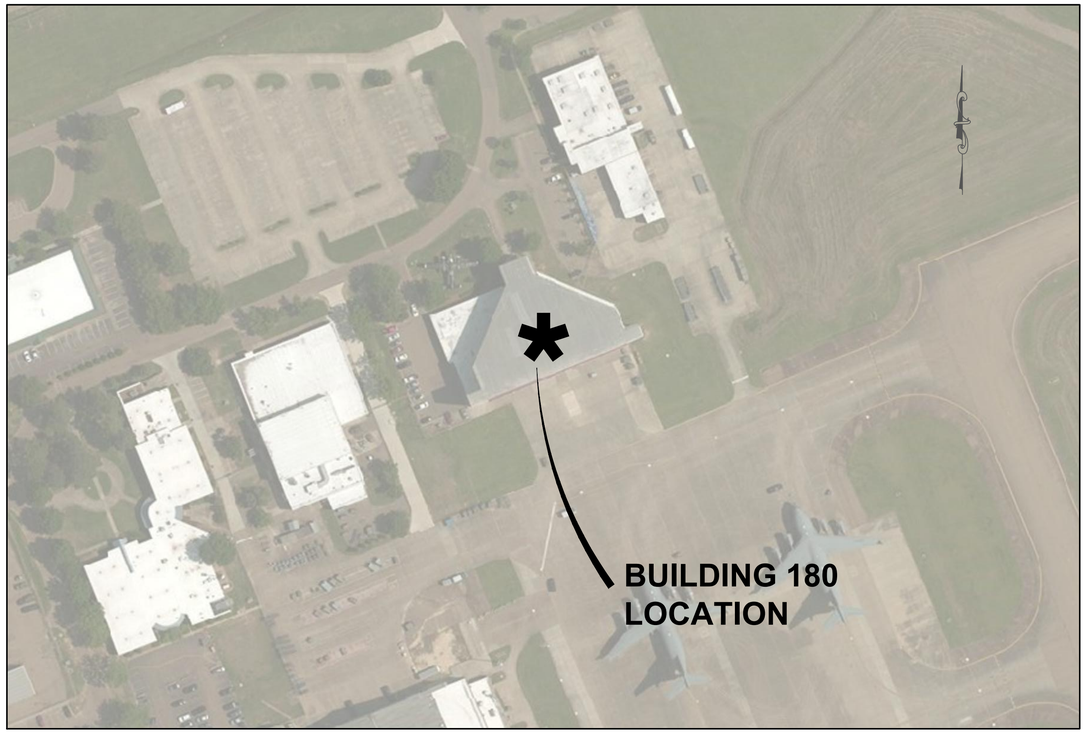
RENOVATE BASE SUPPLY, B180

LRXQ172402

MS AIR NATIONAL GUARD
172ND AIRLIFT WING
JACKSON, MS



DECEMBER 2023

BRIAN G. GRANGER
REGISTERED PROFESSIONAL ENGINEER
#14419
STATE OF MISSISSIPPI

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National Guard
172 Airlift Wing
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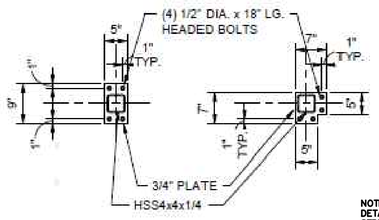
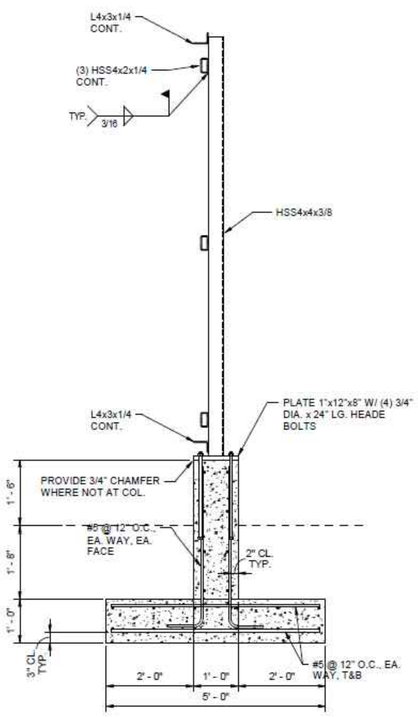
STORAGE YARD SCREEN DETAILS



NOTE: COORDINATE ALL SCREENWALL DETAILS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.

BASEPLATE DETAILS (A)
NOT TO SCALE



NOTE: (2) 10'-0" SWING GATES TO BE LOCATED IN POSITION BY OWNER. GATE SUPPORT POST TO BE 10" STEEL SQUARE TUBE ON 30" DRILLED PIER 6'-0" DEEP. COORDINATE FOUNDATION LOCATION WITH STRUCTURAL ENGINEER.

SCREEN WALL SECTION DETAIL (B)
NOT TO SCALE

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GENERAL CONSTRUCTION NOTES

1. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL REQUIRED UTILITY MODIFICATIONS AND SHALL NOTIFY THE OWNERS OF ALL SAID UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. THE EXISTING UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL COORDINATE THE LOCATION (HORIZONATAL AND VERTICAL) OF EXISTING UTILITIES (POWER, TELEPHONE, GAS, WATER, SEWER, ETC.) WITH THE APPROPRIATE UTILITY COMPANY AND THE AIR NATIONAL GUARD BEFORE CONSTRUCTION BEGINS.
3. CONTRACTOR SHALL CLEAN AND TV EXISTING SEWER LINES FROM THE POINT OF ORIGIN TO THE SERVICING MANHOLE AND GENERATE AN INSPECTION REPORT ON THE INTERNAL CONDITIONS OF ALL SANITARY SEWER.
4. UTILITY MAIN LINES OR SERVICE LINES ENCOUNTERED DURING CONSTRUCTION, WHETHER SHOWN ON DRAWINGS OR NOT, SHALL BE PROTECTED BY THE CONTRACTOR AND REPAIRS NECESSARY DUE TO DAMAGE TO SAME BY THE CONTRACTOR SHALL BE AT NO ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR SHALL ESTABLISH A VEGETATIVE COVER ON ALL AREAS WHERE THE EXISTING VEGETATION WAS REMOVED OR DISTURBED DURING CONSTRUCTION, UNLESS SOLID SOD IS REQUIRED. SOLID SOD MAY BE REQUIRED AS DIRECTED BY THE ENGINEER OR AS SHOWN IN THE PLANS.
6. UNSUITABLE BEDDING, BACKFILL, OR SITE SUBGRADE MATERIAL WHICH MAY BE ENCOUNTERED SHALL BE EXCAVATED TO THE LIMITS REQUIRED AND BACKFILLED WITH ACCEPTABLE MATERIAL TO THE LINES AND GRADES SHOWN ON THE DRAWINGS.
7. TBM'S WHICH ARE OR MAY BE IN CONFLICT WITH CONSTRUCTION ACTIVITIES SHALL BE RELOCATED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION IN THE IMMEDIATE AREA.
8. CONSTRUCTION STAKING WILL BE BY THE CONTRACTOR AND SHALL BE AN ABSORBED COST ITEM.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING ALL SAMPLING AND TESTING OF MATERIALS INCORPORATED INTO THE PROJECT AND FOR SUBMISSION OF SAME TO ENGINEER FOR REVIEW. PRIOR USE TEST RESULTS, MANUFACTURER'S CERTIFICATES, OR PROPOSED MIX DESIGNS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW BEFORE INCORPORATION INTO THE PROJECT. THIS SHALL INCLUDE BACKFILL, CONCRETE, ASPHALT, STEEL, STRIPING MATERIAL, PIPING, MATERIALS, AGGREGATES, SEED AND OTHER ITEMS AS SPECIFIED BY THE ENGINEER.
10. TESTING CERTIFICATIONS SHALL STATE THAT THE SUBJECT MATERIAL MEETS THE SPECIFIED QUALITY, GRADE, PURITY, CLASS OR WEIGHT, OR THAT THE SUBJECT MATERIAL MEETS OR EXCEEDS THE REQUIREMENT OF THE APPLICABLE ASTM, AASHTO, MDOT OR OTHER STANDARDS. CERTIFICATIONS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO INCORPORATION OF THE SUBJECT MATERIAL INTO THE PROJECT.
11. EXISTING SANITARY SEWER MANHOLE TOPS, WATER VALVES, VALVE BOXES, METERS, STORM SEWER OR OTHER RELATED APPURTENANCES SHALL, WHEN REQUIRED, BE ADJUSTED TO FINISHED GRADE BY CONTRACTOR AS AN ABSORBED COST OF THE WORK. CASTINGS REQUIRED TO BE REMOVED SHALL BE SALVAGED TO THE OWNER BY THE CONTRACTOR.
12. TRAFFIC SIGNS AND DELINEATORS REQUIRED UNDER THIS CONTRACT SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE PROJECT DRAWINGS AND THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, MDOT, 2004 EDITION AS IF SAID STANDARDS WERE WRITTEN OUT HEREIN IN FULL. MEASUREMENT AND PAYMENT FOR TRAFFIC SIGNS AND DELINEATORS SHALL BE AS SPECIFIED ON THE BID FORM.
13. CONTRACTOR SHALL REMOVE AND RELOCATE EXISTING MAILBOXES, FENCELINES, AND SIGNS AS DIRECTED BY THE ENGINEER.
14. CONTRACTOR SHALL SALVAGE TO THE AIR NATIONAL GUARD (ANG) ALL TRAFFIC SIGNS, WATER VALVES, FIRE HYDRANTS, AND DRAINAGE PIPES THAT ARE REMOVED DURING CONSTRUCTION, UNLESS OTHERWISE REFUSED BY THE ANG.
15. CONTRACTOR SHALL COORDINATE WITH ENGINEER THE POSSIBLE REMOVAL OF TREE(S) ADJACENT TO ROADWAY IF TREE ROOTS ARE ENCOUNTERED AND/OR DAMAGED DURING ASPHALT/CURB REMOVAL AND SUBGRADE REPAIR.
16. CONTRACTOR SHALL RELOCATE ALL SIGNS DISPLACED FOR CONSTRUCTION PURPOSES AS AN ABSORBED COST ITEM.
17. CONTRACTOR TO PROVIDE ALL NECESSARY INFORMATION TO GOVERNMENT FOR COMPLETION OF FAA FORM 7460, NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION.
18. ALL QUANTITIES SHOWN ARE APPROXIMATE AND FOR ESTIMATING PURPOSES ONLY. ACTUAL QUANTITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO SUBMITTING A BID.
19. CONTRACTOR SHALL INSTALL THE NECESSARY BACKFLOW PREVENTER ON WATER SERVICE IN AREA AS DIRECTED BY OWNER.

EROSION CONTROL NOTES

1. PROVISIONS TO PREVENT EROSION OF SOIL FROM SITE SHALL BE, AT MINIMUM, IN CONFORMANCE WITH THE REQUIREMENTS OF THE MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY, BEST MANAGEMENT PRACTICES MANUAL.
2. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES/EXITS, IF REQUIRED, ALL PERIMETER EROSION DEVICES AND STORMWATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
3. CONTRACTOR SHALL ESTABLISH A VEGETATIVE COVER ON ALL DISTURBED AREAS IMMEDIATELY UPON COMPLETION OF WORK IN THE ASSOCIATED AREA SUCH THAT EROSION OF DISTURBED SURFACES IS MINIMIZED.
4. EROSION CONTROL BLANKETS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH THE EROSION CONTROL DETAILS
5. ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED. NO GRADING SHALL BE DONE UNTIL SILT BARRIER INSTALLATION AND TEMPORARY SEDIMENT BASIN FACILITIES ARE CONSTRUCTED.
6. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. CONTRACTOR SHALL INSURE MEASURES ARE FUNCTIONING PROPERLY.
7. THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE SILT IS WITHIN 12" OF THE TOP OF THE SILT FENCE UTILIZED FOR EROSION CONTROL.
8. SILT BARRIERS TO BE PLACED AT DOWNSTREAM TOE OF ALL CUT AND FILL SLOPES WHETHER SHOWN ON DRAWINGS OR NOT.
9. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH TEMPORARY SEEDING.
10. CONTRACTOR SHALL EXTEND EROSION CONTROL BLANKET 10' MIN BEYOND THE TOE OF ALL PROPOSED 3:1 SLOPES
11. TYPE A EROSION CONTROL BLANKETS SHALL BE PLACED ON ALL CUT AND FILL SLOPES 3:1 AND GREATER.

TRAFFIC CONTROL NOTES

1. IN AREAS WHERE THE WORK ZONE INCLUDES UNDERCUTTING ADJACENT TO THE EDGE OF PAVEMENT THE CONTRACTOR SHALL UTILIZE STANDARD TRAFFIC DRUMS OR CONCRETE BARRIERS IN ACCORDANCE WITH MDOT STANDARD TCP-SC AND THE LATEST EDITION OF THE MUTCD.
2. ALL SIGNS SHALL HAVE DG3 SHEETING, AND CONFORM TO THE LATEST EDITION OF THE MUTCD.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT ALL CONSTRUCTION WORK ZONES ARE IN COMPLIANCE WITH THE LATEST EDITION OF THE MUTCD.
4. IN ADDITION TO THE SIGNAGE SHOWN, THE CONTRACTOR SHALL USE ALL NECESSARY DEVICES FOR UTILIZING STANDARD CONSTRUCTION WORK ZONES.
5. ALL CHANNELIZING DEVICES SHALL BE REFLECTORIZED AND CONFORM TO THE LATEST EDITION OF THE MUTCD. SPACING FOR CHANNELIZATION DEVICES SHALL BE 10' O.C. IN TAPERS AND 30' O.C. LONGITUDINALLY ALONG WORK AREA.
6. CONTRACTOR SHALL USE A FLAGMAN DURING OPERATIONS THAT REQUIRE LANE CLOSURE OR ENCROACH THE ESTABLISHED TRAVEL WAY. CONTRACTOR SHALL FOLLOW ALL GUIDELINES SET FORTH BY MDOT AND MUTCD TO INSURE PROPER TRAFFIC FLOW AND SAFETY TO ALL PARTIES INVOLVED.
7. CONTRACTOR SHALL PROVIDE ACCESS TO ALL ROADWAYS, DRIVEWAYS, AND BUSINESS ENTRANCES THROUGHOUT CONSTRUCTION, EXCEPT DURING ROAD CLOSURES PRE-APPROVED BY GOVERNMENT.
8. TEMPORARY STRIPING SHALL BE USED WHERE NECESSARY TO AVOID DRIVER CONFUSION, AND PROVIDE SAFETY THROUGHOUT THE WORK ZONES.
9. CONTRACTOR SHALL REMOVE ALL CONSTRUCTION STRIPING AND SIGNAGE UPON COMPLETION OF THE PROJECT.
10. CONTRACTOR SHALL PROVIDE TWO MDOT TYPE III BARRICADES WITH R11-2 ROAD CLOSED SIGNS AND FIVE MDOT M4-9 DETOUR SIGNS. CONTRACTOR SHALL DEVELOP TRAFFIC CONTROL PLAN, APPROVED AS NECESSARY BY MDOT, AND IMPLEMENT PLAN FOR DURATION OF CONSTRUCTION INCLUDING ANY ROAD CLOSURES OR DETOURS.

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RENOVATE BASE SUPPLY B180
MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

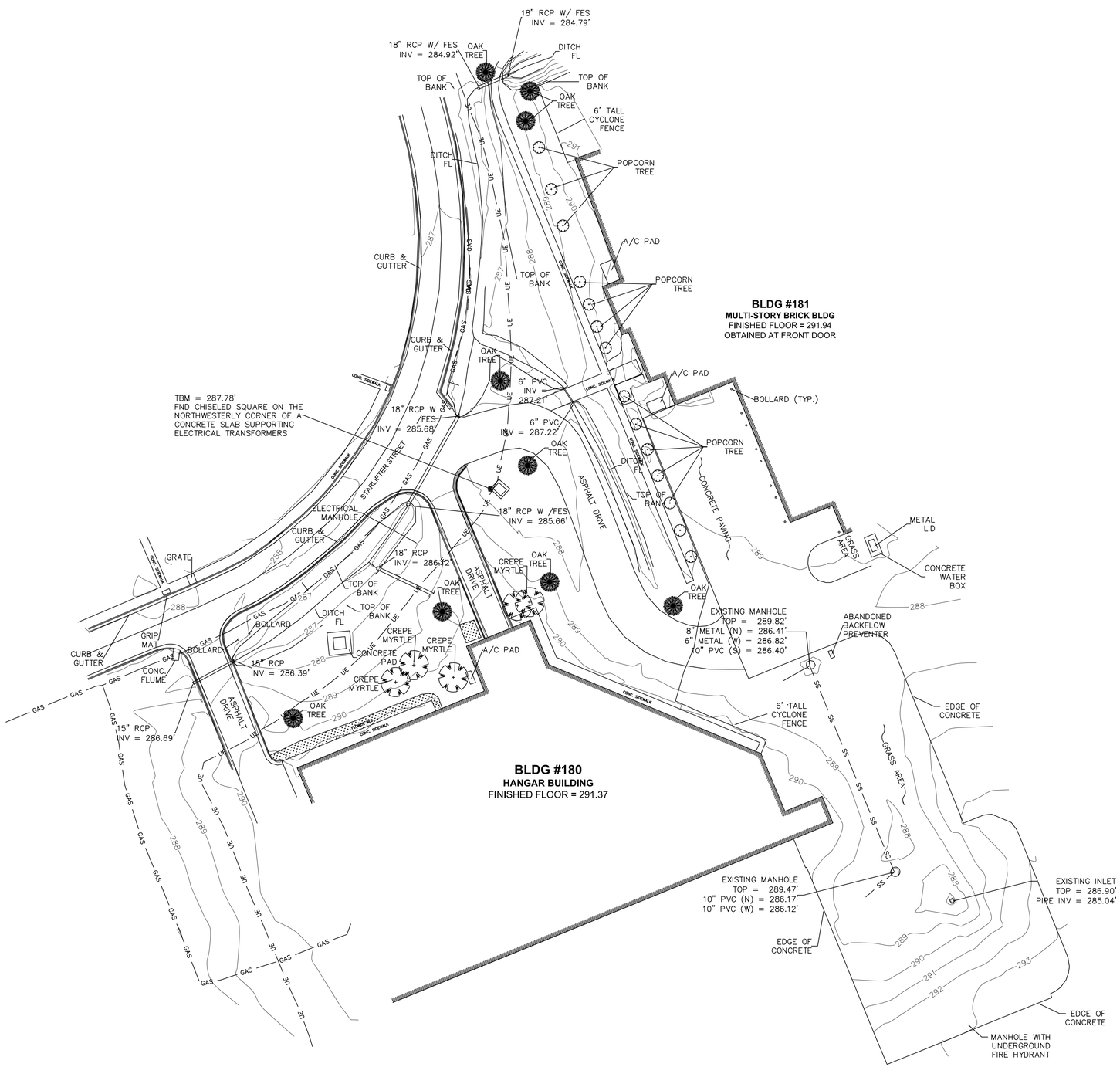
NO.	REMARKS	DATE

BRIAN G. GRANGER
REGISTERED PROFESSIONAL ENGINEER
#14449
STATE OF MISSISSIPPI

DRAWN BY: TC	SCALE: N/A
DESIGNED BY: TC	DATE: DEC 2023
CHECKED BY: BG	PROJECT: C013 - 063.020

DRAWING TITLE
GENERAL NOTES & INDEX / FENCE DETAILS

SHEET NUMBER
C0.1



GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

Horizontal control based on North American Datum 1983 (NAVD83), MS West Zone, U.S. Survey Feet

Vertical control based on North American Vertical Datum 1988, (NAVD88)

NOTE:

The location of the underground utilities as shown hereon, are per observed above ground evidence, markings provided by the Mississippi One Call System and/or the utility owner and no excavation has been performed to verify the actual location of or the type and size of the underground utilities as shown hereon.

TBM = 287.79'

FND CHISELED SQUARE ON THE NORTHWESTERLY CORNER OF A CONCRETE SLAB SUPPORTING ELECTRICAL TRANSFORMERS

TOPOGRAPHIC SURVEY FOR IMPROVEMENTS
TO BUILDING 180 FOR 172ND AIRLIFT WING
MISSISSIPPI AIR NATIONAL GUARD
FLOWOOD, MISSISSIPPI

NOTE: SURVEY PERFORMED JUNE 2021

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RENOVATE BASE SUPPLY B180

MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS		
NO.	REMARKS	DATE

SEAL

DRAWN BY: RH	SCALE: 1"=30'
DESIGNED BY: RH	DATE: JUNE 2021
CHECKED BY: JM	PROJECT: C013 • 063.01

DRAWING TITLE

EXISTING SITE SURVEY

SHEET NUMBER

C0.2

OWNER/USER

OWNER
Mississippi Military Department
1410 Riverside Drive

BASE CIVIL ENGINEER
ATTN: Lieutenant Colonel Robert Toney
141 Military Drive
Flowood, MS

DEPUTY BASE CIVIL ENGINEER
Major Wesley Roberts
141 Military Drive
Flowood, MS

BASE CONTRACTING OFFICER
ATTN: Major Donna Phillips
141 Military Drive
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GEOTECHNICAL ENGINEER
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CONTACT: Randy Ahlrich, PE, PhD.
551 Sunnybrook Road
Ridgeland, MS 39157
Phone: 601-856-2332
Email: rahlrich@bcdgeo.com

ARCHITECTURAL MATERIAL LEGEND

CONCRETE
SAND
GRAVEL
CMU
BRICK
METAL (LARGE)
METAL (SMALL)
FINISH SOLID WOOD
CONT. WOOD BLOCKING
DISCONTINUOUS WOOD BLOCKING
PLYWOOD
PLASTIC
GYPSUM BOARD
CARPET
INSULATION (BATT)
INSULATION (RIGID)
LINE OF WATERPROOFING/ DAMPPROOFING

GRAPHIC LEGEND

COLUMN LINE (A)
DOOR TYPE (99)
WINDOW TYPE (A)
WALL TYPE (S4.0.49)
ROOM DESIGNATION (OFFICE 418)
SPOT ELEVATION (310.00')
DATUM or WORK POINT
BUILDING SECTION (1 A1.0)
WALL SECTION (1 A1.0)
SECTION DETAIL (1 A1.0)
PLAN DETAIL (1 A1.0)
ELEVATION (1 A1.0)
INTERIOR ELEVATION (1/A9.1)
PROPERTY LINE
EXISTING CONTOUR (308)
DENOTES ELEVATION
NEW CONTOUR (308)
SANITARY SEWER (S S)
WATER LINE (10")
DENOTES PIPE SIZE
C.L. FENCE
STORM SEWER

ABBREVIATIONS

#	NUMBER OR POUND
ABV.	ABOVE
ACT	ACOUSTICAL CEILING TILE
ADJ.	ADJACENT
AFF	ABOVE FINISH FLOOR
ALT.	ALTERNATE
ALUM.	ALUMINUM
AofAR	AREA OF ASSISTED RESCUE
AofR	AREA OF REFUGE
ARCH.	ARCHITECTURAL
B.E.J.	BUILDING EXPANSION JOINT
BITUM.	BITUMENOUS
BLDG.	BUILDING
BLKG.	BLOCKING
BM.	BEAM
B.M.	BENCHMARK
BYND.	BEYOND
C.B.	CATCH BASIN
C.W.B.	CAVITY WALL BAFFLE
C.I.	CURB INLET
C.J.	CONTROL JOINT
CL	CLOSET
CLR.	CLEAR
CMU	CONCRETE MASONRY UNIT
COL.	COLUMN
CONC.	CONCRETE
CONF.	CONFERENCE
CONT.	CONTINUOUS
CPT.	CARPET
CT	CERAMIC TILE
CWB	CAVITY WALL BAFFLE
DIA.	DIAMETER
D.P.	DAMP PROOFING
DS	DOWNSPOUT
EA	EACH
E.F.	EXHAUST FAN
E.J.	EXPANSION JOINT
ELEC.	ELECTRICAL
ELEV.	ELEVATION OR ELEVATOR
EQUIP.	EQUIPMENT
EXP.	EXPANSION
EXT.	EXTERIOR
F.D.	FLOOR DRAIN
FIN.	FINISH
FLR.	FLOOR
FOUND.	FOUNDATION
FTG.	FOOTING
FRT.	FIRE RETARDANT TREATED
G.B.	GRADE BEAM
G.S.F.	GROSS SQUARE FEET
GYP. BD.	GYPSUM BOARD
H.B.	HOSE BIBB
HD.	HARD
H.J.S.	HEAD, JAMB & SILL
HORZ.	HORIZONTAL
I.D.	INLET DRAIN OR INTERIOR DRAIN
INSUL.	INSULATION OR INSULATED
INT.	INTERIOR
J.B.	JUNCTION BOX
JT.	JOINT
L.A.T.	LAY–IN ACOUSTIC TILE
LB.	POUND
MAS.	MASONRY
MECH.	MECHANICAL
MOD.	MODIFIED
MTL	METAL
MULL.	MULLION
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
N.S.F.	NET SQUARE FEET
O.C.	ON CENTER
OPP	OPPOSITE
PART.	PARTITION
PTD.	PAINTED
PLYWD.	PLYWOOD
RAD.	RADIUS
R.C.P.	REFLECTED CEILING PLAN
R.D.	ROOF DRAIN
R.E.B.	ROOF EXPANSION BATTEN
REQ'D	REQUIRED
RM.	ROOM
R.O.	ROUGH OPENING
SCHED.	SCHEDULE
SHT.	SHEET
SIM	SIMILAR
SPEC.	SPECIFICATION
S.S.	STAINLESS STEEL
ST.	STORAGE
STL.	STEEL
STRUCT.	STRUCTURAL
T&G	TONGUE & GROOVE
T.O.W.	TOP OF WALL
TRTD	TREATED
TS	TUBE STEEL
TYP.	TYPICAL
VCT	VINYL COMPOSITE TILE
VERT.	VERTICAL
V.O.J.	VERIFY ON JOB
W/	WITH
W/IN	WITHIN
W/O	WITHOUT
W.F.	WIDE FLANGE
WD.	WOOD
WP OR W.P.	WATERPROOFING OR WORK POINT

PROJECT DESCRIPTION

Description of Proposed Construction: This project is to renovate approximately 27,180 square feet of warehouse, administrative areas with training rooms, conference rooms, locker rooms, restrooms, and offices. This will include selective demolition of exterior and interior walls, and reframing for updated layouts, relocating plumbing core of the building, installing new HVAC systems, repairing the existing wet fire suppression system, alarm panel and detection system, installing new TPO roof systems, repairing/replacing metal siding, replacing exterior doors, and repainting/repointing exterior masonry. The new design will have an open floor plan and it will accommodate the Supply Warehouse, Base Supply Admin and Boeing's Supply Office.

SHEET IDENTIFICATION KEY

DISCIPLINE DESIGNATOR	SHEET TYPE DESIGNATOR	PLAN LEVEL DESIGNATOR	BUILDING AREA
A	1	.2	A

GENERAL NOTES

LRXQ172402

NO.	NOTE
1	ALL WORK SHALL MEET OR EXCEED ALL APPLICABLE CODE REQUIREMENTS.
2	CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE ON-SITE CONDITIONS AND PERFORM ALL NECESSARY WORK TO COMPLETE THE PROJECT.
3	DO NOT SCALE DRAWINGS FOR DIMENSIONS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH AFFECTED WORK.
4	CONTRACTOR SHALL AT ALL TIMES MAINTAIN A SAFE SITE AND RESTRICT UNAUTHORIZED ACCESS.
5	CONTRACTORS SHALL VERIFY, ON SITE, ALL DIMENSIONS FOR EQUIPMENT LOCATIONS AND NOTIFY THE ARCHITECT IN WRITING OF ANY CONFLICTS OR DISCREPANCIES.
6	THE DIMENSIONS FOR AREAS TO RECEIVE PREMANUFACTURED SYSTEMS INCLUDING BUT NOT LIMITED TO MILLWORK, CURTAIN WALL, STOREFRONT, WINDOWS, AND DOORS SHALL BE FIELD VERIFIED BEFORE UNIT FABRICATION & INSTALLATION.
7	MAINTAIN ADEQUATE EGRESS AT ALL TIMES & PROVIDE SIGNAGE AS REQUIRED.
8	TYPICAL MATERIAL NOTES ARE GENERALLY NOTED ONLY ONCE PER SHEET OR DRAWING TYPE. THESE NOTES ARE TYPICAL FOR SIMILAR CONDITIONS AND WILL NOT BE NOTED IN EVERY LOCATION OR DETAIL.

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RENOVATE BASE SUPPLY WAREHOUSE B180
MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

ROY T. DECKER REGISTERED ARCHITECT 2879 MISSISSIPPI
SEPTEMBER 27, 2023

ANNE MARIE DECKER REGISTERED ARCHITECT 3044 JACKSON, MS STATE OF MISSISSIPPI
SEPTEMBER 27, 2023

DRAWN BY: TB	SCALE: NA
DESIGNED BY: TB/MDP	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE
GEN INFO

SHEET NUMBER
R1.0

Duvall Decker Architects P.A.
Architecture . Planning . Interiors (design)

PROJ# 1807 RENOVATE BASE SUPPLY WAREHOUSE B180

BUILDING CODE SUMMARY

DATE COMPILED: 01-05-19
LAST UPDATED: **09-24-23**
APPLICABLE CODES:

2018 International Existing Building Code® (EIBC) and UFC 1-200-01/UFC 3-600-01
2018 International Fire Code® (IFC) (Ref. UFC 3-600-01, cites NFPA 1)
2018 International Mechanical Code (IMC) (Ref. UFC 3-410-01, cites IMC)
2018 International Fuel Gas Code (IFGC) (Ref. NFPA 54 (ANSI Z223.1) and NFPA 58)
2018 International Plumbing Code (IPC) (Ref. UFC 3-420-01, cites IPC)
2018 International Energy Conservation Code (IECC) (Ref. UFC 1-200-02, cites ASHRAE 90.1 and ASHRAE 189.1)
National Fire Protection Association (NFPA) 70 National Electrical Code (Ref. UFC 3-501-01, cites NFPA 70)
National Fire Protection Association (NFPA) 101 Life Safety Code
National Fire Protection Association (NFPA) 1500 Standard on Fire Department Occupational Safety, Health, and Wellness Program
Architectural Barriers Act (ABA) Standards – Chapters 1-10
Department of Defense Memorandum *Subject: Access for People with Disabilities*, October 31, 2008.

Please Note: Text from applicable codes has been selected and is re-presented below.
"…." Denotes that text from a paragraph or section has not been included in its entirety.
Project specific determinations are included in the text as follows:
**** Bold italic text following asterisk.***

PROJECT PHYSICAL CHARACTERISTICS

Gross Area: ***27,043 sqft***
Building Area: ***27,452 sqft bldg. area***

****Building Area is not equivalent to Gross Area / Scope Area.***

IEBC CHAPTER 1 – SCOPE AND ADMINISTRATION

IEBC 101 General
[A] 101.2 Scope. The provisions of this code shall apply to the construction, alteration, relocation, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures.

102.6.2 Buildings previously occupied. The legal occupancy of any building existing on the date of adoption of this code shall be permitted to continue without change, except as is specifically covered in this code, the International Fire Code, or the International Property Maintenance Code, or as is deemed necessary by the code official for the general safety and welfare of the occupants and the public.

IEBC CHAPTER 2 – DEFINITIONS

IEBC 202 General Definitions
Addition. An extension or increase in the floor area, number of stories, or height of a building or structure.
****The scope of the new loading dock construction for this project is considered an addition.***

Alteration. Any construction or renovation to an existing structure other than a repair or addition. Alterations are classified as Level 1, Level 2 and Level 3.
****The scope of renovation for this project is considered an alteration.***

[A] CHANGE OF OCCUPANCY. A change in the use of a building or a portion a building which results in one of the following:
1. A change of occupancy classification.
2. A change from one group to another group within an occupancy classification.
3. Any change in use within a group for which there is a change in application of the requirements of this code.

****The building is not changing occupancy classification.***

[B] Existing Building. A building erected prior to the date of adoption of the appropriate code, or one for which a legal building permit has been issued.

Primary Function. A *primary function* is a major activity for which the facility is intended. Areas that contain a *primary function* include, but are not limited to, the customer services lobby of a bank, the dining area of a cafeteria, the meeting rooms in a conference center, as well as offices and other work areas in which the activities of the public accommodation or other private entity using the facility are carried out. Mechanical rooms, boiler rooms, supply storage rooms, employee lounges or locker rooms, janitorial closets, entrances, corridors and restrooms are not areas containing a *primary function*.

Rehabilitation. Any work, as described by the categories of work defined herein, undertaken in an *existing building*.

IEBC CHAPTER 3 – PROVISIONS FOR ALL COMPLIANCE METHODS

IEBC 305 Accessibility
305.1 Scope. The provisions of Sections 305.1 through 305.9 apply to maintenance, *change of occupancy*, *additions* and *alterations* to *existing buildings*, including those identified as *historic buildings*.
305.8.5 Ramps. Where slopes steeper than allowed by Section 1012.2 of the *International Building Code* are necessitated by space limitations, the slope of ramps in or providing access to existing facilities shall comply with Table 305.8.5.

****By definition in IBC Chapter 2 a ramp is a walking surface that has a running slope steeper than one unit vertical in 20 units horizontal (5-percent slope). Based on this definition, neither Ramp 001 or Ramp 002 are ramps. Because they are not officially ramps, they do not require handrails/guardrails/edge protection. Ramp 001 will have handrails and edge protection regardless due to the 6inch change in floor height.***

IEBC CHAPTER 6 – CLASSIFICATION OF WORK

IEBC 604 Alteration – Level 3
604.1 Scope. Level 3 *alterations* apply where the work area exceeds 50% of the aggregate area of the building.
604.2 Application. Level 3 alterations shall comply with the provisions of Chapter 7 and 8 for Level 1 & 2 *alterations, respectively* as well as the provisions of Chapter 9.

****Alterations are Level 3 Alterations as the work area exceeded 50% of the building area.***

IEBC 507 Additions
606.1 Scope. Provisions for *additions* shall apply where work is classified as an *addition* as defined in Chapter 2.
606.2 Application. *Additions* to *existing buildings* shall comply with the provisions of Chapter 11.

****The new loading dock construction is an addition.***

IEBC CHAPTER 7 – ALTERATIONS – LEVEL 1

IEBC 705 Accessibility
705.1 General. A building, facility or element that is altered shall comply with the applicable provisions in Sections 605.1.1 through 605.1.14, Chapter 11 *(see below, Chapters 11 and 34 list additional requirements)* of the *International Building Code* and ICC A117.1 unless it is *technically infeasible*. Where compliance with this section is *technically infeasible*, the *alteration* shall provide access to the maximum extent that is technically feasible.
A facility or element that is constructed or altered to be accessible shall be maintained accessible during occupancy.
Exceptions:
1. The altered element or space is not required to be on an accessible route unless required by Section 705.2.
2. Accessible means of egress required by Chapter 10 of the *International Building Code* are not required to be provided in existing buildings and facilities.

705.1.1 Entrances. Where an *alteration* includes alterations to an entrance, and the building or facility has an accessible entrance on an accessible route, the altered entrance is not required to be accessible unless required by Section 705.2. Signs complying with Section 1110 of the *International Building Code* shall be provided.

705.1.4 Ramps. Where steeper slopes than allowed by Section 1010.3 of the *International Building Code* are necessitated by space limitations, the slope of ramps in or providing access to existing buildings or facilities shall comply with Table 705.1.4.
TABLE 705.1.4 Ramps
SLOPE MAXIMUM RISE
Steeper than 1:10 but not steeper than 1:8 3 inches
Steeper than 1:12 but not steeper than 1:10 6 inches
For SI: 1 inch = 25.4 mm.

705.2 Alterations affecting an area containing a primary function. Where an *alteration* affects the accessibility to a, or contains an area of, *primary function*, the route to the *primary function* area shall be accessible. The accessible route to the *primary function* area shall include toilet facilities or drinking fountains serving the area of *primary function*.

**** Mezzanines do not contain primary function as described in 705.2 areas and are not required to be accessible.***

Exceptions:
1. The costs of providing the accessible route are not required to exceed 20 percent of the costs of the alterations affecting the area of *primary function*.
2. This provision does not apply to alterations limited solely to windows, hardware, operating controls, electrical outlets and signs.
3. This provision does not apply to alterations limited solely to mechanical systems, electrical systems, installation or *alteration* of fire protection systems and abatement of hazardous materials.
4. This provision does not apply to alterations undertaken for the primary purpose of increasing the accessibility of an *existing building*, facility or element.

IEBC CHAPTER 8 - ALTERATIONS – LEVEL 2

IEBC 801 General
801.1 Scope. Level 2 *alterations* as described in Section 404 shall comply with the requirements of this chapter.
801.2 Alteration Level 1 compliance. In addition to the requirements of this chapter, all work shall comply with the requirements of Chapter 7.
801.3 Compliance. All new construction elements, components, systems, and spaces shall comply with the requirements of the *International Building Code*.
Exceptions:
1. Windows may be added without requiring compliance with the light and ventilation requirements of the *International Building Code*.
2. Newly installed electrical equipment shall comply with the requirements of Section 808.
3. The length of dead-end corridors in newly constructed spaces shall only be required to comply with the provisions of Section 805.6.
4. The minimum ceiling height of the newly created habitable and occupiable spaces and corridors shall be 7 feet (2134 mm).

IEBC 802 Special Use and Occupancy
802.1 General. *Alteration* of buildings classified as special use and occupancy as described in the *International Building Code* shall comply with the requirements of Section 801.1 and the scoping provisions of Chapter 1 where applicable.

IEBC 803 Building Elements and Materials
803.1 Scope. The requirements of this section are limited to work areas in which Level 2 *alterations* are being performed, and shall apply beyond the *work area* where specified.

IEBC 804 Fire Protection
804.1 Scope. The requirements of this section shall be limited to work areas in which Level 2 *alterations* are being performed, and where specified they shall apply throughout the floor on which the *work areas* are located or otherwise beyond the *work area*.

804.2 Automatic sprinkler systems. Automatic sprinkler systems shall be provided in accordance with the requirements of Sections 804.2.1 through 804.2.5. Installation requirements shall be in accordance with the *International Building Code*.
804.2.2 Groups A, B, E, F-1, H, I, M, R-1, R-2, R-4, S-1 and S-2. In buildings with occupancies in Groups A, B, E, F-1, H, I, M, R-1, R-2, R-4, S-1 and S-2, work areas that have exits or corridors shared by more than one tenant or that have exits or corridors serving an occupant load greater than 30 shall be provided with automatic sprinkler protection where all of the following conditions occur:
1. The *work area* is required to be provided with automatic sprinkler protection in accordance with the *International Building Code* as applicable to new construction; and
2. The *work area* exceeds 50 percent of the floor area.
Exception: If the building does not have sufficient municipal water supply for design of a fire sprinkler system available to the floor without installation of a new fire pump, work areas shall be protected by an automatic smoke detection system throughout all occupiable spaces other than sleeping units or individual dwelling units that activates the occupant notification system in accordance with Sections 907.4, 907.5 and 907.6 of the *International Building Code*.

****Automatic sprinkler system provided from a previous renovation of the facility and is maintained in the renovation. No change of occupancy is occurring during this renovation.***

804.4 Fire alarm and detection. An approved fire alarm system shall be installed in accordance with Sections 804.4.1 through 804.4.3. Where automatic sprinkler protection is provided in accordance with Section 804.2 and is connected to the building fire alarm system, automatic heat detection shall not be required.
An approved automatic fire detection system shall be installed in accordance with the provisions of this code and NFPA 72. Devices, combinations of devices, appliances, and equipment shall be approved. The automatic fire detectors shall be smoke detectors, except that an approved alternative type of detector shall be installed in spaces such as boiler rooms, where products of combustion are present during normal operation in sufficient quantity to actuate a smoke detector.

IEBC 805 Means of Egress.
805.3 Number of exits. The number of exits shall be in accordance with Sections 805.3.1 through 805.3.3.
805.3.1 Minimum number. Every story utilized for human occupancy on which there is a *work area* that includes exits or corridors shared by more than one tenant within the *work area* shall be provided with the minimum number of exits based on the occupancy and the occupant load in accordance with the *International Building Code*.
****Minimum number of exits have been provided or exceeded.***

805.4 Egress doorways. Egress doorways in any *work area* shall comply with Sections 805.4.1 through 805.4.5.
805.4.1 Two egress doorways required. Work areas shall be provided with two egress doorways in accordance with the requirements of Sections 805.4.1.1 and 805.4.1.2.
805.4.1.1 Occupant load and travel distance. In any *work area*, all rooms and spaces having an occupant load greater than 50 or in which the travel distance to an exit exceeds 75 feet (22 860 mm) shall have a minimum of two egress doorways.
****Minimum number of egress doorways have been provided or exceeded.***

805.6 Dead-end corridors. Dead-end corridors in any *work area* shall not exceed 35 feet (10 670 mm).

****There are no dead-end corridors.***

805.9.1 Minimum requirement. Every required exit stairway that is part of the means of egress for any work area and that has three or more risers and is not provided with at least one handrail, or in which the existing handrails are judged to be in danger of collapsing, shall be provided with handrails for the full length of the run of steps on at least one side. All exit stairways with a required egress width of more than 66 inches shall have handrails on both sides.

****New handrails are required and will be provided at all egress stairs.***

805.9.2 Design. Handrails required in accordance with Section 805.9.1 shall be designed and installed in accordance with the provisions of the International Building Code.

805.10 Guards. The requirements of Sections 805.10.1 and 805.10.2 shall apply to guards from the work area floor to, and including the level of exit discharge but shall be confined to the egress path of any work area.
805.10.1 Minimum requirement. Every open portion of a stair, landing, or balcony that is more than 30 inches above the floor or grade below and is not provided with guards, or these portions in which existing guards are judged to be in danger of collapsing, shall be provided with guards.
IEBC 806 Accessibility
806.1 General. A building, facility, or element that is altered shall comply with Section 705.

IEBC CHAPTER 9– ALTERATION LEVEL - 3

IEBC 903 Building Elements and Materials
903.1 Existing shafts and vertical openings. Existing stairways that are part of the means of egress shall be enclosed in accordance with Section 803.2.1 from the highest *work area* floor to, and including, the level of discharge and all floors below.
IEBC 904 Fire Protection
904.1 Automatic sprinkler system. Automatic sprinkler systems shall be provided in all work areas when required by Section 804.2 or this section.

****See previous note at section 804.2.2.***

904.2 Fire alarm and detection systems. Fire alarm and detection systems complying with Sections 804.4.1 and 804.4.3 shall be provided throughout the building in accordance with the International Building Code.
IEBC 905 Means of Egress
905.1 General. The means of egress shall comply with the requirements of Section 805 except as specifically required in Sections 905.2 and 905.3.
905.2 Means-of-egress lighting. Means of egress from the highest work area floor to the floor of exit discharge shall be provided with artificial lighting within the exit enclosure in accordance with the requirements of the International Building Code.
905.3 Exit signs. Means of egress from the highest work area floor to the floor of exit discharge shall be provided with exit signs in accordance with the requirements of the International Building Code.
IEBC 908 Energy Conservation
908.1 Minimum requirements. Level 3 alterations to existing buildings or structures are permitted without requiring the entire building or structure to comply with the energy requirements of the International Energy Conservation Code or International Residential Code as they relate to new construction only.

IEBC CHAPTER 11– ADDITIONS

IEBC 1101 General
1101.1 Scope. An *addition* to a building or structure shall comply with the *International Codes* as adopted for new construction without requiring the *existing building* or structure to comply with any requirements of those codes or of these provisions, except as required by this chapter. Where an *addition* impacts the *existing building* or structure, that portion shall comply with this code.
1101.2 Creation or extension of nonconformity. An *addition* shall not create or extend any nonconformity in the *existing building* to which the *addition* is being made with regard to accessibility, structural strength, fire safety, means of egress, or the capacity of mechanical, plumbing, or electrical systems.
1101.3 Other work. Any *repair* or *alteration* work within an *existing building* to which an *addition* is being made shall comply with the applicable requirements for the work as classified in Chapter 5.

IEBC 1102 Heights and Areas

1102.1 Height limitations. No *addition* shall increase the height of an *existing building* beyond that permitted under the applicable provisions of Chapter 5 of the *International Building Code* for new buildings.
1102.2 Area limitations. No *addition* shall increase the area of an *existing building* beyond that permitted under the applicable provisions of Chapter 5 of the *International Building Code* for new buildings unless fire separation as required by the *International Building Code* is provided.

****The total square footage of the addition totals 377 sqft and does not exceed the provisions of IBC Chapter 5.***

Exception: In-filling of floor openings and non-occupiable appendages such as elevator and exit stair shafts shall be permitted beyond that permitted by the *International Building Code.*
1102.3 Fire protection systems. Existing fire areas increased by the *addition* shall comply with Chapter 9 of the *International Building Code.*

IEBC 1105 Accessibility
1105.1 Minimum requirements. Accessibility provisions for new construction shall apply to additions. An addition that affects the accessibility to, or contains an area of, *primary function* shall comply with the requirements of Sections 705, 806 and 906, as applicable.

****The loading dock addition does not affect accessibility to a primary function and does not contain a primary function.***

IEBC 1106 Energy Conservation
1106.1 Minimum requirements. *Additions* to *existing buildings* shall conform to the energy requirements of the *International Energy Conservation Code* or *International Residential Code* as they relate to new construction.

IEBC CHAPTER 15 – CONSTRUCTION SAFEGUARDS

IEBC SECTION 1501 General
1501.2 Storage and placement. Construction equipment and materials shall be stored and placed so as not to endanger the public, the workers or adjoining property for the duration of the construction project.
1501.3 Alterations, repairs, and additions. Required exits, existing structural elements, fire protection devices, and sanitary safeguards shall be maintained at all times during alterations, repairs, or additions to any building or structure.
Exceptions:
1. When such required elements of devices are being altered or repaired, adequate substitute provisions shall be made.
2. When the *existing building* is not occupied
1501.4 Manner of removal. Waste materials shall be removed in a manner which prevents injury or damage to persons, adjoining properties, and public rights of way.
1501.5 Fire safety during construction. Fire safety during construction shall comply with the applicable requirements of the *International Building Code* and the applicable provisions of Chapter 33 of the *International Fire Code.*

IEBC SECTION 1504 Fire Extinguishers
1504.1 Where required. All structures under construction, alteration, or demolition shall be provided with not less than one approved portable fire extinguisher in accordance with Section 906 of the *International Fire Code* and sized for not less than ordinary hazard as follows:
1. At each stairway on all floor level where combustible materials have accumulated.
2. In every storage and construction shed.
3. Additional portable fire extinguishers shall be provided where special hazards exist including, but not limited to, the storage and use of flammable and combustible liquids.

IEBC Section 1505 Means of Egress
1505.2 Maintenance of means of egress. Required means of egress shall be maintained at all times during construction, demolition, remodeling or alterations and additions to any building.
Exception: Approved temporary means of egress systems and facilities.
IEBC Section 1508 Accessibility
1508.1 Construction sites. Structures sites, and equipment directly associated with the actual process of construction, including, but not limited to scaffolding, bridging, material hoists, material storage, or construction trailers are not required to be accessible.
IEBC Section 1509 Water Supply for Fire Protection
1509.1 When required. An approved water supply for fire protection, either temporary or permanent, shall be made available as soon as combustible material arrives on the site.

CHAPTER 3 – USE AND OCCUPANCY CLASSIFICATION
(IBC CHAPTER 3 AND UFC 3-600-01)

Excerpt from the 3-600-01:
"3-1 GENERAL

This UFC utilizes criteria from ***both*** IBC and NFPA 101. Care must be exercised when using this UFC to ensure proper use of IBC and NFPA 101.
3-2 INTERNATIONAL BUILDING CODE (IBC).

3-2.1 General.

3-2.1.1 The IBC must be used where dictated by UFC 1-200-01 except where noted in this UFC.

3-2.1.2 The IBC must be utilized to determine the occupancy classification as it relates to allowable construction type, building height, building area, building separation distance, occupancy separation and associated requirements.

3-3 NFPA 101.

3.3.1 General.

3-3.1.1 NFPA 101 must be utilized to determine the occupancy classification as it relates to fire/smoke resistance rating of interior non-load bearing partitions (other than occupancy separation), means of egress, interior finish, features of fire protection (including vertical openings) and associated requirements.

3-3.1.2 Where specific criteria is provided in NFPA 101 related to occupancy location within a building (i.e. story), conform to the requirements of NFPA 101 based on the equivalent construction type."

IBC 304 Business – B (NFPA 101 Business 6.1.11, see CH 38 &39)
Business Group B occupancy includes, among others, the use of a building or structure, or a portion thereof, for office, professional or service-type transactions, including storage of records and accounts.
Professional services (architects, attorneys, dentists, physicians, engineers, etc.)
Training and skill development not in a school or academic program (this shall include, but not be limited to, tutoring centers, martial arts studios, gymnastics and similar uses regardless of the ages served, and where not classified as a Group A occupancy).

[F] 307.1 High-hazard Group H.
High-hazard Group H occupancy includes, among others, the use of a building or structure, or a portion thereof, that involves the manufacturing, processing, generation or storage of materials that constitute a physical or health hazard in quantities in excess of those allowed in control areas complying with Section 414, based on the maximum allowable quantity limits for control areas set forth in Tables 307.1(1) and 307.1(2). Hazardous occupancies are classified in Groups H-1, H-2, H-3, H-4 and H-5 and shall be in accordance with this section, the requirements of Section 415 and the International Fire Code. Hazardous materials stored, or used on top of roofs or canopies, shall be classified as outdoor storage or use and shall comply with the International Fire Code.
****See Code Plan.***

IBC 311.1 Storage Group S. (NFPA 101 Storage 6.1.13, see CH 42)
Storage Group S occupancy includes, among others, the use of a building or structure, or a portion thereof, for storage that is not classified as a hazardous occupancy.

IBC 311.2 Moderate-hazard storage, Group S-1.
Storage Group S-1 occupancies are buildings occupied for storage uses that are not classified as Group S-2, including, but not limited to, storage of the following:
Aircraft hangar (storage and repair)
Bags: cloth, burlap and paper
Books and paper in rolls or packs
Boots and shoes
Clothing, woolen wearing apparel
****See Code Plan.***

NFPA 101 CHAPTER 38: NEW BUSINESS OCCUPANCIES

38.2.3 Capacity of Means of Egress

38.2.3.2 The clear width of any corridor or passageway serving and occupant load of 50 or more shall not be less than 44in.

38.2.4.1 Means of egress shall comply with all of the following except as otherwise permitted by 38.2.4.2 through 38.2.4.6:
(2) Not less than two separate exits shall be provided on every story.

38.2.5.3.1 Common path of travel shall not exceed 100 ft (30m) in a building protected throughout by an approved supervised automatic sprinkler system in accordance with 9.7.1(1)
38.2.6.3 Travel distance shall not exceed 300 ft (91 m) in business occupancies protected throughout by an approved, supervised automatic sprinkler system in accordance with Section 9.7.

38.3.6 Corridors

38.3.6.1 Where access to exits is provided by corridors, such corridors shall be separated from use areas by fire barriers in accordance with Section 8.3 having a minimum 1-hour fire resistance rating, unless one of the following conditions exists:

(2) Within buildings protected throughout with by an approved, supervised automatic sprinkler system in accordance with 9.7.1.1(1).

****The building is equipped with an approved, supervised automatic sprinkler system.***

NFPA 101 CHAPTER 39: EXISTING BUSINESS OCCUPANCIES

39.1.3.1.1 All multiple occupancies shall be in accordance with 6.1.14 and 39.1.3.

39.2.2.1 Stairs complying with 7.2.2 shall be permitted.

39.2.2.12.1 Areas of refuge complying with 7.2.12 shall be permitted.

39.2.3.2 The clear width of any corridor or passageway serving and occupant load of 50 or more shall not be less than 44in.

39.2.5.2 Dead-end corridors shall not exceed 50ft.

39.2.6.3 Travel distance to an exit shall not exceed 300ft in business occupancies protected throughout by and approved supervised automatic sprinkler system in accordance with Section 9.7.

****Travel distance does not exceed 300ft and has an automatic sprinkler system***

39.3.3.2.1 Interior wall and ceiling finishes materials complying with Section 10.2 shall be Class A or Class B in exits and in exit access corridors.

39.3.3.2.2 Interior wall and ceiling finishes shall be Class A, Class B, or Class C in areas other than those specified in 39.3.3.2.1.

NFPA 101 CHAPTER 42: STORAGE OCCUPANCIES

42.1.3 Multiple occupancies. All multiple occupancies shall be in accordance with 6.1.14.

42.2.4.1 The number of means of egress shall comply with any of the following:
(1) In low hazard storage occupancies, a single means of egress shall be permitted from any story or section
(2) In ordinary hazard storage occupancies, a single means of egress shall be permitted from any story or section, provided that the exit can be reached within the distance permitted as a common path of travel.
(3) All buildings or structures not complying with 42.2.4.1(1) or 42.2.4.1 (2) and used for storage, and every section thereof considered separately, shall have not less than two separate means of egress as remotely located from each other as practicable.

42.2.6 Travel Distance to Exits. Travel distance, measured in accordance with Section 7.6, shall not exceed that provided by table 42.2.6.

****Travel distance does not exceed the specified 400ft and has an automatic sprinkler system.***

42.3.3.2.1 Interior Finishes. Interior wall and ceiling finishes shall be Class A, Class B, or Class C in accordance with Section 10.2 in storage areas and shall be as required by 7.1.4 in exit enclosures.

NFPA 101 CHAPTER 43: BUILDING REHABILITATION

43.8 Additions.
43.8.1 General Requirements.

43.8.1.1 Where and addition, as defined in 43.2.2.7 is made to a building, both the following criteria shall be met:

(1) The addition shall comply with other sections of this Code applicable to new construction for the occupancy.
(2) The existing portion of the building shall comply with the requirements of this Code applicable to existing buildings for the occupancy.

43.8.1.2 An addition shall not create or extend any non-conformity with regard to fire safety or the means of egress in the existing building for which the addition is constructed.

43.8.1.3 Any repair, renovation, alteration, or reconstruction work within an existing building to which an addition is being made shall comply with the requirements of section 43.3, 43.4, 43.5, and 43.6.

43.8.2 Heights. No addition shall increase the height of an existing building beyond that permitted under the applicable provisions for new building construction.

43.8.3 Fire Protection Systems. In other than one- and two- story family dwellings, existing compartment areas without an approved separation from the addition shall be protected by an approved automatic sprinkler system where the combined areas would be required to be sprinklered by the provisions applicable to new construction for the occupancy.

43.8.4 Smoke Alarms. Where an addition is made to a one- or two-family dwelling or a small residential board and care occupancy, interconnected smoke alarms, powered by the electrical system, meeting the requirements of the other sections of this Code shall be installed and maintained in the addition.

CHAPTER 5 – GENERAL BUILDING HEIGHTS AND AREAS
(IBC CHAPTER 5 AND UFC 3-600-01)

IBC 508 Mixed Use Occupancy
Each portion of a building shall be individually classified in accordance with Section 302.1. Where a building contains more than one occupancy group, the building or portion thereof shall comply with the applicable provisions of Sections 508.2, 508.3, or 508.4 or a combination of these sections.

508.3 Nonseparated occupancies. Buildings or portions of buildings that comply with the provisions of this section shall be considered as nonseparated occupancies.

508.3.1 Occupancy classification.
Nonseparated occupancies shall be individually classified in accordance with Section 302.1. The requirements of this code shall apply to each portion of the building based on the occupancy classification of that space. In addition, the most restrictive provisions of Chapter 9 that apply to the nonseparated occupancies shall apply to the total nonseparated occupancy area. Where nonseparated occupancies occur in a *high-rise building*, the most restrictive requirements of Section 403 that apply to the nonseparated occupancies shall apply throughout the *high-rise building*.
508.3.2 Allowable building area and height.
The allowable *building area and height* of the building or portion thereof shall be based on the most restrictive allowances for the occupancy groups under consideration for the type of construction of the building in accordance with Section 503.1.
508.3.3 Separation. No separation is required between nonseparated occupancies.

Exceptions:
1. Group H-2, H-3, H-4 and H-5 occupancies shall be separated from all other occupancies in accordance with Section 508.4.

****The building is allowed to have nonseparated occupancies per above, except for the H-3 High Hazard storage area. Per the Exception above, a 1-hour separation is required the H-3 storage area and other uses.***

508.4 Separated Occupancies.

508.4.4 Separation. Individual occupancies shall be separated from adjacent occupancies in accordance with Table 508.4.

TABLE 508.4
REQUIRED SEPARATION OF OCCUPANCIES (HOURS)[f]

OCCUPANCY	A, E		I-1[a], I-3, I-4		I-2		R[a]		F-2, S-2[b], U		B[e], F-1, M, S-1		H-1		H-2		H-3, H-4		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-1[a], I-3, I-4	—	—	N	N	2	NP	1	NP	1	2	1	2	NP	NP	3	NP	2	NP	2	NP
I-2	—	—	—	—	N	N	2	NP	2	NP	2	NP	NP	NP	3	NP	2	NP	2	NP
R[a]	—	—	—	—	—	—	N	N	1[c]	2[c]	1	2	NP	NP	3	NP	2	NP	2	NP
F-2, S-2[b], U	—	—	—	—	—	—	—	—	N	N	1	2	NP	NP	3	4	2	3	2	NP
B[e], F-1, M, S-1	—	—	—	—	—	—	—	—	—	—	N	N	NP	NP	2	3	1	2	1	NP
H-1	—	—	—	—	—	—	—	—	—	—	—	—	N	NP	NP	NP	NP	NP	NP	NP
H-2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	N	NP	1	NP	1	NP
H-3, H-4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1[d]	NP	1	NP
H-5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	N	NP

S = Buildings equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1.
NS = Buildings 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 not to less than 1 hour.
c. See Section 406.3.2.
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.

NFPA 101 6.1.14 Multiple Occupancies

6.1.14.1.2 Where exit access from an occupancy traverses another occupancy, the multiple occupancy shall be treated as a mixed occupancy.

6.1.14.3 Mixed Occupancies

6.1.14.3.1 Each portion of the building shall be classified as to its use in accordance with section 6.1.

6.1.14.3.2 The building shall comply with the most restrictive requirements of the occupancies involved, unless separate safeguards are approved.

****The building is considered Mixed Occupancy per NFPA, and complies with the requirements of 6.1.14 Multiple Occupancies.***

CHAPTER 6 – TYPES OF CONSTRUCTION
(IBC CHAPTER 6 AND UFC 3-600-01)

IBC 602 Construction Classification
602.2 Type IIB. (NFPA 220 EQUIVALENT CONSTRUTION: TYPE II (000))
Types I and II construction are those types of construction in which the building elements listed in Table 601 are of noncombustible materials, except as permitted in Section 603 and elsewhere in this code.

****The existing building appears to meet the definition and minimum requirements for Type IIB.***

TABLES 601 & 602 – FIRE RESISTANCE RATING REQUIREMENTS

Structural Frame	*0 hours*
Bearing Walls	
Exterior	*0 hours*a*
Interior	*0 hours*
Nonbearing walls & partitions	
Exterior	*0 hours*b*
Interior	*0 hours**
Floor Construction	*0 hours*
Roof Construction	*0 hours*

**automatic sprinkler system provided*

****Chapter 7 of IBC is directly referred to here in Chapter 6 – Per UFC 3-600-01 7-1 IBC CH 07 should be utilized when specifically referenced by CH 5 or CH 6. See IBC 708 code review in Chapter 7 summary below.***

CHAPTER 7 - FIRE-RESISTANCE-RATED CONSTRUCTION
(IBC CHAPTER 7 AND UFC 3-600-01 - USE NFPA 101 CHAPTER 8 FEATURES OF FIRE PROTECTION EXCEPT AS NOTED IN UFC 3-600-01)

NFPA 8.3 Fire Barriers.

8.3.1 General.
8.3.1.1 Fire barriers used to provide enclosure, subdivision, or protection under this *Code* shall be classified in accordance with one of the following fire resistance ratings:
(1)-3-hour fire resistance rating
(2) 2-hour fire resistance rating
(3) 1-hour fire resistance rating
(4) 1/2-hour fire resistance rating

8.3.1.2 Fire barriers shall comply with one of the following:

(1) The fire barriers are continuous from outside wall to outside wall or from one fire barrier to another, or a combination thereof, including continuity through all concealed spaces, such as those found above a ceiling, including interstitial spaces.

(2) The fire barriers are continuous from outside wall to outside wall or from one fire barrier to another, and from the floor to the bottom of the interstitial space, provided that the construction assembly forming the bottom of the interstitial space has a fire resistance rating not less than that of the fire barrier.

****1-Hour rated walls at the Hazardous Storage area will be continuous to underside of roof deck.***
****Exit access corridors serve an occupant load greater than 30, however as the occupancy classifications do not change in the altered areas of the existing building, the corridors will not be rated per NFPA 7.1.3.1 Exit Access Corridors, exception (1) and per NFPA Chapter 38 noted herein.***

NFPA 8.5 Smoke Barriers.

8.5.1 General. Where required by Chapters 11-43, smoke barriers shall be provided to subdivide building spaces for the purpose of restricting the movement of smoke.
8.5.2 Continuity
8.5.2.1 Smoke barriers required by this *Code* shall be continuous from an outside wall to an outside wall, from a floor to a floor, or from a smoke barrier to a smoke barrier, or by use of a combination thereof.

IBC Section 705 – Exterior Walls
705.5 Fire-resistance ratings. Exterior walls shall be fire-resistance rated in accordance with Tables 601 and 602 and this section. The required fire-resistance rating of exterior walls with fire separation distance of greater than 10 feet shall be rated for exposure to fire from the inside. The required fire-resistance rating of exterior walls with a fire separation distance of less than or equal to 10 feet shall by rated for exposure to fire from both sides.

TABLE 705.8 - MAXIMUM AREA OF EXTERIOR WALL OPENINGS

Fire Separation Distance	Degree of Opening Protection	Allowable Area
30' or greater	Unprotected, Sprinklered	No limit

****No rating is required for new exterior wall patches or modified exterior walls.***

IBC 708 Fire Partitions
708.1 General.
The following wall assemblies shall comply with this section.
1. Separation walls as required by Section 420.2 for Groups I-1, R-1, R-2 and R-3.
708.3 Fire-resistance rating.
Fire partitions shall have a *fire resistance rating* of not less than 1 hour.
Exceptions:
1. Corridor walls permitted to have a 1/2-hour *fire resistance rating* by Table 1020.1.

IBC 714 Penetrations
714.3 Fire-resistance-rated walls. Penetrations into or through *fire walls*, *fire barriers*, *smoke barrier* walls and *fire partitions* shall comply with Sections 714.3.1 through 714.3.3. Penetrations in *smoke barrier* walls shall also comply with Section 714.4.4.

714.3.1 Through penetrations. Through penetrations of fire-resistance-rated walls shall comply with Section 714.3.1.1 or 714.3.1.2.
Exception: Where the penetrating items are steel, ferrous or copper pipes, tubes or conduits, the *annular space* between the penetrating item and the fire-resistance-rated wall is permitted to be protected by either of the following measures:
1. In concrete or masonry walls where the penetrating item is a maximum 6-inch (152 mm) nominal diameter and the area of the opening through the wall does not exceed 144 square inches (0.0929 m2), concrete, grout or mortar is permitted where installed the full thickness of the wall or the thickness required to maintain the *fire-resistance rating*.
2. The material used to fill the *annular space* shall prevent the passage of flame and hot gases sufficient to ignite cotton waste when subjected to ASTM E119 or UL 263 time-temperature fire conditions under a minimum positive pressure differential of 0.01 inch (2.49 Pa) of water at the location of the penetration for the time period equivalent to the *fire-resistance rating* of the construction penetrated.

****All structural steel penetrations through fire walls will comply with exception 2 above.***

714.3.1.1 Fire-resistance-rated assemblies. Penetrations shall be installed as tested in an *approved* fire resistance- rated assembly.

714.3.1.2 Through-penetration firestop system. *Through penetrations* shall be protected by an *approved* penetration firestop system installed as tested in accordance with ASTM E814 or UL 1479, with a minimum positive pressure differential of 0.01 inch (2.49 Pa) of water and shall have an F rating of not less than the required *fire-resistance rating* of the wall penetrated.

****All structural steel penetrations through fire walls will comply with 714.3.1.2.***

CHAPTER 8 – INTERIOR FINISHES
(UFC 3-600-01 IN LIEU OF IBC CHAPTER 8 – USE NFPA 101 CHAPTER 10)

****See (INDIVIDUAL OCCUPANY SPECIFIC REQUIREMENTS) above.***

CHAPTER 9 – FIRE PROTECTION SYSTEMS
(UFC 3-600-01 IN LIEU OF IBC CHAPTER 9)

UFC 3-600—1 Chapter 9-7 Automatic Sprinkler Systems.

UFC 9-7.1.1
Automatic Sprinkler Systems must comply with NFPA 13, except where specifically modified by this UFC.

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DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:
ROY T. DECKER REGISTERED ARCHITECT 2879 MISSISSIPPI
SEPTEMBER 27, 2023
REGISTERED ARCHITECT ANNE MARIE DECKER 3044 JACKSON, MS STATE OF MISSISSIPPI
SEPTEMBER 27, 2023

DRAWN BY: MCH	SCALE: NA
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE
CODE SUMMARY

SHEET NUMBER
R1.1

UFC 9-7.1.2
When automatic sprinkler protection is required by this UFC, it is meant that a wet pipe sprinkler system is to be provided, unless environmental concerns indicate otherwise (e.g. freezing conditions).

An automatic sprinkler system (wet pipe) is provided in this building.

UFC 3-600—1 Chapter 9-17 Portable Fire Extinguishers.

Per UFC 3-600-10 9-17.1 General. General purpose portable fire extinguishers are not required when the Facility is provided with complete automatic sprinkler protection and fire alarm system in accordance with this UFC.
****UFC 3-600-10 9-17.2.1 When provided, portable fire extinguishers must be located in accordance with NFPA 10.***

Portable fire extinguishers are provided in this building and will conform to NFPA 10 and IBC.

IBC 906 Portable Fire Extinguishers
Class C Fire Extinguishers must be used for sensitive electronic equipment. NFPA 10 requires the use of carbon dioxide or halogenated agents.

TABLE 906.3.1 - FIRE EXTINGUISHERS FOR CLASS A FIRE HAZARDS

Minimum Rated Single Extinguisher	2A:10B:C
Maximum Floor Area Per Unit of A	3,000 sqft
Maximum Floor Area For Extinguisher	11,250 sqft
Maximum Travel Distance to Extinguisher	75 ft

UFC 3-600—1 Chapter 9-18 Fire Alarm System.

UFC 9-18.1.1
Fire alarm systems (detection and notification) must comply with the applicable provisions of NFPA 72 and the ABA, except as modified in this UFC.

A fire alarm system is provided in this building and will conform to UFC 3-600—1 requirements for detection, notification, and reporting.

CHAPTER 10 - MEANS OF EGRESS
(UFC 3-600-01 IN LIEU OF IBC CHAPTER 10 - USE NFPA 101 CHAPTER 7)

IBC 1004 Occupant Load

IBC TABLE 1004.1.2 - MAX. FLOOR AREA ALLOWANCES PER OCCUPANT (TOTAL OCCUPANCY)

Business - 150 gsf per Occupant	40.5	Occupants
Accessory storage/mech- 300 gsf per Occupant	3.02	Occupants
Storage - 300 gsf per Occupant	71.79	Occupants
High Hazard - 300 gsf per Occupant	3.23	Occupants
	118.56	**Total Occupants**

NFPA 101 Occupant Load

TABLE 7.3.1.2 FLOOR AREA ALLOWANCES PER OCCUPANT (TOTAL OCCUPANCY)

Business - 150 gsf per Occupant	40.5	Occupants
Accessory storage/mech- 300 gsf per Occupant	3.02	Occupants
Storage - 500 gsf per Occupant	43.07	Occupants
High Hazard - 500 gsf per Occupant	9.75	Occupants
	95.89	**Total Occupants**

NFPA 7.1.3.1 Exit Access Corridors. Corridors used exit access and serving an area having an occupant load exceeding 30 shall be separated from other parts of the building by walls having not less than a 1-hour fire resistance rating in accordance with Section 8.3, unless otherwise permitted by one of the following:
(1) This requirement shall not apply to existing buildings, provided that the occupancy classification does not change.
(2) This requirement shall not apply where otherwise provided in Chapters 11 through 43.

****Exit access corridors serve an occupant load greater than 30, however as the occupancy classifications do not change in the altered areas of the existing building, the corridors will not be rated per 7.1.3.1(1) above.***

NFPA 7.4 Number of Means of Egress.

7.4.1 General.
7.4.1.1 The number of means of egress from any balcony, mezzanine, story, or portion thereof shall not be less than two, except under one of the following conditions:
(1) A single means of egress shall be permitted where permitted in Chapters 11-43.
(2) A single means of egress shall be permitted for a mezzanine or balcony where the common path of travel limitations of Chapter 11 through 43 are met.

****Per NFPA 12.2.4.5 "Balconies or mezzanines having an occupant load not exceeding 50 shall be permitted to be served by a single means of egress, and such means of egress shall be permitted to lead to the floor below." Given that neither mezzanine has an occupant load greater than 50, they will have only one means of egress. See also IBC 2018. Mezzanines are not primary use areas, are not currently accessible, and will not be accessible.***

NFPA 7.5.4 Accessible Means of Egress.

7.5.4.1 Areas accessible to people with severe mobility impairment, other than in existing buildings, shall have not less than two accessible means of egress, unless provided in 7.5.4.1.2 through 7.5.4.1.4.

7.5.4.1.1 Access within the allowable travel distance shall be provided to not less than one accessible area of refuge or one accessible exit providing an accessible route to an exit discharge.

7.5.4.1.4 Exit access travel along the accessible means of egress shall be permitted to be common for the distances permitted as common paths of travel.

7.5.4.2 Where two accessible means of egress are required, the exits serving such means of egress shall be located at a distance from one another not less than on half the length of the maximum overall diagonal dimension of the building or area to be served. This distance shall be measured in a straight line between the nearest edge of the exit doors or exit access doors, unless otherwise provided in 7.5.4.2.1 through 7.5.4.2.3.

CHAPTER 11 - ACCESSIBILITY
(PER 1-200-01 USE ABA STANDARDS AND DOD MEMO. *SUBJECT: ACCESS FOR PEOPLE WITH DISABILITIES* IN LIEU OF IBC CHAPTER 11)

CHAPTER 2: SCOPING REQUIREMENTS

F201.1 Scope. All areas of newly designed and newly constructed *buildings* and *facilities* and *altered* or *leased* portions of existing *buildings* and *facilities* shall comply with these requirements.

F204 Protruding Objects
F204.1 General. Protruding objects on *circulation paths* shall comply with 307.

F206 Accessible Routes
F206.1 General. *Accessible* routes shall be provided in accordance with F206 and shall comply with Chapter 4 except that the exemptions at 403.5, 405.5, and 405.8 shall not apply.

F206.2 Where Required. *Accessible* routes shall be provided where required by F206.2.
F206.2.1 Site Arrival Points. At least one *accessible route* shall be provided within the *site* from *accessible parking spaces* and *accessible* passenger loading zones; public streets and sidewalks; and public transportation stops to the *accessible building* or *facility entrance* they serve.

F206.2.2 Within a Site. At least one *accessible* route shall connect *accessible buildings*, *accessible facilities*, *accessible* elements, and *accessible spaces* that are on the same *site*.

F208 Parking Spaces
F208.1 General. Where parking *spaces* are provided, parking *spaces* shall be provided in accordance with F208.

****Parking areas are existing and not being modified.***

F213 Toilet Facilities and Bathing Facilities
F213.1 General. Where toilet *facilities* and bathing *facilities* are provided, they shall comply with F213. Where toilet *facilities* and bathing *facilities* are provided in *facilities* permitted by F206.2.3 Exceptions 1 and 2 not to connect *stories* by an *accessible route*, toilet *facilities* and bathing *facilities* shall be provided on a *story* connected by an *accessible* route to an *accessible entrance*.
F213.2 Toilet Rooms and Bathing Rooms. Where toilet rooms are provided, each toilet room shall comply with 603. Where bathing rooms are provided, each bathing room shall comply with 603.
F213.3 Plumbing Fixtures and Accessories. Plumbing fixtures and accessories provided in a toilet room or bathing room required to comply with F213.2 shall comply with F213.3.
F213.3.1 Toilet Compartments. Where toilet compartments are provided, at least one toilet compartment shall comply with 604.8.1. In addition to the compartment required to comply with 604.8.1, at least one compartment shall comply with 604.8.2 where six or more toilet compartments are provided, or where the combination of urinals and water closets totals six or more fixtures.
F213.3.2 Water Closets. Where water closets are provided at least one shall comply with 604.
F213.3.3 Urinals. Where more than one urinal is provided, at least one shall comply with 605.
F213.3.4 Lavatories. Where lavatories are provided, at least one shall comply with 506 and shall not be located in a toilet compartment.
F213.3.5 Mirrors. Where mirrors are provided, at least one shall comply with 603.3

F216.4.1 Exit Doors. Doors at exit passageways, exit discharge, and exit stairways shall be identified by *tactile* signs complying with 703.1, 703.2, and 703.5.
F216.4.3 Directional Signs. Signs required by section 1003.2.13.6 of the International Building Code (2000 edition) or section 1007.7 of the International Building Code (2003 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1) to provide directions to *accessible means of egress* shall comply with 703.5.

****All modified areas comply with ABA standards.***

CHAPTER 8: SPECIAL ROOMS, SPACES, AND ELEMENTS

803.1 General. Dressing, fitting, and locker rooms shall comply with 803.

803.4 Benches. A bench complying with 903 shall be provided in the room.

****No ABA bench will be provided per request in email from Major Roberts on 09/31/23.***

CHAPTER 29 - PLUMBING SYSTEMS
(CHAPTER 29 IS MODIFIED BY UFC 3-420-01)

IBC 2902 Minimum Plumbing Facilities

[P] 2902.1 Minimum number of fixtures. Plumbing fixtures shall be provided in the minimum number as shown in Table 2902.1 based on the actual use of the building or space. Uses not shown in Table 2902.1 shall be considered individually by the code official. The number of occupants shall be determined by this code.

[P] 2902.1.1 Fixture calculations. To determine the *occupant load* of each sex, the total *occupant load* shall be divided in half. To determine the required number of fixtures, the fixture ratio or ratios for each fixture type shall be applied to the *occupant load* of each sex in accordance with Table 2902.1. Fractional numbers resulting from applying the fixture ratios of Table 2902.1 shall be rounded up to the next whole number. For calculations involving multiple occupancies, such fractional numbers for each occupancy shall first be summed and then rounded up to the next whole number.

Exception: The total *occupant load* shall not be required to be divided in half where approved statistical data indicate a distribution of the sexes of other than 50 percent of each sex.

****The owner (Air National Guard/Government) provided program data and requirements for unequal distribution of fixtures per actual use of the building. Due to the majority male occupancy, more male fixtures are provided for water closets, lavatories, and showers.***

IPC 403 Minimum Plumbing Facilities

TABLE 403.1 – MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES

Water Closets:	*4 men / 4 women*
Lavatories:	*3 men / 3 women*
Showers:	*2 men / 2 women*
Drinking Fountains:	*2 total*
Service Sink:	*1 per floor*

B (Per UFC 3-420-01 IPC Chapter 4 Supplement D.) "Business – Air Force)
Total 42.5 OCCUPANTS / 2 = 49 MALE/FEMALE

Water Closets (1/20) (Male):	3
Water Closets (1/20) (Female):	3
Lavatories (1/20:	3 EA Male and Female
Showers (1/15):	3 EA Male and Female
Drinking Fountains:	1 (per floor)
Service Sink:	1 (per floor)

S (Per 403.1)
Total 72.036 OCCUPANTS / 2 = 10 MALE/FEMALE

Water Closets 1/100 (Male):	1
Water Closets 1/100(Female):	1
Lavatories 1/100:	1 EA Male and Female
Drinking Fountains 1/100:	1
Service Sink:	1

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2879
MISSISSIPPI

SEPTEMBER 27, 2023

REGISTERED ARCHITECT
ANNE MARIE DECKER
3044
JACKSON, MS
STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

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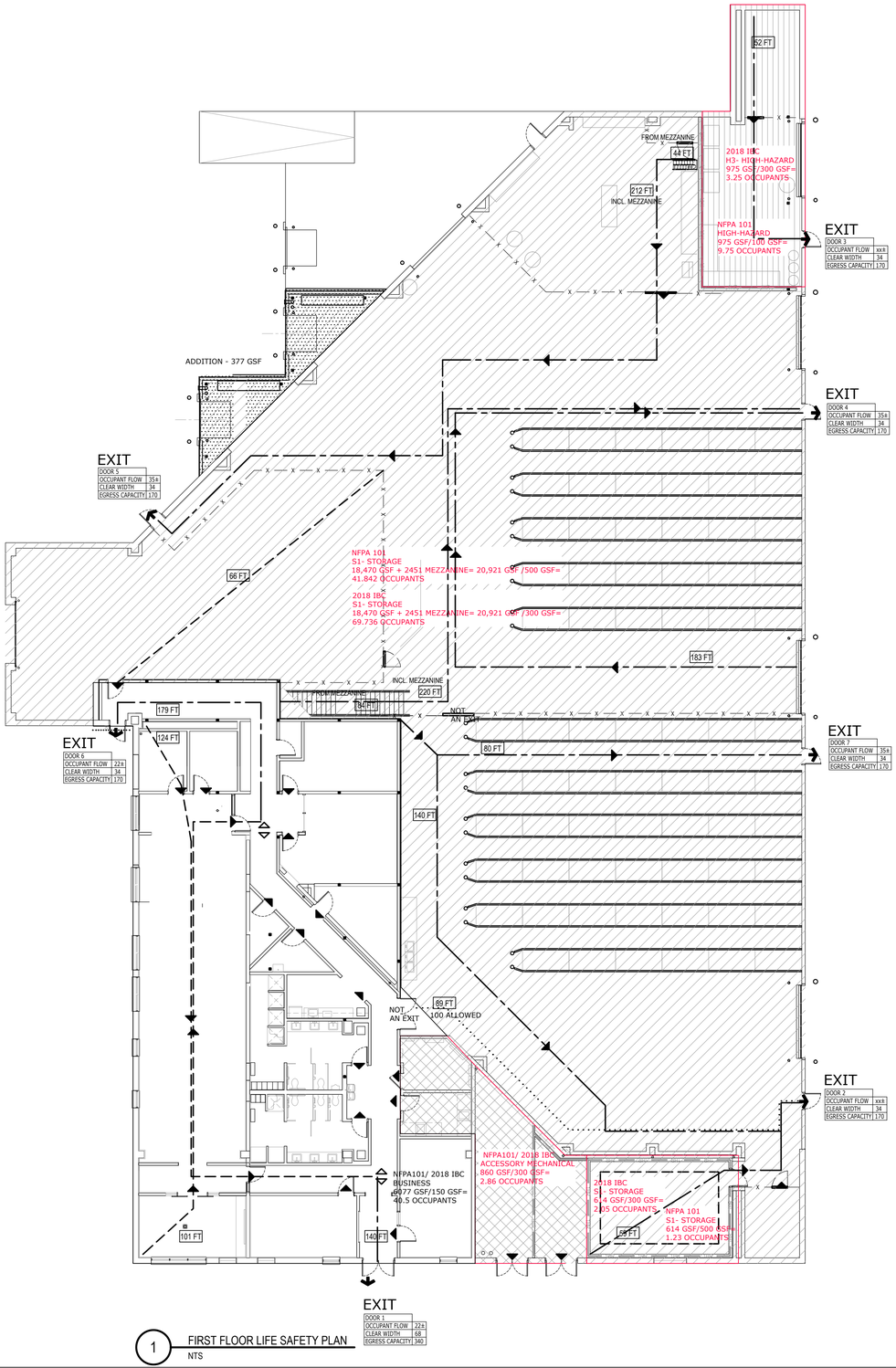

1 FIRST FLOOR LIFE SAFETY PLAN
NTS

OCCUPANCY CLASSIFICATION LEGEND

- ADDITION
- B-BUSINESS
- S1-STORAGE
- ACCESSORY
- HIGH HAZARD STORAGE

LIFE SAFETY LEGEND

- COMBINED OCCUPANT LOAD
- AREA OF SHARED EGRESS
- MEANS OF EGRESS
- EXIT ACCESS CORRIDOR
- EXIT
- EXIT: DOOR # / OCCUPANT FLOW ## / CLEAR WIDTH ## / EGRESS CAPACITY ## — CAPACITY OF MEANS OF EGRESS
- ### FT — TRAVEL DISTANCE (LONGEST)
- COMMON PATH OF TRAVEL
- PATH OF TRAVEL
- DEAD END CORRIDOR
- 1HR — 1HR — 1-HR FIRE-RATED PARTITION (FUNCTION REQUIRED)
- DELAYED EGRESS

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MISSISSIPPI
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ANNE MARIE DECKER
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3044
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STATE OF MISSISSIPPI
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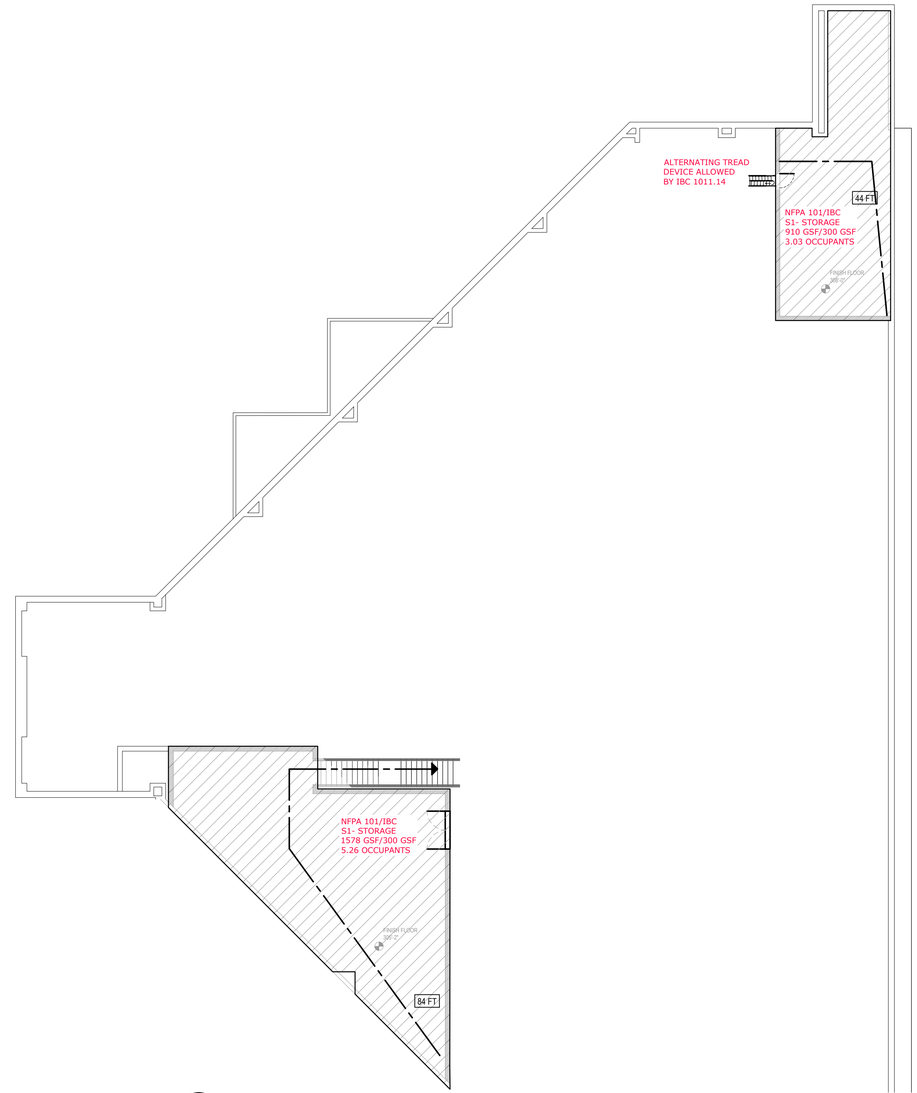
LIFE SAFETY PLANS

SHEET NUMBER

R1.3



1 MEZZANINE FLOOR LIFE SAFETY PLAN

NTS

OCCUPANCY CLASSIFICATION LEGEND

- ADDITION
- B-BUSINESS
- S1-STORAGE
- ACCESSORY
- HIGH HAZARD STORAGE

LIFE SAFETY LEGEND

- COMBINED OCCUPANT LOAD
- AREA OF SHARED EGRESS
- MEANS OF EGRESS
- EXIT ACCESS CORRIDOR
- EXIT
- EXIT: DOOR # / OCCUPANT FLOW ## / CLEAR WIDTH ## / EGRESS CAPACITY ## — CAPACITY OF MEANS OF EGRESS
- ### FT — TRAVEL DISTANCE (LONGEST)
- COMMON PATH OF TRAVEL
- PATH OF TRAVEL
- DEAD END CORRIDOR
- 1HR 1HR — 1-HR FIRE-RATED PARTITION (FUNCTION REQUIRED)
- DELAYED EGRESS

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172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

ROY T. DECKER
REGISTERED ARCHITECT
2879
MISSISSIPPI

SEPTEMBER 27, 2023

ANNE MARIE DECKER
REGISTERED ARCHITECT
3044
JACKSON, MS
STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

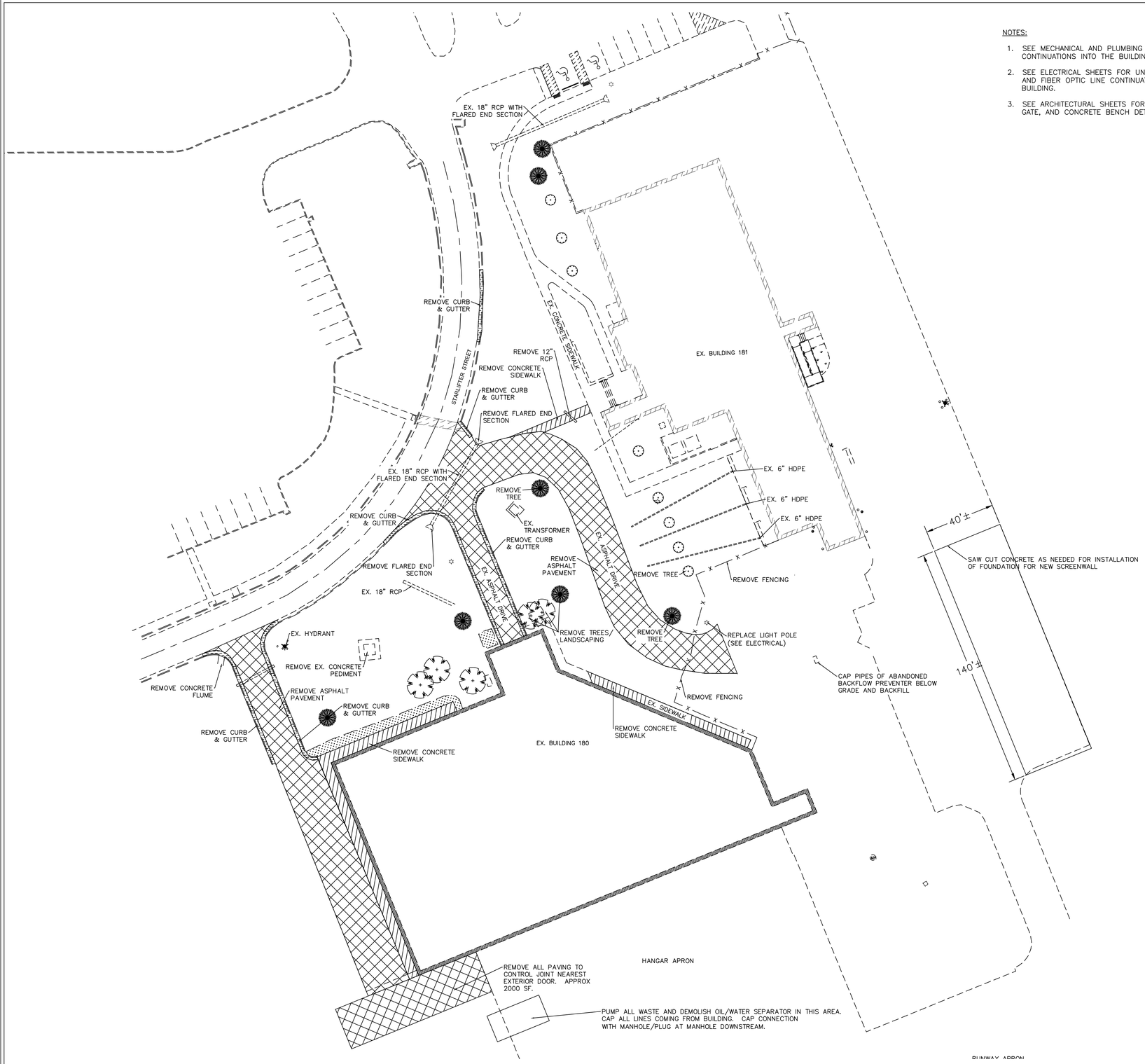
DRAWN BY: MCH	SCALE: 1:8"=1'-0"
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172401

DRAWING TITLE

LIFE SAFETY PLANS

SHEET NUMBER

R1.4



NOTES:

1. SEE MECHANICAL AND PLUMBING SHEETS FOR UTILITY CONTINUATIONS INTO THE BUILDING.
2. SEE ELECTRICAL SHEETS FOR UNDERGROUND ELECTRIC AND FIBER OPTIC LINE CONTINUATION INTO THE BUILDING.
3. SEE ARCHITECTURAL SHEETS FOR SCREEN WALL ENCLOSURE, GATE, AND CONCRETE BENCH DETAILS.

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

LEGEND:

- CONCRETE SIDEWALK REMOVAL
- CONCRETE PAVEMENT REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CURB & GUTTER REMOVAL

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RENOVATE BASE SUPPLY B180

MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL

BRIAN G. GRANGER
REGISTERED PROFESSIONAL ENGINEER
#14449
STATE OF MISSISSIPPI

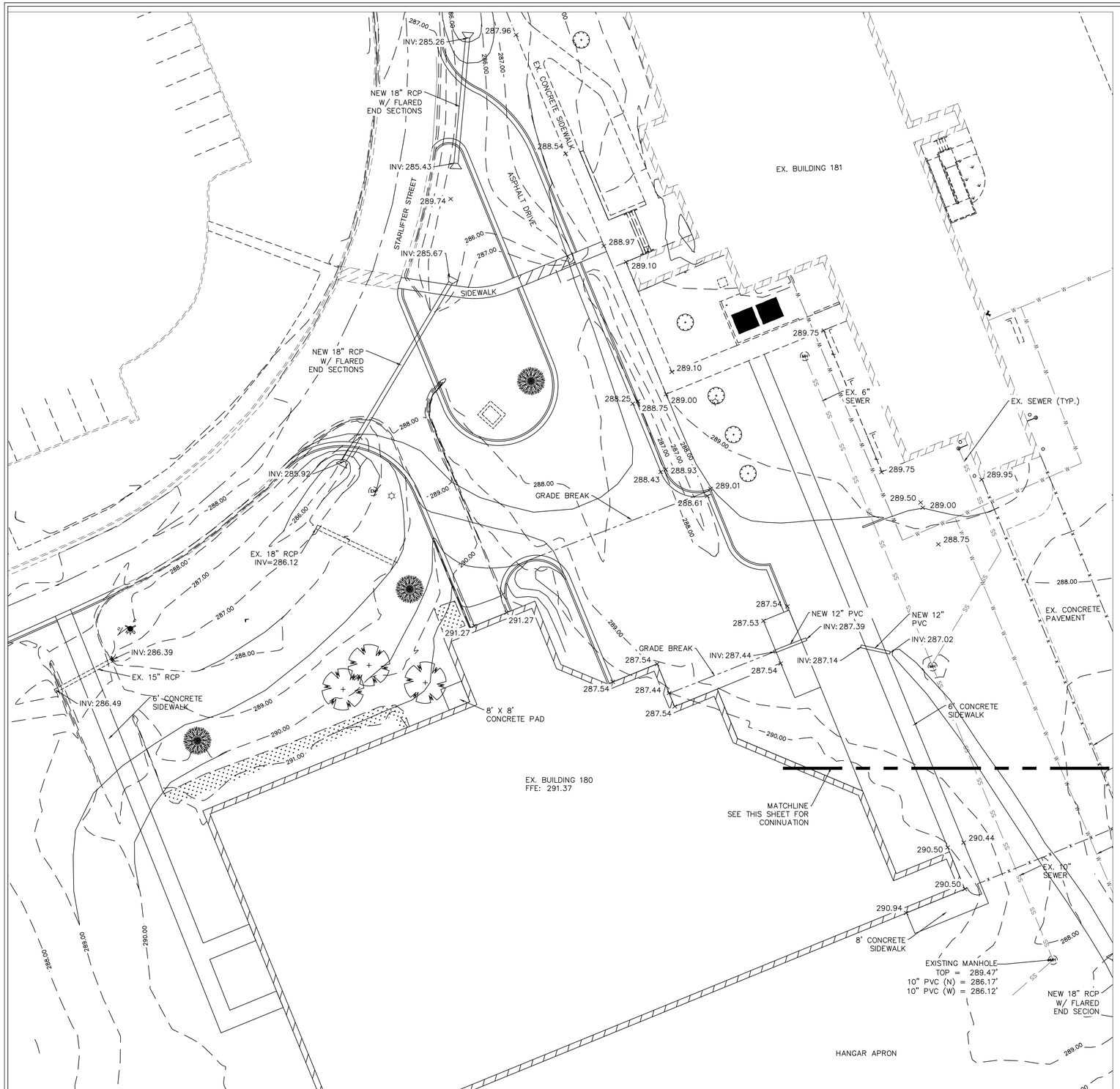
DRAWN BY: TC	SCALE: 1"=20'
DESIGNED BY: TC	DATE: DEC 2023
CHECKED BY: CC	PROJECT: C013 - 063.01

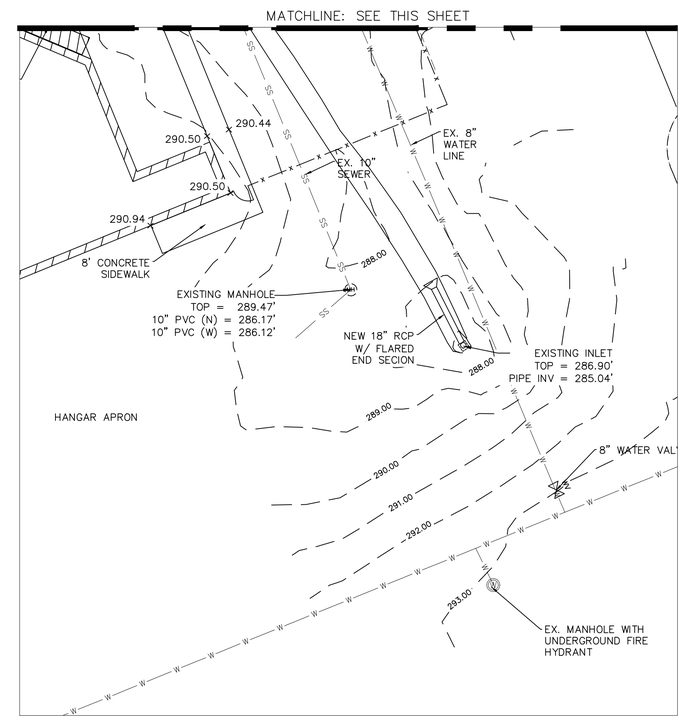
DRAWING TITLE

DEMOLITION PLAN

SHEET NUMBER

C1.0





NOTES:

1. SEE ARCHITECTURAL SHEETS FOR SCREEN WALL ENCLOSURE, GATE, AND CONCRETE BENCH DETAILS.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

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PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL

BRIAN G. GRANGER
REGISTERED PROFESSIONAL ENGINEER
#14449
STATE OF MISSISSIPPI

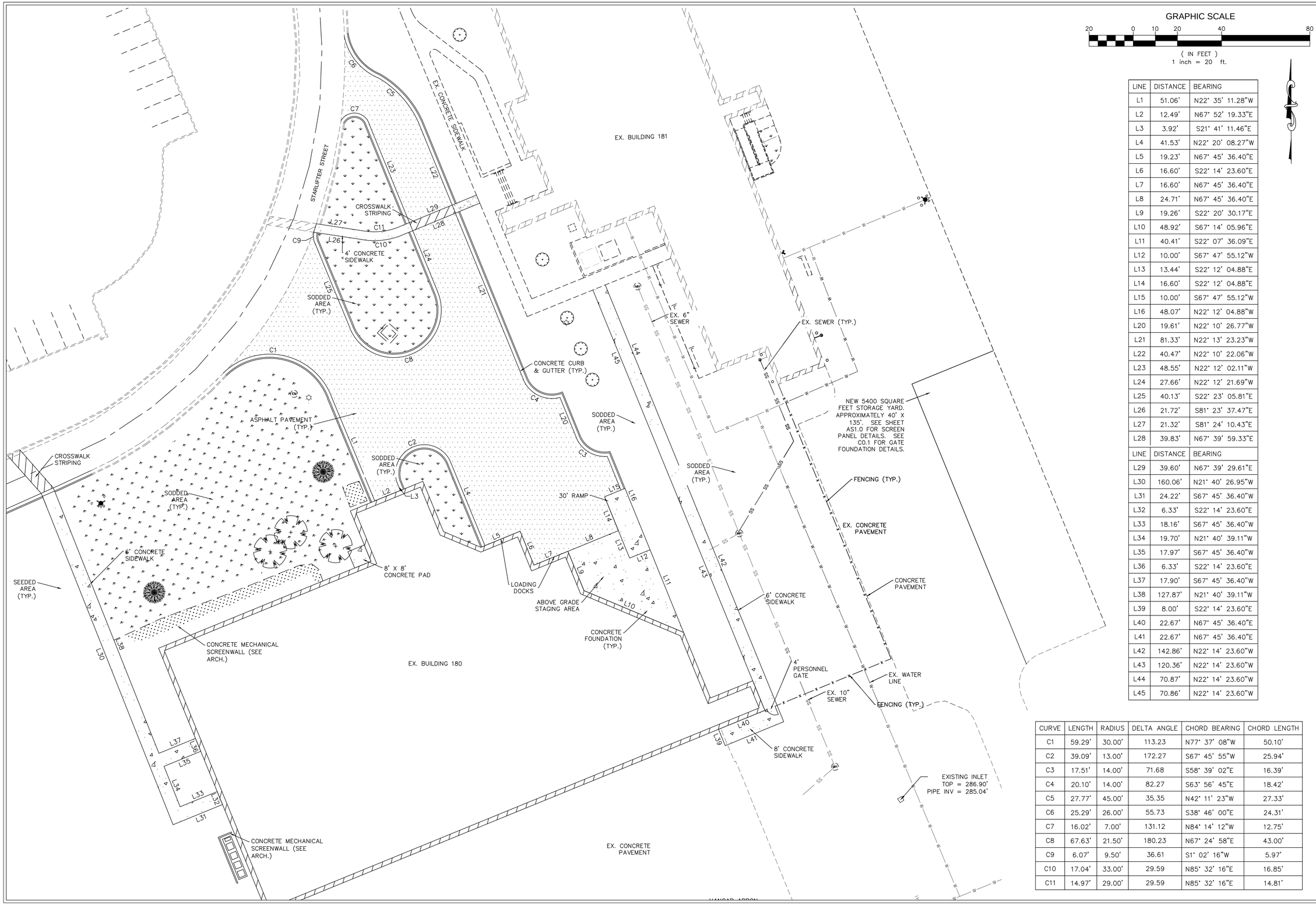
DRAWN BY: TC	SCALE: 1"=20'
DESIGNED BY: TC	DATE: DEC 2023
CHECKED BY: CC	PROJECT: C013 - 063.01

DRAWING TITLE

GRADING & DRAINAGE PLAN

SHEET NUMBER

C2.0



GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

LINE	DISTANCE	BEARING
L1	51.06'	N22° 35' 11.28"W
L2	12.49'	N67° 52' 19.33"E
L3	3.92'	S21° 41' 11.46"E
L4	41.53'	N22° 20' 08.27"W
L5	19.23'	N67° 45' 36.40"E
L6	16.60'	S22° 14' 23.60"E
L7	16.60'	N67° 45' 36.40"E
L8	24.71'	N67° 45' 36.40"E
L9	19.26'	S22° 20' 30.17"E
L10	48.92'	S67° 14' 05.96"E
L11	40.41'	S22° 07' 36.09"E
L12	10.00'	S67° 47' 55.12"W
L13	13.44'	S22° 12' 04.88"E
L14	16.60'	S22° 12' 04.88"E
L15	10.00'	S67° 47' 55.12"W
L16	48.07'	N22° 12' 04.88"W
L20	19.61'	N22° 10' 26.77"W
L21	81.33'	N22° 13' 23.23"W
L22	40.47'	N22° 10' 22.06"W
L23	48.55'	N22° 12' 02.11"W
L24	27.66'	N22° 12' 21.69"W
L25	40.13'	S22° 23' 05.81"E
L26	21.72'	S81° 23' 37.47"E
L27	21.32'	S81° 24' 10.43"E
L28	39.83'	N67° 39' 59.33"E
LINE	DISTANCE	BEARING
L29	39.60'	N67° 39' 29.61"E
L30	160.06'	N21° 40' 26.95"W
L31	24.22'	S67° 45' 36.40"W
L32	6.33'	S22° 14' 23.60"E
L33	18.16'	S67° 45' 36.40"W
L34	19.70'	N21° 40' 39.11"W
L35	17.97'	S67° 45' 36.40"W
L36	6.33'	S22° 14' 23.60"E
L37	17.90'	S67° 45' 36.40"W
L38	127.87'	N21° 40' 39.11"W
L39	8.00'	S22° 14' 23.60"E
L40	22.67'	N67° 45' 36.40"E
L41	22.67'	N67° 45' 36.40"E
L42	142.86'	N22° 14' 23.60"W
L43	120.36'	N22° 14' 23.60"W
L44	70.87'	N22° 14' 23.60"W
L45	70.86'	N22° 14' 23.60"W

CURVE	LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	59.29'	30.00'	113.23	N77° 37' 08"W	50.10'
C2	39.09'	13.00'	172.27	S67° 45' 55"W	25.94'
C3	17.51'	14.00'	71.68	S58° 39' 02"E	16.39'
C4	20.10'	14.00'	82.27	S63° 56' 45"E	18.42'
C5	27.77'	45.00'	35.35	N42° 11' 23"W	27.33'
C6	25.29'	26.00'	55.73	S38° 46' 00"E	24.31'
C7	16.02'	7.00'	131.12	N84° 14' 12"W	12.75'
C8	67.63'	21.50'	180.23	N67° 24' 58"E	43.00'
C9	6.07'	9.50'	36.61	S1° 02' 16"W	5.97'
C10	17.04'	33.00'	29.59	N85° 32' 16"E	16.85'
C11	14.97'	29.00'	29.59	N85° 32' 16"E	14.81'

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MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL

BRIAN G. GRANGER
REGISTERED PROFESSIONAL ENGINEER
#14449
STATE OF MISSISSIPPI

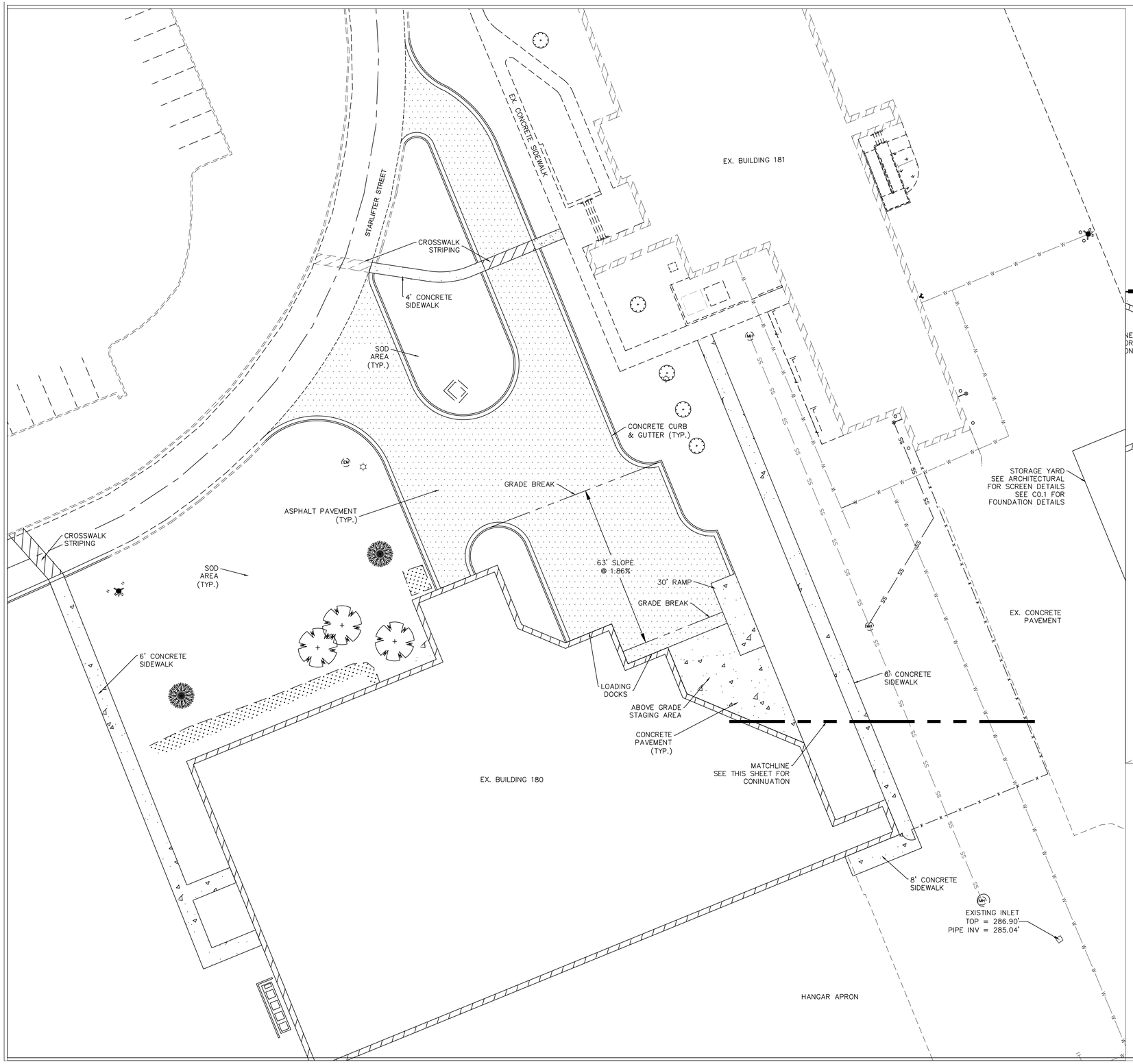
DRAWN BY: TC	SCALE: 1"=20'
DESIGNED BY: TC	DATE: DEC 2023
CHECKED BY: CC	PROJECT: C013 - 063.01

DRAWING TITLE

LAYOUT PLAN

SHEET NUMBER

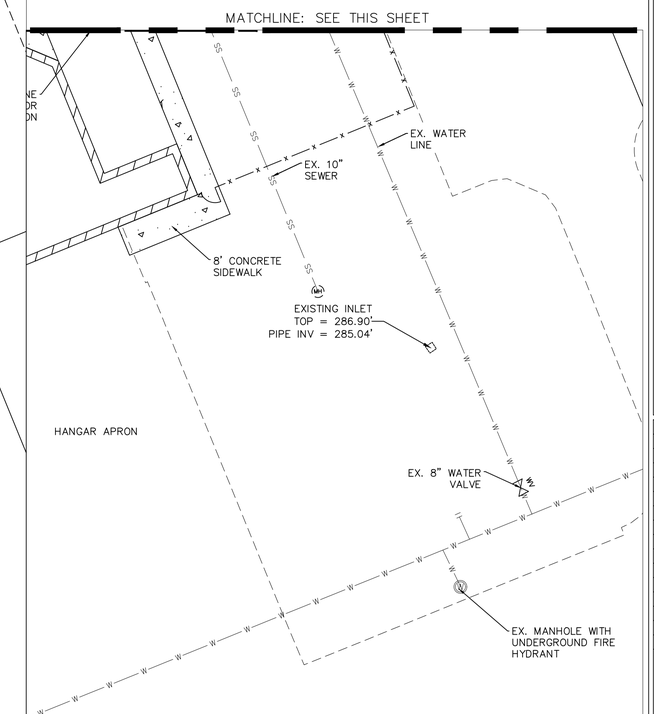
C3.0



GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.



