THIS SET OF PLANS TO BE AVAILABLE ON JOB SITE DURING CONSTRUCTION. TO COMPLY WITH 2018 IBC AND 2017 ICC/ANSI 117.1

Municipal Inspection Partners
Review-Enforce-Inspect

Suite #681411
Franklin, Tennessee 37064
615-716-8111
www.mipnashvillecom
apieri@mipnashville.com

STATEMENT OF COMPLIANCE LETTER

THIRD PARTY PLAN REVIEW
AS NOTED HERE ON
DEPARTMENT OF CODES AND BUILDING SAFETY
THIS SET OF PLANS SHALL BE PRINTED AND AVAILABLE ON THE JOBSITE DURING CONSTRUCTION.
The plan review for this project was conducted by a third party plan review service - any oversight by the reviewer or designer shall not be considered as authority to violate, set aside, cancel, ignore, or alter applicable codes and ordinances.
Approval of any third party review does not automatically guarantee the issuance of the permit - the permit will be issued upon the completion of all City reviews necessary for the project and payment of required fees.
Approval is contingent upon satisfactory performance and inspection and is limited to the scope of work identified in the submitted documents.
REVIEWED BY: MIP DATE: 2/11/2025
Permit ID Number: 2024038209

1.24.25

Wes Hunt
Rose Construction, Inc.
2217 NW Broad St, Murfreesboro, TN 37129
w.hunt@roseconstruction.com

RE: **Thompson Machinery Briley Parkway**
3366 Briley Park Blvd South, Nashville, TN 37207

Referenced Codes/Standards: 2018 International Building Code (IBC) w/ amendments
2018 International Existing Building Code (IEBC) w/amendments
2018 International Mechanical Code (IMC) w/amendments
2018 International Fuel Gas Code (IFGC) w/amendments
2018 NFPA 58 Liquefied Petroleum Gas Code w/amendments
2018 Fire Code of Nashville & Davidson Co. (NFPA 1) w/amendments
2018 International Fire Code w/amendments
2018 NFPA 1 Fire Code w/amendments
2018 NFPA 101 Life Safety Code w/amendments
2017 National Electrical Code (NEC) w/amendments
2018 International Energy Conservation Code (IECC) w/amendments
2018 International Plumbing Code (IPC) w/amendments
2017 Accessible and Usable Buildings and Facilities (ICC A117.1)

COMCHECK ENERGY REPORTS ADDED TO FILE 2/11/2025.

We have completed our review of the drawings submitted for the above-referenced project. The drawings are **RECOMMENDED FOR APPROVAL** at this time.

This plan review was performed by ***Municipal Inspection Partners***. Every effort has been made to identify all code deficiencies. However, failure to identify a code deficiency during plan review does not alleviate any obligation to comply with all applicable code provisions. If you have any questions concerning items in this review, please contact me.

Sincerely,

Scott Berg MCP
Combination Plan Reviewer/Inspector
Municipal Inspection Partners, Inc.
scottb@mipnashville.com

NFD FIRE MARSHAL

A New Facility for

THOMPSON MACHINERY

3368 Briley Park Boulevard South

Nashville, Tennessee

CACN 2024038209

NASHVILLE FIRE DEPARTMENT
FIRE PREVENTION DIVISION

THIS SET OF PLANS WAS REVIEWED BY AN OWNER CONTRACTED THIRD-PARTY REVIEW SERVICE.

OWNER IS RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE CODES, STANDARDS, REGULATIONS, RULES, LAWS, AND ORDINANCES.

THIS SET OF PLANS SHALL REMAIN ON SITE THROUGHOUT THE CONSTRUCTION AND INSPECTION PROCESS

02/04/2025

TO SCHEDULE FIRE INSPECTION EMAIL:

FMOREQUESTS@NASHVILLE.GOV

PRIMARY OCCUPANCY TYPE S-1
MOTOR VEHICLE REPAIR GARAGE

PETER H. METTS REGISTERED ARCHITECT STATE OF TENNESSEE
07/31/2024

ROSE CONSTRUCTION
2217 NW Broad St. - Murfreesboro, TN
(615) 898-8370

MONTGOMERY ENGINEERING PLLC
Electrical and Mechanical Construction Engineers
114C West Main Street, Gallatin, TN 37066
615.230.9089 www.montgomeryengineering.com

A · E · I
ARCHITECTS AND PLANNERS
57 WEST BROAD STREET, SUITE 200
COOKEVILLE, TN 38501
PH: (931) 528-6516
www.archenginc.com

BOUTON ENGINEERING
Structural & Civil Consulting

CODE COMPLIANCE

1. 2018 INTERNATIONAL BUILDING CODE w/ LOCAL AMENDMENTS
2. 2018 INTERNATIONAL ENERGY CONSERVATION CODE
3. 2017 ICC/ANSI A-117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
4. 2018 INTERNATIONAL PLUMBING CODE w/ LOCAL AMENDMENTS
5. 2018 INTERNATIONAL MECHANICAL CODE w/ LOCAL AMENDMENTS
6. 2018 INTERNATIONAL FUEL GAS CODE w/ LOCAL AMENDMENTS
7. 2017 NATIONAL ELECTRICAL CODE w/ LOCAL AMENDMENTS
8. 2012 INTERNATIONAL FIRE CODE w/ LOCAL AMENDMENTS
9. 2018 LIFE SAFETY CODE (NFPA 101NFPA 1) w/ LOCAL AMENDMENTS
10. 1998 METROPOLITAN COMPREHENSIVE ZONING ORDINANCE

NONDISCRIMINATION STATEMENT
ALL DESIGN AND CONSTRUCTION SHALL BE IN FULL COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE JUSTICE DEPARTMENTS STANDARD FOR ACCESSIBLE DESGIN (JDSAD), INITIALLY SET FORTH IN 28CFR36 APP.A EFFECTIVE AT THE DATE OF IMPLEMENTATION.

CODE ANALYSIS

OCCUPANCY CLASSIFICATION: BUSINESS

TYPE OF CONSTRUCTION: IIB
- CONCRETE SLAB ON GRADE
- PRE-ENGINEERED STEEL FRAME
- METAL NON-LOAD BEARING STUD WALLS
- STEEL PURLINS w/STANDING SEAM METAL ROOF
- EXTERIOR METAL WALL PANELS
- EXTERIOR ALUMINUM COMPOSITE WALL PANELS

PROTECTED, SPRINKLERED

AREA AND HEIGHT LIMITATIONS

EXISTING OVERALL BUILDING	PROVIDED	ALLOWABLE
SQUARE FOOTAGE:	44,260 sf	60,000 sf
MAIN FLOOR: 37,677 sf		
UPPER FLOOR: 6,583 sf		
BUILDING HEIGHT:	39'	75'
NO. OF STORIES:	2	4

OCCUPANT LOAD (AFFECTED AREA) 321

MAIN FLOOR		
BUSINESS	3,825 SF / 100	39 OCC.
ASSEMBLY	340 SF / 15	23 OCC.
STORAGE	30,736 SF / 300	103 OCC.
UPPER FLOOR		
BUSINESS	2,634 SF / 100	27 OCC.
ASSEMBLY	1,935 SF / 15	129 OCC.

PLUMBING REQUIREMENTS
161 OCCUPANTS (MEN)
160 OCCUPANTS (WOMEN)

WATER CLOSETS
1 PER 25 FOR FIRST 50 AND 1 PER 50 FOR REMAINDER
(EVENLY SEPARATED BETWEEN MEN & WOMEN)

	REQUIRED	PROVIDED
MEN	5	7
WOMEN	5	4

LAVATORIES
1 PER 40 FOR FIRST 80 AND 1 PER 80 FOR REMAINDER
(EVENLY SEPARATED BETWEEN MEN & WOMEN)

	REQUIRED	PROVIDED
MEN	4	6
WOMEN	3	3

PROJECT CONTACTS & NUMBERS

ARCHITECTURAL DESIGN
AEI
57 WEST BROAD, SUITE 200
COOKEVILLE, TN 38501
931 528 6516 PHONE
931 528 3748 FAX
PETER METTS
pmetts@archenginc.com

STRUCTURAL ENGINEERING
BOUTON ENGINEERING
420 NORTH WASHINGTON AVENUE, SUITE 7
COOKEVILLE, TN 38501
931 252 2147 PHONE
GARY BOUTON
gary@boutonconsult.com

MECHANICAL & PLUMBING ENGINEERING
MONTGOMERY ENGINEERING, PLLC
1191 NASHVILLE PIKE
GALLATIN, TN 37066
615 230 9089 PHONE
FRANK MONTGOMERY
frank@montgomeryengineering.com

ELECTRICAL ENGINEERING
MONTGOMERY ENGINEERING, PLLC
1191 NASHVILLE PIKE
GALLATIN, TN 37066
615 230 9089 PHONE
ROBERT MONTGOMERY
robert@montgomeryengineering.com

1/30/2027 NEED DARK SKY & COMCHECK REPORTS FOR COMMERCIAL PLANS REVIEW.

MIP Municipal Inspection Partners
Review-Enforce-Inspect
Suite #681411
Franklin, Tennessee 37064
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apeer@mipnashville.com

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We have completed our review of the drawings submitted for the above-referenced project. The drawings are RECOMMENDED FOR APPROVAL at this time.

This plan review was performed by ***Municipal Inspection Partners***. Every effort has been made to identify all code deficiencies. However, failure to identify a code deficiency during plan review does not alleviate any obligation to comply with all applicable code provisions. If you have any questions concerning items in this review, please contact me.

Sincerely,

Scott Berg MCP
Combination Plan Reviewer/Inspector
Municipal Inspection Partners, Inc.
scottb@mipnashville.com

REVISIONS
1 08/19/2024 - REVIEW RESPONSE & OWNER REQUESTED CHANGES

NFD FIRE MARSHAL

INDEX OF DRAWINGS

SHEET NUMBER	SHEET DESCRIPTION	SHEET ISSUE DATE	REV # & DESCRIPTION	REVISION ISSUE DATE
	COVER SHEET	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/19/2024
INDEX	INDEX OF DRAWINGS	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/19/2024

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LS1.2	UPPER FLOOR LIFE SAFETY PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/19/2024
A1.1	MAIN FLOOR PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/19/2024
A1.1.1	MAIN FLOOR ENLARGED PARTIAL FLOOR PLANS	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/19/2024
A1.2	UPPER FLOOR PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/19/2024
A1.2.1	UPPER FLOOR ENLARGED PARTIAL FLOOR PLANS	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/19/2024
A2.1	MAIN FLOOR REFLECTED CEILING PLAN	07/19/2024		
A2.2	UPPER FLOOR REFLECTED CEILING PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/19/2024
A3.1	ROOF PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/19/2024
A4.1	BUILDING ELEVATIONS	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/19/2024
A5.1	INTERIOR ELEVATIONS	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/19/2024
A6.1	BUILDING SECTION	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/19/2024
A6.2	BUILDING SECTION	08/19/2024		
A7.1	WALL SECTIONS	07/19/2024		
A7.2	WALL SECTIONS	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/19/2024
A7.3	WALL SECTIONS	07/19/2024		
A7.4	STAIR SECTION	08/19/2024		
A9.1	FINISH & DOOR SCHEDULES, DOOR ELEVATIONS	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/19/2024
A9.3	DOOR ELEVATIONS	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/19/2024
A9.2	DOOR ELEVATIONS, WINDOW SCHEDULE & ELEVATIONS	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/19/2024

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S-1.0	FOUNDATION PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/19/2024
S-2.0	SECOND LEVEL FRAMING PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/19/2024
S-3.0	FOUNDATION DETAILS	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/19/2024
S-3.1	FOUNDATION DETAILS	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/19/2024
S-4.0	FLOOR FRAMING DETAILS		REV1 – REVIEW RESPONSE/OWNER CHANGES	08/19/2024
S-4.1	FLOOR FRAMING DETAILS		REV1 – REVIEW RESPONSE/OWNER CHANGES	08/19/2024

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M1.0	OVERALL MAIN FLOOR MECHANICAL PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024
M1.1	ENLARGED MAIN FLOOR MECHANICAL PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024
M1.2	ENLARGED UPPER FLOOR MECHANICAL PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024
M1.3	AIR PIPING PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024
M2.1	MAIN FLOOR GAS PIPING PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024
M2.2	ROOF MECHANICAL / UPPER FLOOR GAS PIPING PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024

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P0.2	SANITARY SEWER / VENT PIPING ISOMETRIC	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024
P1.0	OVERALL MAIN FLOOR PLUMBING PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024
P1.1	ENLARGED MAIN FLOOR PLUMBING PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024
P1.2	ENLARGED UPPER FLOOR PLUMBING PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024

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E0.1	ELECTRICAL SCHEDULES	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024
E0.2	PANEL BOARD SCHEDULES	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024
E1.0	OVERALL MAIN FLOOR ELECTRICAL LIGHTING PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024
E1.1	ENLARGED MAIN FLOOR ELECTRICAL LIGHTING PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024
E1.2	ENLARGED UPPER FLOOR ELECTRICAL LIGHTING PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024
E2.0	OVERALL MAIN FLOOR ELECTRICAL POWER PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024
E2.1	ENLARGED MAIN FLOOR ELECTRICAL POWER PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024
E2.2	ENLARGED UPPER FLOOR ELECTRICAL POWER PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024
E2.3	ELECTRICAL SITE PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024
E3.1	MAIN FLOOR FIRE ALARM PLAN & SCHEDULES	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024
E3.2	UPPER FLOOR FIRE ALARM PLAN	07/19/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024
SL1.1	SITE LIGHTING PHOTOMETRIC PLAN	07/19/2024		
MPE	MECHANICAL, PLUMBING & ELECTRICAL SPECIFICATIONS		REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024

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F0.1	FIRE PROTECTION – SITE DETAIL PLAN	07/16/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024
F1.1	FIRE PROTECTION – FLOOR PLANS	07/16/2024	REV1 – REVIEW RESPONSE/OWNER CHANGES	08/16/2024

1

A NEW FACILITY FOR
THOMPSON MACHINERY
3368 BRILEY PARK BOULEVARD SOUTH
NASHVILLE, TENNESSEE

ROSE CONSTRUCTION
2217 NW Broad St. - Murfreesboro, TN
(615) 898-8370

REVISIONS
1 08/19/2024 - REVIEW RESPONSE & OWNER REQUESTED CHANGES

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ARCHITECTS AND PLANNERS
57 WEST BROAD STREET, SUITE 200
COOKEVILLE, TN 38501
PH: (615) 528-4516
www.aeiengineers.com

INDEX

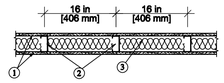
File #: 1376-Coversheet.dwg
Drawing Name: INDEX OF DRAWINGS
Date: 07/19/2024
Drawn By: JIM

PETER R. METTS REGISTERED ARCHITECT AGRICULTURE COOKEVILLE TENNESSEE No. 20960 STATE OF TENNESSEE
07/19/2024

UL #U301

DESIGN NO. U301

NON-LOAD BEARING WALL RATING - 1 HOUR

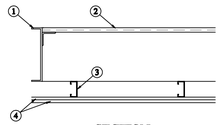


HORIZONTAL SECTION

1. GYPSUM BOARD: 5/8 IN. THICK, TYPE 'X' GYPSUM BOARD APPLIED HORIZONTALLY OR VERTICALLY
2. METAL STUDS: 2"x4" or 2"x8" STUDS, SPACED 16 IN. O.C
3. INSULATION: 3-1/2 IN. or 7-1/2 IN. THICK FIBERGLASS

Section 722.6.2.3 CALCULATED FIRE RESISTANCE

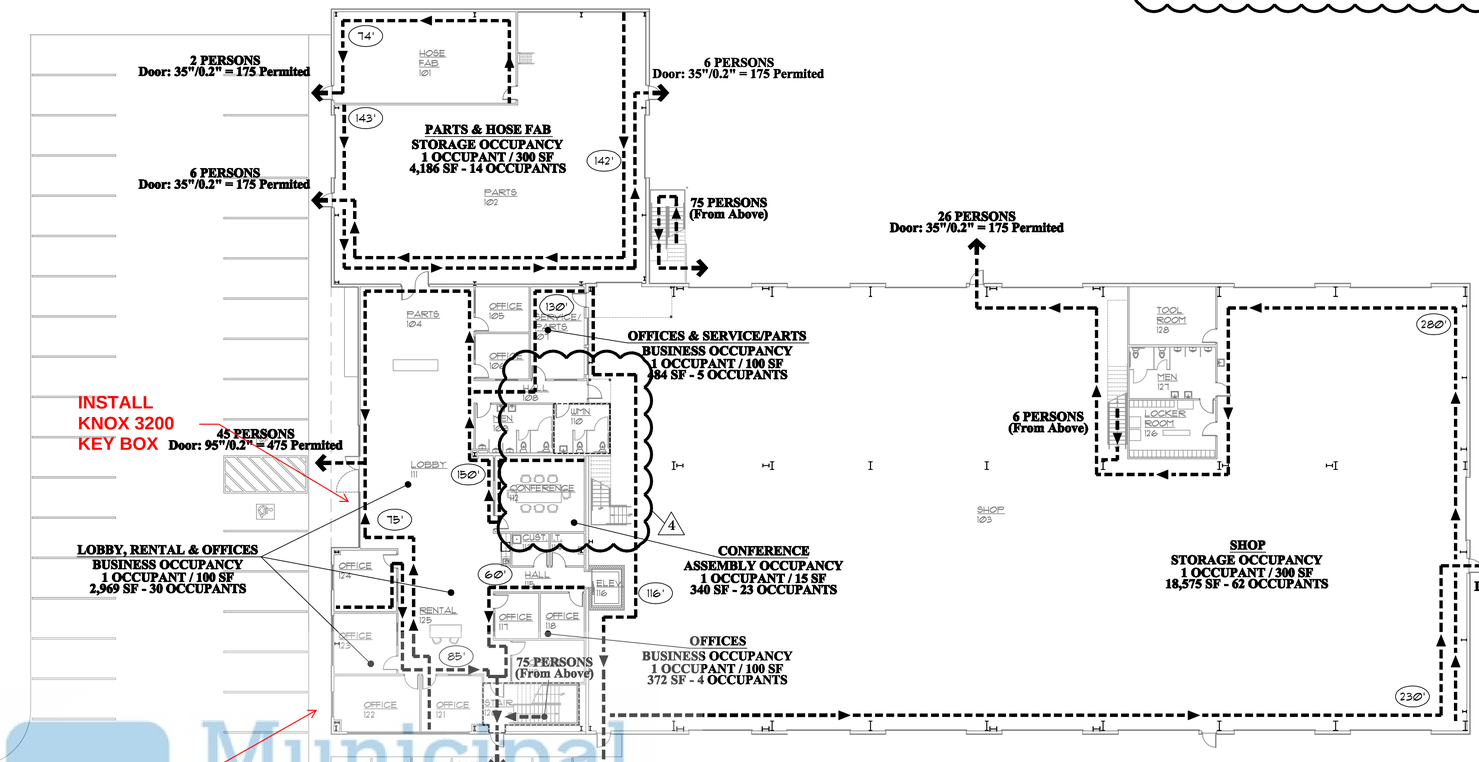
CEILING ASSEMBLY
ENCLOSED AREA UNDER STAIR
1 HOUR
EXPOSURE PROTECTION FROM BELOW



SECTION

1. STEEL CHANNEL
2. OPEN GRATE STEEL STAIR LANDING
3. 2"x4" METAL STUDS, SPACED 24" O.C.
4. 2 LAYERS, 5/8 IN. THICK, MOISTURE RESISTANT TYPE 'X' GYPSUM BOARD — 80 min.

4



KNOX

Knox® Rapid Entry System Products Needed

Image	Description	Part Number / Color	Quantity Needed
	Knox-Box® 3200 Series, Hinged Door, Surface Mount, Tamper Switch	3262	Black
		3264	Aluminum
		3266	Dark Bronze
	Knox-Vault® 4400 Series, Sledge Lock, Surface Mount, Tamper Switch	4402	Black
		4410	Aluminum
		4414	Dark Bronze
	Knox® FDC Plug with Tamper Alarm™, Swivel Base Plug	3040	
	Knox® SecureCap™ Locking Standpipe Cap	4043	
	Knox® StorGuard® Cap 4", Watertight	3001	
	Knox® StorGuard® Cap 4", Watertight	3002	
	Knox® Elevator Lobby Box with PIN ENTRY USE ONLY Service	1083	Red
		1084	Aluminum
		1436	Dark Bronze
	Knox® Cabinets, 1-Inch Depth, Single Lock, Gray, Tamper Switch	1324	
	Knox® Padlock, Exterior all conditions	3770	
	Knox® Key Switch, Key Switch on mounting plate	3600	

To schedule appointment for inspection and lockup contact your Fire Department
Availability subject to change.

https://epermits.nashville.gov/#/verifyReCaptcha/fire

KNOX

Holds 10 keys. > 10 Keys

Knox® Rapid Entry System Products

Instructions for Online Ordering

Step 1
To Order Knox® Products, go to www.knoxbox.com
Click on the red "BUY" button and search for your responding fire department
NASHVILLE FIRE DEPT.

Step 2
Select product for purchase, enter installation address, and proceed with checkout or shipping request.

Step 3
A combination of order will also be provided to the Fire Department. Product will be shipped to you. Please contact Fire Department upon receipt to schedule inspection and lockup.

For online ordering assistance, please contact Knox at 800-552-5669 ext. 5 or click "Live Support" link on knoxbox.com Homepage.

KNOX APPROVED VENDOR:

KOORSEN FIRE AND SAFETY, INC.
(615) 227-1828

KNOX 3200 IS THE MOST COMMON KEY BOX INSTALLED AND IS SUITABLE FOR MOST OCCUPANCIES.

LARGE FACILITES MAY REQUIRE MULTIPLE KNOX KEY BOXES.

COMBINED TOTAL OCCUPANCY 294 OCCUPANTS

MAIN FLOOR

OCCUPANT LOAD - BUSINESS
1 OCCUPANT / 100 SF
3,825 SF (39 TOTAL OCCUPANTS)

OCCUPANT LOAD - ASSEMBLY
1 OCCUPANT / 15 SF
340 SF (23 TOTAL OCCUPANTS)

OCCUPANT LOAD - STORAGE
1 OCCUPANT / 300 SF
22,761 SF (76 TOTAL OCCUPANTS)

UPPER FLOOR

OCCUPANT LOAD - BUSINESS
1 OCCUPANT / 100 SF
2,505 SF (25 TOTAL OCCUPANTS)

OCCUPANT LOAD - ASSEMBLY
1 OCCUPANT / 15 SF
1,960 SF (131 TOTAL OCCUPANTS)

MAIN FLOOR LIFE SAFETY PLAN

SCALE: 1/16" = 1'-0"

---------- DENOTES 1-HR WALL RATING

A NEW FACILITY FOR
THOMPSON MACHINERY
3368 BRILEY PARK BOULEVARD SOUTH
NASHVILLE, TENNESSEE

ROSE CONSTRUCTION
2217 NW Broad St. - Murfreesboro, TN
(615) 898-8370

REVISIONS
08/19/2024 - REVIEW RESPONSE & OWNER REQUESTED CHANGES
11/15/2024 - OWNER/CONTRACTOR REQUESTED CHANGES / PSMB COORDINATION
01/07/2025 - REVIEW RESPONSE
01/16/2025 - REVIEW RESPONSE

A . E . I
ARCHITECTS AND PLANNERS
57 WEST BROAD STREET, SUITE 200
COOKEVILLE, TN 38501
PH: 931.528.6516
www.archengine.com

LS1.1

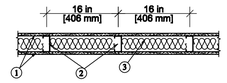
File #: 1376-LS1.1.dwg
Drawing Name: MAIN FLOOR LIFE SAFETY PLAN
Date: 07/19/2024
Drawn By: JJM

PETER H. MEITZ
REGISTERED ARCHITECT
STATE OF TENNESSEE
No. 23960
01/16/2025

UL #U301

DESIGN NO. U301

NON-LOAD BEARING WALL RATING - 1 HOUR



HORIZONTAL SECTION

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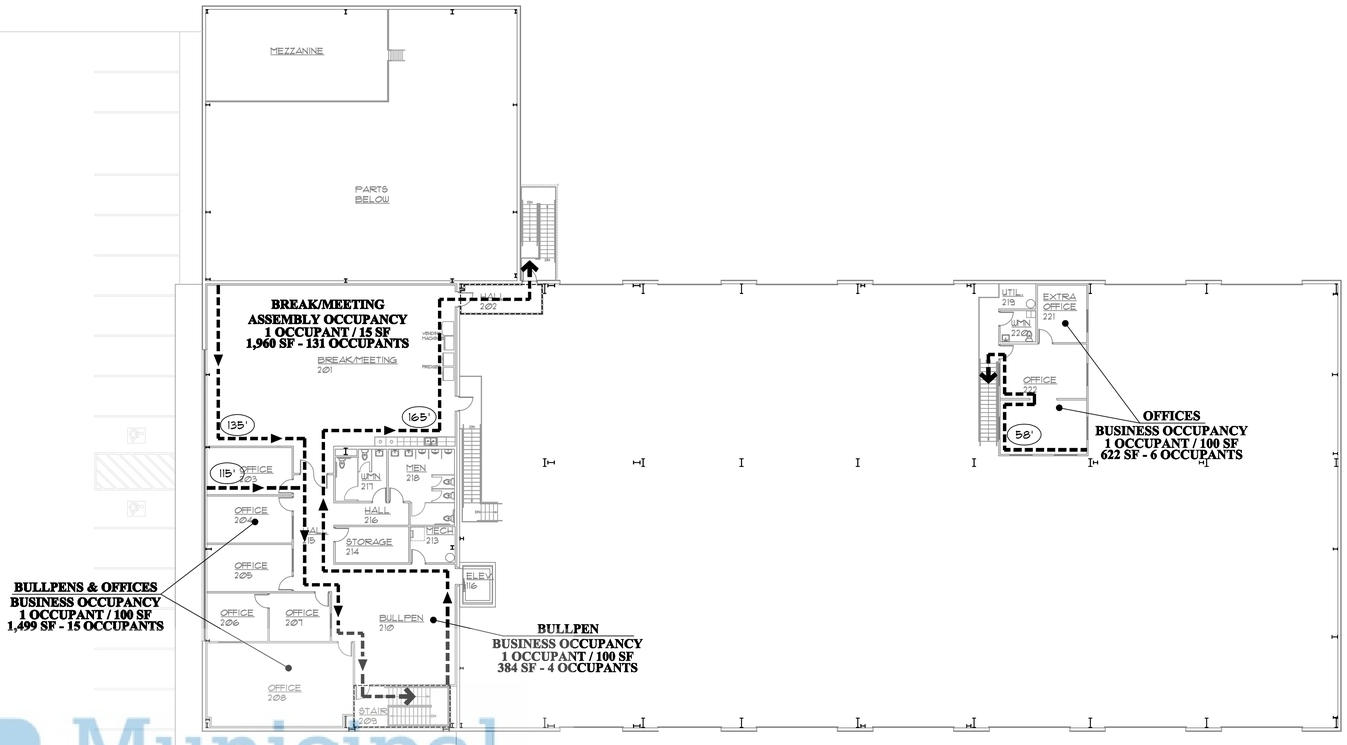
2. METAL STUDS: 3-1/2 IN. STUDS, SPACED 16 IN. O.C
3. INSULATION: 3-1/2 IN. THICK FIBER GLASS



UPPER FLOOR
TOTAL OCCUPANCY
156 OCCUPANTS

OCCUPANT LOAD - BUSINESS
1 OCCUPANT / 100 SF
2,505 SF (25 TOTAL OCCUPANTS)

OCCUPANT LOAD - ASSEMBLY
1 OCCUPANT / 15 SF
1,960 SF (131 TOTAL OCCUPANTS)

UPPER FLOOR LIFE SAFETY PLAN

SCALE: 1/16" = 1'-0"

