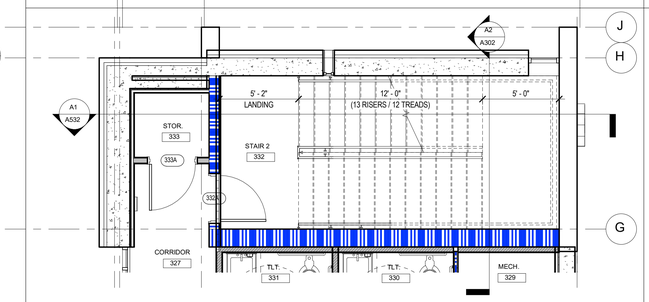

**A1** STAIR 2 - SECTION B
A532 1/4" = 1'-0"



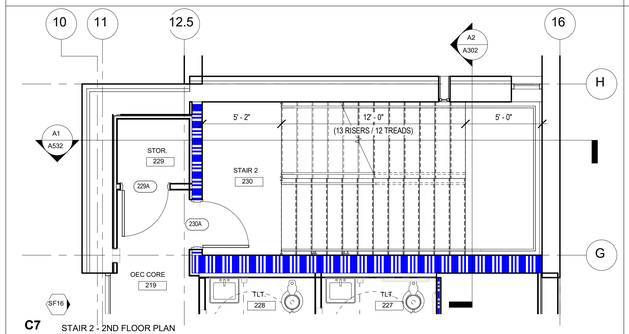

**A4** STAIR 2 - SECTION A
A532 1/4" = 1'-0"



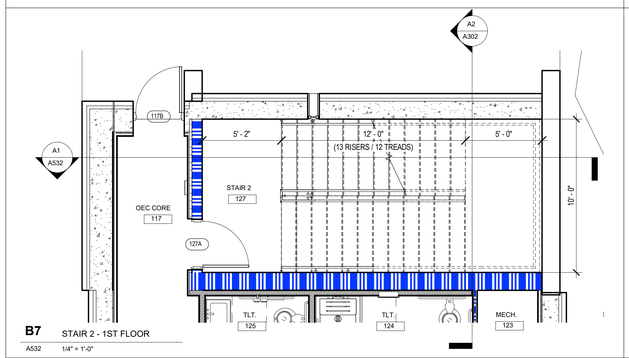

**E7** STAIR 2 - 4TH FLOOR PLAN
A532 1/4" = 1'-0"



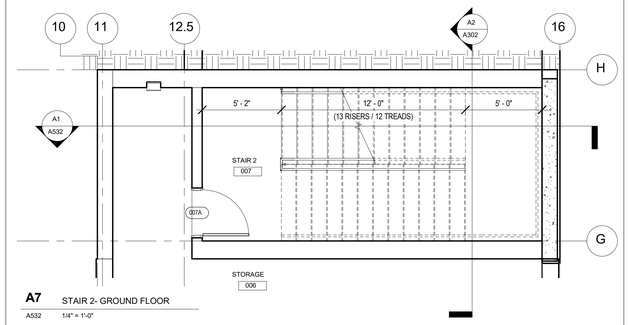

**D7** STAIR 2 - 3RD FLOOR
A532 1/4" = 1'-0"




**C7** STAIR 2 - 2ND FLOOR PLAN
A532 1/4" = 1'-0"




**B7** STAIR 2 - 1ST FLOOR
A532 1/4" = 1'-0"




**A7** STAIR 2- GROUND FLOOR
A532 1/4" = 1'-0"

## GENERAL NOTES

- SEE A600 SHEET SERIES FOR ADDITIONAL INFORMATION ON EXTERIOR STOREFRONT GLAZING, FRAME, AND DOOR SYSTEMS

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Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

STAIR 2 - ENLARGED PLANS & SECTIONS

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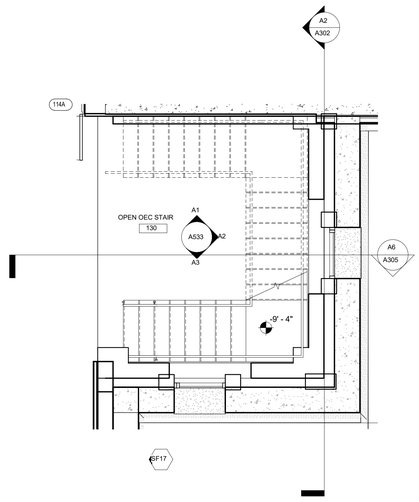
DRAWN BY: SRL
CHECKED BY: JLT
DATE: August 18, 2022
NOVUS JOB NUMBER 470-20-02
OOR PROJECT NUMBER 4340-0010

SHEET NUMBER
A532

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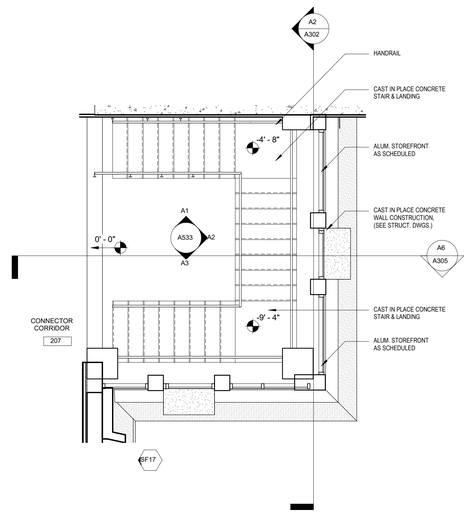
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**D1** STAIR 3 - 1ST FLOOR

A533 1/4" = 1'-0"

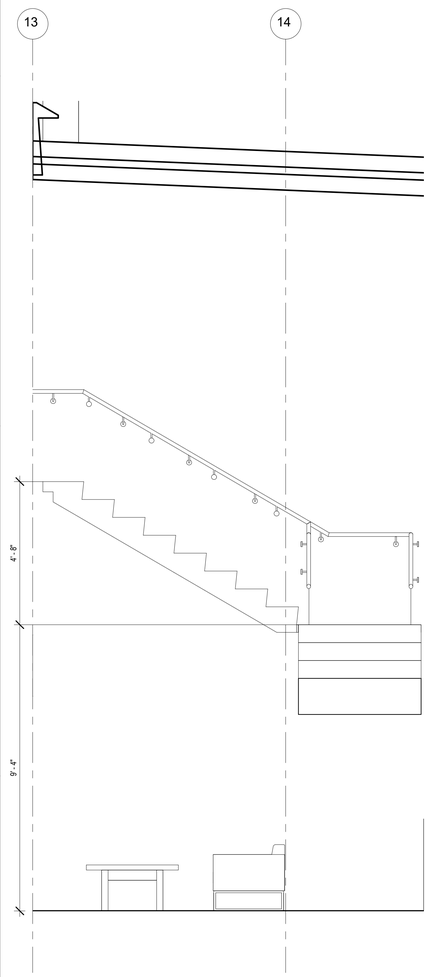



**D2** STAIR 3 - 2ND FLOOR

A533 1/4" = 1'-0"

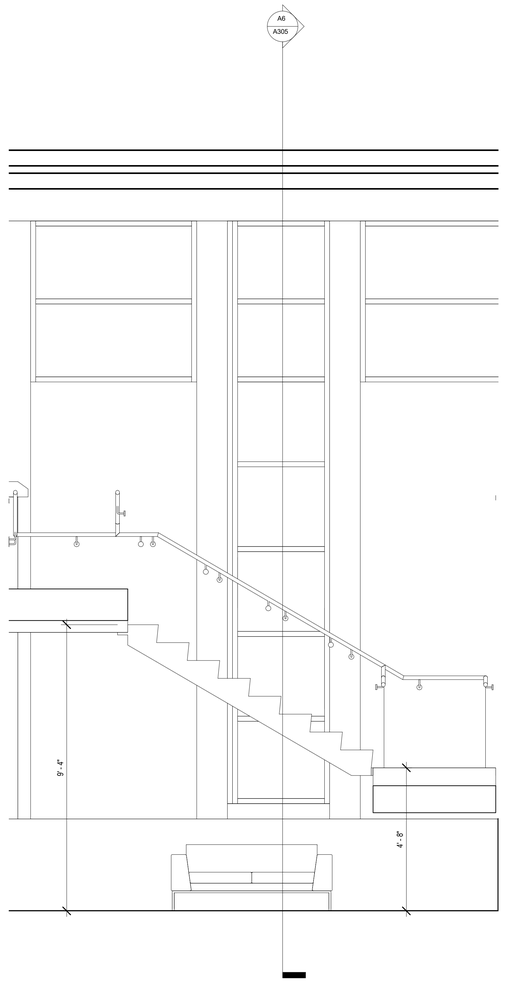
## GENERAL REFERENCE PLAN NOTES

- PROVIDE CONTINUOUS IN-WALL BLOCKING AS REQUIRED FOR ANY CABINETS OR WALL-MOUNTED EQUIPMENT AND ACCESSORIES AS INDICATED ON PLANS.
- REFER TO SPECIFICATIONS FOR GYPSUM BOARD CONTROL JOINTS; GC SHALL EQUALLY SPACE VERTICAL CONTROL JOINTS ON ALL WALLS THAT EXCEED 25 LINEAR FEET IN LENGTH TO DIVIDE THE WALL INTO EQUALLY SPACED SECTIONS THAT ARE LESS THAN 25 LINEAR FEET IN LENGTH. WHERE CONTROL JOINTS ARE LOCATED OPPOSING WALLS IN ANY GIVEN SPACE, THEY SHALL BE ALIGNED AND SPACED SUCH THAT NO SECTION IS GREATER THAN 25 LINEAR FEET IN LENGTH.
- SEE ENLARGED PLANS FOR FFE ITEMS.
- GENERAL CONTRACTOR TO ADD FACILITY LABELS OF RATED ASSEMBLIES, VALVE LOCATIONS, ETC. COORDINATE WITH OWNER DURING CONSTRUCTION.
- REFER TO ENLARGED PLANS FOR ADDITIONAL DIMENSIONS.
- FURNITURE & FURNITURE LAYOUT BY WB MASON CO FURNITURE VENDOR. REFER TO VENDOR DRAWINGS.
- REFER TO A6075 FOR INTERIOR STOREFRONT AND WINDOW ELEVATIONS.
- CONTRACTOR TO REVIEW SCOPE OF WORK WITH OTHER DISCIPLINES FOR COORDINATION - CONTACT ARCHITECT IF ANY CONDITIONS CONFLICT WITH SCOPE OF WORK OR ARE IN QUESTION.



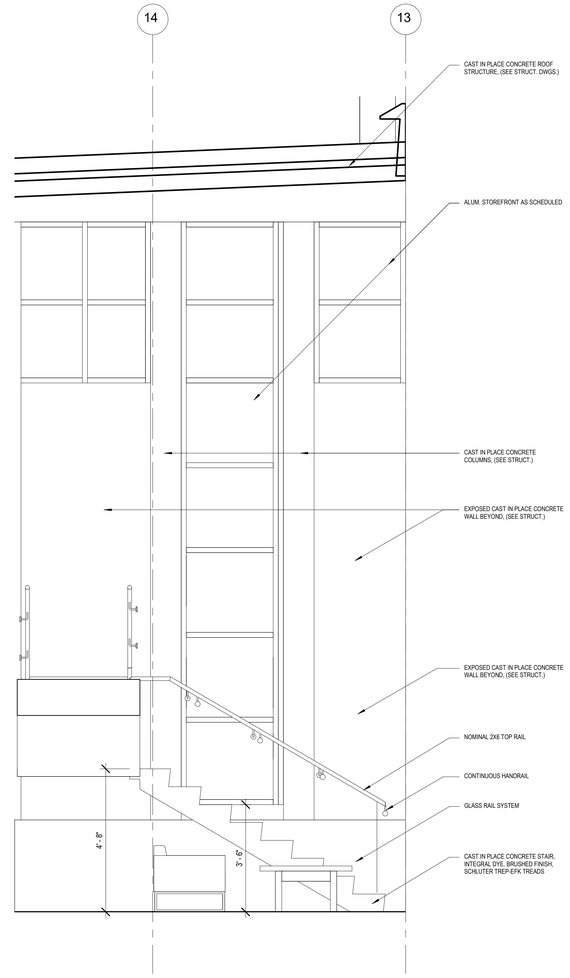

**A1** STAIR 3 NORTH ELEVATION

A533 1/2" = 1'-0"




**A2** STAIR 3 EAST ELEVATION

A533 1/2" = 1'-0"




**A3** STAIR 3 SOUTH ELEVATION

A533 1/2" = 1'-0"

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VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder; 102-B, 102-C Estate Hermon Hill

STAIR 3 - ENLARGED PLANS & SECTIONS

REVISIONS:

| No. | Description | Date |
|---|---|---|
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DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER
470-20-02

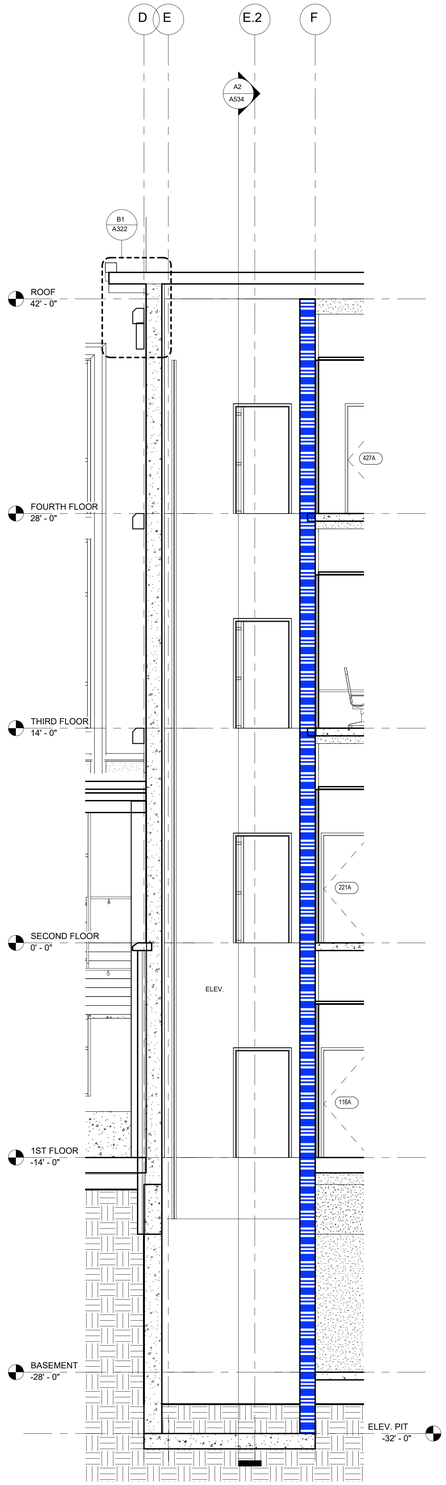
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SHEET NUMBER
A533

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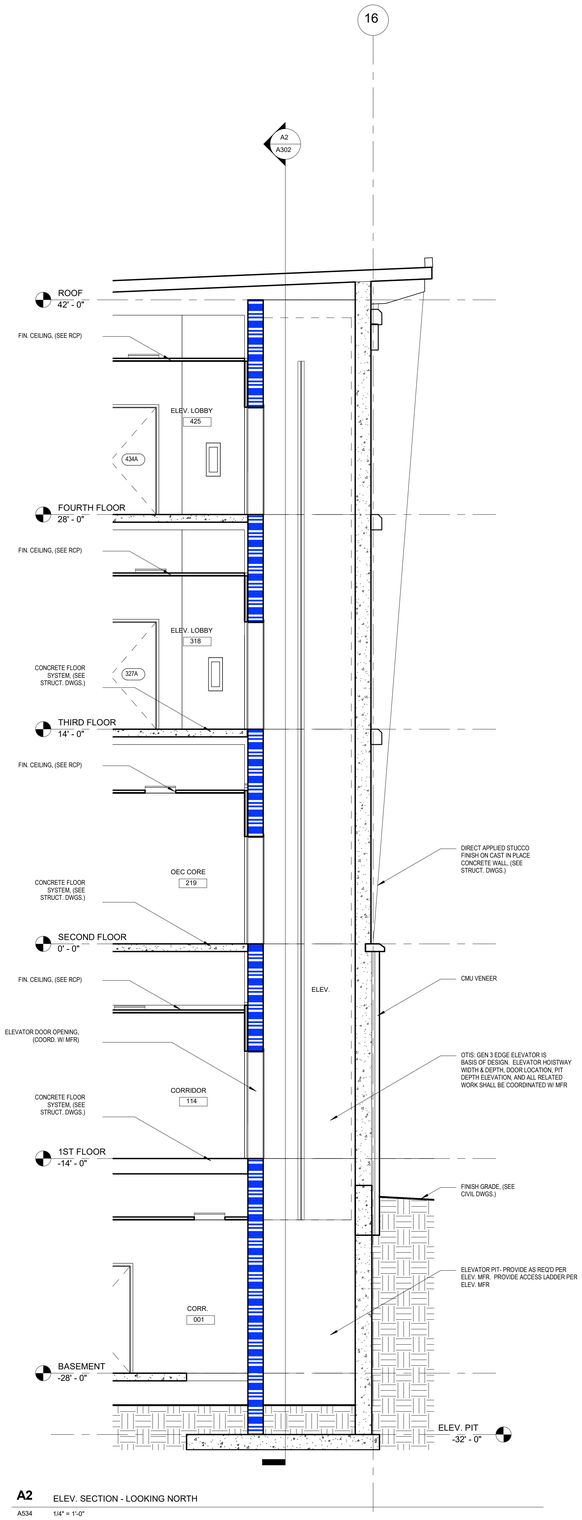
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**A1** ELEVATOR SECTION - DD 'A'

A534 1/4" = 1'-0"

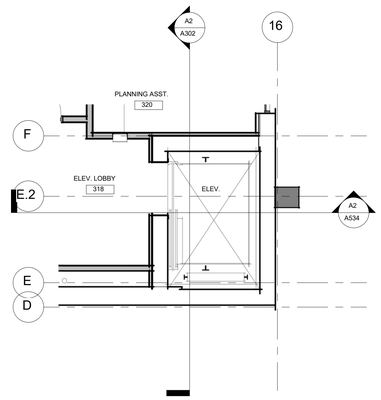



**A2** ELEV. SECTION - LOOKING NORTH

A534 1/4" = 1'-0"

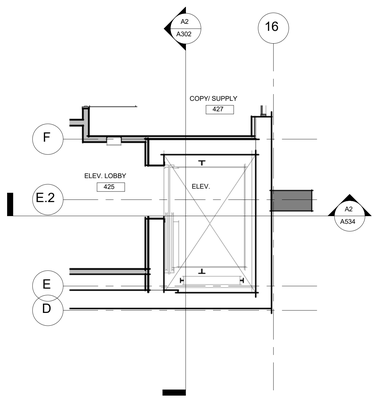
## GENERAL NOTES

- SEE **A600** SHEET SERIES FOR ADDITIONAL INFORMATION ON ICC-500 COMPLIANT EXTERIOR STOREFRONT GLAZING, FRAME, AND DOOR SYSTEMS
- REFER TO STRUCTURAL DRAWINGS FOR SPECIFIC FOUNDATION INFORMATION, TYPICAL.



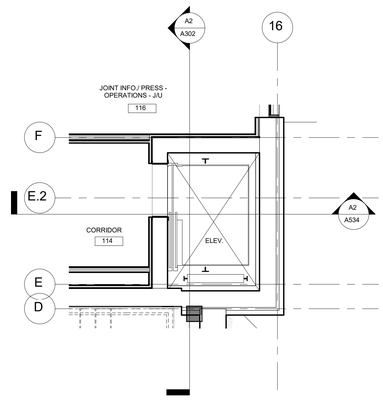

**D4** ELEV. PLAN - 3RD FLOOR

A534 1/4" = 1'-0"



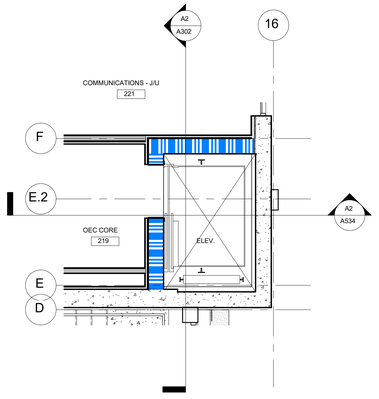

**D5** ELEV. PLAN - 4TH FLOOR

A534 1/4" = 1'-0"



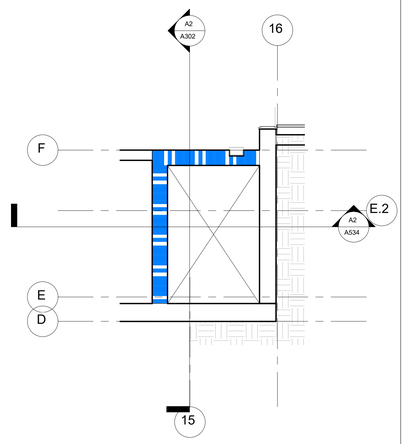

**B4** ELEV. PLAN - 1ST FLOOR

A534 1/4" = 1'-0"




**B5** ELEV. PLAN - 2ND FLOOR

A534 1/4" = 1'-0"




**A4** ELEV. PLAN - BASEMENT

A534 1/4" = 1'-0"

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VITEMA
Wind Retrofit & Safe Room
Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

ELEVATOR - ENLARGED PLANS & SECTIONS

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL
CHECKED BY: JLT
DATE: August 18, 2022
NOVUS JOB NUMBER 470-20-02
CDR PROJECT NUMBER 4340-0010

SHEET NUMBER
A534

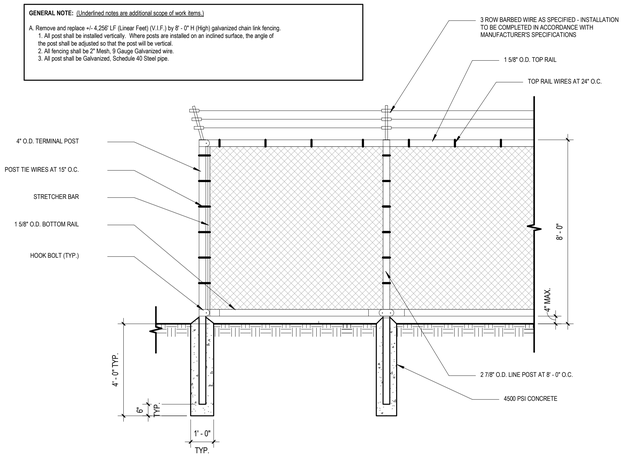
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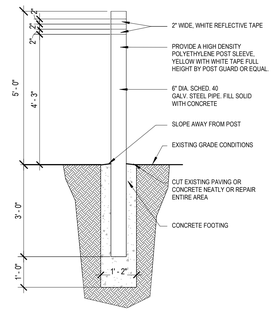
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**GENERAL NOTE:** (Underlined notes are additional scope of work items.)

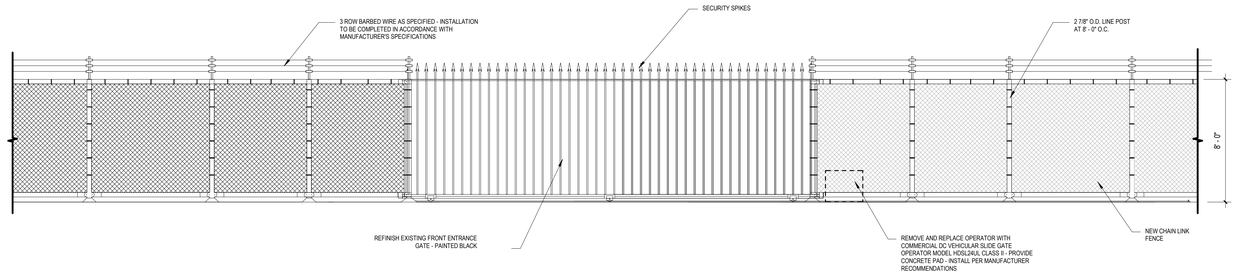
A. Remove and replace +/- 4,256' LF (Linear Feet) (V.I.F.) by 8' - 0" H (High) galvanized chain link fencing.
1. All post shall be installed vertically. Where posts are installed on an inclined surface, the angle of the post shall be adjusted so that the post will be vertical.
2. All fencing shall be 2" Mesh, 9 Gauge Galvanized wire.
3. All post shall be Galvanized, Schedule 40 Steel pipe.



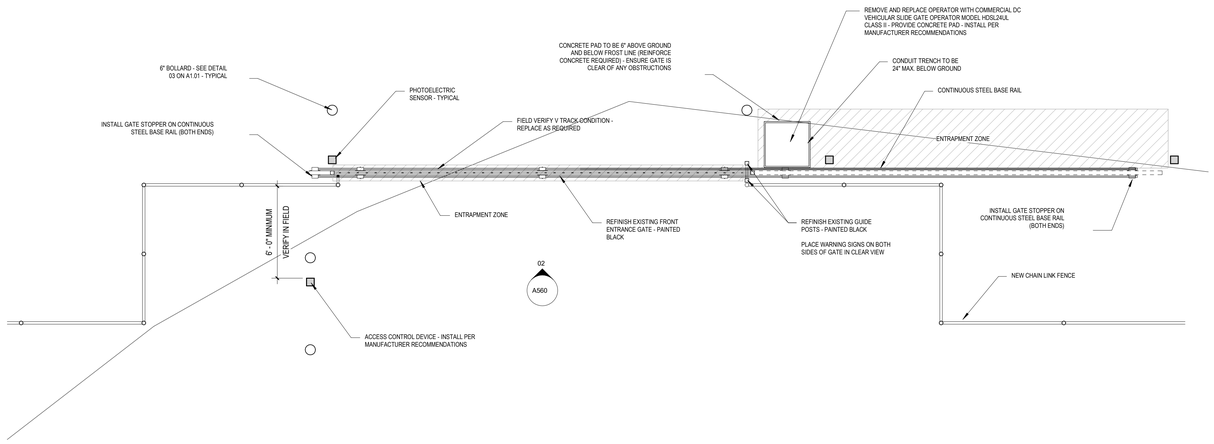

**04** PERIMETER FENCING
A560 3/8" = 1'-0"




**03** BOLLARD DETAIL
A560 1/2" = 1'-0"




**02** POWERED GATE SITE ENTRANCE ELEVATION
A560 1/4" = 1'-0"




**01** POWERED GATE SITE ENTRANCE
A560 1/4" = 1'-0"

## GENERAL REFERENCE PLAN NOTES

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- SEE ENLARGED PLANS FOR FFE ITEMS.
- GENERAL CONTRACTOR TO ADD FACILITY LABELS OF RATED ASSEMBLIES, VALVE LOCATIONS, ETC. COORDINATE WITH OWNER DURING CONSTRUCTION.
- REFER TO ENLARGED PLANS FOR ADDITIONAL DIMENSIONS.
- FURNITURE & FURNITURE LAYOUT BY WB MASON CO FURNITURE VENDOR. REFER TO VENDOR DRAWINGS.
- REFER TO A6025 FOR INTERIOR STOREFRONT AND WINDOW ELEVATIONS.
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VITEMA
Wind Retrofit & Safe Room
Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

FENCE DETAILS

REVISIONS:

| No. | Description | Date |
|---|---|---|
| | | |

DRAWN BY: SRL
CHECKED BY: JLT
DATE: August 18, 2022
NOVUS JOB NUMBER 470-20-02
ODR PROJECT NUMBER 4340-0010

SHEET NUMBER
A560

30% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

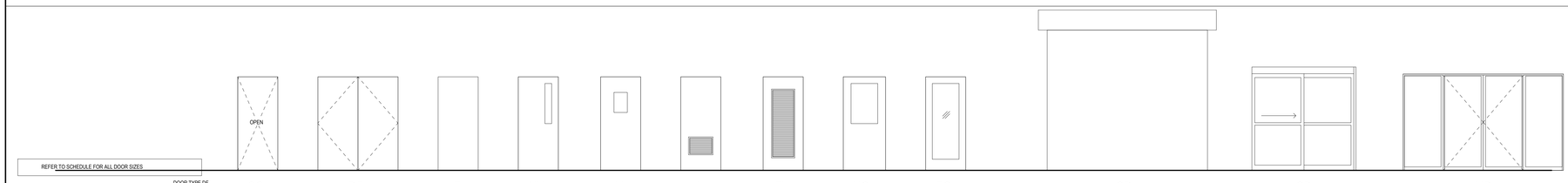
## DOOR AND HARDWARE SCHEDULE BY TI CONTRACTOR

| FIRE RATING | ROOM NAME | DOOR NUMBER | DOOR SIZE WIDTH | DOOR SIZE HEIGHT | DOOR THICKNESS | DOOR TYPE | DOOR MATERIAL | FRAME TYPE | FRAME MATERIAL | AAOS Shared HW Set | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | FIRE PUMP HWH/ DW PUMP | **004A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | | HOLLOW METAL | | |
| | | **004B** | 6' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | | HOLLOW METAL | | |
| 90 | STAIR 2 | **007A** | 3' - 0" | 7' - 0" | 1 3/4" | F | HOLLOW METAL | | HOLLOW METAL | | |
| 90 | STAIR 1 | **101A** | 3' - 0" | 7' - 0" | 1 3/4" | F | HOLLOW METAL | HM | HOLLOW METAL | | |
| | PRINT AND STORAGE | **103A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | TLT./SHWR | **105A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | PRINT AND STORAGE | **106A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | LOGISTICS | **107A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | SUPERVSR. | **108A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | EMERG. OPERATIONS CENTER | **109A** | 6' - 0" | 7' - 0" | 2" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | MEDIA / COMM. ROOM | **110A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | ELECT. | **111A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | TELECOM | **112A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | LOGISTICS | **113A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | CONNECTOR CORRIDOR | **114A** | 6' - 0" | 7' - 0" | 2" | HG | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | JOINT INFO./ PRESS - OPERATIONS - J/U | **116A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | CORRIDOR | **116B** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | OEC CORE | **117A** | 3' - 6" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | | **117B** | 3' - 0" | 7' - 0" | 1 3/4" | F | HOLLOW METAL | HM | HOLLOW METAL | | ACCESS CONTROL |
| | JOINT UTILIZATION | **118A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | OEC CORE | **118B** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | JOINT UTILIZATION | **118C** | 12' - 0" | 7' - 2 5/8" | | MP | | | | | COORDINATE STRUCTURAL ACCOMMODATIONS W/ MFR. AND STRUCT. DWGS. |
| | JOINT UTILIZATION | **119A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | JOINT UTILIZATION | **119B** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | JOINT UTILIZATION | **119C** | 12' - 0" | 7' - 2 5/8" | | MP | | | | | COORDINATE STRUCTURAL ACCOMMODATIONS W/ MFR. AND STRUCT. DWGS. |
| | FUNCT. DISABILITY | **120A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | ELECT. | **121A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | STORAGE | **122A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | OEC CORE | **124A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | TLT. | **125A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| 90 | STAIR 2 | **127A** | 3' - 0" | 7' - 0" | 1 3/4" | F | HOLLOW METAL | HM | HOLLOW METAL | | |
| - | | **128A** | 3' - 0" | 7' - 8" | 1 3/4" | - | ALUM. STOREFRONT | | STOREFRONT | | |
| - | SECURE ACCESS | **128B** | 3' - 1" | 6' - 9" | 1 3/4" | - | ALUM. STOREFRONT | SF | STOREFRONT | | ACCESS CONTROL |
| - | | **129A** | 2' - 7 11/32" | 7' - 8" | 1 3/4" | - | ALUM. STOREFRONT | | STOREFRONT | | ACCESS CONTROL |
| - | EXIT VEST. | **129B** | 3' - 0" | 6' - 9" | 1 3/4" | - | ALUM. STOREFRONT | SF | STOREFRONT | | |
| | | **131A** | 6' - 0" | 7' - 0" | 1 3/4" | | HOLLOW METAL | | HOLLOW METAL | | |
| | | **132A** | 8' - 0" | 8' - 8" | 2" | RU | BY MFR | | BY MFR | | |
| | | **132B** | 8' - 0" | 8' - 8" | 2" | RU | BY MFR | | BY MFR | | |
| | | **132C** | 3' - 0" | 7' - 0" | 1 3/4" | F | HOLLOW METAL | | HOLLOW METAL | | |
| | | **133A** | 6' - 0" | 7' - 0" | 1 3/4" | | HOLLOW METAL | | HOLLOW METAL | | |
| | | **134A** | 8' - 0" | 8' - 8" | 2" | RU | BY MFR | | BY MFR | | |
| 90 | STAIR 1 | **201A** | 3' - 0" | 7' - 0" | 1 3/4" | F | HOLLOW METAL | HM | HOLLOW METAL | | ACCESS CONTROL |
| | | **201B** | 3' - 0" | 7' - 0" | 1 3/4" | F | HOLLOW METAL | HM | HOLLOW METAL | | ACCESS CONTROL |
| | CIRC./WORK | **203A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| - | CIRC./WORK | **204A** | 2' - 10" | 6' - 9" | 1 3/4" | - | ALUM. STOREFRONT | | STOREFRONT | | ACCESS CONTROL |
| | TLT. | **205A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | TLT. | **206A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | BREAKROOM | **207A** | 3' - 0" | 7' - 0" | 1 3/4" | HG | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | CIRC./WORK | **208A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | SQUAD LEADER | **209A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | SUPERVISOR | **210A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | CALL CENTER | **212A** | 6' - 0" | 7' - 0" | 2" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | ACCESS CONTROL, NO CENTER MULL |
| - | SECURE ACCESS | **213A** | 2' - 11 1/4" | 8' - 11 1/4" | 1 3/4" | - | ALUM. STOREFRONT | SF | STOREFRONT | | ACCESS CONTROL |
| | SECURE ACCESS | **213B** | 3' - 0" | 7' - 0" | 1 3/4" | HG | SOLID CORE WOOD | HM | HOLLOW METAL | | ACCESS CONTROL |
| | SECURITY OFFICE | **214A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | ELECT. | **215A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | TELECOMM. | **217A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | FLEX | **218A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | CONNECTOR CORRIDOR | **219A** | 6' - 0" | 7' - 0" | 2" | HG | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | COMMUNICATIONS - J/U | **221A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | COMMUNICATIONS - J/U | **221B** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | JOINT UTILIZATION | **222A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | JOINT UTILIZATION | **222B** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | JOINT UTILIZATION | **222C** | 12' - 0" | 7' - 2 5/8" | | MP | | | | | COORDINATE STRUCTURAL ACCOMMODATIONS W/ MFR. AND STRUCT. DWGS. |
| | JOINT UTILIZATION | **223A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | JOINT UTILIZATION | **223B** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | JOINT UTILIZATION | **223C** | 12' - 0" | 7' - 2 5/8" | | MP | | | | | COORDINATE STRUCTURAL ACCOMMODATIONS W/ MFR. AND STRUCT. DWGS. |
| | OEC CORE | **224A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | JOINT UTILIZATION | **224B** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |

## DOOR AND HARDWARE SCHEDULE BY TI CONTRACTOR

| FIRE RATING | ROOM NAME | DOOR NUMBER | DOOR SIZE WIDTH | DOOR SIZE HEIGHT | DOOR THICKNESS | DOOR TYPE | DOOR MATERIAL | FRAME TYPE | FRAME MATERIAL | AAOS Shared HW Set | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | JOINT UTILIZATION | **224C** | 12' - 0" | 7' - 2 5/8" | | MP | | | | | COORDINATE STRUCTURAL ACCOMMODATIONS W/ MFR. AND STRUCT. DWGS. |
| | ELECT. | **225A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | TLT. | **227A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | | HOLLOW METAL | | |
| | TLT. | **228A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | | HOLLOW METAL | | |
| | STOR. | **229A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| 90 | STAIR 2 | **230A** | 3' - 0" | 7' - 0" | 1 3/4" | F | HOLLOW METAL | HM | HOLLOW METAL | | ACCESS CONTROL |
| 90 | STAIR 1 | **301A** | 3' - 0" | 7' - 0" | 1 3/4" | F | HOLLOW METAL | HM | HOLLOW METAL | | |
| | CORRIDOR | **303A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | CORRIDOR | **304A** | 6' - 0" | 7' - 0" | 2" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | M. BUNK ROOM | **305A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | LAUNDRY | **306A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | TOILET/ SHWR RM | **307A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | STORAGE | **308A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | W. BUNK ROOM | **309A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | LOCKER / FLEXROOM | **310A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | W. BUNK ROOM | **311A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | TOILET | **312A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | KITCHEN | **313A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | DINING ROOM | **313B** | 4' - 0" | 7' - 0" | | CO | -- | | HOLLOW METAL | | ROLL-DOWN DOOR. COORDINATE W/ INTERIOR ELEVATIONS |
| | ELEV. | **313E** | 3' - 6" | 7' - 0" | | CO | -- | | HOLLOW METAL | | |
| | ELEV. | **313G** | 3' - 6" | 7' - 0" | | CO | -- | | HOLLOW METAL | | |
| | ELEV. LOBBY | **313I** | 3' - 6" | 7' - 0" | | CO | -- | | HOLLOW METAL | | |
| | ELEV. | **313J** | 3' - 6" | 7' - 0" | | CO | -- | | HOLLOW METAL | | |
| | DINING ROOM | **314A** | 6' - 0" | 7' - 0" | 2" | HG | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | DINING ROOM | **315A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | IT | **316A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | ELECT. | **317A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | ELEV. LOBBY | **318A** | 6' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | | HOLLOW METAL | | |
| | PLANNING ASST. | **320A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | STORAGE | **321A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | PLANNER | **322A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | FUSION CENTER | **323A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | CORRIDOR | **323B** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | FLEX | **324A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | BREAK ROOM | **325A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | P.INFO/OUTREACH/TSUNAMI | **326A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | CORRIDOR | **327A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | CORRIDOR | **328A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | TLT. | **330A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | | HOLLOW METAL | | |
| | TLT. | **331A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | | HOLLOW METAL | | |
| 90 | STAIR 2 | **332A** | 3' - 0" | 7' - 0" | 1 3/4" | F | HOLLOW METAL | HM | HOLLOW METAL | | |
| | STOR. | **333A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| 90 | STAIR 1 | **401A** | 3' - 0" | 7' - 0" | 1 3/4" | F | HOLLOW METAL | HM | HOLLOW METAL | | |
| | CORRIDOR | **403A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | CORRIDOR | **404A** | 6' - 0" | 7' - 0" | 2" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | TLT. | **405A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | TLT. | **406A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | CORRIDOR | **407A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | BREAK ROOM | **408A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | FLEX OFFICE | **409A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | DD LOGISTICS | **410A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | DD HUMAN RESOURCES | **411A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | DD OPERATIONS | **412A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | DD PLAN & PREP | **413A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | HAZARD MITIGATION | **414A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | FINANCE | **415A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | FEMA CARIBBEAN OFFICE | **416A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | GRANTS | **417A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | FEMA CARIBBEAN OFFICE | **418A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | PUBLIC ASSISTANCE | **419A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | CORRIDOR | **420A** | 6' - 0" | 7' - 0" | | CO | -- | HM | HOLLOW METAL | | HOLLOW METAL FRAME W/ NO DOOR OR STOPS |
| | CORRIDOR | **421A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | FLEX SUPPORT | **422A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | IT | **423A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | ELECT. | **424A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | ELEV. LOBBY | **425A** | 6' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | COPY/ SUPPLY | **427A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | FLEX SPACE | **428A** | 6' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | FLEX SPACE | **428B** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | CORRIDOR | **429A** | 4' - 0" | 7' - 0" | | CO | -- | HM | HOLLOW METAL | | HOLLOW METAL FRAME W/ NO DOOR OR STOPS |
| | ASST. DIRECTOR | **430A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | CORRIDOR | **431A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | TOILET | **432A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | STORAGE | **433A** | 6' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | CORRIDOR | **434A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | CONFERENCE ROOM | **435A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | COMMUNICATIONS | **436A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | ACCESS CONTROL |
| | CORRIDOR | **437A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | TLT. | **439A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | | HOLLOW METAL | | |
| | TLT. | **440A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | | HOLLOW METAL | | |
| 90 | STAIR 2 | **441A** | 3' - 0" | 7' - 0" | 1 3/4" | F | HOLLOW METAL | HM | HOLLOW METAL | | |
| | STORAGE | **442A** | 3' - 0" | 7' - 0" | 1 3/4" | F | SOLID CORE WOOD | HM | HOLLOW METAL | | |
| | MECHANICAL | **500A** | 3' - 0" | 7' - 0" | 1 3/4" | F | HOLLOW METAL | HM | HOLLOW METAL | | |
| | | **500B** | 3' - 0" | 7' - 0" | 1 3/4" | F | HOLLOW METAL | HM | HOLLOW METAL | | |
| | | **501A** | 3' - 0" | 7' - 0" | 1 3/4" | F | HOLLOW METAL | HM | HOLLOW METAL | | |
| | MECHANICAL | **501B** | 3' - 0" | 7' - 0" | 1 3/4" | F | HOLLOW METAL | HM | HOLLOW METAL | | |

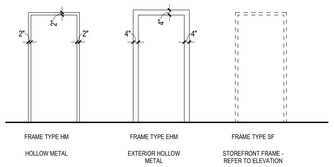
## DOOR TYPES




**1** WORKING - DOOR TYPES

A601 1/4" = 1'-0"

## FRAME TYPES



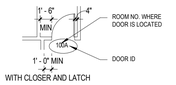

**2** WORKING - FRAME TYPES

A601 1/4" = 1'-0"

## GENERAL DOOR AND WINDOW NOTES

- ALL EXTERIOR HOLLOW METAL FRAMES ARE WELDED. KNOCK DOWN FRAMES ACCEPTABLE FOR INTERIOR SPACES ONLY.
- PRIOR TO FABRICATION, FIELD VERIFY ALL DIMENSIONS.
- ALL GLASS TO BE 1/4" TEMPERED GLASS PER DIVISION 088000.
- REFER TO PROJECT MANUAL FOR HARDWARE SETS.
- COORDINATE ALL HARDWARE AT STOREFRONT DOORS.
- SMOKE RATED DOORS SHALL NOT BE UNDERCUT IN EXCESS OF THE CLEARANCE PERMITTED IN ACCORDANCE WITH NFPA 80.
- ALL INTERIOR STOREFRONT AND GATEWAY SIGNAGE TO BE CLEAR ANODIZED ALUMINUM.
- ALL EXTERIOR STOREFRONT TO MATCH EXISTING.
- REFER TO A602 FOR HEAD, JAMB, AND SILL DETAILS.

## DOOR LEGEND




WITH CLOSER AND LATCH

**PROVIDE MINIMUM CLEARANCE SHOWN TO MEET CURRENT ACCESSIBILITY CODE**

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SUBMISSIONS:

| Ref | Description | Date |
|---|---|---|
| A | Schematic | 03.04.2022 |
| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

DOOR & WINDOW SCHEDULES

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER 470-20-02

ODR PROJECT NUMBER 4340-0010

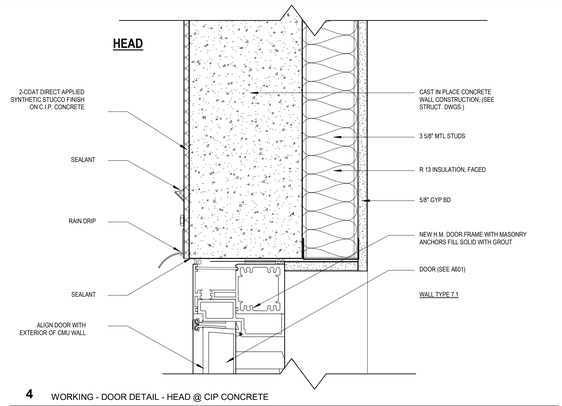
SHEET NUMBER A601

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30% CONSTRUCTION DOCUMENTS

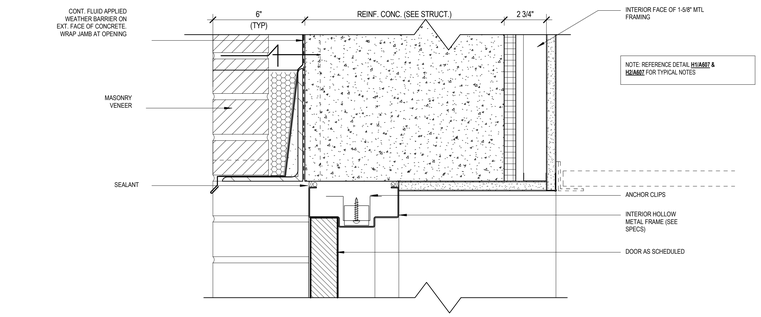
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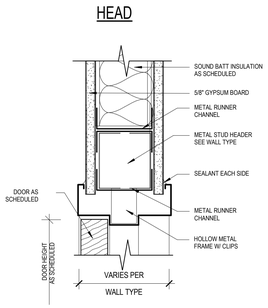

**4** WORKING - DOOR DETAIL - HEAD @ CIP CONCRETE

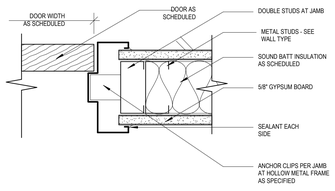
A602 3" = 1'-0"

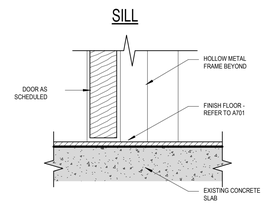



**1** WORKING - SF DETAIL HEAD AT BRICK VENEER

A602 3" = 1'-0"

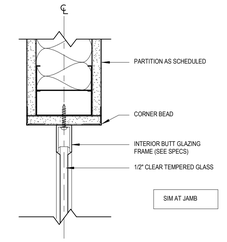


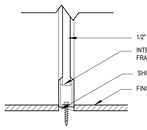

**11** HOLLOW METAL DOOR @ INTERIOR PARTITION

A602 3" = 1'-0"



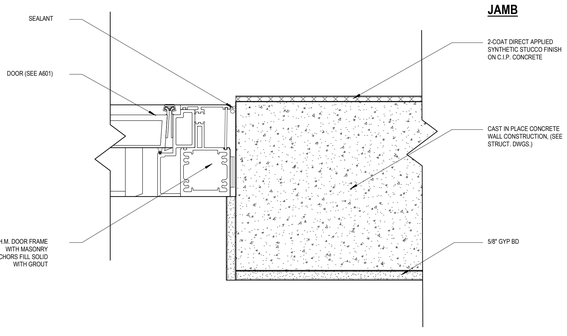

**B4** WORKING - HEAD AT BUTT GLAZING SF

A602 3" = 1'-0"



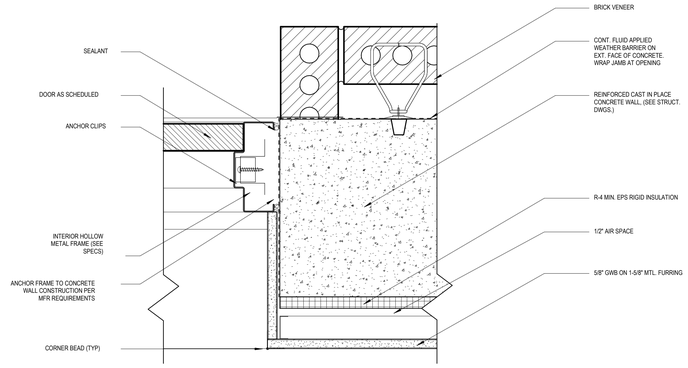

**A4** WORKING - SILL AT BUTT GLAZING SF

A602 3" = 1'-0"



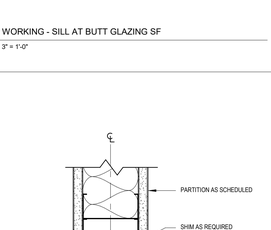

**5** WORKING - DOOR DETAIL - JAMB @ CIP CONCRETE

A602 3" = 1'-0"



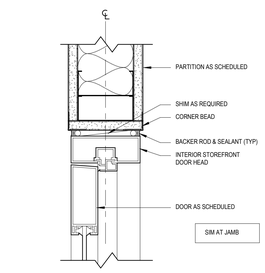

**2** WORKING - SF DETAIL JAMB AT BRICK VENEER

A602 3" = 1'-0"



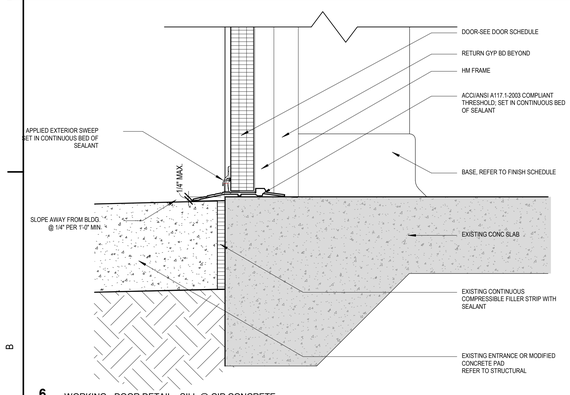

**B5** WORKING - HEAD AT INTERIOR SF

A602 3" = 1'-0"



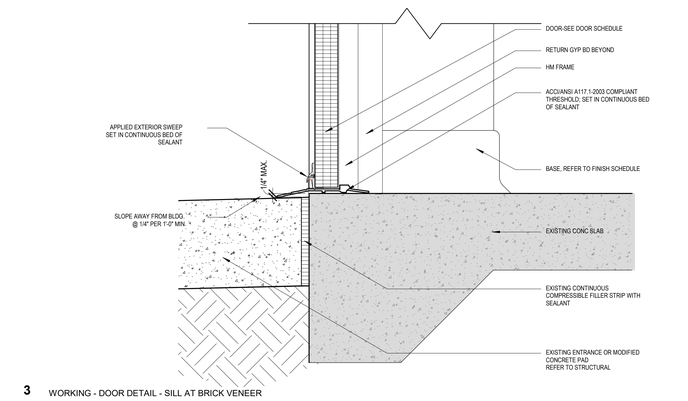

**D5** WORKING - HEAD AT INTERIOR SF DOOR

A602 3" = 1'-0"



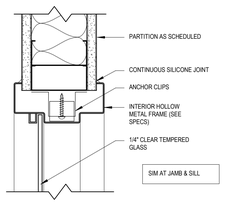

**6** WORKING - DOOR DETAIL - SILL @ CIP CONCRETE

A602 3" = 1'-0"



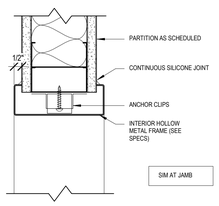

**3** WORKING - DOOR DETAIL - SILL AT BRICK VENEER

A602 3" = 1'-0"



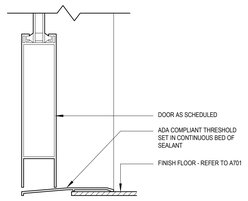

**9** WORKING - HEAD AT HM WINDOW

A602 3" = 1'-0"



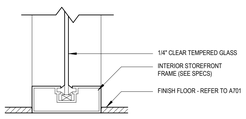

**A7** WORKING - HEAD AT HM CASED OPENING

A602 3" = 1'-0"



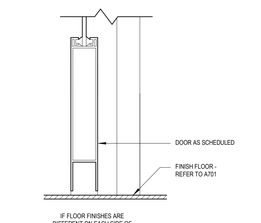

**C9** WORKING - SILL AT EXTERIOR SF DOOR

A602 3" = 1'-0"




**A5** WORKING - SILL AT INTERIOR SF

A602 3" = 1'-0"




**C5** WORKING - SILL AT INTERIOR SF DOOR

A602 3" = 1'-0"

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SUBMISSIONS:

| Ref | Description | Date |
|---|---|---|
| A | Schematic | 03.04.2022 |
| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA
Wind Retrofit & Safe Room
Plot No. 102-A Remainder; 102-B, 102-C Estate Hermon Hill

DOOR DETAILS

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL
CHECKED BY: JLT
DATE: August 18, 2022

NOVUS JOB NUMBER
470-20-02

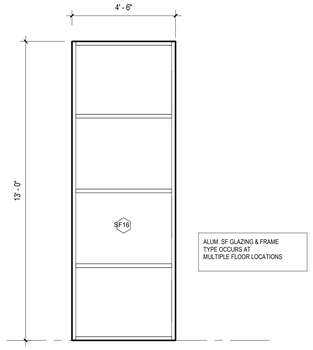
ODR PROJECT NUMBER
4340-0010

SHEET NUMBER
A602

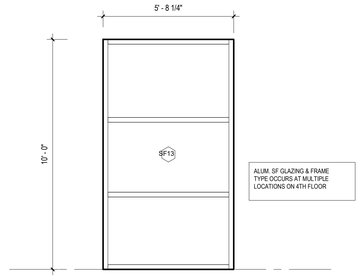
NOT FOR CONSTRUCTION

30% CONSTRUCTION DOCUMENTS

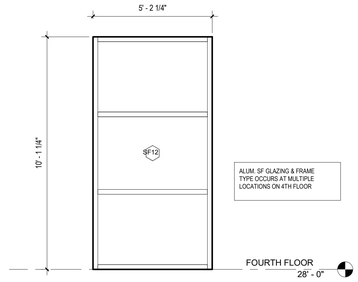
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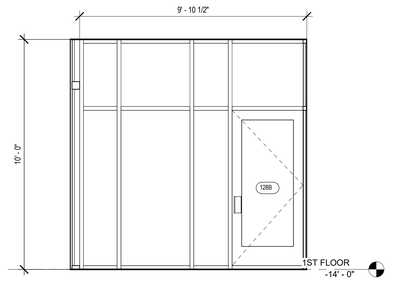

