AUGUSTA MUSEUM OF HISTORY
560 REYNOLDS ST., AUGUSTA, GA 30901

AUGUSTA MUSEUM OF HISTORY
560 REYNOLDS ST., AUGUSTA, GA 30901

GENERAL NOTES:

THE GENERAL CONTRACTOR AND HIS SUB-CONTRACTORS SHALL BE REQUIRED TO VISIT THE PREMISES TO INSPECT EXISTING CONDITIONS, BECOME FAMILIAR WITH LOCAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND CORRELATE PERSONAL OBSERVATIONS WITH REQUIREMENTS OF THE DRAWINGS.

ALL WORK PERFORMED SHALL BE IN STRICT COMPLIANCE WITH COUNTY REGULATIONS AND CODES, O.S.H.A. STANDARDS, THE CODE STANDARDS LISTED, EXECUTED IN ACCORDANCE WITH ACCEPTED INDUSTRY STANDARDS, AND CONFORM TO SPECIFIC REGULATIONS AS MANDATED BY THE OWNER AND THE ARCHITECT.

IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO INSURE THE PROCUREMENT OF ALL REQUIRED AND NECESSARY PERMITS. ALL CONTRACTORS SHALL OBTAIN NECESSARY AND APPLICABLE, CITY/COUNTY PERMITS, INSPECTIONS AND APPROVAL PRIOR TO THE COMMENCEMENT OF ANY WORK AND CERTIFICATE OF OCCUPANCY UPON COMPLETION OF PROJECT. CONTRACTOR SHALL FURNISH COPIES OF PERMITS, INSPECTIONS AND CERTIFICATES TO OWNER UPON REQUEST.

CONTRACTOR SHALL BE REQUIRED TO COORDINATE WORK SCHEDULE TO MINIMIZE DISRUPTION OF NORMAL ACTIVITIES AND TO AVOID INTERFERENCE WITH ADJACENT OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ADEQUATE PRECAUTIONS TO PROTECT SURROUNDINGS, MATERIALS AND EXISTING FINISHES THROUGHOUT ALL PHASES OF CONSTRUCTION AREAS AND OCCUPIED OR PUBLIC AREAS TO BE MAINTAINED BY CONTRACTOR. DAMAGE TO EXISTING-TO-REMAIN CONSTRUCTION, MATERIALS OR EQUIPMENT TO BE RESTORED TO ORIGINAL CONDITION.

CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF TRASH AND DEBRIS FROM JOB SITE ON A DAILY BASIS. FINAL CLEAN-UP WITHIN SCOPE OF WORK:

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL RELATED TRADES AND VENDORS NECESSARY TO THE COMPLETION OF THE JOB ON A TIMELY BASIS.

DO NOT SCALE DRAWINGS. USE WRITTEN DIMENSIONS ONLY. SUBMIT TO ARCHITECT ANY DISCREPANCIES FOR CLARIFICATION

ALL WORK SHALL BE IN COMPLIANCE WITH THE INTERNATIONAL BUILDING CODE, GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, CURRENT EDITION OF NATIONAL ELECTRIC CODE, INTERNATIONAL PLUMBING, AND MECHANICAL CODE, RECOGNIZED INDUSTRY STANDARDS, CRAFTSMANSHIP STANDARDS IN THE AREA, ALL MANUFACTURERS RECOMMENDATIONS, AND ALL OTHER APPLICABLE CODES.

THE DESIGN PROFESSIONAL DOES NOT GUARANTEE THE PERFORMANCE OF THE PROJECT IN ANY RESPECT OTHER THAN THAT OUR PROFESSIONAL WORK AND JUDGEMENT RENDERED MEET THE STANDARDS OF CARE OF OUR PROFESSION.

THE LOCATION OF THE EXISTING UTILITIES AND STRUCTURES SHOWN HEREON ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND ACTUAL LOCATION OF SUCH, WHETHER SHOWN HEREON OR NOT, PRIOR TO ANY EXCAVATION ANY DAMAGES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.

THE FLOOR ON BOTH SIDES OF A DOOR SHALL BE LEVEL AND SHALL HAVE THE SAME ELEVATION ON BOTH SIDES OF THE DOOR, FOR A DISTANCE ON EACH SIDE EQUAL TO THE WIDTH OF THE WIDEST SINGLE DOOR.

FIRE EXTINGUISHERS SHALL BE LOCATED PER THE REQUIREMENTS OF NFPA 10. THE SIZE SHALL BE A MINIMUM OF 2A-10BC AND SHALL BE INSTALLED AT A MAXIMUM OF 48" A.F.F. TO THE TOP OF THE HANDLE.

PROVIDE CONT. SOLID BLOCKING, AS REQUIRED, IN WALLS TO RECEIVE ACCESSORY ITEMS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
HANDRAILS
TOILET ROOM ACCESSORIES
GRAB BARS
FIRE EXTINGUISHER CABINETS & BRACKETS
CABINETS AND SHELVES

CLEAN WALLS, DOORS, DOOR FRAMES, HANDRAILS, GUARDRAILS, ETC. PER MANUFACTURERS RECOMMENDATIONS PRIOR TO SEALING AND PAINTING.

REFER TO THE STRUCTURAL DRAWINGS FOR INFORMATION ON CONSTRUCTION AND CONTROL JOINTS IN CONCRETE SLABS AND CONCRETE AND MASONRY WALLS. SLAB JOINTS ARE SPECIFIED AND LOCATED ON THE STRUCTURAL DRAWINGS.

TEMPORARY SIGNS: PROVIDE SIGNS AS REQUIRED TO INFORM PUBLIC AND INDIVIDUALS SEEKING ENTRANCE TO PROJECT.
PROVIDE TEMPORARY, DIRECTIONAL SIGNS FOR CONSTRUCTION PERSONNEL AND VISITORS. MAINTAIN AND TOUCHUP SIGNS SO THEY ARE LEGIBLE AT ALL TIMES.

PROJECT LOCATION MAP

PROJECT TEAM

OWNER
AUGUSTA MUSEUM OF HISTORY
NANCY J. GLASER, EXECUTIVE DIRECTOR
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AUGUSTA, GA 30901
(706) 722-8454
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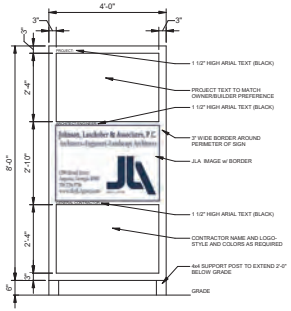
JOBSITE SIGN



BID LINE ITEMS

AUGUSTA MUSEUM OF HISTORY BID LINE ITEMS

BASE BID:

THE BASE BID SHALL INCLUDE ALL WORK INDICATED IN THE CONTRACT DRAWINGS TO THE WEST OF THE WHITNEY BUILDING, INCLUDING ALL REQUIRED CONSTRUCTION/RENOVATION OF THE EXISTING WEST WING ADDITION TO WHITNEY BUILDING HOUSING THE ELEVATOR EQUIPMENT ROOM AND HVAC ENCLOSURE. THIS WOULD INCLUDE REROOFING ONLY THE AREA DIRECTLY ABOVE ELEVATOR EQUIPMENT ROOM AND NEW METAL CAPS AROUND THE TOP OF THE HVAC ENCLOSURE AND THE WEST PARAPET WALL OF THE WAREHOUSE AREA OF THE WHITNEY BUILDING. THE BASE BID SHALL REQUIRE THE INSTALLATION OF THE EXPANSION JOINT FLASHING AND COUNTER FLASHING REQUIRED BY DETAIL 5/A-303. THE BASE BID SHALL REQUIRE THE INSTALLATION OF CMU KNOCK-OUT PANELS IN LEU OF OVERHEAD DOOR 116A AND PERSONNEL DOOR 102G, ACCORDING TO NOTES ON THE STRUCTURAL DRAWINGS FOR KNOCK-OUT PANELS. THE BASE BID SHALL INCLUDE ALL SITE WORK ASSOCIATED CORRIDOR ADDITION, EAST OF THE WHITNEY BUILDING AS INDICATED ON CD-101 AND C-101.

ALTERNATE 1:

PROVIDE AN ALTERNATE LINE ITEM TO ONLY REMOVE EXISTING SINGLE DOOR AND ENLARGE THE MASONRY OPENING TO ACCEPT A NEW 6'-4"W X 7'-4"H HOLLOW METAL FRAME VERSUS THE REMOVAL OF THE 2 STORY STOREFRONT AND MASONRY NORTH WALL OF EXISTING STAIR AND AS INDICATED ON SHEET AD001 DEMOLITION KEY NOTE 1 AND DETAIL NOTE A1.

ALTERNATE 2:

PROVIDE AN ALTERNATE LINE ITEM TO EXCLUDE THE DOOR CARD READER CONDUIT AND JUNCTION BOXES REQUIRED BY E-201, E-202, ITEMS 5 & 6 LISTED IN THE SPECIAL OUTLET SCHEDULE ON E-401, AND DETAIL 3/E-401.

ALTERNATE 3:

PROVIDE AN ALTERNATE LINE ITEM INCLUDE THE INFILL OF ALL PERIMETER OPENINGS OF THE WHITNEY BUILDING PER EXTERIOR ELEVATION KEYNOTE 4 ON A-401.

ALTERNATE 4:

PROVIDE AN ALTERNATE LINE ITEM TO INCLUDE ALL THE REQUIRED WORK TO THE EAST OF THE "CONNECTING CORRIDOR" IN THE WHITNEY BUILDING EXCLUDING WORK REQUIRED BY THE BASE BID AND ALTERNATE BASE BID A LISTED ABOVE. ALTERNATE BASE BID B INCLUDES ALL UTILITY WORK AND ASSOCIATED HARDSCAPE ASSOCIATED WITH THE WHITNEY BUILDING AS INDICATED ON CD-101 AND C-101.

INDEX OF DRAWINGS

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CLIENT: AUGUSTA MUSEUM OF HISTORY
560 REYNOLDS ST., AUGUSTA, GA 30901

PROJECT NAME: AUGUSTA MUSEUM OF HISTORY

PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

REV.	DATE:	BY:	DESCRIPTION
0	08/03/22	WLD	ISSUED FOR CONSTRUCTION

PROJECT NO. 3042.2103
DRAWN BY: CTH
CHECKED BY: WLD
DATE: 08/03/2022
SHEET TITLE: **COVER SHEET**
SCALE: AS NOTED
DRAWING NO. **G-001**
REV. **0**

8/3/2022, 3:55:08 PM C:\Revit - Local Projects\3042.2103_AugustaMuseumOld22.3r23_Architectural_Local_wld.rvt

BUILDING CODE SUMMARY

Minimum Standard Building Codes:

International Existing Building Code (IBC 2018)	
International Building Code (IBC 2018)	with Georgia Amendments
International Residential Code (IRC 2018)	with Georgia Amendments
International Fire Code (IFC 2018)	with Georgia Amendments
International Plumbing Code (IPC 2018)	with Georgia Amendments
International Mechanical Code (IMC 2018)	with Georgia Amendments
International Fuel Gas Code (IFGC 2018)	with Georgia Amendments
International Energy Conservation Code (IECC 2015)	with Georgia Supplements and Amendments
National Electrical Code	2020 Edition (No Georgia Amendments)

2018 NFPA 101 Life Safety Code
2010 ADA Standards for Accessible Design
Georgia Accessibility Code

Occupancy Classification

Primary: Assembly (LSC 6.1.2.1), A-3 (IBC 303.4)
Secondary: Business (LSC 6.1.11.1), B (IBC 304.1)
Secondary: Industrial (LSC 6.1.12), F-1 (IBC 306.2)

Separated Occupancy (LSC 6.1.14.2.3)

Type of Construction

Type IIB, Sprinklered (IBC 602.2)
Type 111

Fire Separation of Occupancies
LSC - Table 6.1.14.4.1 (a-b) ***Required separation of Occupancies*** **(hours)**

Occupancy	Business
Assembly <300	1
Assembly >300 to <1000	2
Assembly >1000	2

Allowable Building Height **IBC - Excerpt from Table 504.3** ***Allowable Building Height in Feet Above Grade Plane (a)***

OCCUPANCY CLASSIFICATION	SEE FOOT NOTES	Type of Construction								
		Type I		Type II		Type III		Type IV	Type V	
		A	B	A	B	A	B	HT	A	B
A,B,E,F,M,S,U	NS (b)	UL	160	65	55	65	55	65	50	40
	S	UL	180	85	75	85	75	85	70	60

a. See Chapters 4 and 5 for specific exceptions to the allowable height in this chapter.
b. See Section 903.2 for the minimum thresholds for protection by an automatic sprinkler system for specific occupancies.

IBC - Excerpt from Table 504.4 ***Allowable of Stories Above Grade Plane (a), (b)***

OCCUPANCY CLASSIFICATION	SEE FOOT NOTES	Type of Construction								
		Type I		Type II		Type III		Type IV	Type V	
		A	B	A	B	A	B	HT	A	B
A-3	NS	UL	11	3	2	3	2	3	2	1
	S	UL	12	4	3	4	3	4	3	2
B	NS	UL	11	5	3	5	3	5	3	2
	S	UL	12	6	4	6	4	6	4	3
F-1	NS	UL	11	4	2	3	2	4	2	1
	S	UL	12	5	3	4	3	5	3	2

a. See Chapters 4 and 5 for specific exceptions to the allowable height in this chapter.
b. See Section 903.2 for the minimum thresholds for protection by an automatic sprinkler system for specific occupancies.

BUILDING HEIGHT	Allowable Height (Sprinklered)	Shown on Plans	Code Reference
Building Height in Feet (Table 504.3)	75	56'-0" Max. (Original Museum Ht.)	
Building Height in Stories (Table 504.3)	A-3: 3, B: 4, F-1: 3	2	

1. Provide code reference if the "Show on Plans" quantity is not based on Table 504.3 or 504.4
2. The maximum height of air traffic control towers must comply with Table 412.2.1.1
3. The maximum height of open parking garages must comply with Table 406.5.4.

Allowable Building Area

Primary Code Reference IBC 2018, Chapter 5

Mixed Occupancy: ☐ No ■ Yes **Separation:** 1HR **Exception:** _____

☐ Non-Separated Use (508.3)
The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

■ Separated Use (508.4)
See below for area calculations for each story, the area of occupancy shall be such that the sum of the ratios of the actual floor area of each use shall not exceed 1.

$$\frac{\text{Actual Area of Occupancy A-3}}{\text{Allowable Area of Occupancy A-3}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} + \frac{\text{Actual Area of Occupancy F-1}}{\text{Allowable Area of Occupancy F-1}} =$$

$$= \frac{33{,}788\ \text{SF}}{69{,}552\ \text{SF * (Allowed Area Increase)}} + \frac{6{,}951\ \text{SF}}{69{,}000\ \text{SF}} + \frac{6{,}188\ \text{SF}}{46{,}500\ \text{SF}} =$$

$$= .4857 + .1007 + .1331 = .7195 < 1$$

or if aggregate use w/ no separation between B & F-1

$$\frac{33{,}788\ \text{SF}}{69{,}552\ \text{SF * (Allowed Area Increase)}} + \frac{13{,}139\ \text{SF}}{46{,}500\ \text{SF}}$$

$$= .4857 + .2826 = .7683 < 1$$

Gross Building Area

Building Data BY SEPARATED OCCUPANCIES				
Floor	**Existing (SF)**	**New (SF)**	**Renovation / Alteration (SF)**	**Subtotal**
1 - A-3	33,041 SF	747 SF	0 SF	33,788 SF
2 - A-3	15,521 SF	0 SF	0 SF	15,521 SF
1 - B	4752 SF	2199 SF	0 SF	6,951 SF
2 - B	4138 SF	505 SF	0 SF	4643 SF
1 - F-1	6188 SF	0 SF	6188 SF	6188 SF
2 - F-1	1910 SF	0 SF	1910 SF	1910 SF
GROSS BUILDING AREA TOTAL				69,001 SF

Note: Original Museum (A-3) occupancy is the only occupancy whose square footage exceeds maximum square footage listed in Table 506.2; however, the original museum (A-3) occupancy square footage is less than half the calculated allowable area increase square footage.

Story No.	Description and Use	(A) Building Area Per Story (Actual)	(B) Table 506.2 (4) Area	(C) Area Increase Factor (1), (5)	(D) Allowable Area Per Story or Unlimited, (2), (3)
1	A-3: Original Museum	32,720 SF	28,500 SF	.66	69,552 SF
TOTAL		32,720 SF	28,500 SF	.66	69,552 SF

[1] Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = 703 (F)
b. Total building perimeter = 772 (P)
c. Ratio (F/P) = .91 (F/P)
d. W = Minimum width of public way = 30 (W)
e. Percent of frontage increase Iₛ = 100 [F/P - 0.25] x W/30 = 66 (%)

Fire Protection Requirements Related to Types of Construction

Primary Code Reference IBC 2018, Chapter 6

IBC - Table 601 ***Fire - Resistance Requirements For Building Elements*** **(hours)**

Building Element	Type I		Type II		Type III		Type IV	Type V	
	A	B	Ad	B	Ad	B	HT	Ad	B
Structural Frame *a* (Including Columns, Girders , Trusses)	3b	2b	1	0	1	0	HT	1	0
Bearing Walls Exterior *f* Interior	3 3b	2 2b	1 1	0 0	2 1	2 0	2 1/HT	1 1	0 0
Nonbearing Walls Exterior Interior *e*	See Table 602								
Floor Construction (Including Supporting Beams & Joists)	2	2	1	0	1	0	See Section 602.4.6	1	0
Roof Construction (Including Supporting Beams & Joists)	1 1/2*c*	1 *c,d*	1 *c,d*	0 *c,d*	1 *c,d*	0 *c,d*	HT	1 *c,d*	0

IBC Table 506.2 - Allowable Area per Occupancy
Multi Story w/ Sprinkler System Type II Construction
A-3 = 28,500 SF / Floor
B = 69,000 SF / Floor
F-1 = 46,500 SF / Floor

IBC Table 508.4 - Required Separation of Occupancies
Assembly / Business (Sprinklered) = 1 Hour
Business / F-1 (Sprinklered) = 0 Hours

IBC - SECTION 1028 EXIT DISCHARGE:

1028.1 GENERAL - Exits shall discharge directly to the exterior. However Exception 1 allows interior exit stairways and ramps to egress through areas on the same level - An Interior Exit Discharge Lobby.