---------- DENOTES 1-HR WALL RATING

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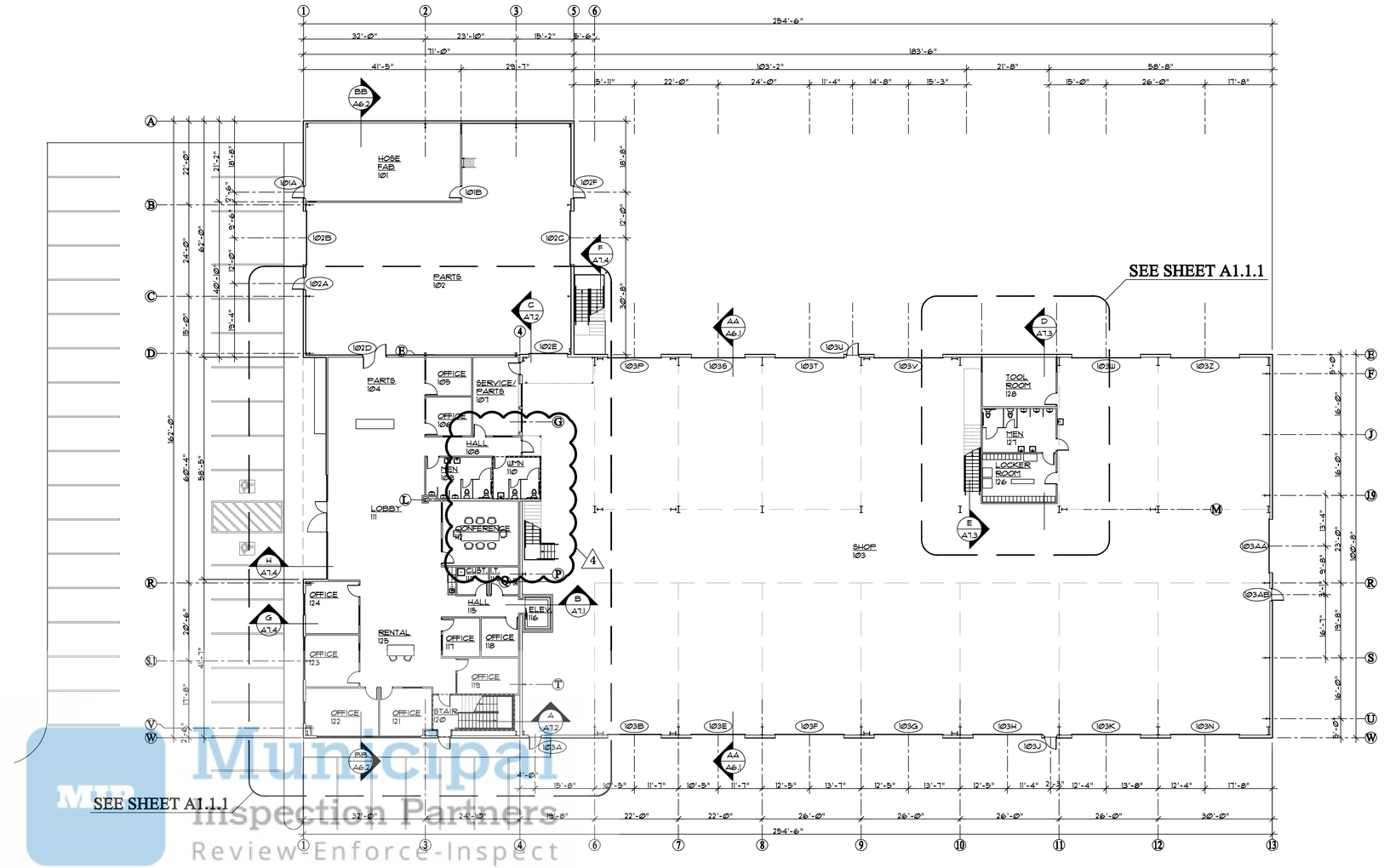
1 08/19/2024 - REVIEW RESPONSE & OWNER REQUESTED CHANGES

LS1.2

File #: 1376-LS1.2.dwg
Drawing Name: UPPER FLOOR LIFE SAFETY PLAN
Date: 07/19/2024
Drawn By: JJM

PETER H. MEITZ
REGISTERED ARCHITECT
STATE OF TENNESSEE
No. 22965
07/19/2024

1



MAIN FLOOR PLAN

SCALE: 1/16" = 1'-0"

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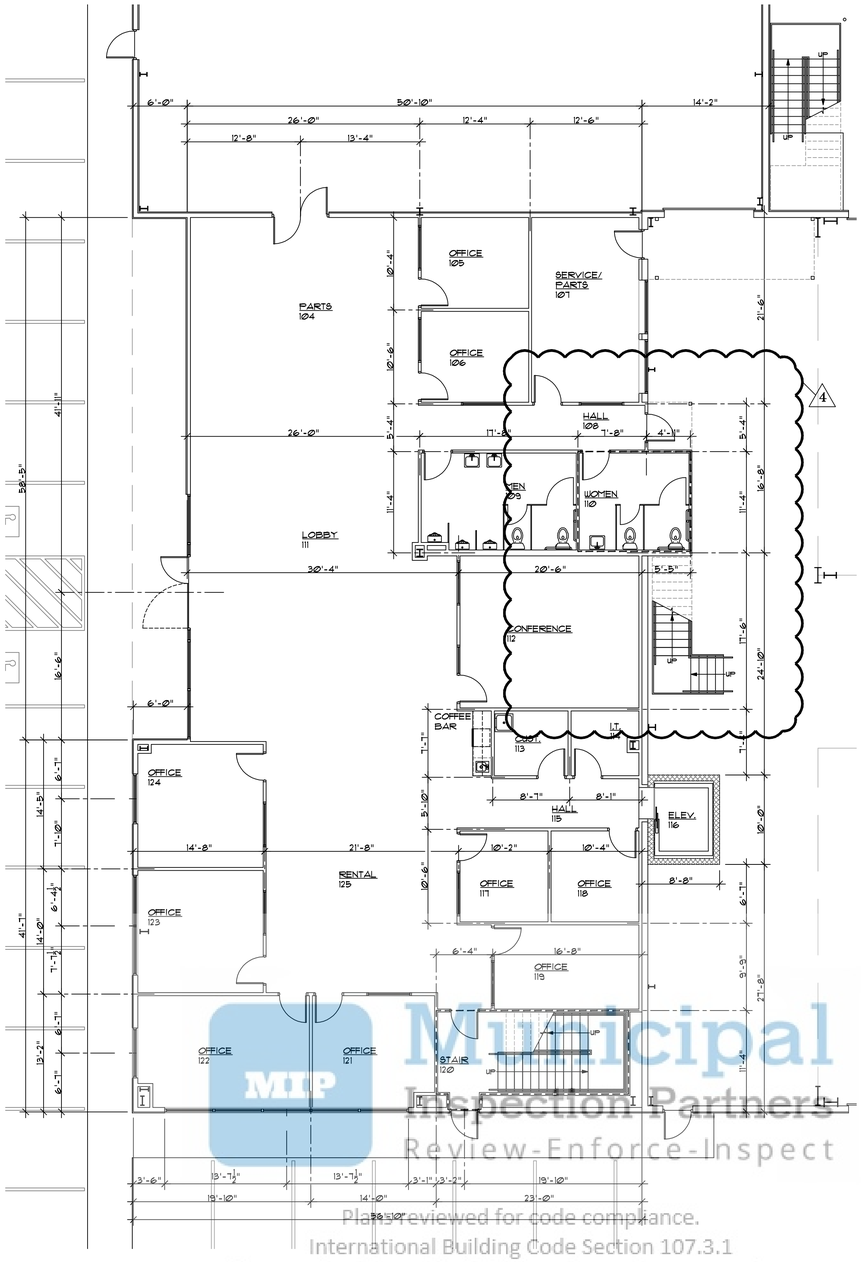
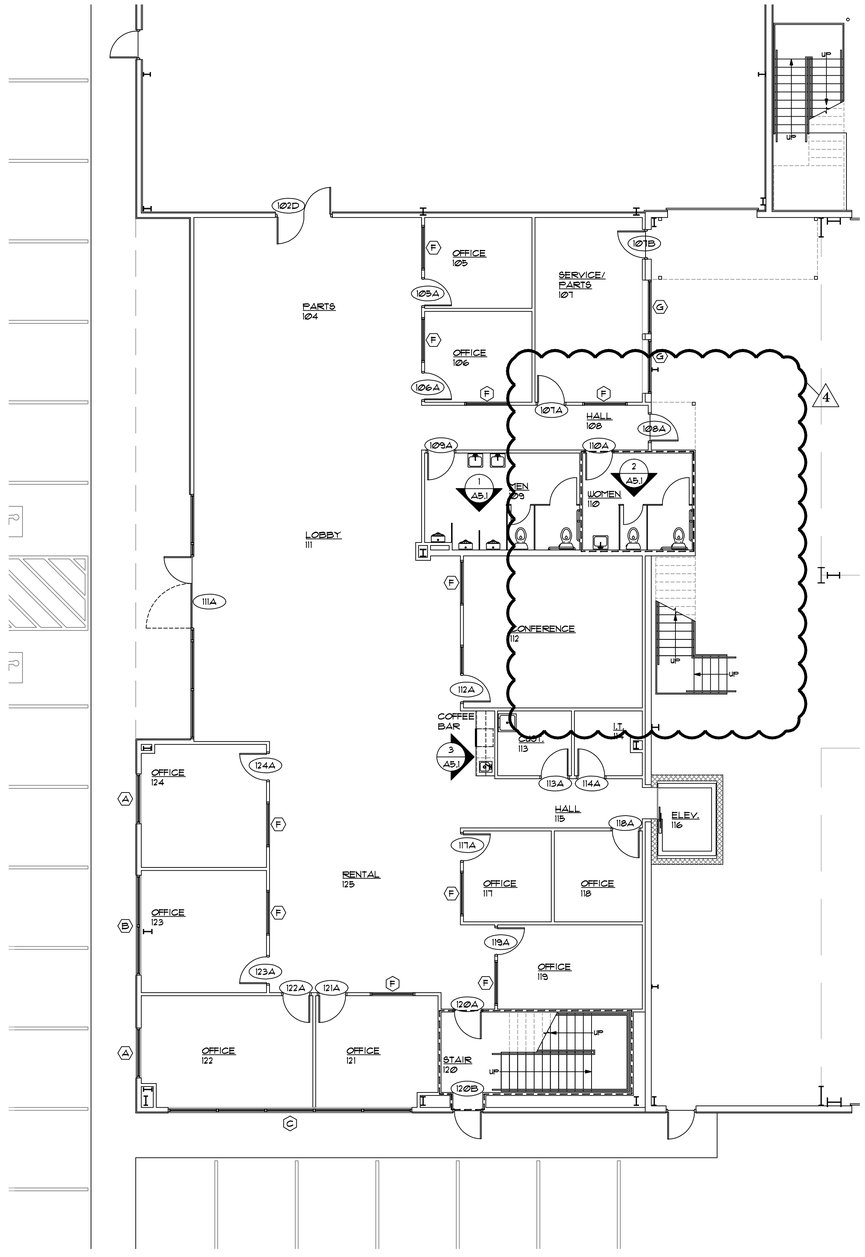
- 11/15/2024 - OWNER/CONTRACTOR REQUESTED CHANGES / FS&B COORDINATION
- 01/07/2025 - REVIEW RESPONSE
- 01/16/2025 - REVIEW RESPONSE

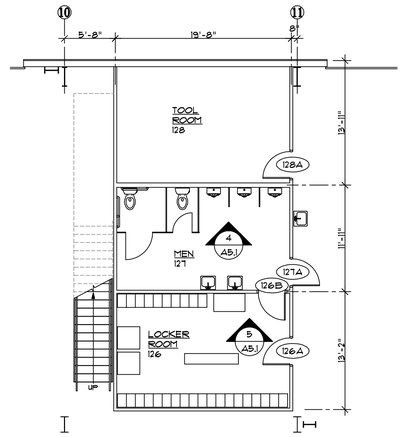
A1.1

File #: 1376-A1.1.dwg
Drawing Name: MAIN FLOOR PLAN
Date: 07/19/2024
Drawn By: PSG

PETER H. METIS — REGISTERED ARCHITECT — STATE OF TENNESSEE — No. 29990
07/19/2024







MAIN FLOOR ENLARGED PARTIAL FLOOR PLAN

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

MAIN FLOOR - DIMENSIONED ENLARGED PARTIAL FLOOR PLAN

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

----- DENOTES 1-HR WALL RATING

MAIN FLOOR - NOTED ENLARGED PARTIAL FLOOR PLAN

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

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- 01/16/2025 - REVIEW RESPONSE

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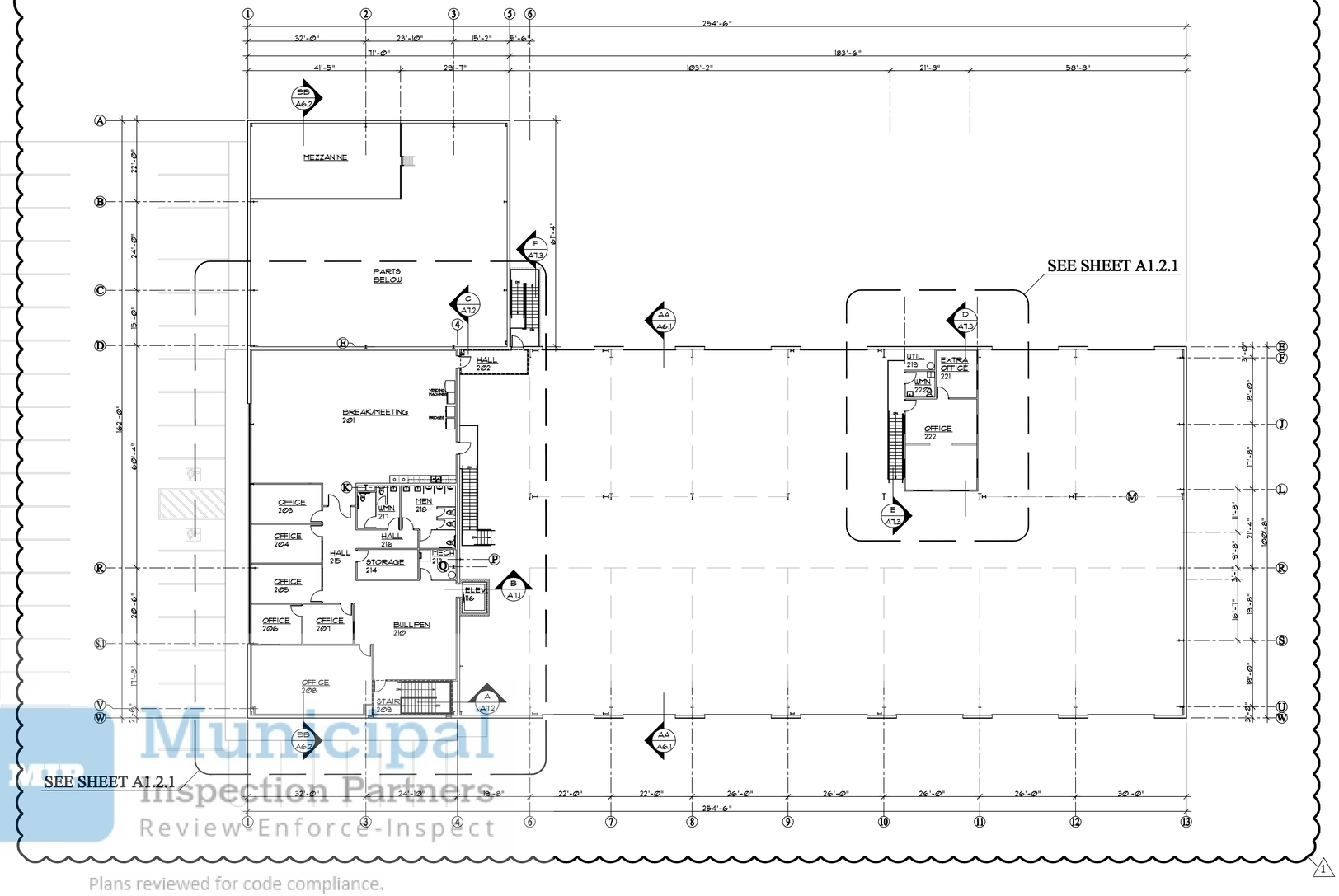
A1.1.1

File #: 13176-A1.1.dwg
Drawing Name: MAIN FLOOR - ENLARGED PARTIAL FLOOR PLANS
Date: 07/19/2024
Drawn By: PSG

PETER R. METTS
REGISTERED ARCHITECT
AGRICULTURE
COOKEVILLE
TENNESSEE
No. 20965
STATE OF TENNESSEE
07/19/2024



UPPER FLOOR PLAN

SCALE: 1/16" = 1'-0"

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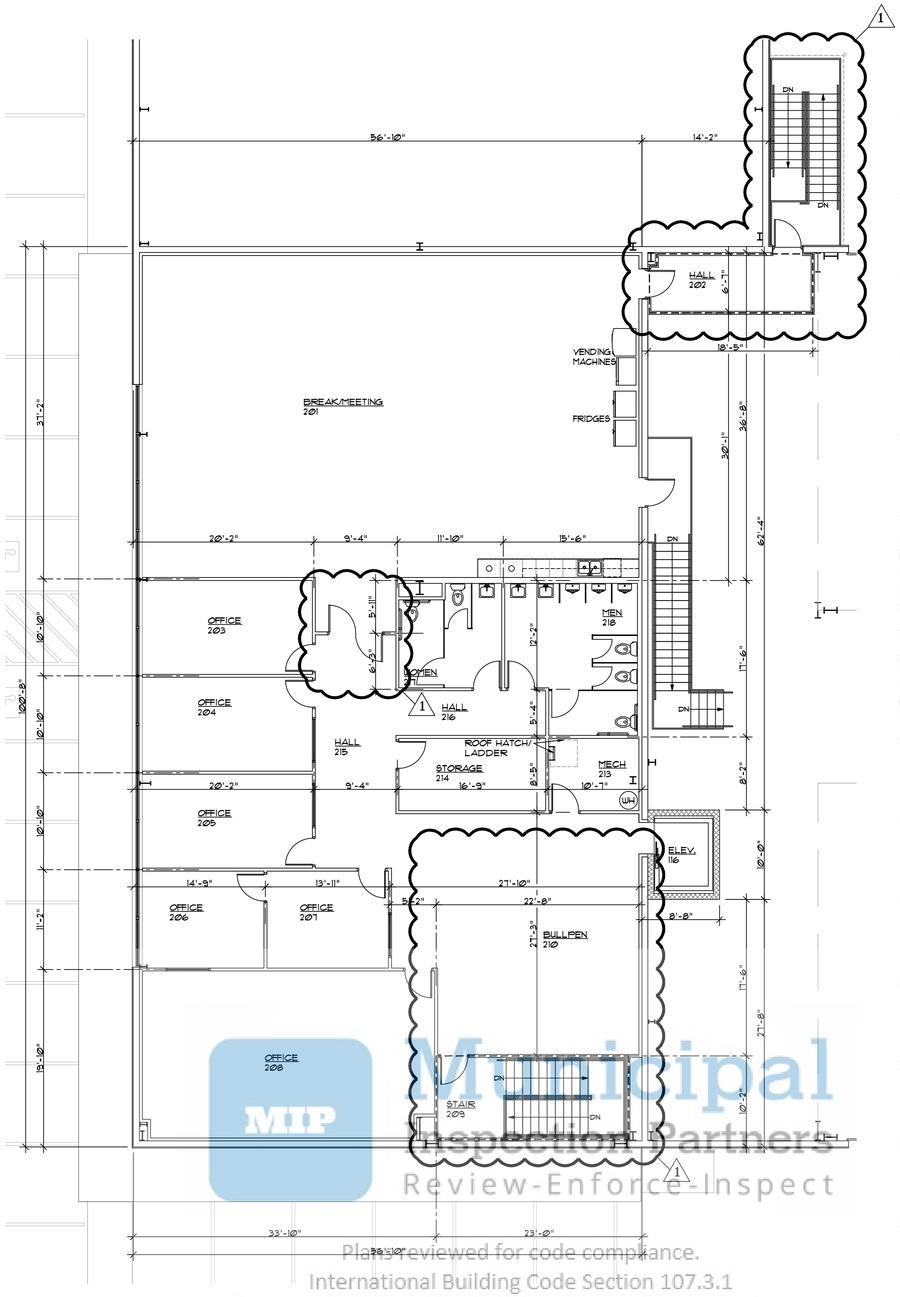
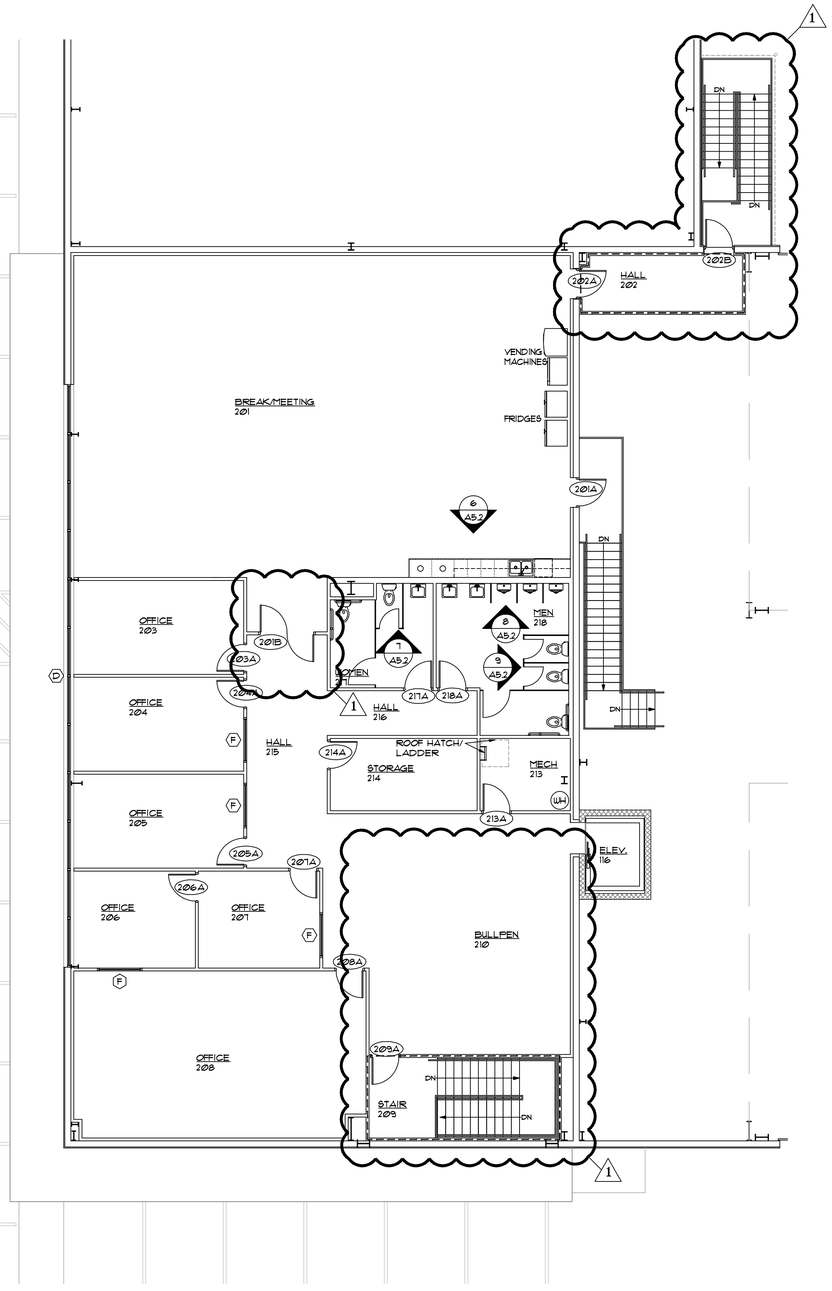
1 08/19/2024 - REVIEW RESPONSE & OWNER REQUESTED CHANGES

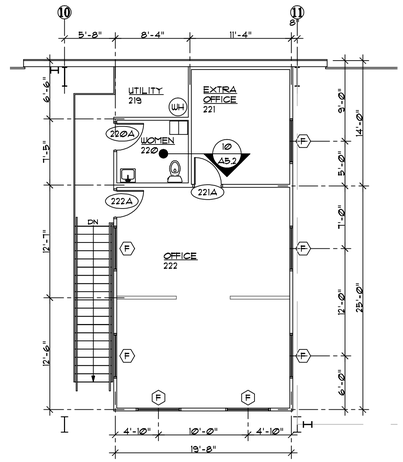
A1.2

File #: 1376-A1.2.dwg
Drawing Name: UPPER FLOOR PLAN
Date: 07/19/2024
Drawn By: PSG

PETER H. MEYER REGISTERED ARCHITECT STATE OF TENNESSEE No. 23963
07/19/2024







UPPER FLOOR ENLARGED PARTIAL FLOOR PLAN

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

UPPER FLOOR - DIMENSIONED ENLARGED PARTIAL FLOOR PLAN

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

– – – – – DENOTES 1-HR WALL RATING

UPPER FLOOR - NOTED ENLARGED PARTIAL FLOOR PLAN

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

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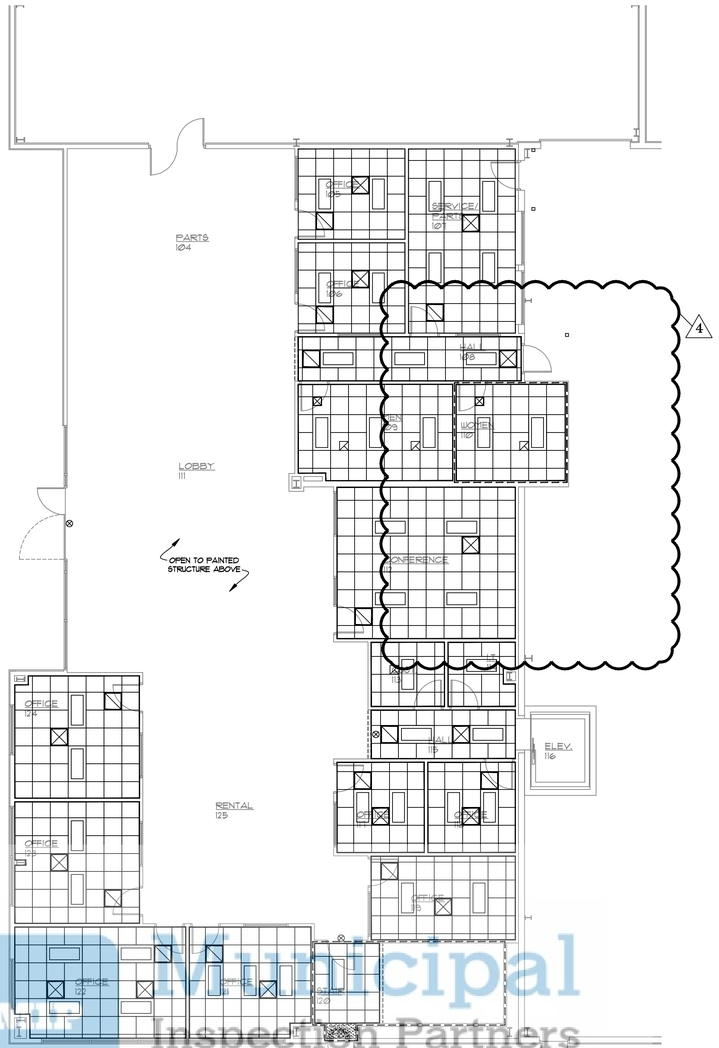
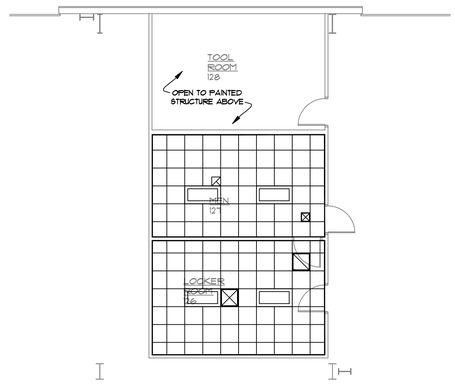
1 08/19/2024 - REVIEW RESPONSES & OWNER REQUESTED CHANGES
2
3
4

A1.2.1

File #: 1376-A1.2.dwg
Drawing Name: UPPER FLOOR - ENLARGED PARTIAL FLOOR PLANS
Date: 07/19/2024
Drawn By: PSG