LEGEND:

- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- CONCRETE SIDEWALK

NOTES:

1. SEE MECHANICAL AND PLUMBING SHEETS FOR UTILITY CONTINUATIONS INTO THE BUILDING.
2. SEE ELECTRICAL SHEETS FOR UNDERGROUND ELECTRIC AND FIBER OPTIC LINE CONTINUATION INTO THE BUILDING.

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PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL

BRIAN G. GRANGER
REGISTERED PROFESSIONAL ENGINEER
#14449
STATE OF MISSISSIPPI

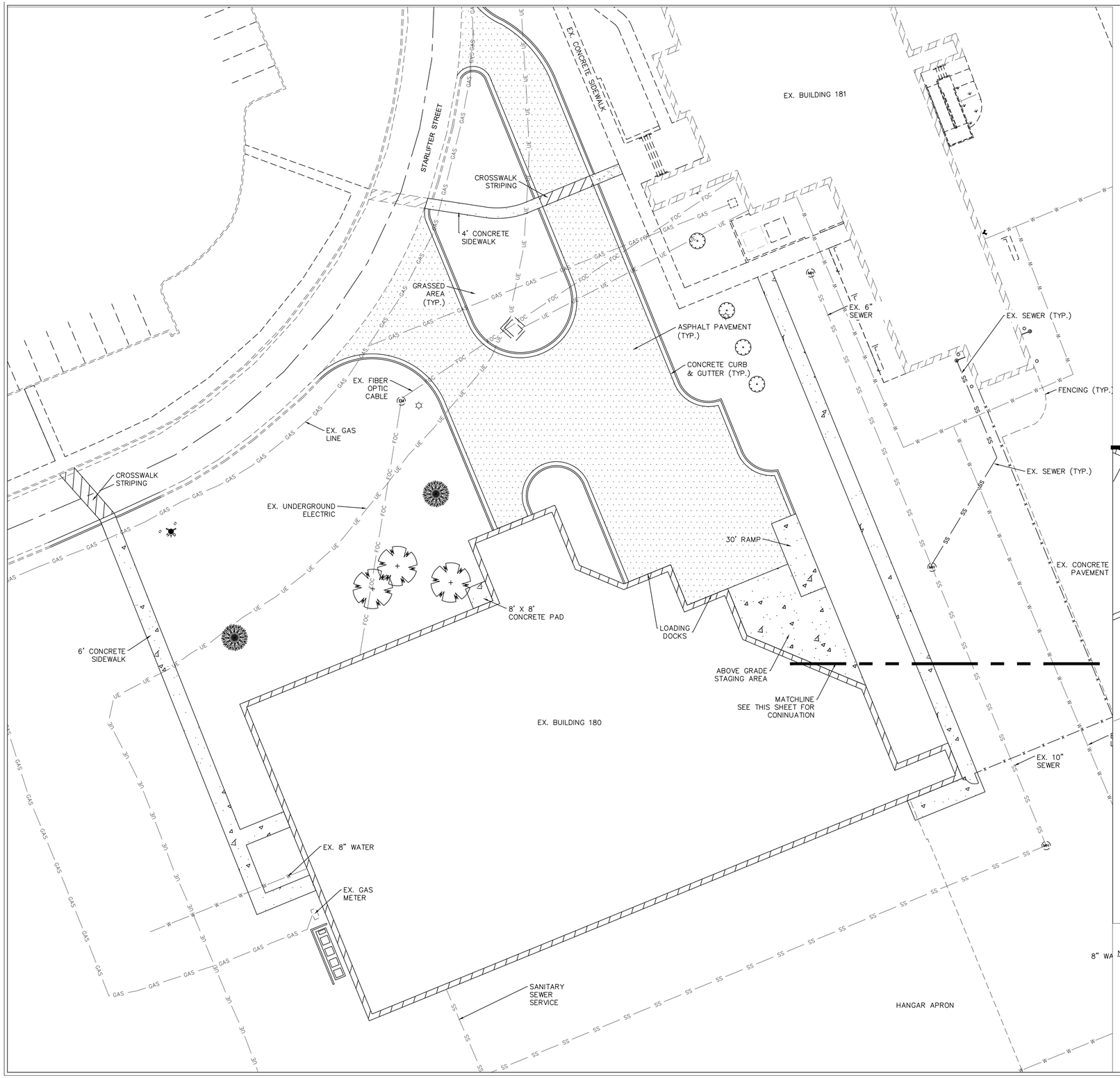
DRAWN BY: TC	SCALE: 1"=20'
DESIGNED BY: TC	DATE: DEC 2023
CHECKED BY: CC	PROJECT: C013 - 063.01

DRAWING TITLE

SITE PLAN

SHEET NUMBER

C4.0



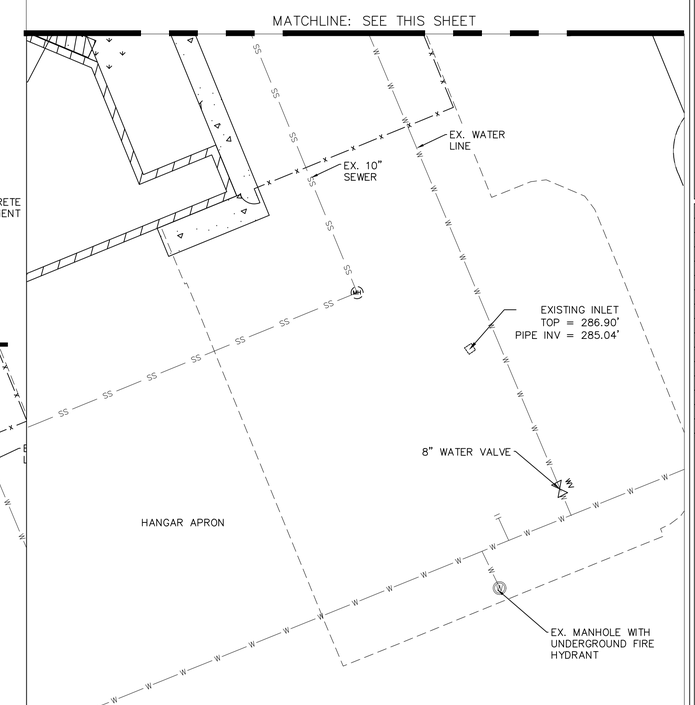
GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

LEGEND:

- WATER LINE
- GAS LINE
- UNDERGROUND ELECTRICAL
- FIBER OPTIC CABLE
- SANITARY SEWER



NOTES:

1. SEE MECHANICAL AND PLUMBING SHEETS FOR UTILITY CONTINUATIONS INTO THE BUILDING.
2. SEE ELECTRICAL SHEETS FOR UNDERGROUND ELECTRIC AND FIBER OPTIC LINE CONTINUATION INTO THE BUILDING.
3. CAMERA EXTERIOR AND INTERIOR SEWER LINES FOR DAMAGE.

LEGEND:

- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- CONCRETE SIDEWALK

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DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL

BRIAN G. GRANGER
REGISTERED PROFESSIONAL ENGINEER
#14449
STATE OF MISSISSIPPI

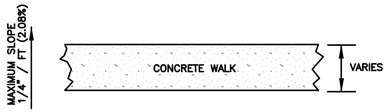
DRAWN BY: TC	SCALE: 1"=20'
DESIGNED BY: TC	DATE: DEC 2023
CHECKED BY: CC	PROJECT: C013 - 063.01

DRAWING TITLE

UTILITY PLAN

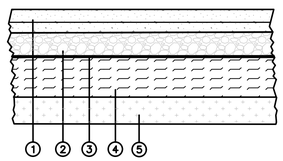
SHEET NUMBER

C5.0



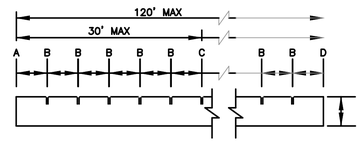
PLAN VIEW

REINFORCE WITH W1.4X1.4 SMOOTH BAR SHEETS (NOT ROLLS). PLACE TOOLED CONTROL JOINTS @ 10' O.C. AND SEALED EXPANSION JOINTS @ 30' O.C. REINFORCING SHALL BE PLACED @ MID-DEPTH OF SLAB.



1. 4" CONCRETE, 3500 PSI
2. 6" CRUSHED STONE BASE
3. GEOTEXTILE FABRIC
4. BORROW SOIL MATERIAL COMPACTED TO 95% ASTM D1557
5. UNDISTURBED MATERIAL

CONCRETE SIDEWALK
ELEVATION VIEW



JOINT LEGEND:

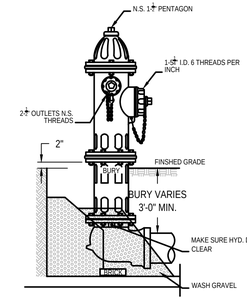
A – 1/2" EXPANSION JOINTS (PREFORMED JOINT FILLER)

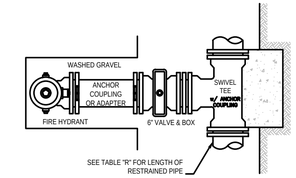
B – 3/16" TOOLED JOINTS, 1 1/2" DEEP (WITHIN 96 HOURS), 5' C/C – MAX

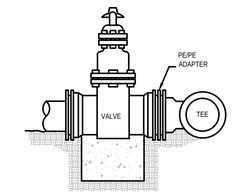
C – 3/16" TOOLED JOINTS, 1 1/2" DEEP (WITHIN 12 HOURS), 30' C/C – MAX

D – 1/2" EXPANSION JOINT WHEN RUN OF SIDEWALK EXCEEDS 120'

SIDEWALK DETAILS (C1)
NOT TO SCALE







NOTE:
GATE VALVES WILL BE REQUIRED ON ALL FIRE HYDRANT LEGS. ANY HYDRANT EXTENSIONS REQUIRED SHALL BE AN ABSORBED ITEM.

FIRE HYDRANT SHOULD BE MANUFACTORED BY MUELLER SUPER CENTURION FIRE HYDRANTS

ALL GATE VALVES WILL BE MANUFACTORED BY MUELLER

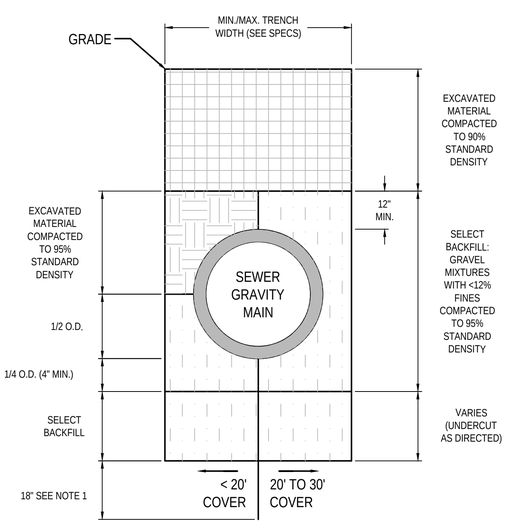
FIRE HYDRANT INSTALLATION DETAIL (C2)
NOT TO SCALE

NOTE:

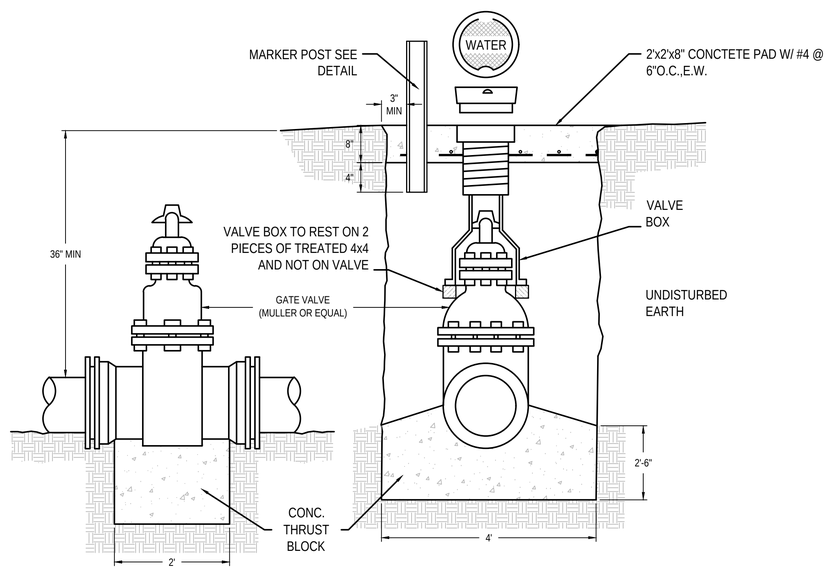
1) DEWATERING REQUIRED TO THIS LEVEL (MIN.). THE CONTRACTOR SHALL MAINTAIN WATER LEVEL TO A LEVEL OF 18" OR GREATER BELOW THE UNDERCUT DEPTH OR THE TRENCH SUBGRADE, WHICH EVER IS DEEPER, BEFORE PIPE PLACEMENT WILL BE ALLOWED.

2) SEE SPECIFICATIONS FOR COMPACTION REQUIREMENTS AND MIN/MAX TRENCH WIDTH

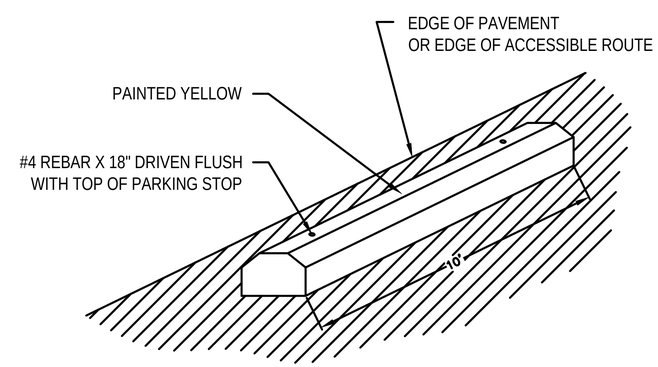
3) BEDDING REQUIREMENTS SMALL BE BASED UPON EXISTING OR PROPOSED COVER DEPTHS (WHICHER IS GREATER)



GRAVITY SEWER TRENCH DETAIL (C3)
SCALE: N.T.S.



GATE VALVE & BOX DETAIL (C4)
NOT TO SCALE



CURB STOP DETAIL (C5)
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172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

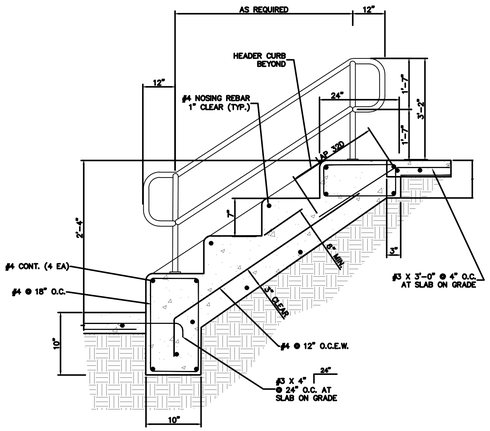
SEAL

BRIAN G. GRANGER
REGISTERED PROFESSIONAL ENGINEER
#14449
STATE OF MISSISSIPPI

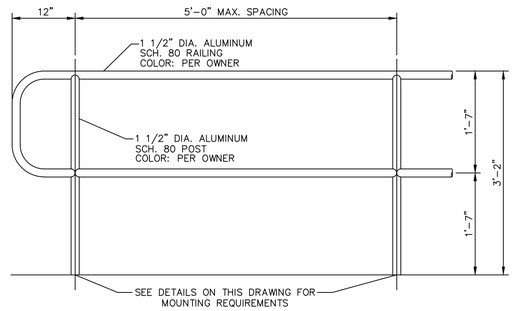
DRAWN BY: TC	SCALE: NTS
DESIGNED BY: TC	DATE: AUG 2023
CHECKED BY: BG	PROJECT: C013 - 063.020

DRAWING TITLE
TYPICAL DETAILS

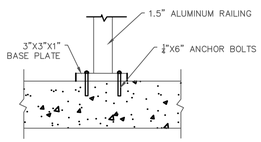
SHEET NUMBER
C6.0



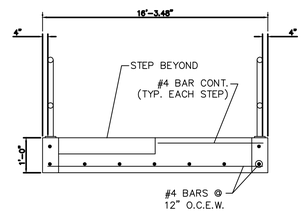
SIDE ELEVATION



HANDRAIL

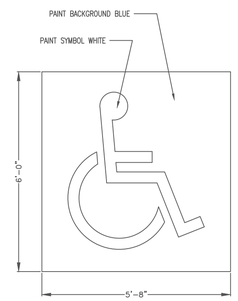


HANDRAIL MOUNTING

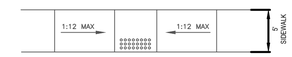


END ELEVATION

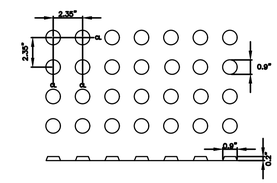
CONCRETE STAIR & HANDRAIL DETAIL C6
NOT TO SCALE



ACCESSIBLE PARKING SYMBOL DETAIL

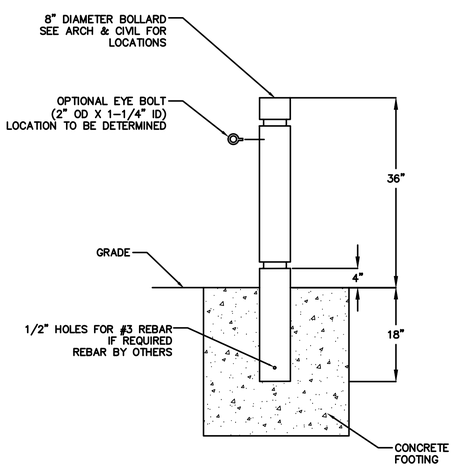


HANDICAP RAMP DETAILS



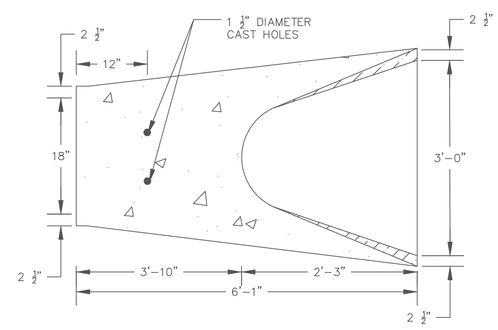
DETECTABLE WARNING DETAIL

ACCESSIBLE PARKING DETAILS C7
NOT TO SCALE

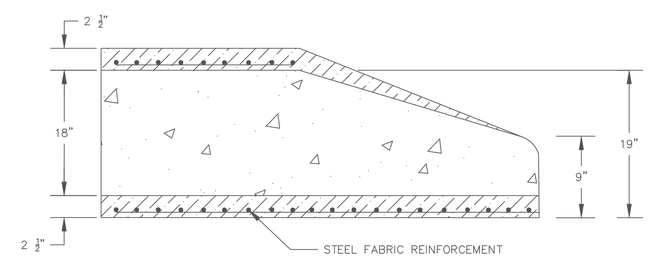


EMBED MOUNTING

TYPICAL EXTERIOR PROTECTIVE BOLLARD DETAIL C8
SCALE: N.T.S.



PLAN VIEW



SECTION VIEW

FLARED END SECTION DETAIL C9
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PROJECT# LRXQ 172402

DRAWING REVISIONS		
NO.	REMARKS	DATE

SEAL

BRIAN G. GRAVGER REGISTERED PROFESSIONAL ENGINEER #14449 STATE OF MISSISSIPPI

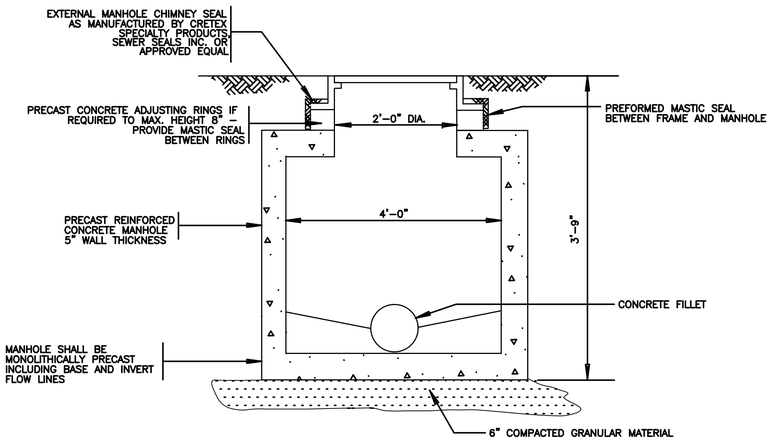
DRAWN BY: TC	SCALE: NTS
DESIGNED BY: TC	DATE: JAN 2023
CHECKED BY: BG	PROJECT: C013 - 063.020

DRAWING TITLE

TYPICAL DETAILS

SHEET NUMBER

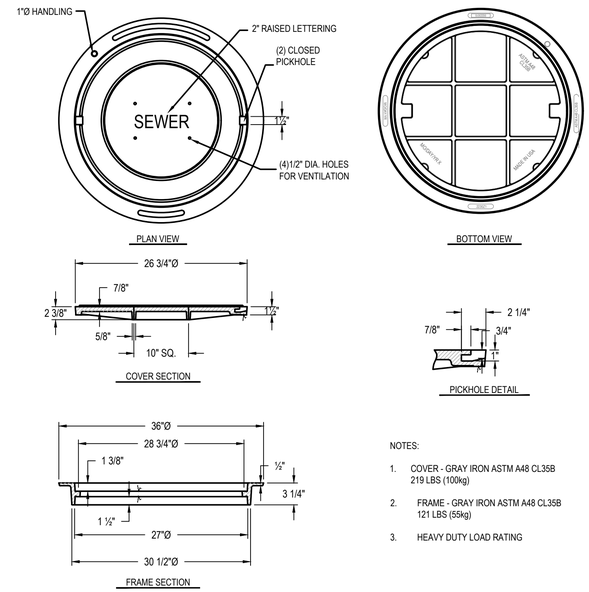
C6.1



SECTION - PRECAST CONC. MANHOLE

SCALE: N.T.S.

C11



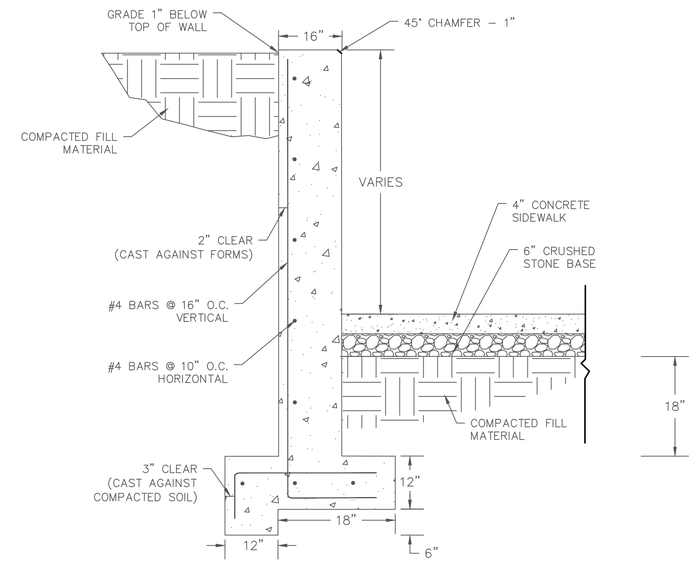
NOTES:

1. COVER - GRAY IRON ASTM A48 CL35B 219 LBS (100kg)
2. FRAME - GRAY IRON ASTM A48 CL35B 121 LBS (55kg)
3. HEAVY DUTY LOAD RATING

MANHOLE ASSEMBLY DETAIL

SCALE: N.T.S.

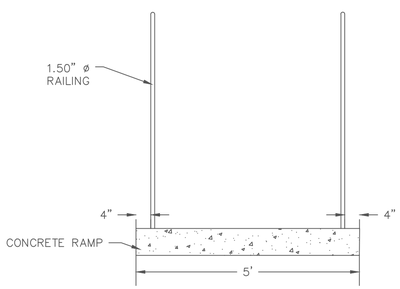
C12



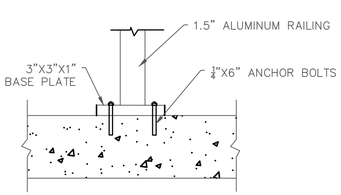
CONCRETE RETAINING WALL DETAIL

NOT TO SCALE

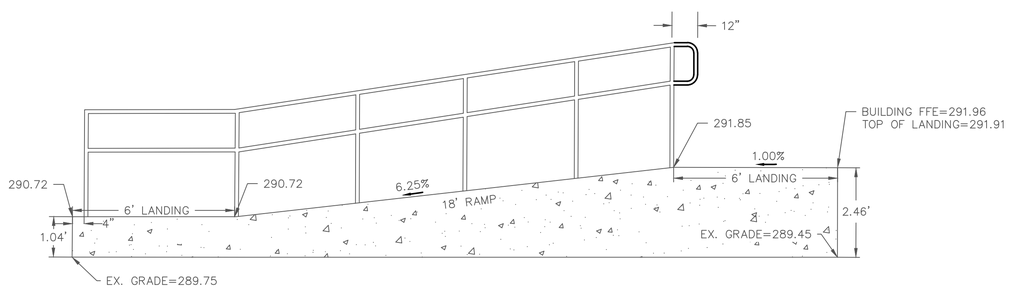
C13

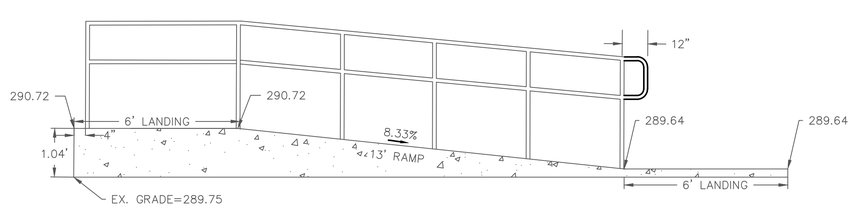


SECTION VIEW



HANDRAIL MOUNTING



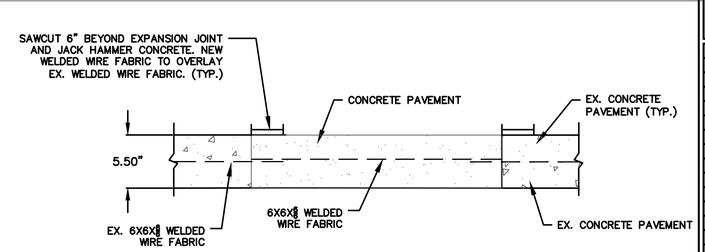


ELEVATION VIEW

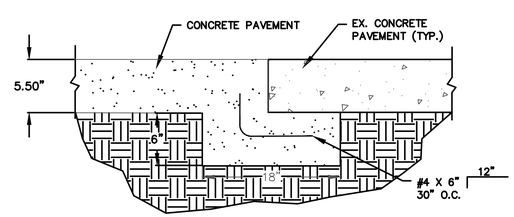
HANDICAP RAMP DETAIL

SCALE: N.T.S.

C14



EXPANSION JOINT



SAW CUT JOINT

CONCRETE PAVEMENT REPAIR DETAIL

NOT TO SCALE

C6

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PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL

BRIAN G. GRANGER
REGISTERED PROFESSIONAL ENGINEER
#14449
STATE OF MISSISSIPPI

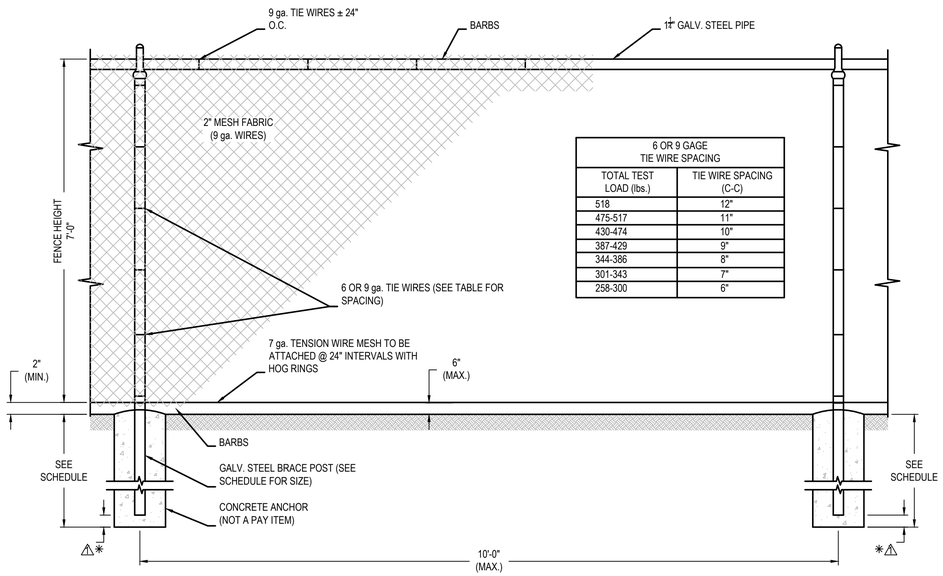
DRAWN BY: TC	SCALE: NTS
DESIGNED BY: TC	DATE:AUG 2023
CHECKED BY: BG	PROJECT: C013 - 063.020

DRAWING TITLE

TYPICAL DETAILS

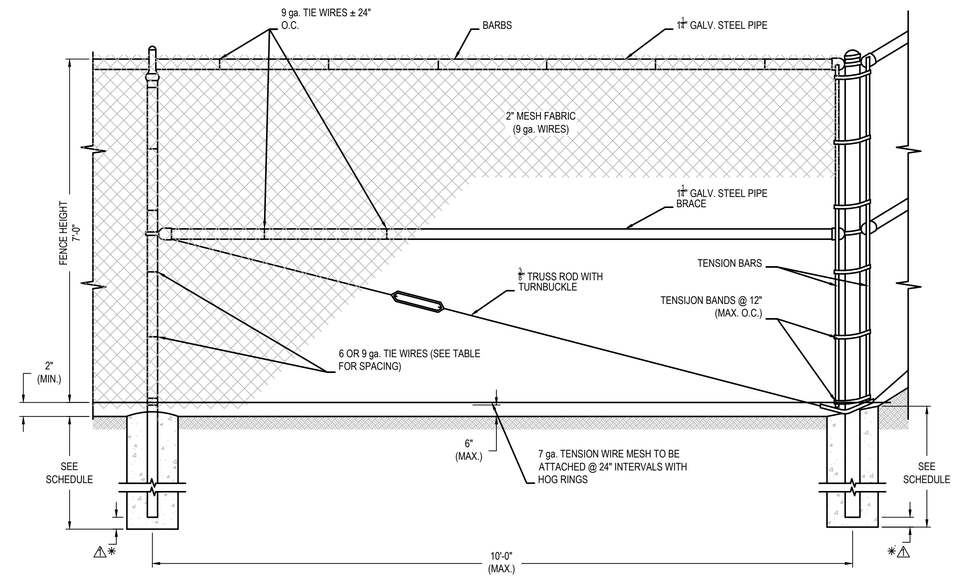
SHEET NUMBER

C6.2

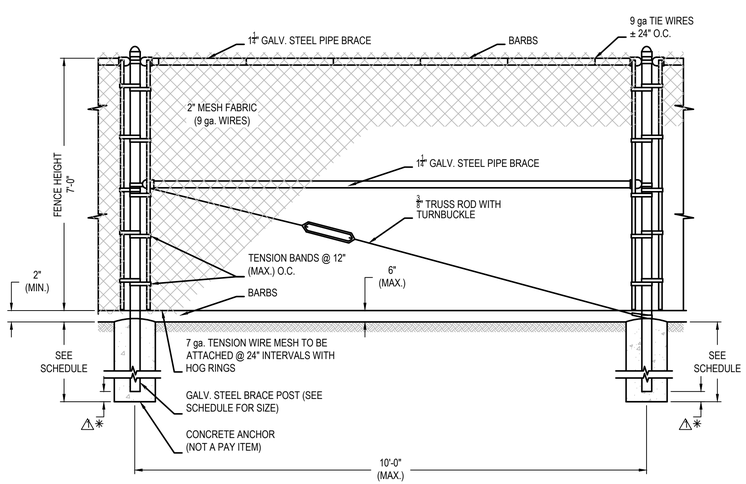


6 OR 9 GAGE TIE WIRE SPACING	
TOTAL TEST LOAD (lbs.)	TIE WIRE SPACING (C-C)
518	12"
475-517	11"
430-474	10"
387-429	9"
344-386	8"
301-343	7"
258-300	6"

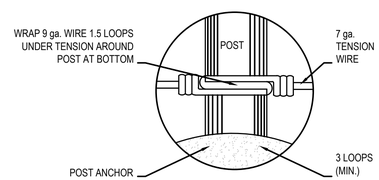
LINE BAY
SCALE: N.T.S.



CORNER BAY
SCALE: N.T.S.



INTERMEDIATE BRACE BAY
SCALE: N.T.S.



TENSION WIRE TIE DETAILS
SCALE: N.T.S.

GENERAL NOTES:

1. PIPE SIZES SHOWN FOR POST, BRACES AND RAILS ARE NOMINAL INSIDE DIAMETERS, ALL POSTS, BRACES AND RAILS SHALL CONFORM TO THE MISSISSIPPI DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
2. 3/8" TRUSS RODS ARE NOT REQUIRED WHEN CONNECTING LESS THAN FOUR (4) PANEL LENGTHS TO STRUCTURES
3. THE FENCE SHALL BE GROUNDED IN ACCORDANCE WITH THE MISSISSIPPI DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, COST TO BE ABSORBED IN OTHER PAY ITEMS.
4. CLASS 1 CHAIN LINK FENCE ONLY TO BE USED TO FENCE AREAS OFF THE RIGHT-OF-WAY (E.G. SEWAGE TREATMENT SYSTEMS, MAINTENANCE AREAS)
5. APPLY SUPPLEMENTAL COLOR COATING OF MINIMUM 10 MILS (0.254mm) OF THERMALLY FUSED POLYOLEFIN IN BLACK COLOR TO ALL METAL SURFACES

△✱ = HOLE DEPTH - POST DEPTH

POST SCHEDULES							
FENCE HEIGHT	POST TYPES	MINIMUM POST SIZE			MINIMUM ANCHOR SIZE		
		ROUND		"C" BEAM	HOLE DIA.	HOLE DEPTH	POST DEPTH
		NPS (I.D.)	SIZE	SIZE			
LESS THAN 6'	LINE	1 1/2"	2.250" x 1.625"	1.875" x 1.625"	7"	28"	22"
LESS THAN 6'	END, CORNER & BRACE	2"	-----	3.500" x 3.500"	10"	32"	28"
6' THRU 12"	LINE	2"	2.250" x 1.625"	2.250" x 1.700"	8"	38"	34"
6' THRU 12"	END, CORNER & BRACE	2 1/2"	-----	3.500" x 3.500"	12"	44"	40"

CHAIN LINK FENCE DETAIL
NOT TO SCALE
C10

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DRAWING REVISIONS		
NO.	REMARKS	DATE

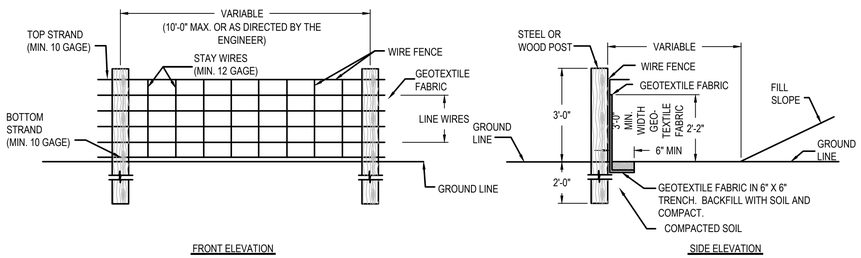
SEAL

BRIAN G. GRANGER
REGISTERED PROFESSIONAL ENGINEER
#14449
STATE OF MISSISSIPPI

DRAWN BY: TC	SCALE: NTS
DESIGNED BY: TC	DATE:AUG 2023
CHECKED BY: BG	PROJECT: C013 - 063-020

DRAWING TITLE
TYPICAL DETAILS

SHEET NUMBER
C6.3

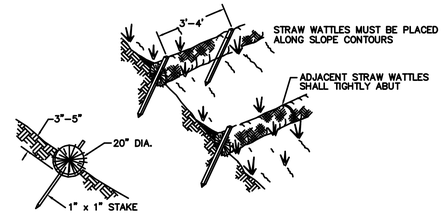


NOTES:

1. WIRE SHALL BE MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.
2. GEOTEXTILE FABRIC SHALL BE A MINIMUM OF 36" IN WIDTH AND SHALL BE FASTENED ADEQUATELY TO THE WIRE AS DIRECTED BY THE ENGINEER.
3. STEEL POST SHALL BE 5'-0" IN HEIGHT AND OF THE SELF-FASTENER ANGLE STEEL TYPE. WOOD POST SHALL BE A MINIMUM OF 5'-0" IN HEIGHT AND 3" OR MORE IN DIAMETER. WIRE FENCE SHALL BE FASTENED TO WOODEN POST WITH NOT LESS THAN 9 GAGE WIRE STAPLES 1" LONG.
4. GEOTEXTILE FABRIC MEETING THE TYPE II MATERIAL REQUIREMENTS AND INSTALLED ACCORDING TO SPECIFICATIONS MAY BE USED WITHOUT WIRE FENCE.

SILT FENCE DETAILS

SCALE: N.T.S.

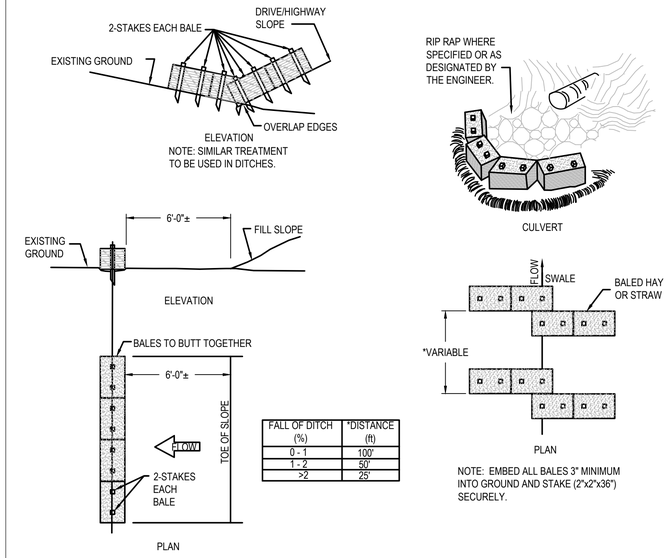


NOTE:

1. STRAW WATTLE INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE WATTLE IN A TRENCH 3"-5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND THE WATTLE.

STRAW WATTLE DETAIL

SCALE: N.T.S.

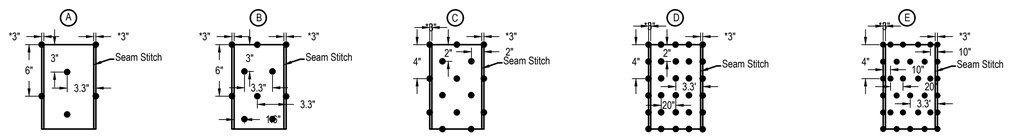


FALL OF DITCH (%)	*DISTANCE (ft)
0 - 1	100'
1 - 2	50'
>2	25'

NOTE: EMBED ALL BALES 3" MINIMUM INTO GROUND AND STAKE (2"x2"x36") SECURELY.

EROSION/SEDIMENTATION CONTROL DETAILS

SCALE: N.T.S.



0.7 STAPLES PER SQ. YD. Blankets with the North American Green DOT System place staples/stakes through each of the BLUE colored dots.

1.2 STAPLES PER SQ. YD. Blankets with the North American Green DOT System place staples/stakes through each of the RED colored dots.

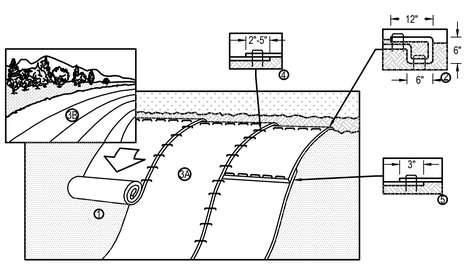
1.7 STAPLES PER SQ. YD. Blankets with the North American Green DOT System place staples/stakes through each of the GREEN colored dots.

3.4 STAPLES PER SQ. YD. Blankets with the North American Green DOT System place staples/stakes through each of the WHITE colored dots.

3.8 STAPLES PER SQ. YD. Blankets with the North American Green DOT System place staples/stakes through each of the YELLOW colored dots.

DRAINAGE BLANKET STAPLE PATTERN TYPES

SCALE: N.T.S.



NOTE: SEE EROSION CONTROL PLAN

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.

2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.

3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM , STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.

4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5cm-12.5cm) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.

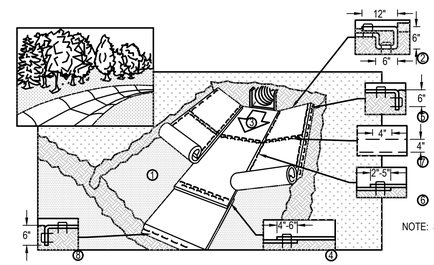
5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30cm) APART ACROSS ENTIRE BLANKET WIDTH.

NOTE:

*IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15cm) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

DRAINAGE BLANKET "SLOPE" INSTALLATION

SCALE: N.T.S.



NOTE: SEE EROSION CONTROL PLAN

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.

2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP x 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.

3. ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.

4. PLACE CONSECUTIVE BLANKETS END OVER END (SHINGLE STYLE) WITH A 4"-6" (10cm-15cm) OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" (10cm) APART AND 4" (10cm) ON CENTER TO SECURE BLANKETS.

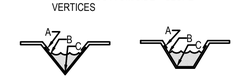
5. FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

6. ADJACENT BLANKETS MUST BE OVERLAPPED APPROXIMATELY 2"-5" (5cm-12.5cm) (DEPENDING ON BLANKET TYPE) AND STAPLED. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE BLANKET BEING OVERLAPPED.

7. IN CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT (9m-12m) INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" (10cm) APART AND 4" (10cm) ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.

8. THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

CRITICAL POINTS:
A. OVERLAPS AND SEAMS B. PROJECTED WATER LINE C. CHANNEL BOTTOM/SIDE SLOPE VERTICES



NOTE:
* HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE.

** IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 cm) MAY BE NECESSARY TO PROPERLY ANCHOR THE BLANKETS.

DRAINAGE BLANKET "CHANNEL" INSTALLATION

SCALE: N.T.S.

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RENOVATE BASE SUPPLY B180

MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL

BRIAN G. GRANGER
REGISTERED PROFESSIONAL ENGINEER
#14449
STATE OF MISSISSIPPI

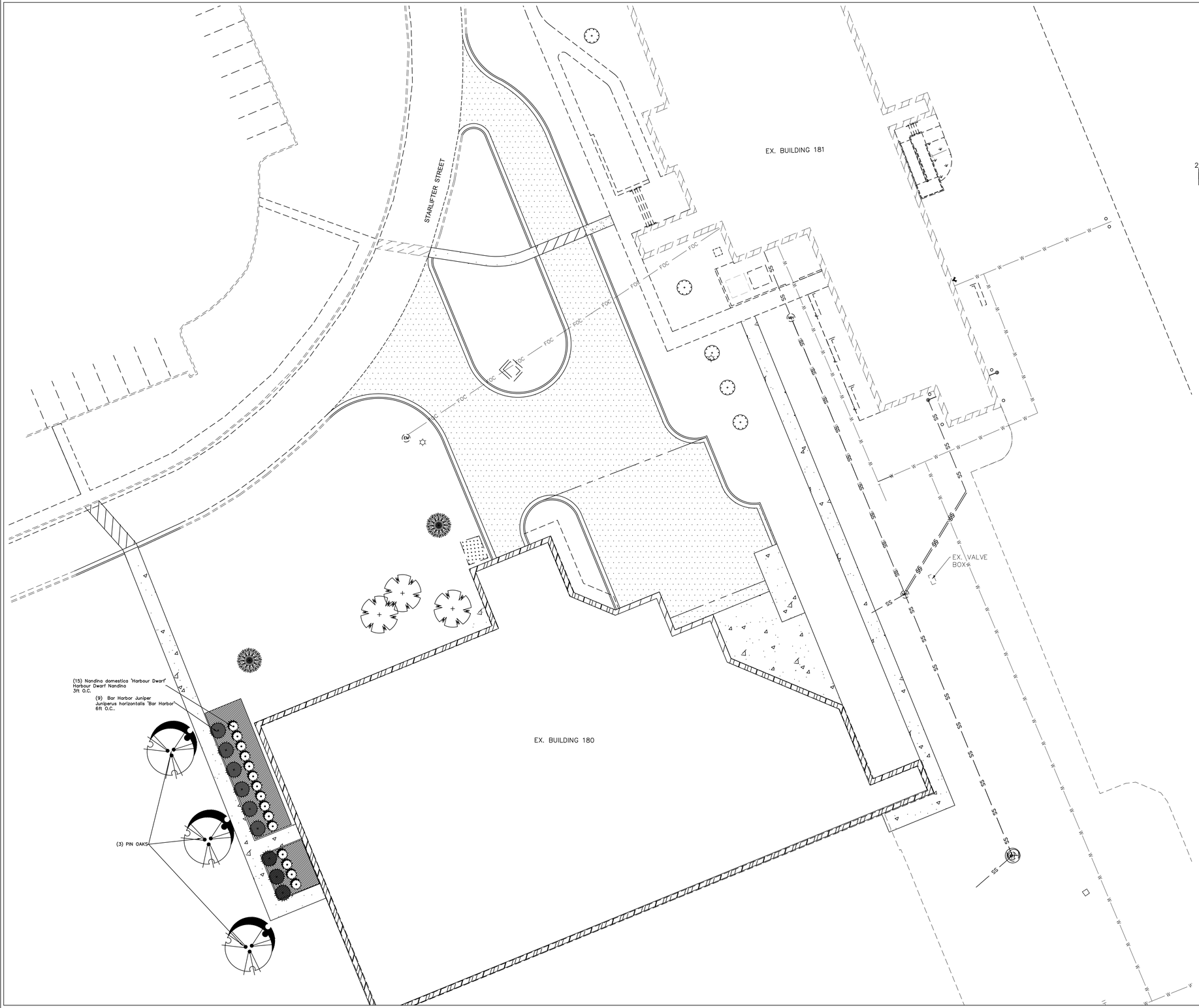
DRAWN BY: TC	SCALE: NTS
DESIGNED BY: TC	DATE: AUG 2023
CHECKED BY: BG	PROJECT: C013 - 063.020

DRAWING TITLE

EROSION CONTROL DETAILS

SHEET NUMBER

C6.4



GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

LEGEND:

- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- CONCRETE SIDEWALK

NOTES:

1. SEE MECHANICAL AND PLUMBING SHEETS FOR UTILITY CONTINUATIONS INTO THE BUILDING.
2. SEE ELECTRICAL SHEETS FOR UNDERGROUND ELECTRIC AND FIBER OPTIC LINE CONTINUATION INTO THE BUILDING.

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PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL

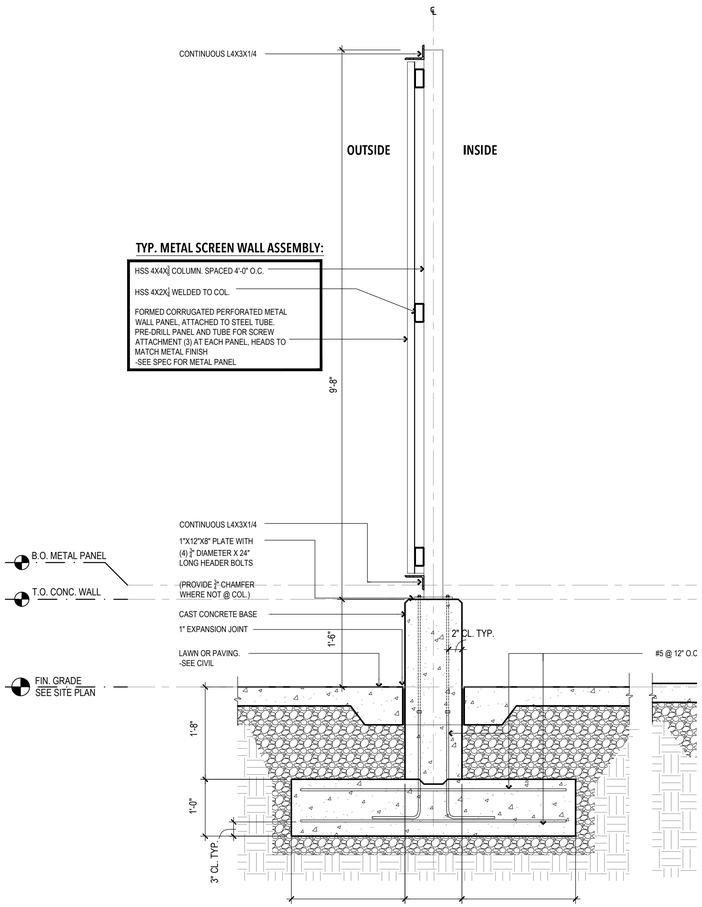
DRAWN BY: TC	SCALE: 1"=20'
DESIGNED BY: TC	DATE: DEC 2023
CHECKED BY: CC	PROJECT: C313 - 063.01

DRAWING TITLE

LANDSCAPE PLAN

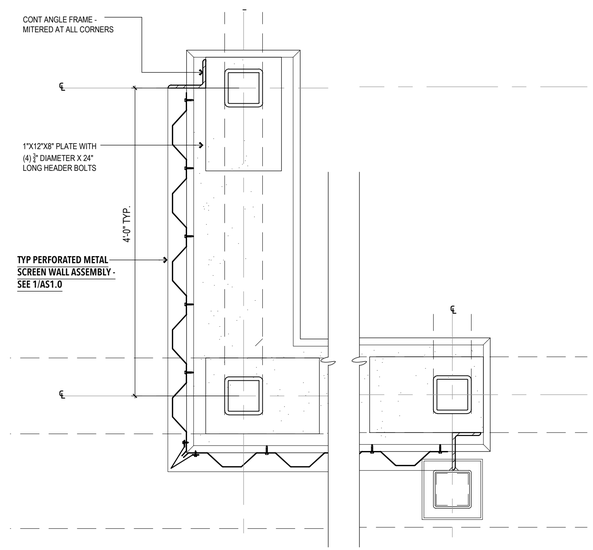
SHEET NUMBER

LS1.0



1 SECTION @ METAL PANEL STORAGE ENCLOSURE WALL
3/4"=1'-0"

NOTES:
1. FOR PERFORATED METAL SCREEN WALL CONFIGURATION AND EXTENT, SEE CIVIL.
2. FOR GATES IN METAL SCREEN WALL ENCLOSURE, SEE CIVIL.
3. FOR METAL SCREEN WALL HARDWARE, SEE CIVIL.



2 PLAN DETAILS @ METAL PANEL STORAGE ENCLOSURE WALL
1 1/2"=1'-0"

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172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

ROY T. DECKER
REGISTERED ARCHITECT
2879
MISSISSIPPI

SEPTEMBER 27, 2023

REGISTERED ARCHITECT
ANNE MARIE DECKER
3944
JACKSON, MS
STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

DRAWN BY: MCH	SCALE: AS INDICATED
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172401

DRAWING TITLE

SITE DETAILS

SHEET NUMBER

AS1.0

0 3" 6" 9" 1'-6" 3' 6'

0 1" 3" 6" 1' 3'

GENERAL DEMO NOTES

1807 RENOVATE BASE SUPPLY B180

NO.	NOTE
1	MAINTAIN ADEQUATE EGRESS AT ALL TIMES & PROVIDE SIGNAGE AS REQUIRED.
2	HAZARDOUS MATERIALS ABATEMENT SHALL BE COMPLETE PRIOR TO GENERAL DEMOLITION.
3	PROVIDE TEMPORARY & ADEQUATE SUPPORT FOR ALL CONDITIONS MADE UNSTABLE AS A RESULT OF THE DEMOLITION PROCESS
4	FOR ELECTRICAL/MECHANICAL DEMOLITION SEE ELECTRICAL AND MECHANICAL DEMOLITION DRAWINGS & SPECIFICATIONS
5	ITEMS SHOWN TO REMAIN OR TO BE RELOCATED SHALL BE PROTECTED FROM DAMAGE AT ALL TIMES. THE CONTRACTOR SHALL PROTECT CONSTRUCTION TO REMAIN DURING THE DEMOLITION PHASE OF THE WORK. THE CONTRACTOR AGREES TO REPAIR AND/OR REPLACE ANY DAMAGE TO EXISTING CONST
6	REMOVE WALLS, FLOORS, CEILINGS, ROOFS STRUCTURE AND FINISHES AS SHOWN ON DRAWINGS.
7	REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
8	COORDINATE ALL DEMOLITION WORK WITH ALTERNATES AND PHASING.
9	THE CONTRACTOR SHALL COMPLETELY REMOVE FROM THE SITE ALL ITEMS SHOWN TO BE REMOVED AND NOT DESIGNATED TO BE TURNED IN. SUCH ITEMS SHALL BECOME THE CONTRACTORS' PROPERTY.
10	EXISTING CONSTRUCTION DISTURBED BY THE DEMOLITION WORK UNDER THIS CONTRACT BUT REMAINING SHALL BE PATCHED, REPLACED, OR REFINISHED TO MATCH EXISTING AS APPROVED BY THE ARCHITECT.
11	NOT USED
12	NOT USED
13	NOT USED
14	NOT USED
15	PROTECT ALL FINISHES & MATERIALS TO REMAIN FROM DAMAGE.
16	NOT USED
17	NOT USED
18	NOT USED
19	MAINTAIN FIRE RATED WALLS, SMOKE PARTITIONS, FLOOR/ CEILING ASSEMBLIES, ROOF ASSEMBLIES, AND WALLS REQUIRING OPENING PROTECTIVES. ANY PENETRATIONS SHALL BE SEALED WITH ACCEPTABLE U.L. RATED FIRE CAULKING ASSEMBLY. ANY OPENINGS SHALL BE PROTECTED.
20	COVER & PROTECT EXIST. FLOOR DRAINS IN EACH RESTROOM. IF DEMOLITION DEBRIS CLOGS FLOOR DRAINS, CONTRACTOR WILL BE RESPONSIBLE FOR CLEANING DRAIN.
21	ALL DIMENSIONS SHOWN TO EXIST. CONDITIONS ARE APPROX. AND SHALL BE VERIFIED IN FIELD.
21	COORDINATE REPAIR & NEW FINISH INSTALLATION IN (AND IMMEDIATELY ADJACENT TO) OCCUPIED AREAS WITH THE ARCHITECT AND OWNER.

DEMOLITION FLOOR PLAN LEGEND

EXISTING WALLS OR OTHER ARCHITECTURAL ITEM TO BE DEMOLISHED

DOOR TO BE DEMOLISHED

11 KEYED DEMO NOTES - DENOTES SPECIFIC DEMO

WINDOW TO BE DEMOLISHED

PLUMBING FIXTURES TO BE DEMOLISHED SHOWN IN BOLD.

DEMOLISH EXISTING FLOOR FINISH - SEE DEMO FINISH SCHED. FOR ADDITIONAL INFORMATION. CONTRACTOR TO VERIFY EXIST FLOOR FINISH

KEYED DEMO NOTES

1807 RENOVATE BASE SUPPLY B180

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4	REMOVE EXISTING GYPSUM BOARD PARTITION WALLS.
5	REMOVE ALL EXISTING FLOOR FINISH, UNLESS OTHERWISE NOTED
6	REMOVE EXISTING CURB - SEE D5.0
7	REMOVE EXISTING PLUMBING FIXTURE.
8	REMOVE EXISTING TOILET PARTITIONS
9	SAW CUT & DEMO EXISTING SLAB/RAMP @ AREAS INDICATED TO DIMENSIONS SHOWN.
10	REMOVE EXISTING EXTERIOR DOOR AND FRAME.
11	REMOVE EXISTING INTERIOR DOOR AND FRAME.
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14	DEMOLISH EXISTING SIDEWALK - SEE CIVIL FOR EXTENT
15	REMOVE PORTION OF EXISTING CMU OR BRICK WALL (FULL HEIGHT)
16	REMOVE PORTION OF EXISTING CMU/ BRICK WALL TO ACCOMMODATE R.O. OF NEW OPENING/INFILL. SAWCUT TO ACHIEVE DIMENSIONS SHOWN. SEE STRUCT. FOR NEW HEADERS @ NEW OPENINGS. SEE DEMOLITION ELEV. FOR EXTENT OF BRICK REMOVAL AND LOCATIONS WHERE TOOTHING IS REQUIRED
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25	REMOVE EXISTING EXHAUST FAN, KEEP CURB, AND CAP OPENING - SEE A1.3 + MECH
26	REMOVE EXISITNG INTERIOR DOOR - FRAME TO REMAIN
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RENOVATE BASE SUPPLY WAREHOUSE B180

MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

ROY T. DECKER
REGISTERED ARCHITECT
2879
MISSISSIPPI

SEPTEMBER 27, 2023

REGISTERED ARCHITECT
ANNE MARIE DECKER
3044
JACKSON, MS
STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

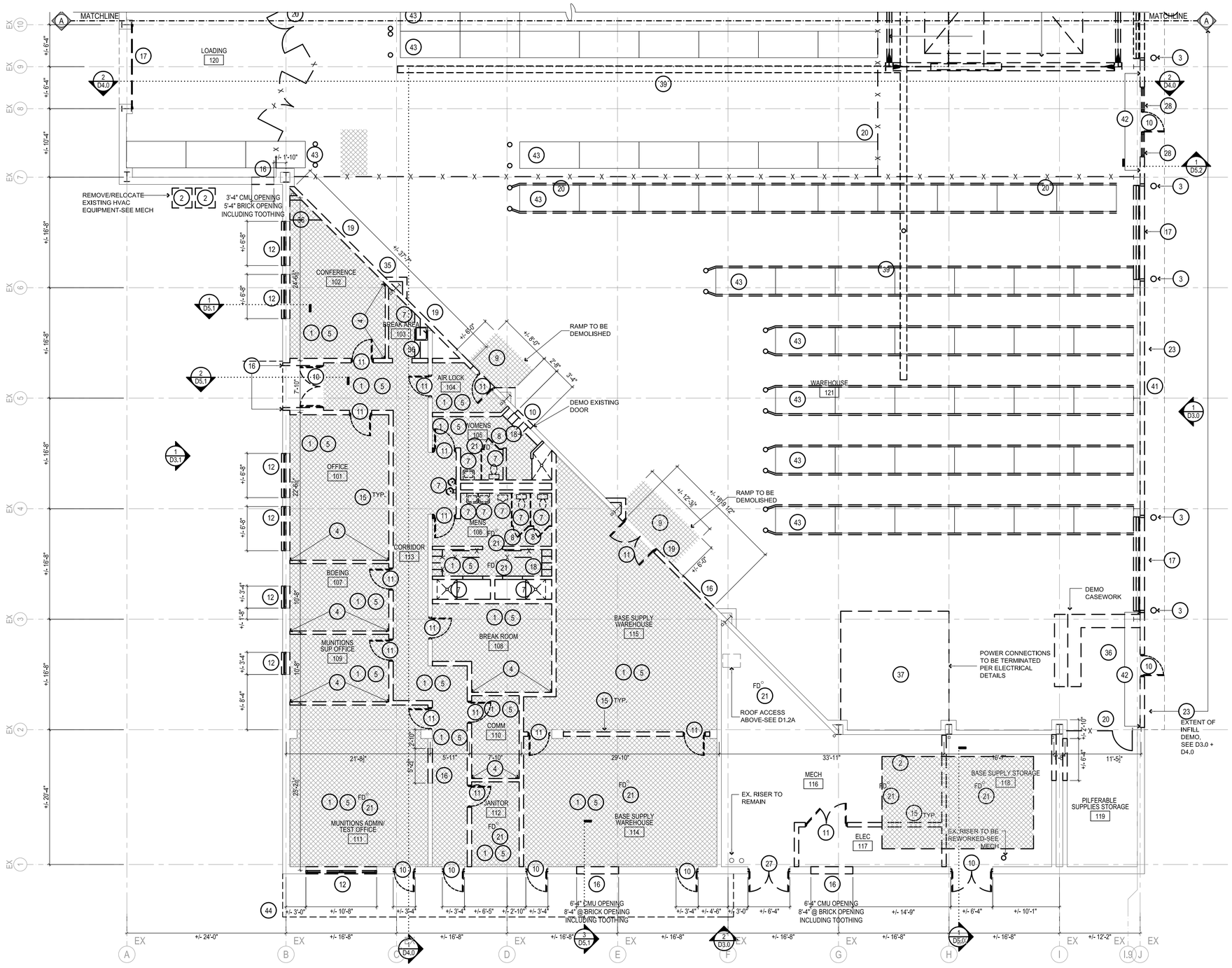
DRAWN BY: MCH	SCALE: NA
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

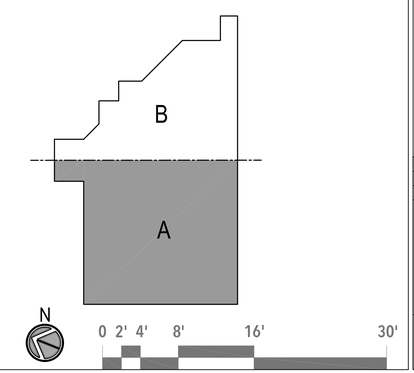
DEMO NOTES

SHEET NUMBER

D0.0



1 FIRST FLOOR DEMOLITION PLAN- AREA A
1/8"=1'-0"



KEYED DEMO NOTES

1807 RENOVATE BASE SUPPLY B180

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RENOVATE BASE SUPPLY WAREHOUSE B180

MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

ROY T. DECKER REGISTERED ARCHITECT 2879 MISSISSIPPI
SEPTEMBER 27, 2023

ANNE MARIE DECKER REGISTERED ARCHITECT 3044 JACKSON, MS STATE OF MISSISSIPPI
SEPTEMBER 27, 2023

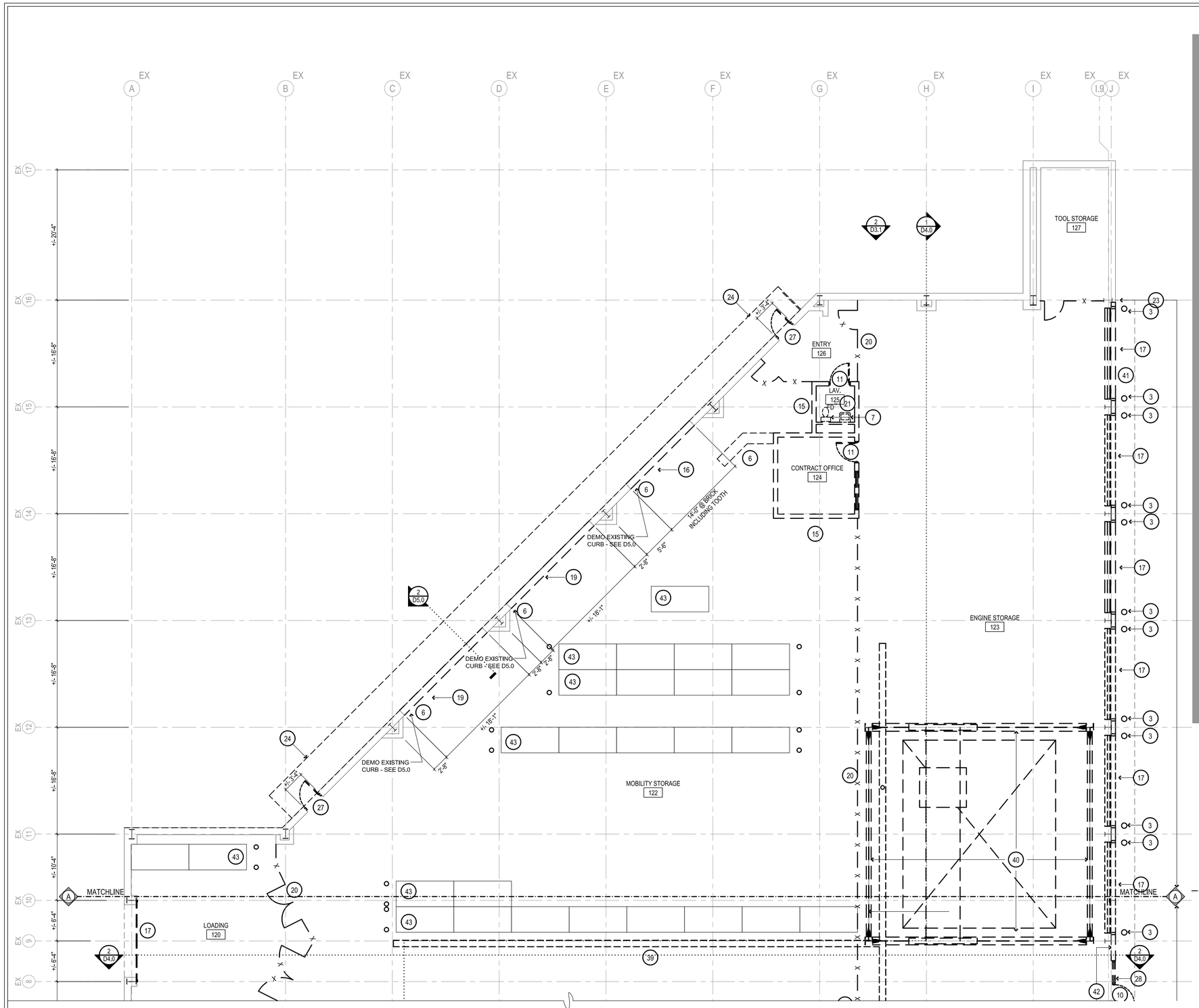
DRAWN BY: MCH	SCALE: NA
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

FIRST FLOOR DEMO PLAN

SHEET NUMBER

D1.1A



1 FIRST FLOOR DEMOLITION PLAN- AREA B
1/8"=1'-0"

KEYED DEMO NOTES

1807 RENOVATE BASE SUPPLY B180

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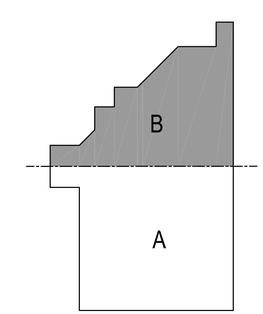

N

0 2' 4' 8' 16' 30'

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SEPTEMBER 27, 2023

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3044
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STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

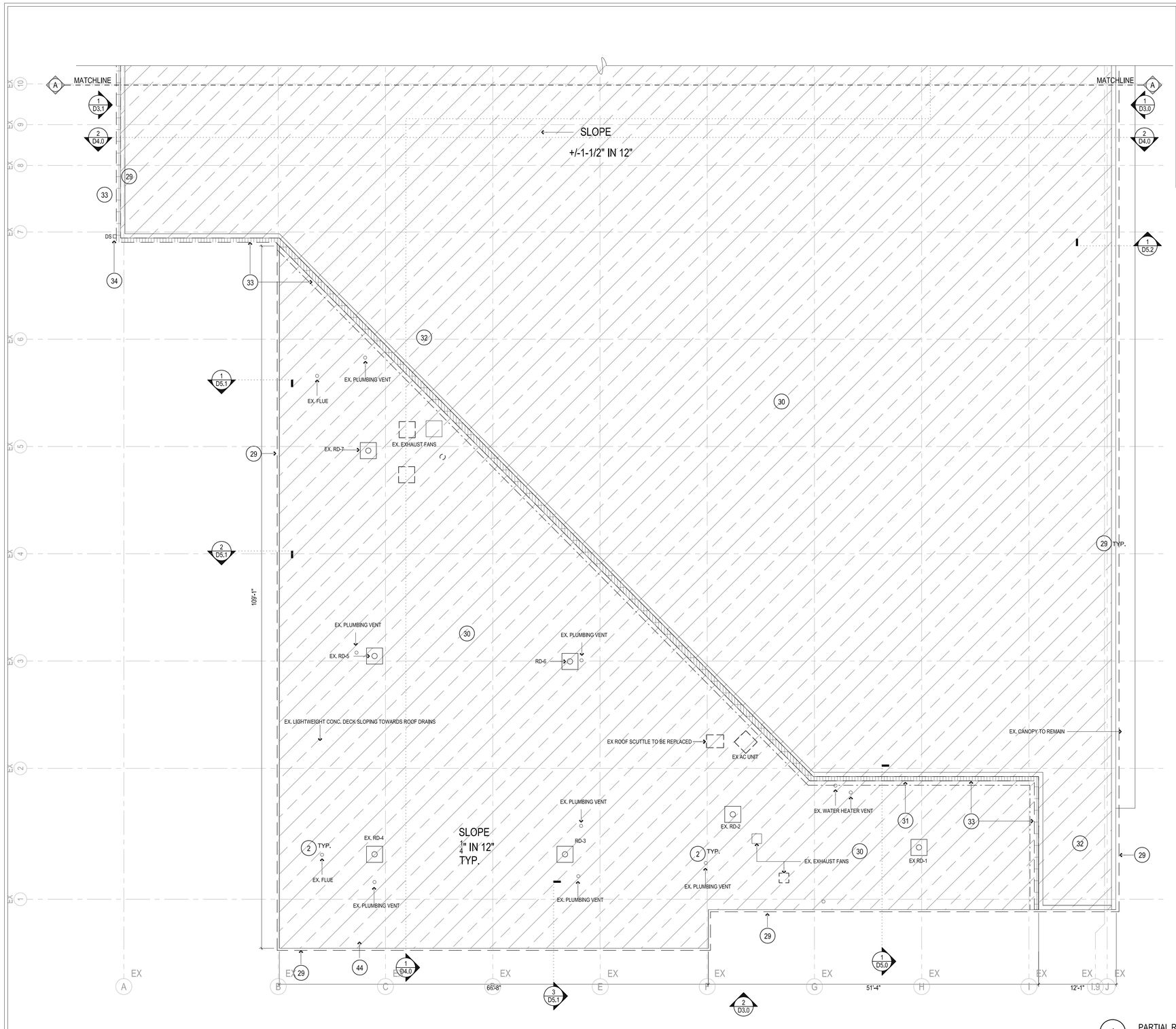
DRAWN BY: MCH	SCALE: NA
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

FIRST FLOOR DEMO PLAN

SHEET NUMBER

D1.1B



1 PARTIAL ROOF PLAN-DEMO
1/8"=1'-0"

ROOF PLAN DEMO LEGEND

- EXISTING ROOF TO BE DEMOLISHED - SEE SPEC
- EXISTING GUTTER TO BE DEMOLISHED - SEE SPEC
- EXISTING TERMINATION BAR TO BE REMOVED -SEE SPEC
- EXISTING COPING TO BE REMOVED -SEE SPEC
- (11) KEYED DEMO NOTES - DENOTES SPECIFIC DEMO

* ALL DASHED ITEMS SHOWN AS DASHED TO BE REMOVED

KEYED DEMO NOTES

1807 RENOVATE BASE SUPPLY B180

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15	REMOVE PORTION OF EXISTING CMU OR BRICK WALL (FULL HEIGHT)
16	REMOVE PORTION OF EXISTING CMU/ BRICK WALL TO ACCOMMODATE R.O. OF NEW OPENING/INFILL. SAWCUT TO ACHIEVE DIMENSIONS SHOWN. SEE STRUCT. FOR NEW HEADERS @ NEW OPENINGS. SEE DEMOLITION ELEV. FOR EXTENT OF BRICK REMOVAL AND LOCATIONS WHERE TOOTHING IS REQUIRED
17	REMOVE EXISTING OVERHEAD ROLLING DOORS-FRAME TO REMAIN
18	REMOVE EXISTING LOCKERS
19	REMOVE EXISTING CMU WALL (FULL EXISTING HEIGHT). SAWCUT WALLS TO ACHIEVE DIMENSIONS SHOWN
20	REMOVE EXISTING FENCE AND GATES
21	REMOVE EXISTING FLOOR DRAIN.
22	REMOVE PRIMARY ELECTRICAL CONDUIT - KEEP CABLEING INTACT FOR RELOCATION
23	DEMOLISH PORTION OF EXISTING METAL INFILL PANELS
24	DEMOLISH EX. CANOPY - SEE D5.0
25	REMOVE EXISTING EXHAUST FAN. KEEP CURB, AND CAP OPENING - SEE A1.3 + MECH
26	REMOVE EXISITNG INTERIOR DOOR - FRAME TO REMAIN
27	REMOVE EXISTING EXTERIOR DOOR - FRAME TO REMAIN
28	REMOVE EXISTING LOUVER
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34	REMOVE EXISTING DOWNSPOUT
35	REMOVE EXISTING CMU AROUND COLUMN - COLUMN TO REMAIN
36	REMOVE EXISTING MILLWORK
37	DEMOLISH EXISTING PRE-FABRICATED OFFICE CONSTRUCTION - SEE ELEC. FOR TERMINATION OF POWER DETAILS
38	DEMOLISH EXISTING LIGHTING - SEE ELEC. DEMO
39	REMOVE EXISTING TRENCH DRAIN (COVER AND FRAME)
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41	REMOVE FINISHES ON EA. SIDE OF WALL TO EXTENT SHOWN. STRUCT. IN WALL TO REMAIN
42	REMOVE WALL FINISHES. MODIFY STRUCT. IN WALL BELOW 14'-0" AFF THIS BAY -SEE STRUCT
43	EXISTING SHELVES, BOLLARDS, AND GUARDS TO BE REMOVED AND STORED DURING CONSTRUCTION. RETURN AND LAYOUT PER A1.1A
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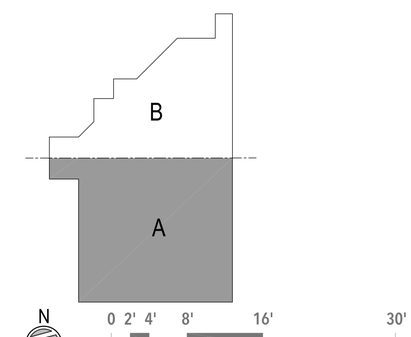

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RENOVATE BASE SUPPLY WAREHOUSE B180

MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

ROY T. DECKER
REGISTERED ARCHITECT
2879
MISSISSIPPI

SEPTEMBER 27, 2023

REGISTERED ARCHITECT
ANNE MARIE DECKER
3044
JACKSON, MS
STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

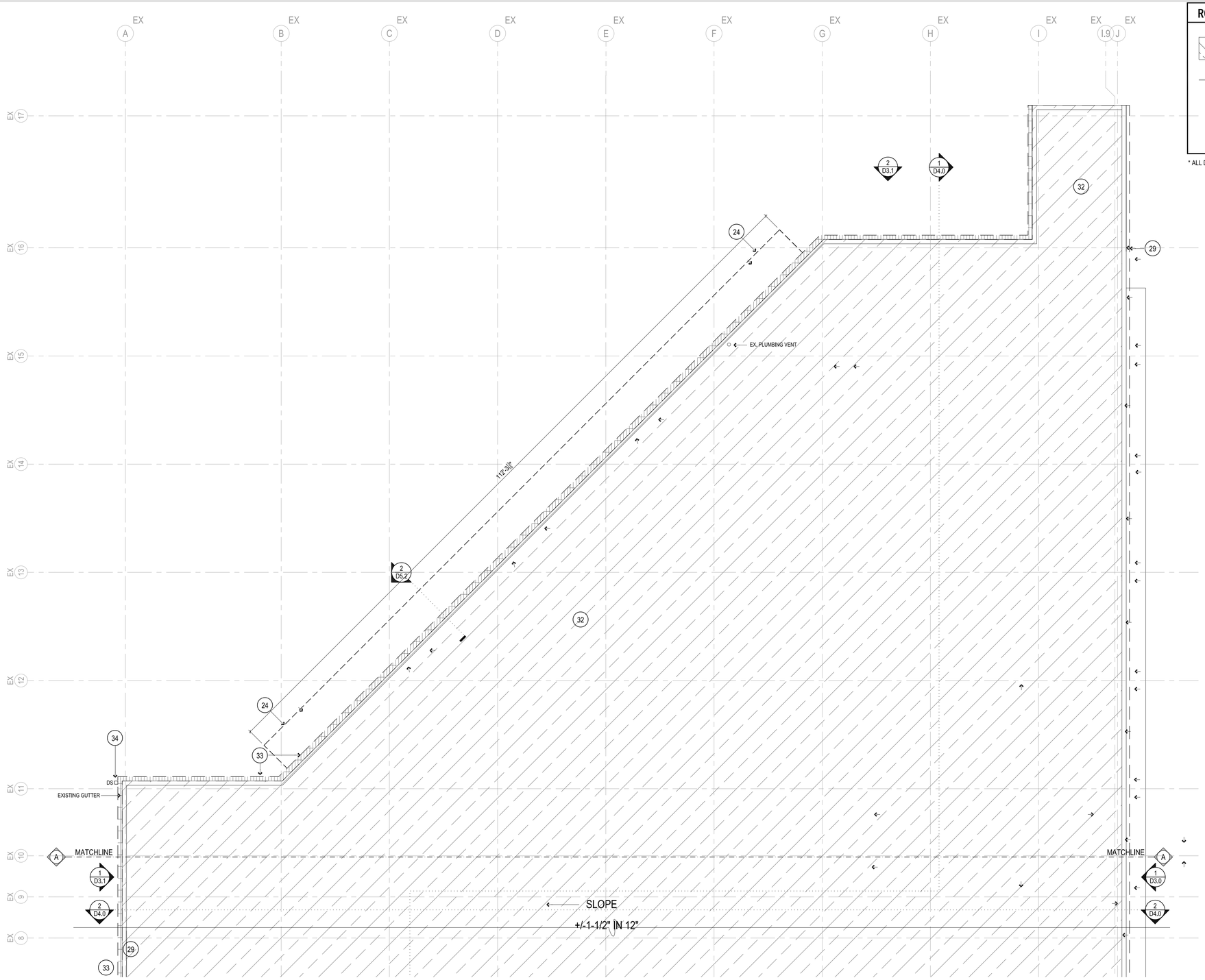
DRAWN BY: MCH	SCALE: NA
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

PARTIAL ROOF DEMO PLAN

SHEET NUMBER

D1.2A



1 PARTIAL ROOF PLAN-DEMO
1/8"=1'-0"

ROOF PLAN DEMO LEGEND

- EXISTING ROOF TO BE DEMOLISHED - SEE SPEC
- EXISTING GUTTER TO BE DEMOLISHED - SEE SPEC
- EXISTING TERMINATION BAR TO BE REMOVED -SEE SPEC
- EXISTING COPING TO BE REMOVED -SEE SPEC
- (11) KEYED DEMO NOTES - DENOTES SPECIFIC DEMO

* ALL DASHED ITEMS SHOWN AS DASHED TO BE REMOVED

KEYED DEMO NOTES

1807 RENOVATE BASE SUPPLY B180

NO.	NOTE
1	REMOVE EXISTING LAY IN ACCOUSTICAL CEILING TILES & GRID - ALL AREAS UNLESS OTHERWSE NOTED.
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3	REMOVE EXISTING BOLLARDS.
4	REMOVE EXISTING GYPSUM BOARD PARTITION WALLS.
5	REMOVE ALL EXISTING FLOOR FINISH, UNLESS OTHERWISE NOTED
6	REMOVE EXISTING CURB - SEE D5.0
7	REMOVE EXISTING PLUMBING FIXTURE.
8	REMOVE EXISTING TOILET PARTITIONS
9	SAW CUT & DEMO EXISTING SLAB/RAMP @ AREAS INDICATED TO DIMENSIONS SHOWN.
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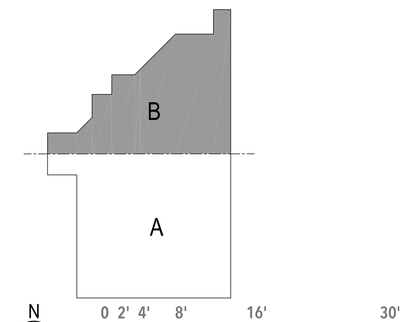

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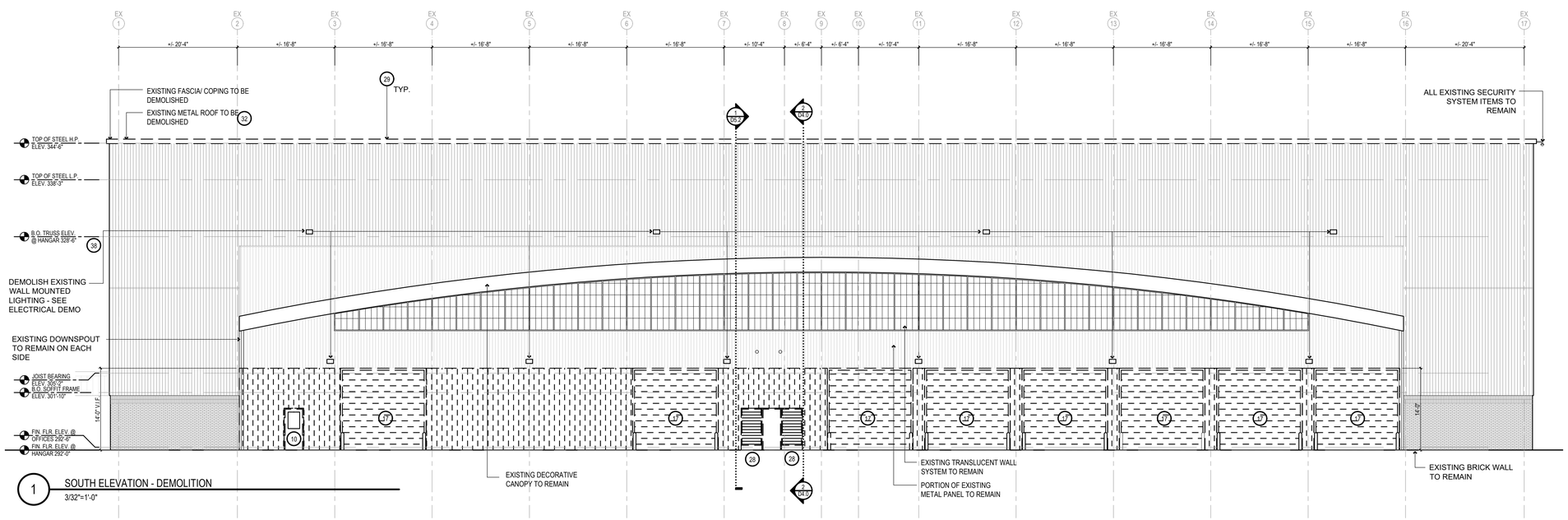
PARTIAL ROOF DEMO PLAN

SHEET NUMBER

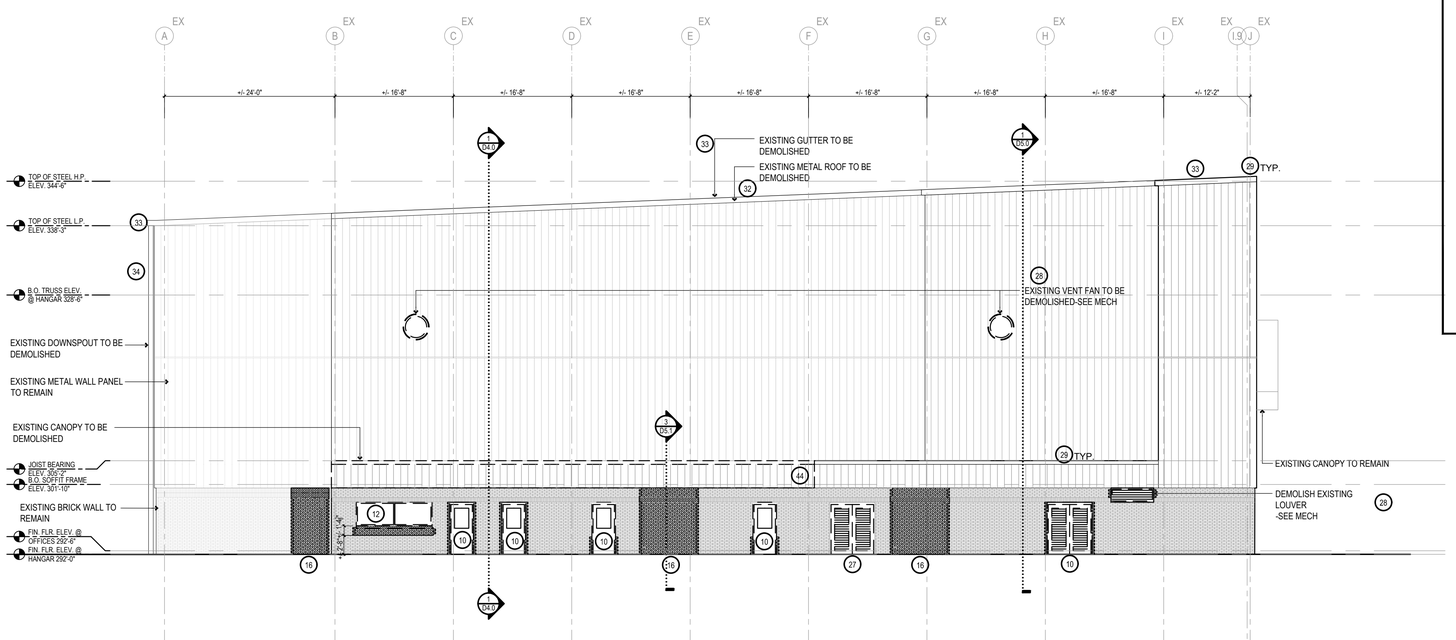
D1.2B



1 SOUTH ELEVATION - DEMOLITION
3/32"=1'-0"

ELEVATION DEMO LEGEND

- AREA OF EXISTING BRICK/ CMU WALL TO BE REMOVED - SAWCUT WHEN NOT TOOTHED
- AREA OF TOOTHED BRICK DEMOLITION - 4" EACH SIDE OF NEW OPENING DIM. TYP.
- AREA OF EXISTING BRICK/ CMU WALL TO REMAIN
- AREA OF EXISTING METAL WALL PANEL TO BE REMOVED
- AREA OF EXISTING METAL WALL PANEL TO REMAIN
- EXISTING WINDOW TO BE DEMOLISHED
- EXISTING DOOR TO BE DEMOLISHED
- EXISTING OVERHEAD DOOR TO BE DEMOLISHED



2 WEST ELEVATION - DEMOLITION
3/32"=1'-0"

ELEVATION DEMO LEGEND

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- EXISTING WINDOW TO BE DEMOLISHED
- EXISTING DOOR TO BE DEMOLISHED
- EXISTING OVERHEAD DOOR TO BE DEMOLISHED

KEYED DEMO NOTES

1807 RENOVATE BASE SUPPLY B180

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8	REMOVE EXISTING TOILET PARTITIONS
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44	DEMOLISH EXISTING CANOPY - SEE D5.1

0 2' 5' 10' 20' 40'

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RENOVATE BASE SUPPLY WAREHOUSE B180

MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

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NO.	REMARKS	DATE

SEAL:

ROY T. DECKER REGISTERED ARCHITECT 2879 MISSISSIPPI
SEPTEMBER 27, 2023

ANNE-MARIE DECKER REGISTERED ARCHITECT 3044 JACKSON, MS STATE OF MISSISSIPPI
SEPTEMBER 27, 2023

DRAWN BY: MCH	SCALE: NA
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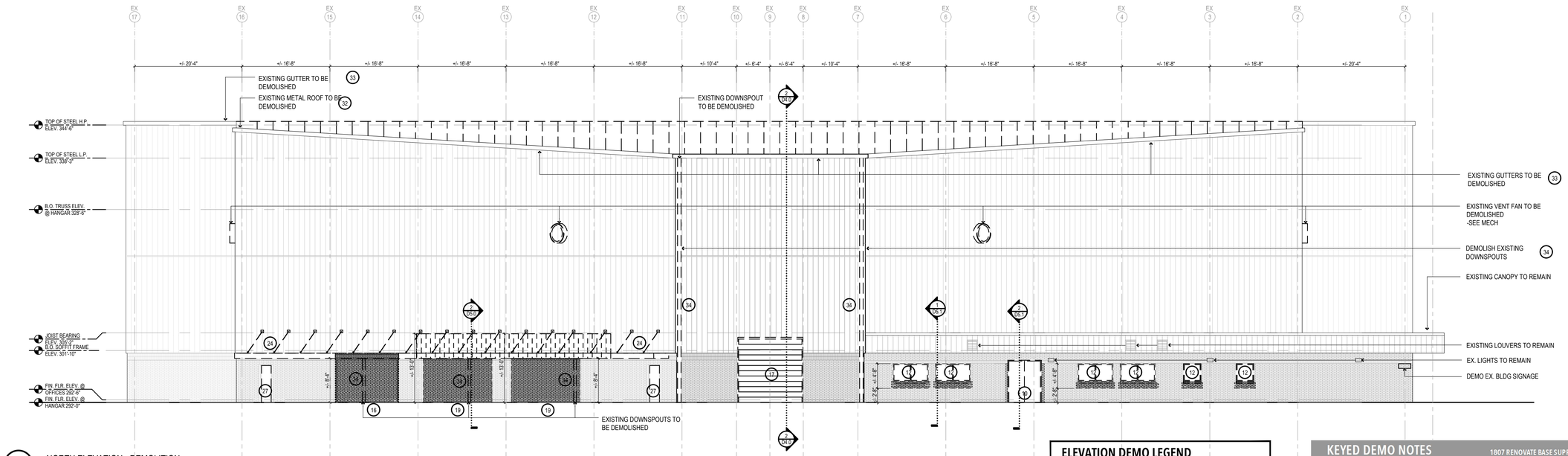
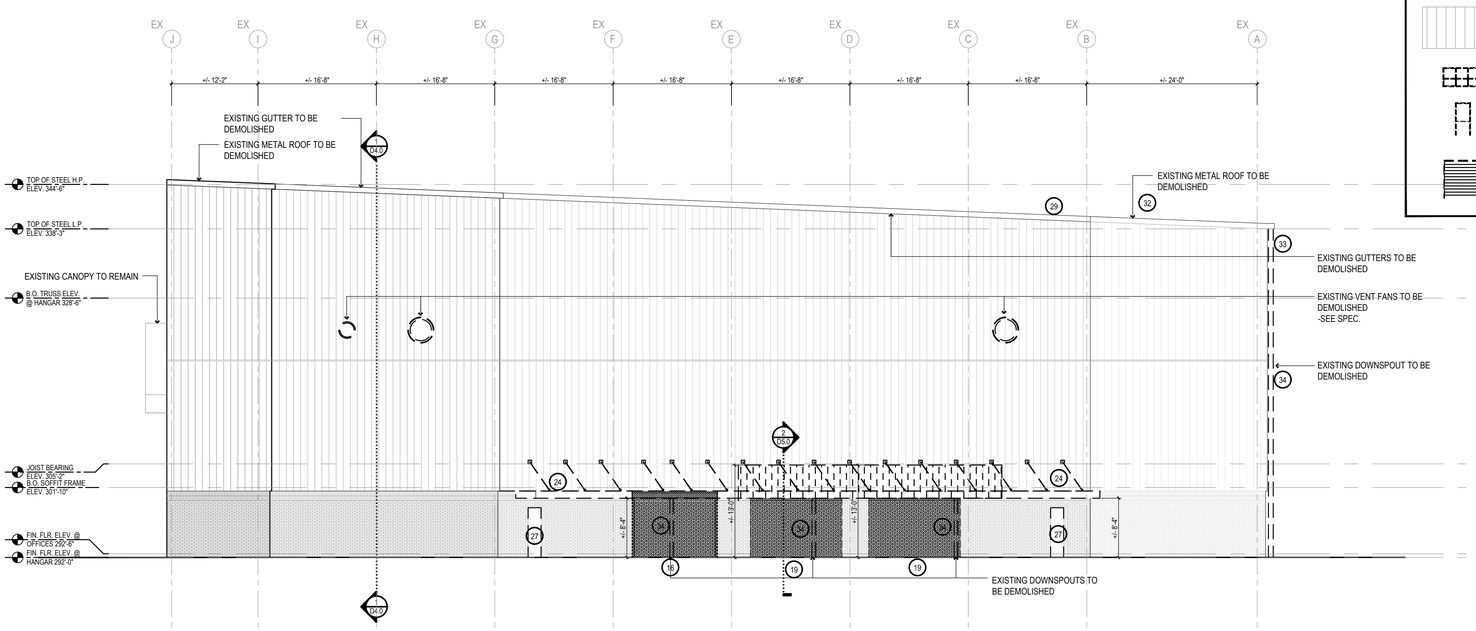
DEMO ELEVATIONS