Fire Protection Requirements

Primary Code Reference IBC 2018, Chapter 6, Chapter 7

Structural Frame: **Fire Rating:** 0HR **Rated Assembly #:** N/A

Bearing Walls:
Exterior: **Fire Rating:** 0HR **Rated Assembly #:** N/A
Interior: **Fire Rating:** 0HR **Rated Assembly #:** N/A

Non-Bearing Walls:
Exterior: **Fire Rating:** 0HR **Rated Assembly #:** N/A
Interior: **Fire Rating:** 0HR **Rated Assembly #:** N/A

Floor Construction: **Fire Rating:** 0HR **Rated Assembly #:** N/A

Roof Construction: **Fire Rating:** 0HR **Rated Assembly #:** N/A

Sprinkler Protection Requirements Related to Building Construction Types

Primary Code Reference IBC 2018, Supplemental Code Reference 2018 NFPA 101 LSC

Sprinkler Required: ☐ No ■ Yes **Sprinkler Provided:** ☐ No ■ Yes

Means of Egress and Occupancy Calculations

Primary Code Reference 2018 NFPA 101 LSC

Occupancy Calculation: **(LSC 7.3.1.2)**

Assembly=	15 sf / person
Business=	150 sf / person
Industrial=	100 sf / person
First Floor Assembly Occupancy=	Existing
Second Floor Assembly Occupancy=	Existing
First Floor Business Occupancy=	Existing
Second Floor Business Occupancy=	Existing
First Floor Industrial=	6 people (2 Employees & up to 4 Guests)
Second Floor Industrial (Mezzanine)=	0 people
Total Occupants:	**Existing plus 6 people**

Note: Current construction adds a non occupied business corridor and a workshop with office spaces for 2 employees. The added occupancy levels will not affect Life Safety egress from a occupant load standpoint.

Assembly
Common Path of Egress Travel:
20' for any number of occupants **(LSC 12.2.5.1.2)**
75' for not more than 50 occupants **(LSC 12.2.5.1.2)**

Maximum Travel Distance:
250' w / sprinklers **(LSC 12.2.6.2, Exception 1)**
Dead End Limit: 20' **(LSC 12.2.5.1.3)**

Business
Common Path of Egress Travel:
100' for any number of occupants with approved sprinkler system **(LSC 38.2.5.3.1)**

Maximum Travel Distance:
300' w / sprinklers **(LSC 38.2.6.3)**

Dead End Limit:
50' In buildings protected throughout by and approved supervised automatic sprinkler system in accordance with 9.7.1.1(1) **(LSC 38.2.5.2.1)**

Exit Access Corridor Rating:

Minimum Number of Exits:
not less than 3 for occupant load > 500 and < 1000 (LSC 7.4.1.2 (1))
not less than 4 for occupant load > 1000 (LSC 7.4.1.2 (2))

Capacity Factors:
Corridors = Clear width of any corridor serving and occupant load of 50 or more shall not be less than 44" (LSC Table 38.2.3.2)

Stand Pipes:

Primary Code Reference IBC 2018, Supplemental Code Reference IFC 2018

Standpipes: ■ No Yes **Class** ☐ I ☐ II ☐ III ☐ Wet ☐ Dry

Interior Finishes:

Primary Code Reference NFPA 101, LSC

Finish Classifications

LSC - 12.3.3 Interior Wall And Ceiling Finish Requirements By Occupancy

Interior Wall and Ceilings= Class A or B
Corridors and Lobbies = Class B
Enclosed Stairways = Class A
General Assembly Areas with > 300 occupants = Class B
All Other Enclosed Spaces = Class A

Vertical Openings:

Primary Code Reference NFPA 101, LSC Supplemental Code Reference None

Shaft Enclosures:

1 HR FIRE RATED ELEVATOR SHAFT

Sprinkler Systems Minimum Construction Standards

Primary Code Reference NFPA 101, LSC Supplemental Code Reference None

Fire Protection Systems

NFPA 13 Automatic Sprinkler System: Provided throughout building
Roof Covering Classification: Class C or Better (IBC Table 1505.1)

LSC 12.3.4 Detection, Alarm, and Communications Systems, Assembly Occupancies with > 300 occupants shall be equipped with a fire alarm system installed, tested, and maintained in accordance with the applicable requirements of NFPA 70, National Electrical Code, NFPA 72, and National Fire Alarm Code.

LSC 12.3.4.2.1 Exception 2 Initiation, Manual means of alarm initiation shall not be required where the fire alarm system is initiated by means of an approved automatic sprinkler system in accordance with LSC 9.6.2.1 (3).

Accessibility

IBC 1105.1 Sixty percent of public entrances shall be accessible.
Exception 2: Loading and Service Entrances that are not the only entrance to a tenant space.

IBC 1109.3 Sinks.
Where sinks are provided, at least 5% but not less than one provided in accessible spaces shall comply with ICC A117.1

IBC 1109.5 Drinking Fountains.
Required

Special Inspections

See Structural Drawings for Special Inspection requirements

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CLIENT: AUGUSTA MUSEUM OF HISTORY 560 REYNOLDS ST., AUGUSTA, GA 30901
PROJECT NAME: AUGUSTA MUSEUM OF HISTORY
PROJECT LOCATION 560 REYNOLDS ST., AUGUSTA, GA 30901

REV.	DATE:	BY:	DESCRIPTION
0	08/03/22	WLD	ISSUED FOR CONSTRUCTION

PROJECT NO. 3042.2103
DRAWN BY: EH
CHECKED BY: WLD
DATE: 08/03/2022
SHEET TITLE: **CODE ANALYSIS**
SCALE AS NOTED
DRAWING NO. **G-002** REV. **0**

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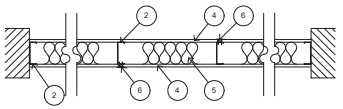
Design No. I506

April 11, 2018

Assembly Rating - 1 hr

U.L. DESIGN NO. U432
WALL RATING - 1 HR.



1. **FLOOR AND CEILING RUNNERS —** (NOT SHOWN) — CHANNEL SHAPED, FABRICATED FROM MIN 0.0329 IN. THICK, BARE METAL THICKNESS (NO. 20 MSG) CORROSION-PROTECTED STEEL, THAT PROVIDES A SOUND STRUCTURAL CONNECTION BETWEEN STEEL STUDS AND ADJACENT ASSEMBLIES SUCH AS FLOORS, CEILINGS AND/OR OTHER WALLS. ATTACHED TO FLOOR AND CEILING ASSEMBLIES WITH STEEL FASTENERS SPACED NOT GREATER THAN 24 IN. OC.

2. **STEEL STUDS —** MIN 0.0329 IN. THICK, BARE METAL THICKNESS (NO. 20 MSG) CORROSION-PROTECTED STEEL STUDS, MIN 3-1/2 IN. WIDE, COLD FORMED, DESIGNED IN ACCORDANCE WITH THE CURRENT EDITION OF THE SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS BY THE AMERICAN IRON AND STEEL INSTITUTE (AISI). ALL DESIGN DETAILS ENHANCING THE STRUCTURAL INTEGRITY OF THE WALL ASSEMBLY, INCLUDING THE AXIAL DESIGN LOAD OF THE STUDS, SHALL BE AS SPECIFIED BY THE STEEL STUD DESIGNER AND/OR PRODUCER, AND SHALL MEET THE REQUIREMENTS OF ALL APPLICABLE LOCAL CODE AGENCIES. THE MAX STUD SPACING SHALL NOT EXCEED 24 IN. OC. STUDS ATTACHED TO FLOOR AND CEILING RUNNERS WITH 1/2 IN. LONG TYPE S-12 STEEL SCREWS ON BOTH SIDES OF THE STUDS OR BY WELDED OR BOLTED CONNECTIONS DESIGNED IN ACCORDANCE WITH THE AISI SPECIFICATIONS (BEARING WALLS). STUDS TO BE CUT 1/2 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT AND FRICTION-FITTED INTO FLOOR AND CEILING RUNNERS (NONBEARING WALLS).

3. **LATERAL SUPPORT MEMBERS —** (NOT SHOWN) — WHERE REQUIRED FOR LATERAL SUPPORT OF STUDS, SUPPORT SHALL BE PROVIDED BY MEANS OF STEEL STRAPS, CHANNELS OR OTHER SIMILAR MEANS AS SPECIFIED IN THE DESIGN OF A PARTICULAR STEEL STUD WALL SYSTEM.

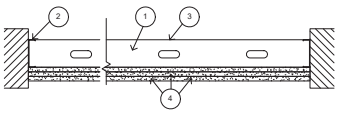
4. **GYPSUM BOARD* —** NOM 5/8 IN. THICK, 24 TO 54 IN. WIDE GYPSUM PANELS, ATTACHED VERTICALLY OR HORIZONTALLY WITH 1-1/4 IN. LONG TYPE S-12 STEEL SCREWS. WHEN APPLIED VERTICALLY TO STUDS, JOINTS CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OPPOSITE SIDES OF STUDS AND ATTACHED WITH SCREWS SPACED 8 IN. OC ALONG THE EDGES AND 12 IN. OC IN THE FIELD. WHEN APPLIED HORIZONTALLY TO STUDS, NO DISTANCE REQUIREMENT ON JOINTS ON OPPOSITE SIDES OF STUDS AND ATTACHED WITH SCREWS SPACED 8 IN. OC ALONG THE EDGES AND IN THE FIELD. WHEN USED IN WIDTHS OTHER THAN 48 IN., GYPSUM PANELS TO BE INSTALLED HORIZONTALLY.
UNITED STATES GYPSUM CO — TYPE FRX-G

5. **BATTS AND BLANKETS* —** (OPTIONAL, NOT SHOWN) — PLACED IN STUD CAVITIES. ANY GLASS FIBER OR MINERAL WOOL INSULATION BEARING THE UL CLASSIFICATION MARKING AS TO SURFACE BURNING CHARACTERISTICS AND/OR FIRE RESISTANCE. SEE BATTS AND BLANKETS (BKNV OR BZJZ) CATEGORIES FOR NAMES OF CLASSIFIED COMPANIES.

6. **JOINT TAPE AND COMPOUND —** VINYL OR CASEIN, DRY OR PREMIXED JOINT COMPOUND APPLIED IN TWO COATS TO JOINTS AND SCREW HEADS. PAPER TAPE, NOM 2 IN. WIDE, EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINT. PAPER TAPE AND JOINT COMPOUND MAY BE OMITTED WHEN GYPSUM BOARDS ARE SUPPLIED WITH SQUARE EDGES.

7. **CAULKING AND SEALANTS* —** (OPTIONAL, NOT SHOWN) — A BEAD OF ACOUSTICAL SEALANT APPLIED AROUND THE PARTITION PERIMETER FOR SOUND CONTROL.
UNITED STATES GYPSUM CO — TYPE AS

*** INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.**



1. **STEEL JOISTS —** MIN. 6 IN. WIDE WITH MIN. 1-5/8 IN. LEGS CONTAINING FOLDED BACK FLANGES AND FORMED FROM MIN. NO. 20 MSG GALV. STEEL (0.0329 IN. THICK BARE METAL THICKNESS), JOISTS TO BE CUT 1/2 IN. TO 3/4 IN. LESS THAN THE CLEAR SPAN BETWEEN THE VERTICAL LEGS OF THE JOIST TRACK. JOISTS SPACED A MAX. 16 IN. O.C. AT EACH END OF THE JOIST, THE UPPER JOIST FLANGE SHALL BE SECURED TO THE JOIST TRACK WITH ONE 1/2 IN. LONG PAN-HEAD STEEL SCREW. JOISTS ARE USED AT EACH END OF THE HORIZONTAL BARRIER TO TERMINATE THE ASSEMBLY AT THE ADJOINING WALL. THESE END JOISTS SHALL BE SECURED TO THE ADJOINING WALL IN THE SAME MANNER AS THE JOIST TRACK (ITEM2).

2. **CEILING JOIST TRACK —** USED TO SUPPORT STEEL JOISTS AT BOTH ENDS OF CEILING MEMBRANE STRUCTURE. MIN. 6 IN. DEEP WITH MIN. 1-1/4 IN. LEGS AND FORMED FROM MIN. NO. 20 MSG GALV. STEEL (0.0329 IN. THICK BARE METAL THICKNESS), JOIST TRACK ATTACHED TO WALL STRUCTURE WITH FASTENERS SPACED NOT GREATER THAN 24 IN. O.C. AT BOTH THE TOP AND BOTTOM OF THE VERTICAL LEG.

3. **STEEL STRAP —** MIN. 2 IN. WIDE STRAP FORMED FROM MIN. NO. 20 MSG GALV. STEEL (0.0329 IN. THICK BARE STEEL THICKNESS), SECURE PERPENDICULAR TO THE UPPER JOIST FLANGE AT THE CENTERLINE OF THE SPAN USING ONE 1/2 IN. LONG PAN-HEAD STEEL SCREW AT EACH JOIST. STEEL STRAP TO OVERLAP ONE FILL JOIST BAY AT SPLICE LOCATIONS, AS AN ALTERNATE TO THE STEEL STRAP, JOIST TRACK (ITEM 2) MAY BE SUBSTITUTED AND INSTALLED IN THE SAME MANNER AS THE STEEL STRAPS FOR THE 1 HR. RATING. IF A CONTINUES PIECE IS NOT USED, THE ABUTTED LEGS ARE INSTALLED ON EACH SIDE OF THE CENTERLINE OF THE SPAN AND OVERLAP ONE FULL JOIST BAY.

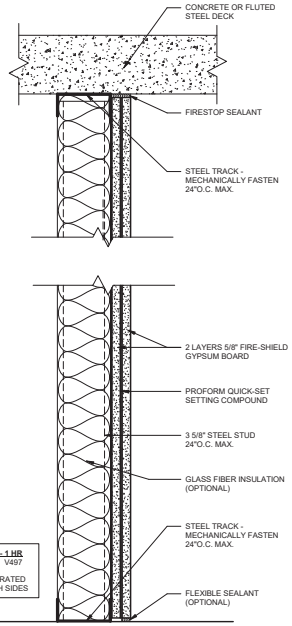
4. **GYPSUM BOARD* —** THREE LAYERS OF NOM. 5/8 IN. THICK, 48 IN. WIDE, GYPSUM BOARD INSTALLED WITH LONG DIMENSION PERPENDICULAR TO THE STEEL JOISTS. JOINTS NOT NEED TO BE STAGGERED IN INDIVIDUAL LAYERS. BASE LAYER SECURED TO JOISTS AND JOIST TRACK WITH 1-1/4 IN. LONG TYPE S-12 STEEL SCREWS SPACED MAX. 16 IN. O.C. MIDDLE LAYER INSTALLED WITH END JOINTS STAGGERED A MIN. 32 IN. FROM BASE LAYER. MIDDLE LAYER TAPERED JOINTS STAGGERED A MIN. 12 IN. FROM BASE LAYER TAPERED JOINTS. BOARDS SECURED TO THE JOISTS AND JOIST TRACK WITH 1-5/8 IN. LONG TYPE S-12 STEEL SCREWS SPACED MAX. 16 IN. O.C. FACE LAYER INSTALLED WITH END JOINTS STAGGERED A MIN. 24 IN. FROM MIDDLE LAYER. FACE LAYER TAPERED JOINTS STAGGERED A MIN. 12 IN. FROM MIDDLE LAYER TAPERED JOINTS. BOARDS SECURED TO THE JOISTS AND JOIST TRACK WITH 2-1/4 IN. LONG TYPE S-12 STEEL SCREWS SPACED MAX. 12 IN. O.C. FACE LAYER END JOINTS CENTERED BETWEEN JOISTS, ATTACHED TO THE MIDDLE LAYER BOARDS WITH 1-1/2 IN. LONG TYPE G STEEL SCREWS SPACED 8 IN. OC AND LOCATED 1-1/2 IN. FROM THE END JOINT.
UNITED STATES GYPSUM CO — TYPE ULIX

5. **GYPSUM BOARD* —** (REQUIRED THE 2 HOUR RATING, NOT REQUIRED FOR THE 1 HOUR RATING) - TWO LAYERS OF NOM. 5/8 IN. THICK, 24 IN. WIDE BY 48 IN. LONG. GYPSUM BOARD PANELS ARE LOOSELY LAID PERPENDICULAR TO THE TOP SIDE OF THE STEEL JOIST FLANGES. BASE LAYER LAID WITH NARROW (2FT.) END JOINTS CENTERED OVER JOISTS. SHORT END JOINTS IN ADJACENT ROWS ARE NOT STAGGERED. FACE LAYER LAID WITH NARROW (2FT.) END JOINTS CENTERED OVER JOISTS WITH END JOINTS IN ADJACENT ROWS NOT BEING STAGGERED. NARROW END JOINTS BETWEEN LAYERS ARE STAGGERED 16 IN., WITH LONG END JOINTS STAGGERED 8 IN. BETWEEN LAYERS.
UNITED STATES GYPSUM CO — TYPE ULIX

6. **JOINT TAPE AND COMPOUND —** NOT SHOWN — (OPTIONAL, NOT REQUIRED ON JOINTS OR SCREW HEADS) — VINYL, DRY OR PREMIXED JOINT COMPOUND, APPLIED IN TWO COATS TO JOINTS AND SCREW HEADS; PAPER TAPE, NOM. 2 IN. WIDE, EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS.

*** INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.**

UL DESIGN NO. V497
WALL RATING - 1 HR.