**SF16** SF ELEV. - SF16
A604 3/8" = 1'-0"



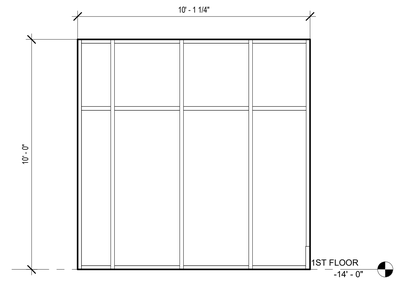

**SF13** SF ELEV. - SF13
A604 3/8" = 1'-0"



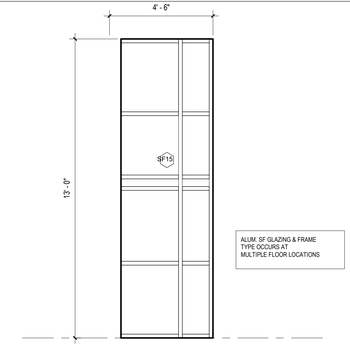

**SF12** SF ELEV. - SF12
A604 3/8" = 1'-0"



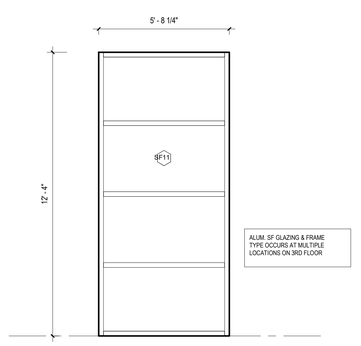

**ISF1** INT. SF ELEV. - ISF1
A604 3/8" = 1'-0"



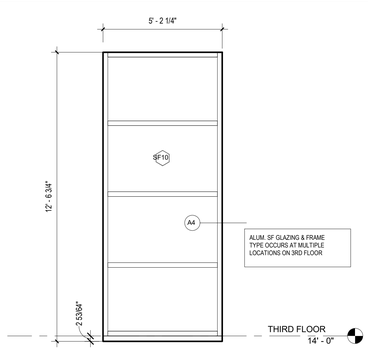

**ISF2** INT. SF ELEV. - ISF2
A604 3/8" = 1'-0"



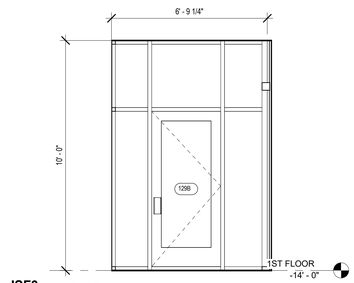

**SF15** SF ELEV. - SF15
A604 3/8" = 1'-0"



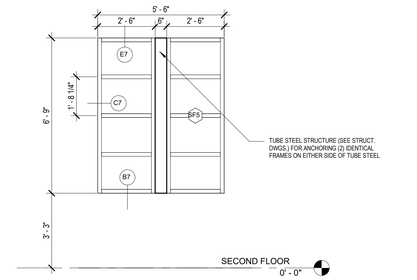

**SF11** SF ELEV. - SF11
A604 3/8" = 1'-0"



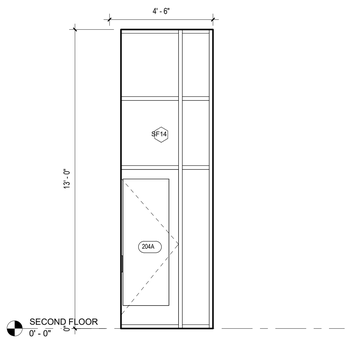

**SF10** SF ELEV. - SF10
A604 3/8" = 1'-0"



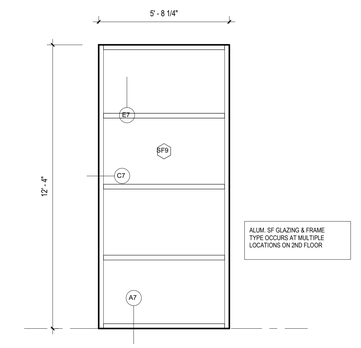

**ISF3** INT. SF ELEV. - ISF3
A604 3/8" = 1'-0"



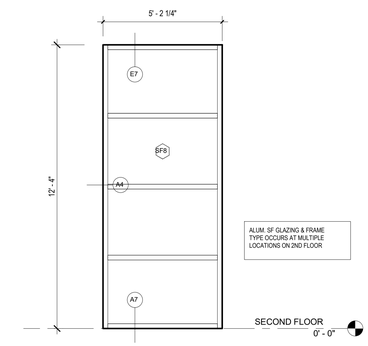

**SF5** SF ELEV. - SF5
A604 3/8" = 1'-0"



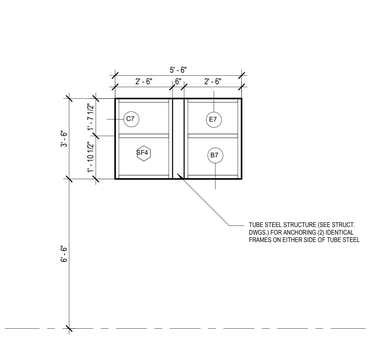

**SF14** SF ELEV. - SF14
A604 3/8" = 1'-0"



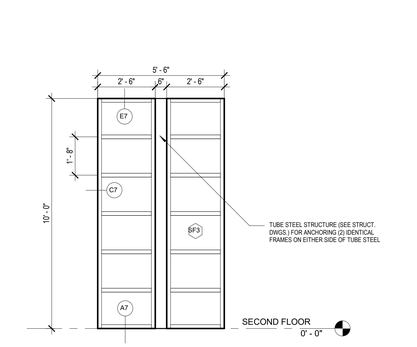

**SF9** SF ELEV. - SF9
A604 3/8" = 1'-0"



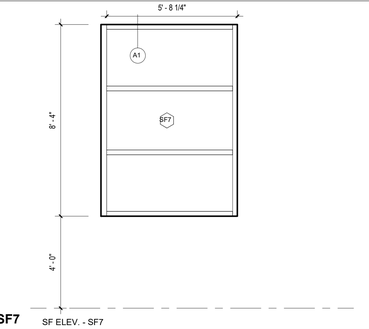

**SF8** SF ELEV. - SF8
A604 3/8" = 1'-0"



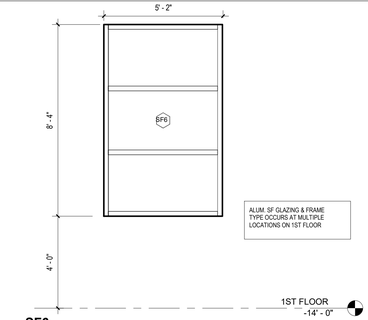

**SF4** SF ELEV. - SF4
A604 3/8" = 1'-0"



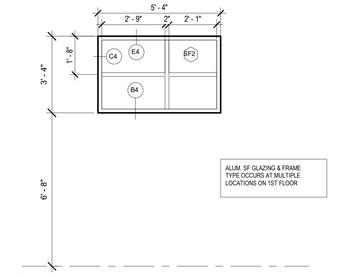

**SF3** SF ELEV. - SF3
A604 3/8" = 1'-0"



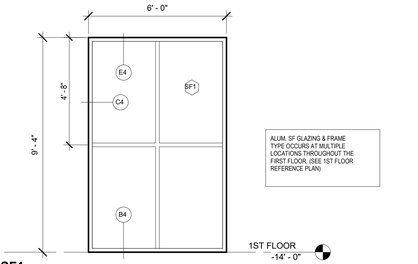

**SF7** SF ELEV. - SF7
A604 3/8" = 1'-0"




**SF6** SF ELEV. - SF6
A604 3/8" = 1'-0"




**SF2** SF ELEV. - SF2
A604 3/8" = 1'-0"




**SF1** SF ELEV. - SF1
A604 3/8" = 1'-0"

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VITEMA
Wind Retrofit & Safe Room
Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

GLAZING & FRAME SYSTEM ELEVATIONS

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL
CHECKED BY: JLT
DATE: August 18, 2022

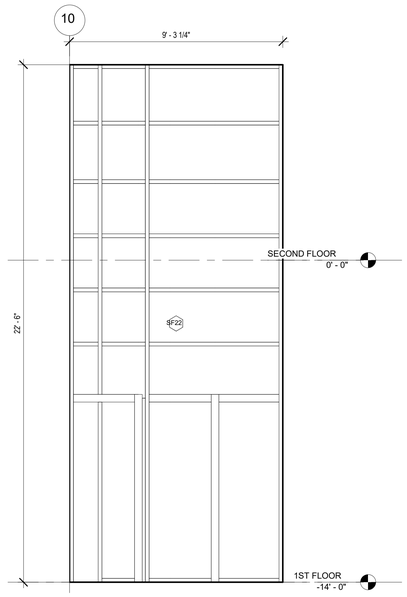
NOVUS JOB NUMBER
470-20-02

GDR PROJECT NUMBER
4340-0010

SHEET NUMBER
A604

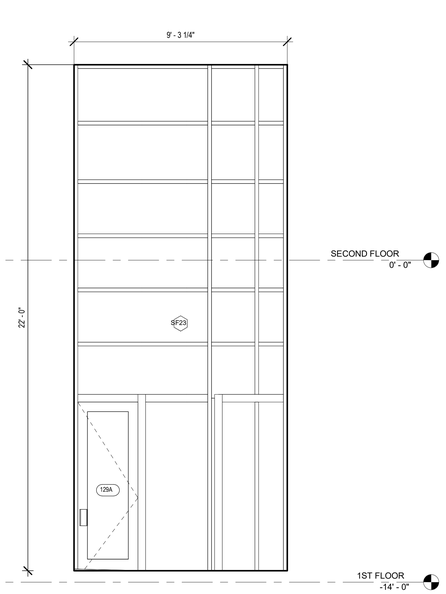
30% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION



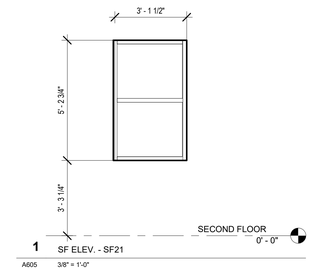

**SF22** SF ELEV. - SF22

A605 3/8" = 1'-0"



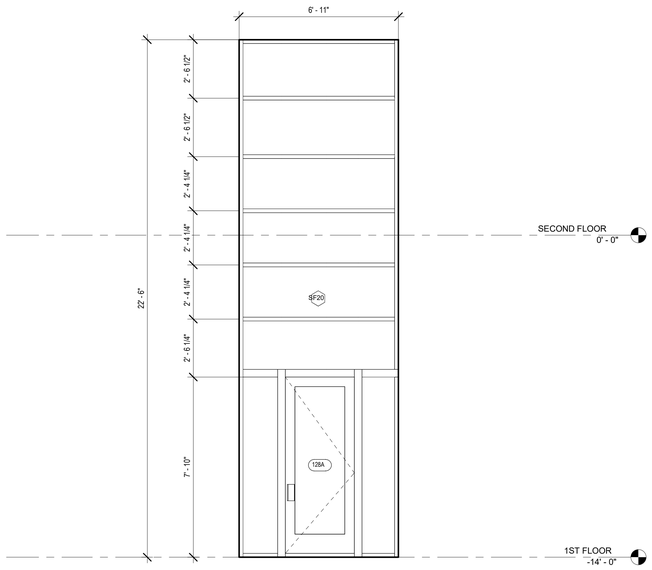

**SF23** SF ELEV. - SF23

A605 3/8" = 1'-0"



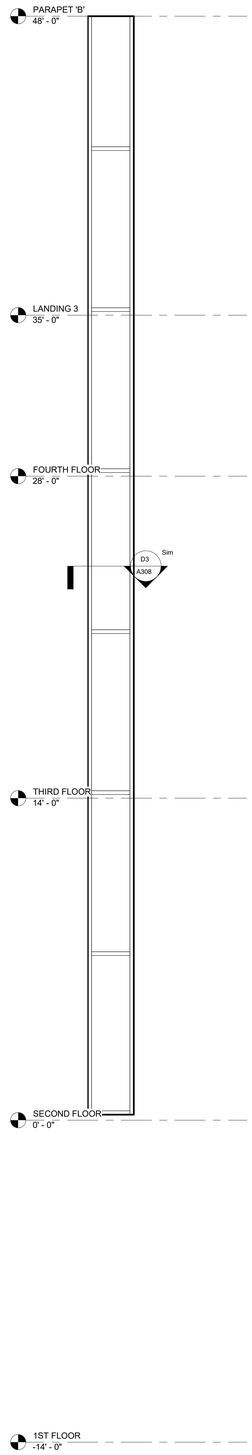

**1** SF ELEV. - SF21

A605 3/8" = 1'-0"



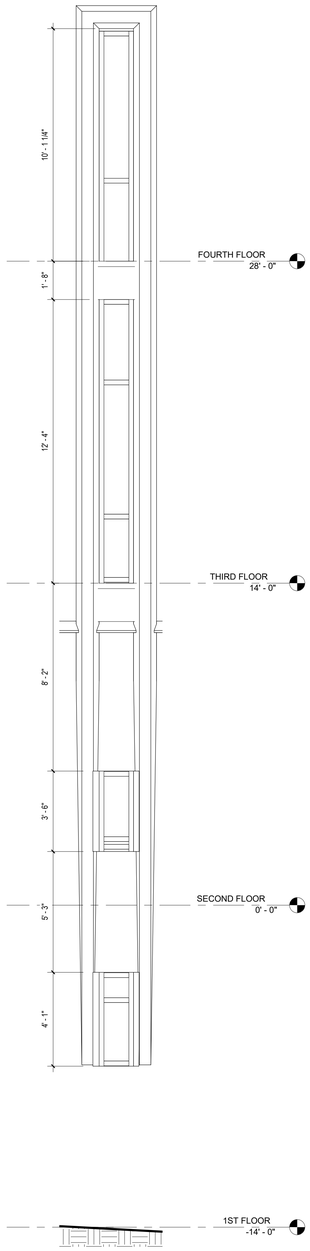

**SF20** SF ELEV. - SF20

A605 3/8" = 1'-0"



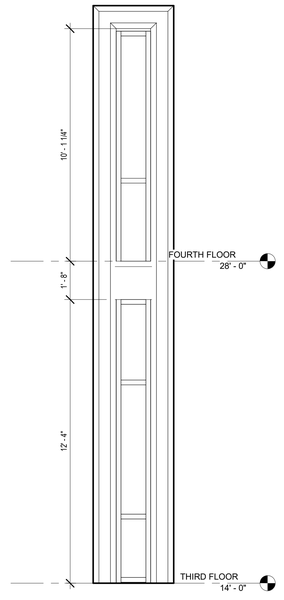

**SF19** SF ELEV. - STAIR SF19

A605 3/8" = 1'-0"




**SF17** SF ELEV. - CONNECTOR SF17

A605 3/8" = 1'-0"




**SF18** SF ELEV. - CONNECTOR SF18

A605 3/8" = 1'-0"

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| Ref | Description | Date |
|---|---|---|
| A | Schematic | 03.04.2022 |
| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

GLAZING & FRAME SYSTEM ELEVATIONS

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

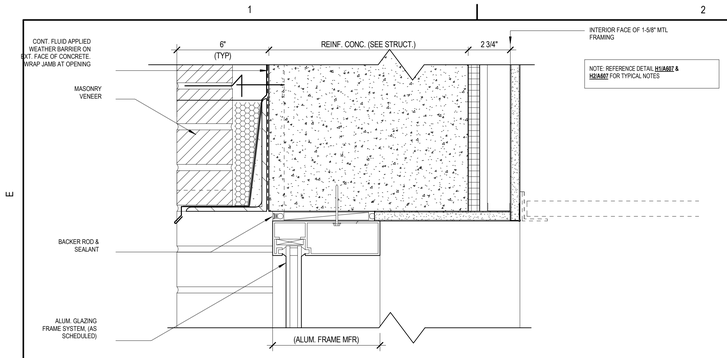
NOVUS JOB NUMBER
470-20-02

ODR PROJECT NUMBER
4340-0010

SHEET NUMBER
A605

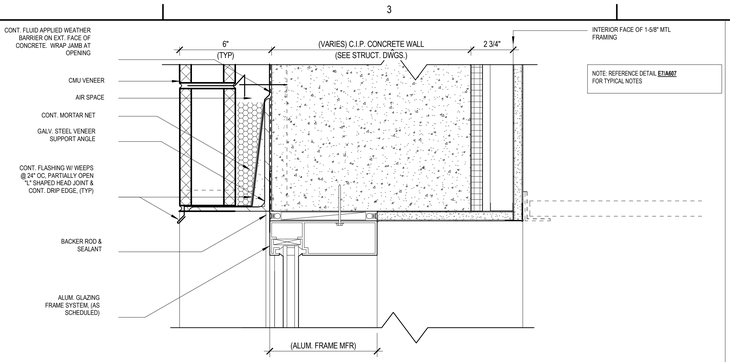
30% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION



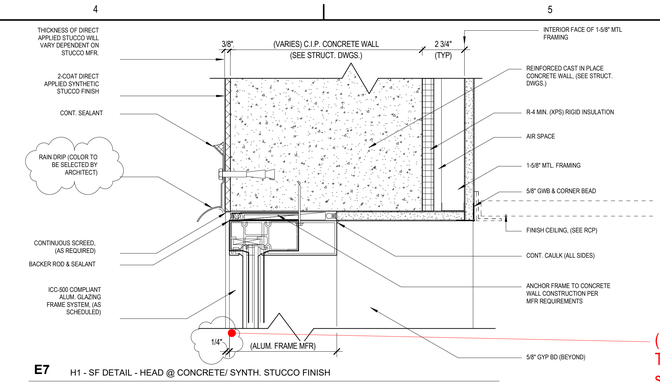

**E1** H3 - SF DETAIL - HEAD @ BRICK VENEER

A607 3" = 1'-0"




**E4** H2 - SF DETAIL - HEAD @ CMU/ POLISHED FACE FINISH

A607 3" = 1'-0"




**E7** H1 - SF DETAIL - HEAD @ CONCRETE/ SYNTH. STUCCO FINISH

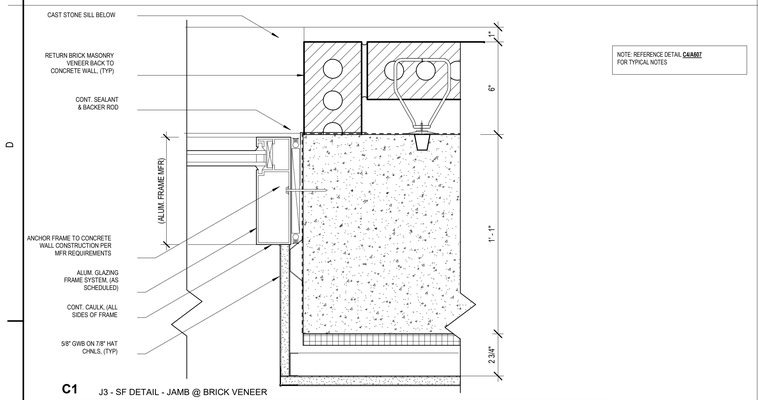
A607 3" = 1'-0"

(1/4-1/2"?)WHAT WAS THE (TYP) DIMENSION FROM THE stucco to fo frame)? (FYI- WINCO=4-6"deep, INSULGARD=6")

TYP FLASHING CONDITION WILL HAVE TO BE PER MFR TO RETAIN WARRANTY(HEAD, SILL, JAMB)?

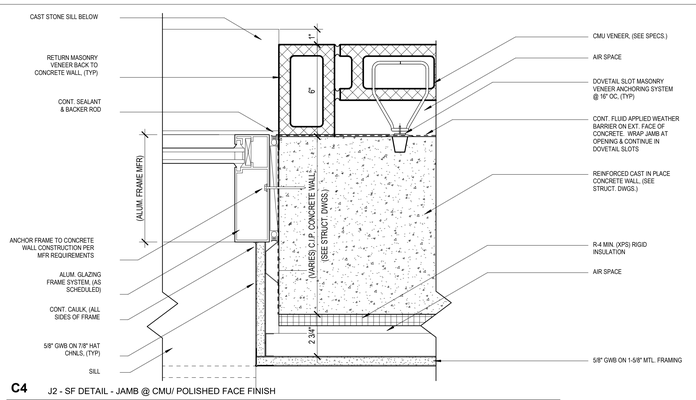
B4 SILL OCCURS AT 1ST FLR SF

A4 SILL OCCURS AT 2ND FLR SF



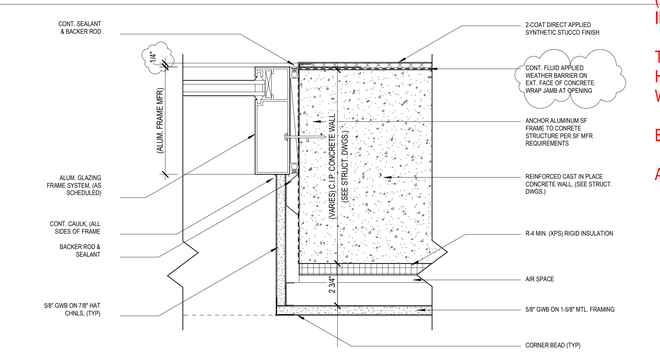

**C1** J3 - SF DETAIL - JAMB @ BRICK VENEER

A607 3" = 1'-0"



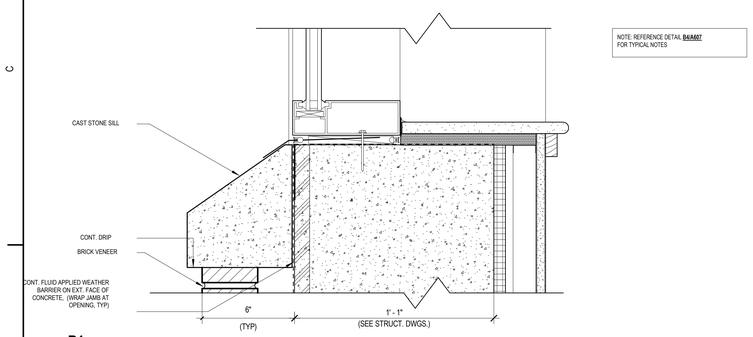

**C4** J2 - SF DETAIL - JAMB @ CMU/ POLISHED FACE FINISH

A607 3" = 1'-0"



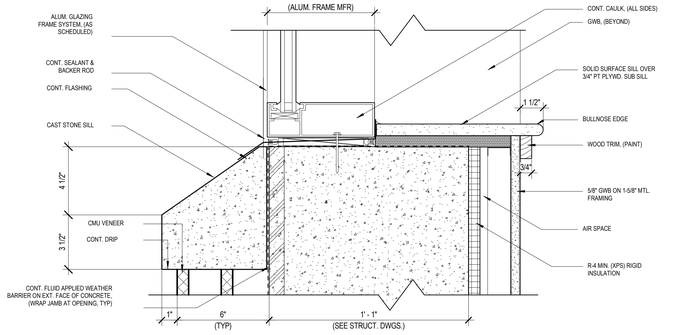

**C7** J1 - SF DETAIL - JAMB @ CONCRETE/ SYNTH. STUCCO FINISH

A607 3" = 1'-0"



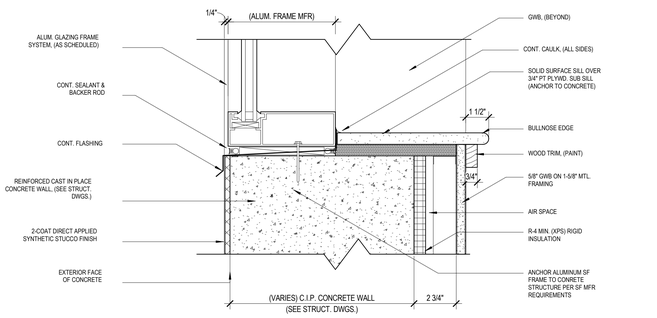

**B1** S3 - SF DETAIL - SILL @ BRICK VENEER

A607 3" = 1'-0"




**B4** S2 - SF DETAIL - SILL @ CMU/ POLISHED FACE FINISH

A607 3" = 1'-0"



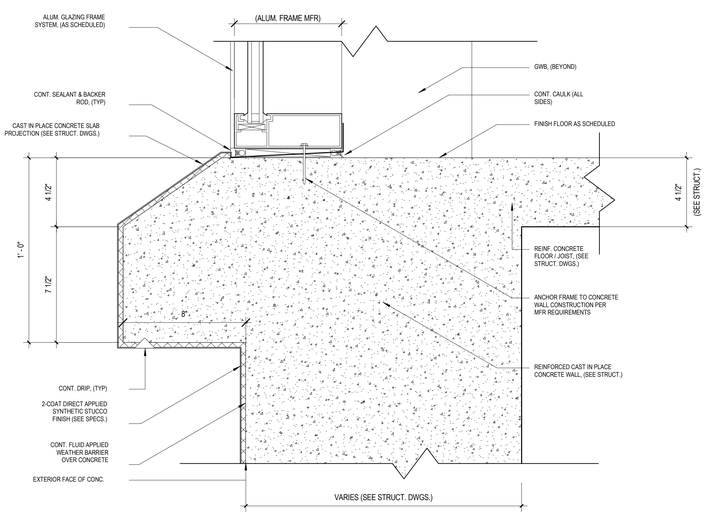

**B7** S1 - SF DETAIL - SILL @ SYNTH. STUCCO FINISH

A607 3" = 1'-0"




**A4** A8 - SF DETAIL - SILL @ CMU/ POLISHED FACE FINISH

A607 3" = 1'-0"




**A7** A5 - SF DETAIL - SILL @ CONCRETE/ SYNTH. STUCCO FINISH

A607 3" = 1'-0"

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| A | Schematic | 03.04.2022 |
| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

ALUM. GLAZING & FRAME SYSTEM DETAILS

REVISIONS:

| No. | Description | Date |
|---|---|---|
| 1 | Schematic Design | Date 1 |

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER 470-20-02

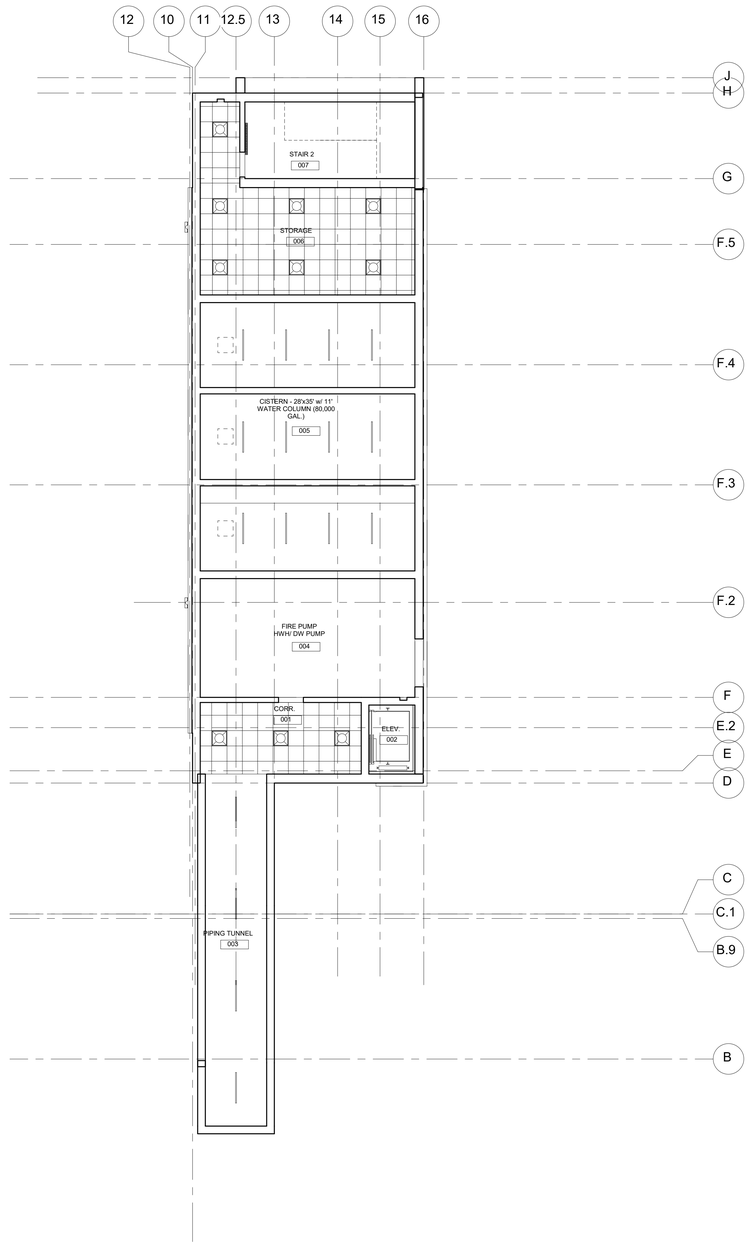
OOR PROJECT NUMBER 4340-0010

SHEET NUMBER A607

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**A2** BASEMENT FLOOR - REFLECTED CEILING PLAN

A700 1/8" = 1'-0"

## REFLECTED CEILING PLAN NOTES

- NOTES

## KEYNOTES - RCP

| # | DESCRIPTION |
|---|---|
| 1 | SPECIALTY ACOUSTIC CEILING SYSTEM |
| 2 | SPECIALTY LIGHT FIXTURES |
| 3 | ALIGN ALL FIXTURES (ALL FLOORS) AT CONNECTOR |
| 4 | DESCRIPTION |
| 5 | DESCRIPTION |
| 6 | DESCRIPTION |

## CEILING LEGEND

- 9'-0" — CEILING HEIGHT 9'-0" UNLESS OTHERWISE NOTED
- 2' X 4' ACOUSTICAL CEILING TILE
- 2' X 2' ACOUSTICAL CEILING TILE
- 4" INSULATED METAL PANEL CEILING
- NEW GYP BOARD CEILING/SOFFIT
- RECESSED CAN
- 2 X 4 LAY-IN FIXTURE - SEE ELECTRICAL
- STRIP LED LIGHT FIXTURE
- LED TRACK LIGHT FIXTURE
- EXIT SIGN (ARROW INDICATES DIRECTIONAL SIGNAGE)
- RETURN GRILLE - SEE MECHANICAL
- SUPPLY GRILLE - SEE MECHANICAL
- KEYNOTE
- S1 SOFFIT S1 - REFER TO DETAIL
- S2 SOFFIT S2 - REFER TO DETAIL
- S3 SOFFIT S3 - REFER TO DETAIL

## RATED WALL LEGEND

- 1 HOUR FIRE BARRIER
- 1 HOUR SMOKE BARRIER
- 2 HOUR FIRE BARRIER
- 2 HOUR SMOKE BARRIER

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| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

BASEMENT FLOOR - REFLECTED CLNG PLAN

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: Author

CHECKED BY: Checker

DATE: August 18, 2022

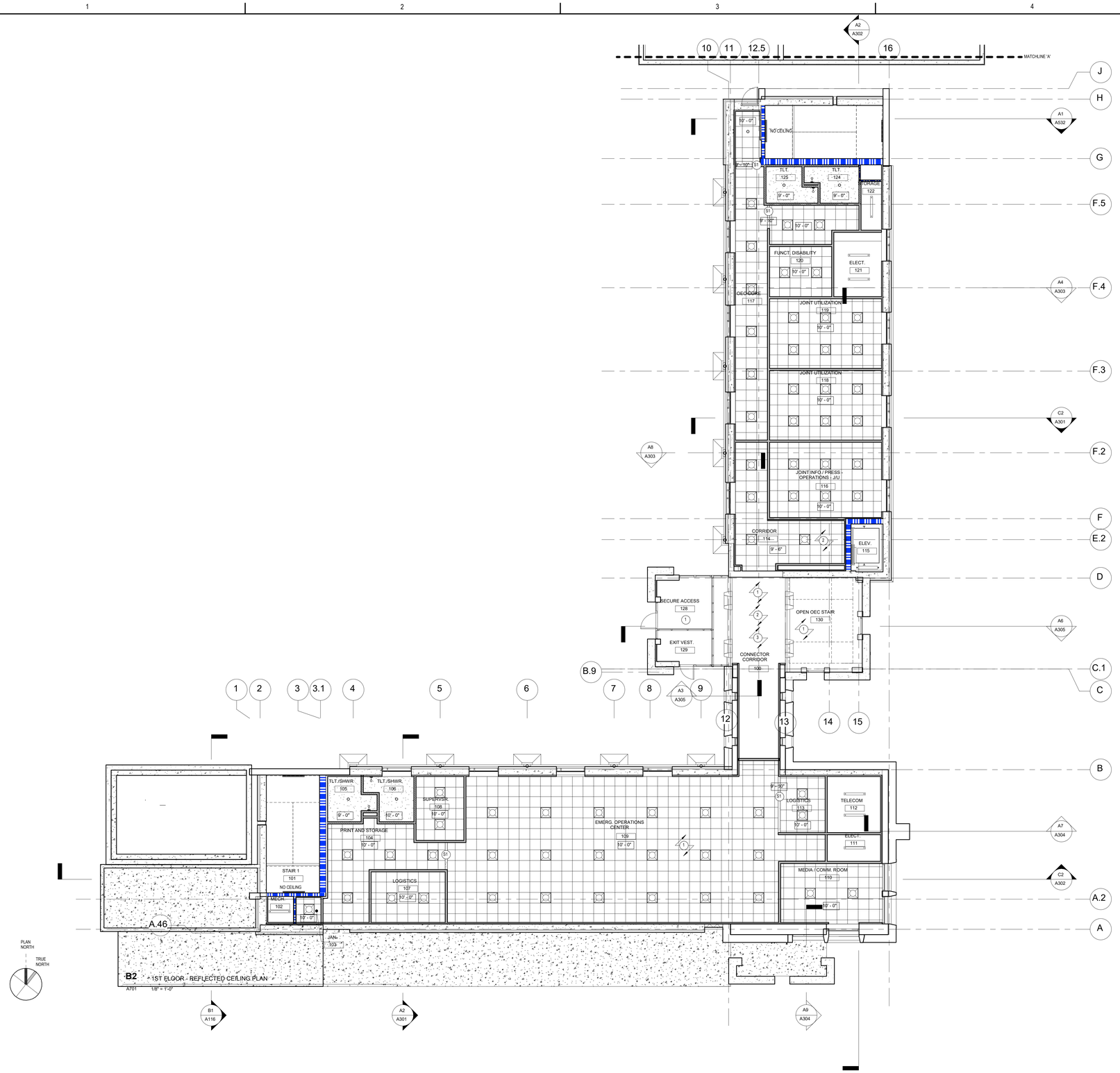
NOVUS JOB NUMBER 470-20-02

ODR PROJECT NUMBER 4340-0010

SHEET NUMBER A700

30% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION




## REFLECTED CEILING PLAN NOTES

- NOTES

## KEYNOTES - RCP

| # | DESCRIPTION |
|---|---|
| 1 | SPECIALTY ACOUSTIC CEILING SYSTEM |
| 2 | SPECIALTY LIGHT FIXTURES |
| 3 | ALIGN ALL FIXTURES (ALL FLOORS) AT CONNECTOR |
| 4 | DESCRIPTION |
| 5 | DESCRIPTION |
| 6 | DESCRIPTION |

## CEILING LEGEND

- 9'-0" — CEILING HEIGHT 9'-0" UNLESS OTHERWISE NOTED
- 2' X 4' ACOUSTICAL CEILING TILE
- 2' X 2' ACOUSTICAL CEILING TILE
- 4" INSULATED METAL PANEL CEILING
- NEW GYP BOARD CEILING/SOFFIT
- RECESSED CAN
- 2 X 4 LAY-IN FIXTURE - SEE ELECTRICAL
- STRIP LED LIGHT FIXTURE
- LED TRACK LIGHT FIXTURE
- EXIT SIGN (ARROW INDICATES DIRECTIONAL SIGNAGE)
- RETURN GRILLE - SEE MECHANICAL
- SUPPLY GRILLE - SEE MECHANICAL
- # — KEYNOTE
- S1 — SOFFIT S1 - REFER TO DETAIL
- S2 — SOFFIT S2 - REFER TO DETAIL
- S3 — SOFFIT S3 - REFER TO DETAIL

## RATED WALL LEGEND

- 1 HOUR FIRE BARRIER
- 1 HOUR SMOKE BARRIER
- 2 HOUR FIRE BARRIER
- 2 HOUR SMOKE BARRIER

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| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

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Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

1ST FLOOR - REFLECTED CEILING PLAN

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER 470-20-02

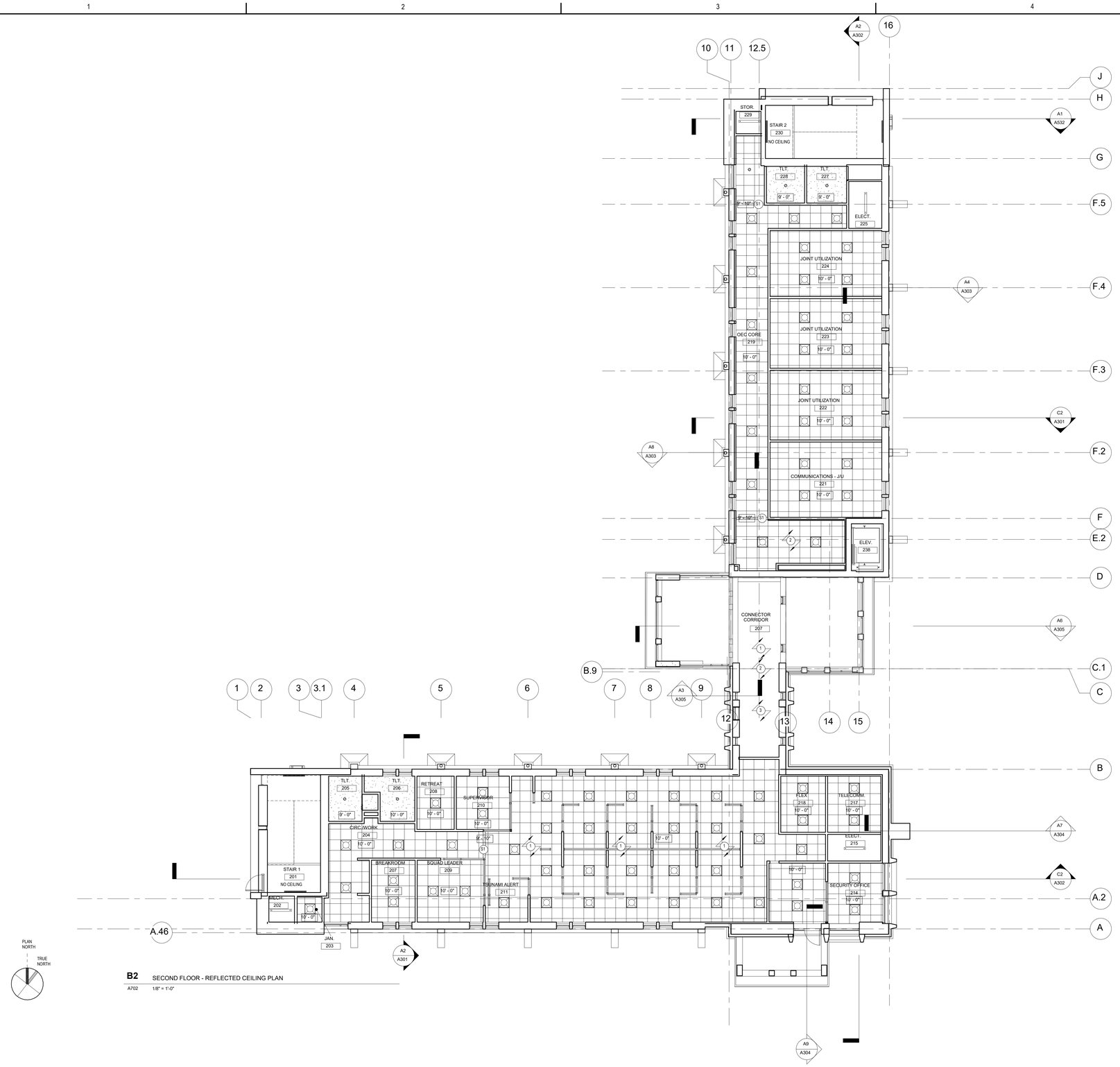
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**B2** SECOND FLOOR - REFLECTED CEILING PLAN

A702 1/8" = 1'-0"

## REFLECTED CEILING PLAN NOTES

- NOTES

## KEYNOTES - RCP

| # | DESCRIPTION |
|---|---|
| 1 | SPECIALTY ACOUSTIC CEILING SYSTEM |
| 2 | SPECIALTY LIGHT FIXTURES |
| 3 | ALIGN ALL FIXTURES (ALL FLOORS) AT CONNECTOR |
| 4 | DESCRIPTION |
| 5 | DESCRIPTION |
| 6 | DESCRIPTION |

## CEILING LEGEND

- 9'-0" — CEILING HEIGHT 9'-0" UNLESS OTHERWISE NOTED
- 2' X 4' ACOUSTICAL CEILING TILE
- 2' X 2' ACOUSTICAL CEILING TILE
- 4" INSULATED METAL PANEL CEILING
- NEW GYP BOARD CEILING/SOFFIT
- RECESSED CAN
- 2 X 4 LAY-IN FIXTURE - SEE ELECTRICAL
- STRIP LED LIGHT FIXTURE
- LED TRACK LIGHT FIXTURE
- EXIT SIGN (ARROW INDICATES DIRECTIONAL SIGNAGE)
- RETURN GRILLE - SEE MECHANICAL
- SUPPLY GRILLE - SEE MECHANICAL
- # — KEYNOTE
- S1 — SOFFIT S1 - REFER TO DETAIL
- S2 — SOFFIT S2 - REFER TO DETAIL
- S3 — SOFFIT S3 - REFER TO DETAIL

## RATED WALL LEGEND

- 1 HOUR FIRE BARRIER
- 1 HOUR SMOKE BARRIER
- 2 HOUR FIRE BARRIER
- 2 HOUR SMOKE BARRIER

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| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

2ND FLOOR - REFLECTED CEILING PLAN

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER 470-20-02

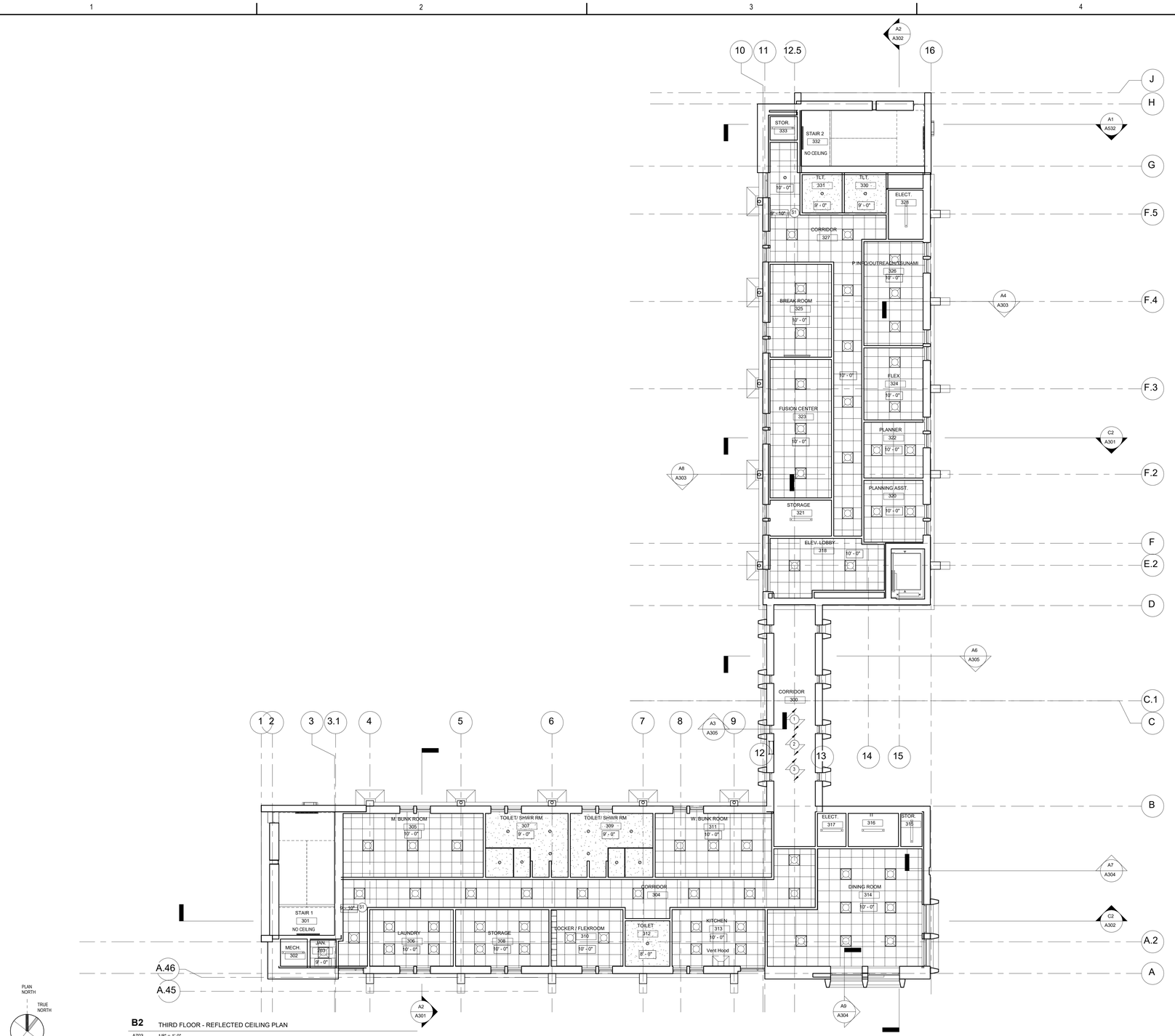
ODR PROJECT NUMBER 4340-0010

SHEET NUMBER A702

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**B2** THIRD FLOOR - REFLECTED CEILING PLAN

A703 1/8" = 1'-0"

## REFLECTED CEILING PLAN NOTES

- NOTES

## KEYNOTES - RCP

| # | DESCRIPTION |
|---|---|
| 1 | SPECIALTY ACOUSTIC CEILING SYSTEM |
| 2 | SPECIALTY LIGHT FIXTURES |
| 3 | ALIGN ALL FIXTURES (ALL FLOORS) AT CONNECTOR |
| 4 | DESCRIPTION |
| 5 | DESCRIPTION |
| 6 | DESCRIPTION |

## CEILING LEGEND

- 9'-0" — CEILING HEIGHT 9'-0" UNLESS OTHERWISE NOTED
- 2' X 4' ACOUSTICAL CEILING TILE
- 2' X 2' ACOUSTICAL CEILING TILE
- 4" INSULATED METAL PANEL CEILING
- NEW GYP BOARD CEILING/SOFFIT
- RECESSED CAN
- 2 X 4 LAY-IN FIXTURE - SEE ELECTRICAL
- STRIP LED LIGHT FIXTURE
- LED TRACK LIGHT FIXTURE
- EXIT SIGN (ARROW INDICATES DIRECTIONAL SIGNAGE)
- RETURN GRILLE - SEE MECHANICAL
- SUPPLY GRILLE - SEE MECHANICAL
- KEYNOTE
- S1 SOFFIT S1 - REFER TO DETAIL
- S2 SOFFIT S2 - REFER TO DETAIL
- S3 SOFFIT S3 - REFER TO DETAIL

## RATED WALL LEGEND

- 1 HOUR FIRE BARRIER
- 1 HOUR SMOKE BARRIER
- 2 HOUR FIRE BARRIER
- 2 HOUR SMOKE BARRIER

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| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

3RD FLOOR - REFLECTED CEILING PLAN

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER 470-20-02

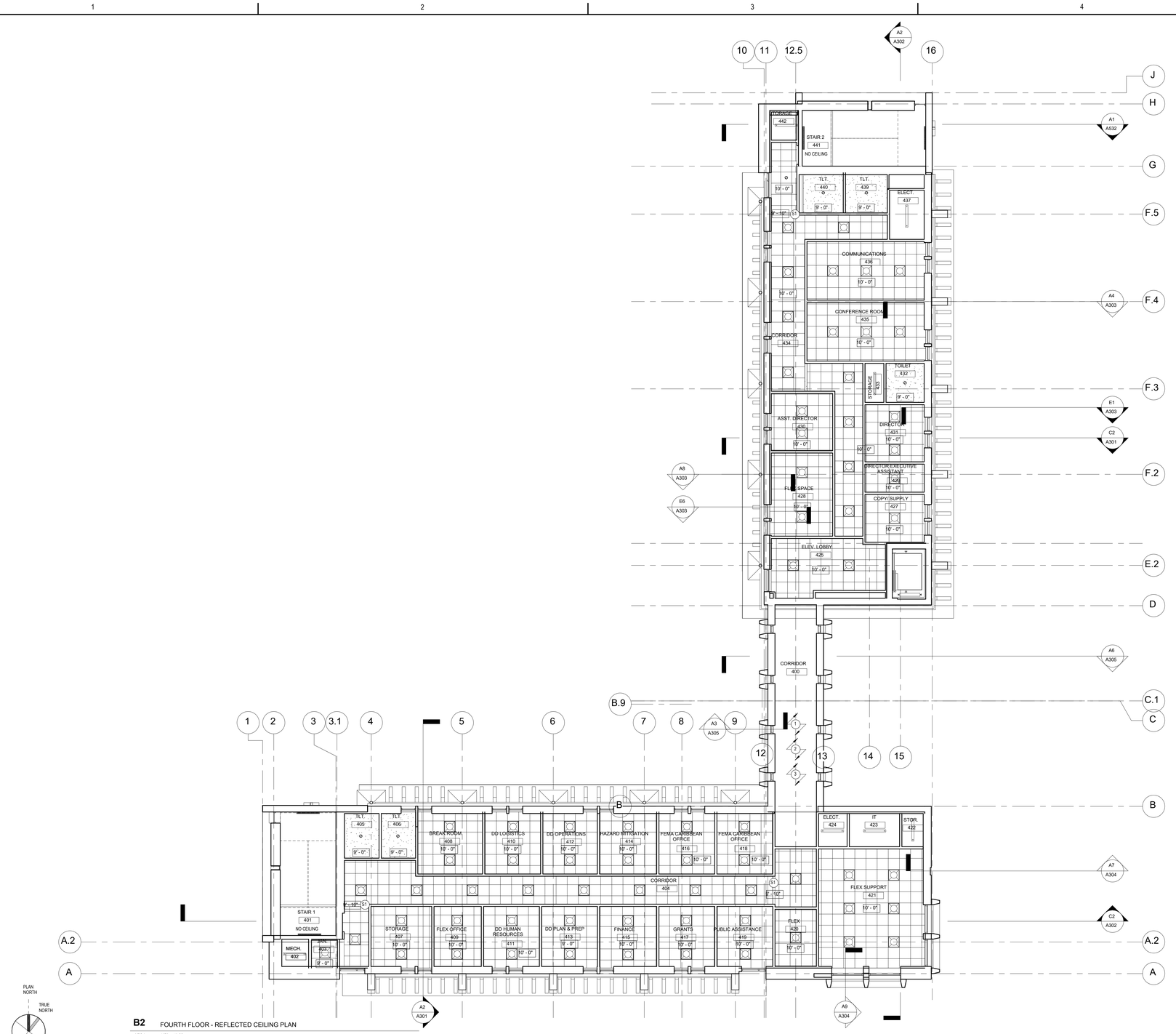
GDR PROJECT NUMBER 4340-0010

SHEET NUMBER A703

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**B2** FOURTH FLOOR - REFLECTED CEILING PLAN

A704 1/8" = 1'-0"

## REFLECTED CEILING PLAN NOTES

- NOTES

## KEYNOTES - RCP

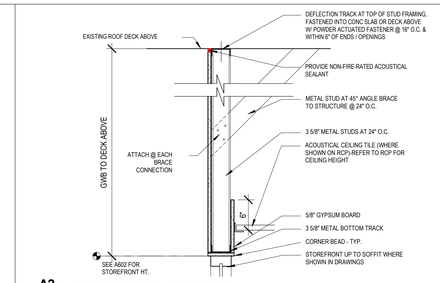
| # | DESCRIPTION |
|---|---|
| 1 | SPECIALTY ACOUSTIC CEILING SYSTEM |
| 2 | SPECIALTY LIGHT FIXTURES |
| 3 | ALIGN ALL FIXTURES (ALL FLOORS) AT CONNECTOR |
| 4 | DESCRIPTION |
| 5 | DESCRIPTION |
| 6 | DESCRIPTION |

## CEILING LEGEND

- 9'-0" — CEILING HEIGHT 9'-0" UNLESS OTHERWISE NOTED
- 2' X 4' ACOUSTICAL CEILING TILE
- 2' X 2' ACOUSTICAL CEILING TILE
- 4" INSULATED METAL PANEL CEILING
- NEW GYP BOARD CEILING/SOFFIT
- RECESSED CAN
- 2 X 4 LAY-IN FIXTURE - SEE ELECTRICAL
- STRIP LED LIGHT FIXTURE
- LED TRACK LIGHT FIXTURE
- EXIT SIGN (ARROW INDICATES DIRECTIONAL SIGNAGE)
- RETURN GRILLE - SEE MECHANICAL
- SUPPLY GRILLE - SEE MECHANICAL
- # — KEYNOTE
- S1 — SOFFIT S1 - REFER TO DETAIL
- S2 — SOFFIT S2 - REFER TO DETAIL
- S3 — SOFFIT S3 - REFER TO DETAIL

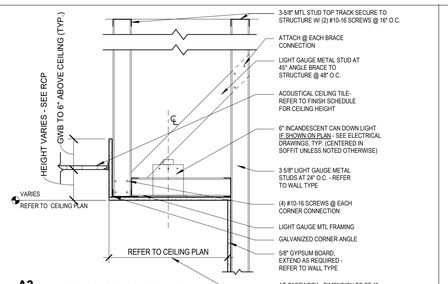
## RATED WALL LEGEND

- 1 HOUR FIRE BARRIER
- 1 HOUR SMOKE BARRIER
- 2 HOUR FIRE BARRIER
- 2 HOUR SMOKE BARRIER



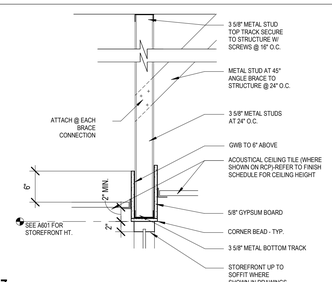

**A2** SOFFIT SECTION S3 - GWB TO DECK

A704 1" = 1'-0"




**A3** SOFFIT SECTION S2 - AT WALL

A704 1" = 1'-0"




**A7** SOFFIT SECTION S1 - TYPICAL

A704 1" = 1'-0"

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GOVERNMENT OF THE UNITED STATES VIRGIN ISLANDS

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IN PROGRESS DOCUMENTS FOR INTERIM REVIEW ONLY. NOT FOR REGULATORY APPROVAL, PERMIT, OR CONSTRUCTION.