SHEET NUMBER

D3.0



1 NORTH ELEVATION - DEMOLITION
3/32"=1'-0"



2 EAST ELEVATION - DEMOLITION
3/32"=1'-0"

ELEVATION DEMO LEGEND

- AREA OF EXISTING BRICK/ CMU WALL TO BE REMOVED - SAWCUT WHEN NOT TOOTHED
- AREA OF TOOTHED BRICK DEMOLITION - 4" EACH SIDE OF NEW OPENING DIM. TYP.
- AREA OF EXISTING BRICK/ CMU WALL TO REMAIN
- AREA OF EXISTING METAL WALL PANEL TO BE REMOVED
- AREA OF EXISTING METAL WALL PANEL TO REMAIN
- EXISTING WINDOW TO BE DEMOLISHED
- EXISTING DOOR TO BE DEMOLISHED
- EXISTING OVERHEAD DOOR TO BE DEMOLISHED

KEYED DEMO NOTES

1807 RENOVATE BASE SUPPLY B180

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DEMO ELEVATIONS

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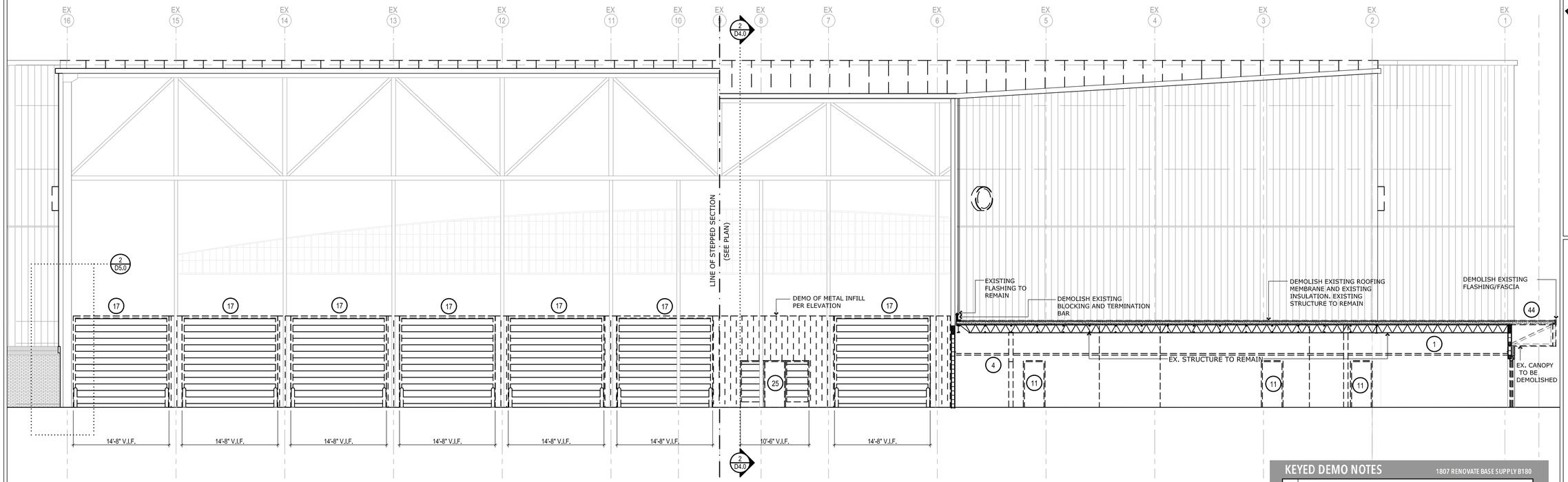
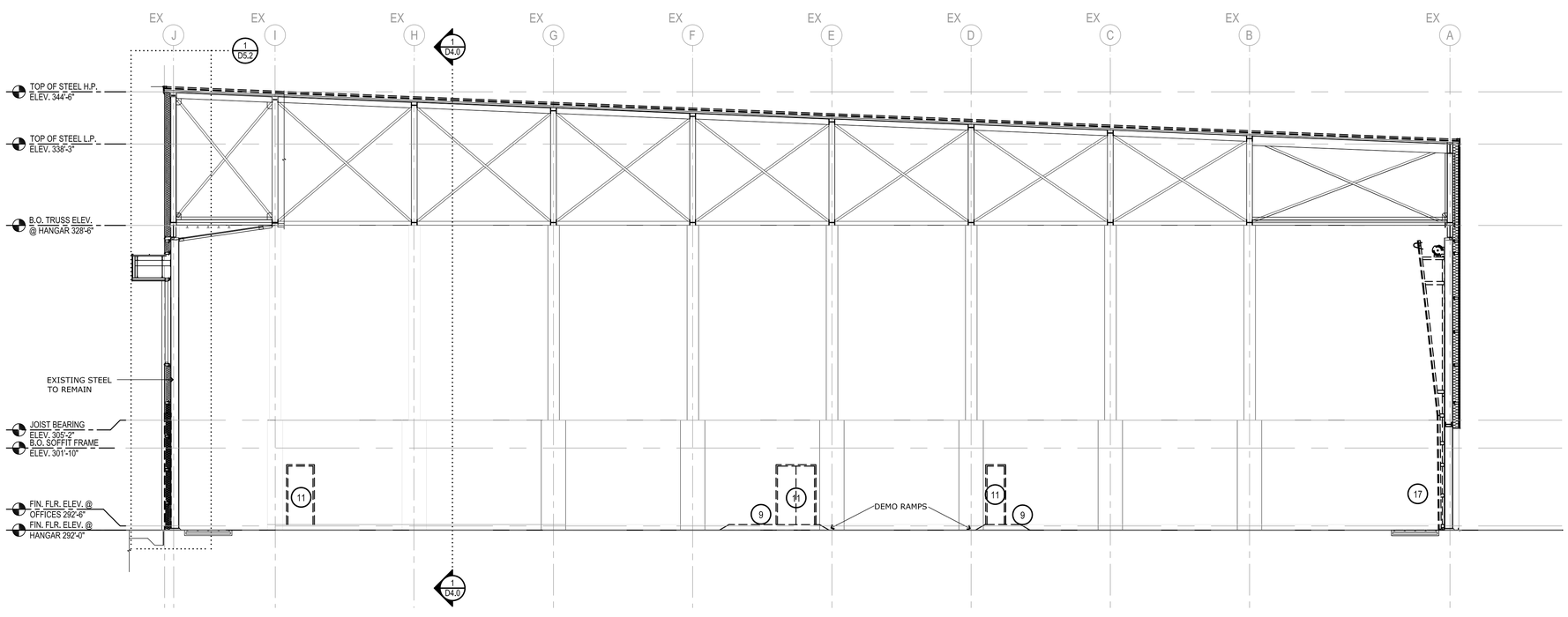
D3.1



1 BUILDING SECTION - DEMOLITION
1/8"=1'-0"



2 BUILDING SECTION - DEMOLITION
1/8"=1'-0"

0 2' 4' 8' 16' 30'

KEYED DEMO NOTES

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19	REMOVE EXISTING CMU WALL (FULL EXISTING HEIGHT). SAWCUT WALLS TO ACHIEVE DIMENSIONS SHOWN
20	REMOVE EXISTING FENCE AND GATES
21	REMOVE EXISTING FLOOR DRAIN.
22	REMOVE PRIMARY ELECTRICAL CONDUIT - KEEP CABLEING INTACT FOR RELOCATION
23	DEMOLISH PORTION OF EXISTING METAL INFILL PANELS
24	DEMOLISH EX. CANOPY - SEE D5.0
25	REMOVE EXISTING EXHAUST FAN, KEEP CURB, AND CAP OPENING - SEE A1.3 + MECH
26	REMOVE EXISITNG INTERIOR DOOR - FRAME TO REMAIN
27	REMOVE EXISTING EXTERIOR DOOR - FRAME TO REMAIN
28	REMOVE EXISTING LOUVER
29	REMOVE EXISTING METAL GRAVEL STOP/COPING/ FASCIA
30	REMOVE EXISTING MEMBRANE ROOF AND INSULATION TO DECK, DECK TO REMAIN
31	REMOVE EXISTING TERMINATION BAR.
32	REMOVE EXISTING METAL ROOF AND INSULATION TO DECK, DECK TO REMAIN
33	REMOVE EXISTING GUTTER
34	REMOVE EXISTING DOWNSPOUT
35	REMOVE EXISTING CMU AROUND COLUMN - COLUMN TO REMAIN
36	REMOVE EXISTING MILLWORK
37	DEMOLISH EXISTING PREFABRICATED OFFICE CONSTRUCTION - SEE ELEC. FOR TERMINATION OF POWER DETAILS
38	DEMOLISH EXISTING LIGHTING - SEE ELEC. DEMO
39	REMOVE EXISTING TRENCH DRAIN (COVER AND FRAME)
40	DEMOLISH CRANE AND ASSOCIATED STRUCTURE
41	REMOVE FINISHES ON EA. SIDE OF WALL TO EXTENT SHOWN. STRUCT. IN WALL TO REMAIN
42	REMOVE WALL FINISHES. MODIFY STRUCTURE IN WALL BELOW 14'-0" AFF THIS BAY - SEE STRUCT.
43	EXISTING SHELVES, BOLLARDS, AND GUARDS TO BE REMOVED AND STORED DURING CONSTRUCTION. RETURN AND LAYOUT PER A1.1A.
44	DEMOLISH EXISTING CANOPY - SEE D5.1

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172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

ROY T. DECKER
REGISTERED ARCHITECT
2879
MISSISSIPPI

SEPTEMBER 27, 2023

REGISTERED ARCHITECT
JANNE MARIE DECKER
3044
JACKSON, MS
STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

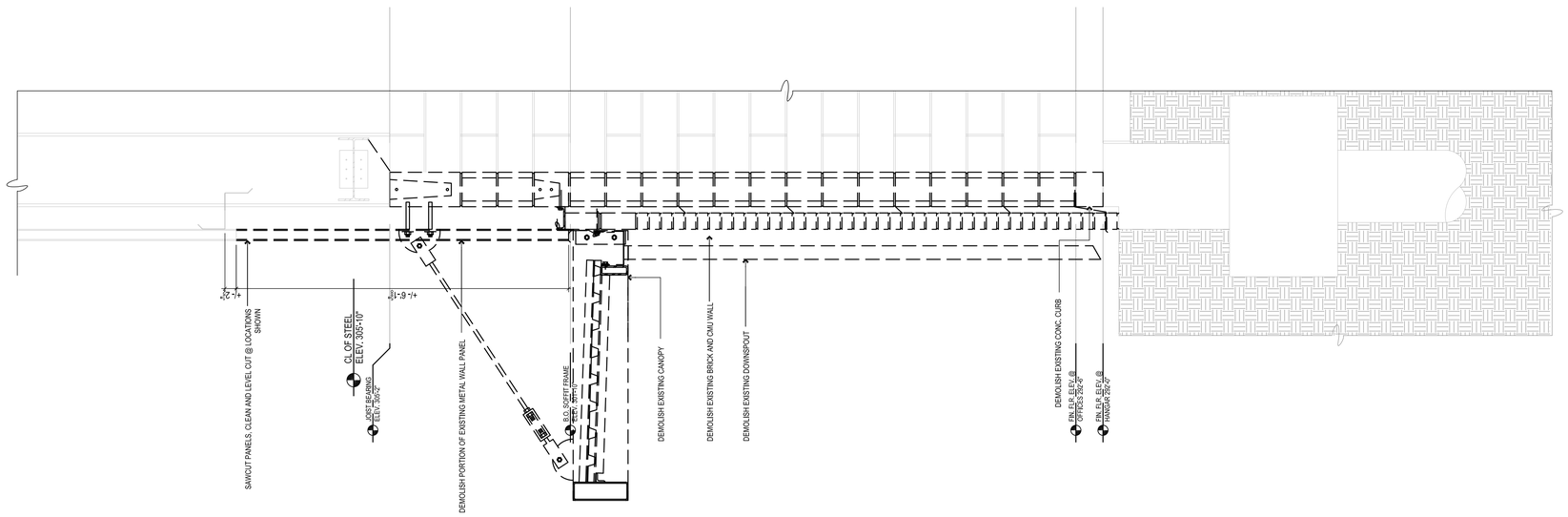
DRAWN BY: MCH	SCALE: NA
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

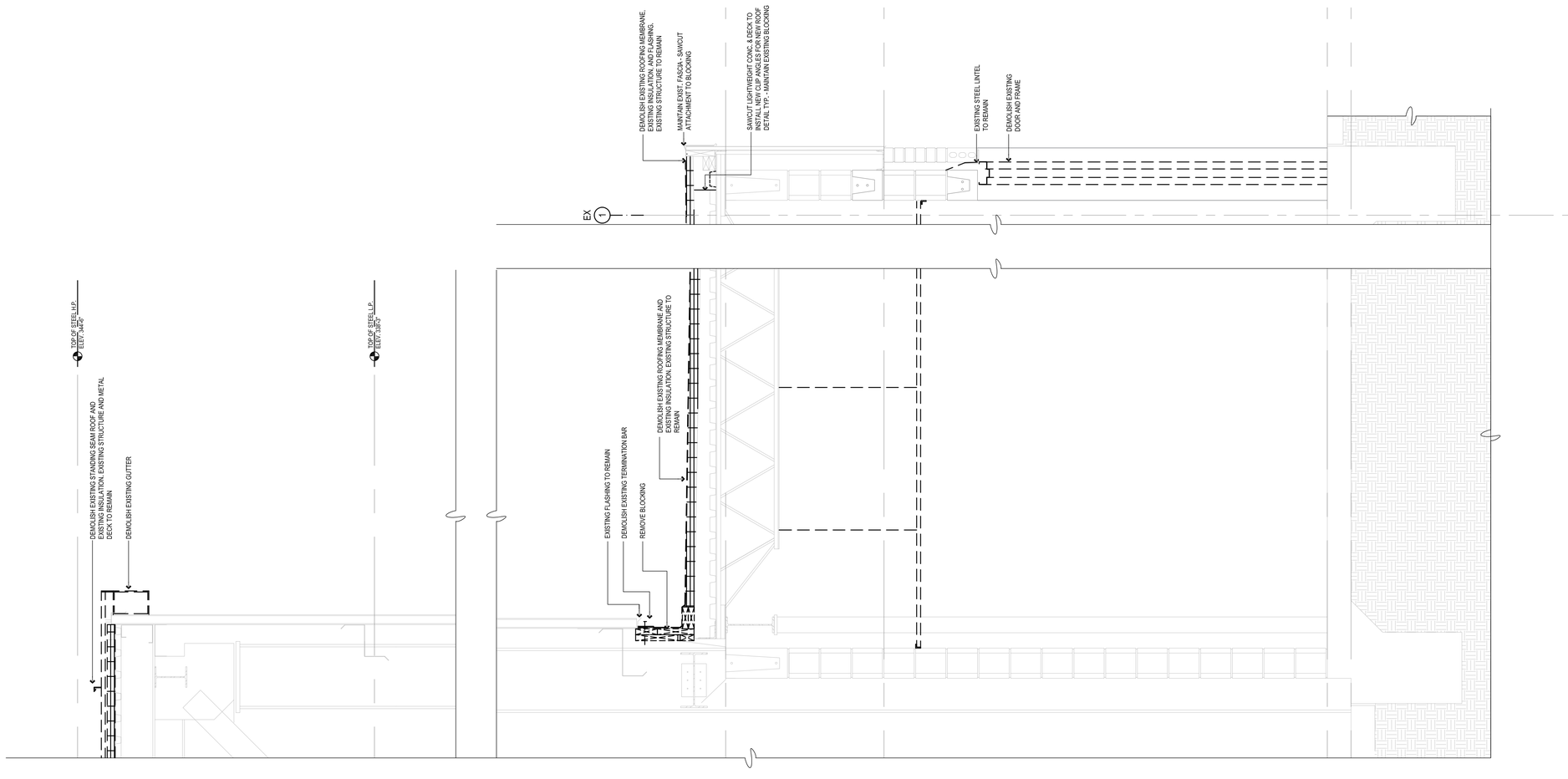
DEMO SECTIONS

SHEET NUMBER

D4.0



2 DEMO SECTION @ NEW LOADING DOCK AREA
3/4"=1'-0"



1 DEMO SECTION @ ADMIN/ WAREHOUSE
3/4"=1'-0"

0 3" 6" 9" 1'-6" 3' 6'

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ROY T. DECKER
REGISTERED ARCHITECT
#879
MISSISSIPPI

SEPTEMBER 27, 2023

REGISTERED ARCHITECT
ANNE MARIE DECKER
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STATE OF MISSISSIPPI
JACKSON, MS

SEPTEMBER 27, 2023

DRAWN BY: MCH	SCALE: 1/8"=1'-0"
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
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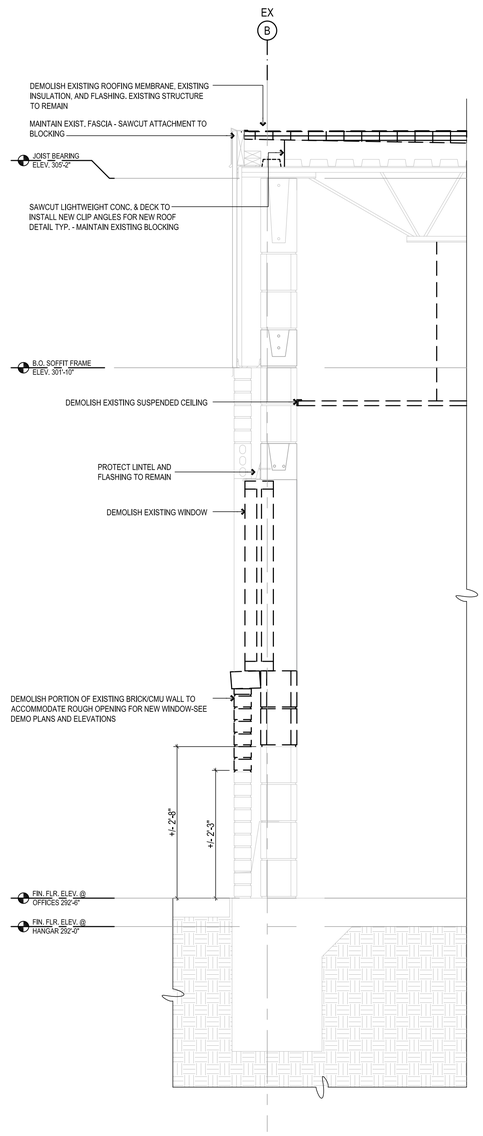
DRAWING TITLE

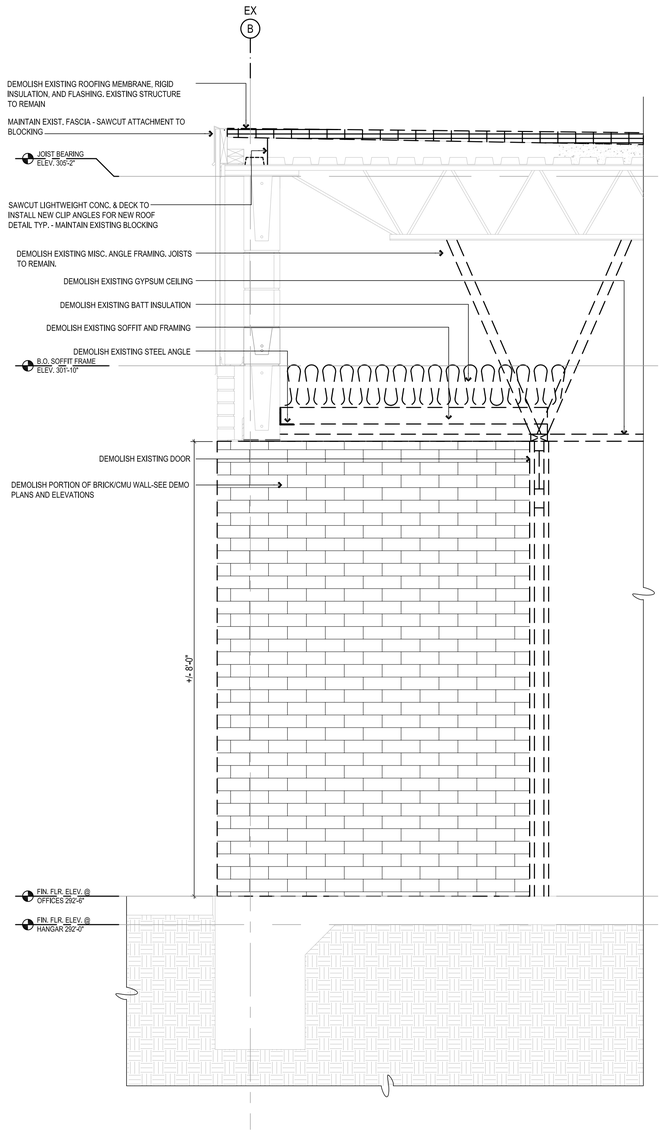
DEMO-WALL SECTIONS

SHEET NUMBER

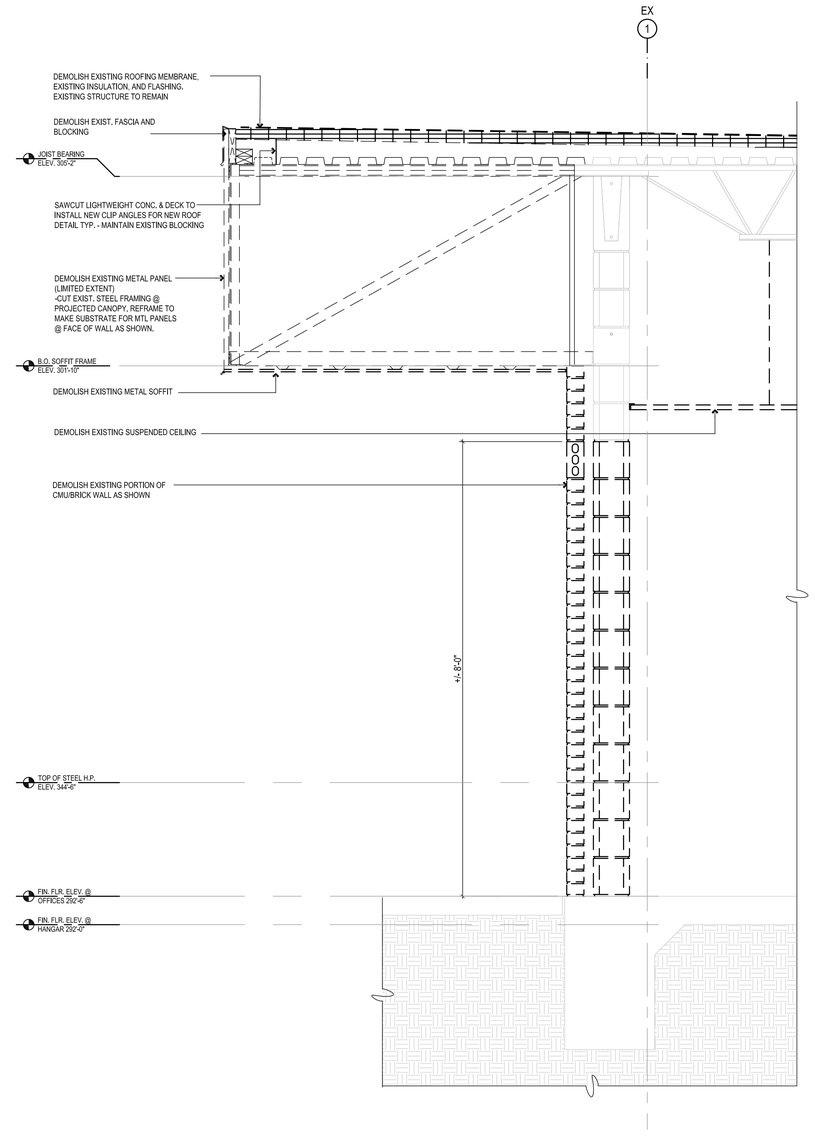
D5.0



1 TYP. DEMO SECTION @ NEW WINDOW INFILL
3/4"=1'-0"



2 DEMO SECTION @ EXISTING NORTH ENTRY
3/4"=1'-0"



3 DEMO SECTION @ WEST ELEVATION
3/4"=1'-0"

0 3" 6" 9" 1'-6" 3' 6'

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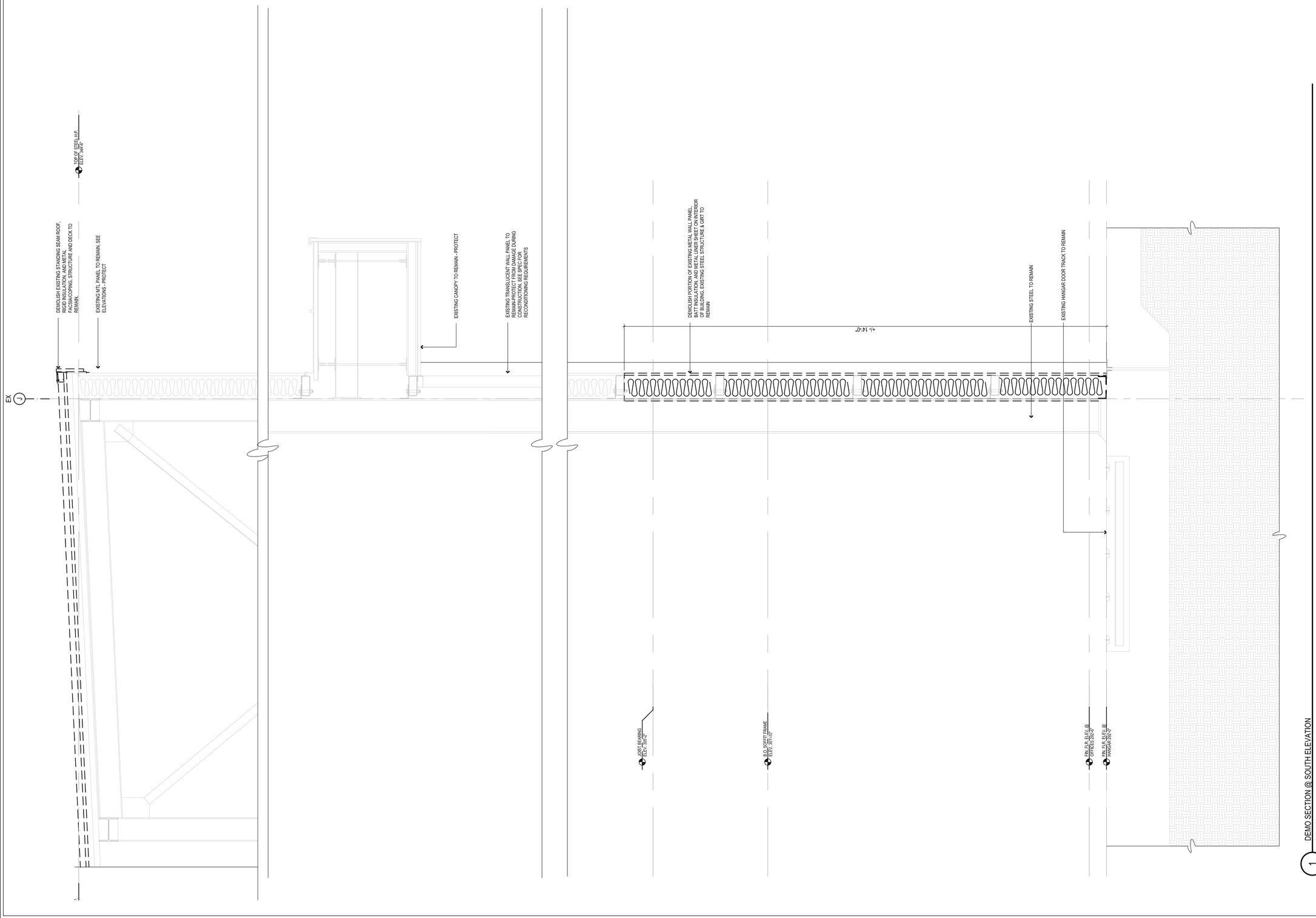
DEMO-WALL SECTIONS

SHEET NUMBER

D5.1



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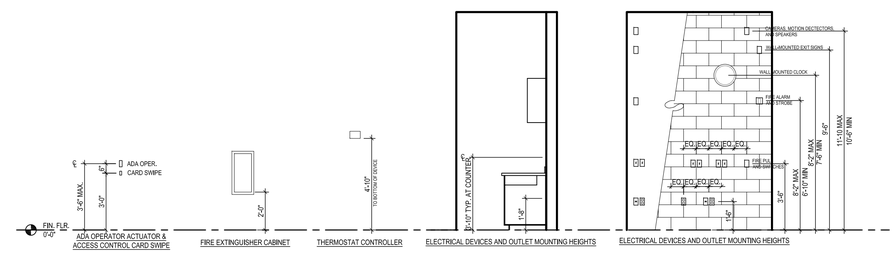
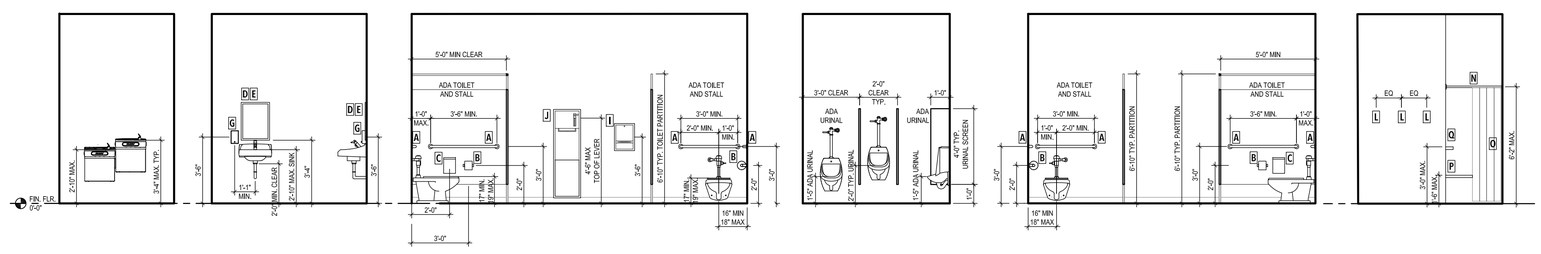
DEMO-WALL SECTIONS

SHEET NUMBER

D5.2



1 TYPICAL MOUNTING HEIGHTS
1/4"=1'-0"



2 TYPICAL MOUNTING HEIGHTS-PLUMBING FIXTURES
1/4"=1'-0"

ACCESSORY LEGEND (SEE SPECS):

A	GRAB BARS
B	TOILET TISSUE DISPENSER
C	SANITARY NAPKIN DISPOSAL
D	WALL MOUNTED MIRROR W/ SHELF
E	ADA WALL MOUNTED MIRROR
F	NOT USED
G	SOAP DISPENSER
H	NOT USED
I	PAPER TOWEL DISPENSER - SEMI-RECESSED
J	NOT USED
JJ	NOT USED
K	NOT USED
L	ROBE HOOK
M	WALL MOUNTED MOP/BROOM RACK
N	SHOWER CURTAIN ROD
O	SHOWER CURTAIN
P	ADA SHOWER SEAT
Q	WALL MOUNTED SOAP DISH
R	NOT USED
S	36 GALLON FREE STANDING TRASH CAN

0 1' 2' 4' 8' 16'

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SEPTEMBER 27, 2023

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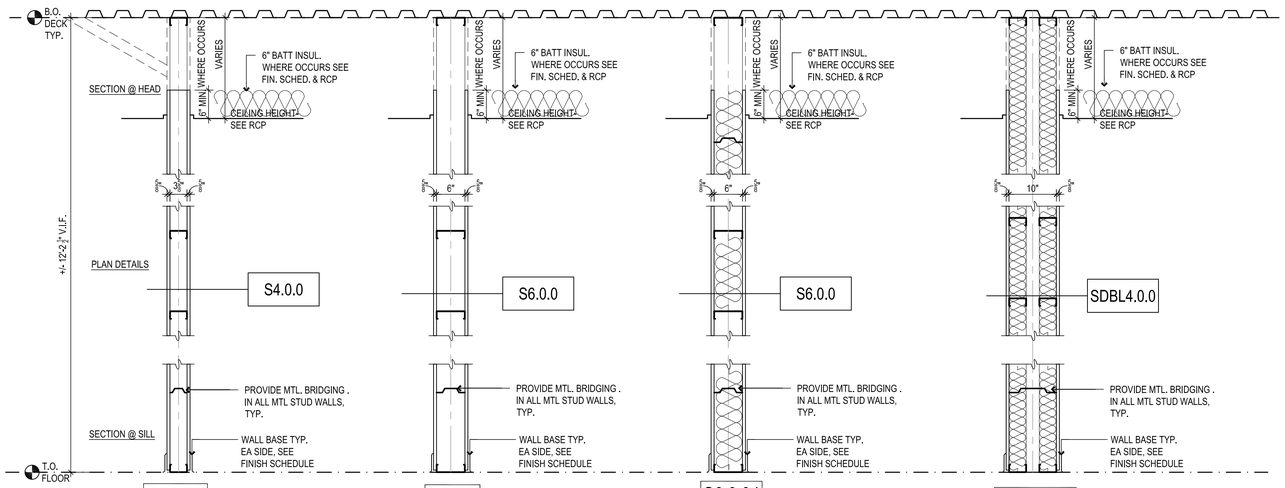
DRAWING TITLE

MOUNTING HEIGHTS

SHEET NUMBER

A0.0



S4.0.00

INTERIOR PARTITION - NOT RATED
- 5/8" CEMENT BOARD ON EA SIDE
- 3 5/8" STL STUDS
- TOP OF WALL TERMINATES AT B.O. DECK - SEAL DECK

(APPROX. STC/NIC RATING N/A)

S6.0.0

INTERIOR PARTITION - NOT RATED
- GYP BD PANELS ON EA SIDE 6" STL STUDS
- TOP OF WALL TERMINATES AT B.O. DECK

(APPROX. STC/NIC RATING N/A)

S6.0.0.i

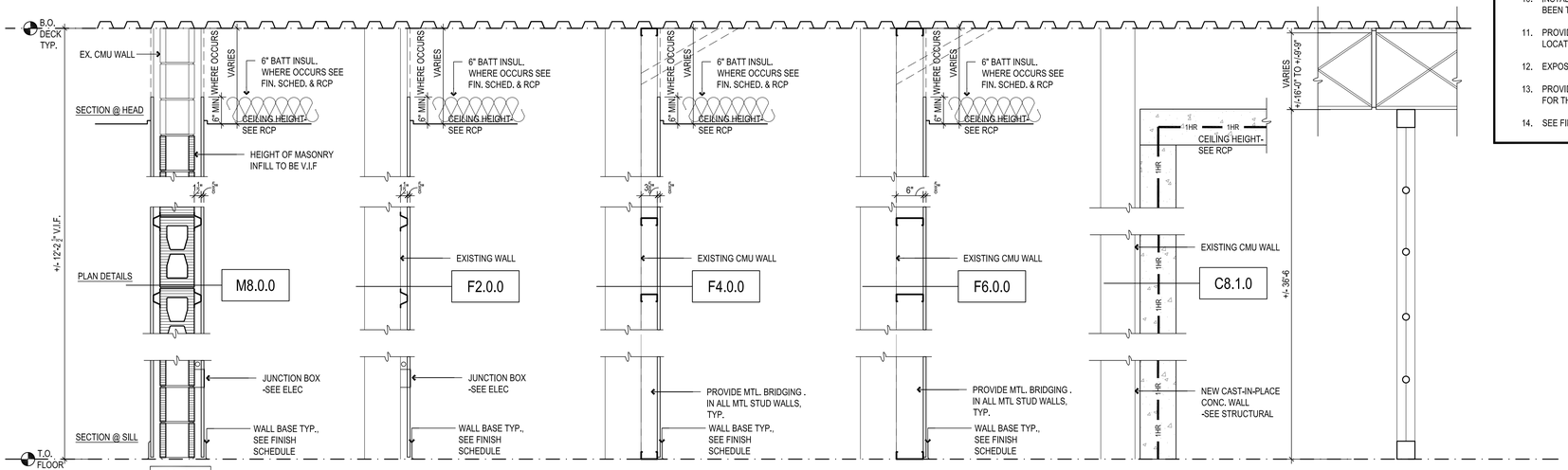
INTERIOR PARTITION - NOT RATED
- 5/8" GYP BD PANELS ON EA SIDE 6" STL STUDS
- 5 1/2" SOUND ATTENUATION BLANKET BTWN STUDS
- TOP OF WALL TERMINATES AT B.O. DECK

(APPROX. STC/NIC RATING N/A)

SDBL4.0.0

INTERIOR PARTITION - NOT RATED
- BACKER BD PANELS ON EA SIDE
- (2) 3 5/8" STL STUDS
- (2) 3 " SOUND ATTENUATION BLANKET BTWN STUDS
- TOP OF WALL TERMINATES AT B.O. DECK

(APPROX. STC/NIC RATING N/A)



M8.0.0

INTERIOR CMU INFILL WALL-NOT RATED
- GYP BD PANELS ON ONE SIDE & 5/8 CEMENT BOARD AT RESTROOM SIDE.
- 8" CMU WYTHE TO MATCH EXIST
- 1 5/8" STL HAT CHANNEL @ 16" O.C. MAX
- TOP OF WALL TERMINATES AT B.O. DECK

(APPROX. STC/NIC RATING N/A)

F2.0.0

INTERIOR FURRING WALL - NOT RATED
- GYP BD PANELS ON ONE SIDE 1 1/2" FURRING CHANNEL @ 16" O.C. MAX
- TOP OF WALL TERMINATES AT B.O. DECK
- UTILIZE DEEPER FURRING WHERE NEEDED TO ALIGN TO DIMENSIONS SHOWN ON PLAN

(APPROX. STC/NIC RATING N/A)

F4.0.0

INTERIOR FURRING WALL - NOT RATED
- IMPACT RESISTANT GYP BD PANELS ON ONE SIDE
- 3 5/8" STL STUDS
- TOP OF WALL TERMINATES AT B.O. DECK
- UTILIZE DEEPER FURRING WHERE NEEDED TO ALIGN TO DIMENSIONS SHOWN ON PLAN

(APPROX. STC/NIC RATING N/A)

F6.0.0

INTERIOR FURRING WALL - NOT RATED
- IMPACT RESISTANT GYP BD PANELS ON ONE SIDE 6" STL STUDS
- TOP OF WALL TERMINATES AT B.O. DECK
- UTILIZE DEEPER FURRING WHERE NEEDED TO ALIGN TO DIMENSIONS SHOWN ON PLAN

(APPROX. STC/NIC RATING N/A)

C8.1.0

INTERIOR CONCRETE VAULT WALL-1 HOUR RATED
- POURED IN PLACE CONC. WALL. -SEE STRUC.

(APPROX. STC/NIC RATING N/A)

HX.0.0

INTERIOR SECURITY FENCING (PARTITIONS AND GATES)
- STL. TUBE FRAMING AND BRACING
- WIRE MESH INFILL
- GALV.

1 WALL TYPES
3/4" = 1'-0"

S6.0.58.A.b
- WALL CORE TYPE
- WALL CORE NOMINAL SIZE
- WALL FIRE RATING (HOURS)
- WALL STC RATING
- MINOR VARIATIONS

CORE TYPES:		NOMINAL CORE SIZES:		WALL FIRE RATING:		STC RATING:
C:	CONCRETE	1:	1" NOM. (5/8" ACTUAL)	5:	1/2 HOUR RATING	48-65
F:	FURRING	2:	2" NOM. (1 5/8" ACTUAL)	1:	ONE HOUR RATING	
H:	HYBRID	4:	4" NOM. (3 5/8"OR 3 5/8" ACTUAL)	2:	TWO HOUR RATING	
M:	MASONRY	6:	6" NOM. (6" OR 5 5/8" ACTUAL)	3:	THREE HOUR RATING	
S:	MTL STUD	8:	8" NOM. (7 5/8"ACTUAL)	4:	FOUR HOUR RATING	
W:	WOOD STUD					
SBDL:	MTL. DOUBLE STUD					

ADD "P" BEHIND CORE TYPE FOR PLUMBING WALLS

GENERAL MASONRY PARTITION NOTES:

1. PROVIDE HORIZONTAL REINFORCING @ 16" O.C. MAX VERTICAL TYPICAL AT ALL CMU WALLS.
2. FOR CMU WALLS TO DECK OVER 10'-8" HIGH & NOT INTERSECTED BY PERPENDICULAR CMU WALLS FOR MORE THAN 8'-0", PROVIDE CONT. VERTICAL REINFORCING BY FILLING 8" CMU W/ CONC. & CONT. #4 REINF. BAR @ 4'-8" O.C. MAX. TYP.
3. SEE STRUCTURAL DRAWINGS FOR BEARING AND SHEAR WALLS.
4. SEAL ALL PENETRATIONS IN FIRE RATED WALLS AGAINST THE PASSAGE OF SMOKE.
5. VERIFY ALL FIRE-RATED CONSTRUCTION REQUIREMENTS PRIOR TO CONSTRUCTION.
6. PROTECT ALL PENETRATIONS THROUGH RATED WALLS WITH THROUGH-PENETRATION FIRESTOP SYSTEMS WHICH HAVE BEEN TESTED AND LISTED BY UNDERWRITERS LABORATORY OR FACTORY MUTUAL.

GENERAL INTERIOR STUD PARTITION NOTES:

ALL METAL STUDS SHALL BE 20GA MINIMUM OR 20GA EQUIVALENT UNLESS OTHERWISE NOTED.

1. ALL METAL STUDS SHALL BE SPACED 16"O.C. UNLESS OTHERWISE NOTED.
2. ALL METAL STUDS SHALL HAVE ONE LAYER OF GYPSUM BOARD ON EACH SIDE OF STUD UNLESS OTHERWISE NOTED.
3. ALL GYPSUM BOARD SHALL BE 5/8" THICK UNLESS OTHERWISE NOTED.
4. ALL GYPSUM BOARD ON WALLS, SHALL TERMINATE AT THE UNDERSIDE OF GYPSUM BOARD CEILINGS AND MINIMUM OF 6" ABOVE OTHER TYPE CEILINGS, WHERE CEILINGS DO NOT OCCUR, GYPSUM BOARD SHALL EXTEND TO THE STRUCTURE ABOVE.
5. WATER-RESISTANT GYPSUM SUBSTRATE SHALL BE USED AT ALL EXTERIOR WALLS, TOILET ROOMS AND JANITOR'S CLOSETS..
6. CEMENT BOARD SHALL BE USED IN ALL WET LOCATIONS BEHIND TUBS, SHOWERS, TOILETS, LAVATORIES, FOOD PREP AREAS AND AREAS RECIEVING A CERAMIC TILE FINISH, UNLESS ANOTHER BACKING MATERIAL IS SHOWN.
7. VERIFY ALL FIRE-RATED CONSTRUCTION REQUIREMENTS TO MEET RATING AGENCY ASSEMBLY PRIOR TO CONSTRUCTION.
8. SEE STRUCTURAL DRAWINGS FOR BEARING AND SHEAR WALLS.
9. SEAL ALL PENETRATIONS IN SMOKE PARTITION WALLS AGAINST THE PASSAGE OF SMOKE.
10. INSTALL ALL PENETRATIONS THROUGH RATED WALLS WITH THROUGH-PENETRATION FIRESTOP SYSTEMS WHICH HAVE BEEN TESTED AND LISTED BY UNDERWRITERS LABORATORY OR FACTORY MUTUAL.
11. PROVIDE SOLID WOOD BLOCKING AT ALL GRAB BARS, FIXTURE CARRIERS AND WALL-MOUNTED A/V EQUIPMENT LOCATIONS.
12. EXPOSED GYPSUM BOARD FINISHED WALLS ARE TO RECEIVE A LEVEL 4 FINISH UNLESS OTHERWISE NOTED..
13. PROVIDE HORIZONTAL LATERAL BRIDGING IN WALL STUDS PER STUD MANUF RECOMMENDATIONS AND AISI SPECIFICATION FOR THE DESIGN OF COLD-FORM STEEL STRUCTURAL MEMBERS
14. SEE FINISH SCHEDULE FOR EXTENT OF IMPACT RESISTANT GYPSUM BOARD.

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SEPTEMBER 27, 2023

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ANNE MARIE DECKER
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STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

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DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
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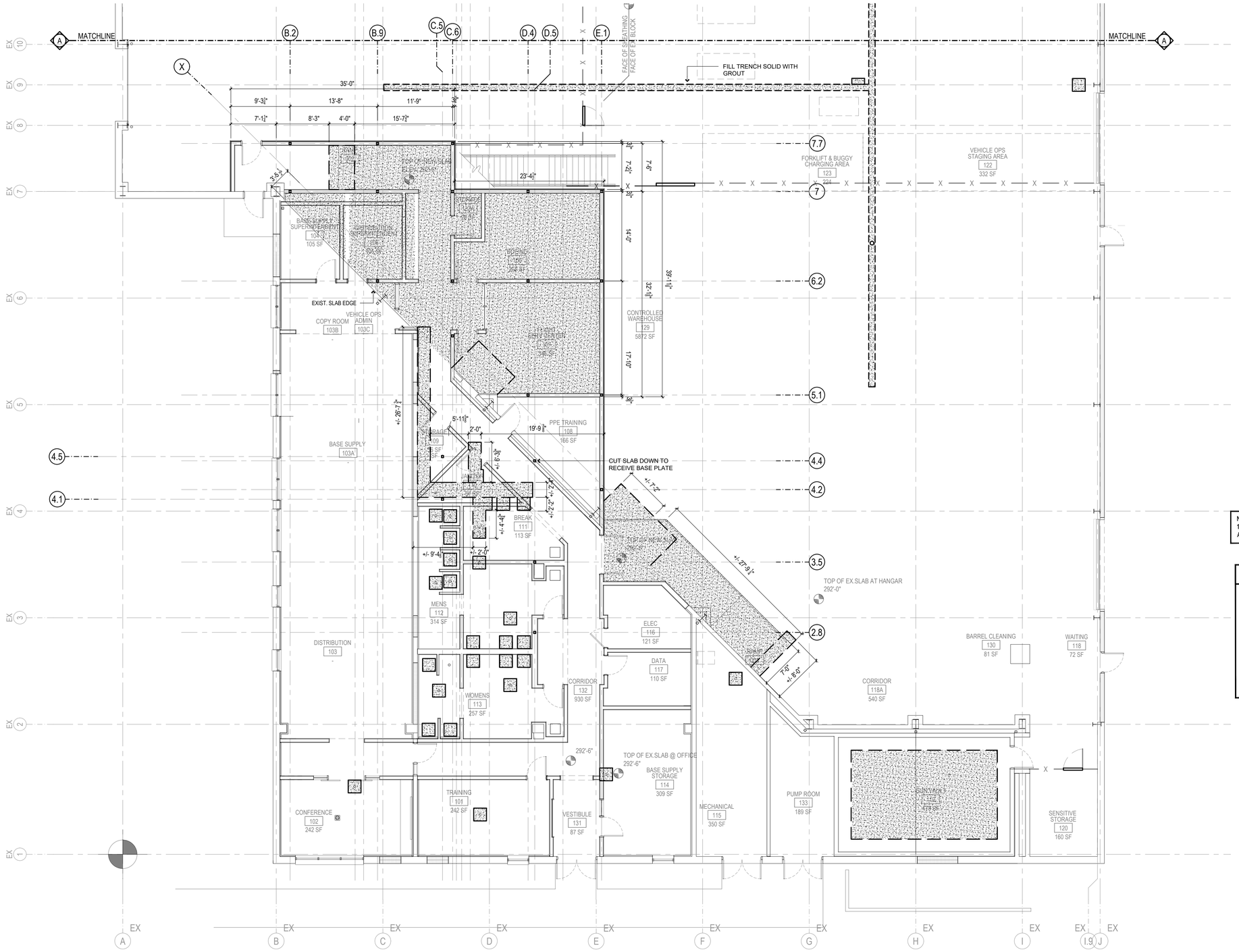
DRAWING TITLE

WALL TYPES

SHEET NUMBER

A0.1



1 SLAB EDGE @ NEW SLAB - AREA A
1/8"=1'-0"

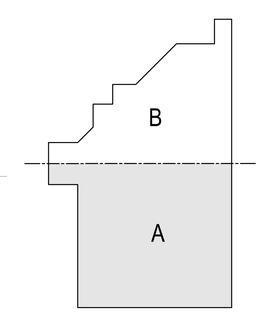
NOTE:
1) GROUT FILL ALL BOLT HOLES LEFT FROM BOLLARD AND GUARD REMOVAL

SLAB EDGE PLAN LEGEND

SAWCUT EXIST. SLAB AS REQ'D TO ACCOMMODATE NEW CONST.

NEW CONCRETE SLAB

COORDINATE CUTS AND NEW SLAB AREAS WITH NEW CONSTRUCTION.



0 1" 2" 3" 6" 1'6"

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SEAL:

ROY T. DECKER REGISTERED ARCHITECT 2879 MISSISSIPPI

SEPTEMBER 27, 2023

ANNE MARIE DECKER REGISTERED ARCHITECT 3044 JACKSON, MS STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

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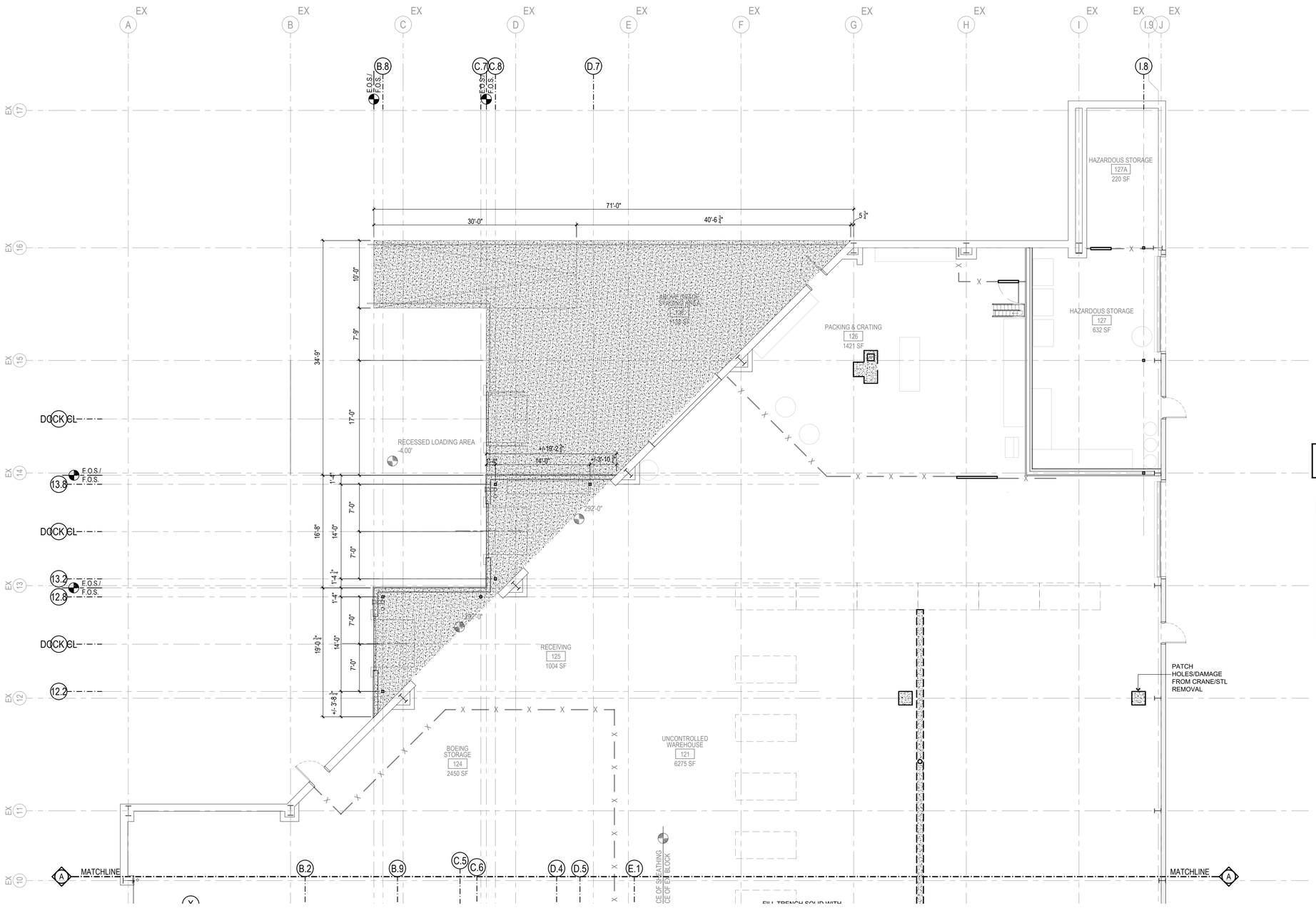
SLAB EDGE PLAN

SHEET NUMBER

A0.2A



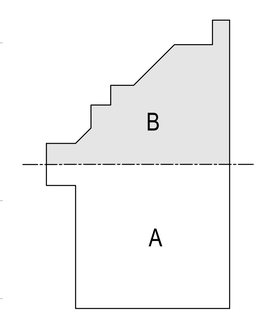
NOTE:
1) GROUT FILL ALL BOLT HOLES LEFT FROM BOLLARD AND GUARD REMOVAL

SLAB EDGE PLAN LEGEND

SAWCUT EXIST. SLAB AS REQ'D TO ACCOMMODATE NEW CONST.

NEW CONCRETE SLAB

COORDINATE CUTS AND NEW SLAB AREAS WITH NEW CONSTRUCTION.



1 SLAB EDGE @ NEW SLAB - AREA B
1/8"=1'-0"

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172ND AIRLIFT WING
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DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

ROY T. DECKER REGISTERED ARCHITECT 2879 MISSISSIPPI

SEPTEMBER 27, 2023

ANNE MARIE DECKER REGISTERED ARCHITECT 3044 JACKSON, MS STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

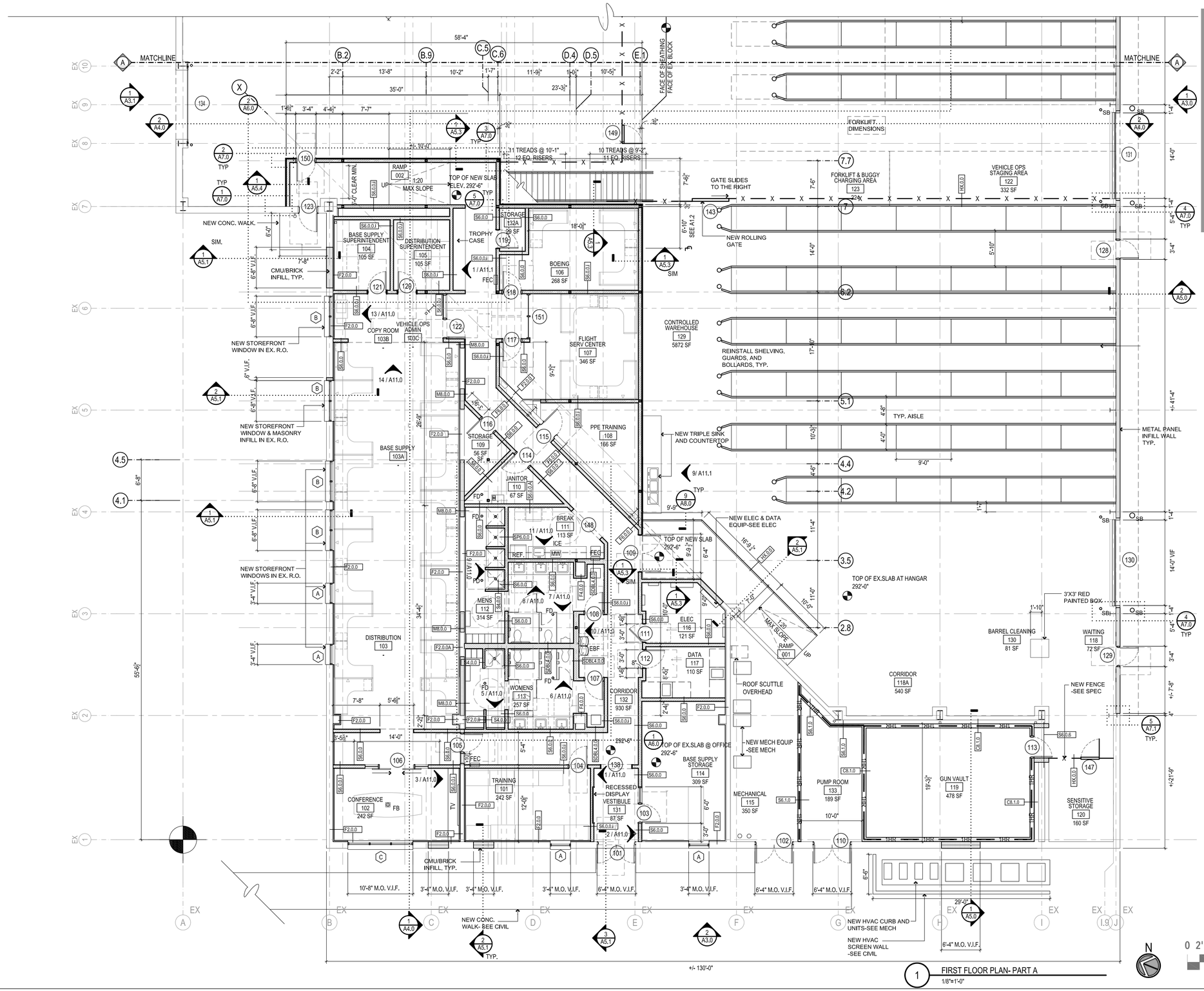
DRAWN BY: MCH	SCALE: NA
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

SLAB EDGE PLAN

SHEET NUMBER

A0.2B



1 FIRST FLOOR PLAN- PART A
1/8"=1'-0"

GENERAL NOTES

LRXQ172402

NO.	NOTE
1	ALL WORK SHALL MEET OR EXCEED ALL APPLICABLE CODE REQUIREMENTS.
2	CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE ON-SITE CONDITIONS AND PERFORM ALL NECESSARY WORK TO COMPLETE THE PROJECT.
3	DO NOT SCALE DRAWINGS FOR DIMENSIONS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH AFFECTED WORK.
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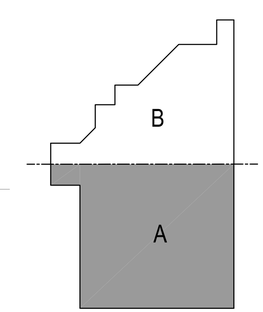
6	THE DIMENSIONS FOR AREAS TO RECEIVE PREMANUFACTURED SYSTEMS INCLUDING BUT NOT LIMITED TO MILLWORK, CURTAIN WALL, STOREFRONT, WINDOWS, AND DOORS SHALL BE FIELD VERIFIED BEFORE UNIT FABRICATION & INSTALLATION.
7	MAINTAIN ADEQUATE EGRESS AT ALL TIMES & PROVIDE SIGNAGE AS REQUIRED.
8	TYPICAL MATERIAL NOTES ARE GENERALLY NOTED ONLY ONCE PER SHEET OR DRAWING TYPE. THESE NOTES ARE TYPICAL FOR SIMILAR CONDITIONS AND WILL NOT BE NOTED IN EVERY LOCATION OR DETAIL.
9	ALL ELECTRICAL CONDUITS SHALL BE CONCEALED IN ALL LOCATIONS WITH NEW CEILINGS AND NEW WALLS AND/OR NEW FURRING OVER EXISTING WALLS. CONDUITS SHOULD BE CONCEALED IN ALL NEW WALLS INCLUDING PARTITIONS, CONCRETE, OR CMU. SOME CONDUITS WILL HAVE TO BE EXPOSED IN THE WAREHOUSE SPACE, BUT ALL EFFORTS SHOULD BE MADE TO LIMIT EXPOSED CONDUITS THAT WILL SERVE THE WAREHOUSE BY RUNNING IN NEW CEILINGS WHERE POSSIBLE. EXPOSED CONDUITS IN THE WAREHOUSE SPACE SHALL BE RUN IN ORDERLY AND ALIGNED ARRANGEMENTS. THERE SHALL BE NO EXPOSED CONDUITS ON EXTERIOR WALLS.

FLOOR PLAN LEGEND

- NEW EXTERIOR WALL-SEE WALL SECTIONS
- EXISTING WALL TO REMAIN - SHOWN LIGHT GRAY W/ NO HATCH
- NEW POURED IN PLACE CONCRETE WALL - SEE STRUCT.
- NEW CMU PARTITION - SEE WALL TYPES
- NEW STUD PARTITION - SEE WALL TYPES
- NEW EXTERIOR MTL PANEL INFILL WALL -SEE WALL SECTIONS
- NEW WINDOW - SEE SPEC
- 1 HR FIRE RATING - SEE WALL TYPES
- INTERIOR SECURITY FENCING SYSTEM (PARTITIONS AND GATES) -SEE WALL TYPES
- F1.0.0 — WALL TYPES - SEE A0.0
- EDF — ELECTRIC DRINKING FOUNTAIN - SEE MECH
- FEC — FIRE EXTINGUISHER W/ CABINET
- 205 — NEW DOOR W/ TAG - SEE DOOR SCHEDULE
- FD — NEW FLOOR DRAIN - SEE PLUMBING
- RD — NEW ROOF DRAIN
- OD — NEW OVERFLOW DRAIN
- DS — NEW DOWNSPOUT
- SB — NEW SAFETY BOLLARD
- NEW PLUMBING FIXTURES - SEE PLUMBING
- FURNITURE - N.I.C.



N

0 2' 4' 8' 16' 30'

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RENOVATE BASE SUPPLY WAREHOUSE B180

MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

ROY T. DECKER
REGISTERED ARCHITECT
2879
MISSISSIPPI

SEPTEMBER 27, 2023

REGISTERED ARCHITECT
ANNE MARIE DECKER
3044
JACKSON, MS
STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

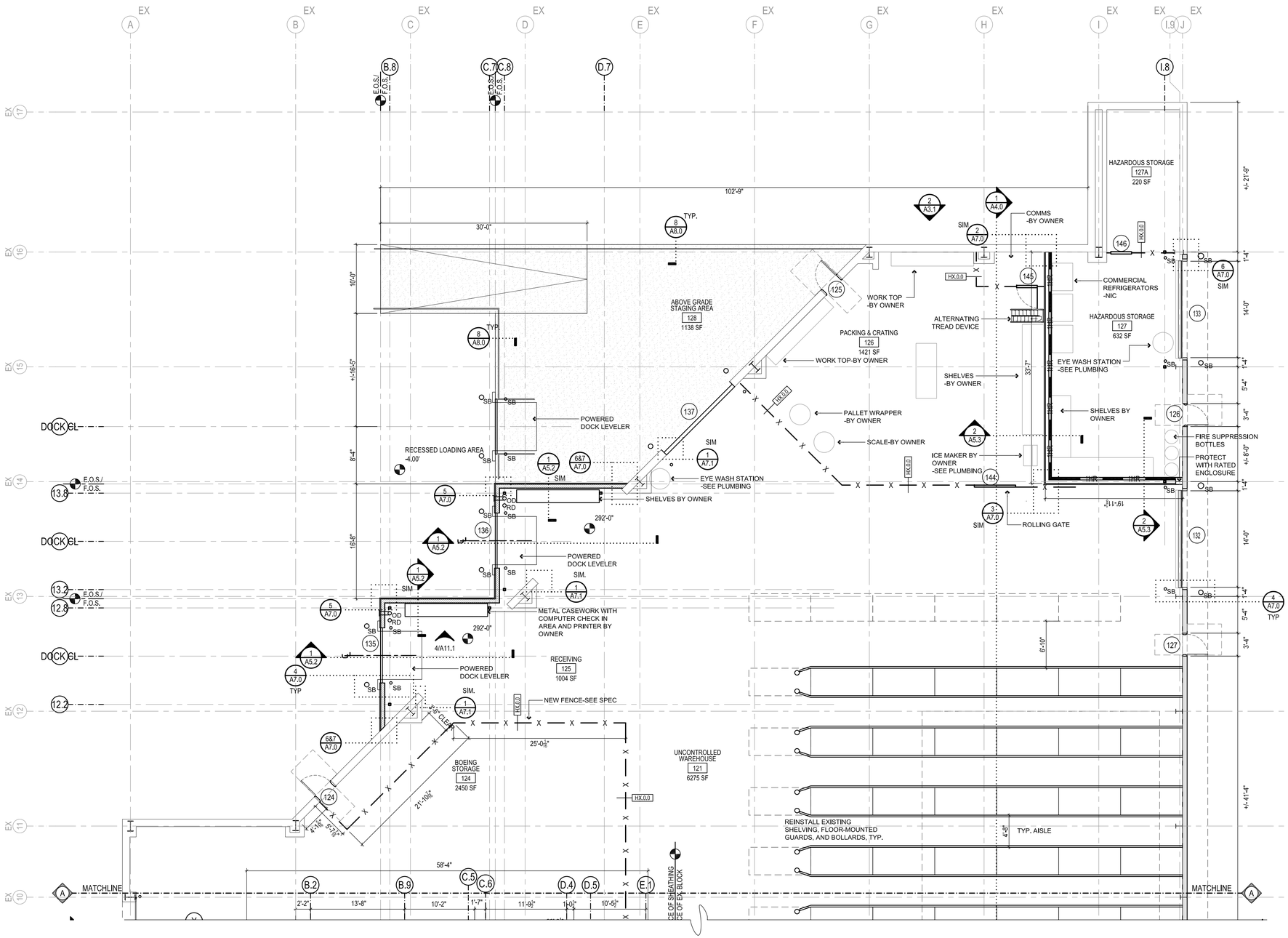
DRAWN BY: MCH	SCALE: NA
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

FIRST FLOOR PLAN-AREA A

SHEET NUMBER

A1.1A



1 FIRST FLOOR PLAN- PART B
1/8"=1'-0"

GENERAL NOTES

LRXD172402

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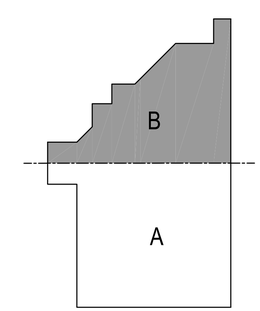

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SEPTEMBER 27, 2023

ANNE MARIE DECKER REGISTERED ARCHITECT 3044 JACKSON, MS STATE OF MISSISSIPPI
SEPTEMBER 27, 2023

DRAWN BY: MCH	SCALE: NA
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
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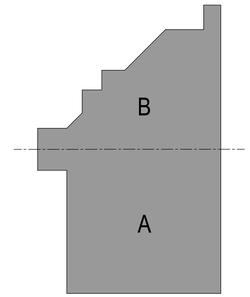
DRAWING TITLE

FIRST FLOOR PLAN
-AREA B

SHEET NUMBER

A1.1B



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LRXQ172402

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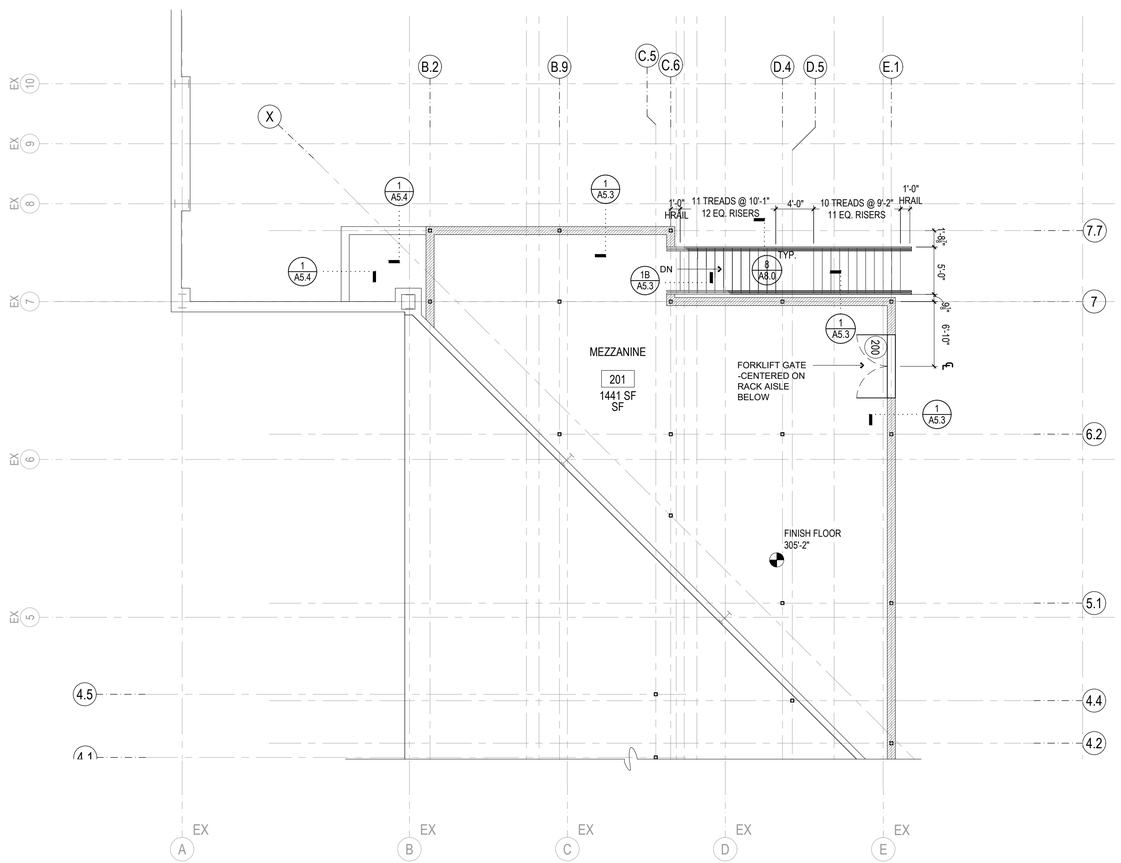
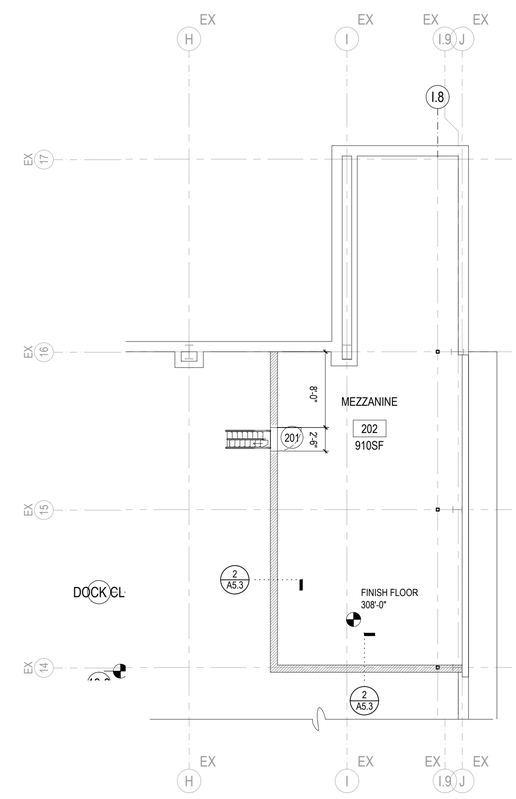


1 MEZZANINE 1 FLOOR PLAN - AREA A
1/8"=1'-0"



2 MEZZANINE 2 FLOOR PLAN - AREA B
1/8"=1'-0"

N

0 2' 4' 8' 16' 30'

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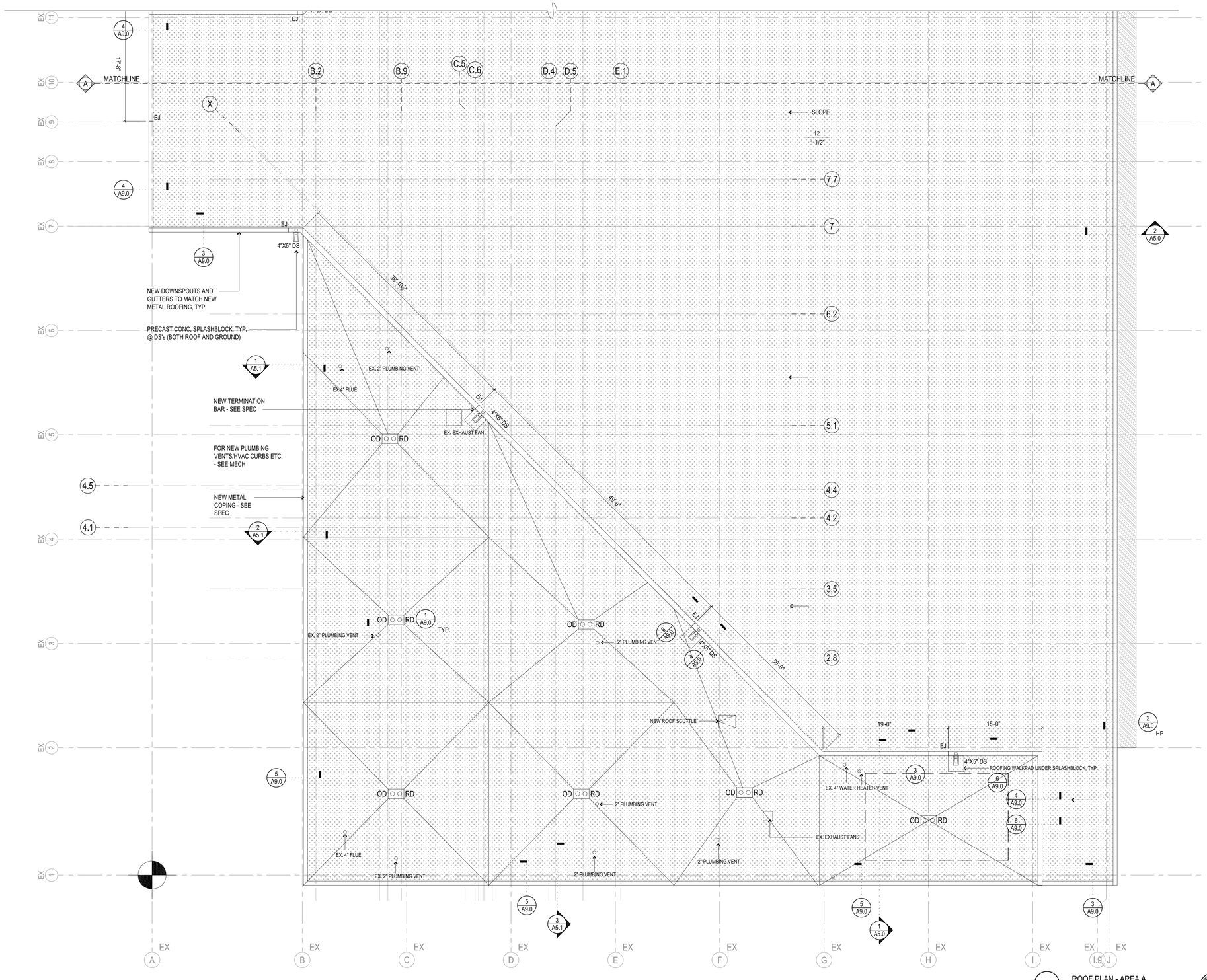
DRAWING TITLE

MEZZANINE
FLOOR PLANS

SHEET NUMBER

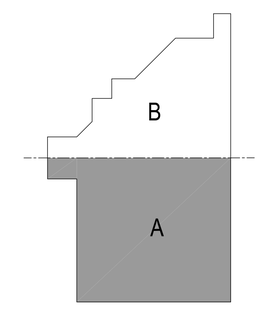
A1.2



1 ROOF PLAN - AREA A
1/8"=1'-0"

ROOF PLAN LEGEND

	NEW T.P.O. ROOFING - SEE SPEC
	EXISTING ROOF TO BE REPAIRED - SEE SPEC
DS	DOWNSPOUT
RD OD	ROOF DRAIN / OVERFLOW DRAIN
VTR	NEW VENT THROUGH ROOF - SEE MECH
DS	6" DOWNSPOUT W/ CONC. SPLASH BLOCK



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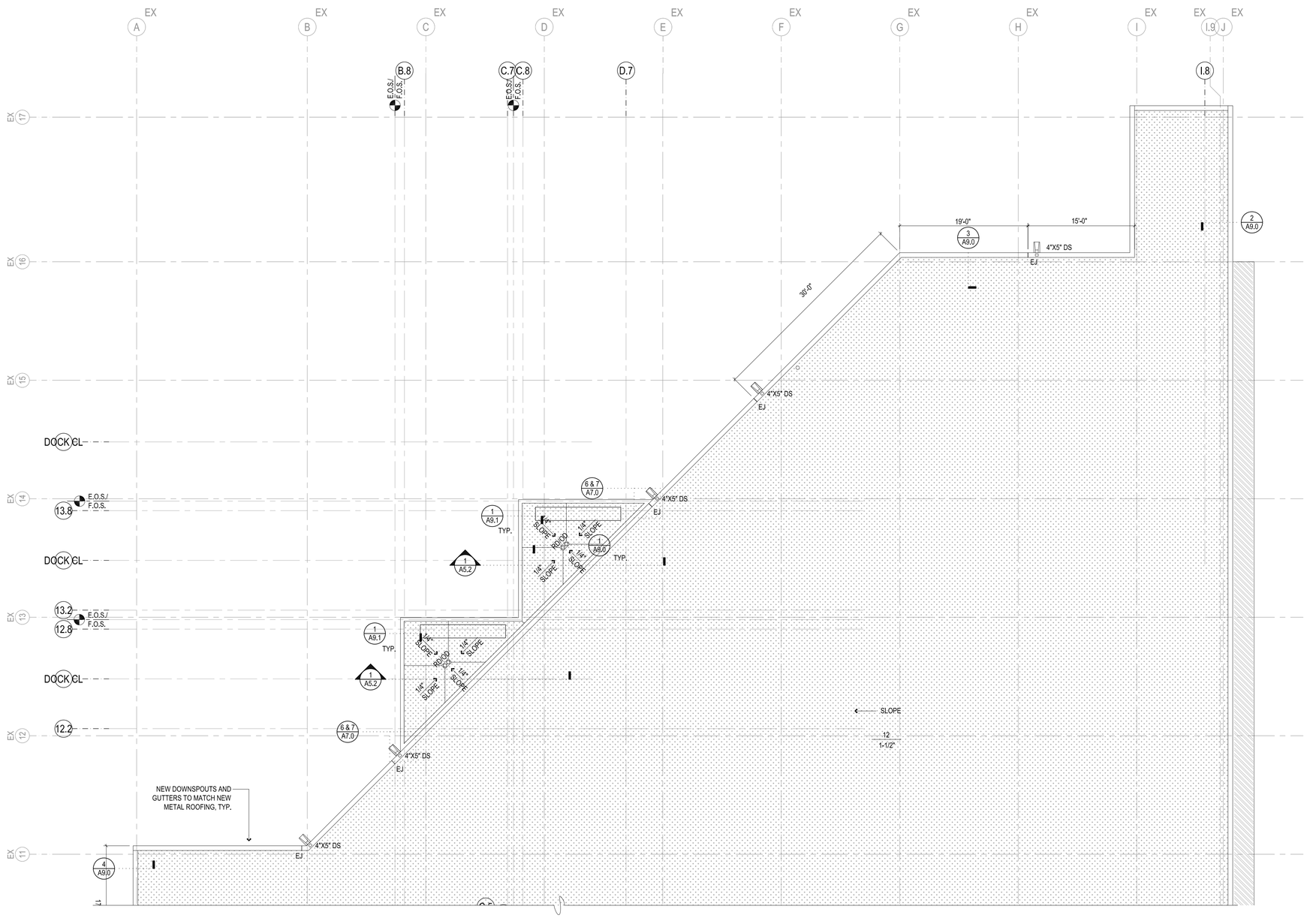
PARTIAL ROOF PLAN

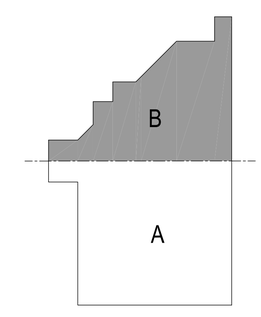
SHEET NUMBER

A1.3A



ROOF PLAN LEGEND

	NEW T.P.O. ROOFING - SEE SPEC
	EXISTING ROOF TO BE REPAIRED - SEE SPEC
DS	DOWNSPOUT
RD OD	ROOF DRAIN / OVERFLOW DRAIN
VTR	NEW VENT THROUGH ROOF - SEE MECH
DS	6" DOWNSPOUT W/ CONC. SPLASH BLOCK



1 ROOF PLAN - AREA B
1/8"=1'-0"

N

0 2' 4' 8' 16' 30'

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DRAWING TITLE

PARTIAL
ROOF PLAN

SHEET NUMBER

A1.3B

FINISH SCHEDULE

1807 B180 RENOVATION

FIRST

ROOM		FLOOR		BASE & TRIM		WALLS		CEILING			
NO.	NAME	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	DROPPED HGTS.	REMARKS
101	TRAINING	CARPET 1		VINYL		GYP BD	PTD	ACT		SEE RCP	
102	CONFERENCE	CARPET 1		VINYL		GYP BD	PTD	ACT		SEE RCP	
103	DISTRIBUTION	CARPET 1		VINYL		GYP BD	PTD	ACT		SEE RCP	
103A	BASE SUPPLY	CARPET 1		VINYL		GYP BD	PTD	ACT		SEE RCP	
103B	COPY ROOM	CARPET 1		VINYL		GYP BD	PTD	GYP BD	PTD	SEE RCP	
103C	VEHICLE OPS	CARPET 1		VINYL		GYP BD	PTD	GYP BD	PTD	SEE RCP	
104	BASE SUPPLY SUPERINTENDENT	CARPET 1		VINYL		GYP BD	PTD	ACT		SEE RCP	
105	DISTRIBUTION SUPERINTENDENT	CARPET 1		VINYL		GYP BD	PTD	ACT		SEE RCP	
106	BOEING	LVT		VINYL		GYP BD	PTD	ACT		SEE RCP	
107	FLIGHT SERVICE CENTER	CARPET 1		VINYL		GYP BD	PTD	ACT/ GYP	PTD	SEE RCP	
108	PPE TRAINING	LVT		VINYL		GYP BD	PTD	ACT		SEE RCP	
109	STORAGE	NEW CONC.	SEALED	VINYL		H.I. GYP BD	PTD	EXPOSED STRUC.	PTD	SEE RCP	PAINT EXISTING STRUCTURE DECK WITH WHITE DRYFALL PAINT-SEE SPEC PROVIDE CORNER GUARDS @ ALL OUTSIDE GYP BD CORNERS IN THIS ROOM
110	JANITOR	NEW CONC	SEALED	VINYL		H.I. GYP BD	PTD	EXPOSED STRUC.	PTD	SEE RCP	PAINT EXISTING STRUCTURE DECK WITH WHITE DRYFALL PAINT-SEE SPEC PROVIDE CORNER GUARDS @ ALL OUTSIDE GYP BD CORNERS IN THIS ROOM
111	BREAK	LVT		VINYL		GYP BD/ TILE	PTD/	ACT		SEE RCP	
112	MENS	TILE		TILE		GYP BD/ TILE	PTD/	GYP BD	PTD	SEE RCP	
113	WOMENS	TILE		TILE		GYP BD/ TILE	PTD	GYP BD	PTD	SEE RCP	
114	BASE SUPPLY STORAGE	LVT		VINYL		H.I. GYP BD	PTD	ACT		SEE RCP	PROVIDE CORNER GUARDS @ ALL OUTSIDE GYP BD CORNERS IN THIS ROOM
115	MECHANICAL	EX CONC.	POLISHED	VINYL		GYP BD	PTD	EXPOSED STRUC.	PTD	SEE RCP	PAINT EXISTING STRUCTURE DECK WITH WHITE DRYFALL PAINT-SEE SPEC
116	ELECTRICAL	LVT		VINYL		GYP BD	PTD	EXPOSED STRUC.	PTD	SEE RCP	PAINT EXISTING STRUCTURE DECK WITH WHITE DRYFALL PAINT-SEE SPEC
117	DATA	LVT		VINYL		GYP BD	PTD	EXPOSED STRUC.	PTD	SEE RCP	PAINT EXISTING STRUCTURE DECK WITH WHITE DRYFALL PAINT-SEE SPEC
118	WAITING	EX CONC.	POLISHED			EX CMU/ EX MTL PANEL	PTD PTD	EXPOSED STRUC.	PTD	SEE RCP	PAINT EXISTING STRUCTURE DECK WITH WHITE DRYFALL PAINT-SEE SPEC
118A	CORRIDOR	EX CONC/ NEW CONC.	POLISHED	VINYL						SEE RCP	
119	GUN VAULT	NEW CONC.	POLISHED			CONC.	SEALED	CONC.	SEALED	SEE RCP	
120	SENSITIVE STORAGE	EX CONC.	POLISHED			EX CMU/ EX MTL PANEL	PTD PTD	EXPOSED STRUC.	PTD	SEE RCP	PAINT EXISTING STRUCTURE DECK WITH WHITE DRYFALL PAINT-SEE SPEC
121	UNCONTROLLED WAREHOUSE	EX CONC.	POLISHED	VINYL		EX CMU/ EX MTL PANEL	PTD PTD	EXPOSED STRUC.	PTD	SEE RCP	PAINT EXISTING STRUCTURE DECK WITH WHITE DRYFALL PAINT-SEE SPEC
122	VEHICLE OPS STAGING	EX CONC.	POLISHED			EX CMU/ EX MTL PANEL	PTD PTD	EXPOSED STRUC.	PTD	SEE RCP	PAINT EXISTING STRUCTURE DECK WITH WHITE DRYFALL PAINT-SEE SPEC
123	FORKLIFT & BUGGY CHARGING STATION	EX CONC.	POLISHED			EX CMU/ EX MTL PANEL	PTD PTD	EXPOSED STRUC.	PTD	SEE RCP	PAINT EXISTING STRUCTURE DECK WITH WHITE DRYFALL PAINT-SEE SPEC
124	BOEING STORAGE	EX CONC.	POLISHED			EX CMU/ EX MTL PANEL	PTD PTD	EXPOSED STRUC.	PTD	SEE RCP	PAINT EXISTING STRUCTURE DECK WITH WHITE DRYFALL PAINT-SEE SPEC
125	RECEIVING	EX CONC. NEW CONC	POLISHED	VINYL		MTL		EXPOSED STRUC.	PTD	SEE RCP	PAINT EXISTING STRUCTURE DECK WITH WHITE DRYFALL PAINT-SEE SPEC
126	PACKING AND CRATING	EX CONC.	POLISHED			EX CMU/ EX MTL PANEL	PTD PTD	EXPOSED STRUC.	PTD	SEE RCP	PAINT EXISTING STRUCTURE DECK WITH WHITE DRYFALL PAINT-SEE SPEC
127	HAZARDOUS STORAGE	EX CONC.	POLISHED	VINYL		MTL		EXPOSED STRUC.	PTD	SEE RCP	PAINT EXISTING STRUCTURE DECK WITH WHITE DRYFALL PAINT-SEE SPEC
127A	HAZARDOUS STORAGE	EX CONC.	POLISHED	VINYL				EXPOSED STRUC.	PTD	SEE RCP	PAINT EXISTING STRUCTURE DECK WITH WHITE DRYFALL PAINT-SEE SPEC
128	ABOVE GRADE STAGING AREA	EXTERIOR								SEE RCP	
129	CONTROLLED WAREHOUSE	EX CONC.	POLISHED			EX CMU/ EX MTL PANEL	PTD PTD	EXPOSED STRUC.	PTD	SEE RCP	PAINT EXISTING STRUCTURE DECK WITH WHITE DRYFALL PAINT-SEE SPEC
130	BARREL CLEANING	EX CONC.	POLISHED			EX CMU/ EX MTL PANEL	PTD PTD	EXPOSED STRUC.	PTD	SEE RCP	PAINT EXISTING STRUCTURE DECK WITH WHITE DRYFALL PAINT-SEE SPEC
131	VESTIBULE	LVT		VINYL		H.I. GYP BD	PTD	GYP BD	PTD	SEE RCP	PROVIDE CORNER GUARDS @ ALL OUTSIDE GYP BD CORNERS IN THIS ROOM
132	CORRIDOR	LVT		VINYL		H.I. GYP BD	PTD	GYP BD/ LAT	PTD	SEE RCP	PROVIDE CORNER GUARDS @ ALL OUTSIDE GYP BD CORNERS IN THIS ROOM
132A	STORAGE	LVT		VINYL		H.I. GYP BD	PTD	ACT		SEE RCP	PROVIDE CORNER GUARDS @ ALL OUTSIDE GYP BD CORNERS IN THIS ROOM
133	PUMP ROOM	EX CONC.	POLISHED			GYP BD	PTD	EXPOSED STRUC.	PTD	SEE RCP	PAINT EXISTING STRUCTURE DECK WITH WHITE DRYFALL PAINT-SEE SPEC

MEZZANINE

201	MEZZANINE	SHEET VINYL		VINYL		EX CMU/ EX MTL PANEL	PTD PTD	EXPOSED STRUC.	PTD	SEE RCP	PAINT EXISTING STRUCTURE DECK WITH WHITE DRYFALL PAINT-SEE SPEC
202	MEZZANINE	SHEET VINYL		VINYL		EX CMU/ EX MTL PANEL	PTD PTD	EXPOSED STRUC.	PTD	SEE RCP	PAINT EXISTING STRUCTURE DECK WITH WHITE DRYFALL PAINT-SEE SPEC
NO.	NAME	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	DROPPED HGTS.	REMARKS
ROOM		FLOOR		BASE & TRIM		WALLS		CEILING			

NOTES:

1. H.I. GYP BD REFERS TO HIGH IMPACT GYPSUM BOARD - SEE SPEC.
2. PAINT ALL EXPOSED STRUCTURE, INCLUDING EXPOSED CEILING STRUCTURE.