ABBREVIATIONS FOR ARCHITECTURAL FINISHES

<	ANGLE	BBD	BULLETIN BOARD	D	DRAIN	FSZ	FULL SIZE	MO	MASONRY OPENING	RD	ROOF DRAIN
C	CENTERLINE	CAB	CABINET	DT	DRAIN TILE	BO	FURNISHED BY OTHERS	MAT	MATERIAL (S)	RDC	ROOF DRAIN CONDUCTOR
℄	CHANNEL	CPT	CARPET (ED)	DWR	DRAWER	FUR	FURRED (ING)	MAX	MAXIMUM	RFG	ROOFING
d	PENNY	CB	CATCH BASIN	DWG	DRAWING	GA	GAGE, GAUGE	MECH	MECHANIC (AL)	RM	ROOM
⊥	PERPENDICULAR	CK	CALK (ING) CAULK (ING)	DF	DRINKING FOUNTAIN	GALV	GALVANIZED	MED	MEDIUM	RO	ROUGH OPENING
℗	PLATE	CLG	CEILING	DW	DUMBWAITER	GB	GRAB BAR	MFL	(WALL)	SFGL	SAFETY GLASS
Ø	DIAMETER	CT	CERAMIC TILE	EXF	EXHAUST FAN	GC	GENERAL CONTRACTOR	MTL	METAL	SCH	SCHEDULE
AFF	ABOVE	CHBD	CHALKBOARD	ELEC	ELECTRIC (AL)	GLA	GLASS, GLAZING	MIN	MINIMUM	SNT	SEALANT
ABV	ABOVE FINISH FLOOR	CIRC	CIRCUMFERENCE	EWC	ELECTRIC WATER COOLER	GLULAM	GLUE LAMINATED WOOD BEAM	MIR	MIRROR	STG	SEATING
ACC	ACCESS	CO	CLEAN OUT	EL	ELEVATION	GVL	GRAVEL	MISC	MISCELLANEOUS	SEC	SECTION
AP	ACCESS PANEL	CLR	CLEAR (ANCE)	ELEV	ELEVATOR	GWB	GYPSUM WALL BOARD	MR	MOP RECEPTOR	SSK	SERVICE SINK
ACOUS	ACOUSTICAL	CMU	CONCRETE MASONRY UNIT	EMER	EMERGENCY	GYP. BD.	GYPSUM BOARD	MULL	MULLION	SHTH	SHEATHING
ACT	ACOUSTICAL TILE	CNR. BD.	CORNER BEAD	EQ	EQUAL	HDW	HARDWARE	NRC	NOISE REDUCTION COEFFICIENT	SHT	SHEET
ADD	ADDENDUM	CFSSF	COLD FORMED STRUCTURAL STEEL FRAME	EQUIP	EQUIPMENT	HP	HIGH POINT	NOM	NOMINAL	SIM	SIMILAR
ADH	ADHESIVE			EST	ESTIMATE	HTG	HEATING	NC	NOT IN CONTRACT	SC	SOLID CORE
ADJ	ADJACENT	CFSSM	COLD FORMED STRUCTURAL STEEL MEMBER	EXH	EXHAUST	HVAC	HEATING/VENTILATING/AIR -CONDITIONING	NTS	NOT TO SCALE	SPK	SPEAKER
ADJT	ADJUSTABLE			EXIST	EXISTING			OC	ON CENTER (S)	SPEC	SPECIFICATION (S)
A/C	AIR CONDITIONING	COL	COLUMN	EB	EXPANSION BOLT	HT	HEIGHT	OFD	OVERFLOW DRAIN	SQ	SQUARE
ALT	ALTERNATE	COMP	COMPRESS (ED) (ION) (IBLE)	EJ	EXPANSION JOINT	HC	HOLLOW CORE	OPNG	OPENING	SST	STAINLESS STEEL
AL	ALUMINUM	CONC	CONCRETE	EXPD	EXPOSED	HM	HOLLOW METAL	OPP	OPPOSITE	STD	STANDARD
ALUM	ALUMINUM	CONN	CONNECTION	EXT	EXTERIOR	HK	HOOK (S)	OD	OUTSIDE DIAMETER	STA	STATION
ANC	ANCHOR, ANCHORAGE	CONST	CONSTRUCTION	F/CONC	FACE OF CONCRETE	HORIZ	HORIZONTAL	OA	OVERALL	STL	STEEL
AB	ANCHOR BOLT A	CONT	CONTINUOUS OR CONTINUE	F/FIN	FACE OF FINISH	HB	HOSE BIBB	OH	OPPOSITE HAND	STO	STORAGE
ANOD	ANODIZED	CONTR	CONTRACT (OR)	F/MAS	FACE OF MASONRY	HWH	HOT WATER HEATER	OHD	OVERHEAD	SFRT	STOREFRONT
APPROX	APPROXIMATE	CJ	CONTROL JOINT	F/STUDS	FACE OF STUDS	INCL	INCLUDE (D) (ING)	PNT	PAINT (ED)	SD	STORM DRAIN
ARCH	ARCHITECT (URAL)	CG	CORNER GUARD	FFH	FACTORY FINISH	ID	INSIDE DIAMETER	PNB	PANIC BAR	STRUC	STRUCTURAL
ASPH	ASPHALT	CORR	CORRUGATED	FAS	FASTEN (ER)	ILO	IN LIEU OF	PTD	PAPER TOWEL DISPENSER	SUSP	SUSPENDED
BACC	BATH ACCESSORY	CTR	COUNTER	FGL	FIBERGLASS	INSUL	INSULATE (D) (ION)	PTN	PARTITION	SWP	STANDARD WEIGHT PIPE
BSMT	BASEMENT	CFL	COUNTERFLASHING	FIN	FINISH (ED)	INT	INTERIOR	PLAM	PLASTIC LAMINATE	SYM	SYMMETRY (ICAL)
BM	BEAM	CSG. BD.	CASING BEAD	FFL	FINISHED FLOOR LINE	INV	INVERT	PL	PLATE	TKBD	TACKBOARD
BRG	BEARING	CTSK	COUNTERSINK	FE	FIRE EXTINGUISHER	JC	JANITOR'S CLOSET	PLY. WD.	PLYWOOD	TKS	TACKSTRIP
BRG PL	BEARING PLATE	DPR	DAMPER	FEC	FIRE EXTINGUISHER CABINET	JT	JOINT	PWD	PLYWOOD	TEL	TELEPHONE
BEL	BELOW	DP	DAMPPROOFING	FHS	FIRE HOSE STATION	KPL	KICKPLATE	PT	PRESERVATIVE TREATED	TV	TELEVISION
BET	BETWEEN	DL	DEAD LOAD	FHC	FIRE HOSE CABINET	KIT	KITCHEN	PFB	PREFABRICATE (D)	TERR	TERRAZZO
BEV	BEVELED	DEM	DEMOLISH, DEMOLITION	FPRF	FIREPROOF FLASH FLASHING	KO	KNOCKOUT	PFN	PREFINISHED	THK	THICK (NESS)
BIT	BITUMINOUS	DMT	DEMOUNTABLE	FLSG	FLASHING	LAB	LABORATORY	PM	PRESSED METAL	THRES	THRESHOLD
BLK	BLOCK	DEPR	DEPRESSED	FHMS	FLATHEAD MACHINE SCREW	LAM	LAMINATE (D)	QT	QUARRY TILE	TPTN	TOILET PARTITION
BLKG	BLOCKING	DET	DETAIL	FHWS	FLATHEAD WOOD SCREW	LAV	LAVATORY	RAD	RADIUS	TPD	TOILET PAPER DISPENSER
BD	BOARD	DIAG	DIAGONAL	FLX	FLEXIBLE	L	LENGTH	REF	REFERENCE	TOL	TOLERANCE
BS	BOTH SIDES	DIA	DIAMETER	FL	FLOOR (ING)	LT	LIGHT	REFL	REFLECT (ED) (VE) (OR)	T&G	TONGUE AND GROOVE
BW	BOTH WAYS	DIM	DIMENSION	FD	FLOOR DRAIN	LL	LIVE LOAD	RB	RESILIENT BASE	T/CONC	TOP OF CONCRETE
BOT	BOTTOM	DIV	DIVISION	FLUR	FLUORESCENT	LVR	LOUVER	RA	RETURN AIR	T/SLB	TOP OF SLAB
BRK	BRICK	DR	DOOR	FTG	FOOTING	LP	LOW POINT	REV	REVISION (S) REVISED	T/STL	TOP OF STEEL
BLDG	BUILDING	DA	DOUBLE ACTING	FDN	FOUNDATION	MFR	MANUFACTURE (ER)	R	RISER	T/W	TOP OF WALL
BUR	BUILT UP ROOFING	DS	DOWNSPOUT	FR	FRAME (D) (ING)	MAS	MASONRY				

RDC	ROOF DRAIN CONDUCTOR	TLT	TOILET
RFG	ROOFING	TME	TO MATCH EXISTING
RM	ROOM	T	TREAD
RO	ROUGH OPENING	TYP	TYPICAL
SFGL	SAFETY GLASS	UNO	UNLESS NOTED OTHERWISE
SCH	SCHEDULE	UNF	UNFINISHED
SNT	SEALANT	UR	URINAL
STG	SEATING	UIS	UNDERSIDE
SEC	SECTION	VPB	VAPOR BARRIER
SSK	SERVICE SINK	VERT	VERTICAL
SHTH	SHEATHING	VIF	VERIFY IN FIELD
SHT	SHEET	VIN	VINYL
SIM	SIMILAR	VCT	VINYL COMPOSITION TILE
SC	SOLID CORE	VB	VINYL BASE
SPK	SPEAKER	VT	VINYL TILE
SPEC	SPECIFICATION (S)	VWF	VINYL WALL FABRIC
SQ	SQUARE	WSCT	WAINSCOT
SST	STAINLESS STEEL	WC	WATER CLOSET
STD	STANDARD	WPF	WATERPROOFING
STA	STATION	WWM	WELDED WIRE MESH
STL	STEEL	W.	WIDTH, WIDE
STO	STORAGE	WIN	WINDOW
SFRT	STOREFRONT	WGL	WIRED GLASS
SD	STORM DRAIN	WMP	WIRE MESH PARTITION
STRUC	STRUCTURAL	W/	WITH
SUSP	SUSPENDED	W/O	WITHOUT
SWP	STANDARD WEIGHT PIPE	WD	WOOD
SYM	SYMMETRY (ICAL)	WB	WOOD BASE
TKBD	TACKBOARD	WPT	WORKING POINT
TKS	TACKSTRIP		
TEL	TELEPHONE		
TV	TELEVISION		
TERR	TERRAZZO		
THK	THICK (NESS)		
THRES	THRESHOLD		
TPTN	TOILET PARTITION		
TPD	TOILET PAPER DISPENSER		
TOL	TOLERANCE		
T&G	TONGUE AND GROOVE		
T/CONC	TOP OF CONCRETE		
T/SLB	TOP OF SLAB		
T/STL	TOP OF STEEL		
T/W	TOP OF WALL		

ABBREVIATIONS FOR ARCHITECTURAL FINISHES

ACT:	ACOUSTICAL CEILING TILE
CG:	CORNER GUARD
CONC:	CONCRETE
CPT:	CARPET
CT:	CERAMIC TILE
CTB:	CERAMIC TILE BASE
CTF:	CERAMIC TILE FLOORING
CWT:	CERAMIC WALL TILE
EPX:	EPOXY FLOORING
EPC:	EPOXY COATING
EPP:	EPOXY PAINT
ETR:	EXISTING TO REMAIN
EXP:	EXPOSED STRUCTURE
FF:	FINISHED FLOOR
FRP:	FIBER REINFORCED PANEL
GB:	GYPSUM BOARD
GT:	GROUT
LVT:	LUXURY VINYL TILE
MTL:	METAL
OFCI:	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI:	OWNER FURNISHED, OWNER INSTALLED
PC:	POLISHED CONCRETE
PL:	PLASTIC LAMINATE
PLW:	PLYWOOD
PT:	PAINT
PTB:	PORCELAIN TILE BASE
PTF:	PORCELAIN TILE FLOORING
PWT:	PORCELAIN WALL TILE
RB:	RUBBER / VINYL BASE
RF:	RUBBER FLOOR
RN:	RUBBER NOSING
RT:	RUBBER TILE
RSTR:	RUBBER STAIR TREAD/RISER
SC:	SEALED CONCRETE
SPF:	SPORTS FLOORING
SS:	SOLID SURFACE
ST:	STAIN
STC:	STAMPED CONCRETE
SV:	SHEET VINYL
TBD:	TO BE DETERMINED
TR:	TRANSITION STRIP
WC:	WALL COVERING
WDB:	WOOD BASE
WDF:	WOOD FLOORING
WAF:	WOOD ATHLETIC FLOORING
VCT:	VINYL COMPOSITION TILE
VRB:	VENTED RUBBER BASE

4 G-003 **ABBREVIATIONS**
SCALE: 12" = 1'-0"

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WWW.THEJLAGROUP.COM

CLIENT: AUGUSTA MUSEUM OF HISTORY
560 REYNOLDS ST., AUGUSTA, GA 30901

PROJECT NAME: **AUGUSTA MUSEUM OF HISTORY**

PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

REV.	DATE:	BY:	DESCRIPTION
0	08/03/22	WLD	ISSUED FOR CONSTRUCTION

PROJECT NO.	3042.2103
DRAWN BY:	CTH
CHECKED BY:	WLD
DATE:	08/03/2022

SHEET TITLE:
RATED WALL TYPE & RATED CEILING TYPE

SCALE: AS NOTED

DRAWING NO. **G-003** REV. **0**

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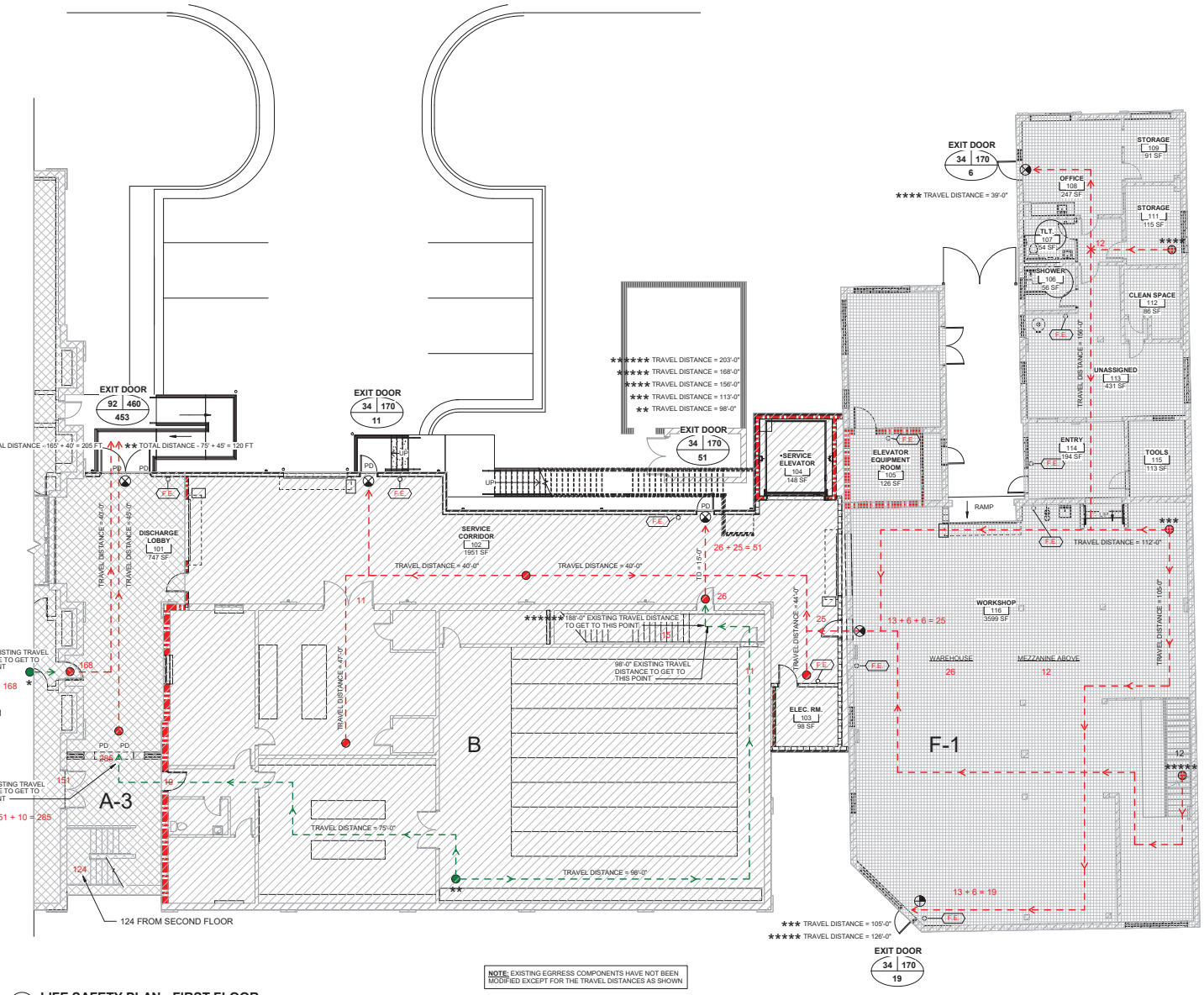

NOTE: EXISTING EGRRESS COMPONENTS HAVE NOT BEEN MODIFIED EXCEPT FOR THE TRAVEL DISTANCES AS SHOWN

1 G-004 **LIFE SAFETY PLAN - FIRST FLOOR**
SCALE: 1/8" = 1'-0"

LIFE SAFETY PLAN LEGEND

- EGRESS TRAVEL PATH: DISTANCE NOTED IS ACTUAL.
- LOCATION/PATH INDICATOR
- ROOM NAME & NUMBER
- ROOM AREA
- OCCUPANCY LOAD FACTOR AND METHOD
- EXIT CAPACITY (DOOR EGRESS WIDTH / 0.2)
- ANTICIPATED LOAD
- EGRESS WIDTH
- HO — HOLD OPEN
- PD — PANIC DEVICE
- F.E. — FIRE EXTINGUISHER WITH BRACKET
- EXIT SIGN
- # — OCCUPANCY NUMBER

WALL LEGEND

- EXISTING 1 HR RATED WALL
- 1 HR RATED CMU WALL
- 1 HR RATED CMU WALL
- 1 HR RATED METAL STUD WALL

OCCUPANCY LEGEND

- A-3
- B
- F-1

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

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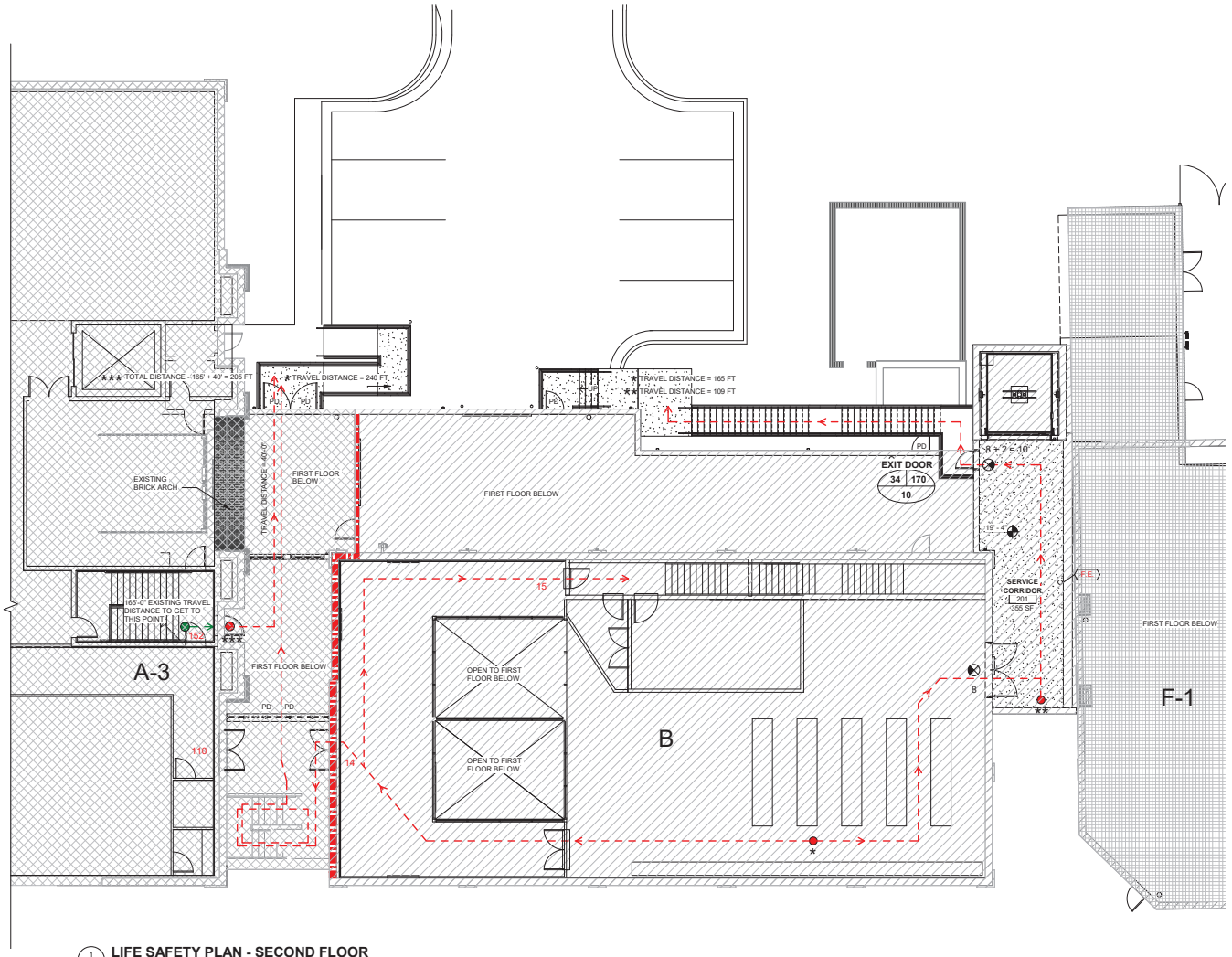
REV.	DATE	BY	DESCRIPTION
0	08/03/22	WLD	ISSUED FOR CONSTRUCTION