PETER H. METTS REGISTERED ARCHITECT AGRICULTURE ARCHITECTS No. 20903 STATE OF TENNESSEE
07/19/2024





MAIN FLOOR
REFLECTED CEILING PLAN

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

MAIN FLOOR
REFLECTED CEILING PLAN

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

LEGEND

- 2'X2' LAY-IN CEILING & GRID
- PAINTED GYP. BD. HEADER
- PAINTED GYP. BD. SOFFIT
- 2'x4' LAY-IN LIGHT FIXTURE - SEE ELECTRICAL LIGHTING PLAN
- EXIT SIGN - SEE ELECTRICAL LIGHTING PLAN
- 24"x24" SUPPLY AIR DIFFUSER - SEE MECHANICAL PLAN
- 24"x24" RETURN AIR GRILLE - SEE MECHANICAL PLAN
- 12"x12" SUPPLY AIR DIFFUSER - SEE MECHANICAL PLAN
- 12"x12" EXHAUST FAN - SEE MECHANICAL PLAN

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- 01/07/2025 - REVIEW RESPONSE
- 01/16/2025 - REVIEW RESPONSE

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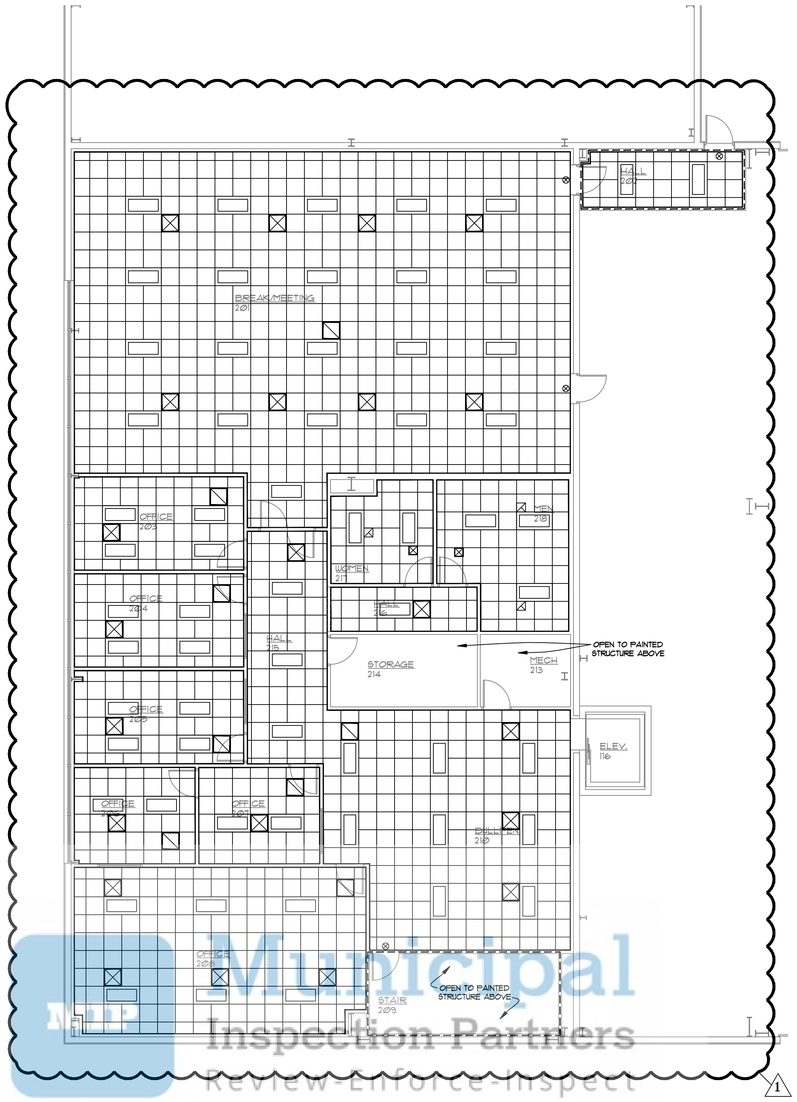
A2.1

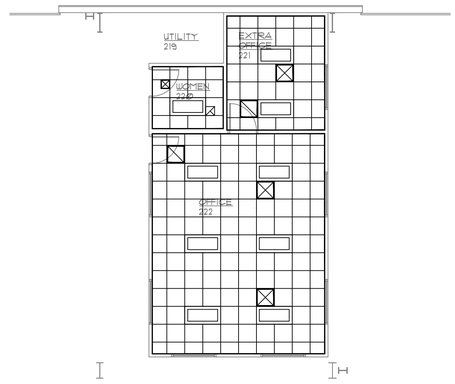
File #: 1376-A2.1.dwg
Drawing Name: MAIN FLOOR REFLECTED CEILING PLANS
Date: 07/19/2024
Drawn By: PSG

PETER H. METTS
REGISTERED ARCHITECT
STATE OF TENNESSEE
No. 22960
07/19/2024



UPPER FLOOR REFLECTED CEILING PLAN

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



UPPER FLOOR REFLECTED CEILING PLAN

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

LEGEND

- 2'X2' LAY-IN CEILING & GRID
- PAINTED GYP. BD. HEADER
- 2'x4' LAY-IN LIGHT FIXTURE - SEE ELECTRICAL LIGHTING PLAN
- 4' STRIP LIGHT FIXTURE - SEE ELECTRICAL LIGHTING PLAN
- EXIT SIGN - SEE ELECTRICAL LIGHTING PLAN
- 24"x24" SUPPLY AIR DIFFUSER - SEE MECHANICAL PLAN
- 24"x24" RETURN AIR GRILLE - SEE MECHANICAL PLAN
- 12"x12" SUPPLY AIR DIFFUSER - SEE MECHANICAL PLAN
- 12"x12" EXHAUST FAN - SEE MECHANICAL PLAN

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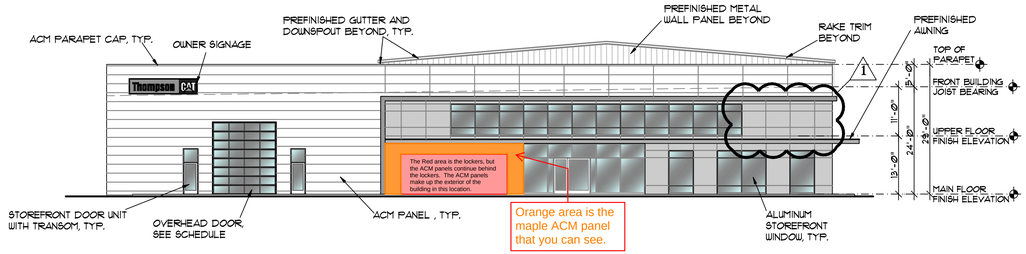
1 08/19/2024 - REVIEW RESPONSE & OWNER REQUESTED CHANGES

A2.2

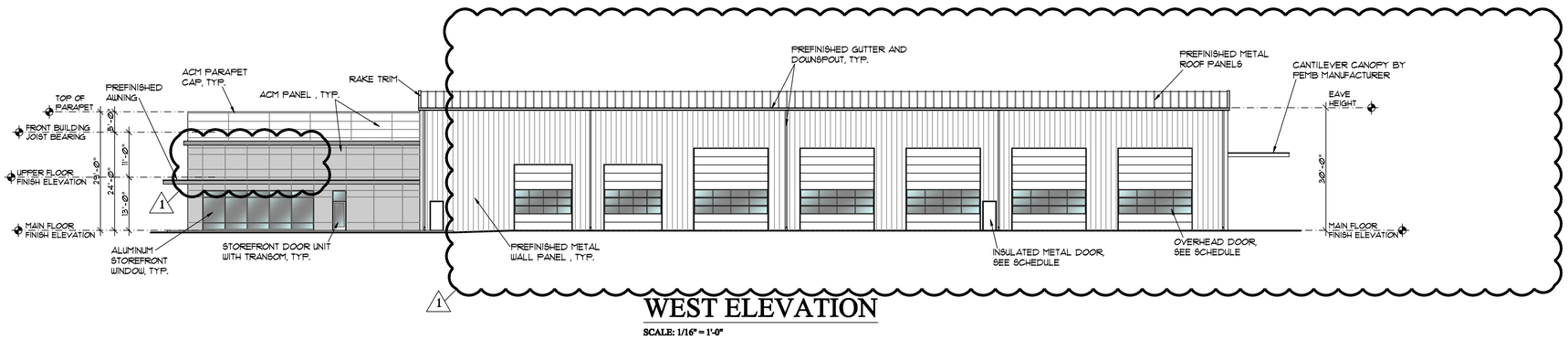
File #: 13176-A2.2.dwg
Drawing Name: UPPER FLOOR REFLECTED CEILING PLANS
Date: 07/19/2024
Drawn By: PSG

PETER R. MEETS
REGISTERED ARCHITECT
AGRICULTURE
No. 20960
STATE OF TENNESSEE
07/19/2024



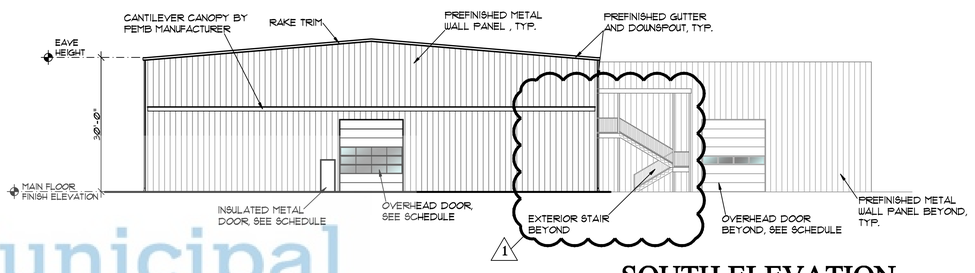
NORTH ELEVATION

SCALE: 1/16" = 1'-0"



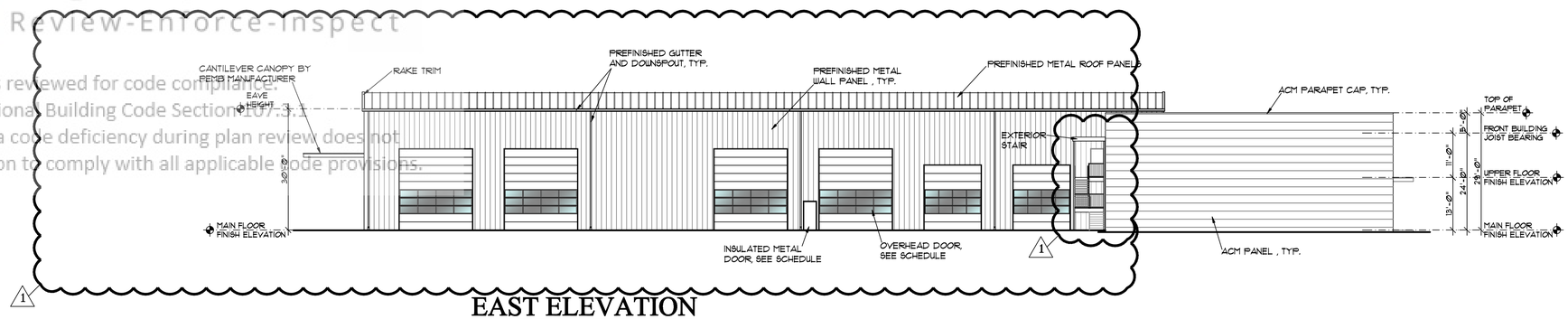
WEST ELEVATION

SCALE: 1/16" = 1'-0"



SOUTH ELEVATION

SCALE: 1/16" = 1'-0"



EAST ELEVATION

SCALE: 1/16" = 1'-0"

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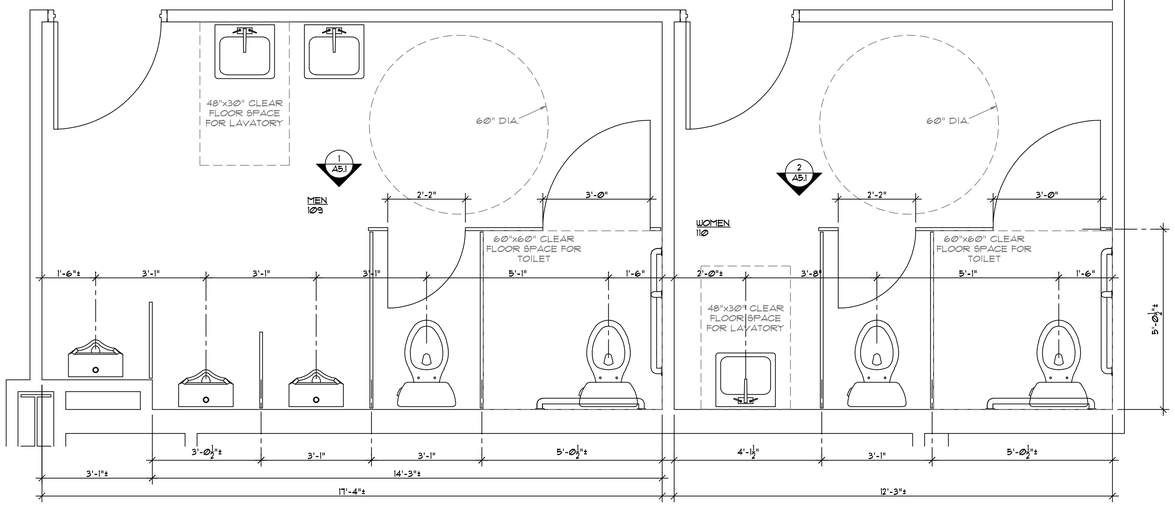
A4.1

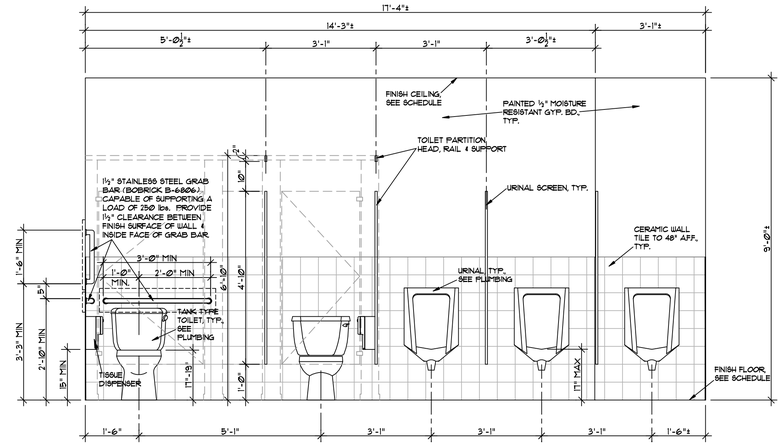
File #: 13716-A4.1.dwg
Drawing Name: EXTERIOR ELEVATIONS
Date: 07/19/2024
Drawn By: PSG

PETER S. MEITS
REGISTERED ARCHITECT
AGRICULTURE
OWNER
No. 20965
STATE OF TENNESSEE
07/19/2024



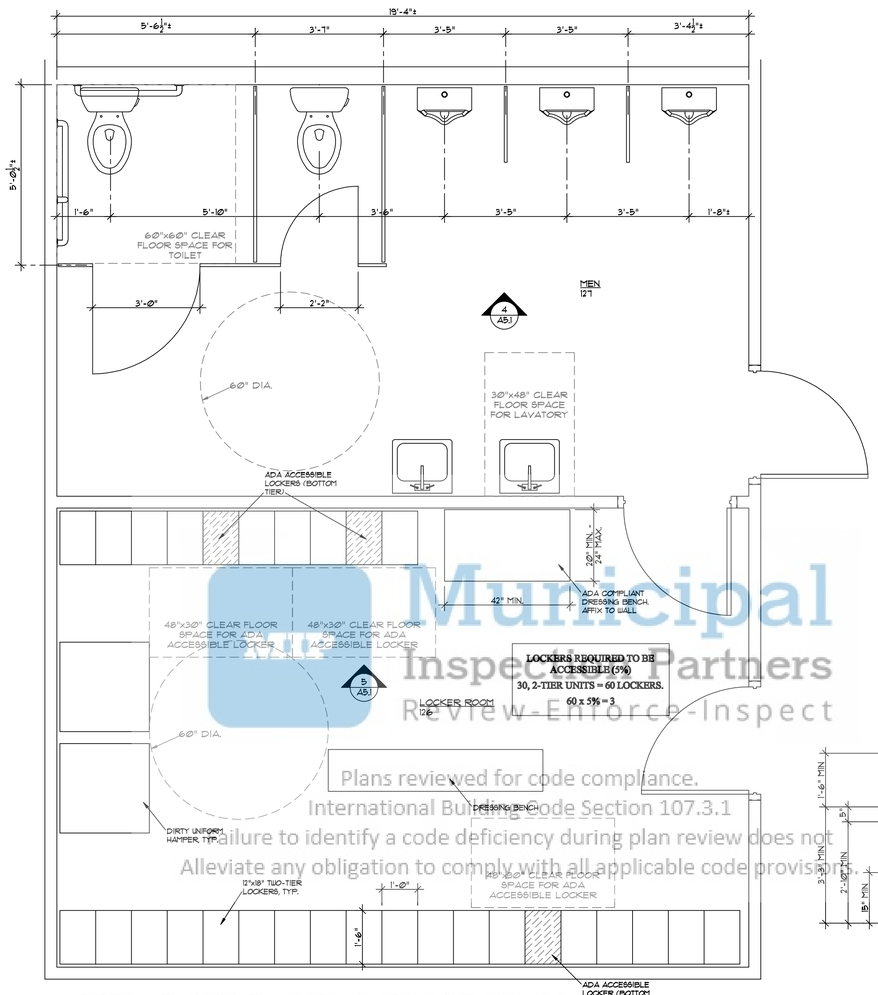
ENLARGED PARTIAL FLOOR PLAN

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



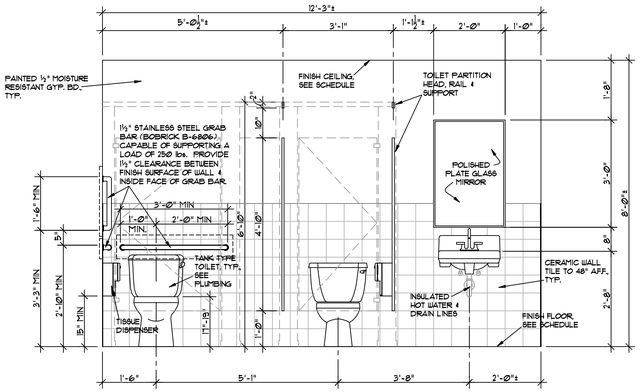
ELEVATION 1 A5.1 MEN 109

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



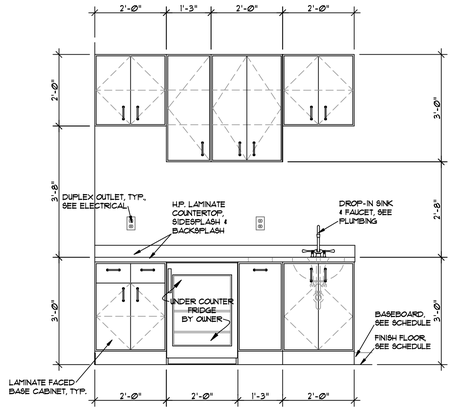
ENLARGED PARTIAL FLOOR PLAN

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



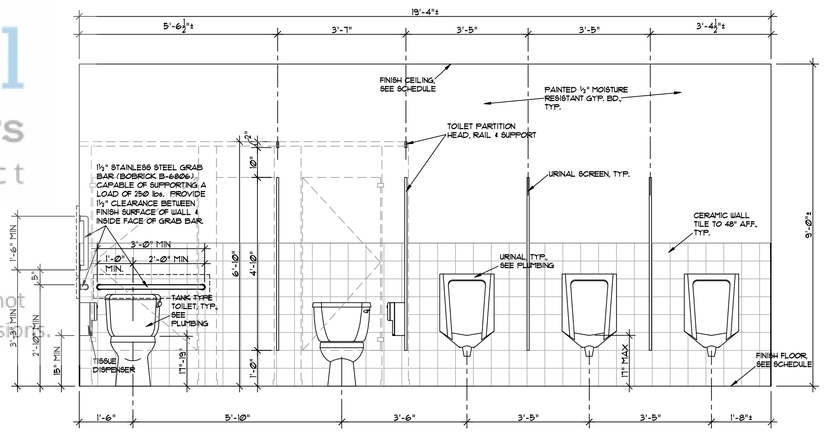
ELEVATION 2 A5.1 WOMEN 110

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



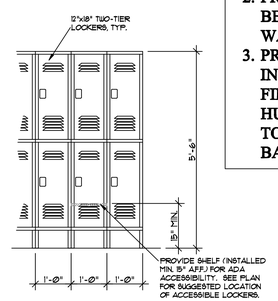
ELEVATION 3 A5.1 LOBBY 111 (COFFEE BAR)

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



ELEVATION 4 A5.1 MEN 127

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



ELEVATION 5 A5.1 LOCKER ROOM 126

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

GENERAL NOTES:

1. VERIFY ALL CASEWORK & CLEAR OPENINGS WILL ACCOMMODATE OWNER SELECTED APPLIANCES & EQUIPMENT PRIOR TO FABRICATION
2. PROVIDE 2"x, WOOD BLOCKING BEHIND FINISH SURFACE OF ALL WALL CABINETS
3. PROVIDE 2"x, WOOD BLOCKING IN BATHS & TOILETS, BEHIND FINISH SURFACE OF ALL WALL HUNG FIXTURES, MIRRORS, TOILET ACCESSORIES, GRAB BARS, etc.

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A5.1

File #: 1376-A5.1.dwg
Drawing Name: INTERIOR ELEVATIONS
Date: 07/19/2024
Drawn By: JIM

PETER R. MEEKS
REGISTERED ARCHITECT
STATE OF TENNESSEE
07/19/2024

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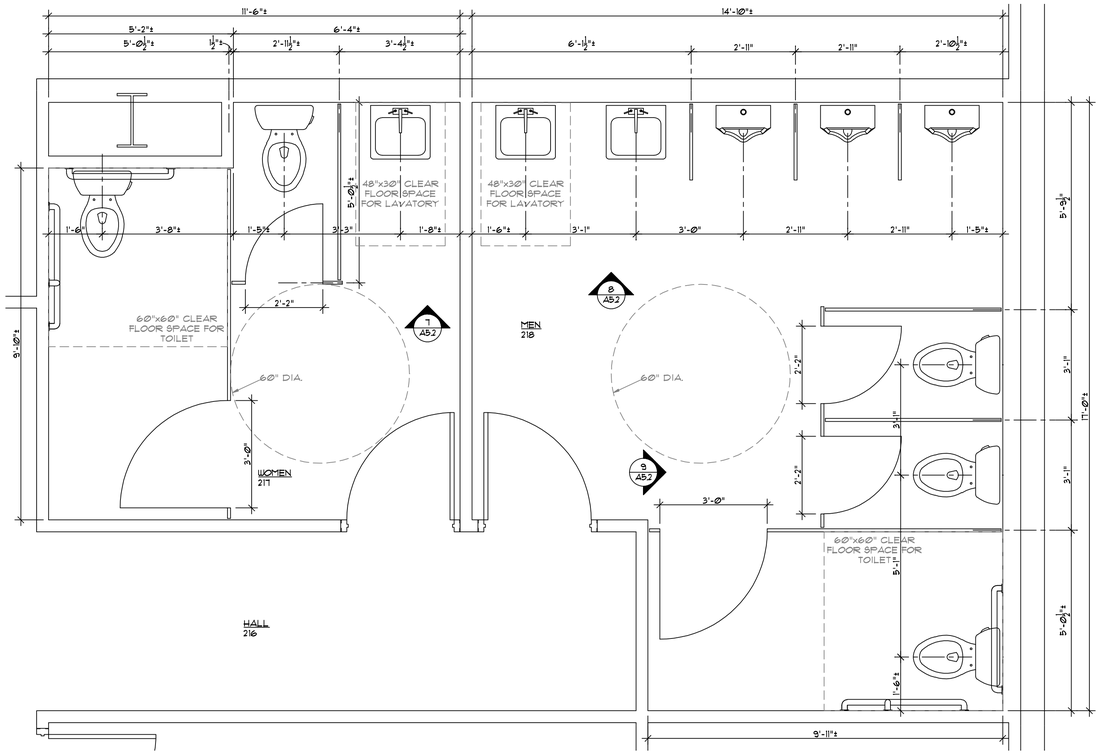
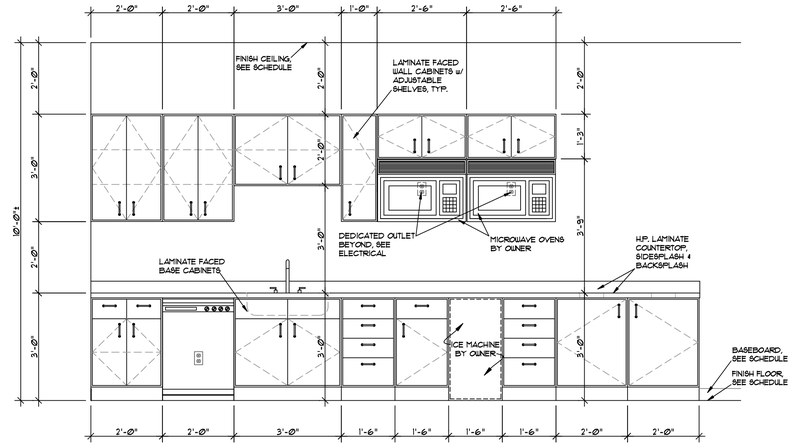


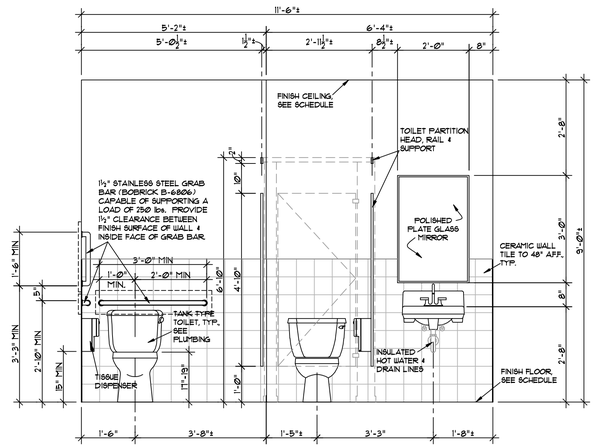
ENLARGED PARTIAL FLOOR PLAN

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



ELEVATION 6 A5.2 BREAK/MEETING 201

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

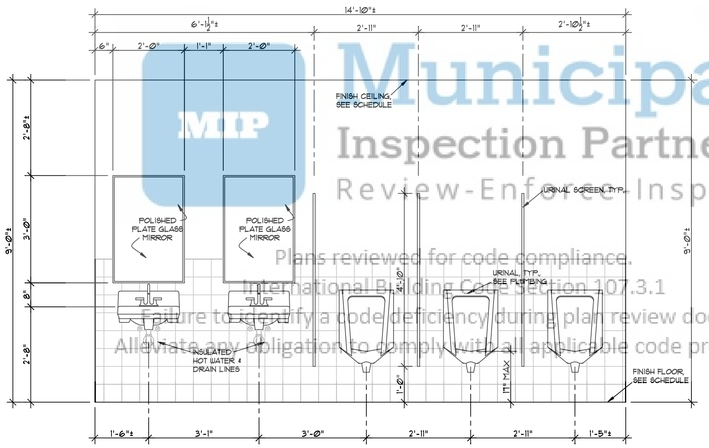


ELEVATION 7 A5.2 WOMEN 217

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

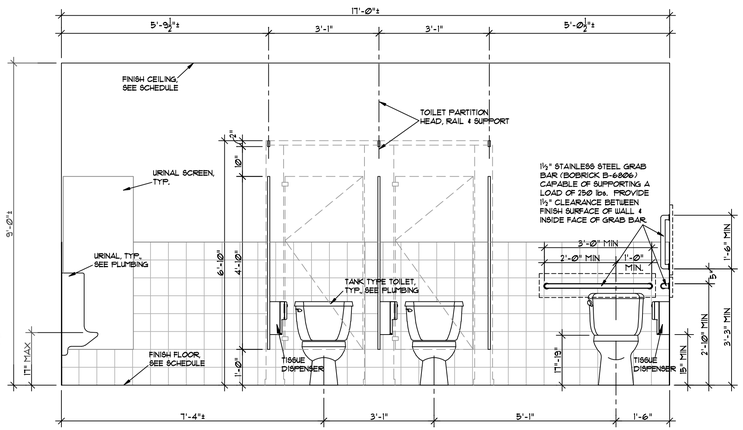
GENERAL NOTES:

1. **VERIFY ALL CASEWORK & CLEAR OPENINGS WILL ACCOMMODATE OWNER SELECTED APPLIANCES & EQUIPMENT PRIOR TO FABRICATION**
2. **PROVIDE 2"x, WOOD BLOCKING BEHIND FINISH SURFACE OF ALL WALL CABINETS**
3. **PROVIDE 2"x, WOOD BLOCKING IN BATHS & TOILETS, BEHIND FINISH SURFACE OF ALL WALL HUNG FIXTURES, MIRRORS, TOILET ACCESSORIES, GRAB BARS, etc.**



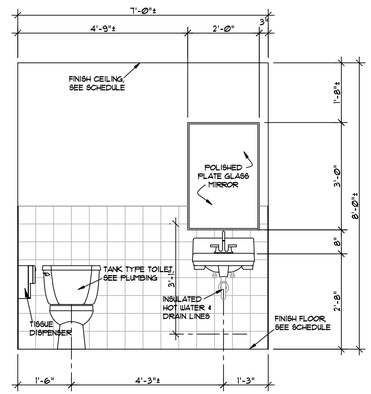
ELEVATION 8 A5.2 MEN 218

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



ELEVATION 9 A5.2 MEN 218

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



ELEVATION 10 A5.2 WOMEN 220

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

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3368 BRILEY PARK BOULEVARD SOUTH
NASHVILLE, TENNESSEE

ROSE CONSTRUCTION
2217 NW Broad St. - Murfreesboro, TN
(615) 898-8370

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ARCHITECTS AND PLANNERS
57 WEST BROAD STREET, SUITE 200
COOKEVILLE, TN 38501
(931) 528-8516
www.aeiengineering.com

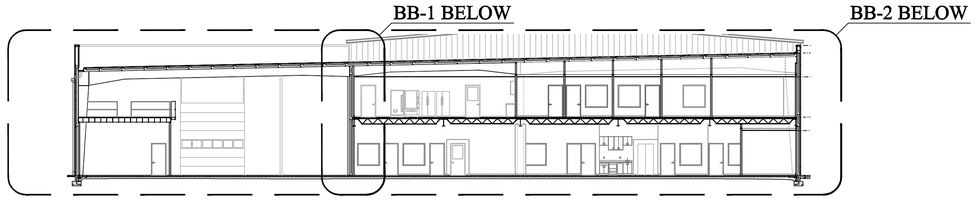
REVISIONS
1 08/19/2024 - REVIEW RESPONSE & OWNER REQUESTED CHANGES
2
3
4

A5.2

File #: 1376-A5.1.dwg
Drawing Name: INTERIOR ELEVATIONS
Date: 07/19/2024
Drawn By: JIM

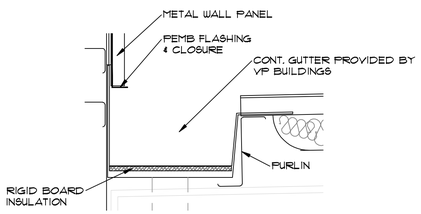
PETER H. METTS
REGISTERED ARCHITECT
STATE OF TENNESSEE
No. 20965
07/19/2024

1



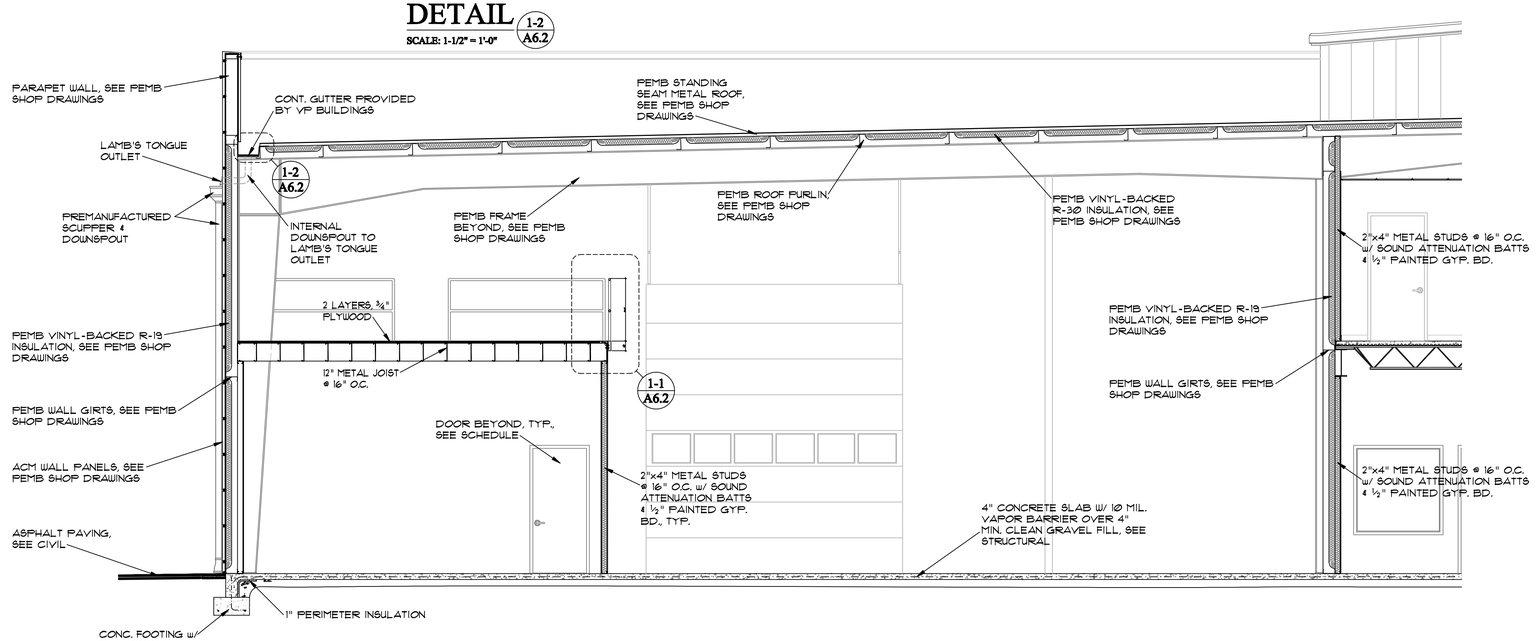
BUILDING SECTION KEY (BB / A6.2)

SCALE: 1/16" = 1'-0"



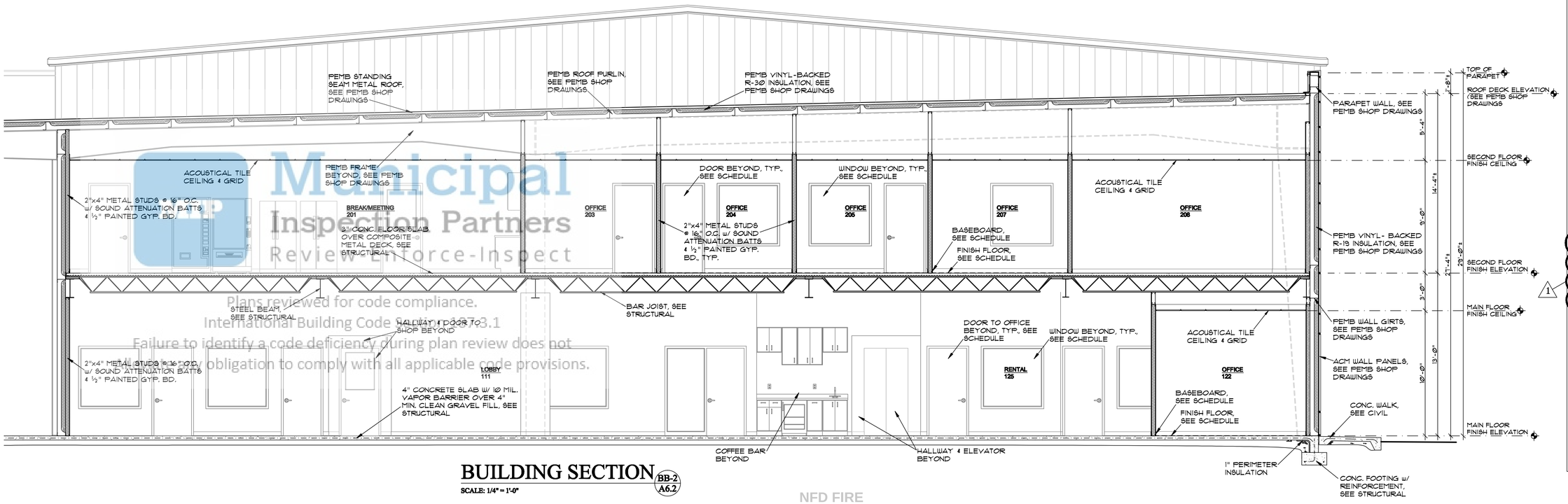
DETAIL (1-2 / A6.2)

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



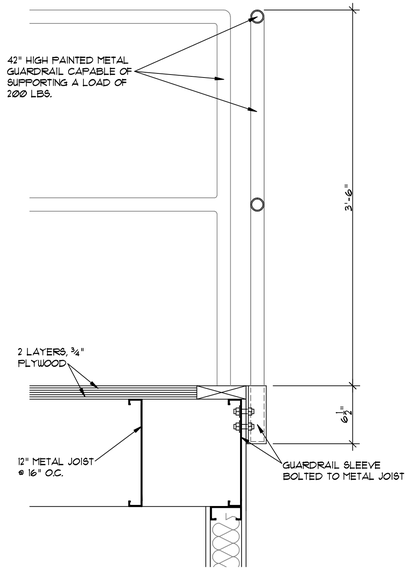
BUILDING SECTION (BB-1 / A6.2)

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



DETAIL (1-1 / A6.2)

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



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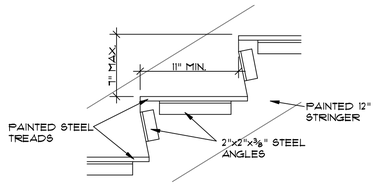
REVISIONS
1 08/19/2024 - REVIEW RESPONSE & OWNER REQUESTED CHANGES

A6.2

File #: 1376-A61.dwg
Drawing Name: BUILDING SECTION
Date: 07/19/2024
Drawn By: PSG

PETER H. MEITS
REGISTERED ARCHITECT
STATE OF TENNESSEE
07/19/2024



DETAIL 2/A7.2

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

PEMB STANDING SEAM METAL ROOF, SEE PEMB SHOP DRAWINGS

CONT. PRE-FINISHED RIDGE CAP, SEE PEMB SHOP DRAWINGS

PEMB VINYL-BACKED R-30 INSULATION, SEE PEMB SHOP DRAWINGS

PEMB ROOF PURLIN, SEE PEMB SHOP DRAWINGS

PEMB FRAME BEYOND, SEE PEMB SHOP DRAWINGS

12 : 1

HOISTWAY BEAM, SEE STRUCTURAL

2 LAYERS ⅝" TYPE 'X' GYP. BD.

HAT CHANNELS @ 16" O.C.

8" REINF. CONC. BOND BEAM W/ CONC. FILL

JACKS, GUIDE RAILS, DOORS, FRAMES, ALL ELEVATOR EQUIPMENT BY ELEVATOR SUPPLIER

8" REINF. CONC. BOND BEAM W/ CONC. FILL

CONC. FILLED 8" CONC. BLOCK W/REINFORCING, SEE STRUCTURAL

UPPER FLOOR FINISH ELEVATION

13'-3"

12'-3"

INTERMEDIATE LANDING

MAIN FLOOR FINISH ELEVATION

RECEPTACLES, SEE ELECTRICAL

PIT LADDER, COORDINATE W/ ELEV. SHOP DRAWINGS

¾" RIGID INSULATION BOARD OVER MEMBRANE BELOW GRADE

PRIMER AND WATERPROOF MEMBRANE APPLIED TO THE FACE OF CAST-IN-PLACE WALL BELOW GRADE

CAST-IN-PLACE ELEVATOR PIT WALL, SEE STRUCTURAL

GUARDRAIL WITH HANDRAIL CAPABLE OF SUPPORTING A LOAD OF 200 LBS.

42" HIGH PAINTED METAL GUARDRAIL CAPABLE OF SUPPORTING A LOAD OF 200 LBS.

3'-6"

2'-10"

42" HIGH PAINTED METAL GUARDRAIL CAPABLE OF SUPPORTING A LOAD OF 200 LBS.

PAINTED ANGLE SUPPORT

PAINTED STEEL TREADS

PAINTED STEEL CHANNEL

PAINTED 12" STRINGER

PAINTED ⅝" TYPE 'X' GYP. BD.

2 2

A7.2

6" CONC. SLAB W/ 10 MIL. VAPOR BARRIER ON CRUSHED STONE, SEE STRUCTURAL

PAINTED STEEL COLUMNS

1-HOUR RATED ASSEMBLY, UL U301. SEE SHEET LS1.1

1-HOUR RATED ASSEMBLY, SEE CALCULATED FIRE RESISTANCE DETAIL, SHEET LS1.1

PAINTED ANGLE SUPPORT

2"x4" METAL STUD BLOCKING @ 16" O.C.

2 LAYERS, ⅝" TYPE 'X' GYP. BD.

PAINTED ⅝" TYPE 'X' GYP. BD.

ACOUSTICAL TILE CEILING & GRID

PAINTED ⅝" TYPE 'X' MOISTURE RESISTANT GYP. BD.

2"x8" METAL STUDS @ 16" O.C. W/ 7½" FIBERGLASS INSULATION

PAINTED ⅝" TYPE 'X' MOISTURE RESISTANT GYP. BD. WOMEN 110

BASEBOARD, SEE SCHEDULE

FINISH FLOOR, SEE SCHEDULE

2"x4" METAL STUDS @ 16" O.C. W/ 3½" FIBERGLASS INSULATION

PAINTED STEEL CHANNEL

PAINTED STEEL COLUMN BEYOND, SEE STRUCTURAL

1-HOUR RATED ASSEMBLY, UL U301. SEE SHEET LS1.1

CONT. PREFINISHED GUTTER

PEMB METAL WALL PANELS, SEE PEMB SHOP DRAWINGS

¾" PLYWOOD

6" METAL JOIST @ 16" O.C.

HAT CHANNELS @ 16" O.C.

2 LAYERS ⅝" TYPE 'X' GYP. BD.

ACOUSTICAL TILE CEILING & GRID

2"x4" METAL STUDS @ 16" O.C. W/ FIBERGLASS INSULATION & PAINTED ⅝" TYPE 'X' GYP. BD. EACH SIDE. UL ASSEMBLY U309. SEE SHEETS LS1.1 & LS1.2

PEMB VINYL-BACKED R-19 INSULATION, SEE PEMB SHOP DRAWINGS

PEMB WALL GIRTS, SEE PEMB SHOP DRAWINGS

3" CONC. FLOOR SLAB OVER COMPOSITE METAL DECK, SEE STRUCTURAL

PAINTED STEEL BEAM, SEE STRUCTURAL

PAINTED STEEL COLUMN BEYOND, SEE STRUCTURAL

OVERHEAD SECTIONAL DOOR, TRACK

OVERHEAD SECTIONAL DOOR WITH JAMB, HEAD AND SILL

CONC. FOOTING W/ REINFORCEMENT, SEE STRUCTURAL

4

ELEVATOR & STAIR SECTION C/A7.2

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

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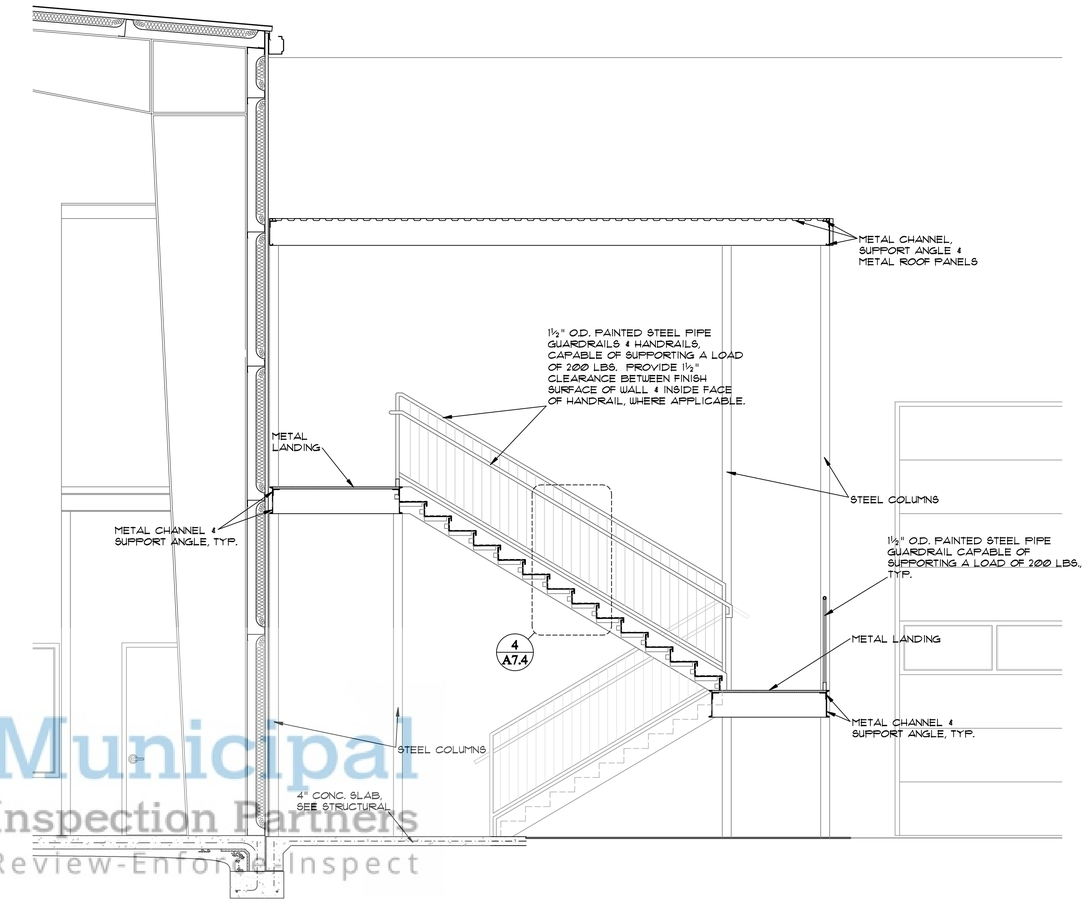
REVISIONS
- 08/19/2024 - REVIEW RESPONSE & OWNER REQUESTED CHANGES
- 11/15/2024 - OWNER/CONTRACTOR REQUESTED CHANGES / FP&AB COORDINATION
- 01/07/2025 - REVIEW RESPONSE
- 01/16/2025 - REVIEW RESPONSE

A7.2

File #: 1376-A6.1.dwg
Drawing Name: WALL SECTIONS
Date: 07/19/2024
Drawn By: JJM

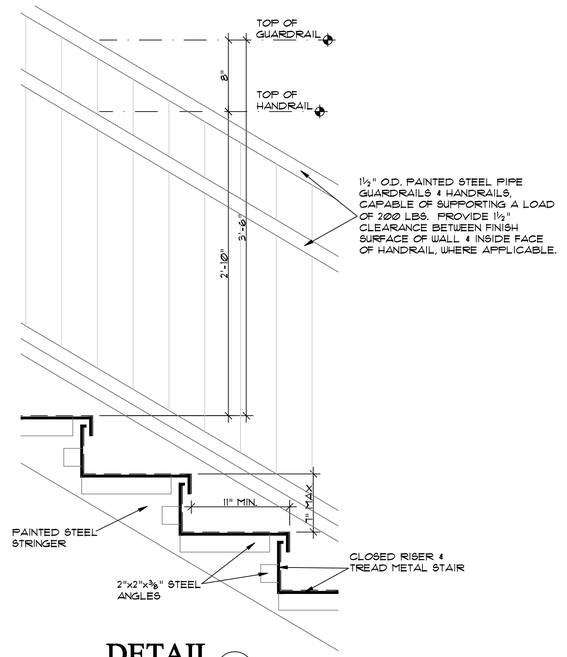
PETER H. METTS — REGISTERED ARCHITECT — STATE OF TENNESSEE — No. 20965 — 07/19/2024



STAIR SECTION

F A7.4

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



DETAIL

4 A7.4

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

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A7.4

File #: 1376-A61.dwg
Drawing Name: STAIR SECTION
Date: 07/19/2024
Drawn By: JJM

PETER H. METTS
REGISTERED ARCHITECT
No. 20965
STATE OF TENNESSEE
07/19/2024

FINISH SCHEDULE

NO.	NAME/DESCRIPTION	FLOOR FINISH: POLISHED CONCRETE	FLOOR FINISH: SEALED CONCRETE	FLOOR FINISH: LVT	FLOOR FINISH: CARPET TILE	FLOOR FINISH: CERAMIC TILE	FLOOR FINISH: METAL PANCONC. TREADS/METAL RISERS	BASE: 4" RUBBER BASE	BASE: N/A	WALL MATERIAL: ⅝" GYP. BD.	WALL MATERIAL: ⅝" MOISTURE RESISTANT GYP. BD.	WALL MATERIAL: CERAMIC WALL TILE TO 48" A.F.F.	WALL MATERIAL: ⅝" TYPE 'X' GYP. BD.	WALL MATERIAL: ⅝" TYPE 'X' MOISTURE RESISTANT GYP. BD.	WALL MATERIAL: EXPOSED PEMB STEEL STRUCTURE	WALL MATERIAL: N/A	WALL FINISH: PAINT	WALL FINISH: N/A	CEILING MATERIAL: 2'X2' ACOUSTICAL CEILING T GRID	CEILING MATERIAL: EXPOSED STRUCTURE	CEILING MATERIAL: PAINT	CEILING MATERIAL: N/A	CEILING HEIGHT: 8'-0"	CEILING HEIGHT: 9'-0"	CEILING HEIGHT: 10'-0"	CEILING HEIGHT: VARIES
101	HOSE FAB		●						●	●							●					●				●
102	PARTS		●						●	●							●					●				●
103	SHOP		●						●	●							●					●				●
104	PARTS	●						✱		✱							✱					●				●
105	OFFICE				●			✱									●					●		●		
106	OFFICE				●			✱									●					●		●		
107	SERVICE/PARTS	●						✱		✱							✱					●				●
108	HALL	●						✱		✱			✱				✱					●				●
109	MEN						●	✱			✱		●				✱					●				●
110	WOMEN						●	✱			✱		●				✱					●		●		
111	LOBBY	●						✱		✱				✱			✱					●				●
112	CONFERENCE				●			✱		✱				✱			✱					●			●	
113	CUSTODIAN		●					✱									●					●		●		
114	I.T.		●					✱									●					●		●		
115	HALL	●						✱		✱							✱					●				●
116	ELEVATOR			✳				✱									●					●				●
117	OFFICE				●			✱									●					●		●		
118	OFFICE				●			✱									●					●		●		
119	OFFICE		●					✱									●					●		●		
120	STAIR	●						✱									●					●				●
121	OFFICE				●			✱									●					●		●		
122	OFFICE				●			✱									●					●		●		
123	OFFICE				●			✱									●					●		●		
124	OFFICE				●			✱									●					●		●		
125	RENTAL	●						✱		✱							✱					●				●
126	LOCKER ROOM		●					✱									●					●				●
127	MEN		●					✱									●					●				●
128	TOOL ROOM		●					✱									●					●				●
201	BREAK/MEETING		●					✱									●					●		●		
202	HALL		●					✱									●					●				●
203	OFFICE				●			✱									●					●		●		
204	OFFICE				●			✱									●					●		●		
205	OFFICE				●			✱									●					●		●		
206	OFFICE				●			✱									●					●		●		
207	*REMOVED FROM SCOPE*																									
208	OFFICE		●					✱									●					●		●		
209	STAIR		●				●	✱									●					●				●
210	BULL PEN		●					✱									●					●		●		
211	*REMOVED FROM SCOPE*																									
212	*REMOVED FROM SCOPE*																									
213	MECH		●					✱									●					●				●
214	STORAGE		●					✱									●					●				●
215	HALL		●					✱		✱							✱					●				●
216	HALL		●					✱		✱							✱					●				●
217	WOMEN						●	✱			✱		●				✱					●		●		
218	MEN						●	✱			✱		●				✱					●		●		
219	UTILITY		●					✱		✱							✱					●				●
220	WOMEN						●	✱			✱		●				✱					●		●		
221	EXTRA OFFICE		●					✱									●					●		●		
222	OFFICE				●			✱									●					●		●		

REMARKS

- ● A SOLID CIRCLE INDICATES A FINISH ON ALL WALLS WITHIN THE ROOM
- ✱ THE SQUARE DIVIDED INTO SECTIONS WITH SMALLER CIRCLES INDICATES A WALL WITH A SPECIFIC FINISH

GENERAL NOTES

✱ SPACE SPECIFIC NOTES

MEN 109, WOMEN 110.
MEN 123, WOMEN 217.
MEN 218, WOMEN 220
GYP. BD. TO BE PAINTED ABOVE CERAMIC WALL TILE.

ELEVATOR 116
INTERIOR FINISHES TO BE PROVIDED BY ELEVATOR DISTRIBUTOR. COLORS, STYLES, ETC. TO BE SELECTED BY OWNER.