SUBMISSIONS:

| Ref | Description | Date |
|---|---|---|
| A | Schematic | 03.04.2022 |
| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

4TH FLOOR - REFLECTED CEILING PLAN

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER 470-20-02

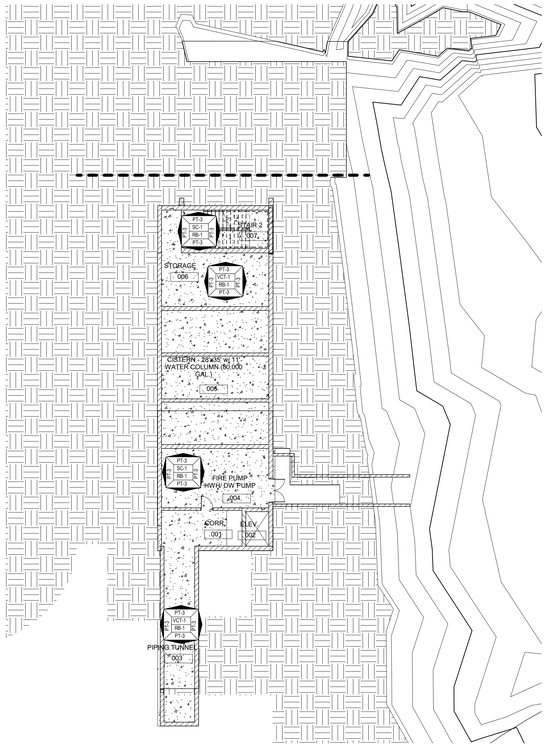
ODR PROJECT NUMBER 4340-0010

SHEET NUMBER A704

30% CONSTRUCTION DOCUMENTS

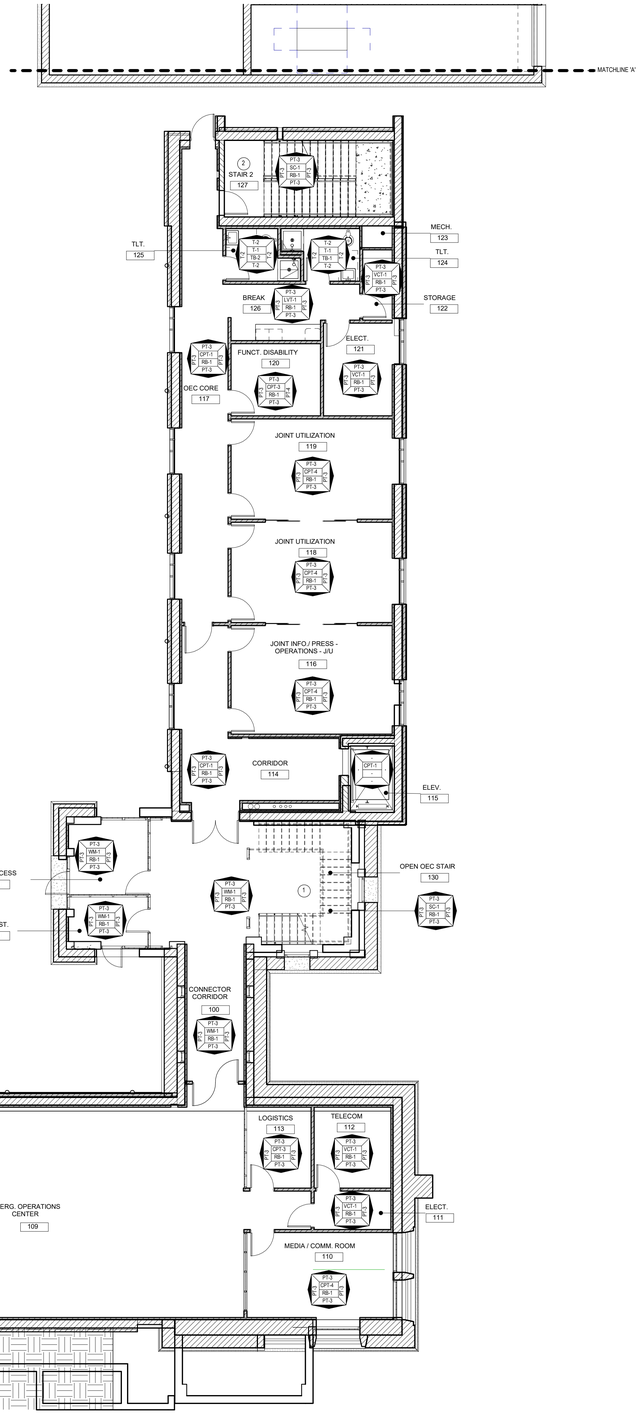
NOT FOR CONSTRUCTION

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**C1** BASEMENT FINISH PLAN

A801 1/16" = 1'-0"




**A1** 1ST FLOOR FINISH PLAN

A801 1/8" = 1'-0"

## FINISH SYMBOLS LEGEND

**GENERAL**

- ROOM NAME — ROOM NAME & NUMBER (100)
- STANDARD FINISH SYMBOL - REFER TO PLAN (WALL / FLOOR / BASE / WALL)
- ACCENT FINISH (A)
- DIRECTION OF GRAIN/ LINEARITY OF FINISH
- SAME HEIGHT TRANSITION
- DIFFERENT HEIGHT TRANSITION
- NOT IN SCOPE

**FLOORING**

- LUXURY VINYL TILE — RT-1A, RT-4A, RT-5A
- VINYL COMPOSITION TILE — RT-2A
- STATIC DISSIPATIVE TILE — RT-3A
- GENERAL CARPET — CPT-1A
- ACCENT CARPET — CPT-2A
- ACCENT CARPET — CPT-3A
- PORCELAIN TILE — TL-1
- KINETEX — KX-1
- EXISTING CONCRETE, TO BE CLEANED AND RESEALED - CON
- COMPOSITION/EPOXY FLOORING — CMP-1A
- WALK-OFF MAT — WOM-1A

**CORNER GUARD INSTALLATION**

- 90° CORNER GUARD — PROVIDE AT CORNER - HEIGHT PER FINISH LEGEND
- 90° CORNER GUARDS — PROVIDE TWO AT ENDWALL LOCATIONS
- 90° CORNER GUARDS — PROVIDE AT ALL EXPOSED COLUMN CORNERS
- 135° CORNER GUARD — PROVIDE AT CORNER - HEIGHT PER FINISH LEFEND

## GENERAL FINISH NOTES

1. INSTALL TRANSITION STRIPS BETWEEN DISSIMILAR FLOOR FINISHES. SELECT APPROPRIATE DETAIL FOR SURFACE TYPES, SEE DETAILS THIS SHEET
2. CONTRACTOR TO SUBMIT ALL FINISH SAMPLES TO ARCHITECT PRIOR TO ORDERING FOR VERIFICATION OF CORRECT PRODUCT AND COLOR.
3. PROVIDE CORNER GUARDS AT ALL EXTERIOR DRYWALL CORNERS. REFER TO D1/A700 FOR DETAILS.
4. FINISHES TO MEET FLAME SPREAD AND SMOKE DEVELOPED RATINGS PER CODE.
5. EXTEND FLOORING UNDER COUNTERTOPS AND BASE CABINETS UNLESS NOTED OTHERWISE.
6. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES AND FINISHES. ALL VERTICAL SURFACE PAINT AT SOFFITS TO MATCH ADJACENT U.N.O. ALL HORIZONTAL SURFACES TO BE PAINTED PT-6. PAINT GYPSUM WALLBOARD CEILING PT-6 UNLESS NOTED OTHERWISE.
7. VERTICAL SURFACES & UNDERSIDE OF SOFFITS TO MATCH WALL FINISH SCHEDULE FOR ROOM. COORDINATE ACCENT AND COLOR PLACEMENT WITH ARCHITECT.
8. PAINT FINISHES TO BE EGGSHELL FINISH ON WALL AND SEMI-GLOSS ON DOOR FRAMES.
9. REFER TO FINISH PLAN FOR ACCENT FINISHES.
10. SIGNAGE WILL BE OWNER PROVIDED AND CONTRACO INSTALLED. COORDINATE LOCATIONS AND ANY BLOCKING AS REQUIRED.
11. ALIGN WALL GROUT JOINT BETWEEN PORCELAIN WALL TILE, BASE TILE, AND FLOOR TILES. TYP. USE INSIDE AND OUTSIDE TRIM CORNERS AS NECESSARY. GORUT JOINTS TO BE NO MORE THAN 1/16" IN WIDTH.
12. TRANSITIONS BETWEEN FLOORING MATERIALS TO OCCUR @ CENTER LINE OF DOOR.
13. PROVIDE SOLID SURFACE (SS-1) SILLS AT ALL WINDOWS. REFER TO FINISH SCHEDULE.
14. WHERE LARGE FINISH SYMBOL IS NOT PROVIDED REFER TO TYPICAL.
15. WHERE RESILIENT FLOORING COLOR TRANSITIONS OCCUR NEAR CORNER CONDITIONS ENSURE TRANSITION OCCURS AS CLOSE TO THE CORNER AS POSSIBLE.
16. GC TO PROVIDE DRYFALL PAINT AT ALL EXPOSED CEILINGS & STRUCTURE INCLUDING COLUMNS, JOISTS, & ROOF DECKING.
17. INSTALL METAL CORNERGUARDS ABOVE BOLLARDS IN WAREHOUSE.
18. GRIND SMOOTH AND PAINT AT EXISTING EXPOSED INTERIOR BUILDING COLUMNS FROM REMOVED CHECKPLATES. LEAVE CHECKPLATES IN PLACE IN WAREHOUSE LOCATIONS.
19. INSTALL HIGH-IMPACT WAINSCOT TO 4' IN WAREHOUSE. GC TO SPECIFY.
20. NOT USED
21. VESPHENE AND Lph (FROM STERIS), 70% ISOPROPYL ALCOHOL (IPA) AND SPOR KEUNZ CLEANING CHEMICALS ARE USED IN GOWNING AREA AND LABS. FINISH MANUFACTURERS TO PLEASE NOTIFY ARCHITECT OF ANY CONCERNS REGARDING COMPATIBILITY PRIOR TO INSTALLATION.

- NOT ALL FINISH MATERIALS/DETAILS THIS SHEET ARE APPICABLE TO SHELL/CORE.

**MFR CONTACT INFO**

| | | | |
|---|---|---|---|
| ALTRO | 1-800-377-5597 | LEES | 1-800-523-5647 |
| CHARTER INDUSTRIES | 1-800-538-9098 | MARLITE | 1-800-377-1221 |
| FLEXCO | 1-800-633-3151 | PANOLAM INDUSTIES | 1-888-375-9255 |
| INPRO CORPORATION | 1-800-222-5596 | USG | 1-800-874-4968 |
| JOHNSONITE | 1-800-899-8916 | | |

## KEYNOTES - FINISH PLAN

| # | DESCRIPTION |
|---|---|
| 1 | EXPOSED CONCRETE STAIR, INTEGRAL DYE, BRUSHED FINISH, ABRASIVE NOSING (SCHLUTER TREP-EKF) |
| 2 | TARKETT RUBBER RISERS AND TREADS. |

## FINISH SELECTIONS

**ACT**

- ACT-1 — ARMSTRONG CEILINGS, HIGH PERFORMANCE ACCOUSTIC PERFORMANCE IN LOBBY
- ACT-2 — ARMSTRONG CEILINGS, STANDARD 24X24 IN OFFICES, CORRIDORS, AND CONFERENCE ROOMS
- ACT-3 — ARMSTRONG CEILINGS,WASHABLE IN KITCHENS, DINING ROOMS, AND BUNK ROOMS

**BLINDS/SHADES**

- SH-1 — CIGMA SHADES, MERMET, E SCREEN ME007020 5% OPEN, PEARL/LINEN, HARDWARE: CHARCOAL BRONZE

**CARPET**

- CPT-1 — J+J FLOORING. KINETEX, PATTERN: CATALYST 1841, COLOR: CHEMISTRY, SIZE:12" x 24" MODULES. INSTALLATION: TBD
- CPT-3 — INTERFACE. COLLECTION: SIMPLE ABSTRACTION. PATTERN:VIDEO SPECTRUM, COLOR: TBD, MODULAR PLANK 9.845" X 39.38" INSTALLATION: HORIZONTAL ASHLAR
- CPT-4 — INTERFACE. COLLECTION: REFLECTORS. PATTERN: NIGHT LIGHTS, COLOR: IIRON AZURE, MODULAR PLANK 9.845" X 39.38" INSTALLATION: HORIZONTAL ASHLAR

**COMPOSITION FLOORING**

- VCT-1 — ARMSTRONG FLOORING. VINYL COMPOSITE TILE. RAFFIA STREAM. COLOR: TBD. TILE SIZE:12"X24" INSTALLATION: MONOLITHIC

**CONCRETE**

- SC-1 — SEALED CONCRETE,POLISHED WITH HARDENING SEALER

**LUXURY VINYL TILE**

- LVT-1 — INTERFACE. COLLECTION: DESERT SCAPES. PLANT-ASTIC. COLOR: DUNE DUST A02202. MODULAR PLANK 9.845" X 39.38" INSTALLATION: HORIZONTAL ASHLAR
- LVT-2 — PATCRAFT. PATTERN: PAINTED WEFT I483V. COLOR: TBD. MODULAR PLANK: 9" X 36" INSTALLATION: BRICK

**PAINT**

- PT-1 — SHERWIN WILLIAMS. SW 7069 IRON ORE. SEMI-GLOSS FINISH (TRIM PAINT)
- PT-2 — SHERWIN WILLIAMS. SW 7007 CEILING BRIGHT WHITE. FLAT/MATTE FINISH. (GENERAL CEILING PAINT)
- PT-3 — SHERWIN WILLIAMS, SW 7029 AGREEABLE GRAY, EGGSHELL FINISH. (MAIN WALL PAINT)
- PT-4 — SHERWIN WILLIAMS, SW 9047 STUDIO BLUE GREEN, EGGSHELL FINISH. (ACCENT WALL PAINT)
- PT-6 — SHERWIN WILLIAMS. SW 7007 CEILING BRIGHT WHITE. SATIN FINISH. (CEILING PAINT AT RESTROOMS AND SHOWERS)

**PLASTIC LAMINATE**

- PL-1 — WILSONART, 4813-60 NICKEL EV (BACK OF HOUSE COUNTERTOPS)
- PL-2 — WILSONART, 7939-18 VAPOR STRANDZ. (BACK OF HOUSE CABINETS), NOTE: ONLY USED ON VERTICAL SURFACE OF BASE CABINETS
- PL-3 — WILSONART, 8220-38 FRENCH PEAR (AT SPECIALTY MILLWORK CABINETS WITH SOLID SURFACE) NOTE: ONLY USED ON VERTICAL SURFACE OF BASE CABINETS

**PORCELAIN TILE**

- T-1 — DALTILE, PORCELAIN FLOOR TILES, DESIGN: MARBLE ATACHE LAVISH. COLOR: DIAMOND CARRARA MA70. FINISH: MATTE, SIZE: 12X24, INSTALLATION: BRICKWORK. GROUT: MAPEI COLOR: TBD. GROUT THICKNESS: 1/8".
- TB-1 — DALTILE, BULLNOSE BASE, DESIGN: MARBLE ATACHE LAVISH. COLOR: DIAMOND CARRARA MA70.FINISH: MATTE, SIZE: 3"X24", GROUT: MAPEI COLOR: TBD. GROUT THICKNESS: 1/8".

**RUBBER BASE**

- RB-1 — JOHNSONITE, COVE BASE, COLOR: TBD, HEIGHT: 4"

**SOLID SURFACE**

- SS-1 — WILSONART, SOLID SURFACE, GREY BEOLA 9218CM. 1/4" ROUND EDGE (RESTROOM, BREAKROOM, KITCHEN, AND DINING COUNTERTOPS)
- SS-2 — WILSONART, SOLID SURFACE, BEIGE TRAVERTINE, 9236SS (WINDOW SILLS)

**WALK OFF MAT**

- WM-1 — SHAW CONTRACT. PRODUCT: PORTAL TILE 5T035, COLOR: STERLING 34557. CONSTRUCTION: MULTI-LEVEL PATTERN LOOP, FIBER: ECO SOLUTION Q NYLON, BACKING: ECOWORX TILE RADIANT PANEL: CLASS 1, NBS SMOKE: LESS THAN 450. TILE SIZE: 24"X24", INSTALLATION: MONOLITHIC. NOTE: INSET.

**WALL TILE**

- T-2 — DALTILE, PORCELAIN FLOOR TILES, DESIGN :MARBLE ATACHE LAVISH. COLOR: DIAMOND CARRARA MA70. FINISH: POLISHED, SIZE: 12X24, INSTALLATION: BRICKWORK. GROUT: MAPEI COLOR: TBD. GROUT THICKNESS: 1/8".

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VIRGIN ISLANDS TERRITORIAL EMERGENCY MANAGEMENT AGENCY

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SUBMISSIONS:

| Ref | Description | Date |
|---|---|---|
| A | Schematic | 03.04.2022 |
| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA — Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

GROUND & 1ST FLOOR - FINISH PLANS

REVISIONS:

| No. | Description | Date |
|---|---|---|
| | | |

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

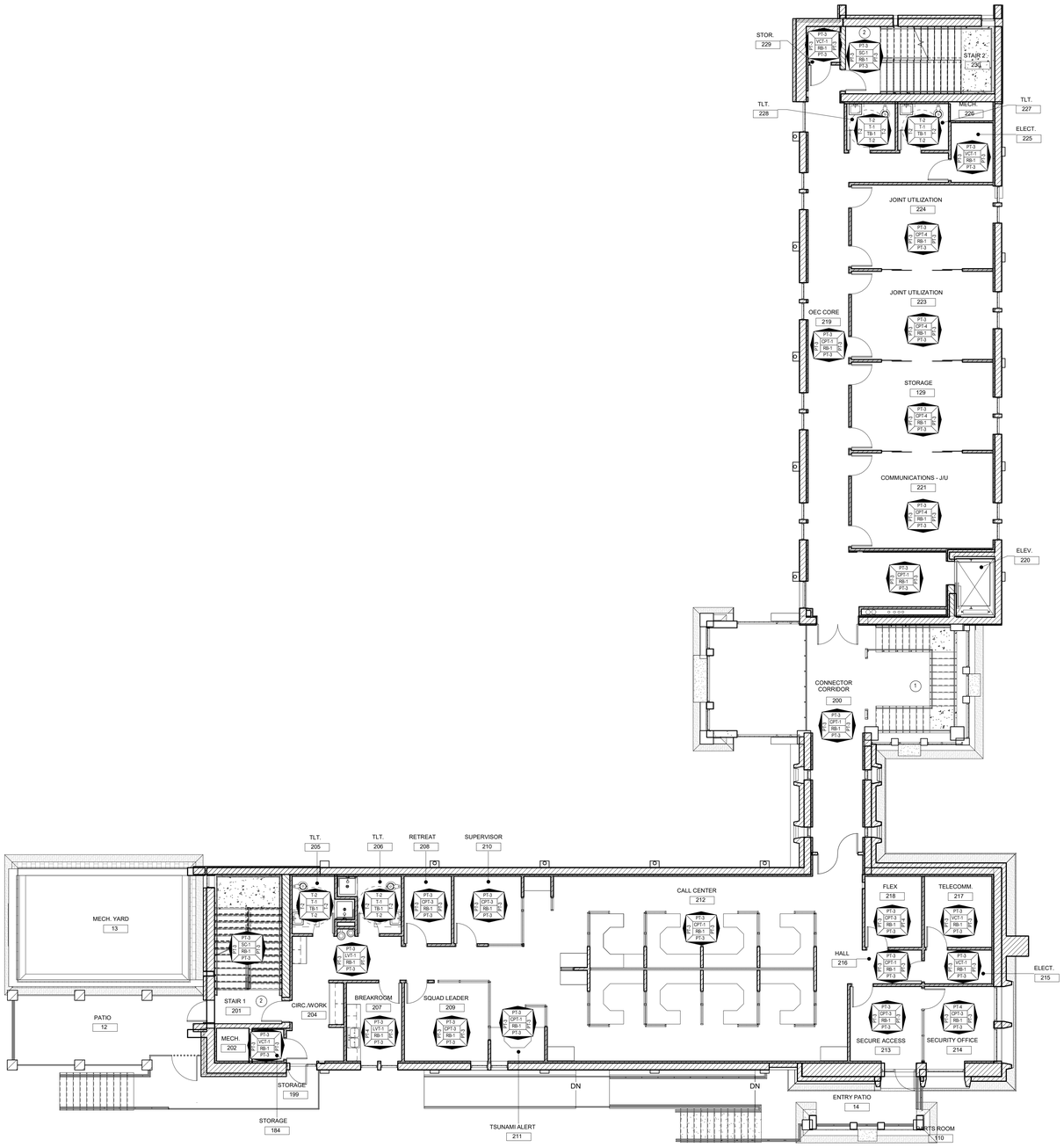
NOVUS JOB NUMBER 470-20-02

ODR PROJECT NUMBER 4340-0010

SHEET NUMBER A801

30% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION




**A1** 2ND FLOOR FINISH PLAN

A802 1/8" = 1'-0"

# FINISH SYMBOLS LEGEND

**GENERAL**

- ROOM NAME & NUMBER (100)
- STANDARD FINISH SYMBOL - REFER TO PLAN (WALL / FLOOR / BASE / WALL)
- ACCENT FINISH (X)
- DIRECTION OF GRAIN/ LINEARITY OF FINISH
- SAME HEIGHT TRANSITION
- DIFFERENT HEIGHT TRANSITION
- NOT IN SCOPE

**FLOORING**

- LUXURY VINYL TILE RT-1A, RT-4A, RT-5A
- VINYL COMPOSITION TILE RT-2A
- STATIC DISSIPATIVE TILE RT-3A
- GENERAL CARPET CPT-1A
- ACCENT CARPET CPT-2A
- ACCENT CARPET CPT-3A
- PORCELAIN TILE TL-1
- KINETEX KX-1
- EXISTING CONCRETE, TO BE CLEANED AND RESEALED - CON
- COMPOSITION/EPOXIY FLOORING CMP-1A
- WALK-OFF MAT WOM-1A

**CORNER GUARD INSTALLATION**

- 90° CORNER GUARD PROVIDE AT CORNER - HEIGHT PER FINISH LEGEND
- 90° CORNER GUARDS PROVIDE TWO AT ENDWALL LOCATIONS
- 90° CORNER GUARDS PROVIDE AT ALL EXPOSED COLUMN CORNERS
- 135° CORNER GUARD PROVIDE AT CORNER - HEIGHT PER FINISH LEFEND

# GENERAL FINISH NOTES

1. INSTALL TRANSITION STRIPS BETWEEN DISSIMILAR FLOOR FINISHES. SELECT APPROPRIATE DETAIL FOR SURFACE TYPES, SEE DETAILS THIS SHEET
2. CONTRACTOR TO SUBMIT ALL FINISH SAMPLES TO ARCHITECT PRIOR TO ORDERING FOR VERIFICATION OF CORRECT PRODUCT AND COLOR.
3. PROVIDE CORNER GUARDS AT ALL EXTERIOR DRYWALL CORNERS. REFER TO D1/A700 FOR DETAILS.
4. FINISHES TO MEET FLAME SPREAD AND SMOKE DEVELOPED RATINGS PER CODE.
5. EXTEND FLOORING UNDER COUNTERTOPS AND BASE CABINETS UNLESS NOTED OTHERWISE.
6. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES AND FINISHES. ALL VERTICAL SURFACE PAINT AT SOFFITS TO MATCH ADJACENT U.N.O. ALL HORIZONTAL SURFACES TO BE PAINTED PT-6. PAINT GYPSUM WALLBOARD CEILING PT-6 UNLESS NOTED OTHERWISE.
7. VERTICAL SURFACES & UNDERSIDE OF SOFFITS TO MATCH WALL FINISH SCHEDULE FOR ROOM. COORDINATE ACCENT AND COLOR PLACEMENT WITH ARCHITECT.
8. PAINT FINISHES TO BE EGGSHELL FINISH ON WALL AND SEMI-GLOSS ON DOOR FRAMES.
9. REFER TO FINISH PLAN FOR ACCENT FINISHES.
10. SIGNAGE WILL BE OWNER PROVIDED AND CONTRACO INSTALLED. COORDINATE LOCATIONS AND ANY BLOCKING AS REQUIRED.
11. ALIGN WALL GROUT JOINT BETWEEN PORCELAIN WALL TILE, BASE TILE, AND FLOOR TILES. TYP. USE INSIDE AND OUTSIDE TRIM CORNERS AS NECESSARY. GORUT JOINTS TO BE NO MORE THAN 1/16" IN WIDTH.
12. TRANSITIONS BETWEEN FLOORING MATERIALS TO OCCUR @ CENTER LINE OF DOOR.
13. PROVIDE SOLID SURFACE (SS-1) SILLS AT ALL WINDOWS. REFER TO FINISH SCHEDULE.
14. WHERE LARGE FINISH SYMBOL IS NOT PROVIDED REFER TO TYPICAL.
15. WHERE RESILIENT FLOORING COLOR TRANSITIONS OCCUR NEAR CORNER CONDITIONS ENSURE TRANSITION OCCURS AS CLOSE TO THE CORNER AS POSSIBLE.
16. GC TO PROVIDE DRYFALL PAINT AT ALL EXPOSED CEILINGS & STRUCTURE INCLUDING COLUMNS, JOISTS, & ROOF DECKING.
17. INSTALL METAL CORNERGUARDS ABOVE BOLLARDS IN WAREHOUSE.
18. GRIND SMOOTH AND PAINT AT EXISTING EXPOSED INTERIOR BUILDING COLUMNS FROM REMOVED CHECKPLATES. LEAVE CHECKPLATES IN PLACE IN WAREHOUSE LOCATIONS.
19. INSTALL HIGH-IMPACT WAINSCOT TO 4' IN WAREHOUSE. GC TO SPECIFY.
20. NOT USED
21. VESPHENE AND Lph (FROM STERIS), 70% ISOPROPYL ALCOHOL (IPA) AND SPOR KEUNZ CLEANING CHEMICALS ARE USED IN GOWNING AREA AND LABS. FINISH MANUFACTURERS TO PLEASE NOTIFY ARCHITECT OF ANY CONCERNS REGARDING COMPATIBILITY PRIOR TO INSTALLATION.

- NOT ALL FINISH MATERIALS/DETAILS THIS SHEET ARE APPICABLE TO SHELL/CORE.

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|---|---|---|---|
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| CHARTER INDUSTRIES | 1-800-538-9088 | MARLITE | 1-800-377-1221 |
| FLEXCO | 1-800-633-3151 | PANOLAM INDUSTIES | 1-888-375-9255 |
| INPRO CORPORATION | 1-800-222-5056 | USG | 1-800-874-4968 |
| JOHNSONITE | 1-800-899-8916 | | |

# KEYNOTES - FINISH PLAN

| # | DESCRIPTION |
|---|---|
| 1 | EXPOSED CONCRETE STAIR, INTEGRAL DYE, BRUSHED FINISH, ABRASIVE NOSING (SCHLUTER TREP-EKF) |
| 2 | TARKETT RUBBER RISERS AND TREADS. |

# FINISH SELECTIONS

**ACT**

- ACT-1 ARMSTRONG CEILINGS, HIGH PERFORMANCE ACCOUSTIC PERFORMANCE IN LOBBY
- ACT-2 ARMSTRONG CEILINGS, STANDARD 24X24 IN OFFICES, CORRIDORS, AND CONFERENCE ROOMS
- ACT-3 ARMSTRONG CEILINGS,WASHABLE IN KITCHENS, DINING ROOMS, AND BUNK ROOMS

**BLINDS/SHADES**

- SH-1 CIGMA SHADES, MERMET, E SCREEN ME007020 5% OPEN, PEARL/LINEN, HARDWARE: CHARCOAL BRONZE

**CARPET**

- CPT-1 J+J FLOORING. KINETEX, PATTERN: CATALYST 1841, COLOR: CHEMISTRY, SIZE:12" x 24" MODULES. INSTALLATION: TBD
- CPT-3 INTERFACE. COLLECTION: SIMPLE ABSTRACTION. PATTERN:VIDEO SPECTRUM, COLOR: TBD, MODULAR PLANK 9.845" X 39.38" INSTALLATION: HORIZONTAL ASHLAR
- CPT-4 INTERFACE. COLLECTION: REFLECTORS. PATTERN: NIGHT LIGHTS, COLOR: IRON AZURE, MODULAR PLANK 9.845" X 39.38" INSTALLATION: HORIZONTAL ASHLAR

**COMPOSITION FLOORING**

- VCT-1 ARMSTRONG FLOORING. VINYL COMPOSITE TILE. RAFFIA STREAM. COLOR: TBD. TILE SIZE:12"X24" INSTALLATION: MONOLITHIC

**CONCRETE**

- SC-1 SEALED CONCRETE,POLISHED WITH HARDENING SEALER

**LUXURY VINYL TILE**

- LVT-1 INTERFACE. COLLECTION: DESERT SCAPES. PLANT-ASTIC. COLOR: DUNE DUST A02202. MODULAR PLANK 9.845" X 39.38" INSTALLATION: HORIZONTAL ASHLAR
- LVT-2 PATCRAFT. PATTERN: PAINTED WEFT I483V. COLOR: TBD. MODULAR PLANK: 9" X 36" INSTALLATION: BRICK

**PAINT**

- PT-1 SHERWIN WILLIAMS. SW 7069 IRON ORE. SEMI-GLOSS FINISH (TRIM PAINT)
- PT-2 SHERWIN WILLIAMS. SW 7007 CEILING BRIGHT WHITE. FLAT/MATTE FINISH. (GENERAL CEILING PAINT)
- PT-3 SHERWIN WILLIAMS. SW 7029 AGREEABLE GRAY, EGGSHELL FINISH. (MAIN WALL PAINT)
- PT-4 SHERWIN WILLIAMS, SW 0047 STUDIO BLUE GREEN, EGGSHELL FINISH. (ACCENT WALL PAINT)
- PT-6 SHERWIN WILLIAMS. SW 7007 CEILING BRIGHT WHITE. SATIN FINISH. (CEILING PAINT AT RESTROOMS AND SHOWERS)

**PLASTIC LAMINATE**

- PL-1 WILSONART, 4813-60 NICKEL EV (BACK OF HOUSE COUNTERTOPS)
- PL-2 WILSONART, 7939-18 VAPOR STRANDZ. (BACK OF HOUSE CABINETS), NOTE: ONLY USED ON VERTICAL SURFACE OF BASE CABINETS
- PL-3 WILSONART, 8220-38 FRENCH PEAR (AT SPECIALTY MILLWORK CABINETS WITH SOLID SURFACE) NOTE: ONLY USED ON VERTICAL SURFACE OF BASE CABINETS

**PORCELAIN TILE**

- T-1 DALTILE, PORCELAIN FLOOR TILES, DESIGN: MARBLE ATACHE LAVISH. COLOR: DIAMOND CARRARA MA70. FINISH: MATTE, SIZE: 12X24, INSTALLATION: BRICKWORK. GROUT: MAPEI COLOR: TBD. GROUT THICKNESS: 1/8".
- TB-1 DALTILE, BULLNOSE BASE, DESIGN: MARBLE ATACHE LAVISH. COLOR: DIAMOND CARRARA MA70.FINISH: MATTE, SIZE: 3"X24", GROUT: MAPEI COLOR: TBD. GROUT THICKNESS: 1/8".

**RUBBER BASE**

- RB-1 JOHNSONITE, COVE BASE, COLOR: TBD, HEIGHT: 4"

**SOLID SURFACE**

- SS-1 WILSONART, SOLID SURFACE, GREY BEOLA 9218CM. 1/4" ROUND EDGE (RESTROOM, BREAKROOM, KITCHEN, AND DINING COUNTERTOPS)
- SS-2 WILSONART, SOLID SURFACE, BEIGE TRAVERTINE, 9236SS (WINDOW SILLS)

**WALK OFF MAT**

- WM-1 SHAW CONTRACT. PRODUCT: PORTAL TILE 5T035, COLOR: STERLING 34557. CONSTRUCTION: MULTI-LEVEL PATTERN LOOP. FIBER: ECO SOLUTION Q NYLON, BACKING: ECOWORX TILE.RADIANT PANEL: CLASS 1, NBS SMOKE: LESS THAN 450. TILE SIZE: 24"X24", INSTALLATION: MONOLITHIC. NOTE: INSET.

**WALL TILE**

- T-2 DALTILE, PORCELAIN FLOOR TILES, DESIGN :MARBLE ATACHE LAVISH. COLOR: DIAMOND CARRARA MA70. FINISH: POLISHED, SIZE: 12X24, INSTALLATION: BRICKWORK. GROUT: MAPEI COLOR: TBD. GROUT THICKNESS: 1/8".

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SUBMISSIONS:

| Ref | Description | Date |
|---|---|---|
| A | Schematic | 03.04.2022 |
| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

2ND FLOOR - FINISH PLANS

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

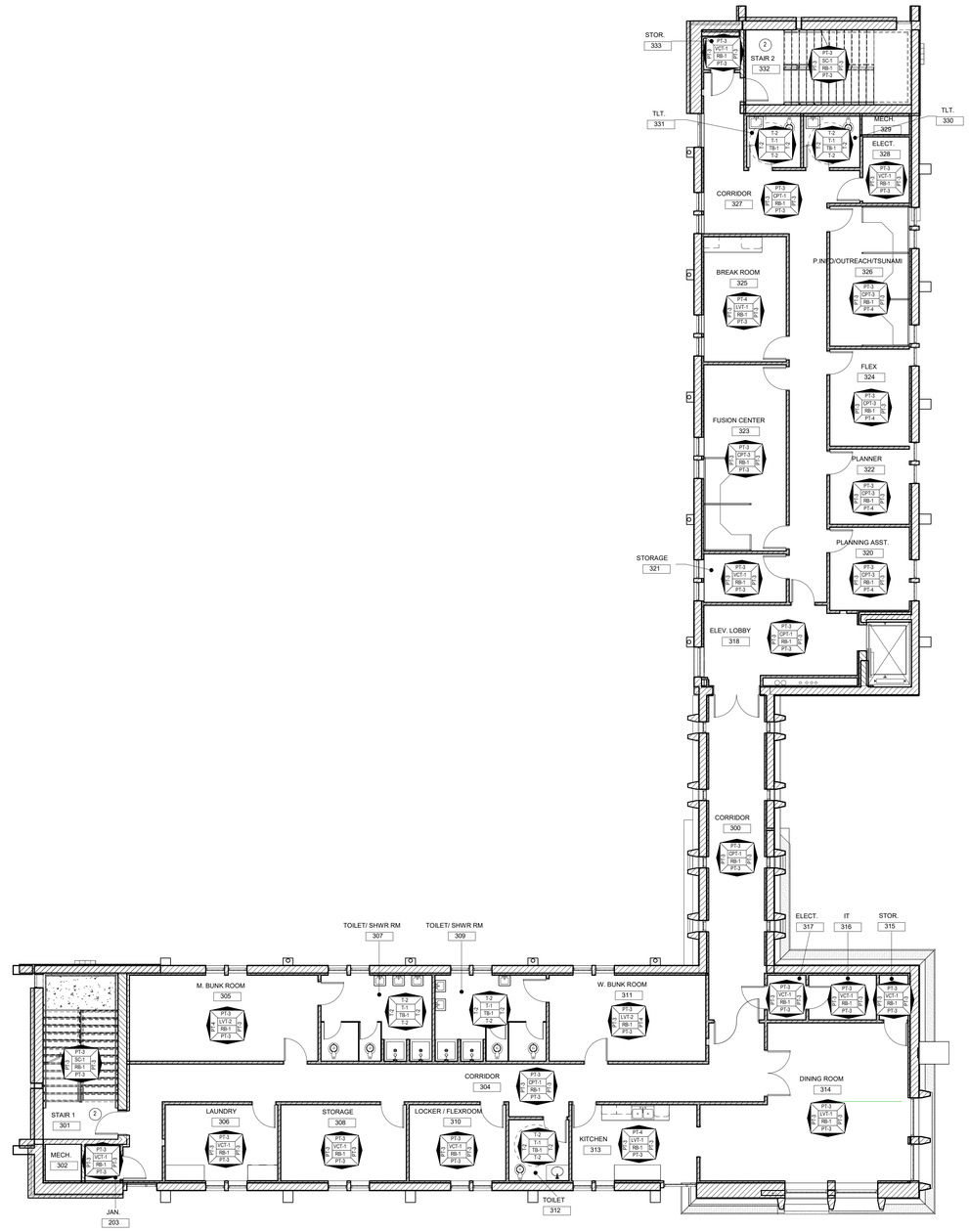
NOVUS JOB NUMBER 470-20-02

GDR PROJECT NUMBER 4340-0010

SHEET NUMBER A802

30% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION




**A1** 3RD FLOOR FINISH PLAN

A803 1/8" = 1'-0"

# FINISH SYMBOLS LEGEND

**GENERAL**

- ROOM NAME & NUMBER (100)
- STANDARD FINISH SYMBOL - REFER TO PLAN (WALL / FLOOR / BASE / WALL)
- ACCENT FINISH (X)
- DIRECTION OF GRAIN/ LINEARITY OF FINISH
- SAME HEIGHT TRANSITION
- DIFFERENT HEIGHT TRANSITION
- NOT IN SCOPE

**FLOORING**

- LUXURY VINYL TILE RT-1A, RT-4A, RT-5A
- VINYL COMPOSITION TILE RT-2A
- STATIC DISSIPATIVE TILE RT-3A
- GENERAL CARPET CPT-1A
- ACCENT CARPET CPT-2A
- ACCENT CARPET CPT-3A
- PORCELAIN TILE TL-1
- KINETEX KX-1
- EXISTING CONCRETE, TO BE CLEANED AND RESEALED - CON
- COMPOSITION/EPOXY FLOORING CMP-1A
- WALK-OFF MAT WOM-1A

**CORNER GUARD INSTALLATION**

- 90° CORNER GUARD PROVIDE AT CORNER - HEIGHT PER FINISH LEGEND
- 90° CORNER GUARDS PROVIDE TWO AT ENDWALL LOCATIONS
- 90° CORNER GUARDS PROVIDE AT ALL EXPOSED COLUMN CORNERS
- 135° CORNER GUARD PROVIDE AT CORNER - HEIGHT PER FINISH LEFEND

# GENERAL FINISH NOTES

1. INSTALL TRANSITION STRIPS BETWEEN DISSIMILAR FLOOR FINISHES. SELECT APPROPRIATE DETAIL FOR SURFACE TYPES, SEE DETAILS THIS SHEET
2. CONTRACTOR TO SUBMIT ALL FINISH SAMPLES TO ARCHITECT PRIOR TO ORDERING FOR VERIFICATION OF CORRECT PRODUCT AND COLOR.
3. PROVIDE CORNER GUARDS AT ALL EXTERIOR DRYWALL CORNERS. REFER TO D1/A700 FOR DETAILS.
4. FINISHES TO MEET FLAME SPREAD AND SMOKE DEVELOPED RATINGS PER CODE.
5. EXTEND FLOORING UNDER COUNTERTOPS AND BASE CABINETS UNLESS NOTED OTHERWISE.
6. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES AND FINISHES. ALL VERTICAL SURFACE PAINT AT SOFFITS TO MATCH ADJACENT U.N.O. ALL HORIZONTAL SURFACES TO BE PAINTED PT-6. PAINT GYPSUM WALLBOARD CEILING PT-6 UNLESS NOTED OTHERWISE.
7. VERTICAL SURFACES & UNDERSIDE OF SOFFITS TO MATCH WALL FINISH SCHEDULE FOR ROOM. COORDINATE ACCENT AND COLOR PLACEMENT WITH ARCHITECT.
8. PAINT FINISHES TO BE EGGSHELL FINISH ON WALL AND SEMI-GLOSS ON DOOR FRAMES.
9. REFER TO FINISH PLAN FOR ACCENT FINISHES.
10. SIGNAGE WILL BE OWNER PROVIDED AND CONTRACO INSTALLED. COORDINATE LOCATIONS AND ANY BLOCKING AS REQUIRED.
11. ALIGN WALL GROUT JOINT BETWEEN PORCELAIN WALL TILE, BASE TILE, AND FLOOR TILES. TYP. USE INSIDE AND OUTSIDE TRIM CORNERS AS NECESSARY. GORUT JOINTS TO BE NO MORE THAN 1/16" IN WIDTH.
12. TRANSITIONS BETWEEN FLOORING MATERIALS TO OCCUR @ CENTER LINE OF DOOR.
13. PROVIDE SOLID SURFACE (SS-1) SILLS AT ALL WINDOWS. REFER TO FINISH SCHEDULE.
14. WHERE LARGE FINISH SYMBOL IS NOT PROVIDED REFER TO TYPICAL.
15. WHERE RESILIENT FLOORING COLOR TRANSITIONS OCCUR NEAR CORNER CONDITIONS ENSURE TRANSITION OCCURS AS CLOSE TO THE CORNER AS POSSIBLE.
16. GC TO PROVIDE DRYFALL PAINT AT ALL EXPOSED CEILINGS & STRUCTURE INCLUDING COLUMNS, JOISTS, & ROOF DECKING.
17. INSTALL METAL CORNERGUARDS ABOVE BOLLARDS IN WAREHOUSE.
18. GRIND SMOOTH AND PAINT AT EXISTING EXPOSED INTERIOR BUILDING COLUMNS FROM REMOVED CHECKPLATES. LEAVE CHECKPLATES IN PLACE IN WAREHOUSE LOCATIONS.
19. INSTALL HIGH-IMPACT WAINSCOT TO 4' IN WAREHOUSE. GC TO SPECIFY.
20. NOT USED
21. VESPHENE AND Lph (FROM STERIS), 70% ISOPROPYL ALCOHOL (IPA) AND SPOR KEUNZ CLEANING CHEMICALS ARE USED IN GOWNING AREA AND LABS. FINISH MANUFACTURERS TO PLEASE NOTIFY ARCHITECT OF ANY CONCERNS REGARDING COMPATIBILITY PRIOR TO INSTALLATION.

- NOT ALL FINISH MATERIALS/DETAILS THIS SHEET ARE APPICABLE TO SHELL/CORE.

**MFR CONTACT INFO**

| | | | |
|---|---|---|---|
| ALTRO | 1-800-377-5697 | LEES | 1-800-523-5647 |
| CHARTER INDUSTRIES | 1-800-538-9088 | MARLITE | 1-800-377-1221 |
| FLEXCO | 1-800-633-3151 | PANOLAM INDUSTIES | 1-888-375-9255 |
| INPRO CORPORATION | 1-800-222-5056 | USG | 1-800-874-4968 |
| JOHNSONITE | 1-800-899-8916 | | |

# KEYNOTES - FINISH PLAN

| # | DESCRIPTION |
|---|---|
| 1 | EXPOSED CONCRETE STAIR, INTEGRAL DYE, BRUSHED FINISH, ABRASIVE NOSING (SCHLUTER TREP-EKF) |
| 2 | TARKETT RUBBER RISERS AND TREADS. |

# FINISH SELECTIONS

**ACT**

- ACT-1 ARMSTRONG CEILINGS, HIGH PERFORMANCE ACCOUSTIC PERFORMANCE IN LOBBY
- ACT-2 ARMSTRONG CEILINGS, STANDARD 24X24 IN OFFICES, CORRIDORS, AND CONFERENCE ROOMS
- ACT-3 ARMSTRONG CEILINGS,WASHABLE IN KITCHENS, DINING ROOMS, AND BUNK ROOMS

**BLINDS/SHADES**

- SH-1 CIGMA SHADES, MERMET, E SCREEN ME007020 5% OPEN, PEARL/LINEN, HARDWARE: CHARCOAL BRONZE

**CARPET**

- CPT-1 J+J FLOORING. KINETEX, PATTERN: CATALYST 1841, COLOR: CHEMISTRY, SIZE:12" x 24" MODULES. INSTALLATION: TBD
- CPT-3 INTERFACE. COLLECTION: SIMPLE ABSTRACTION. PATTERN:VIDEO SPECTRUM, COLOR: TBD, MODULAR PLANK 9.845" X 39.38" INSTALLATION: HORIZONTAL ASHLAR
- CPT-4 INTERFACE. COLLECTION: REFLECTORS. PATTERN: NIGHT LIGHTS, COLOR: IRON AZURE, MODULAR PLANK 9.845" X 39.38" INSTALLATION: HORIZONTAL ASHLAR

**COMPOSITION FLOORING**

- VCT-1 ARMSTRONG FLOORING. VINYL COMPOSITE TILE. RAFFIA STREAM. COLOR: TBD. TILE SIZE:12"X24" INSTALLATION: MONOLITHIC

**CONCRETE**

- SC-1 SEALED CONCRETE,POLISHED WITH HARDENING SEALER

**LUXURY VINYL TILE**

- LVT-1 INTERFACE. COLLECTION: DESERT SCAPES. PLANT-ASTIC. COLOR: DUNE DUST A02202. MODULAR PLANK 9.845" X 39.38" INSTALLATION: HORIZONTAL ASHLAR
- LVT-2 PATCRAFT. PATTERN: PAINTED WEFT I483V. COLOR: TBD. MODULAR PLANK: 9" X 36" INSTALLATION: BRICK

**PAINT**

- PT-1 SHERWIN WILLIAMS. SW 7069 IRON ORE. SEMI-GLOSS FINISH (TRIM PAINT)
- PT-2 SHERWIN WILLIAMS. SW 7007 CEILING BRIGHT WHITE. FLAT/MATTE FINISH. (GENERAL CEILING PAINT)
- PT-3 SHERWIN WILLIAMS, SW 7029 AGREEABLE GRAY, EGGSHELL FINISH. (MAIN WALL PAINT)
- PT-4 SHERWIN WILLIAMS, SW 0047 STUDIO BLUE GREEN, EGGSHELL FINISH. (ACCENT WALL PAINT)
- PT-6 SHERWIN WILLIAMS. SW 7007 CEILING BRIGHT WHITE. SATIN FINISH. (CEILING PAINT AT RESTROOMS AND SHOWERS)

**PLASTIC LAMINATE**

- PL-1 WILSONART, 4813-60 NICKEL EV (BACK OF HOUSE COUNTERTOPS)
- PL-2 WILSONART, 7939-18 VAPOR STRANDZ. (BACK OF HOUSE CABINETS), NOTE: ONLY USED ON VERTICAL SURFACE OF BASE CABINETS
- PL-3 WILSONART, 8220-38 FRENCH PEAR (AT SPECIALTY MILLWORK CABINETS WITH SOLID SURFACE) NOTE: ONLY USED ON VERTICAL SURFACE OF BASE CABINETS

**PORCELAIN TILE**

- T-1 DALTILE, PORCELAIN FLOOR TILES. DESIGN: MARBLE ATACHE LAVISH. COLOR: DIAMOND CARRARA MA70. FINISH: MATTE, SIZE: 12X24. INSTALLATION: BRICKWORK. GROUT: MAPEI COLOR: TBD. GROUT THICKNESS: 1/8".
- TB-1 DALTILE, BULLNOSE BASE. DESIGN: MARBLE ATACHE LAVISH. COLOR: DIAMOND CARRARA MA70.FINISH: MATTE, SIZE: 3"X24", GROUT: MAPEI COLOR: TBD. GROUT THICKNESS: 1/8".

**RUBBER BASE**

- RB-1 JOHNSONITE, COVE BASE, COLOR: TBD, HEIGHT: 4"

**SOLID SURFACE**

- SS-1 WILSONART, SOLID SURFACE, GREY BEOLA 9218CM. 1/4" ROUND EDGE (RESTROOM, BREAKROOM, KITCHEN, AND DINING COUNTERTOPS)
- SS-2 WILSONART, SOLID SURFACE, BEIGE TRAVERTINE, 9236SS (WINDOW SILLS)

**WALK OFF MAT**

- WM-1 SHAW CONTRACT. PRODUCT: PORTAL TILE 5T035, COLOR: STERLING 34557. CONSTRUCTION: MULTI-LEVEL PATTERN LOOP, FIBER: ECO SOLUTION Q NYLON, BACKING: ECOWORX TILE.RADIANT PANEL: CLASS 1, NBS SMOKE: LESS THAN 450. TILE SIZE: 24"X24", INSTALLATION: MONOLITHIC. NOTE: INSET.

**WALL TILE**

- T-2 DALTILE, PORCELAIN FLOOR TILES, DESIGN :MARBLE ATACHE LAVISH. COLOR: DIAMOND CARRARA MA70. FINISH: POLISHED, SIZE: 12X24, INSTALLATION: BRICKWORK. GROUT: MAPEI COLOR: TBD. GROUT THICKNESS: 1/8".

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| D | 90% CDs | |
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VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

3RD FLOOR - FINISH PLAN

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER 470-20-02

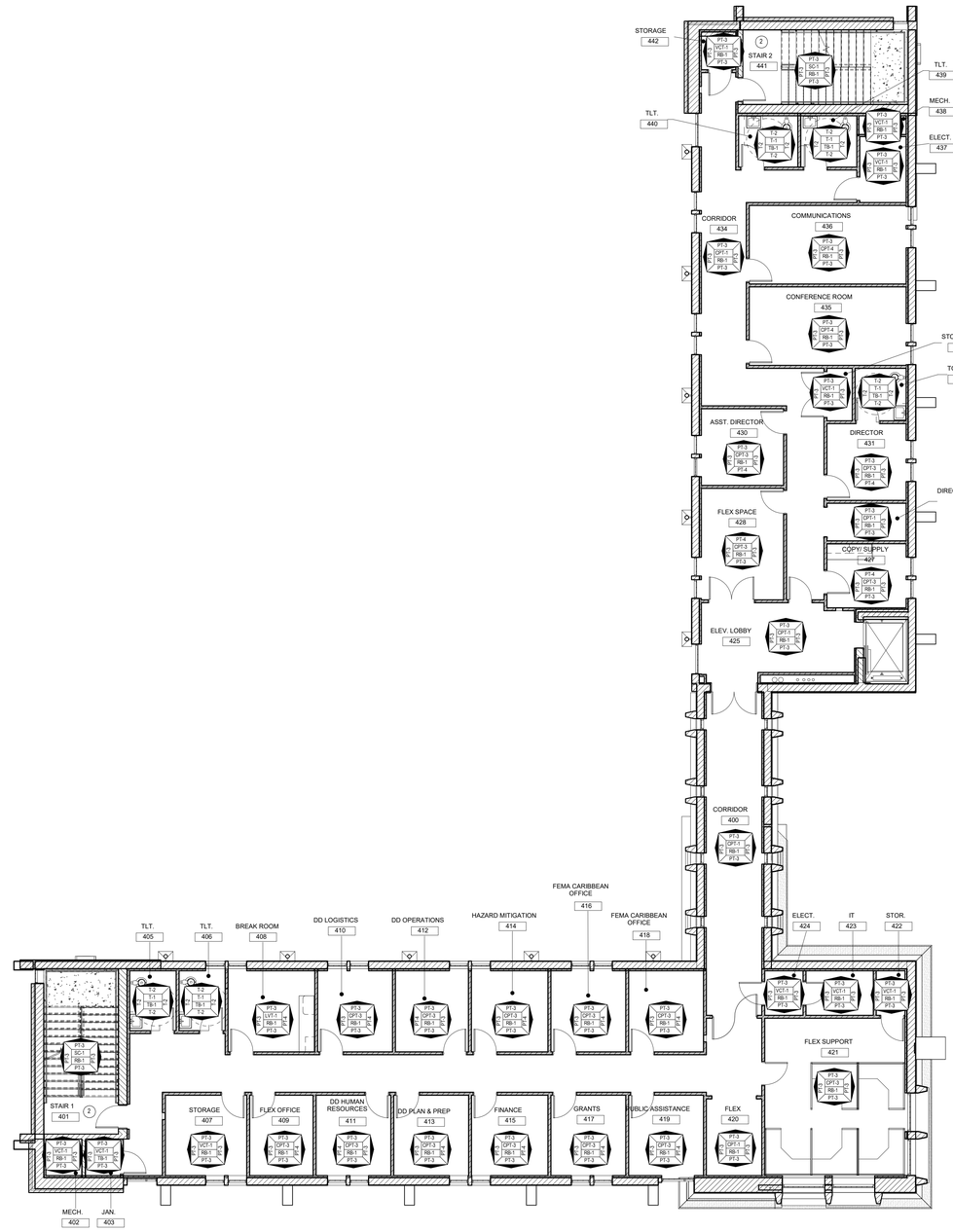
ODR PROJECT NUMBER 4340-0010

SHEET NUMBER A803

30% CONSTRUCTION DOCUMENTS

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**A1** 4TH FLOOR FINISH PLAN

A804 1/8" = 1'-0"

# FINISH SYMBOLS LEGEND

**GENERAL**

- ROOM NAME & NUMBER (ROOM NAME 100)
- STANDARD FINISH SYMBOL - REFER TO PLAN (WALL / FLOOR / BASE / WALL)
- ACCENT FINISH (X)
- DIRECTION OF GRAIN/ LINEARITY OF FINISH
- SAME HEIGHT TRANSITION
- DIFFERENT HEIGHT TRANSITION
- NOT IN SCOPE

**FLOORING**

- LUXURY VINYL TILE RT-1A, RT-4A, RT-5A
- VINYL COMPOSITION TILE RT-2A
- STATIC DISSIPATIVE TILE RT-3A
- GENERAL CARPET CPT-1A
- ACCENT CARPET CPT-2A
- ACCENT CARPET CPT-3A
- PORCELAIN TILE TL-1
- KINETEX KX-1
- EXISTING CONCRETE. TO BE CLEANED AND RESEALED - CON
- COMPOSITION/EPOXIY FLOORING CMP-1A
- WALK-OFF MAT WOM-1A

**CORNER GUARD INSTALLATION**

- 90° CORNER GUARD PROVIDE AT CORNER - HEIGHT PER FINISH LEGEND
- 90° CORNER GUARDS PROVIDE TWO AT ENDWALL LOCATIONS
- 90° CORNER GUARDS PROVIDE AT ALL EXPOSED COLUMN CORNERS
- 135° CORNER GUARD PROVIDE AT CORNER - HEIGHT PER FINISH LEFEND

# GENERAL FINISH NOTES

1. INSTALL TRANSITION STRIPS BETWEEN DISSIMILAR FLOOR FINISHES. SELECT APPROPRIATE DETAIL FOR SURFACE TYPES, SEE DETAILS THIS SHEET
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4. FINISHES TO MEET FLAME SPREAD AND SMOKE DEVELOPED RATINGS PER CODE.
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| INPRO CORPORATION | 1-800-222-5056 | USG | 1-800-874-4968 |
| JOHNSONITE | 1-800-899-8916 | | |

# KEYNOTES - FINISH PLAN

| # | DESCRIPTION |
|---|---|
| 1 | EXPOSED CONCRETE STAIR, INTEGRAL DYE, BRUSHED FINISH, ABRASIVE NOSING (SCHLUTER TREP-EKF) |
| 2 | TARKETT RUBBER RISERS AND TREADS. |

# FINISH SELECTIONS

**ACT**

- ACT-1 ARMSTRONG CEILINGS, HIGH PERFORMANCE ACCOUSTIC PERFORMANCE IN LOBBY
- ACT-2 ARMSTRONG CEILINGS, STANDARD 24X24 IN OFFICES, CORRIDORS, AND CONFERENCE ROOMS
- ACT-3 ARMSTRONG CEILINGS,WASHABLE IN KITCHENS, DINING ROOMS, AND BUNK ROOMS

**BLINDS/SHADES**

- SH-1 CIGMA SHADES, MERMET, E SCREEN ME007020 5% OPEN, PEARL/LINEN, HARDWARE: CHARCOAL BRONZE

**CARPET**

- CPT-1 J+J FLOORING. KINETEX, PATTERN: CATALYST 1841, COLOR: CHEMISTRY, SIZE:12" x 24" MODULES. INSTALLATION: TBD
- CPT-3 INTERFACE. COLLECTION: SIMPLE ABSTRACTION. PATTERN:VIDEO SPECTRUM, COLOR: TBD, MODULAR PLANK 9.845" X 39.38" INSTALLATION: HORIZONTAL ASHLAR
- CPT-4 INTERFACE. COLLECTION: REFLECTORS. PATTERN: NIGHT LIGHTS, COLOR: IRON AZURE, MODULAR PLANK 9.845" X 39.38" INSTALLATION: HORIZONTAL ASHLAR

**COMPOSITION FLOORING**

- VCT-1 ARMSTRONG FLOORING. VINYL COMPOSITE TILE. RAFFIA STREAM. COLOR: TBD. TILE SIZE:12"X24" INSTALLATION: MONOLITHIC

**CONCRETE**

- SC-1 SEALED CONCRETE,POLISHED WITH HARDENING SEALER

**LUXURY VINYL TILE**

- LVT-1 INTERFACE. COLLECTION: DESERT SCAPES. PLANT-ASTIC. COLOR: DUNE DUST A02202. MODULAR PLANK 9.845" X 39.38" INSTALLATION: HORIZONTAL ASHLAR
- LVT-2 PATCRAFT. PATTERN: PAINTED WEFT I480V. COLOR: TBD. MODULAR PLANK: 9" X 36" INSTALLATION: BRICK

**PAINT**

- PT-1 SHERWIN WILLIAMS. SW 7069 IRON ORE. SEMI-GLOSS FINISH (TRIM PAINT)
- PT-2 SHERWIN WILLIAMS. SW 7007 CEILING BRIGHT WHITE. FLAT/MATTE FINISH. (GENERAL CEILING PAINT)
- PT-3 SHERWIN WILLIAMS, SW 7029 AGREEABLE GRAY, EGGSHELL FINISH. (MAIN WALL PAINT)
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**PLASTIC LAMINATE**

- PL-1 WILSONART, 4813-60 NICKEL EV (BACK OF HOUSE COUNTERTOPS)
- PL-2 WILSONART, 7939-18 VAPOR STRANDZ. (BACK OF HOUSE CABINETS), NOTE: ONLY USED ON VERTICAL SURFACE OF BASE CABINETS
- PL-3 WILSONART, 8220-38 FRENCH PEAR (AT SPECIALTY MILLWORK CABINETS WITH SOLID SURFACE) NOTE: ONLY USED ON VERTICAL SURFACE OF BASE CABINETS

**PORCELAIN TILE**

- T-1 DALTILE, PORCELAIN FLOOR TILES, DESIGN: MARBLE ATACHE LAVISH, COLOR: DIAMOND CARRARA MA70. FINISH: MATTE, SIZE: 12X24, INSTALLATION: BRICKWORK. GROUT: MAPEI COLOR: TBD. GROUT THICKNESS: 1/8".
- TB-1 DALTILE, BULLNOSE BASE. DESIGN: MARBLE ATACHE LAVISH. COLOR: DIAMOND CARRARA MA70.FINISH: MATTE, SIZE: 3"X24", GROUT: MAPEI COLOR: TBD. GROUT THICKNESS: 1/8".

**RUBBER BASE**

- RB-1 JOHNSONITE, COVE BASE, COLOR: TBD, HEIGHT: 4"

**SOLID SURFACE**

- SS-1 WILSONART, SOLID SURFACE, GREY BEOLA 9218CM. 1/4" ROUND EDGE (RESTROOM, BREAKROOM, KITCHEN, AND DINING COUNTERTOPS)
- SS-2 WILSONART, SOLID SURFACE, BEIGE TRAVERTINE, 9236SS (WINDOW SILLS)

**WALK OFF MAT**

- WM-1 SHAW CONTRACT. PRODUCT: PORTAL TILE 5T035. COLOR: STERLING 34557. CONSTRUCTION: MULTI-LEVEL PATTERN LOOP. FIBER: ECO SOLUTION Q NYLON, BACKING: ECOWORX TILE RADIANT PANEL: CLASS 1, NBS SMOKE: LESS THAN 450. TILE SIZE: 24"X24", INSTALLATION: MONOLITHIC. NOTE: INSET.

**WALL TILE**

- T-2 DALTILE, PORCELAIN FLOOR TILES, DESIGN :MARBLE ATACHE LAVISH. COLOR: DIAMOND CARRARA MA70. FINISH: POLISHED, SIZE: 12X24, INSTALLATION: BRICKWORK. GROUT: MAPEI COLOR: TBD. GROUT THICKNESS: 1/8".