PROJECT NO.	3042.2103
DRAWN BY:	CTH
CHECKED BY:	WLD
DATE:	08/03/2022

SHEET TITLE: **LIFE SAFETY PLAN - FIRST FLOOR**

SCALE: AS NOTED

DRAWING NO. **G-004** REV. **0**



LIFE SAFETY PLAN - SECOND FLOOR

1 G-005 SCALE: 1/8" = 1'-0"

NOTE: EXISTING EGRRESS COMPONENTS HAVE NOT BEEN MODIFIED EXCEPT FOR THE TRAVEL DISTANCES AS SHOWN

LIFE SAFETY PLAN LEGEND

- EGRESS TRAVEL PATH: DISTANCE NOTED IS ACTUAL.
- LOCATION/PATH INDICATOR
- ROOM NAME & NUMBER (101)
- ROOM AREA (150 SF)
- OCCUPANCY LOAD FACTOR AND METHOD (OCC)
- EXIT DOOR (68" | 340 | 299)
- EXIT CAPACITY (DOOR EGRESS WIDTH / 0.2)
- ANTICIPATED LOAD
- EGRESS WIDTH
- HO — HOLD OPEN
- PD — PANIC DEVICE
- F.E. — FIRE EXTINGUISHER WITH BRACKET
- EXIT SIGN
- # — OCCUPANCY NUMBER

WALL LEGEND

- EXISTING 1 HR RATED WALL
- 1 HR RATED CMU WALL
- 1 HR RATED CMU WALL
- 1 HR RATED METAL STUD WALL

OCCUPANCY LEGEND

- A-3
- B
- F-1

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

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REV.	DATE	BY	DESCRIPTION
0	08/03/22	WLD	ISSUED FOR CONSTRUCTION

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DRAWN BY: CTH
CHECKED BY: WLD
DATE: 08/03/2022
SHEET TITLE: LIFE SAFETY PLAN - SECOND FLOOR
SCALE AS NOTED
DRAWING NO. G-005
REV. 0

8/3/2022 9:41:54 AM C:\Revit - Local Projects\3042.103_Augusta Museum\3042.103_Architectural_Local_revit.rvt

GENERAL NOTES

1. THE CONTRACTOR WILL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS AND LICENSES AS REQUIRED BY RICHMOND COUNTY NECESSARY FOR CONSTRUCTION.
2. ALL DRAINAGE EASEMENTS AND DISTURBED AREAS MUST BE GRASSED AND/OR RIPRAPPED AS REQUIRED TO CONTROL EROSION.
3. ALL CONSTRUCTION WITHIN AUGUSTA RIGHTS-OF-WAY SHALL CONFORM TO AUGUSTA-RICHMOND COUNTY, GEORGIA STANDARDS AND SPECIFICATIONS.
4. ALL SILT BARRIERS MUST BE PLACED IMMEDIATELY FOLLOWING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIERS INSTALLATION IS COMPLETED.
5. CONTRACTOR SHALL CONTACT THE INSPECTION DIVISION OF THE PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS PRIOR TO STARTING WORK ON THE PROJECT. THE PHONE NUMBER FOR THIS OFFICE IS (706) 821-1706.
6. THE OWNER WILL PROVIDE THE FOLLOWING CERTIFICATION: "I AM THE OWNER OF THE PROPERTY AFFECTED BY THIS SITE PLAN. PRIOR TO REQUESTING A CERTIFICATE OF OCCUPANCY, I WILL SUBMIT A NOTARIZED STATEMENT AS FOLLOWS: 'I CERTIFY THAT THE SITE IMPROVEMENTS ARE COMPLETE AND IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.' THIS CERTIFICATION WILL BE BASED ON OBSERVATIONS OF AND SUPERVISION OF CONSTRUCTION BY MY REPRESENTATIVE OR ME. I UNDERSTAND THAT THE CERTIFICATE OF OCCUPANCY WILL NOT BE APPROVED UNTIL THIS CERTIFICATION HAS BEEN MADE".
7. THERE ARE NO KNOWN GRAVE SITES OR CEMETERIES LOCATED ON THE PROPERTY. IF GRAVE SITES OR CEMETERIES ARE DISCOVERED DURING CONSTRUCTION, INFORMATION MUST BE SUBMITTED TO THE PLANNING COMMISSION IMMEDIATELY.
8. THE DEVELOPER/CONTRACTOR SHALL BE RESPONSIBLE FOR THE INITIAL INSTALLATION OF THE SIGNS SUCH AS "STOP" SIGNS AND OTHER TRAFFIC CONTROL DEVICES AS REQUIRED BY THE TRAFFIC ENGINEER.
9. APPROVAL BY AUGUSTA-RICHMOND COUNTY, GEORGIA IS FOR THE IMPROVEMENTS SHOWN IN THE SITE PLAN. ANY VARIATION FROM THE APPROVED SITE PLAN MUST BE APPROVED BY THE CITY ENGINEER.
10. THE COST OF INSPECTION BY THE CITY OF AUGUSTA-RICHMOND COUNTY'S DEPARTMENT OF PUBLIC WORKS AND ENGINEERING, BEFORE OR AFTER REGULAR WORKING HOURS, ON SATURDAYS, SUNDAYS OR LEGAL HOLIDAYS, SHALL BE PAID FOR BY THE INDIVIDUAL REQUESTING THE INSPECTION AT A RATE OF 1 ½ TIMES THE REGULAR SALARY PER HOUR OF THE INSPECTOR PLUS 7.65% FROM THE EMPLOYER'S FICA/MEDICARE MATCH. APPROVAL FOR THE INSPECTION OUTSIDE OF NORMAL WORKING HOURS SHALL BE OBTAINED FROM THE COUNTY ENGINEER 48-HOURS IN ADVANCE. PRIOR TO THE COMMENCEMENT OF WORK REQUIRING INSPECTION OUTSIDE OF NORMAL WORKING HOURS, THE INDIVIDUAL REQUESTING THE INSPECTION SHALL SIGN A FORM WHICH IS FURNISHED BY THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING AGREEING TO PAY THE OVERTIME. THE INDIVIDUAL REQUESTING THE INSPECTION SHALL SIGN A FORM WHICH IS FURNISHED BY THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING AGREEING TO PAY THE OVERTIME. THE INDIVIDUAL REQUESTING THE INSPECTION WILL BE BILLED BY THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING FOR PAYMENT.
11. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD WITH THE CITY ENGINEER OR HIS DESIGNATED REPRESENTATIVE PRIOR TO BEGINNING CONSTRUCTION. THIS MEETING SHALL BE SCHEDULED WITH THE ENGINEERING DEPARTMENT AT THE TIME THE NOTIFICATION OF WORK COMMENCEMENT IS GIVEN.
12. ALL BOXES HAVING A DEPTH OF 4'-0" OR GREATER SHALL HAVE STEPS. MANHOLE COVER SHALL BE LOCATED SUCH THAT STEPS CAN BE READILY ACCESSIBLE.
13. NO MARQUEE, ISLANDS, OR SPRINKLER SYSTEM TO BE LOCATED WITHIN THE RIGHT-OF-WAY. THE CONTRACTOR SHALL VERIFY I.E. OF ALL EXISTING PIPES AND ROAD GRADE ELEVATIONS OF EXISTING ROADS BEFORE BEGINNING CONSTRUCTION.
14. NOTIFY THE COUNTY ENGINEER'S OFFICE 48 HRS. PRIOR TO STARTING CONSTRUCTION, POURING TRAP TOPS, DUMPING BASE OR PAVING.
15. APPROVAL OF THESE PLANS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF ADHERING TO THE WEIGHT LIMITS PRESCRIBED ON STATE, COUNTY & CITY MAINTAINED ROADS FOR HAULING EQUIPMENT OR MATERIALS TO & FROM THIS SITE.
16. THE CONTRACTOR IS RESPONSIBLE TO REMOVE OR CLEAN OUT ANY SILT, DIRT, MUD OR ANY OTHER TYPE OF DEBRIS THAT COMES OFF THE SITE AND FINDS ITS WAY INTO PRIVATE PONDS OR A COUNTY OWNED POND. THEY ARE RESPONSIBLE TO REMOVE ANY OF THE ABOVE MENTIONED ITEMS THAT COME OFF THE SITE ONTO PRIVATE, COUNTY OR STATE OWNED PROPERTIES TO INCLUDE RIGHTS-OF-WAY.
17. A CAD FILE WILL BE PROVIDED FOR SITE GEOMETRY STAKING. HOWEVER THE PRINTED SEALED PLANS ARE THE RECORD. JLA IS NOT RESPONSIBLE FOR THE USE OR MISUSE OF THE ELECTRONIC FILE.
18. LOCATION OF PROPOSED BUSINESS SIGN SHALL BE IN ACCORDANCE WITH 28-B-3 OF AUGUSTA ZONING ORDINANCE AND SHALL BE SUBMITTED AND APPROVED BY THE LICENSE AND INSPECTION DEPARTMENT PRIOR TO ERECTION AND/OR INSTALLATION.
19. ANY ENCROACHMENT INTO THE COUNTY RIGHT OF WAY WHICH POSES A RESTRICTION OF TRAFFIC FLOW OR ENDANGERS THE MOTORING PUBLIC SHALL REQUIRE A "TRAFFIC CONTROL PLAN" PRIOR TO APPROVAL OF THE PLAN. CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN INCLUDING DETOURS AND LANE CLOSING ON ROADWAY CUTS AS REQUIRED BY THE AUGUSTA-RICHMOND COUNTY COMPREHENSIVE ZONING ORDINANCE.
20. AN ELECTRONIC (PREFERABLY CAD FILE) AS-BUILT SITE PLAN SHALL BE PROVIDED TO AUGUSTA ENGINEERING DEPARTMENT PRIOR TO ACCEPTANCE BY THE CITY OF AUGUSTA. THE AS-BUILTS SHALL BE BASED ON A STANDARD SURVEY INDUSTRY COORDINATE SYSTEM AND VERTICAL DATUM.
21. A 4-FOOT x 4 FOOT PAD, 6 INCHES IN DEPTH OF 3,000 PSI CONCRETE SHALL BE POURED AROUND ALL MANHOLES IN ANY PUBLIC ROADWAY 2 INCHES BELOW THE FINISHED PAVEMENT GRADE TO INSURE COMPACTION AROUND SAID MANHOLE.
22. ENGINEER'S STATEMENT OF COMPLETED SITE IMPROVEMENTS: I HEREBY CERTIFY THAT I AM A LICENSED ENGINEER IN THE STATE OF GEORGIA. TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, SITE IMPROVEMENTS WERE CONSTRUCTED IN GENERAL CONFORMANCE WITH PERMITTED PLANS AND SPECIFICATIONS, AND IN MY PROFESSIONAL OPINION, IS IN COMPLIANCE APPLICABLE LAWS, CODES, AND ORDINANCES.
23. SIDEWALK WITHIN THE LIMITS OF THIS PROJECT SHALL MEET THE MINIMUM REQUIREMENTS FOR THE CITY OF AUGUSTA AND ADA FOR CONNECTOR STREETS.
24. THE CONTRACTOR SHALL BE REQUIRED TO HAVE ON SITE A COPY OF THE GEORGIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS AND CONSTRUCTION STANDARD DETAILS, CURRENT EDITION.
25. ALL CONSTRUCTION WITHIN AUGUSTA RIGHTS-OF-WAY SHALL CONFORM TO AUGUSTA, GEORGIA STANDARDS AND SPECIFICATIONS.
26. THE CONTRACTOR SHALL FIELD VERIFY INVERT ELEVATIONS OF EXISTING SANITARY SEWER AND STORM SEWER PIPING PRIOR TO START OF WORK AND CONTACT THE ENGINEER IF ANY VARIANCES EXIST PREVENTING THE DESIGNED CONFIGURATION.

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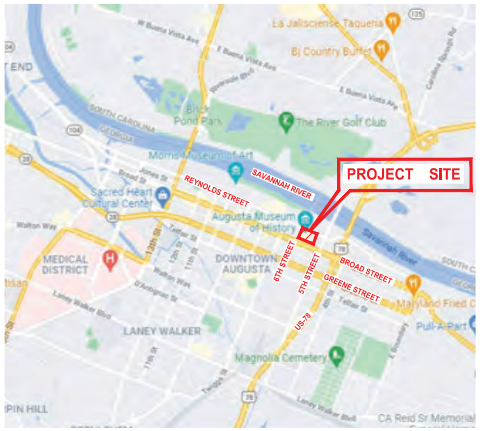
UTILITY WARNING:
The underground utilities shown have been located from field survey information and existing drawings. The engineer makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The engineer further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The engineer has not physically located the underground utilities.

PROJECT LOCATION MAP



CIVIL DRAWING INDEX

PROJECT DATA

OWNER (PRIMARY PERMITEE):
AUGUSTA MUSEUM OF HISTORY
560 REYNOLDS STREET
AUGUSTA, GA 30901

OWNER'S CONTACT:
NANCY J. GLASER, EXECUTIVE DIRECTOR
P: 706-722-8454
E: amh@augustamuseum.org

OWNER'S ENGINEER:
JOHNSON, LASCHOBER & ASSOCIATES, P.C.
RETT HARBESON, PLA
1296 BROAD STREET
AUGUSTA, GA 30901
P: 706-724-5756
E: rharbeson@theJLAgroup.com

PROPERTY ADDRESS:	560 REYNOLDS STREET AUGUSTA, GA 30901
PARCELS:	047-1-014-00-0 047-2-025-00-0
ZONING:	B-2, GENERAL BUSINESS
TOTAL SITE AREA:	2.64 + 0.19 = 2.83 ACRES
DISTURBED AREA:	0.123 ACRES (5,368 SF)

SITE LEGEND

	EXISTING	PROPOSED
BLDG. STRUCTURE		
PROPERTY LINE OR RIGHT-OF-WAY	BEARING/LENGTH DIST./RADIUS	
BENCHMARK		
SPOT ELEVATION	+100.0	+100.00
CONTOUR	100	100
STORM DRAIN	18"RCP	18"SD
SANITARY SEWER	8"SS	8"SS
CLEAN-OUT/SS SERVICE	C.O.	C.O.
WATER	8"W	8"W
NATURAL GAS	3"G	3"G
OVERHEAD POWER	OHP	
UNDERGROUND POWER	UGP	
FENCE	(TYP.)	(TYPE)
CONCRETE		
CONCRETE CURB & GUTTER PITCHED (SPILL) NORMAL		

ABBREV.	DESCRIPTION
N/F	NOW / FORMERLY
PID	PROPERTY IDENTIFICATION NUMBER
R/W	RIGHT-OF-WAY
WM	WATER METER
WV	WATER VALVE
CO	CLEAN OUT