4

DOOR SCHEDULE

NO.	DOOR WIDTH	DOOR HEIGHT	DOOR THICK	DOOR MAT'L	DOOR FINISH	FRAME MAT'L	FRAME FINISH	REMARKS	HARDWARE GROUP	ELEVATION	FIRE RATING
101A	3'-0"	7'-0"	1¾"	ALUM/GLS	PREFIN	ALUM	PREFIN	STOREFRONT DOOR UNIT W/ TRANSOM	1	1/A9.1	
101B	3'-0"	7'-0"	1¾"	METAL	PAINT	METAL	PAINT	INSULATED METAL DOOR	2	2/A9.1	
102A	3'-0"	7'-0"	1¾"	ALUM/GLS	PREFIN	ALUM	PREFIN	STOREFRONT DOOR UNIT W/ TRANSOM	1	1/A9.1	
102B	10'-0"	10'-0"	2"	ALUM/GLS	PREFIN	ALUM	PREFIN	OVERHEAD SECTIONAL DOOR W/GLASS PANELS, ELECTRONIC OPERATOR	---	3/A9.1	
102C	10'-0"	10'-0"	2"	ALUM/GLS	PREFIN	ALUM	PREFIN	OVERHEAD SECTIONAL DOOR W/GLASS PANELS, ELECTRONIC OPERATOR	---	14/A9.3	
102D	2,3'-0"	7'-0"	1¾"	METAL	PAINT	METAL	PAINT	INSULATED METAL DOUBLE EGRESS DOORS	3	4/A9.1	
102E	10'-0"	10'-0"	2"	STEEL	PAINT	STEEL	PAINT	OVERHEAD SECTIONAL DOOR W/ ELECTRONIC OPERATOR	---	5/A9.1	
102F	3'-0"	7'-0"	1¾"	METAL	PAINT	METAL	PAINT	INSULATED METAL DOOR	4	2/A9.1	
103A	3'-0"	7'-0"	1¾"	METAL	PAINT	METAL	PAINT	INSULATED METAL DOOR	4	2/A9.1	
103B	14'-0"	16'-0"	2"	ALUM/GLS	PREFIN	ALUM	PREFIN	OVERHEAD SECTIONAL DOOR W/GLASS PANELS, ELECTRONIC OPERATOR	---	6/A9.2	
103C	*REMOVED FROM SCOPE*										
103D	*REMOVED FROM SCOPE*										
103E	14'-0"	16'-0"	2"	ALUM/GLS	PREFIN	ALUM	PREFIN	OVERHEAD SECTIONAL DOOR W/GLASS PANELS, ELECTRONIC OPERATOR	---	6/A9.2	
103F	18'-0"	20'-0"	2"	ALUM/GLS	PREFIN	ALUM	PREFIN	OVERHEAD SECTIONAL DOOR W/GLASS PANELS, ELECTRONIC OPERATOR	---	7/A9.2	
103G	18'-0"	20'-0"	2"	ALUM/GLS	PREFIN	ALUM	PREFIN	OVERHEAD SECTIONAL DOOR W/GLASS PANELS, ELECTRONIC OPERATOR	---	7/A9.2	
103H	18'-0"	20'-0"	2"	ALUM/GLS	PREFIN	ALUM	PREFIN	OVERHEAD SECTIONAL DOOR W/GLASS PANELS, ELECTRONIC OPERATOR	---	7/A9.2	
103J	3'-0"	7'-0"	1¾"	METAL	PAINT	METAL	PAINT	INSULATED METAL DOOR	4	2/A9.1	
103K	18'-0"	20'-0"	2"	ALUM/GLS	PREFIN	ALUM	PREFIN	OVERHEAD SECTIONAL DOOR W/GLASS PANELS, ELECTRONIC OPERATOR	---	7/A9.2	
103L	*REMOVED FROM SCOPE*										
103M	*REMOVED FROM SCOPE*										
103N	18'-0"	20'-0"	2"	ALUM/GLS	PREFIN	ALUM	PREFIN	OVERHEAD SECTIONAL DOOR W/GLASS PANELS, ELECTRONIC OPERATOR	---	7/A9.2	
103P	14'-0"	16'-0"	2"	ALUM/GLS	PREFIN	ALUM	PREFIN	OVERHEAD SECTIONAL DOOR W/GLASS PANELS, ELECTRONIC OPERATOR	---	6/A9.2	
103Q	*REMOVED FROM SCOPE*										
103R	*REMOVED FROM SCOPE*										
103S	14'-0"	16'-0"	2"	ALUM/GLS	PREFIN	ALUM	PREFIN	OVERHEAD SECTIONAL DOOR W/GLASS PANELS, ELECTRONIC OPERATOR	---	6/A9.2	
103T	18'-0"	20'-0"	2"	ALUM/GLS	PREFIN	ALUM	PREFIN	OVERHEAD SECTIONAL DOOR W/GLASS PANELS, ELECTRONIC OPERATOR	---	7/A9.2	
103U	3'-0"	7'-0"	1¾"	METAL	PAINT	METAL	PAINT	INSULATED METAL DOOR	4	2/A9.1	
103V	18'-0"	20'-0"	2"	ALUM/GLS	PREFIN	ALUM	PREFIN	OVERHEAD SECTIONAL DOOR W/GLASS PANELS, ELECTRONIC OPERATOR	---	7/A9.2	
103W	18'-0"	20'-0"	2"	ALUM/GLS	PREFIN	ALUM	PREFIN	OVERHEAD SECTIONAL DOOR W/GLASS PANELS, ELECTRONIC OPERATOR	---	7/A9.2	
103X	*REMOVED FROM SCOPE*										
103Y	*REMOVED FROM SCOPE*										
103Z	18'-0"	20'-0"	2"	ALUM/GLS	PREFIN	ALUM	PREFIN	OVERHEAD SECTIONAL DOOR W/GLASS PANELS, ELECTRONIC OPERATOR	---	7/A9.2	
103AA	14'-0"	16'-0"	2"	ALUM/GLS	PREFIN	ALUM	PREFIN	OVERHEAD SECTIONAL DOOR W/GLASS PANELS, ELECTRONIC OPERATOR	---	6/A9.2	
103AB	3'-0"	7'-0"	1¾"	METAL	PAINT	METAL	PAINT	INSULATED METAL DOOR	4	2/A9.1	
105A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	5	8/A9.2	
106A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	5	8/A9.2	
107A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	5	8/A9.2	
107B	3'-0"	7'-0"	1¾"	MTL/GLS	PAINT	METAL	PAINT	INSULATED METAL DOOR W/ HALF GLASS	5	9/A9.2	
108A	3'-0"	7'-0"	1¾"	MTL/GLS	PAINT	METAL	PAINT	INSULATED METAL DOOR W/ HALF GLASS	6	9/A9.2	
109A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	7	10/A9.2	
110A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	7	10/A9.2	
111A	3'-0"5'-0"	8'-0"	1¾"	ALUM/GLS	PREFIN	ALUM	PREFIN	STOREFRONT DOUBLE DOOR UNIT W/ SIDELIGHTS & TRANSOM	8	11/A9.2	
112A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE W/ SIDELIGHT	6	12/A9.2	
113A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	2	8/A9.2	
114A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	5	8/A9.2	
117A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	5	8/A9.2	
118A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	5	8/A9.2	
119A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	5	8/A9.2	
120A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	9	8/A9.2	20 MIN.
120B	3'-0"	7'-0"	1¾"	ALUM/GLS	PREFIN	ALUM	PREFIN	STOREFRONT DOOR UNIT W/ TRANSOM	1	1/A9.1	
121A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	5	8/A9.2	
122A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	5	8/A9.2	
123A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	5	8/A9.2	
124A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	5	8/A9.2	
126A	3'-0"	7'-0"	1¾"	METAL	PAINT	METAL	PAINT	INSULATED METAL DOOR	6	2/A9.1	
126B	3'-0"	7'-0"	1¾"	METAL	PAINT	METAL	PAINT	INSULATED METAL DOOR	6	2/A9.1	
127A	3'-0"	7'-0"	1¾"	METAL	PAINT	METAL	PAINT	INSULATED METAL DOOR	7	13/A9.2	
128A	3'-0"	7'-0"	1¾"	METAL	PAINT	METAL	PAINT	INSULATED METAL DOOR	6	2/A9.1	
201A	3'-0"	7'-0"	1¾"	MTL/GLS	PAINT	METAL	PAINT	INSULATED METAL DOOR W/ HALF GLASS	9	9/A9.3	
201B	2,3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER DOUBLE EGRESS DOOR, STAIN GRADE	11	15/A9.3	
202A	3'-0"	7'-0"	1¾"	METAL	PAINT	METAL	PAINT	INSULATED METAL DOOR, 1-HOUR FIRE RATING	9	2/A9.1	20 MIN.
202B	3'-0"	7'-0"	1¾"	METAL	PAINT	METAL	PAINT	INSULATED METAL DOOR, 1-HOUR FIRE RATING	5	2/A9.1	
203A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	5	8/A9.2	
204A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	5	8/A9.2	
205A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	5	8/A9.2	
206A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	5	8/A9.2	
207A	*REMOVED FROM SCOPE*										
208A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	5	8/A9.2	
209A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	9	8/A9.2	20 MIN.
210A	*REMOVED FROM SCOPE*										
213A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	2	8/A9.2	
214A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	2	8/A9.2	
217A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	7	8/A9.2	
218A	3'-0"	7'-0"	1¾"	WOOD	STAIN	METAL	PAINT	SOLID CORE BIRCH VENEER, STAIN GRADE	7	10/A9.2	
220A	3'-0"	7'-0"	1¾"	METAL	PAINT	METAL	PAINT	INSULATED METAL DOOR	13	2/A9.1	
221A	3'-0"	7'-0"	1¾"	METAL	PAINT	METAL	PAINT	INSULATED METAL DOOR	5	2/A9.1	
222A	3'-0"	7'-0"	1¾"	METAL	PAINT	METAL	PAINT	INSULATED METAL DOOR W/ HALF GLASS	5	9/A9.2	

HARDWARE GROUPS

GROUP 1
PIVOTS
DOOR STOP
CLOSER
WEATHERSTRIPPING
THRESHOLD
MORTISE LOCK W/ THUMB TURN
PANIC HARDWARE

GROUP 2
1½ PAIR BUTTS
DOOR STOP
CLOSER
STOREROOM LOCKSET

GROUP 3
1½ PAIR BUTTS, EA. DR.
DOOR STOP, EA. DR.
CLOSER, EA. DR.
PASSAGE LATCHSET, EA. DR.
DOUBLE EGRESS, DUAL SWING DOORS

GROUP 4
1½ PAIR BUTTS
DOOR STOP
CLOSER
WEATHERSTRIPPING
THRESHOLD
MORTISE LOCK W/ THUMB TURN
PANIC HARDWARE

GROUP 5
1½ PAIR BUTTS
DOORS STOP
KEYED LOCKSET

GROUP 6
1½ PAIR BUTTS
DOOR STOP
CLOSER
PASSAGE LATCHSET

GROUP 7
1½ PAIR BUTTS
DOOR STOP
CLOSER
PULL HANDLE/PUSH PLATE
KICK PLATE

GROUP 8
PIVOTS, EA. DR.
DOOR STOP, EA. DR.
CLOSER, EA. DR.
WEATHERSTRIPPING, EA. DR.
THRESHOLD, ENTIRE OPENING
PUSH BAR/PULL HANDLE, EA. DR.
FLUSH BOLTS, ONE DR.
MORTISE LOCK W/THUMB TURN
PANIC HARDWARE

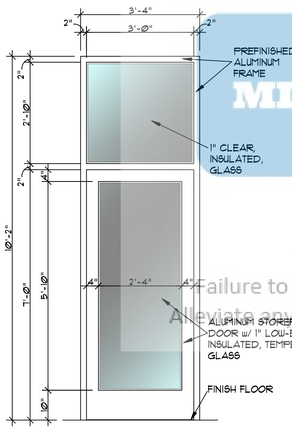
GROUP 9
1½ PAIR BUTTS
DOOR STOP
CLOSER
PASSAGE LATCHSET
PANIC HARDWARE

GROUP 10
REMOVED FROM SCOPE

GROUP 11
1½ PAIR BUTTS, EA. DR.
DOOR STOP, EA. DR.
PASSAGE LATCHSET, EA. DR.
PANIC HARDWARE

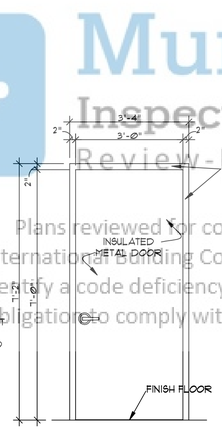
GROUP 12
1½ PAIR BUTTS, EA. DR.
DOOR STOP, EA. DR.
CLOSER, EA. DR.
STOREROOM LOCKSET

GROUP 13
1½ PAIR BUTTS
DOOR STOP
CLOSER
PRIVACY LOCKSET



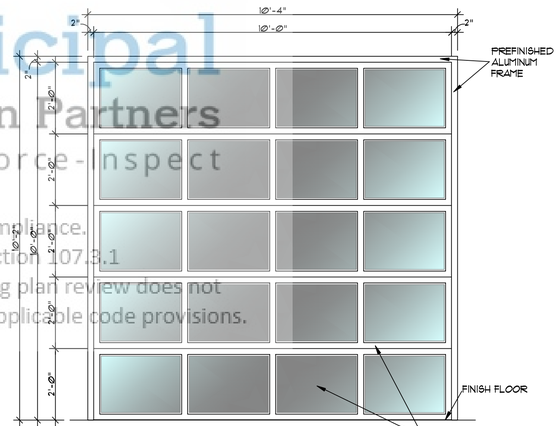
DOOR ELEVATION 1 A9.1

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



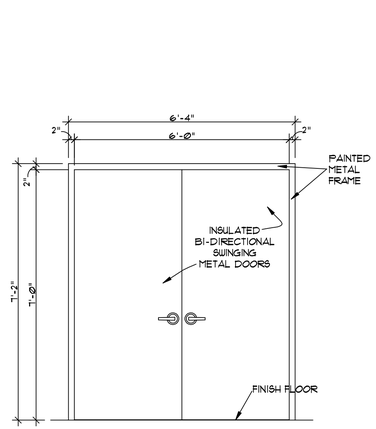
DOOR ELEVATION 2 A9.1

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



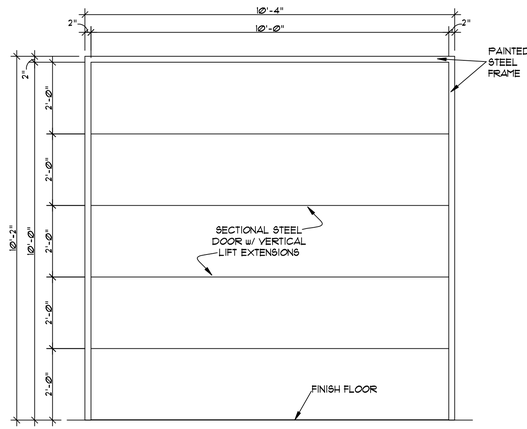
DOOR ELEVATION 3 A9.1

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



DOOR ELEVATION 4 A9.1

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



DOOR ELEVATION 5 A9.1

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

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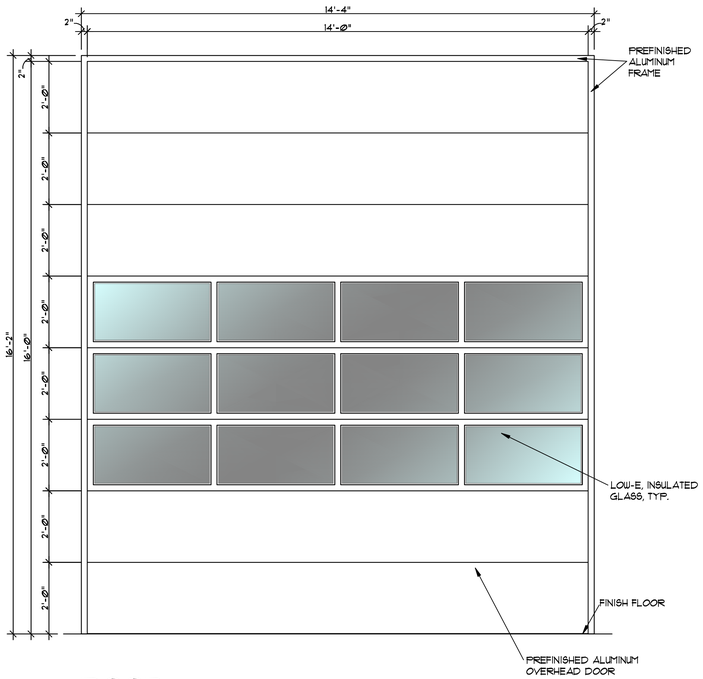
REVISIONS
- 08/30/2024 - REVIEW RESPONSE & OWNER REQUESTED CHANGES
- 11/15/2024 - OWNER/CONTRACTOR REQUESTED CHANGES / FM&B COORDINATION
- 01/07/2025 - REVIEW RESPONSE
- 01/16/2025 - REVIEW RESPONSE

A9.1

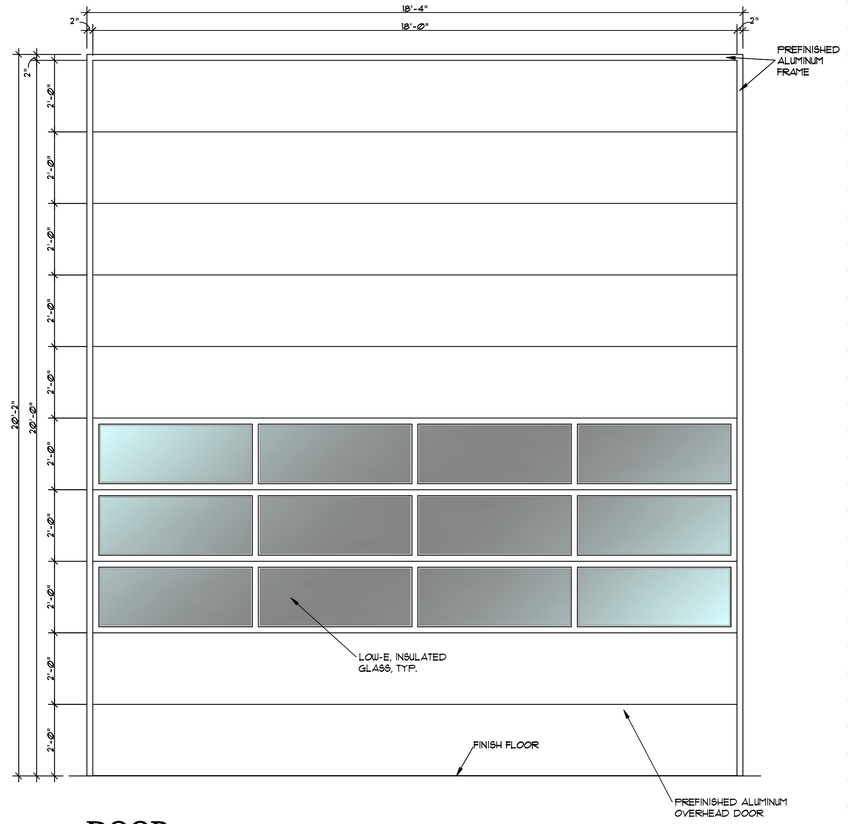
File #: 1376-A9.1.dwg
Drawing Name: FINISH & DOOR SCHEDULES, DOOR ELEVATIONS
Date: 07/19/2024
Drawn By: JDM

PETER H. MEIER — REGISTERED ARCHITECT — STATE OF TENNESSEE — No. 23960 — 07/19/2024



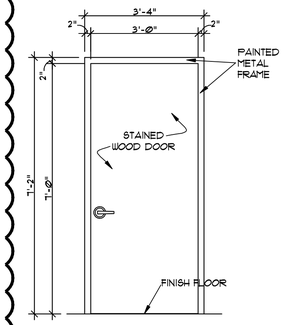
DOOR ELEVATION 6 A9.2

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



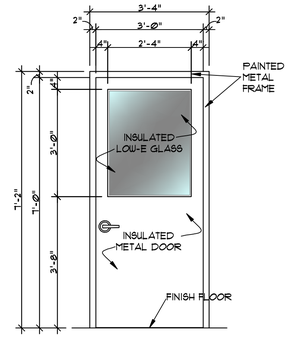
DOOR ELEVATION 7 A9.2

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



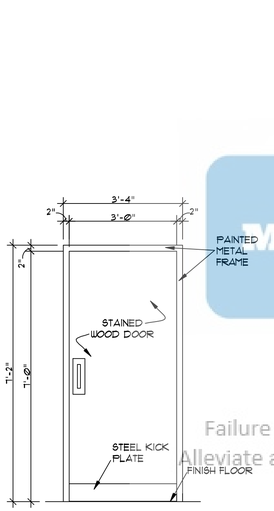
DOOR ELEVATION 8 A9.2

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



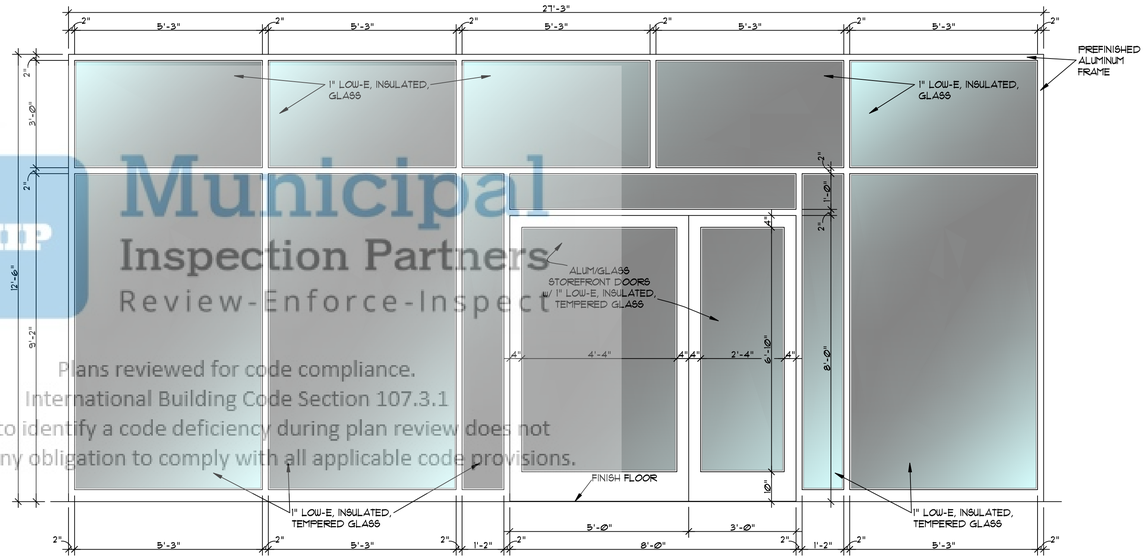
DOOR ELEVATION 9 A9.2

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



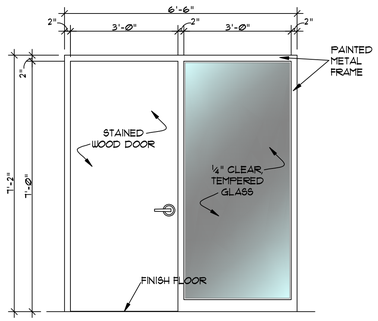
DOOR ELEVATION 10 A9.2

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



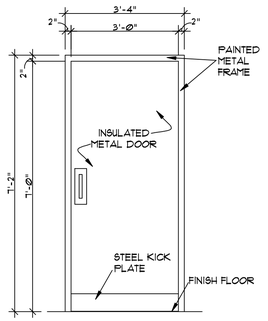
DOOR ELEVATION 11 A9.2

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



DOOR ELEVATION 12 A9.2

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



DOOR ELEVATION 13 A9.2

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

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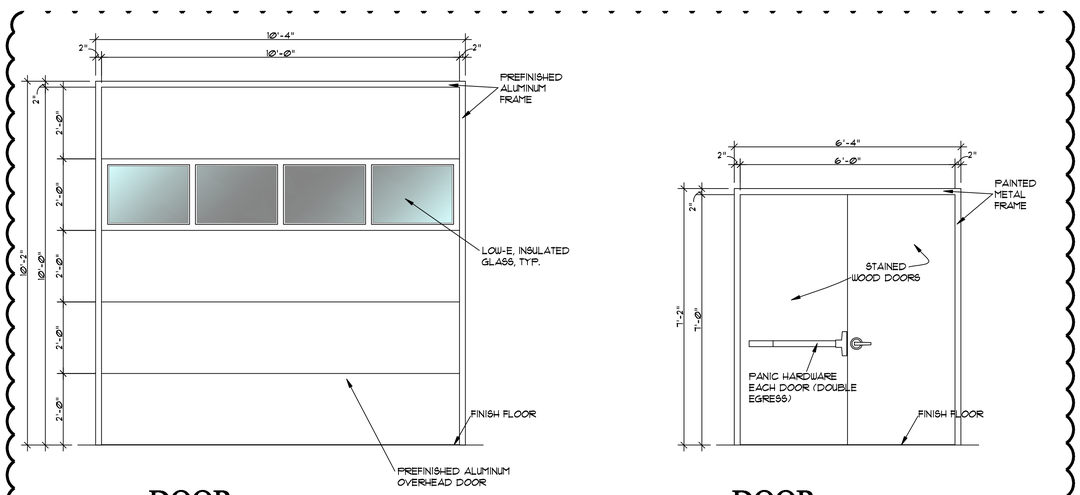
REVISIONS
1. 08/19/2024 - REVIEW RESPONSE & OWNER REQUESTED CHANGES
2.
3.
4.

A9.2

File #: 1376-A9.1.dwg
Drawing Name: DOOR ELEVATIONS
Date: 07/19/2024
Drawn By: JIM

PETER R. METTS
REGISTERED ARCHITECT
AGRICULTURE
No. 2960
STATE OF TENNESSEE
07/19/2024

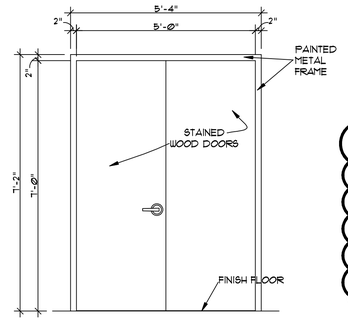


DOOR ELEVATION 14 A9.3

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

DOOR ELEVATION 15 A9.3

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



DOOR ELEVATION 16 A9.3

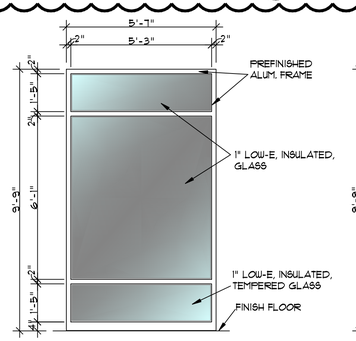
SCALE: 1/2" = 1'-0"

1

WINDOW SCHEDULE

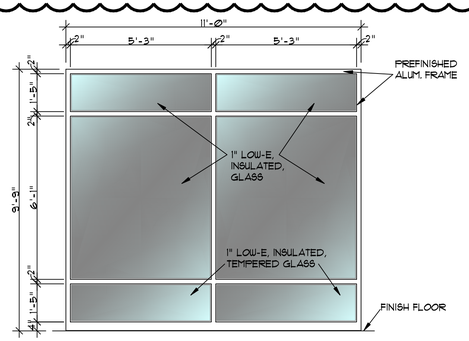
	WINDOW					GLASS		
TYPE	WIDTH	HEIGHT	TYPE	MAT'L	FINISH	TYPE	THICK	REMARKS
A	5'-7"	9'-9"	FIXED	ALUM/GLS	PREFIN.	INSUL.	1"	EXTERIOR STOREFRONT WINDOW
B	11'-0"	9'-9"	FIXED	ALUM/GLS	PREFIN.	INSUL.	1"	EXTERIOR STOREFRONT WINDOW
C	27'-3"	9'-9"	FIXED	ALUM/GLS	PREFIN.	INSUL.	1"	EXTERIOR STOREFRONT WINDOW SYSTEM
D	65'-2"	7'-2"	FIXED	ALUM/GLS	PREFIN.	INSUL.	1"	EXTERIOR STOREFRONT WINDOW SYSTEM
E	*REMOVED FROM SCOPE*							
F	5'-0"	5'-0"	FIXED	MTL/GLS	PREFIN.	CLEAR	¼"	INTERIOR WINDOW
G	6'-0"	5'-0"	FIXED	MTL/GLS	PREFIN.	CLEAR	¼"	INTERIOR WINDOW

1



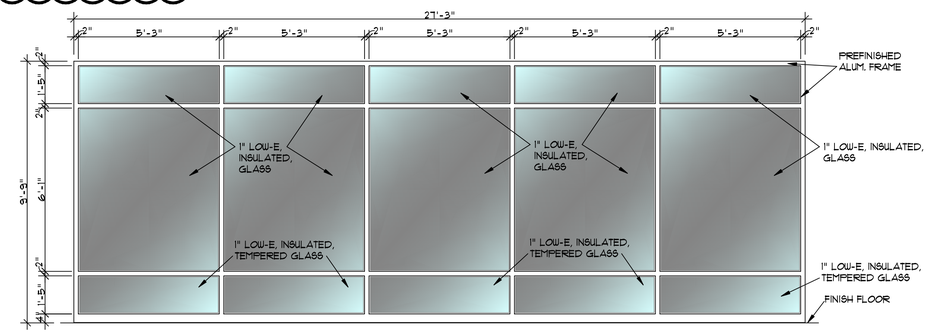
WINDOW TYPE A

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



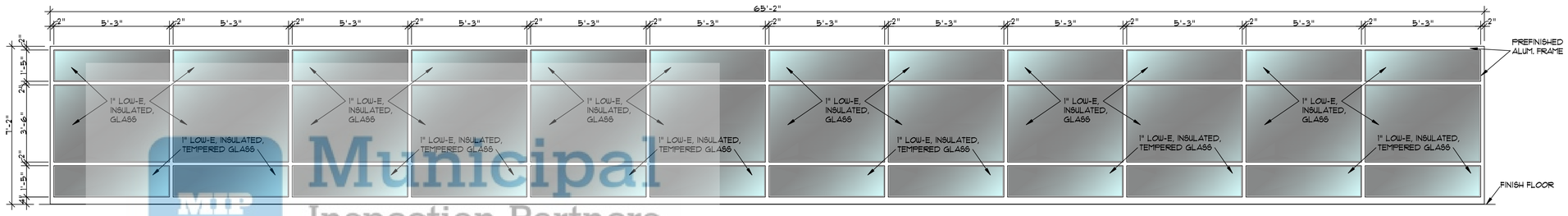
WINDOW TYPE B

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



WINDOW TYPE C

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



WINDOW TYPE D

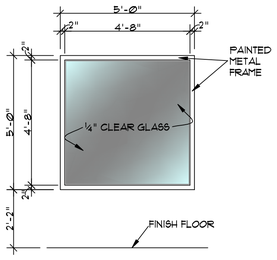
SCALE: 3/8" = 1'-0"

REMOVED FROM SCOPE

1

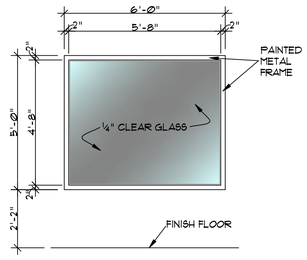
WINDOW TYPE E

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



WINDOW TYPE F

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



WINDOW TYPE G

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

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REVISIONS
1 08/19/2024 - REVIEW RESPONSE & OWNER REQUESTED CHANGES
2
3
4

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A9.3

File #: 13716-A9.1.dwg
Drawing Name: DOOR ELEVATIONS, WINDOW SCHEDULE & ELEVATIONS
Date: 07/19/2024
Drawn By: JIM

PETER R. METTS
REGISTERED AGRICULTURIST
No. 2990
STATE OF TENNESSEE
07/19/2024

GENERAL CONCRETE NOTES

1. ALL CONCRETE WORK SHALL CONFORM TO AC1 318 AND ALL LOCAL LAWS AND ORDINANCES.

2. FINISHING CREWS SHALL BE LARGE ENOUGH TO CORRECTLY PLACE, FINISH, AND CURE CONCRETE POUR WITH DUE REGARD TO THE EFFECTS OF TEMPERATURE AND ATMOSPHERIC CONDITIONS ON THE SETTING TIME OF THE CONCRETE AND THE SIZE OF THE PLACEMENT TO BE COMPLETED.