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GOVERNMENT OF THE UNITED STATES VIRGIN ISLANDS

OFFICE OF DISASTER RECOVERY — ST. CROIX · ST. THOMAS · ST. JOHN · VIRGIN ISLANDS OF THE UNITED STATES

VIRGIN ISLANDS TERRITORIAL EMERGENCY MANAGEMENT AGENCY

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SUBMISSIONS:

| Ref | Description | Date |
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| A | Schematic | 03.04.2022 |
| B | 30% CDs | 08.18.2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA — Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

4TH FLOOR - FINISH PLAN

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: Author

CHECKED BY: Checker

DATE: August 18, 2022

NOVUS JOB NUMBER 470-20-02

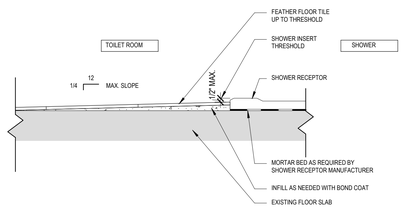
ODR PROJECT NUMBER 4340-0010

SHEET NUMBER A804

30% CONSTRUCTION DOCUMENTS

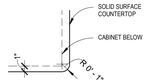
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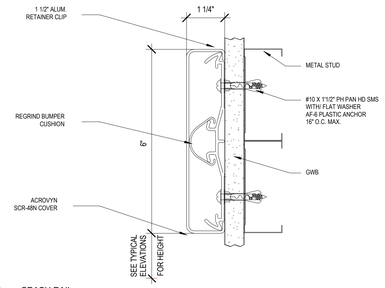

**E1** SHOWER THRESHOLD AT FLOOR TILE

A805 1 1/2" = 1'-0"



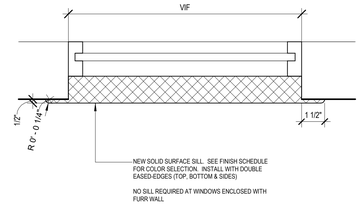

**E3** COUNTERTOP DETAIL

A805 1 1/2" = 1'-0"



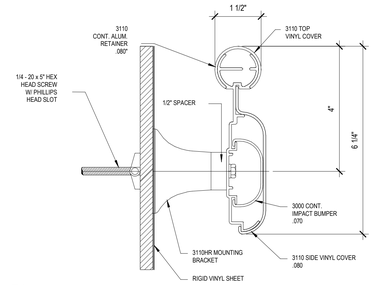

**E5** CRASH RAIL

A805 6" = 1'-0"




**E7** ENLARGED WINDOW SILL PLAN

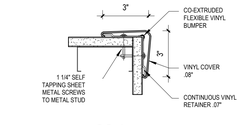
A805 3" = 1'-0"



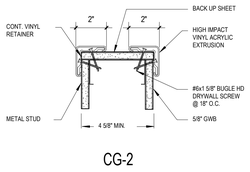

**E9** HANDRAIL DETAIL

A805 6" = 1'-0"

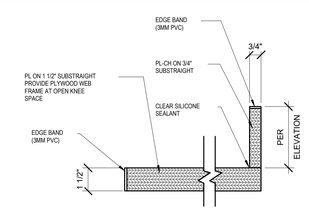
HR-1




CG-1



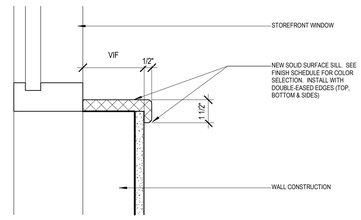

CG-2




NOTE:
1. 3MM PVC EDGEBANDING ON ALL EXPOSED COUNTERTOP AND BACKSPLASH EDGES, STANDARD. EDGE BANDING TO MATCH ADJACENT ADJOINING LAMINATE.
2. PROVIDE SPLASH AT ALL WALLS

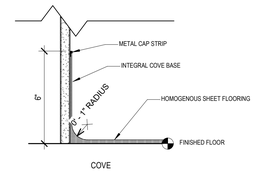
**D3** PLASTIC LAMINATE COUNTERTOP DETAIL

A805 3" = 1'-0"




**D5** SECTION @ SOLID SURFACE WINDOW SILL

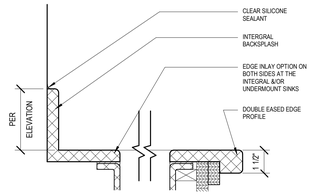
A805 3" = 1'-0"




COVE

**D7** SHEET VINYL COVE BASE DETAIL

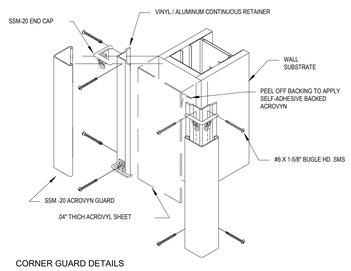
A805 3" = 1'-0"




NOTE:
1. COVED BACK SPLASH
2. PROVIDE 1/4" SINK INLAY EDGE. GLUE THE SOLID SURFACE INLAY TO THE BOTTOM AND SIDES OF THE ROUTED AREA WITH HARD SEAM ADHESIVE.
3. REFER TO TYPICAL ANCHORAGE REQUIRMENTS

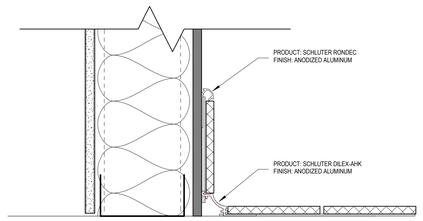
**D9** SOLID SURFACE COUNTERTOP DETAIL

A805 3" = 1'-0"



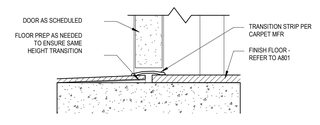

**C1** CORNER GUARD DETAILS

A805 3" = 1'-0"



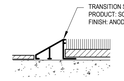

**C3** TILE BASE TRIM PROFILE DETAIL

A805 3" = 1'-0"



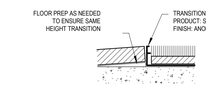

**C5** TRANSITION DETAIL - AT DOOR

A805 3" = 1'-0"



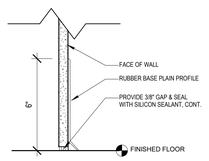

**C7** TRANSITION DETAIL - DIFFERENT HEIGHTS

A805 12" = 1'-0"



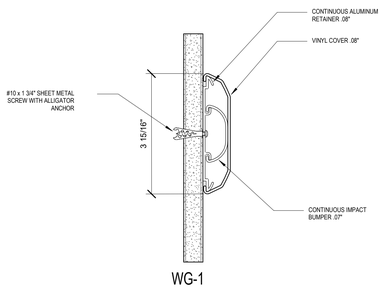

**C9** TRANSITION DETAIL - SAME HEIGHT

A805 12" = 1'-0"




**B1** WALL BASE DETAIL

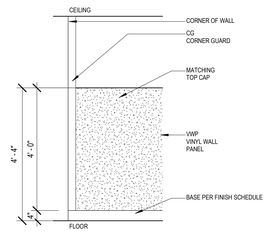
A805 3" = 1'-0"




WG-1

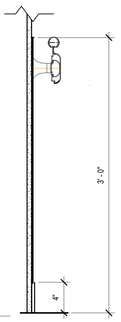
**B3** WALL GUARD DETAIL

A805 6" = 1'-0"



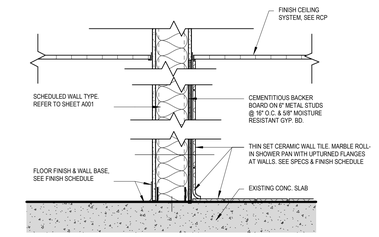

**B5** WALL PROTECTION ELEVATION

A805 1/2" = 1'-0"




**B7** WALL PROTECTION SECTION DETAIL

A805 1 1/2" = 1'-0"




**B9** WET WALL TILE DETAIL

A805 1" = 1'-0"

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VITEMA

Wind Retrofit & Safe Room

Plot No. 102-A Remainder, 102-B, 102-C Estate Hermon Hill

INTERIOR FINISH DETAILS

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: SRL

CHECKED BY: JLT

DATE: August 18, 2022

NOVUS JOB NUMBER
470-20-02

ODR PROJECT NUMBER
4340-0010

SHEET NUMBER
A805

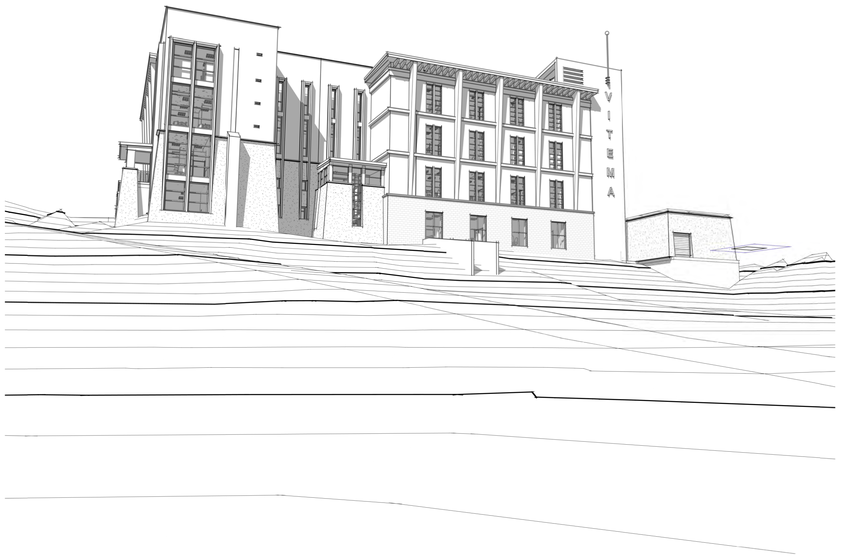
30% CONSTRUCTION DOCUMENTS

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1 VIEW FROM APPROACH Copy 1

A901




2 JLT MASSING STUDY 5 - FROM SITE ENTRANCE Copy 1

A901

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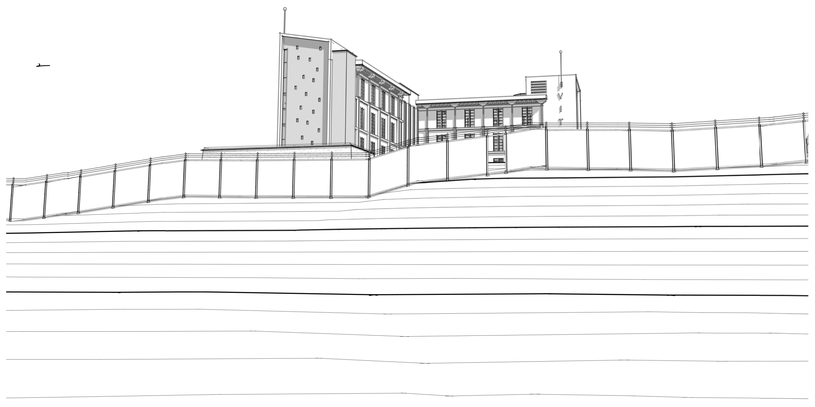

**1** JLT MASSING STUDY 4 - NORTHWEST PARKING LOT Copy 1

A902



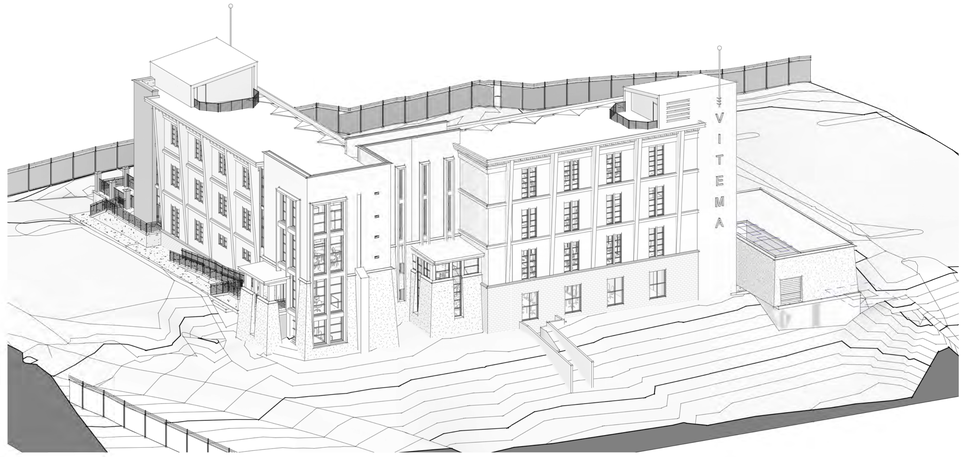

**3** JLT MASSING STUDY 2 - SOUTHEAST Copy 1

A902




**2** JLT MASSING STUDY 3 - NORTHWEST AFAR Copy 1

A902




**4** JLT Massing Studies Copy 1

A902

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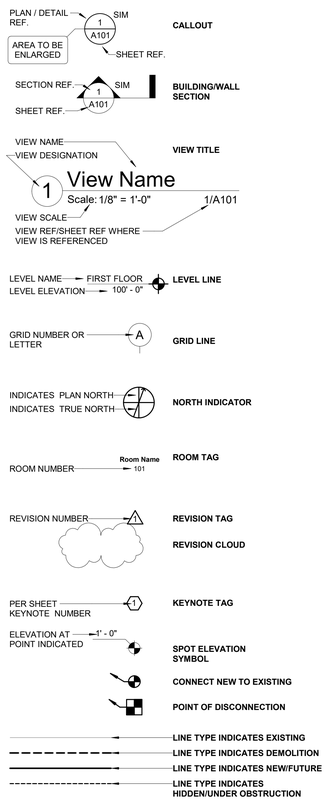
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## STANDARD DETAILING SYMBOLS




## ABBREVIATIONS - FIRE PROTECTION

| | |
|---|---|
| ABD | AUTOMATIC BALL DRIP |
| AD | AREA DRAIN |
| AFF | ABOVE FINISHED FLOOR |
| AFP | AUTOMATIC FIRE PUMP |
| ARCH | ARCHITECTURAL |
| ATS | AUTOMATIC TRANSFER SWITCH |
| BLDG | BUILDING |
| BOP | BOTTOM OF PIPE |
| CFM | CUBIC FEET PER MINUTE |
| CLG | CEILING |
| CONN | CONNECTION |
| CONT | CONTINUE/CONTINUATION |
| CV | CHECK VALVE |
| DCDA | DOUBLE CHECK DETECTOR ASSEMBLY BACKFLOW PREVENTER |
| DCV | DOUBLE CHECK VALVE BACKFLOW PREVENTER |
| DIA | DIAMETER |
| DN | DOWN (PENETRATES FLOOR SLAB) |
| DR | DRAIN |
| DWG | DRAWING |
| E | EXISTING |
| EL | ELEVATION |
| EXIST/EX | EXISTING |
| F | FIRE WATER PIPING |
| FCVA | FLOOR CONTROL VALVE ASSEMBLY |
| FD | FLOOR DRAIN |
| FDC | FIRE DEPARTEMENT CONNECTION |
| FHC | FIRE HOSE CABINET |
| FHR | FIRE HOSE RACK |
| FHV | FIRE HOSE VALVE |
| FL | FLOOR |
| FS | FLOW SWITCH |
| FSP | FIRE STANDPIPE |
| FT | FOOT/FEET |
| FVC | FIRE HOSE VALVE CABINET |
| G.C. | GENERAL CONTRACTOR |
| GAL | GALLONS |
| GPM | GALLONS PER MINUTE |
| GV | GATE VALVE |
| HCLG | HUNG CEILING |
| HD | HEAT DETECTOR |
| ID | INSIDE DIAMETER |
| IN. | INCH |
| INV | INVERT ELEVATION |
| JP | JOCKEY PUMP |
| MAX | MAXIMUM |
| MIN | MINIMUM |
| N.A.S. | NO AUTOMATIC SPRINKLERS |
| N.C. | NORMALLY CLOSED |
| N.I.C. | NOT IN CONTRACT |
| N.O. | NORMALLY OPEN |
| N.T.S. | NOT TO SCALE |
| N/A | NOT APPLICABLE |
| NFPA | NATIONAL FIRE PROTECTION ASSOCIATION |
| OD | OUTSIDE DIAMETER |
| OS&Y | OUTSIDE SCREW & YOKE GATE VALVE |
| PC | PLUMBING CONTRACTOR |
| PRHV | PRESSURE REGULATING HOSE VALVE |
| PRV | PRESSURE REDUCING VALVE |
| PSI | POUNDS PER SQUARE INCH (GAUGE) |
| PSI.A | POUNDS PER SQUARE INCH (ABSOLUTE) |
| RCV | RISER CONTROL VALVE |
| RPZ | REDUCED PRESSURE ZONE BACKFLOW PREVENTER |
| SD | SMOKE DETECTOR |
| SP | SPRINKLER OR SPRINKLER PIPING |
| SPDR | STANDPIPE DRAIN |
| SQFT | SQUARE FEET |
| T & D | TEST AND DRAIN CONNECTION |
| T.O.P. | TOP OF PIPE |
| T.O.S | TOP OF SLAB |
| T.T.B. | TIGHT TO BEAM |
| T.T.S. | TIGHT TO SLAB |
| TS | TAMPER SWITCH |
| TYP | TYPICAL |
| UNO | UNLESS NOTED OTHERWISE |
| UP | UP (PENETRATES FLOOR SLAB) |
| VIF | VERIFY IN FIELD |
| W/ | WITH |
| WFS | WATER FLOW SWITCH |
| Z | ZONE |

## DRAWING LIST - FIRE PROTECTION


F-001 FIRE PROTECTION SYMBOLS, ABBREVIATIONS & NOTES
F-101 BASEMENT FIRE PROTECTION PIPING PLAN
F-111 FIRST FLOOR FIRE PROTECTION PIPING PLAN
F-121 SECOND FLOOR FIRE PROTECTION PIPING PLAN
F-131 THIRD FLOOR FIRE PROTECTION PIPING PLAN
F-141 FOURTH FLOOR FIRE PROTECTION PIPING PLAN
F-151 ROOF FIRE PROTECTION PIPING PLAN
F-601 SCHEDULES
F-901 RISER DIAGRAMS

TOTAL SHEETS: 9

| SYMB | NAME | METAL | TEMP | K | NPT | ORIF | MFG. | APPROVAL | MIN. SPACING | MAX. SPACING | RESPONSE | ESCUT | MODEL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|


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FIRE PROTECTION SYMBOLS, ABBREVIATIONS & NOTES

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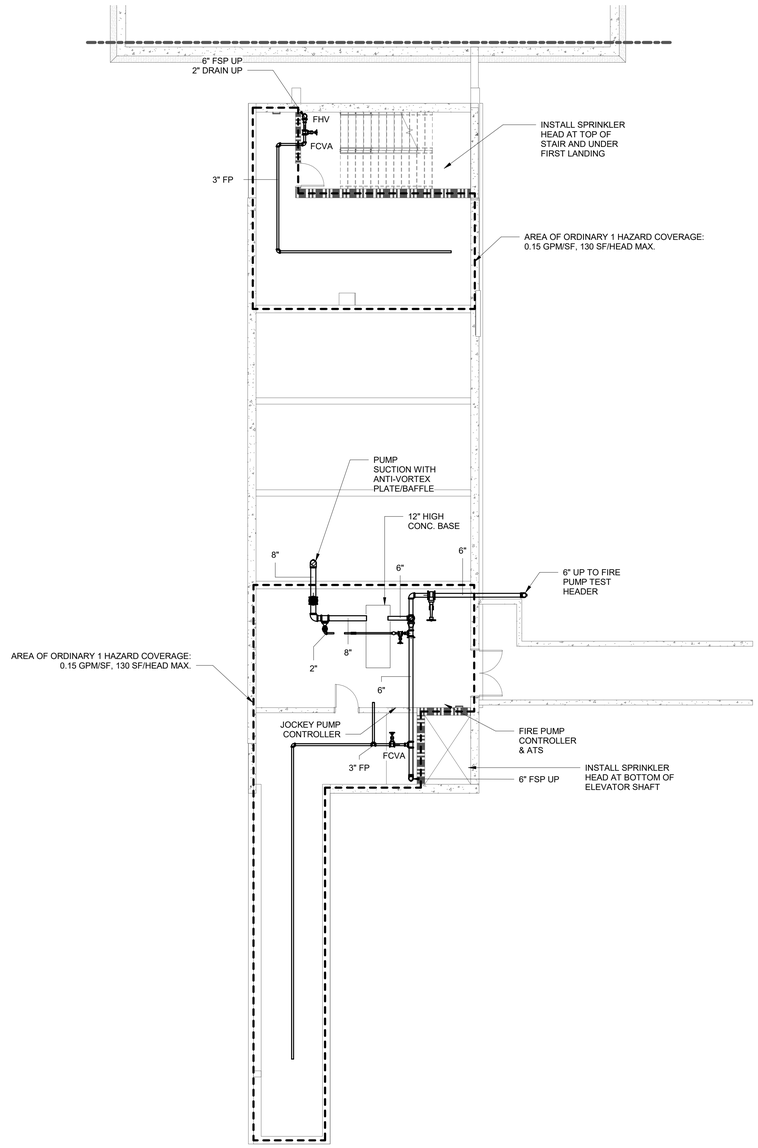
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CHECKED BY: GM
DATE: 08/18/2022

NOVUS JOB NUMBER
2018_0801

SHEET NUMBER
F-001




1 BASEMENT FIRE PROTECTION PIPING PLAN

Scale: 1/8" = 1'-0"

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BASEMENT FIRE PROTECTION PIPING PLAN

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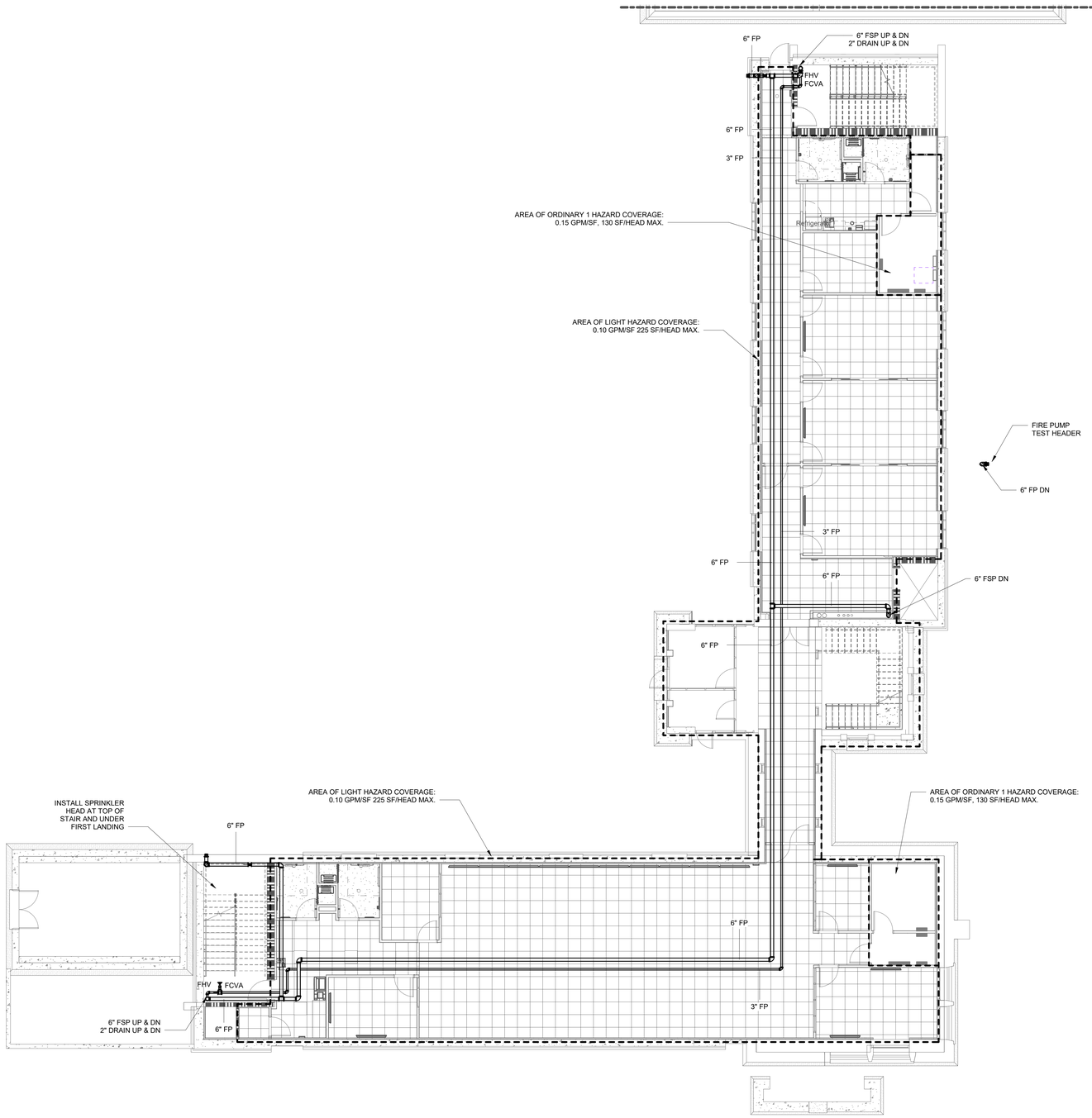
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1 FIRST FLOOR FIRE PROTECTION PIPING PLAN
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FIRST FLOOR FIRE PROTECTION PIPING PLAN

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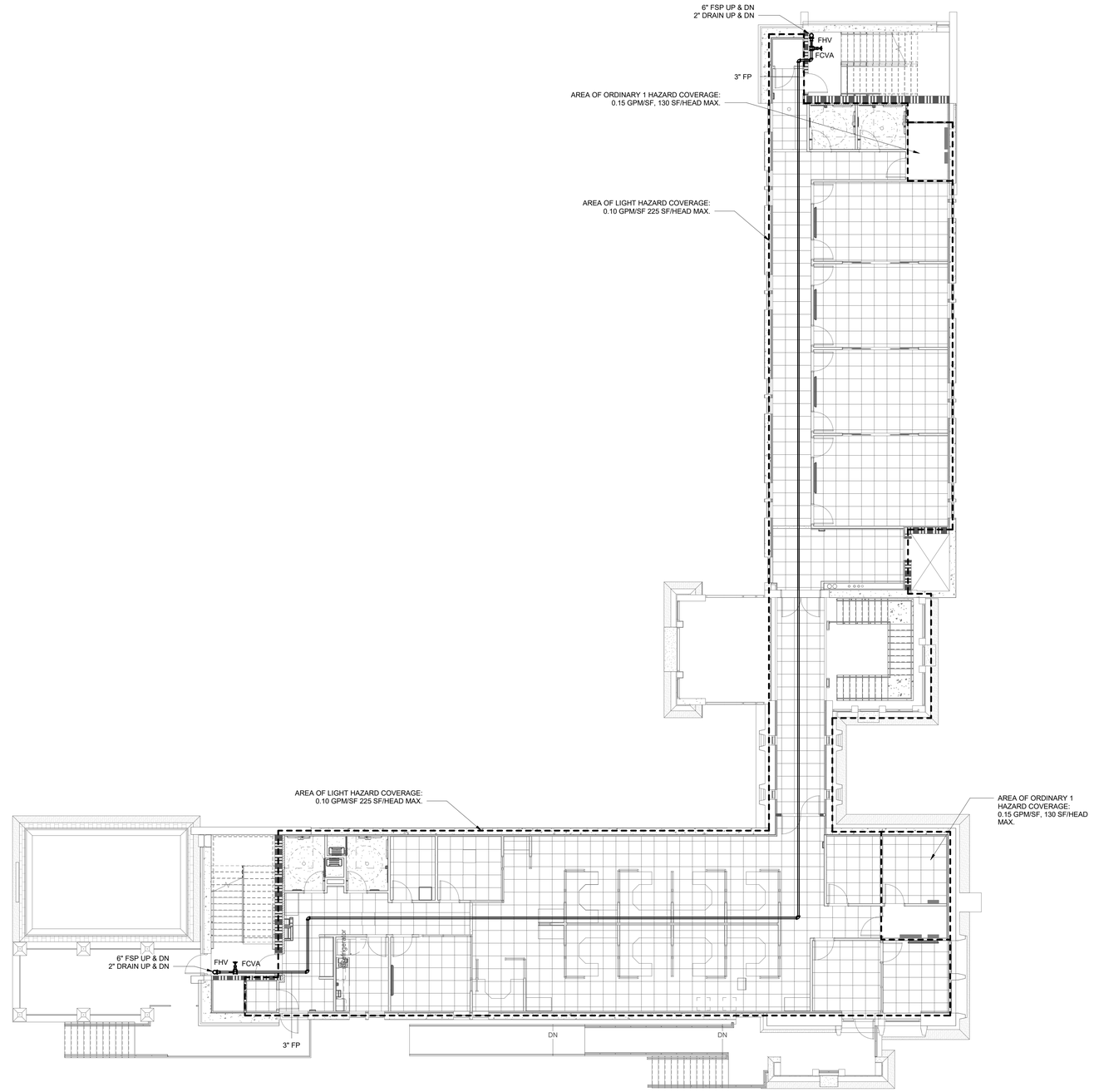
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|---|---|---|
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DATE: 08/18/2022

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SHEET NUMBER
F-111




1 SECOND FLOOR FIRE PROTECTION PIPING PLAN
Scale: 1/8" = 1'-0"

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Wind Retrofit & Safe Room

SECOND FLOOR FIRE PROTECTION PIPING PLAN

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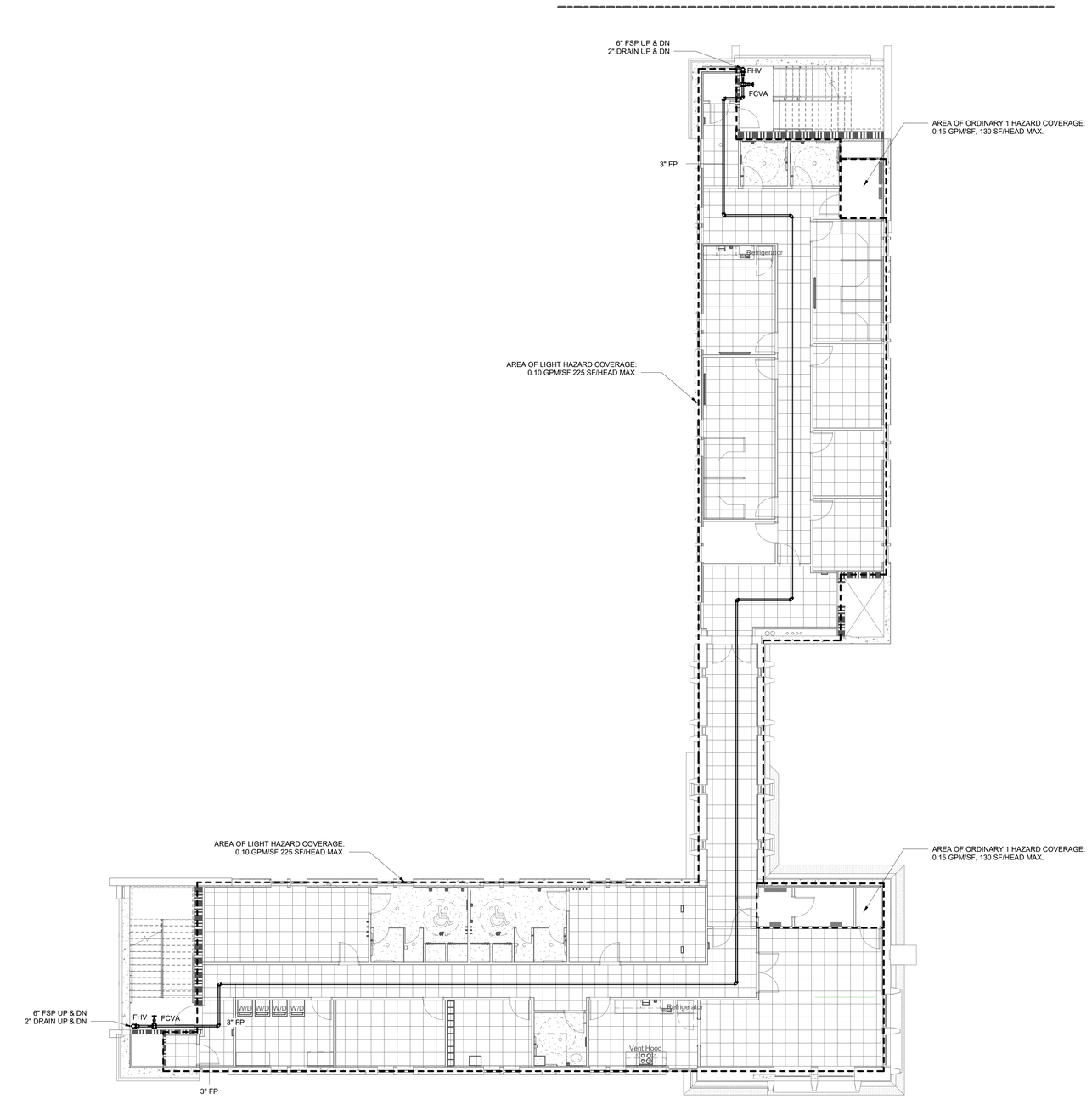
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2018_0801

SHEET NUMBER
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1 THIRD FLOOR FIRE PROTECTION PIPING PLAN
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THIRD FLOOR FIRE PROTECTION PIPING PLAN

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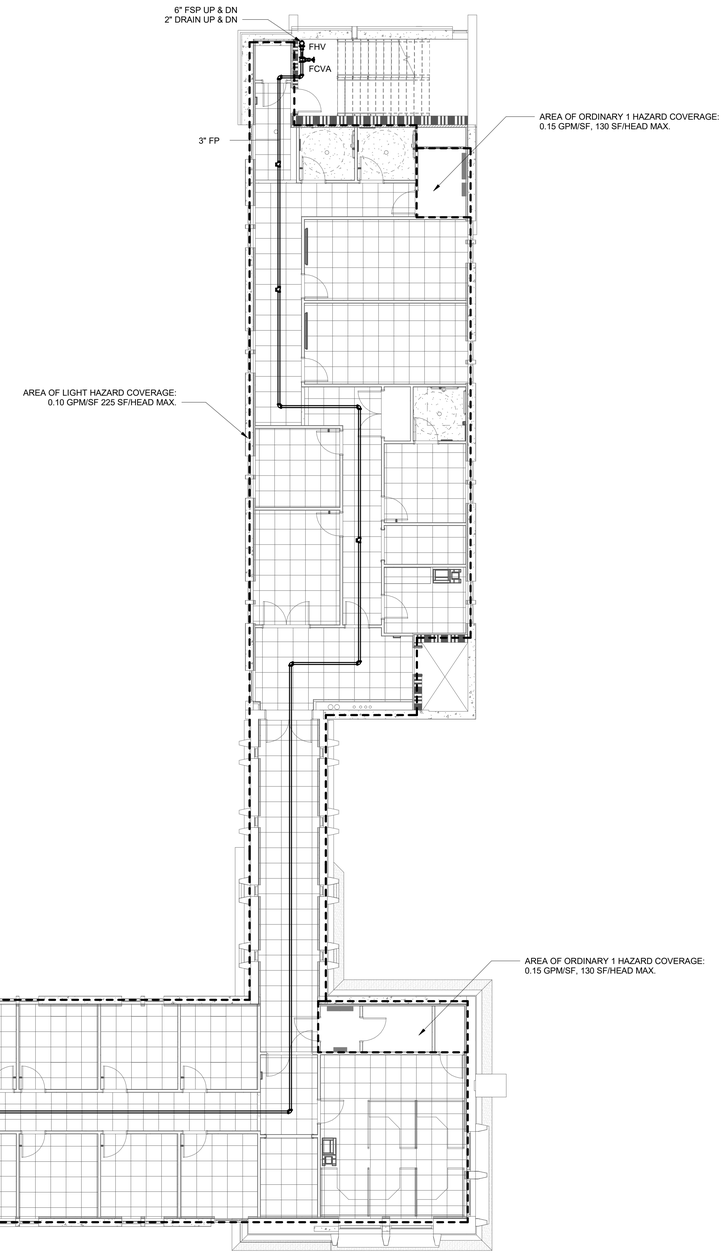
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1 FOURTH FLOOR FIRE PROTECTION PIPING PLAN
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FOURTH FLOOR FIRE PROTECTION PIPING PLAN

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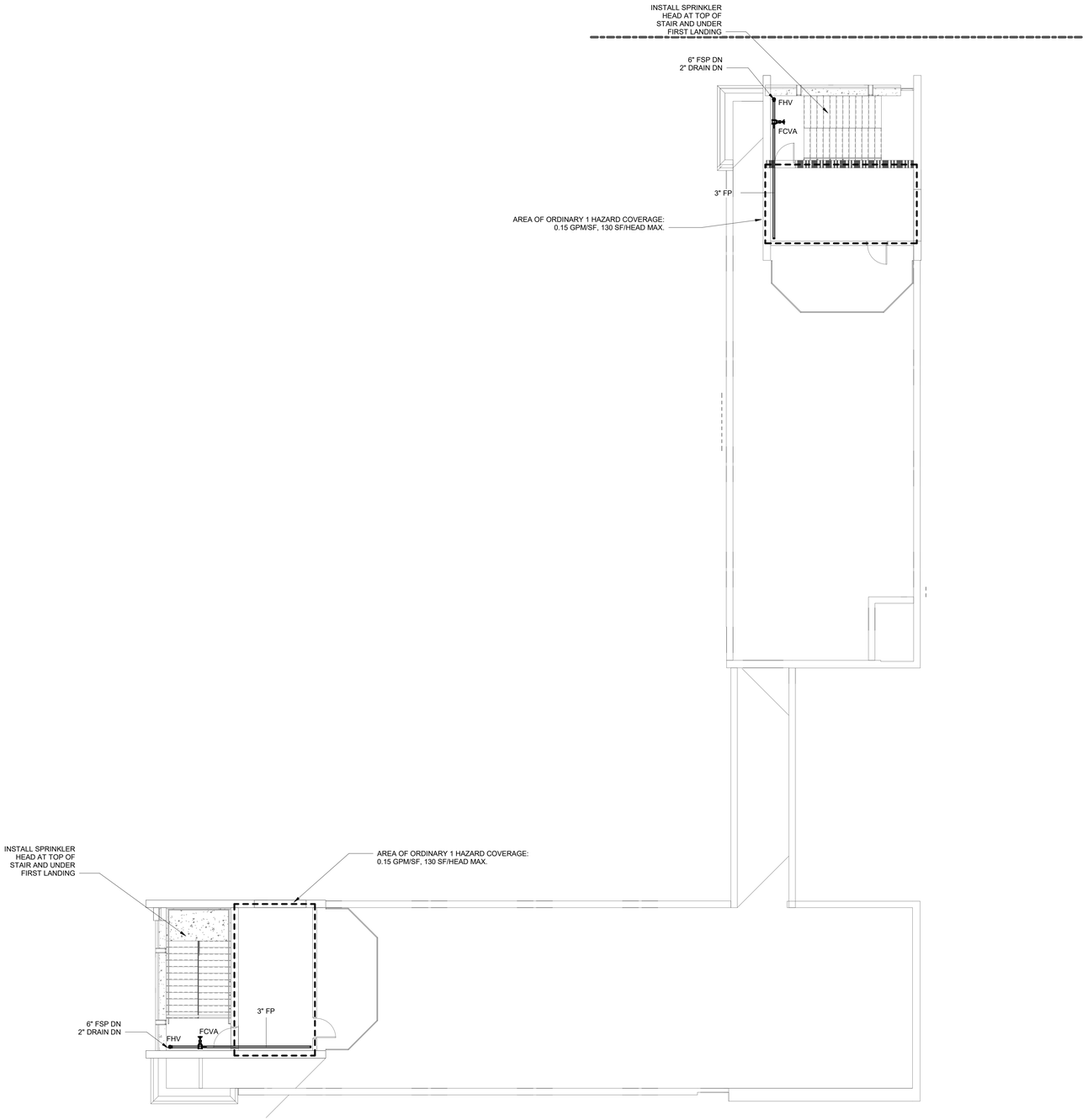
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1 ROOF FIRE PROTECTION PIPING PLAN
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SHEET NUMBER
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| ELECTRIC DRIVEN FIRE PUMP SCHEDULE | | | | | | | | | | | | | | AC/XYLEM AS STANDARD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TAG | SERVICE | TYPE | RATED FLOW (GPM) | HEAD (PSI) | IMP. DIA. (IN.) | RPM | POWER AT DUTY (BHP) | NSPHr @ DUTY (FT.) | HEAD AT 150% FLOW (PSI) | CLOSED VALVE HEAD (PSI) | MOTOR HP | V/HZ/PH | MODEL | NOTES |
| FP-1 | BUILDING STANDPIPE AND FIRE SPRINKLER | HORIZONTAL SPLIT CASE | 750 | 140 | 13.374 | 1785 | 84.8 | 7.19 | 105 | 168 | 100 | 208/60/3 | 8x6x14F | PROVIDE FIRE PUMP CONTROLLER WITH INTEGRAL ATS AND SOFT START, SIMILAR TO TORNATECH GPS+GPU |

| JOCKEY PUMP SCHEDULE | | | | | | | | | AC/XYLEM AS STANDARD |
|---|---|---|---|---|---|---|---|---|---|
| TAG | SERVICE | TYPE | RATED FLOW (GPM) | HEAD (PSI) | RPM | MOTOR HP | V/HZ/PH | MODEL | NOTES |
| JP-1 | BUILDING STANDPIPE AND FIRE SPRINKLER | VERTICAL MULTI-STAGE | 7.5 | 146 | 3500 | 1-1/2 | 208/60/3 | e-SV 1SV-13 | PROVIDE JOCKEY PUMP CONTROLLER SIMILAR TO TORNATECH JP3 |

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SCHEDULES

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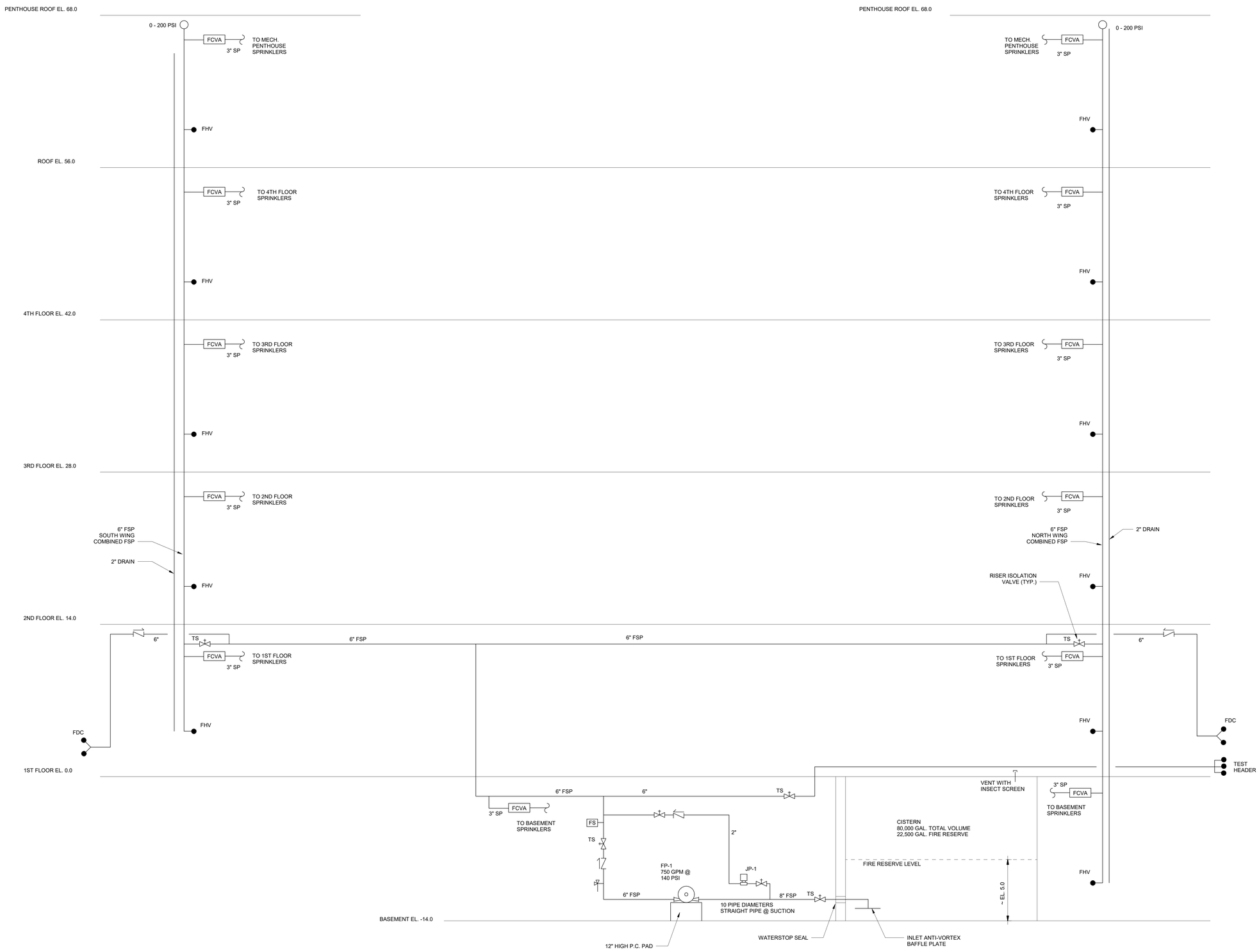
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1 FIRE PROTECTION RISER DIAGRAM

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RISER DIAGRAMS

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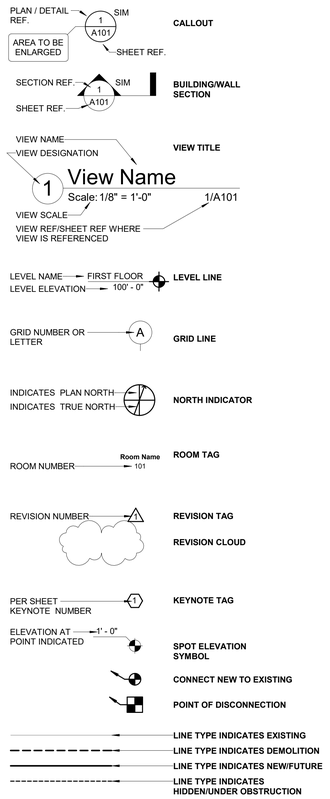
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## STANDARD DETAILING SYMBOLS




## ABBREVIATIONS - PLUMBING

| | |
|---|---|
| AD | AREA DRAIN |
| BF | BALANCING FITTING |
| BFP | BACKFLOW PREVENTER VALVE |
| BLV | GLOBE VALVE |
| BP | BOOSTER PUMP |
| BTV | BUTTERFLY VALVE |
| BV | BALL VALVE |
| CD | CONDENSATE DRAIN |
| CEB | CONCRETE EQUIPMENT BASE |
| CI | CAST IRON |
| CKV | CHECK VALVE |
| CO | CLEANOUT |
| CP | CIRCULATING PUMP |
| D | DRAIN LINE |
| DCW | COLD WATER |
| DF | DRINKING FOUNTAIN |
| DHW | HOT WATER |
| DHWR | HOT WATER RETURN |
| DN | DOWN |
| DSN | DOWNSPOUT NOZZEL |
| DSS | DOWNSPOUT SHOE |
| DT | DRAIN TILE |
| DWH | DOMESTIC WATER HEATER |
| ES | EMERGENCY SHOWER / EYEWASH |
| ESTV | EMERGENCY SHOWER TEMPERING VALVE |
| EWC | ELECTRIC WATER COOLER |
| EXT | EXPANSION TANK |
| FBO | FURNISHED BY OWNER |
| FCO | FLOOR CLEANOUT |
| FD | FLOOR DRAIN |
| FL | FIRE LINE |
| FS | FLOOR SINK |
| G | NATURAL GAS |
| GI | GREASE INTERCEPTOR |
| HB | HOSE BIBB |
| INV | INVERT ELEVATION |
| L | LAVATORY |
| LI | LINT INTERCEPTOR |
| LT | LAUNDRY TUB |
| MSB | MOP SINK BASIN |
| NC | NORMALLY CLOSED |
| NIC | NOT IN CONTRACT |
| OFRD | OVERFLOW ROOF DRAIIN |
| OI | OIL INTERCEPTOR |
| OS & Y | OUTSIDE SCREW & YOKE |
| OSW | OPEN SITE WASTE |
| PD | PUMP DISCHARGE |
| PRV | PRESSURE REDUCING VALVE |
| PT | PLASTER TRAP |
| PVC | POLYVINYL CHLORIDE |
| RD | ROOF DRAIN |
| SAN | SANITARY SEWER (EXTERIOR) |
| SCW | SOFT COLD WATER |
| SH | SHOWER |
| SK | SINK |
| SL | SECURITY LAVATORY |
| SP | SUMP PUMP |
| SS | SANITARY SEWER |
| ST | STORM SEWER / STORM DRAIN |
| STM | STEAM |
| SWC | SECURITY WATER CLOSET |
| SWC/L | SECURITY WATER CLOSET |
| SWH | STEAM WATER HEATER |
| TD | TRENCH DRAIN |
| TMV | THERMOSTATIC MIXING VALVE |
| TW | TEMPERED WATER |
| TYP | TYPICAL |
| UR | URINAL |
| V | VENT |
| VTR | VENT THROUGH ROOF |
| W | WASTE |
| WC | WATER CLOSET |
| WCO | WALL CLEANOUT |
| WH | WALL HYDRANT |
| WM | WATER METER |
| WS | WATER SOFTENER |
| YCO | YARD CLEANOUT |

## DRAWING LIST - PLUMBING


P-001 PLUMBING SYMBOLS, ABBREVIATIONS & NOTES
P-101 BASEMENT PLUMBING PLAN
P-111 FIRST FLOOR PLUMBING PLAN
P-121 SECOND FLOOR PLUMBING PLAN
P-131 THIRD FLOOR PLUMBING PLAN
P-141 FOURTH FLOOR PLUMBING PLAN
P-151 ROOF PLUMBING PLAN
P-601 SCHEDULES
P-901 RISER DIAGRAMS

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PLUMBING SYMBOLS, ABBREVIATIONS & NOTES

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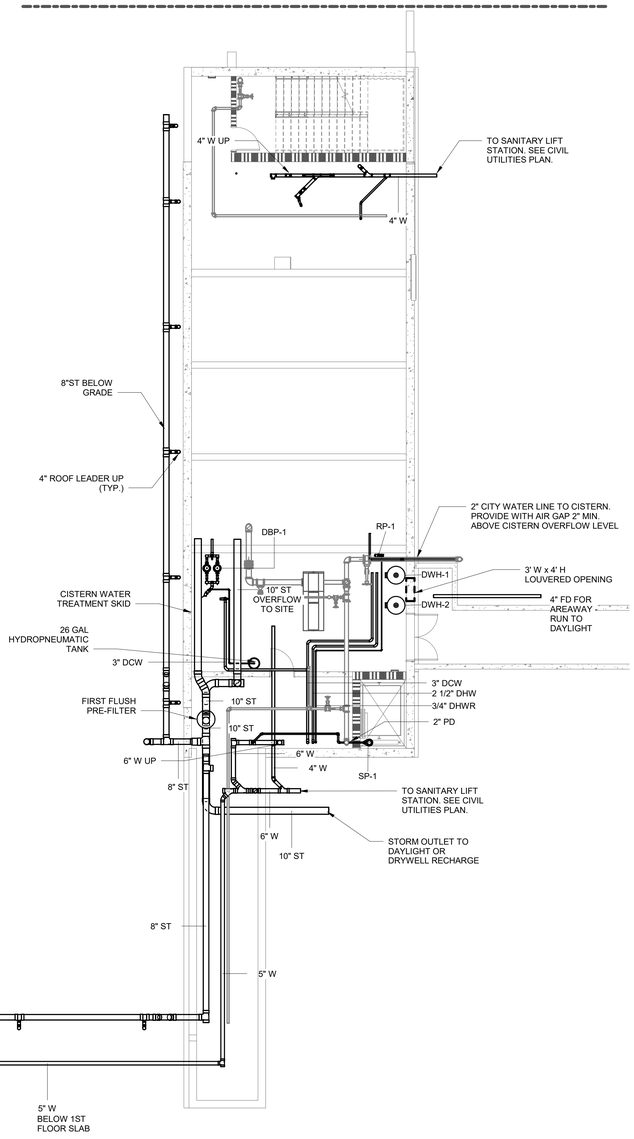
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## 1 BASEMENT PLUMBING PLAN