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PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

ROY T. DECKER REGISTERED ARCHITECT 2879 MISSISSIPPI

SEPTEMBER 27, 2023

REGISTERED ARCHITECT ANNE MARIE DECKER 3044 JACKSON, MS STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

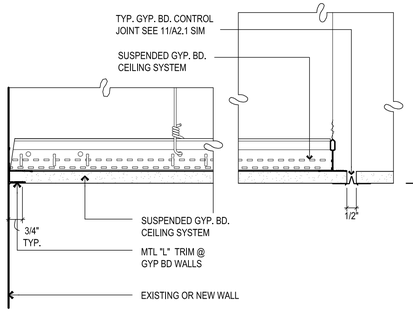
DRAWN BY: MCH	SCALE: NA
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

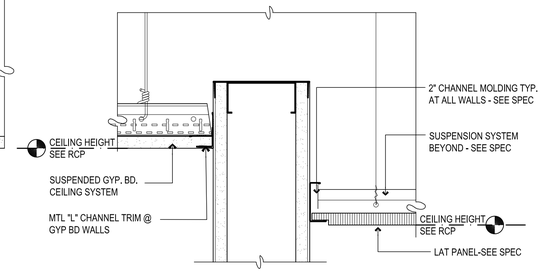
FINISH SCHEDULE

SHEET NUMBER

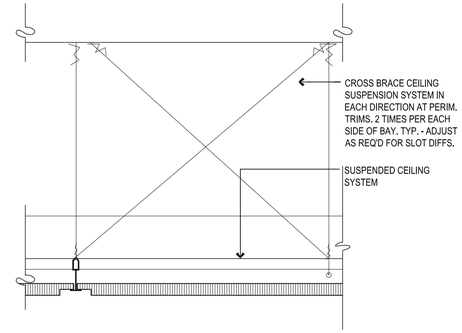
A2.0



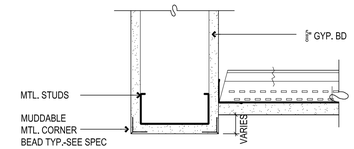
1 TYP.GYP BD CEILING TO WALL DETAIL
3"=1'-0"



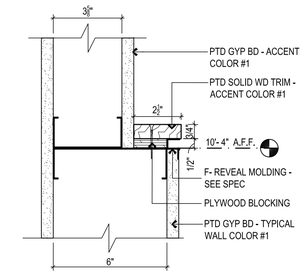
2 TYP LAT & GYP BD CEILING TO WALL DETAIL
3"=1'-0"



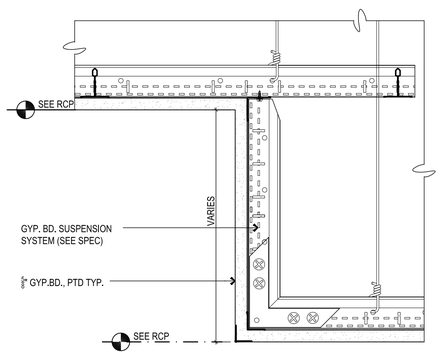
3 TYP. BRACING @ LAT CEILING DETAIL
3"=1'-0"



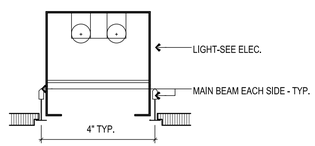
4 TYP. HEADER DETAIL
3"=1'-0"



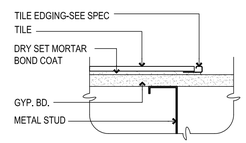
5 TYP. INTERIOR LEDGE DETAIL
3"=1'-0"



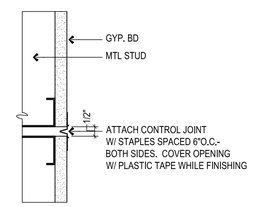
6 TYP. GYP BD FURRDOWN DETAIL
3"=1'-0"



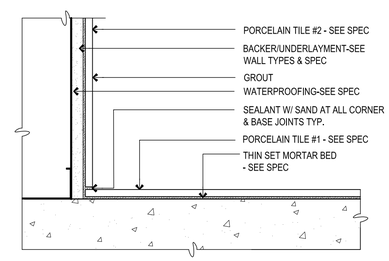
7 TYP. LIGHT @ LAT CEILING DETAIL - SEE ELEC.
3"=1'-0"



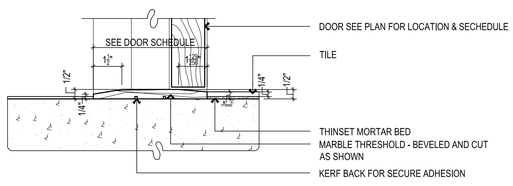
8 TYP. TILE TO GYP BD TRANSITION @ VERTICAL SURFACE
3"=1'-0"



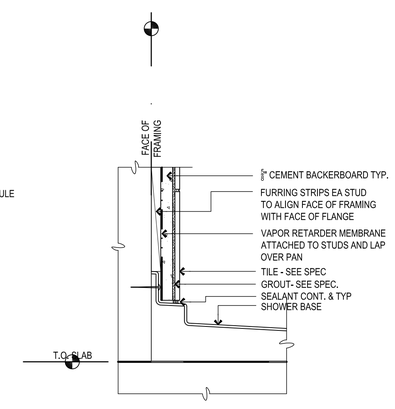
9 TYP. GYP BD CONTROL JOINT @ WALL
3"=1'-0"



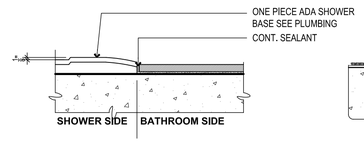
10 TYP. BASE INSIDE CORNERS @ TILE
3"=1'-0"



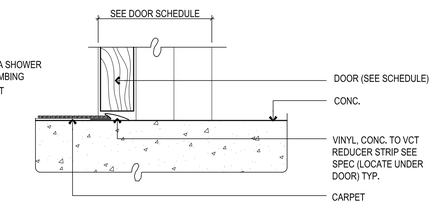
11 TYP. MARBLE THRESHOLD DETAIL @ RESTROOM
3"=1'-0"



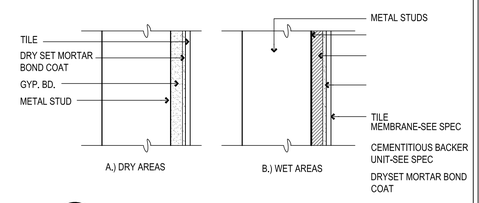
12 TYP. SHOWER BASE TO CT TRANSITION DETAIL
3"=1'-0"



13 TYP. SHOWER BASE TRANSITION @ ADA SHOWER ONLY
3"=1'-0"



14 TYP. CARPET TO FLOOR FINISH DETAIL
3"=1'-0"



15 TYP. WALL TILE DETAILS
3"=1'-0"

0 1" 2" 3" 6" 1'6"

NOTE:
1)SEE OTHER DETAILS FOR TYPICAL ASSEMBLY NOTES. THESE NOTES ARE NOT REPEATED ON SUBSEQUENT SHEETS
2) TYPICAL NOTES ARE NOT REPEATED FOR SIMILAR ASSEMBLIES, ITEMS, AND/OR DETAILS THAT OCCUR IN MULTIPLE LOCATIONS

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PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

ROY T. DECKER REGISTERED ARCHITECT 2879 MISSISSIPPI

SEPTEMBER 27, 2023

ANNE MARIE DECKER REGISTERED ARCHITECT 3044 JACKSON, MS STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

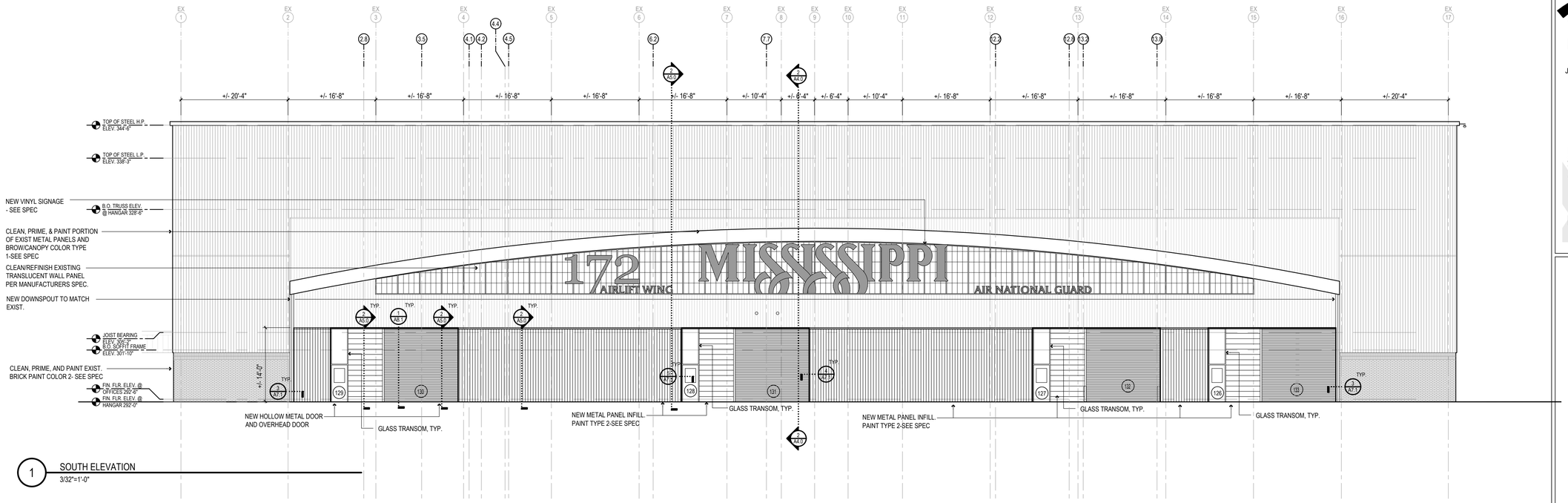
DRAWN BY: MCH	SCALE: NA
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

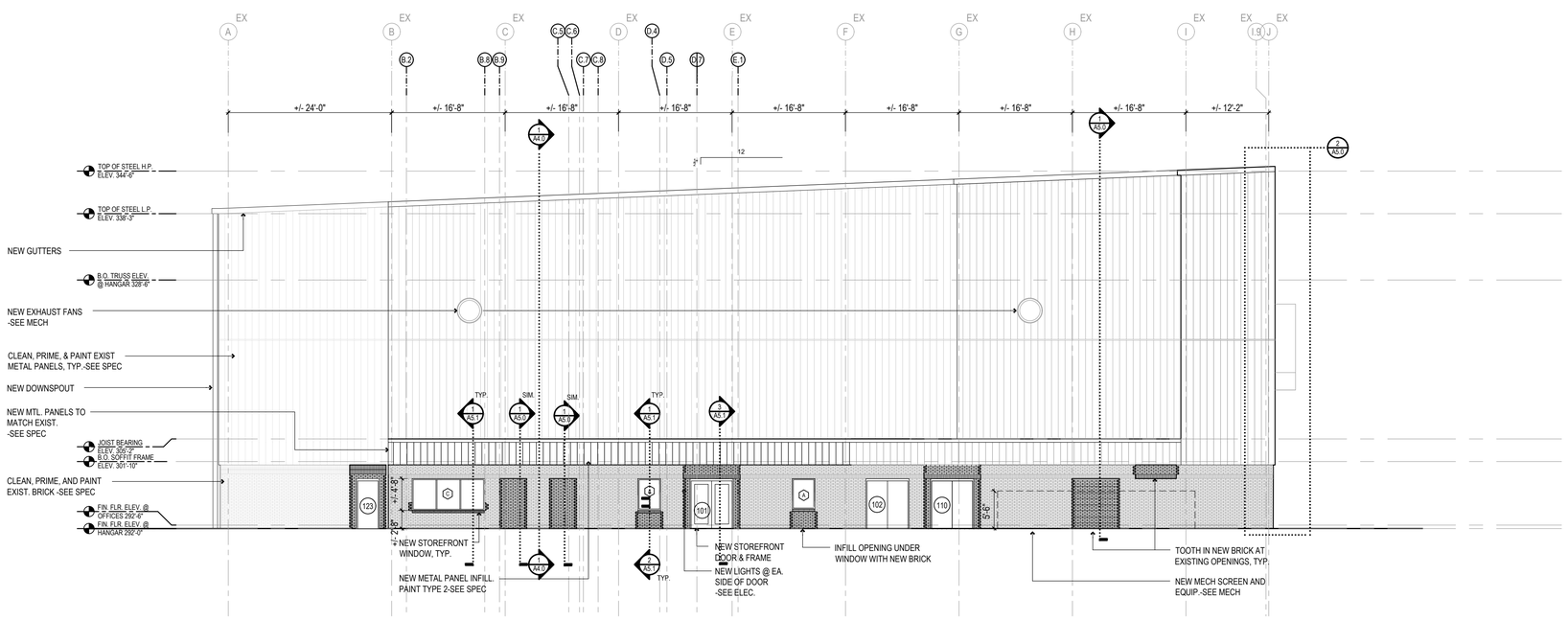
FINISH DETAILS

SHEET NUMBER

A2.1



1 SOUTH ELEVATION
3/32"=1'-0"



2 WEST ELEVATION
3/32"=1'-0"

ELEVATION LEGEND

- AREA OF NEW METAL PANEL TYPE 1 - SEE SPEC
- AREA OF NEW METAL PANEL TYPE 2 - SEE SPEC
- AREA OF NEW METAL PANEL TYPE 3 - SEE SPEC
- AREA OF EXISTING METAL WALL PANEL TO REMAIN
- NEW WINDOW
- NEW DOOR
- AREA OF NEW BRICK INFILL - TOOTHED AS SHOWN

0 2' 5' 10' 20' 40'

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172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

ROY T. DECKER REGISTERED ARCHITECT 2879 MISSISSIPPI
SEPTEMBER 27, 2023

ANNE MARIE DECKER REGISTERED ARCHITECT 8044 JACKSON, MS STATE OF MISSISSIPPI
SEPTEMBER 27, 2023

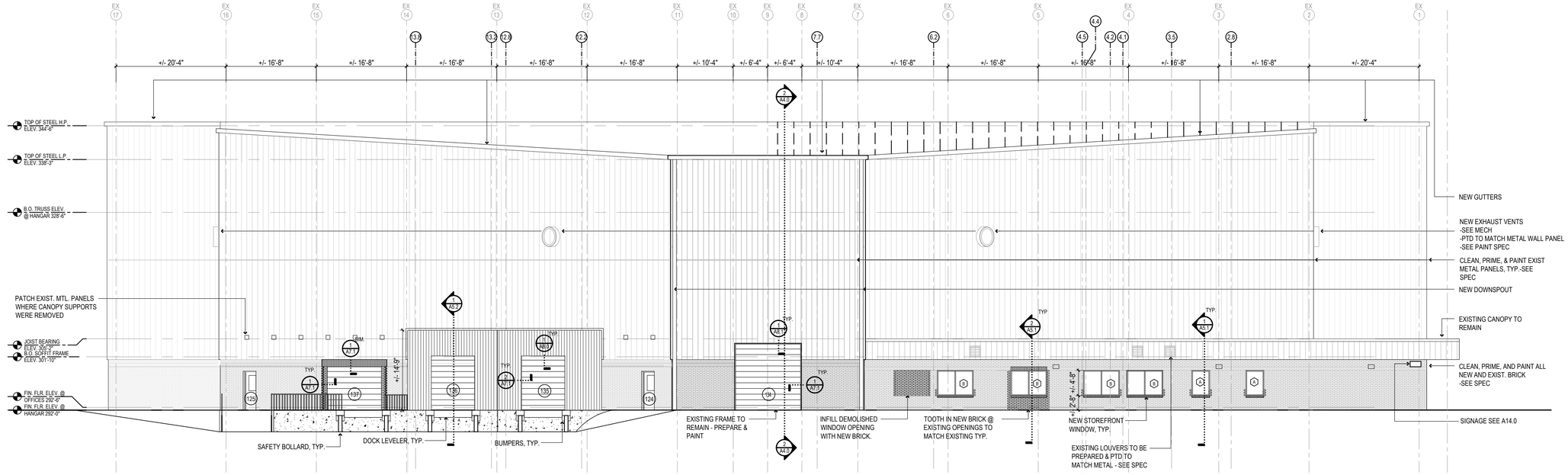
DRAWN BY: MCH	SCALE: NA
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

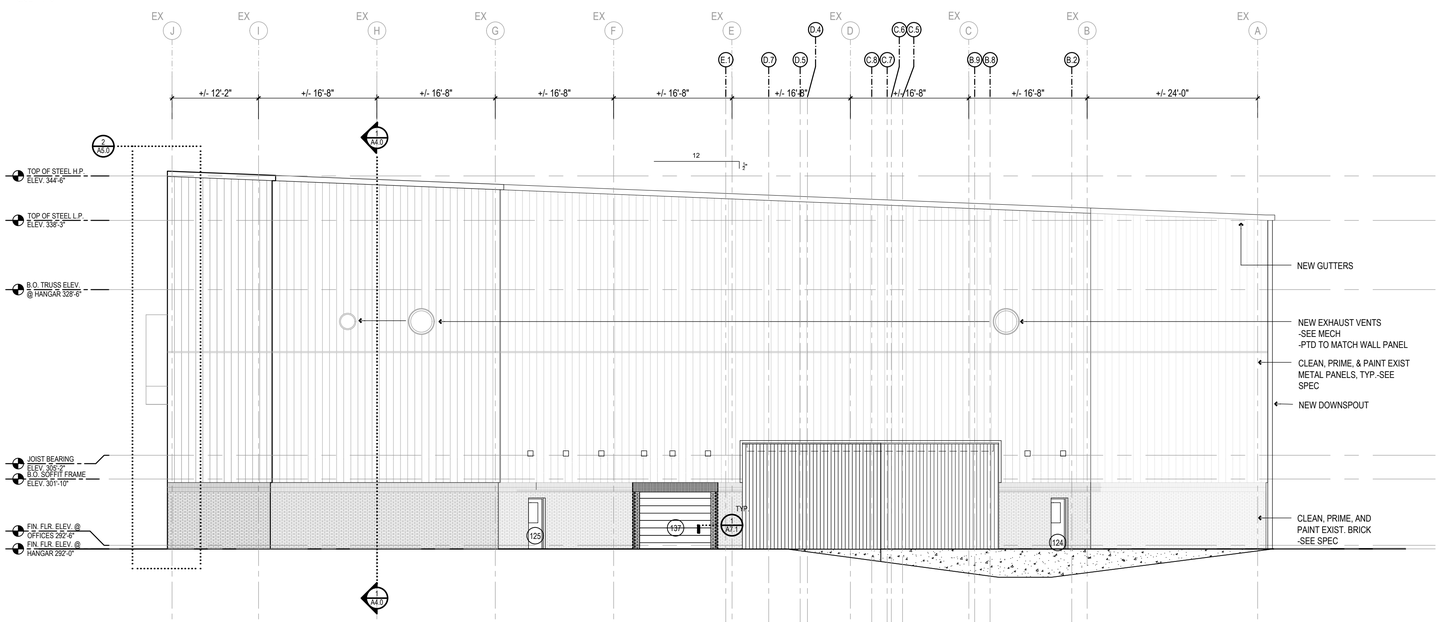
ELEVATIONS

SHEET NUMBER

A3.0



1 NORTH ELEVATION
3/32"=1'-0"



2 EAST ELEVATION
3/32"=1'-0"

ELEVATION LEGEND

- AREA OF NEW METAL PANEL TYPE 1 - SEE SPEC
- AREA OF NEW METAL PANEL TYPE 2 - SEE SPEC
- AREA OF NEW METAL PANEL TYPE 3 - SEE SPEC
- AREA OF EXISTING METAL WALL PANEL TO REMAIN
- NEW WINDOW
- NEW DOOR
- AREA OF NEW BRICK INFILL - TOOTHED AS SHOWN

0 2' 4' 8' 16' 30'

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ROY T. DECKER REGISTERED ARCHITECT 2879 MISSISSIPPI
SEPTEMBER 27, 2023

ANNE MARIE DECKER REGISTERED ARCHITECT 3044 JACKSON, MS STATE OF MISSISSIPPI
SEPTEMBER 27, 2023

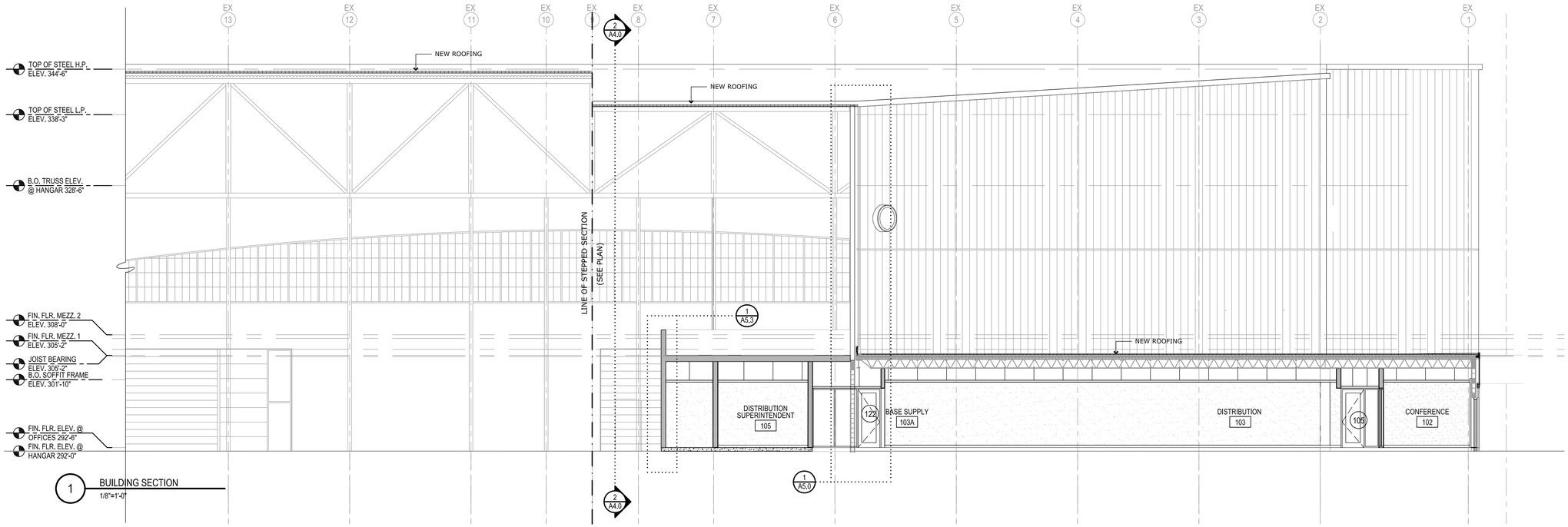
DRAWN BY: MCH	SCALE: NA
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

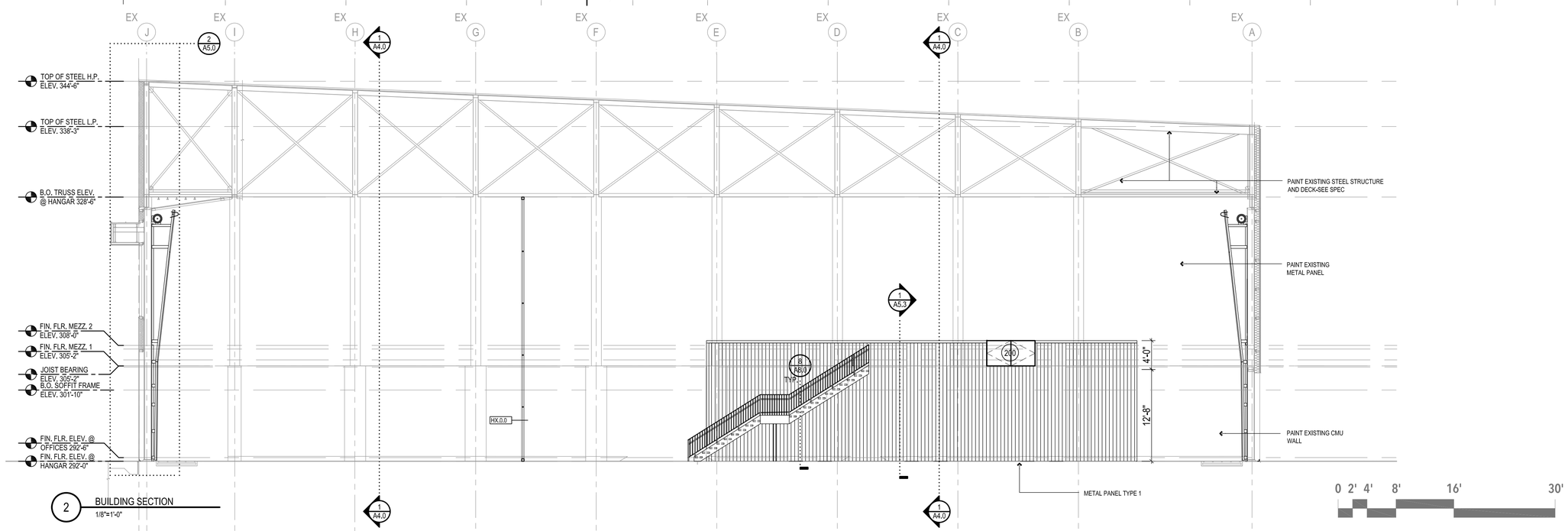
ELEVATIONS

SHEET NUMBER

A3.1



1 BUILDING SECTION
1/8"=1'-0"



2 BUILDING SECTION
1/8"=1'-0"

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PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

ROY T. DECKER
REGISTERED ARCHITECT
2879
MISSISSIPPI

SEPTEMBER 27, 2023

REGISTERED ARCHITECT
ANNE MARIE DECKER
3044
JACKSON, MS
STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

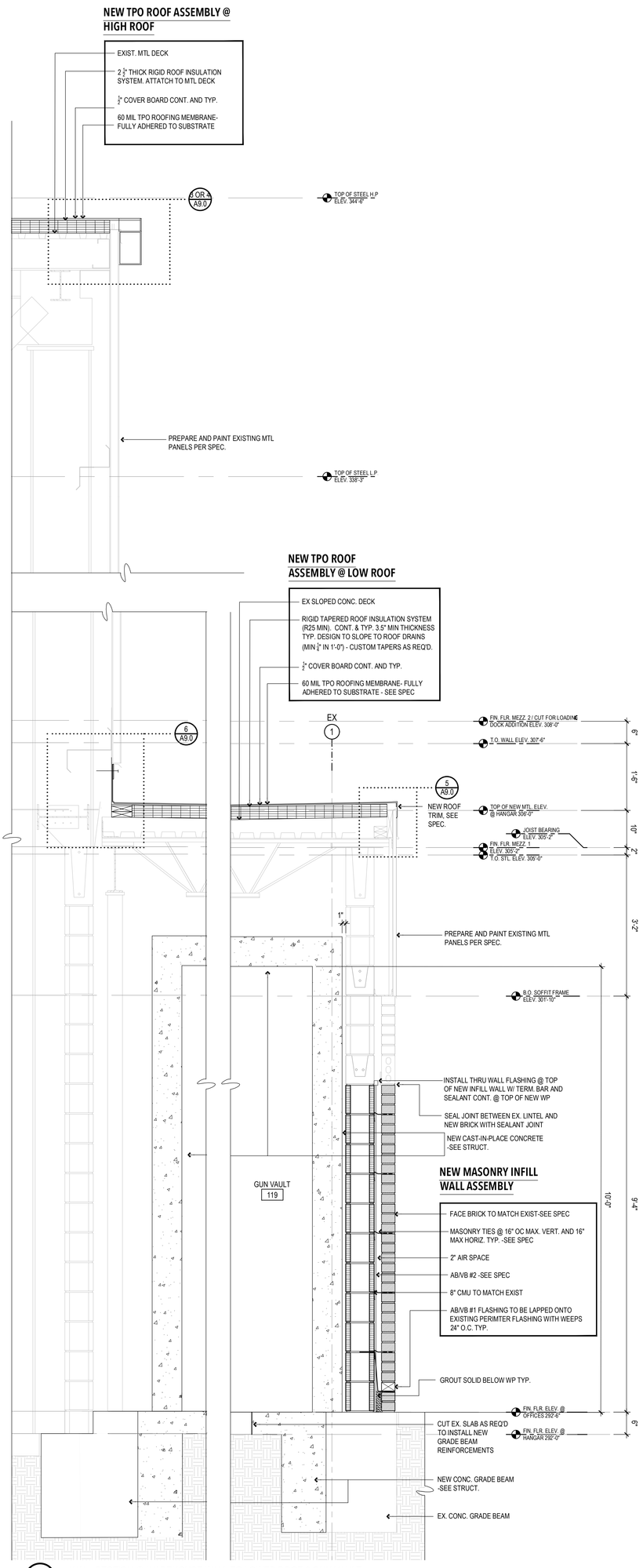
DRAWN BY: MCH	SCALE: NA
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

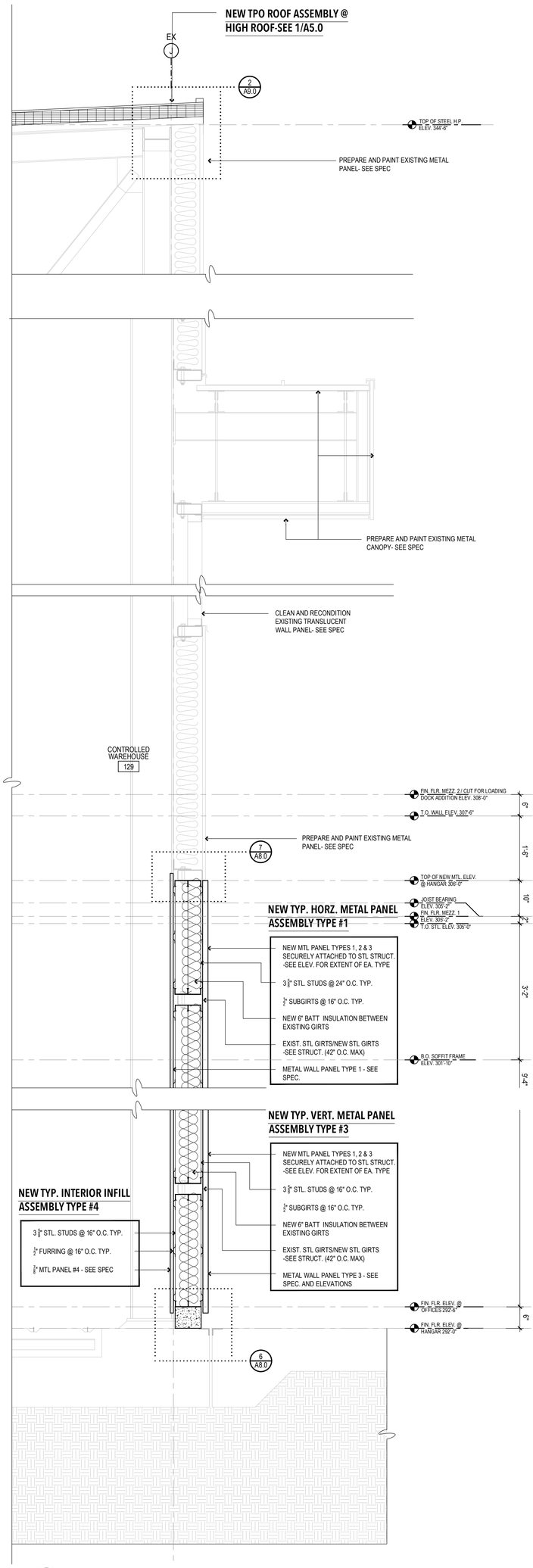
BUILDING SECTIONS

SHEET NUMBER

A4.0



1 WALL SECTION @ WAREHOUSE WALL TO LOWER ROOF & GUN VAULT
3/4"=1'-0"



2 WALL SECTION @ SOUTH ELEVATION
3/4"=1'-0"

NOTE:

1.)TYPICAL ASSEMBLY NOTES ARE PROVIDED @ 1ST WALL SECTION OR DETAIL THAT INCLUDES THAT ASSEMBLY. THESE NOTES ARE NOT REPEATED ON SUBSEQUENT SHEETS.

2.)TYPICAL NOTES ARE NOT REPEATED FOR SIMILAR ASSEMBLIES, COMPONENTS, OR DETAILS THAT OCCUR IN MULTIPLE DRAWINGS. ONCE NOTED AS TYPICAL, NOTES SHALL APPLY TO ALL SIMILAR CONDITIONS.

0 3" 6" 9" 1'-6" 3' 6'

SHEET NUMBER
A5.0

WALL SECTIONS

DRAWN BY: MCH
DESIGNED BY: MCH/AMD
DRAWING TITLE
SCALE: 1/2"=1'-0"
DATE: SEPTEMBER 2023
PROJECT: LRXQ172402

SEPTEMBER 27, 2023
REGISTERED ARCHITECT STATE OF MISSISSIPPI
SEPTEMBER 27, 2023
REGISTERED ARCHITECT STATE OF MISSISSIPPI
REGISTERED ARCHITECT MISSISSIPPI
RUY T. DECKER

SEAL

NO.	REMARKS	DATE

DRAWING REVISIONS

RENOVATE BASE SUPPLY WAREHOUSE B180

MS AIR NATIONAL GUARD
172ND AIRLIFT WING

PROJECT# LRXQ 172402

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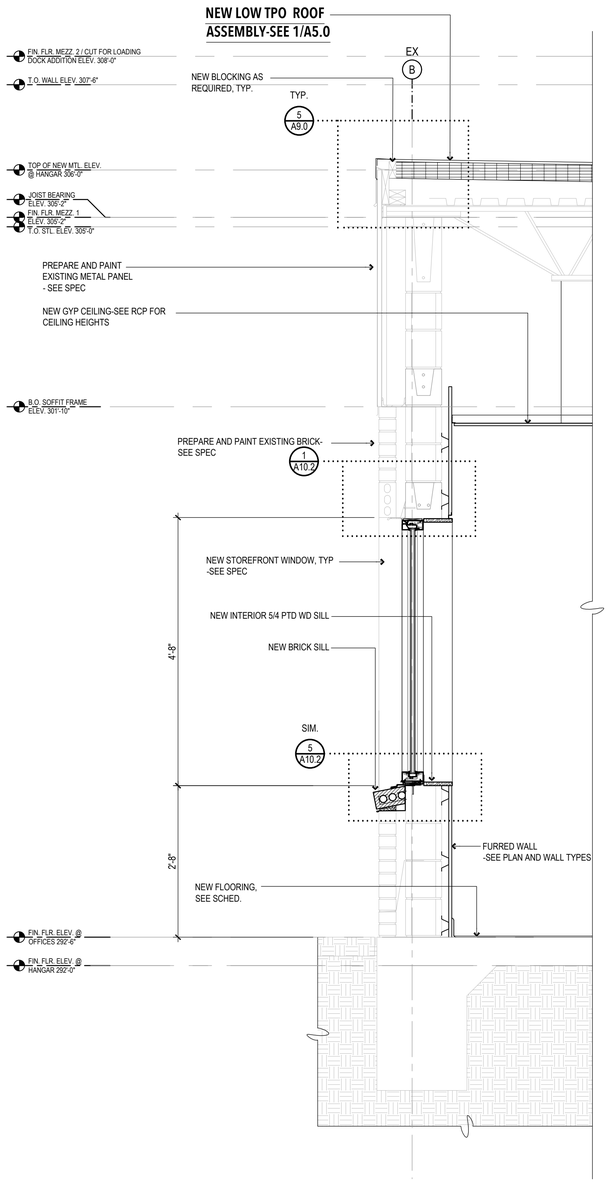
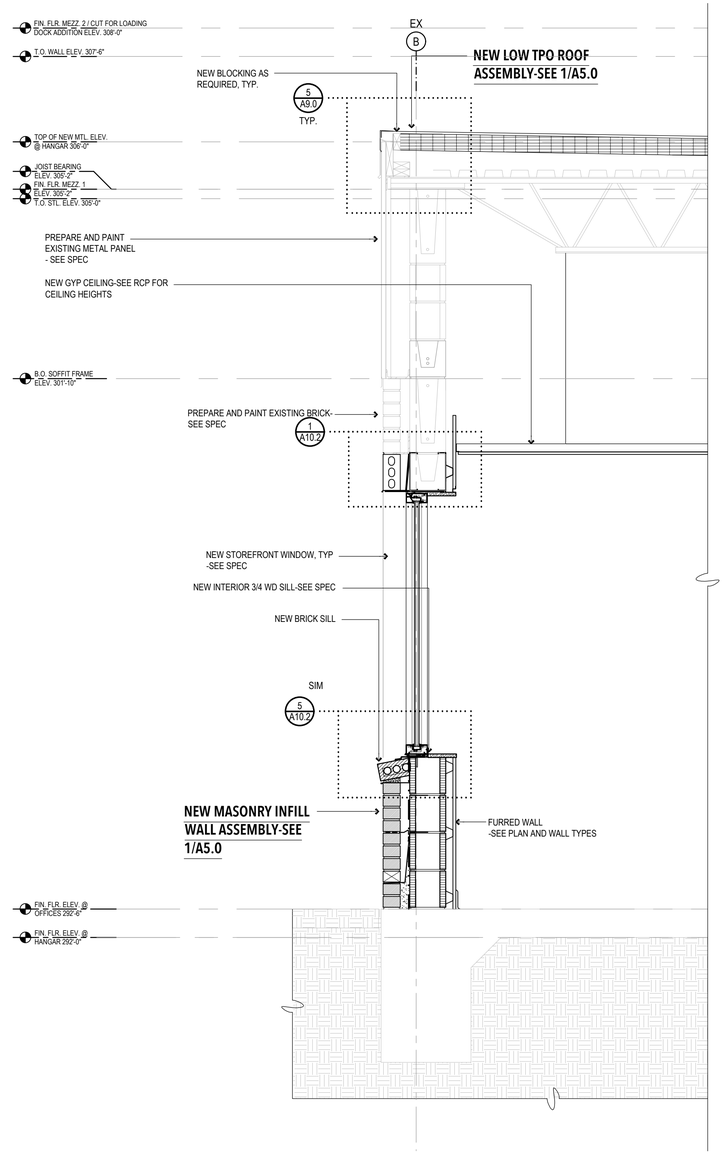
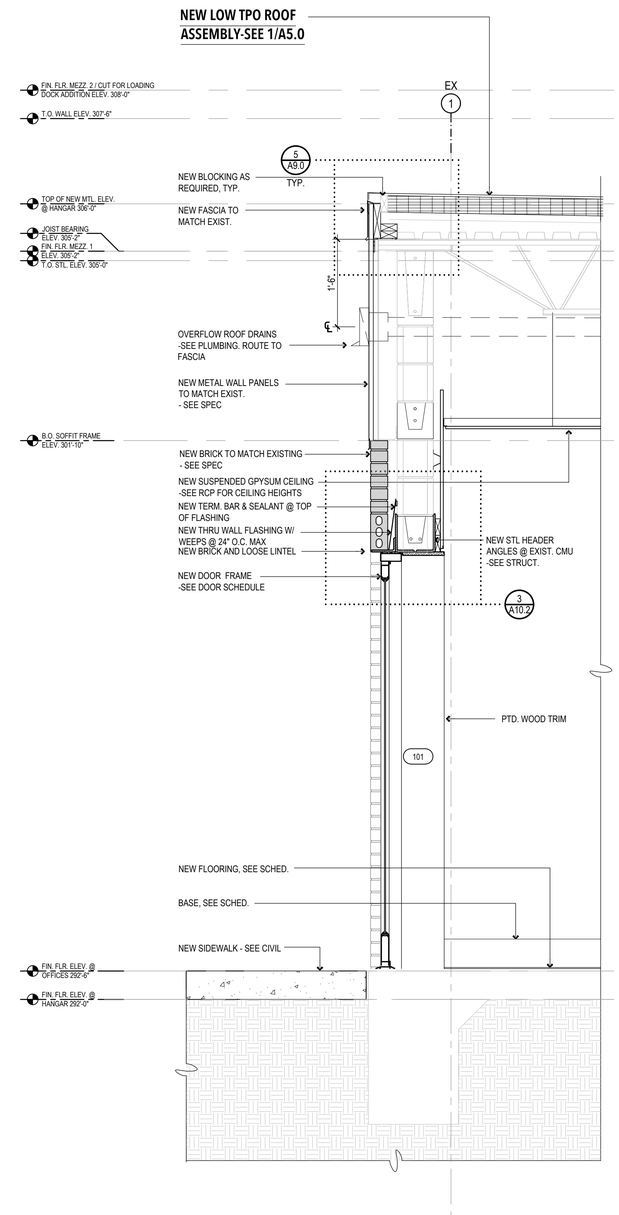


1 TYPICAL WALL SECTION @ EXISTING WINDOW OPENING/NEW WINDOW INFILL
3/4"=1'-0"



2 TYPICAL WALL SECTION @ EXISTING DOOR OPENING/NEW WINDOW AND/OR BRICK
3/4"=1'-0"



3 TYPICAL WALL SECTION @ EXTENDED SOFFIT/TYPICAL WALL SECTION @ NEW BRICK/NEW OPENINGS
3/4"=1'-0"

NOTE:

1.)TYPICAL ASSEMBLY NOTES ARE PROVIDED @ 1ST WALL SECTION OR DETAIL THAT INCLUDES THAT ASSEMBLY. THESE NOTES ARE NOT REPEATED ON SUBSEQUENT SHEETS.

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0 3" 6" 9" 1'-6" 3' 6'

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PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

ROY T. DECKER REGISTERED ARCHITECT 2879 MISSISSIPPI

SEPTEMBER 27, 2023

REGISTERED ARCHITECT ANNE MARIE DECKER 3044 JACKSON, MS STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

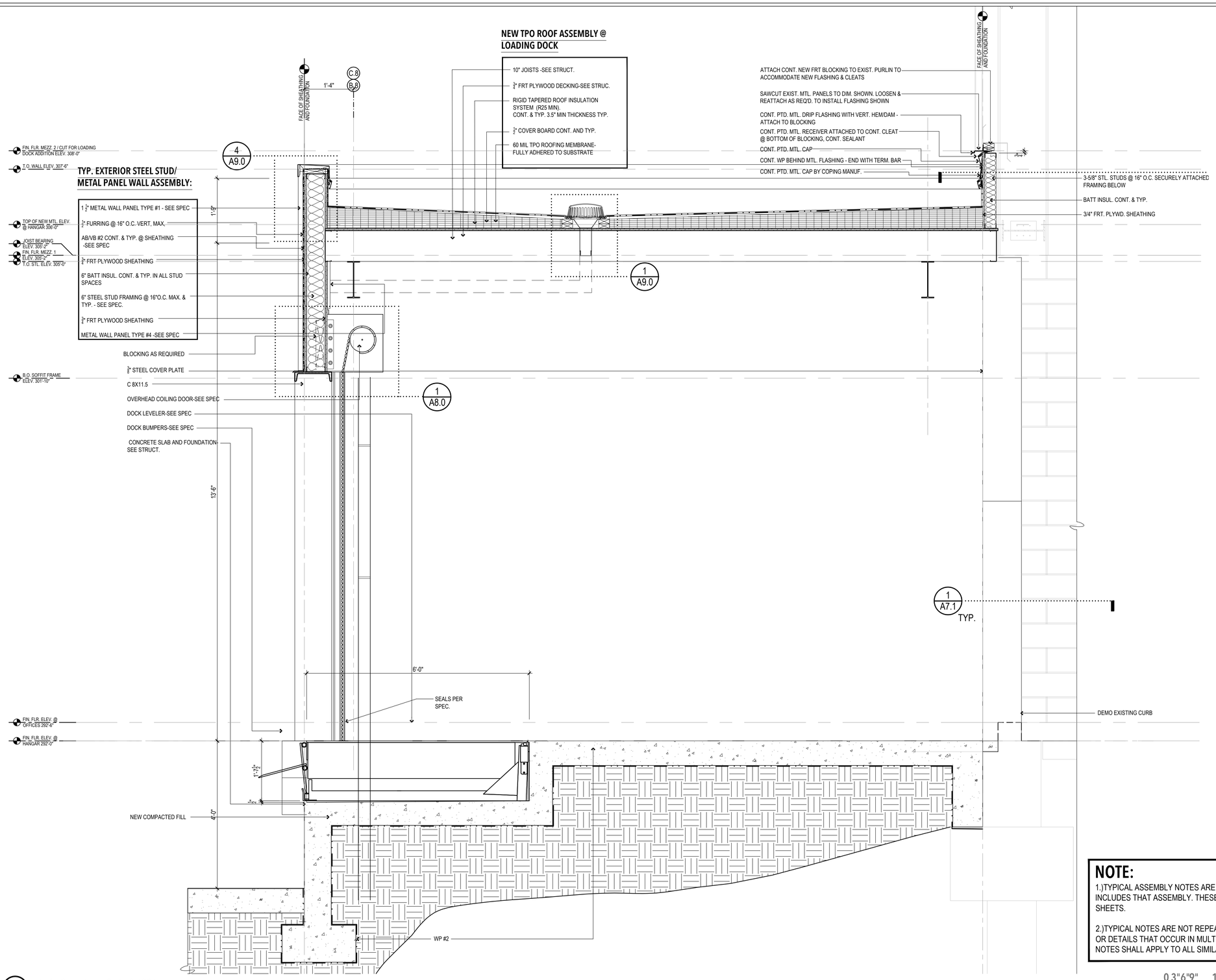
DRAWN BY: MCH	SCALE: 1/2"=1'-0"
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

WALL SECTIONS

SHEET NUMBER

A5.1



1 SECTION AT NEW LOADING DOCK
3/4"=1'-0"

NOTE:

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0 3" 6" 9" 1'-6" 3' 6'

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DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

ROY T. DECKER
REGISTERED ARCHITECT
2879
MISSISSIPPI

SEPTEMBER 27, 2023

REGISTERED ARCHITECT
ANNE MARIE DECKER
3044
JACKSON, MS
STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

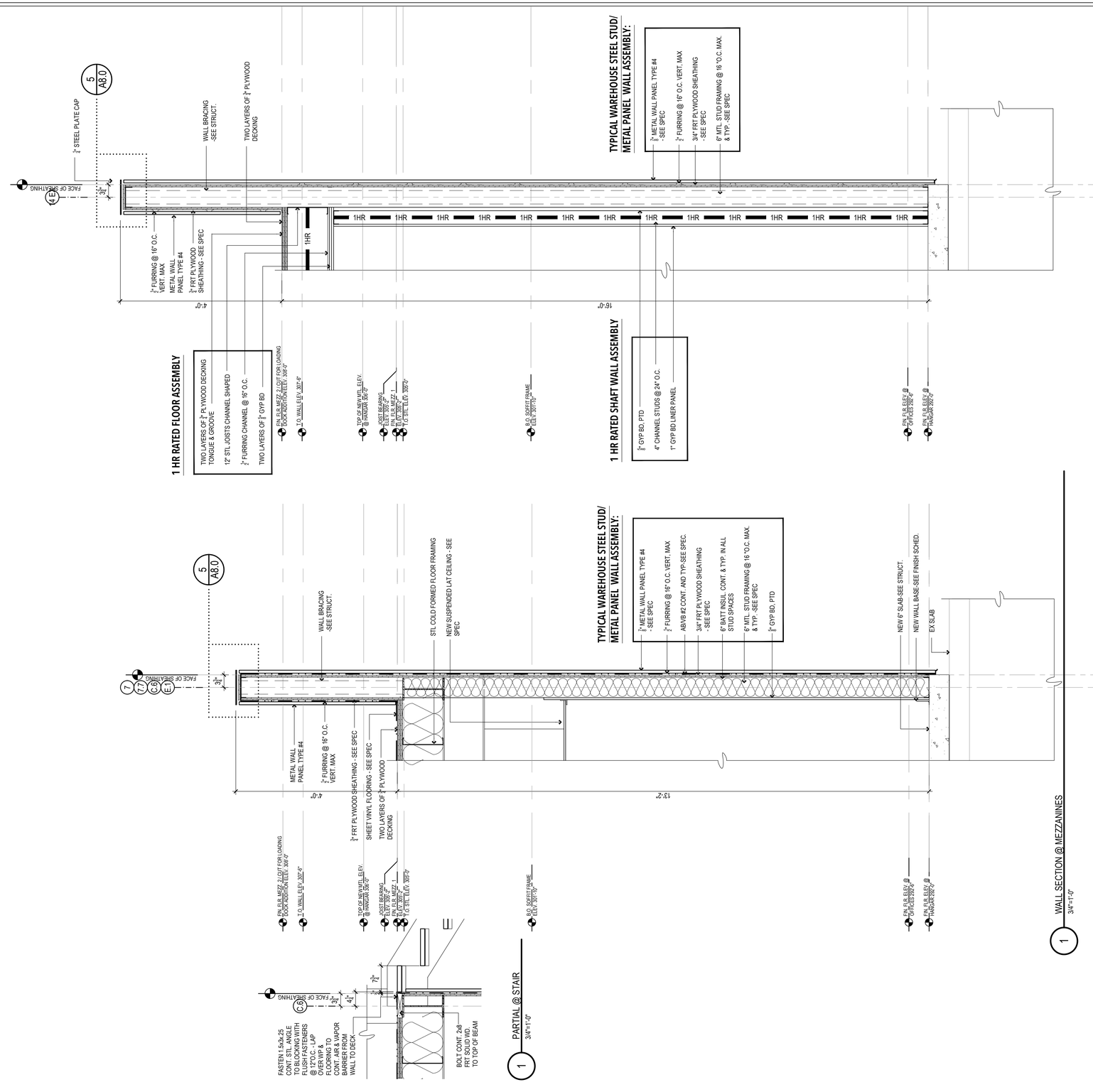
DRAWN BY: MCH	SCALE: 1/2"=1'-0"
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

WALL SECTIONS

SHEET NUMBER

A5.2



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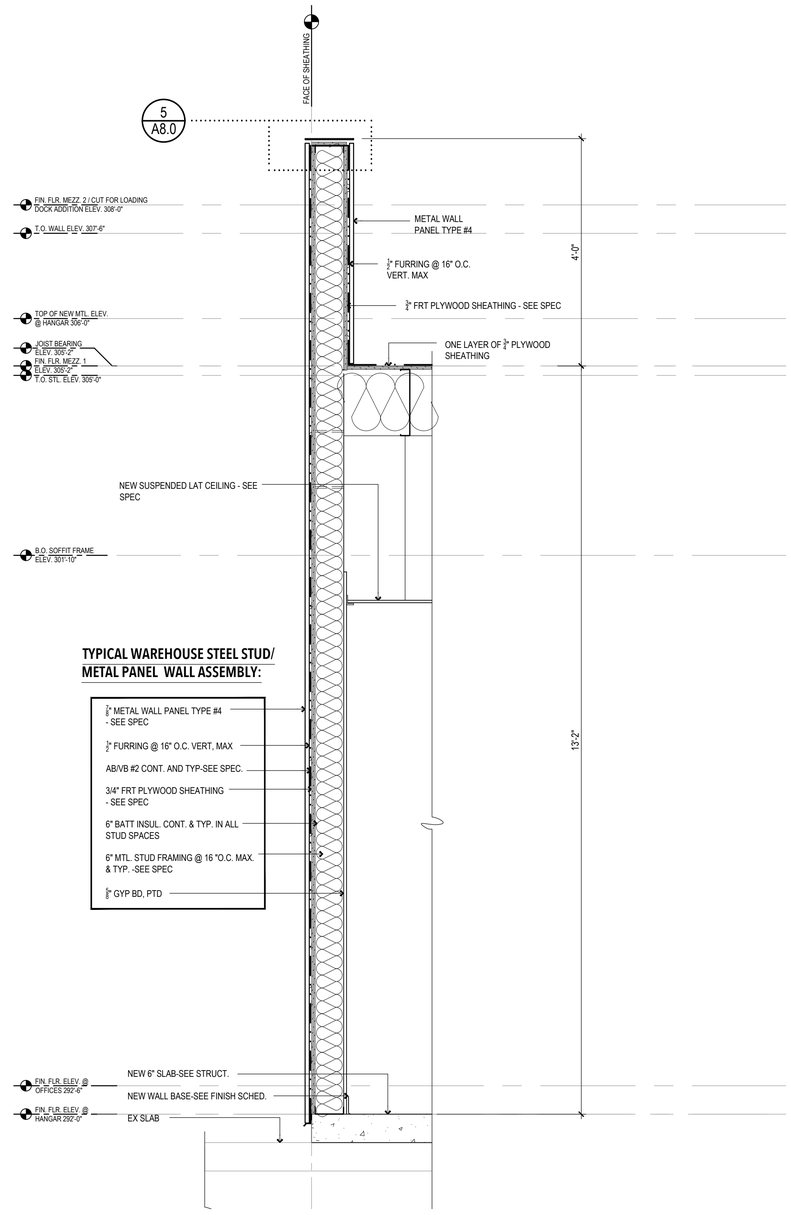
DRAWING TITLE

WALL SECTIONS

SHEET NUMBER

A5.3



1 WALL SECTION @ INTERIOR WAREHOUSE WALL WITHOUT MEZZANINE
3/4"=1'-0"

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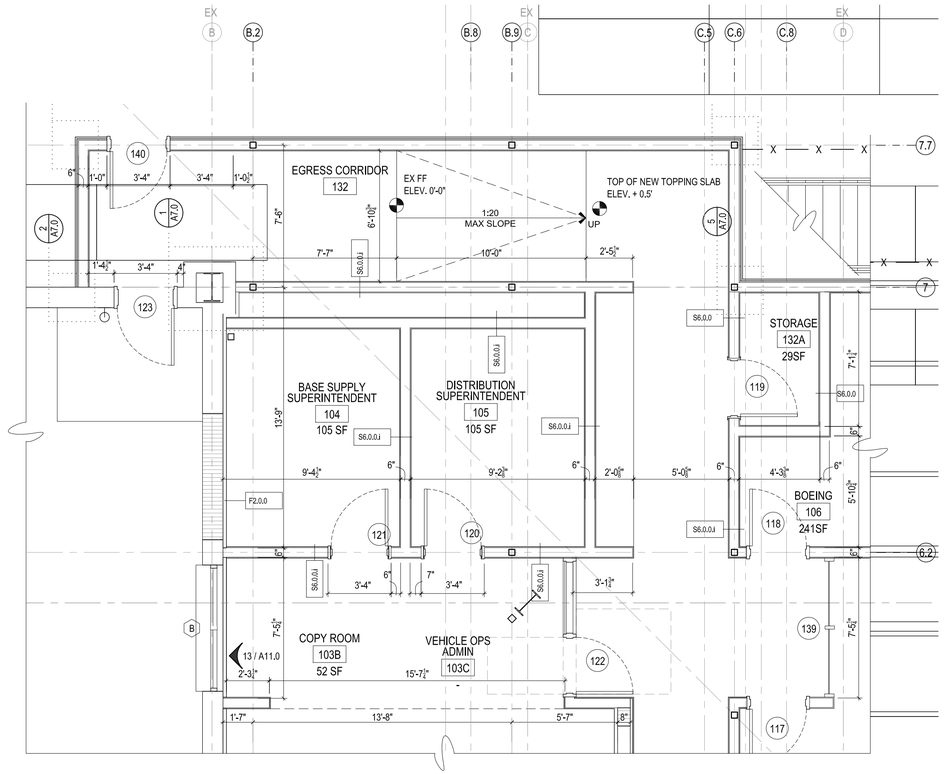
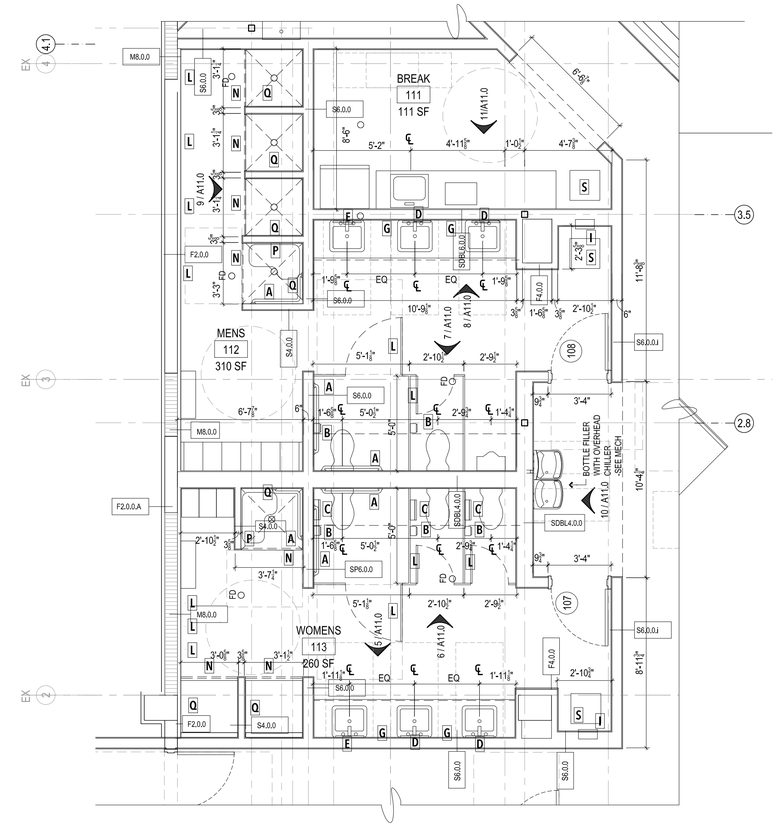
WALL SECTIONS

SHEET NUMBER

A5.4



2 ENLARGED FLOOR PLAN- EXIT ACCESS
1/4"=1'-0"



1 ENLARGED FLOOR PLAN- NEW RESTROOMS
1/4"=1'-0"

ENLARGED FLOOR PLAN LEGEND

- NEW WALL - SEE WALL TYPES
- NEW CMU WALL
- NEW STUD WALL
- NEW PLUMBING FIXTURES
- NEW DOOR - SEE DOOR AND WINDOW SCHEDULE

ACCESSORY LEGEND (SEE SPECS):

A	GRAB BARS
B	TOILET TISSUE DISPENSER
C	SANITARY NAPKIN DISPOSAL
D	WALL MOUNTED MIRROR W/ SHELF
E	ADA WALL MOUNTED MIRROR
F	NOT USED
G	SOAP DISPENSER
H	NOT USED
I	PAPER TOWEL DISPENSER - SEMI-RECESSED
J	NOT USED
JJ	NOT USED
K	NOT USED
L	ROBE HOOK
M	WALL MOUNTED MOP/BROOM RACK
N	SHOWER CURTAIN ROD
O	SHOWER CURTAIN
P	ADA SHOWER SEAT
Q	WALL MOUNTED SOAP DISH
R	NOT USED
S	36 GALLON FREE STANDING TRASH CAN

N 0 1' 2' 4' 8' 16'

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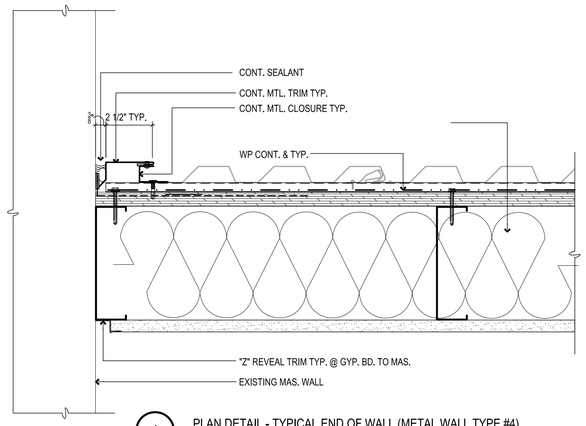
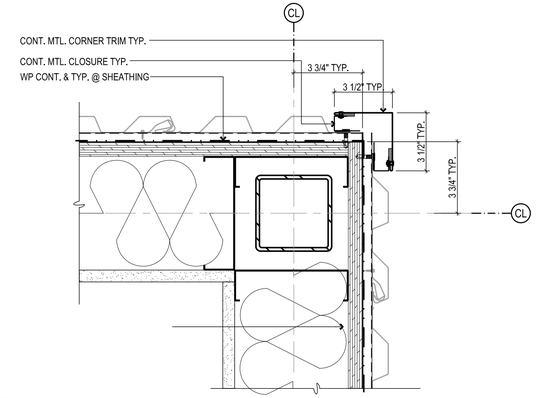
ENLARGED FIRST FLOOR PLAN

SHEET NUMBER

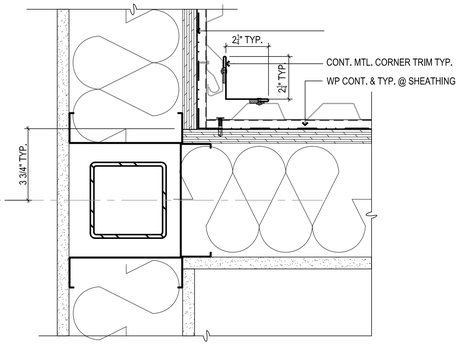
A6.0



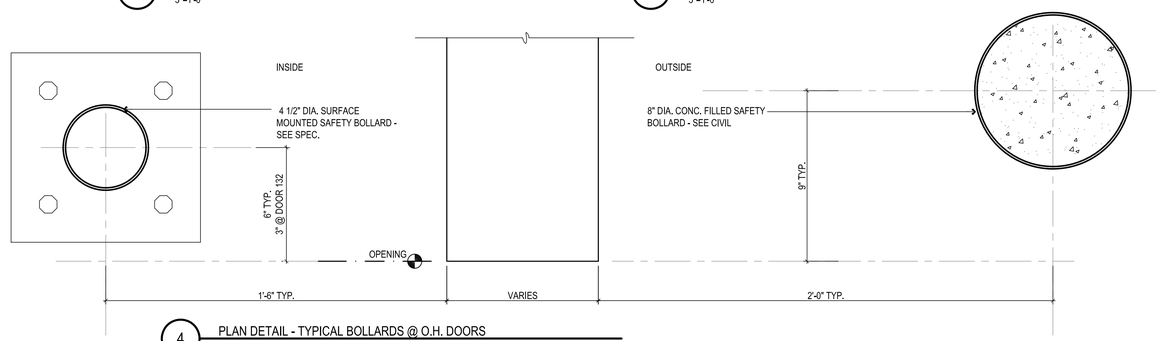
1 PLAN DETAIL - TYPICAL END OF WALL (METAL WALL TYPE #4)
3"=1'-0"



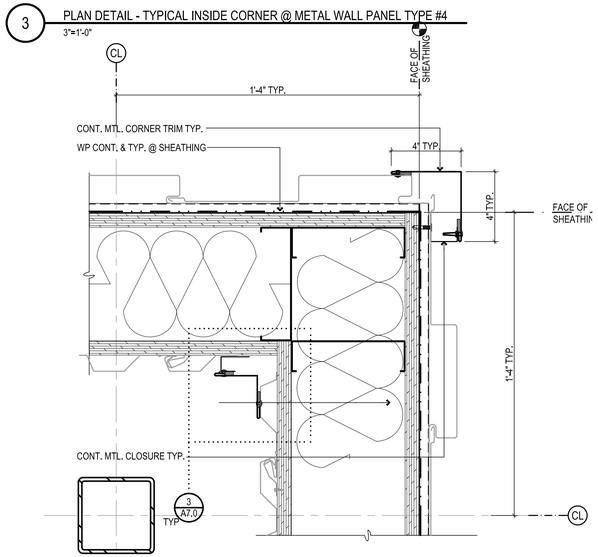
2 PLAN DETAIL - TYPICAL OUTSIDE CORNER @ METAL WALL PANEL TYPE #4
3"=1'-0"



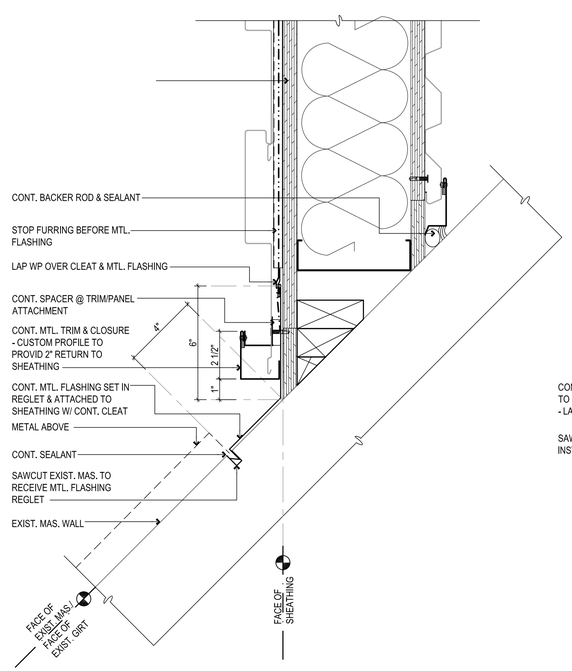
3 PLAN DETAIL - TYPICAL INSIDE CORNER @ METAL WALL PANEL TYPE #4
3"=1'-0"



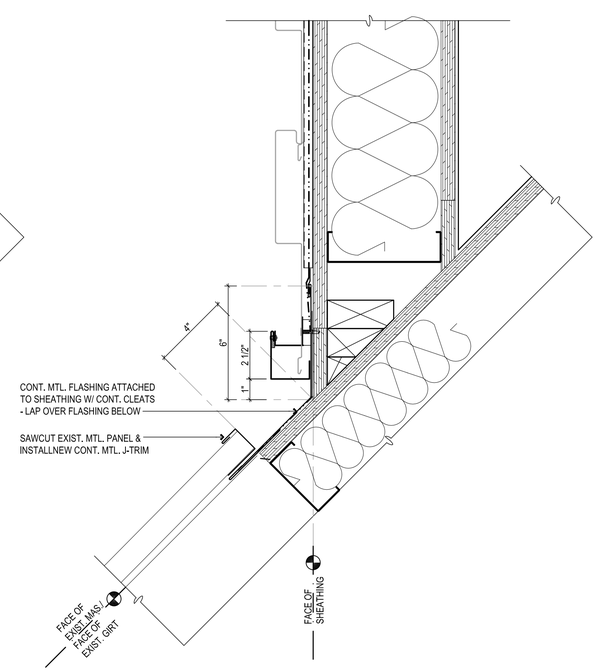
4 PLAN DETAIL - TYPICAL BOLLARDS @ O.H. DOORS
3"=1'-0"



5 PLAN DETAIL - TYPICAL OUTSIDE CORNER @ METAL PANEL TYPE #1
3"=1'-0"



6 PLAN DETAIL - TYPICAL NEW DOCK WALL TO EXISTING MAS.
3"=1'-0"



7 PLAN DETAIL - TYPICAL NEW DOCK WALL TO EXIST. MTL. PANEL WALL
3"=1'-0"

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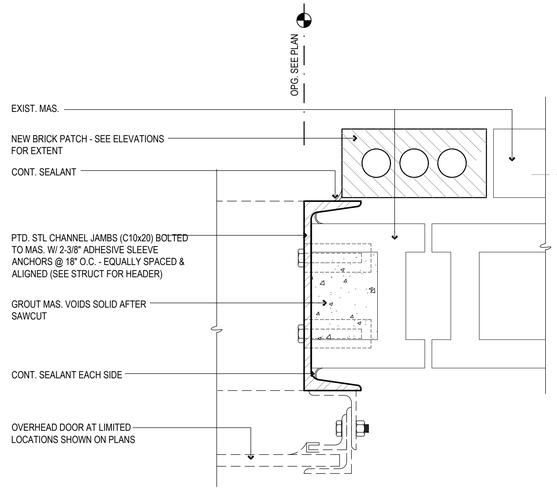
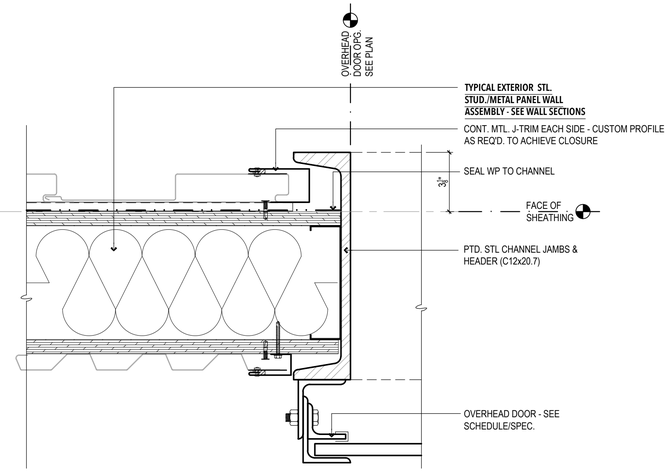
PLAN DETAILS

SHEET NUMBER

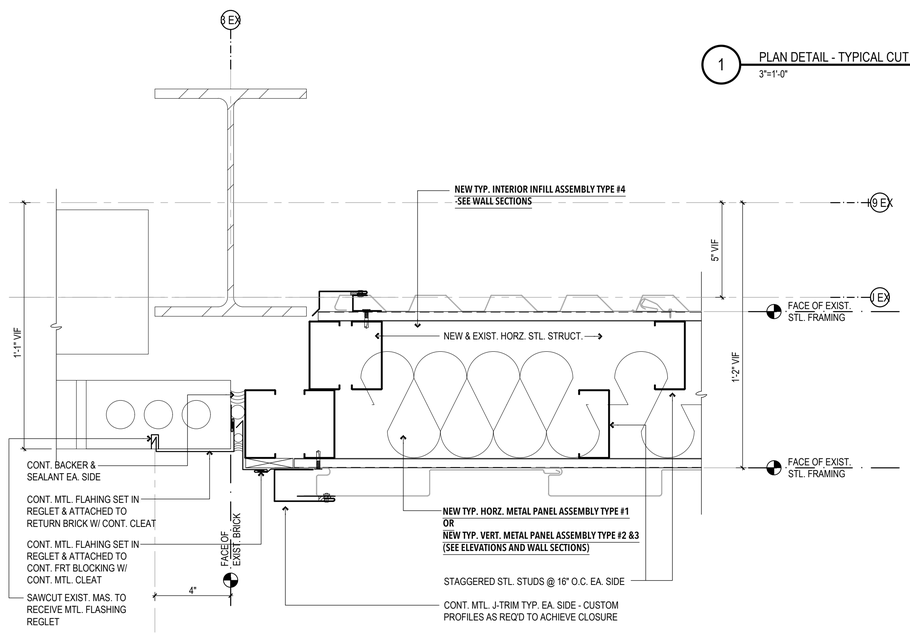
A7.0



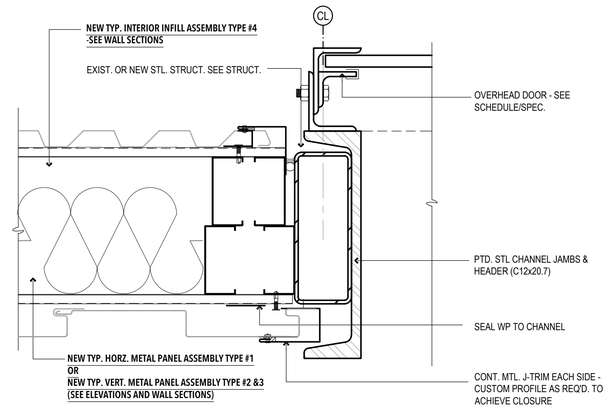
1 PLAN DETAIL - TYPICAL CUT IN EXIST. MAS. WALL / O.H. DOOR
3"=1'-0"



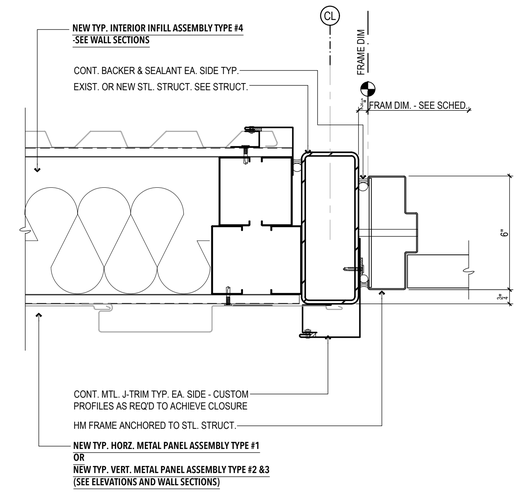
2 PLAN DETAIL - TYPICAL O.H. DOOR JAMB @ NEW WALLS
3"=1'-0"



3 PLAN DETAIL - TYPICAL EXIST. WALL TO NEW NORTH INFILL WALL
3"=1'-0"



4 PLAN DETAIL - TYPICAL O.H. DOOR JAMB @ EXIST. WALLS
3"=1'-0"



5 PLAN DETAIL - TYPICAL MTL. PANEL TO HM FRAME
3"=1'-0"

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PLAN DETAILS

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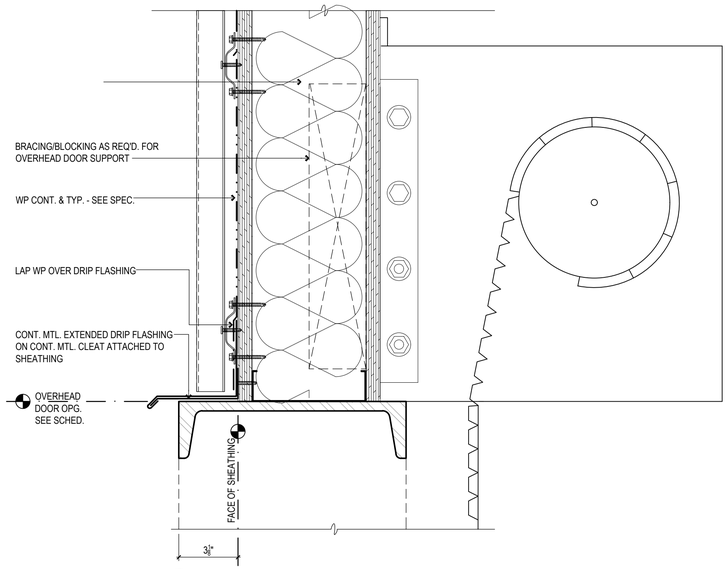
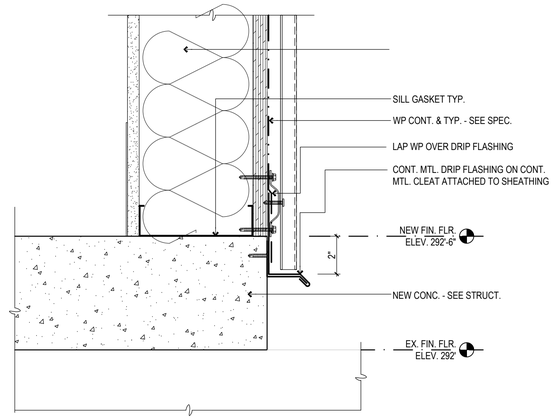
A7.1



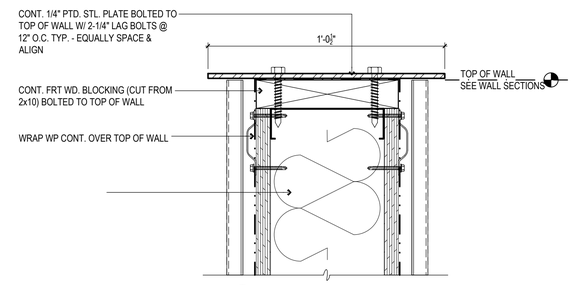
1 SECTION DETAIL - TYP OVERHEAD DOOR DETAIL IN NEW WALL
3"=1'-0"

2 NOT USED
3"=1'-0"

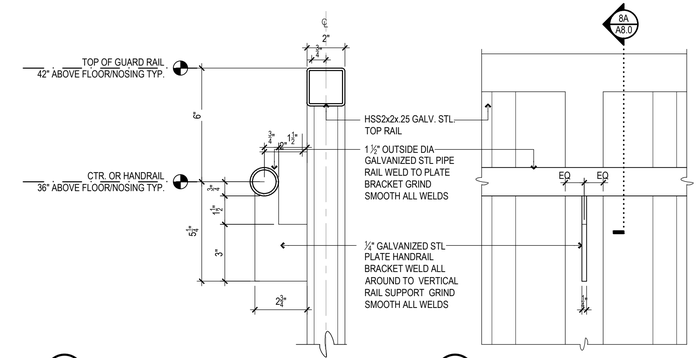


3 SECTION DETAIL - TYPICAL BOTTOM OF WALL (WALLS INSIDE WAREHOUSE)
3"=1'-0"

4 NOT USED
3"=1'-0"

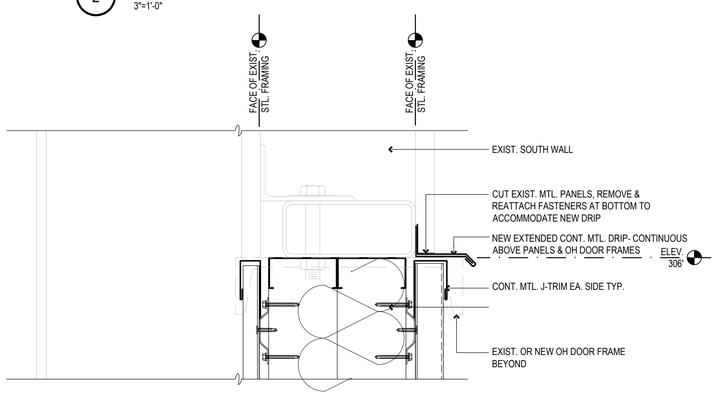


5 SECTION DETAIL - TYPICAL TOP OF GUARD WALLS
3"=1'-0"

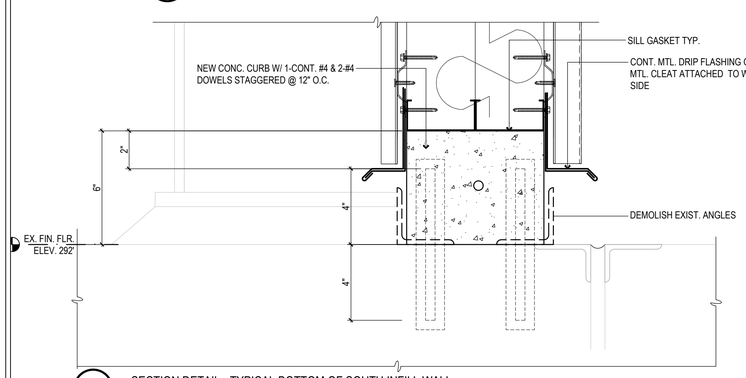


8A SECTION DETAIL- TYPICAL GUARDRAIL/HANDRAIL
3"= 1'-0"

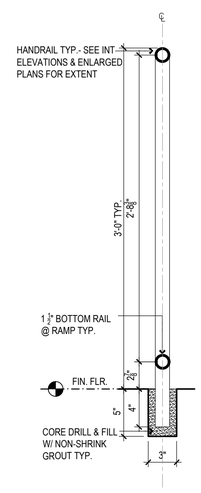
8B SECTION DETAIL- TYPICAL GUARDRAIL/HANDRAIL
3"= 1'-0"



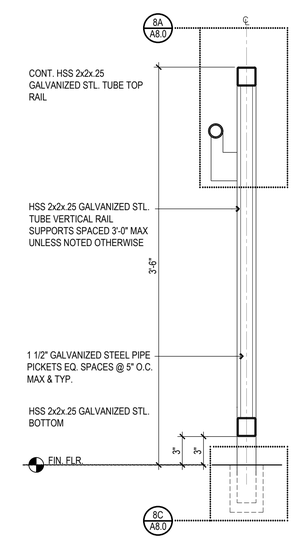
7 SECTION DETAIL - TYPICAL EXIST. TO NEW WALL PANELS
3"=1'-0"



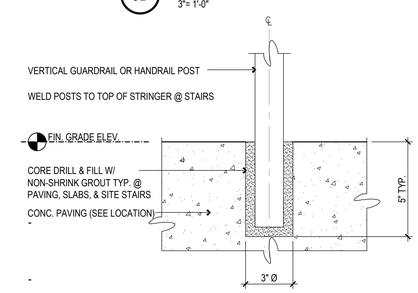
6 SECTION DETAIL - TYPICAL BOTTOM OF SOUTH INFILL WALL
3"=1'-0"



9 TYPICAL HANDRAIL DETAILS
1 1/2" =1'-0"



8 TYPICAL GUARDRAIL/HANDRAIL DETAILS
1 1/2" =1'-0"



8C SECTION DETAIL- TYPICAL GUARDRAIL/HANDRAIL
3"= 1'-0"

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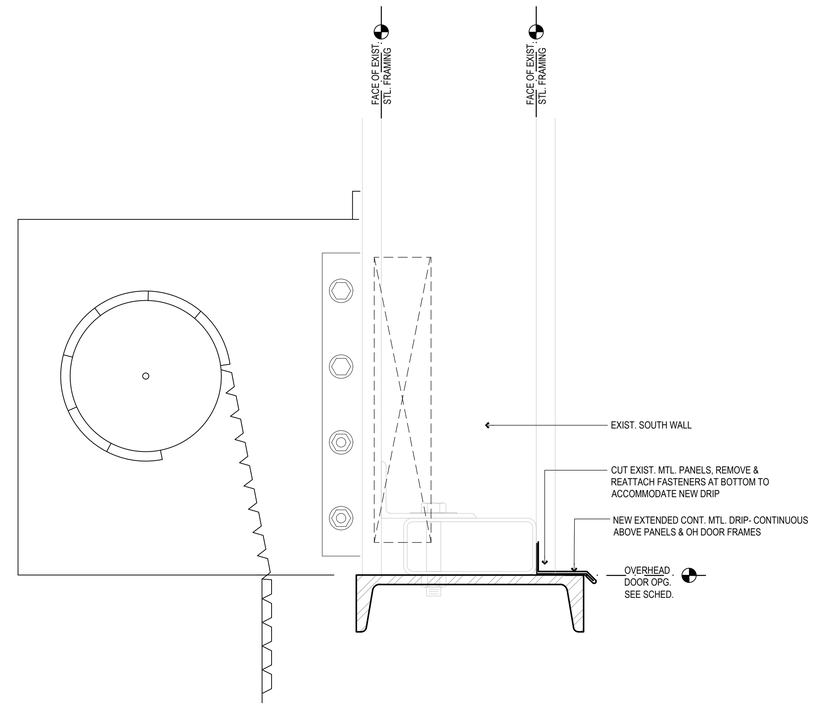

1 SECTION DETAIL - TYP OVERHEAD DOOR DETAIL IN EXISTING WALL
3"=1'-0"

NOTE:

NO.	NOTE
1	TYPICAL ASSEMBLY NOTES ARE PROVIDED @ 1ST WALL SECTION OR DETAIL THAT INCLUDES THAT ASSEMBLY. THESE NOTES ARE NOT REPEATED ON SUBSEQUENT SHEETS.
2	TYPICAL NOTES ARE NOT REPEATED FOR SIMILAR ASSEMBLIES, COMPONENTS, OR DETAILS THAT OCCUR IN MULTIPLE DRAWINGS. ONCE NOTED AS TYPICAL, NOTES SHALL APPLY TO ALL SIMILAR CONDITIONS.

0 1" 2" 3" 6" 1'6"

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RENOVATE BASE SUPPLY WAREHOUSE B180

MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

ROY T. DECKER
REGISTERED ARCHITECT
2879
MISSISSIPPI

SEPTEMBER 27, 2023

REGISTERED ARCHITECT
ANNE MARIE DECKER
3044
JACKSON, MS
STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

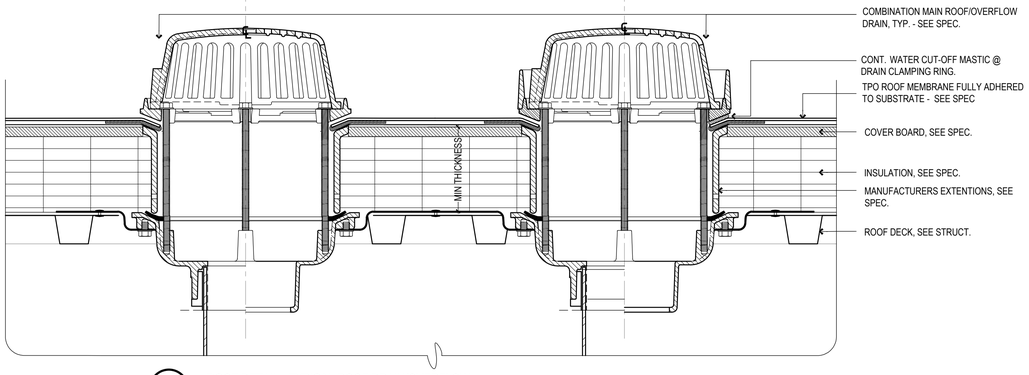
DRAWN BY: MCH	SCALE: NA
DESIGNED BY: AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

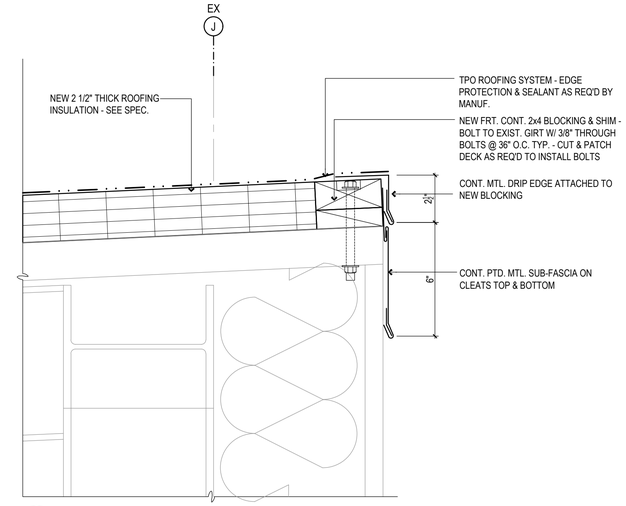
SECTION DETAILS

SHEET NUMBER

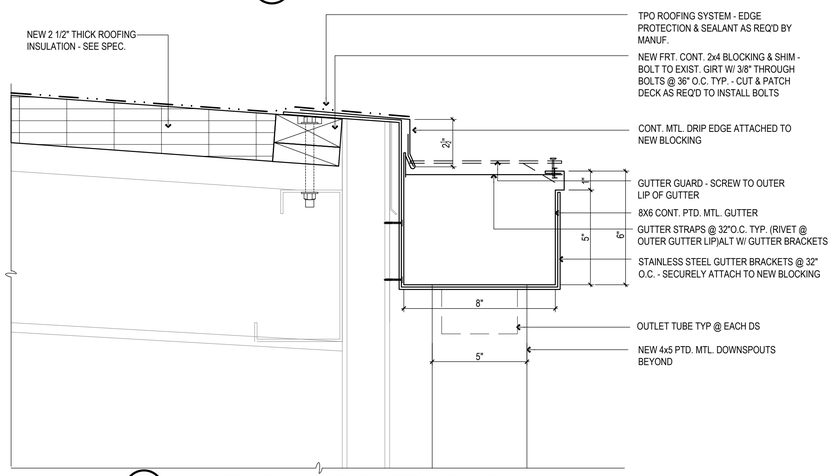
A8.1



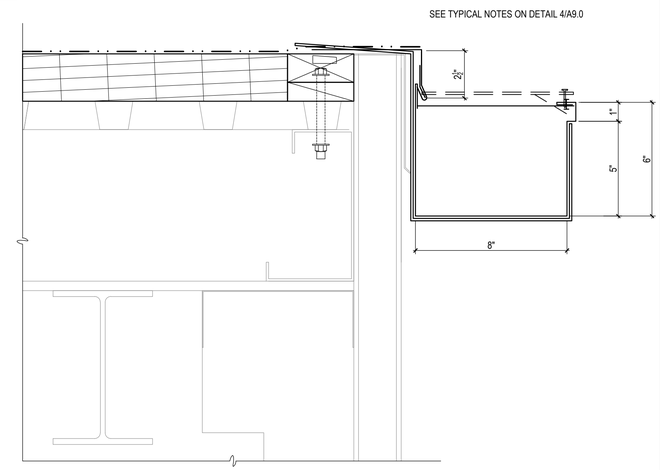
1 ROOF DETAIL - TYPICAL ROOF DRAIN/OVERFLOW
3"=1'-0"



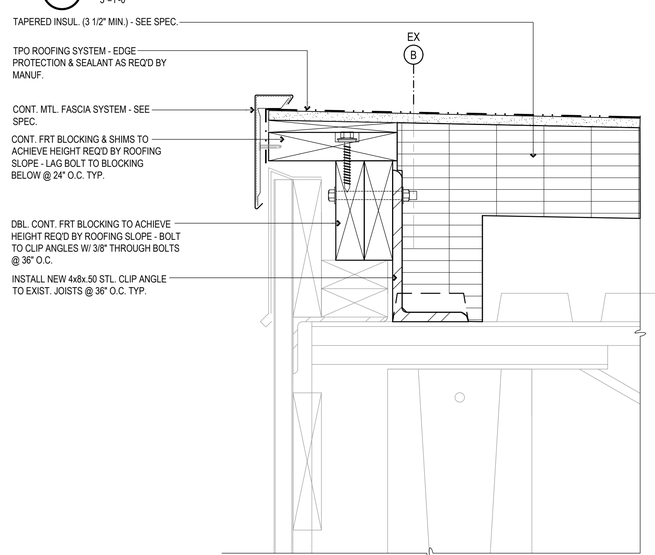
2 ROOF DETAIL - TYPICAL HIGHPOINT @ HIGH ROOF
3"=1'-0"



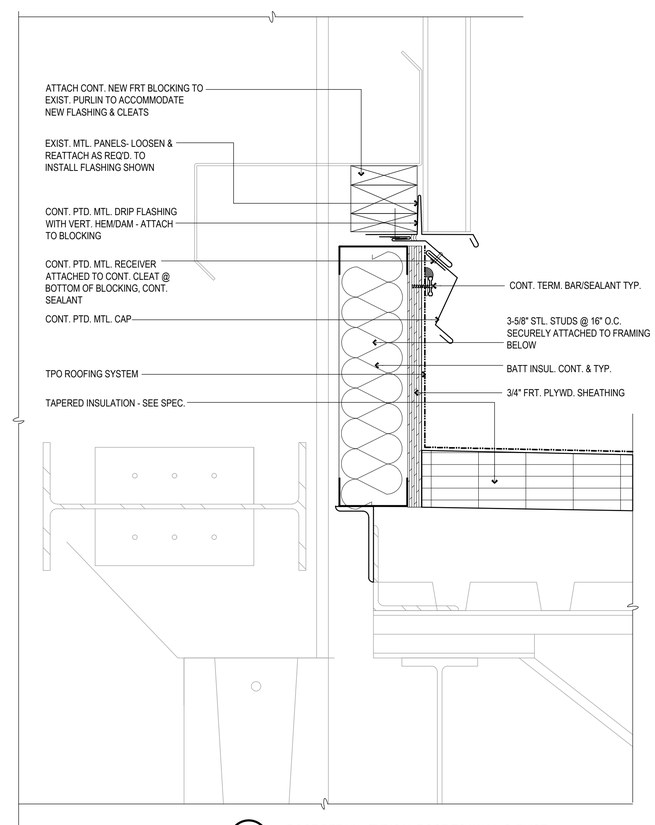
4 ROOF DETAIL - TYPICAL LOWPOINT/GUTTER @ HIGH ROOF
3"=1'-0"



3 ROOF DETAIL - TYPICAL RAKE/GUTTER @ HIGH ROOF
3"=1'-0"



5 ROOF DETAIL - TYPICAL GRAVEL STOP @ LOW ROOF
3"=1'-0"



6 ROOF DETAIL - TYPICAL ROOF TO WALL @ EXIST.
3"=1'-0"

01" 3" 6" 1' 3'

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2879
MISSISSIPPI
SEPTEMBER 27, 2023

REGISTERED ARCHITECT
ANNE MARIE DECKER
3044
JACKSON, MS
STATE OF MISSISSIPPI
SEPTEMBER 27, 2023

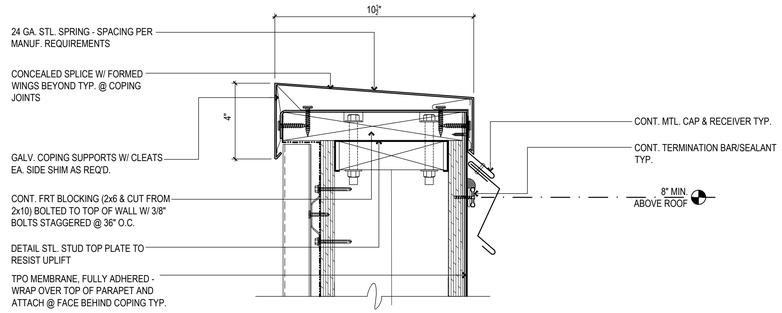
DRAWN BY: AMD	SCALE: NA
DESIGNED BY: AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

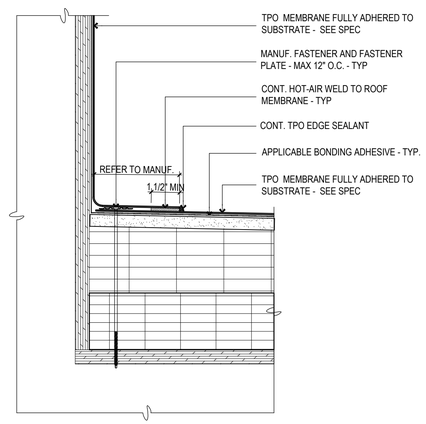
DRAWING TITLE

ROOF DETAILS

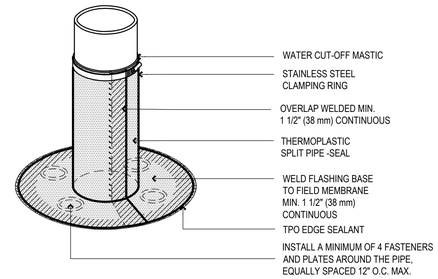
SHEET NUMBER

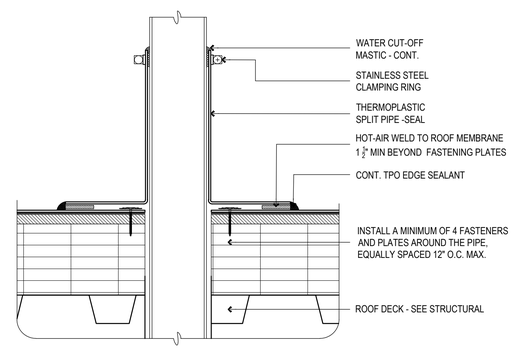
A9.0



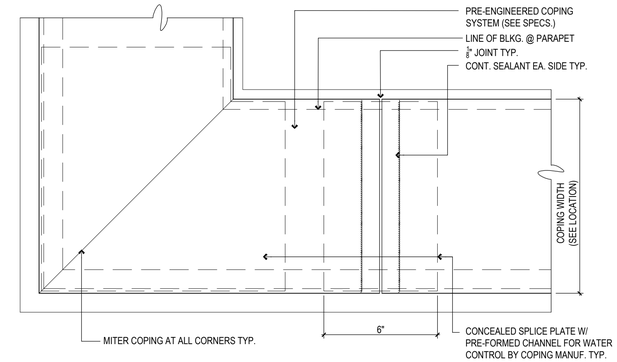


1 ROOF DETAIL - TYPICAL PARAPET CAP & ROOF TO WALL TRANSITION
3"=1'-0"

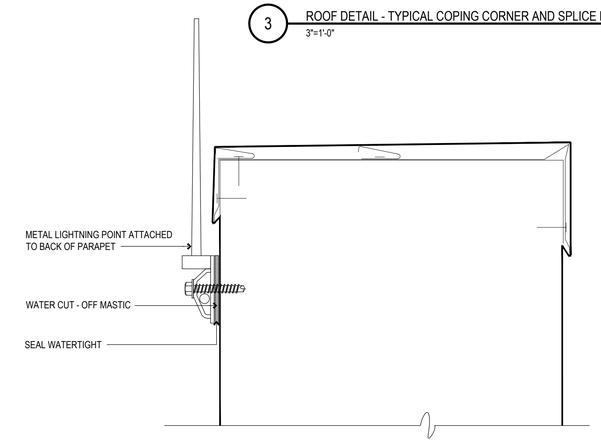




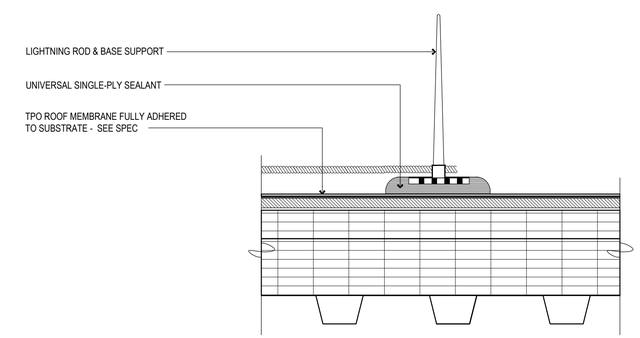
2 ROOF DETAIL - TYPICAL PIPE PENETRATION
3"=1'-0"



3 ROOF DETAIL - TYPICAL COPING CORNER AND SPLICE DETAIL
3"=1'-0"



NOTE: PRIMARY LIGHTENING POINT: PARAPET MOUNTED - USE AT THIS DETAIL WHEN POSSIBLE.



NOTE: SECONDARY LIGHTENING POINT: ROOF ATTACHED - USE ONLY WHEN THE PRIMARY LIGHTENING POINT DETAIL CANNOT BE USED.

4 ROOF DETAIL - TYPICAL LIGHTNING PROTECTION
3"=1'-0"

01" 3" 6" 1' 3'

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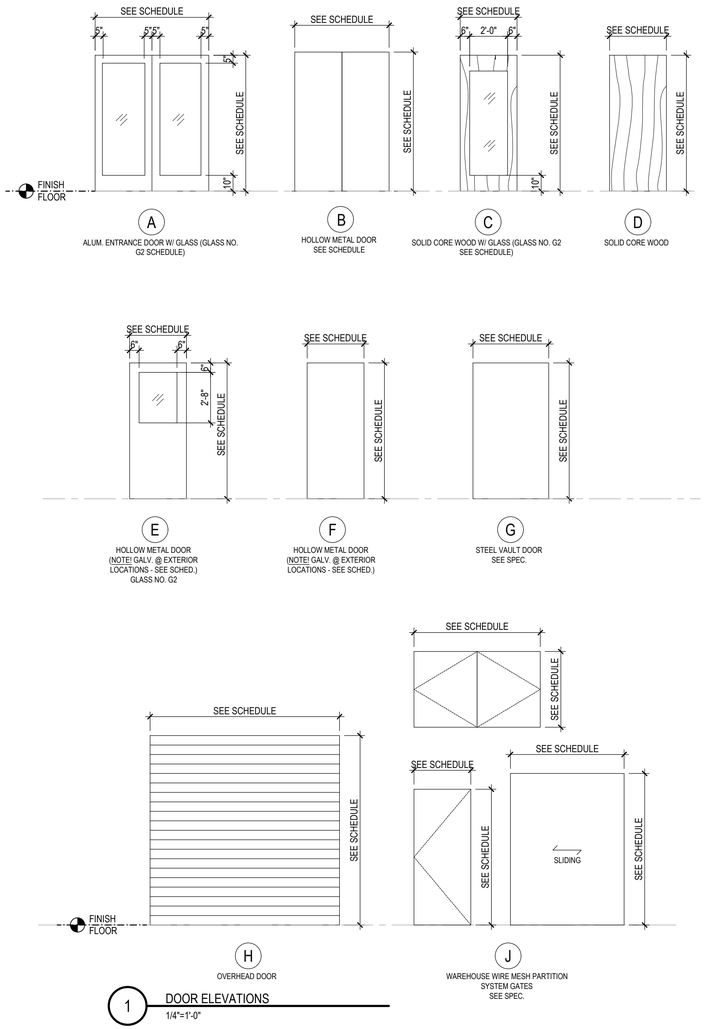
ROOF DETAILS

SHEET NUMBER

A9.1

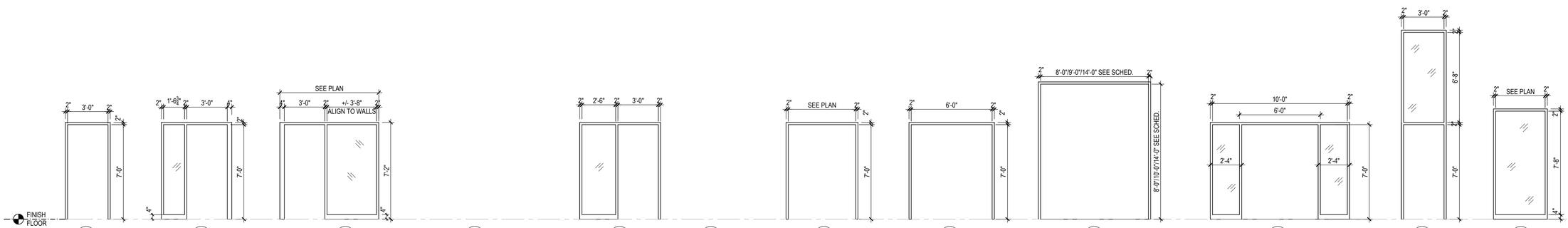


1 DOOR ELEVATIONS
1/4"=1'-0"

DOOR SCHEDULE

NO.	NEW/ EXISTING	DOOR DESCRIPTION	DOOR TYPE	DOOR MAT'L	DOOR FINISH	NOMINAL SIZE NO.	NOMINAL SIZE WDTH	NOMINAL SIZE HEIGHT	NOMINAL SIZE THICK	FRAME TYPE	FRAME MAT'L	FRAME FINISH	SECTIONS HEAD	SECTIONS JAMB	SECTIONS SILL	SPECIAL DETAIL	FIRE RATING	HARDWARE SET NO.	HARDWARE PULL FINISH	HARDWARE FINISH	REMARKS
101	NEW	MAIN ENTRY DOOR	A	ALUM		2	3'-0"	7'-0"	1-3/4"	E	ALUM		3/A10.2	4/A10.2	6/A10.2						
102	NEW	MECH DOOR	B	HM	PTD	2	3'-0"	7'-0"	1-3/4"	EX	HM	PTD	3/A10.2	7/A10.2	6/A10.2						EXISTING FRAME
103	NEW	BASE SUPPLY DOOR	C	WD	PREFINISH STAINED	1	3'-0"	7'-0"	1-3/4"	5	HM	PTD	1/A10.3	1&3/A10.3	4/A10.3						
104	NEW	TRAINING ROOM DOOR	C	WD	PREFINISH STAINED	1	3'-0"	7'-0"	1-3/4"	1	HM	PTD	1/A10.3	1/A10.3							
105	NEW	DISTRIBUTION DOOR	C	WD	PREFINISH STAINED	1	3'-0"	7'-0"	1-3/4"	2	HM	PTD	1/A10.3	2&3/A10.3	4/A10.3						
106	NEW	CONFERENCE ROOM DOOR	C	WD	PREFINISH STAINED	2	3'-0"	7'-0"	1-3/4"	10	HM	PTD									SEE SPEC FOR FRAME & HARDWARE. REINFORCE HEADER WITH DOUBLE WOOD 2X8 FOR HARDWARE SUPPORT.
107	NEW	WOMENS RESTROOM DOOR	D	WD	PREFINISH STAINED	1	3'-0"	7'-0"	1-3/4"	1	HM	PTD	1/A10.3	1&2/A10.3							
108	NEW	MENS RESTROOM DOOR	D	WD	PREFINISH STAINED	1	3'-0"	7'-0"	1-3/4"	1	HM	PTD	1/A10.3	1&2/A10.3							
109	NEW	WAREHOUSE ENTRY	A	ALUM	BRONZE	2	3'-0"	7'-0"	1-3/4"	E	ALUM		3/A10.2 SIM	4/A10.2 SIM	6/A10.2 SIM						
110	NEW	PUMP ROOM DOOR	B	HM	PTD	2	3'-0"	7'-0"	1-3/4"	8	HM	PTD	3/A10.2	7/A10.2							
111	NEW	DATA ROOM DOOR	D	WD	PREFINISHED STAINED	1	3'-0"	7'-0"	1-3/4"	1	HM	PTD	1/A10.3	1/A10.3							
112	NEW	ELEC. ROOM DOOR	D	WD	PREFINISHED STAINED	1	3'-0"	7'-0"	1-3/4"	1	HM	PTD	1/A10.3	1/A10.3							
113	NEW	VAULT DOOR	G	STL	PTD	1	3'-4"	6'-6"	SPEC	4	STL	PTD									SEE SPEC FOR DOOR, FRAME & HARDWARE
114	NEW	JAN. DOOR	D	WD	PREFINISH STAINED	1	3'-0"	7'-0"	1-3/4"	1	HM	PTD	1/A10.3	1/A10.3							
115	NEW	PPE TRAINING DOOR	D	WD	PREFINISH STAINED	1	3'-0"	7'-0"	1-3/4"	1	HM	PTD	7/A10.2	7/A10.2							
116	NEW	STORAGE DOOR	D	WD	PREFINISH STAINED	1	3'-0"	7'-0"	1-3/4"	1	HM	PTD	1/A10.3	1/A10.3							
117	NEW	FLIGHT SERVICES	C	WD	PREFINISH STAINED	1	3'-0"	7'-0"	1-3/4"	1	HM	PTD	1/A10.3	1/A10.3							
118	NEW	BOEING DOOR	C	WD	PREFINISH STAINED	1	3'-0"	7'-0"	1-3/4"	1	HM	PTD	1/A10.3	1/A10.3							
119	NEW	STORAGE DOOR	D	WD	PREFINISH STAINED	1	3'-0"	7'-0"	1-3/4"	1	HM	PTD	1/A10.3	1/A10.3							
120	NEW	DISTRIBUTION SUPERINTENDENT DOOR	C	WD	PREFINISH STAINED	1	3'-0"	7'-0"	1-3/4"	1	HM	PTD	1/A10.3	1/A10.3							
121	NEW	BASE SUPPLY SUPERINTENDENT DOOR	C	WD	PREFINISH STAINED	1	3'-0"	7'-0"	1-3/4"	1	HM	PTD	1/A10.3	1/A10.3							
122	NEW	DISTRIBUTION DOOR	C	WD	PREFINISH STAINED	1	3'-0"	7'-0"	1-3/4"	3	HM	PTD	1/A10.3	2&3/A10.3	4/A10.3						
123	NEW	EGRESS DOOR	E	HM	PTD	1	3'-0"	7'-0"	1-3/4"	1	HM	PTD	3/A10.2	7/A10.2	6/A10.2						
124	NEW	WAREHOUSE EXIT DOOR	E	HM	PTD	1	3'-0"	7'-0"	1-3/4"	EX	HM	PTD									EXISTING FRAME
125	NEW	PACKING AND CRATING DOOR	E	HM	PTD	1	3'-0"	7'-0"	1-3/4"	EX	HM	PTD									EXISTING FRAME
126	NEW	HAZARDOUS STORAGE DOOR	E	HM	PTD	1	3'-0"	7'-0"	1-3/4"	11	HM	PTD		5/A7.1	6/A10.2						
127	NEW	WAREHOUSE EXIT DOOR	E	HM	PTD	1	3'-0"	7'-0"	1-3/4"	11	HM	PTD		5/A7.1	6/A10.2						
128	NEW	WAREHOUSE EXIT DOOR	E	HM	PTD	1	3'-0"	7'-0"	1-3/4"	11	HM	PTD		5/A7.1	6/A10.2						
129	NEW	WAREHOUSE EXIT DOOR	E	HM	PTD	1	3'-0"	7'-0"	1-3/4"	11	HM	PTD		5/A7.1	6/A10.2						
130	NEW	NEW OVERHEAD DOOR	H		PREFINISH PAINTED	1	14'-0"	14'-0"		EX	STL	PTD	1/A8.1	4/A7.1							EX. FRAME TO REMAIN - PREPARE & PAINT PER SPEC
131	NEW	NEW OVERHEAD DOOR	H		PREFINISH PAINTED	1	14'-0"	14'-0"		9	STL	PTD	1/A8.1	4/A7.1							
132	NEW	NEW OVERHEAD DOOR	H		PREFINISH PAINTED	1	14'-0"	14'-0"		EX	STL	PTD	1/A8.1	4/A7.1							EX. FRAME TO REMAIN - PREPARE & PAINT PER SPEC
133	NEW	NEW OVERHEAD DOOR	H		PREFINISH PAINTED	1	14'-0"	14'-0"		EX	STL	PTD	1/A8.1	4/A7.1							EX. FRAME TO REMAIN - PREPARE & PAINT PER SPEC
134	NEW	NEW OVERHEAD DOOR	H		PREFINISH PAINTED	1	12'-0"	12'-0"		EX	STL	PTD	1/A8.1	1/A7.1							EX. FRAME TO REMAIN - PREPARE & PAINT PER SPEC
135	NEW	NEW OVERHEAD DOOR	H		PREFINISH PAINTED	1	9'-0"	10'-0"		9	STL	PTD	1/A8.0	2/A7.1							
136	NEW	NEW OVERHEAD DOOR	H		PREFINISH PAINTED	1	9'-0"	10'-0"		9	STL	PTD	1/A8.0	2/A7.1							
137	NEW	NEW OVERHEAD DOOR	H		PREFINISH PAINTED	1	8'-0"	8'-0"		9	STL	PTD	1/A7.1 SIM	1/A7.1							
138	NEW	CASED OPENING								7	HM	PTD	5/A10.3SIM	1/A10.3 SIM							
143	NEW	WAREHOUSE PARITION SLIDING GATE	J		PREFINISH PAINTED	1	6'-0"	8'-0"		SEE SPEC											
144	NEW	WAREHOUSE PARTITION SLIDING GATE	J		PREFINISH PAINTED	1	6'-0"	8'-0"		SEE SPEC											
145	NEW	WAREHOUSE PARITION SWING GATE	J		PREFINISH PAINTED	1	3'-0"	7'-0"		SEE SPEC											
146	NEW	WAREHOUSE PARTITION SWING GATE	J		PREFINISH PAINTED	1	3'-0"	7'-0"		SEE SPEC											
147	NEW	WAREHOUSE PARITION SWING GATE	J		PREFINISH PAINTED	1	3'-0"	7'-0"		SEE SPEC											
148	NEW	CASED OPENING								7	HM	PTD	5/A10.3	6/A10.3							
149	NEW	WAREHOUSE PARITION SWING GATE	J		PREFINISH PAINTED	1	3'-0"	7'-0"		SEE SPEC											
150	NEW	CORRIDOR DOOR	F	HM	PTD	1	3'-0"	7'-0"	1 3/4"	1	HM	PTD	1/A10.3 SIM	1/A10.3 SIM	6/A10.2						
151	NEW	HOLLOW METAL WINDOW WALL								12	HM	PTD	1/A10.3	1&2/A10.3	4/A10.3						
200	NEW	WAREHOUSE PARTITION SWING GATE	J		PREFINISH PAINTED	2	3'-4"	4'-0"		SEE SPEC											
201	NEW	WAREHOUSE PARTITION SWING GATE	J		PREFINISH PAINTED	1	2'-6"	4'-0"		SEE SPEC											
NO.	NEW/ EXISTING	SCOPE DESCRIPTION	TYPE	MAT'L	FINISH	NO.	WDTH	HEIGHT	THICK	TYPE	MAT'L	FINISH	HEAD	JAMB	SILL	SPECIAL DETAIL	FIRE RATING	SET NO.	PULL FINISH	HARDWARE FINISH	REMARKS
			DOOR			NOMINAL SIZE				FRAME			SECTIONS					HARDWARE			

NOTE! VERIFY OPENING DIMENSIONS PRIOR TO ORDERING OF DOORS



2 DOOR FRAME ELEVATIONS
1/4"=1'-0"

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SEAL:

ROY T. DECKER REGISTERED ARCHITECT 2879 MISSISSIPPI

SEPTEMBER 27, 2023

ANNE MARIE DECKER REGISTERED ARCHITECT 3044 JACKSON, MS STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

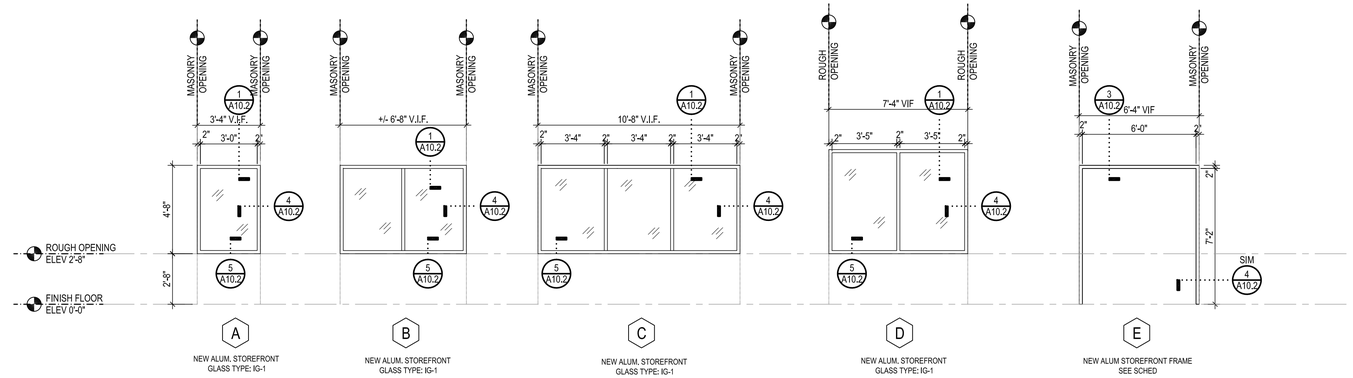
DRAWN BY: AMD/MCH	SCALE: N/A
DESIGNED BY: AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

DOOR SCHEDULE & ELEVATIONS

SHEET NUMBER

A10.0



1 STOREFRONT ELEVATIONS

1/4"=1'-0"

0 1" 2" 3" 6" 1'6"

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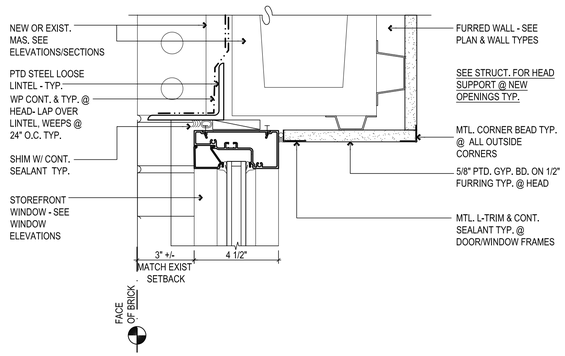
DOOR & WINDOW ELEVATIONS

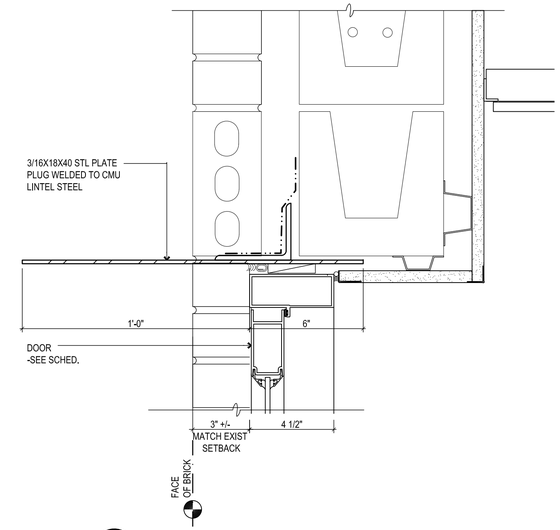
SHEET NUMBER

A10.1

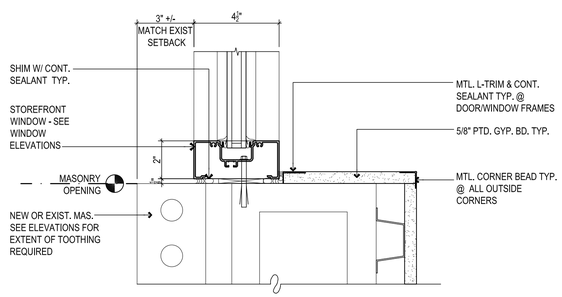


1 HEAD DETAIL - TYPICAL STOREFRONT WINDOW
3"=1'-0"

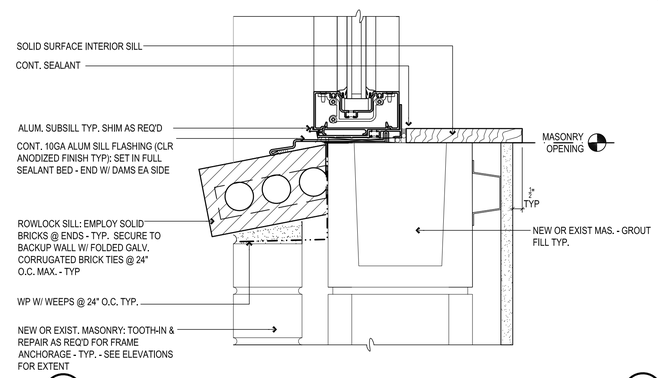
2 NOT USED
3"=1'-0"



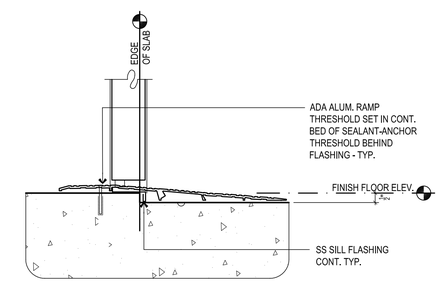
3 HEAD DETAIL - TYPICAL DOOR
3"=1'-0"



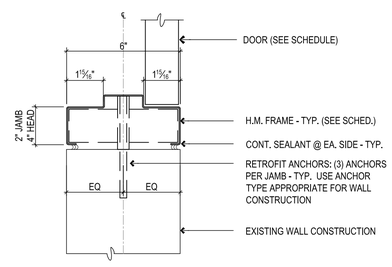
4 JAMB DETAIL - TYPICAL STOREFRONT
3"=1'-0"



5 SILL DETAIL - TYPICAL STOREFRONT WINDOW
3"=1'-0"



6 SILL DETAIL - TYPICAL STOREFRONT DOOR THRESHOLD
3"=1'-0"



7 JAMB DETAIL - TYPICAL HOLLOW METAL @ EXIST WALL
3"=1'-0"

NOTE:

NO.	NOTE
1	TYPICAL ASSEMBLY NOTES ARE PROVIDED @ 1ST WALL SECTION OR DETAIL THAT INCLUDES THAT ASSEMBLY. THESE NOTES ARE NOT REPEATED ON SUBSEQUENT SHEETS.
2	TYPICAL NOTES ARE NOT REPEATED FOR SIMILAR ASSEMBLIES, COMPONENTS, OR DETAILS THAT OCCUR IN MULTIPLE DRAWINGS. ONCE NOTED AS TYPICAL, NOTES SHALL APPLY TO ALL SIMILAR CONDITIONS.