3. IN COLD WEATHER, ARRANGEMENTS SHALL BE MADE IN ADVANCE FOR HEATING, COVERING, INSULATING, OR ENCLOSING THE CONCRETE. SEE STRUCTURAL ENGINEER FOR RECOMMENDATION.

4. IN HOT WEATHER, SPECIAL PRECAUTIONS SHALL BE MADE AGAINST RAPID EVAPORATION, DRYING, & EXCESSIVE HIGH TEMPERATURES. SEE STRUCTURAL ENGINEER FOR RECOMMENDATIONS.

5. FINISH OPERATIONS SHALL NOT BE CARRIED OUT UNTIL SURFACE IS FREE OF BLEED WATER SO AS TO PREVENT SURFACE WEAKENING.

6. CONCRETE IS TO BE PLACED AS CLOSELY AS POSSIBLE TO ITS FINAL POSITION TO PREVENT SEGREGATION.

7. THE USE OF LOW-SLUMP CONCRETE WITH ADEQUATE CEMENT CONTENT & PROPERLY GRADED AGGREGATE SHALL BE USED TO MINIMIZE BLEEDING AND HELP ENSURE A MAINTENANCE-FREE SLAB. AIR ENTRAINMENT SHALL BE USED ON ALL EXTERIOR SLABS AND SLABS EXPOSED TO WEATHER AND/ OR DE-ICING CHEMICALS. TO REFER TO DESIGN MIX SPECIFICATIONS.

8. CONTRACTION JOINTS SHALL BE SAWED AT DESIGN DEPTH WITHIN 4-8 HRS OF CONCRETE PLACEMENT. UNLESS OTHERWISE SPECIFIED, JOINTS SHALL BE A MINIMUM OF 20' O.C. AND AT ALL SLAB STRESS CONCENTRATION POINTS, OR AS INDICATED ON PLANS. JOINTS SHALL BE CUT SQUARE TO SLAB WHENEVER PRACTICAL. JOINT DEPTH SHALL NOT EXCEED ONE-FOURTH OF THE DEPTH OF CONCRETE.

9. A CONCRETE SEALER SHALL BE APPLIED TO ALL SLABS UNLESS OTHERWISE SPECIFIED. CHECK WITH FLOOR FINISHES TO INSURE SEALER IS COMPATIBLE.

10. EDGE FORMS SHALL BE SET ACCURATELY & FIRMLY TO THE SPECIFIED ELEVATION, SHOULD BE STRAIGHT & FREE FROM WARPING, AND SHOULD HAVE SUFFICIENT STRENGTH TO PREVENT BULGING.

11. FORMWORK & SUBGRADE SHALL BE MOISTENED WITH WATER IN ADVANCE OF PLACING CONCRETE, BUT SHALL NOT HAVE PUDDLES OR WET, SOFT MUDDY SPOTS WHERE CONCRETE IS PLACED.

12. THE SUBGRADE ON WHICH A SLAB ON GRADE IS TO BE PLACED SHALL BE OF UNIFORM CAPACITY, LEVEL OR PROPERLY SLOPED, AND FREE OF SOD, ORGANIC MATTER, AND FROST.

13. VIBRATORY INSERTION TIME SHOULD BE KEPT BETWEEN 5 SECONDS FOR "LOOSE" CONCRETE AND 15 SECONDS FOR "STIFF" CONCRETE.

14. VIBRATORS SHALL NOT BE USED TO MOVE CONCRETE HORIZONTALLY TO PREVENT SEGREGATION.

15. RATE OF CONCRETE PLACEMENT SHALL BE RAPID ENOUGH SO THAT A LAYER OF CONCRETE HAS NOT SET WHEN A NEW LAYER IS PLACED UPON IT TO PREVENT COLD JOINTS. WHEN UNAVOIDABLE, KEYWAYS SHOULD BE USED TO PROVIDE AN ACCEPTABLE JOINT.

16. CONCRETE SHALL NOT BE ALLOWED TO FREE FALL MORE THAN 3 FT. IN ORDER TO PREVENT AGGREGATE SEGREGATION A MECHANICAL TREMIE POURING CHUTE SHALL BE USED TO CONFINE CONCRETE WHEN DROPS OF 3 FT OR MORE ARE ENCOUNTERED.

17. CONTROL AND EXPANSION JOINTS IN ALL FOUNDATION AND RETAINING WALLS SHALL BE NO MORE THAN 50 FEET APART AND SHALL HAVE A 3/4-INCH V-CHAMFER ON BOTH SIDES. JOINTS SHALL BE KEYED CONSTRUCTION JOINTS AND SHALL CONSIST OF SLICK GREASED 1/2" X 3'-0" DOWELS @ 12" O.C. CENTERED IN THE WALL. SEE PLANS FOR SPECIFIED LOCATIONS.

18. CONCRETE MIX DESIGNS SHALL PRODUCE A COMPRESSIVE STRENGTH MEETING OR EXCEEDING DESIGN COMPRESSIVE STRENGTH f'c AS SHOWN BELOW:

DESIGNATION	f'c	SLUMP	MAX. W/C RATIO
SLAB ON GRADE			
INTERIOR	4,000 psi	3 in.	0.55
EXTERIOR	4,000 psi	3 in.	0.45
ELEVATED SLAB	3,500 psi	3 in.	0.55
FOOTINGS	3,500 psi	3 in.	0.55
RETAINING/ FOUNDATION WALL	4,000 psi	3 in.	0.45

PRE-ENGINEERED BUILDING NOTES

1. PRE-ENGINEERED METAL BUILDING MANUFACTURER SHALL PROVIDE ALL STRUCTURAL ENGINEERING DESIGN ASSOCIATED WITH AND REQUIRED FOR THE PRE-ENGINEERED METAL BUILDING. STAMPED WORKING DRAWINGS AND DESIGN DATA SHALL BE SUBMITTED TO THE A/E PRIOR TO FABRICATION. FABRICATION SHALL NOT COMMENCE UNTIL APPROVAL IS RECEIVED FROM OWNER AND A/E.

2. PRE-ENGINEERED METAL BUILDING SHALL BE DESIGNED PER THE LOCAL AUTHORITATIVE JURISDICTION OR CODES REFERENCED ON THE ARCHITECT'S COVER PAGE, WHICHEVER IS MOST STRINGENT.

GENERAL CONCRETE REINFORCING NOTES

1. REINFORCING BARS SHALL CONFORM TO ASTM A615 OR A706 GRADE 60 STEEL. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.

2. REINFORCING PLACEMENT SHALL BE APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO PLACEMENT OF CONCRETE.

3. UNLESS OTHERWISE NOTED ON PLANS, REINFORCEMENT SPLICES SHALL NOT BE LESS THAN 24 BAR DIAMETERS. SPLICES MADE IN BOTTOM STEEL SHALL OCCUR AT SUPPORTS. SPLICES MADE IN TOP STEEL SHALL OCCUR AT MIDSPAN.

4. WELDED WIRE FABRIC SHALL BE LAPPED ONE FULL MESH WITH ENDS SECURELY TIED.

5. PROVIDE CORNER BARS AT ALL CONTINUOUS FOOTING INTERSECTIONS AND WALL CORNERS. BARS SHOULD BE AT MINIMUM THE SAME SIZE AND SPACING AS THE REINFORCING IN ADJOINING WALL OR FOOTING.

6. ALL CONCRETE ACCESSORIES SUCH AS SLAB BOLSTERS & CHAIRS SHALL BE METAL OR STRUCTURAL PLASTIC (OR CONCRETE BLOCKS WHEN APPROVED BY ENGINEER OF RECORD) . CLAY BRICKS AND ROCKS ARE NOT AN ACCEPTABLE MEANS OF SUPPORTING REINFORCING.

7. ALL REINFORCING SHALL BE IN ACCORDANCE WITH AC1 318 AND ALL LOCAL LAWS AND ORDINANCES.

8. CONCRETE COVER SHALL BE PROVIDED AS FOLLOWS:

DESIGNATION	NOT EXPOSED TO EARTH OR WEATHER	EXPOSED TO EARTH OR WEATHER	CAST AGAINST EARTH
SLABS, JOISTS, WALLS	3/4 in.	1-1/2 in.	3 in.
FOOTINGS	-	2 in.	3 in.
BEAMS, COLUMNS, PEDESTALS, TENSION TIES	1-1/2 in.	2 in.	3 in.

GENERAL STRUCTURAL STEEL NOTES

1. ALL STRUCTURAL STEEL SHALL CONFORM TO THE NINTH EDITION OF THE AISC MANUAL OF ALLOWABLE STRESS DESIGN.

2. ALL STRUCTURAL STEEL WIDE FLANGE MEMBERS SHALL BE ASTM A992 GRADE 50. ALL STEEL PIPE SECTIONS SHALL BE ASTM A53 GRADE B. ALL ANCHOR RODS SHALL BE ASTM F1554 GRADE 36 OR 55. ALL OTHER PLATES, ANGLES, CHANNELS AND OTHER STRUCTURAL SHAPES SHALL BE GRADE A36 OR A572 GRADE 50.

3. ALL BOLTED BEARING TYPE CONNECTIONS SHALL BE MADE WITH 3/4"Ø ASTM A325N TYPE BOLTS TIGHTENED TO THE "SNUG TIGHT" CONDITION.

4. ALL ANCHOR BOLTS SHALL BE ASTM F1554 GRADE 50 HEADED RODS. CONNECTIONS SHALL BE MADE WITH STANDARD ASTM A36 ROUND WASHERS AND ASTM A563 NUTS MINIMUM EMBEDMENT LENGTH SHALL BE 9-in.

5. THREADS ON ALL BOLTS AND RODS SHALL CONFORM TO THE UNITED STANDARD SERIES OF ANSI B18.1 AND SHALL HAVE CLASS 2A TOLERANCES.

6. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS USING ASTM E70 ELECTRODES.

7. WHEN WELDS ARE NOT CALLED OUT ON DRAWINGS, THEY ARE TO BE MINIMUM WELD SIZE CONTINUOUS WELDS IN ACCORDANCE WITH AWS D1.1. FILLET WELDS NOT SPECIFIED TO LENGTH SHALL BE CONTINUOUS.

8. PROVIDE FILLET WELDS AT ALL CONTACT JOINTS BETWEEN STEEL MEMBERS SUFFICIENT TO DEVELOP THE ALLOWABLE TENSILE STRENGTH OF THE SMALLER MEMBER AT THE JOINT.

9. METAL FORM DECK, ROOF DECK, AND CORRUFORM JOINTS SHALL BE MADE OVER THE TOP CHORD OF A JOIST OR THE TOP FLANGE OF A STEEL BEAM FOR PROPER ANCHORAGE.

GENERAL LIGHT GAUGE METAL FRAMING NOTES

1. ALL LIGHT GAUGE STEEL FRAMING SHALL CONFORM TO THE AMERICAN IRON AND STEEL INSTITUTE'S DESIGN AND CONSTRUCTION GUIDELINES, PUBLICATION NO. RG-934a, JUNE 1993.

2. ALL COLD-FORMED STEEL MEMBERS SHALL BE ZINC COATED IN ACCORDANCE WITH ASTM A924-95a.

3. ALL FRAMING MEMBERS SHALL BE FORMED FROM CORROSION RESISTANT STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A653.

4. TWO STUDS SHALL BE PROVIDED ON EACH SIDE OF WINDOW AND DOOR OPENINGS IN NON-LOAD BEARING WALLS. PROVIDE A MINIMUM OF THREE STUDS ON EACH SIDE OF OPENINGS IN LOAD BEARING WALLS.

5. THE CONTRACTOR SHALL SUBMIT FABRICATION AND ERECTION DRAWINGS TO THE STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO FRAMING FABRICATION.

6. AXIALLY LOADED STUDS SHALL BE INSTALLED IN A MANNER IN WHICH THE INSIDE WEBS OF THE STUD WILL BE IN CONTACT WITH THE RUNNER PRIOR TO FASTENING.

7. FASTEN COMPONENTS WITH CORROSION-RESISTANT SELF DRILLING SCREWS. ALL WELDS SHALL BE TOUCHED UP WITH CORROSION-RESISTANT ZINC PAINT.

8. ALL FRAMING COMPONENTS SHALL BE ALIGNED, PLUMBED, AND LEVELED.

9. RUNNERS SHALL BE SECURELY ANCHORED TO THE SUPPORTING STRUCTURE AS SHOWN ON THE DRAWINGS. ATTACHMENT SHALL BE ADEQUATE TO RESIST ALL APPLICABLE GRAVITY AND LATERAL LOADS. IN INSTANCES WHERE A GAP EXISTS BETWEEN THE END OF THE STUD AND THE RUNNER WEB. SHIM PLATES SHALL BE INSERTED AND SECURED TO ENSURE FULL BEARING AT THE END OF THE STUD.

10. TEMPORARY BRACING AND SHORING SHALL BE PROVIDED BY THE LIGHT GAUGE FRAMING CONTRACTOR UNTIL ERECTION IS COMPLETED.

11. RESISTANCE TO BENDING AND ROTATION ALONG THE MINOR AXIS SHALL BE PROVIDED IN ACCORDANCE WITH THE LIGHT GAUGE FRAMING MANUFACTURER'S RECOMMENDATIONS.

12. ALL STRAPS SHALL HAVE Fy = 50 ksi.

13. MEMBER SIZES INDICATED IN THE DRAWINGS ARE THE MINIMUM SIZE REQUIRED FOR THE DESIGN LOADS. CONTRACTOR SHALL PROVIDE MINIMUM GAUGE FOR STUDS, JOISTS, BRIDGING, AND BRACING AS REQUIRED FOR THE UL ASSEMBLIES SPECIFIED IN THE STRUCTURAL DRAWINGS.

14. CONTRACTOR SHALL ALIGN PREPUNCHED HOLES IN THE FRAMING MEMBERS FOR PLUMBING AND ELECTRICAL CONDUITS.

15. DESIGN ALL CONNECTIONS OF FRAMING MEMBERS TO EACH OTHER AND TO THE REST OF THE STRUCTURE UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS.

GENERAL SOIL BEARING NOTES

1. THE SOIL BEARING CAPACITY ON THIS PROJECT WAS ASSUMED TO BE 2,500 POUNDS PER SQUARE FOOT AS PER THE GEOTECHNICAL REPORT BY ENGINEERING & TESTING SOLUTIONS, LLC DATED JANUARY 19, 2024.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE THE BUILDING PAD AS PER THE RECOMMENDATIONS IN THE REFERENCED REPORT, AND TO ENGAGE THE SERVICES OF THE GEOTECHNICAL FIRM TO MONITOR THESE PREPARATIONS.

GENERAL NOTES

1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS FOR BIDDING AND CONSTRUCTION. CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS FOR COMPATIBILITY AND SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

2. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND DETERMINE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCING EXCAVATION AND NOTIFY ARCHITECT OF DISCREPANCIES AND CONFLICTS.

3. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING FOR THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETE IN ACCORDANCE WITH THE PLANS.

4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THE WORK. THE STRUCTURAL ENGINEER HAS NO OVERALL SUPERVISION/ AUTHORITY OR ACTUAL AND/ OR DIRECT RESPONSIBILITY FOR THE SPECIFIC WORKING CONDITIONS AT THE SITE AND/ OR FOR ANY HAZARDS RESULTING FROM THE ACTIONS OF ANY TRADE CONTRACTOR. THE STRUCTURAL ENGINEER HAS NO DUTY TO INSPECT, SUPERVISE, NOTE, CORRECT, OR REPORT ANY HEALTH OR SAFETY DEFICIENCIES OF THE OWNER, CONTRACTORS, OR OTHER ENTITIES OR PERSONS AT THE PROJECT SITE.

LIVE LOAD VALUES

1. FLOOR LIVE LOADS:	OFFICE/ ADMIN.....50psf PARTS STORAGE.....125psf SERVICE BAYS.....100psf
2. ROOF LIVE LOADS:	ROOF.....20psf
3. RISK CATEGORY:	RISK CATEGORY II
4. WIND LOADS:	EXPOSURE CATEGORY.....B WIND SPEED.....115mph IMPORTANCE FACTOR, Iw.....1.0 INTERNAL PRESSURE COEFFICIENT.....±0.18 TOPOGRAPHICAL FACTOR Kzt.....1.00
5. SNOW LOAD	GROUND SNOW LOAD.....10psf FLAT ROOF SNOW LOAD.....10psf SNOW EXPOSURE CATEGORY.....1.0 SNOW LOAD IMPORTANCE FACTOR.....1.0 THERMAL FACTOR.....1.0
6. GUARDRAIL LIVE LOAD:	CONCENTRATED LOAD.....200 lbs UNIFORM LOAD.....50plf

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STRUCTURAL NOTES

File #: 24-39
Drawing Name:
Date: 07/19/2024
Drawn By: GAB

GARY A. BOUTON
REGISTERED ENGINEER
AGRICULTURE
7-19 2024
COMMERCE
No. 110852
STATE OF TENNESSEE

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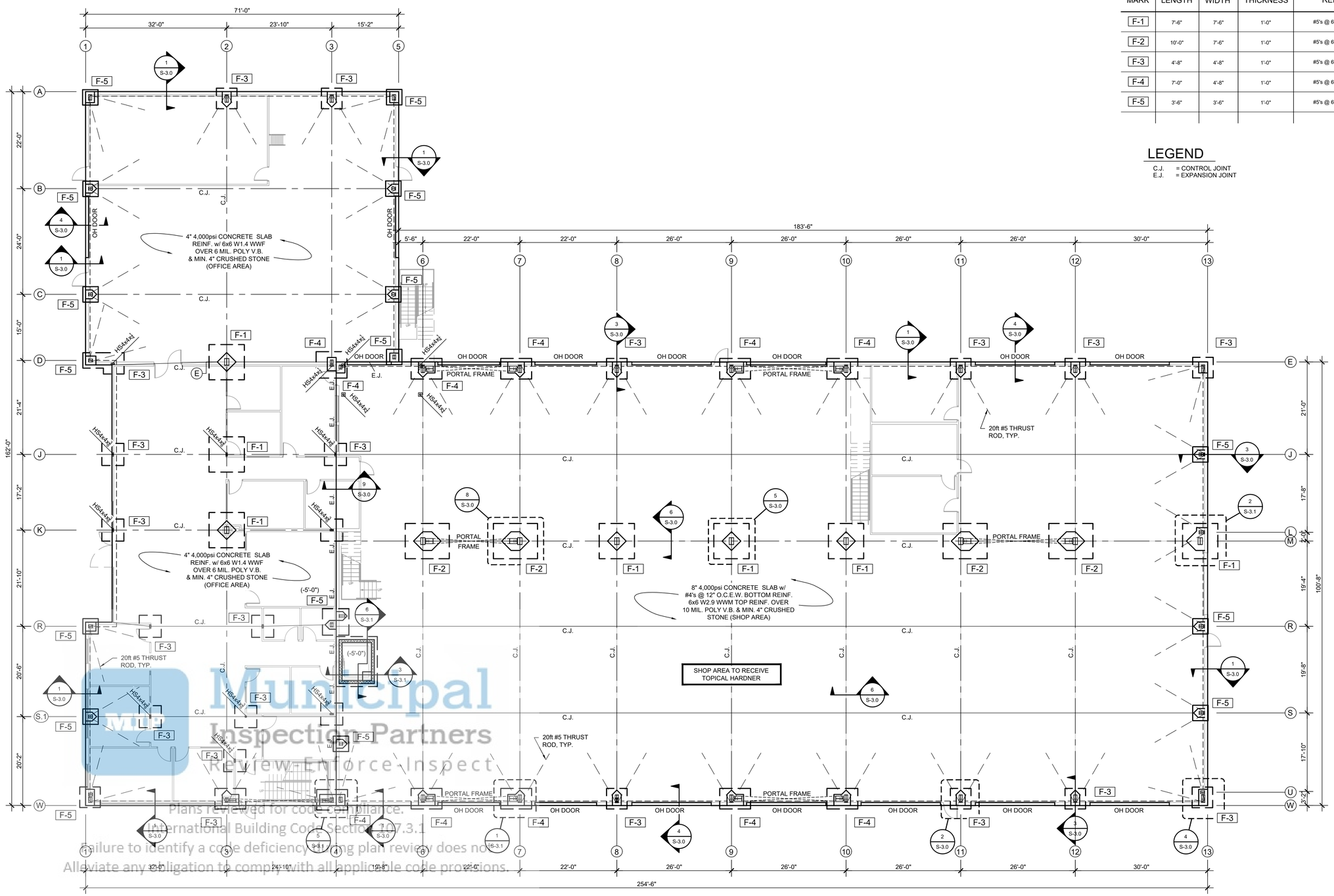
CONC. COLUMN FTG. SCHEDULE

MARK	LENGTH	WIDTH	THICKNESS	REINF.
F-1	7'-6"	7'-6"	1'-0"	#5's @ 6" O.C.E.W.
F-2	10'-0"	7'-6"	1'-0"	#5's @ 6" O.C.E.W.
F-3	4'-8"	4'-8"	1'-0"	#5's @ 6" O.C.E.W.
F-4	7'-0"	4'-8"	1'-0"	#5's @ 6" O.C.E.W.
F-5	3'-6"	3'-6"	1'-0"	#5's @ 6" O.C.E.W.

LEGEND

C.J. = CONTROL JOINT
E.J. = EXPANSION JOINT



1 S-1.0 FOUNDATION PLAN
SCALE: 1/16" = 1'-0"

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Drawn By: GAB

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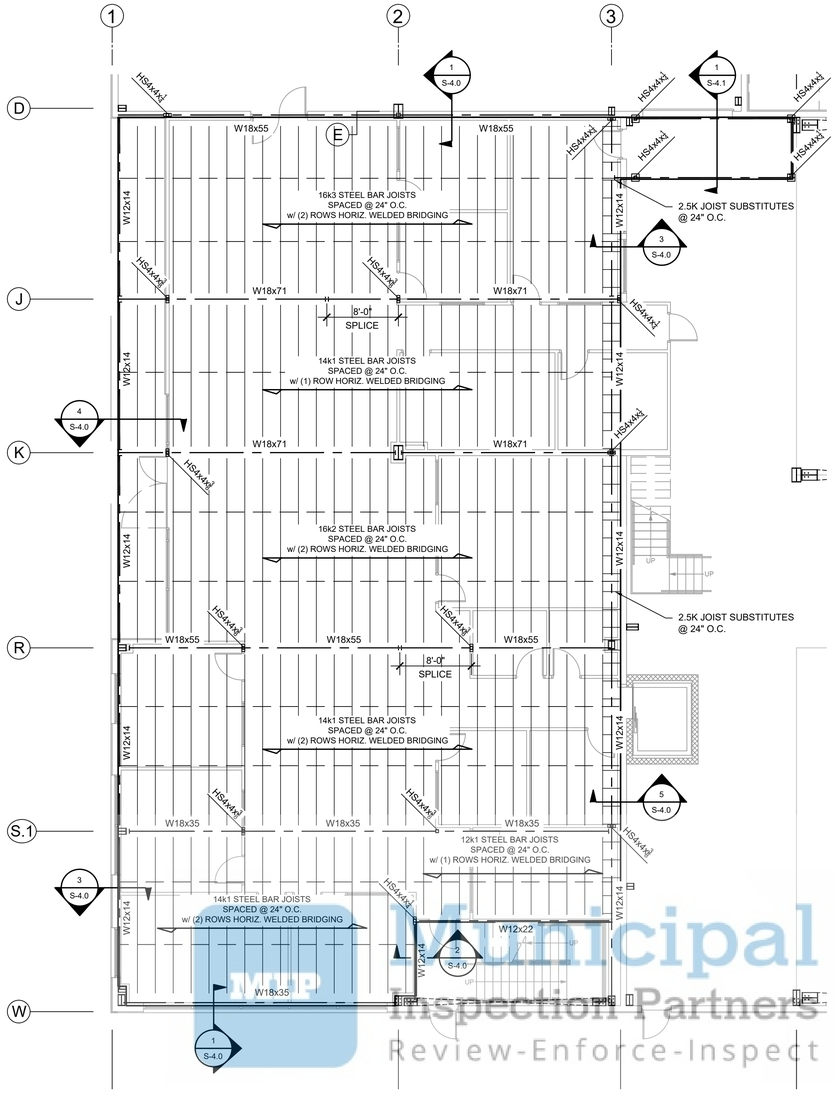
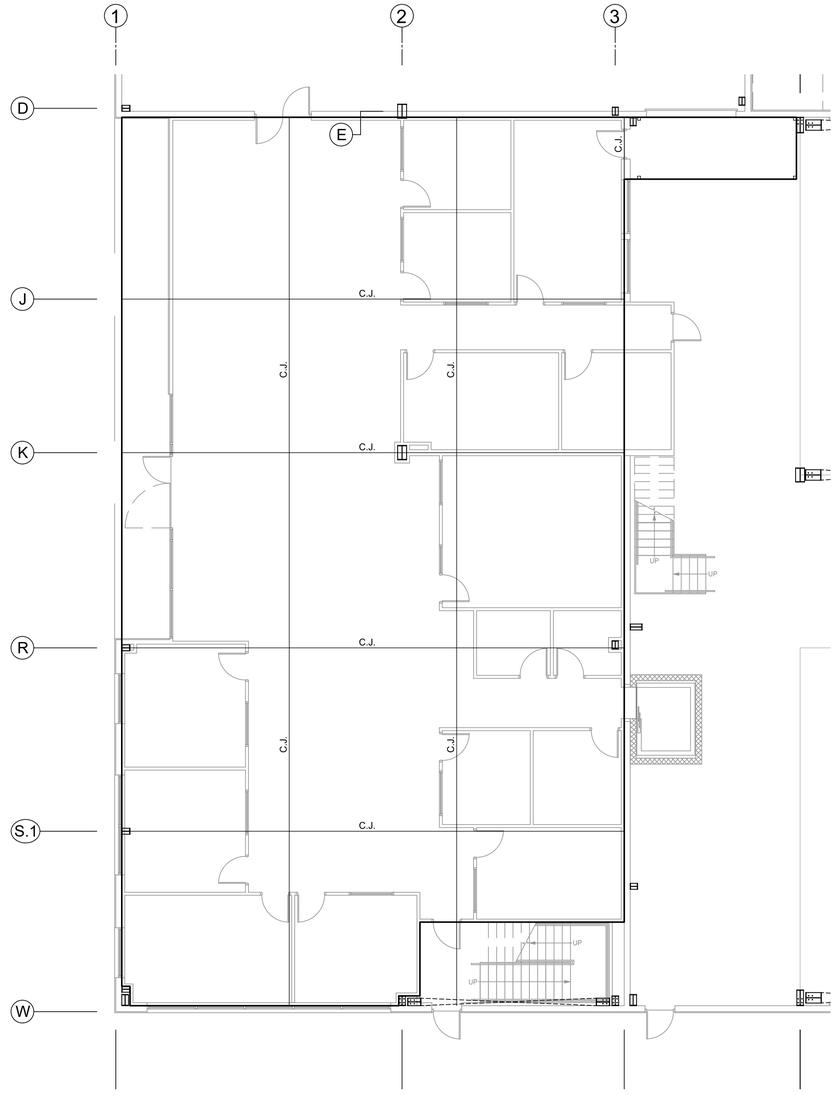
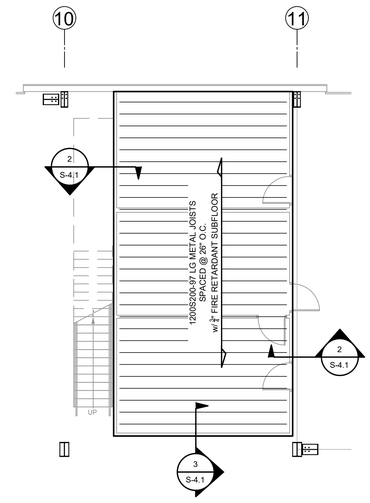