GENERAL AUD NOTES

1. ALL CONSTRUCTION OF WATER DISTRIBUTION SYSTEMS AND WASTEWATER COLLECTION SYSTEM LINES SHALL BE IN ACCORDANCE WITH AUGUSTA UTILITIES DEPARTMENT (AUD) WATER & SANITARY SEWER SYSTEMS-DESIGN STANDARDS, CONSTRUCTION SPECIFICATIONS AND DETAILS (LATEST PUBLICATION).
2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT LOCATION, SIZE, AND MATERIAL OF ANY EXISTING WATER OR SANITARY SEWER UTILITY PROPOSED FOR CONNECTION OR USE BY THE PROJECT.
3. CONTRACTOR SHALL CONTACT THE UTILITIES PROTECTION INC. "CALL BEFORE YOU DIG" SERVICE (811) IN ORDER TO LOCATE UTILITIES PRIOR TO STARTING ANY EXCAVATION OR CONSTRUCTION. THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN ON PLANS ARE APPROXIMATE AS DETERMINED FROM EXISTING RECORDS.
4. THE CONTRACTOR SHALL COORDINATE THE WORK OF THE UTILITY COMPANIES.
5. THE AUGUSTA ENGINEERING DEPARTMENT (AED) SHALL BE NOTIFIED AT LEAST 48 HOURS (TWO WORKING DAYS) IN ADVANCE DURING REGULAR WORKING HOURS (8:30AM TO 5:00PM, MONDAY-FRIDAY, EXCLUDING AUGUSTA, GEORGIA HOLIDAYS) PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY WITHIN AUGUSTA, GEORGIA RIGHT-OF-WAY. CONTACT AED AT (706-821-1706).
6. THE AUD ENGINEERING DIVISION SHALL BE NOTIFIED AT LEAST 48 HOURS (TWO WORKING DAYS) IN ADVANCE DURING REGULAR WORKING HOURS (8:30 AM TO 5:00 PM, MONDAY- FRIDAY, EXCLUDING AUGUSTA, GEORGIA HOLIDAYS) PRIOR TO ANY CONSTRUCTION, TIE-INS, OR TESTING OF WATER OR WASTEWATER UTILITIES. NO WORK SHALL COMMENCE UNTIL CONTACT IS MADE WITH THE PROJECT'S AUD INSPECTIONS REPRESENTATIVE.
7. DISTURBANCE OF ANY SURVEY MARKERS OR MONUMENTS REQUIRES RE-ESTABLISHMENT BY A PROFESSIONAL LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE. DOCUMENTATION OF THE WORK MUST BE PRESENTED TO THE AUD ENGINEERING DIVISION BEFORE THE PROJECT IS COMPLETED.
8. ANY DISCREPANCIES, ERRORS, OR OMISSIONS DISCOVERED ON PLANS OR IN THE SPECIFICATIONS SHOULD BE NOTED ON THE CONTRACT PROPOSAL AND DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO CORRECT THE SAME.
9. ALL CONCRETE SHALL AND HAVE MINIMUM 28-DAY STRENGTH OF 3,000 PSI.
10. IF A CONFLICT ARISES BETWEEN THE NEW WORK AND THE EXISTING WATER AND SEWER UTILITIES DURING THE COURSE OF CONSTRUCTION, IT WILL BE THE RESPONSIBILITY OF THE OWNER/DEVELOPER/CONTRACTOR, AT THEIR EXPENSE AND NOT AUD'S, TO CORRECT THE DISCREPANCY AS DIRECTED BY A REPRESENTATIVE OF AUD.
11. ALL EXISTING AUGUSTA ROAD STRUCTURES SUCH AS STORM MANHOLES, INLET BOXES, ETC., SHALL BE MAINTAINED AND OR ADJUSTED AS IS APPROPRIATE TO ENSURE PROPER USE.
12. ALL MATERIALS DEEMED SALVAGEABLE BY AUD ARE THE PROPERTY OF AUGUSTA, GEORGIA AND WILL BE REMOVED AND STORED ON SITE IN A SECURED AREA DETERMINED DURING CONSTRUCTION BY THE CONTRACTOR, AND AUGUSTA UTILITIES DEPARTMENT.
13. FOR PRIVATE DEVELOPMENTS, AUD SHALL NOT BE RESPONSIBLE FOR PAVEMENT PATCHING AND/OR REPLACEMENT AND THE SITE RESTORATION WHENEVER AUD PERFORMS REPAIR, REPLACEMENT OR INSTALLATION WORK.
14. IF AUD MUST REPAIR OR REPLACE UTILITIES ON THE WORK SITE, THEN THE RESPONSIBLE PARTY SHALL ARRANGE FOR ACCESS BY AUD AS REQUIRED TO REPAIR OR REPLACE THE UTILITY.
15. A MINIMUM (20') UTILITY EASEMENT CENTERED OVER ALL WATER LINES AND A MINIMUM 20' UTILITY EASEMENT CENTERED OVER ALL WASTEWATER LINES SHALL BE DEEDED TO AUGUSTA, GEORGIA AT COMPLETION AND ACCEPTANCE OF SAID LINES. EASEMENTS CONTAINING BOTH WATER AND SEWER SHALL BE 10' FROM THE CENTER OF THE UTILITY TO OUTSIDE OF THE EASEMENT, WHILE MAINTAINING MINIMUM SEPARATION REQUIREMENTS AS LISTED IN AUD'S WATER AND SANITARY SEWER SYSTEMS-DESIGN STANDARDS, CONSTRUCTION SPECIFICATIONS, AND DETAILS.
16. A RIGHT-OF-WAY ENCROACHMENT PERMIT SHALL BE OBTAINED FROM AED PRIOR TO COMMENCING ANY WORK WITHIN AN AUGUSTA, GEORGIA RIGHT-OF-WAY. THE UTILITIES ENCROACHMENT PERMIT MUST BE APPLIED FOR THROUGH AUD.
17. "A GEORGIA DOT RIGHT-OF-WAY ENCROACHMENT PERMIT MAY BE REQUIRED FOR WORK ON TEMPORARY OR PERMANENT STATE ROUTES. CONTACT AUD ENGINEERING DIVISION TO DETERMINE IF A PERMIT IS REQUIRED. THE UTILITIES ENCROACHMENT PERMIT MUST BE APPLIED FOR THROUGH AUD. CONDITIONS OF THE PERMIT MUST BE COMPLIED WITH FULLY. THE PERMIT MUST BE IN HAND A MINIMUM 24 HOURS NOTICE GIVEN TO GDOT PRIOR TO BEGINNING ANY WORK IN THE GDOT RIGHT-OF-WAY."
18. TRAFFIC CONTROL DEVICES SHALL MEET AND BE INSTALLED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALSO, A TRAFFIC CONTROL/DETOUR PLAN SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL AS NOTED IN THE AUGUSTA- RICHMOND COUNTY, GEORGIA-RIGHTS OF WAY ENCROACHMENT GUIDELINES.
19. THE CONTRACTOR AND THE AUD REPRESENTATIVE SHALL HAVE A COPY OF THE AUGUSTA- RICHMOND COUNTY, GEORGIA-RIGHTS OF WAY ENCROACHMENT GUIDELINES DEVELOPMENT DOCUMENT #15, ADOPTED JUNE 1999, AMENDED AUGUST 2000. THE REQUIREMENTS SET FORTH IN THIS DOCUMENT SHALL BE ADHERED TO AT ALL TIMES.
20. CLEARING AND GRUBBING SHALL BE AT THE CONTRACTOR'S DISCRETION, SUBJECT TO AUD APPROVAL, TO FACILITATE CONSTRUCTION.
21. THE IMPLEMENTATION OF BEST MANAGEMENT PRACTICES (BMP'S) FOR EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA SHALL BE INSTALLED AND MAINTAINED AT ALL TIMES.

AUD WATER & SEWER NOTES

1. AN AUD INSPECTOR SHALL BE PRESENT OR SECTION LEFT UNCOVERED UNTIL INSPECTED BY THE INSPECTOR WHEN A TAP, TIE-IN OCCURS, RESTRAINED JOINTS ARE INSTALLED, BENDS, FITTINGS, FIRE HYDRANTS, VALVES AND PRESSURE TESTING. CONTRACTOR IS TO PROVIDE AT LEAST 48 HOUR NOTICE (TWO WORKING DAYS) IN ADVANCE DURING REGULAR WORKING HOURS (8:30 AM TO 5:00 PM, MONDAY-FRIDAY, EXCLUDING AUGUSTA, GEORGIA HOLIDAYS).
2. ALL PVC WATER LINES SHALL BE A MINIMUM DR-18 PVC MEETING AWWA C-900 AND/OR C-905, UNLESS OTHERWISE SHOWN OR SPECIFIED.
3. ALL DIP WATER LINES SHALL BE CLASS 350 FOR LINES 16" DIAMETER AND SMALLER, AND CLASS 300 FOR LINES 18" DIAMETER THROUGH 24" DIAMETER, UNLESS OTHERWISE SPECIFIED OR SHOWN.
4. ALL NEW WATER LINES SHALL BE INSTALLED PER PIPELINE MANUFACTURER RECOMMENDATIONS.
5. ALL WATER LINES SHALL BE TESTED, CHLORINATED, AND CHECKED FOR BACTERIA PER AUD'S WATER & SANITARY SEWER SYSTEMS-DESIGN STANDARDS, CONSTRUCTION SPECIFICATIONS AND DETAILS.
6. COPPER WIRE (12-GAUGE, INSULATED, SINGLE STRAND) SHALL BE ATTACHED ALONG TOP OF ALL BURIED WATER LINES, WRAPPED AROUND SERVICE CORPORATIONS AND BROUGHT UP ON THE OUTSIDE OF ALL VALVE BOXES, STUBBING OUT AT THE TOP TO FACILITATE TRACEABILITY. THIS WIRE SHALL BE PROPERLY SPLICED WITH A WATER PROOF CONNECTOR FOR ELECTRICAL CONNECTIVITY, AND THEN INSULATED TO PROTECT AGAINST CORROSION. (REFERENCE AUD DETAILS WHEN APPLICABLE).
7. DETECTOR TAPE SHALL BE 4 INCHES WIDE AND PLACED 2 FEET ABOVE PIPE. ADD SIMILAR DEVICE TO CONDUIT PER AUD DETAIL 4.3.
8. ALL WATER VALVES ON THE MAIN LINES, INCLUDING HYDRANT LATERALS, SHALL BE OPEN-LEFT IF INSTALLED SOUTH OF GORDON HIGHWAY (S.R. 10), OR OPEN-RIGHT IF INSTALLED NORTH OF GORDON HIGHWAY.
9. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN A METER BOX AT THE TERMINATION POINT OF ALL WATER SERVICES. METER BOXES WILL IN NO WAY BE PLACED UNDER DRIVEWAYS. METER BOXES WILL PREFERABLY BE LOCATED IN THE CENTER OF THE LOT AND WITHIN 1' INSIDE OF THE R/W, AND MAINTAINED BY THE CONTRACTOR UNTIL SUCH TIME THE METER IS INSTALLED.
10. WATER SERVICES SHALL HAVE MINIMUM DIAMETER OF 1 INCH (REFERENCE AUD DETAILS WHEN APPLICABLE).
11. ANY EXISTING WATER SERVICE LINES WHICH ARE EXTENSIONS OFF AN EXISTING WATER MAIN TO BE ABANDONED OR DISCOVERED DURING CONSTRUCTION SHALL BE REPLACED. THESE NEW SERVICE LINES ARE TO TIE INTO THE NEW WATER MAIN AND BE RECONNECTED TO THE EXISTING WATER METER.
12. ALL EXISTING WATER SERVICES SHALL BE EXTENDED AND METER BOXES RELOCATED AS REQUIRED BEYOND THE LIMITS OF CONSTRUCTION. THE SERVICES SHALL BE CONNECTED TO THE NEW WATER MAIN AFTER SAID MAIN HAS BEEN STERILIZED, PRESSURE TESTED AND PUT INTO SERVICE. IN THE EVENT THAT THE SERVICE LINE IS NOT ACTIVE, A NEW WATER SERVICE WILL BE REQUIRED TO BE CONSTRUCTED.
13. ALL WATER METERS SHALL BE PURCHASED FROM AUD CONSTRUCTION AND MAINTENANCE DIVISION.
14. THE DEVELOPER/CONTRACTOR SHALL LOCATE WATER SERVICES AND VALVES BY ETCHING A "W" FOR THE WATER SERVICE AND A "V" FOR A VALVE IN THE CURB OR IN THE PAVEMENT IF NO CURB IS AVAILABLE, AND HIGHLIGHT THE ETCHING WITH BLUE PAINT PER THE APWA UNIFORM COLOR CODE. IN THE EVENT THAT THE VALVE IS LOCATED BEHIND THE CURB OR PAVEMENT, INVERT THE "V" MARKING SO THAT IT POINTS TO THE VALVE OUTSIDE THE ROADWAY.
15. FIRE HYDRANTS ARE TO BE LOCATED A MINIMUM OF ONE FOOT INSIDE EXISTING RIGHT-OF-WAY WITH A 3 FOOT RADIUS CLEARANCE.
16. EXISTING FIRE HYDRANTS AND METERS THAT ARE REMOVED SHALL BE TURNED OVER TO AUD.
17. PER AUD'S WATER & SANITARY SEWER SYSTEMS-DESIGN STANDARDS, CONSTRUCTION SPECIFICATIONS AND DETAILS:
   A. FOR BACKFLOW INSTALLATIONS FOR NON-RESIDENTIAL DEVELOPMENT, A MINIMUM "DOUBLE-CHECK" BACKFLOW-PREVENTION DEVICE SHALL BE INSTALLED ON THE CUSTOMER'S SIDE OF ALL SERVICES.
   B. FIRE LINES REQUIRE A MINIMUM "DOUBLE DETECTOR" BACKFLOW DEVICE.
   C. FOR BACKFLOW INSTALLATIONS FOR RESIDENTIAL DEVELOPMENTS, A "DUAL CHECK" BACKFLOW DEVICE SHALL BE INSTALLED ON THE CUSTOMER'S SIDE OF THE SERVICE LINE AT THE POINT OF TIE-IN TO THE WATER METER.
   D. FOR SOME MEDIUM HAZARD TO HIGH HAZARD LOCATIONS, A REDUCED PRESSURE ZONE (RPZ) BACKFLOW DEVICE WILL BE REQUIRED.
18. BACKFLOW DEVICES SHALL BE TESTED BY A CERTIFIED PERSON WITHIN FIVE (5) WORKING DAYS OF INSTALLATION AND THE RESULTS FURNISHED TO THE AUD BACK FLOW INSPECTOR WITHIN 10 WORKING DAYS OF INSTALLATION PRIOR TO ANY WATER USE. AUD SHALL BE NOTIFIED PRIOR TO TESTING CONTACT THE AUGUSTA UTILITIES BACK FLOW INSPECTOR AT 706-722-1306.
19. AN AUD INSPECTOR SHALL BE PRESENT OR SECTION LEFT UNCOVERED UNTIL INSPECTED BY THE INSPECTOR WHEN A CORE, TAP, TIE-IN OCCURS, MANHOLE INSTALLED, AND ALL REQUIRED TESTING. CONTRACTOR IS TO PROVIDE AT LEAST 48 HOUR NOTICE (TWO WORKING DAYS) IN ADVANCE DURING REGULAR WORKING HOURS (8:30 AM TO 5:00 PM, MONDAY-FRIDAY, EXCLUDING AUGUSTA, GEORGIA HOLIDAYS).
20. THE CONTRACTOR IS TO VERIFY THE INVERT ELEVATIONS (I.E.) OF EXISTING PIPES PRIOR TO BEGINNING CONSTRUCTION.
21. SEWER FORCE MAIN SHALL BE PVC DR-18 C-900 OR C-905 AS APPLICABLE OR DIP CLASS 350, EPOXY LINED.
22. ALL NEW SEWER LINES SHALL BE INSTALLED PER PIPELINE MANUFACTURER REQUIREMENTS.
23. COPPER WIRE (12-GAUGE, INSULATED, SINGLE STRAND) SHALL BE ATTACHED ALONG TOP OF ALL BURIED SEWER LINES TO FACILITATE TRACEABILITY. THE WIRE SHALL RUN ALONG THE TOP OF THE MAIN AND ALONG INDIVIDUAL SERVICE LINES AND BROUGHT UP ON THE OUTSIDE OF ALL MANHOLES, CLEANOUTS, OR OTHER ABOVE GROUND FEATURES STUBBING OUT AT THE TOP FOR LOCATING PURPOSES. THIS WIRE SHALL BE PROPERLY SPLICED WITH A WATER PROOF CONNECTOR FOR ELECTRICAL CONNECTIVITY, AND THEN INSULATED TO PROTECT AGAINST CORROSION. (REFERENCE AUD DETAILS WHEN APPLICABLE).
24. DETECTOR TAPE SHALL BE 4 INCHES WIDE AND PLACED 2 FEET ABOVE PIPE ADD SIMILAR DEVICE TO CONDUIT PER AUD DETAIL 4.3.
25. ALL TIE-INS TO EXISTING MANHOLES SHALL BE CORED UNLESS OTHERWISE APPROVED BY AUD INSPECTOR.
26. ALL MANHOLES REQUIRE "K OR N SEAL" OR EQUAL, RUBBER BOOTS, UNLESS OTHERWISE APPROVED BY AUD INSPECTOR.
27. NO CONNECTION SHALL BE MADE TO EXISTING WASTEWATER LINES UNTIL THE PROPOSED LINE IS INSPECTED AND APPROVED BY AUD'S ENGINEERING DIVISION.
28. ALL WASTEWATER MANHOLES SHALL HAVE AN ELEVATION DROP OF 0.2 FOOT ACROSS THE INLET AND OUTLET INVERTS.
29. WASTEWATER CLEAN-OUTS SHALL BE INSTALLED AT ALL INDIVIDUAL SERVICES AS SHOWN IN AUD-DETAILS, AND SHALL NOT BE INSTALLED UNDER DRIVEWAYS OR ANY PAVED AREAS WITHOUT PRIOR APPROVAL FROM AUD.
30. SERVICE LINES TO SANITARY SEWER MAIN SHALL BE BEDDED PER THESE AUD SPECIFICATIONS AND AUD DETAILS.
31. MAXIMUM SANITARY SEWER INFILTRATION SHALL NOT EXCEED 100 GPD/INCH OF PIPE DIAMETER PER MILE.
32. THE CONTRACTOR SHALL LOCATE SANITARY SEWER SERVICES BY ETCHING AN "S" IN THE CURB OR IN THE PAVEMENT IF NO CURB IS AVAILABLE, AND HIGHLIGHT THE ETCHING WITH GREEN PAINT PER THE APWA UNIFORM COLOR CODE.
33. FINISHED FLOOR ELEVATIONS OF ALL PROPOSED BUILDINGS SHALL BE A MINIMUM OF FIVE (5) FEET ABOVE THE INVERT ELEVATION OF THE WASTEWATER MAIN OR MANHOLE AT THE POINT OF TIE-IN. IN INSTANCES WHERE THIS IS NOT POSSIBLE, A BACKWATER VALVE SHALL BE INSTALLED IN THE SEWER SERVICE.