0 1" 2" 3" 6" 1'6"

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MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

ROY T. DECKER REGISTERED ARCHITECT 2879 MISSISSIPPI
SEPTEMBER 27, 2023

ANNE MARIE DECKER REGISTERED ARCHITECT 3044 JACKSON, MS STATE OF MISSISSIPPI
SEPTEMBER 27, 2023

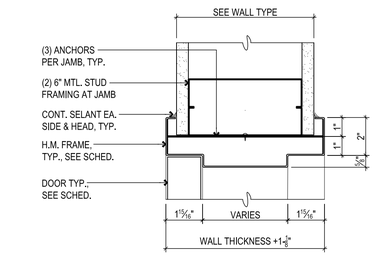
DRAWN BY: AMD	SCALE: NA
DESIGNED BY: AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

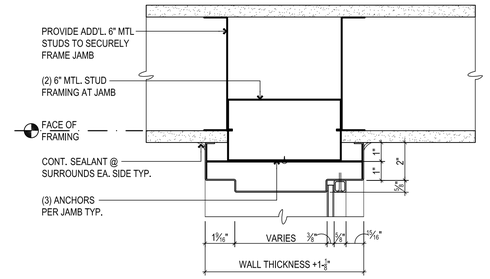
EXTERIOR DOOR & WINDOW DETAILS

SHEET NUMBER

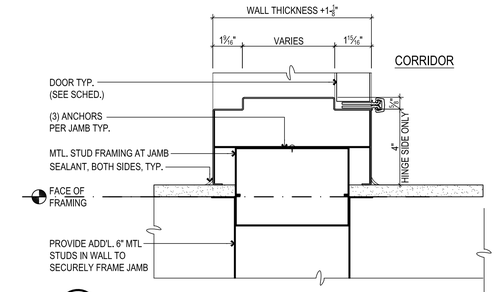
A10.2



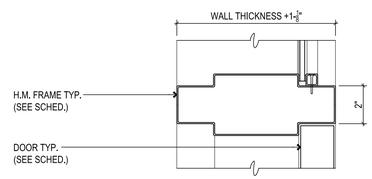
1 JAMB DETAIL (HEAD SIMILAR) - TYPICAL HOLLOW METAL
3"=1'-0"



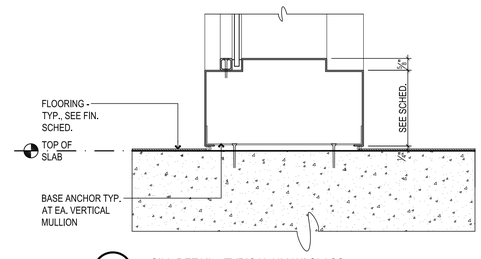
2A JAMB DETAIL - TYPICAL HM FRAME PERPENDICULAR TO WALL
3"=1'-0"



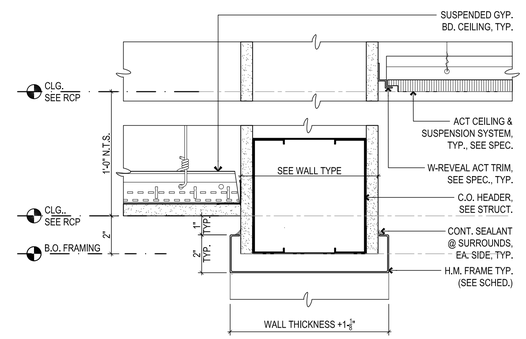
2B JAMB DETAIL - TYPICAL HM FRAME PERPENDICULAR TO WALL (HINGE)
3"=1'-0"



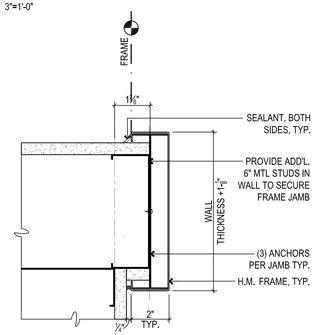
3 MULLION DETAIL - TYPICAL HM DOOR TO GLASS
3"=1'-0"



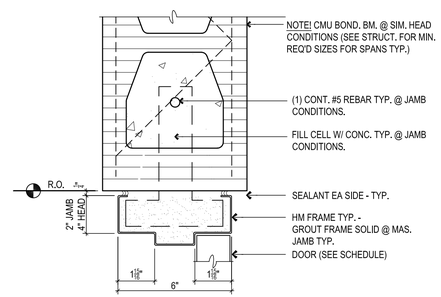
4 SILL DETAIL - TYPICAL HM W/ GLASS
3"=1'-0"



5 HEAD DETAIL - TYPICAL HM CASE OPENING
3"=1'-0"



6 JAMB DETAIL TYPICAL HM CASED OPENING
3"=1'-0"



7 JAMB DETAIL (HEAD SIMILAR) - TYPICAL HM @ MAS. WALL
3"=1'-0"

NOTE:

NO.	NOTE
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MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

ROY T. DECKER REGISTERED ARCHITECT 2879 MISSISSIPPI
SEPTEMBER 27, 2023

ANNE MARIE DECKER REGISTERED ARCHITECT 3044 JACKSON, MS STATE OF MISSISSIPPI
SEPTEMBER 27, 2023

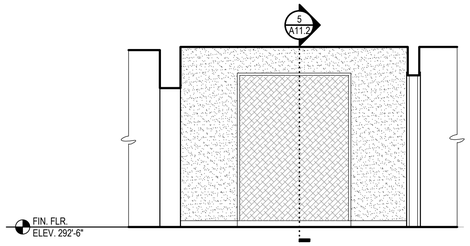
DRAWN BY: AMD	SCALE: NA
DESIGNED BY: AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

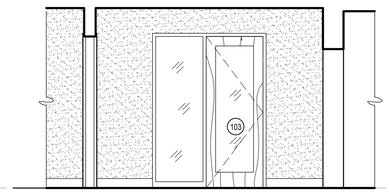
INTERIOR DOOR & WINDOW DETAILS

SHEET NUMBER

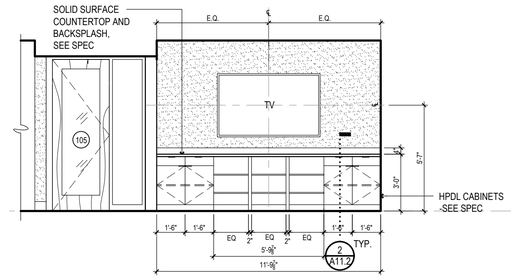
A10.3



1 INTERIOR ELEVATION-FRONT ENTRY VESTIBULE 1
1/4"=1'-0"

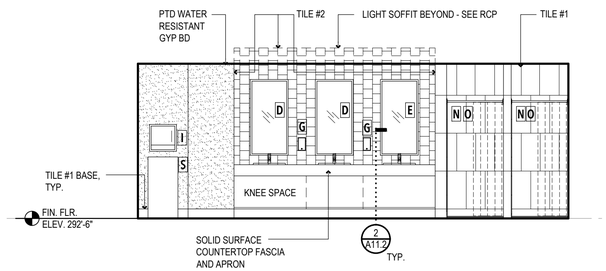


2 INTERIOR ELEVATION- FRONT ENTRY VESTIBULE 2
1/4"=1'-0"

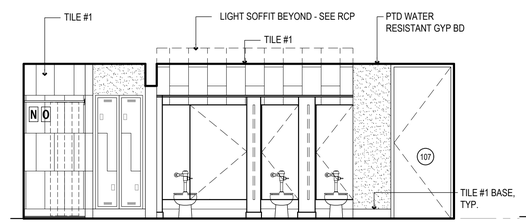


3 INTERIOR ELEVATION- CONFERENCE ROOM 102
1/4"=1'-0"

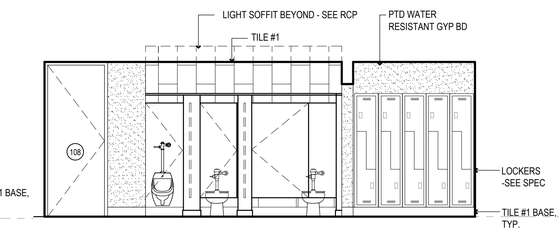
4 NOT USED



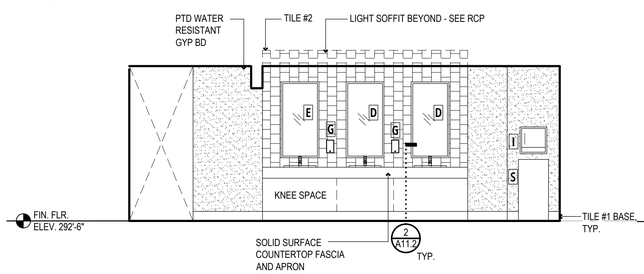
5 INTERIOR ELEVATION-WOMENS RESTROOM 113
1/4"=1'-0"



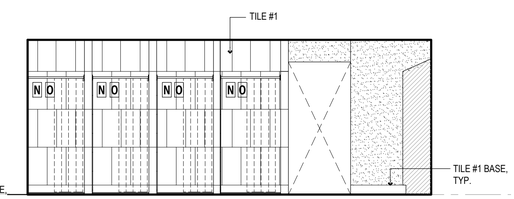
6 INTERIOR ELEVATION-WOMENS RESTROOM 113
1/4"=1'-0"



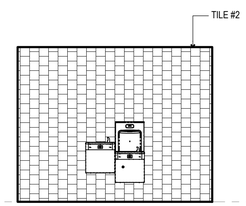
7 INTERIOR ELEVATION-MENS RESTROOM 112
1/4"=1'-0"



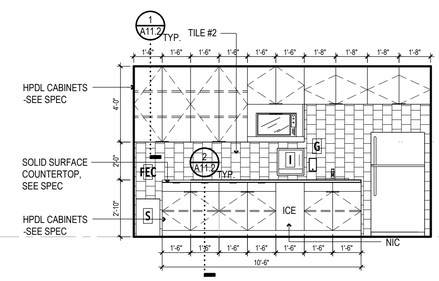
8 INTERIOR ELEVATION-MENS RESTROOM 112
1/4"=1'-0"



9 INTERIOR ELEVATION-MENS RESTROOM 112
1/4"=1'-0"

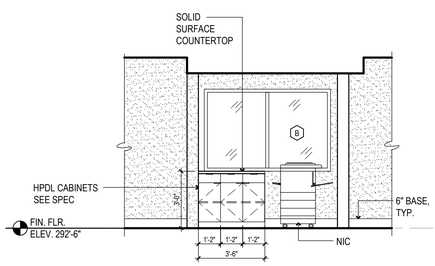


10 INTERIOR ELEVATION- BOTTLE FILLER ALCOVE
1/4"=1'-0"

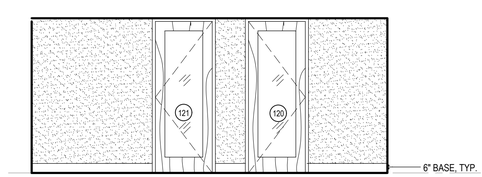


11 INTERIOR ELEVATION-BREAK ROOM 111
1/4"=1'-0"

12 NOT USED



13 INTERIOR ELEVATION-COPY ROOM 103B
1/4"=1'-0"



14 INTERIOR ELEVATION-BASE SUPPLY 103A
1/4"=1'-0"

0 1' 2' 4' 8' 16'

ACCESSORY LEGEND (SEE SPECS):

A	GRAB BARS
B	TOILET TISSUE DISPENSER
C	SANITARY NAPKIN DISPOSAL
D	WALL MOUNTED MIRROR W/ SHELF
E	ADA WALL MOUNTED MIRROR
F	NOT USED
G	SOAP DISPENSER
H	NOT USED
I	PAPER TOWEL DISPENSER - SEMI-RECESSED
J	NOT USED
JJ	NOT USED
K	NOT USED
L	ROBE HOOK
M	WALL MOUNTED MOP/BROOM RACK
N	SHOWER CURTAIN ROD
O	SHOWER CURTAIN
P	ADA SHOWER SEAT
Q	WALL MOUNTED SOAP DISH
R	NOT USED
S	36 GALLON FREE STANDING TRASH CAN

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RENOVATE BASE SUPPLY WAREHOUSE B180

MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

ROY T. DECKER
REGISTERED ARCHITECT
2879
MISSISSIPPI

SEPTEMBER 27, 2023

REGISTERED ARCHITECT
ANNE MARIE DECKER
3044
JACKSON, MS
STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

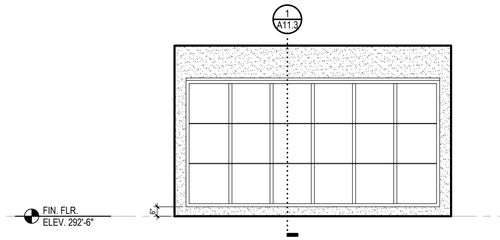
DRAWN BY: MCH	SCALE: NA
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

INTERIOR ELEVATIONS

SHEET NUMBER

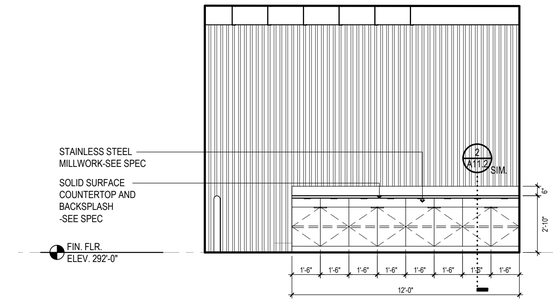
A11.0



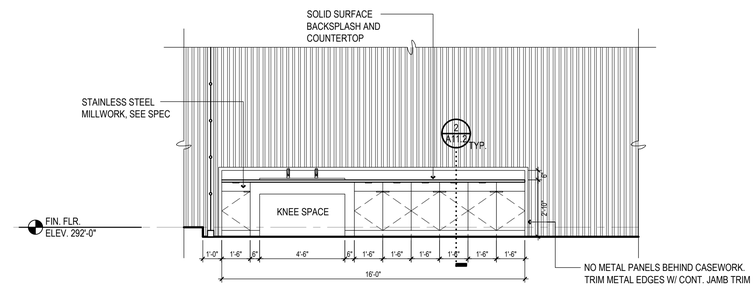
1 INTERIOR ELEVATION-TROPHY CASE
1/4"=1'-0"

2 NOT USED

3 NOT USED



4 INTERIOR ELEVATION-RECEVING
1/4"=1'-0"



5 NOT USED

6 NOT USED

7 NOT USED

8 NOT USED

9 INTERIOR ELEVATION-CONTROLLED WAREHOUSE WORKSPACE

0 1' 2' 4' 8' 16'

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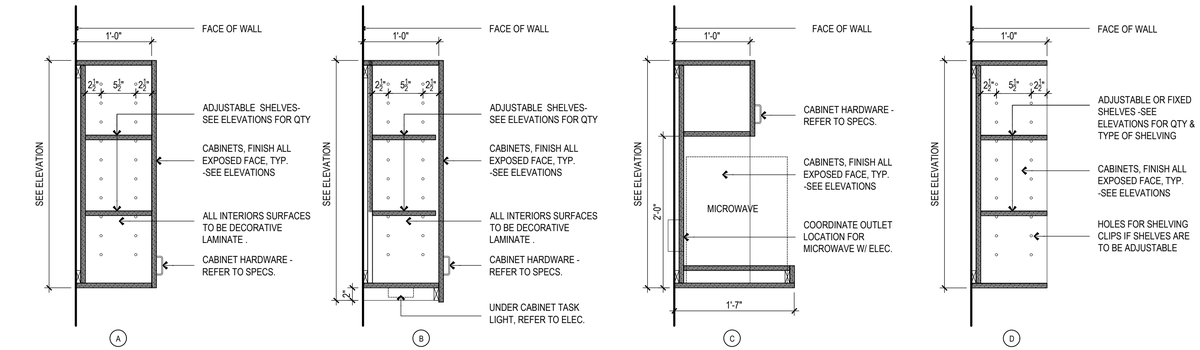
DRAWING TITLE

INTERIOR ELEVATIONS

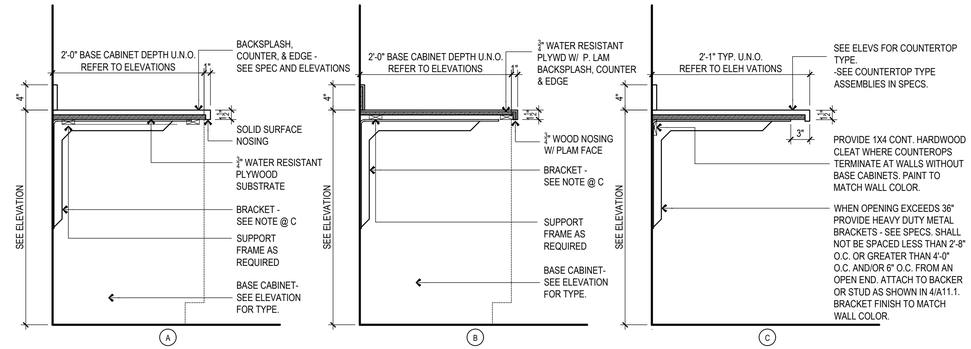
SHEET NUMBER

A11.1



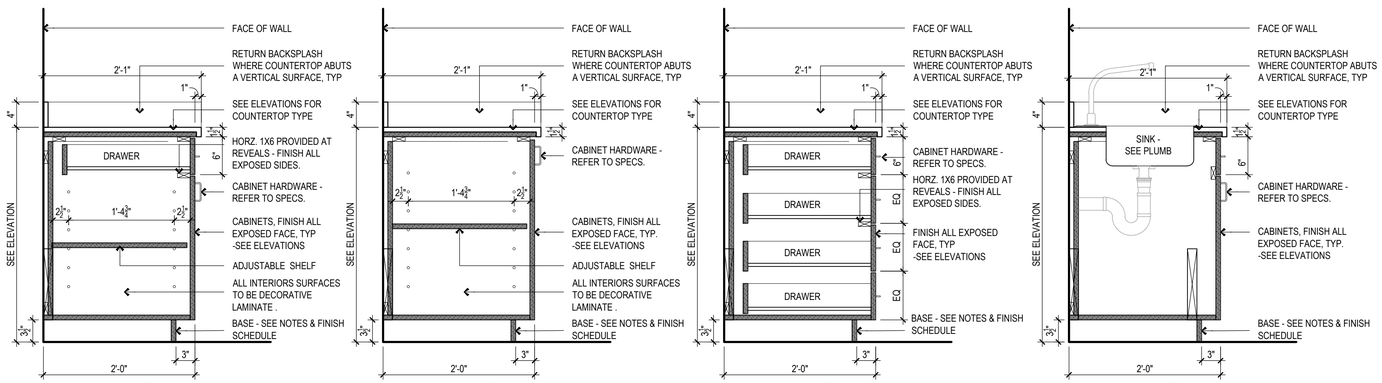
UPPER CABINET | **UPPER CABINET W/ TASK LIGHT** | **UPPER CABINET W/ MICROWAVE SHELF** | **UPPER CABINET W/ OPEN SHELVING**

1 TYPICAL UPPER CABINET SECTIONS
1" = 1'-0"

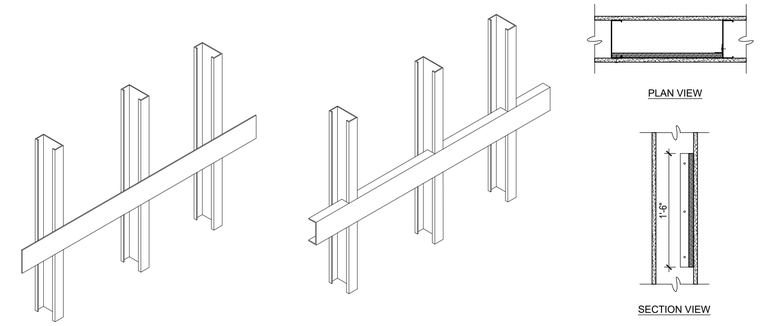


TYPICAL SOLID SURFACE COUNTERTOP ON BASE CABINET | **TYPICAL DECORATIVE LAMINATE COUNTERTOP ON BASE CABINET** | **TYPICAL COUNTERTOP ON SUPPORT BRACKETS (SEE ELEVATION FOR FINISH TYPE)**

3 TYPICAL COUNTERTOP SECTIONS
1" = 1'-0"



BASE CABINET W/ DOOR & (1) DRAWER | **BASE CABINET W/ DOOR** | **BASE CABINET W/ (4) DRAWERS** | **BASE CABINET W/ SINK & DOOR**



BACKING OPTION A

6" X 20 GA BACKING PLATE. FASTEN TO STUDS W/ (3) #10 WAFER HEAD SELF TAPPING SCREWS PER STUD. ALL BACKING TO SPAN MINIMUM OF 3 STUDS. BACKING PLATE TO BE Fy=50ksi

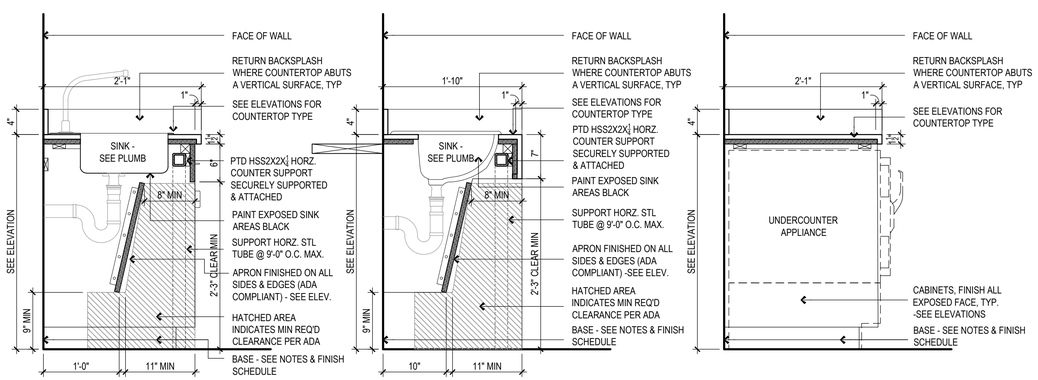
BACKING OPTION B

6" X 20 GA CEE STUD NOTCH AND FASTEN STUDS W/ (3) #10 WAFER HEAD SELF DRILLING SCREWS PER STUD. ALL BACKING TO SPAN A MINIMUM OF (3) STUDS. BACKING PLATES TO BE Fy= 50ksi STEEL

BACKING OPTION C

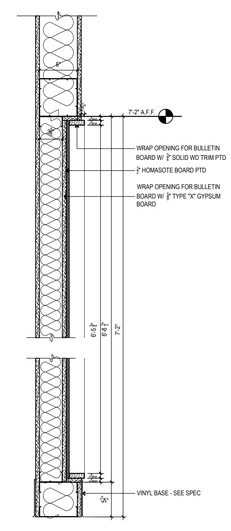
¾" X 1'- 6" X STUD SPACING FIRE RETARDANT PLYWOOD ATTACHED TO STUDS WITH A KERF CUT ON ONE SIDE AND A 2"X2" ANGLE ON THE OTHER SIDE.

4 TYPICAL MOUNTING BACKING OPTIONS
1" = 1'-0"



ACCESSIBLE BASE CABINET W/ SINK | **ACCESSIBLE BASE CABINET W/ SINK AT BATHROOMS** | **BASE CABINET W/ OPENING FOR UNDER COUNTER APPLIANCE**

2 TYPICAL BASE CABINET SECTIONS
1" = 1'-0"



5 RECESSED DISPLAY
1" = 1'-0"

GENERAL ARCHITECTURAL WOOD CASEWORK NOTES

NOTATION REFERRING TO "CASEWORK" SHALL REFER TO BOTH ARCHITECTURAL CASEWORK AND MILLWORK, UNLESS NOTED OTHERWISE.

NO.	NOTE
1	CASEWORK AND EXPOSED SHELVING SHALL BE HIGH PRESSURE DECORATIVE LAMINATE (HPDL), UNLESS OTHERWISE NOTED.
2	ALL INTERIOR SURFACES SHALL BE DECORATIVE LAMINATE, UNLESS OTHERWISE NOTED.
3	CABINET FACE TYPES SHALL BE FLUSH OVERLAY, UNLESS OTHERWISE NOTED.
4	ALL BASE CABINETS, UPPER CABINETS, AND TALL STORAGE CABINETS SHALL HAVE FINISHED END PANELS AT ENDS, UNLESS OTHERWISE NOTED. SHOP DRAWINGS SHALL INDICATE THIS.
5	CABINET BASE AT FLOOR SHALL HAVE HPDL FINISH AND BASE FINISH AS INDICATED ON THE FINISH SCHEDULE FOR THE ROOM. REFER TO INTERIOR FINISH SHEETS AND INTERIOR ELEVATIONS.
6	REFER TO INTERIOR ELEVATIONS FOR QUANTITY OF ADJUSTABLE SHELVING AND CONFIGURATION. SHELF MATERIAL SHALL MATCH INTERIOR CABINET MATERIAL, UNLESS NOTED OTHERWISE.
7	ALL CASEWORK TO BE ANCHORED TO BACKING PLATES. REFER TO DETAIL 4/A11.1 FOR ANCHORAGE/BACKING DETAILS.
8	TYPICAL CABINETRY PROFILES SHOWN TO CONVEY CRITICAL DIMENSIONS. REFER TO ELEVATIONS FOR SPECIFIC CONFIGURATIONS. REFER TO SPECIFICATIONS FOR JOINERY AND QUALITY REQUIREMENTS.
9	MINIMIZE JOINTS IN COUNTERTOPS. SEAL ANY OPEN JOINTS WITH FDA APPROVED SILICONE SEALANT..
10	COUNTERTOPS TO HAVE SQUARE EDGE AT ALL EXPOSED OUTSIDE CORNERS UNLESS OTHERWISE NOTED.
11	GROMMETS - PROVIDE A GROMMET AT EACH LOCATION WHERE POWER AND/OR TELEPHONE/DATA DEVICE OCCUR BELOW A COUNTERTOP, UNLESS OTHEWISE NOTED.

01" 3" 6" 1' 3'

NOTE:
1)SEE OTHER DETAILS FOR TYPICAL ASSEMBLY NOTES. THESE NOTES ARE NOT REPEATED ON SUBSEQUENT SHEETS
2) TYPICAL NOTES ARE NOT REPEATED FOR SIMILAR ASSEMBLIES, ITEMS, AND/OR DETAILS THAT OCCUR IN MULTIPLE LOCATIONS

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RENOVATE BASE SUPPLY WAREHOUSE B180

MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

ROY T. DECKER
REGISTERED ARCHITECT
2879
MISSISSIPPI

SEPTEMBER 27, 2023

REGISTERED ARCHITECT
ANNE MARIE DECKER
3044
JACKSON, MS
STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

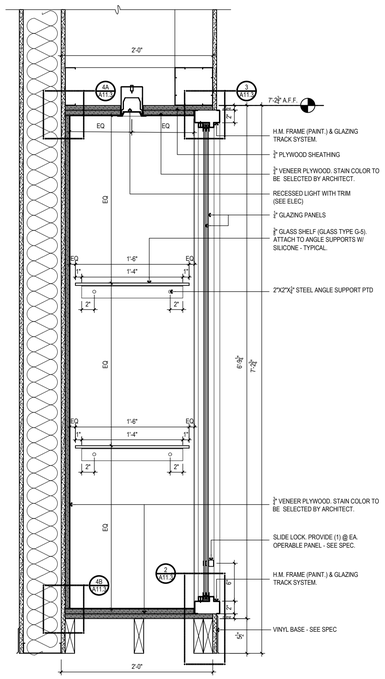
DRAWN BY: MCH	SCALE: 1"=1'-0"
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: C013 - 063.01

DRAWING TITLE

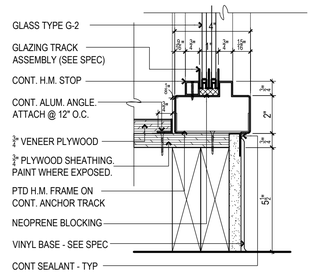
TYPICAL MILLWORK DETAILS

SHEET NUMBER

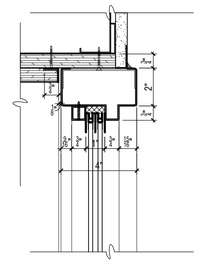
A11.2



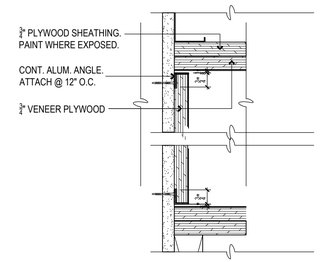
1 TROPHY CASE
1"=1'-0"



2 MILLWORK DETAIL
3"=1'-0"

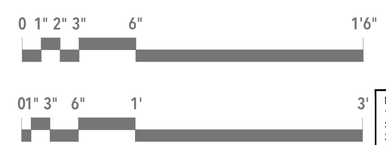


3 MILLWORK DETAIL
3"=1'-0"



4A MILLWORK DETAIL
3"=1'-0"

4B MILLWORK DETAIL
3"=1'-0"



NOTE:
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2879
MISSISSIPPI

SEPTEMBER 27, 2023

REGISTERED ARCHITECT
ANNE MARIE DECKER
3044
JACKSON, MS
STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

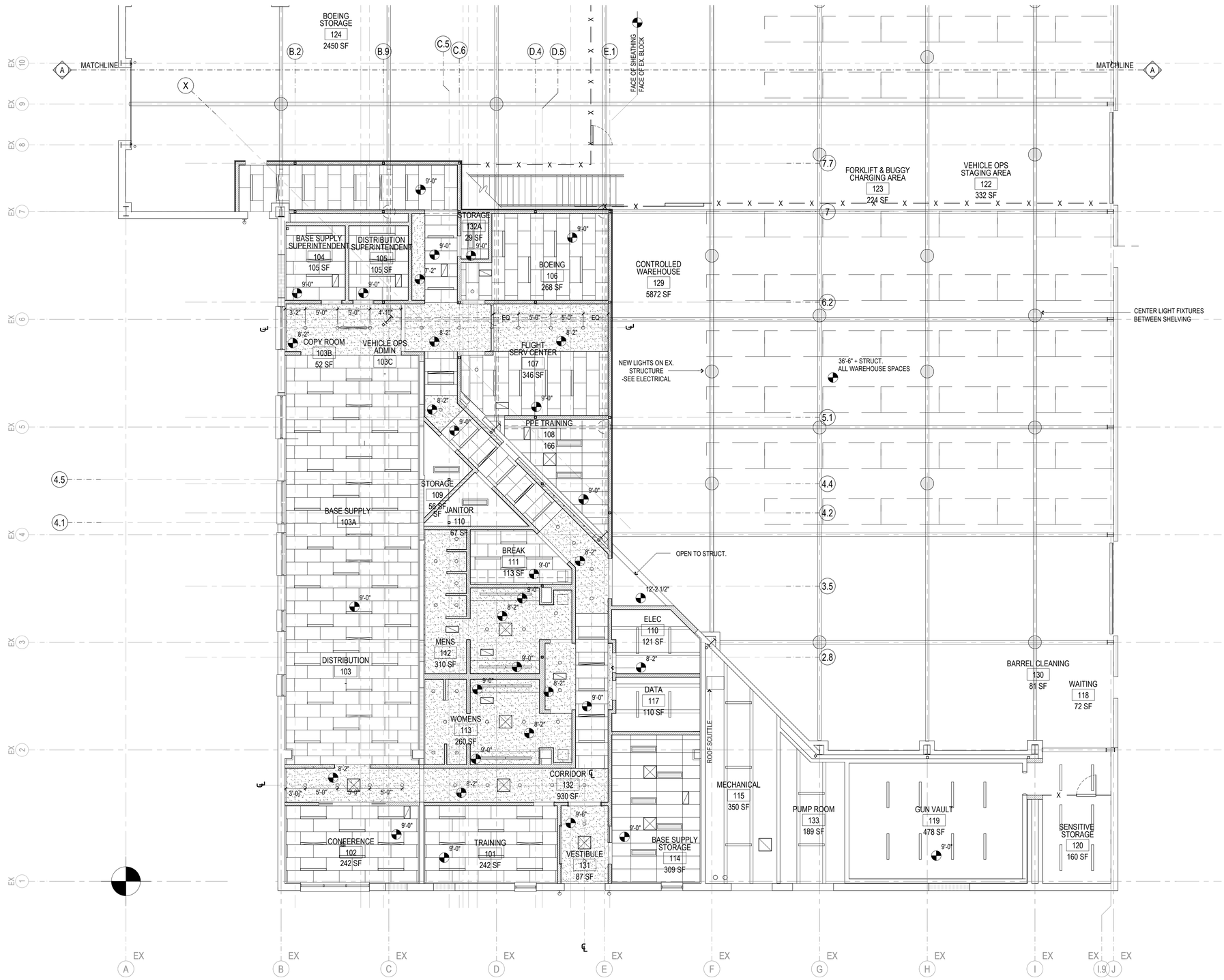
DRAWN BY: MCH	SCALE: AS NOTED
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: C013 - 063.01

DRAWING TITLE

TYPICAL
MILLWORK DETAILS

SHEET NUMBER

A11.3

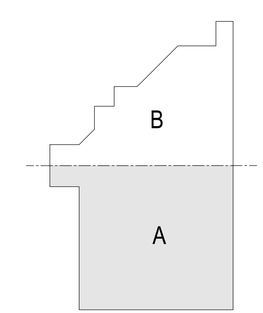


1 RCP-01 AREA A
1/8"=1'-0"

NOTE:
1) CENTER LIGHT FIXTURES BETWEEN SHELVING IN WAREHOUSE WHERE SHELVING OCCURS BELOW. CENTER ON STRUCTURE AT OTHER LOCATIONS IN WAREHOUSE AS SHOWN.

REFLECTED CEILING PLAN LEGEND

- METAL PANEL
- NEW ACT CEILING & SUPPORT GRID
- NEW GYP. BD.
- NEW SPECIAL GYP. BD.
- EXISTING STRUCTURE - PTD.
- SOUND BATT INSULATION
- HVAC SUPPLY DIFFUSER
- LINEAR SUPPLY DIFFUSER
- HVAC RETURN DIFFUSER
- 2'x2' RECESSED TROFFER
- 6" RECESSED DOWNLIGHT
- LINEAR LIGHT PENDANT MOUNTED
- LINEAR LIGHT FIXTURE SURFACE MOUNTED
- 9'-4" DROPPED CEILING HEIGHT ABOVE FLOOR
- TAPE LIGHT



N

0 2' 4' 8' 16' 30'

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SEPTEMBER 27, 2023

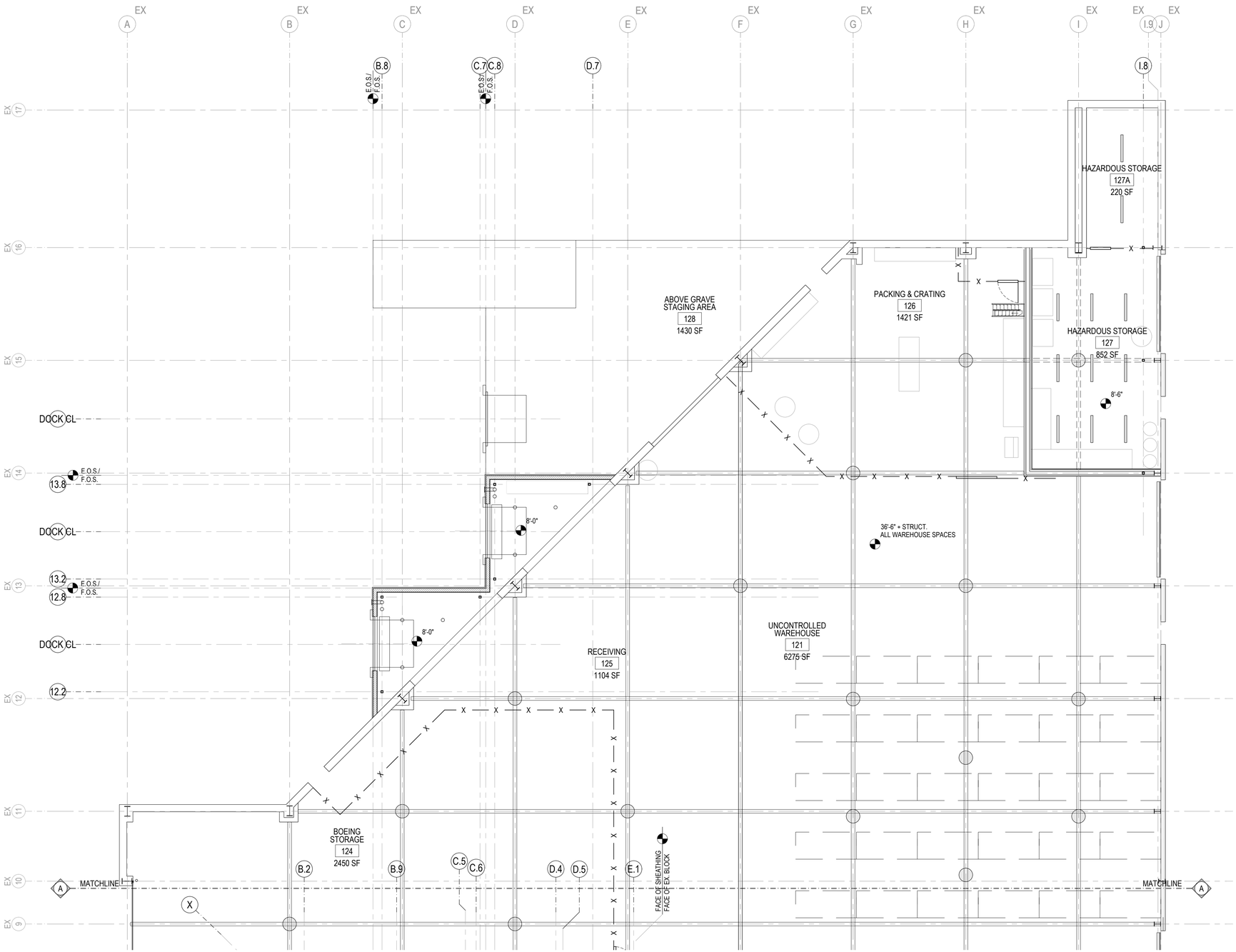
DRAWN BY: MCH	SCALE: NA
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

FIRST FLOOR REFLECTED CEILING PLAN-AREA A

SHEET NUMBER

A12.1A



NOTE:
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REFLECTED CEILING PLAN LEGEND

- METAL PANEL
- NEW ACT CEILING & SUPPORT GRID
- NEW GYP. BD.
- NEW SPECIAL GYP. BD.
- EXISTING STRUCTURE - PTD.
- SOUND BATT INSULATION
- HVAC SUPPLY DIFFUSER
- LINEAR SUPPLY DIFFUSER
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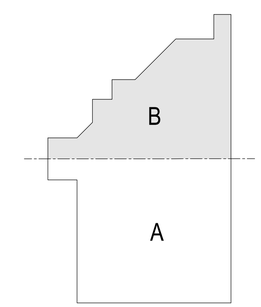
- 6" RECESSED DOWNLIGHT
- LINEAR LIGHT PENDANT MOUNTED
- LINEAR LIGHT FIXTURE SURFACE MOUNTED
- 9'-4" DROPPED CEILING HEIGHT ABOVE FLOOR
- TAPE LIGHT



1 RCP-01 AREA B
1/8"=1'-0"

N

0 2' 4' 8' 16' 30'

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SEPTEMBER 27, 2023

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ANNE MARIE DECKER
3044
JACKSON, MS
STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

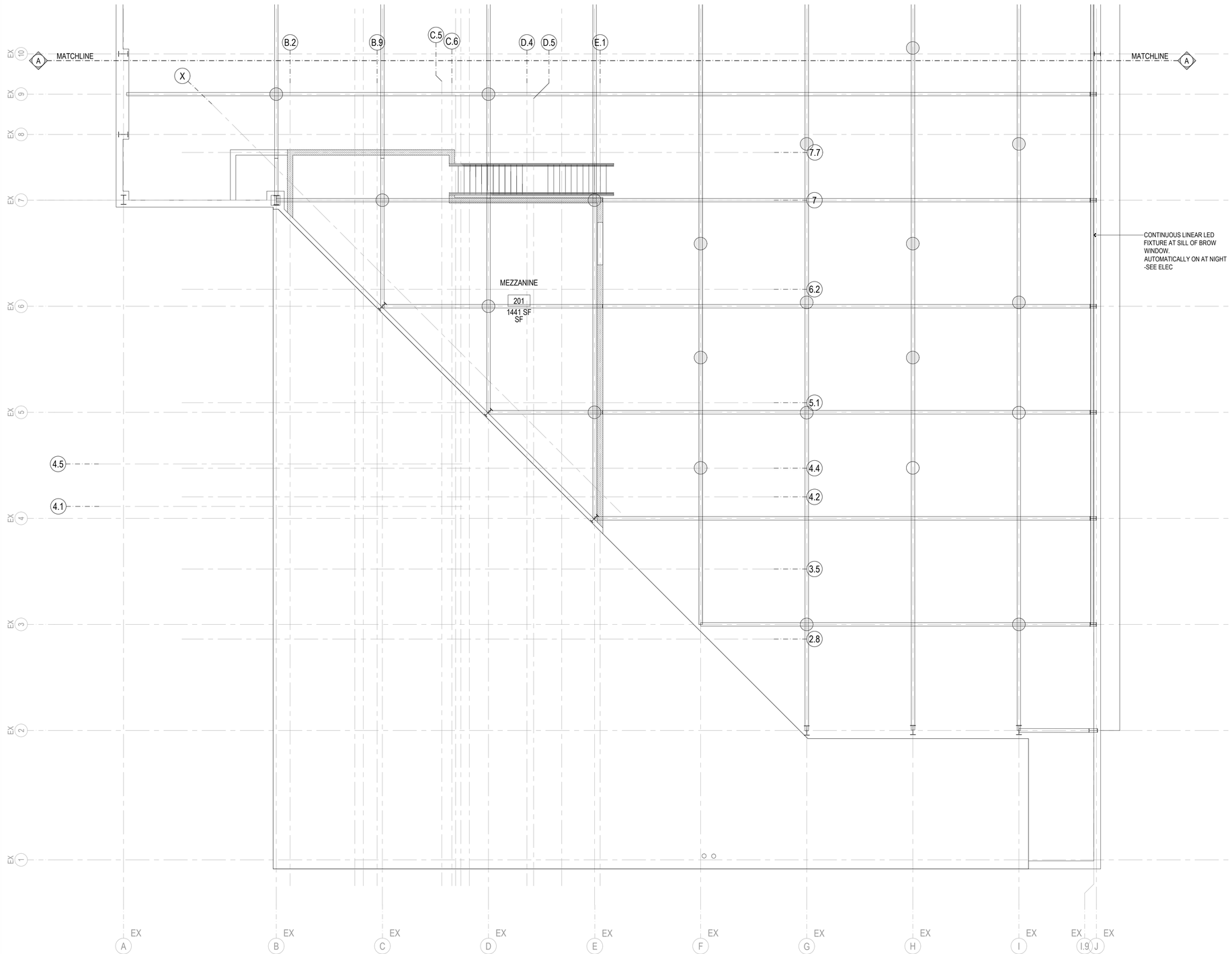
DRAWN BY: MCH	SCALE: NA
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

FIRST FLOOR REFLECTED CEILING PLAN-AREA B

SHEET NUMBER

A12.1B



NOTE:
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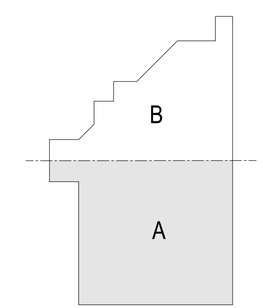
REFLECTED CEILING PLAN LEGEND

- METAL PANEL
- NEW ACT CEILING & SUPPORT GRID
- NEW GYP. BD.
- NEW SPECIAL GYP. BD.
- EXISTING STRUCTURE - PTD.
- SOUND BATT INSULATION
- HVAC SUPPLY DIFFUSER
- LINEAR SUPPLY DIFFUSER
- HVAC RETURN DIFFUSER
- 2'x2' RECESSED TROFFER
- 6" RECESSED DOWNLIGHT
- LINEAR LIGHT PENDANT MOUNTED
- LINEAR LIGHT FIXTURE SURFACE MOUNTED
- 9'-4" DROPPED CEILING HEIGHT ABOVE FLOOR
- TAPE LIGHT



1 RCP-02 AREA A
1/8"=1'-0"

N

0 2' 4' 8' 16' 30'

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MISSISSIPPI

SEPTEMBER 27, 2023

ANNE MARIE DECKER
REGISTERED ARCHITECT
3044
JACKSON, MS
STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

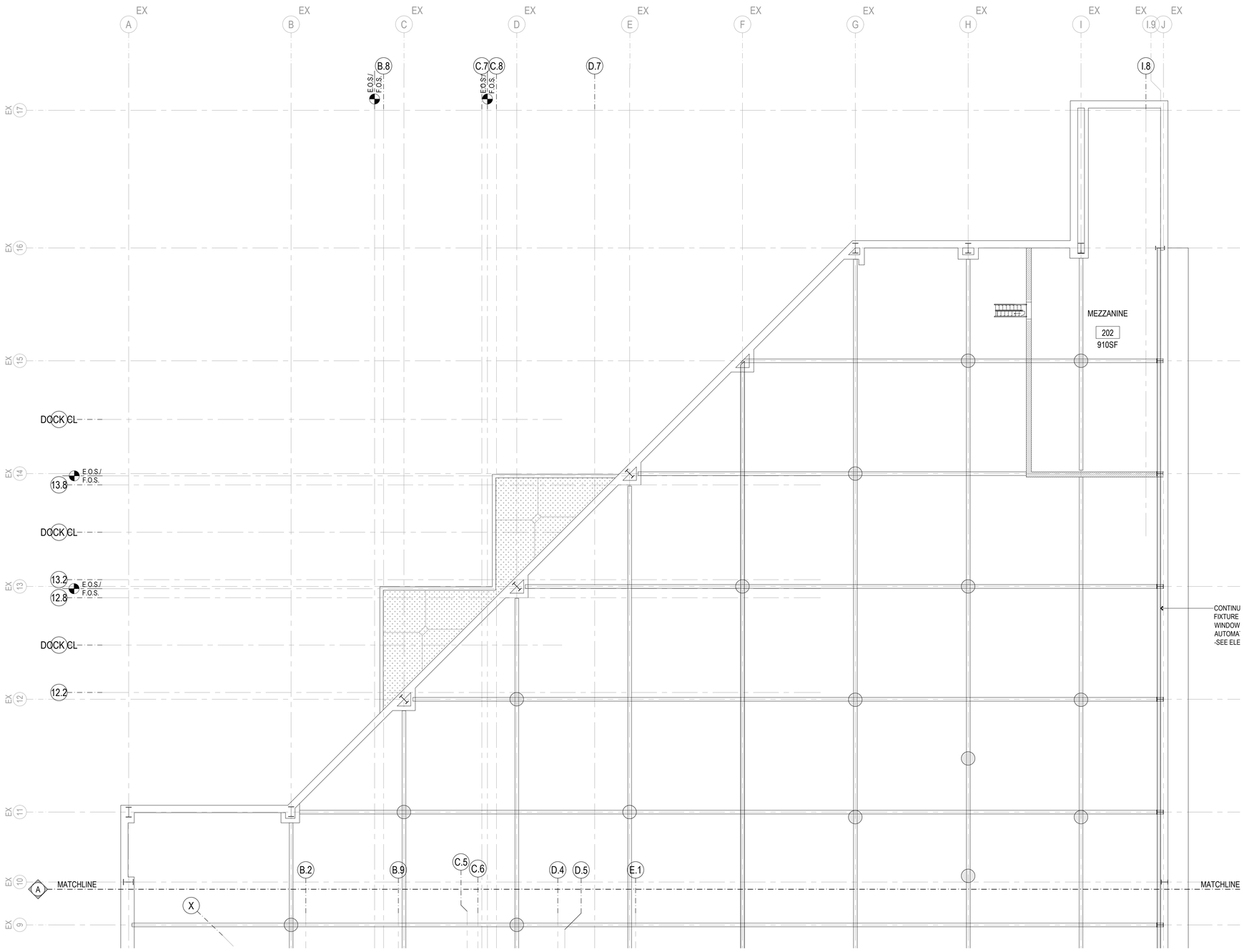
DRAWN BY: MCH	SCALE: NA
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

SECOND FLOOR REFLECTED CEILING PLAN-AREA A

SHEET NUMBER

A12.2A



NOTE:
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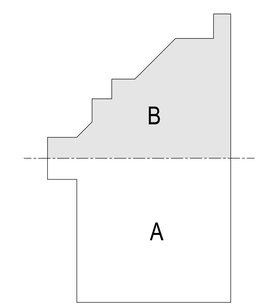
REFLECTED CEILING PLAN LEGEND

- METAL PANEL
- NEW ACT CEILING & SUPPORT GRID
- NEW GYP. BD.
- NEW SPECIAL GYP. BD.
- EXISTING STRUCTURE - PTD.
- SOUND BATT INSULATION
- HVAC SUPPLY DIFFUSER
- LINEAR SUPPLY DIFFUSER
- HVAC RETURN DIFFUSER
- 2'x2' RECESSED TROFFER
- 6" RECESSED DOWNLIGHT
- LINEAR LIGHT PENDANT MOUNTED
- LINEAR LIGHT FIXTURE SURFACE MOUNTED
- 9'-4" DROPPED CEILING HEIGHT ABOVE FLOOR
- TAPE LIGHT



1 RCP-02 AREA B
1/8"=1'-0"

N

0 2' 4' 8' 16' 30'

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MISSISSIPPI

SEPTEMBER 27, 2023

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ANNE MARIE DECKER
3044
JACKSON, MS
STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

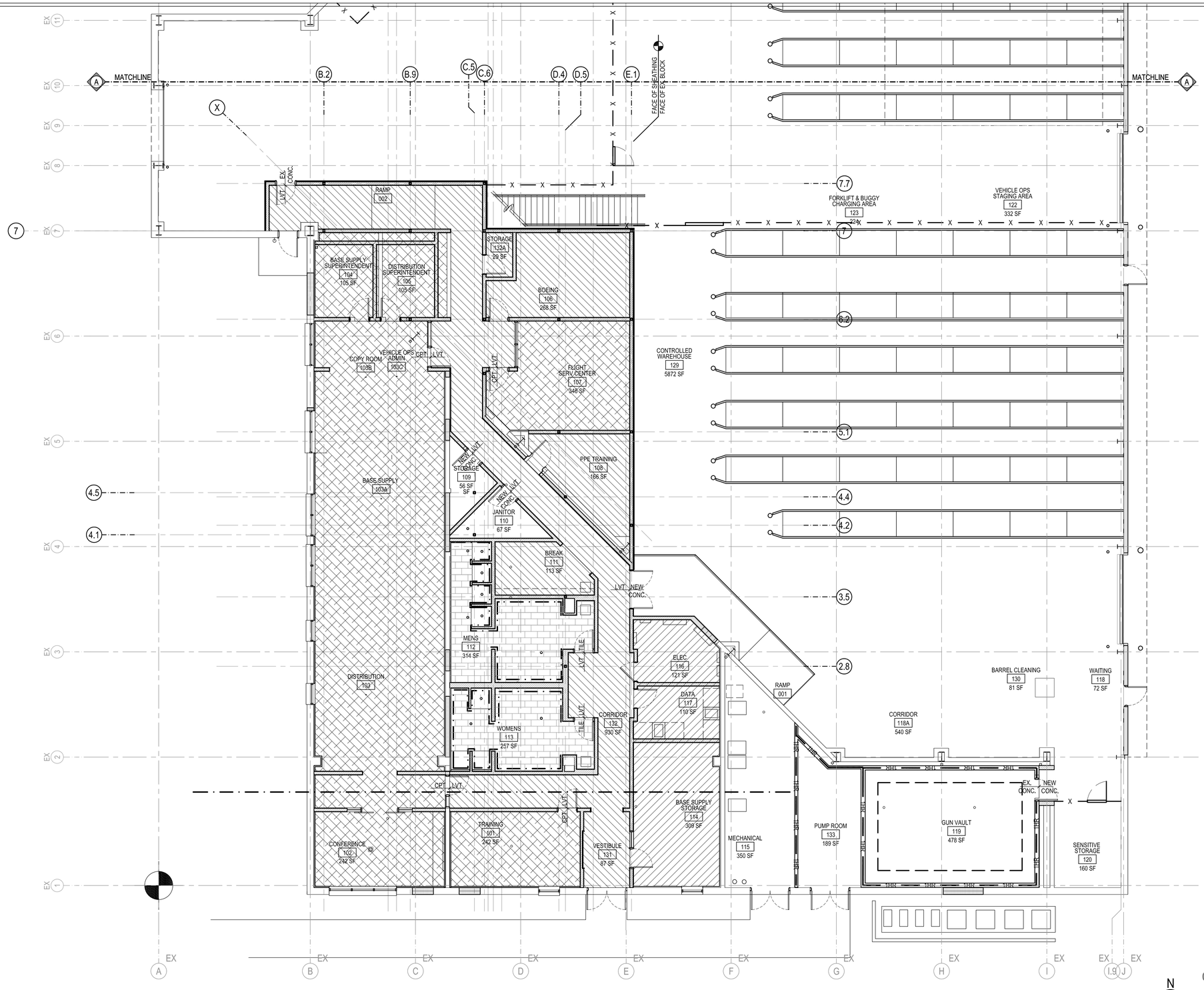
DRAWN BY: MCH	SCALE: NA
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

SECOND FLOOR REFLECTED CEILING PLAN-AREA B

SHEET NUMBER

A12.2B

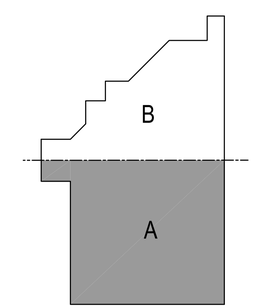


1 FIRST FLOOR FINISH PLAN- PART A
1/8"=1'-0"

FINISH FLOOR PLAN LEGEND

- NEW OR EXISTING CONCRETE POLISHED AND/OR SEALED - SEE FINISH SCHEDULE
- CARPET TILE -SEE SPEC
- LVT -SEE SPEC
- TILE FLOOR- COLOR & TILE PATTERN TO BE PROVIDED BY ARCHITECT
- WALL TILE - SEE INTERIOR ELEVATIONS FOR TYPES

* SEE DEMOLITION DRAWINGS FOR EXISTING CONDITIONS. PREPARE FLOORS AS REQUIRED.



0 2' 4' 8' 16' 30'

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SEAL:

ROY T. DECKER REGISTERED ARCHITECT 2879 MISSISSIPPI

SEPTEMBER 27, 2023

ANNE MARIE DECKER REGISTERED ARCHITECT 3044 JACKSON, MS STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

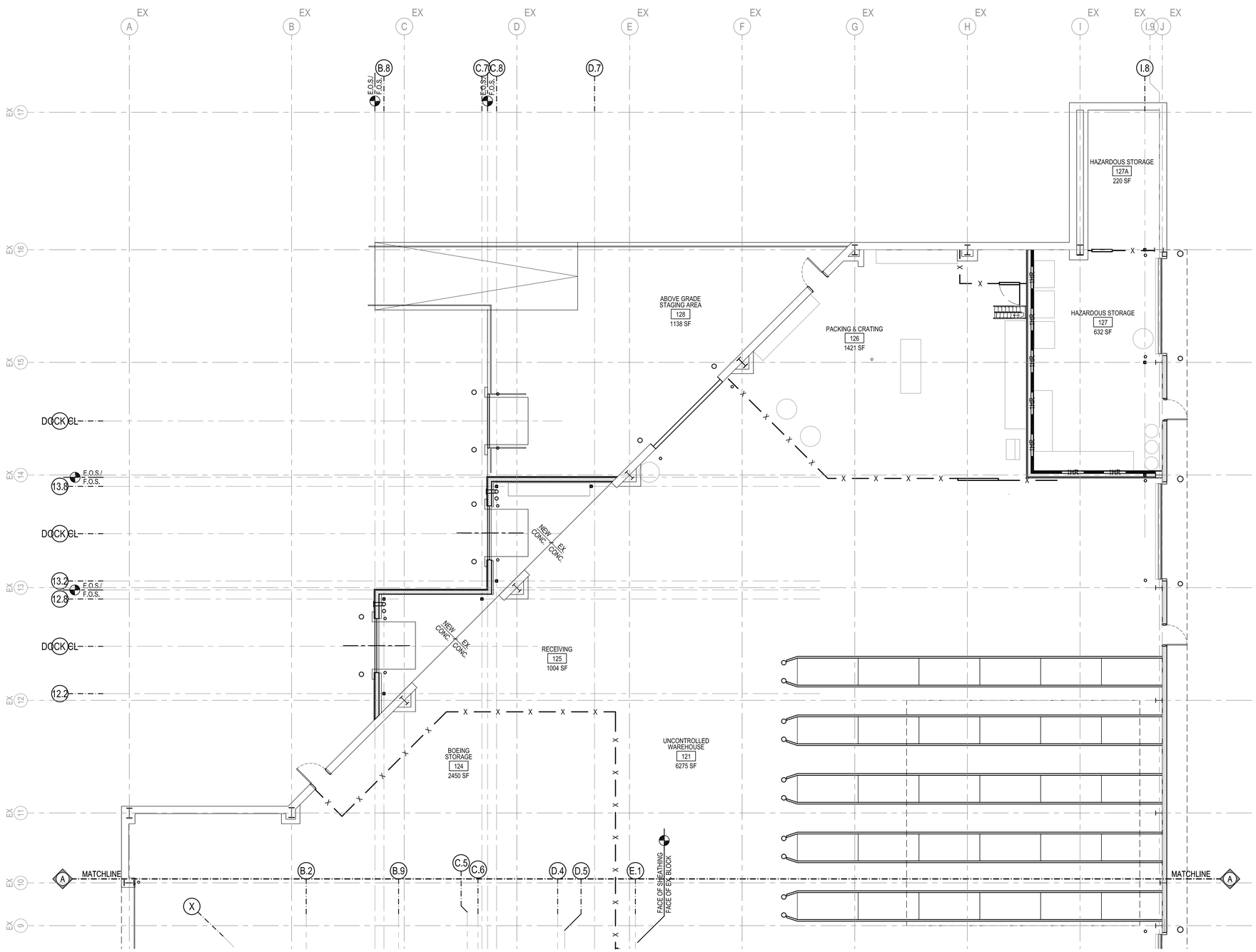
DRAWN BY: MCH	SCALE: NA
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

FINISH PLAN-AREA A

SHEET NUMBER

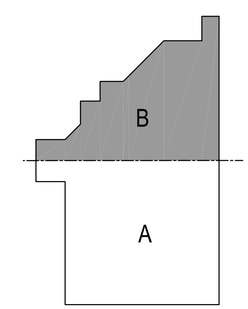
A13.1A



FINISH FLOOR PLAN LEGEND

- NEW OR EXISTING CONCRETE POLISHED AND/OR SEALED - SEE FINISH SCHEDULE
- CARPET TILE -SEE SPEC
- LVT -SEE SPEC
- TILE FLOOR- COLOR & TILE PATTERN TO BE PROVIDED BY ARCHITECT
- WALL TILE - SEE INTERIOR ELEVATIONS FOR TYPES

* SEE DEMOLITION DRAWINGS FOR EXISTING CONDITIONS. PREPARE FLOORS AS REQUIRED.



1 FIRST FLOOR FINISH PLAN- PART B
1/8"=1'-0"

N

0 2' 4' 8' 16' 30'

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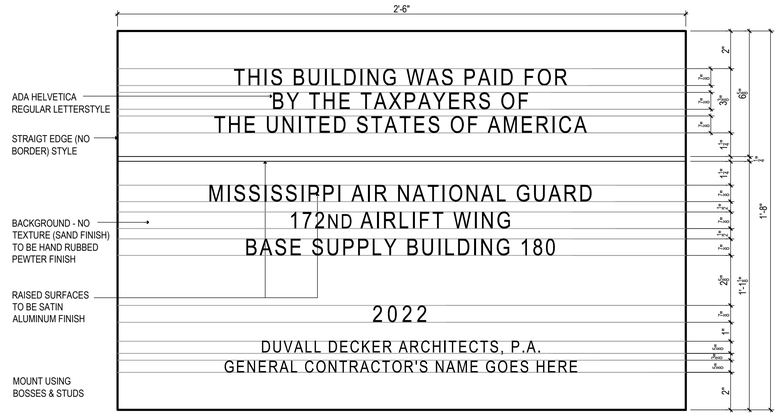
DRAWING TITLE

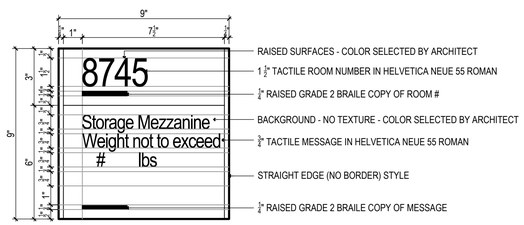
FINISH PLAN-AREA B

SHEET NUMBER

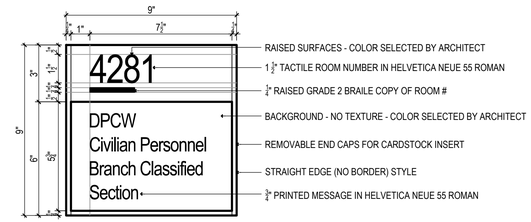
A13.1B



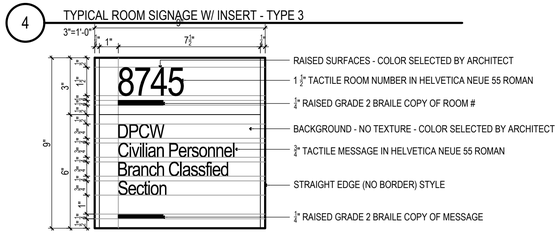
1 CAST ALUMINUM BUILDING DEDICATION PLAQUE 1 - TYPE 1
3"=1'-0"



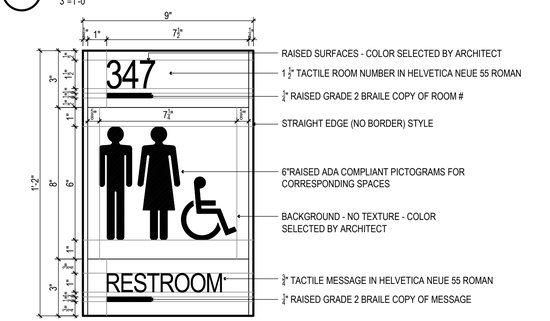
2 WEIGHT LIMIT SIGNAGE FOR STORAGE MEZZANINE
3"=1'-0"



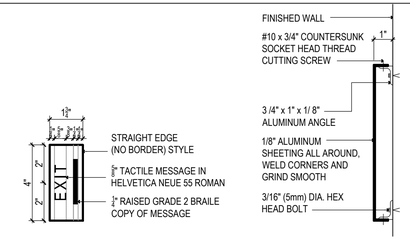
4 TYPICAL ROOM SIGNAGE W/ INSERT - TYPE 3
3"=1'-0"



5 TYPICAL ROOM SIGNAGE - TYPE 4
3"=1'-0"

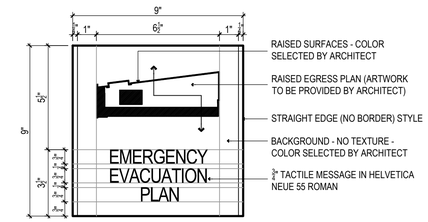


6 TYPICAL MEN AND WOMENS TOILET SIGNAGE - TYPE 7
3"=1'-0"

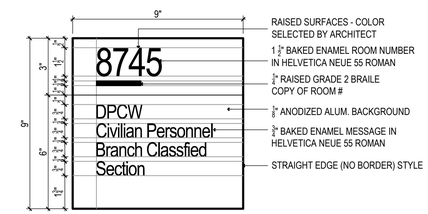


7 TYPICAL STOREFRONT EXIT SIGNAGE - TYPE 5
3"=1'-0"

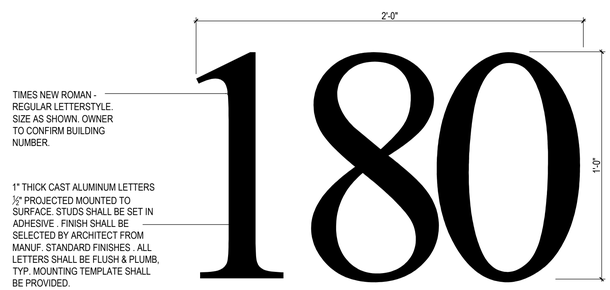
8 TYPICAL MOUNTING SECTION DETAIL FOR TYPE 13 SIGNAGE
3"=1'-0"



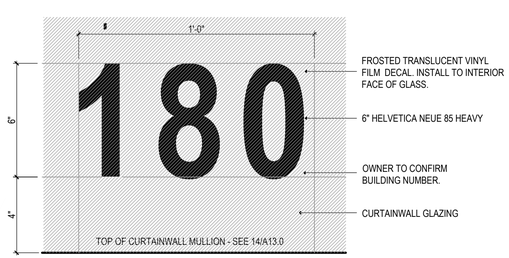
9 TYPICAL EMERGENCY EVACUATION PLAN SIGNAGE- TYPE 14
3"=1'-0"



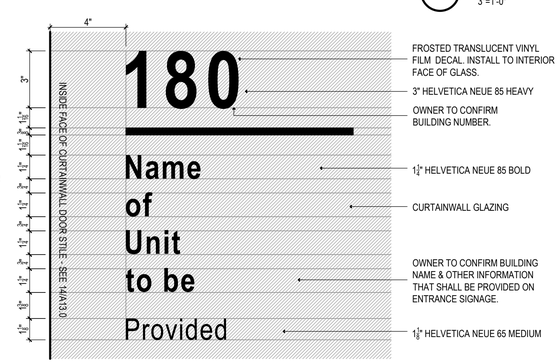
10 TYPICAL ALUMINUM EXTERIOR ROOM SIGNAGE - TYPE 13
3"=1'-0"



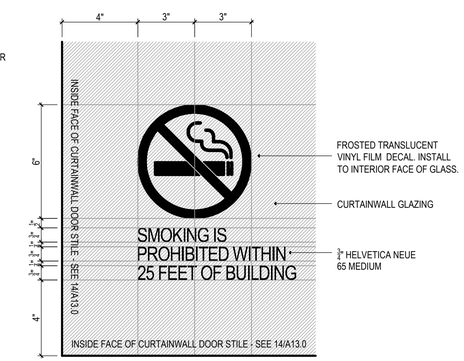
3 EXTERIOR CAST ALUMINUM SIGNAGE - SEE ELEVATION FOR LOCATION
1/4"=1'-0"



11 TYPICAL BUILDING NUMBER VINYL DECAL SIGNAGE - TYPE 10
3"=1'-0"
LOCATE AT BUILDING ENTRANCE DOORS



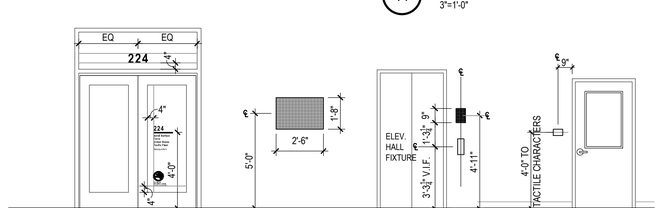
12 TYPICAL BUILDING ENTRANCE VINYL DECAL SIGNAGE - TYPE 11
3"=1'-0"
LOCATE AT BUILDING ENTRANCE DOORS



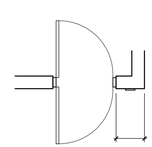
13 TYPICAL"NO SMOKING" VINYL DECAL SIGNAGE - TYPE 12
3"=1'-0"
LOCATE AT BUILDING ENTRANCE DOORS

NOTE:
TEXT WILL VARY ON EACH SIGN. SCHEDULE TO BE PROVIDED BY ARCHITECT

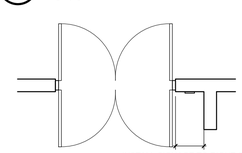
SEE A3.0 FOR ADDITIONAL VINYL SIGNAGE



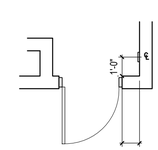
14 TYPICAL SIGNAGE MOUNTING HEIGHTS
1/4"=1'-0"



INSTALL SIGNAGE TO LATCH SIDE OF DOOR IF CLEAR DIMENSION IS 18" OR GREATER (INSTALL ON HINGE SIDE IF LESS THAN 18")



INSTALL SIGNAGE TO RIGHT SIDE OF DOUBLE LEAF DOORS IF CLEAR DIMENSION IS 18" OR GREATER (INSTALL ON LEFT SIDE IF LESS THAN 18")



INSTALL SIGNAGE IN THIS CONFIGURATION WHEN CLEAR DIMENSION IS LESS THAN 18" ON BOTH SIDES OF DOOR (AND WHEN CALLED OUT IN THE SIGNAGE SCHEDULE)

NOTE:
1)SEE OTHER DETAILS FOR TYPICAL ASSEMBLY NOTES. THESE NOTES ARE NOT REPEATED ON SUBSEQUENT SHEETS
2) TYPICAL NOTES ARE NOT REPEATED FOR SIMILAR ASSEMBLIES, ITEMS, AND/OR DETAILS THAT OCCUR IN MULTIPLE LOCATIONS

0 1" 2" 3" 6" 1'6"

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RENOVATE BASE SUPPLY WAREHOUSE B180

MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS		
NO.	REMARKS	DATE

SEAL:

ROY T. DECKER
REGISTERED ARCHITECT
2879
MISSISSIPPI

SEPTEMBER 27, 2023

ANNE MARIE DECKER
REGISTERED ARCHITECT
3044
JACKSON, MS
STATE OF MISSISSIPPI

SEPTEMBER 27, 2023

DRAWN BY: MCH	SCALE: NA
DESIGNED BY: MCH/AMD	DATE: SEPTEMBER 2023
CHECKED BY: AMD	PROJECT: LRXQ172402

DRAWING TITLE

SIGNAGE

SHEET NUMBER

A14.0

GENERAL NOTES

1. THESE NOTES ARE NOT INTENDED TO REPLACE THE PROJECT SPECIFICATIONS.

DIMENSIONS

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL DRAWINGS BEFORE WORK IS TO BEGIN. ANY DISCREPANCY SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT AND WORK SHALL NOT BEGIN UNTIL THE DISCREPANCY IS RESOLVED.
2. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

DOCUMENTS AND LIMITATIONS

1. THE DRAWINGS, CALCULATIONS AND REPRODUCTIONS RELATING TO THE STRUCTURAL PART OF THE PROJECT ARE INSTRUMENTS OF SERVICE TO BE USED FOR THIS PROJECT ONLY.
2. IT IS UNDERSTOOD THAT THE ENGINEER MAKES NO WARRANTY, EITHER EXPRESSED OR IMPLIED, AS TO THE FINDINGS, DESIGNS, RECOMMENDATIONS, SPECIFICATIONS OR PROFESSIONAL ADVICE EXCEPT THAT THESE INSTRUMENTS OF SERVICE HAVE BEEN PREPARED IN ACCORDANCE WITH CURRENT GENERALLY ACCEPTED PROFESSIONAL ENGINEERING PRACTICES.
3. THE FOLLOWING ITMES ARE SPECIFICALLY EXCLUDED FROM THE STRUCTURAL PART OF THE PROJECT.

3.1 ARCHITECTURAL ELEMENTS

(A) NON-LOAD BEARING MASONRY WALLS.
(B) AUXILIARY MEMBERS, STRUTS, ANGLES, PIPES, BATTENS, ETC. OR ANY PATENTED SYSTEMS, WITH THE SOLE PURPOSE TO SERVE AS SUPPORTING MEMBERS FOR NON-STRUCTURAL ELEMENTS.
(C) EXTERIOR CLADDING, SIDING, SECONDARY WALL FRAMING AND RAILINGS, NOT PART OF THE PRIMARY STRUCTURAL SYSTEM.
(D) UNIT PAVERS, GLAZING, WINDOW WALL AND DOOR SYSTEMS.
(E) CEILING AND LIGHTING SYSTEMS AND RELATED BRACING AND ATTACHMENT SYSTEMS.
(F) DECORATIVE WORK SUCH AS SCREENS, MURALS, ETC. AND FINISHES.

3.2 MECHANICAL AND ELECTRICAL ELEMENTS

(A) ANCHORAGE FOR ELECTRICAL ELEMENTS SUCH AS TRANSFORMERS, EMERGENCY GENERATORS, CONDUITS AND CABLES, CABLE TRAYS, PANEL BOARDS, LIGHTING FIXTURES AND SWITCHESGEAR.
(B) SPECIAL SUPPORT ASSEMBLIES, WALL BRACKETS, STANDS, ELEVATED OR SUSPENDED PLATFORMS, STANCHIONS, ETC., WHOSE ONLY PURPOSE IS TO ACCOMMODATE MECH. AND ELECTRICAL ELEMENTS.
(C) HOUSEKEEPING AND INERTIA PADS, ACOUSTIC SLABS AND FOUNDATIONS FOR MECHANICAL AND ELECTRICAL EQUIPMENT.

WHERE ITEMS NOTED IN 3.1 AND 3.2 ARE SHOWN ON STRUCTURAL DRAWINGS FOR GENERAL REFERENCE, NO RESPONSIBILITY FOR THEIR CORRECTNESS IS IMPLIED. ACCORDINGLY, REFERENCE MUST BE MADE TO PLANS, DETAILS OR SPECIFICATIONS OF APPROPRIATE CONSULTANTS.

STRUCTURAL STEEL

1. STRUCTURAL STEEL:
   A. W AND WT SHAPES SHALL CONFORM TO ASTM A992 (GRADE 50).
   B. ANGLE, CHANNELS SHALL CONFORM TO ASTM A36.
   C. SQUARE HOLLOW TUBES SHALL CONFORM TO ASTM A500, GRADE B.
   D. ROUND HOLLOW SECTIONS SHALL CONFORM TO ASTM A501 OR ASTM A53.
2. BOLTS FOR STEEL TO STEEL CONNECTIONS SHALL CONFORM TO A.S.T.M. SPECIFICATION A-325 AND SHALL BE INSTALLED IN ACCORDANCE WITH AISC PUBLICATION "STRUCTURAL JOINST USING A.S.T.M. A325 OR A490 BOLTS."
3. ANCHOR BOLTS SHALL BE HEADED AND CONFORM TO ASTM A307.
4. ALL CONNECTIONS FOR STRUCTURAL STEEL SHALL BE SUFFICIENT TO FULLY DEVELOP THE CONNECTED MEMBERS.
5. SUBMIT COMPLETE SHOP DRAWINGS TO ENGINEER FOR APPROVAL. DRAWINGS SHALL INDICATE PROFILE, SIZES, SPACING, LOCATION OF STRUCTURAL MEMBERS, CONNECTIONS, ATTACHMENTS, FASTENERS, CAMBERS AND WELDS.
6. ALL WELDING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS.

CONCRETE

1. CONCRETE SHALL ATTAIN THE FOLLOWING MINIMUM COMPRESSIVE STENGTH IN 28 DAYS:

   ALL CONCRETE ---------- 4000 PSI

2. REINFORCING SHALL COMFORM TO A.S.T.M. A-615, AND SHALL BE GRADE 60
3. PROVIDE ALL NECESSARY REINFORCING STEEL ACCESSORIES TO HOLD BARS IN PROPER POSTITION.
4. WHERE NOT SPECIFICALLY COVERED, REINF. SHALL BE DETAILED IN ACCORDANCE WITH ACI STANDARD 315
5. PROVIDE CORNER BARS OF THE SAME SIZE AND NUMBER AS HORIZONTAL BARS AT ALL CORNERS AND "T"-INTERSECTIONS.
6. UNLESS NOTED OTHERWISE, LAP SPLICES SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE:

BAR SIZE	SLAB-ON-GRADE LAP LENGTH	RAISED SLABS, WALLS, ECT. LAP LENGTH
#3	14"	22"
#4	19"	29"
#5	24"	36"
#6	28"	43"
#7	41"	63"
#8	47"	72"
#9	53"	81"
#10	59"	89"
#11	65"	98"

7. FOR MISCELLANEOUS ANGLES, DETAILS, OUTSIDE CONCRETE WORK, ETC, SEE ARCHITECTURAL DRAWINGS.

METAL DECK

1. FLOOR DECK FLOOR SHALL BE 9/16 INCH DEPTH, 28 GAGE GALVANIZED,3 SPAN MINIMUM.
   FASTENER LAYOUT - 30/4 W/ 5/8" WELDS, SIDE LAPS - (1) #10 TEK SCREW PER SPAN
2. ROOF DECK SHALL BE 1 1/2 INCH DEPTH, 22 GAGE INTERMEDIATE TYPE GALVANIZED, 3 SPAN MINIMUM.
   FASTENER LAYOUT - 36/4 W/ 5/8" WELDS, SIDE LAPS - (2) #10 TEK SCREWS PER SPAN
3. THE EDGE OF DECK SHOULD BE 1/2" FROM THE VERTICAL LEG OF THE EDGE ANGLE, U.N.O.
4. UNLESS SHOWN OTHERWISE, PROVIDE L4 X 4 X 1/4 AROUND ALL OPENINGS THROUGH METAL DECK. WELD ANGLES TO SUPPORTING MEMBERS.

EPOXY ANCHORS

1. EPOXY ANCHORING SHALL NOT BE USED EXCEPT WHERE SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS, OR WHEN APPROVED IN ADVANCE BY THE STRUCTURAL ENGINEER.
2. EXCEPT WHERE INDICATED ON THE DRAWINGS, POST-INSTALLED ANCHORS SHALL CONSIST OF THE FOLLOWING ANCHOR TYPES AS PROVIDED BY HILTI, INC. CONTACT HILTI AT (800) 879-8000 FOR PRODUCT RELATED QUESTIONS.

   A. ANCHORAGE TO CONCRETE

      i) ADHESIVE ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE:
         (1) HILTI HIT-HY 200 SAFE SET SYSTEM WITH THE HILTI HIT-Z ROD PER ICC ESR-3187
         (2) HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM SYSTEM WITH HAS-E THREADED

   B. REBAR DOWELING INTO CONCRETE

      i) ADHESIVE ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE:
         HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM SYSTEM WITH CONTINUOUSLY DEFORMED REBAR PER ICC ESR-3187

   C. ANCHORAGE TO SOLID GROUTED MASONRY

      i) ADHESIVE ANCHORS USE:
         (1) HILTI HIT-HY 270 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM SYSTEM PER ICC ESR-4143
         (2) STEEL ANCHOR ELEMENT SHALL BE HILTI HAS-E CONTINUOUSLY THREADED ROD OR CONTINUOUSLY DEFORMED STEEL REBAR

3. ANCHOR CAPACITY USED IN DESIGN SHALL BE BASED ON THE TECHNICAL DATA PUBLISHED BY HILTI OR SUCH OTHER METHOD AS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC ESR SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE AND INSTALLATION TEMPERATURE.
4. INSTALL ANCHORS PER THE MANUFACTURER INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING.
5. OVERHEAD ADHESIVE ANCHORS MUST BE INSTALLED USING THE HILTI PROFI SYSTEM.
6. THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.
7. ANCHOR CAPACITY IS DEPENDANT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
8. EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT THE BARS CAN BE CUT, THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHORS, BY HILTI FERROSCAN, GPR, X-RAY, CHIPPING OR OTHER MEANS.
9. ALL POST-INSTALLED ANCHORS SHALL BE CONTINUOUSLY INSPECTED BY THE SPECIAL INSPECTION AGENT. REPORTS SHALL BE SENT TO THE ARCHITECT AND ENGINEER BEFORE WORK IS COVERED. IF THIS IS NOT PROVIDED, CONTRACTOR SHALL BE REQUIRED TO VERIFY THE POST-INSTALLED ANCHORS ARE SUFFICIENT FOR THE DESIGN LOADS FROM THE ENGINEER.

STEEL LINTELS

UNLESS SHOWN OTHERWISE, THE FOLLOWING LOOSE LINTEL SCHEDULE SHALL BE USED.

CLEAR OPENING	LINTEL REQUIRED FOR EACH 4" WIDTH OF MASONRY
0' - 4'-0"	L 3 1/2 x 3 1/2 x 1/4 (LLV)
4'-1" - 6"-0"	L 4 x 3 1/2 x 3/8 (LLV)
6'-1" - 8'-0"	L 5 x 3 1/2 x 3/8 (LLV)

BUILDING CODE

2018 INTERNATIONAL BUILDING CODE

DESIGN CODES

AISC	"MANUAL OF STEEL CONSTRUCTION" THIRTEENTH EDITION
STEEL JOIST INSTITUTE	STANDARD SPECIFICATIONS, LOAD TABLES AND WEIGHT TABLES FOR STEEL JOIST AND JOIST GIRDERS
ACI 318	BUILDING REQUIREMENT FOR REINFORCED CONCRETE

DESIGN INFORMATION

FIRST FLOOR LIVE LOAD - - - - - - - - - 100 PSF
SECOND FLOOR LIVE LOAD - - - - - - - 75 PSF
ROOF LIVE LOAD - - - - - - - - - - - - - - - 20 PSF
STAIR - 100 PSF
PARTITION DEAD LOAD - - - - - - - - - - 15 PSF

SOILS AND FOUNDATIONS

1. FOUNDATION TYPE	ALLOWABLE SOIL BEARING PRESSURE
SPREAD FOOTINGS	2500 PSF

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION, SHORING, UNDERPINNING, BRACING, ISOLATION, ECT. OF ALL EXISTING CONDITIONS AS REQUIRED TO PREVENT ANY DISTURBANCE TO EXISTING CONDITIONS AS A RESULT OF THIS WORK.
3. THE CONTRACTOR SHALL EMPLOY THE SERVICES OF A GEOTECHNICAL ENGINEER TO PROVIDE RECOMMENDATIONS IN ORDER TO PROVIDE A MINIMUM OF 2500 PSF BEARING CAPACITY UNDER ALL GRADE BEAMS, FOOTINGS, AND SLABS. MAXIMUM DIFFERENTIAL SETTLEMENT AND/OR HEAVING SHALL BE LESS THAN 1". RECOMMENDATIONS SHALL BE STAMPED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MISSISSIPPI. THE CONTRACTOR SHALL FOLLOW ALL RECOMMENDATIONS PROVIDED BY THE GEOTECHNICAL ENGINEER.
4. ALL TOPSOIL, ORGANICS, LOOSE OR SOFT SOILS, AND AN MISCELLANEOUS DEBRIS ENCOUNTERED WITHIN THE BUILDING FOOTPRINT AND 5 FEET BEYOND BUILDING FOOTPRINT. REMOVE A MINIMUM OF THE TOP 6 INCHES OF SOIL. A QUALIFIED GEOTECHNICAL TECHNICIAN SHALL PROVIDE OBSERVATION TO ENSURE ALL UNWANTED MATERIAL IS REMOVED.
5. ONCE ALL TOPSOIL, ORGANICS, LOOSE OR SOFT SOILS, AND MISCELLANESOUS DEBRIS HAS BEEN REMOVED, PROOFROLL THE ENTIRE AREA USING A LOADED DUMP TRUCK, HAVING AN AXLE WEIGHT OF AT LEAST 10 TONS IN ORDER TO IDENTIFY ANY ADDITIONAL LOCALIZED SOFT OR UNSUITABLE MATERIAL. ANY SOFT OR UNSUITABLE MATERIAL ENCOUNTERED DURING THIS PROOFROLLING SHALL BE REMOVED AND REPLACED WITH AN APPROVED BACKFILL COMPACTED TO 95% OF STANDARD PROCTOR.
6. AFTER STRIPPING AND PROOFROLLING, SCARIFY THE TOP 6 INCHES OF THE GROUND SURFACE AND FILL AREAS TO CONTOURS AND ELEVATIONS AS SHOWN ON THE CIVIL DRAWINGS. ALL FILL SHALL BE AN APPROVED MATERIAL AND COMPACTED TO 95% OF STANDARD PROCTOR.
7. IN BUILDING AREA, PLACE FILL MATERIALS IN CONTINUOUS 9 INCH THICK HORIZONTALLY PLACED LOOSE LAYERS AND COMPACT TO 95% ASTM D968 MAXIMUM DENSITY WITH STABILITY (STABILITY IS DEFINED AS THE ABSENCE OF SIGNIFICANT PUMPING OR YIELDING OF SOILS UNDER COMPACTIVE EFFORT.) THE SURFACE OF EACH LIFT SHALL BE SCARIFIED PRIOR TO PLACEMENT OF SUBSEQUENT LIFTS. ALL AREAS NOT MEETING REQUIRED DENSITY OR STABILITY SHALL BE EXCAVATED, REWORKED, AND RETESTED.
8. A QUALIFIED GEOTECHNICAL TECHNICIAN SHALL PROVIDE OBSERVATION OF ALL WORK DESCRIBED HERE. DENSITY TESTS SHALL BE TAKEN AT THE RATE OF ONE PER 2,500 SQ. FT. PER LIFT. REPORTS SHALL BE SENT TO THE ENGINEER OF RECORD AND THE OWNER.

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RENOVATE BASE SUPPLY BUILDING B180
MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:
KENNETH SIMMONS MCGOWTH
LICENSED PROFESSIONAL ENGINEER
17092
STATE OF MISSISSIPPI
10-2-23

DRAWN BY: KSM	SCALE: 1" = 1'-0"
DESIGNED BY: KSM	DATE: SEPT. 2023
CHECKED BY: KSM	PROJECT: #####

DRAWING TITLE:
STRUCTURAL GENERAL NOTES

SHEET NUMBER:
S001

SPECIAL INSPECTIONS PER THE 2018 IBC

1. THE CONTRACTOR WILL EMPLOY THE SERVICES OF ONE OR MORE SPECIAL INSPECTORS TO PROVIDE SPECIAL INSPECTIONS DURING CONSTRUCTION FOR THE ITEMS IN THE SPECIAL INSPECTION TABLE BELOW.
2. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL AND THE REGESTERED DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
3. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:
   A. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS. THE INSPECTOR MAY NOT ALTER, MODIFY, ENLARGE OR WAIVE THE REQUIREMENTS OF THE DOCUMENTS.
   B. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE ENGINEER OF RECORD, AND THE CONTRACTOR. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN IF UNCORRECTED, SUBMIT A COMPLETE LIST OF ALL OUTSTANDING DISCREPANCIES ON A WEEKLY BASIS TO THE OWNER, THE BUILDING OFFICIAL, AND THE ENGINEER OF RECORD UNTIL ALL CORRECTIONS HAVE BEEN COMPLETED.
   C. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE.
4. WHERE SPECIAL INSPECTION REQUIREMENTS DUPLICATE THE REQUIREMENTS OF SPECIFIED QUALITY ASSURANCE TESTING, DUPLICATE INSPECTIONS SHALL BE REQUIRED.

SPECIAL INSPECTION	FREQUENCY	REFERENCED STANDARD
SOILS		
1. VERIFY MATERIALS BELOW FOOTING ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC	GEOTECHNICAL ENGINEERING REPORT
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIALS.	PERIODIC	
3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	PERIODIC	
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	CONTINUOUS	
5. PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC	
CONCRETE (NOT APPLICABLE TO ISOLATED SPREAD FOOTING OR NON-STRUCTURAL SLABS ON GROUND)		
1. INSPECTIONS OF REINFORCING STEEL, INCLUDING PRESTRESSED TENDONS, AND PLACEMENT.	PERIODIC	ACI 318: 3.5, 7.1-7.7
2. INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE.	CONTINUOUS	
3. INSPECT EPOXY SET ANCHORS AND EXPANSION ANCHORS INSTALLED IN HARDENED CONCRETE.	CONTINUOUS	PRODUCT ICBO REPORT
4. VERIFYING USE OF REQUIRED DESIGN MIX.	PERIODIC	ACI 318: CH. 4, 5.2, 5.8
5. SAMPLING FRESH CONCRETE AND PERFORMING SLUMP, AIR CONTENT AND DETERMINING THE TEMPERATURE OF FRESH CONCRETE AT THE TIME OF MAKING SPECIMENS FOR STRENGTH TESTS.	CONTINUOUS	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8
6. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS	ACI 318: CH. 5.9, 5.10
7. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMERATURE AND TECHNIQUES.	PERIODIC	ACI 318: 5.11-5.13
8. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	PERIODIC	ACI 318: 6.2
9. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC	ACI 318: 6.1.1

SPECIAL INSPECTION	FREQUENCY	REFERENCED STANDARD
STEEL CONSTRUCTION		
1. MATERIAL VERIFICATION OF HIGH STRENGTH BOLTS, NUTS AND WASHERS:	PERIODIC	APPLICABLE ASTM MATERIAL SPECIFICATIONS AISC ASD. SECTION A3.4 AISC LRFD. SECTION A3.3
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.		
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.		
2. INSPECTION OF HIGH-STRENGTH BOLTING:		
A. BEARING-TYPE CONNECTION	PERIODIC	AISC LRFD ASTM A 568
B. SLIP-CRITICAL CONNECTION	CONTINUOUS	
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL:		
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.		ASTM A 6 OR ASTM A 568
B. MANUFACTURER'S CERTIFIED MILL TEST REPORTS REQUIRED.		
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:		
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.		AISC. ASD. SECTION A3.6 AISC LRFD. SECTION A3.5
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.		
5. INSPECTION OF WELDING:		
A. STRUCTURAL STEEL		
1.)COMPLETE AND PARTIAL PENETRATION GROOVE WELDS.	CONTINUOUS	AWS D1.1
2.)MULTI-PASS FILLET WELDS.	CONTINUOUS	
3.)SINGLE-PASS FILLET WELDS GREATER THAN 5/16" (7.9mm)	CONTINUOUS	
4.)SINGLE-PASS FILLET WELDS LESS THAN OR EQUAL TO 5/16" (7.9mm)	PERIODIC	
5.)FLOOR AND DECK WELDS	PERIODIC	AWS D1.3
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS.	PERIODIC	
A. DETAILS SUCH AS BRACING AND STIFFENING		
B. MEMBER LOCATIONS		
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION		
INSPECTION OF FABRICATORS		
1. WHEN SPECIAL INSPECTIONS ARE REQUIRED BY BUILDING OFFICIAL		
A. FABRICATION AND IMPLEMENTATION PROCEDURES: THE SPECIAL INSPECTOR SHALL VERIFY THAT THE FABRICATOR MAINAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION, CONTROL OF THE WORKMANSHIP, AND THE FABRICATOR'S ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. THE SPECIAL INSPECTOR SHALL REVIEW THE PROCEDURES FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE CODE REQUIREMENTS FOR THE FABRICATOR'S SCOPE OF WORK		
2. WHEN SPECIAL INSPECTIONS ARE NOT REQUIRED BY BUILDING OFFICIAL		
A. UPON COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF THE COMPLIANCE TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.		