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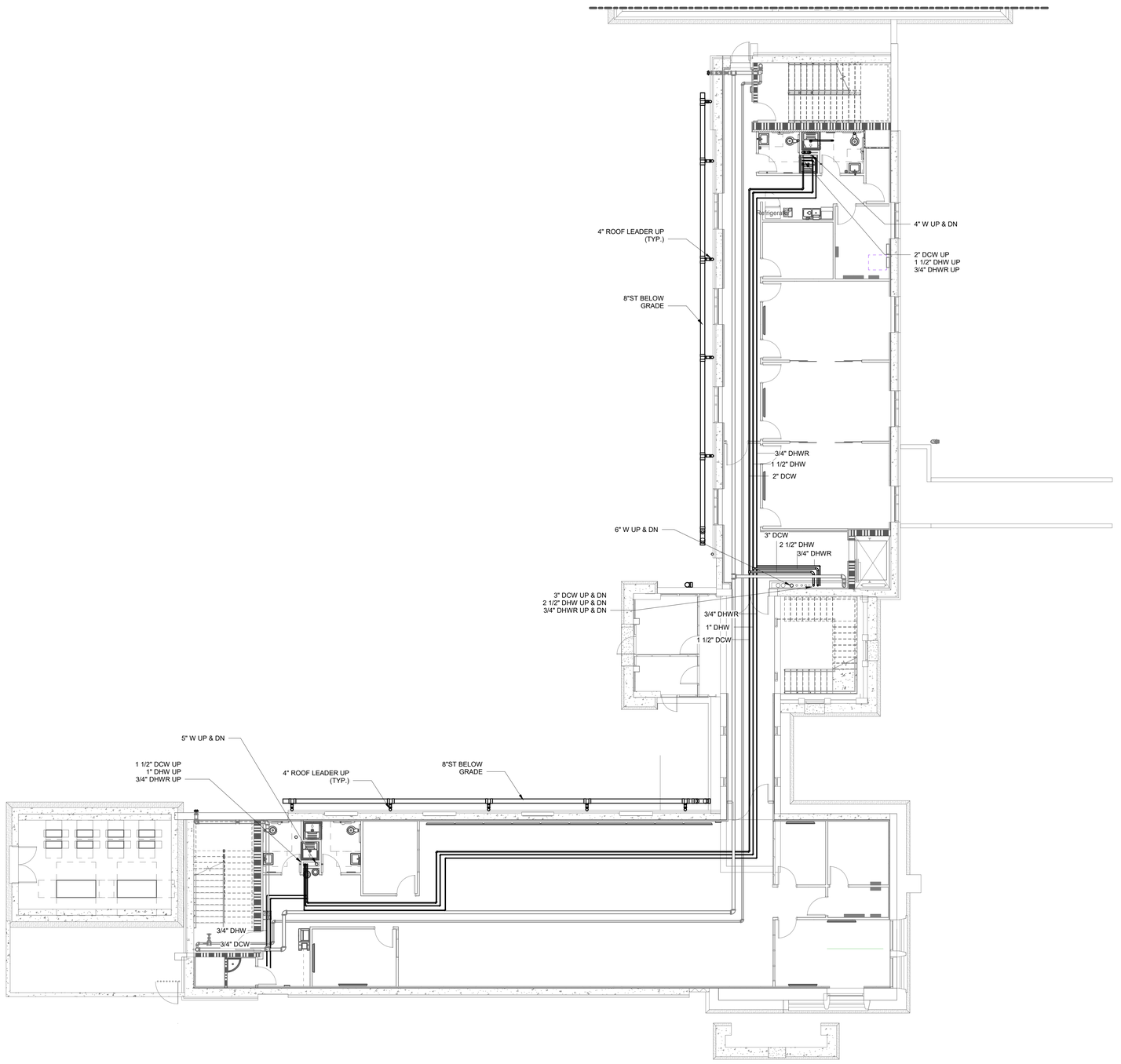
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1 FIRST FLOOR PLUMBING PLAN
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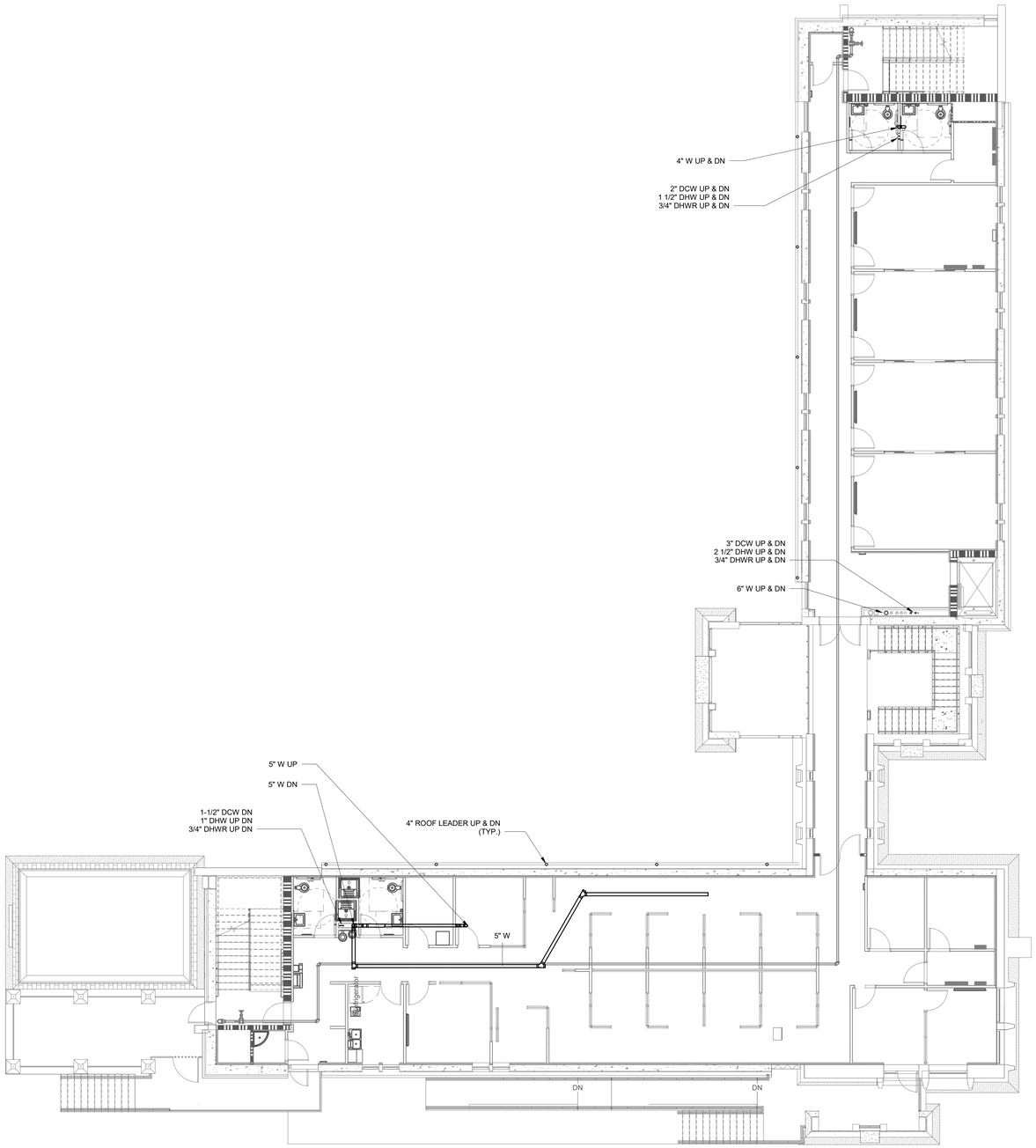
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1 SECOND FLOOR PLUMBING PLAN
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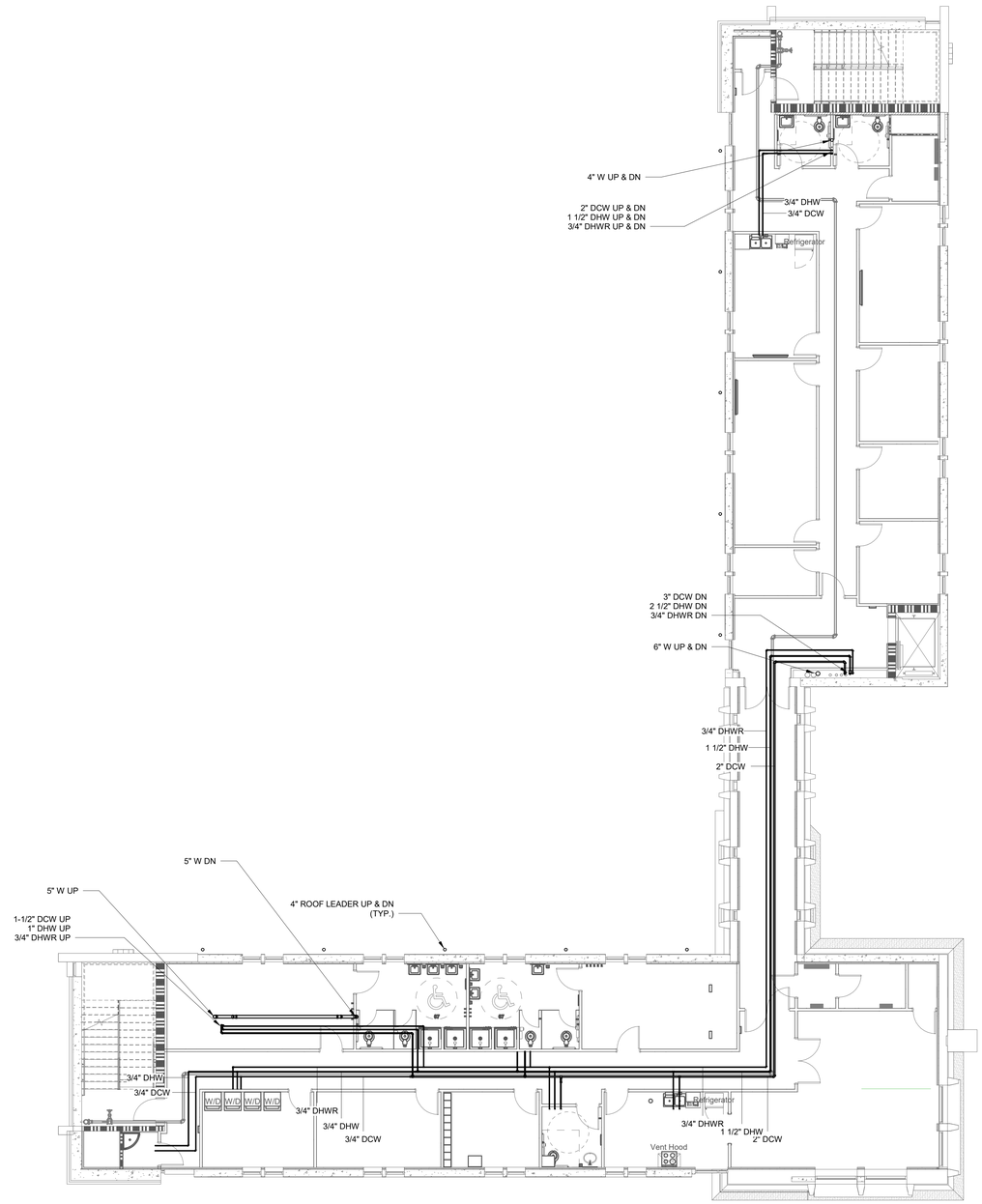
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1 THIRD FLOOR PLUMBING PLAN
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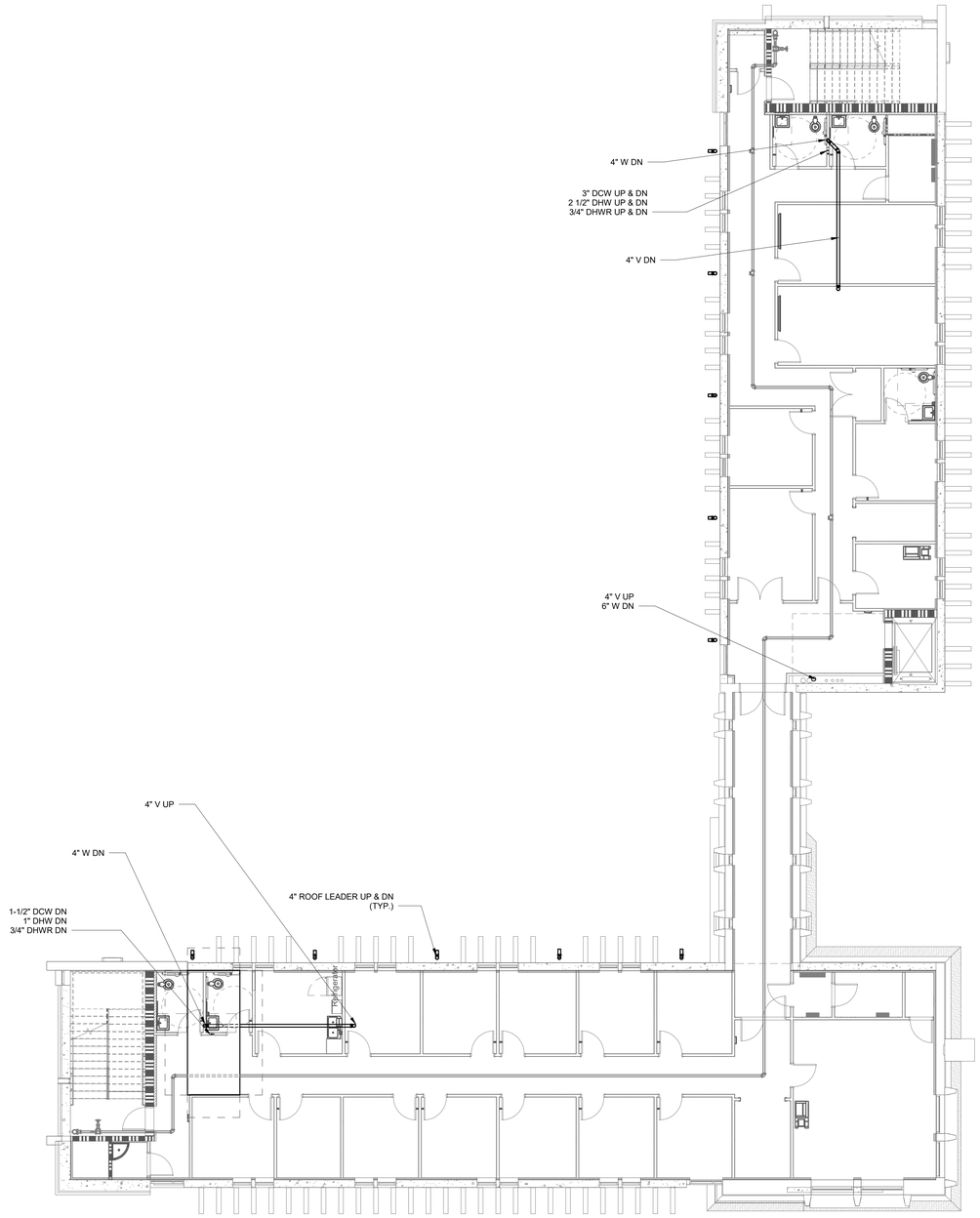
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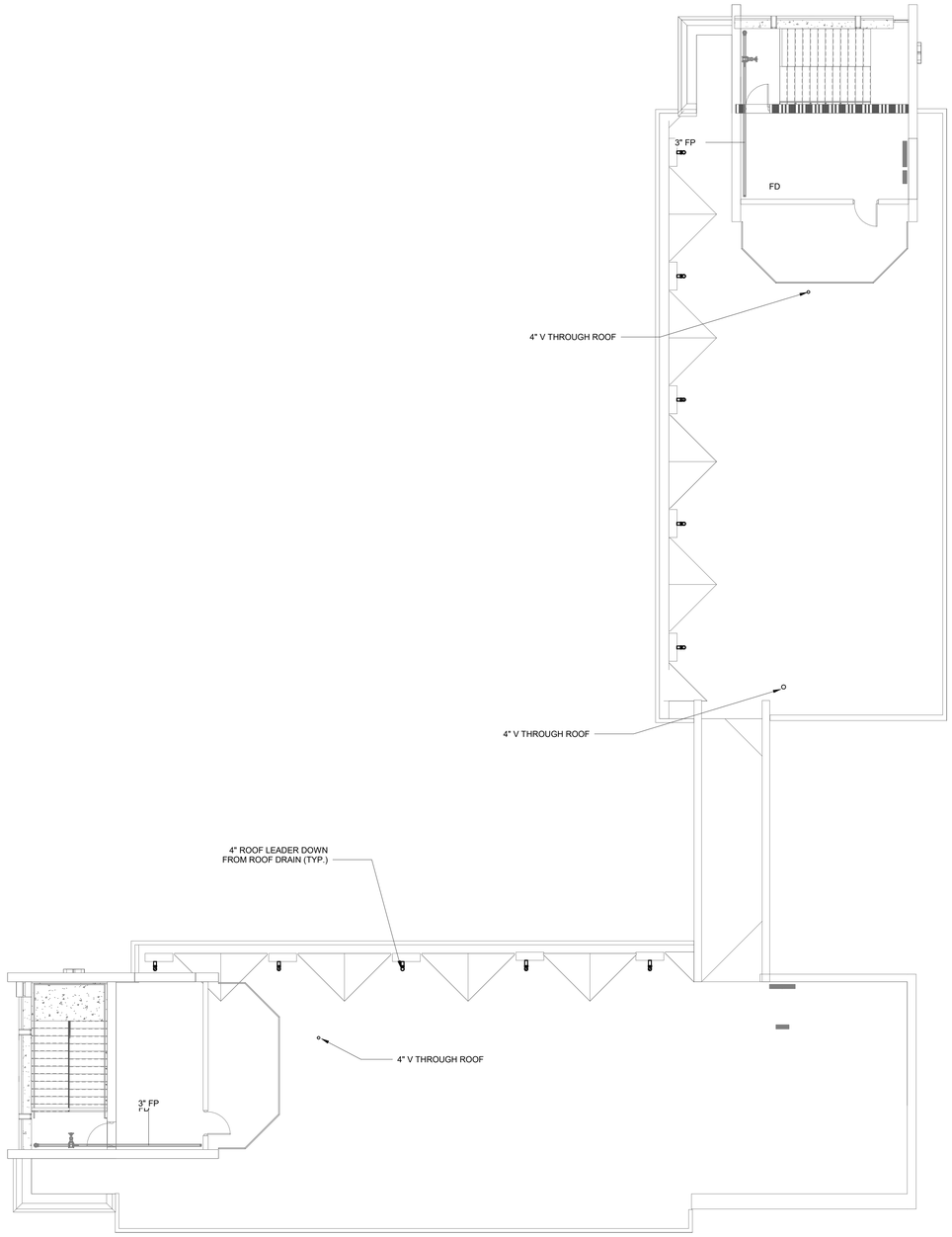
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## 1 ROOF PLUMBING PLAN

Scale: 1/8" = 1'-0"

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| D | 90% CDs | |
| E | 100% CDs | |

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Wind Retrofit & Safe Room

ROOF PLUMBING PLAN

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SHEET NUMBER

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## DOMESTIC WATER HEATER SCHEDULE

**AO SMITH AS STANDARD**

| TAG | SERVICE | TYPE | STORAGE CAP. (GAL.) | HEAT PUMP CAP. (BTU/HR) | HEAT PUMP COP | ELEC. BACK-UP CAP. (BTU/HR) | TOTAL CAPACITY, HYBRID MODE (BTU/HR.) | RECOVERY RATE @ 70 F RISE (GAL/HR) | V/HZ/PH | FLA | MCA | MOCP | MODEL | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DWH-1 | BUILDING HOT WATER | HEAT PUMP w/ ELECTRIC BACK-UP | 119 | 38,500 | 4.2 | 30,700 | 69,200 | 130 | 208/60/1 | 67 | 100 | 125 | CAHP-120 | PROVIDE THERMOSTATIC HW MIXING VALVE, ASME T & P RELIEF VALVE AND DRAIN PAN |
| DWH-2 | BUILDING HOT WATER | HEAT PUMP w/ ELECTRIC BACK-UP | 119 | 38,500 | 4.2 | 30,700 | 69,200 | 130 | 208/60/1 | 67 | 100 | 125 | CAHP-120 | PROVIDE THERMOSTATIC HW MIXING VALVE, ASME T & P RELIEF VALVE AND DRAIN PAN |

## DOMESTIC BOOSTER PUMP SCHEDULE

**ARMSTRONG AS STANDARD**

| TAG | SERVICE | TYPE | RATED FLOW (GPM) | HEAD (FT.) | RPM | MOTOR HP (SINGLE PUMP) | V/HZ/PH | MODEL | NOTES |
|---|---|---|---|---|---|---|---|---|---|
| DBP-1 | BUILDING DOMESTIC SERVICE | DUPLEX BOOSTER, VERTICAL MULTI-STAGE | 100 | 185 | 3064 | 7-1/2 | 208/60/3 | 6800G SERIES PM 180402S-2 | 1 DUTY + 1 STANDBY CONFIGURATION PROVIDE PACKAGED BOOSTER WITH PRESSURE CONTROLS AND AUTO ROTATION, 26 GAL. ASME HYDRO TANK |

## HOT WATER RECIRCULATION PUMP SCHEDULE

**ARMSTRONG AS STANDARD**

| TAG | SERVICE | TYPE | RATED FLOW (GPM) | HEAD (FT) | RPM | MOTOR HP | V/HZ/PH | MODEL | NOTES |
|---|---|---|---|---|---|---|---|---|---|
| RP-1 | BUILDING HOT WATER SERVICE | IN-LINE CIRCULATOR | 5 | 20 | 3500 | 1/6 | 115/60/1 | COMPASS R40-45 DI | ECM MOTOR WITH INTEGRAL SPEED CONTROL |

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SCHEDULES

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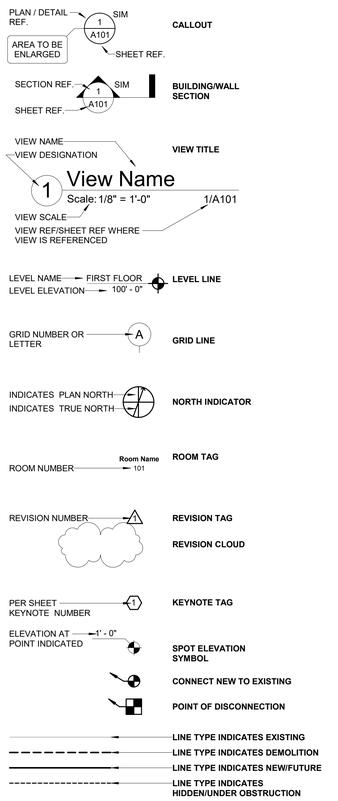
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## STANDARD DETAILING SYMBOLS




## ABBREVIATIONS -...

| | |
|---|---|
| % | PERCENT |
| (D) | DEMOLISH |
| (E) | EXISTING |
| (R) | REMOVE |
| < | LESS THAN |
| > | GREATER THAN |
| AC | AIR CONDITIONING |
| ACCU | AIR COOLED CONDENSING UNIT |
| ADJ | ADJUSTABLE |
| AF | AIRFLOW |
| AFF | ABOVE FINISHED FLOOR |
| AHU | AIR HANDLING UNIT |
| AI | ANALOG INPUT |
| AO | ANALOG OUTPUT |
| ARCH | ARCHITECTURAL |
| AS | AIR SEPARATOR |
| ASHRAE | AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR-CONDITIONING ENGINEERS |
| ATC | AUTOMATIC TEMPERATURE CONTROL |
| ATV | ATMOSPHERIC VENT |
| B | BOILER |
| B&G | BELL & GOSSETT |
| BAS | BUILDING AUTOMATION SYSTEM |
| BBD | BOILER BLOWDOWN |
| BHP | BRAKE HORSEPOWER |
| BI | BINARY INPUT |
| BMS | BUILDING MANAGEMENT SYSTEM |
| BO | BINARY OUTPUT |
| BT | BUFFER TANK |
| BTU | BRITISH THERMAL UNIT |
| BTUH | BRITISH THERMAL UNIT PER HOUR |
| CDWP | CONDENSER WATER PUMP |
| CF | CHEMICAL FEEDER |
| CFM | CUBIC FEET PER MINUTE |
| CH | CHILLER |
| CO | CARBON MONOXIDE |
| CO2 | CARBON DIOXIDE |
| CONN | CONNECTION |
| CONT | CONTROLS |
| CT | COOLING TOWER |
| CU | CONDENSING UNIT |
| CUH | CABINET UNIT HEATER |
| Cv | VALVE COEFFICIENT |
| CWFS | CONDENSER WATER FILTRATION SYSTEM |
| CWP | CHILLED WATER PUMP |
| DB | DRY BULB |
| DBL | DOUBLE |
| DE | DISHWASHER EXHAUST |
| DEF | DISHWASHER EXHAUST FAN |
| DEG | DEGREE |
| DIA | DIAMETER |
| DN | DOWN |
| DOAU | DEDICATED OUTDOOR AIR UNIT |
| DP | DIFFERENTIAL PRESSURE (SENSOR) |
| DPP | DUAL PUMP PACKAGE |
| DRE | DRYER EXHAUST |
| DREF | DRYER EXHAUST FAN |
| DTY | DUTY |
| DWG | DRAWING |
| DWH | DOMESTIC WATER HEATER |
| DX | DIRECT EXPANSION |
| E | EXISTING |
| EA | EXHAUST AIR |
| EAT | ENTERING AIR TEMPERATURE |
| ECM | ELECTRICALLY COMMUTATED MOTOR |
| EF | EXHAUST FAN |
| EHC | ELECTRIC HEATING COIL |

## ABBREVIATIONS -...

| | |
|---|---|
| ELEC | ELECTRICAL |
| EMCS | ENERGY MANAGEMENT CONTROL SYSTEM |
| ESP | EXTERNAL STATIC PRESSURE |
| ET | EXPANSION TANK |
| ETC | ETCETERA |
| EUH | ELECTRIC UNIT HEATER |
| EWH | ELECTRIC WATER HEATER |
| EWT | ENTERING WATER TEMPERATURE |
| EXR | EXHAUST REGISTER |
| Ez | ZONE AIR DISTRIBUTION EFFECTIVENESS |
| F | DEGREES FAHRENHEIT |
| FD | FIRE DAMPER OR FLOOR DRAIN |
| FLA | FULL LOAD AMPS |
| FLEX | FLEXIBLE |
| FP | FAN POWERED |
| FPM | FEET PER MINUTE |
| FS | FLOW SWITCH |
| FT | FOOT/FEET |
| GA | GAUGE |
| GAL | GALLONS |
| GALV | GALVANIZED |
| GC | GENERAL CONTRACTOR |
| GPH | GALLONS PER HOUR |
| GPM | GALLONS PER MINUTE |
| GUH | GAS FIRED UNIT HEATER |
| H | HUMIDIFIER OR HEIGHT |
| H2O | WATER |
| HD | HEAD |
| HP | HORSEPOWER |
| HVAC | HEATING, VENTILATION, AND AIR-CONDITIONING |
| HVY | HEAVY |
| HWB | HOT WATER BOILER |
| HWP | HOT WATER PUMP |
| HWT | HOT WATER TEMPERATURE |
| IN | INCH |
| KEF | KITCHEN EXHAUST FAN |
| KW | KILOWATT |
| L | LOUVER |
| LAT | LEAVING AIR TEMPERATURE |
| LBS | POUNDS |
| LD | LINEAR DIFFUSER |
| LF | LINEAR FEET |
| LIN | LINEAR |
| LTDE | LOW-LIMIT TEMPERATURE DETECTOR |
| LWT | LEAVING WATER TEMPERATURE |
| M | MOTOR OR MOTORIZED DAMPER OR METER |
| MA | MIXED AIR |
| MAT | MIXED AIR TEMPERATURE |
| MAU | MAKEUP AIR UNIT |
| MBH | 1,000 BRITISH THERMAL UNITS PER HOUR |
| MCA | MINIMUM CIRCUIT AMPS |
| MERV | MINIMUM EFFICIENCY REPORTING VALUE |
| MFGR | MANUFACTURER |
| MOCP | MAXIMUM OVERCURRENT PROTECTION |
| N | NEW OR NORTH |
| NC | NORMALLY CLOSED OR NOISE CRITERIA |
| NO | NORMALLY OPEN OR NUMBER |
| NPSH | NET POSITIVE SUCTION HEAD |
| NTS | NOT TO SCALE |
| OA | OUTDOOR AIR |
| OAT | OUTDOOR AIR TEMPERATURE |
| OD | OUTSIDE DIAMETER |
| OS | OCCUPANCY SENSOR |
| P | PRESSURE OR PRESSURE SENSOR |
| P/I | PROVIDE AND INSTALL |
| PA | PIPE ANCHOR |

## ABBREVIATIONS -...

| | |
|---|---|
| PC | PUMPED CONDENSATE |
| PD | PRESSURE DROP |
| PH | PHASE |
| PHC | PREHEAT COIL |
| PPM | PARTS PER MILLION |
| PTAC | PACKAGED TERMINAL AIR CONDITIONER |
| QTY | QUANTITY |
| R | RADIUS, RISE, OR REMOVE |
| RA | RETURN AIR |
| RAD | RADIATOR |
| RAT | RETURN AIR TEMPERATURE |
| RCP | REFLECTED CEILING PLAN |
| RH | RELATIVE HUMIDITY |
| RHC | REHEAT COIL |
| RPM | REVOLUTIONS PER MINUTE |
| RS | REFRIGERANT SUCTION |
| RTU | ROOF TOP UNIT |
| SA | SUPPLY AIR |
| SAT | SUPPLY AIR TEMPERATURE |
| SCH | SCHEDULE |
| SD | SLOT DIFFUSER |
| SEC | SECONDS |
| SF | SUPPLY FAN OR SQUARE FOOT |
| SP | STATIC PRESSURE |
| SS | SPLIT SYSTEM OR STAINLESS STEEL |
| SVAV | SERIES FLOW FAN POWERED BOX |
| SWR | SIDEWALL REGISTER |
| T OR TEMP | TEMPERATURE |
| T&P | TEMPERATURE AND PRESSURE |
| T-STAT | THERMOSTAT |
| TCP | TEMPERATURE CONTROL PANEL |
| TEF | TOILET EXHAUST FAN |
| TON | 12,000 BRITISH THERMAL UNITS PER HOUR COOLING |
| TSP | TOTAL STATIC PRESSURE |
| TYP | TYPICAL |
| UH | UNIT HEATER |
| V OR VOLT | VOLTAGE |
| VAV | VARIABLE AIR VOLUME BOX |
| VEL | VELOCITY |
| VF | VENTILATION FAN |
| VFD | VARIABLE FREQUENCY DRIVE |
| Voc | OUTDOOR AIRFLOW (SPACE) |
| W | WIDTH OR WATTS |
| W/ | WITH |
| WB | WET BULB |
| WC | WATER COLUMN |
| WCU | WATER CHILLING UNIT |
| WG | WATER GAUGE |
| WH | WALL HYDRANT |
| WHP | WATER HEATER PUMP |
| WL | WALL LOUVER |
| WPD | WATER PRESSURE DROP |
| X | UNCORRECTED FRACTION OF OUTDOOR AIR (SYSTEM) |
| Y | CORRECTED FRACTION OF OUTDOOR AIR (SYSTEM) |
| Z | FRACTION OF OUTDOOR AIR (CRITICAL SPACE) |

## MECHANICAL CODE SUMMARY

**2018 APPENDIX B**
**BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS**
**MECHANICAL DESIGN**

**MECHANIAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT**

**THERMAL ZONE - XX**
WINTER DRY BULB **XX.X°F**
SUMMER DRY BULB **XX.X°F**
**INTERIOR DESIGN CONDITIONS**
WINTER DRY BULB **XX°F**
SUMMER DRY BULB **XX°F**
RELATIVE HUMIDITY **XX% - SUMMER**

**BUILDING HEATING LOAD** **X,XXX MBH**

**BUILDING COOLING LOAD** **X,XXX MBH**

**MECHANICAL SPACING CONDITIONING SYSTEM**
UNITARY
DESCRIPTION OF UNIT: **SYSTEM TYPE**
HEATING EFFIDIENCY: **REFER TO SCHEDULES**
COOLING EFFICIENCY: **REFER TO SCHEDULES**
SIZE CATEGORY OF UNIT: **REFER TO SCHEDULES**

BOILER
SIZE CATEGORY. IF OVERSIZED, STATE REASON: **N/A**
CHILLER
SIZE CATEGORY. IF OVERSIZED, STATE REASON: **N/A**

**LIST EQUIPMENT EFFICIENCIES - REFER TO SCHEDULES**

## DRAWING LIST - MECHANICAL


M-001 MECHANICAL SYMBOLS, ABBREVIATIONS & NOTES
M-101 BASEMENT MECHANICAL PLAN
M-111 FIRST FLOOR DUCTWORK PLAN
M-121 SECOND FLOOR DUCTWORK PLAN
M-131 THIRD FLOOR DUCTWORK PLAN
M-141 FOURTH FLOOR DUCTWORK PLAN
M-152 MECHANICAL ROOF EQUIPMENT PLAN
M-601 SCHEDULES AND DIAGRAMS
TOTAL: 8



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MECHANICAL SYMBOLS, ABBREVIATIONS & NOTES

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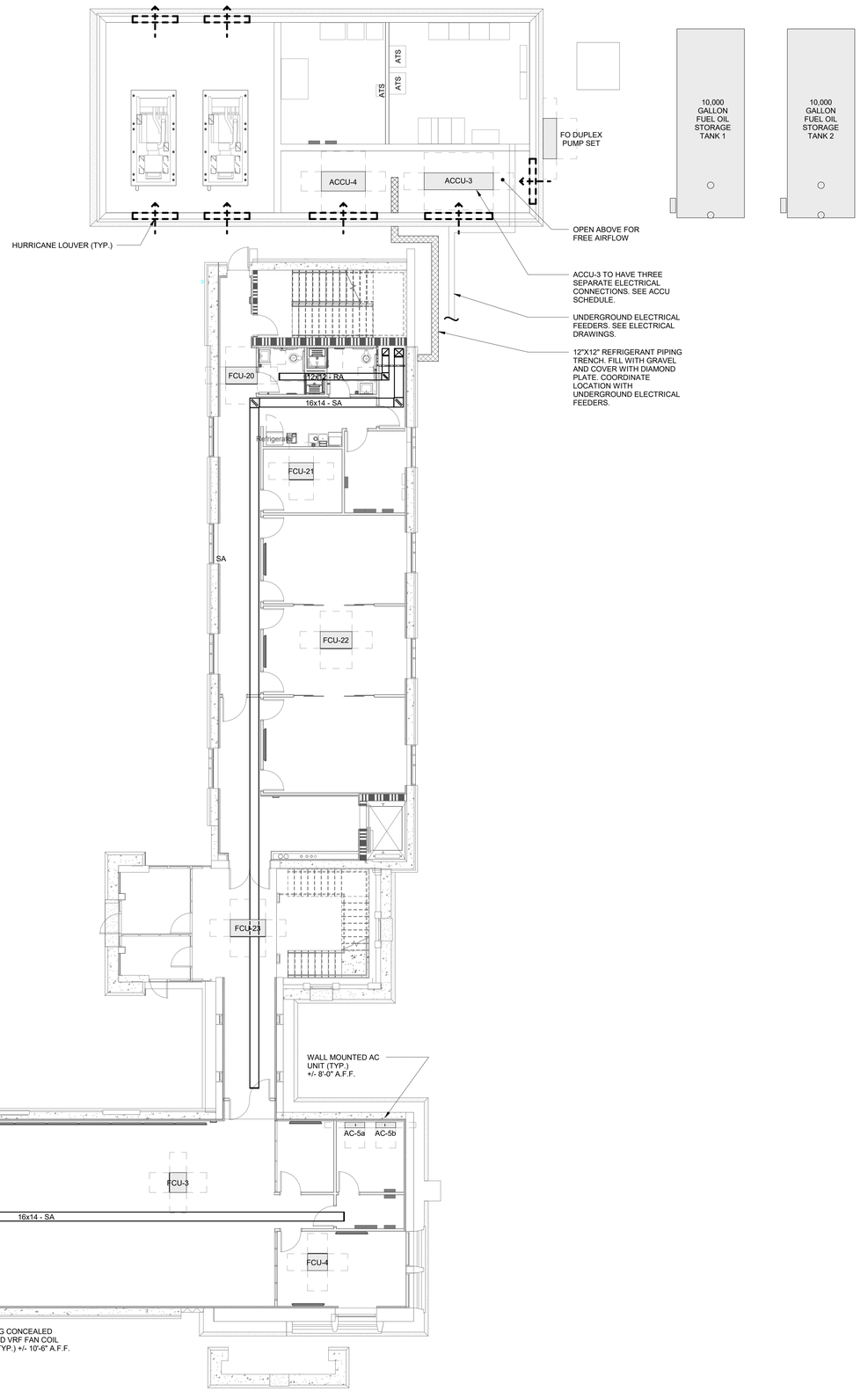
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## 1 FIRST FLOOR DUCTWORK PLAN

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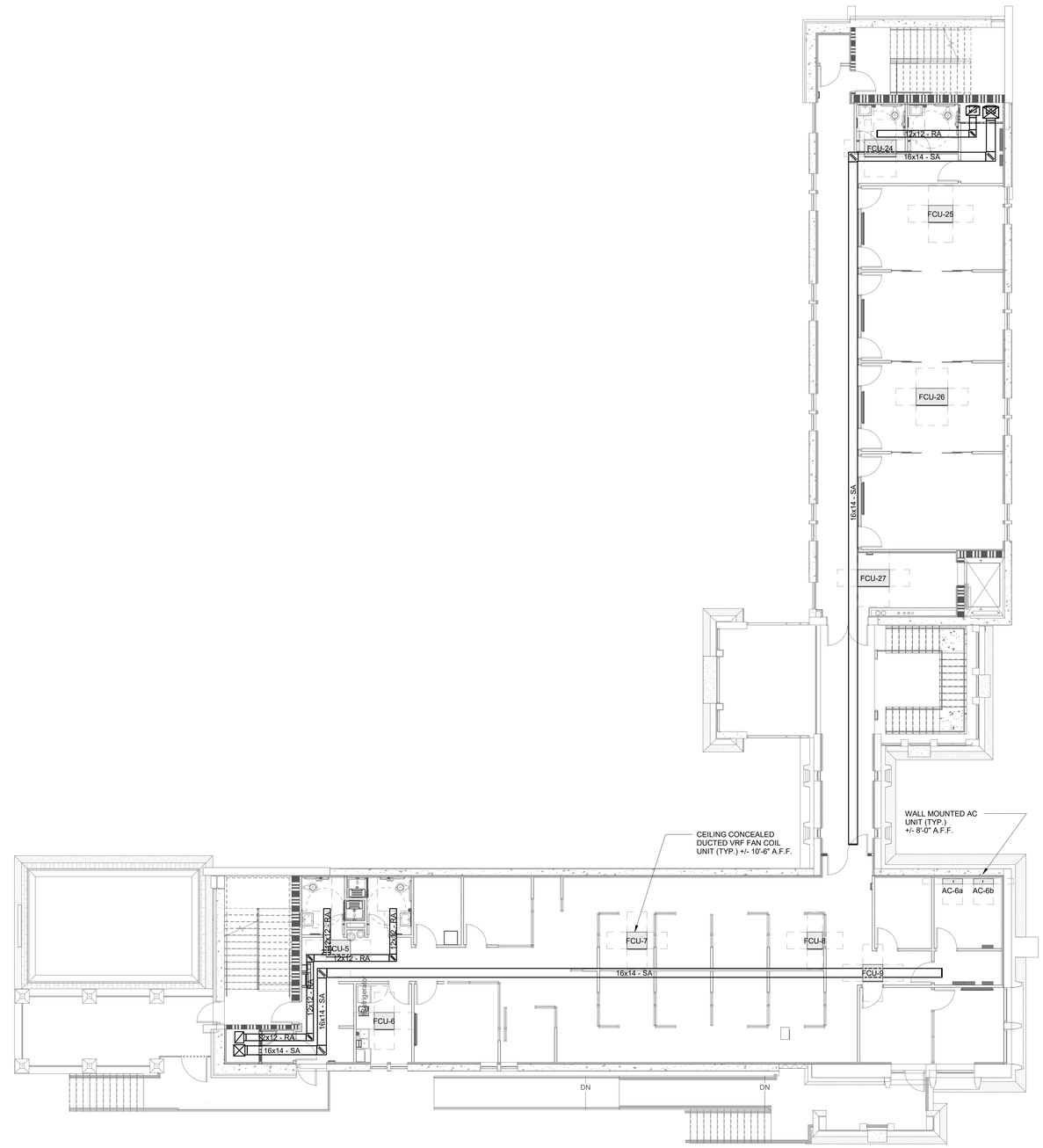
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SECOND FLOOR DUCTWORK PLAN

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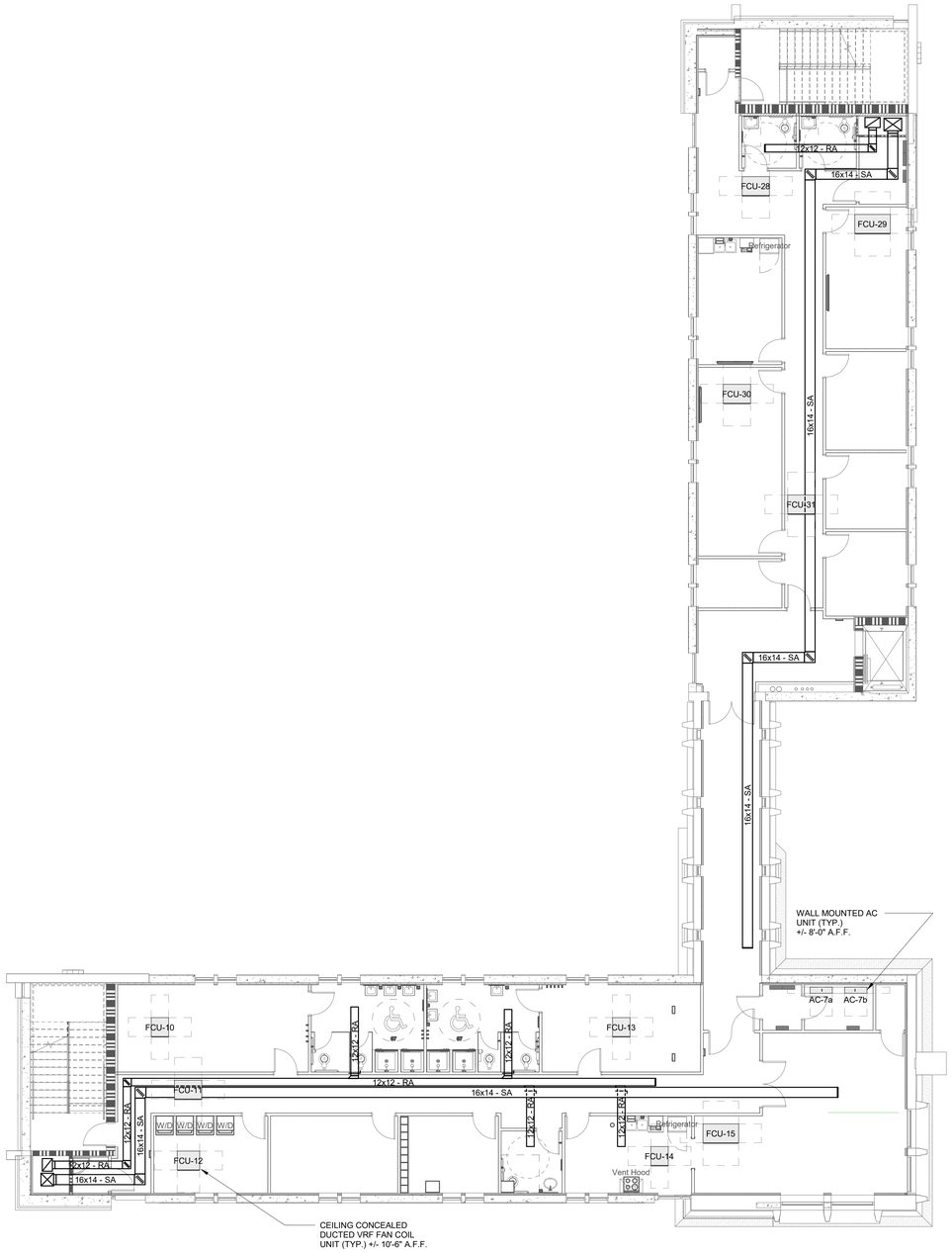
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1 THIRD FLOOR DUCTWORK PLAN
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THIRD FLOOR DUCTWORK PLAN

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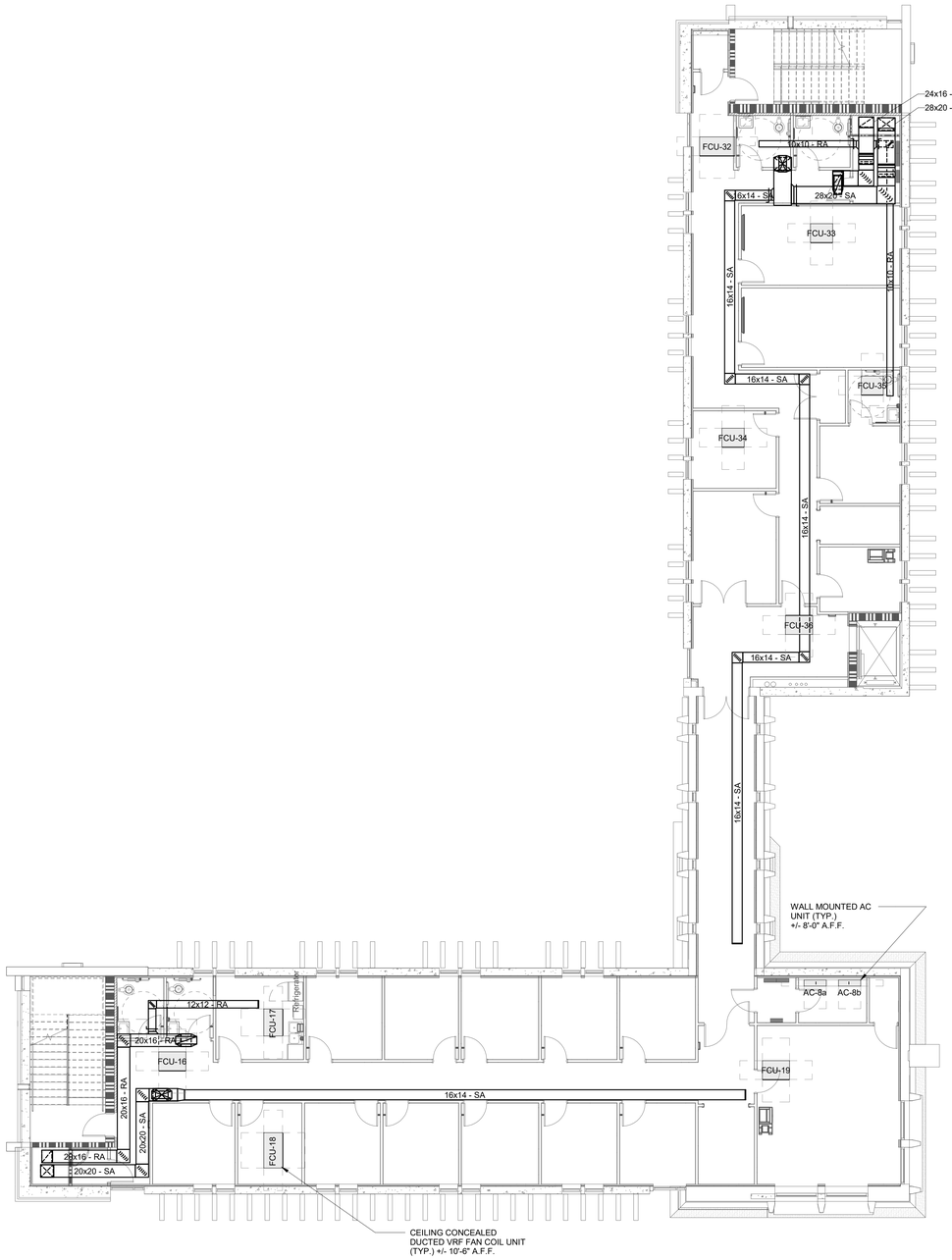
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1 FOURTH FLOOR DUCTWORK PLAN

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FOURTH FLOOR DUCTWORK PLAN

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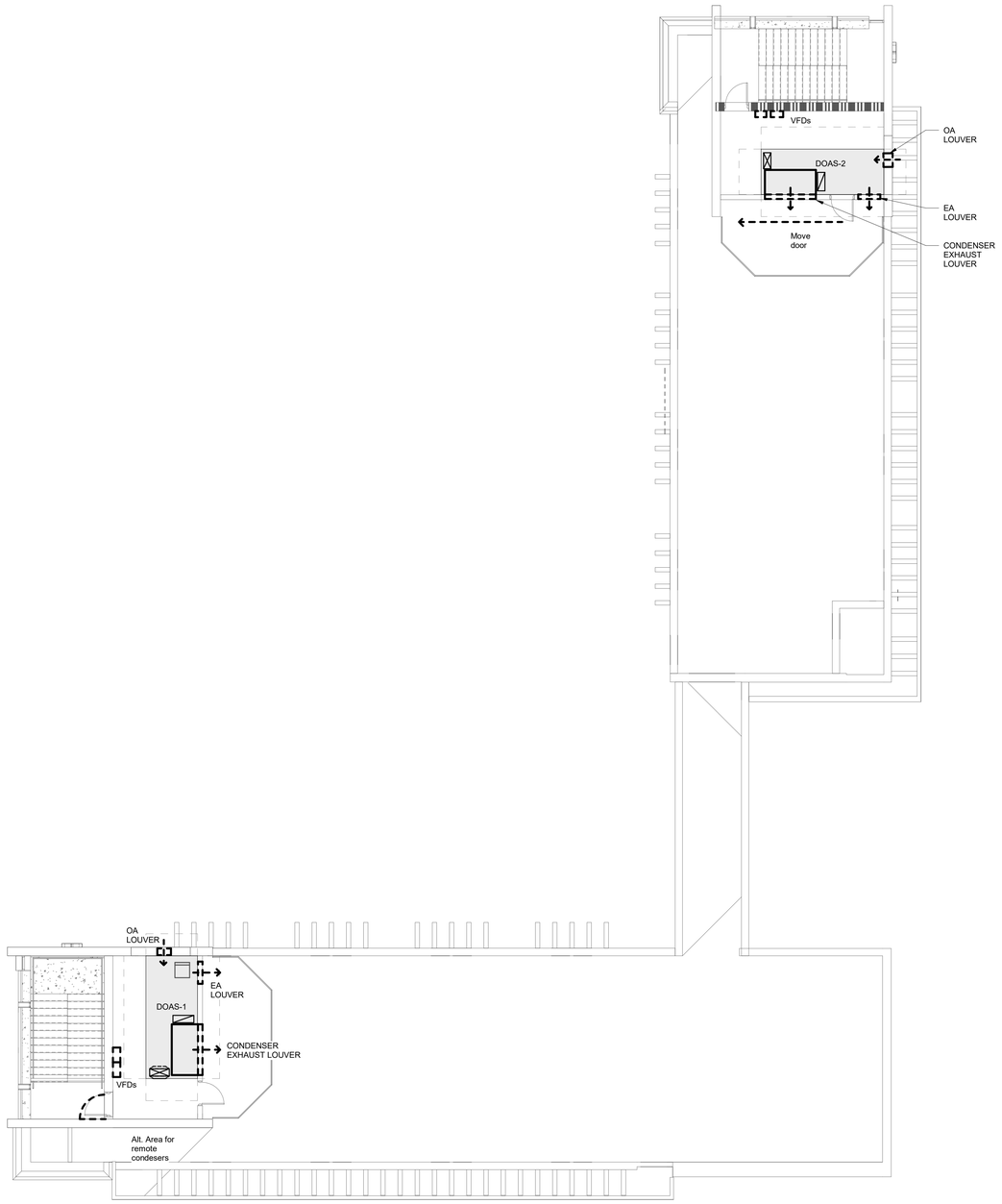
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MECHANICAL ROOF EQUIPMENT PLAN

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SHEET NUMBER
M-152

## VRF FAN COIL UNIT SCHEDULE

| | | | | Cooling Performance | | | | Fan Schedule | | Electrical | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mark | Level | Area Served | Indoor Unit Type | Total Cooling Capacity (Btu/H) | Sensible Cooling Capacity (Btu/H) | EAT DB/WB (F) | LAT DB/WB (F) | Supply Airflow (CFM) | ESP (in. w.g.) | V/Hz/Ph | MCA | MOCP | Outdoor Unit | MFR | Model Number |
| FCU-1 | MEP FIRST FLOOR | Southwing - West Offices | Ceiling-Concealed Ducted | 13.2 | 10.3 | 73/62 | 55/54.8 | 500 | 0.5" | 208/60/1 | 1.45 | 15 | ACCU-1 | Mitsubi Electric | PUHY-P168 |
| FCU-2 | MEP FIRST FLOOR | Southwing - Em Ops West | Ceiling-Concealed Ducted | 13.4 | 10.2 | 73/62 | 55/54.8 | 500 | 0.5" | 208/60/1 | 1.45 | 15 | ACCU-1 | Mitsubi Electric | PEFY-P15 |
| FCU-3 | MEP FIRST FLOOR | Southwing - Em Ops East | Ceiling-Concealed Ducted | 14.8 | 12.2 | 73/62 | 55/54.8 | 640 | 0.5" | 208/60/1 | 1.56 | 15 | ACCU-1 | Mitsubi Electric | PEFY-P18 |
| FCU-4 | MEP FIRST FLOOR | Southwing - East Offices | Ceiling-Concealed Ducted | 12.9 | 10.0 | 73/62 | 55/54.8 | 520 | 0.5" | 208/60/1 | 1.45 | 15 | ACCU-1 | Mitsubi Electric | PEFY-P15 |
| FCU-5 | MEP SECOND FLOOR | Southwing - Circ/Work | Ceiling-Concealed Ducted | 21.7 | 15.8 | 73/62 | 55/54.8 | 700 | 0.5" | 208/60/1 | 2.25 | 15 | ACCU-1 | Mitsubi Electric | PEFY-P24 |
| FCU-6 | MEP SECOND FLOOR | Southwing - Southwest Offices | Ceiling-Concealed Ducted | 13.4 | 10.2 | 73/62 | 55/54.8 | 610 | 0.5" | 208/60/1 | 1.45 | 15 | ACCU-1 | Mitsubi Electric | PEFY-P15 |
| FCU-7 | MEP SECOND FLOOR | Southwing - Call Center East | Ceiling-Concealed Ducted | 13.0 | 10.1 | 73/62 | 55/54.8 | 480 | 0.5" | 208/60/1 | 1.45 | 15 | ACCU-1 | Mitsubi Electric | PEFY-P15 |
| FCU-8 | MEP SECOND FLOOR | Southwing - Call Center West | Ceiling-Concealed Ducted | 10.6 | 7.5 | 73/62 | 55/54.8 | 410 | 0.5" | 208/60/1 | 1.21 | 15 | ACCU-1 | Mitsubi Electric | PEFY-P12 |
| FCU-9 | MEP SECOND FLOOR | Southwing - East Offices | Ceiling-Concealed Ducted | 12.9 | 10.0 | 73/62 | 55/54.8 | 480 | 0.5" | 208/60/1 | 1.45 | 15 | ACCU-1 | Mitsubi Electric | PEFY-P15 |
| FCU-10 | MEP THIRD FLOOR | Southwing - Bunk Room 305 | Ceiling-Concealed Ducted | 6.4 | 5.4 | 73/62 | 55/54.8 | 230 | 0.5" | 208/60/1 | 1.05 | 15 | ACCU-2 | Mitsubi Electric | PEFY-P08 |
| FCU-11 | MEP THIRD FLOOR | Southwing - Corridor | Ceiling-Concealed Ducted | 19.2 | 14.7 | 73/62 | 55/54.8 | 830 | 0.5" | 208/60/1 | 2.25 | 15 | ACCU-2 | Mitsubi Electric | PEFY-P24 |
| FCU-12 | MEP THIRD FLOOR | Southwing - Flex Space | Ceiling-Concealed Ducted | 14.4 | 11.6 | 73/62 | 55/54.8 | 540 | 0.5" | 208/60/1 | 1.56 | 15 | ACCU-2 | Mitsubi Electric | PEFY-P18 |
| FCU-13 | MEP THIRD FLOOR | Southwing - W. Bunk Room 311 | Ceiling-Concealed Ducted | 6.1 | 5.3 | 73/62 | 55/54.8 | 200 | 0.5" | 208/60/1 | 1.05 | 15 | ACCU-2 | Mitsubi Electric | PEFY-P08 |
| FCU-14 | MEP THIRD FLOOR | Southwing - Kitchen 213 | Ceiling-Concealed Ducted | 9.2 | 6.9 | 73/62 | 55/54.8 | 470 | 0.5" | 208/60/1 | 1.21 | 15 | ACCU-2 | Mitsubi Electric | PEFY-P12 |
| FCU-15 | MEP THIRD FLOOR | Southwing - Dining Room 314 | Ceiling-Concealed Ducted | 27.1 | 22.4 | 73/62 | 55/54.8 | 1230 | 0.5" | 208/60/1 | 3.33 | 15 | ACCU-2 | Mitsubi Electric | PEFY-P36 |
| FCU-16 | MEP FOURTH FLOOR | Southwing - Corridor | Ceiling-Concealed Ducted | 19.1 | 14.6 | 73/62 | 55/54.8 | 670 | 0.5" | 208/60/1 | 2.25 | 15 | ACCU-2 | Mitsubi Electric | PEFY-P24 |
| FCU-17 | MEP FOURTH FLOOR | Southwing - North Offices | Ceiling-Concealed Ducted | 18.9 | 14.6 | 73/62 | 55/54.8 | 820 | 0.5" | 208/60/1 | 2.25 | 15 | ACCU-2 | Mitsubi Electric | PEFY-P24 |
| FCU-18 | MEP FOURTH FLOOR | Southwing - South Offices | Ceiling-Concealed Ducted | 28.3 | 22.9 | 73/62 | 55/54.8 | 1020 | 0.5" | 208/60/1 | 3.33 | 15 | ACCU-2 | Mitsubi Electric | PEFY-P36 |
| FCU-19 | MEP FOURTH FLOOR | Southwing - Flex Support | Ceiling-Concealed Ducted | 18.2 | 14.2 | 73/62 | 55/54.8 | 580 | 0.5" | 208/60/1 | 2.25 | 15 | ACCU-2 | Mitsubi Electric | PEFY-P24 |
| FCU-20 | MEP FIRST FLOOR | Northwing - Corridor | Ceiling-Concealed Ducted | 36.4 | 28.1 | 73/62 | 55/54.8 | 1240 | 0.5" | 208/60/1 | 3.41 | 15 | ACCU-3 | Mitsubi Electric | PEFY-P48 |
| FCU-21 | MEP FIRST FLOOR | Northwing - Office Space | Ceiling-Concealed Ducted | 18.1 | 14.2 | 73/62 | 55/54.8 | 610 | 0.5" | 208/60/1 | 2.25 | 15 | ACCU-3 | Mitsubi Electric | PEFY-P24 |
| FCU-22 | MEP FIRST FLOOR | Northwing - J/U Rooms | Ceiling-Concealed Ducted | 26.7 | 22.2 | 73/62 | 55/54.8 | 1240 | 0.5" | 208/60/1 | 3.33 | 15 | ACCU-3 | Mitsubi Electric | PEFY-P36 |
| FCU-23 | MEP FIRST FLOOR | Northwing - Entrance Corridor | Ceiling-Concealed Ducted | 38.8 | 30.5 | 73/62 | 55/54.8 | 1410 | 0.5" | 208/60/1 | 3.31 | 15 | ACCU-3 | Mitsubi Electric | PEFY-P54 |
| FCU-24 | MEP SECOND FLOOR | Northwing - Corridor | Ceiling-Concealed Ducted | 36.2 | 28.1 | 73/62 | 55/54.8 | 1210 | 0.5" | 208/60/1 | 3.41 | 15 | ACCU-3 | Mitsubi Electric | PEFY-P48 |
| FCU-25 | MEP SECOND FLOOR | Northwing - J/U North | Ceiling-Concealed Ducted | 20.2 | 15.3 | 73/62 | 55/54.8 | 850 | 0.5" | 208/60/1 | 2.49 | 15 | ACCU-3 | Mitsubi Electric | PEFY-P27 |
| FCU-26 | MEP SECOND FLOOR | Northwing - J/U South | Ceiling-Concealed Ducted | 26.5 | 22.1 | 73/62 | 55/54.8 | 990 | 0.5" | 208/60/1 | 3.33 | 15 | ACCU-3 | Mitsubi Electric | PEFY-P36 |
| FCU-27 | MEP SECOND FLOOR | Northwing - Entrance | Ceiling-Concealed Ducted | 26.0 | 21.9 | 73/62 | 55/54.8 | 990 | 0.5" | 208/60/1 | 3.33 | 15 | ACCU-3 | Mitsubi Electric | PEFY-P36 |
| FCU-28 | MEP THIRD FLOOR | Northwing - North Corridor | Ceiling-Concealed Ducted | 19.4 | 17.8 | 73/62 | 55/54.8 | 640 | 0.5" | 208/60/1 | 2.25 | 15 | ACCU-4 | Mitsubi Electric | PEFY-P24 |
| FCU-29 | MEP THIRD FLOOR | Northwing - East Offices | Ceiling-Concealed Ducted | 28.8 | 23.1 | 73/62 | 55/54.8 | 900 | 0.5" | 208/60/1 | 3.33 | 15 | ACCU-4 | Mitsubi Electric | PEFY-P36 |
| FCU-30 | MEP THIRD FLOOR | Northwing - West Offices | Ceiling-Concealed Ducted | 21.4 | 15.8 | 73/62 | 55/54.8 | 920 | 0.5" | 208/60/1 | 2.49 | 15 | ACCU-4 | Mitsubi Electric | PEFY-P27 |
| FCU-31 | MEP THIRD FLOOR | Northwing - South Corridor | Ceiling-Concealed Ducted | 18.7 | 14.5 | 73/62 | 55/54.8 | 680 | 0.5" | 208/60/1 | 2.25 | 15 | ACCU-4 | Mitsubi Electric | PEFY-P24 |
| FCU-32 | MEP FOURTH FLOOR | Northwing - North Corridor | Ceiling-Concealed Ducted | 28.7 | 23.1 | 73/62 | 55/54.8 | 940 | 0.5" | 208/60/1 | 3.33 | 15 | ACCU-4 | Mitsubi Electric | PEFY-P36 |
| FCU-33 | MEP FOURTH FLOOR | Northwing - Conference Rooms | Ceiling-Concealed Ducted | 14.4 | 11.6 | 73/62 | 55/54.8 | 660 | 0.5" | 208/60/1 | 1.56 | 15 | ACCU-4 | Mitsubi Electric | PEFY-P18 |
| FCU-34 | MEP FOURTH FLOOR | Northwing - West Offices | Ceiling-Concealed Ducted | 11.7 | 9.5 | 73/62 | 55/54.8 | 440 | 0.5" | 208/60/1 | 1.45 | 15 | ACCU-4 | Mitsubi Electric | PEFY-P15 |
| FCU-35 | MEP FOURTH FLOOR | Northwing - East Offices | Ceiling-Concealed Ducted | 14.1 | 11.5 | 73/62 | 55/54.8 | 540 | 0.5" | 208/60/1 | 1.56 | 15 | ACCU-4 | Mitsubi Electric | PEFY-P18 |
| FCU-36 | MEP FOURTH FLOOR | Northwing - South Corridor | Ceiling-Concealed Ducted | 20.7 | 15.5 | 73/62 | 55/54.8 | 770 | 0.5" | 208/60/1 | 2.49 | 15 | ACCU-4 | Mitsubi Electric | PEFY-P27 |
| FCU-37 | MEP BASEMENT | Basement - Conditioned Spaces | Ceiling-Concealed Ducted | 4.5 | 4.5 | 73/62 | 55/54.8 | 240 | 0.5" | 208/60/1 | 1.05 | 15 | ACCU-3 | Mitsubi Electric | PEFY-P06 |

## AIR COOLED CONDENSING UNIT SCHEDULE

| | | | Performance | | | | | Electrical | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mark | Level | Area Served | Total Cooling Capacity (Btu/H) | Airflow (CFM) | Refrigerant Type | Compressor Type | Compressor Quantity | V/Hz/Ph | FLA | MCA | MOCP | MFR | Model Number |
| ACCU-1 | MEP FIRST FLOOR | Southwing - Level 1 & 2 | 168,000 | 14,100 | R410A | Scroll | 2 | 208/60/3 | 46.1 | 58 | 75 | Mitsubi Electric | PUHY-P168 |
| ACCU-2 | MEP FIRST FLOOR | Southwing - Level 3 & 4 | 192,000 | 14,100 | R410A | Scroll | 2 | 208/60/3 | 53.4 | 67 | 100 | Mitsubi Electric | PUHY-P192 |
| ACCU-3 | MEP FIRST FLOOR | Northwing - Level 1 & 2 | 264,000 | 22,050 | R410A | Scroll | | 208/60/3 | 65.6 | 41/23/23 | 50/30/30 | Mitsubi Electric | PUHY-P264 |
| ACCU-4 | MEP FIRST FLOOR | Northwing - Level 3 & 4 | 204,000 | 14,100 | R410A | Scroll | 2 | 208/60/3 | 57.7 | 72 | 100 | Mitsubi Electric | PUHY-P204 |
| ACCU-5a | MEP FIRST FLOOR | Telecom 112 | 18,000 | 1880 | R410A | Scroll | 1 | 208/60/3 | 7.5 | 11 | 30 | Mitsubi Electric | PUY-A18 |
| ACCU-5b | MEP FIRST FLOOR | Telecom 112 | 18,000 | 1880 | R410A | Scroll | 1 | 208/60/3 | 7.5 | 11 | 30 | Mitsubi Electric | PUY-A18 |
| ACCU-6a | MEP FIRST FLOOR | Telecom 217 | 18,000 | 1880 | R410A | Scroll | 1 | 208/60/3 | 7.5 | 11 | 30 | Mitsubi Electric | PUY-A18 |
| ACCU-6b | MEP FIRST FLOOR | Telecom 217 | 18,000 | 1880 | R410A | Scroll | 1 | 208/60/3 | 7.5 | 11 | 30 | Mitsubi Electric | PUY-A18 |
| ACCU-7a | MEP FIRST FLOOR | IT 316 | 18,000 | 1880 | R410A | Scroll | 1 | 208/60/3 | 7.5 | 11 | 30 | Mitsubi Electric | PUY-A18 |
| ACCU-7b | MEP FIRST FLOOR | IT 316 | 18,000 | 1880 | R410A | Scroll | 1 | 208/60/3 | 7.5 | 11 | 30 | Mitsubi Electric | PUY-A18 |
| ACCU-8a | MEP FIRST FLOOR | IT 423 | 18,000 | 1880 | R410A | Scroll | 1 | 208/60/3 | 7.5 | 11 | 30 | Mitsubi Electric | PUY-A18 |
| ACCU-8b | MEP FIRST FLOOR | IT 423 | 18,000 | 1880 | R410A | Scroll | 1 | 208/60/3 | 7.5 | 11 | 30 | Mitsubi Electric | PUY-A18 |

NOTES:
1. ACCU-3 REQUIRES A SEPARATE ELECTRICAL CONNECTION FOR EACH CONDENSER SECTION.