1 S-2.0 SECOND LEVEL FRAMING PLAN
SCALE: 1/8" = 1'-0"



2 S-2.0 SECOND LEVEL CONTROL JOINT LAYOUT PLAN
SCALE: 1/8" = 1'-0"

LEGEND
C.J. = CONTROL JOINT



3 S-2.0 SECOND LEVEL FRAMING PLAN
SCALE: 1/8" = 1'-0"

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File #: 24-39
Drawing Name: SECOND LEVEL FRAMING PLAN
Date: 07/19/2024
Drawn By: GAB

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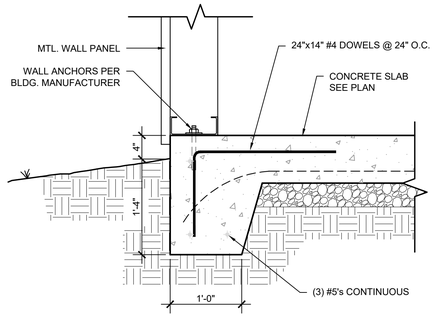
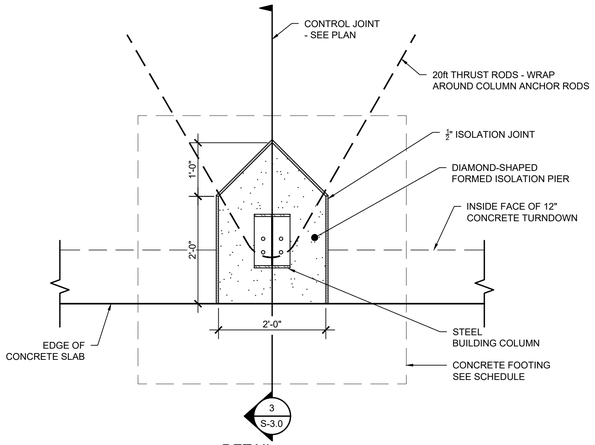
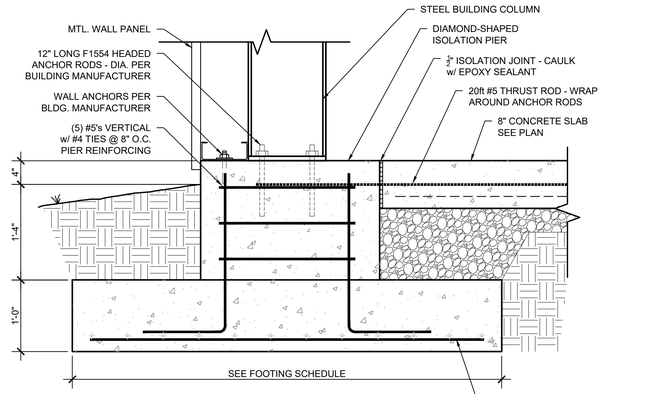


1 S-3.0 SECTION EDGE OF SLAB
SCALE: 1" = 1'-0"



2 S-3.0 DETAIL BUILDING COLUMN PIER
SCALE: 3/4" = 1'-0"



3 S-3.0 SECTION EDGE OF SLAB AT BLDG COLUMN PIER
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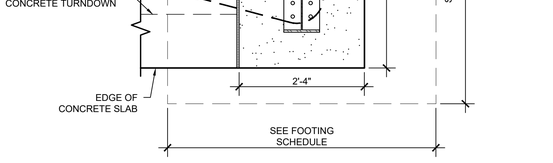

4 S-3.0 DETAIL CORNER COLUMN FOOTING
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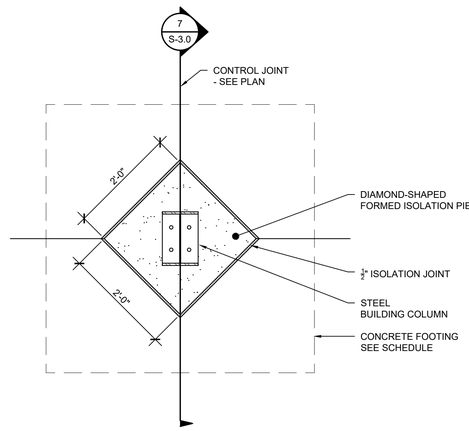
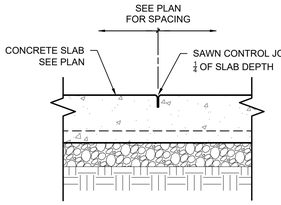


5 S-3.0 DETAIL INTERIOR COLUMN PIER
SCALE: 3/4" = 1'-0"



6 S-3.0 DETAIL SAWN CONTROL JOINT
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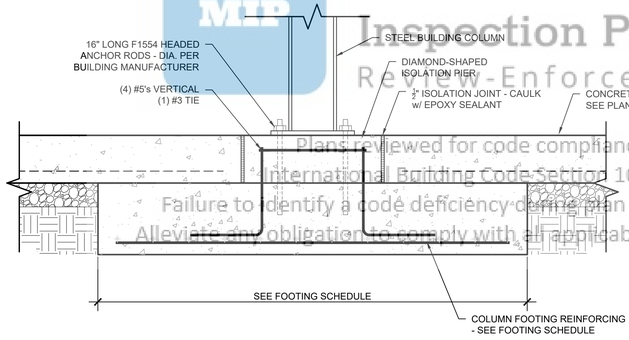

7 S-3.0 SECTION INTERIOR COLUMN FOOTING
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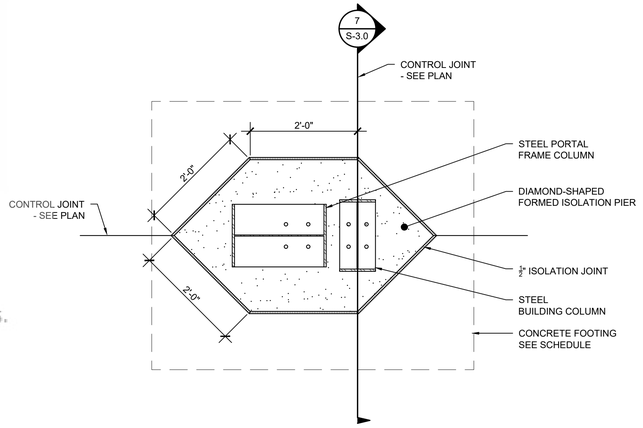

8 S-3.0 DETAIL INTERIOR COLUMN PIER
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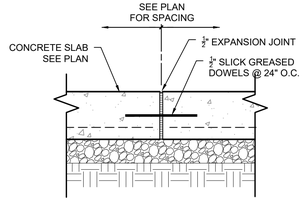

9 S-3.0 DETAIL EXPANSION JOINT
SCALE: 1" = 1'-0"

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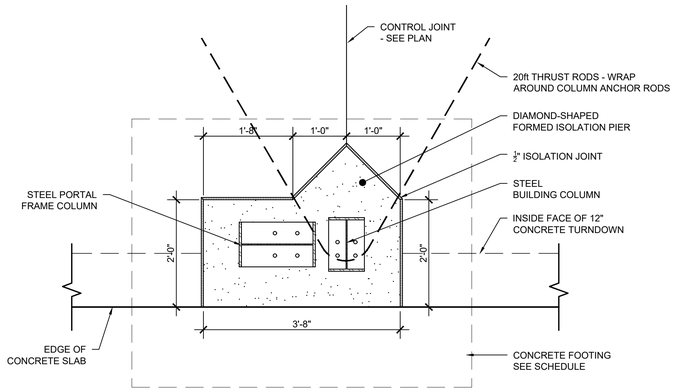
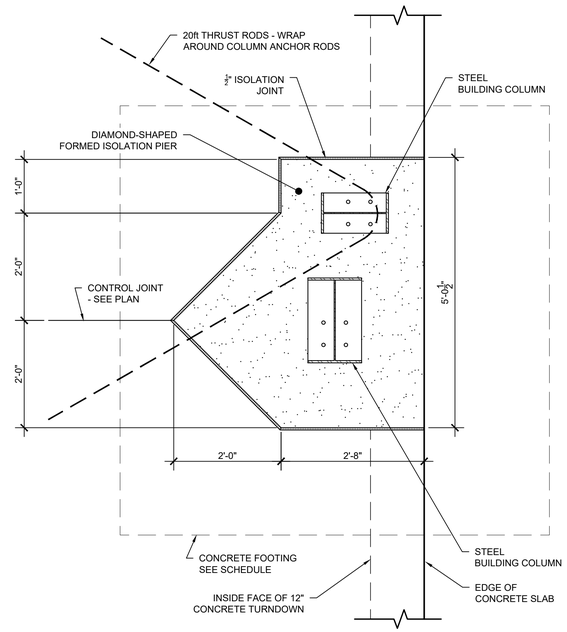
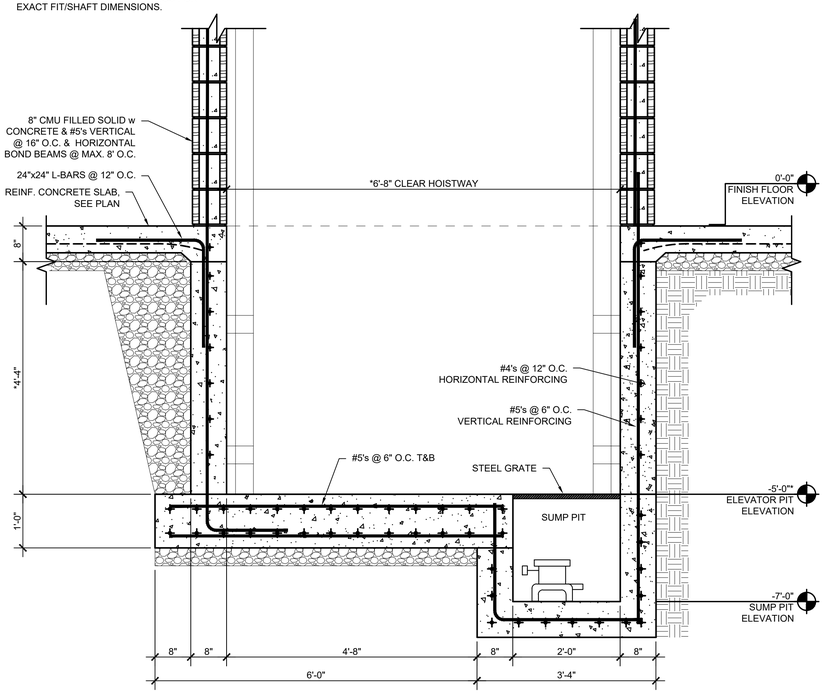


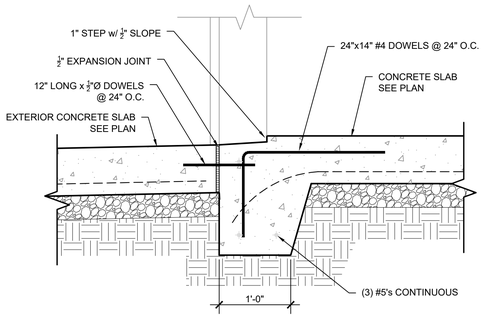
1 S-3.1 DETAIL
PORTAL FRAME COLUMN FOOTING
SCALE: 3/4" = 1'-0"



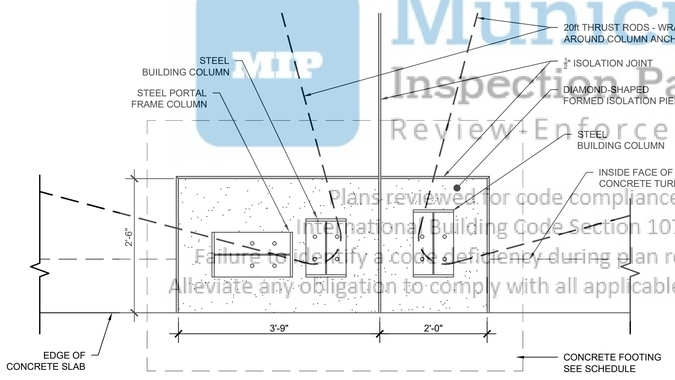
2 S-3.1 DETAIL
BUILDING COLUMN FOOTING
SCALE: 3/4" = 1'-0"



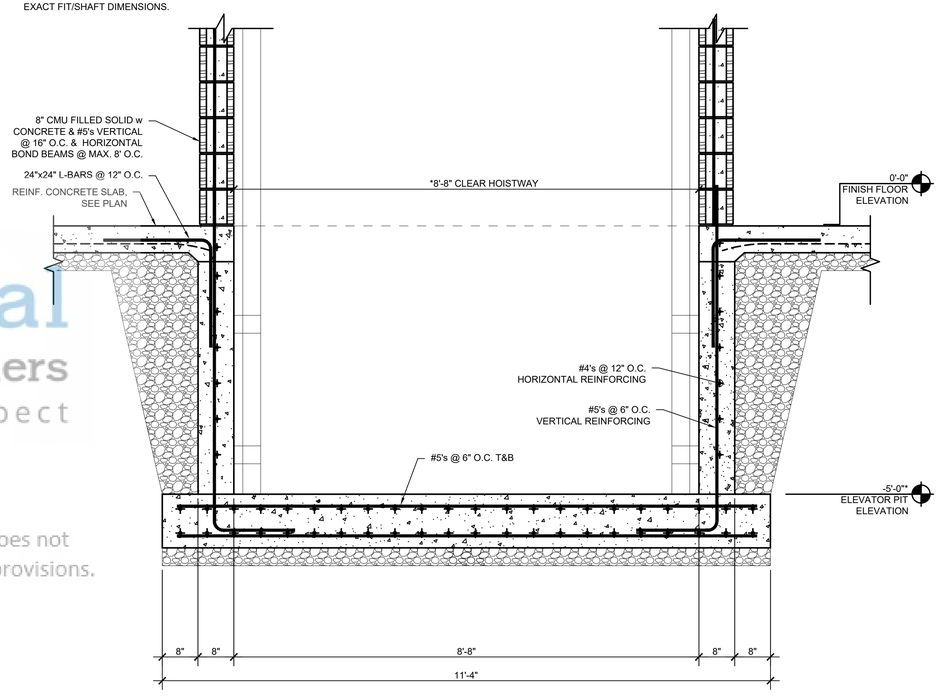
3 S-3.1 DETAIL
ELEVATOR PIT
SCALE: 3/4" = 1'-0"



4 S-3.0 SECTION
EDGE OF SLAB @ OVERHEAD DOOR
SCALE: 1" = 1'-0"



5 S-3.0 SECTION
CORNER COLUMN FOOTING
SCALE: 3/4" = 1'-0"



7 S-3.1 DETAIL
ELEVATOR PIT
SCALE: 3/4" = 1'-0"

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Drawing Name:
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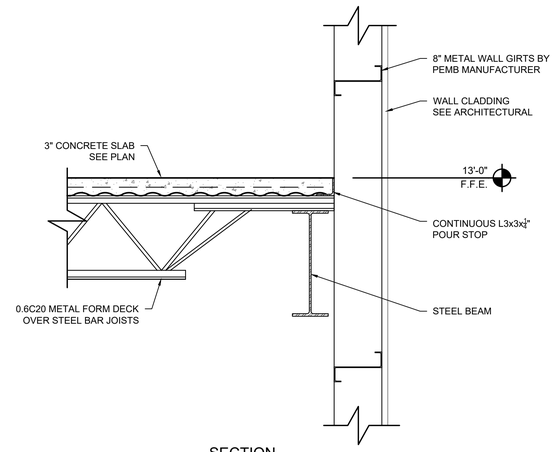
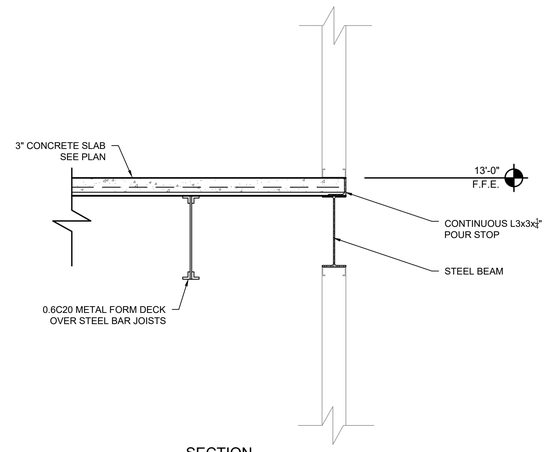


1 S-4.0 SECTION EDGE OF ELEVATED SLAB
SCALE: 1" = 1'-0"



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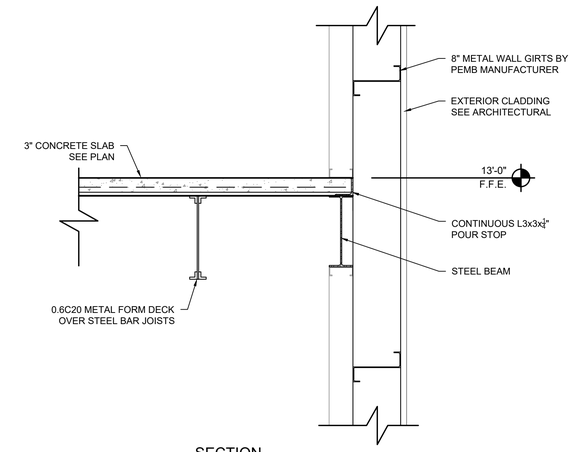
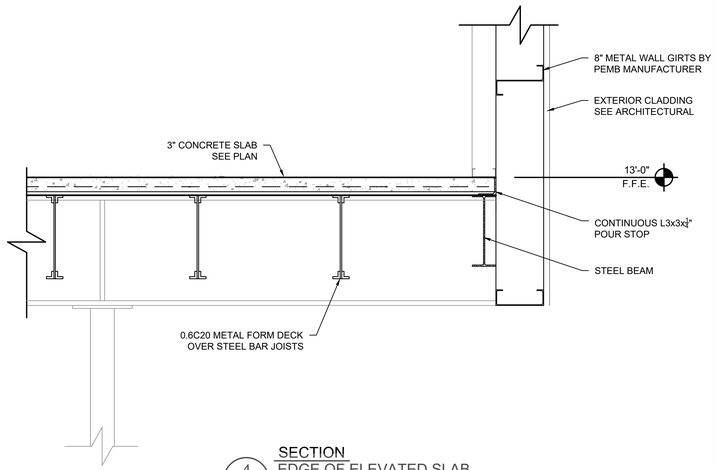
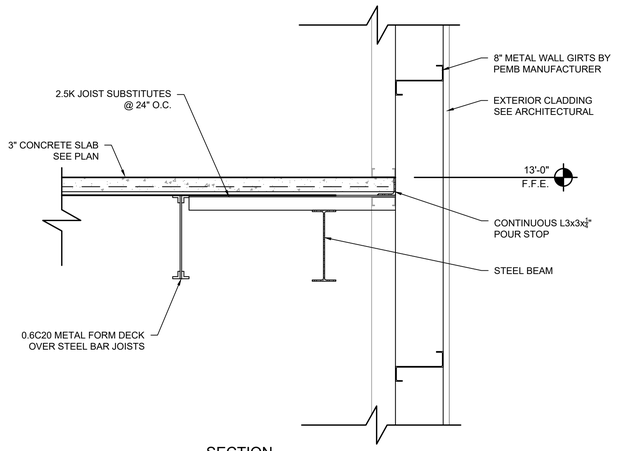


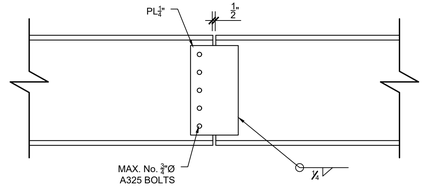
3 S-4.0 SECTION EDGE OF ELEVATED SLAB
SCALE: 1" = 1'-0"



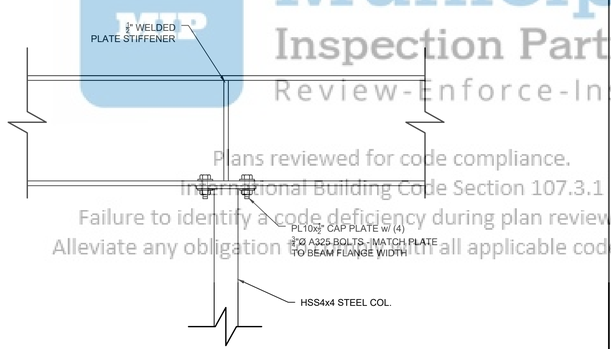
4 S-4.0 SECTION EDGE OF ELEVATED SLAB
SCALE: 1" = 1'-0"



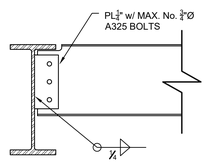
5 S-4.0 SECTION EDGE OF ELEVATED SLAB
SCALE: 1" = 1'-0"



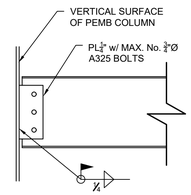
6 S-4.0 SECTION TYPICAL BEAM SPLICE
SCALE: 1" = 1'-0"



7 S-4.0 SECTION TYPICAL BEAM-COLUMN CONNECTION
SCALE: 1" = 1'-0"



8 S-4.0 SECTION TYPICAL BEAM-BEAM CONNECTION
SCALE: 1" = 1'-0"



9 S-4.0 SECTION TYPICAL BEAM CONNECTION TO PEMB COLUMN
SCALE: 1" = 1'-0"

NFD FIRE MARSHAL

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REVISIONS
08/19/2024 - REVIEW RESPONSE & OWNER REQUESTED CHANGES

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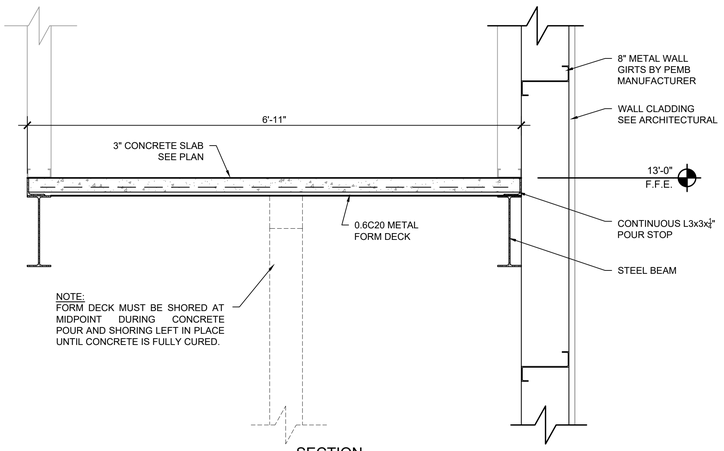
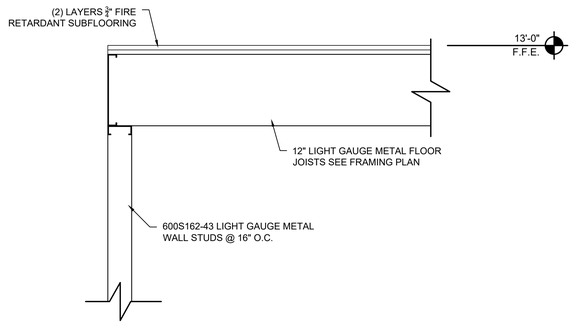
S-4.0

File #: 24-39 | FLOOR FRAMING DETAILS
Drawing Name: | Date: 07/19/2024
Drawn By: GAB

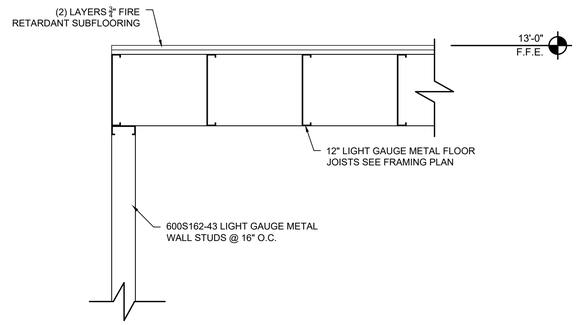
GARY A. BOUTON REGISTERED ENGINEER AGRICULTURE COMMERCIAL No. 110882 STATE OF TENNESSEE 7-19-2024



1 S-4.1 SECTION EDGE OF ELEVATED SLAB
SCALE: 1" = 1'-0"



2 S-4.1 SECTION EDGE OF ELEVATED FLOOR
SCALE: 1" = 1'-0"



3 S-4.1 SECTION EDGE OF ELEVATED FLOOR
SCALE: 1" = 1'-0"

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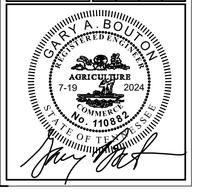
S-4.1

File #: 24-39 FLOOR FRAMING DETAILS
Drawing Name:
Date: 07/19/2024
Drawn By: GAB



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ELECTRIC HEATER SCHEDULE

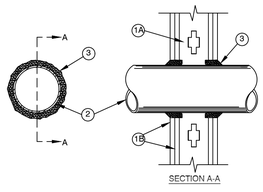
TAG	DESCRIPTION	KW	VOLT/ PHASE	AMP	MANUFACTURER	NOTES
EH-1	WALL HEATER	2	208/1	9.6	Q-MARK CWH1208DSAG	1,3,4
EH-2	WALL HEATER	1	208/1	4.8	Q-MARK CWH1208DSAG	1,3,4

NOTES:
1. INTEGRAL THERMOSTAT
2. REMOTE THERMOSTAT, PROTECTIVE COVER
3. INTEGRAL DISCONNECT
4. RECESSED WALL ENCLOSURE

DUCTLESS MINI-SPLIT INDOOR (MSI) AND OUTDOOR (MSO) SCHEDULE

INDOOR UNIT TAG	DESCRIPTION	TRANE MODEL NUMBER
MSI-1	CASSETTE DUCTLESS AIR HANDLER, NOMINAL 1 TON, 12 MBH COOLING, 14 MBH HEATING, WIRED THERMOSTAT, CONDENSATE PUMP	TPLA0A012
MSI-2A,2B	CASSETTE DUCTLESS AIR HANDLER, NOMINAL 2.5 TON, 30 MBH COOLING, 33 MBH HEATING, WIRED THERMOSTAT, CONDENSATE PUMP	TPLA0A030
MSI-3	CASSETTE DUCTLESS AIR HANDLER, NOMINAL 2.5 TON, 30 MBH COOLING, 32 MBH HEATING, WIRED THERMOSTAT, CONDENSATE PUMP	TPLA0A030
MSI-4	HIGH WALL DUCTLESS AIR HANDLER, NOMINAL 1 TON, 12 MBH COOLING, 14 MBH HEATING, WIRED THERMOSTAT, CONDENSATE PUMP	TPKA0A012
OUTDOOR UNIT TAG	**DESCRIPTION**	**TRANE MODEL NUMBER**
MSO-1	SINGLE-ZONE INVERTER SYSTEM HEAT PUMP, 27 SEER, NOMINAL 1 TON, 12 MBH COOLING, 14 MBH HEATING 208/1V, 11 MCA, 15 MOP	TRUZA012
MSO-2	MULTI-ZONE INVERTER SYSTEM HEAT PUMP, 17.8 SEER, NOMINAL 5 TON, 60 MBH COOLING, 66 MBH HEATING 208/1V, 36 MCA, 50 MOP	NTXMSM60
MSO-3	SINGLE-ZONE INVERTER SYSTEM HEAT PUMP, 19.8 SEER, NOMINAL 2.5 TON, 30 MBH COOLING, 32 MBH HEATING 208/1V, 17 MCA, 25 MOP	TRUZA030
MSO-4	SINGLE-ZONE INVERTER SYSTEM HEAT PUMP, 27 SEER, NOMINAL 1 TON, 12 MBH COOLING, 14 MBH HEATING 208/1V, 11 MCA, 15 MOP	TRUZA012

System No.W-L-1001
June 15, 2005
F Ratings - 1, 2, 3 and 4 Hr (See Items 2 and 3)
T Ratings - 0, 1, 2, 3, and 4 Hr (See Item 3)
L Rating At Ambient - less than 1 CFM/sq ft
L Rating At 400 F - less than 1 CFM/sq ft



SECTION A-A

1. Wall Assembly - The 1, 2, 3 or 4 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs - Wall framing may consist of either wood studs (max 2 hr fire rated assemblies) or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min 3-5/8 in. (92 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) OC.