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MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

KENNETH SIMMONS MCGOWAN
LICENSED PROFESSIONAL ENGINEER
10-2-23
17092
STATE OF MISSISSIPPI

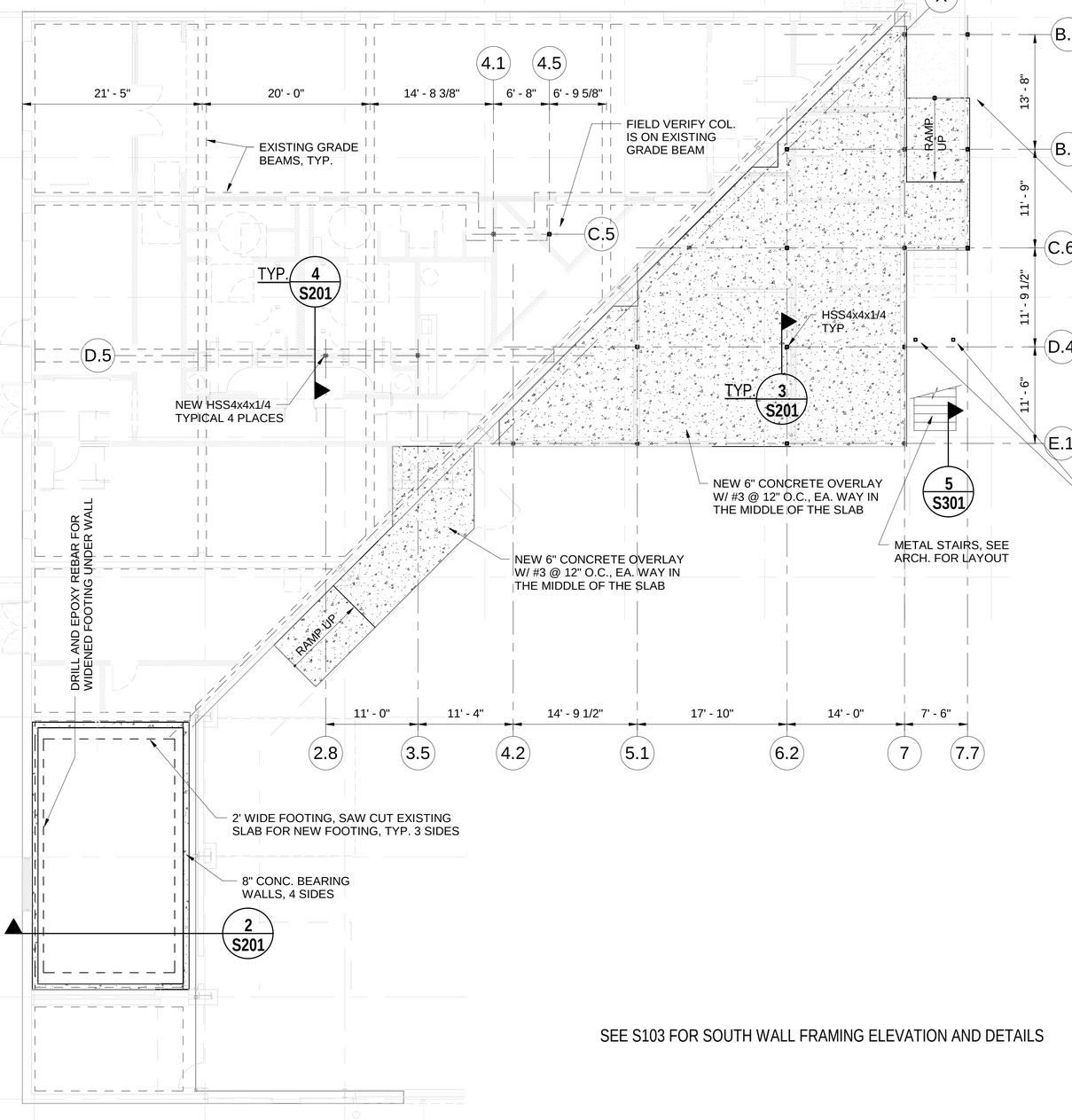
DRAWN BY:	KSM	SCALE:	1" = 1'-0"
DESIGNED BY:	KSM	DATE:	SEPT. 2023
CHECKED BY:	KSM	PROJECT:	#####

DRAWING TITLE:

SPECIAL INSPECTION NOTES

SHEET NUMBER:

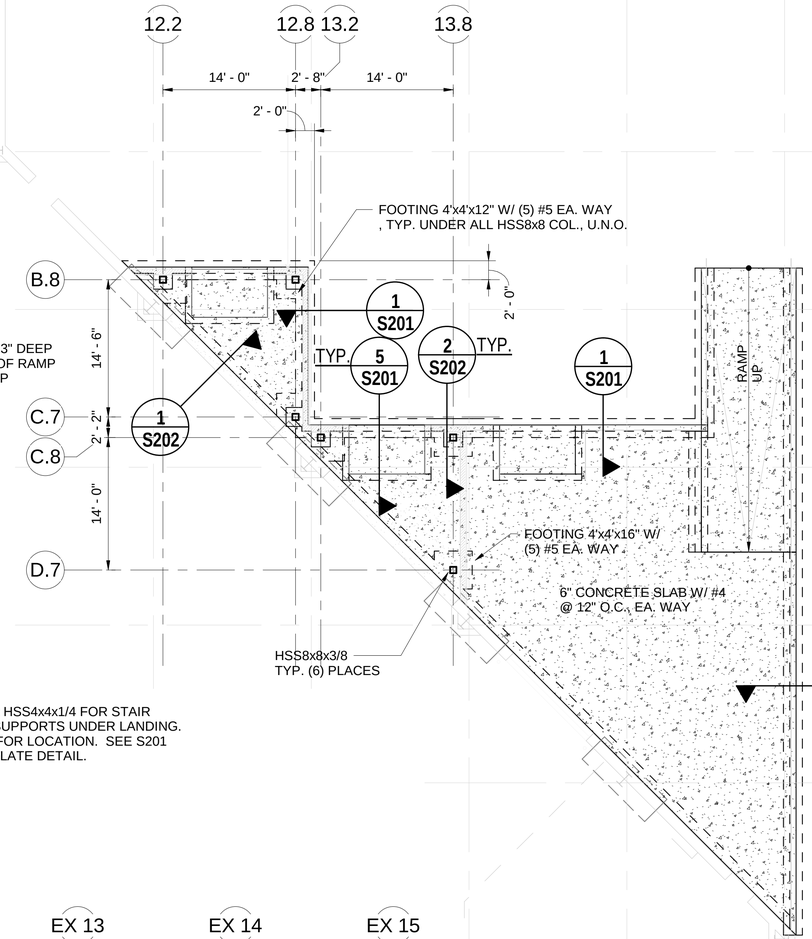
S002

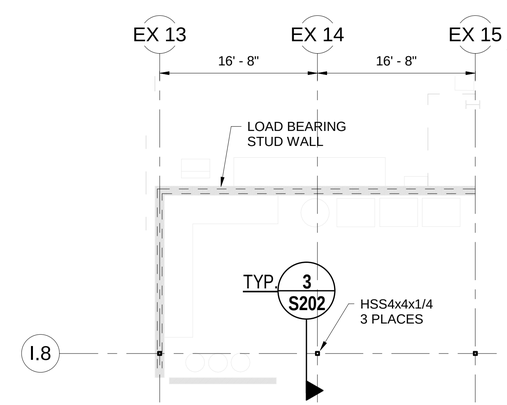


SEE S103 FOR SOUTH WALL FRAMING ELEVATION AND DETAILS

FOUNDATION AND FLOOR FRAMING PLAN

1/8" = 1'-0"





FOUNDATION FRAMING PLAN AT HAZARDOUS WASTE ROOM

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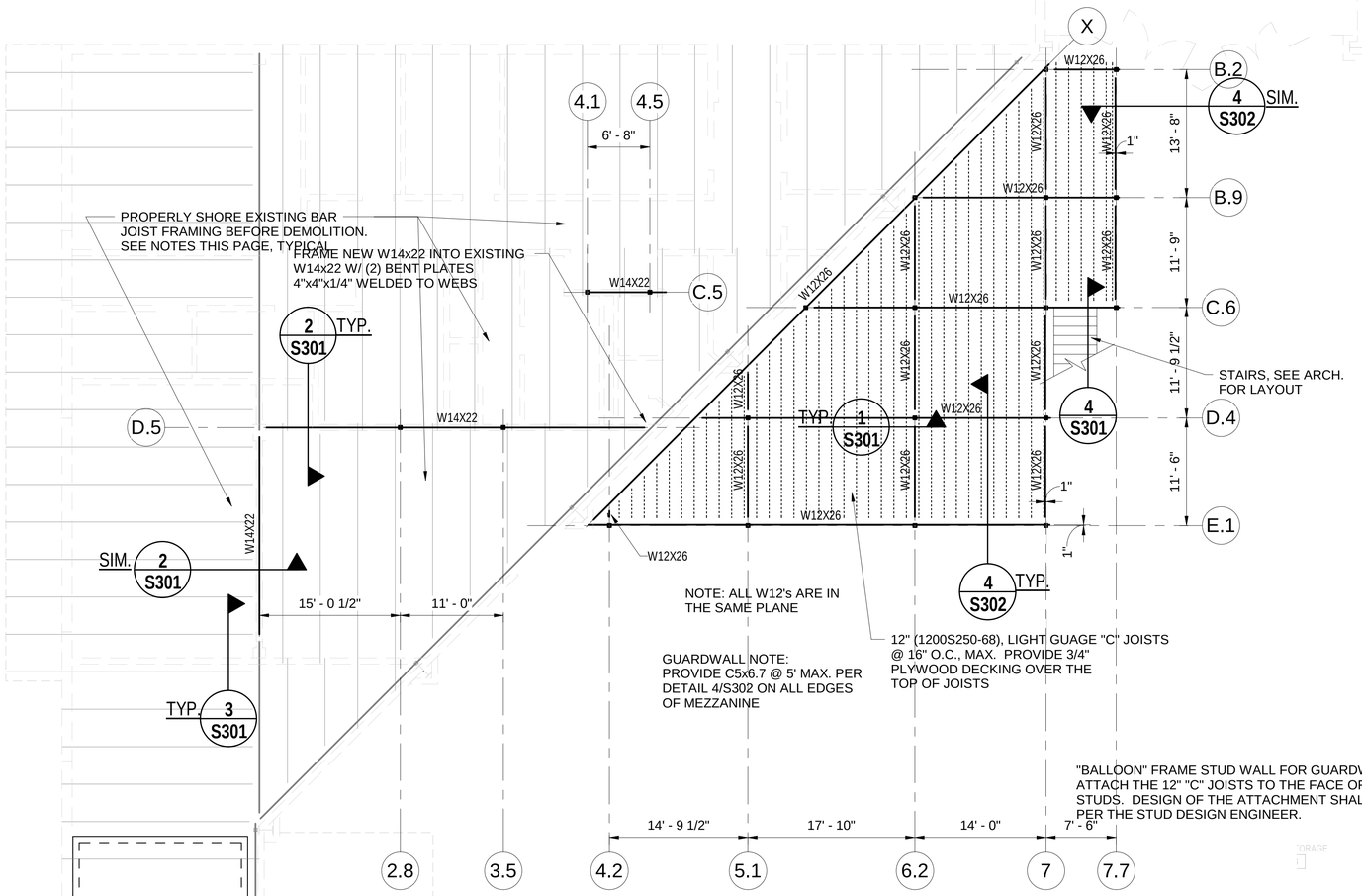
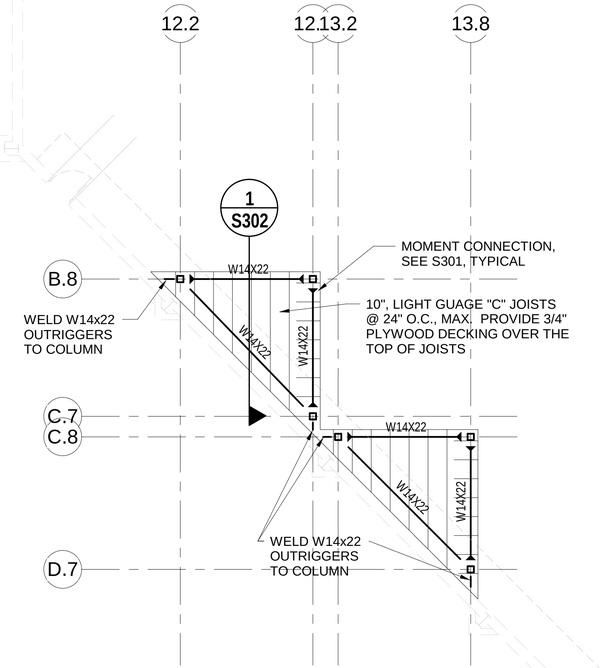
SEAL:
KENNETH SIMMONS MIGGINS III
LICENSED PROFESSIONAL ENGINEER
17092
10-2-23
STATE OF MISSISSIPPI

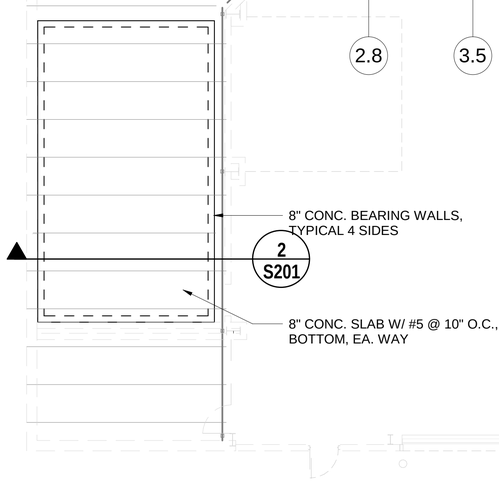
DRAWN BY: KSM	SCALE: 1/8" = 1'-0"
DESIGNED BY: KSM	DATE: SEPT. 2023
CHECKED BY: KSM	PROJECT: #####

DRAWING TITLE:
FOUNDATION AND FLOOR FRAMING PLAN

SHEET NUMBER:
S101







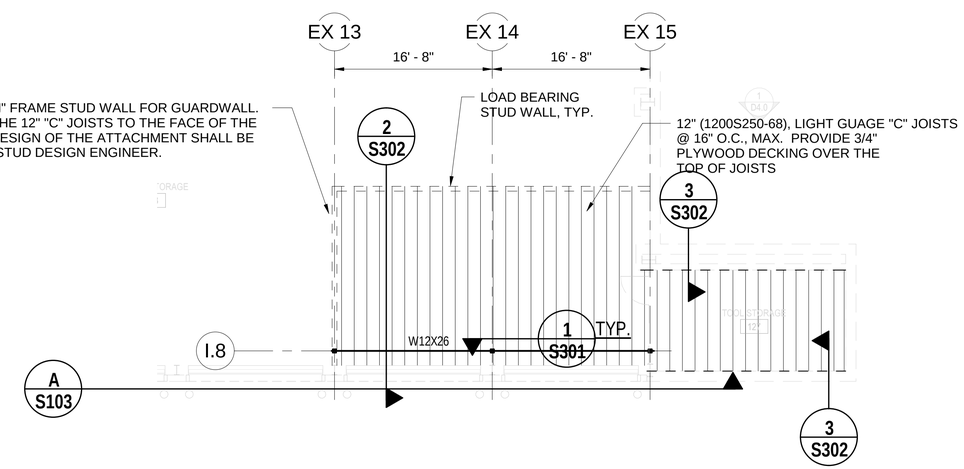
TEMPORARY SHORING NOTES

1. CONTRACTOR SHALL PROVIDE SHORING FOR THE EXISTING ROOF STRUCTURE SUPPORTED BY THE EXISTING LOAD BEARING MEMBERS.
2. SHORING SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF MISSISSIPPI. PROVIDE PLANS, CALCULATIONS, DETAILS, ETC. FOR APPROVAL BEFORE BEGINNING WORK. SUBMITTAL SHALL BE STAMPED BY THE SHORING DESIGN ENGINEER.
3. ONCE THE ROOF STRUCTURE IS PROPERLY SHORED, REMOVE EXISTING WALLS PER THE PLANS.
4. PROVIDE NEW STRUCTURAL FRAMING PER THE PLANS. THE NEW STRUCTURE SHALL BE INSTALLED IN ITS ENTIRITY BEFORE REMOVING TEMPORARY SHORING.

ROOF FRAMING PLAN

1/8" = 1'-0"

NOTES:
1. VERIFY ALL DIMENSIONS WITH ARCHITECT.
2. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS. NOTIFY THE ENGINEER AND ARCHITECT IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND



MEZZANINE FRAMING OVER HAZARDOUS WASTE ROOM

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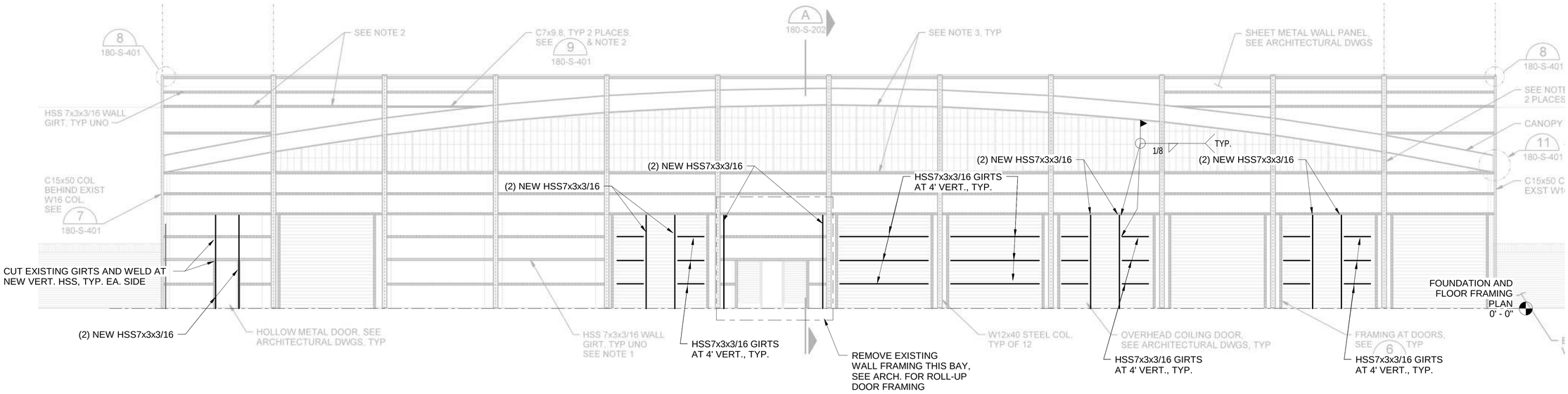
DRAWING TITLE:
ROOF AND MEZZANINE FRAMING PLAN

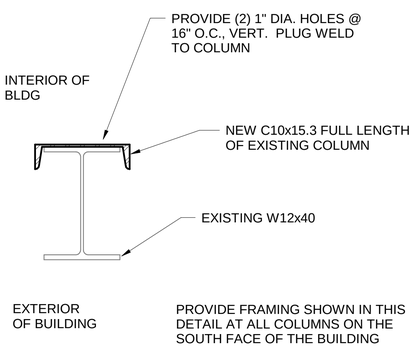
SHEET NUMBER:
S102



SOUTH WALL FRAMING ELEVATION

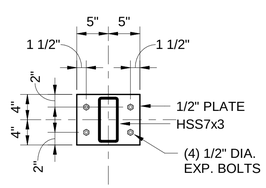
1/8" = 1'-0"

NOTE: COORDINATE ALL DIMENSIONS WITH ARCHITECT. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS. NOTIFY THE ARCHITECT AND ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.



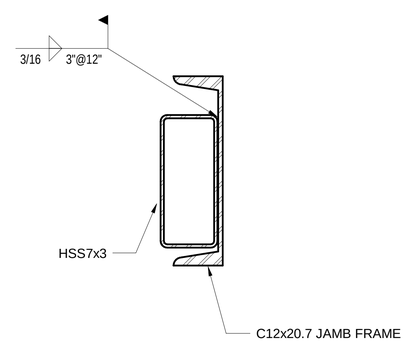
TYP. W12x40 COLUMN REINF.

1 1/2" = 1'-0"



TYP. HSS7x3 BASE PLATE

1" = 1'-0"



JAMB DETAIL

3" = 1'-0"

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LICENSED PROFESSIONAL ENGINEER
10-2-23
17092
STATE OF MISSISSIPPI

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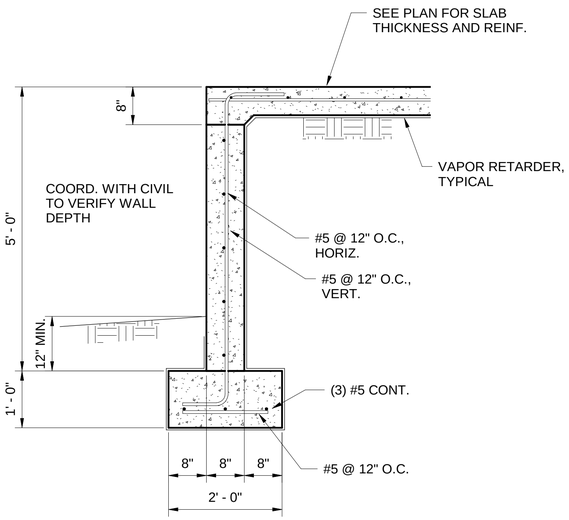
DRAWING TITLE:

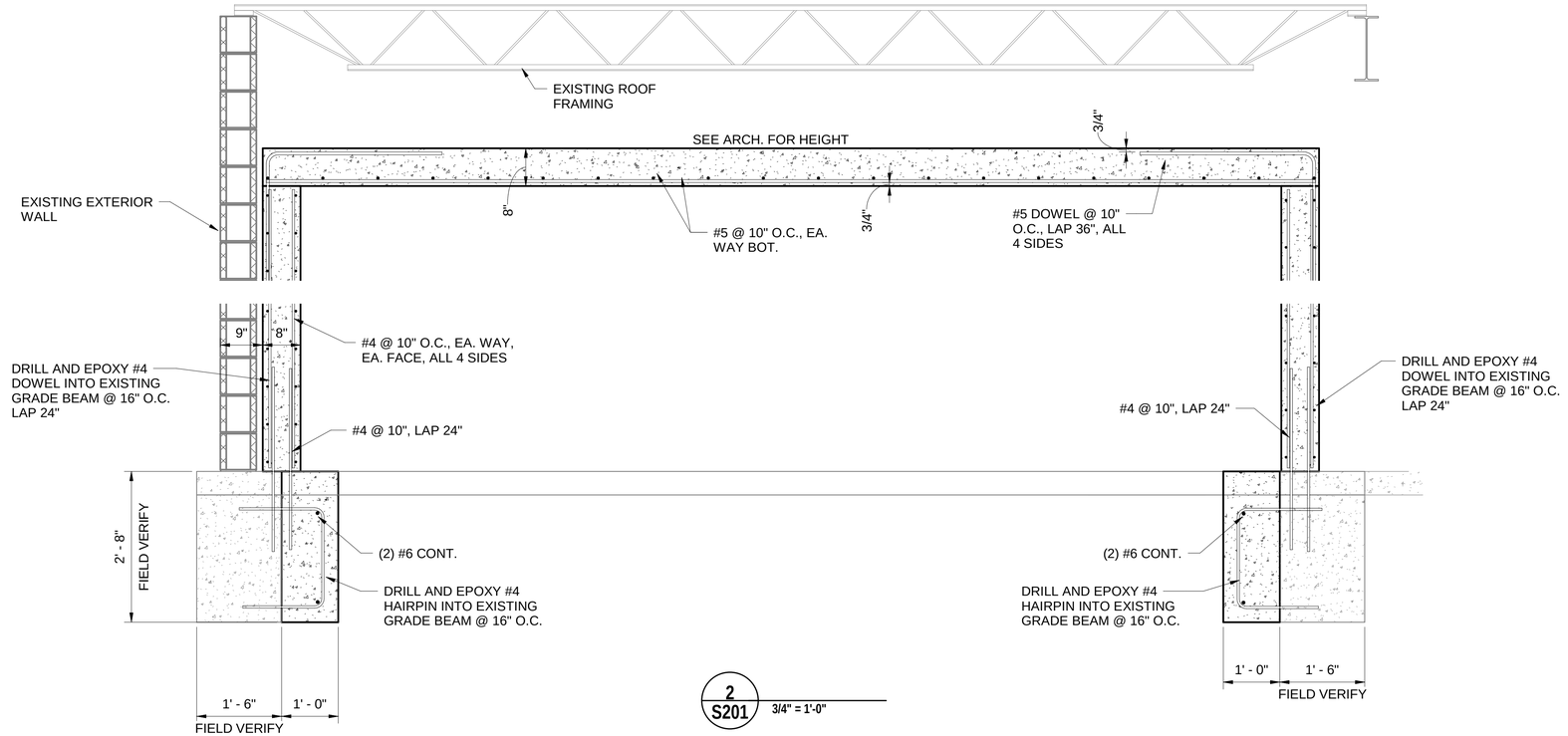
SOUTH WALL FRAMING PLAN AND DETAILS

SHEET NUMBER:

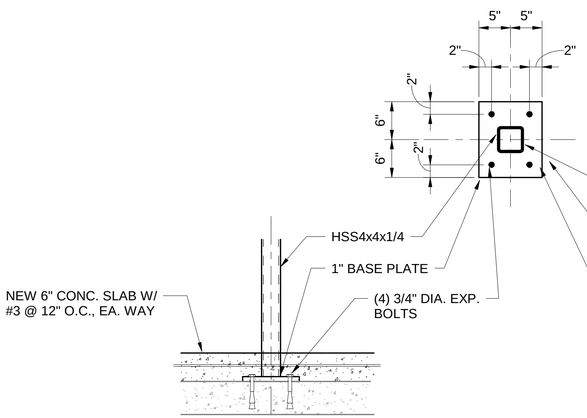
S103



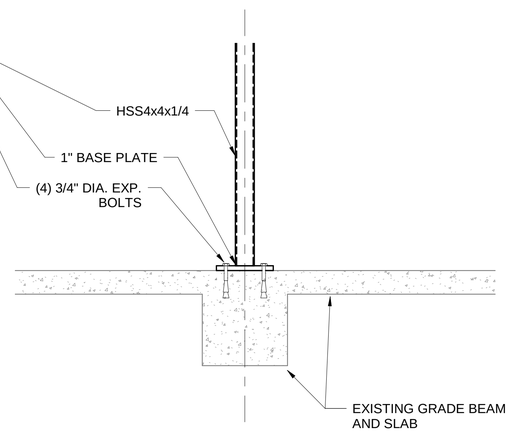
1 S201 3/4" = 1'-0"



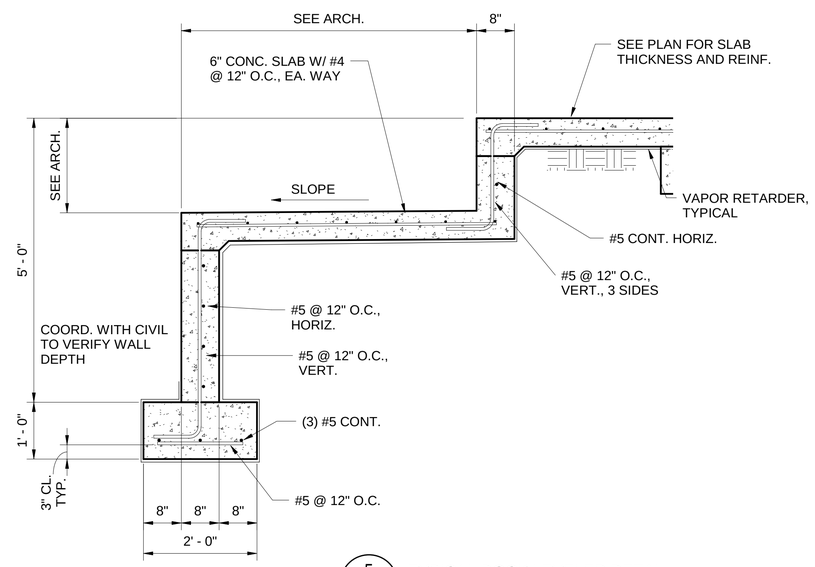
2 S201 3/4" = 1'-0"



3 S201 TYP. COLUMN BASE PLATE IN HANGER
3/4" = 1'-0"



4 S201 TYP. COLUMN BASE PLATE IN ADMIN AREA
3/4" = 1'-0"



5 S201 TYPICAL DOCK LEVELER DETAIL
3/4" = 1'-0"

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PROJECT# LRXQ 172402

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10-2-23
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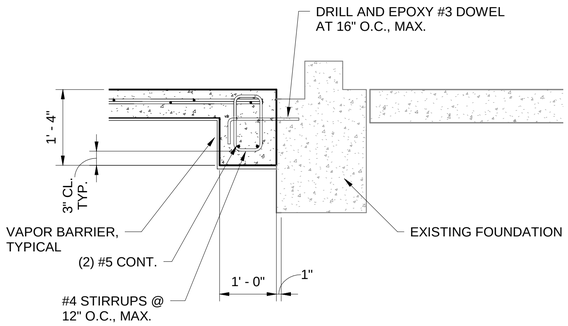
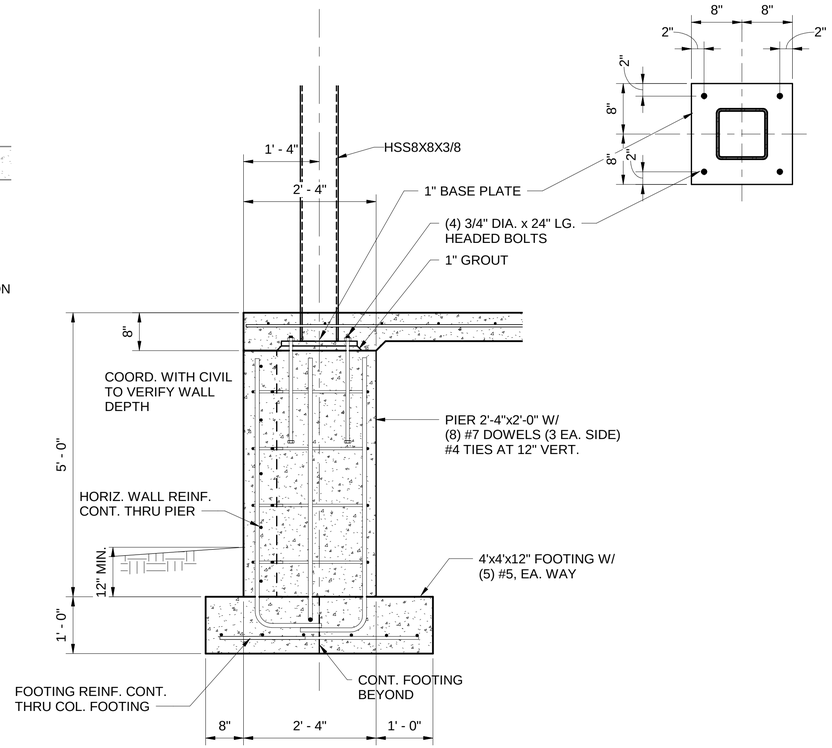
FOUNDATION DETAILS

SHEET NUMBER:

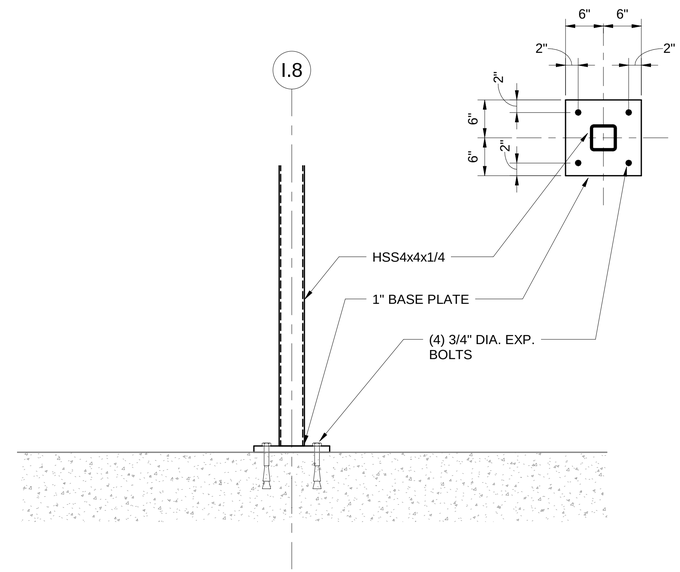
S201



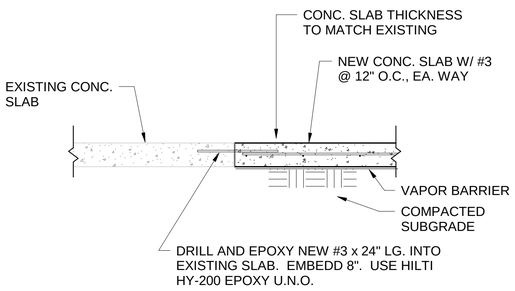
1 S202 3/4" = 1'-0"



2 S202 3/4" = 1'-0"



3 S202 1" = 1'-0"



TYPICAL SLAB INFILL DETAIL
3/4" = 1'-0"

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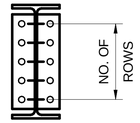
FOUNDATION
DETAILS

SHEET NUMBER:

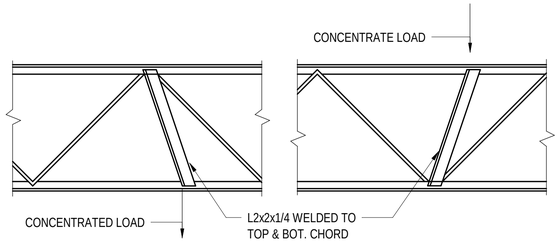
S202

DOUBLE ANGLE BOLTED CONNECTION
TYPICAL UNLESS SHOWN OTHERWISE

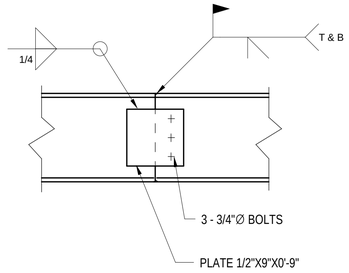
BEAM SIZE	NO. OF ROWS	BOLT SIZE	MIN. ANGLE THICKNESS	REMARKS
W8	2	3/4"	1/4"	
W10	2	3/4"	1/4"	
W12	3	3/4"	1/4"	
W14	3	3/4"	5/16"	
W16	4	3/4"	5/16"	
W18	5	3/4"	5/16"	
W21	6	3/4"	5/16"	
W24	6	3/4"	5/16"	
W27	7	3/4"	5/16"	
W30	8	3/4"	5/16"	
W36	10	3/4"	5/16"	



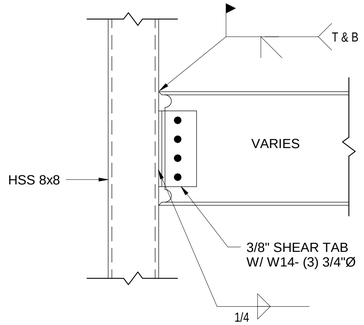
DETAIL



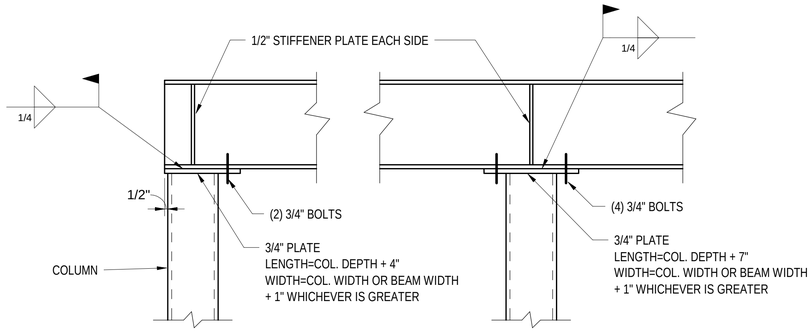
JOIST REINFORCING @ CONCENTRATED LOAD



TYPICAL SPLICE
W12 OR W14



MOMENT CONNECTION

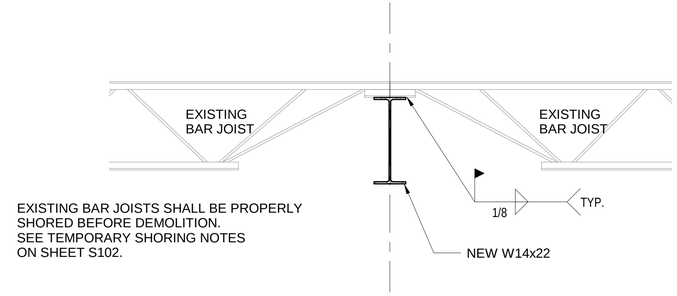


EXTERIOR CONDITION INTERIOR CONDITION

1 / S301 1" = 1'-0"

TYPICAL BEAM TO COLUMN CONNECTION AT MEZZ.

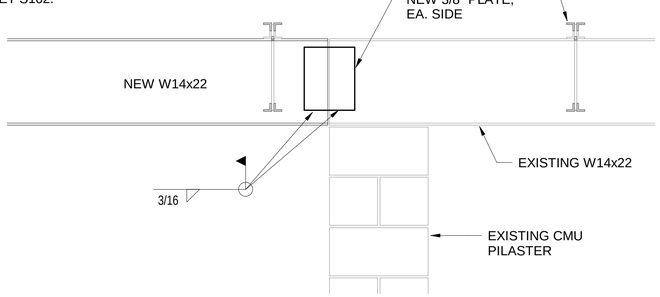
SIMILAR WHERE COLUMN TURN 90°



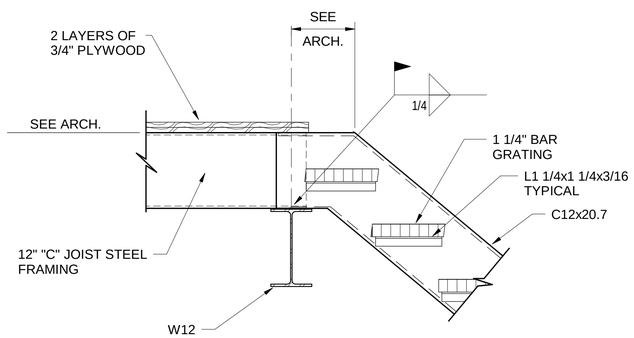
EXISTING BAR JOISTS SHALL BE PROPERLY
SHORED BEFORE DEMOLITION.
SEE TEMPORARY SHORING NOTES
ON SHEET S102.

2 / S301 1" = 1'-0"

EXISTING BAR JOISTS SHALL BE PROPERLY
SHORED BEFORE DEMOLITION.
SEE TEMPORARY SHORING NOTES
ON SHEET S102.



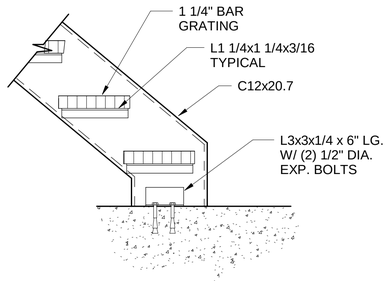
3 / S301 1" = 1'-0"



NOTES:
1. GALV. ALL STAIR STEEL FRAMING
2. SEE ARCH. FOR TREADS AND RISERS

4 / S301 1" = 1'-0"

NOTES:
1. GALV. ALL STAIR STEEL FRAMING
2. SEE ARCH. FOR TREADS AND RISERS



5 / S301 1" = 1'-0"

SE# 18042

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RENOVATE BASE SUPPLY
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172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

KENNETH SIMMONS MCGOWAN III
LICENSED PROFESSIONAL ENGINEER
10-2-23
17092
STATE OF MISSISSIPPI

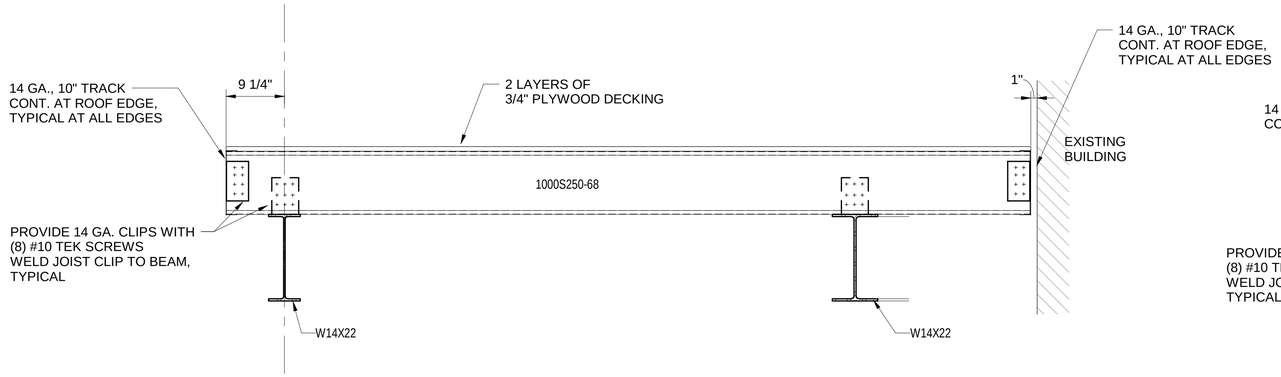
DRAWN BY:	KSM	SCALE:	1" = 1'-0"
DESIGNED BY:	KSM	DATE:	SEPT. 2023
CHECKED BY:	KSM	PROJECT:	#####

DRAWING TITLE:

STEEL DETAILS

SHEET NUMBER:

S301



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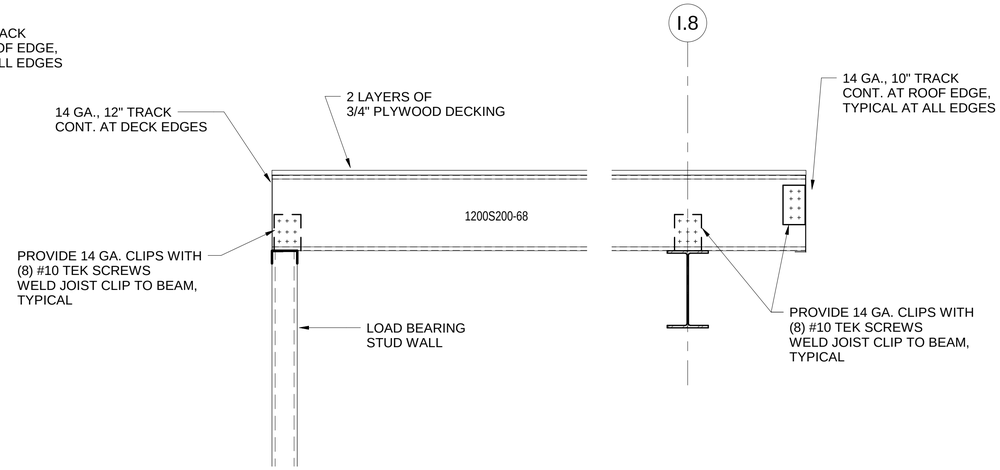
S302
1" = 1'-0"



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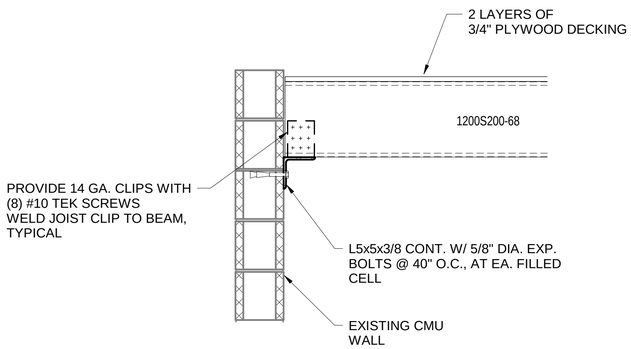

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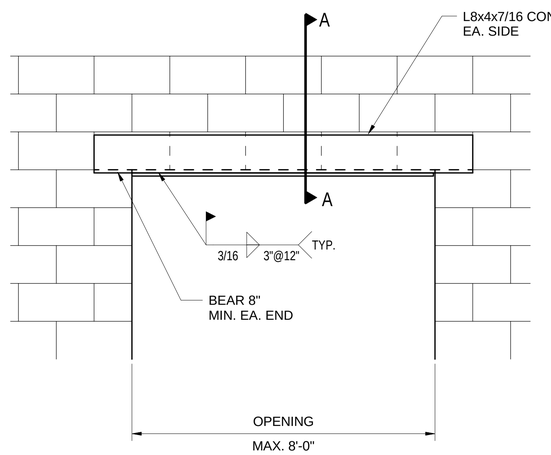
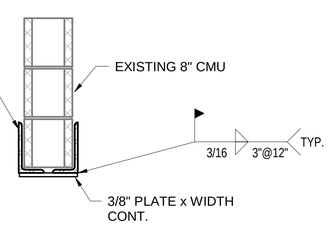




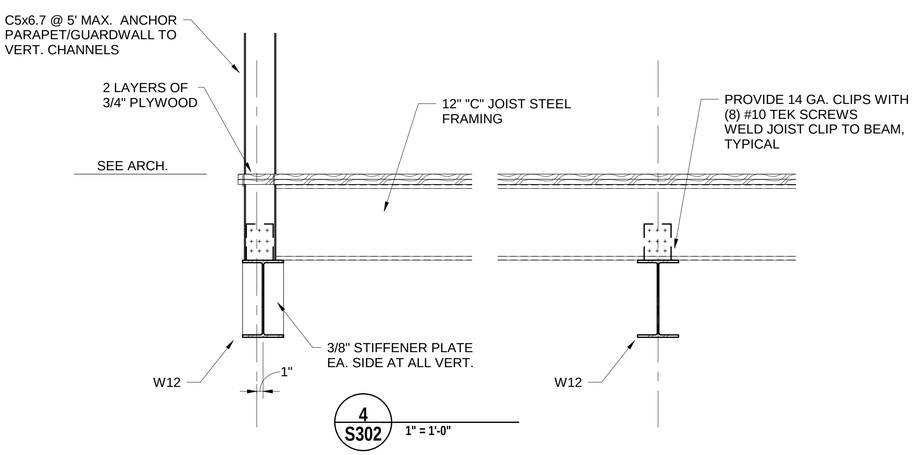
A-A

DEMOLITION NOTES:

1. CONTRACTOR SHALL COORDINATE ALL LOCATIONS WITH ARCHITECT.
2. CONTRACTOR SHALL PROVIDE SHORING FOR ALL EXISTING ROOF FRAMING ABOVE AND ADJACENT TO THE LOCATIONS THIS DETAIL IS BEING UTILIZED.
3. SHORING SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF MISSISSIPPI. PROVIDE PLANS, CALCULATIONS, DETAILS, ETC. FOR APPROVAL BEFORE BEGINNING CONSTRUCTION. SUBMITTAL SHALL BE STAMPED BY THE SHORING DESIGN ENGINEER.
4. INSTALL ALL FRAMING IN THIS DETAIL BEFORE REMOVING ANY CMU WALL AND SHORING.
5. INSTALL BOTH ANGLES BEFORE DEMOLITION OF THE CMU WALL. DEMO OUT 2' INCREMENTS OF WALL AND INSTALL THE 3/8" PLATE AT 2' INCREMENTS. WELD PLATE PER DETAIL AND AT JOINTS.

TYPICAL EXISTING MASONRY DEMOLITION AND RESUPPORT DETAIL

1" = 1'-0"



4
S302
1" = 1'-0"

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PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

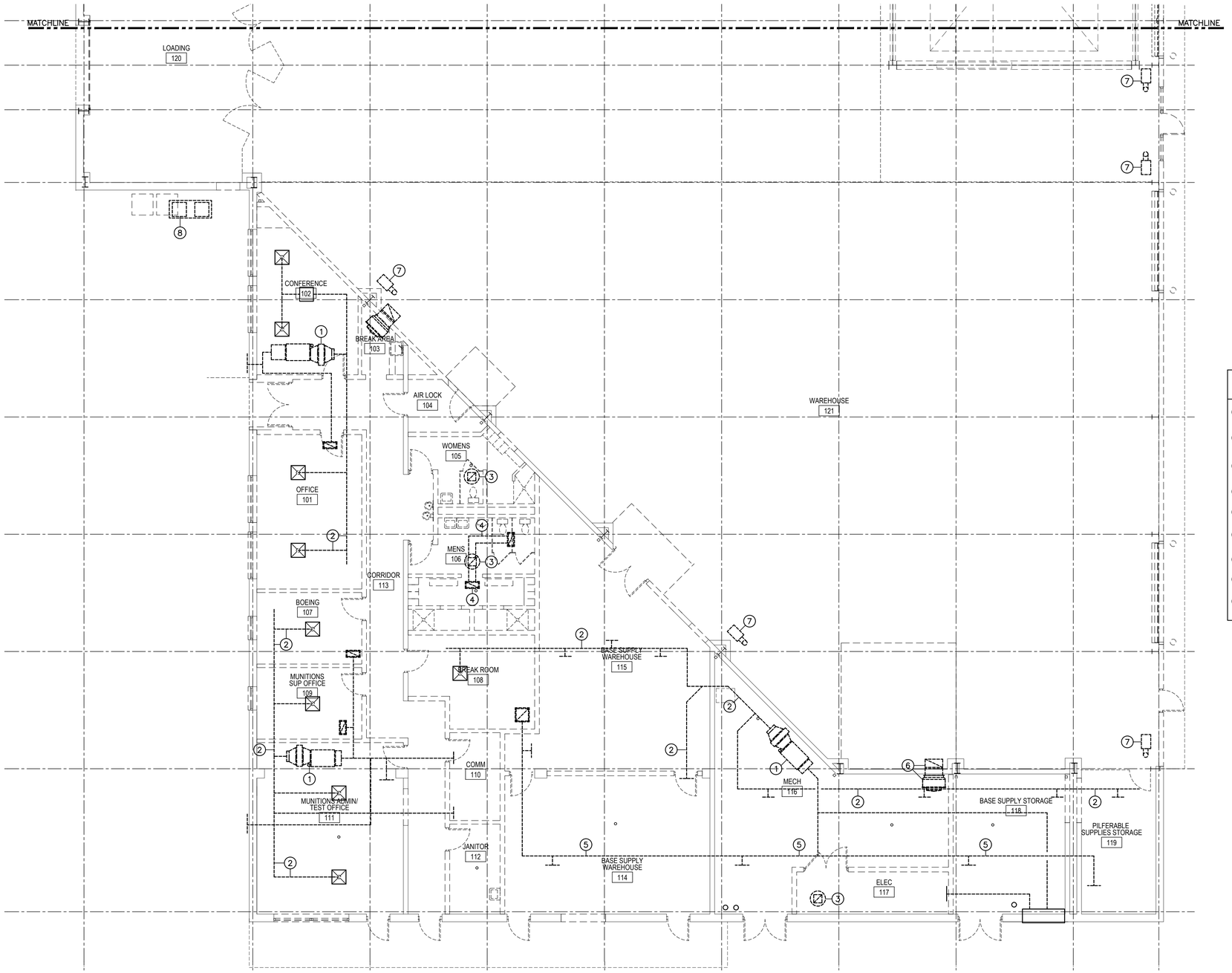
DRAWN BY: KSM	SCALE: 1" = 1'-0"
DESIGNED BY: KSM	DATE: SEPT. 2023
CHECKED BY: KSM	PROJECT: #####

DRAWING TITLE:

STEEL DETAILS

SHEET NUMBER:

S302



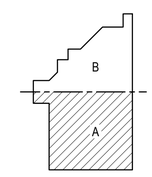
NORTH

PARTIAL FLOOR PLAN - H.V.A.C. DEMOLITION

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

KEYED H.V.A.C. DEMOLITION NOTES:

1. INDICATES EXISTING GAS-FIRED FURNACE TO BE REMOVED IN ITS ENTIRETY.
2. INDICATES EXISTING LOW PRESSURE SUPPLY AIR DUCT INCLUDING REGISTERS AND DIFFUSERS TO BE REMOVED IN THEIR ENTIRETY.
3. INDICATES EXISTING ROOF MOUNTED EXHAUST FAN TO BE REMOVED IN ITS ENTIRETY.
4. INDICATES EXISTING EXHAUST AIR DUCT AND RELATED GRILLES TO BE REMOVED.
5. INDICATES EXISTING RETURN AIR DUCT AND RELATED GRILLES TO BE REMOVED.
6. INDICATES EXISTING SIDEWALL EXHAUST FAN AND RELATED DUCT AND GRILLE, TO BE REMOVED.
7. INDICATES EXISTING GAS-FIRED UNIT HEATER TO BE REMOVED.
8. INDICATES EXISTING CONDENSING UNITS TO BE REMOVED.
9. INDICATES EXISTING WALL MOUNTED MINI-SPLIT UNIT AND MATCHING CONDENSING UNIT TO BE REMOVED IN ITS ENTIRETY.



KEY PLAN

SCWA #18-052

Scott C. Woods and Associates

SCWA Mechanical Engineers

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PROJECT# LRXQ 172402

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NO.	REMARKS	DATE

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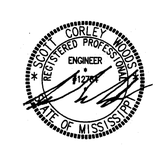

DRAWN BY: HWN	SCALE: NA
DESIGNED BY: HWN	DATE: OCTOBER 1, 2023
CHECKED BY: SCW	PROJECT: LRXQ172402

DRAWING TITLE

FLOOR PLAN/HVAC DEMO

SHEET NUMBER

M1.1

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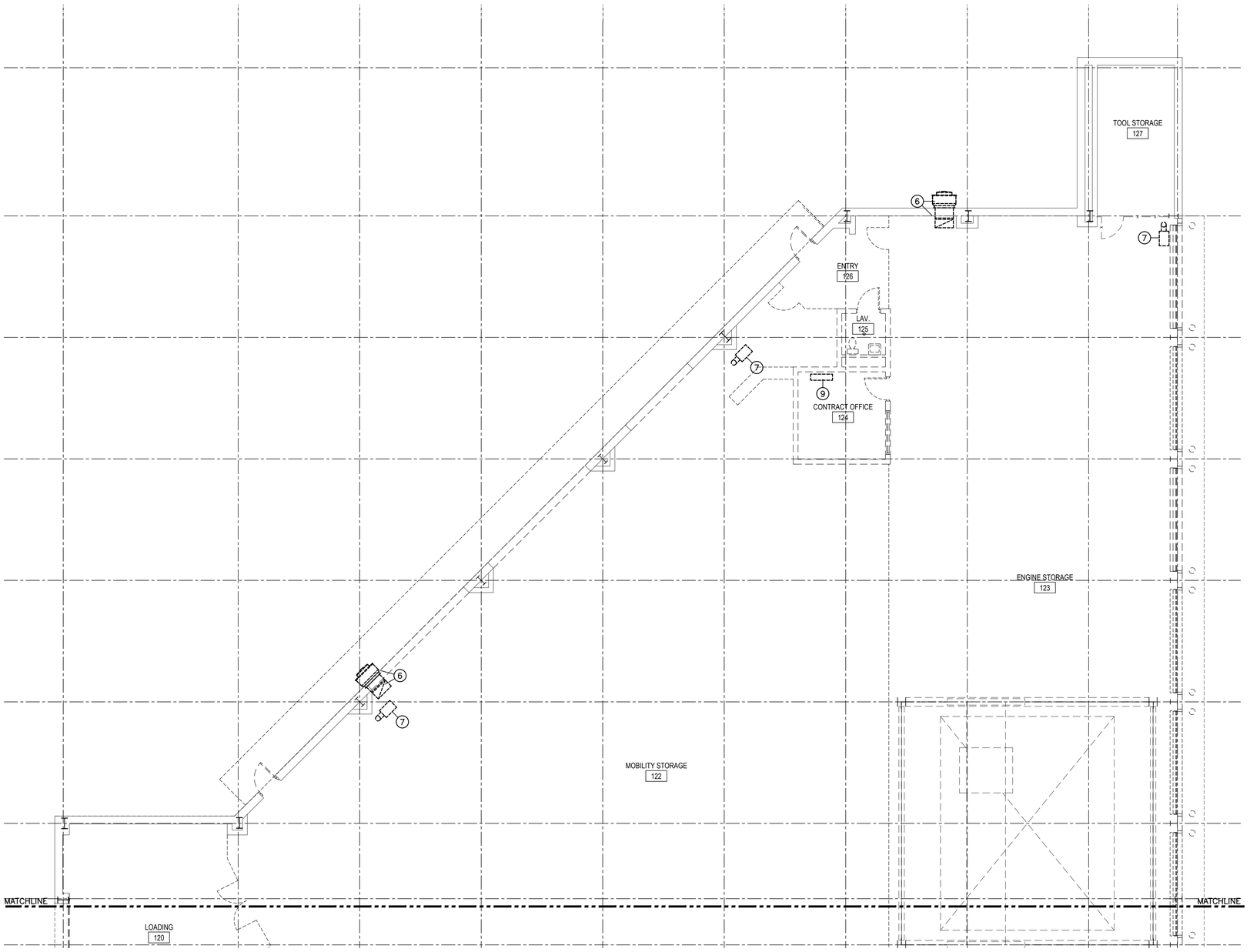
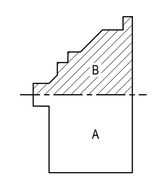


NORTH

PARTIAL FLOOR PLAN - H.V.A.C. DEMOLITION

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



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DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

DRAWN BY: HWN	SCALE: NA
DESIGNED BY: HWN	DATE: OCTOBER 1, 2023
CHECKED BY: SCW	PROJECT: LRXQ172402

DRAWING TITLE

FLOOR PLAN/HVAC DEMO

SHEET NUMBER

M1.2

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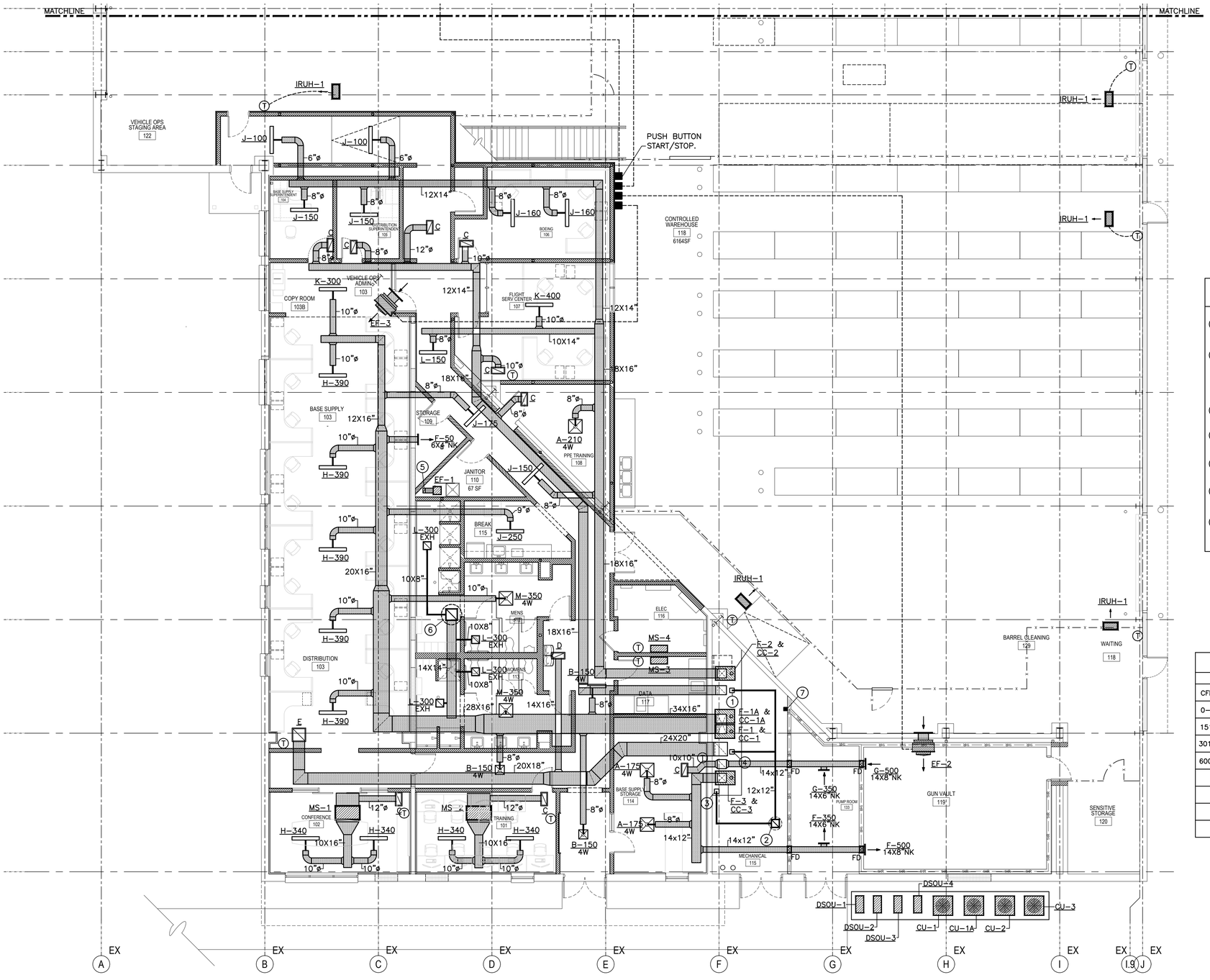


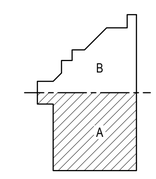
FIRST FLOOR PLAN - PART A - HVAC

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

KEYED H.V.A.C. NOTES:

1. INDICATES 8X8" MINIMUM OA DUCT DOWN AND TAP PLENUM. PROVIDE MANUAL VOLUME DAMPER.
2. INDICATES ROOF MOUNTED OUTSIDE AIR INTAKE CAP EQUAL TO A GREENHECK MODEL GRSI. 10X10" THROAT SIZE. PROVIDE WITH PITCHED ROOF MOUNTING CURB TO MATCH ROOF PITCH. PROVIDE VERTICAL PLENUM DOWN TO APPROX. 24" BELOW ROOF FOR DUCT TAPS.
3. INDICATES 6X6" MINIMUM OA DUCT DOWN AND TAP PLENUM. PROVIDE MANUAL VOLUME DAMPER.
4. INDICATES 10x10" MINIMUM OA DUCT DOWN AND TAP PLENUM. PROVIDE MANUAL VOLUME DAMPER.
5. INDICATES 6X6" EXHAUST DUCT THRU ROOF. TERMINATE WITH GREENHECK PITCHED ROOF DISCHARGE CAP.
6. INDICATES 14X14" EXHAUST AIR DUCT THRU ROOF TO EXHAUST FAN NO 1.
7. INDICATES SIEMENS CENTRAL BUILDING CONTROLLER WITH DATA PORT.

SIZING SCHEDULE	
DIFFUSER	
CFM	NECK SIZE (LOUVER FACE)
0–150	6x6"
151–300	9x9"
301–600	12x12"
600–1100	15x15"



KEY PLAN

SCWA #18–052

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SCWA Mechanical Engineers
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MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

SCOTT C. WOODS REGISTERED PROFESSIONAL ENGINEER 12705 STATE OF MISSISSIPPI

DRAWN BY: HWN	SCALE: NA
DESIGNED BY: HWN	DATE: OCTOBER 1, 2023
CHECKED BY: SCW	PROJECT: LRXQ172402

DRAWING TITLE

FLOOR PLAN/HVAC

SHEET NUMBER

M2.1

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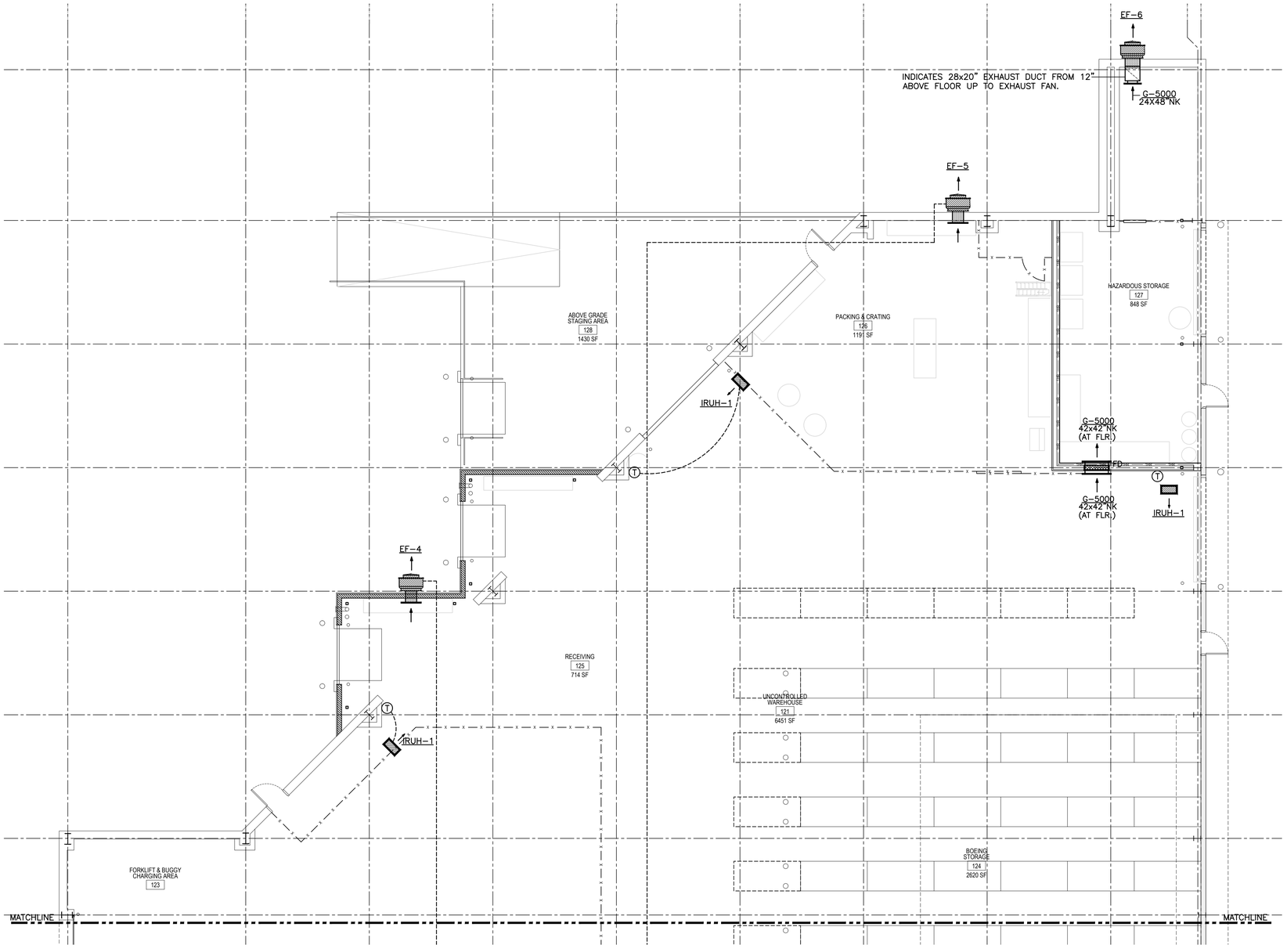


NORTH

FIRST FLOOR PLAN - PART B - HVAC

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

GENERAL NOTES:

A. INSTALLATION

1. ALL PIPING OR DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN FURRED CHASES OR SUSPENDED CEILINGS.

2. THERMOSTATS SHALL BE LOCATED 5'-0" ABOVE FLOOR AND SHALL CLEAR ALL EQUIPMENT. THERMOSTATS LOCATED NEXT TO DOORS SHALL BE LOCATED ON LATCH SIDE OF DOOR.

3. COORDINATE DIFFUSER, GRILLE, AND REGISTER LOCATIONS WITH REFLECTED CEILING PLAN.

4. THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN THE COORDINATION OF WORK OF ALL TRADES TO ASSURE PROPER INSTALLATION AND CLEARANCES. DRAWINGS ARE ESSENTIALLY DIAGRAMMATICAL AND THEREFORE CONTRACTOR SHOULD PLAN EXACT ROUTING OF DUCT AND PIPE BASED ON FIELD CONDITIONS. PROVIDE ADDITIONAL TRANSITIONS AND OFFSETS AS NECESSARY (AT NO ADDITIONAL COST TO OWNER) TO COMPLETE INSTALLATION AND MAINTAIN REQUIRED CEILING HEIGHTS.

5. ACCESS PANELS IN DUCTWORK AND NON-ACCESSIBLE CEILINGS SHALL BE PROVIDED FOR OPERATION AND MAINTENANCE OF ALL BOXES, COILS, VALVES, TRAPS, DAMPERS, CLEANOUTS, CONTROLS, ETC. PROVIDE MINIMUM 24" X 24" CEILING ACCESS PANEL FOR VAV BOXES AND 12" X 12" FOR DAMPERS. COORDINATE EXACT PLACEMENT OF ACCESS PANELS AND EQUIPMENT SO THAT REASONABLE MAINTENANCE SPACE IS AVAILABLE.

6. CONTRACTOR SHALL COORDINATE ALL OPENINGS IN ROOF TO CONFORM WITH DIMENSIONS OF EQUIPMENT PURCHASED. DUCTS THROUGH ROOF TO FANS AND HVAC EQUIPMENT SHALL BE TRANSITIONED TO COORDINATE WITH EQUIPMENT CONNECTION SIZES AND ROOF OPENING REQUIREMENTS.

7. INSTALLATION OF ALL EQUIPMENT AND SYSTEMS SHALL BE IN ACCORDANCE WITH STANDARD DETAILS, SECTIONS, AND ELEVATIONS SHOWN ON THE DRAWINGS.

8. CONTRACTOR SHALL MAINTAIN A CLEAR SERVICE AREA AROUND ALL EQUIPMENT FOR MAINTENANCE SUCH AS, FILTER REMOVAL, MOTOR AND DRIVE ADJUSTMENTS, COIL AND TUBE CLEANING OR REMOVAL.

9. ALL CONSTRUCTION SHALL BE PER DETAILS AND SPECIFICATIONS OF CONTRACT DOCUMENTS.

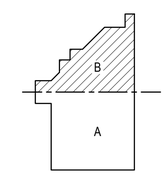
B. DUCTWORK

1. ALL DUCT RUNOUTS TO DIFFUSERS, RETURN AIR GRILLES AND EXHAUST GRILLES SHALL BE COMPLETE WITH VOLUME DAMPERS UNLESS NOTED OTHERWISE. DAMPERS MAY BE OMITTED IN DUCT RUNOUTS FROM BOXES SERVING SINGLE DIFFUSER. LOCATE DAMPERS SO THEY ARE ACCESSIBLE FROM LAY-IN CEILING OR ACCESS DOORS.

2. ROUND SUPPLY RUNOUTS TO DIFFUSERS SHALL BE HARD METAL TO WITHIN 5'-0" DEVELOPED LENGTH FROM DIFFUSER. MAXIMUM 5'-0" OF FLEXIBLE DUCT MAY BE USED FOR FINAL CONNECTION TO DIFFUSER.

3. DUCT TRANSITIONS SHALL BE PROVIDED AS REQUIRED FROM ALL EQUIPMENT CONNECTS TO DUCT SIZES INDICATED ON DRAWINGS.

4. PROVIDE EASED INLET RECTANGULAR TO ROUND TAPS AT DUCT TAPS IF ROUND DUCT SIZE IS TOO LARGE FOR BELLMOUTH TAP TO TRUNK DUCT.



KEY PLAN

SCWA #18-052

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PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

SCOTT CORLEY WOODS REGISTERED PROFESSIONAL ENGINEER #12264 STATE OF MISSISSIPPI

DRAWN BY: HWN	SCALE: NA
DESIGNED BY: HWN	DATE: OCTOBER 1, 2023
CHECKED BY: SCW	PROJECT: LRXQ172402

DRAWING TITLE

FLOOR PLAN/HVAC

SHEET NUMBER

M2.2

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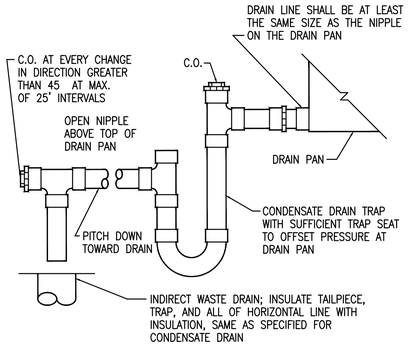
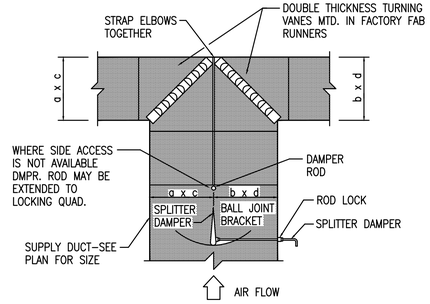
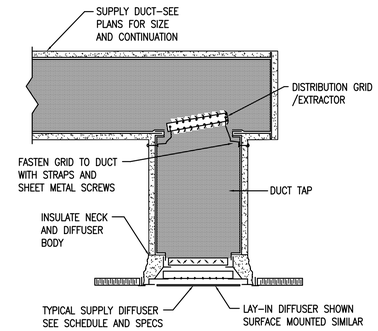


CONDENSATE DRAIN TRAP DETAIL
N.T.S.



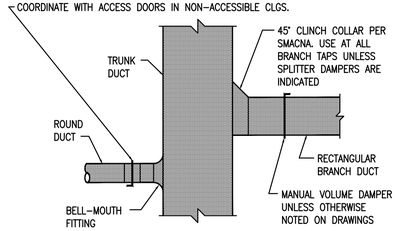
SPLITTER DAMPER DETAIL
N.T.S.



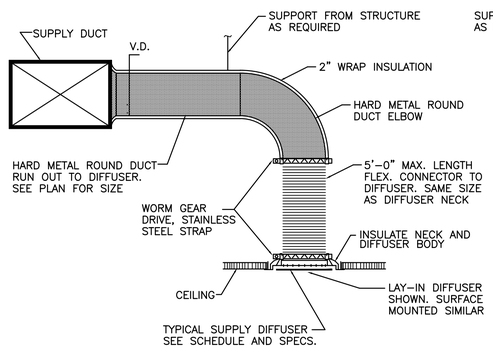
TYPICAL DIFFUSER MOUNTING
N.T.S.

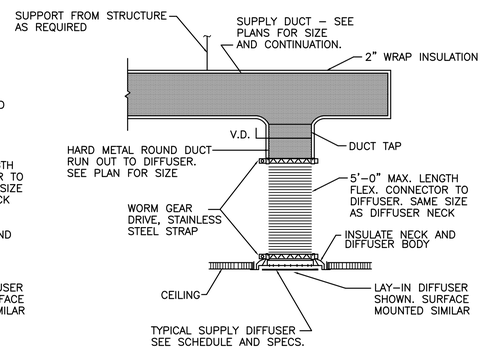
NOTE:
DAMPERS SHALL BE PROVIDED IN ALL BRANCH RUN–OUTS TO DIFFUSERS, GRILLES AND REGISTERS UNLESS SPECIFICALLY NOTED OTHERWISE ON DRAWINGS. DAMPERS ABOVE INACCESSIBLE CLG. SHALL BE COORDINATED WITH ACCESS DOORS. IF DAMPERS OCCUR IN AREAS NOT ACCESSIBLE FROM ACCESS DOORS PROVIDE OPERATOR ROD AND CLG. REGULATOR WITH GASKET AND SEALED CEILING PENETRATION.

PROVIDE MANUAL OPPOSED BLADE VOLUME DAMPER IN BRANCH LINE UNLESS OTHERWISE NOTED ON DRAWINGS. DAMPERS SHALL BE INSTALLED IN ACCESSIBLE LOCATION NEAR TRUNK DUCT AND MINIMUM OF 5'–0" FROM ANY AIR INLET OR OUTLET DEVICE. COORDINATE WITH ACCESS DOORS IN NON–ACCESSIBLE CLGS.



BRANCH DUCT TAP DETAIL
N.T.S.





TYPICAL DIFFUSER MOUNTING
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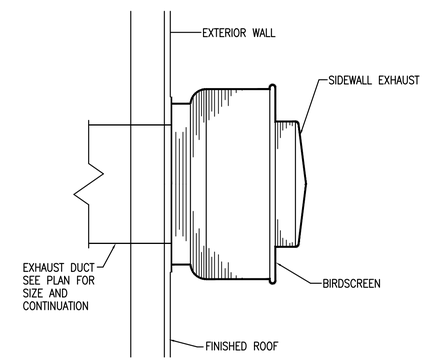

SIDEWALL EXHAUST FAN DETAIL
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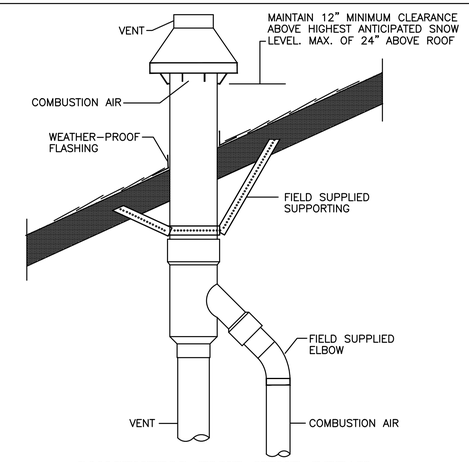

CONCENTRIC FLUE VENT DETAIL
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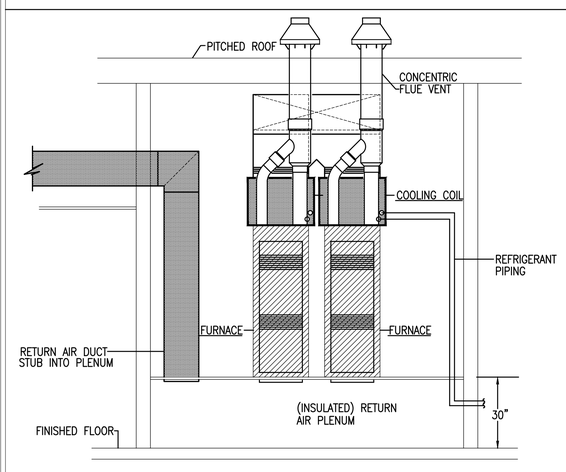
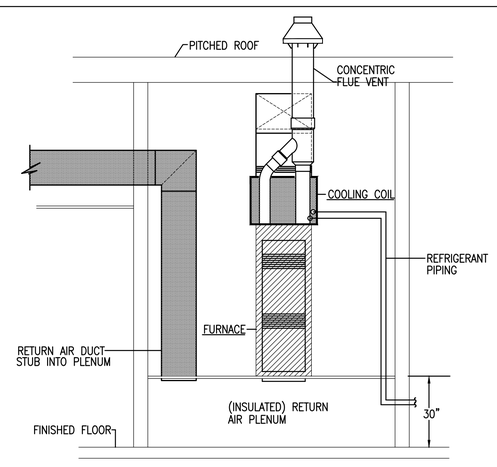


ELEVATION AT TWINNED FURNACE
NTS



ELEVATION AT FURNACE
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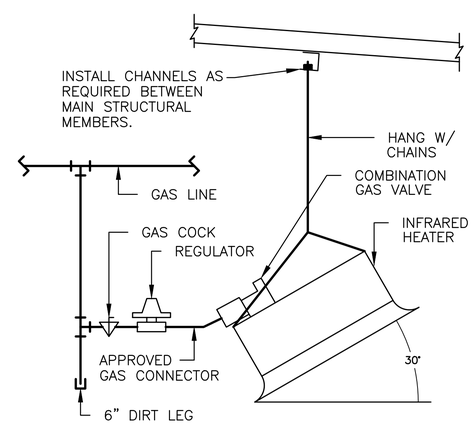

INFRARED HEATER DETAIL
NTS

SCWA #18–052

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MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

SCOTT CORLEY WOODS REGISTERED PROFESSIONAL ENGINEER 12776 STATE OF MISSISSIPPI

DRAWN BY: HWN	SCALE: NA
DESIGNED BY: HWN	DATE: OCTOBER 1, 2023
CHECKED BY: SCW	PROJECT: LRXQ172402

DRAWING TITLE
HVAC DETAILS

SHEET NUMBER
M3.1

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GAS FURNACE SCHEDULE

MARK	MAKE	MODEL	TYPE	MBH INPUT	MBH OUTPUT	TOTAL CFM	OA CFM	ESP	MOTOR HP	MOTOR VOLTS	MOTOR PHASE	TYPE GAS	VENT SIZE	MOP	REMARKS
F-1	TRANE	TUH1D120	HORIZONTAL	110.0	104.5	2,000	200	.50"	1	115	1	NATURAL	4"ø	20	PROVIDE W/ 1" FILTER RACK, SEE SPECS
F-1A	TRANE	TUH1D120	HORIZONTAL	110.0	104.5	2,000	200	.50"	1	115	1	NATURAL	4"ø	20	PROVIDE W/ 1" FILTER RACK, SEE SPECS
F-2	TRANE	TUH1C100	HORIZONTAL	97.0	92.1	1,600	150	.50"	3/4	115	1	NATURAL	4"ø	20	PROVIDE W/ 1" FILTER RACK, SEE SPECS
F-3	TRANE	TUH1B060	HORIZONTAL	60.0	57.0	1,200	100	.50"	1/2	115	1	NATURAL	4"ø	15	PROVIDE W/ 1" FILTER RACK, SEE SPECS

COOLING COIL SCHEDULE

MARK	MAKE	MODEL	CFM	EA DB	EA WB	TOT MBH	SENS MBH	APD IN WG	REMARKS
CC-1	TRANE	4TXCD060	2,000	80°F	67°F	59.2	40.9	.20"	PROVIDE W/ COIL ENCLOSURE, SEE SPECS
CC-1A	TRANE	4TXCD060	2,000	80°F	67°F	59.2	40.9	.20"	PROVIDE W/ COIL ENCLOSURE, SEE SPECS
CC-2	TRANE	4TXCC048	1,600	80°F	67°F	47.2	33.0	.20"	PROVIDE W/ COIL ENCLOSURE, SEE SPECS
CC-3	TRANE	4TXCB0036	1,200	80°F	67°F	36.10	25.10	.20"	PROVIDE W/ COIL ENCLOSURE, SEE SPECS

CONDENSING UNIT SCHEDULE

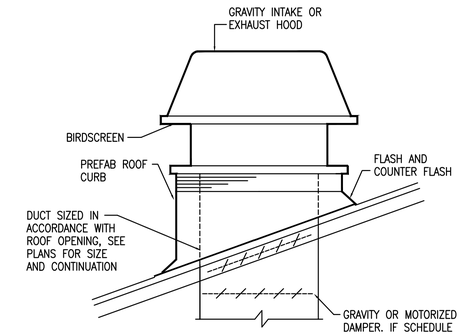
MARK	MAKE	MODEL	TYPE	MBH @ ARI	COMPRESSOR AMBIENT	COMPRESSOR NO	COMPRESSOR VOLTS	COMPRESSOR PHASE	COMPRESSOR FLA	CONDENSER FANS NO	CONDENSER FANS HP	CONDENSER FANS VOLTS	CONDENSER FANS PHASE	CONDENSER FANS FLA	MIN. CIRCUIT AMPACITY	MAX. FUSE SIZE	REMARKS
CU-1	TRANE	4TTA3060	SCROLL	59.0	95°F	1	208	3	15.6	1	1/5	208	1	1.2	21	35	SEE SPECS
CU-1A	TRANE	4TTA3060	SCROLL	59.0	95°F	1	208	3	15.6	1	1/5	208	1	1.2	21	35	SEE SPECS
CU-2	TRANE	4TTA3048	SCROLL	46.0	95°F	1	208	3	13.7	1	1/5	208	1	1.2	18	30	SEE SPECS
CU-3	TRANE	4TTA3036	SCROLL	36.0	95°F	1	208	3	10.4	1	1/8	208	1	.60	14	20	SEE SPECS

DUCTLESS SPLIT SYSTEM INDOOR UNIT SCHEDULE

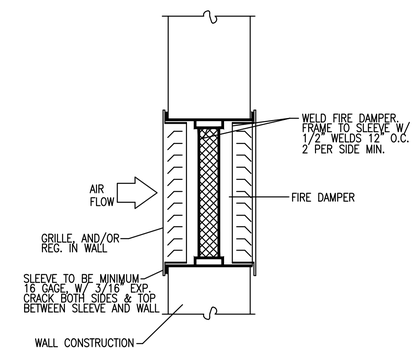
MARK	MAKE	MODEL	TYPE	FAN TOT CFM	FAN O.A CFM	FAN E.S.P.	MOTOR HP	MOTOR VOLTS	MOTOR PH.	COOLING-95° AMB. EAT	COOLING-95° AMB. TMBH	COOLING-95° AMB. SMBH	HEATING - 47° AMB. EAT	HEATING - 47° AMB. MBH	HEATING - 47° AMB. AUX. HEAT KW	HEATING - 47° AMB. STEPS	HEATING - 47° AMB. VOLTS	HEATING - 47° AMB. PH.	RLA	REMARKS
MS-1	DAIKIN	FBQ24PVJU	ABOVE CLG. DUCTED	688	---	---	---	208/230	1	80°	24.0	---	70°	27.0	---	---	---	–	0.25	PROVIDE W/ CONDENSATE PUMP
MS-2	DAIKIN	FBQ24PVJU	ABOVE CLG. DUCTED	688	---	---	---	208/230	1	80°	24.0	---	70°	27.0	---	---	---	–	0.25	PROVIDE W/ CONDENSATE PUMP
MS-3	DAIKIN	FTX24NMVJU	WALL MTD.	713	---	---	---	208/230	1	80°	24.0	15.7	70°	27.6	---	---	---	–	0.30	PROVIDE W/ CONDENSATE PUMP
MS-4	DAIKIN	FTX24NMVJU	WALL MTD.	713	---	---	---	208/230	1	80°	24.0	15.7	70°	27.6	---	---	---	–	0.30	PROVIDE W/ CONDENSATE PUMP

DUCTLESS SPLIT SYSTEM OUTDOOR UNIT SCHEDULE

MARK	MAKE	MODEL	COOLING AMBIENT	COOLING MBH	COOLING SEER	HEATING AMBIENT	HEATING MBH	HEATING HSPF	ELECTRICAL COMP. FLA	ELECTRICAL FAN FLA	ELECTRICAL VOLTS	ELECTRICAL PHASE	MCA	MOP	REMARKS
DSOU-1	DAIKIN	RZQ24PVJU9	95°	24.0	16.5	47°	27.0	10.5	---	---	208	1	16.5	20	
DSOU-2	DAIKIN	RZQ24PVJU9	95°	24.0	16.5	47°	27.0	10.5	---	---	208	1	16.5	20	
DSOU-3	DAIKIN	RX24NMVJU	95°	24.0	18.0	47°	27.0	9.0	12.0	.38	208	1	18.3	20	
DSOU-4	DAIKIN	RX24NMVJU	95°	24.0	18.0	47°	27.0	9.0	12.0	.38	208	1	18.3	20	



ROOF MTD. INTAKE/RELIEF CAP DETAIL
N.T.S.



LOW VELOCITY DUCT-FIRE DAMPER AT WALL OPENING
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DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

SCOTT CORLEY WOODS
REGISTERED PROFESSIONAL ENGINEER
#12444
STATE OF MISSISSIPPI

DRAWN BY: HWN	SCALE: NA
DESIGNED BY: HWN	DATE: OCTOBER 1, 2023
CHECKED BY: SCW	PROJECT: LRXQ172402

DRAWING TITLE

HVAC SCHEDULES

SHEET NUMBER

M4.1

SCWA #18-052
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FAN SCHEDULE

MARK	MAKE	MODEL	TYPE	CFM	RPM	ESP	WHEEL TYPE	WHEEL MIN DIA	DRIVE	SONES	MOTOR HP	MOTOR VOLTS	MOTOR PHASE	INTERLOCKED W/ CONTROLLED BY	REMARKS
EF-1	GREENHECK	GB-141	ROOF MTD CENTR	1200	825	.25"	BI	---	BELT	6.3	1/4	120	1	FURNACE 1 & 1A	B,C,G,H. SEE SPECIFICATIONS
EF-2	GREENHECK	CWB-180	SIDEWALL EXH.	5000	1350	.125"	BI	---	BELT	23	1 1/2	208	3	PUSH BUTTON START/STOP	B,J. SEE SPECIFICATIONS
EF-3	GREENHECK	CWB-180	SIDEWALL EXH.	5000	1350	.125"	BI	---	BELT	23	1 1/2	208	3	PUSH BUTTON START/STOP	B,J. SEE SPECIFICATIONS
EF-4	GREENHECK	CWB-180	SIDEWALL EXH.	5000	1350	.125"	BI	---	BELT	23	1 1/2	208	3	PUSH BUTTON START/STOP	B,J. SEE SPECIFICATIONS
EF-5	GREENHECK	CWB-180	SIDEWALL EXH.	5000	1350	.125"	BI	---	BELT	23	1 1/2	208	3	PUSH BUTTON START/STOP	B,J. SEE SPECIFICATIONS
EF-6	GREENHECK	CWB-180	SIDEWALL EXH.	5000	1350	.125"	BI	---	BELT	23	1 1/2	208	3	MMS	B,F,J. SEE SPECIFICATIONS

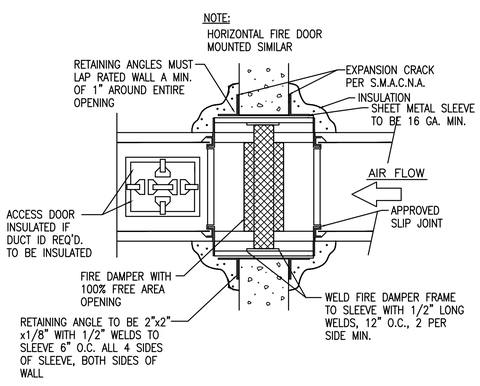
ACCESSORIES: (A) VIBRATION ISOLATORS (B) GRAVITY BACKDRAFT DPR. (C) DISCONNECT (D) SPEED CONTROLLER (E) MOTION SENSOR (F) EXPLOSION PROOF MOTOR (G) PITCHED ROOF MTG CURB (H) BIRDSCREEN (J) MOTOR-OPERATED BACKDRAFT DAMPER.

INFRA-RED UNIT HEATER SCHEDULE (GAS-FIRED)

MARK	MAKE	MODEL	FUEL	INPUT MBH HIGH	INPUT MBH LOW	MOUNTING HEIGHT	ELECTRICAL DATA	REMARKS
IRUH-1	DETROIT RADIANT	DR-80	NAT. GAS	80.0	–	16'0" A.F.F.	120/1	MTG HEIGHTH REFERS TO BOTTOM OF UNIT.PROVIDE W/ REMOTE T'STAT.

GRILLE, REGISTER AND DIFFUSER SCHEDULE

MARK	MAKE	MODEL	TYPE	USE S	USE R	USE E	MTG	PANEL SIZE	NECK SIZE	MAX CFM	MAX PD	DAMPER	FINISH	PATTERN	REMARKS
A	PRICE	AMD	LOUVER FACE	X			LAY-IN	24x24"	SEE PLAN	SEE PLAN	.07"	---	WHITE	SEE PLAN	SEE SPECS
B	PRICE	AMD	LOUVER FACE	X			SURFACE	12x12"	SEE PLAN	SEE PLAN	.07"	---	WHITE	SEE PLAN	SEE SPECS
C	PRICE	80	CUBE-CORE		X	X	LAY-IN	24x12"	22x10"	1200	.05"	---	WHITE	---	SEE SPECS
D	PRICE	80	CUBE-CORE		X	X	SURFACE	24x12"	22x10"	1300	.05"	---	WHITE	---	SEE SPECS
E	PRICE	80	CUBE-CORE		X		LAY-IN	24x24"	22x22"	2300	.05"	---	WHITE	---	SEE SPECS
F	PRICE	620	DOUBLE DEFLECTION	X			SURFACE	MFGRS STANDARD	SEE PLAN	SEE PLAN	.07"	---	ALUMINUM ENAMEL	FULLY ADJUSTABLE	SEE SPECS
G	PRICE	630	FIXED BLADE		X	X	SURFACE	MFGRS STANDARD	SEE PLAN	SEE PLAN	.05"	---	ALUMINUM ENAMEL	45° BLADES	SEE SPECS
H	PRICE	SDS	LINEAR SLOT DIFF	X			LAY-IN	48" LONG	(4) 3/4" SLOTS	100/FT.	.07"	---	ALUMINUM ENAMEL	FULLY ADJUSTABLE	SEE SPECS
J	PRICE	SDS	LINEAR SLOT DIFF	X			LAY-IN	48" LONG	(2) 3/4" SLOTS	50/FT.	.07"	---	ALUMINUM ENAMEL	FULLY ADJUSTABLE	SEE SPECS
K	PRICE	SDS	LINEAR SLOT DIFF	X			SURFACE	48" LONG	(4) 3/4" SLOTS	100/FT.	.07"	---	ALUMINUM ENAMEL	FULLY ADJUSTABLE	SEE SPECS
L	PRICE	80	CUBE-CORE			X	SURFACE	MFGRS STANDARD	10x10"	350	.05"	---	WHITE	---	SEE SPECS
M	PRICE	AMD	LOUVER FACE	X			SURFACE	MFGRS STANDARD	SEE PLAN	SEE PLAN	.07"	---	WHITE	SEE PLAN	SEE SPECS



VERTICAL FIRE DAMPER
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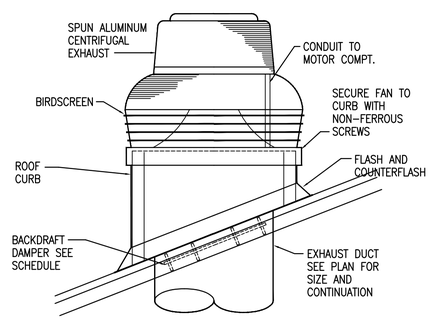

ROOF MTD. FAN DETAIL
N.T.S.

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
A-200 4W	TYPICAL SUPPLY AIR DIFFUSER SHOWING CFM AND AIRFLOW PATTERN.
B	TYPICAL 24X12" RETURN/EXHAUST GRILLE.
C	TYPICAL 24X24" RETURN/EXHAUST GRILLE.
FD	DUCTWORK WITH FIRE DAMPER.
SD	DUCTWORK WITH SPLITTER DAMPER.
	RECTANGLE TO RECTANGLE TAKE-OFF.
	DOUBLE WALL SPIRAL DUCT.
T	AUTOMATIC HEATING/COOLING THERMOSTAT.
H	HIGH HUMIDITY SENSOR.
SA	SUPPLY AIR
RA	RETURN AIR
EA	EXHAUST AIR
OA	OUTSIDE AIR
FD	FIRE DAMPER
SD	SPLITTER DAMPER

HVAC CONTROLS

ALL HEATING AND COOLING UNITS SHALL INCLUDE PROGRAMMABLE THERMOSTATS. EACH THERMOSTAT SHALL COMMUNICATE SEAMLESSLY WITH THE BASE SIEMENS ENERGY MANAGEMENT SYSTEM.

CONTROL SEQUENCE

ALL A/C UNITS

OCCUPIED:

THE UNIT SHALL BE STARTED LOCALLY BY THE UNIT'S THERMOSTAT OR BY THE BASE ENERGY MANAGEMENT SYSTEM (EMS). WHEN THE UNIT IS STARTED, THE SUPPLY SHALL START AND RUN CONTINUOUSLY. THE OUTSIDE AIR DAMPER SHALL BE PRE-SET TO ALLOW AN INTAKE OF 50 CFM. THE COMPRESSOR SHALL CYCLE/MODULATE AS REQUIRED TO MAINTAIN SPACE TEMPERATURE.

WHEN SPACE TEMPERATURE IS BELOW HEATING SET POINT, THE UNIT'S GAS BURNERS SHALL IGNITE AND MODULATE TO MAINTAIN SPACE HEATING SET POINT.

UNOCCUPIED:

THE OCCUPIED/UNOCCUPIED SEQUENCE SHALL BE SET BY SCHEDULE VIA THE EMS OR OVERRIDDEN BY LOCAL THERMOSTAT.

THE UNOCCUPIED SEQUENCE SHALL BE THE SAME AS ABOVE WITH THE FOLLOWING EXCEPTIONS:

- THE SUPPLY FAN SHALL CYCLE WITH COMPRESSORS AND/OR FURNACE.
- UNOCCUPIED HEATING AND COOLING SET POINTS SHALL BE SET BY BASE FACILITIES OFFICE.

GAS METERING

AN ELECTRONIC GAS METER SHALL BE PROVIDED TO METER GAS TO THE FACILITY. METER SHALL BE TOTALIZING TYPE AND COMMUNICATE WITH THE SIEMENS BASE ENERGY MANAGEMENT SYSTEM.