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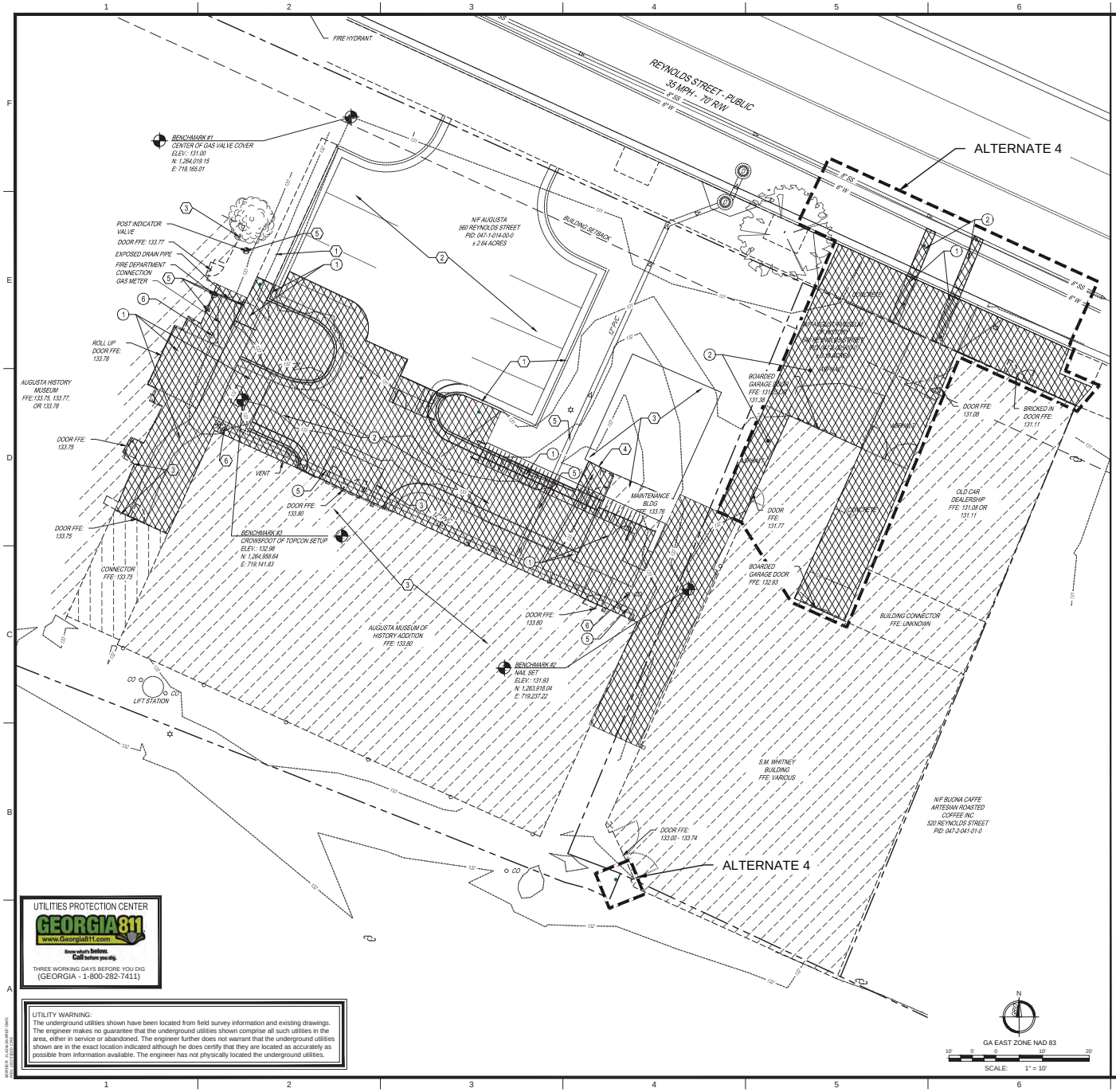
CLIENT: AUGUSTA MUSEUM OF HISTORY
PROJECT NAME: AUGUSTA MUSEUM OF HISTORY WHITNEY BUILDING ADDITION
PROJECT LOCATION: 560 REYNOLDS ST, AUGUSTA, GA
560 REYNOLDS ST, AUGUSTA, GA

GEORGIA — Rett Harbeson — 08/03/22 — PROFESSIONAL ENGINEER — PLA PLA 001234 — EXPIRATION DATE: JUNE 30, 2024 — CERTIFICATE OF AUTHORIZATION

REV.	DATE	BY	DESCRIPTION
0	08/02/22	WTB	ISSUED FOR CONSTRUCTION

PROJECT NO.: 3042.2103
DRAWN BY: AWR
CHECKED BY: RDH
DATE: 08/03/2022
SHEET TITLE: CIVIL COVER SHEET
SCALE: AS SHOWN
DRAWING NO.: CG001
REV.: 0



DEMOLITION LEGEND:

- XXXXXXX (#) TO BE REMOVED
- (#) PROTECT & MAINTAIN
- //////// [#] TO BE ABANDONED
- (#) TO BE SALVAGED
- (#) TO BE RELOCATED

1. CONCRETE PAVEMENT (PAVEMENT; PAD; CURB; SIDEWALK, SAWCUT OR REMOVE FROM NEAREST JOINT)
2. ASPHALT PAVEMENT/SIDEWALK (REMOVAL OR REPLACEMENT, SEE LAYOUT PLAN)
3. STRUCTURES (BUILDING; CANOPY; WALL)
4. FENCE/GATE
5. UTILITY STRUCTURE/PIPE
6. MISCELLANEOUS (BOLLARD, CLEANOUT)

DEMOLITION NOTES:

1. ALL ITEMS TO BE DEMOLISHED ARE DOUBLE HATCHED; ITEMS TO BE ABANDONED (IF ANY) ARE SINGLE HATCHED; AND BOTH SHOWN DOTTED.
2. ALL UNDERGROUND LOCATIONS ARE APPROXIMATE AND SUPPLIED BY VARIOUS UTILITY COMPANIES. NOTIFY THE ENGINEER IMMEDIATELY IN WRITING OF ANY CONFLICTS OR DISCREPANCIES.
3. CONTRACTOR TO VERIFY ALL EXISTING FIELD CONDITIONS PRIOR TO DEMOLITION & CONSTRUCTION WORK.
4. ALL DEMOLISHED ITEMS TO BE REMOVED FROM SITE & DISPOSED OF IN LEGAL MANNER OR UPON OWNER'S DISCRETION .

SURVEY NOTES:

1. ACCORDING TO FIRM PANEL 13245C0130H EFFECTIVE NOVEMBER 15, 2019 THE PROPERTY IS NOT LOCATED IN THE 100- YEAR SPECIAL FLOOD HAZARD AREA (SFHA) SUBJECT TO A 1% ANNUAL CHANCE FLOOD.
2. THIS PROPERTY MAY BE SUBJECT TO EASEMENTS, SETBACKS, OR REGULATIONS NOT SHOWN HERON BUT MAY BE ON RECORD IN THE CLERK OF COURTS OFFICE.
3. TOPOGRAPHIC SURVEY CONDUCTED BY JOHNSON LASCHOBER AND ASSOCIATES ON SEPTEMBER 2, 2021 USING A SPECTRA SP80 GNSS ROVER AND A TOPCON ES-105 TOTAL STATION.
4. UNDERGROUND UTILITY LOCATE WAS NOT CONDUCTED AT THE TIME OF THE SURVEY. ALL UTILITIES SHOULD BE PHYSICALLY FIELD VERIFIED BEFORE ANY CONSTRUCTION OR EXCAVATION BEGINS. UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF THE SURVEY. THE SURVEYOR MAKES NO GUARANTEES THAT ANY UNDERGROUND UTILITIES SHOWN ARE EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT GUARANTEE THAT ANY UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. ALL UTILITIES SHOULD BE PHYSICALLY FIELD VERIFIED BEFORE ANY CONSTRUCTION OR EXCAVATION BEGINS

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UTILITY WARNING:
The underground utilities shown have been located from field survey information and existing drawings. The engineer makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The engineer further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The engineer has not physically located the underground utilities.

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CLIENT: AUGUSTA MUSEUM OF HISTORY
560 REYNOLDS ST, AUGUSTA, GA

PROJECT NAME:
AUGUSTA MUSEUM OF HISTORY WHITNEY BUILDING ADDITION

PROJECT LOCATION: 560 REYNOLDS ST, AUGUSTA, GA

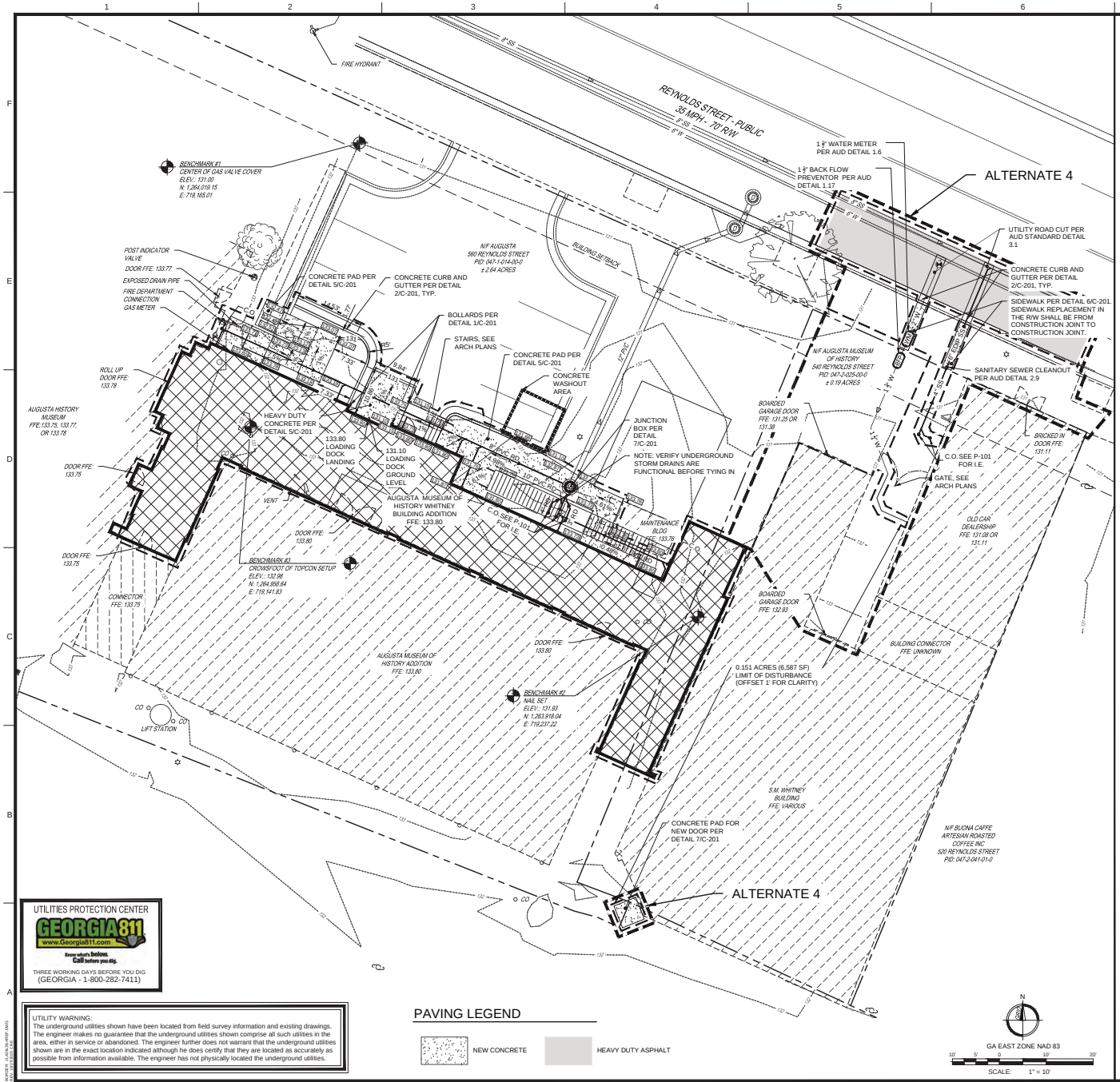
REV	DATE	BY	DESCRIPTION
0	09/02/22	WTB	ISSUED FOR CONSTRUCTION

PROJECT NO.	3042.2103
DRAWN BY :	AWR
CHECKED BY :	RDH
DATE:	08/03/2022

SHEET TITLE :
EXISTING CONDITIONS AND DEMOLITION PLAN

SCALE: 1" = 10'

DRAWING NO. **CD001** REV. 0



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PAVING LEGEND

NEW CONCRETE

HEAVY DUTY ASPHALT

LAYOUT AND STAKING NOTES

SITE SPECIFIC:

1. ALL EXISTING ASPHALT TO BE SEALED WITH MASTER SEAL OF APPROVED EQUAL AND INSTALLED PER MANUFACTURING SPECIFICATIONS.
2. ALL EXISTING CRACKS TO BE FILLED WITH HOT POUR CRACK SEALANT (CRACK MASTER544 OR APPROVED EQUAL) AND INSTALLED PER MANUFACTURERS SPECIFICATIONS PRIOR TO SEAL COATING.
3. CONTRACTOR TO PROVIDE A STRIPING & SIGNAGE PLAN TO THE ENGINEER IN ACCORDANCE WITH MUTCD AND LOCAL REGULATIONS. CONTRACTOR TO RECEIVE APPROVAL IN WRITING PRIOR TO INSTALLATION OF SIGNAGE.
4. BUILDING COORDINATES ARE APPROXIMATE. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL BUILDING INFORMATION, DIMENSIONS AND SIDEWALK LOCATIONS.
5. BUILDING AND PARKING LOT ACCESS SHALL BE CONSTRUCTED IN COMPLIANCE WITH ALL 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN, OR MOST CURRENT EDITION.
6. ALL DIMENSIONS AND/OR COORDINATES ARE FROM FACE OF CURB, EDGE OF CONCRETE/PAVEMENT AND/OR FACE OF BUILDING.
7. COORDINATE ALL CONCRETE JOINTS, SCORING PATTERNS, TEXTURE & COLOR WITH ARCHITECT.
8. ALL PAVEMENT MARKINGS AND SIGNAGE TO BE IN ACCORDANCE WITH AUGUSTA-RICHMOND COUNTY, GDOT, AASHTO, AND MUTCD.
9. THE CONTRACTOR SHALL NOTIFY AND RECEIVE APPROVAL FOR THE METHOD, SPACING REQUIREMENTS, AND SCHEDULING OF CONSTRUCTION FROM THE OWNER PRIOR TO COMMENCEMENT OF CONSTRUCTION.
10. THE CONTRACTOR SHALL MAINTAIN EXISTING TRAFFIC AT ALL TIMES DURING CONSTRUCTION.
11. THE CONTRACTOR SHALL REPAIR OR REPLACE AT NO COST TO THE OWNER ANY DAMAGE INCURRED TO ABOVE OR BELOW GROUND UTILITY SERVICES OR ANY EXISTING STRUCTURES.
12. EXCESS EARTH MAYBE STOCKPILED ONSITE AS DIRECTED BY THE OWNER. STOCKPILE SHOULD NOT OBSTRUCT NATURAL DRAINAGE OR CAUSE OFFSITE ENVIRONMENTAL DAMAGE.
13. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LOCATIONS, CONDITIONS AND COMPLETENESS OF ALL EXISTING CONSTRUCTION SHOWN BEFORE COMMENCEMENT OF CONSTRUCTION.
10. PROVIDE TWO (2) SCHED. 40 PVC (TYP.) AT ROAD CROSSING, SIDEWALKS, AND CURB ISLANDS AS SHOWN ON LAYOUT AND STAKING PLAN SHEET C-101. SEE DET. B1/C-302. COPPER WIRE (12 GAGE, BARE SINGLE STRAND) SHALL BE ATTACHED ALONG TOP OF ALL BURIED CONDUIT LINES AND WRAPPED AROUND END SECTIONS FOR LOCATING PURPOSES.
11. LIGHTING LOCATION AND INSTALLATION TO BE DESIGNED AND CONDUCTED BY GEORGIA POWER.

EARTHWORK:

1. PROOFROLLING - TO DETECT ANY SOFT ZONES IN THE PROJECT AREA, THE ENTIRE AREA SHALL BE PROOFROLLED WITH A LOADED TANDEM AXLE TRUCK MAKING OVERLAPPING TRANSVERSE PASSES IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. AREAS THAT ARE OBSERVED TO DEFLECT OR RUT, WILL BE REMEDIATED PER OWNER'S REPRESENTATIVE. PROOFROLLING WILL BE REQUIRED FOR SUBGRADE AND BASE COURSES.
2. PAVEMENT SUBGRADE - COMPACT TOP 12" OF EXISITNG SOIL OR COMPACTED STRUCTURAL FILL TO 100% STANDARD PROCTOR (ASTM D 698) FOR ALL SUBGRADE UNDER PAVEMENT, SIDEWALK AND ALL OTHER STRUCTURES.
3. COMPACTION TESTS FOR SUBGRADE, STRUCTURAL FILL AND FOR AGGREGATE BASE COURSES SHALL CONFORM TO ASTM D 698 (STANDARD PROCTOR).
4. AGGREGATE BASE MATERIAL (GAB) SHALL BE IN ACCORDANCE WITH THE GA 5. D.O.T. SPECIFICATION 815 AND 310 AND COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR.

CONCRETE:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
   - A. ACI 318-89.
   - B. POLYPORPYLENE FIBERS SHALL BE PER ASTM C1116.
   - C. CONCRETE TABLE PROVIDED ON THIS SHEET.

CONCRETE TABLE:

LOCATION	MIN. 28-DAY STRENGTH	MIN. CEMENT CONTENT	SLUMP	ENTRAINED AIR CONTENT	MAX. AGGR. SIZE
SIDEWALK & CURBS	3,000 PSI	5.5 BAG/YD^3	4"±1"	4% - 6%	1"
CONC. PAD LOADING DOCK	4,000 PSI	6.3 BAG/YD^3	2.5"± 0.5"	4% - 6%	1-1/2"

WATER & SEWER DEMANDS

POTABLE WATER:

FIXTURE	FIXTURE UNIT LOAD VALUE	# OF FIXTURES	TOTAL F.U.
SINK	2	1	2
TANK TOILET	5	1	5
SHOWER	4	1	4
LAUNDRY TUB	3	1	3
LAVATORY	2	1	2
		TOTAL FIXTURE UNITS	16
16 FIXTURE UNITS = 18 GPM			
18 GPM + 10 GPM (2 WALL HYDRANTS @ 5 GPM EA.) = 28 GPM			

SANITARY SEWER:

FIXTURE	DRAINAGE FIXTURE UNIT VALUE	# OF FIXTURES	TOTAL D.F.U.
SINK	2	1	2
TANK TOILET	4	1	4
SHOWER	3	1	3
LAUNDRY TUB	2	1	2
LAVATORY	1	1	1
FLOOR DRAIN (SAFETY SHOWER)	6	1	6
FLOOR DRAIN (MEZZANINE)	3	1	3
EMERGENCY FLOOR DRAIN (ELECTRIC WATER HEATER)	0	1	0
		TOTAL DRAINAGE FIXTURE UNITS	21
PER TABLE 710.1 OF IPC: 250 MAX. D.F.U. FOR 4" PIPE SLOPED ¼" PER FOOT / 21 DFU < 250 DFU O.K.			
Q(CAPACITY) FOR A 4" PIPE SLOPED ¼" PER FOOT FLOWING HALF FULL = 94 GPM			
Q(ESTIMATED DEMAND) BASED ON 21 DFU IS 11 GPM			

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CLIENT: AUGUSTA MUSEUM OF HISTORY
560 REYNOLDS ST, AUGUSTA, GA

PROJECT NAME: AUGUSTA MUSEUM OF HISTORY WHITNEY BUILDING ADDITION

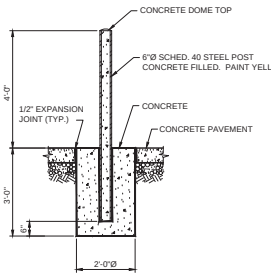
PROJECT LOCATION: 560 REYNOLDS ST, AUGUSTA, GA

GEORGIA — Neil Workman — No. PE PROFESSIONAL ENGINEER — 08/03/22 — WILLIAM TARRANT BOCHMAN

GEORGIA — JOHNSON, LASCHOBER & ASSOC., PC — No. PEF000XX — EXPIRATION DATE: JUNE 30, 2024 — CERTIFICATE OF AUTHORIZATION

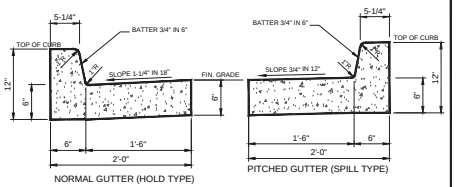
REV.	DATE	BY	DESCRIPTION
0	08/03/22	WTB	ISSUED FOR CONSTRUCTION

PROJECT NO. 3042.2103
DRAWN BY : AWR
CHECKED BY : RDH
DATE: 08/03/2022
SHEET TITLE : LAYOUT, GRADING AND UTILITY PLAN
SCALE: 1" = 10'
DRAWING NO. C-101
REV. 0



PIPE BOLLARD DETAIL
NO SCALE

1 C-201



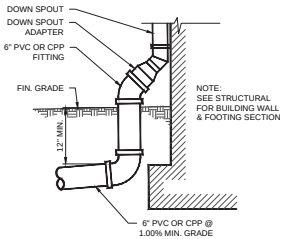
NORMAL GUTTER (HOLD TYPE)

PITCHED GUTTER (SPILL TYPE)

NOTES:
1. CURB AND GUTTER TO BE CONSTRUCTED IN 10 FOOT LENGTHS, CONCRETE SHALL BE 3,000 PSI.
2. 1/2" INCH EXPANSION JOINTS SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 50 FT, AT THE ENDS AND MID-POINT OF RETURNS, AND AT ANY POINT WHERE THE NEW CURB AND GUTTER ABUTS OTHER CONCRETE STRUCTURES.
3. 5 FOOT LONG TRANSITIONS SHALL BE PROVIDED BETWEEN NORMAL GUTTER AND PITCHED GUTTER, UNLESS OTHERWISE NOTED.