## WALL MOUNTED AC UNIT SCHEDULE

| Mark | Level | Area Served | Total Cooling Capacity (Btu/H) | EER/SEER | Supply Airflow (CFM) | V/Hz/Ph | FLA | MCA | MOCP | MFR | Model Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AC-5a | MEP FIRST FLOOR | Telecom 112 | 18,000 | 9.9/18.5 | 425 | 208/60/1 | 0.33 | 1 | 15 | Mitsubi Electric | PKA-A18 |
| AC-5b | MEP FIRST FLOOR | Telecom 112 | 18,000 | 9.9/18.5 | 425 | 208/60/1 | 0.33 | 1 | 15 | Mitsubi Electric | PKA-A18 |
| AC-6a | MEP SECOND FLOOR | Telecom 217 | 18,000 | 9.9/18.5 | 425 | 208/60/1 | 0.33 | 1 | 15 | Mitsubi Electric | PKA-A18 |
| AC-6b | MEP SECOND FLOOR | Telecom 217 | 18,000 | 9.9/18.5 | 425 | 208/60/1 | 0.33 | 1 | 15 | Mitsubi Electric | PKA-A18 |
| AC-7a | MEP THIRD FLOOR | IT 316 | 18,000 | 9.9/18.5 | 425 | 208/60/1 | 0.33 | 1 | 15 | Mitsubi Electric | PKA-A18 |
| AC-7b | MEP THIRD FLOOR | IT 316 | 18,000 | 9.9/18.5 | 425 | 208/60/1 | 0.33 | 1 | 15 | Mitsubi Electric | PKA-A18 |
| AC-8a | MEP FOURTH FLOOR | IT 423 | 18,000 | 9.9/18.5 | 425 | 208/60/1 | 0.33 | 1 | 15 | Mitsubi Electric | PKA-A18 |
| AC-8b | MEP FOURTH FLOOR | IT 423 | 18,000 | 9.9/18.5 | 425 | 208/60/1 | 0.33 | 1 | 15 | Mitsubi Electric | PKA-A18 |
| AC-6i | MEP BASEMENT | | | | | | | | | | |

## DEDICATED OUTDOOR AIR SYSTEM SCHEDULE

| | | | Energy Recovery | | | | | | | | Cooling Coil Performance | | | | Supply Fan | | | Exhaust Fan | | | Electrical | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mark | Level | Area Served | Total Recovery (Btu/H) | Total Recovery (%) | Sensible Recovery (Btu/H) | Sensible Recovery (%) | OA EAT DB/WB (F) | OA LAT DB/WB (F) | RA EAT DB/WB (F) | RA LAT DW/WB (F) | Total Cooling Capacity (Btu/H) | Sensible Cooling Capacity (Btu/H) | EAT DB/WB (F) | LAT DB/WB (F) | Supply Airflow (CFM) | Supply ESP (in. w.g.) | Supply TSP (in. w.g.) | Exhaust Airflow (CFM) | Exhaust ESP (in. w.g.) | Exhaust TSP (in. w.g.) | V/Hz/Ph | FLA | MCA | MOCP | Manufacturer | Model Number |
| DOAS-1 | MEP ROOF | Southwing | 160,000 | 85.4 | | 86.9 | 84.4/80.4 | 75/67.4 | 70/58 | 82.6/78.2 | 312,900 | 108,700 | 84.4/80.4 | 49.8/49.8 | 3155 | 1 | 2.8 | 2430 | 1 | 2.15 | 208/60/1 | | | | XeteX | AVR 1400-RT-CD-HG-AC |
| DOAS-2 | MEP ROOF | Northwing | 82,000 | 77 | | 83.5 | 84.4/80.4 | 75.4/68.9 | 70/58 | 82.1/76.7 | 177,900 | 61,000 | 84.4/80.4 | 50.2/50.2 | 1820 | 1 | 2.95 | 1400 | 1 | 2.25 | 208/60/1 | | | | XeteX | AVR 1000-RT-CD-HG-AC |

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SUBMISSIONS:

| Ref | Description | Date |
|---|---|---|
| A | Schematic | 03/04/2022 |
| B | 30% CDs | 08/18/2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

SCHEDULES AND DIAGRAMS

NOT FOR CONSTRUCTION

REVISIONS:

| No. | Description | Date |
|---|---|---|

DRAWN BY: MKR

CHECKED BY: GM

DATE: 08/18/2022

NOVUS JOB NUMBER

2018_0801

SHEET NUMBER

M-601

## LIGHTING

| SYMBOL | DESCRIPTION |
|---|---|
| 2,a F / 2,a F | CEILING MOUNTED LIGHTING FIXTURE AND OUTLET BOX.<br>- 'F' DENOTES FIXTURE TYPE<br>- '2' DENOTES BRANCH CIRCUIT NUMBER<br>- 'a' DENOTES SWITCHED CIRCUIT<br>- SHADED AREA FIXTURE ON EMERGENCY CIRCUIT |
| F 2 a / F 2 a | WALL MOUNTED LIGHTING FIXTURE AND OUTLET BOX.<br>- 'F' DENOTES FIXTURE TYPE<br>- '2' DENOTES BRANCH CIRCUIT NUMBER<br>- 'a' DENOTES SWITCHED CIRCUIT<br>- SHADED AREA FIXTURE ON EMERGENCY CIRCUIT |
| OR | CEILING/WALL EXIT LIGHT AND OUTLET BOX, LED TYPE, SELF CONTAINED, WITH BATTERY PACK:<br>- SHADED AREA INDICATES ILLUMINATED FACE(S)<br>- ARROW INDICATES DIRECTION |
| | EMERGENCY UNIT EQUIPMENT, 90 MINUTE BATTERY PACK, CHARGER AND TEST SWITCH |

NOTE: SEE LIGHT FIXTURE SCHEDULE AND SPECIFICATIONS FOR COMPLETE FIXTURE DESCRIPTION.

## WIRING DEVICES

| SYMBOL | DESCRIPTION |
|---|---|
| $S^{a}_{3}$ / $S^{b}_{K4}$ | 20A SPST TOGGLE SWITCH U.O.N.:<br>-LOWER CASE LETTER DENOTES LIGHTING FIXTURE SWITCHING ARRANGEMENT<br>- '3' DENOTES THREE-WAY<br>- '4' DENOTES FOUR-WAY<br>- 'K' KEY OPERATED |
| $S_{DM}$ | WALL DIMMER SWITCH |
| $S_{WP}$ | WEATHERPROOF SWITCH |
| $S_{XP}$ | EXPLOSION PROOF SWITCH |
| $S^{a}_{OS}$ | WALL SWITCH OCCUPANCY SENSOR |
| $^{a}$PIR | CEILING MOUNTED OCCUPANCY SENSOR.<br>- 'PIR' DENOTES PASSIVE INFRARED<br>- 'US' DENOTES ULTRASONIC<br>- 'DT' DENOTES DUAL TECHNOLOGY<br>- 'a' DENOTES SWITCHING ARRANGEMENT |
| $^{b}$DT | WALL MOUNTED OCCUPANCY SENSOR.<br>- 'PIR' DENOTES PASSIVE INFRARED<br>- 'DT' DENOTES DUAL TECHNOLOGY<br>- 'a' DENOTES SWITCHING ARRANGEMENT |
| PC | CEILING MOUNTED PHOTOCELL CONTROLLER |
| PC | WALL MOUNTED PHOTOCELL CONTROLLER |
| LC | LIGHTING CONTACTOR |
| TC | TIME CLOCK |
| | PUSH BUTTON |
| | ANNOTATION FOR RECEPTACLE WIRING DEVICES:<br>- GFI DENOTES GROUND FAULT TYPE<br>- SS DENOTES SURGE SUPPRESSION TYPE<br>- IG DENOTES ISOLATED GROUND TYPE<br>- EM EMERGENCY TYPE |
| EM | SIMPLEX RECEPTACLE WALL MOUNTED<br>20A, 125V, 2P, 3W GROUNDING |
| GFI | DUPLEX RECEPTACLE WALL MOUNTED<br>20A, 125V, 2P, 3W GROUNDING |
| | QUAD RECEPTACLE WALL MOUNTED<br>20A, 125V, 2P, 3W GROUNDING |
| L6-20R | SPECIAL RECEPTACLE WALL MOUNTED<br>NEMA CONFIGURATION AS INDICATED ON PLANS |
| | SIMPLEX RECEPTACLE CEILING MOUNTED<br>20A, 125V, 2P, 3W GROUNDING |
| | DUPLEX RECEPTACLE CEILING MOUNTED<br>20A, 125V, 2P, 3W GROUNDING |
| | QUAD RECEPTACLE CEILING MOUNTED<br>20A, 125V, 2P, 3W GROUNDING |
| L6-20R | SPECIAL RECEPTACLE CEILING MOUNTED<br>NEMA CONFIGURATION AS INDICATED ON PLANS |
| | SIMPLEX RECEPTACLE FLUSH FLOOR MOUNTED<br>20A, 125V, 2P, 3W GROUNDING |
| | DUPLEX RECEPTACLE FLUSH FLOOR MOUNTED<br>20A, 125V, 2P, 3W GROUNDING |
| | QUAD RECEPTACLE FLUSH FLOOR MOUNTED<br>20A, 125V, 2P, 3W GROUNDING |
| | SPECIAL RECEPTACLE FLUSH FLOOR MOUNTED<br>NEMA CONFIGURATION AS INDICATED ON PLANS |
| J | WALL MOUNTED JUNCTION BOX |
| J | RECESSED CEILING MOUNTED JUNCTION BOX |
| J | FLUSH FLOOR MOUNTED JUNCTION BOX |
| | SURFACE RACEWAY |

## POWER

| SYMBOL | DESCRIPTION |
|---|---|
| 4X | UNFUSED DISCONNECT SWITCH WITH RATING => UPSTEAM PROTECTIVE DEVICE<br>- '4x' DENOTES NEMA ENCLOSURE IF INDICATED |
| 4X F 200 | FUSED DISCONNECT SWITCH<br>- NUMERICAL DENOTES FUSE SIZE<br>- '4x' DENOTES NEMA ENCLOSURE IF INDICATED |
| 4X CB 225 | ENCLOSED CIRCUIT BREAKER<br>- NUMERICAL DENOTES TRIP SIZE<br>- '4x' DENOTES NEMA ENCLOSURE IF INDICATED |
| 4X | MOTOR CONTROLLER:<br>- '4x' DENOTES NEMA ENCLOSURE IF INDICATED |
| 4X VFD | VARIABLE FREQUENCY DRIVE CONTROLLER<br>- '4x' DENOTES NEMA ENCLOSURE IF INDICATED |
| 4X 400 | COMBINATION DISCONNECT SWITCH/CONTROLER<br>- NUMERICAL DENOTES FUSE/TRIP SIZE<br>- '4x' DENOTES NEMA ENCLOSURE IF INDICATED |
| 4X VFD | COMBINATION DISCONNECT SWITCH/CONTROLLER VARIABLE FREQUENCY DRIVE<br>- '4x' DENOTES NEMA ENCLOSURE IF INDICATED |
| $S^{TP}_{M}$ | MANUAL MOTOR STARTER WITH THERMAL OVERLOAD AND PILOT LIGHT |
| | FLEXIBLE CONNECTION |
| PB | PULLBOX |
| T4 | TRANSFORMER, SEE SCHEDULE FOR RATING |
| ATS | AUTOMATIC TRANSFER SWITCH, SEE RISER DIAGRAM FOR RATING |
| | SURFACE MOUNTED LTG/APPLIANCE PANELBOARD |
| | FLUSH MOUNTED LTG/APPLIANCE PANELBOARD |
| | SURFACE MOUNTED PANELBOARD |
| LP-3A/ 1,3,5 | HOMERUN TO PANELBOARD "LP-3A":<br>- NUMERALS DENOTES CIRCUIT NUMBERS |
| | NEW CONDUIT OR EQUIPMENT |
| | CONDUIT TURNING UP |
| | CONDUIT TURNING DOWN |
| | CONDUIT CAPPED |
| | EXISTING CONDUIT AND WIRING TO BE REMOVED |
| | EXISTING CONDUIT AND WIRING TO REMAIN |

## LIGHTNING PROTECTION & GROUNDING

| SYMBOL | DESCRIPTION |
|---|---|
| L | - 'L' DENOTES LIGHTNING PROTECTION MAIN CONDUCTOR |
| | LIGHTING PROTECTION AIR TERMINAL |
| | THRU ROOF PENETRATION CABLE IN CONDUIT |
| | THRU ROOF PENETRATION TO STEEL |
| | FULL DOWNLEAD TO GROUND |
| | GROUND ROD WITH CONCRETE GROUND INSPECTION WELL |
| | STEEL COLUMN BOND TO GROUND |
| | EXPOSED DOWNLEAD TO GROUND |
| G | - 'G' DENOTES COUNTERPOISE/GROUND CABLE |
| | TRIANGULAR GROUND GRID - THREE 3/4" x 10'-0" RODS SPACED 30'-0" MINIMUM APART INTERCONNECTED WITH 4/0 COPPER CONDUCTOR. |
| TW | GROUND ELECTRODE 3/4" COOPER ROD, 10'-0" DEEP - "TW" INDICATES TEST WELL |
| | GROUND ELECTRODE CONNECTION TO EQUIPMENT |
| | 2"x1/4" COPPER GROUND BUS BAR, LENGTH AS INDICATED ON PLANS. |

## MISCELLANEOUS

| SYMBOL | DESCRIPTION |
|---|---|
| P380D | FEEDER SIZE, SEE FEEDER SCHEDULE |
| 1 # | REFERENCE NOTE |
| A E-3 | DIGITAL REFERENCE;<br>- DETAIL DESIGNATION<br>- SHEET NUMBER REFERENCE |
| EF 1 | EQUIPMENT REFERENCE. COORDINATE EQUIPMENT WITH MECHANICAL/PLUMBING TRADES. SEE MECHANICAL/PLUMBING DRAWINGS FOR LOCATIONS |
| 2 | INDICATES REVISION & NUMBER |

## SINGLE LINE DIAGRAM

| SYMBOL | DESCRIPTION |
|---|---|
| PANEL | PANELBOARD, SEE PANEL SCHEDULE FOR RATING |
| | FEEDER |
| BW | BUSWAY |
| LSI TRIP | MOLDED CASE CIRCUIT BREAKER:<br>- "TEXT" DENOTES CB ACCESSORIES<br>ST, ET. GFP, EO, LSI TRIP FUNCTIONS<br>- NUMERICAL DENOTES TRIP SIZE |
| GFP TRIP | LOW VOLTAGE DRAW OUT CIRCUIT BREAKER:<br>- "TEXT" DENOTES CB ACCESSORIES<br>- NUMERICAL DENOTES TRIP SIZE |
| GFP TRIP | LOW VOLTAGE FUSE/SWITCH UNIT<br>- "TEXT" DENOTES FUSE ACCESSORIES<br>ST, GFR, EO, LO, LOCK OUT PROVISIONS<br>- NUMERICAL DENOTES FUSE SIZE |
| GFP TRIP | MEDIUM VOLTAGE DRAWOUT FUSE/SWITCH UNIT<br>- "TEXT" DENOTES FUSE ACCESSORIES<br>- NUMERICAL DENOTES FUSE SIZE |
| 52 | MEDIUM VOLTAGE DRAW OUT CIRCUIT BREAKER WITH INTEGRAL TRIP UNIT |
| SPARE 200 | SPARE SWITCH IN DISTRIBUTION EQUIPMENT |
| SPACE 255 | SPACE IN DISTRIBUTION EQUIPMENT |
| SA 12KV | INTERMEDIATE CLASS MOV SURGE ARRESTER<br>- NUMERICAL DENOTES ARRESTER RATING |
| ST 225 | ENCLOSED CIRCUIT BREAKER<br>- "TEXT" DENOTES CB ACCESSORIES<br>- NUMERICAL DENOTES TRIP SIZE |
| ST 225 | ENCLOSED SAFETY DISCONNECT SWITCH<br>- "TEXT" DENOTES FUSE ACCESSORIES<br>- NUMERICAL DENOTES SWITCH SIZE |
| ST 400 | ENCLOSED FUSED DISCONNECT SWITCH<br>- "TEXT" DENOTES FUSE ACCESSORIES<br>- NUMERICAL DENOTES SWITCH SIZE |
| N E L ATS-1 4 POLE 600A | AUTOMATIC TRANSFER SWITCH |
| ATS-1 4 POLE 600A | AUTOMATIC TRANSFER SWITCH W/BYPASS ISOLATION |
| G | GENERATOR |
| M | MOTOR |
| KI | KEY INTERLOCK |
| 51 | RELAY NUMERICAL INDICATES TYPE |
| M | UTILITY METER |
| M V A | DIGITAL MULTIFUNCTION METER WITH CURRENT/POTENTIAL TRANSFORMER AS REQUIRED |
| 200/5 | CURRENT TRANSFORMER:<br>- '200/5' DENOTES CT RATIO IF INDICATED |
| (1) | POTENTIAL TRANSFORMER:<br>- NUMERICAL DENOTES QUANTITY OF FUSES |
| | DELTA CONNECTION |
| | WYE CONNECTION |
| | INVERTER |
| | RECTIFIER |
| | BATTERY |
| XMFR-1 75KVA 480V-208/120 | TRANSFORMER WITH PRIMARY AND SECONDARY CONNECTIONS AS INDICATED ON RISER DIAGRAM. |

NOTE:
NOT ALL SYMBOLS AND ABBREVIATIONS ARE USED ON THIS PROJECT.

## ABBREVIATIONS - ELECTRICAL

| | |
|---|---|
| A, AMP | AMPERE |
| AC | ALTERNATING CURRENT |
| ADA | AMERICANS WITH DISABILITIES ACT |
| AF | AMPERE FRAME |
| AFCI | ARC FAULT CIRCUIT INTERRUPTER |
| AFF | ABOVE FINISH FLOOR |
| AFG | ABOVE FINISH GRADE |
| AHJ | AUTHORITY HAVING JURISDICTION |
| AIC | AMPERES INTERRUPTING CAPACITY |
| AL, ALUM | ALUMINUM |
| ANSI | AMERICAN NATIONAL STANDARDS INSTITUTE |
| AT | AMPERE TRIP |
| ATS | AUTOMATIC TRANSFER SWITCH |
| AUX | AUXILIARY |
| AWG | AMERICAN WIRE GAUGE |
| BLDG | BUILDING |
| BMS | BUILDING MANAGEMENT SYSTEM |
| C | CONDUIT |
| C/B, CB | CIRCUIT BREAKER |
| CATV | CABLE TELEVISION |
| CKT | CIRCUIT |
| COMM | COMMUNICATION |
| CT | CURRENT TRANSFORMER |
| CU | COPPER |
| DC | DIRECT CURRENT |
| DISC | DISCONNECT |
| DWG | DRAWING |
| E, EX | EXISTING |
| EC | ELECTRICAL CONTRACTOR |
| ECB | ENCLOSED CIRCUIT BREAKER |
| EGB | EARTH, ELECTRICAL OR EQUIPMENT GROUND BAR |
| EGC | EQUIPMENT GROUNDING CONDUCTOR |
| ELEC | ELECTRIC, ELECTRICAL |
| ELEV | ELEVATOR |
| EM, EMERG | EMERGENCY |
| FLA | FULL LOAD AMPS |
| FSD | FIRE SMOKE DAMPER |
| G, GND | GROUND |
| GFCI, GF | GROUND FAULT CIRCUIT INTERRUPTER |
| HP | HORSE POWER |
| ISC | SHORT CIRCUIT CURRENT |
| JB, JBOX | JUNCTION BOX |
| KVA | KILOVOLT-AMPERES |
| KW | KILOWATT |
| LCP | LIGHTING CONTROL PANEL |
| LTG | LIGHTING |
| LV | LOW VOLTAGE |
| LVR | LOW VOLTAGE RELAY |
| MCB | MAIN CIRCUIT BREAKER |
| MCC | MOTOR CONTROL CENTER |
| MCCB | MOLDED CASE CIRCUIT BREAKER |
| MIN | MINIMUM |
| MLO | MAIN LUGS ONLY |
| N | NEUTRAL |
| N/A, NA | NOT APPLICABLE |
| NC | NORMALLY CLOSED |
| NEC | NATIONAL ELECTRIC CODE |
| NEMA | NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION |
| NTS | NOT TO SCALE |
| P | POLE |
| PB | PULL BOX |
| PH, Ø | PHASE |
| REC, RECP | RECEPTACLE |
| SPD | SURGE PROTECTIVE DEVICE |
| SW | SWITCH |
| SWBD | SWITCHBOARD |
| SWGR | SWITCHGEAR |
| TYP | TYPICAL |
| UON | UNIVERSAL SERIAL BUS |
| UPS | UNLESS OTHERWISE NOTED |
| V | VOLTS |
| VA | VOLT AMPERES |
| W | WATT |
| WP | WEATHERPROOF |
| XFR, XFMR | TRANSFORMER |

## ELECTRICAL EQUIPMENT NAMING LEGEND

### EXAMPLES

**MAIN EQUIPMENT**

SWBD - C B
- E FLOOR
- C BUILDING OR RISER
- A TYPE OF EQUIPMENT

**NORMAL POWER EQUIPMENT**

DP-T 2-H A
- F SEQUENCE NUMBER
- E VOLTAGE
- D FLOOR
- C BUILDING OR RISER
- A TYPE OF EQUIPMENT

LP-T 2-A
- F SEQUENCE NUMBER
- D FLOOR
- C BUILDING OR RISER
- A TYPE OF EQUIPMENT

RP-IG-T 2
- D FLOOR
- C BUILDING OR RISER
- B DISTRIBUTION BRANCH
- A TYPE OF EQUIPMENT

**EMERGENCY POWER EQUIPMENT**

EDP-LR-C 2-H A
- F SEQUENCE NUMBER
- E VOLTAGE
- D FLOOR
- C BUILDING OR RISER
- B DISTRIBUTION BRANCH
- A TYPE OF EQUIPMENT

### (A) TYPE OF EQUIPMENT

SWGR : SWITCHGEAR
SWBD : SWITCHBOARD
DP : DISTRIBUTION PANEL
PP : POWER PANEL
LP : LTG PANELBOARD
RP : RECEPT PANELBOARD
KP : KITCHEN PANELBOARD
AP : APPLIANCE PANELBOARD

EM-SWGR: EM MAIN SWITCHGEAR
EM-SWBD: EM MAIN SWITCHBOARD
EDP : EM DISTRIBUTION PANEL
ELP : EM LTG PANELBOARD
ERP : EM RECEPT PANELBOARD
EAP : EM APPLIANCE PANELBOARD

T : TRANSFORMER
ATS : AUTOMATIC TRANSFER SWITCH

### (B) DISTRIBUTION BRANCH

IG : ISOLATED GROUND
LS: EMERGENCY LIFE SAFETY
LR: EMERGENCY LEGALLY REQUIRED
SB: EMERGENCY STANDBY
CB: CRITICAL BRANCH
OR: OPERATING ROOM

### (C) BUILD / WING OR RISER

N: NORTH
S: SOUTH

### (D) FLOOR

B : BASEMENT
1 : FIRST FLOOR
2 : SECOND FLOOR
3 : THIRD FLOOR
4 : FOURTH FLOOR
R : ROOF

### (E) DISTRIBUTION VOLTAGE

H : 480/277V
L : 208/120V

### (F) SEQUENCE NUMBER

'A' THROUGH LAST LETTER NEEDED FOR EACH TYPE OF EQUIPMENT ON EACH LEVEL

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SUBMISSIONS:

| Ref | Description | Date |
|---|---|---|
| A | Schematic | 03/04/2022 |
| B | 30% CDs | 08/18/2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA
Wind Retrofit & Safe Room

ELECTRICAL SYMBOLS & ABBREVIATIONS

NOT FOR CONSTRUCTION

REVISIONS:

| No. | Description | Date |
|---|---|---|
| | | |

DRAWN BY: Author
CHECKED BY: Checker
DATE:

NOVUS JOB NUMBER
2018_0801

SHEET NUMBER
E-001

# ELECTRICAL GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS. MAINTAIN HEADROOM AND SPACE CONDITIONS CONSISTENT WITH PROJECT CRITERIA.
2. INSTALLATION SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE ADOPTED, ALL LOCAL CODES AND ORDINANCES.
3. WORK SHALL INCLUDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND NECESSARY SERVICES TO FURNISH AND INSTALL ALL ELECTRICAL WORK AS INDICATED ON THE DRAWINGS AND THE SPECIFICATIONS. THE WORD "PROVIDE", SHALL MEAN FURNISHING AND INSTALLATION OF THE ITEMS INDICATED. ALL ITEMS SHOWN SHALL BE PROVIDED AS NEW UNLESS OTHERWISE NOTED. THE PROJECTS WILL BE A SINGLE PRIME ELECTRICAL CONTRACT. THE ELECTRICAL PRIME CONTRACTOR WILL SUBCONTRACT NON-ELECTRICAL WORK NOT PERFORMED BY THEM TO INCLUDE THE GENERAL CONSTRUCTION. THE PRIME CONTRACTOR AND ALL SUB-CONTRACTORS SHALL BE LICENSED IN THE LOCAL JURISDICTIONS, WITH THE AUTHORITIES HAVING JURISDICTIONS, IN THEIR RESPECTIVE TRADE OF WORK.
4. MINIMUM WIRE SIZE FOR POWER AND LIGHTING CIRCUITS SHALL BE #12 AWG, TYPE XHHW-2, LSZH, LOW SMOKE, ZERO HALOGEN WIRE. NO SUBSTITUTION WILL BE ALLOWED.
5. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CEILING WORK WITH CEILING CONTRACTOR AND DETERMINE CEILING TYPE FOR INSTALLATION OF LIGHTING FIXTURES, SPEAKERS, SMOKE DETECTORS, EXIT LIGHTS, ETC. ELECTRICAL WORK SHALL ALSO BE COORDINATED WITH LOCATION OF DIFFUSERS, SPRINKLERS AND OTHER TRADES.
6. EXACT LOCATION AND MOUNTING OF LIGHTING FIXTURES IN MECHANICAL AREAS SHALL BE COORDINATED WITH THE MECHANICAL TRADES TO AVOID CONFLICT WITH PIPING, DUCTS AND EQUIPMENT. IN GENERAL, THE FINAL LOCATION OF LIGHTING FIXTURES SHALL BE GOVERNED BY THE NEED OF TASK LIGHTING FOR EQUIPMENT AND EGRESS.
7. EXACT LOCATION OF OUTLETS, LIGHTING FIXTURES, SWITCHES, ETC.SHALL BE VERIFIED WITH ARCHITECTURAL DRAWINGS. HEIGHTS OF OUTLETS FROM FINISHED FLOOR TO CENTERLINE OF OUTLET SHALL BE AS SHOWN ON ARCHITECTURAL DRAWINGS.
8. PULL BOXES SHALL BE PROVIDED, FOR ALL CONDUIT RUNS EXCEEDING 270 DEGREES IN BENDS, AS INDICATED ON DRAWINGS AND WHERE REQUIRED BY FIELD CONDITIONS TO FACILITATE PULLING OF WIRE, COORDINATE LOCATION WITH OTHER TRADES. COVERS OF JUNCTION AND PULL BOXES SHALL BE ACCESSIBLE. FOR EMPTY RACEWAY RUNS PULL BOXES SHALL BE PROVIDED EVERY 100 FEET OR AS INDICATED.
9. SEPARATE BOXES OR WIREWAYS SHALL BE PROVIDED FOR EMERGENCY LIFE SAFETY AND NORMAL WIRING.
10. ALL SUPPORTS TO BUILDING STRUCTURE SHALL BE SECURED AS NOTED IN THE SPECIFICATIONS. HORIZONTAL RUNS OF METALLIC CONDUIT SHALL BE SUPPORTED AT INTERVALS OF NOT MORE THAN 10 FEET APART. RACEWAY RISERS SHALL BE SUPPORTED AT EACH FLOOR LEVEL. EXPOSED RACEWAYS SHALL RUN PARALLEL WITH OR AT RIGHT ANGLES TO WALLS.
11. ALL REQUIRED ACCESS DOORS SHALL BE FURNISHED UNDER THE ELECTRICAL SECTION AND INSTALLED UNDER GENERAL CONSTRUCTION. ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY THE ARCHITECT PRIOR TO INSTALLATION.
12. NO ELECTRICAL RACEWAYS SHALL BE INSTALLED WITHIN 3 INCHES OF STEAM OR HOT WATER PIPES, OR APPLIANCES, EXCEPT FOR CROSSINGS WHERE RACEWAYS SHALL BE AT LEAST 1 INCH FROM PIPE COVER.
13. EXPANSION FITTINGS WITH BONDING JUMPER SHALL BE PROVIDED WHERE CONDUIT CROSS EXPANSION JOINTS AND RUNS OVER 150'. CONTRACTOR SHALL REFER TO ARCHITECTURAL,STRUCTURAL DRAWINGS FOR EXACT NUMBER, LENGTHS AND LOCATIONS OF EXPANSION JOINTS.
14. TWO (2) PROTECTIVE COATS OF ASPHALTUM COMPOUND SHALL BE PROVIDED FOR ANY GALVANIZED STEEL CONDUIT DIRECTLY BURRIED IN EARTH.
15. CONDUIT TO MOTOR TERMINAL BOXES SHALL BE CONNECTED WITH "SEALTITE" FLEXIBLE CONDUIT; MINIMUM 18 INCHES IN LENGTHS WITH 50 PERCENT SLACK. RACEWAYS SHALL NOT BE TERMINATED IN, OR FASTENED TO MOTOR FOUNDATION.
16. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL LUG KITS/COPPER BUS DETAILS AS REQUIRED FOR OVER SIZED FEEDERS. LUGS SHALL BE COPPER-PRESSURE PLATE TYPE, UP TO NO. 6 & COMPRESSION TYPE FOR LARGER SIZE CONDUCTOR.
17. EXPOSED NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT & RACEWAYS SHALL BE GROUNDED. THE CONTRACTOR SHALL ENSURE CONTINUITY OF THE GROUNDING CIRCUIT THROUGH THIS GROUNDING CONDUCTOR FROM THE SUPPLYING PANELBOARD GROUNDING BUS TO THE LOAD GROUND TERMINAL. THE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
18. ALL EXIT SIGNS SHALL BE CONNECTED TO DEDICATED CIRCUITS AND CONNECTED TO DESIGNATED PANEL LOCKABLE TYPE CIRCUIT BREAKERS AS DIRECTED ON DRAWINGS.

# GROUNDING SYSTEM NOTES

1. UTILIZE A SEPARATE INSULATED CONDUCTOR AS THE EQUIPMENT GROUNDING CONDUCTOR FOR ALL POWER SYSTEM CIRCUITS, SIZED AS REQUIRED.
2. THE GROUNDING SYSTEM SHALL CONSIST OF CONDUCTORS, CONNECTORS AND ALL OTHER NECESSARY EQUIPMENT REQUIRED TO PROVIDE A COMPLETE GROUND SYSTEM FOR ELECTRICAL WORK. THE GROUND SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF THE CURRENT NEC.
3. THE COMPLETE GROUNDING SYSTEM SHALL BE MECHANICALLY AND ELECTRICALLY CONNECTED TO PROVIDE AN INDEPENDENT LOW IMPEDANCE RETURN PATH TO THE GROUNDING SOURCE.
4. THE GROUNDING LOOP CONDUCTOR SHALL BE #4/0 CONDUCTOR UON, AND RAN MINIMUM 18" FROM OUTSIDE THE BUILDING ENVELOPE AND 36" BELOW GRADE.
5. ALL GROUNDING CONNECTIONS WITHIN BUILDING SHALL BE ACCESSIBLE FOR PERIODIC FUTURE INSPECTIONS AND SHALL ALSO BE MADE USING SOLDERLESS CONNECTORS AS HEREIN SPECIFIED. LENGTH OF GROUNDING CONDUCTORS OR JUMPERS SHALL BE KEPT AT A MINIMUM.
6. BOLTED CONNECTIONS SHALL BE OF THE MULTIPLE BOLT-TYPE. BOLTS, WASHERS AND STOP NUTS SHALL BE OF THE HIGH COPPER ALLOY EVERDUR, DURUM, DURONZE OR SILICON BRONZE. FERROUS HARDWARE WILL NOT BE ACCEPTABLE.
7. EQUIPMENT GROUND
   - A. EQUIPMENT GROUNDING SHALL CONSIST OF CONNECTING ALL NON-CURRENT CARRYING METAL PARTS OF THE WIRING SYSTEM TO A GROUND SOURCE.
   - B. GROUND SOURCE SHALL BE THE TERMINAL OF THE GROUNDED CONDUCTOR IN THE SERVICE EQUIPMENT
   - C. CONDUIT GROUNDING BUSHINGS SHALL BE PROVIDED ON ALL INCOMING AND OUTGOING CONDUITS TO THE SERVICE EQUIPMENT.
   - D. NON-CURRENT CARRYING METAL PARTS SHALL INCLUDE SUCH ITEMS AS METAL CONDUITS, RACEWAYS, OUTLET BOXES, CABINETS AND SIMILAR COMPONENT PARTS OF ALL ELECTRICAL AND NON-ELECTRICAL EQUIPMENT AND APPARATUS.
8. GROUND TESTS
   - A. PERFORM GROUND TESTS, AS REQUIRED, IN ORDER TO ENSURE COMPLIANCE OF THE GROUNDING SYSTEM WITH THE REQUIREMENTS OF THE CURRENT NEC.
9. SERVICE GROUND SHALL CONSIST OF CONNECTING THE NEUTRAL CONDUCTOR TO THE SERVICE EQUIPMENT TO A MAIN GROUND BUS.
10. ALL CONNECTIONS TO EXSTING GROUND CONDUCTOR STUB-UPS FROM SLAB ON GRADE SHALL BE MADE USING SIMILAR CONDUCTOR SIZE/TYPE, AND BONDED AS SHOWN.
11. ALL ELECTRICAL CLOSET SHALL BE PROVIDED WITH GROUND BUS BARS TO BUILDING STEEL AND TO MAIN GROUND INFRASTRUCTURE.

# LIGHTING NOTES

1. FOR EXACT LOCATION OF ALL LIGHTING FIXTURES AND SWITCHES REFER TO THE ARCHITECTURAL REFLECTED CEILING DRAWING.
2. CIRCUITING IS INDICATED BY CIRCUIT NUMBER AND SWITCH LETTER ONLY. RUNS OF CONDUIT AND WIRE ARE NOT SHOWN.120, 20A VOLT CIRCUITS SHALL NOT EXCEED 1200 WATTS.
3. PROVIDE ALL CONDUIT AND WIRE, MC CABLE, BOXES, CEILING OUTLETS, FIXTURE WHIPS, SWITCHES AND COVER PLATES REQUIRED TO IMPLEMENT THE CIRCUITING AS INDICATED.
4. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG-TYPE BOX UNDER A COMMON COVER PLATE.
5. EXACT LOCATIONS & QUANTITIES OF ALL EXIT SIGNS SHALL BE COORDINATED WITH THE ARCHITECT EGRESS PLAN. ALL EXIT SIGNS SHALL BE CIRCUITED UNSWITCHED.
6. BEFORE INSTALLATION OF FIXTURES, EXACT LOCATION SHALL BE COORDINATED AT SITE TO ENSURE LIGHT IS NOT OBSCURED BY EQUIPMENT, DUCTWORK, CABLE TRAYS, CONDUITS, ETC.
7. REFER TO LUMINAIRE SPECIFICATION SECTION FOR DETAILED INFORMATION ON LUMINAIRE TYPES.
8. ALL LIGHTING CIRCUITED TO EMERGENCY LIGHTING PANELBOARDS AND CONTROLLED BY NETWORKED OR CENTRAL LIGHTING CONTROL SYSTEM SHALL AUTOMATICALLY SWITCH TO 100% ON DURING FAILURE OF NORMAL POWER SYSTEM.
9. WHERE TRACK LIGHTING IS SHOWN IN NON-ACCESSIBLE CEILINGS, PROVIDE TRACK PRE-WIRED WITH LENGTHS OF FLEXIBLE CONDUIT TO ACCESSIBLE LOCATIONS TO ENSURE NO JUNCTION BOXES OR ACCESS PANELS ARE REQUIRED IN THE CEILING.

# LIGHTING CONTROL NOTES

1. PROVIDE ALLOWANCE FOR A NETWORK LIGHTING CONTROL SYSTEM. INCLUDE COST FOR ASSOCIATED CONDUIT, WIRE, PROGRAMMING, TESTING AND TRAINING.
2. ALLOW FOR LIGHT SWITCHES, OCCUPANCY SENSORS. PHOTOCELL CONTROL, DIMMING & PROGRAMMABLE LIGHTING CONTROL SYSTEMS AS REQUIRED.
3. ALLOW FOR TIME CLOCK, OCCUPANCY SENSOR & LOCAL CONTROL.
4. RELAY PANELS SHALL BE LOCATED IN EACH ELECTRICAL CLOSET.
5. PROVIDE ALLOWANCE FOR CONDUIT AND WIRE FOR OUTDOOR/LANDSCAPE LIGHTING. INCLUDE COST FOR EXCAVATION AND BACKFILLING.

# ELECTRICAL AND LOW VOLTAGE SYSTEMS DIVISION OF WORK

| SYSTEM | RISER CONDUIT | CABLE TRAY | DEVICE CONDUIT | OUTLET BOXES | DEVICES | WIRING | JACKS | WALL PLATES |
|---|---|---|---|---|---|---|---|---|
| ELECTRICAL | BY EC | BY EC | BY EC | BY EC | BY EC | BY EC | NA | BY EC |
| FIRE ALARM | BY EC | BY EC | BY EC | BY EC | BY EC | BY EC | BY EC | BY EC |
| IT | BY EC | BY EC | BY EC | BY EC | BY IT | BY IT | BY IT | BY IT |
| AV | BY EC | BY EC | BY EC | BY EC | BY AV | BY AV | BY AV | BY AV |
| SECURITY | BY EC | BY EC | BY EC | BY EC | BY SECURITY | BY SECURITY | BY SECURITY | BY SECURITY |
| DIVISION 23 (CONTROLS) | BY DIV 23 (CONTROLS) | BY DIV 23 (CONTROLS) | BY DIV 23 (CONTROLS) | BY DIV 23 (CONTROLS) | BY DIV 23 (CONTROLS) | BY DIV 23 (CONTROLS) | BY DIV 23 (CONTROLS) | BY DIV 23 (CONTROLS) |

| ABBREVIATIONS: | |
|---|---|
| EC - ELECTRICAL CONTRACTOR. | AV-AUDIO VISUAL CONTRACTOR |
| IT - INFORMATION TECHNOLOGY CONTRACTOR | NA-NOT APPLICABLE |

# ELECTRICAL (DIVISION 26) AND MECHANICAL (DIVISION 21, 22 & 23) DIVISION OF WORK

| EQUIPMENT | SUPPLY | INSTALLATION | POWER WIRING | CONTROL WIRING | REMARKS |
|---|---|---|---|---|---|
| MOTORS | DIV 21, 22 & 23 | DIV 21, 22 & 23 | DIV 26 | DIV 23 CONTROLS | |
| LOCAL DISCONNECT SWITCHES | DIV 26 | DIV 26 | DIV 26 | DIV 26 | |
| MOTOR CONTROLLERS | DIV 26 | DIV 26 | DIV 26 | DIV 23 CONTROLS | (COMBINATION STARTER DISCONNECTS) |
| VFDS | DIV 23 | DIV 26 | DIV 26 | DIV 23 CONTROLS | PIPING, DUCTWORK CANNOT BE LESS THAN 6'-0" ABOVE EQUIPMENT |
| MOTOR CONTROL CENTERS | DIV 26 | DIV 26 | DIV 26 | DIV 23 CONTROLS | |
| 120V FIRE SMOKE DAMPER | DIV 23 | DIV 23 | DIV 26 | DIV 23 CONTROLS | EC PROVIDES 120v |
| 24V FIRE SMOKE DAMPER | DIV 23 | DIV 23 | DIV 26 | DIV 23 CONTROLS | EC PROVIDES 120V, 120/24V TRANSFORMER PROVIDED BY DIV 23 |
| 24V DIVISION 23 EQUIPMENT, VAV BOXES | DIV 23 | DIV 23 | DIV 26 | DIV 23 CONTROLS | EC PROVIDES 120V, 120/24V TRANSFORMER PROVIDED BY DIV 23 |
| DUCT SMOKE DETECTORS | DIV 26 | DIV 26 | DIV 26 | DIV 28 - FIRE ALARM | DIVISION 23 INSTALLS SAMPLING TUBES IN DUCTWORK. |
| SMOKE CONTROL EQUIPMENT, MOTORS | DIV 23 | DIV 23 | DIV 26 | DIV 23 CONTROLS | |
| DDC / BMS PANELS | DIV 23 | DIV 23 | DIV 26 | DIV 23 CONTROLS | EC PROVIDES 120V POWER TO PANEL, LV PROVIDED BY DIV 23. |
| EMERGENCY GENERATOR | DIV 26 | DIV 26 | DIV 26 | DIV 26 | |
| EM GENERATOR FUEL OIL SYSTEM | DIV 23 | DIV 23 | DIV 26 | DIV 23 CONTROLS | SKID MOUNTED FUEL OIL TANK (SUPPLY AND INSTALLATION) BY DIV 26. |
| EM GENERATOR SILENCER | DIV 26 | DIV 23 | NA | NA | FLEX CONNECTION AND EXHAUST PIPING BY DIV 23 |
| FIRE PUMP ATS AND MOTOR CONTROLLER | DIV 21 | DIV 21 | DIV 26 | DIV 23 CONTROLS | |
| WATER PUMP MOTOR CONTROLLERS | DIV 22 | DIV 22 | DIV 26 | DIV 23 CONTROLS | |
| SPRINKLER FLOW AND TAMPER SWITCHES | DIV 21 | DIV 21 | DIV 26 | DIV 28 - FIRE ALARM | |
| HEAT TRACING | DIV 15 | DIV 15 | DIV 26 | DIV 23 CONTROLS | |
| MOTORIZED VALVES, ACTUATORS, ETC. | DIV 21, 22 & 23 | DIV 21, 22 & 23 | DIV 26 | DIV 23 CONTROLS | |

# MECHANICAL EQUIPMENT WIRING SCHEDULE

| EQUIPMENT | PANELBOARD | HP | KW | KVA | VOLT | PROTECTIVE DEVICE | | | FEEDER | | | | | STARTER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | PD | Ø | RATING | WIRE PER/SET | SETS | COND | WIRE SIZE | +GND | |
| ACCU-1 | PP-S1 | | | 16.6 | 208 | Ckt Brk | 3 | 90 | 3 | 1 | 1-1/4" | 4 | 8 | |
| ACCU-2 | PP-S1 | | | 19.22 | 208 | Ckt Brk | 3 | 100 | 3 | 1 | 1-1/4" | 4 | 8 | |
| ACCU-5A | PP-S1 | | | 2.7 | 208 | Ckt Brk | 3 | 15 | 3 | 1 | 3/4" | 12 | 12 | |
| ACCU-5B | PP-S1 | | | 2.7 | 208 | Ckt Brk | 3 | 15 | 3 | 1 | 3/4" | 12 | 12 | |
| ACCU-6A | PP-S1 | | | 2.7 | 208 | Ckt Brk | 3 | 15 | 3 | 1 | 3/4" | 12 | 12 | |
| ACCU-6B | PP-S1 | | | 2.7 | 208 | Ckt Brk | 3 | 15 | 3 | 1 | 3/4" | 12 | 12 | |
| ACCU-7A | PP-S1 | | | 2.7 | 208 | Ckt Brk | 3 | 15 | 3 | 1 | 3/4" | 12 | 12 | |
| ACCU-7B | PP-S1 | | | 2.7 | 208 | Ckt Brk | 3 | 15 | 3 | 1 | 3/4" | 12 | 12 | |
| ACCU-8A | PP-S1 | | | 2.7 | 208 | Ckt Brk | 3 | 15 | 3 | 1 | 3/4" | 12 | 12 | |
| ACCU-8B | PP-S1 | | | 2.7 | 208 | Ckt Brk | 3 | 15 | 3 | 1 | 3/4" | 12 | 12 | |
| DOAS-1 | PP-S1 | | | | 208 | Ckt Brk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | | | | | | | | | | |
| ACCU-3-1 | PP-N1 | | | 14.76 | 208 | Ckt Brk | 3 | 80 | 3 | 1 | 1-1/4" | 6 | 8 | |
| ACCU-3-2 | PP-N1 | | | 8.28 | 208 | Ckt Brk | 3 | 45 | 3 | 1 | 3/4" | 10 | 10 | |
| ACCU-3-3 | PP-N1 | | | 8.28 | 208 | Ckt Brk | 3 | 45 | 3 | 1 | 3/4" | 10 | 10 | |
| ACCU-4 | PP-N1 | | | 20.77 | 208 | Ckt Brk | 3 | 125 | 3 | 1 | 1-1/2" | 2 | 6 | |
| DOAS-2 | PP-N1 | | | | 208 | Ckt Brk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | | | | | | | | | | |

# FEEDER SCHEDULE

| ALL CONDUITS ARE EMT, CONDUCTORS ARE COPPER XHHW, 600V GRADE U.O.N. | | | | | | EGC FOR MULTIPLE SETS | | | | | EGC FOR MULTIPLE SETS | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TAG | CONDUIT & WIRE | TAG | CONDUIT & WIRE | TAG | CONDUIT & WIRE | 2 | 3 | 4 | TAG | CONDUIT & WIRE | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| P20A | 3#12 - 3/4"C | P70A | 3#4 - 1-1/4"C | P150A | 3#1/0 - 1-1/2"C | | | | P285A | (3)300MCM - 2-1/2"C | | | | | | | | | | | | | |
| P20B | 3#12 + #12G - 3/4"C | P70B | 3#4 + #8G - 1-1/4"C | P150B | 3#1/0 + #4G - 1-1/2"C | 1#3G | 1#2G | 1#1G | P285B | (3)300MCM + #2G - 2-1/2"C | 1#1G | 1#2/0G | 1#3/0G | 1#4/0G | 1#250G | 1#250G | 1#350G | 1#400G | 1#400G | 1#500G | 1#500G | 1#500G | 1#500G |
| P20C | 4#12 - 3/4"C | P70C | 4#4 - 1-1/4"C | P150C | 4#1/0 - 1-1/2"C | | | | P285C | (4)300MCM - 2-1/2"C | | | | | | | | | | | | | |
| P20D | 4#12 + #12G - 3/4"C | P70D | 4#4 + #8G - 1-1/4"C | P150D | 4#1/0 + #4G - 2"C | 1#3G | 1#2G | 1#1G | P285D | (4)300MCM + #2G - 3"C | 1#1G | 1#2/0G | 1#3/0G | 1#4/0G | 1#250G | 1#250G | 1#350G | 1#400G | 1#400G | 1#500G | 1#500G | 1#500G | 1#500G |
| P20E | 3#12 + #8N+12G - 3/4"C | P70E | 3#4 + #1N+#8G - 1-1/2"C | P150E | 3#1/0 + 2#1/0N+#4G - 2"C | 1#3G | 1#2G | 1#1G | P285E | (3)300MCM + (2)300MCMN+#2G- 3"C | 1#1G | 1#2/0G | 1#3/0G | 1#4/0G | 1#250G | 1#250G | 1#350G | 1#400G | 1#400G | 1#500G | 1#500G | 1#500G | 1#500G |
| P30A | 3#10 - 3/4"C | P85A | 3#3 - 1-1/4"C | P175A | 3#2/0 - 2"C | | | | P310A | (3)350MCM - 3"C | | | | | | | | | | | | | |
| P30B | 3#10 + #10G - 3/4"C | P85B | 3#3 + #8G - 1-1/4"C | P175B | 3#2/0 + #4G - 2"C | 1#3G | 1#1G | 1#1/0G | P310B | (3)350MCM + #2G - 3"C | 1#1/0G | 1#2/0G | 1#4/0G | 1#4/0G | 1#250G | 1#350G | 1#350G | 1#400G | 1#500G | 1#500G | 1#500G | 1#750G | 1#750G |
| P30C | 4#10 - 3/4"C | P85C | 4#3 - 1-1/4"C | P175C | 4#2/0 - 2"C | | | | P310C | (4)350MCM - 3"C | | | | | | | | | | | | | |
| P30D | 4#10 + #10G - 3/4"C | P85D | 4#3 + #8G - 1-1/2"C | P175D | 4#2/0 + #4G - 2"C | 1#3G | 1#1G | 1#1/0G | P310D | (4)350MCM + #2G - 3-1/2"C | 1#1/0G | 1#2/0G | 1#4/0G | 1#4/0G | 1#250G | 1#350G | 1#350G | 1#400G | 1#500G | 1#500G | 1#500G | 1#750G | 1#750G |
| P30E | 3#10 + #6N+10G - 3/4"C | P85E | 3#3 + #2/0N+#8G - 1-1/2"C | P175E | 3#2/0 + 2#2/0N+#4G- 2-1/2"C | 1#3G | 1#1G | 1#1/0G | P310E | (3)350MCM + (2)350MCMN+#2G - 3-1/2"C | 1#1/0G | 1#2/0G | 1#4/0G | 1#4/0G | 1#250G | 1#350G | 1#350G | 1#400G | 1#500G | 1#500G | 1#500G | 1#750G | 1#750G |
| P40A | 3#8 - 1"C | P95A | 3#2 - 1-1/4"C | P200A | 3#3/0 - 2"C | | | | P335A | (3)400MCM - 3-1/2"C | | | | | | | | | | | | | |
| P40B | 3#8 + #10G - 1"C | P95B | 3#2 + #6G - 1-1/4"C | P200B | 3#3/0 + #2G - 2"C | 1#3G | 1#1G | 1#1/0G | P335B | (3)400MCM + #1/0G - 3-1/2"C | 1#1/0G | 1#3/0G | 1#4/0G | 1#250G | 1#350G | 1#350G | 1#400G | 1#500G | 1#500G | 1#500G | 1#750G | 1#750G | 1#750G |
| P40C | 4#8 - 1"C | P95C | 4#2 - 1-1/4"C | P200C | 4#3/0 - 2"C | | | | P335C | (4)400MCM - 3-1/2"C | | | | | | | | | | | | | |
| P40D | 4#8 + #10G - 1"C | P95D | 4#2 + #6G - 1-1/2"C | P200D | 4#3/0 + #2G - 2"C | 1#3G | 1#1G | 1#1/0G | P335D | (4)400MCM + #1/0G - 4"C | 1#1/0G | 1#3/0G | 1#4/0G | 1#250G | 1#350G | 1#350G | 1#400G | 1#500G | 1#500G | 1#500G | 1#750G | 1#750G | 1#750G |
| P40E | 3#8 + #4N+#10G - 1"C | P95E | 3#2 + #2/0N+#6G - 1-1/2"C | P200E | 3#3/0 + 2#3/0N+#2G- 2-1/2"C | 1#3G | 1#1G | 1#1/0G | P335E | (3)400MCM + (2)400MCMN+#1/0G- 4"C | 1#1/0G | 1#3/0G | 1#4/0G | 1#250G | 1#350G | 1#350G | 1#400G | 1#500G | 1#500G | 1#500G | 1#750G | 1#750G | 1#750G |
| P55A | 3#6 - 1"C | P110A | 3#1 - 1-1/4"C | P230A | 3#4/0 - 2"C | | | | P380A | (3)500MCM - 3-1/2"C | | | | | | | | | | | | | |
| P55B | 3#6 + #8G - 1"C | P110B | 3#1 + #6G - 1-1/4"C | P230B | 3#4/0 + #2G - 2"C | 1#2G | 1#1/0G | 1#2/0G | P380B | (3)500MCM + #1/0G - 3-1/2"C | 1#1/0G | 1#3/0G | 1#4/0G | 1#250G | 1#350G | 1#400G | 1#500G | 1#500G | 1#500G | 1#750G | 1#750G | 1#750G | 1#750G |
| P55C | 4#6 - 1"C | P110C | 4#1 - 1-1/4"C | P230C | 4#4/0 - 2"C | | | | P380C | (4)500MCM - 3-1/2"C | | | | | | | | | | | | | |
| P55D | 4#6 + #8G - 1-1/4"C | P110D | 4#1 + #6G - 1-1/2"C | P230D | 4#4/0 + #2G - 2-1/2"C | 1#2G | 1#1/0G | 1#2/0G | P380D | (4)500MCM + #1/0G - 4"C | 1#1/0G | 1#3/0G | 1#4/0G | 1#250G | 1#350G | 1#400G | 1#500G | 1#500G | 1#500G | 1#750G | 1#750G | 1#750G | 1#750G |
| P55E | 3#6 + #2N+#8G - 1-1/4"C | P110E | 3#1 + #3/0N+#6G - 2"C | P230E | 3#4/0 + 2#4/0N+#2G - 2-1/2"C | 1#2G | 1#1/0G | 1#2/0G | P380E | (3)500MCM + (2)500MCMN+#1/0G- 4"C | 1#1/0G | 1#3/0G | 1#4/0G | 1#250G | 1#350G | 1#400G | 1#500G | 1#500G | 1#500G | 1#750G | 1#750G | 1#750G | 1#750G |
| | | | | P255A | (3)250MCM - 2-1/2"C | | | | | (3)600MCM - 3-1/2"C | | | | | | | | | | | | | |
| | | | | P255B | (3)250MCM + #2G - 2-1/2"C | 1#1G | 1#1/0G | 1#3/0G | P420B | (3)600MCM + #1/0G - 3-1/2"C | 1#2/0G | 1#4/0G | 1#250G | 1#350G | 1#400G | 1#400G | 1#500G | 1#500G | 1#750G | 1#750G | 1#1000G | 1#1000G | 1#1000G |
| | | | | P255C | (4)250MCM - 2-1/2"C | | | | P420C | (4)600MCM - 3-1/2"C | | | | | | | | | | | | | |
| | | | | P255D | (4)250MCM + #2G - 3"C | 1#1G | 1#1/0G | 1#3/0G | P420D | (4)600MCM + #1/0G - 4"C | 1#2/0G | 1#4/0G | 1#250G | 1#350G | 1#400G | 1#400G | 1#500G | 1#500G | 1#750G | 1#750G | 1#1000G | 1#1000G | 1#1000G |
| | | | | P255E | (3)250MCM + (2)250MCMN+#2G - 3"C | 1#1G | 1#1/0G | 1#3/0G | P420E | (3)600MCM + (2)600MCMN+#1/0G- 4"C | 1#2/0G | 1#4/0G | 1#250G | 1#350G | 1#400G | 1#400G | 1#500G | 1#500G | 1#750G | 1#750G | 1#1000G | 1#1000G | 1#1000G |