SCWA #18-052

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DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

DRAWN BY: HWN	SCALE: NA
DESIGNED BY: HWN	DATE: OCTOBER 1, 2023
CHECKED BY: SCW	PRJUECT: LRXQ172402

DRAWING TITLE

HVAC SCHEDULES

SHEET NUMBER

M4.2

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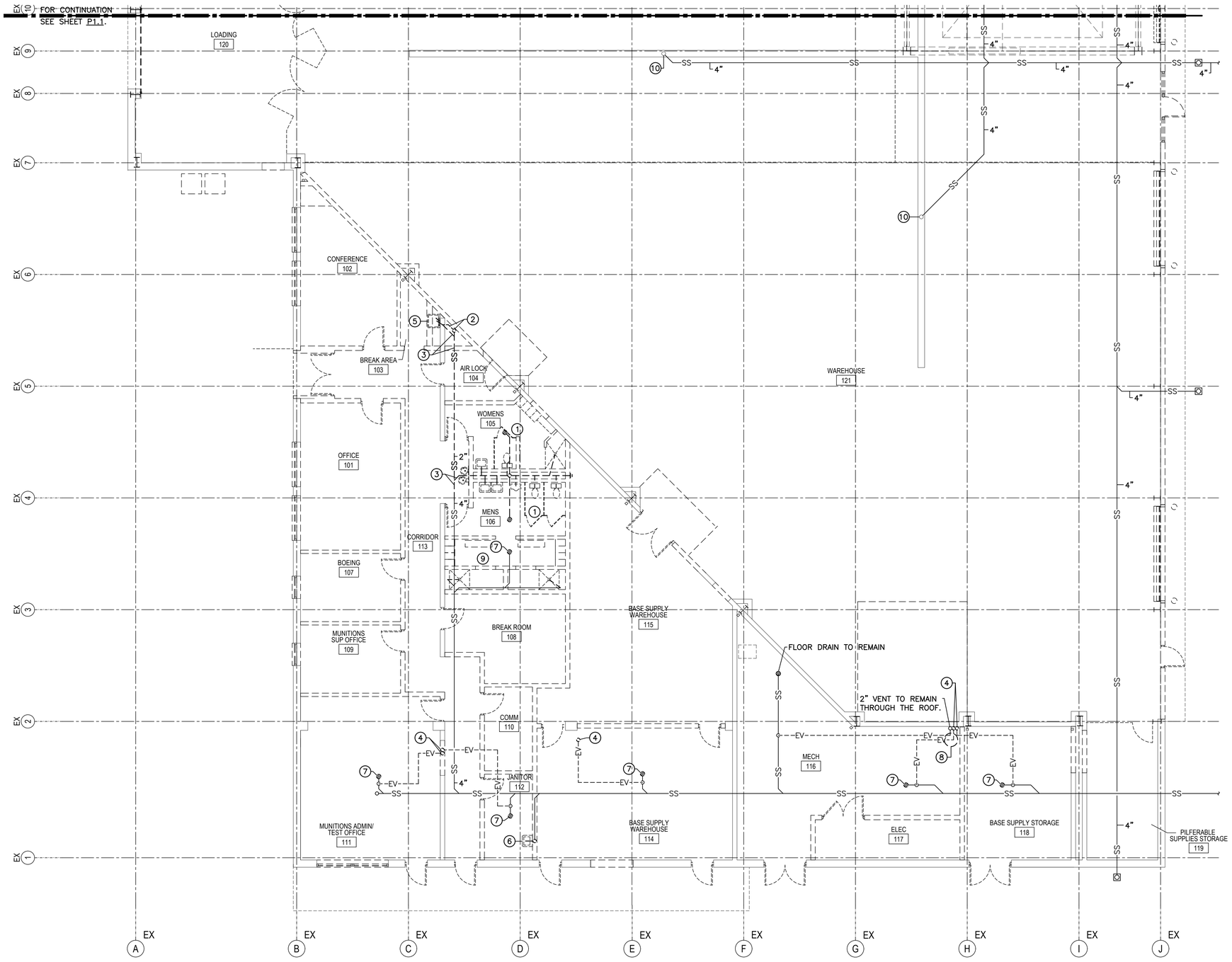


PARTIAL FLOOR PLAN-PART A/SEWER AND VENT DEMOLITION

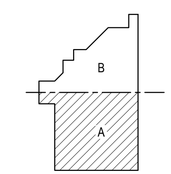
SCALE: 1/8"=1'-0"

KEYED DEMO. NOTES

1. CONTRACTOR SHALL REMOVE ALL THE PLUMBING FIXTURES IN THIS TOILET, INCLUDING THE EXISTING SANITARY SEWER AND VENT PIPING.
2. INDICATES EXISTING VENT PIPING TO BE REMOVE. THE GENERAL CONTRACTOR SHALL PATCH THE EXISTING ROOF AS DIRECTED BY THE ARCHITECT.
3. INDICATES EXISTING SANITARY SEWER PIPE TO BE REMOVED. THE GENERAL CONTRACTOR SHALL PATCH THE EXISTING FLOOR AS DIRECTED BY THE ARCHITECT.
4. INDICATES EXISTING 2" VENT PIPE TO BE REMOVED FROM BELOW THE EXISTING FLOOR THROUGH THE ROOF. CAP THE EXISTING VENT PIPE BELOW THE FLOOR AS REQUIRED.
5. INDICATES EXISTING SINK TO BE REMOVED IN ITS ENTIRETY. THIS SHALL INCLUDE ALL THE EXISTING SANITARY SEWER AND VENT PIPING.
6. INDICATES EXISTING SERVICE SINK TO BE REMOVED IN ITS ENTIRETY. THIS SHALL INCLUDE THE EXISTING SANITARY SEWER AND VENT PIPING THROUGH THE ROOF. CAP THE EXISTING SANITARY SEWER LINE BELOW THE FLOOR AS REQUIRED.
7. INDICATES EXISTING FLOOR DRAIN TO BE REMOVED. CAP THE EXISTING SANITARY SEWER BELOW THE FLOOR AS REQUIRED.
8. INDICATES EXISTING WATER HEATER TO BE REMOVED IN ITS ENTIRETY, INCLUDING THE EXISTING FLUE THROUGH THE ROOF.
9. CONTRACTOR SHALL REMOVE ALL THE EXISTING SHOWERS IN THIS THIS AREA, INCLUDING THE EXISTING SANITARY SEWER AND VENT PIPING. CAP THE EXISTING SEWER PIPING BELOW THE FLOOR AS REQUIRED.
10. CONTRACTOR SHALL REMOVE THE EXISTING DRAIN AND CAP AS REQUIRED.

GENERAL NOTES

1. FOR ALL NEW WORK AND PIPING SEE SHEET P2.0.
2. GENERAL CONTRACTOR SHALL PATCH THE EXISTING FLOOR AS DIRECTED BY THE ARCHITECT.



KEY PLAN

SCWA #18-052

Scott C. Woods and Associates

SCWA Mechanical Engineers

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RENOVATE BASE SUPPLY WAREHOUSE B180

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DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

SCOTT CORLEY WOODS REGISTERED PROFESSIONAL ENGINEER #12264 STATE OF MISSISSIPPI

DRAWN BY: JOL	SCALE: NA
DESIGNED BY: JOL	DATE: OCTOBER 1, 2023
CHECKED BY: SCW	PROJECT: LRXQ172402

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PARTIAL FLOOR PLAN/
SEWER AND VENT DEMOLITION

SHEET NUMBER

P1.0

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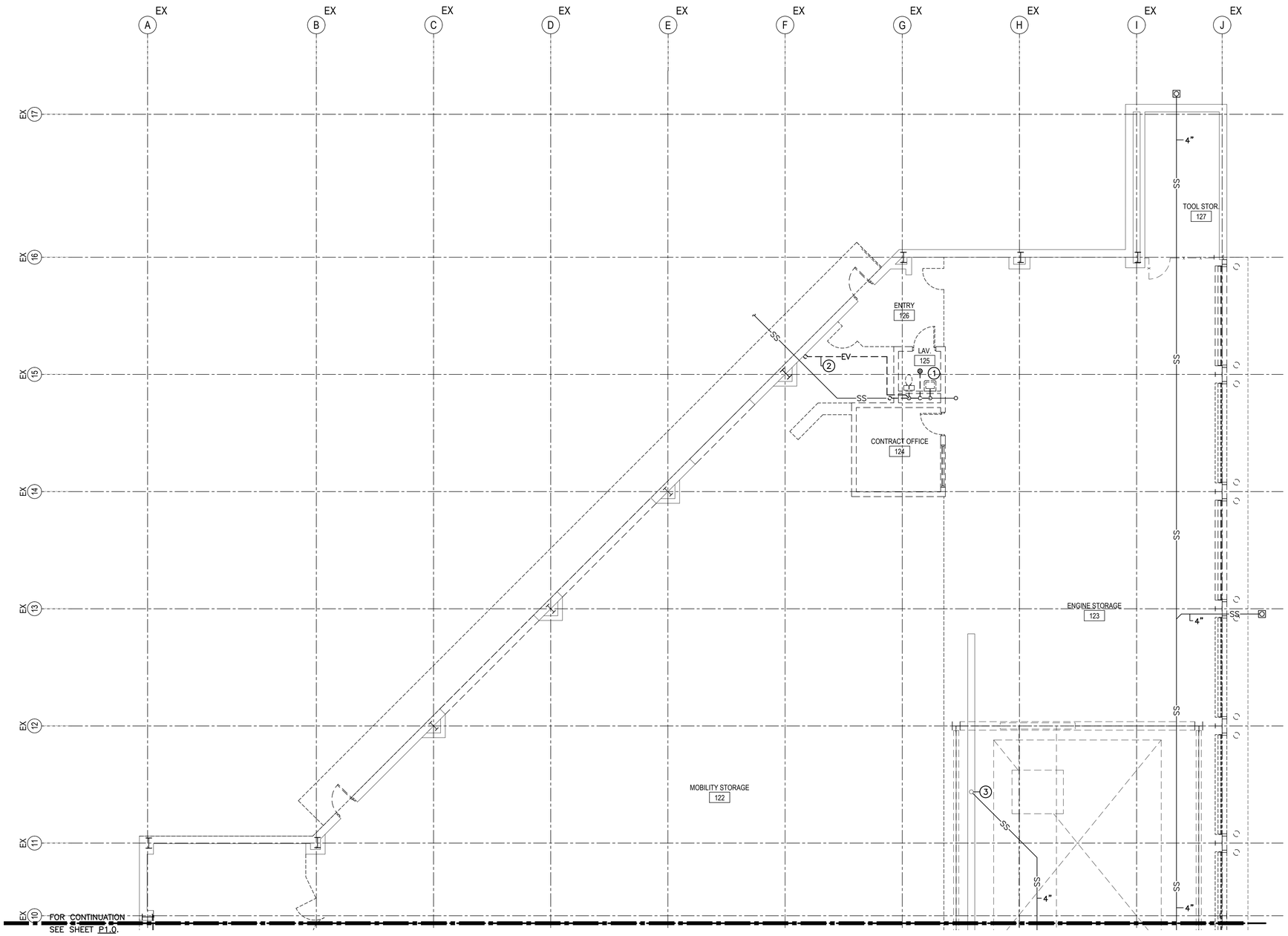


NORTH

PARTIAL FLOOR PLAN-PART B/SEWER AND VENT DEMOLITION

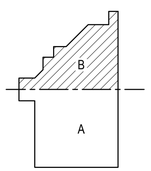
SCALE: 1/8"=1'-0"

KEYED DEMO. NOTES

1. CONTRACTOR SHALL REMOVE ALL THE PLUMBING FIXTURES IN THIS TOILET, INCLUDING THE EXISTING SANITARY SEWER AND VENT PIPING. CAP THE EXISTING SEWER PIPING BELOW THE FLOOR AS REQUIRED.
2. INDICATES EXISTING VENT PIPING TO BE REMOVE. THE GENERAL CONTRACTOR SHALL PATCH THE EXISTING ROOF AS DIRECTED BY THE ARCHITECT.
3. CONTRACTOR SHALL REMOVE THE EXISTING DRAIN AND CAP AS REQUIRED.

GENERAL NOTES

1. FOR ALL NEW WORK AND PIPING SEE SHEET P2.1.
2. GENERAL CONTRACTOR SHALL PATCH THE EXISTING FLOOR AS DIRECTED BY THE ARCHITECT.



KEY PLAN

SCWA #18-052

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DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

SCOTT CORLEY WOODS REGISTERED PROFESSIONAL ENGINEER #12764 STATE OF MISSISSIPPI

DRAWN BY: JOL	SCALE: NA
DESIGNED BY: JOL	DATE: OCTOBER 1, 2023
CHECKED BY: SCW	PROJECT: LRXQ172402

DRAWING TITLE

PARTIAL FLOOR PLAN/
SEWER AND VENT DEMOLITION

SHEET NUMBER

P1.1

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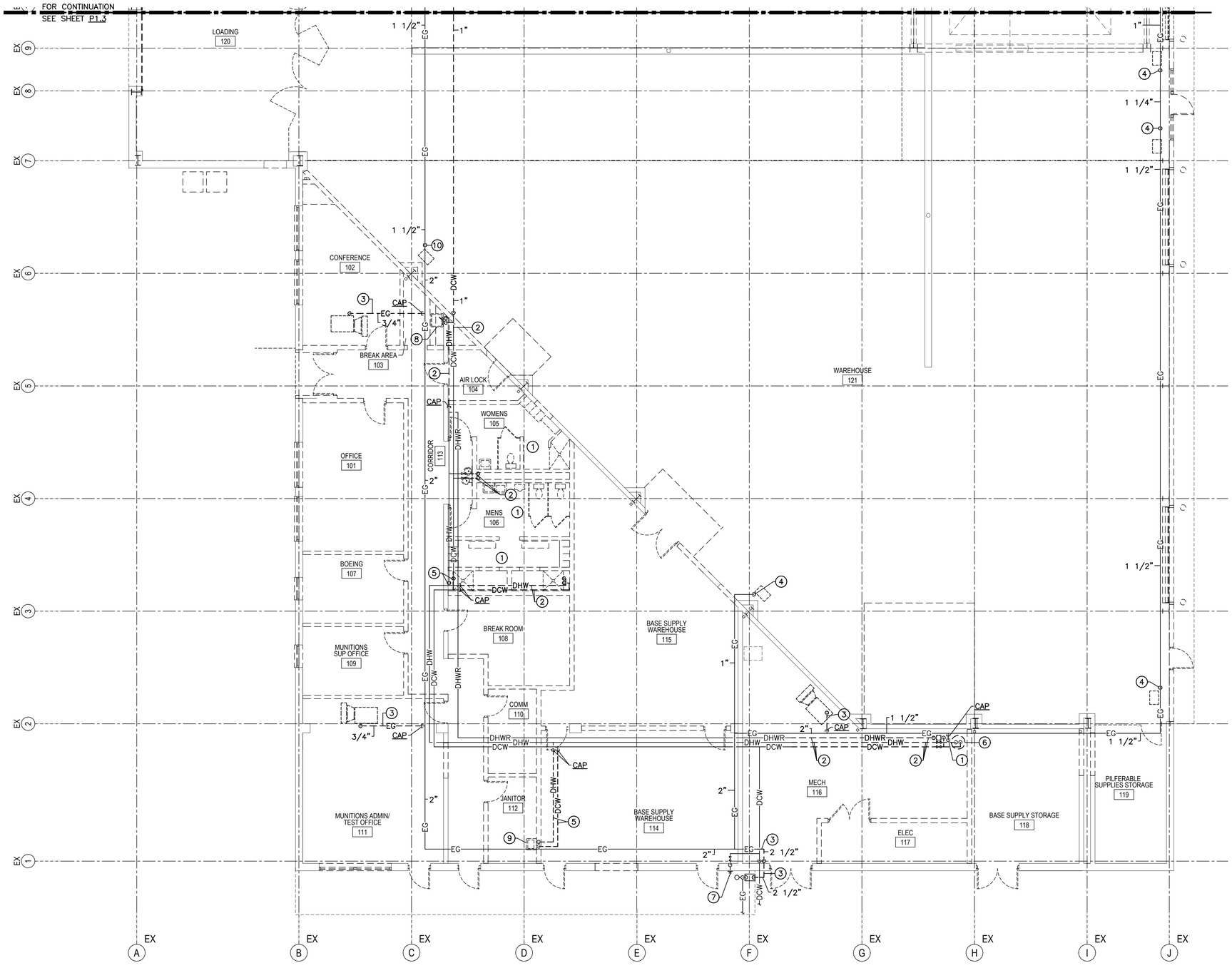


NORTH

PARTIAL FLOOR PLAN-PART A/DOMESTIC WATER AND GAS DEMOLITION

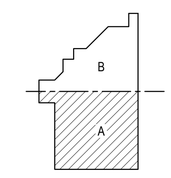
SCALE: 1/8"=1'-0"

KEYED DEMO. NOTES

1. CONTRACTOR SHALL REMOVE ALL THE PLUMBING FIXTURES IN THIS TOILET, INCLUDING THE EXISTING DOMESTIC WATER PIPING.
2. INDICATES EXISTING DOMESTIC WATER LINE TO BE REMOVED.
3. INDICATES EXISTING GAS LINE TO BE REMOVED.
4. INDICATES THE EXISTING GAS DROP TO BE REMOVED.
5. INDICATES EXISTING DOMESTIC WATER PIPING TO BE REMOVED AND CAPPED AT THE EXISTING MAIN.
6. INDICATES THE EXISTING WATER HEATER AND DOMESTIC WATER PUMP TO BE REMOVED IN THEIR ENTIRETY, THIS SHALL INCLUDE ALL THE DOMESTIC WATER PIPING AND GAS PIPING SERVING THE WATER HEATER.
7. INDICATES EXISTING HOSE BIBB TO BE REMOVED.
8. INDICATES EXISTING SINK TO BE REMOVED IN ITS ENTIRETY.
9. INDICATES EXISTING SERVICE SINK TO BE REMOVED IN ITS ENTIRETY. THIS SHALL INCLUDE THE EXISTING DOMESTIC WATER PIPING.
10. INDICATES THE EXISTING GAS DROP TO BE REMOVED AND CAPPED.

GENERAL NOTES

1. FOR ALL NEW WORK AND PIPING SEE SHEET P2.2.



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NO.	REMARKS	DATE

SEAL:

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DRAWN BY: JOL	SCALE: NA
DESIGNED BY: JOL	DATE: OCTOBER 1, 2023
CHECKED BY: SCW	PROJECT: LRXQ172402

DRAWING TITLE

PARTIAL FLOOR PLAN/ DOMESTIC WATER AND GAS DEMO.

SHEET NUMBER

P1.2

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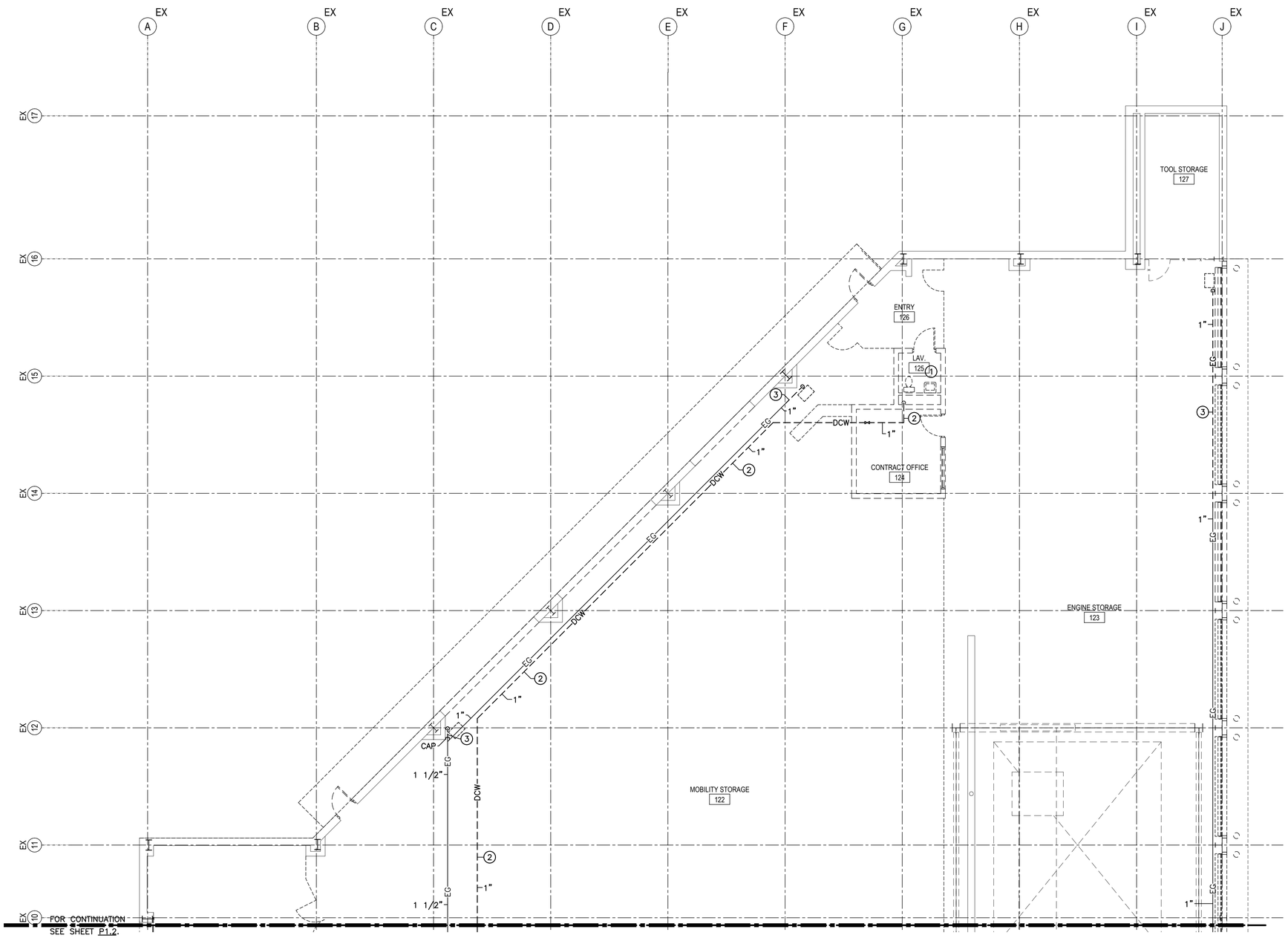


NORTH

PARTIAL FLOOR PLAN-PART B/DOMESTIC WATER AND GAS DEMOLITION

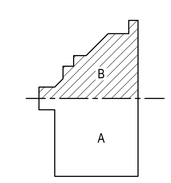
SCALE: 1/8"=1'-0"

KEYED DEMO. NOTES

1. CONTRACTOR SHALL REMOVE ALL THE PLUMBING FIXTURES IN THIS TOILET, INCLUDING THE EXISTING DOMESTIC WATER PIPING.
2. INDICATES EXISTING DOMESTIC WATER LINE TO BE REMOVED.
3. INDICATES EXISTING GAS LINE TO BE REMOVED.

GENERAL NOTES

1. FOR ALL NEW WORK AND PIPING SEE SHEET P2.3.



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SEAL:

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#12777
STATE OF MISSISSIPPI

DRAWN BY: JOL	SCALE: NA
DESIGNED BY: JOL	DATE: OCTOBER 1, 2023
CHECKED BY: SCW	PROJECT: LRXQ172402

DRAWING TITLE

PARTIAL FLOOR PLAN/
DOMESTIC WATER AND GAS DEMO.

SHEET NUMBER

P1.3

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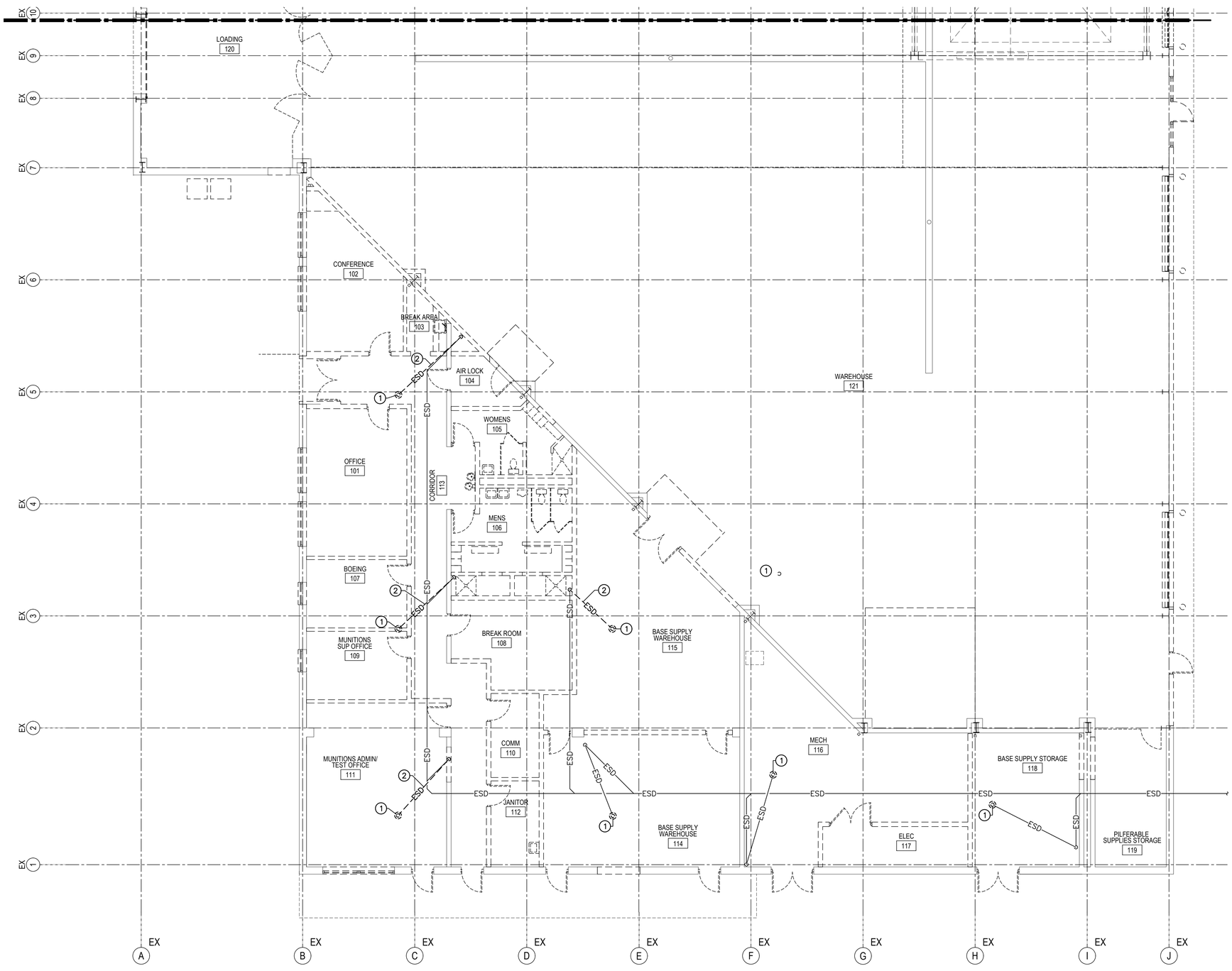


NORTH

PARTIAL FLOOR PLAN-PART A/STORM DRAIN DEMOLITION

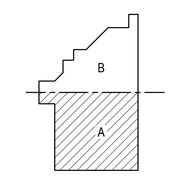
SCALE: 1/8"=1'-0"

KEYED DEMO. NOTES

1. INDICATES EXISTING ROOF DRAIN TO BE REMOVED.
2. INDICATES EXISTING 4" STORM DRAIN PIPING TO BE REMOVED FROM THE EXISTING ROOF DRAIN TO THE BELOW FLOOR. CAP THE EXISTING STORM DRAIN PIPING BELOW THE FLOOR AS REQUIRED.

GENERAL NOTES

1. FOR ALL NEW WORK AND PIPING SEE SHEET P2.4.
2. GENERAL CONTRACTOR SHALL PATCH THE EXISTING FLOOR AS DIRECTED BY THE ARCHITECT.



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12766
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DESIGNED BY: JOL	DATE: OCTOBER 1, 2023
CHECKED BY: SCW	PROJECT: LRXQ172402

DRAWING TITLE

PARTIAL FLOOR PLAN/
STORM DRAIN DEMOLITION

SHEET NUMBER

P1.4

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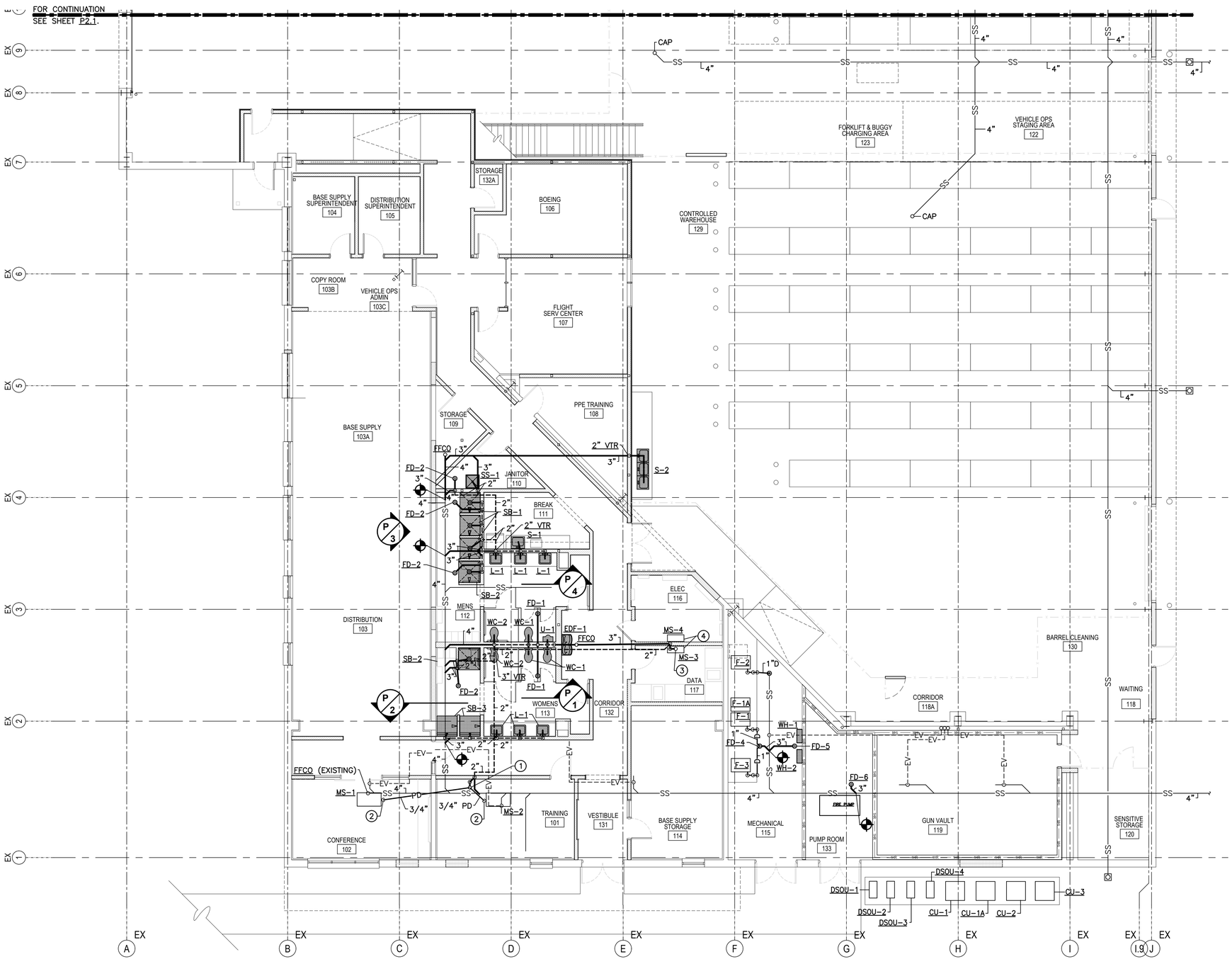


NORTH

PARTIAL FLOOR PLAN-PART A/SEWER AND VENT

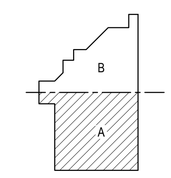
SCALE: 1/8"=1'-0"

KEYED NOTES

1. INDICATES 2" DEEP SEAL P-TRAP WITH 2"x4" INCREASER ABOVE THE CEILING.
2. INDICATES 3/4" PUMPED CONDENSATE DRAIN LINE DOWN TO UNIT MOUNT CONDENSATE PUMP. PROVIDE CHECK VALVE AT PUMP CONNECTION.
3. INDICATES 2" DEEP SEAL P-TRAP WITH 2"X3" INCREASER BELOW THE UNIT. MOUNT TOP OF THE P-TRAP AT 6" BELOW THE UNIT.
4. PROVIDE 3/4" CONDENSATE DRAIN LINE FOR THE UNIT TO THE 2" DEEP SEAL P-TRAP AS REQUIRED.

GENERAL NOTES

1. THIS CONTRACTOR SHALL COORDINATE SEWER INVERTS BEFORE INSTALLING PIPE.
2. ALL SANITARY SEWER PIPING SHOWN SHALL BE BELOW THE FLOOR AND SLOPED AT 1/8" PER FOOT MINIMUM UNLESS NOTED OTHERWISE.
3. ALL VENT PIPING SHALL BE ABOVE THE CEILING UNLESS NOTED OTHERWISE.
4. THIS CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATIONS AND SIZES OF ALL EXISTING UTILITIES BEFORE INSTALLING NEW PIPING.
5. THIS CONTRACTOR SHALL SAWCUT THE EXISTING FLOOR SLAB AS REQUIRED TO INSTALL THE NEW PIPING. THE GENERAL CONTRACTOR SHALL PATCH THE EXISTING FLOORS AS DIRECTED BY THE ARCHITECT.
6. THIS CONTRACTOR SHALL PROVIDE FIRE COLLARS ON ALL PVC PIPING THAT PENETRATES FIRE WALLS OR FLOORS AND FIRE CAULK AROUND ALL METAL PIPING THAT PENETRATES FIRE WALLS OR FLOORS. SEE ARCHITECTURAL PLANS FOR FIRE RATING.
7. ALL CONDENSATE PIPING SHOWN SHALL BE SLOPED AT 1/8" PER FOOT MINIMUM.
8. ALL PUMPED CONDENSATE PIPING SHOWN SHALL BE RUN ABOVE THE CEILING AND SLOPED AT 1/8" PER FOOT MINIMUM.



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DESIGNED BY: JOL	DATE: OCTOBER 1, 2023
CHECKED BY: SCW	PROJECT: LRXQ172402

DRAWING TITLE

PARTIAL FLOOR PLAN/ SEWER AND VENT

SHEET NUMBER

P2.0

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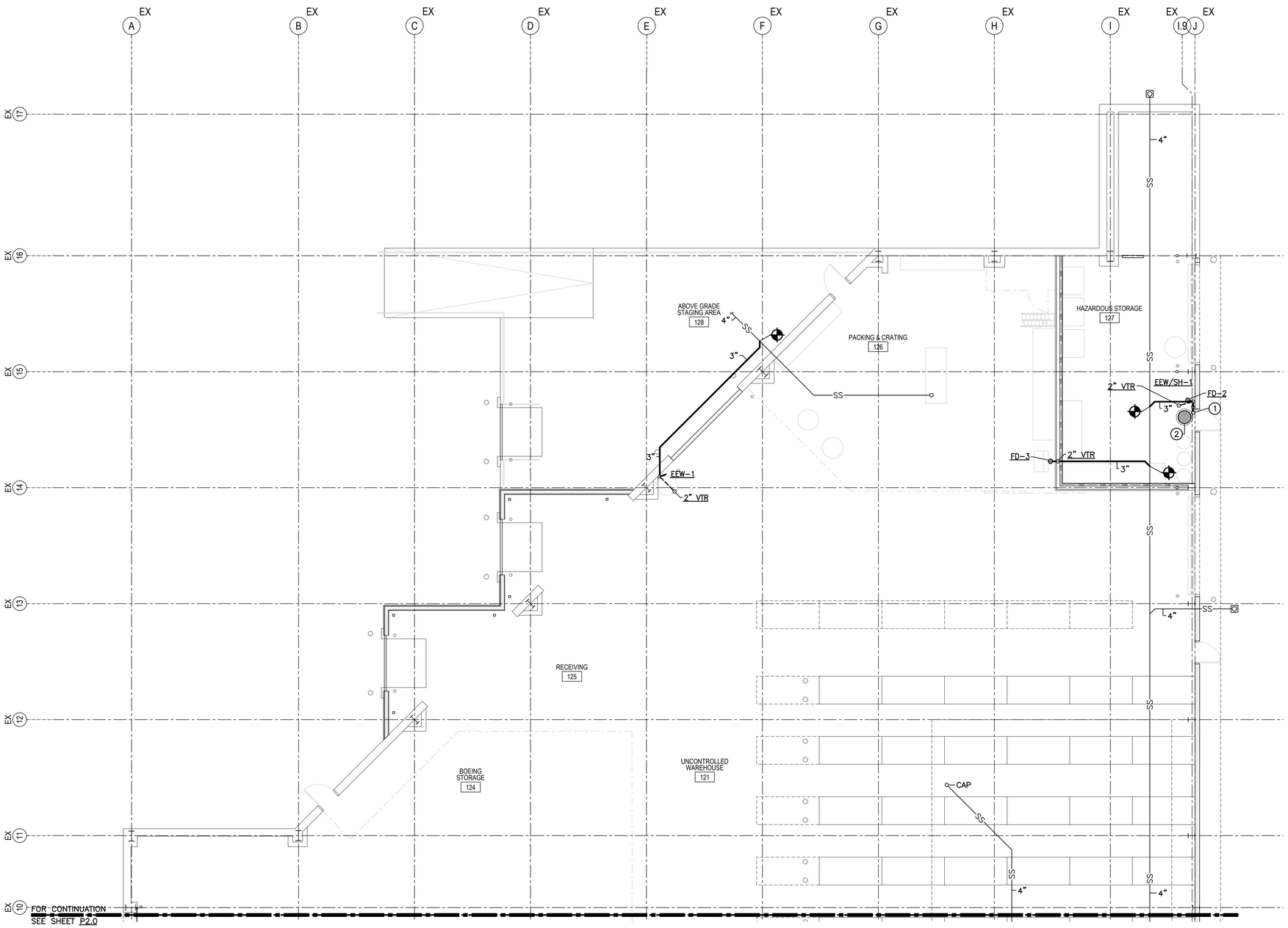


NORTH

PARTIAL FLOOR PLAN-PART B/SEWER AND VENT

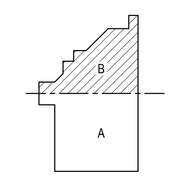
SCALE: 1/8"=1'-0"

KEYED NOTES

1. INDICATES 2" DEEP SEAL P-TRAP WITH SURE SEAL WATERLESS TRAP PRIMER ABOVE THE MEZZANINE FLOOR.
2. INDICATES WH-3 ON MEZZANINE FLOOR. PIPE DRAINS TO THE 2" DEEP SEAL P-TRAP AS REQUIRED. SEE DETAIL.

GENERAL NOTES

1. THIS CONTRACTOR SHALL COORDINATE SEWER INVERTS BEFORE INSTALLING PIPE.
2. ALL SANITARY SEWER PIPING SHOWN SHALL BE BELOW THE FLOOR AND SLOPED AT 1/8" PER FOOT MINIMUM UNLESS NOTED OTHERWISE.
3. ALL VENT PIPING SHALL BE ABOVE THE CEILING UNLESS NOTED OTHERWISE.
4. THIS CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATIONS AND SIZES OF ALL EXISTING UTILITIES BEFORE INSTALLING NEW PIPING.
5. THIS CONTRACTOR SHALL SAWCUT THE EXISTING FLOOR SLAB AS REQUIRED TO INSTALL THE NEW PIPING. THE GENERAL CONTRACTOR SHALL PATCH THE EXISTING FLOORS AS DIRECTED BY THE ARCHITECT.
6. THIS CONTRACTOR SHALL PROVIDE FIRE COLLARS ON ALL PVC PIPING THAT PENETRATES FIRE WALLS OR FLOORS AND FIRE CAULK AROUND ALL METAL PIPING THAT PENETRATES FIRE WALLS OR FLOORS. SEE ARCHITECTURAL PLANS FOR FIRE RATING.
7. ALL CONDENSATE PIPING SHOWN SHALL BE SLOPED AT 1/8" PER FOOT MINIMUM.



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SEAL:

SCOTT CORLEY WOODS
REGISTERED PROFESSIONAL ENGINEER
12284
STATE OF MISSISSIPPI

DRAWN BY: JOL	SCALE: NA
DESIGNED BY: JOL	DATE: OCTOBER 1, 2023
CHECKED BY: SCW	PROJECT: LRXQ172402

DRAWING TITLE

PARTIAL FLOOR PLAN/ SEWER AND VENT

SHEET NUMBER

P2.1

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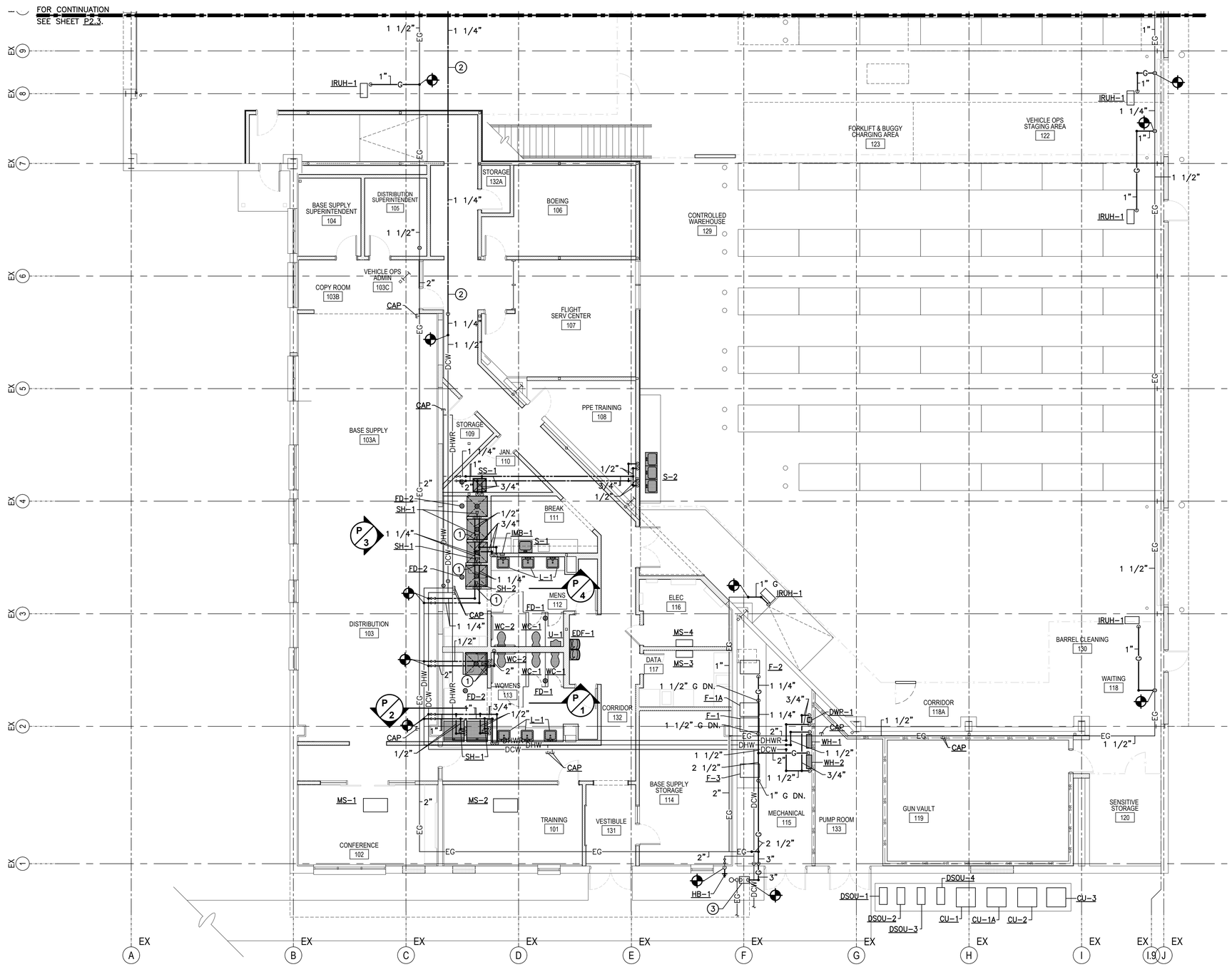


PARTIAL FLOOR PLAN-PART A/DOMESTIC WATER AND GAS

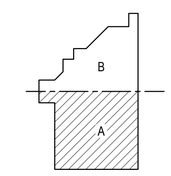
SCALE: 1/8"=1'-0"

KEYED NOTES

1. INDICATES 1/2" DOMESTIC COLD WATER AND 1/2" DOMESTIC HOT WATER DOWN.
2. RUN PIPING AT BOTTOM OF ROOF TRUSSES.
3. CONTRACTOR SHALL HAVE THE LOCAL GAS COMPANY RE-SIZE THE EXISTING GAS METER AND REGULATOR FOR 1,560.0 cfh AND 4 ounces DISCHARGE PRESSURE. ALL COSTS SHALL BE PAID BY THIS CONTRACTOR.

GENERAL NOTES

1. ALL DOMESTIC WATER PIPING SHOWN SHALL BE ABOVE THE CEILING UNLESS NOTED OTHERWISE.
2. CONTRACTOR SHALL PROVIDE A PDI-A ABOVE CEILING ON EACH DOMESTIC WATER LINE SERVING A SINGLE FIXTURE.
3. CONTRACTOR SHALL PROVIDE A GAS COCK, UNION, AND 6" DIRT LEG AT EACH GAS CONNECTION TO EQUIPMENT.
4. ALL GAS PIPING SHOWN SHALL BE ABOVE THE CEILING UNLESS NOTED OTHERWISE.
5. THIS CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATIONS AND SIZES OF ALL EXISTING UTILITIES BEFORE INSTALLING NEW PIPING.
6. THIS CONTRACTOR SHALL PROVIDE FIRE COLLARS ON ALL PVC PIPING THAT PENETRATES FIRE WALLS OR FLOORS AND FIRE CAULK AROUND ALL METAL PIPING THAT PENETRATES FIRE WALLS OR FLOORS. SEE ARCHITECTURAL PLANS FOR FIRE RATING.



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SEAL:

SCOTT CORLEY WOODS REGISTERED PROFESSIONAL ENGINEER 12766 STATE OF MISSISSIPPI

DRAWN BY: JOL	SCALE: NA
DESIGNED BY: JOL	DATE: OCTOBER 1, 2023
CHECKED BY: SCW	PROJECT: LRXQ172402

DRAWING TITLE

PARTIAL FLOOR PLAN/ DOMESTIC WATER AND GAS

SHEET NUMBER

P2.2

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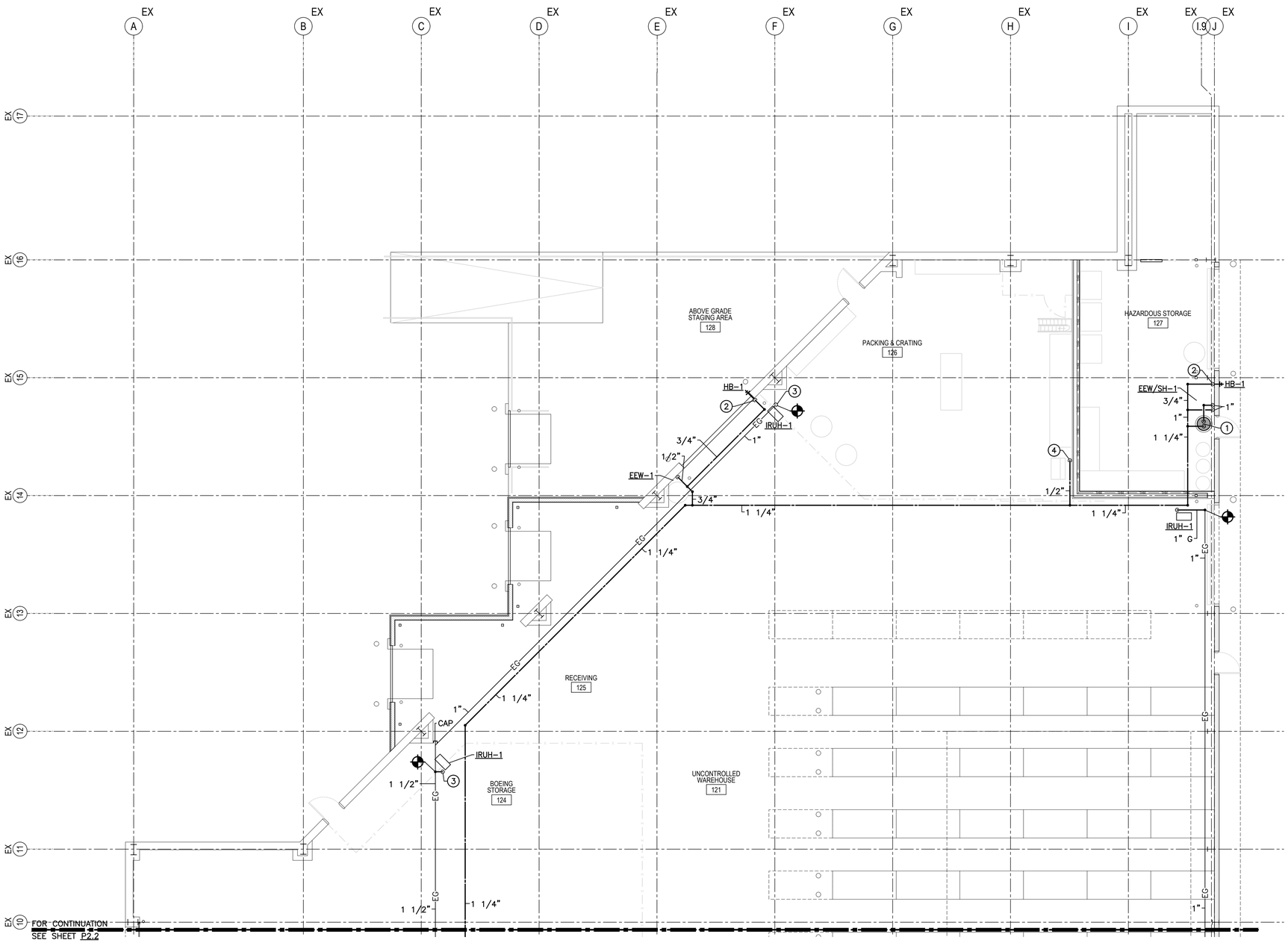


NORTH

PARTIAL FLOOR PLAN-PART B/DOMESTIC WATER AND GAS

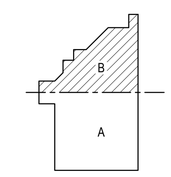
SCALE: 1/8"=1'-0"

KEYED NOTES NOTES

1. INDICATES 1" DOMESTIC COLD WATER LINE AND 1" DOMESTIC HOT WATER LINE DOWN TO WH-3 ON MEZZANINE FLOOR. SEE DETAIL.
2. INDICATES BALL VALVE MOUNTED AT 8'-0" ABOVE THE FINISHED FLOOR IN THE DROP.
3. INDICATES 1" GAS LINE DOWN TO THE UNIT HEATER.
4. INDICATES 1/2" DOMESTIC COLD WATER LINE DOWN TO ICE MACHINE. PROVIDE BALL VALVE AT 3'-0" ABOVE THE FINISHED FLOOR AND MAKE FINAL CONNECTION TO THE ICE MACHINE WITH FLEXIBLE CONNECTOR AS REQUIRED.

GENERAL NOTES

1. ALL DOMESTIC WATER PIPING SHOWN SHALL BE RUN TIGHT TO THE ROOF TRUSSES UNLESS NOTED OTHERWISE.
2. CONTRACTOR SHALL PROVIDE A PDI-A ABOVE CEILING ON EACH DOMESTIC WATER LINE SERVING A SINGLE FIXTURE.
3. CONTRACTOR SHALL PROVIDE A GAS COCK, UNION, AND 6" DIRT LEG AT EACH GAS CONNECTION TO EQUIPMENT.
4. THIS CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATIONS AND SIZES OF ALL EXISTING UTILITIES BEFORE INSTALLING NEW PIPING.
5. THIS CONTRACTOR SHALL PROVIDE FIRE COLLARS ON ALL PVC PIPING THAT PENETRATES FIRE WALLS OR FLOORS AND FIRE CAULK AROUND ALL METAL PIPING THAT PENETRATES FIRE WALLS OR FLOORS. SEE ARCHITECTURAL PLANS FOR FIRE RATING.



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MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

SCOTT CORLEY WOODS REGISTERED PROFESSIONAL ENGINEER 11276 STATE OF MISSISSIPPI

DRAWN BY: JOL	SCALE: NA
DESIGNED BY: JOL	DATE: OCTOBER 1,2023
CHECKED BY: SCW	PROJECT: LRXQ172402

DRAWING TITLE

PARTIAL FLOOR PLAN/ DOMESTIC WATER AND GAS

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P2.3

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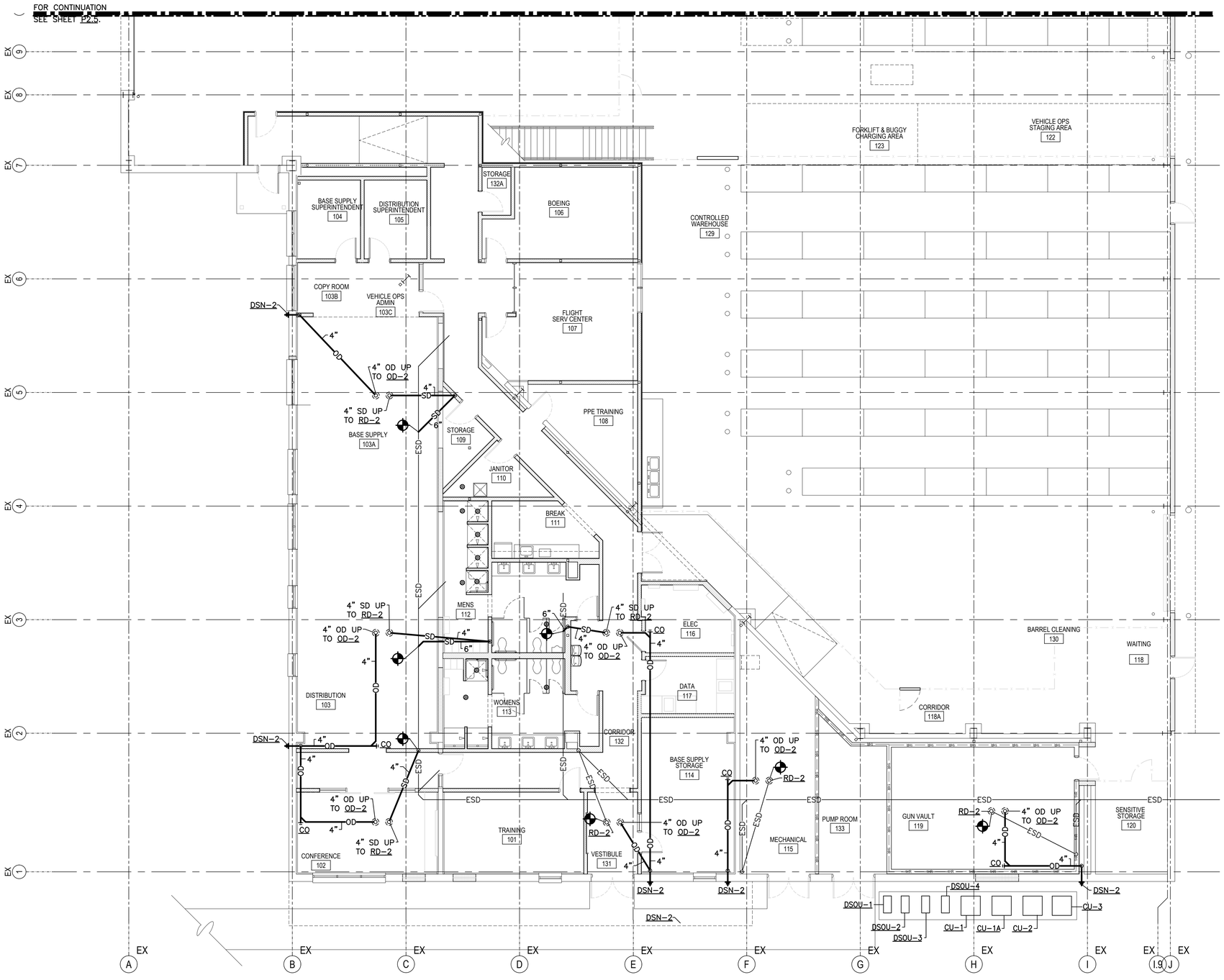


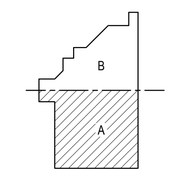
NORTH

PARTIAL FLOOR PLAN-PART A/STORM DRAIN

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

GENERAL NOTES

1. THIS CONTRACTOR SHALL COORDINATE STORM DRAIN INVERTS BEFORE INSTALLING PIPE.
2. ALL NEW 4" STORM DRAIN PIPING SHOWN SHALL BE ABOVE THE CEILING AND SLOPED AT 1/4" PER FOOT MINIMUM UNLESS NOTED OTHERWISE.
3. ALL NEW 6" STORM DRAIN PIPING SHOWN SHALL BE BELOW THE FLOOR AND SLOPED AT 1/8" PER FOOT MINIMUM UNLESS NOTED NOTED OTHERWISE.
4. THIS CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATIONS AND SIZES OF ALL EXISTING STORM DRAIN PIPING BEFORE INSTALLING NEW PIPING.
5. THIS CONTRACTOR SHALL SAWCUT THE EXISTING FLOOR SLAB AS REQUIRED TO INSTALL THE NEW PIPING. THE GENERAL CONTRACTOR SHALL PATCH THE EXISTING FLOORS AS DIRECTED BY THE ARCHITECT.
6. THIS CONTRACTOR SHALL PROVIDE FIRE COLLARS ON ALL PVC PIPING THAT PENETRATES FIRE WALLS OR FLOORS AND FIRE CAULK AROUND ALL METAL PIPING THAT PENETRATES FIRE WALLS OR FLOORS. SEE ARCHITECTURAL PLANS FOR FIRE RATING.



KEY PLAN

SCWA #18-052

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DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

SCOTT C. WOODS REGISTERED PROFESSIONAL ENGINEER #12705 STATE OF MISSISSIPPI

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PARTIAL FLOOR PLAN/ STORM DRAIN

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P2.4

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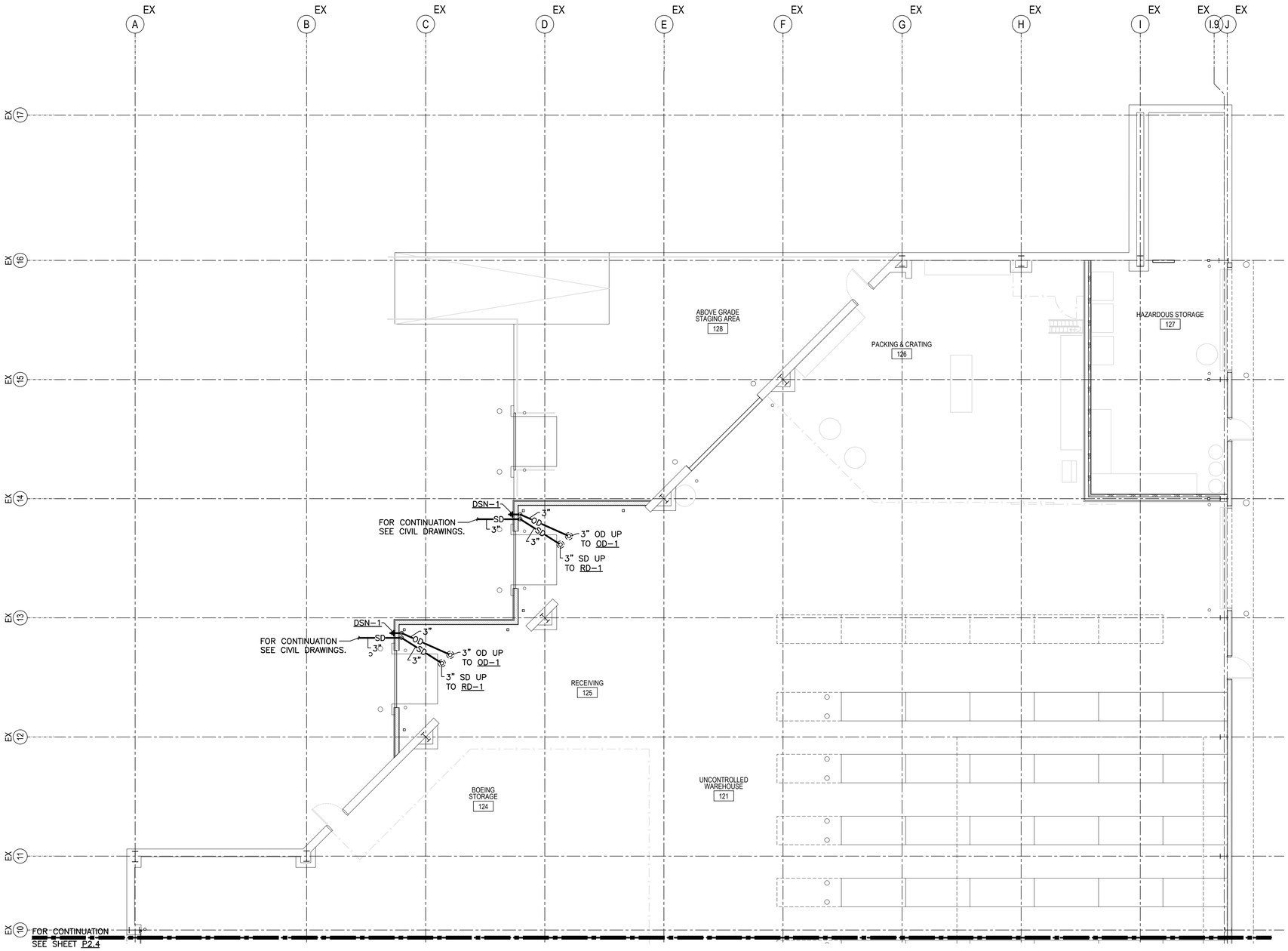


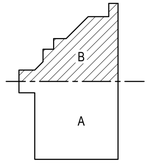
NORTH

PARTIAL FLOOR PLAN-PART B/STORM DRAIN

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

GENERAL NOTES

1. THIS CONTRACTOR SHALL COORDINATE STORM DRAIN PIPING INVERTS WITH CIVIL CONTRACTOR BEFORE INSTALLING PIPE.
2. ALL STORM DRAIN PIPING SHOWN SHALL BE RUN AS HIGH AS POSSIBLE AND SLOPED AT 1/8" PER FOOT MINIMUM UNLESS NOTED OTHERWISE.



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DRAWING TITLE

PARTIAL FLOOR PLAN/ STORM DRAIN

SHEET NUMBER

P2.5

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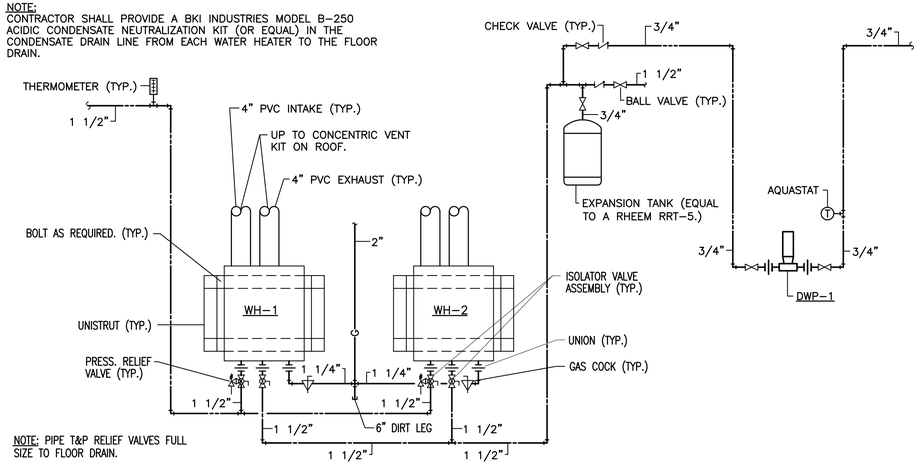
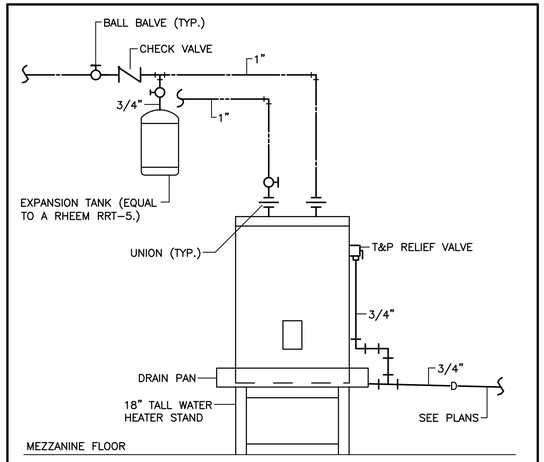
NOTE:
CONTRACTOR SHALL PROVIDE A BKI INDUSTRIES MODEL B-250 ACIDIC CONDENSATE NEUTRALIZATION KIT (OR EQUAL) IN THE CONDENSATE DRAIN LINE FROM EACH WATER HEATER TO THE FLOOR DRAIN.

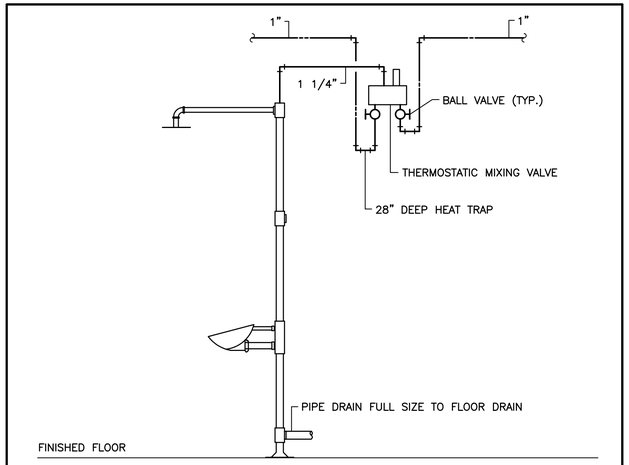


NOTE: PIPE T&P RELIEF VALVES FULL SIZE TO FLOOR DRAIN.

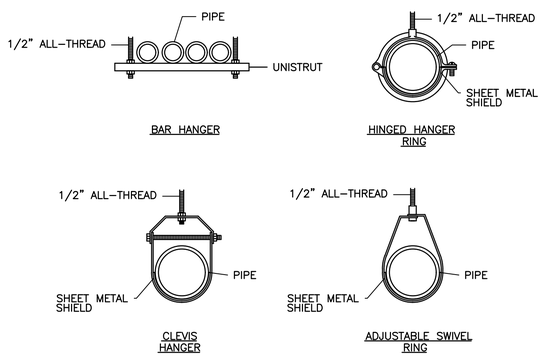
TANKLESS WATER HEATER DETAIL
NO SCALE



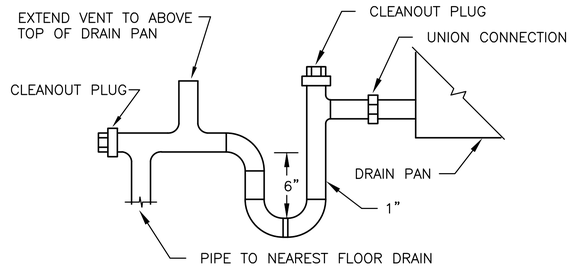
WATER HEATER (WH-3) DETAIL
NO SCALE



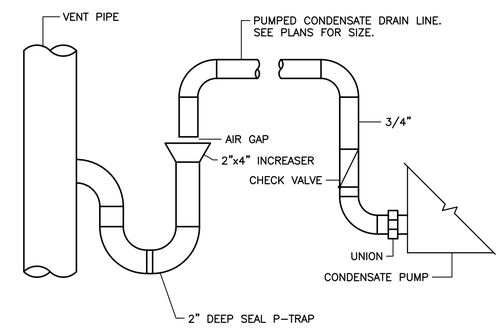
EMERGENCY EYE WASH/SHOWER
NO SCALE



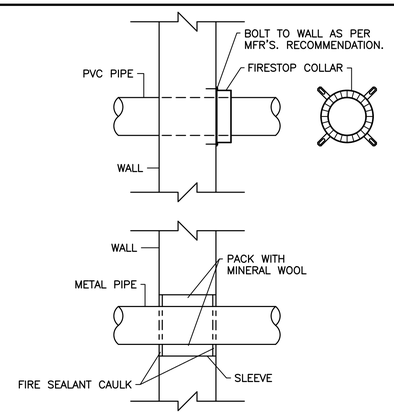
PIPE HANGER DETAIL
NO SCALE



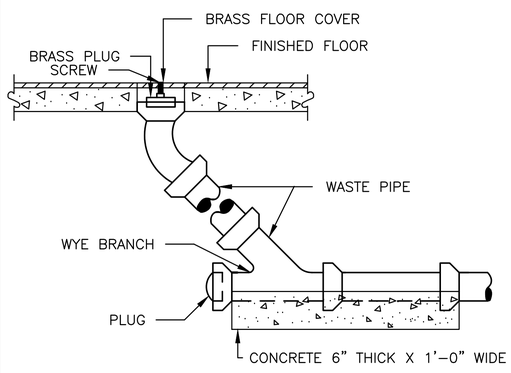
CONDENSATE DRAIN TRAP DETAIL
NO SCALE



CONDENSATE DRAIN TRAP DETAIL
NO SCALE



PIPE FIRESTOP DETAIL
NO SCALE



FLUSH FLOOR CLEANOUT
NO SCALE

SCWA #18-052

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DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

SCOTT CORLEY WOODS
REGISTERED PROFESSIONAL ENGINEER
12262
STATE OF MISSISSIPPI

DRAWN BY: JOL	SCALE: NA
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PLUMBING DETAILS

SHEET NUMBER

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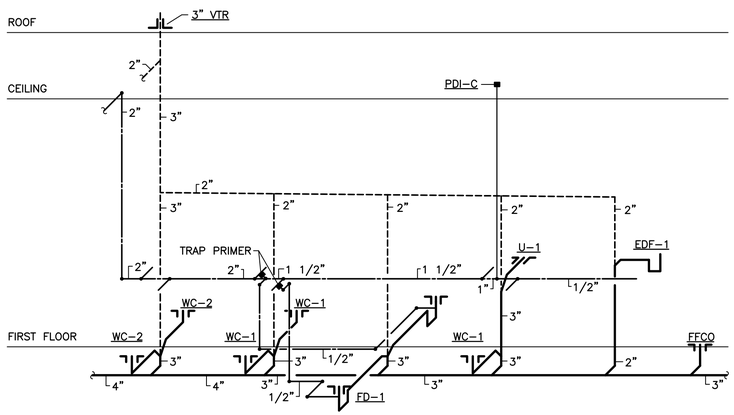
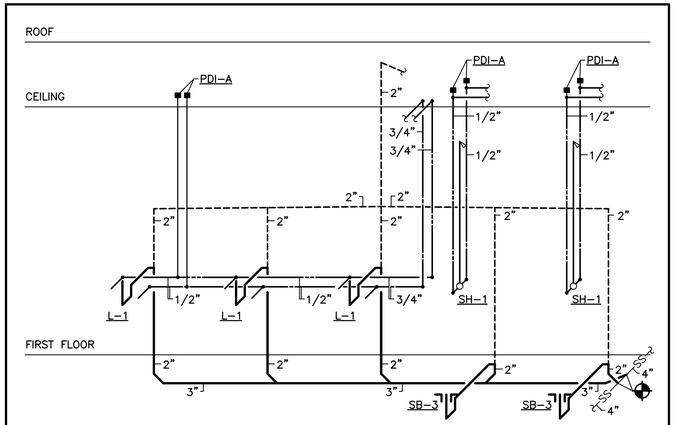
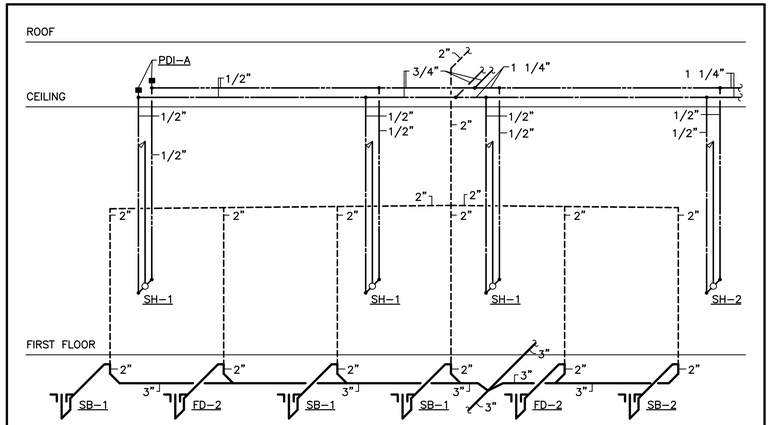


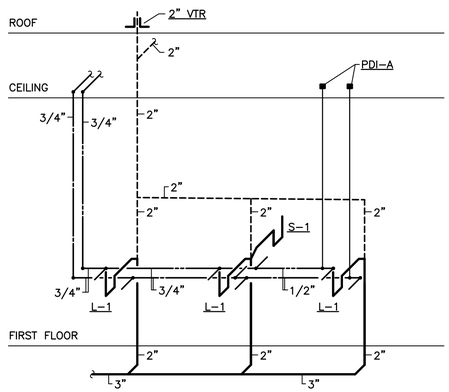
P/1 **PLUMBING RISER**
NO SCALE



P/2 **PLUMBING RISER**
NO SCALE



P/3 **PLUMBING RISER**
NO SCALE



P/4 **PLUMBING RISER**
NO SCALE

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SCOTT CORLEY WOODS
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12764
STATE OF MISSISSIPPI

DRAWN BY: JOL	SCALE: NA
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PLUMBING RISERS

SHEET NUMBER

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WATER HEATERS

MARK	FUEL	STORAGE GALLONS	RECOVERY GPH @ 90° RISE	INPUT M.B.H.	ELEC. DATA SERVICE	ELEC. DATA BLOWER H.P.	ELEC. DATA K.W.	FLUE	MFR. AND MODEL	REMARKS
WH-1	GAS	---	6.4@60° RISE	199.0	120v,1ph	---	---	*	RHEEM RTGH-95DVLN-2	WITH CONCENTRIC VENT KIT
WH-2	GAS	---	6.4@60° RISE	199.0	120v,1ph	---	---	*	RHEEM RTGH-95DVLN-2	WITH CONCENTRIC VENT KIT
WH-3	30	---	18.0	---	208v,1ph	---	(2)@4.5	---	RHEEM ELDS30	NON-SIMULTANEOUS ELEMENTS

* 2" SCHEDULE 40 PVC INTAKE AND 2" SCHEDULE 40 EXHAUST.

DOMESTIC WATER PUMPS

MARK	TYPE	G.P.M.	HEAD FT. W.G.	R.P.M.	ELEC. DATA SERVICE	ELEC. DATA HP.	MAX. NPSHR FT. W.G.	MFR. AND MODEL	REMARKS
DWP-1	CIRCULATOR	1	20'	2650	120v,1ph	1/12	---	B&G SERIES PL-30	

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MAKE	MODEL	SUPPLY FITTING	SUPPLY PIPE(S)	DRAIN	TRAP	ROUGH-IN SIZES C.W.	H.W.	WASTE	VENT	TRAP	REMARKS
WC-1	WATER CLOSET, FLOOR MOUNTED, FLUSH VALVE, W/TRAP PRIMER	KOHLER	K-96053	ZURN Z-6000AV-HET-TP	---	---	---	1"	---	4"	2" or 4"	INT.	W/ BEMIS 1055SSC WHITE SEAT, W/ BOLT CAPS. PROVIDE TRAP PRIMER WHERE SHOWN ON PLANS.
WC-2	WATER CLOSET, FLOOR MOUNTED, FLUSH VALVE, A.D.A., W/TRAP PRIMER	KOHLER	K-96057	ZURN Z-6000AV-HET-TP	---	---	---	1"	---	4"	2" or 4"	INT.	W/ BEMIS 1055SSC WHITE SEAT, W/ BOLT CAPS. MODIFY FLUSH VALVE AS REQUIRED FOR HANDRAIL. PROVIDE TRAP PRIMER WHERE SHOWN ON PLANS.
U-1	URINAL, WALL HUNG FLUSH VALVE, A.D.A.	KOHLER	K-4991-ET	ZURN Z-6003AV-ULF	---	---	---	3/4"	---	2"	2"	INT.	W/ ZURN FIXTURE SUPPORT.
L-1	LAVATORY, OVAL COUNTER MOUNTED, A.D.A.	KOHLER	K-2196-4	DELTA 22C151	ZURN ZH8824LR	ZURN Z-8746	ZURN Z8710BN	1/2"	1/2"	2"	2"	1 1/4"	COORDINATE ROUGH-IN WITH DRAIN ASSEMBLY. INSULATE DRAIN, P-TRAP AND SUPPLY PIPES WITH TRAP WRAP C500-RHS.
S-1	SINK, STAINLESS STEEL, SINGLE COMPARTMENT 25"x22"x7 1/2"	ELKAY	PSR2522	DELTA 26C3954	ZURN ZH8824LR	ELKAY LK-35	ZURN Z8702BN	1/2"	1/2"	2"	2"	1 1/2"	
S-2	SINK, STAINLESS STEEL, TRIPLE COMPARTMENT 63"x22"x10 1/8"	ELKAY	LTR632210	DELTA 300-DST	ZURN ZH8824LR	ELKAY LK-35	ZURN Z8702BN	1/2"	1/2"	2"	2"	1 1/2"	TWO FAUCETS REQUIRED.
SF-1	SHOWER FITTINGS	DELTA	DELTA T13H133 R10000UNWS	---	---	---	---	1/2"	1/2"	---	---	---	WITH 1.5 gpm SHOWER HEAD.
SF-2	SHOWER FITTINGS, A.D.A.	DELTA	DELTA T13H153 R10000UNWS	---	---	---	---	1/2"	1/2"	---	---	---	WITH 1.5 gpm SHOWER HEAD, MOUNTING BAR, METAL HOSE AND VACUUM BREAKER.
SB-1	36"x36" SHOWER BASE W/ TILE FLANGE	AMERICH	A3636ST	---	---	---	---	---	---	2"	2"	2"	
SB-2	39"x39" SHOWER BASE, ADA, W/ TILE FLANGE	AMERICH	A3939BF	---	---	---	---	---	---	2"	2"	2"	
SB-3	36"x36" SHOWER BASE W/ TILE FLANGE	AMERICH	C3636ST	---	---	---	---	---	---	2"	2"	2"	
IMB-1	ICE MAKER BOX	OATEY	38681	---	---	---	---	1/2"	---	---	---	---	MOUNT BOTTOM AT 12" ABOVE THE FINISHED FLOOR.
EDF-1	ELECTRIC DRINKING FOUNTAIN, TWO LEVEL, W/ BOTTLE FILLER, A.D.A.	MURDOCK	A172108F-BF12	---	ZURN ZH8824LR	---	ZURN Z87019BN	1/2"	---	2"	2"	1 1/2"	WITH WADE FIXTURE SUPPORT. BASE RATE 8.0 GPH. MOUNT AT A.D.A. HEIGHT.
EEW/SH-1	EMERGENCY EYEWASH/SHOWER	ACORN SAFETY	S1340	---	---	---	---	1"	1"	1 1/4"	---	---	WITH ACORN SAFETY ET71-2-BVS-OTG THERMOSTATIC MIXING MIXING VALVE.
FD-1	FLOOR DRAIN POLISHED BRONZE W/ TRAP PRIMER CONNECTION	ZURN	ZB-415-B-P	---	---	---	---	---	---	3"	2"	3"	
FD-2	FLOOR DRAIN POLISHED BRONZE	ZURN	ZB-415-B	---	---	---	---	---	---	3"	2"	3"	WITH SURE SEAL WATERLESS TRAP PRIMER.
FD-3	FLOOR DRAIN W/POLISHED BRONZE EXTENDED RIM TOP	ZURN	ZB-415-I	---	---	---	---	---	---	3"	2"	3"	
FD-4	FLOOR DRAIN W/POLISHED BRONZE EXTENDED RIM TOP	ZURN	ZB-415-I	---	---	---	---	---	---	3"	---	3"	
FD-5	FLOOR DRAIN W/POLISHED BRONZE EXTENDED RIM TOP	ZURN	ZB-415-I	---	---	---	---	---	---	3"	---	3"	WITH SURE SEAL WATERLESS TRAP PRIMER.
FD-6	FLOOR DRAIN POLISHED BRONZE	ZURN	ZB-415-B	---	---	---	---	---	---	3"	---	3"	WITH SURE SEAL WATERLESS TRAP PRIMER.
RD-1	ROOF DRAIN	ZURN	Z-100-DP	---	---	---	---	---	---	3"	---	---	
RD-2	ROOF DRAIN	ZURN	Z-100-DP	---	---	---	---	---	---	4"	---	---	
OD-1	OVERFLOW DRAIN	ZURN	Z-100-DP-W2	---	---	---	---	---	---	3"	---	---	
OD-2	OVERFLOW DRAIN	ZURN	Z-100-DP-W2	---	---	---	---	---	---	4"	---	---	
DSN-1	DOWNSPOUT NOZZLE	ZURN	ZANB-199	---	---	---	---	---	---	3"	---	---	
DSN-2	DOWNSPOUT NOZZLE	ZURN	ZANB-199	---	---	---	---	---	---	4"	---	---	

STANDARD PLUMBING LEGEND

CONNECTION TO EXISTING SERVICES	
EXISTING DOMESTIC COLD WATER	DCW
EXISTING DOMESTIC HOT WATER	DHW
EXISTING DOMESTIC HOT WATER RETURN	DHWR
EXISTING SANITARY SEWER PIPING	SS
EXISTING VENT PIPING	EV
EXISTING STORM DRAIN	ESD
EXISTING GAS PIPING	EG
DOMESTIC COLD WATER DEMOLITION	DCW
DOMESTIC HOT WATER DEMOLITION	DHW
DOMESTIC HOT WATER RETURN DEMOLITION	DHWR
SANITARY SEWER PIPING DEMOLITION	SS
VENT PIPING DEMOLITION	EVD
STORM DRAIN DEMOLITION	ESD
GAS PIPING DEMOLITION	EG
DOMESTIC COLD WATER	
DOMESTIC 110° HOT WATER	
DOMESTIC 110° HOT WATER RETURN	
SANITARY SEWER PIPING	
VENT PIPING	
STORM DRAIN	SD
OVERFLOW DRAIN	OD
GAS PIPING	G
CONDENSATE DRAIN LINE	D
PUMPED CONDENSATE DRAIN LINE	PD
BALL VALVE	
CHECK VALVE	
UNION	
GAS COCK	
WATER HAMMER ARRESTOR	P.D.I.
VENT THROUGH ROOF	VTR
FINISH FLOOR CLEANOUT	FFCO

SCWA #18-052

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NO.	REMARKS	DATE

SEAL:

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DRAWN BY: JOL	SCALE: NA
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DRAWING TITLE

PLUMBING SCHEDULES

SHEET NUMBER

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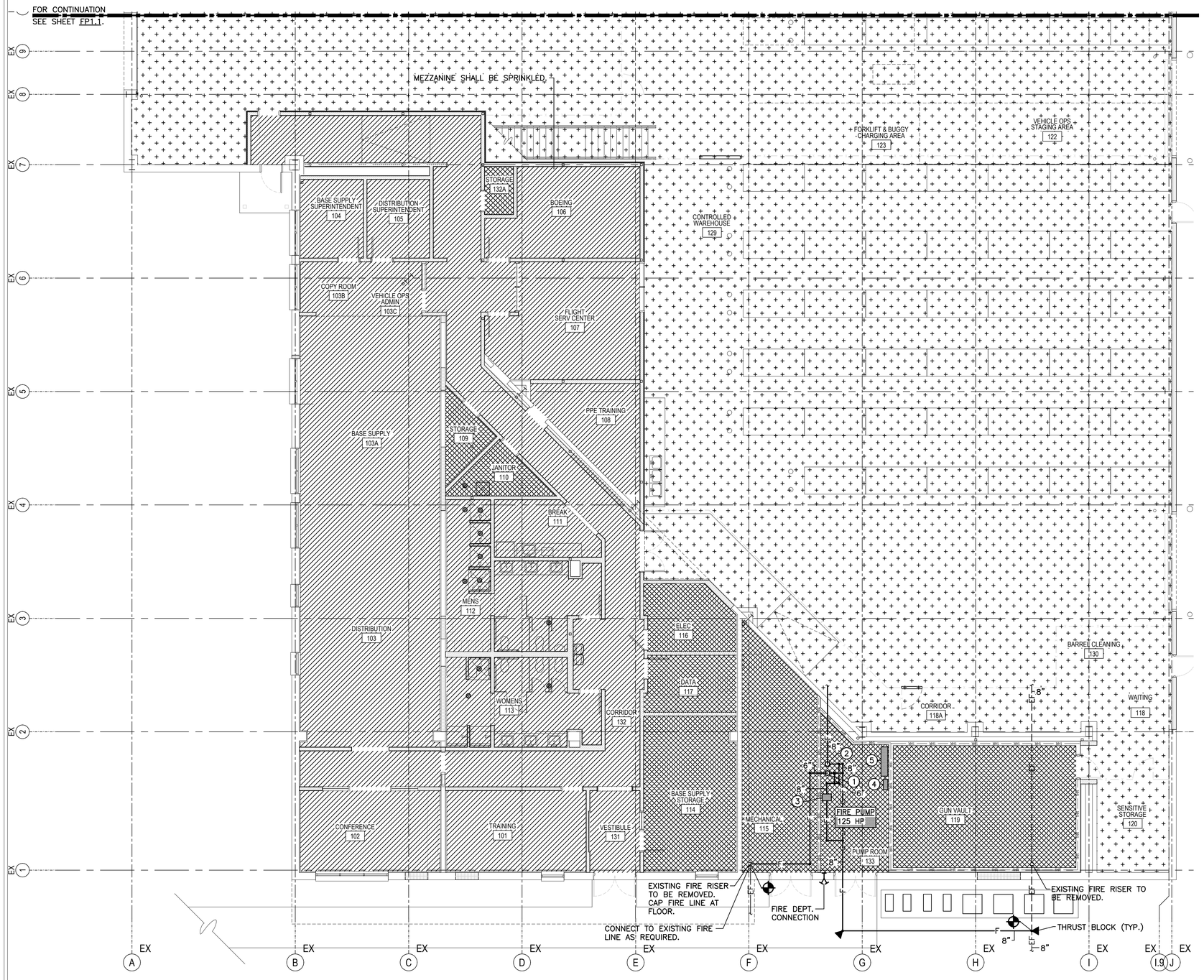


PARTIAL FLOOR PLAN-PART A/ FIRE PROTECTION

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

FIRE SPRINKLER CLASSIFICATION (ESFR)

CODE – NFPA 13 (2019) AND UFC 3–600–01.

OPEN RACK STORAGE UP TO 40'–0" IN HEIGHT.

MAXIMUM 1,000 sqft. OF TIRE STORAGE.

NFPA 13 SECTION 3.3.140 AND TABLE 23.5.1.

PRESSURE AT HEAD – 40 psi.

K–FACTOR – 22.4.

REQUIRED FLOW – 1800 gpm PLUS 250 gpm HOSE STREAM.

PUMP FLOW – 2,100 gpm.

FIRE PUMP SHALL BE ELECTRIC. NO EMERGENCY POWER IS REQUIRED.

WATER TEST DATA

1. THE CONTRACTOR SHALL PERFORM A NEW FLOW TEST TO VERIFY AVAILABLE PRESSURE AND FLOW.
2. CURRENT TEST RESULTS AT ADJACENT FIRE HYDRANT ARE:
   STATIC PRESSURE – 70psi
   RESIDUAL PRESSURE – 62 psi AT 1,250 gpm

FIRE PROTECTION LEGEND

LIGHT HAZARD

ORDINARY HAZARD GROUP II

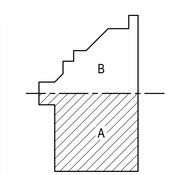
ESFR

GENERAL FIRE PROTECTION NOTES

1. ALL SYSTEMS AND EQUIPMENT SHALL STRICTLY COMPLY WITH NFPA 13 AND UFC REQUIREMENTS.
2. CALCULATIONS AND SHOP DRAWINGS SHALL BE SUBMITTED TO ENGINEER AND ARCHITECT FOR APPROVAL BEFORE INSTALLING FIRE PROTECTION SYSTEM.
3. ALL FIRE PROTECTION WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICTS.
4. SPRINKLER HEADS SHALL BE INSTALLED IN CENTER OF CEILING TILES WHERE POSSIBLE.
5. SPRINKLER HEADS SHALL BE SEMI–RECESSED TYPE IN SPACES WITH CEILINGS. SPACES WITHOUT CEILINGS SHALL HAVE UPRIGHT HEADS.
6. CONTRACTOR SHALL VISIT SITE PRIOR TO BID DATE AND FIELD VERIFY EXACT LOCATION OF THE EXISTING FIRE MAIN.
7. CONTRACTOR SHALL PROVIDE OFFSETS OR MOVE ANY EXISTING SPRINKLER PIPE (AT NO ADDITIONAL COST TO THE OWNER) WHICH CONFLICTS WITH THE INSTALLATION OF THE NEW WORK THAT IS REQUIRED.
8. CONTRACTOR SHALL RELOCATE THE EXISTING SPRINKLER HEADS AS REQUIRED FOR THE NEW FLOOR PLAN TO CONFORM TO NFPA 13 AND UFC REQUIREMENTS.
9. FIRE PUMP, FLOW SWITCHES AND MONITORS SHALL COMMUNICATE WITH THE BASE FIRE ALARM SYSTEM.

KEYED NOTES

1. INDICATES NEW 6" WET RISER.
2. INDICATES NEW 8" ESFR RISER.
3. INDICATES JOCKEY PUMP.
4. INDICATES JOCKEY PUMP CONTROLLER.
5. INDICATES FIRE PUMP CONTROLLER.



KEY PLAN

SCWA #18–052

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RENOVATE BASE SUPPLY WAREHOUSE B180

MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS		
NO.	REMARKS	DATE

SEAL:

SCOTT CORLEY WOODS REGISTERED PROFESSIONAL ENGINEER #12787 STATE OF MISSISSIPPI

DRAWN BY: JOL	SCALE: NA
DESIGNED BY: JOL	DATE: OCTOBER 1, 2023
CHECKED BY: SCW	PROJECT: LRXQ172402

DRAWING TITLE

PARTIAL FLOOR PLAN/ FIRE PROTECTION

SHEET NUMBER

FP1.0

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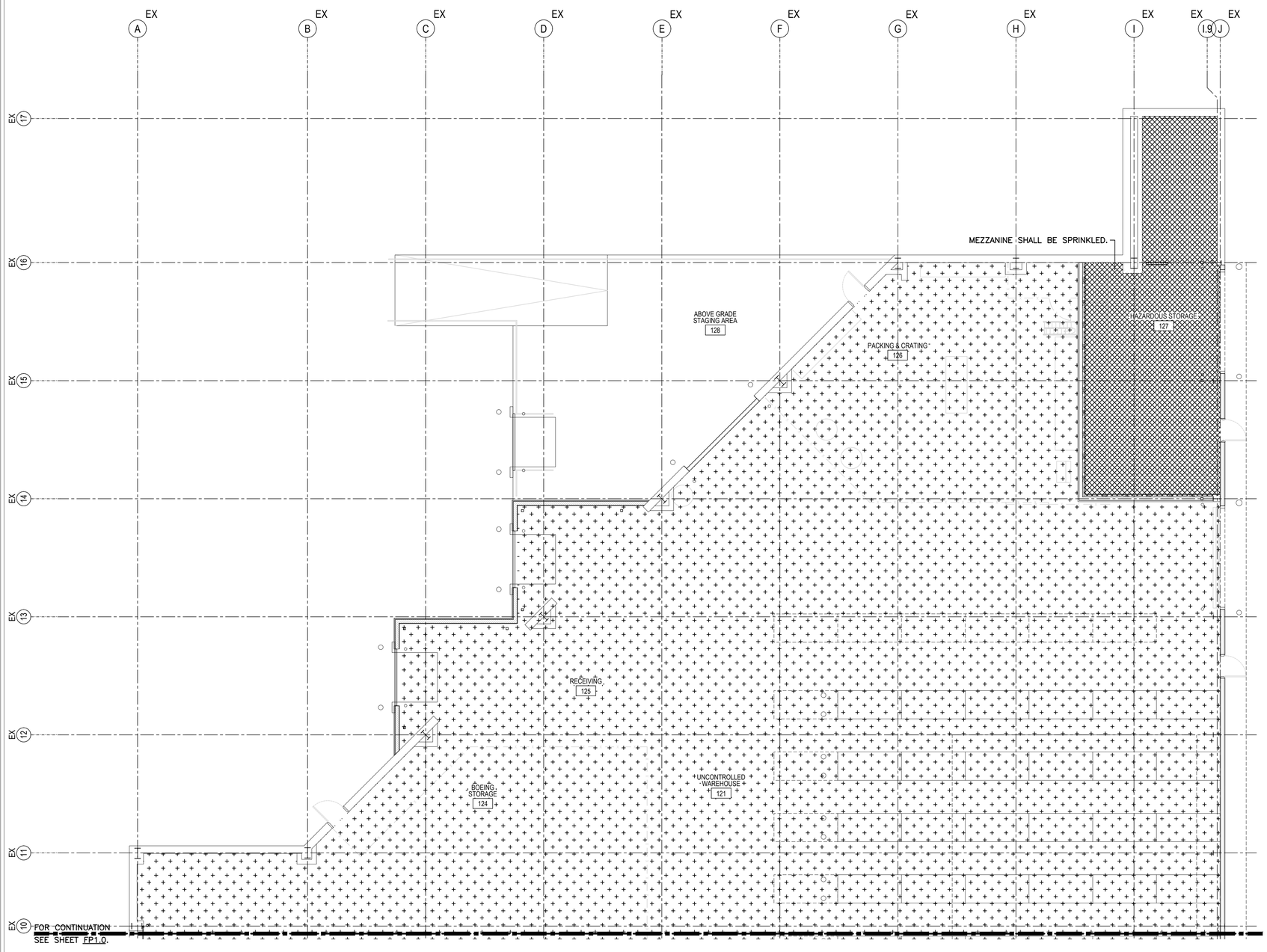


NORTH

PARTIAL FLOOR PLAN-PART B / FIRE PROTECTION

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

HAZARDOUS MATERIAL STORAGE CLASSIFICATIONS

REFERENCES:
- UFC-4-440-1
- UFC-4-440-1
- UFC-4-440-1

STORED MATERIALS:
- FLAMMABLE:
  NONE
- COMBUSTIBLE:
  ALCOHOL BASED CLEANING SOLUTIONS (LIQUID)
  PAINT
- ACIDS:
  HYDROCHLORIC ACID (LESS THAN 2 GALLONS)
  SOLVENTS (LESS THAN 5 GALLONS)
- OXIDIZERS:
  BLEACH BASED CLEANERS (LIQUID)
  NITRIC ACID BASE CLEANERS (LIQUID)
- POISONS:
  AMMONIA BASED PRODUCTS (LIQUID)

PER NFPA 400 TABLE 5.2.1.1.3:
- QUANTITIES OF STORED MATERIALS ARE BELOW THE MAXIMUM ALLOWABLE AMOUNTS BY WEIGHT AND VOLUME TO REQUIRE CHEMICAL FIR SUPPRESSION SYSTEMS.
- HAZARDOUS STORAGE MAKES UP LESS THAN 5% OF THE BUILDING FLOOR SPACE.
- ACIDS ARE STORED IN APPROVED HAZARDOUS MATERIALS STORAGE CABINETS.
- HAZARDOUS STORAGE IS VENTILATED PER NFPA 30 SECTION 9 AND 18.6.
- STORAGE HEIGHTS ARE LESS THE 12' INSIDE A RATED ENCLOSURE.
- SPACE SHALL INCLUDE A WET PIPE SPRINKLER SYSTEM CLASSIFIED AS ORDINARY HAZARD GROUP II.

FIRE SPRINKLER CLASSIFICATION (ESFR)

CODE - NFPA 13 (2019) AND UFC 3-600-01.

OPEN RACK STORAGE UP TO 40'-0" IN HEIGHT.

MAXIMUM 1,000 sqft. OF TIRE STORAGE.

NFPA 13 SECTION 3.3.140 AND TABLE 23.5.1.

PRESSURE AT HEAD - 40 psi.

K-FACTOR - 22.4.

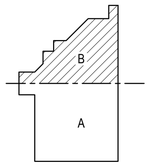
REQUIRED FLOW - 1800 gpm PLUS 250 gpm HOSE STREAM.

PUMP FLOW - 2,100 gpm.

FIRE PUMP SHALL BE ELECTRIC. NO EMERGENCY POWER IS REQUIRED.

FIRE PROTECTION LEGEND

- LIGHT HAZARD
- ORDINARY HAZARD GROUP II
- ESFR



KEY PLAN

SCWA #18-052

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PROJECT# LRXQ 172402

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SEAL:

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DESIGNED BY: JOL	DATE: OCTOBER 1, 2023
CHECKED BY: SCW	PROJECT: LRXQ172402

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PARTIAL FLOOR PLAN/ FIRE PROTECTION

SHEET NUMBER

FP1.1

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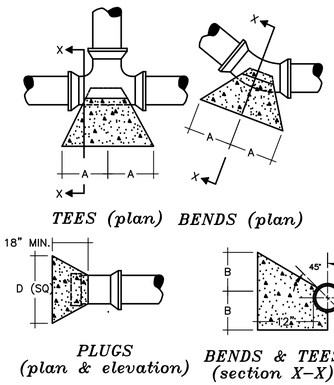
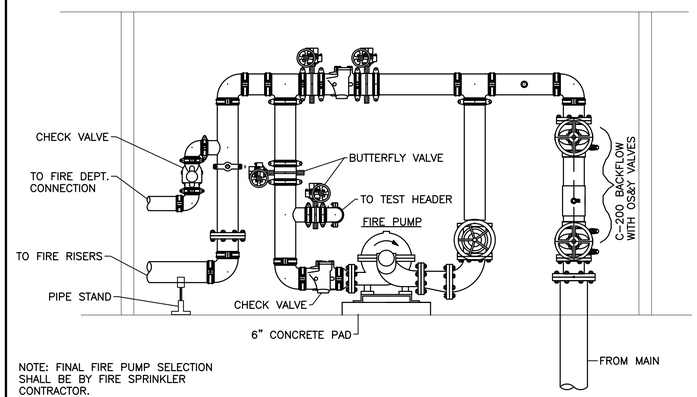


SIZE	1/4" BENDS		1/8" BENDS		1/16" BENDS		TEES		PLUGS	
	A	B	A	B	A	B	A	B	C	D
6"	16"	10"	9"	10"	6"	8"	10"	12"	10"	21"
8"	22"	13"	12"	13"	8"	10"	13"	16"	12"	29"

NOTE: BASED ON 100 p.s.i. STATIC PRESSURE PLUS A.W.W.A. WATER HAMMER. BEARING SURFACE IS TO BE CARRIED TO UNDISTURBED GROUND.

WATER MAIN THRUST BLOCK DETAIL

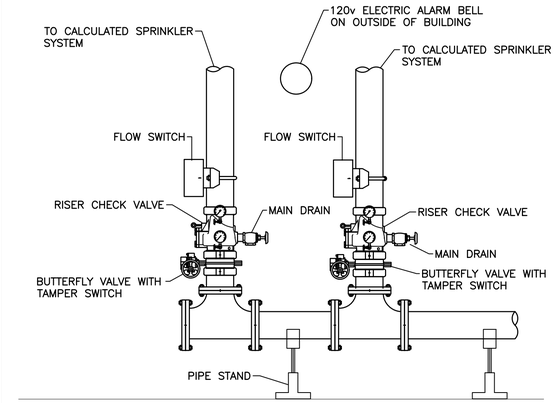
NO SCALE



NOTE: FINAL FIRE PUMP SELECTION SHALL BE BY FIRE SPRINKLER CONTRACTOR.