B. Gypsum Board* - Nom 1/2 or 5/8 in. (13 or 16 mm) thick, 4 ft. (122 cm) wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 26 in. (660 mm).

2. Through Penetrant - One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min 0 in. (0 mm) (point contact) to max 2 in. (51 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. Steel Pipe - Nom 24 in. (610 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
B. Iron Pipe - Nom 24 in. (610 mm) diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in. (305 mm) diam (or smaller) or Class 50 (or heavier) ductile iron pressure pipe.
C. Conduit - Nom 6 in. (152 mm) diam (or smaller) steel conduit or nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing.
D. Copper Tubing - Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing
E. Copper Pipe - Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
F. Through Penetrating Product* - Flexible Metal Piping - The following types of steel flexible metal gas piping may be used:

1. Nom 2 in. (51 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

OMEGA FLEX INC

2. Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

TITEFLEX CORP
A BUNDY CO

3. Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

WARD MFG INC

3. Fill,Void or Cavity Material* - Caulk or Sealant - Min 5/8. 1-1/4,1-7/8 and 2-1/2 in. (16, 32, 48 and 64 mm) thickness of caulk for 1, 2, 3 and 4 hr rated assemblies, respectively, applied within annulus, flush with both surfaces of wall. Min 1/4 in. (6 mm) diam bead of caulk applied to gypsum board/penetrant interface at point contact location on both sides of wall.
The hourly F Rating of the firestop system is dependent upon the hourly fire rating of the wall assembly in which it is installed, as shown in the following table.
The hourly T Rating of the firestop system is dependent upon the type or size of the pipe or conduit and the hourly fire rating of the wall assembly in which it is installed, as tabulated below:

+When copper pipe is used, T Rating is 0 hr.

3M COMPANY - CP 25WB+ caulk or FB-3000 WT sealant,

*Bearing the UL Classification Marking

AIR HANDLER / FURNACE SCHEDULE (AH)

TAG	NOM TONS	BLOWER			HEATING			ELECTRICAL			TRANE MODEL NUMBER	NOTES
		SUPPLY CFM	OA CFM	HP	INPUT MBH	OUTPUT MBH	AFUE	VOLT	MCA	MOP		
AH-1	2	800	120	1/2	40	38.8	95%	120	8.8	15	S9X1B040	HORIZONTAL
AH-2	2	800	120	1/2	40	38.8	95%	120	8.8	15	S9X1B040	HORIZONTAL

1. PROVIDE CONCENTRIC VENT / COMBUSTION AIR TERMINAL FOR EACH FURNACE.
2. EVAPORATOR COIL SHALL BE MATCHED TO CONDENSER.
3. VERIFY EXACT ELECTRICAL RATINGS PRIOR TO ORDERING EQUIPMENT, CONFIRM REQUIREMENTS WITH ELECTRICAL CONTRACTOR.

CONDENSING UNIT SCHEDULE (CU)

TAG	NOM TONS	COOLING			ELECTRICAL			TRANE MODEL NUMBER	NOTES
		TOTAL MBH	SENS MBH	EER SEER	VOLT/ PHASE	MCA	MOP		
CU-1	2	24.3	17.9	14.3	208/1	14	25	4TTR4024	
CU-2	2	24.3	17.9	14.3	208/1	14	25	4TTR4024	

1. THERMOSTATS SHALL BE ELECTRONIC, FULLY PROGRAMMABLE WITH SETBACK FEATURES, AND BACKLIT SCREEN. EQUAL TO HONEYWELL VISION PRO 8000.
2. FACTORY SIZE THE REFRIGERATION PIPING, TAKING INTO CONSIDERATION THE ACTUAL ROUTING AND INSTALLATION CONDITIONS. INSULATE SUCTION LINE WITH MINIMUM 3/4" ARMFLEX. INSTALL LIQUID LINE SIGHT GLASS.
3. VERIFY EXACT ELECTRICAL RATINGS PRIOR TO ORDERING EQUIPMENT, CONFIRM REQUIREMENTS WITH ELECTRICAL CONTRACTOR.

ROOF EXHAUST FAN SCHEDULE (RF)

TAG	WEIGHT	CFM	STATIC	HP	DRIVE	VOLTAGE	ROOF OPENING SIZE	AREA SERVED	GREENHECK CATALOG NUMBER	NOTES
RF-1	500 LBS	13000	.125	1	BELT	480/3V	48x48	SHOP	RBU-2L42	
RF-2	500 LBS	13000	.125	1	BELT	480/3V	48x48	SHOP	RBU-2L42	
RF-3	500 LBS	13000	.125	1	BELT	480/3V	48x48	SHOP	RBU-2L42	

NOTES:
1. UPBLAST PROPELLER, STEEL CONSTRUCTION, GRAVITY DAMPER, ROOF CURB.

WALL EXHAUST FAN SCHEDULE (WEF)

TAG	TYPE	CFM	HP	DRIVE	VOLT	SIZE	AREA SERVED	GREENHECK CATALOG NUMBER	NOTES
WEF-1	WALL PROP	11500	1	BELT	480/3	51-3/4x51-3/4	PARTS	SBE-1H42	

NOTES:
CENTRIFUGAL - WALL MOUNT, SPUN ALUMINUM CONSTRUCTION, BACKDRAFT DAMPER

WALL PROP - PACKAGED WALL FAN, STEEL CONSTRUCTION WITH INTEGRAL HOUSING, SHUTTER AND INLET GUARD

INTAKE LOUVER SCHEDULE (IL)

TAG	SIZE	DRIVE VOLTAGE	TYPE	AREA SERVED	GREENHECK CATALOG NUMBER	NOTES
IL-1	66"x52"	277	COMBINATION	SHOP	EACA-601	
IL-2	66"x60"	277	COMBINATION	SHOP	EACA-601	
IL-3	66"x60"	277	COMBINATION	SHOP	EACA-601	
IL-4	66"x60"	277	COMBINATION	SHOP	EACA-601	

NOTES:
1. COMBINATION LOUVER EXTRUDED ALUMINUM FRAME, 6" DEEP, FRONT STATIONARY DRAINABLE BLADES, SCREEN, 47% FREE AREA, FLANGE, 120V ACTUATOR.
2. STATIONARY LOUVER, EXTRUDED ALUMINUM FRAME, 4" DEEP, DRAINABLE BLADES, BIRDSCREEN, 54% FREE AREA, FLANGE.

GAS UNIT HEATER SCHEDULE (GUH)

TAG	DESCRIPTION	INPUT MBH	EFFICIENCY	CFM	TEMP RISE	REZNOR MODEL NUMBER
GUH-1	GAS UNIT HEATER, POWER VENT, SPARK IGNITION, THERMOSTAT, ALUMINUM HEAT EXCHANGER, CEILING HANGER KIT, VENT REDUCER, 120V	150	83	1921	60	UDXC150
GUH-2,3, 4,5,6,7	GAS UNIT HEATER, HIGH STATIC BLOWER, POWER VENT, SPARK IGNITION, THERMOSTAT, ALUMINUM HEAT EXCHANGER, CEILING HANGER KIT, VENT REDUCER, 120V	150	83	2049	60	UBXC150

CEILING CIRCULATION FAN SCHEDULE (CF)

TAG	DIAMETER	VOLTAGE	HP	WEIGHT	MAX RPM	HUNTER CATALOG NUMBER	NOTES
CF-1	16'-0"	208/1V	1.5	175 lb	95	TITAN 16	
CF-2	16'-0"	208/1V	1.5	175 lb	95	TITAN 16	
CF-3	16'-0"	208/1V	1.5	175 lb	95	TITAN 16	

NOTES:
ANALOG SPEED CONTROL
DOWNROD MOUNT

ROOF TOP UNIT GAS PACK SCHEDULE (RTU)

TAG	NOM TONS	WEIGHT LBS	BLOWER			COOLING			HEATING			ELECTRICAL			TRANE MODEL NUMBER	NOTES
			SUPPLY CFM	OA CFM	HP	TOTAL MBH	SENS MBH	EER SEER	INPUT MHB	OUTPUT MHB	AFUE	VOLT/ PHASE	MCA	MOP		
RTU-1	15	2500	6000	600	3	188.6	144	14.2	240	194	81	480/3	36	45	GCC180	PROVIDE ECONOMIZER
RTU-2	6	1250	2400	700	3	76.6	58.6	14.6	80	64.8	81	480/3	18	20	YSJ120	PROVIDE ECONOMIZER
RTU-3	10	1350	4000	400	3	124.4	96.1	15.1	150	121.5	81	480/3	29	40	YHJ120	PROVIDE ECONOMIZER

1. THERMOSTATS SHALL BE ELECTRONIC, FULLY PROGRAMMABLE WITH SETBACK FEATURES, AND BACKLIT SCREEN. EQUAL TO HONEYWELL VISION PRO 8000.
2. PROVIDE A 14" ROOF CURB, COMPATIBLE WITH ROOF CONSTRUCTION, VERIFY WITH ROOFING CONTRACTOR. THE RTU SHALL BE INSTALLED LEVEL.
3. SCHEDULE WEIGHT DOES NOT INCLUDE CURB WEIGHT.
4. VERIFY EXACT ELECTRICAL RATINGS PRIOR TO ORDERING EQUIPMENT, CONFIRM REQUIREMENTS WITH ELECTRICAL CONTRACTOR.

MECHANICAL LEGEND

SAD 200	SUPPLY AIR DIFFUSER (200 CFM NOTED)
SAG 200	SUPPLY AIR GRILL (200 CFM NOTED)
RG 8"Ø	CEILING RETURN GRILL (8" DUCT TO RETURN NOTED)
HWRG	HIGH WALL RETURN GRILL
TG	TRANSFER GRILL
EF 1	CEILING EXHAUST FAN
EG 100	CEILING EXHAUST GRILL (100 CFM NOTED)
T 1	THERMOSTAT, UNIT 1
MVD	MANUAL VOLUME DAMPER
FD	FIRE DAMPER
OAL 12x8	OUTSIDE AIR LOUVER (12x8 SIZE NOTED)
G	GAS PIPING
GUH 1	GAS UNIT HEATER
UC	UNDERCUT DOOR
EH 1	ELECTRIC WALL HEATER
RF	ROOF EXHAUST FAN
RV	ROOF MOUNTED OUTSIDE AIR VENTILATOR
	VERTICAL SUPPLY DUCT
	VERTICAL RETURN DUCT

4

EXHAUST FAN SCHEDULE (EF)

TAG	DESCRIPTION	CFM	SP	VOLTAGE	GREENHECK CATALOG NUMBER	NOTES
EF-1	IN-LINE	370	.125"	120	CSP-A700-VG	1,2,7
EF-2	CEILING MOUNT	250	.125"	120	CSP-A390-VG	1,2,6
EF-3	IN-LINE	400	.125"	120	CSP-A700-VG	1,2,7
EF-4	CEILING MOUNT	70	.125"	120	SP-LP0810W	1,2,6

NOTES:
1. BACKDRAFT DAMPER, CABINET MOUNTED SPEED CONTROL FOR AIR BALANCE ONLY, NOT SWITCHING. SWITCH WITH LIGHT CIRCUIT, UON.
2. RECTANGULAR ALUMINUM WALL CAP WITH BIRDSCREEN (WCA SERIES), PAINT AS DIRECTED BY ARCHITECT.
3. ALUMINUM ROOF CAP (GRSI SERIES) WITH ROOF CURB, BIRDSCREEN, VERIFY AND INSTALL AS DIRECTED BY ROOFING CONTRACTOR. CURB SHALL BE SLOPED AS REQUIRED. PAINT AS DIRECTED BY ARCHITECT.
4. CEILING RADIATION DAMPER WITH STEEL GRILL AS REQUIRED AT RATED CEILING PENETRATION.
5. ROOF JACK, RJ SERIES, GALVANIZED STEEL CONSTRUCTION WITH BAKED ENAMEL FINISH, BIRDSCREEN, ADAPTER, FLASH AS DIRECTED BY ROOFING CONTRACTOR.
6. INSTALL A 120V COOLING THERMOSTAT WIRED TO SWITCH EF ON WHEN ROOM TEMPERATURE EXCEEDS SET POINT.
7. EXHAUST FAN SHALL OPERATE CONTINUOUSLY WHILE BUILDING IS OCCUPIED.

MECHANICAL SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER
SAD	SUPPLY AIR DIFFUSER FOR ACOUSTICAL CEILING, 24"x24", NECK SIZE AS NOTED ON DRAWING, 3 CONE STEEL CONSTRUCTION, DAMPER, #26 WHITE FINISH SAD-1: 12"x12"	TITUS TMS
SAG	SUPPLY AIR GRILL, 10"x6" STEEL CONSTRUCTION, DOUBLE DEFLECTION, 3/4" BLADE SPACING, #26 WHITE FINISH, PROVIDE SPIRAL DUCT BOOT AS NEEDED	TITUS 300RS
RG	CEILING RETURN GRILL FOR ACOUSTICAL CEILING, 22"x22", 1/2"x1/2" EGGCRATE CORE, ALUMINUM CONSTRUCTION, #26 WHITE FINISH	TITUS 50F
HWRG	HIGH WALL RETURN GRILL, SEE PLAN FOR SIZE, ZERO DEFLECTION, STEEL CONSTRUCTION, #26 WHITE FINISH	TITUS 350ZRL
EG	CEILING EXHAUST GRILL, 12"x12", 1/2" ALUMINUM GRID EGGCRATE, #26, WHITE FINISH	TITUS 50F
RV	OUTSIDE AIR INTAKE ROOF VENTILATOR, SPUN ALUMINUM, SLOPED ROOF CURB, ANTI-BACKDRAFT DAMPER, SEE DRAWINGS FOR THROAT SIZE	GREENHECK GRSI
FD	FIRE DAMPER, STYLE B, 1-1/2 HOUR RATING, UL 555 LISTING, 165° F LINK, PROVIDE ACCESS DOOR	RUSKIN IBD
OAL	OUTSIDE AIR INTAKE LOUVER, SIZE NOTED ON DRAWING, EXTRUDED ALUMINUM, MILL FINISH, BIRDSCREEN. PROVIDE GRAVITY DAMPER THAT CLOSES WHEN AIR HANDLERS ARE NOT OPERATING.	GREENHECK ESD-435

4

GENERAL MECHANICAL NOTES

1. ALL DUCT DIMENSIONS ARE INSIDE NET.
2. DUCTWORK SHALL BE CONSTRUCTED OF SHEETMETAL, USING SMACNA HVAC DUCT CONSTRUCTION STANDARDS. SEAL JOINTS WITH HARDCAST SEALANT OR EQUAL. INSULATE WITH 2" DUCTWRAP (MIN. R-6). USE OF EQUIVALENT ROUND DUCT IS APPROVED.
3. PROVIDE LONG RADIUS TEE AND ELBOW FITTINGS, DO NOT INSTALL DEAD HEAD TEES. DUCT SHALL BE FABRICATED AND INSTALLED IN A MANNER THAT MINIMIZES SYSTEM LOSS.
4. MAXIMUM DUCT SUPPORT SPACING IS 10'-0".
5. VERIFY DUCT CLEARANCES BEFORE FABRICATION. CHANGE DUCT TO EQUIVALENT RECTANGULAR SIZE AS REQUIRED BY FIELD CONDITIONS.
6. PROVIDE MANUAL VOLUME DAMPERS IN ROUND DUCT TAKEOFF BOOTS.
7. MAXIMUM FLEXIBLE AIR DUCT LENGTH IS 4'-0" AT DIFFUSER ONLY.
8. INSULATE THE TOP OF SUPPLY AIR DIFFUSERS WITH 2" DUCTWRAP.
9. CONSTRUCT RETURN AIR GRILL PLENUMS TO MATCH GRILL SIZE. MINIMUM 12" DEEP.
10. MAINTAIN MINIMUM CLEARANCE PER MANUFACTURERS RECOMMENDATIONS.
11. THE INSTALLATION SHALL BE MADE FREE OF VIBRATION & EXCESSIVE AIR NOISE.
12. COORDINATE CEILING GRILLS AND DIFFUSERS WITH ELECTRICAL.
13. THE CONTRACTOR SHALL IMMEDIATELY ADVISE THE ENGINEER OF ANY DISCREPANCIES OR CODE CONFLICTS PRIOR TO SUBMITTING BID.
14. THE MECHANICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ONLY INDICATE A GENERAL ARRANGEMENT OF EQUIPMENT AND DUCT. DO NOT SCALE FROM THE DRAWINGS. IT IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD LOCATE ALL COMPONENTS OF THE MECHANICAL WORK BASED ON CODE REQUIREMENTS, MANUFACTURERS INSTALLATION INSTRUCTIONS, AND COORDINATION WITH SITE CONDITIONS AND OTHER TRADES.

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REVISIONS
1 08/19/2024 - REVIEW RESPONSE & OWNER REQUESTED CHANGES
2 11/15/2024 - OWNER/CONTRACTOR REQUESTED CHANGES / PEMB COORDINATION
3 01/07/2025 - REVIEW RESPONSE
4 01/16/2025 - REVIEW RESPONSE

M0.1
SHEET

File #:
Drawing Name: MECHANICAL SCHEDULES
Date: 07-19-24
Drawn By: Nunley Drafting

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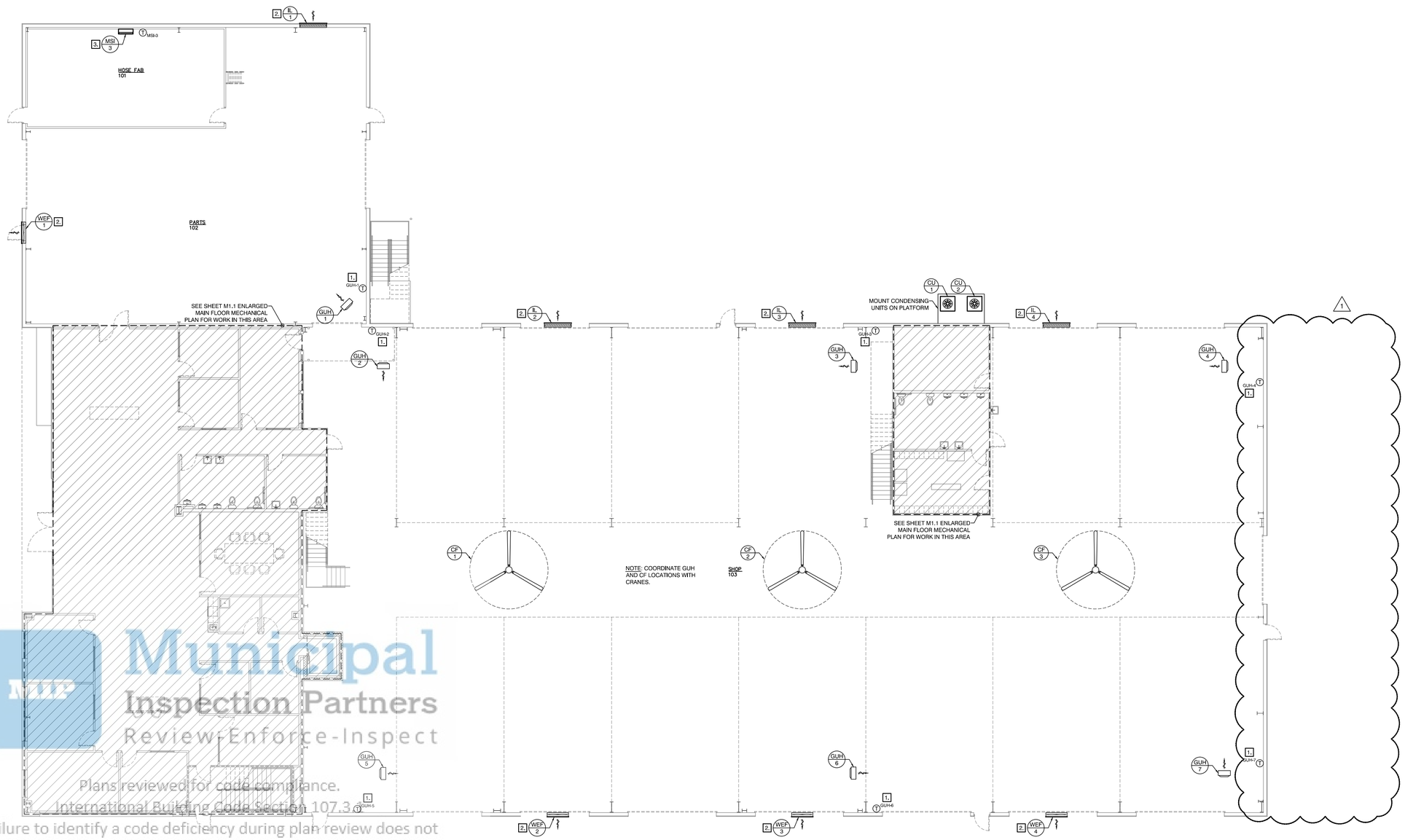
STATE OF TENNESSEE
01/16/25

MECHANICAL PLAN NOTES

1. MOUNT THERMOSTAT ON PLYWOOD BLOCK.
2. IL WILL BE ELECTRICALLY INTERLOCKED SO THAT IL OPENS WHEN WEF IS OPERATING (BY ELECTRICAL).
3. ROUTE CONDENSATE PIPING TO OUTSIDE, SPILL AT GRADE.



OVERALL MAIN FLOOR MECHANICAL PLAN

SCALE: 3/32" = 1'-0"

0 2' 4' 8'
SCALE: 3/32" = 1'-0"

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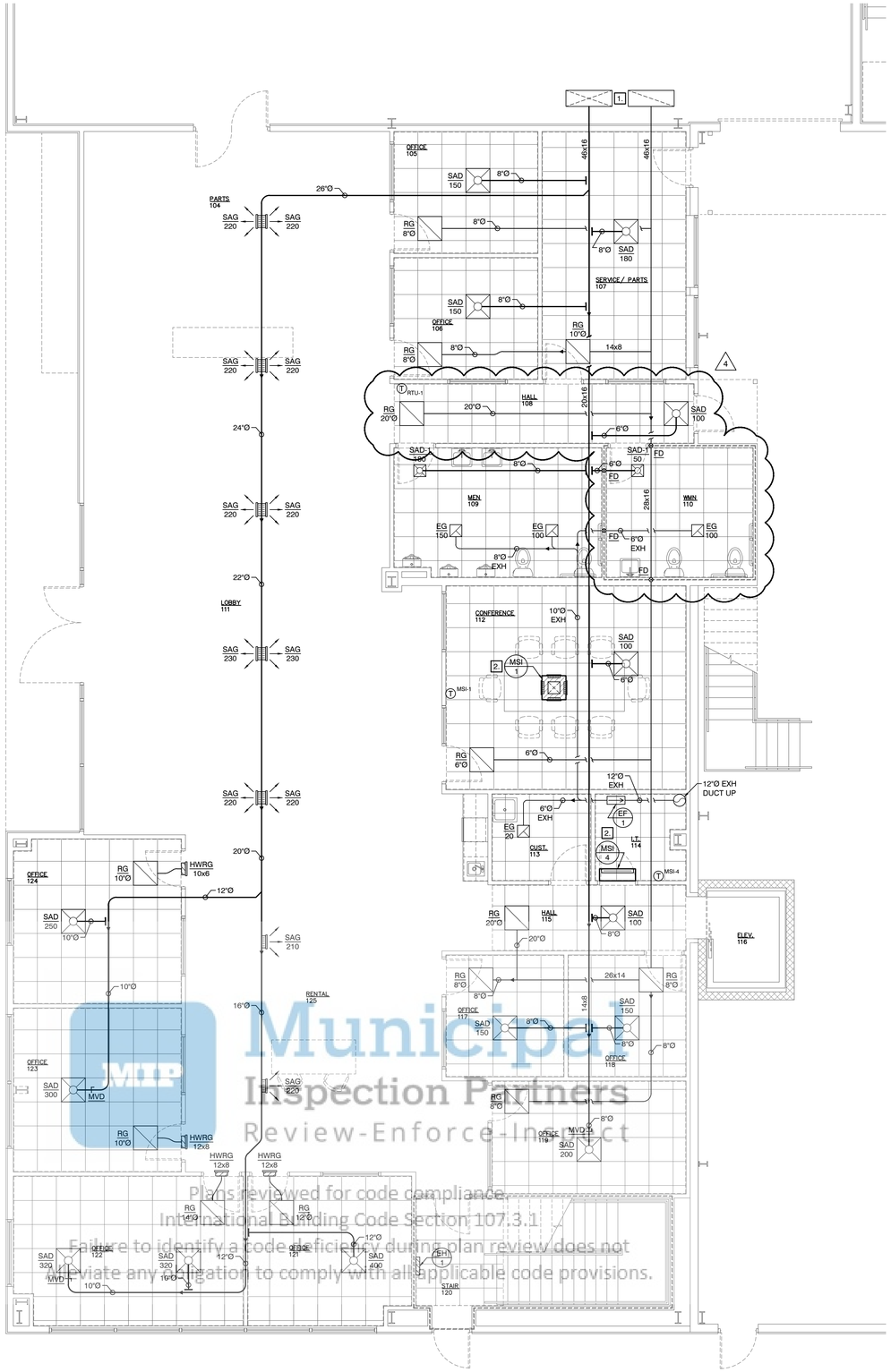
REVISIONS
1 CODE COMMENTS 08/16/2024

M1.0
SHEET

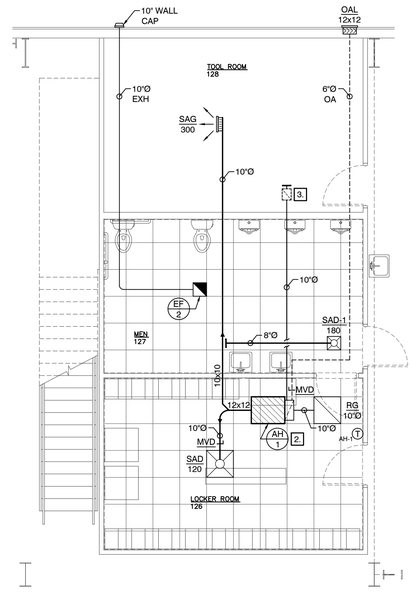
File #:
Drawing Name: OVERALL MAIN FLOOR MECHANICAL PLAN
Date: 07-19-24
Drawn By: Nunley Drafting

JOHN ROBERT NIXON
REGISTERED ENGINEER
STATE OF TENNESSEE
08-16-24



ENLARGED MAIN FLOOR MECHANICAL PLAN

SCALE: 3/16" = 1'-0"



ENLARGED MAIN FLOOR MECHANICAL PLAN

SCALE: 3/16" = 1'-0"

MECHANICAL PLAN NOTES

1. 46"x16" SUPPLY AND RETURN DUCT UP TO RTU-1.
2. ROUTE CONDENSATE PIPING TO MOP SINK OR OUTSIDE. IF OUTSIDE, SPILL AT GRADE.
3. 8"x10" HOLE CUT INTO TOP OF 10"Ø RETURN DUCT.

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REVISIONS
1. 08/19/2024 - REVIEW RESPONSE & OWNER REQUESTED CHANGES
2. 11/15/2024 - OWNER/CONTRACTOR REQUESTED CHANGES / PEMB COORDINATION
3. 01/07/2025 - REVIEW RESPONSE
4. 01/16/2025 - REVIEW RESPONSE

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M1.1
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File #:
Drawing Name: ENLARGED MAIN FLOOR MECHANICAL PLAN
Date: 07-19-24
Drawn By: Stanley Dreifing

JOHN ROBERT NIXON — REGISTERED ENGINEER — STATE OF TENNESSEE
01-16-25

0 2' 4' 8'
SCALE: 3/16" = 1'-0"

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