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OFFICE OF DISASTER RECOVERY — ST. CROIX · ST. THOMAS · ST. JOHN

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ELECTRICAL NOTES & SCHEDULES

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1 ELECTRICAL OVERALL SITE PLAN
Scale: 1/16" = 1'-0"

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ELECTRICAL SITE

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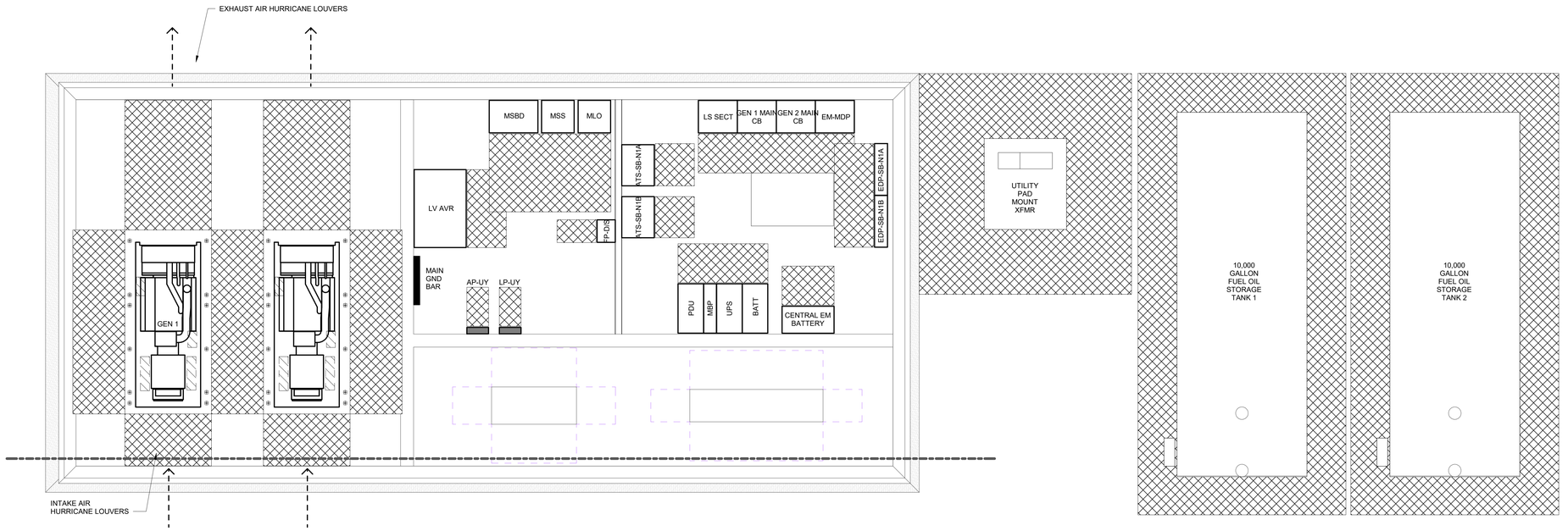
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1 ENLARGED UTILITY BUILDING PLOT PLAN

Scale: 1/4" = 1'-0"

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UTILITY BUILDING PLAN

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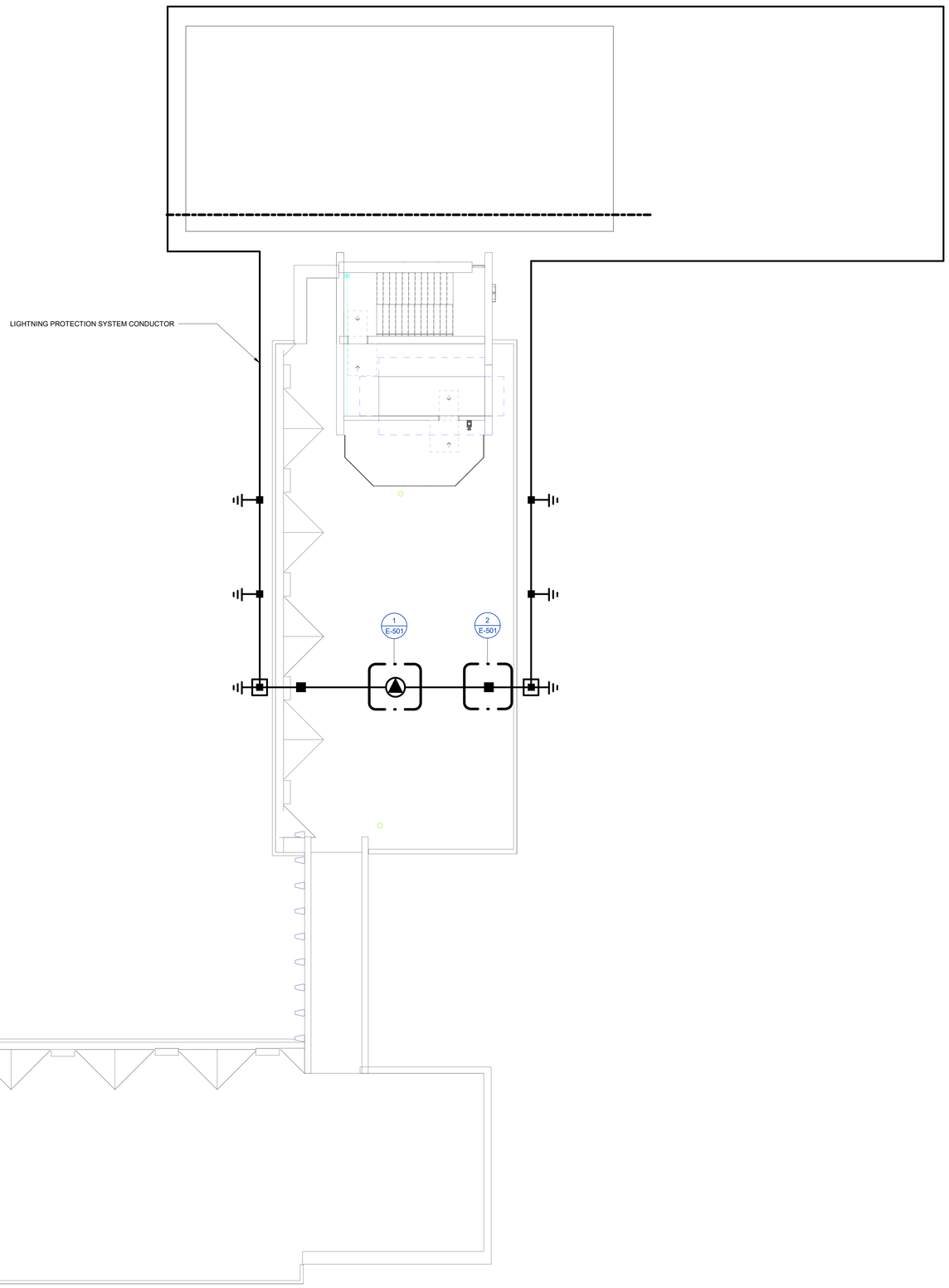
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1 LIGHTNING PROTECTION PLAN
Scale: 1/8" = 1'-0"

## LIGHTNING PROTECTION SYSTEM INSTALLATION NOTES:

1. INSTALLATION SHALL CONFORM TO THESE DRAWINGS. ALL ALTERATIONS SHALL BE APPROVED BY THE DESIGNER BEFORE ALTERATIONS.
2. FIELD VERY PROTECTION REQUIREMENTS AND COMMUNICATE ANY DISCREPANCIES AND/OR DEFICIENCIES WITH THE SYSTEM DESIGNER PRIOR TO INSTALLATION.
3. ACTUAL JOB SITE CONDITIONS MAY NECESSITATE SLIGHT ALTERATIONS OF AIR TERMINAL, MAST AND GROUND LOCATIONS. ANY ALTERATIONS SHALL BE APPROVED BY THE SYSTEM DESIGNER PRIOR TO THEIR EXECUTION.
4. NO BEND OF CONDUCTOR SHALL FORM A FINAL INCLUDED ANGLE OF LESS THAN 90 DEGREES AND ALL BENDS SHALL HAVE A MINIMUM RADIUS OF 8 INCHES.
5. ALL LIGHTNING PROTECTION CONDUCTORS SHALL BE FASTENED AT A MINIMUM OF EVERY 36 INCHES ON CENTER.
6. CONNECTIONS TO GROUND RODS OR GROUND LOOP SHALL BE MADE AT A POINT NO LESS THAN 24" AWAY FROM THE FOUNDATION OR FOOTING AND NOT LESS THAN 12" BELOW GRADE.
7. THE COMPLETE LIGHTNING PROTECTION GROUND SYSTEM SHALL HAVE NO MORE THAT 10 ohms OF RESISTANCE AS MEASURES BY THE IEEE FALL OF POTENTIAL METHOD.
8. ALL METAL BODIES OF CONDUCTANCE OR INDUCTANCE WITHIN 15' 0" OF A LIGHTNING PROTECTION CONDUCTOR SHALL BE BONDED TO THE LIGHTNING PROTECTION SYSTEM.
9. ALL INCOMING ELECTRICAL, TELEPHONE, DATA, RADIO, AND TELEVISION SERVICES SHALL BE EQUIPPED WITH SURGE SUPPRESSION DEVICES. UNLESS SPECIFIED OTHERWISE THE REQUIRED SURGE SUPPRESSION DEVICES SHALL BE FURNISHED AND INSTALLED BY THE RESPECTIVE SYSTEM VENDOR, NOT NLP.
10. ALL POTENTIAL GROUND SOURCES THAT ENTER A STRUCTURE FROM BELOW GRADE (EARTH) MUST BE INTERCONNECTED TO THE LIGHTNING PROTECTION SYSTEM.
11. ALL REQUIRED 1" SCH 40 PVC CONDUIT SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AT LOCATIONS DESIGNATED BY NLP. CONDUIT SHALL MAINTAIN A CONTINUOUS AND DIRECT ROUTE TO GROUND WITH NO MORE THAN 360 DEGREES OF CUMULATIVE BEND IN ANY SINGLE RUN.
12. ALL REQUIRED SEALING AND/OR FLASHING OF ROOF PENETRATION SHALL BE FURNISHED AND INSTALLED BY THE ROOFING CONTRACTOR.
13. ANY ROOF PADS, PAVERS, SLIP SHEETS, BATTEN STRIPS, OR SPECIAL REQUIREMENTS OF THE ROOF SYSTEM MANUFACTURER FOR ROOF MOUNTED LIGHTNING PROTECTION EQUIPMENT SHALL BE FURNISHED.
14. ALL GROUNDING MATERIAL INSTALLATION SHALL BE COORDINATED WITH OTHER BELOW GRADE WORK S AVOID INTERFERENCE.
15. THE LIGHTNING PROTECTION MAST AND MAST BASE INSTALLATION SHALL BE COORDINATED WITH THE PROJECT STRUCTURAL ENGINEER.
16. IT IS THE RESPONSIBILITY OF THE LIGHTNING PROTECTION CONTRACTOR TO REVIEW THE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS TO ENSURE ALL NECESSARY MATERIALS ARE INCLUDED IN THEIR SCOPE OF WORK TO PROVIDE A COMPLETE ESTIMATE.
17. PART NUMBERS SHOWN ARE THOSE OF:
    National Lightning Protection Corp.
    13550 Smith Road, Suite 150
    Aurora, Colorado 80011
    (303) 295-1695 office
    estimates@nlpcorp.com
    www.theprotectionsource.com

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LIGHTNING PROTECTION PLAN

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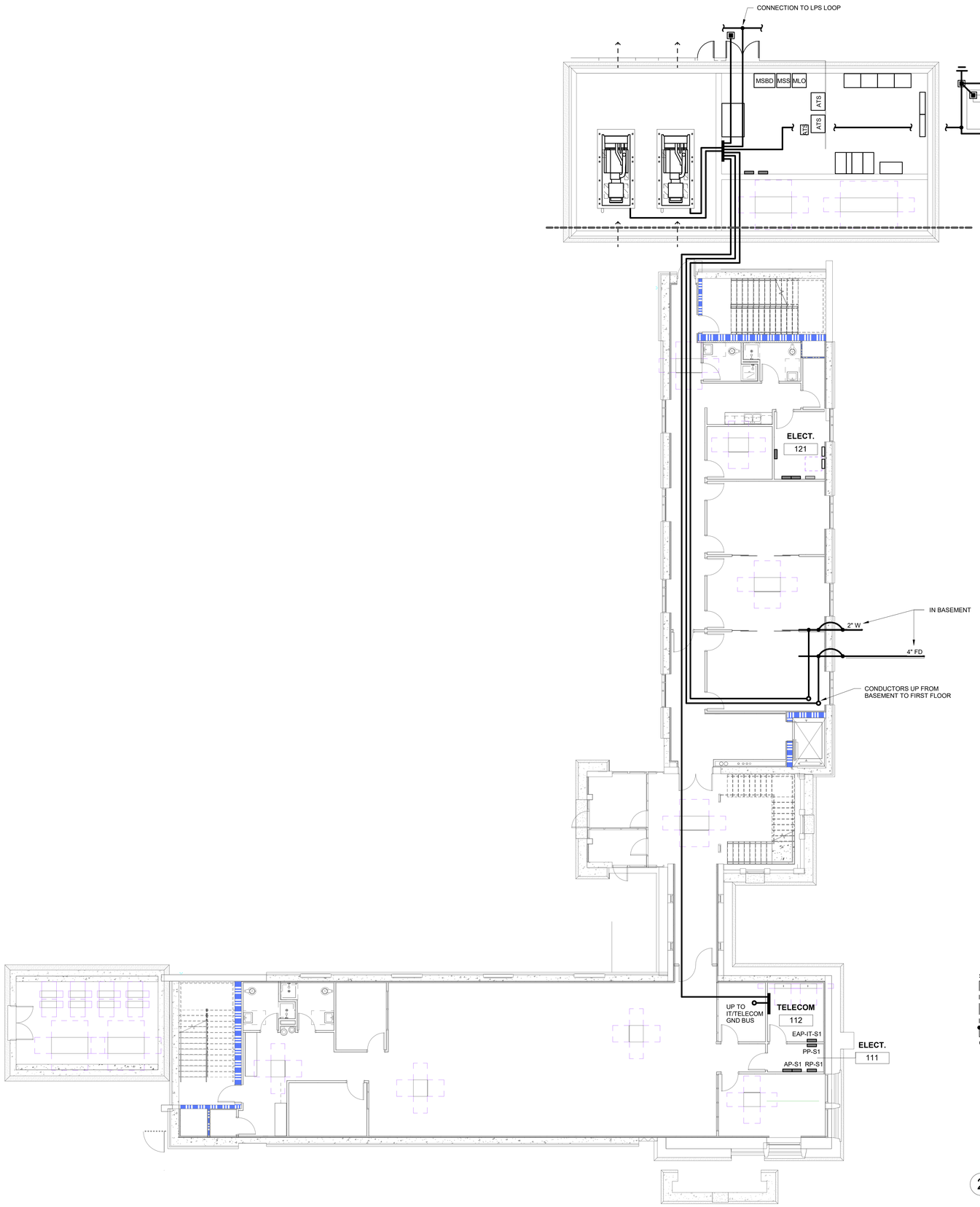
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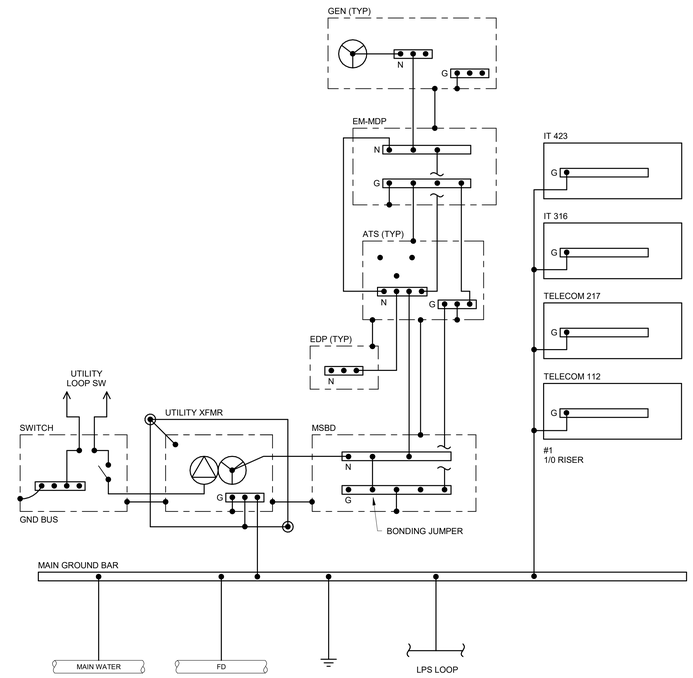
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1 GROUNDING PLAN
Scale: 1/8" = 1'-0"




2 GROUNDING SINGLE LINE
Scale: N.T.S.

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GROUNDING PLAN

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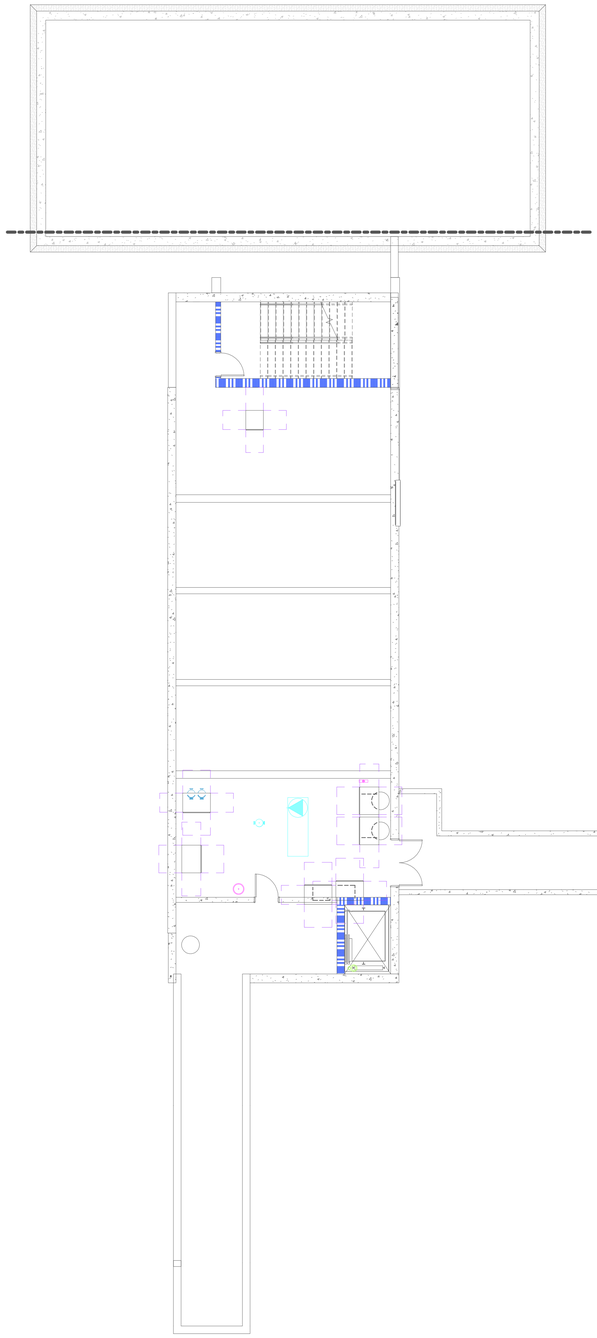
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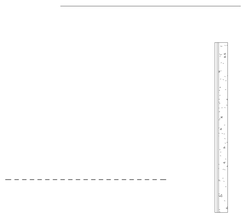
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1 BASEMENT POWER PLAN
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BASEMENT POWER PLAN

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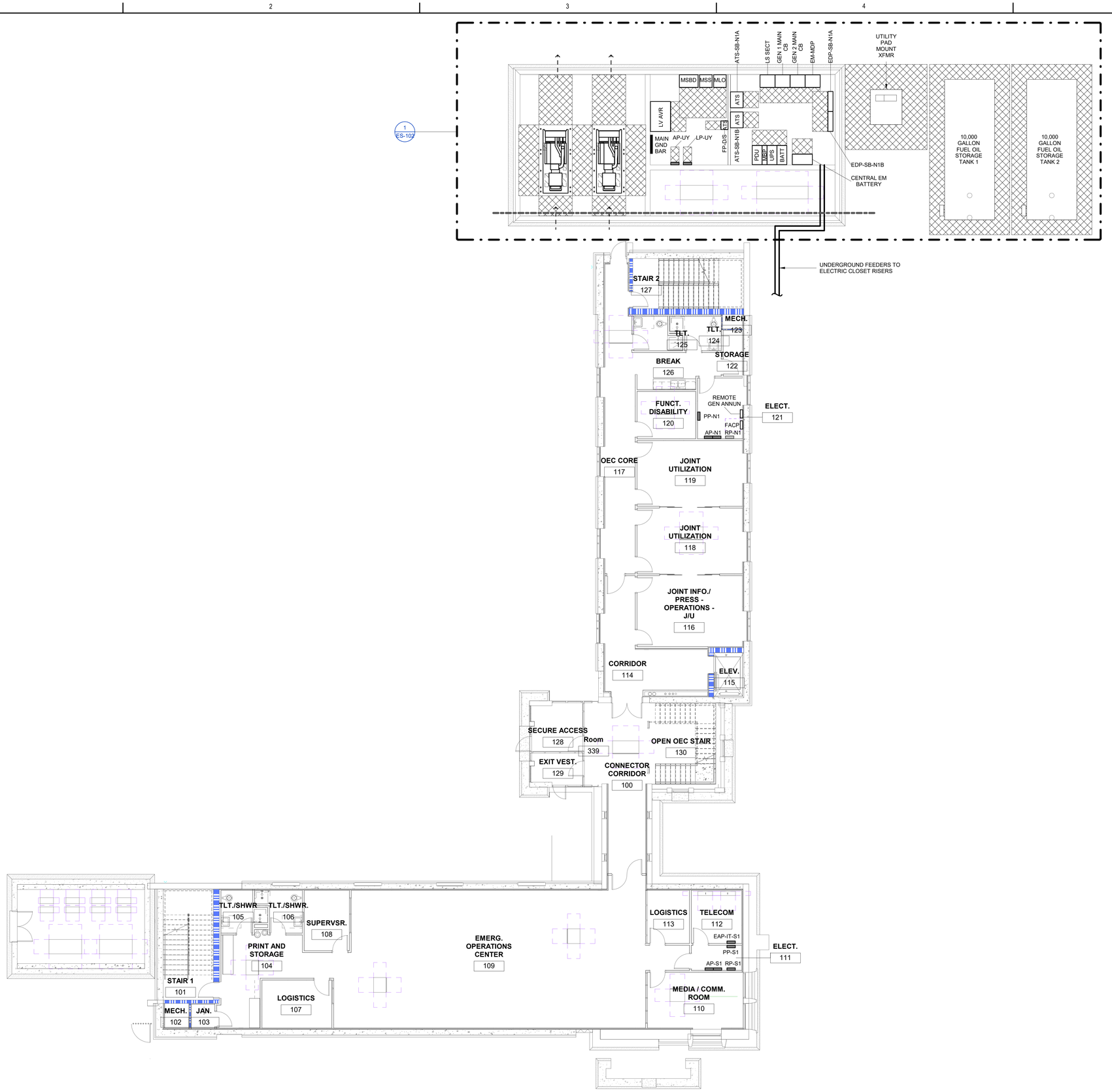
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1 FIRST FLOOR POWER PLAN
Scale: 1/8" = 1'-0"

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FIRST FLOOR POWER PLAN

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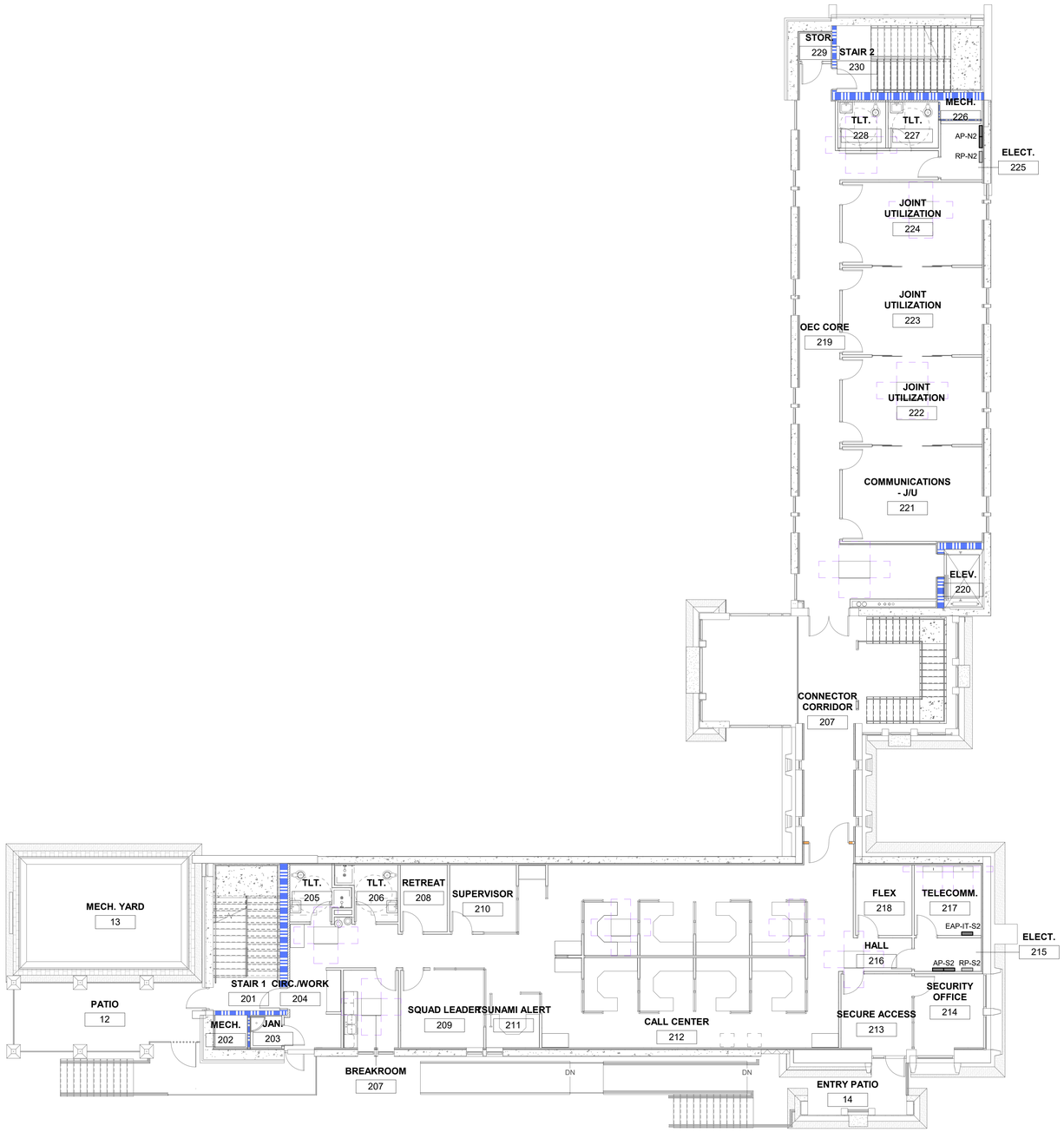
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DATE:

NOVUS JOB NUMBER
2018_0801

SHEET NUMBER
E-111




1 SECOND FLOOR POWER PLAN

Scale: 1/8" = 1'-0"

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| A | Schematic | 03/04/2022 |
| B | 30% CDs | 08/18/2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA

Wind Retrofit & Safe Room

SECOND FLOOR POWER PLAN

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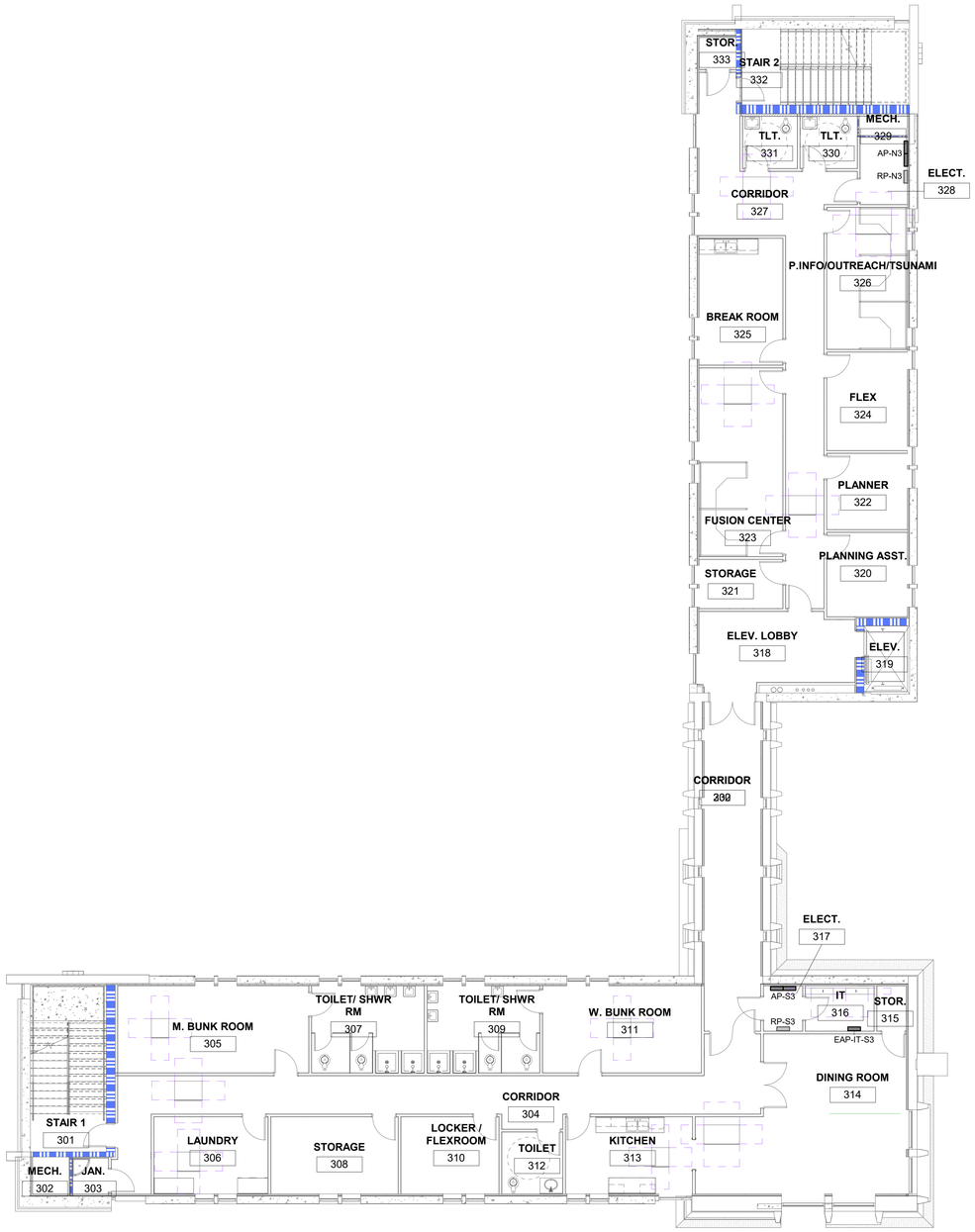
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1 THIRD FLOOR POWER PLAN

Scale: 1/8" = 1'-0"

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THIRD FLOOR POWER PLAN

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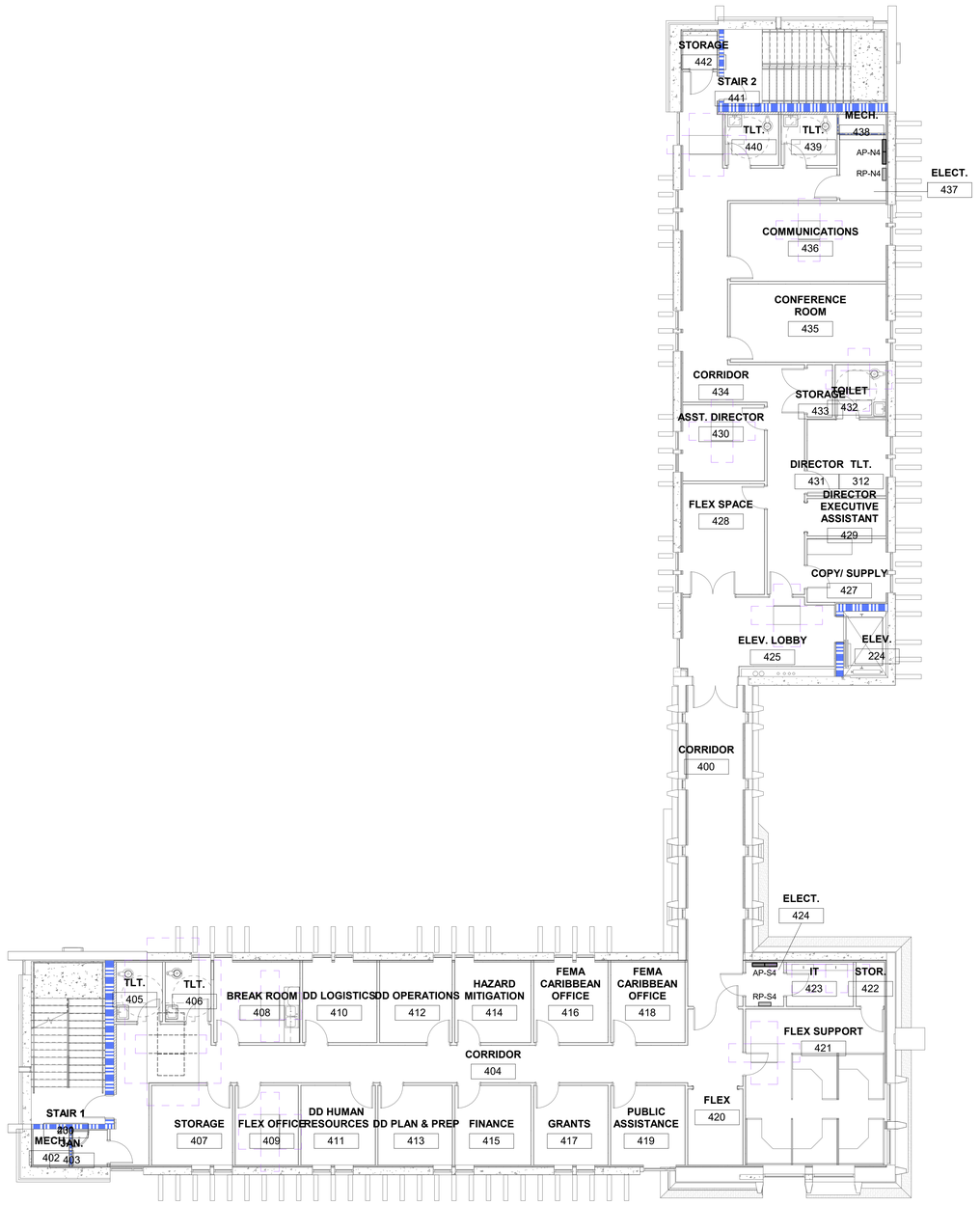
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SHEET NUMBER

E-131




1 FOURTH FLOOR POWER PLAN
Scale: 1/8" = 1'-0"

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FOURTH FLOOR POWER PLAN

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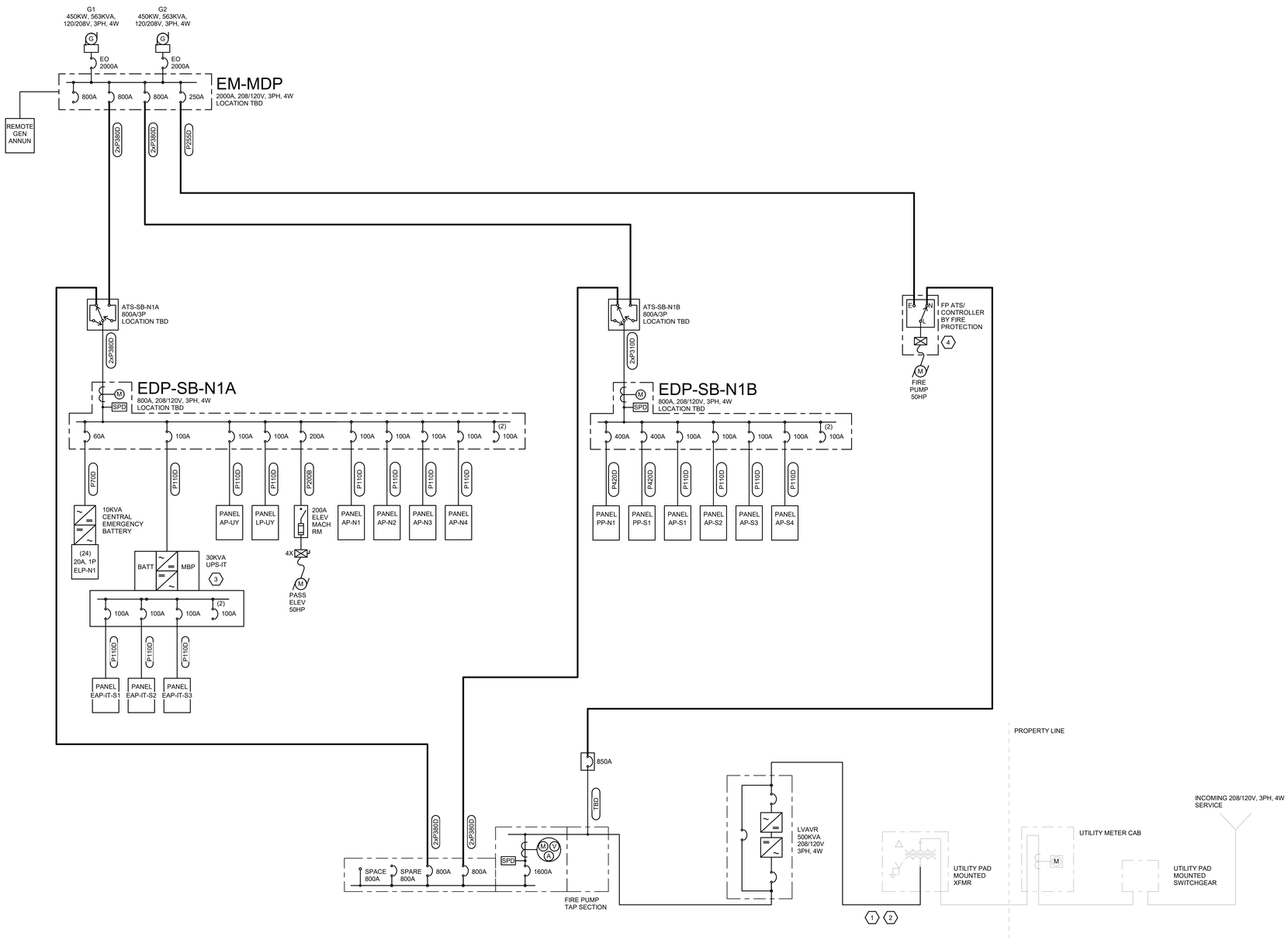
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## REFERENCE NOTES:

1. ALL WORK FROM INCOMING SERVICE TO TRANSFORMER SECONDARY CONDUIT SYSTEM TO BE RESPONSIBILITY OF UTILITY
2. EXTEND EMPTY SECONDARY CONDUIT SYSTEM TO LV AUTOMATIC VOLTAGE REGULATOR
3. UPS SHALL INCLUDE MAINTENANCE BYPASS AND BACKUP BATTERY
4. FIRE PUMP ATS/CONTROLLER BY FIRE PROTECTION




1 ELECTRICAL RISER DIAGRAM
Scale: N.T.S.

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POWER RISER DIAGRAM

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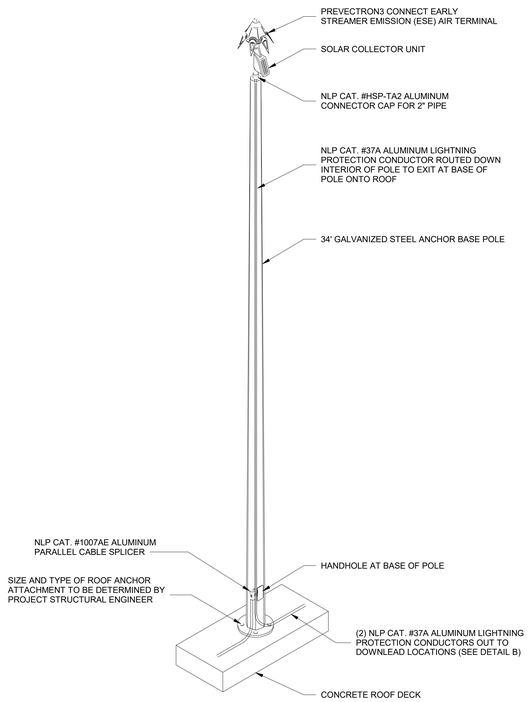
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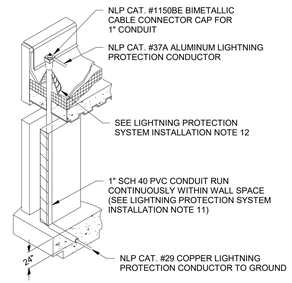
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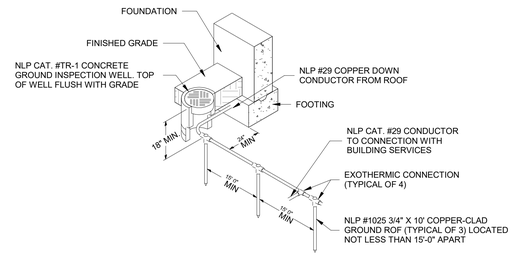
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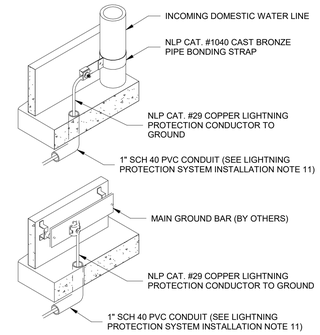

## 1 LIGHTNING PROTECTION POLE
Scale: N.T.S.




## 2 LPS DOWNLEAD ROOF TO GROUND
Scale: N.T.S.




## 3 LPS GROUND ARRAY DETAIL
Scale: N.T.S.




## 4 LPS POTENTIAL EQUALIZATION
Scale: N.T.S.

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DETAILS

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## TELECOM/AV SYSTEMS SYMBOL LEGEND

| SYMBOL | DESCRIPTION | SPECIFICATION SECTION | CABLE REQUIREMENTS | CONDUIT SIZE | BACK BOX | MOUNTING HEIGHT | NOTES |
|---|---|---|---|---|---|---|---|
| S | PROGRAM SPEAKER, CEILING MOUNT. | 27 41 40 | REFER TO SYSTEM BLOCK DIAGRAM | REFER TO CONDUIT BLOCK DIAGRAMS | PER MANUFACTURER REQUIREMENTS BASED ON SPEAKER USED | CEILING MOUNTED | 1 |
| AV1 | WALL AUDIO/VISUAL INTERFACE PANEL. | 27 41 30 | REFER TO SYSTEM BLOCK DIAGRAM | REFER TO CONDUIT BLOCK DIAGRAMS | REFER TO CONDUIT BLOCK DIAGRAMS | 18" AFF, UON | 2 |
| AVP | FLOOR POKE THRU AUDIO/VISUAL INTERFACE PANEL. | 27 41 30 | REFER TO SYSTEM BLOCK DIAGRAM | REFER TO CONDUIT BLOCK DIAGRAMS | REFER TO CONDUIT BLOCK DIAGRAMS | | 3 |
| AVF | FLOOR BOX AUDIO/VISUAL INTERFACE PANEL. | 27 41 30 | REFER TO SYSTEM BLOCK DIAGRAM | REFER TO CONDUIT BLOCK DIAGRAMS | REFER TO CONDUIT BLOCK DIAGRAMS | | 4 |
| ACP | AUDIO/VISUAL CONTROL PANEL. | 27 41 10 | REFER TO SYSTEM BLOCK DIAGRAM | REFER TO CONDUIT BLOCK DIAGRAMS | REFER TO CONDUIT BLOCK DIAGRAMS | 48" AFF, UON | 5 |
| WL | WIRELESS MIC ANTENNA. | 27 41 40 | REFER TO SYSTEM BLOCK DIAGRAM | REFER TO CONDUIT BLOCK DIAGRAMS | 1 GANG 3 1/2" DEEP BOX | 96" AFF, UON | 6 |
| | EQUIPMENT CABINET. | 27 41 05 | N/A | REFER TO CONDUIT BLOCK DIAGRAMS | REFER TO DETAIL | REFER TO DETAIL | 7 |
| D | WALL MOUNT DISPLAY. | 27 41 30 | REFER TO SYSTEM BLOCK DIAGRAM | REFER TO CONDUIT BLOCK DIAGRAMS | REFER TO DETAIL | REFER TO DETAIL | 8 |
| | AV CAMERA. | 27 41 30 | | | | | 9 |
| | WALL MOUNTED VOICE TELECOMMUNICATIONS OUTLET. | 27 15 00 | (1) CATEGORY 6 UTP PLENUM RATED CABLE, UON | 1" CONDUIT | TWO GANG 3 1/2" DEEP BOX WITH ONE GANG TRIM RING | FLUSH IN FLOOR | 10 |
| | WALL MOUNTED TELECOMMUNICATIONS OUTLET. | 27 15 00 | (3) CATEGORY 6 UTP PLENUM RATED CABLE, UON | 1" CONDUIT | TWO GANG 3 1/2" DEEP BOX WITH ONE GANG TRIM RING | FLUSH IN CEILING | 11 |
| | FLOOR MOUNTED TELECOMMUNICATIONS OUTLET. | 27 15 00 | (3) CATEGORY 6 UTP PLENUM RATED CABLE, UON | 1" CONDUIT | FLOOR BOX/POKE THRU | | 12 |
| | CEILING MOUNTED TELECOMMUNICATIONS OUTLET. | 27 15 00 | (1) CATEGORY 6 UTP PLENUM RATED CABLE, UON | 1" CONDUIT | TWO GANG 3 1/2" DEEP BOX WITH ONE GANG TRIM RING | | 13 |
| TV | CATV OUTLET. | 27 11 20 | (1) RG-6U PLENUM RATED CABLE | 3/4" CONDUIT | TWO GANG 3 1/2" DEEP BOX WITH ONE GANG TRIM RING | REFER TO PLANS | 14 |
| WAP | WAP TELECOMMUNICATIONS OUTLET. | 27 15 00 | (1) CATEGORY 6 UTP PLENUM RATED CABLE, UON | 1" CONDUIT | TWO GANG 3 1/2" DEEP BOX | REFER TO DETAIL | 15 |
| A | CONTROLLED AND MONITORED DOOR. | | | | | | 16 |
| B | MONITORED DOOR. | | | | | | 17 |
| | CCTV CAMERA. | | | | | | 18 |
| CR | CARD READER. | | | | | | 19 |
| | INTERCOM SUBSTATION. | | | | | | 20 |
| | INTERCOM MASTER STATION. | | | | | | 21 |

## TELECOM/AV LEGEND NOTES:

1. PROGRAM SPEAKER, CEILING MOUNT. FURNISH AND INSTALL CONDUIT, BACK BOX, PULL STRING, SPEAKER ASSEMBLY, MOUNTING HARDWARE, AND CABLE AS CALLED FOR IN THE CONTRACT DOCUMENTS. CONDUIT IS REQUIRED FOR ANY SPEAKERS INSTALLED IN FIXED CEILING AREAS.
2. WALL AUDIO/VISUAL INTERFACE PANEL. FURNISH AND INSTALL CONDUIT, BACK BOX, PULL STRING, CABLE, PANEL, AND CONNECTIVITY AS CALLED FOR IN THE CONTRACT DOCUMENTS. COORDINATE WITH DATA/CATV AND 120VAC POWER. REFER TO PLANS FOR TYPE, QUANTITY, AND LOCATION OF AUDIO/VISUAL INTERFACE PANELS.
3. FLOOR POKE THRU AUDIO/VISUAL INTERFACE PANEL.FURNISH AND INSTALL CONDUIT, BACK BOX, PULL STRING, CABLE, PANEL, AND CONNECTIVITY AS CALLED FOR IN THE CONTRACT DOCUMENTS. COORDINATE WITH DATA/CATV AND 120VAC POWER. REFER TO PLANS FOR TYPE, QUANTITY, AND LOCATION OF AUDIO/VISUAL INTERFACE PANELS.
4. FLOOR BOX AUDIO/VISUAL INTERFACE PANEL.FURNISH AND INSTALL CONDUIT, BACK BOX, PULL STRING, CABLE, PANEL, AND CONNECTIVITY AS CALLED FOR IN THE CONTRACT DOCUMENTS. COORDINATE WITH DATA/CATV AND 120VAC POWER. REFER TO PLANS FOR TYPE, QUANTITY, AND LOCATION OF AUDIO/VISUAL INTERFACE PANELS.
5. AUDIO/VISUAL CONTROL PANEL. FURNISH AND INSTALL CONDUIT, BACK BOX, PULL STRING, CABLE, AND CONTROL PANEL AS CALLED FOR IN THE CONTRACT DOCUMENTS.
6. WIRELESS MIC ANTENNA. FURNISH AND INSTALL CONDUIT, BACK BOX, PULL STRING, CABLE, AND ANTENNA ASSEMBLY AS CALLED FOR IN THE CONTRACT DOCUMENTS.
7. EQUIPMENT CABINET. FURNISH AND INSTALL CONDUIT, BACK BOX, PULL STRING, BACKING, AND EQUIPMENT CABINET AS CALLED FOR IN THE CONTRACT DOCUMENTS. COORDINATE CABINET INSTALLATION WITH 120VAC POWER AND DATA/CATV OUTLET.
8. WALL MOUNT DISPLAY. FURNISH AND INSTALL CONDUIT, BACK BOX, PULL STRING, BACKING, DISPLAY, AND MOUNTING HARDWARE AS CALLED FOR IN THE CONTRACT DOCUMENTS.
9. AV CAMERA. FURNISH AND INSTALL CONDUIT, BACK BOX, PULL STRING, CABLE, CAMERA, AND MOUNTING HARDWARE AS CALLED FOR IN THE CONTRACT DOCUMENTS.
10. WALL MOUNTED VOICE TELECOMMUNICATIONS OUTLET. FURNISH AND INSTALL CONDUIT, BACK BOX, PULL STRING, CABLE, AND VOICE OUTLET AS CALLED FOR IN THE CONTRACT DOCUMENTS. VOICE CABLING ROUTES TO AND TERMINATES IN SERVER 138.
11. WALL MOUNTED TELECOMMUNICATIONS OUTLET. FURNISH AND INSTALL CONDUIT, BACK BOX, PULL STRING, CABLE, AND VOICE DATA OUTLET AS CALLED FOR IN THE CONTRACT DOCUMENTS. SUBSCRIPT ADJACENT SYMBOL INDICATES QUANTITY OF CATEGORY 6 DROPS IF DIFFERENT FROM THAT SHOWN IN LEGEND. AC DENOTES ABOVE COUNTER MOUNTING HEIGHT. WHEN SHOWN ADJACENT CATV, VOICE/DATA AND CATV TERMINATIONS MADE ON SHARED FACEPLATE. WHEN APPLICABLE, COORDINATE MOUNTING TO AVI PANEL. VOICE CABLING ROUTES TO AND TERMINATES IN SERVER 138. DATA CABLING ROUTES TO AND TERMINATES IN DATA CLOSET ON THAT FLOOR.
12. FLOOR MOUNTED TELECOMMUNICATIONS OUTLET. FURNISH AND INSTALL CONDUIT, BACK BOX, PULL STRING, CABLE, AND VOICE DATA OUTLET AS CALLED FOR IN THE CONTRACT DOCUMENTS. SUBSCRIPT ADJACENT SYMBOL INDICATES QUANTITY OF CATEGORY 6 DROPS IF DIFFERENT FROM THAT SHOWN IN LEGEND. WHEN SHOWN ADJACENT CATV, VOICE/DATA AND CATV TERMINATIONS MADE ON SHARED FACEPLATE. VOICE CABLING ROUTES TO AND TERMINATES IN SERVER 138. DATA CABLING ROUTES TO AND TERMINATES IN DATA CLOSET ON THAT FLOOR.
13. CEILING MOUNTED TELECOMMUNICATIONS OUTLET. FURNISH AND INSTALL CONDUIT, BACK BOX, PULL STRING, CABLE, AND VOICE DATA OUTLET AS CALLED FOR IN THE CONTRACT DOCUMENTS. DATA CABLING ROUTES TO AND TERMINATES IN DATA CLOSET ON THAT FLOOR.
14. CATV OUTLET. FURNISH AND INSTALL CONDUIT, BACK BOX, PULL STRING, CABLE, AND CATV OUTLET AS CALLED FOR IN THE CONTRACT DOCUMENTS. WHEN SHOWN ADJACENT TELECOM OUTLET, CATV AND VOICE/DATA TERMINATIONS MADE ON SHARED FACEPLATE.
15. WAP TELECOMMUNICATIONS OUTLET. FURNISH AND INSTALL CONDUIT, BACK BOX, AND TELECOMMUNICATIONS OUTLET AS CALLED FOR IN THE CONTRACT DOCUMENTS. SUBSCRIPT ADJACENT SYMBOL INDICATES QUANTITY OF CATEGORY 6 DROPS IF DIFFERENT FROM THAT SHOWN IN LEGEND.
16. CONTROLLED AND MONITORED DOOR. FURNISH AND INSTALL CONDUIT, BACK BOX, PULL STRING, CABLE, ELECTROMECHANICAL LOCKING DEVICE, AND MONITORING SWITCHES AS CALLED FOR IN THE CONTRACT DOCUMENTS.
17. MONITORED DOOR. FURNISH AND INSTALL CONDUIT, BACK BOX, PULL STRING, CABLE, ELECTROMECHANICAL LOCKING DEVICE, AND MONITORING SWITCHES AS CALLED FOR IN THE CONTRACT DOCUMENTS.
18. CCTV CAMERA. FURNISH AND INSTALL CONDUIT, BACK BOX, PULL STRING, CABLE, CAMERA, AND MOUNTING HARDAWRE AS CALLED FOR IN THE CONTRACT DOCUMENTS.
19. CARD READER. FURNISH AND INSTALL CONDUIT, BACK BOX, PULL STRING, CABLE, AND CARD READER AS CALLED FOR IN THE CONTRACT DOCUMENTS.
20. INTERCOM SUBSTATION. FURNISH AND INSTALL CONDUIT, BACK BOX, PULL STRING, CABLE, AND INTERCOM SUBSTATION AS CALLED FOR IN THE CONTRACT DOCUMENTS.
21. INTERCOM MASTER STATION. FURNISH AND INSTALL CONDUIT, BACK BOX, PULL STRING, CABLE, AND INTERCOM MASTER STATION AS CALLED FOR IN THE CONTRACT DOCUMENTS.