FIRE PUMP DETAIL (SAMPLE ONLY)

NO SCALE



FIRE RISER DETAIL

NO SCALE

SCWA #18-052

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SEAL:

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CHECKED BY: SCW	PROJECT: LRXQ172402

DRAWING TITLE

FIRE PROTECTION DETAILS

SHEET NUMBER

FP2.0

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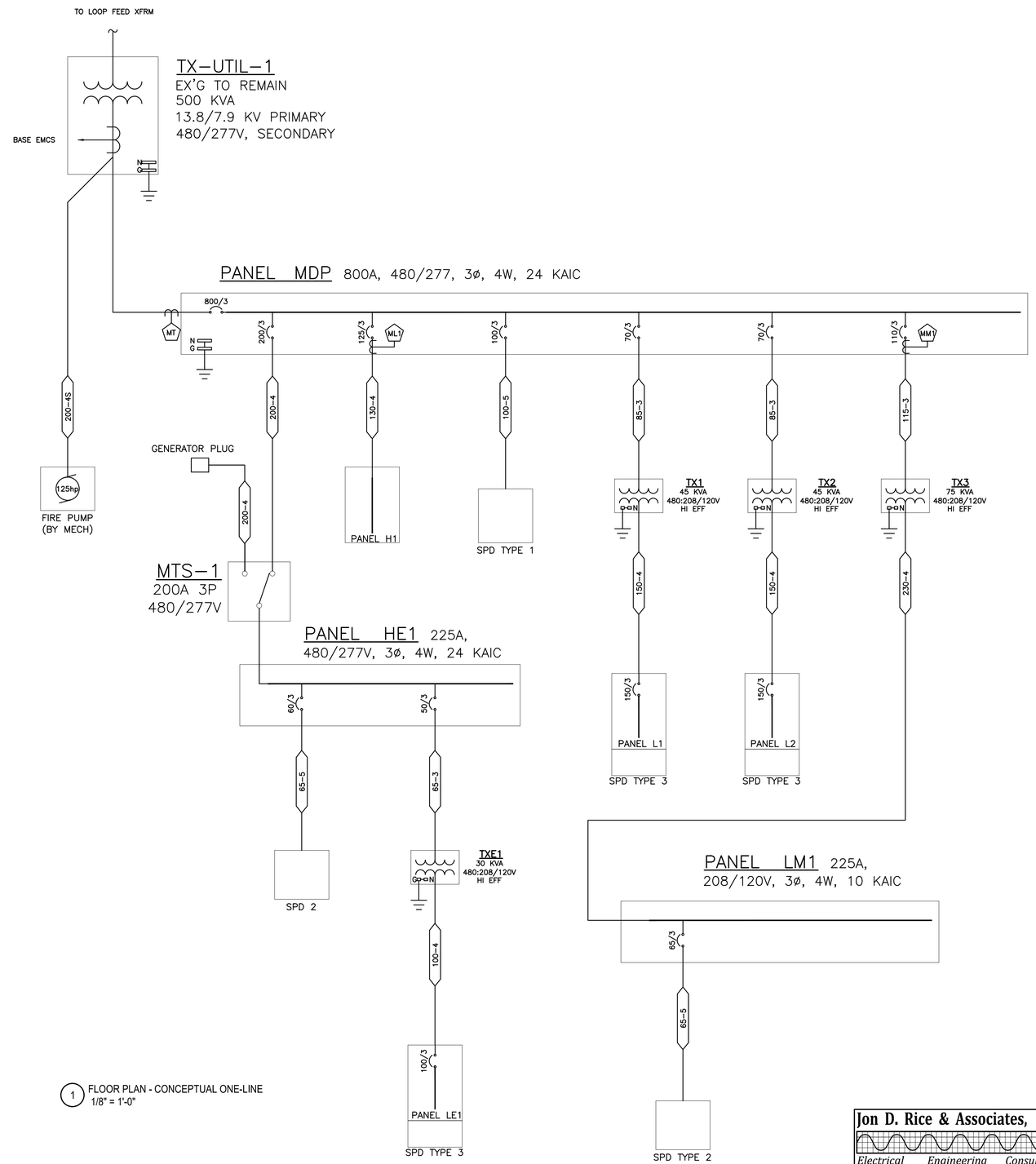
FEEDER SCHEDULE

SYMBOL	FEEDER	SYMBOL	FEEDER
20–2	3/4"C, 2–12 AWG, 12 AWG –G–	200–2	1–1/2"C, 2–3/0 AWG, 6 AWG –G–
20–3	3/4C, 3–12 AWG, 12 AWG –G–	200–3	2"C, 3–3/0 AWG, 6 AWG –G–
20–4	3/4"C, 4–12 AWG, 12 AWG –G–	200–4	2"C, 4–3/0 AWG, 6 AWG –G–
30–2	1/2"C, 2–10 AWG, 10 AWG –G–	230–2	2"C, 2–4/0 AWG, 4 AWG –G–
30–3	3/4"C, 3–10 AWG, 10 AWG –G–	230–3	2"C, 3–4/0 AWG, 4 AWG –G–
30–4	3/4"C, 4–12 AWG, 12 AWG –G–	230–4	2–1/2"C, 4–4/0 AWG, 2 AWG –G–
45–2	3/4"C, 2–8 AWG, 10 AWG –G–	255–3	2–1/2"C, 3–250 KCMIL, 4 AWG –G–
45–3	3/4"C, 3–8 AWG, 10 AWG –G–	255–4	3"C, 4–250 KCMIL, 4 AWG –G–
45–4	3/4"C, 4–8 AWG, 10 AWG –G–	310–3	3"C, 3–350 KCMIL, 3 AWG –G–
65–2	3/4"C, 2–6 AWG, 10 AWG –G–	310–4	3"C, 4–350 KCMIL, 3 AWG –G–
65–3	3/4"C, 3–6 AWG, 10 AWG –G–	380–3	3–"C, 3–500 KCMIL, 3 AWG –G–
65–4	1"C, 4–6 AWG, 10 AWG –G–	380–4	4"C, 4–500 KCMIL, 3 AWG –G–
* 65–5	1"C, 4–6 AWG, 6 AWG –G– *	500–3	(2) 2–1/2"C EA. W/ 3–250 KCMIL, 2 AWG –G–
85–2	1"C, 2–4 AWG, 8 AWG –G–	500–4	(2) 3"C EA. W/ 4–250 KCMIL, 2 AWG –G–
85–3	1"C, 3–4 AWG, 8 AWG –G–	600–3	(2) 3"C, EA. W/ 3–350 KCMIL, 1 AWG –G–
85–4	1–1/4"C, 4–4 AWG, 8 AWG –G–	600–4	(2) 3"C, EA. W/ 4–350 KCMIL, 1 AWG –G–
100–2	1"C, 2–3 AWG, 8 AWG –G–	800–3	(2) 4"C, EA. W/ 3–500 KCMIL, 1/0 AWG –G–
100–3	1"C, 3–3 AWG, 8 AWG –G–	800–4	(2) 4"C, EA. W/ 4–500 KCMIL, 1/0 AWG –G–
100–4	1–1/4"C, 4–3 AWG, 8 AWG –G–	1000–3	(3) 4"C, EA. W/ 3–500 KCMIL, 2/0 AWG –G–
* 100–5	1–1/4"C, 4–3 AWG, 3 AWG –G– *	1000–4	(2) 4"C, EA. W/ 4–500 KCMIL, 2/0 AWG –G–
115–2	1"C, 2–2 AWG, 6 AWG –G–	1200–3	(3) 4"C, EA. W/ 3–600 KCMIL, 3/0 AWG –G–
115–3	1–1/4"C, 3–2 AWG, 6 AWG –G–	1200–4	(3) 4"C, EA. W/ 4–600 KCMIL, 3/0 AWG –G–
115–4	1–1/4"C, 4–2 AWG, 6 AWG –G–	1600–3	(4) 4"C, EA. W/ 3–600 KCMIL, 4/0 AWG –G–
130–2	1–1/4"C, 2–1 AWG, 6 AWG –G–	1600–4	(4) 4"C, EA. W/ 4–600 KCMIL, 4/0 AWG –G–
130–3	1–1/2"C, 3–1 AWG, 6 AWG –G–	2000–3	(5) 4"C, EA. W/ 3–500 KCMIL, 250 KCMIL –G–
130–4	1–1/2"C, 4–1 AWG, 6 AWG –G–	2000–4	(5) 4"C, EA. W/ 4–500 KCMIL, 250 KCMIL –G–
150–2	1–1/4"C, 2–1/0 AWG, 6 AWG –G–	2500–3	(7) 4"C, EA. W/ 3–500 KCMIL, 350 KCMIL –G–
150–3	1–1/2"C, 3–1/0 AWG, 6 AWG –G–	2500–4	(7) 4"C, EA. W/ 4–500 KCMIL, 350 KCMIL –G–
150–4	2"C, 4–1/0 AWG, 6 AWG –G–	3000–3	(8) 4"C, EA. W/ 3–500 KCMIL, 500 KCMIL –G–
175–2	1–1/2"C, 2–2/0 AWG, 6 AWG –G–	3000–4	(8) 4"C, EA. W/ 4–500 KCMIL, 500 KCMIL –G–
175–3	2"C, 3–2/0 AWG, 6 AWG –G–	200–4S	2"C, 4–3/0 AWG, 4 AWG –G–
175–4	2"C, 4–2/0 AWG, 6 AWG –G–		

NOTES

1. ALL FEEDERS INDICATED ARE SHOWN FOR COPPER CONDUCTORS UNLESS SPECIFICALLY NOTED TO BE ALUMINUM.
2. ALL FEEDERS SCHEDULED ABOVE MAY NOT SHOW UP ON DRAWINGS.
3. AMPERE RATINGS OF FEEDERS SCHEDULED ABOVE DO NOT ACCOUNT FOR VOLTAGE DROP. PROVIDE FEEDER INDICATED ON DRAWINGS REGARDLESS OF RATING OF THE OVER CURRENT PROTECTION DEVICE.
4. PROVIDE RACEWAY TYPE PER SPECIFICATIONS UNLESS NOTED OTHERWISE
5. FEEDER TYPE INDICATED BY A (*) ARE TO BE USED FOR SURGE PROTECTION DEVICES ONLY. USE 5 WIRE SHIELDED CABLE PROVIDED BY MANUFACTURER.



1 FLOOR PLAN - CONCEPTUAL ONE-LINE
1/8" = 1'-0"

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DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

JON D. RICE
REGISTERED PROFESSIONAL ENGINEER
No. 14455
STATE OF MISSISSIPPI

DRAWN BY: SRA	SCALE: AS NOTED
DESIGNED BY: SRA	DATE:
CHECKED BY: JDR	PROJECT:

DRAWING TITLE

ONE-LINE DIAGRAM

Jon D. Rice & Associates, LLC
Electrical Engineering Consultants
5403 Castlewoods Court, Suite C, Flowood, MS, 39232
Tel 601-919-8040 Fax 601-919-8060 PROJ.# 18024.00

SHEET NUMBER

E0.1

ELECTRICAL LEGEND

LIGHTING

SYMBOL	DESCRIPTION
X1/X2 2/2	SINGLE FACED / DOUBLE FACED EXIT SIGN, UNIVERSAL MOUNT, ARROWS INDICATED DIRECTION.
A 1	RECESSED LED FIXTURE WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
B 2	LED STRIP WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
D 3	CEILING OUTLET WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
4	LED FIXTURE WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
F 5	LED WALL BRACKET OUTLET WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
6	LED WALL BRACKET OUTLET WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
A 1	SOLID CIRCLE ON ANY LIGHT FIXTURE SYMBOL INDICATES EMERGENCY GENERATOR CIRCUIT. UNSWITCHED UNLESS SHOWN OTHERWISE.
X2 1	EMERGENCY FIXTURE WITH BATTERY PACK AND CIRCUIT NUMBER.

SWITCHES/OCCUPANCY SENSOR EQUIPMENT (SEE LEGEND NOTE #1)

SYMBOL	DESCRIPTION
$	SWITCH SINGLE POLE FLUSH TUMBLER. MOUNT CENTER LINE UP 42", UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
$3	SWITCH, THREE-WAY TUMBLER, MOUNT CENTER LINE UP 42", UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
$4	SWITCH, FOUR-WAY FLUSH TUMBLER. MOUNT CENTER LINE UP 42", UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.,
R$L	MOTORIZED PROJECTOR SCREEN RAISE/LOWER SWITCH. MOUNT CENTERLINE UP 42".
OS1	PASSIVE INFRARED (PIR) CORNER MOUNTED OCCUPANCY SENSOR, LOW VOLTAGE EXTENDED RANGE. NLIGHT CAT. NO. NWV16 OR EQUAL. LOCATE AT CEILING.
OS2	PASSIVE INFRARED (PIR) CEILING MOUNTED OCCUPANCY SENSOR, LOW VOLTAGE STANDARD RANGE. NLIGHT CAT. NO. NCM-9 OR EQUAL.
OS3	DUAL TECHNOLOGY (PDT) CEILING MOUNTED OCCUPANCY SENSOR, LOW VOLTAGE EXTENDED RANGE. NLIGHT CAT. NO. NCM-PDT-10 OR EQUAL.
OS4	DUAL TECHNOLOGY (PDT) CEILING MOUNTED OCCUPANCY SENSOR, LOW VOLTAGE STANDARD RANGE. NLIGHT CAT. NO. NCM-PDT-9 OR EQUAL.
$OS	LINE VOLTAGE VACANCY SENSOR SWITCH, MOUNT CENTERLINE UP 42" A.F.F. UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS. SENSOR SWITCH CAT. NO. WSX-VA-WH OR EQUAL.
$L1	LOW VOLTAGE SINGLE CHANNEL WALL TOGGLE SWITCH, NLIGHT CAT. NO. NPODM OR EQUAL. MOUNT CENTERLINE UP 42" A.F.F. UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
$L1D	LOW VOLTAGE SINGLE CHANNEL WALL TOGGLE SWITCH WITH DIMMING, NLIGHT CAT. NO. NPODM-DX OR EQUAL. MOUNT CENTERLINE UP 42" A.F.F. UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
PP	POWER/RELAY PACK, 16 AMP 120/277 VOLT, MOUNT ABOVE ACCESSIBLE CEILING. NLIGHT NPP16 OR EQUAL.
PP D	POWER/RELAY PACK WITH 0-10 VOLT DIMMING, 16 AMP 120/277 VOLT, MOUNT ABOVE ACCESSIBLE CEILING. NLIGHT NPP16-D OR EQUAL. PROVIDE LOW VOLTAGE WIRING BETWEEN 120V. LIGHT FIXTURES AND WALL SWITCH FOR DIMMING.
	CAT 6 WIRING BETWEEN OCCUPANCY SENSOR EQUIPMENT CONCEALED ABOVE CEILING. TEST ALL CABLES WITH LAN CABLE TESTER TO VERIFY PROPER TERMINATIONS PRIOR TO ROUGH-IN.
ET	EXISTING ELECTRONIC TIMER TO REMAIN. TO BE RELOCATED ADJACENT TO NEW PANEL "HA". SEE SHEET E1.1 FOR ADDITIONAL INFORMATION.

LEGEND NOTES

1. COORDINATE ALL SWITCH, RECEPTACLE, ASSOCIATED DEVICES AND COVER PLATE COLOR SELECTIONS WITH ARCHITECT AND GOVERNMENT.

ELECTRICAL LEGEND

POWER DISTRIBUTION

SYMBOL	DESCRIPTION
LA-1	HOME RUN (CONDUIT AND WIRING), PANEL AND CIRCUIT DESIGNATION, NUMBER OF CONDUCTORS. GROUNDING CONDUCTOR ARE NOT INDICATED BY MARKS, BUT ARE REQUIRED AND SIZED PER BRANCH CIRCUIT UNLESS OTHERWISE NOTED. WIRING LARGER THAN #12 AWG SHALL BE NOTED.
	BRANCH CIRCUIT (CONDUIT AND WIRING), PANEL AND CIRCUIT DESIGNATION, NUMBER OF CONDUCTORS. GROUNDING CONDUCTORS ARE NOT INDICATED BY MARKS, BUT ARE REQUIRED AND SIZED PER BRANCH CIRCUIT UNLESS OTHERWISE NOTED. IF NO BRANCH CIRCUIT CONDUIT AND WIRING IS SHOWN (RECEPTACLE CIRCUITS) IT IS ASSUMED THAT A PHASE, NEUTRAL AND GROUND CONDUCTOR IS REQUIRED. WIRING LARGER THAN #12 THWN SHALL BE NOTED.
	RACEWAY INSTALLED CONCEALED ABOVE CEILING OR IN WALL.
	RACEWAY INSTALLED EXPOSED (ON CEILING ONLY).
	UNDERGROUND ELECTRICAL CIRCUIT.
	BRANCH CIRCUIT (CONDUIT AND WIRING) IN FLEXIBLE METAL CONDUIT, NUMBER OF CONDUCTORS. (6'-0" MAXIMUM LENGTH).
	GROUND PER NEC ARTICLE 250.
	CONDUIT UP / CONDUIT DOWN.
	DISTRIBUTION / POWER PANEL, SURFACE MOUNTED.
	ELECTRICAL PANEL, 250 VOLT SYSTEM, SURFACE / FLUSH MOUNT.
	ELECTRICAL PANEL, 480 VOLT SYSTEM, SURFACE / FLUSH MOUNT.
EMS	ENERGY MANAGEMENT SYSTEM CONTROL PANEL. FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. ELECTRICAL CONNECTIONS BY ELECTRICAL CONTRACTOR.
	METER SOCKET. – SEE RISER / ONE LINE.
PB	ELECTRICAL PULL BOX.
VFD	VARIABLE FREQUENCY DRIVE.
	CONNECTION TO HOT WATER UNIT HEATER FAN/CONTROLS CIRCUIT. PROVIDE TOGGLE SWITCH IN NEMA 1 ENCLOSURE AS DISCONNECT.
T	TRANSFORMER, DRY TYPE, KVA.

RECEPTACLES AND EQUIPMENT CONNECTIONS (SEE LEGEND NOTE #1)

SYMBOL	DESCRIPTION
	DUPLEX GROUNDABLE RECEPTACLE, 120 VOLTS, NEMA 5-20R, WITH CIRCUIT NUMBER. MOUNT UP 18" A.F.F. / 4" CENTER LINE ABOVE COUNTER BACKSPLASH OR 42" A.F.F. UNLESS NOTED OTHERWISE.
	DOUBLE DUPLEX GROUNDABLE RECEPTACLES, 120 VOLTS, NEMA 5-20R, WITH CIRCUIT NUMBER. MOUNT UP 18" A.F.F. / 4" CENTER LINE ABOVE COUNTER BACKSPLASH UNLESS NOTED OTHERWISE.
	DUPLEX GROUND FAULT INTERRUPTER TYPE RECEPTACLE, 120 VOLTS, NEMA 5-20R, WITH CIRCUIT NUMBER. MOUNT UP 18" A.F.F. / 4" CENTER LINE ABOVE COUNTER BACKSPLASH UNLESS NOTED OTHERWISE.
	SPECIAL RECEPTACLE, 250 VOLT, NEMA CONFIGURATION AS PER NAME PLATE DATA ON EQUIPMENT TO BE CONNECTED OR AS INDICATED ON PLANS. MOUNT CENTER LINE 18" A.F.F. UNLESS NOTED OTHERWISE.
	SINGLE GROUNDABLE RECEPTACLE, 120 VOLTS, NEMA 5-20R, WITH CIRCUIT NUMBER. MOUNT UP 4" CENTER LINE ABOVE COUNTER BACKSPLASH UNLESS NOTED OTHERWISE.
TV	THIS NOTATION ADJACENT TO ANY RECEPTACLE SYMBOL INDICATES RECEPTACLE TO BE MOUNTED ADJACENT TO CABLE TV OUTLET.
WP	THIS NOTATION ADJACENT TO ANY RECEPTACLE SYMBOL INDICATES DUPLEX GROUNDABLE, 120 VOLT. NEMA 5-20R, GROUND FAULT INTERRUPTER TYPE RECEPTACLE IN A DAMP LOCATION, SHALL HAVE AN ENCLOSURE THAT IS WEATHERPROOF WHEN THE RECEPTACLE IS COVERED. (PLUG NOT INSERTED AND RECEPTACLE COVERS CLOSED). (COMPLIES WITH SECTION 410-57(a) OF 1999 N.E.C.).
E	THIS NOTATION ADJACENT TO ANY RECEPTACLE SYMBOL INDICATES RECEPTACLE TO BE ON AN EMERGENCY POWER CIRCUIT. RECEPTACLE SHALL BE RED IN COLOR WITH ENGRAVED NAMEPLATE "EMERGENCY POWER". COORDINATE NAMEPLATE IDENTIFICATION WITH GOVERNMENT.
CP	THIS NOTATION ADJACENT TO ANY RECEPTACLE OR DATA OUTLET INDICATES RECEPTACLE OR DATA OUTLET MOUNTED FLUSH ON CEILING ADJACENT TO OWNER PROVIDED CEILING PROJECTOR. COORDINATE LOCATION OF OUTLETS ADJACENT TO PROJECTOR ON CEILING PRIOR TO ROUGH-IN.
VAV	120 VOLT CONNECTION TO VARIABLE AIR VOLUME REHEAT BOX SWITCH FURNISHED UNDER MECHANICAL SECTION. LOCATE JUNCTION BOX ADJACENT TO AND CONNECT VAV BOX PER MANUFACTURER'S REQUIREMENTS. PROVIDE TOGGLE SWITCH IN NEMA 1 ENCLOSURE ADJACENT TO UNIT AS DISCONNECT.
GWH	120 VOLT CONNECTION TO GAS WATER HEATER CONTROLS. LOCATE JUNCTION BOX ADJACENT TO AND CONNECT HEATER PER MANUFACTURER'S REQUIREMENTS. PROVIDE TOGGLE SWITCH IN NEMA 1 ENCLOSURE ADJACENT TO UNIT AS DISCONNECT.

KEYNOTES

SYMBOL	DESCRIPTION
1	SHEET KEYNOTE.
1	REVISION KEYNOTE.
M1	MECHANICAL EQUIPMENT CONNECTION, SEE MECHANICAL EQUIPMENT POWER CONNECTION SCHEDULE.

DEMOLITION

SYMBOL	DESCRIPTION
	EXISTING QUAD RECEPTACLE.
	EXISTING DATA OUTLET.
	EXISTING DUPLEX RECEPTACLE.
F	EXISTING FIRE ALARM SYSTEM HORN/STROBE UNIT.
F	EXISTING FIRE ALARM SYSTEM MANUAL PULL STATION.
D	EXISTING FIRE ALARM SYSTEM DUCT DETECTOR.
T	EXISTING FIRE ALARM SYSTEM THERMAL DETECTOR.
S	EXISTING FIRE ALARM SYSTEM SMOKE DETECTOR.
I	EXISTING INTERCOM WALL STATION.
	EXISTING CONNECTION TO MOTOR OR FAN COIL UNIT.
	EXISTING MECHANICAL CONNECTION DISCONNECT SWITCH, 250V OR 480V.
FB	EXISTING FLOOR BOX TO BE ABANDONED UNLESS NOTED OTHERWISE.
SYS	THIS NOTATION INDICATES CONNECTION TO SYSTEMS FURNITURE. COORDINATE WITH THE FURNITURE PROVIDER AND PROVIDE AND INSTALL ALL MATERIALS NECESSARY FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.

ELECTRICAL SHEET INDEX

SHEET	SHEET NAME
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E0.2	LEGEND
E0.3	LEGEND (CONT.) & FIXTURE SCHEDULE
E0.4	COMM DETAILS
E0.5	SCHEDULES
E1.1	FLOOR PLAN – LIGHTING
E2.1	FLOOR PLAN – POWER
E3.1	FLOOR PLAN – SYSTEMS

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RENOVATE BASE SUPPLY WAREHOUSE B180
MS AIR NATIONAL GUARD
172ND AIRLIFT WING
PROJECT# LRXQ 172402

DRAWING REVISIONS

NO.	REMARKS	DATE

SEAL:

JON D. RICE
REGISTERED PROFESSIONAL ENGINEER
No. 14455
STATE OF MISSISSIPPI

DRAWN BY: SRA	SCALE: AS NOTED
DESIGNED BY: SRA	DATE:
CHECKED BY: JDR	PROJECT:

DRAWING TITLE
LEGEND

SHEET NUMBER
E0.2

ELECTRICAL LEGEND

FLOOR BOXES/FURNITURE CONNECTIONS

SYMBOL	DESCRIPTION
	FLOOR BOX, SINGLE GANG, FOR COMBINATION TELEPHONE AND DATA, FLUSH TYPE.
	FLOOR BOX, SINGLE GANG, FOR DUPLEX GROUNDABLE RECEPTACLE, 120V, NEMA 5-20R, FLUSH TYPE.
	FLOOR BOX, DOUBLE GANG, FOR COMBINATION TELEPHONE, DATA AND DUPLEX GROUNDABLE RECEPTACLE, 120V, NEMA 5-20R, FLUSH TYPE.
	4" SQ. BOX MOUNTED ABOVE ACCESSIBLE CEILING WITH 1" EMPTY FLEXIBLE CONDUIT CONNECTION (WITH PULL WIRE) TO SYSTEMS FURNITURE COMMUNICATIONS RACEWAY. VERIFY COMMUNICATIONS RACEWAY REQUIREMENTS WITH EQUIPMENT FURNISHED BY GOVERNMENT.
	4" SQ. BOX MOUNTED ABOVE ACCESSIBLE CEILING WITH 3/4" FLEXIBLE CONDUIT CONNECTION(S) TO SYSTEMS FURNITURE POWER RACEWAY. VERIFY WIRING REQUIREMENTS WITH EQUIPMENT FURNISHED BY OWNER AND CONNECT RECEPTACLES AS REQUIRED.

FIRE ALARM / MASS NOTIFICATION

SYMBOL	DESCRIPTION
FAC	FIRE ALARM SYSTEM CONTROL CABINET, MOUNT CENTER LINE 4'-6". ROUTE ALL FIRE ALARM HOMERUNS TO THIS POINT.
FAR	FIRE ALARM SYSTEM REMOTE ANNUNCIATOR, MOUNT CENTER LINE UP 4'-6".
F	FIRE ALARM SYSTEM MANUAL STATION, MOUNT CENTER LINE UP 42".
S	FIRE ALARM SYSTEM SMOKE DETECTOR, CEILING MOUNTED
T	RATE OF RISE / THERMAL DETECTOR WITH 135°C ELEMENT.
DSDP R/S	DUCT SMOKE DETECTOR, PHOTO ELECTRIC TYPE WITH SAMPLING TUBES, INSTALL IN DUCT AS DIRECTED BY MECHANICAL CONTRACTOR.
TS	FIRE ALARM CONNECTION TO TAMPER SWITCH.
FS	FIRE ALARM CONNECTION TO FLOW SWITCH.
DH	MAGNETIC DOOR HOLD OPEN – FIRE ALARM DEVICE.
F	FIRE ALARM / MASS NOTIFICATION SYSTEM HORN, SPEAKER, AND VISUAL ALARM DEVICE, MOUNT CENTER LINE UP 84" ABOVE FINISHED FLOOR OR 6" BELOW CEILING WHICHEVER IS LOWER, STROBE 110 CD UNLESS NOTED. DEVICE WILL INCLUDE BOTH FIRE ALARM AND MASS NOTIFICATION STROBES.
M	WALL MOUNTED MASS NOTIFICATION SPEAKER, SUITABLE FOR WET LOCATIONS.
	CEILING MOUNTED MASS NOTIFICATION SPEAKER. CAN ALSO BE USED AS PUBLIC ADDRESS SPEAKER WITH PROPER SUPERVISION CIRCUITRY.
PIV	FIRE ALARM CONNECTION TO POST INDICATOR VALVE.
LOC	LOCAL OPERATOR CONTROLLER.
FL	FIRE ALARM SYSTEM VISUAL STROBE. MOUNT CENTER LINE UP 84" ABOVE FINISHED FLOOR. DEVICE WILL INCLUDE BOTH FIRE ALARM AND MASS NOTIFICATION STROBES.
FSD	120 VOLT CONNECTION TO SMOKE DAMPER ASSOCIATED WITH ROOFTOP UNIT OR EXHAUST FAN. PROVIDE TOGGLE SWITCH IN NEMA 1 ENCLOSURE ADJACENT TO DAMPER AS DISCONNECT. PROVIDE DAMPER IN SUPPLY AND RETURN DUCT OF EACH ROOFTOP UNIT. CONNECT DAMPER PER MANUFACTURERS REQUIREMENTS.
PA	WALL MOUNTED PUBLIC ADDRESS SYSTEM LOUDSPEAKER, SUITABLE FOR WET LOCATIONS.

COMMUNICATIONS (SEE LEGEND NOTE #1)

SYMBOL	DESCRIPTION
	COMBINATION VOICE/DATA OUTLET AND PLATE, WITH 1" CONDUIT STUBBED OUT WITHIN 1' OF CABLE TRAY ABOVE CORRIDOR CEILING. MOUNT OUTLET CENTER LINE UP 18" A.F.F. / 4" ABOVE COUNTER BACKSPLASH, UNLESS NOTED OTHERWISE. SEE DETAIL, SHEET E0.5. FOR ADDITIONAL INFORMATION.
	BASE STATION ANTENNA OUTLET AND PLATE WITH 3/4" CONDUIT STUBBED OUT AT CABLE TRAY FOR CONNECTION ANTENNA PROVIDED BY GOVERNMENT.
TV	CATV OUTLET AND PLATE, 3/4" OR SIZE AS NOTED CONDUIT STUBBED OUT WITHIN 1' OF CABLE TRAY. MOUNT OUTLET CENTER LINE UP 12" BELOW CEILING UNLESS NOTED OTHERWISE ON THE PLAN OR IN THE SPECIFICATIONS. SEE DETAIL, SHEET E0.5 FOR ADDITIONAL INFORMATION..
J	SURFACE JUNCTION BOX, SIZE AND MOUNTING HEIGHT AS NOTED.
J	RECESSED JUNCTION BOX, SIZE AND MOUNTING HEIGHT AS NOTED.
CT	CABLE TRAY, EXISTING.
	COMMUNICATIONS OUTLET AND PLATE WITH 3/4" CONDUIT STUBBED OUT AT CABLE TRAY FOR CONNECTION TO FIRE ALARM CABINET OR HVAC CONTROLS. LOCATE OUTLET WHERE DIRECTED BY CONTRACTING OFFICER. PROVIDE RJ45 MODULAR JACK AND CABLING TO COMMUNICATIONS BACKBOARD.
WAP	CEILING MOUNTED WIRELESS ACCESS POINT, FURNISHED BY THE GOVERNMENT. PROVIDE CAT 6 CABLE CONNECTION FROM ACCESS POINT LOCATION TO COMMUNICATIONS ROOM. LEAVE 6' TAIL COILED UP AT ACCESS POINT LOCATION. IF 120V POWER IS REQUIRED, CONNECT TO NEAREST UNSWITCHED RECEPTACLE CIRCUIT.
	PA SYSTEM CEILING SPEAKER, 8" DIAMETER, QUAM SOLUTION 1 OR EQUAL. PROVIDE SPEAKER WIRING BETWEEN SPEAKERS AND AMPLIFIER REQUIRED FOR COMPLETE AND OPERATIONAL PA SYSTEM.
AMP	PA SYSTEM AMPLIFIER, MINIMUM 60 WATTS RMS, RACK MOUNTABLE. LOCATE AMPLIFIER WHERE DIRECTED BY GOVERNMENT. BOGEN CAT. NO. C60D WITH GSDRPK RACK MOUNT KIT (AS REQUIRED). PROVIDE MICROPHONE CABLES LENGTH AS REQUIRED TO CONNECT TO AMPLIFIER.
SYS	THIS NOTATION INDICATES CONNECTION TO SYSTEMS FURNITURE. COORDINATE WITH THE FURNITURE PROVIDER AND PROVIDE AND INSTALL ALL MATERIALS NECESSARY FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.

LIGHT FIXTURE SCHEDULE

SYMBOL	VOLTS	WATTS	DESCRIPTION	MANUFACTURER	CATALOG NUMBER/WATTS	MOUNTING
A	277	39W/ LED –	HIGH PERFORMANCE LED FLAT PANEL, 1' X 4', 0-10V DIMMING, ALUMINUM FRAME, 4000K COLOR TEMPERATURE, 4000 LUMENS	LITHONIA	EPANL-1X4-4000LM-80CRI-40K-MIN10-ZT-MVOLT –	RECESSED – –
B	277	9W/ LED –	4" DIAMETER DOWNLIGHT, 4000K COLOR TEMPERATURE, 0-10V. DIMMING, 1000 LUMENS FINISH AND TRIM COLOR TO MATCH CEILING	H.E. WILLIAMS	4DR-TL-L10-8-40-DIM-UNV-O-W-OF-CS-N-F1 –	RECESSED – –
C	277	30W/ LED –	STRIP FIXTURE W/DIFFUSE LENS, 4' LENGTH, 4000K COLOR TEMP., CHAIN HANGERS AS REQUIRED, 3000 LUMENS	LITHONIA	ZL1D-L48-3000LM-FST-MVOLT-40K-80CRI-WH-HC36 –	CEILING OR SUSPEND TO 9'0" –
D	277	197W/ LED –	HIGH BAY FIXTURE, 3500K COLOR TEMPERATURE, 24,000 LUMENS, WIDE DISTRIBUTION, AIRCRAFT CABLE SUSPENSION.	LITHONIA	IBL-24L-WD-SD125-LP835-IBAC120-M20 –	SUSPEND TO 26' A.F.F. –
F	277	56W/ LED –	EXPLOSION PROOF FIXTURE, 4' LENGTH, CHAIN HANGERS, 5500 LUMENS –	LARSON LIGHTING	HAL-48-2L-LED-BMSW – –	SUSPEND TO 9'0" A.F.F. –
G	277	9W/ LED –	4" DIAMETER EXTERIOR DOWNLIGHT, 4000K COLOR TEMPERATURE, 0-10V. DIMMING, 2000 LUMENS –	H.E. WILLIAMS	4DR-TL-L20-8-40-DIM-UNV-R-W-OF-CS-WET/CC-N-F1 –	RECESSED – –
H	277	9W/ LED –	4" DIAMETER SHOWER LIGHT, 4000K COLOR TEMPERATURE, 700 DUMENS. REGRESSED LENS WITH WHITE TRIM	GOTHAM	EVO4SH-40-10-DFR-SOL-MVOLT-EZ10 –	RECESSED – –
L	277	40W/ LED –	4" WIDTH RECESSED FIXTURE, 4' LENGTH, 0-10V DIMMING, ALUMINUM FRAME, 4000K COLOR TEMPERATURE, 1000 LUMENS/FT. GRID MOUNT	MARK LTG.	SL4L-LOP-4FT-RLP-TG-80CRI-40K-1000LMF-MIN1-277-ZT-USPOM	RECESSED – –
O	277	24W/ LED –	4" WIDTH RECESSED FIXTURE, 4' LENGTH, 0-10V DIMMING, ALUMINUM FRAME, 4000K COLOR TEMPERATURE, 600 LUMENS/FT. GYP MOUNT	MARK LTG.	SL4L-LOP-4FT-RLP-FL-80CRI-40K-600LMF-MIN1-277-ZT-USPOM	RECESSED – –
R	277	15W/ LED –	EXTERIOR WALL MOUNTED UP/DOWNLIGHT, MEDIUM DISTRIBUTION, 4000K COLOR TEMPERATURE, BRONZE MATTE FINISH, 450 LUMENS UP/450 LUMENS DOWN.	VISA LIGHTING	OW2300-L40K-MVOLT-MED-MED-BMAT –	WALL MOUINT CENTERLINE 6'6" A.F.F. (VERIFY)
S	277	77W/ LED –	EXTERIOR WALL MOUNTED LED, MEDIUM DISTRIBUTION, 4000K COLOR TEMPERATURE, BRONZE MATTE FINISH	LITHONIA LIGHTING	WDGE4 LED P1 40K 80CRI R3 MVOLT –	WALL MOUINT CENTERLINE 12' A.F.F. (VERIFY)
X1	277	LED – –	EXIT SIGN, SINGLE FACE, GREEN LETTERS, ARROWS AS INDICATED, WITH EMERGENCY BATTERY PACK. EDGE LIT RECESSED DESIGN	LITHONIA	EDGR-1-G-EL – –	CEILING MOUNTED
X2	277	LED – –	EXIT SIGN, SINGLE FACE, GREEN LETTERS, ARROWS AS INDICATED, WITH EMERGENCY BATTERY PACK. –	LITHONIA	TLE-1-G-ELN – –	CEILING OR WALL MOUNTED – VERIFY HEIGHT

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PROJECT# LRXQ 172402

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NO.	REMARKS	DATE

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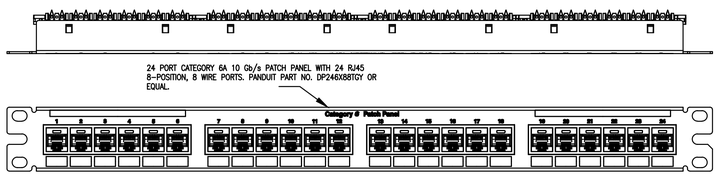
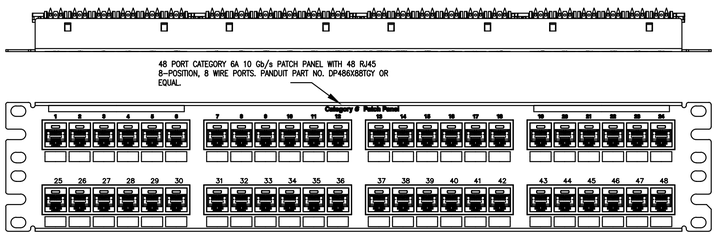
DESIGNED BY: SRA	DATE:
CHECKED BY: JDR	PROJECT:

DRAWING TITLE
LEGEND (CONT.) & FIXTURE SCHEDULE

SHEET NUMBER
E0.3



24 POINT PATCH PANEL

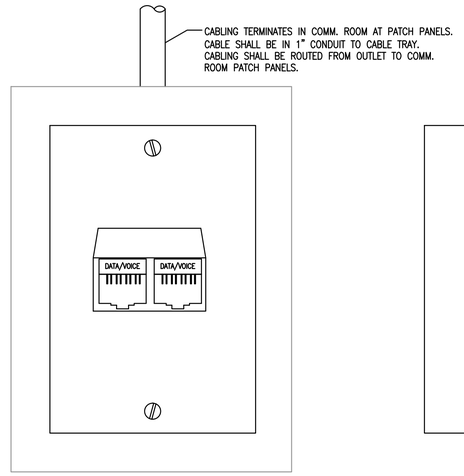


48 POINT PATCH PANEL

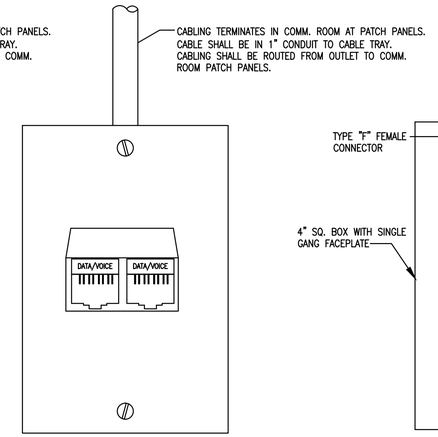
DETAIL 1/E0.5 GENERAL NOTES:

A. PROVIDE NUMBER OF PORTS/JACKS REQUIRED PLUS 10% SPARE CAPACITY.

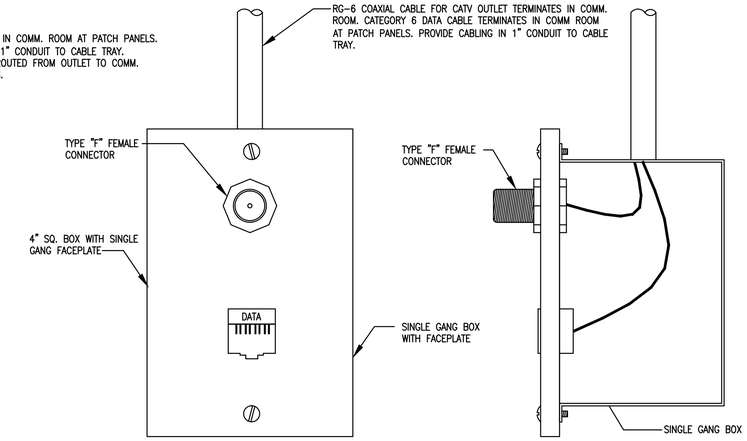
1 DETAIL - PATCH PANELS AT EXISTING RACK
NO SCALE



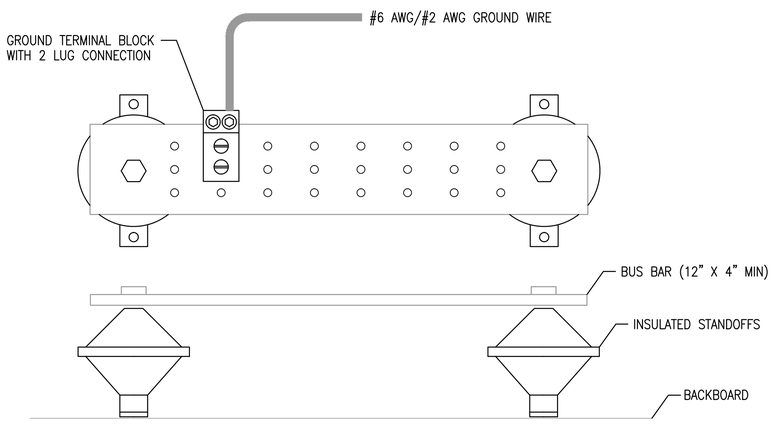
3 DETAIL - SYMBOL "▽"
NO SCALE



2 DETAIL - SYMBOL "▼"
NO SCALE



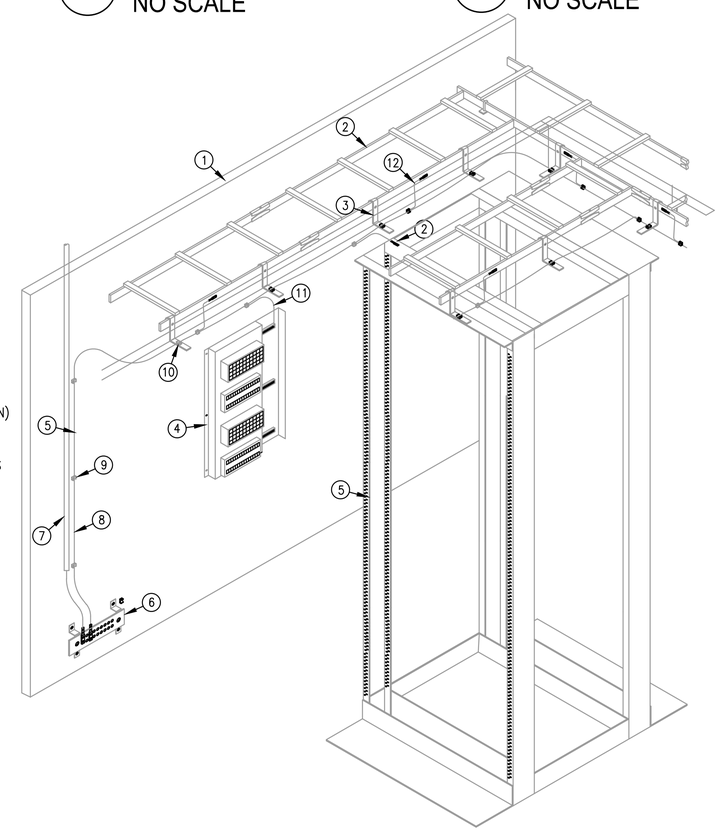
4 DETAIL - SYMBOL "TV"
NO SCALE



GROUND BUS BAR
NO SCALE

NOTES:

1. PROVIDE ONE PER CLOSET OR BACKBOARD LOCATION.
2. CONNECT GROUND BUS BARS WITH #6 AWG GROUND WIRE TO MAIN GROUND BUS BAR IN MAIN COMMUNICATIONS ROOM. CONNECT MAIN GROUND BUS BAR TO MAIN ELECTRICAL GROUND WITH #2 AWG.
3. CONNECT GROUND WIRES TO BUS BAR WITH TERMINAL BLOCKS.
4. EXISTING GROUNDING MATERIALS MAY BE REUSED IF APPLICABLE TO NEW WORK AND FOUND TO BE REUSEABLE.



5 GROUNDING LAYOUT FOR EQUIPMENT ROOM
NO SCALE

GENERAL NOTES:

A. DETAIL PROVIDED TO SHOW INTENT OF GROUNDING DESIGN IN COMMUNICATIONS ROOM.
B. MANUFACTURER INFORMATION LISTED IS PROVIDED TO ESTABLISH MINIMUM LEVEL OF QUALITY. SEE FLOOR PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING THE BUILDING GROUNDING SYSTEM.
C. UL FIRE RATING STAMP SHALL REMAIN VISIBLE AT ALL TIMES. DO NOT INSTALL DEVICES OVER THE STAMP.

TYPICAL COMMUNICATIONS ROOM GROUNDING DETAIL NOTES:

1. TYP. EXISTING COMMUNICATIONS PLYWOOD BACKBOARD.
2. TYP. #6 THHN GREEN BONDING JUMPER FROM COMMON BONDING NETWORK (CBN) CONDUCTOR TO EQUIPMENT FRAME. ATTACH TO FRAME USING TWO HOLE (5/8" SPACING) LONG BARREL COMPRESSION LUGS WITH TWO INDENTS – PANDUIT #LCC6-14JAW-L MOUNTED TO EQUIPMENT FRAME USING 1/4-20 BOLTS. ATTACH TO "CBN" USING PANDUIT #HTAP" CABLE SPLICE #HTCT2-2-1 WITH CLEAR PLASTIC COVER #CLRCVR2-1
3. TYP. CABLE RUNWAY "L" BRACKET, CHATSWORTH #11268-001, ATTACHED TO CABLE TRAY
4. TYP. TELECOM OUTSIDE PLANT (OSP) PROTECTOR EQUIPMENT FRAME
5. EXISTING RACK SHOWN FOR GROUNDING INTENT ONLY. SEE FLOOR PLANS FOR EQUIPMENT REQUIREMENTS
6. TYP. TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB) PANDUIT GB2B0306TPI-1
7. TYP. 1" PVC CONDUIT WITH BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT) FROM BUILDING MAIN ELECTRICAL SERVICE GROUND CONNECTION POINT. ATTACH TO "TMGB" USING TWO HOLE (5/8" SPACING) LONG BARREL COMPRESSION LUGS WITH TWO INDENTS.
8. TYP. #2 THHN GREEN COMMON BONDING NETWORK CONDUCTOR (CBN). CONNECT TO "TMGB" USING TWO HOLE (5/8" SPACING) LONG BARREL COMPRESSION LUGS WITH TWO INDENTS – PANDUIT #LCC2-14AW-Q.
9. TYP. ATTACH "CBN" TO TERMINAL BOARD USING NYLON CABLE TIE MOUNT, PANDUIT # TMEH-S10-QO WITH SCREW AND PANDUIT #PLT1.5S-C CABLE TIE.
10. TYP. ATTACH "CBN" TO "L" BRACKETS USING NYLON CABLE TIE MOUNT, PANDUIT #TMEH-S10-QO WITH 10/24 BOLT AND PANDUIT #PLT1.5S-C CABLE TIE.
11. TYP. #6 THHN GREEN BONDING JUMPER FROM "CBN" TO "OSP" GROUNDING BUSBAR. CONNECT TO "CBN" USING PANDUIT "HTAP" CABLE SPLICE #HTCT2-2-1 WITH CLEAR PLASTIC COVER #CLRCVR2-1.
12. TYP. #6 THHN GREEN BONDING JUMPER FROM "CBN" TO CABLE TRAY. ATTACH TO CABLE TRAY USING TWO HOLE (5/8" SPACING) LONG BARREL COMPRESSION LUGS WITH TWO INDENTS – PANDUIT #LCC6-14JAW-L MOUNTED TO SIDE OF TRAY USING 1/4-20 BOLTS. SCRAPE PAINT FROM SIDE OF TRAY PRIOR TO INSTALLATION. ATTACH TO "CBN" USING PANDUIT "HTAP" CABLE SPLICE #HTCT2-1 WITH CLEAR PLASTIC COVERS #CLRCVR2-1.
13. TYPICAL, EXISTING GROUNDING MATERIALS APPLICABLE TO NEW WORK MAY BE REUSED IF FOUND TO BE REUSABLE.

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No. 14455
STATE OF MISSISSIPPI

DRAWN BY: SRA	SCALE: AS NOTED
DESIGNED BY: SRA	DATE:
CHECKED BY: JDR	PROJECT:

DRAWING TITLE
COMM DETAILS

SHEET NUMBER
E0.4

PANEL 'MDP' SCHEDULE

LOCATION: ELEC ROOM   RATING: 800A   AIC: 24K
VOLTAGE: 277 /480 V   TYPE: MCB   ENCLOSURE: NEMA 1
WIRING: 3Φ/4W

CKT	BKR	DESCRIPTION	CLASS	LOAD	A	B	C	LOAD	CLASS	DESCRIPTION	BKR	CKT
1			0.786	8568	15582			7014	1			2
3	200A/3P	HE1 VIA MTS-1	0.789	5987		11559		5572	1	H1	125A/3P	4
5			0.789	5987			7437	1450	1			6
7			N	0	5040			5040	0.799			8
9	100A/3P	SPD	N	0		5900		5900	0.816	L1 VIA TX1	70A/3P	10
11			N	0			6300	6300	0.799			12
13			0.806	12020	33916			21896	0.85			14
15	70A/3P	L2 VIA TX2	0.818	10860		37221		26361	0.89	LM1 VIA TX3	110A/3P	16
17			0.85	12560			38117	25557	0.89			18
19			N		0				N			20
21		SPACE	N			0			N	SPACE		22
23			N				0		N			24
25			N		0				N			26
27		SPACE	N			0			N	SPACE		28
29			N				0		N			30
					54538 VA	54680 VA	51854 VA					
					197 A	197 A	187 A					

DEMAND FACTORS

		C. LOAD	DEMAND	D. LOAD
LIGHTING	L	0	100%	0
RECEPTACLE	R	0	*	0
HVAC	H	0	80%	0
KITCHEN	K	0	65%	0
MOTOR	M	0	100%	0
NON-CONTINUOUS	N	0	100%	0
CONTINUOUS	C	0	125%	0
PANEL	#	161072	86%	137981.2

LOAD SUMMARY
CONNECTED: 161072 VA : 194 A
DEMAND: 137981 VA : 166 A

PHASE BALANCE
A 34%
B 34%
C 32%

AVG. DMD 85.66%

PANEL 'H1' SCHEDULE

LOCATION: ELEC ROOM   RATING: 125A   AIC: 24K
VOLTAGE: 277 /480 V   TYPE: MLO   ENCLOSURE: NEMA 1
WIRING: 3Φ/4W

CKT	BKR	DESCRIPTION	CLASS	LOAD	A	B	C	LOAD	CLASS	DESCRIPTION	BKR	CKT
1	20A/1P	LTS - FRONT EXT	L	200	3564			3364	L	LTS - WAREHOUSE	20A/1P	2
3	20A/1P	LTS - STOR & UTILITY	L	1336		4306		2970	L	LTS - WAREHOUSE	20A/1P	4
5	20A/1P	LTS - RECEIVING	L	150			150		N	SPARE	20A/1P	6
7	20A/1P	LTS - DISTRIBUTION	L	3450	3450				N	SPARE	20A/1P	8
9	20A/1P	LTS - RR & TRAINING	L	1266		1266			N	SPARE	20A/1P	10
11	20A/1P	LTS - CORR & OFFICES	L	1300			1300		N	SPARE	20A/1P	12
13	20A/1P	SPARE	N		0				N	SPARE	20A/1P	14
15	20A/1P	SPARE	N			0			N	SPARE	20A/1P	16
17	20A/1P	SPARE	N				0		N	SPARE	20A/1P	18
19		SPACE	N		0				N	SPACE		20
21		SPACE	N			0			N	SPACE		22
23		SPACE	N				0		N	SPACE		24
25		SPACE	N		0				N	SPACE		26
27		SPACE	N			0			N	SPACE		28
29		SPACE	N				0		N	SPACE		30
31		SPACE	N		0				N	SPACE		32
33		SPACE	N			0			N	SPACE		34
35		SPACE	N				0		N	SPACE		36
37		SPACE	N		0				N	SPACE		38
39		SPACE	N			0			N	SPACE		40
41		SPACE	N				0		N	SPACE		42
					7014 VA	5572 VA	1450 VA					
					25 A	20 A	5 A					

DEMAND FACTORS

		C. LOAD	DEMAND	D. LOAD
LIGHTING	L	14036	100%	14036
RECEPTACLE	R	0	*	0
HVAC	H	0	80%	0
KITCHEN	K	0	65%	0
MOTOR	M	0	100%	0
NON-CONTINUOUS	N	0	100%	0
CONTINUOUS	C	0	125%	0
PANEL	#	0	0%	0

LOAD SUMMARY
CONNECTED: 14036 VA : 17 A
DEMAND: 14036 VA : 17 A

PHASE BALANCE
A 50%
B 40%
C 10%

AVG. DMD 100.00%

PANEL 'HE1' SCHEDULE

LOCATION: ELEC ROOM   RATING: 225A   AIC: 24K
VOLTAGE: 277 /480 V   TYPE: MLO   ENCLOSURE: NEMA 1
WIRING: 3Φ/4W

CKT	BKR	DESCRIPTION	CLASS	LOAD	A	B	C	LOAD	CLASS	DESCRIPTION	BKR	CKT
1	20A/1P	SPARE	N		0				N	SPARE	20A/1P	2
3		SPACE	N			0			N	SPACE		4
5		SPACE	N				0		N	SPACE		6
7		SPACE	N		0				N	SPACE		8
9		SPACE	N			0			N	SPACE		10
11		SPACE	N				0		N	SPACE		12
13		SPACE	N		0				N	SPACE		14
15		SPACE	N			0			N	SPACE		16
17		SPACE	N				0		N	SPACE		18
19		SPACE	N		0				N	SPACE		20
21		SPACE	N			0			N	SPACE		22
23		SPACE	N				0		N	SPACE		24
25		SPACE	N		0				N	SPACE		26
27		SPACE	N			0			N	SPACE		28
29		SPACE	N				0		N	SPACE		30
31		SPACE	N		0				N	SPACE		32
33		SPACE	N			0			N	SPACE		34
35		SPACE	N				0		N	SPACE		36
37			N		8568			8568	0.786			38
39	60A/3P	SPD	N			5987		5987	0.789	LE1 VIA TXE1	50A/3P	40
41			N				5987	5987	0.789			42
					8568 VA	5987 VA	5987 VA					
					31 A	22 A	22 A					

DEMAND FACTORS

		C. LOAD	DEMAND	D. LOAD
LIGHTING	L	0	100%	0
RECEPTACLE	R	0	*	0
HVAC	H	0	80%	0
KITCHEN	K	0	65%	0
MOTOR	M	0	100%	0
NON-CONTINUOUS	N	0	100%	0
CONTINUOUS	C	0	125%	0
PANEL	#	20542	79%	16184.8

LOAD SUMMARY
CONNECTED: 20542 VA : 25 A
DEMAND: 16185 VA : 19 A

PHASE BALANCE
A 42%
B 29%
C 29%

AVG. DMD 78.79%

EQUIPMENT CONNECTION SCHEDULE

TAG	DESCRIPTION	VOLT/ PHASE	MCA	CIRCUIT	FEEDER	DISCONNECT	NOTES
M1	F-1	120/1	20	LM1:32	2-#12, 1-#12 -G- IN 3/4"C	TOGGLE	1,2,3
M2	F-1A	120/1	20	LM1:34	2-#12, 1-#12 -G- IN 3/4"C	TOGGLE	1,2,3
M3	F-2	120/1	17.3	LM1:36	2-#12, 1-#12 -G- IN 3/4"C	TOGGLE	1,2,3
M4	F-3	120/1	12.3	LM1:38	2-#12, 1-#12 -G- IN 3/4"C	TOGGLE	1,2,3
M5	CU-1	208/3	21	LM1:1,3,5	3-#10, 1-#10 -G- IN 3/4"C	60A/3P/35AF	1,2,4,6
M6	CU-1A	208/3	21	LM1:2,4,6	3-#10, 1-#10 -G- IN 3/4"C	60A/3P/35AF	1,2,4,6
M7	CU-2	208/3	18	LM1:7,9,11	3-#12, 1-#10 -G- IN 3/4"C	30A/3P/30AF	1,2,4,6
M8	CU-3	208/3	14	LM1:8,10,12	3-#12, 1-#12 -G- IN 3/4"C	30A/3P/20AF	1,2,4,6
M9	MS-1	208/1	0.3	-	2-#12, 1-#12 -G- IN 3/4"C	TOGGLE	1,3,7,9
M10	MS-2	208/1	0.3	-	2-#12, 1-#12 -G- IN 3/4"C	TOGGLE	1,3,7,9
M11	MS-3	208/1	0.4	-	2-#12, 1-#12 -G- IN 3/4"C	TOGGLE	1,3,7,9
M12	DSOU-1	208/1	16.5	LM1:13,15	2-#12, 1-#12 -G- IN 3/4"C	30A/2P/20AF	1,2,4,6
M13	DSOU-2	208/1	16.5	LM1:17,19	2-#12, 1-#12 -G- IN 3/4"C	30A/2P/20AF	1,2,4,6
M14	DSOU-3	208/1	18.3	LM1:21,23	2-#12, 1-#12 -G- IN 3/4"C	30A/2P/20AF	1,2,4,6
M15	EF-1	120/1	1.8	LM1:37	2-#12, 1-#12 -G- IN 3/4"C	TOGGLE	1,3,7
M16	EF-2	208/3	8.3	LM1:14,16,18	3-#12, 1-#12 -G- IN 3/4"C	30A/3P/15AF	1,2,3
M17	EF-3	208/3	8.3	LM1:20,22,24	3-#12, 1-#12 -G- IN 3/4"C	30A/3P/15AF	1,2,3
M18	EF-4	208/3	8.3	LM1:25,27,29	3-#12, 1-#12 -G- IN 3/4"C	30A/3P/15AF	1,2,3
M19	EF-5	208/3	8.3	LM1:26,28,30	3-#12, 1-#12 -G- IN 3/4"C	30A/3P/15AF	1,2,3
M20	EF-6	208/3	8.3	LM1:31,33,35	3-#12, 1-#12 -G- IN 3/4"C	30A/3P/15AF	1,2,3
M21	MS-4	208/1	0.4	-	2-#12, 1-#12 -G- IN 3/4"C	TOGGLE	1,3,7,9
M22	DSOU-4	208/1	18.3	LM1:39,41	2-#12, 1-#12 -G- IN 3/4"C	30A/2P/20AF	1,2,4,6
M23	IRUH-1	120/1	5	LM1:43	2-#12, 1-#12 -G- IN 3/4"C	TOGGLE	1,2,3
M24	FIRE PUMP	-	-	-	REFER TO ONE-LINE	-	-
M25	UH-1A	120/1	1	LM1:50	2-#12, 1-#12 -G- IN 3/4"C	TOGGLE	1,3,7
M26	UH-1B	120/1	1	LM1:50	2-#12, 1-#12 -G- IN 3/4"C	TOGGLE	1,3,7
M27	UH-1C	120/1	1	LM1:50	2-#12, 1-#12 -G- IN 3/4"C	TOGGLE	1,3,7
M28	UH-1D	120/1	1	LM1:50	2-#12, 1-#12 -G- IN 3/4"C	TOGGLE	1,3,7
M29	UH-1E	120/1	1	LM1:52	2-#12, 1-#12 -G- IN 3/4"C	TOGGLE	1,3,7
M30	UH-1F	120/1	1	LM1:52	2-#12, 1-#12 -G- IN 3/4"C	TOGGLE	1,3,7
M31	UH-1G	120/1	1	LM1:52	2-#12, 1-#12 -G- IN 3/4"C	TOGGLE	1,3,7
M32	UH-1H	120/1	1	LM1:52	2-#12, 1-#12 -G- IN 3/4"C	TOGGLE	1,3,7
P1	WH-1	120/1	5	LM1:40	2-#12, 1-#12 -G- IN 3/4"C	TOGGLE	1,4,7
P2	WH-2	120/1	5	LM1:42	2-#12, 1-#12 -G- IN 3/4"C	TOGGLE	1,4,7
P3	WH-3	208/1	54.1	LM1:46,48	2-#4, 1-#10 -G- IN 3/4"C	60A/2P/60AF	1,2,4
P4	DWP-1	120/1	3.8	LM1:44	2-#12, 1-#12 -G- IN 3/4"C	TOGGLE	1,4,7

Notes:
1) CIRCUIT TO INCLUDE ONE (1) GREEN GROUNDING CONDUCTOR (G) SIZED PER BRANCH CIRCUIT UNLESS SHOWN TO BE SIZED DIFFERENTLY. ALL CONDUCTORS TYPE THHN/THWN.
2) DUAL ELEMENT TYPE FUSE OF PROPER VOLTAGE. IF FUSE SIZE NOT SHOWN, UNIT TO BE UNFUSED.
3) FINAL CONNECTION USING FLEXIBLE CONDUIT. COORIDNATE FINAL CONNECTION TYPE WITH OWNER/EQUIPMENT PROVIDER PRIOR TO SUBMITTALS.
4) FINAL CONNECTION USING LIQUID TIGHT FLEXIBLE CONDUIT.
5) INSTALL DISCONNECT SWITCH ADJACENT TO AND CONNECT THROUGH STARTER OR VARIABLE FREQUENCY DRIVE (AS REQUIRED) FURNISHED UNDER MECHANCIAL SECTION.
6) RAINTIGHT NEMA 3R DISCONNECT SWITCH.
7) PROVIDE TOGGLE SWITCH IN NEMA 1 ENCLOSURE AS DISCONNECT.
8) DISCONNECT INTEGRAL WITH UNIT.
9) INDOOR UNIT IS SERVED BY OUTDOOR UNIT. PROVIDE CONDUIT AND BOXES AS REQUIRED FOR CABLING PROVIDED WITH UNIT. VERIFY REQUIREMENTS WITH MANUFACTURER AND PROVIDE WIRING REQUIRED IF NOT PROVIDED WITH UNIT.

PANEL 'L1' SCHEDULE

LOCATION: ELEC ROOM   RATING: 150A   AIC: 10K
VOLTAGE: 120 /208 V   TYPE: MCB   ENCLOSURE: NEMA 1
WIRING: 3Φ/4W

CKT	BKR	DESCRIPTION	CLASS	LOAD	A	B	C	LOAD	CLASS	DESCRIPTION	BKR	CKT
1	20A/1P	REC - CONF 102	R	720	720				R	SPARE	20A/1P	2
3	20A/1P	REC - 102 TABLE	R	360		360			R	SPARE	20A/1P	4
5	20A/1P	REC - CONF 102	R	720			720		R	SPARE	20A/1P	6
7	20A/1P	SPARE	R		720			720	R	REC - TRAIN 101	20A/1P	8
9	20A/1P	SPARE	R			720		720	R	REC - TRAIN 101	20A/1P	10
11	20A/1P	SPARE	R				720	720	R	REC - TRAIN 101	20A/1P	12
13	20A/1P	REC - TRAIN 101	R	720	1080			360	R	REC - TRAIN 101	20A/1P	14
15	20A/1P	REC - GENERAL	R	720		1220		500	N	EDF	20A/1P	16
17	20A/1P	REC - WOMEN 113	R	720			1080	360	R	REC - BREAK 111	20A/1P	18
19	20A/1P	REC - MEN 112	R	720	720				R	SPARE	20A/1P	20
21	20A/1P	REC - GENERAL	R	1080		2160		1080	R	REC - OFFICE 104	20A/1P	22
23	20A/1P	REC - GENERAL	R	1080			2160	1080	R	REC - OFFICE 105	20A/1P	24
25	20A/1P	REC - GENERAL	R	1080	1440			360	R	REC - 107	20A/1P	26
27	20A/1P	REC - GENERAL	R	900		1440		540	R	REC - 107	20A/1P	28
29	20A/1P	REC - GENERAL	R	1080			1620	540	R	REC - 106	20A/1P	30
31	20A/1P	REC - BREAK 111	R	180	360			180	R	REC - BREAK 111	20A/1P	32
33	20A/1P	SPARE	N			0			N	SPARE	20A/1P	34
35	20A/1P	SPARE	N				0		N	SPARE	20A/1P	36
37	20A/1P	SPARE	N		0				N	SPARE	20A/1P	38
39		SPACE	N			0			N	SPACE		40
41		SPACE	N				0		N	SPACE		42
					5040 VA	5900 VA	6300 VA					
					42 A	49 A	53 A					

DEMAND FACTORS

		C. LOAD	DEMAND	D. LOAD
LIGHTING	L	0	100%	0
RECEPTACLE	R	16740	*	13370
HVAC	H	0	80%	0
KITCHEN	K	0	65%	0
MOTOR	M	0	100%	0
NON-CONTINUOUS	N	500	100%	500
CONTINUOUS	C	0	125%	0
PANEL	#	0	0%	0

LOAD SUMMARY
CONNECTED: 17240 VA : 48 A
DEMAND: 13870 VA : 39 A

PHASE BALANCE
A 29%
B 34%
C 37%

AVG. DMD 80.45%

PANEL 'L2' SCHEDULE

LOCATION: ELEC ROOM   RATING: 150A   AIC: 10K
VOLTAGE: 120 /208 V   TYPE: MCB   ENCLOSURE: NEMA 1
WIRING: 3Φ/4W

CKT	BKR	DESCRIPTION	CLASS	LOAD	A	B	C	LOAD	CLASS	DESCRIPTION	BKR	CKT
1	20A/1P	REC - GENERAL	R	900	1440			540	R	REC - P & C 126	20A/1P	2
3	20A/1P	REC - GENERAL	R	1080		1620		540	R	REC - P & C 126	20A/1P	4
5	20A/1P	REC - GENERAL	R	1080			1440	360	R	REC - P & C 126	20A/1P	6
7	20A/1P	REC - EQPT 127	R	500	1220			720	R	REC - P & C 126	20A/1P	8
9	20A/1P	REC - EQPT 127	R	500		680		180	R	REC - P & C 126	20A/1P	10
11	20A/1P	REC - EQPT 127	R	500			860	360	R	REC - HAZ 127	20A/1P	12
13	20A/1P	REC - HAZ 127	R	540	1440			900	R	REC - GENERAL	20A/1P	14
15	20A/1P	SYS FURN 103	R	900		1800		900	R	SYS FURN 103	20A/1P	16
17	20A/1P	SYS FURN 103	R	900			1800	900	R	SYS FURN 103	20A/1P	18
19	20A/1P	SYS FURN 103	R	900	1800			900	R	SYS FURN 103	20A/1P	20
21	20A/1P	SYS FURN 103	R	900		1800		900	R	SYS FURN 103	20A/1P	22
23	20A/1P	SYS FURN 103	R	900			1800	900	R	SYS FURN 103	20A/1P	24
25	20A/1P	SYS FURN 103	R	900	1800			900	R	SYS FURN 103	20A/1P	26
27	20A/1P	SYS FURN 103	R	900		1000		100	N	SCALE	20A/1P	28
29	20A/1P	SYS FURN 103	R	900			2340	1440	N	PACKAGE WRAPPER	20A/1P	30
31	20A/1P	REC - WAREHOUSE	R	720	720				N	SPARE	20A/1P	32
33	20A/1P	REC - BARREL CLEANING	R	360		360			N	SPARE	20A/1P	34
35	20A/1P	SPARE	N				720	720	M	OVERHEAD DOOR	15A/2P	36
37	20A/1P	SPARE	N		720			720	M			38
39	20A/1P	SPARE	N			720		720	M	OVERHEAD DOOR	15A/2P	40
41	20A/1P	SPARE	N				720	720	M			42
43	15A/2P	OVERHEAD DOOR	M	720	1440			720	M	OVERHEAD DOOR	15A/2P	44
45			M	720		1440		720	M			46
47	15A/2P	OVERHEAD DOOR	M	720			1440	720	M	OVERHEAD DOOR	15A/2P	48
49			M	720	1440			720	M			50
51	15A/2P	OVERHEAD DOOR	M	720		1440		720	M	OVERHEAD DOOR	15A/2P	52
53			M	720			1440	720	M			54
					12020 VA	10860 VA	12560 VA					
					100 A	91 A	105 A					

DEMAND FACTORS

		C. LOAD	DEMAND	D. LOAD
LIGHTING	L	0	100%	0
RECEPTACLE	R	22380	*	16190
HVAC	H	0	80%	0
KITCHEN	K	0	65%	0
MOTOR	M	11520	100%	11520
NON-CONTINUOUS	N	1540	100%	1540
CONTINUOUS	C	0	125%	0
PANEL	#	0	0%	0

LOAD SUMMARY
CONNECTED: 35440 VA : 98 A
DEMAND: 29250 VA : 81 A

PHASE BALANCE
A 34%
B 31%
C 35%

AVG. DMD 82.53%

PANEL 'LE1' SCHEDULE

LOCATION: ELEC ROOM   RATING: 100A   AIC: 10K
VOLTAGE: 120 /208 V   TYPE: MCB   ENCLOSURE: NEMA 1
WIRING: 3Φ/4W

CKT	BKR	DESCRIPTION	CLASS	LOAD	A	B	C	LOAD	CLASS	DESCRIPTION	BKR	CKT
1	20A/1P	REC - DATA 117	R	1080	4824			3744	R	REC - DATA 117	30A/2P	2
3	20A/1P	REC - DATA 117	R	720		4464		3744	R			4
5	20A/1P	REC - DATA 117	R	720			4464	3744	R	REC - DATA 117	30A/2P	6
7		SPACE	N		3744			3744	R			8
9		SPACE	N			0			N	SPACE		10
11		SPACE	N				0		N	SPACE		12
13		SPACE	N		0				N	SPACE		14
15		SPACE	N			0			N	SPACE		16
17		SPACE	N				0		N	SPACE		18
19		SPACE	N		0				N	SPACE		20
21		SPACE	N			0			N	SPACE		22
23		SPACE	N				0		N	SPACE		24
25		SPACE	N		0				N	SPACE		26
27		SPACE	N			0			N	SPACE		28
29		SPACE	N				0		N	SPACE		30
31		SPACE	N		0				N	SPACE		32
33		SPACE	N			0			N	SPACE		34
35		SPACE	N				0		N	SPACE		36
37		SPACE	N		0				N	SPACE		38
39		SPACE	N			1523		1523	H	M11/M14: DSOU-3	20A/2P	40
41		SPACE	N				1523	1523	H			42
					8568 VA	5987 VA	5987 VA					
					71 A	50 A	50 A					

DEMAND FACTORS

		C. LOAD	DEMAND	D. LOAD
LIGHTING	L	0	100%	0
RECEPTACLE	R	17496	*	13748
HVAC	H	3046	80%	2436.8
KITCHEN	K	0	65%	0
MOTOR	M	0	100%	0
NON-CONTINUOUS	N	0	100%	0
CONTINUOUS	C	0	125%	0
PANEL	#	0	0%	0

LOAD SUMMARY
CONNECTED: 20542 VA : 57 A
DEMAND: 16185 VA : 45 A

PHASE BALANCE
A 42%
B 29%
C 29%

AVG. DMD 78.79%

PANEL 'LM1' SCHEDULE

LOCATION: ELEC ROOM   RATING: 225A   AIC: 10K
VOLTAGE: 120 /208 V   TYPE: MCB   ENCLOSURE: NEMA 1
WIRING: 3Φ/4W

CKT	BKR	DESCRIPTION	CLASS	LOAD	A	B	C	LOAD	CLASS	DESCRIPTION	BKR	CKT
1			H	2519	5038			2519	H			2
3	35A/3P	M5: CU-1	H	2519		5038		2519	H	M6: CU-1A	35A/3P	4
5			H	2519			5038	2519	H			6
7			H	2160	3840			1680	H			8
9	30A/3P	M7: CU-2	H	2160		3840		1680	H	M8: CU-3	20A/3P	10
11			H	2160			3840	1680	H			12
13	20A/2P	M12/M9: DSOU-1	H	1748	2545			797	M			14
15			H	1748		2545		797	M	M16: EF-2	15A/3P	16
17	20A/2P	M13/M10: DSOU-2	H	1748			2545	797	M			18
19			H	1748	2545			797	M			20
21	20A/2P	M14/M11: DSOU-3	H	1945		2742		797	M	M17: EF-3	15A/3P	22
23			H	1945			2742	797	M			24
25			M	797	1594			797	M			26
27	15A/3P	M18: EF-4	M	797		1594		797	M	M19: EF-5	15A/3P	28
29			M	797			1594	797	M			30
31			M	797	3197			2400	H	M1: F-1	20A/1P	32
33	15A/3P	M20: EF-6	M	797		3197		2400	H	M2: F-1A	20A/1P	34
35			M	797			2873	2076	H	M3: F-2	20A/1P	36
37	15A/1P	M15: EF-1	M	216	1692			1476	H	M4: F-3	20A/1P	38
39	20A/2P	M21/M22: DSOU-4	M	1945		2425		480	N	P1: WH-1	15A/1P	40
41			M	1945			2425	480	N	P2: WH-2	15A/1P	42
43	15A/1P	M23: IRUH-1	M	600	965			365	N	P4: DWP-1	15A/1P	44
45	15A/1P	SPARE	M			4500		4500	N	P3: WH-3	60A/2P	46
47	20A/1P	SPARE	M				4500	4500	N			48
49	20A/1P	SPARE	N		480			480	N	M25-28: UH'S	15A/1P	50
51	20A/1P	SPARE	N			480		480	N	M29-32: UH'S	15A/1P	52
53	20A/1P	SPARE	N				0		N	SPARE	15A/2P	54
55		SPACE	N		0				N			56
57		SPACE	N			0			N	SPARE	20A/2P	58
59		SPACE	N				0		N			60
61			N		0				N			62
63	65A/3P	SPD	N			0			N	SPARE	20A/3P	64
65			N				0		N			66
					21896 VA	26361 VA	25557 VA					
					182 A	220 A	213 A					

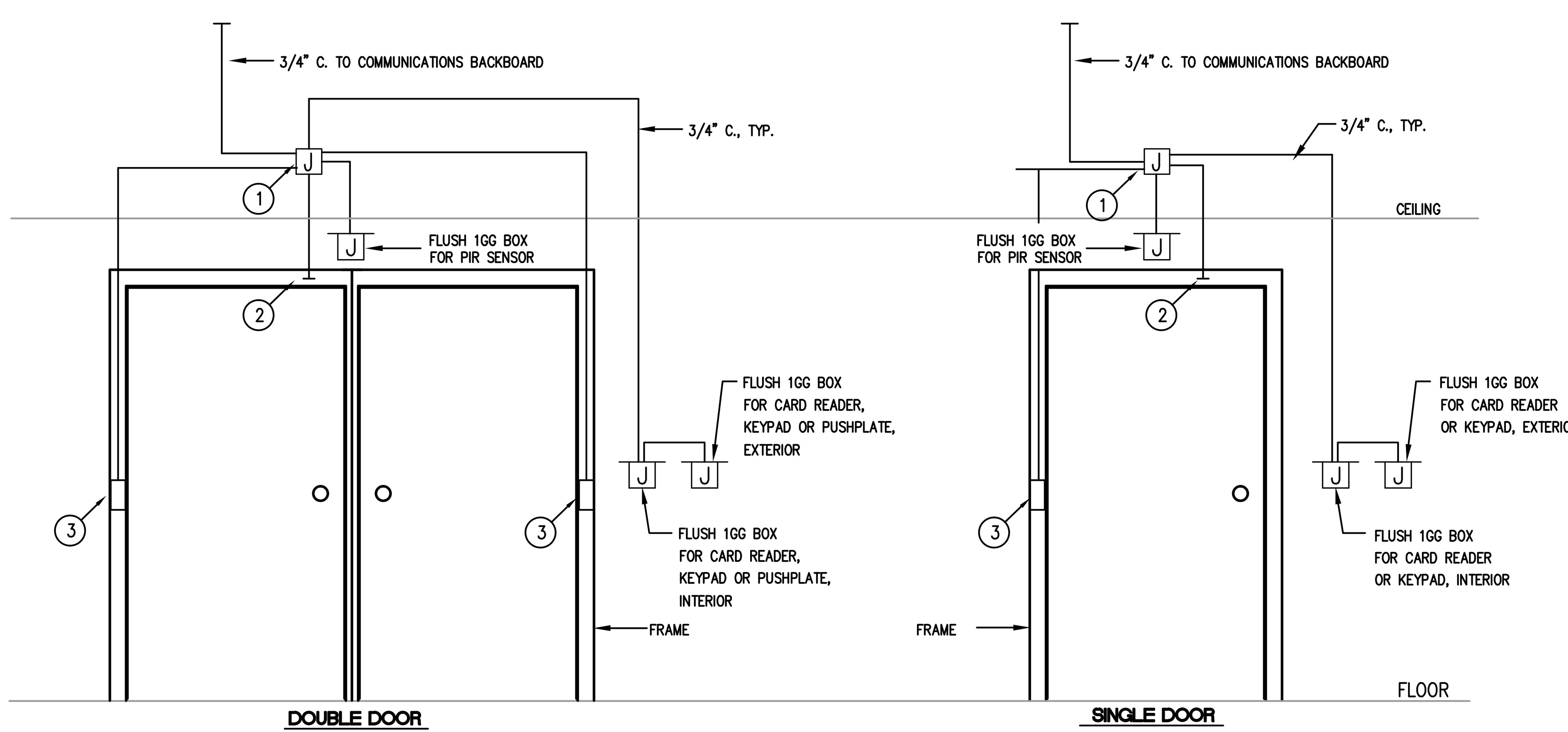
DEMAND FACTORS

		C. LOAD	DEMAND	D. LOAD
LIGHTING	L	0	100%	0
RECEPTACLE	R	0	*	0
HVAC	H	45868	80%	36694.4
KITCHEN	K	0	65%	0
MOTOR	M	16661	100%	16661
NON-CONTINUOUS	N	11285	100%	11285
CONTINUOUS	C	0	125%	0
PANEL	#	0	0%	0

LOAD SUMMARY
CONNECTED: 73814 VA : 205 A
DEMAND: 64640 VA : 180 A

PHASE BALANCE
A 30%
B 36%
C 35%

AVG. DMD 87.57%



ACCESS CONTROL DETAIL KEYNOTES

1. 4" SQ. JUNCTION BOX MOUNTED ABOVE CEILING.
2. STUB 3/4" CONDUIT INTO DOOR FRAME FOR DOOR CONTACTS.
3. ROUTE 3/4" CONDUIT INSIDE DOOR FRAME TO MORTAR BOX FOR CONNECTION TO ELECTRIC POWER TRANSFER SWITCH.

GENERAL NOTES – ACCESS CONTROL SYSTEM

1. DETAIL IS SHOWN FOR ESTIMATING PURPOSES ONLY. COORDINATE OUTLET LOCATIONS WITH OWNER AND ARCHITECT PRIOR TO ROUGH–IN.
2. ACCESS SYSTEM CARD READERS, KEYPADS, PIR SENSORS, ETC. PROVIDED BY OWNER OR UNDER DOOR HARDWARE SECTION, UNLESS NOTED OTHERWISE.
3. CABLING SHALL BE PROVIDED BY OWNER OR UNDER DOOR HARDWARE SECTION, UNLESS NOTED OTHERWISE.

FURNISH AND INSTALL ACCESS CONTROL SYSTEM PROVISIONS UNDER BASE BID. DELETE IF DEDUCTIVE ALTERNATE IS TAKEN.

1 / E0.5 ACCESS CONTROL DETAIL
SCALE: NONE

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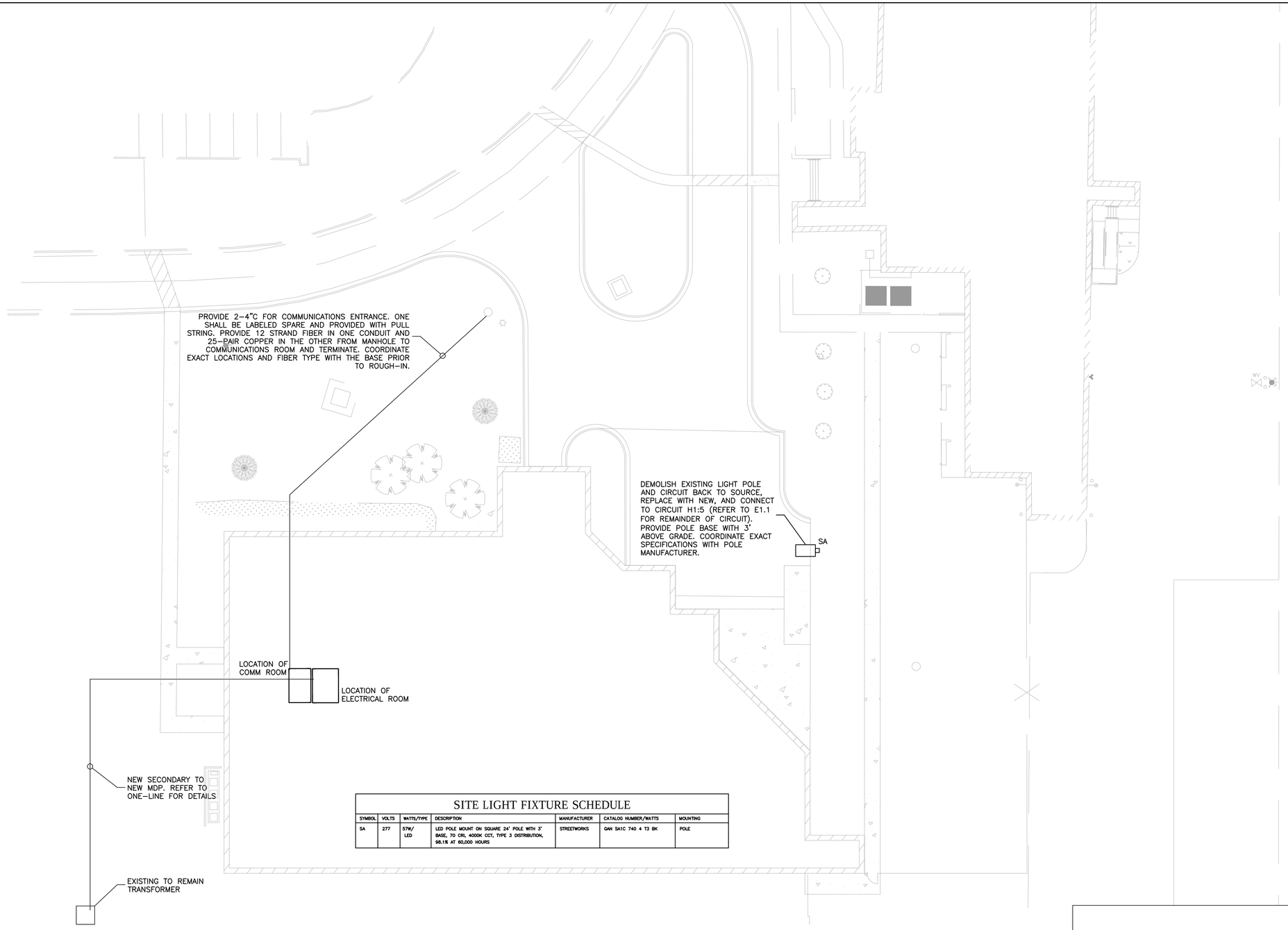
E0.5



SITE LIGHT FIXTURE SCHEDULE

SYMBOL	VOLTS	WATTS/TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER/WATTS	MOUNTING
SA	277	57W/ LED	LED POLE MOUNT ON SQUARE 24" POLE WITH 3' BASE, 70 CRI, 4000K CCT, TYPE 3 DISTRIBUTION, 98.1% AT 60,000 HOURS	STREETWORKS	GAN SA1C 740 4 T3 BK	POLE

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

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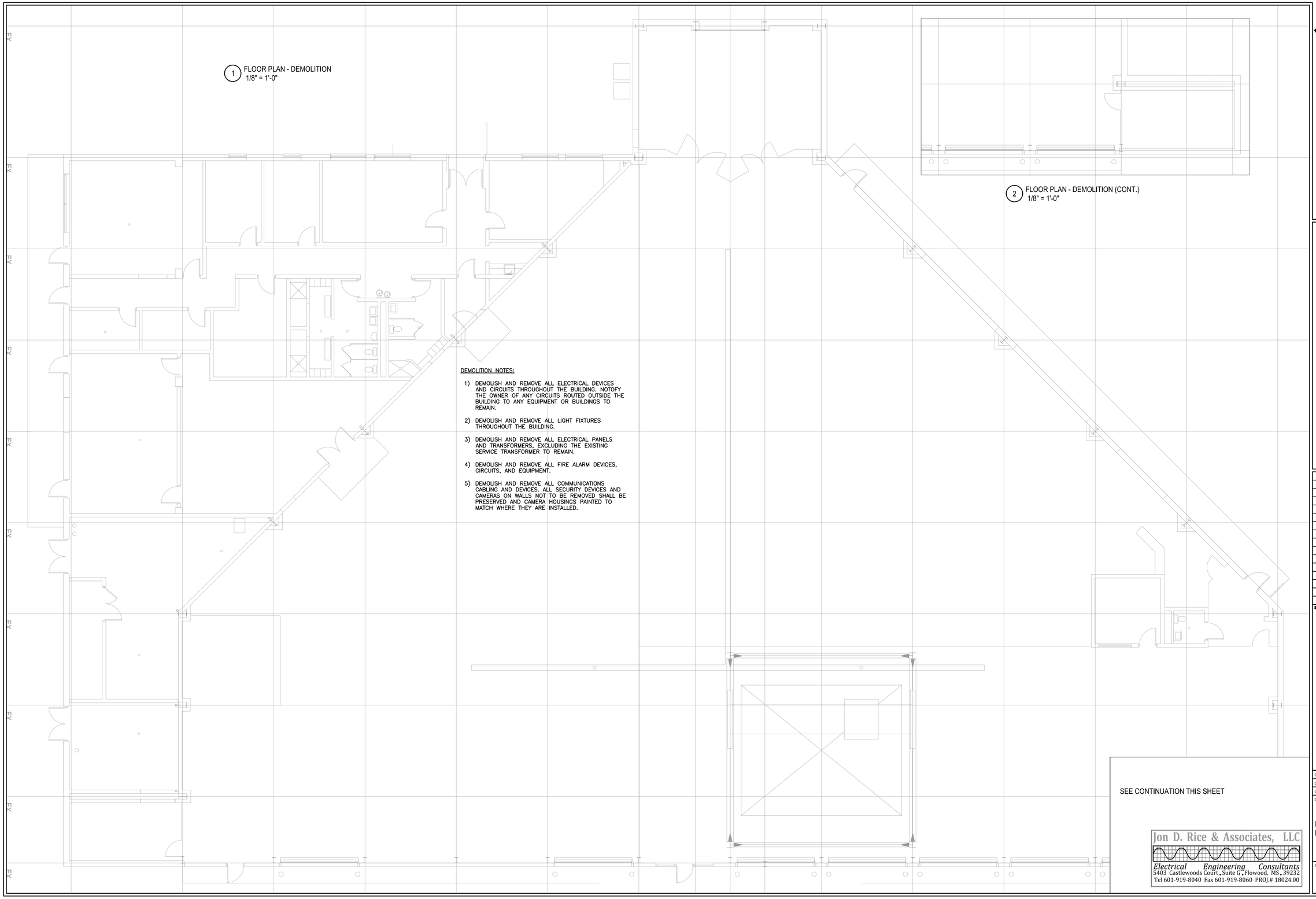
SITE PLAN - ELECTRICAL

SHEET NUMBER

ES1.0



DEMOLITION NOTES:

1) DEMOLISH AND REMOVE ALL ELECTRICAL DEVICES AND CIRCUITS THROUGHOUT THE BUILDING. NOTOFY THE OWNER OF ANY CIRCUITS ROUTED OUTSIDE THE BUILDING TO ANY EQUIPMENT OR BUILDINGS TO REMAIN.

2) DEMOLISH AND REMOVE ALL LIGHT FIXTURES THROUGHOUT THE BUILDING.

3) DEMOLISH AND REMOVE ALL ELECTRICAL PANELS AND TRANSFORMERS, EXCLUDING THE EXISTING SERVICE TRANSFORMER TO REMAIN.

4) DEMOLISH AND REMOVE ALL FIRE ALARM DEVICES, CIRCUITS, AND EQUIPMENT.

5) DEMOLISH AND REMOVE ALL COMMUNICATIONS CABLING AND DEVICES. ALL SECURITY DEVICES AND CAMERAS ON WALLS NOT TO BE REMOVED SHALL BE PRESERVED AND CAMERA HOUSINGS PAINTED TO MATCH WHERE THEY ARE INSTALLED.

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FLOOR PLAN - DEMOLITION

SHEET NUMBER

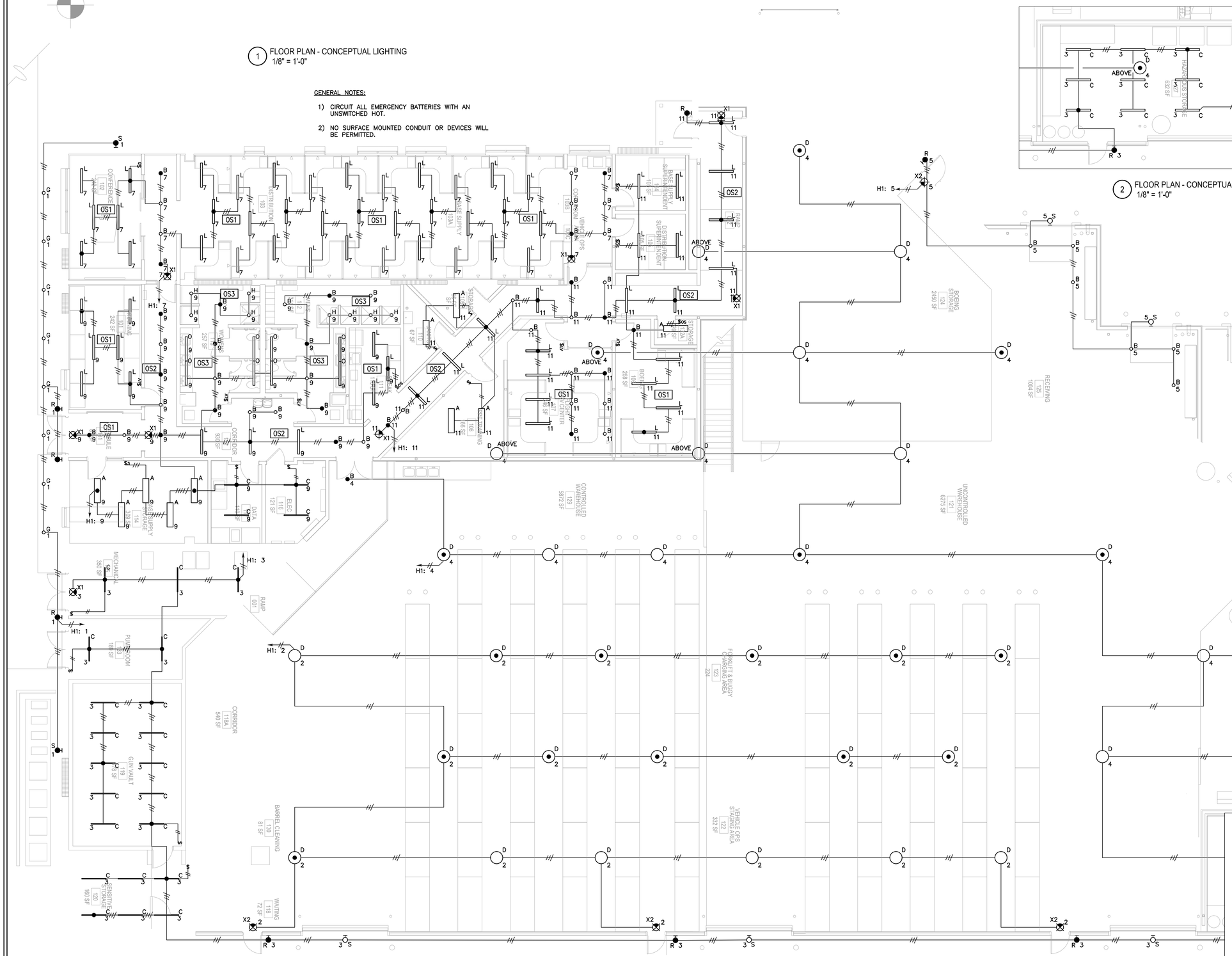
ED1.0

1 FLOOR PLAN - CONCEPTUAL LIGHTING
1/8" = 1'-0"

GENERAL NOTES:

1) CIRCUIT ALL EMERGENCY BATTERIES WITH AN UNSWITCHED HOT.

2) NO SURFACE MOUNTED CONDUIT OR DEVICES WILL BE PERMITTED.



2 FLOOR PLAN - CONCEPTUAL LIGHTING (CONT.)
1/8" = 1'-0"

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FLOOR PLAN - LIGHTING

SHEET NUMBER

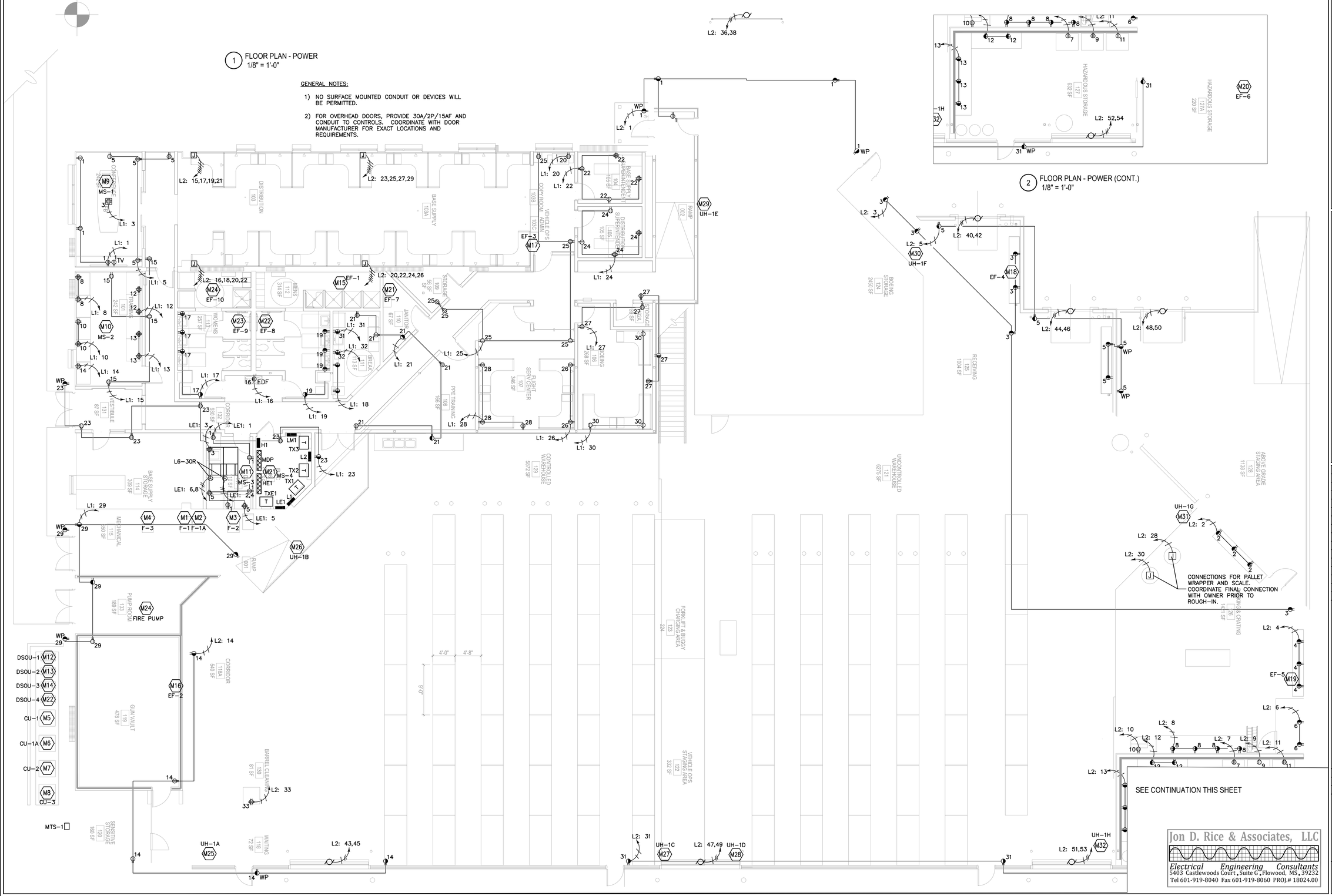
E1.1

1 FLOOR PLAN - POWER
1/8" = 1'-0"

GENERAL NOTES:

1) NO SURFACE MOUNTED CONDUIT OR DEVICES WILL BE PERMITTED.

2) FOR OVERHEAD DOORS, PROVIDE 30A/2P/15AF AND CONDUIT TO CONTROLS. COORDINATE WITH DOOR MANUFACTURER FOR EXACT LOCATIONS AND REQUIREMENTS.



2 FLOOR PLAN - POWER (CONT.)
1/8" = 1'-0"

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SHEET NUMBER

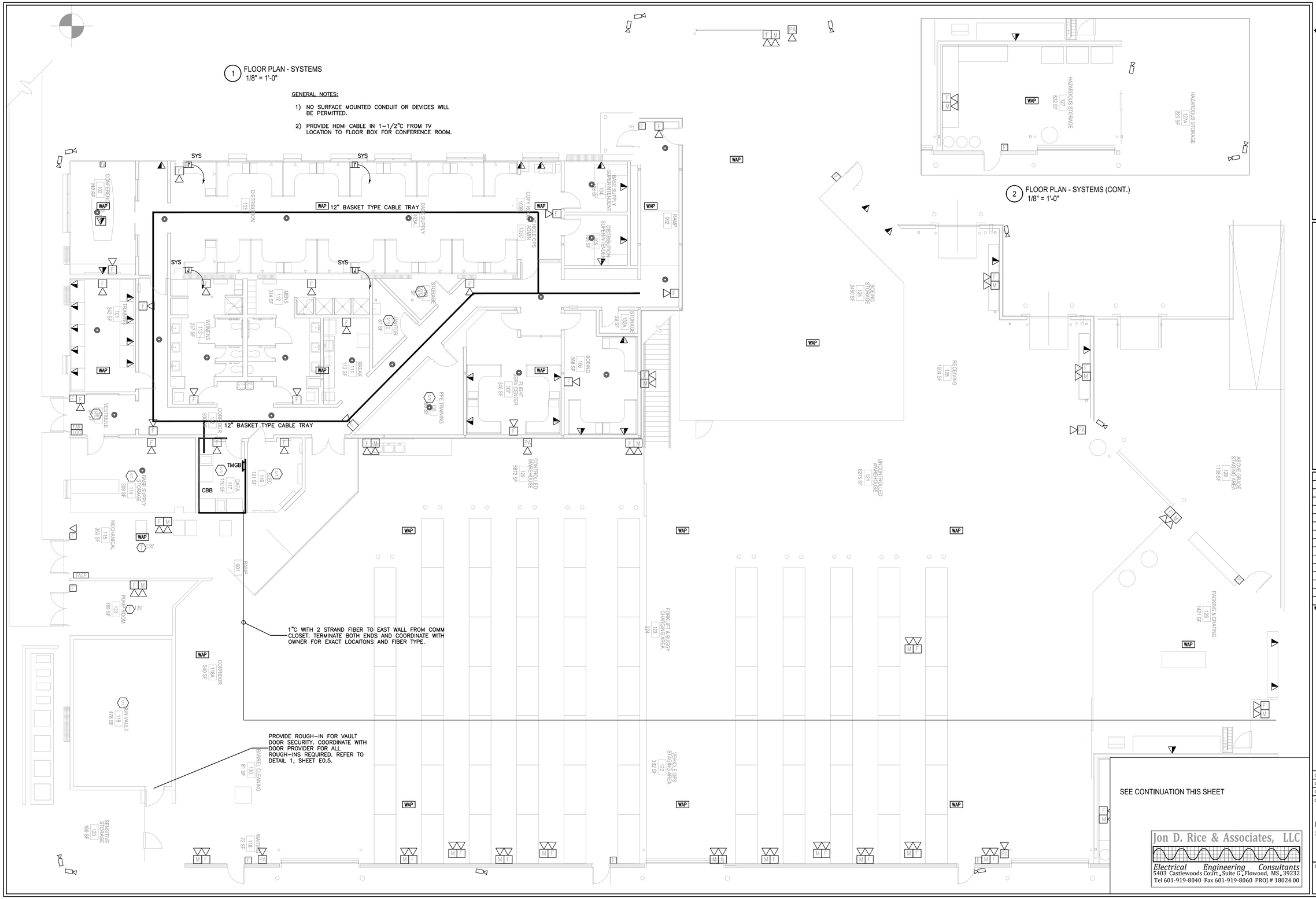
E2.1

1 FLOOR PLAN - SYSTEMS
1/8" = 1'-0"

GENERAL NOTES:

1) NO SURFACE MOUNTED CONDUIT OR DEVICES WILL BE PERMITTED.

2) PROVIDE HDMI CABLE IN 1-1/2"C FROM TV LOCATION TO FLOOR BOX FOR CONFERENCE ROOM.



2 FLOOR PLAN - SYSTEMS (CONT.)
1/8" = 1'-0"

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E3.1