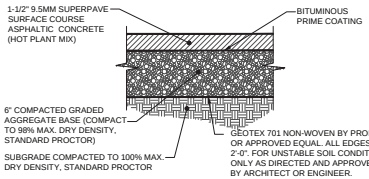
CONCRETE CURB & GUTTER
NO SCALE

2 C-201



DOWNSPOUT BOOT DETAIL
NO SCALE

3 C-201

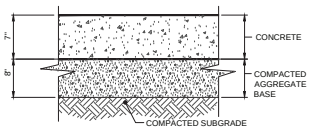


NOTE: TOP 6" OF SUBGRADE TO BE MIXED IN PLACE AND COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY. BASE MATERIAL TO BE COMPACTED TO 98% MAXIMUM DRY DENSITY. THE CONTRACTOR WILL PROVIDE COMPACTION TEST RESULTS ON THE SUBGRADE AND COMPACTION AND SOIL ANALYSIS TEST RESULTS FROM AN APPROVED TESTING LABORATORY.

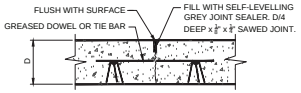
(ALL MATERIALS AND CONSTRUCTION PER GDOT STANDARDS & SPECIFICATIONS)

TYPICAL SECTION THRU ASPHALT PAVEMENT & BASE
NO SCALE

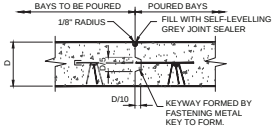
4 C-201



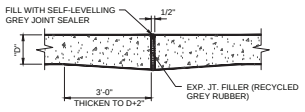
HEAVY DUTY CONCRETE PAVING



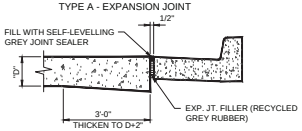
TYPE C - SAWED CONTROL JOINT



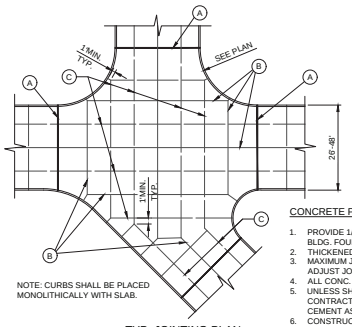
TYPE B - LONGITUDINAL CONSTRUCTION JOINT



TYPE A - EXPANSION JOINT



TYPE A - EXPANSION JOINT @ CURB & HEADER



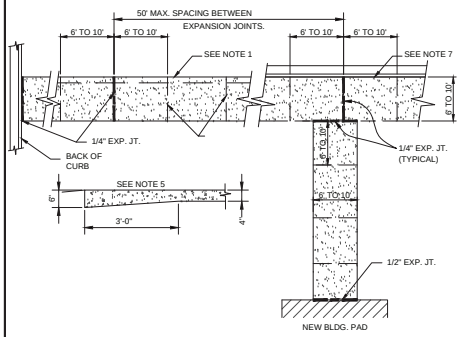
TYP. JOINTING PLAN

CONCRETE PAVING NOTES:

1. PROVIDE 1/2" EXP. JOINT FILLER TO BE GREY RECYCLED RUBBER PER ASTM D175 & ASTM D1752 AT ALL BLDG. FOUNDATIONS, DRAINAGE STRUCTURES, AREA TRANSITIONS. AND WHERE NOTED IN DRAWINGS.
2. THICKENED SLAB EDGE 2" IN 36" AT EDGE OF PAVING.
3. MAXIMUM JOINT SPACING(FEET) SHALL BE 2-1/2 x PAVEMENT THICKNESS (INCHES) CONTRACTOR SHALL ADJUST JOINT LOCATIONS TO LINE UP WITH CORNERS OF STRUCTURES.
4. ALL CONC. SHALL BE 4,000 PSI.
5. UNLESS SHOWN ON THE PROJECT DRAWING A JOINTING PLAN SHALL BE PREPARED BY THE CONTRACTOR IN ACCORDANCE WITH CONSTRUCTION PRACTICES SET FORTH BY THE PORTLAND CEMENT ASSOCIATION AND APPROVED BY THE ENGINEER BEFORE PAVING BEGINS.
6. CONSTRUCTION PRACTICES SHALL ADDRESS CONTROL JOINTS OR CONTRACTION JOINTS AND ISOLATION (EXPANSION) JOINTS CONSTRUCTION AND LAYOUT.
7. ALL DOWELS ARE ¾"Ø SMOOTH x 18" LONG @ 12" O.C.TIE BARS ARE #4's x 18" LONG @ 24" O.C.
8. CONCRETE PAVEMENT SHALL HAVE POLYPROPYLENE FIBER REINFORCING AT A RATE OF 1.5#/CY.

CONCRETE PAVEMENT DETAILS
NO SCALE

5 C-201

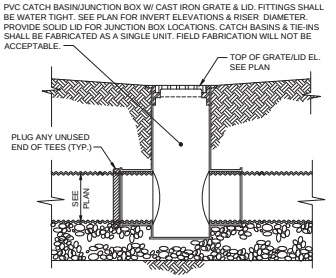


NOTES:

1. ALL STANDARD SIDEWALKS SHALL BE 4" THICK.
2. CONTRACTION JOINTS SHALL BE PLACED AT 4' INTERVALS FOR 4' SIDEWALKS AND 5' INTERVALS FOR 5' SIDEWALKS.
3. CONTRACTION JOINTS SHALL BE 1" DEEP AND EDGED WITH 1/8" RADIUS.
4. CONSTRUCT 1/4" EXP. JOINT MAXIMUM 50 FT. SPACING BETWEEN JOINTS.
5. WHEN THE SIDEWALK ABUTS A ROADWAY OR WHERE THERE IS NO CURB, THICKEN THE SIDEWALK TO 6" IN 3'-0".
6. INSTALL 1/2" EXP. MATERIAL WHERE CONC. SIDEWALKS ABUT CONCRETE STRUCTURES.
7. A LAYER OF 15# FELT IS REQUIRED BETWEEN WALK AND ADJACENT PARALLELING CONCRETE CURB.
8. CONSTRUCT WHEELCHAIR RAMP AND DETECTABLE WARNING PER GEORGIA D.O.T. STANDARD A3 (SEE SITE PLAN FOR TYPE).
9. ALL CONCRETE SHALL BE 3,000 PSI.
10. SIDEWALK CROSS SLOPE NOT TO EXCEED 2.0%.
11. PROVIDE 1/2" EXP. JOINT FILLER BY REFLEX RUBBER (COLOR CONCRETE GRAY) PER ASTM D1751 & ASTM D1752 AT ALL BLDG. FOUNDATIONS, DRAINAGE STRUCTURES, AREA TRANSITIONS AND WHERE NOTED ON DRAWINGS.

STANDARD JOINT LAYOUT FOR CONCRETE SIDEWALK
NO SCALE

6 C-201



PVC JUNCTION BOX/GRATE DETAIL
NO SCALE

7 C-201

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CLIENT: AUGUSTA MUSEUM OF HISTORY
560 REYNOLDS ST, AUGUSTA, GA

PROJECT NAME: AUGUSTA MUSEUM OF HISTORY
WHITNEY BUILDING ADDITION

PROJECT LOCATION: 560 REYNOLDS ST, AUGUSTA, GA

REV.	DATE	DESCRIPTION
0	08/03/22	ISSUED FOR CONSTRUCTION

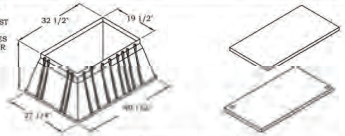
PROJECT NO.	3042.2103
DRAWN BY :	AWR
CHECKED BY :	RDH
DATE:	08/03/2022

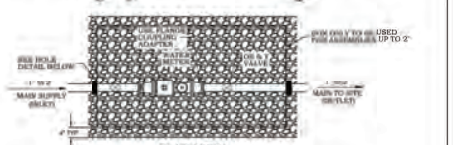
SHEET TITLE :
MISCELLANEOUS DETAILS SHEET 1 OF 2

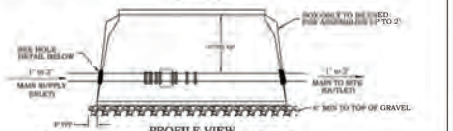
SCALE: AS SHOWN

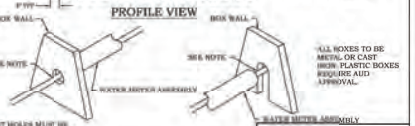
DRAWING NO. C-201 REV. 0

IF A PLASTIC BOX HAS BEEN APPROVED, IT MUST BE CARSON INDUSTRIAL SERIES 1730D WITH COVER OR APPROVED EQUAL.









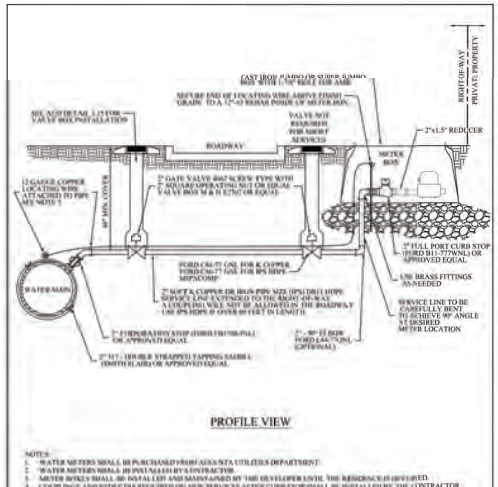
ALL BOXES TO BE METAL OR CAST IRON. PLASTIC BOXES REQUIRE AUD APPROVAL.

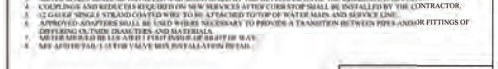
NOTE: PIPE CUTOUT HOLES MUST BE LARGER THAN WATER LINE AND SEALED WITH EXPANSION FOAM OR SILICONE CAULK PRIOR AND AFTER PIPE TO PREVENT DIRT AND WATER FROM ENTERING.

HOLE DETAIL VIEW

APPROVED JAN. 2022
REVISED: NOV. 2021

WATER METER BELOW GROUND ENCLOSURE	AUGUSTA UTILITIES DEPARTMENT 452 WALKER STREET, SUITE 200 AUGUSTA, GA 30901	Water Is Life AUGUSTA UTILITIES
AUD DETAIL 1.6		



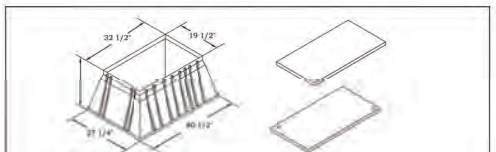


NOTES:
1. WATER METERS SHALL BE PURCHASED FROM AUGUSTA UTILITIES DEPARTMENT.
2. WATER METERS SHALL BE INSTALLED BY AUGUSTA UTILITIES DEPARTMENT.
3. METER BOXES SHALL BE INSTALLED AND MAINTAINED BY THE DEVELOPER UNTIL THE RESIDENCE IS OCCUPIED.
4. COUPLINGS AND REDUCERS REQUIRED ON NEW SERVICES AFTER CURB STOP SHALL BE INSTALLED BY THE CONTRACTOR.
5. 12 GAUGE SINGLE STRAND COATED WIRE TO BE ATTACHED TO TOP OF WATER MAIN AND SERVICE LINE.
6. APPROVED ADAPTERS SHALL BE USED WHERE NECESSARY TO PROVIDE A TRANSITION BETWEEN PIPES AND/OR FITTINGS OF DIFFERING OUTSIDE DIAMETERS AND MATERIALS.
7. METER SHOULD BE LESS AND 1 FOOT INSIDE OF RIGHT OF WAY.
8. SEE ADDITIONAL 1.5 FOR VALVE BOX INSTALLATION DETAIL.

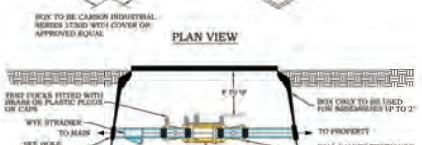
NO REVISION OR MODIFICATION OF THIS DETAIL SHALL BE MADE WITHOUT THE WRITTEN APPROVAL FROM AUGUSTA UTILITIES DEPARTMENT.

APPROVED JAN. 2022
REVISED: NOV. 2021

1.5" WATER SERVICE	AUGUSTA UTILITIES DEPARTMENT 452 WALKER STREET, SUITE 200 AUGUSTA, GA 30901	Water Is Life AUGUSTA UTILITIES
AUD DETAIL 1.8		



BOX TO BE CARSON INDUSTRIAL SERIES 1730D WITH COVER OR APPROVED EQUAL



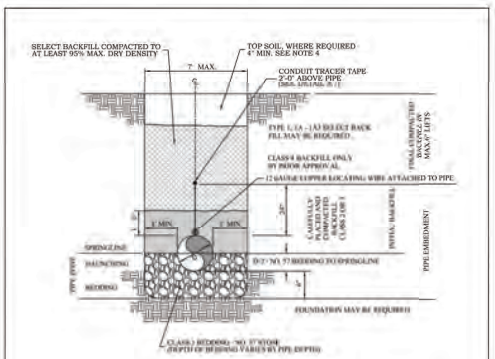
NOTE: PIPE CUTOUT HOLES MUST BE LARGER THAN WATER LINE AND SEALED WITH EXPANSION FOAM OR SILICONE CAULK PRIOR AND AFTER PIPE TO PREVENT DIRT AND WATER FROM ENTERING.

HOLE DETAIL VIEW

NO REVISION OR MODIFICATION OF THIS DETAIL SHALL BE MADE WITHOUT THEIR WRITTEN APPROVAL FROM AUGUSTA UTILITIES DEPARTMENT.

APPROVED JAN. 2022
REVISED: NOV. 2021

DOUBLE CHECK VALVE ASSEMBLY BELOW GROUND (2" AND SMALLER)	AUGUSTA UTILITIES DEPARTMENT 452 WALKER STREET, SUITE 200 AUGUSTA, GA 30901	Water Is Life AUGUSTA UTILITIES
AUD DETAIL 1.17		

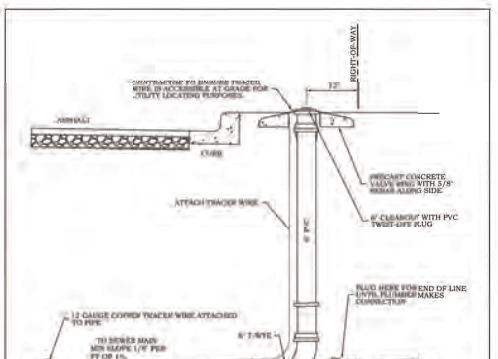


NOTES:
1. TRENCH EXCAVATION, BACKFILL AND COMPACTION SHALL BE IN STRICT CONFORMANCE WITH THE SECTION TITLED "BACKFILLING MEANS PIPE" FOR WASTEWATER COLLECTION SYSTEMS ACCORDING TO AUGUSTA UTILITIES DEPARTMENT STANDARDS AND SPECIFICATIONS.
2. BOTTOM OF TRENCH SHALL BE FREE OF WATER PRIOR TO PLACING BEDDING.
3. COMPACT SELECT BACKFILL IN LIFTS NOT TO EXCEED 6 INCHES.
4. PROVIDE 4 INCHES OF TOP SOIL WHERE BEDDING IS REQUIRED. SEE NOTE 5 AT GRAVEL AND PAVED AREAS.
5. GRAVEL AND PAVED DRIVEWAYS TO BE RESTORED IN KIND.
6. CONTRACTOR IS SOLELY RESPONSIBLE FOR TRENCH SAFETY INCLUDING SHORING AND BRACING WHERE REQUIRED.
7. TRENCH BOTTOM SHALL NOT BE LESS THAN 12 INCHES OR MORE THAN 18 INCHES WIDER THAN THE OUTSIDE DIAMETER OF THE PIPE ON WITH SERIES.
8. 12 GAUGE COPPER LOCATING WIRE SHALL BE 12 GAUGE SINGLE STRAND COATED WIRE SHALL BE ATTACHED ON TOP OF SANITARY SEWER PIPE AND RAN VERTICALLY ALONG MANHOLES. ATTACH LOCATING WIRE ABOVE FINISH GRADE OF ALL MANHOLES USING CUP AND SCREW WITH WIRE CONTINUOUS FROM MANHOLE TO MANHOLE.

NO REVISION OR MODIFICATION OF THIS DETAIL SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL FROM AUGUSTA UTILITIES DEPARTMENT.

APPROVED JAN. 2022
REVISED: NOV. 2021

TYPICAL TRENCH - SANITARY SEWER	AUGUSTA UTILITIES DEPARTMENT 452 WALKER STREET, SUITE 200 AUGUSTA, GA 30901	Water Is Life AUGUSTA UTILITIES
AUD DETAIL 2.1		



NOTE:
1. STREET RATED SEWER CLEANOUT CAP REQUIRED WHEN LOCATED IN PAVEMENT.
2. THERE WILL BE NO BENDS BETWEEN THE SEWER CLEANOUT AND THE SEWER TAP.
3. SEE DETAIL 2.2

NO REVISION OR MODIFICATION OF THIS DETAIL SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL FROM AUGUSTA UTILITIES DEPARTMENT.