## GENERAL NOTES:

1. INDICATED MOUNTING HEIGHTS ARE FOR DESIGN PURPOSES ONLY. COORDINATE FINAL MOUNTING HEIGHT OF ALL EQUIPMENT WITH SURROUNDING EQUIPMENT AND SURROUNDING CONDITIONS. MOUNTING HEIGHTS INDICATED ARE TO CENTER OF BOX.
2. CABLE WILL BE CMP.
3. CATEGORY 6 CABLING USED FOR IN-SLAB FLOOR BOXES SHALL BE INDOOR/OUTDOOR RATED CABLING.
4. PROTECT FROM WEATHER, THEFT, DIRT, FUMES, WATER, CONSTRUCTION DEBRIS, ETC., AT ALL TIMES. DAMAGED EQUIPMENT WILL BE RESTORED TO LIKE NEW CONDITION OR REPLACED BY THE CONTRACTOR.
5. CLEAN ALL EQUIPMENT TO PRESENT A "NEW" CONDITION AT PROJECT COMPLETION. VACUUM CLEAN INTERNAL AREAS OF EQUIPMENT RACKS AND ENCLOSURES.
6. CONTRACTOR IS REQUIRED TO ACCOMODATE INCIDENTAL MOVEMENT OF THE FIELD DEVICES AS DIRECTED BY THE ARCHITECT FROM THE LOCATION INDICATED UP TO 10 FEET PROVIDED THE DEVICE ROUGH IN HAS NOT COMMENCED.
7. NO CONDUIT LARGER THAN 2" SHALL BE USED FOR THE HORIZONTAL STRUCTURED CABLE.
8. ALL TELECOMMUNICATIONS CONDUIT SHALL HAVE LONG RADIUS BENDS.
9. ALL ASPECTS OF THE STRUCTURED CABLE SYSTEM ARE TO BE INCLUDED IN THE CONTRACT.
10. CONDUIT FITTINGS IN DRY LOCATIONS MAY BE SCREW TYPE WITH INSULATED PLASTIC BUSHINGS. BENDS WILL BE AT LEAST TEN (10) TIMES THE INTERNAL DIAMETER OF THE CONDUIT SIZE.
11. ALL COMMUNICATIONS CABLE SHALL BE A CONTINUOUS RUN FROM THE COMMUNICATIONS WIRING CLOSET TO THE OUTLET FREE OF ANY SPLICES OR TAPS.
12. CONDUIT OR CABLE TRAY SHALL BE USED TO SUPPORT TELECOMMUNICATIONS WIRE.
13. ALL WIRE RUNS SHOULD FOLLOW THE SHORTEST PATH POSSIBLE, IF ANY RUNS EXCEED 90 METERS, OR LENGTHS SPECIFIED IN THE REFERENCE AND REGULATIONS THE CONTRACTOR SHOULD NOTIFY THE ARCHITECT IMMEDIATELY.
14. PATCH PANELS SHALL BE MOUNTED ON 19-INCH RELAY RACKS. PROPER WIRE MANAGEMENT AND SUPPORTS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PROVIDED.
15. THE PATCH PANELS SHALL LABELED AS PER THE WIRE NUMBERING SCHEME.
16. CABLE TRAYS ARE TO BE MOUNTED TO SUPPORT WIRING ABOVE AND BETWEEN THE RACKS AND WALL FIELD. ALL WIRING SHOULD BE RUN THROUGH THE CABLE TRAY AND DROP DOWN AT THE POINT OF TERMINATION.
17. A/V CABLING ROUTED ABOVE THE CEILING SHALL BE SUPPORTED UTILIZING J-HOOKS MOUNTED 5'-0" ON CENTER.
18. CATEGORY 6 CABLE LENGTHS SHALL NOT EXCEED 295' IN LENGTH.
19. MINIMUM CONDUIT SIZE FOR A SINGLE A/V DEVICE IS 3/4". WHERE PRACTICAL, DEVICES MAY BE GROUPED TOGETHER AND CONDUIT SIZE INCREASED TO COMPLY WITH NEC CONDUIT FILL REQUIREMENTS.
20. COORDINATE THE WORK OF DIVISION 27 WITH OTHER TRADES TO AVOID CONFLICTS.
21. STORE EQUIPMENT IN A CLEAN, DRY PLACE UNTIL READY FOR INSTALLATION. PROTECT FROM WEATHER,THEFT, DIRT, FUMES, WATER, CONSTRUCTION DEBRIS, ETC., AT ALL TIMES.
22. DATA/CATV OUTLETS SHALL MATCH ELEVATION AND ORIENTATION OF ADJACENT POWER OUTLET.
23. REFER TO ALL RISER DIAGRAMS FOR ADDITIONAL CABLE REQUIREMENTS. FURNISH AND INSTALL ALL CABLE AS REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. ALL CABLE SHALL BE PLENUM RATED.
24. REFER TO ALL RISER DIAGRAMS FOR ADDITIONAL CONDUIT REQUIREMENTS. FURNISH AND INSTALL ALLCONDUITS AS REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM.
25. ALL CABLE KNOCKOUTS AND CABLE PASS THROUGHS ARE TO BE EQUIPPED WITH GROMMETS FOR THE PROTECTION OF CABLE. TYPICAL OF METAL CABINETS, EQUIPMENT RACKS, PRESENTATION CONSOLES, AND COUNTER TOPS.
26. ALL CABLE SHALL BE CONTINUOUS FROM HEAD END ELECTRONICS TO FIELD DEVICE.
27. CONDUITS FOR TELECOMMUNICATIONS OUTLETS SHALL BE SIZED AS FOLLOWS:

(MAXIMUM NUMBER OF UTP CABLES PER TRADE SIZE)

| | |
|---|---|
| 1" | 4 |
| 1-1/4" | 7 |
| 1-1/2" | 9 |
| 2" | 16 |

## ABBREVIATIONS

ICT - INFORMATION COMMUNICATIONS TECHNOLOGIES
NEMA - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
EIA - ELECTRONIC INDUSTRIES ALLIANCE
TIA - TELECOMMUNICATIONS INDUSTRIES ASSOCIATION
ANSI - AMERICAN NATIONAL STANDARDS INSTITUTE
EMT - ELECTRICAL METALLIC TUBING
AWG - AMERICAN WIRE GUAGE
UON - UNLESS OTHERWISE NOTED
HH - HAND HOLE.
TMGB - TELECOMMUNICATIONS MAIN GROUNDING BUS BAR
TGB - TELECOMMUNICATIONS GROUNDING BUS BAR
OSP - OUTSIDE PLANT
SM - SINGLE MODE
MM - MULTI MODE
AFF - ABOVE FINISHED FLOOR
AFG - ABOVE FINISHED GRADE
ACT - ACOUSTIC TILE CEILING
CMP - COMMUNICATIONS MULTIPURPOSE CABLE PLENUM
CMR - COMMUNICATIONS MULTIPURPOSE CABLE RISER
UTP - UNSHIELDED TWISTED PAIR
F/UTP - OVERAL FOIL SHIELD TWISTED PAIR
CATV - COMMUNITY ANTENNA TELEVISION
CCTV - CLOSED CIRCUIT TELEVISION

## ICT SYMBOLOGY

- TYPICAL TELECOMMUNICATIONS OUTLET 18" AFF, (3) UTP DROPS.
- AC — TELECOMMUNICATIONS OUTLET ABOVE COUNTER ELEVATION TO MATCH ELECTRICAL OUTLET. (3) UTP DROPS.
- 4 — TELECOMMUNICATIONS OUTLET 18" AFF, ADJACENT SUBSCRIPT INDICATES TOTAL OF (4) UTP DROPS.
- 60" AFF — TELECOMMUNICATIONS OUTLET 60" AFF, (3) UTP DROPS.
- TV — 60" AFF — TELECOMMUNICATIONS/CATV OUTLET. SINGLE FACEPLATE WITH (3) UTP DROPS AND (1) RG6U WITH "F" TERMINATION. 60" AFF.
- TV 2 — 60" AFF — TELECOMMUNICATIONS/CATV OUTLET. SINGLE FACEPLATE WITH (2) UTP DROPS AND (1) RG6U WITH "F" TERMINATION. 60" AFF.
- TV — 60" AFF — TYPICAL CATV OUTLET. (1) RG-6U WITH "F" TERMINATION. ELEVATION NOTED ADJACENT SYMBOL.

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| E | 100% CDs | |

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VITEMA — Wind Retrofit & Safe Room

TECHNOLOGY LEGEND

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1 BASEMENT TECHNOLOGY FLOOR PLAN
Scale: 1/8" = 1'-0"




2 BASEMENT TECHNOLOGY REFLECTED CEILING PLAN
Scale: 1/8" = 1'-0"

## TECHNOLOGY SYMBOL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| S | PROGRAM SPEAKER, CEILING MOUNT. |
| AV1 | WALL AUDIO/VISUAL INTERFACE PANEL. |
| AVP | FLOOR POKE THRU AUDIO/VISUAL INTERFACE PANEL. |
| AVF | FLOOR BOX AUDIO/VISUAL INTERFACE PANEL. |
| ACP | AUDIO/VISUAL CONTROL PANEL. |
| WL | WIRELESS MIC ANTENNA. |
| | EQUIPMENT CABINET. |
| D | WALL MOUNT DISPLAY. |
| | AV CAMERA. |
| | WALL MOUNTED VOICE TELECOMMUNICATIONS OUTLET. |
| | WALL MOUNTED TELECOMMUNICATIONS OUTLET. |
| | FLOOR MOUNTED TELECOMMUNICATIONS OUTLET. |
| | CEILING MOUNTED TELECOMMUNICATIONS OUTLET. |
| TV | CATV OUTLET. |
| WAP | WAP TELECOMMUNICATIONS OUTLET. |
| A | CONTROLLED AND MONITORED DOOR. |
| B | MONITORED DOOR. |
| | CCTV CAMERA. |
| CR | CARD READER. |
| | INTERCOM SUBSTATION. |
| | INTERCOM MASTER STATION. |

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| D | 90% CDs | |
| E | 100% CDs | |

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BASEMENT TECHNOLOGY PLANS

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1 FIRST FLOOR TECHNOLOGY FLOOR PLAN

Scale: 1/8" = 1'-0"

## TECHNOLOGY SYMBOL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| S | PROGRAM SPEAKER, CEILING MOUNT. |
| AV1 | WALL AUDIO/VISUAL INTERFACE PANEL. |
| AVP | FLOOR POKE THRU AUDIO/VISUAL INTERFACE PANEL. |
| AVF | FLOOR BOX AUDIO/VISUAL INTERFACE PANEL. |
| ACP | AUDIO/VISUAL CONTROL PANEL. |
| WL | WIRELESS MIC ANTENNA. |
| | EQUIPMENT CABINET. |
| D | WALL MOUNT DISPLAY. |
| | AV CAMERA. |
| | WALL MOUNTED VOICE TELECOMMUNICATIONS OUTLET. |
| | WALL MOUNTED TELECOMMUNICATIONS OUTLET. |
| | FLOOR MOUNTED TELECOMMUNICATIONS OUTLET. |
| | CEILING MOUNTED TELECOMMUNICATIONS OUTLET. |
| TV | CATV OUTLET. |
| WAP | WAP TELECOMMUNICATIONS OUTLET. |
| A | CONTROLLED AND MONITORED DOOR. |
| B | MONITORED DOOR. |
| | CCTV CAMERA. |
| CR | CARD READER. |
| | INTERCOM SUBSTATION. |
| | INTERCOM MASTER STATION. |

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| D | 90% CDs | |
| E | 100% CDs | |

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FIRST FLOOR TECHNOLOGY FLOOR PLAN

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T-111




1 FIRST FLOOR TECHNOLOGY REFLECTED CEILING PLAN

Scale: 1/8" = 1'-0"

## TECHNOLOGY SYMBOL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| S | PROGRAM SPEAKER, CEILING MOUNT. |
| AV1 | WALL AUDIO/VISUAL INTERFACE PANEL. |
| AVP | FLOOR POKE THRU AUDIO/VISUAL INTERFACE PANEL. |
| AVF | FLOOR BOX AUDIO/VISUAL INTERFACE PANEL. |
| ACP | AUDIO/VISUAL CONTROL PANEL. |
| WL | WIRELESS MIC ANTENNA. |
| | EQUIPMENT CABINET. |
| D | WALL MOUNT DISPLAY. |
| | AV CAMERA. |
| | WALL MOUNTED VOICE TELECOMMUNICATIONS OUTLET. |
| | WALL MOUNTED TELECOMMUNICATIONS OUTLET. |
| | FLOOR MOUNTED TELECOMMUNICATIONS OUTLET. |
| | CEILING MOUNTED TELECOMMUNICATIONS OUTLET. |
| TV | CATV OUTLET. |
| WAP | WAP TELECOMMUNICATIONS OUTLET. |
| A | CONTROLLED AND MONITORED DOOR. |
| B | MONITORED DOOR. |
| | CCTV CAMERA. |
| CR | CARD READER. |
| | INTERCOM SUBSTATION. |
| | INTERCOM MASTER STATION. |

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| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

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FIRST FLOOR TECHNOLOGY REFLECTED CEILING PLAN

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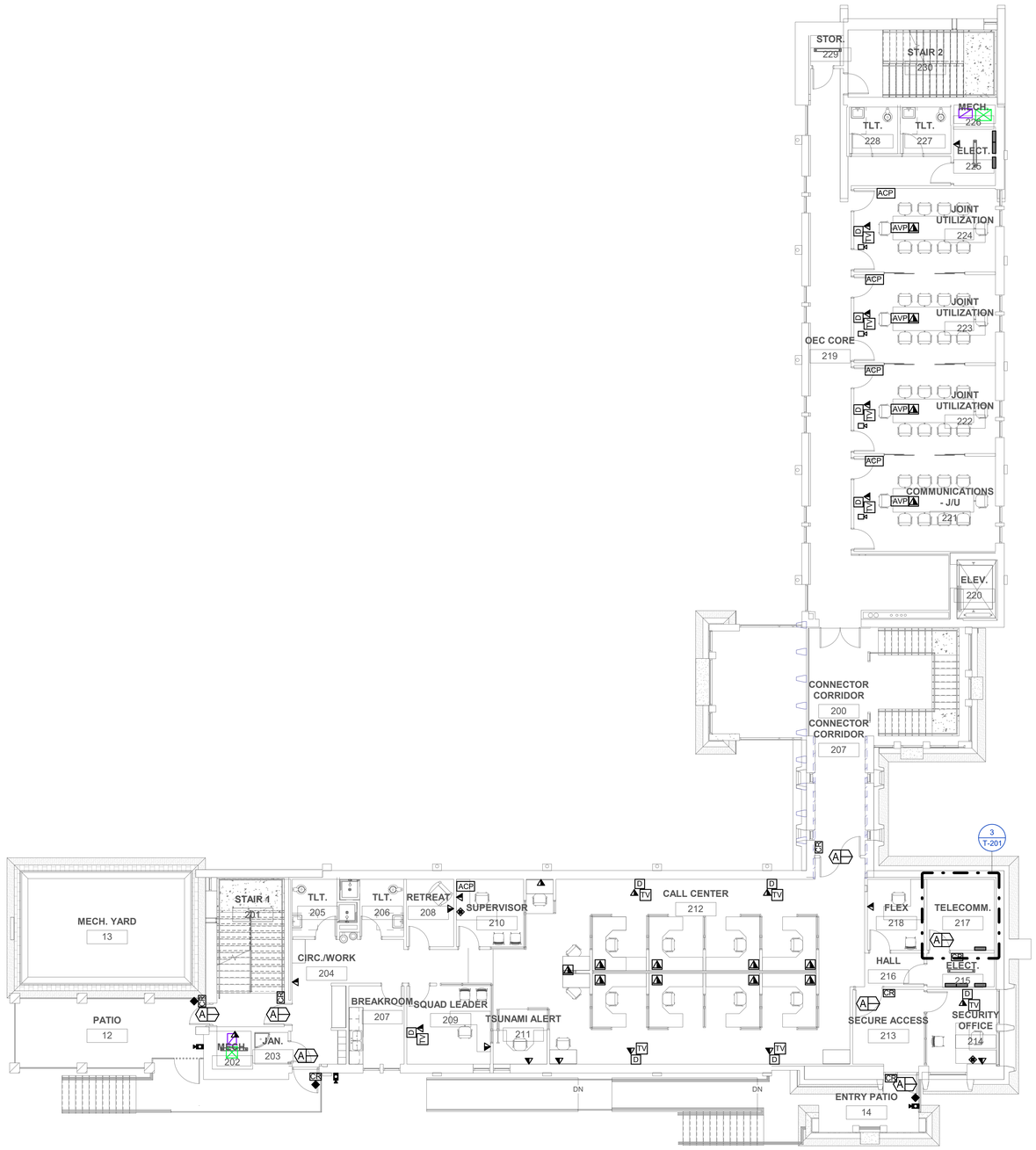
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2018_0801

SHEET NUMBER

T-112




1 SECOND FLOOR TECHNOLOGY FLOOR PLAN

Scale: 1/8" = 1'-0"

## TECHNOLOGY SYMBOL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| S | PROGRAM SPEAKER, CEILING MOUNT. |
| AV1 | WALL AUDIO/VISUAL INTERFACE PANEL. |
| AVP | FLOOR POKE THRU AUDIO/VISUAL INTERFACE PANEL. |
| AVF | FLOOR BOX AUDIO/VISUAL INTERFACE PANEL. |
| ACP | AUDIO/VISUAL CONTROL PANEL. |
| WL | WIRELESS MIC ANTENNA. |
| | EQUIPMENT CABINET. |
| D | WALL MOUNT DISPLAY. |
| | AV CAMERA. |
| | WALL MOUNTED VOICE TELECOMMUNICATIONS OUTLET. |
| | WALL MOUNTED TELECOMMUNICATIONS OUTLET. |
| | FLOOR MOUNTED TELECOMMUNICATIONS OUTLET. |
| | CEILING MOUNTED TELECOMMUNICATIONS OUTLET. |
| TV | CATV OUTLET. |
| WAP | WAP TELECOMMUNICATIONS OUTLET. |
| A | CONTROLLED AND MONITORED DOOR. |
| B | MONITORED DOOR. |
| | CCTV CAMERA. |
| CR | CARD READER. |
| | INTERCOM SUBSTATION. |
| | INTERCOM MASTER STATION. |

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| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

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SECOND FLOOR TECHNOLOGY PLAN

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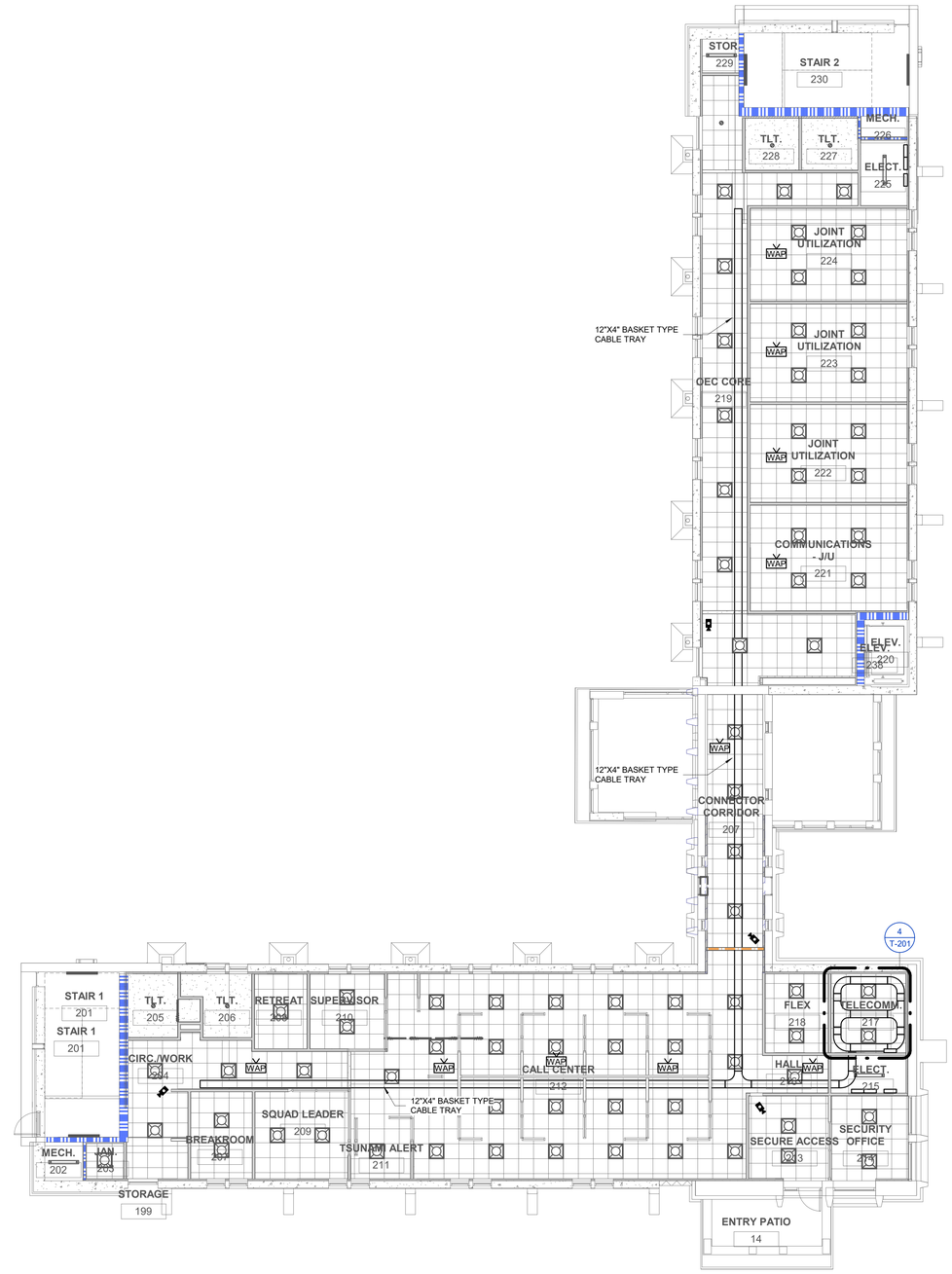
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2018_0801

SHEET NUMBER

T-121




1 SECOND FLOOR TECHNOLOGY REFLECTED CEILING PLAN

Scale: 1/8" = 1'-0"

## TECHNOLOGY SYMBOL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| S | PROGRAM SPEAKER, CEILING MOUNT. |
| AV1 | WALL AUDIO/VISUAL INTERFACE PANEL. |
| AVP | FLOOR POKE THRU AUDIO/VISUAL INTERFACE PANEL. |
| AVF | FLOOR BOX AUDIO/VISUAL INTERFACE PANEL. |
| ACP | AUDIO/VISUAL CONTROL PANEL. |
| WL | WIRELESS MIC ANTENNA. |
| | EQUIPMENT CABINET. |
| D | WALL MOUNT DISPLAY. |
| | AV CAMERA. |
| | WALL MOUNTED VOICE TELECOMMUNICATIONS OUTLET. |
| | WALL MOUNTED TELECOMMUNICATIONS OUTLET. |
| | FLOOR MOUNTED TELECOMMUNICATIONS OUTLET. |
| | CEILING MOUNTED TELECOMMUNICATIONS OUTLET. |
| TV | CATV OUTLET. |
| WAP | WAP TELECOMMUNICATIONS OUTLET. |
| A | CONTROLLED AND MONITORED DOOR. |
| B | MONITORED DOOR. |
| | CCTV CAMERA. |
| CR | CARD READER. |
| | INTERCOM SUBSTATION. |
| | INTERCOM MASTER STATION. |

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| D | 90% CDs | |
| E | 100% CDs | |

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SECOND FLOOR TECHNOLOGY REFLECTED CEILING PLAN

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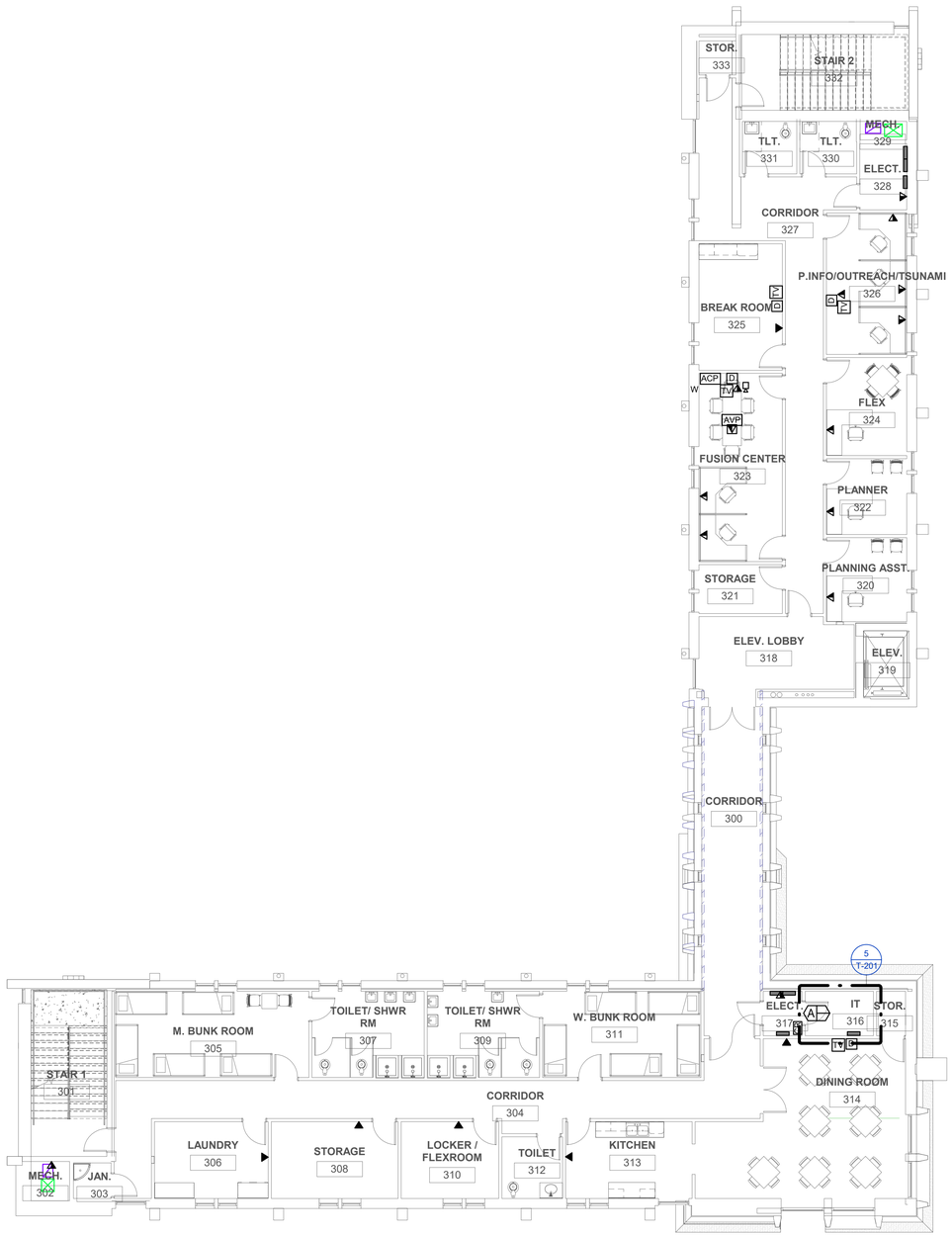
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NOVUS JOB NUMBER

2018_0801

SHEET NUMBER

T-122




1 THIRD FLOOR TECHNOLOGY FLOOR PLAN

Scale: 1/8" = 1'-0"

## TECHNOLOGY SYMBOL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| S | PROGRAM SPEAKER, CEILING MOUNT. |
| AV1 | WALL AUDIO/VISUAL INTERFACE PANEL. |
| AVP | FLOOR POKE THRU AUDIO/VISUAL INTERFACE PANEL. |
| AVF | FLOOR BOX AUDIO/VISUAL INTERFACE PANEL. |
| ACP | AUDIO/VISUAL CONTROL PANEL. |
| WL | WIRELESS MIC ANTENNA. |
| | EQUIPMENT CABINET. |
| D | WALL MOUNT DISPLAY. |
| | AV CAMERA. |
| | WALL MOUNTED VOICE TELECOMMUNICATIONS OUTLET. |
| | WALL MOUNTED TELECOMMUNICATIONS OUTLET. |
| | FLOOR MOUNTED TELECOMMUNICATIONS OUTLET. |
| | CEILING MOUNTED TELECOMMUNICATIONS OUTLET. |
| TV | CATV OUTLET. |
| WAP | WAP TELECOMMUNICATIONS OUTLET. |
| A | CONTROLLED AND MONITORED DOOR. |
| B | MONITORED DOOR. |
| | CCTV CAMERA. |
| CR | CARD READER. |
| | INTERCOM SUBSTATION. |
| | INTERCOM MASTER STATION. |

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| D | 90% CDs | |
| E | 100% CDs | |

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THIRD FLOOR TECHNOLOGY FLOOR PLAN

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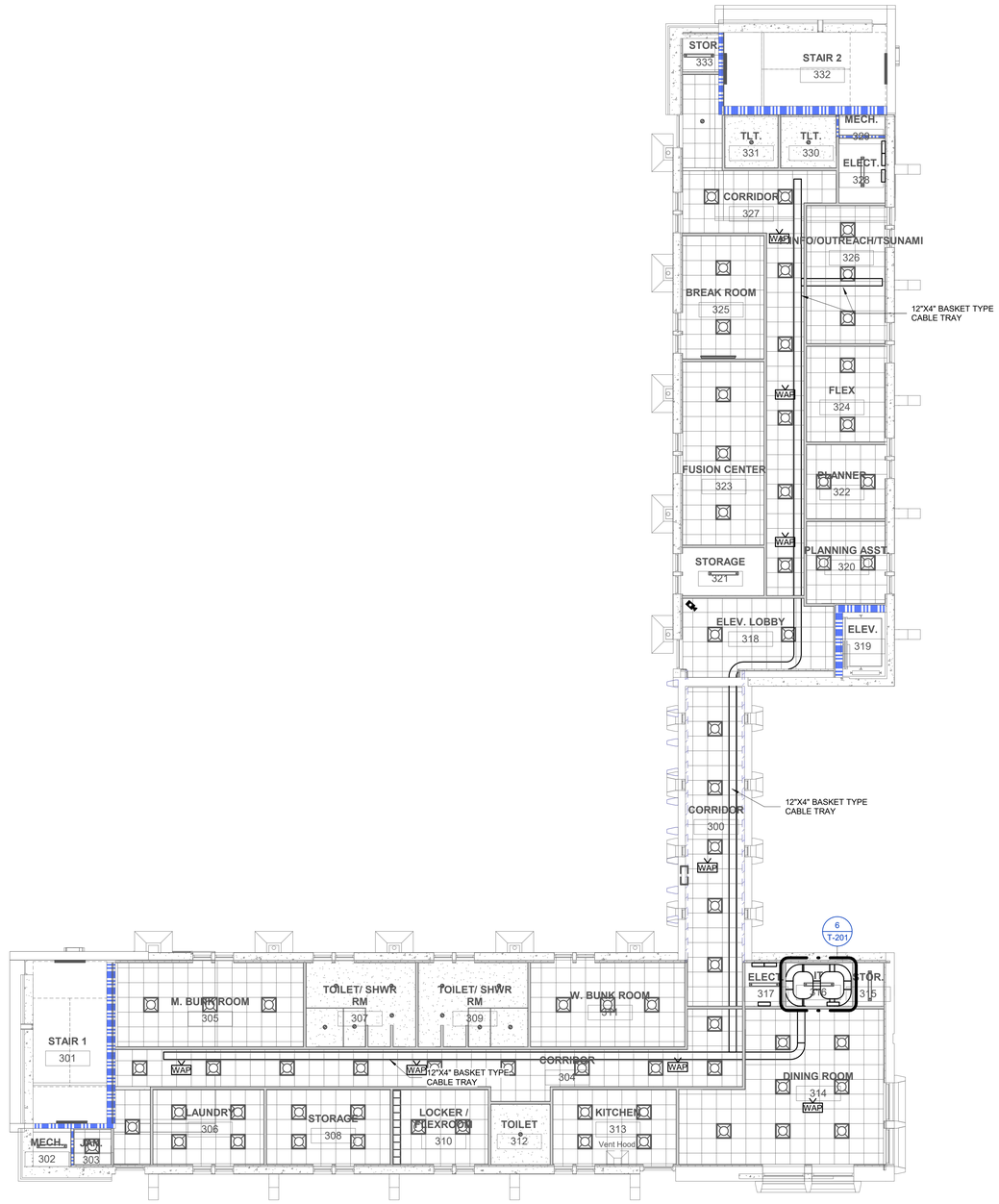
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1 THIRD FLOOR TECHNOLOGY REFLECTED CEILING PLAN

Scale: 1/8" = 1'-0"

## TECHNOLOGY SYMBOL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| S | PROGRAM SPEAKER, CEILING MOUNT. |
| AV1 | WALL AUDIO/VISUAL INTERFACE PANEL. |
| AVP | FLOOR POKE THRU AUDIO/VISUAL INTERFACE PANEL. |
| AVF | FLOOR BOX AUDIO/VISUAL INTERFACE PANEL. |
| ACP | AUDIO/VISUAL CONTROL PANEL. |
| WL | WIRELESS MIC ANTENNA. |
| | EQUIPMENT CABINET. |
| D | WALL MOUNT DISPLAY. |
| | AV CAMERA. |
| | WALL MOUNTED VOICE TELECOMMUNICATIONS OUTLET. |
| | WALL MOUNTED TELECOMMUNICATIONS OUTLET. |
| | FLOOR MOUNTED TELECOMMUNICATIONS OUTLET. |
| | CEILING MOUNTED TELECOMMUNICATIONS OUTLET. |
| TV | CATV OUTLET. |
| WAP | WAP TELECOMMUNICATIONS OUTLET. |
| A | CONTROLLED AND MONITORED DOOR. |
| B | MONITORED DOOR. |
| | CCTV CAMERA. |
| CR | CARD READER. |
| | INTERCOM SUBSTATION. |
| | INTERCOM MASTER STATION. |

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| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

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THIRD FLOOR TECHNOLOGY REFLECTED CEILING PLAN

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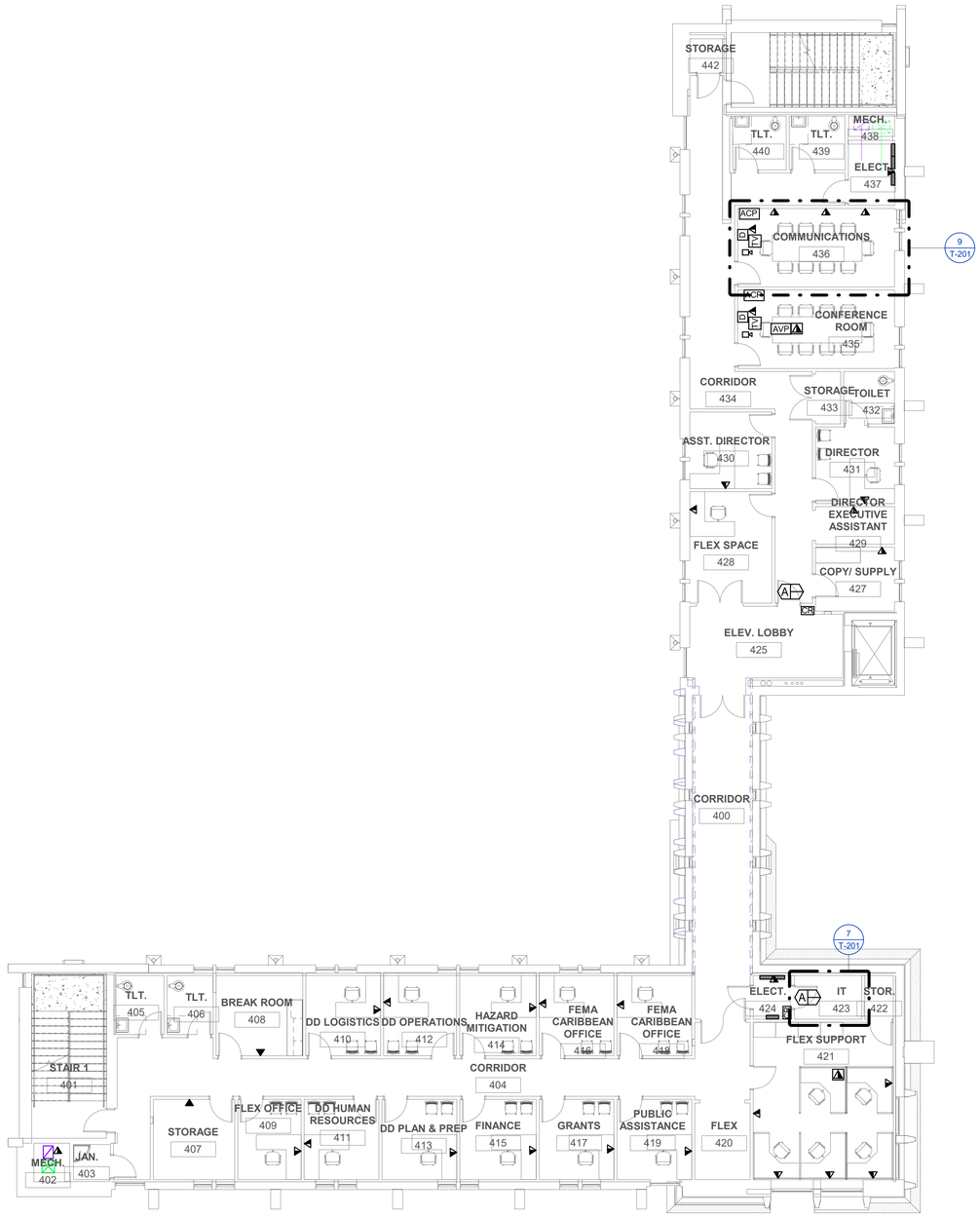
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SHEET NUMBER

T-132




1 FOURTH FLOOR TECHNOLOGY FLOOR PLAN

Scale: 1/8" = 1'-0"

## TECHNOLOGY SYMBOL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| S | PROGRAM SPEAKER, CEILING MOUNT. |
| AV1 | WALL AUDIO/VISUAL INTERFACE PANEL. |
| AVP | FLOOR POKE THRU AUDIO/VISUAL INTERFACE PANEL. |
| AVF | FLOOR BOX AUDIO/VISUAL INTERFACE PANEL. |
| ACP | AUDIO/VISUAL CONTROL PANEL. |
| WL | WIRELESS MIC ANTENNA. |
| | EQUIPMENT CABINET. |
| D | WALL MOUNT DISPLAY. |
| | AV CAMERA. |
| | WALL MOUNTED VOICE TELECOMMUNICATIONS OUTLET. |
| | WALL MOUNTED TELECOMMUNICATIONS OUTLET. |
| | FLOOR MOUNTED TELECOMMUNICATIONS OUTLET. |
| | CEILING MOUNTED TELECOMMUNICATIONS OUTLET. |
| TV | CATV OUTLET. |
| WAP | WAP TELECOMMUNICATIONS OUTLET. |
| A | CONTROLLED AND MONITORED DOOR. |
| B | MONITORED DOOR. |
| | CCTV CAMERA. |
| CR | CARD READER. |
| | INTERCOM SUBSTATION. |
| | INTERCOM MASTER STATION. |

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| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

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FOURTH FLOOR TECHNOLOGY FLOOR PLAN

NOT FOR CONSTRUCTION

REVISIONS:

| No. | Description | Date |
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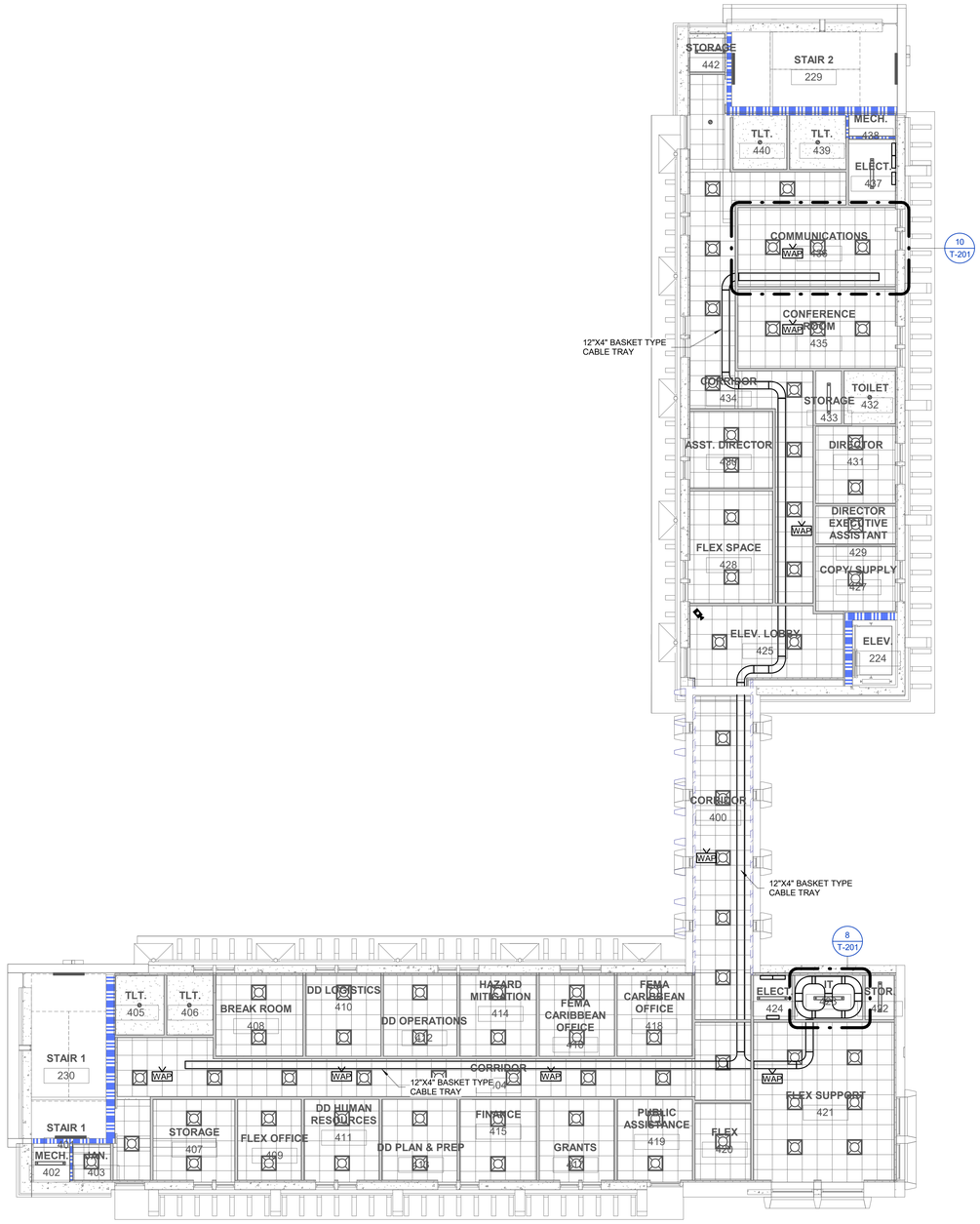
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1 FOURTH FLOOR TECHNOLOGY REFLECTED CEILING PLAN

Scale: 1/8" = 1'-0"

## TECHNOLOGY SYMBOL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| S | PROGRAM SPEAKER, CEILING MOUNT. |
| AV1 | WALL AUDIO/VISUAL INTERFACE PANEL. |
| AVP | FLOOR POKE THRU AUDIO/VISUAL INTERFACE PANEL. |
| AVF | FLOOR BOX AUDIO/VISUAL INTERFACE PANEL. |
| ACP | AUDIO/VISUAL CONTROL PANEL. |
| WL | WIRELESS MIC ANTENNA. |
| | EQUIPMENT CABINET. |
| D | WALL MOUNT DISPLAY. |
| | AV CAMERA. |
| | WALL MOUNTED VOICE TELECOMMUNICATIONS OUTLET. |
| | WALL MOUNTED TELECOMMUNICATIONS OUTLET. |
| | FLOOR MOUNTED TELECOMMUNICATIONS OUTLET. |
| | CEILING MOUNTED TELECOMMUNICATIONS OUTLET. |
| TV | CATV OUTLET. |
| WAP | WAP TELECOMMUNICATIONS OUTLET. |
| A | CONTROLLED AND MONITORED DOOR. |
| B | MONITORED DOOR. |
| | CCTV CAMERA. |
| CR | CARD READER. |
| | INTERCOM SUBSTATION. |
| | INTERCOM MASTER STATION. |

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| A | Schematic | 03/04/2022 |
| B | 30% CDs | 08/18/2022 |
| C | 60% CDs | |
| D | 90% CDs | |
| E | 100% CDs | |

VITEMA Wind Retrofit & Safe Room

FOURTH FLOOR TECHNOLOGY REFLECTED CEILING PLAN

NOT FOR CONSTRUCTION

REVISIONS:

| No. | Description | Date |
|---|---|---|

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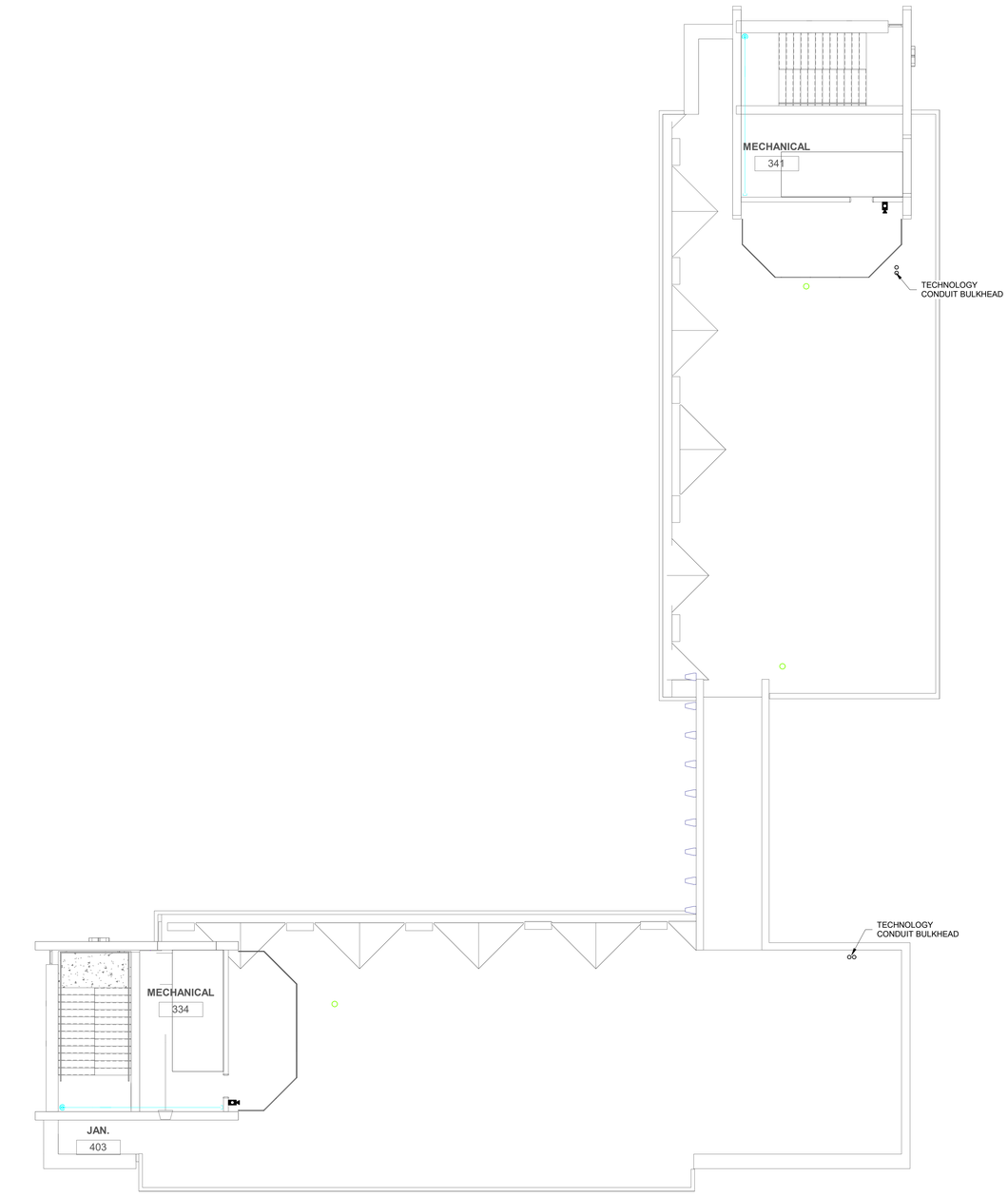
DATE:

NOVUS JOB NUMBER

2018_0801

SHEET NUMBER

T-142




1 ROOF TECHNOLOGY PLAN
Scale: 1/8" = 1'-0"

## TECHNOLOGY SYMBOL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| S | PROGRAM SPEAKER, CEILING MOUNT. |
| AV1 | WALL AUDIO/VISUAL INTERFACE PANEL. |
| AVP | FLOOR POKE THRU AUDIO/VISUAL INTERFACE PANEL. |
| AVF | FLOOR BOX AUDIO/VISUAL INTERFACE PANEL. |
| ACP | AUDIO/VISUAL CONTROL PANEL. |
| WL | WIRELESS MIC ANTENNA. |
| | EQUIPMENT CABINET. |
| D | WALL MOUNT DISPLAY. |
| | AV CAMERA. |
| | WALL MOUNTED VOICE TELECOMMUNICATIONS OUTLET. |
| | WALL MOUNTED TELECOMMUNICATIONS OUTLET. |
| | FLOOR MOUNTED TELECOMMUNICATIONS OUTLET. |
| | CEILING MOUNTED TELECOMMUNICATIONS OUTLET. |
| TV | CATV OUTLET. |
| WAP | WAP TELECOMMUNICATIONS OUTLET. |
| A | CONTROLLED AND MONITORED DOOR. |
| B | MONITORED DOOR. |
| | CCTV CAMERA. |
| CR | CARD READER. |
| | INTERCOM SUBSTATION. |
| | INTERCOM MASTER STATION. |

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VITEMA
Wind Retrofit & Safe Room

ROOF TECHNOLOGY PLAN

REVISIONS:

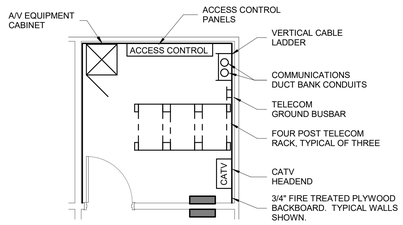
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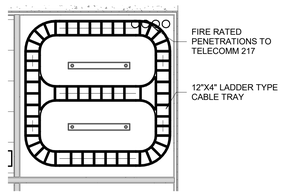
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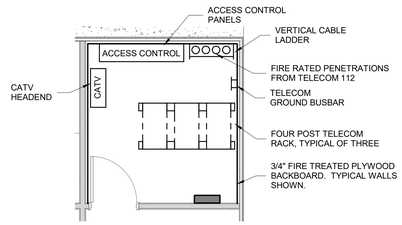
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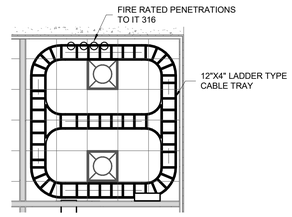

## 1 TELECOM 112 LSP
Scale: 1/4" = 1'-0"



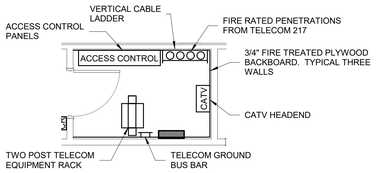

## 2 TELECOM 112 RCP LSP
Scale: 1/4" = 1'-0"



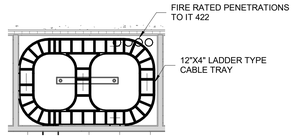

## 3 TELECOMM 217 LSP
Scale: 1/4" = 1'-0"



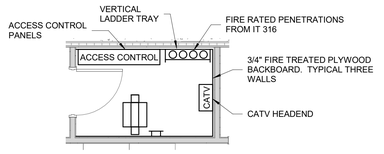

## 4 TELECOMM 217 RCP LSP
Scale: 1/4" = 1'-0"



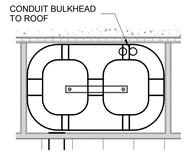

## 5 IT 316 LSP
Scale: 1/4" = 1'-0"



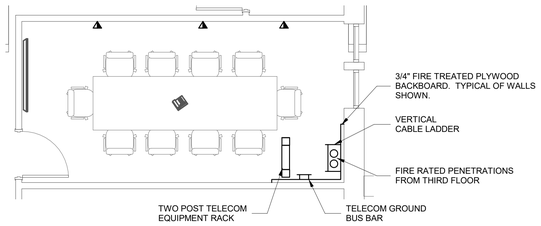

## 6 IT 316 RCP LSP
Scale: 1/4" = 1'-0"



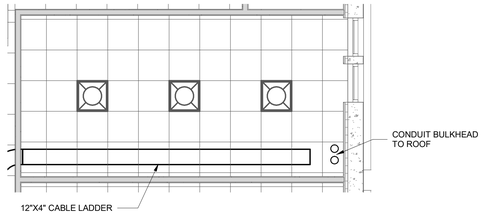

## 7 IT 423 LSP
Scale: 1/4" = 1'-0"




## 8 IT423 RCP LSP
Scale: 1/4" = 1'-0"




## 9 COMMUNICATIONS 436 L.S.P.
Scale: 1/4" = 1'-0"




## 10 COMMUNICATIONS 436 RCP L.S.P.
Scale: 1/4" = 1'-0"

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VITEMA

Wind Retrofit & Safe Room

TECHNOLOGY LARGE SCALE PLANS

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