APPROVED JAN. 2022
REVISED: NOV. 2021

SANITARY SEWER CLEANOUT	AUGUSTA UTILITIES DEPARTMENT 452 WALKER STREET, SUITE 200 AUGUSTA, GA 30901	Water Is Life AUGUSTA UTILITIES
AUD DETAIL 2.9		

ASPHALT INLAY - ALL UTILITY ROAD CUTS WILL REQUIRE AN ASPHALT INLAY. THE MINIMUM WIDTH SHALL BE ONE (1) LANE WIDTH AND THE MINIMUM LENGTH SHALL BE FIFTY (50) FEET WHICH IS A MINIMUM, TWENTY FIVE (25) FEET ON EACH SIDE OF THE CENTER OF THE UTILITY CUT. THE MINIMUM DEPTH OF THE ASPHALT INLAY SHALL BE ONE (1) 1/2 INCH AFTER COMPACTION. A TACK COAT SHALL BE APPLIED TO ALL MILLED SURFACES OR SURFACES IN CONTACT WITH THE INLAY MATERIAL.

CONCRETE CAP - AN EIGHT (8) INCH THICK PORTLAND CEMENT CONCRETE CLASS 'A' OR BETTER CONCRETE CAP, SHALL BE PLACED TWELVE (12) INCHES WIDER EACH SIDE THAN THE EXCAVATED TRENCH/DITCH. ALL EDGES SHALL BE SQUARED. ALL CONCRETE SHALL BE PROTECTED FOR TWENTY FOUR (24) HOURS AFTER PLACEMENT AND NO ASPHALT SHALL BE PLACED DURING THIS PERIOD. IF HIGH EARLY STRENGTH CONCRETE IS USED ASPHALT PATCHING WITHIN THE TWENTY FOUR (24) HOUR PERIOD WILL BE CONSIDERED BASED ON EARLY BREAK CYLINDERS OBTAINING A COMPRESSED STRENGTH OF 3000 PSI. ALL COSTS ASSOCIATED WITH VERIFYING COMPRESSIVE STRENGTH SHALL BE BORNE BY THE APPLICANT.

BACKFILL - ALL BACKFILL SHALL BE COMPACTED IN LIFTS NO MORE THAN EIGHT (8) INCHES LOOSE MEASURE, SPREAD AND COMPACTED UNIFORMLY. IF ALL CASES THE BACKFILL SHALL BE COMPACTED TO 95% OF THE MAXIMUM LABORATORY DRY DENSITY TO WITHIN TWELVE (12) INCHES OF THE TOP OF SUBGRADE. THE TOP TWELVE (12) INCHES OF THE BACKFILL SHALL BE COMPACTED TO AT LEAST 100% OF THE MAXIMUM LABORATORY DRY DENSITY. THE TOP OF THE SUBGRADE IS THAT ELEVATION LOCATED IMMEDIATELY BENEATH ALL BASE AND PAVING MATERIALS. THE MAXIMUM LABORATORY DRY DENSITY SHALL BE DETERMINED FROM THE MODIFIED PROCTOR TEST, A RECIPROCATING/MECHANICAL COMPACTOR SHALL BE ON SITE PRIOR TO BEGINNING ANY EXCAVATION, IN NO CASE WILL BACKFILLING WITH JAWS, USING JETTING AND/OR FLOODING TO ACHIEVE COMPACTION BE ALLOWED.

NOTES:
1. A MINIMUM TWENTY-FOUR (24) HOUR ADVANCE NOTICE DURING REGULAR WORKING HOURS (8:30 A.M. TO 5:00 P.M.), MONDAY THRU FRIDAY SHALL BE GIVEN TO AUD & AED INSPECTORS PRIOR TO BEGINNING ANY BACKFILL OPERATION OR ANY CONCRETE OR ASPHALT PAVEMENT.
2. THE APPLICANT MUST OBTAIN PERMISSION FROM AUGUSTA-RICHMOND COUNTY ENGINEERING DEPT. BEFORE PLACING CONCRETE OR ASPHALT.
3. THIS DETAIL SUPERCEDES THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD 1901 - 'PAVEMENT PATCHING DETAIL'.
4. IN WET AREAS, TYPE II FOUNDATION BACKFILL MATERIAL (#57 STONE) WILL BE REQUIRED AS DIRECTED BY AUGUSTA-RICHMOND COUNTY ENGINEERING DEPT.
5. ALL WORK SHALL BE IN ACCORDANCE WITH THE "AUGUSTA-RICHMOND COUNTY RIGHTS-OF-WAY ENCROACHMENT FOR UTILITIES ORDINANCE".
6. THIS DETAIL IS FOR PERPENDICULAR CROSSING OF MAINS AND EXISTING MAIN CONNECTION TIE INS.

NO REVISION OR MODIFICATION OF THIS DETAIL SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL FROM AUGUSTA UTILITIES DEPARTMENT AND THE AUGUSTA ENGINEERING DEPARTMENT.

APPROVED JAN. 2022
REVISED: APRIL 2022

AED UTILITY ROAD CUT DETAIL	AUGUSTA UTILITIES DEPARTMENT 452 WALKER STREET, SUITE 200 AUGUSTA, GA 30901	Water Is Life AUGUSTA UTILITIES
AUD DETAIL 3.1		

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CLIENT: AUGUSTA MUSEUM OF HISTORY
560 REYNOLDS ST, AUGUSTA, GA

PROJECT NAME:
AUGUSTA MUSEUM OF HISTORY
WHITNEY BUILDING ADDITION

PROJECT LOCATION: 560 REYNOLDS ST, AUGUSTA, GA

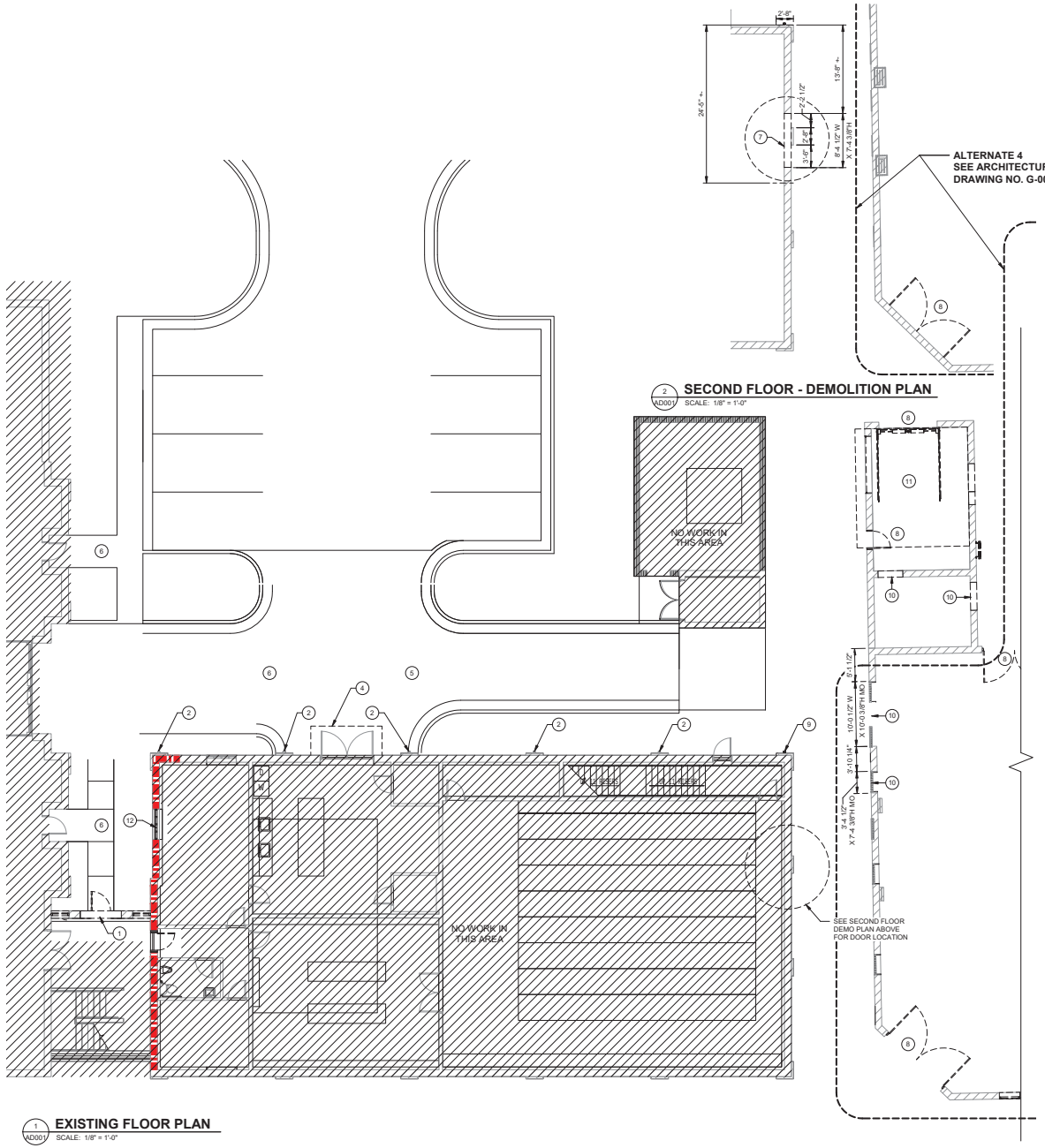
REV	DATE	BY	DESCRIPTION
0	08/03/22	WTB	ISSUED FOR CONSTRUCTION

PROJECT NO.	3042.2103
DRAWN BY :	AWR
CHECKED BY :	RDH
DATE:	08/03/2022

SHEET TITLE :
MISCELLANEOUS DETAILS SHEET 2 OF 2

SCALE: AS SHOWN

DRAWING NO. C-202 REV. 0



2 AD001 **SECOND FLOOR - DEMOLITION PLAN**
SCALE: 1/8" = 1'-0"

1 AD001 **EXISTING FLOOR PLAN**
SCALE: 1/8" = 1'-0"

DEMOLITION GENERAL NOTES

THE SCOPE OF THE DEMOLITION WORK INCLUDES THE FOLLOWING, UNLESS SPECIFICALLY INDICATED OTHERWISE:

A. CONTRACTOR TO SURVEY THE ENTIRE FACILITY BEFORE COMMENCEMENT OF DEMOLITION. CONTRACTOR TO NOTE ANY APPARENT AREAS OF CONCERN AND/OR DISCREPANCY. COORDINATE WITH ARCHITECT BEFORE START OF DEMOLITION.

B. CONTRACTOR SHALL COORDINATE WITH OWNER FOR HAZARDOUS MATERIAL IDENTIFICATION AND TESTING PRIOR TO BEGINNING ANY DEMOLITION WORK. IF HAZARDOUS MATERIALS ARE FOUND, THESE ITEMS WILL NEED TO BE PROPERLY REMOVED AND DISPOSED OF BEFORE DEMOLITION ACTIVITIES CAN BEGIN.

C. ALL WALLS THAT ARE SCHEDULED TO BE REMOVED SHALL INCLUDE THE REMOVAL OF ALL GAS PIPING, ELECTRICAL AND PLUMBING WORK CONCEALED WITHIN THOSE WALLS UNLESS OTHERWISE NOTED. CONTRACTOR TO COORDINATE WITH OWNER ON FINAL REMOVAL OF BUILDING SYSTEMS LISTED ABOVE.

D. ALL ABANDONED, NONESSENTIAL OR OTHERWISE NOT SPECIFICALLY SHOWN TO BE REUSED, MECHANICAL, PLUMBING OR ELECTRICAL UTILITIES THAT ARE EXPOSED AFTER CEILING OR WALL REMOVAL, ARE TO BE REMOVED AND CAPPED AT POINT OF ORIGIN, WHEREVER EXISTING EQUIPMENT, PIPING, DUCTS, ETC ARE REQUIRED TO BE REMOVED, SUCH REMOVAL SHALL INCLUDE ALL ANCHORS, HANGERS, FOUNDATIONS, ETC. AFTER REMOVAL AFFECTED CONSTRUCTION SHALL BE CAPPED SECURELY AND PROPERLY TERMINATED TO PREVENT POTENTIAL DAMAGE TO EXISTING SPACES TO REMAIN. CONSULT ARCHITECT IF QUESTIONS ARISE AS TO WHETHER A SERVICE IS TO BE ABANDONED OR IS TO REMAIN.

E. ALL OTHER COMPONENTS OF THE EXISTING CONSTRUCTION, NOT ESSENTIAL TO REMAIN, THAT WOULD INTERFERE WITH THE INSTALLATION OF NEW WORK OR INTERFERE WITH THE INSTALLATION OF NEW FLUSH, UNBROKEN PLUMB AND LEVEL WALL, CEILING, AND FLOOR SURFACES, SHALL BE REMOVED.

F. ALL EXISTING UTILITY SERVICE LINES IN RENOVATED AREAS SHALL CONNECT TO NEW SERVICE LINES OR BE REMOVED AND CAPPED OFF AS REQUIRED. REMOVE AND CAP OFF ALL ABANDONED UTILITIES BEHIND FINISH WALL SURFACES OR BELOW FLOOR LEVEL WHICH ARE EXPOSED DURING THE WORK.

G. ALL EXPOSED MATERIALS INCLUDED, BUT NOT LIMITED TO, CONCRETE, MASONRY, AND TILE WILL BE CUT IN STRAIGHT LINES PLUMB OR LEVEL USING CONCRETE SAWS. SCORING KNIVES OR OTHER APPROPRIATE TOOLS AS REQUIRED TO GIVE SMOOTH CLEAN EDGES. IRREGULARITIES IN EXPOSED SURFACES OR SURFACES TO BE REFINISHED SHALL BE GROUND SMOOTH OR FILLED FLUSH.

H. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR THE REGULAR DAILY REMOVAL OF ALL WASTE MATERIAL FROM THE PROJECT SITE AND BE RESPONSIBLE FOR KEEPING ALL AREAS CLEAN.

I. SALVAGE: THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL MATERIAL AND ITEMS TO BE REMOVED. THE GENERAL CONTRACTOR SHALL NOTIFY THE OWNER WHEN DEMOLITION IS ABTNT TO BEGIN AND CONDUCT A SURVEY WITH THE OWNER TO IDENTIFY THOSE ITEMS TO BE SALVAGED. ITEMS IDENTIFIED BY THE OWNER TO BE SALVAGED AND TURNED OVER TO THE OWNER ARE TO BE REMOVED BY THE GENERAL CONTRACTOR AND DELIVERED TO A MUTUALLY AGREED LOCATION.

J. ONCE DEMOLITION IS COMPLETE, THOROUGHLY CLEAN THE REMAINING INTERIOR & EXTERIOR WALL SURFACES; PREP FOR NEW FINISHES.

K. CONTRACTOR SHALL COORIDINATE WITH OWNER FOR THE SCHEDULING OF DEMOLITION IN AREAS AFFECTING MUSUEM OPERATIONS AND COORDINATE THE LOCATION AND SHALL BE RESPONSIBLE FOR ANY AND ALL TEMPORARY BARRIERS AND/OR WALLS AS REQUIRED TO PREVENT THE SPREAD OF DUST AND DEBRIS TO ADJOINING OCCUPIED SPACES.

DEMOLITION KEY NOTES

1. DEMO ENTIRE WALL UP TO BOTTOM OF ROOF STRUCTURE INCLUDING MASONRY WALL AND STOREFRONT CURTAIN WALL SYSTEM AND FINISH NEWLY EXPOSED SURFACES REMAINING TO MATCH ADJACENT SURFACES.
2. REWORK EXISTING DOWNSPOUTS TO DISCHARGE ONTO NEW SLOPING METAL ROOF. REWORK EXISTING STORM WATER COLLECTION SYSTEM AS REQ'D BY CIVIL DRAWINGS.
3. REWORK EXISTING UTILITIES AS REQUIRED BY CIVIL DRAWINGS.
4. REMOVE EXISTING DOOR CANOPY
5. SEE AD401 DEMOLITION REQUIREMENTS FOR EXISTING BRICK VENEER.
6. SEE CIVIL DRAWINGS FOR ADDITIONAL SITE DEMOLITION.
7. DEMO FOR NEW DOUBLE DOOR ON SECOND FLOOR
8. DEMO DOORS & FRAME
9. REWORK EXISTING DOWNSPOUT TO DISCHARGE ONTO NEW FLAT ROOF.
10. FIELD VERIFY EXISTING CONDITIONS AND ENSURE NEW OPENINGS ARE LOCATED RELATIVE TO NEW FINISHED FLOOR ELEVATION. PROPERLY SUPPORT EXISTING MASONRY AS REQUIRED PRIOR TO REMOVING SECTION OF WALL FOR NEW OPENING - SEE S-DRAWINGS.
11. REMOVE EXISTING ROOF AND ROOF FRAMING
12. DEMO WINDOW & FRAME AND PREPARE EXISTING OPENING TO RECEIVE NEW RATED INFILL PANEL - SEE DEMO DETAILS 2/A-702 & 5/A-702 AND INFILL DETAILS 3/A-702 & 6/A-702.

WALL LEGEND

EXISTING WALLS

DEMOLISHED WALLS

DETAIL NOTES

A1. CONTRACTOR TO PROVIDE ALTERNATE 1 BID LINE ITEM TO REMOVE EXISTING STOREFRONT DOOR AND FRAME AND DEMO FOR NEW 6'-4 1/2"W x 7'-4 3/8"H M.O. FOR NEW DOUBLE DOOR CASED OPENING IN LIEU OF DEMOLITION KEY NOTE 1.

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

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CLIENT: AUGUSTA MUSEUM OF HISTORY
560 REYNOLDS ST., AUGUSTA, GA 30901

PROJECT NAME: **AUGUSTA MUSEUM OF HISTORY**

PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

REV.	DATE	BY	DESCRIPTION
0	08/03/22	WLD	ISSUED FOR CONSTRUCTION

PROJECT NO.	3042.2103
DRAWN BY:	CTH
CHECKED BY:	WLD
DATE:	08/03/2022

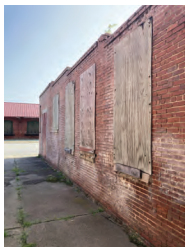
SHEET TITLE:
DEMOLITION PLAN - EXISTING FIRST FLOOR

SCALE: AS NOTED

DRAWING NO. **AD001** REV. **0**

8/3/2022, 3:44:56 PM C:\Revit - Local Projects\3042.2103_Augusta Museum\3042.2103_Architectural_Local_cthrevit.rvt

2 AD002 **NORTH ELEVATION**
NO SCALE



3 AD002 **MAINT. OFFICE**
SCALE: 3/8" = 1'-0"

4 AD002 **MAINTENANCE OFFICE**
SCALE: 3/8" = 1'-0"

5 AD002 **INTERIOR MEZZANINE**
SCALE: 3/8" = 1'-0"

6 AD002 **GROUNDS EQUIP.**
SCALE: 3/8" = 1'-0"

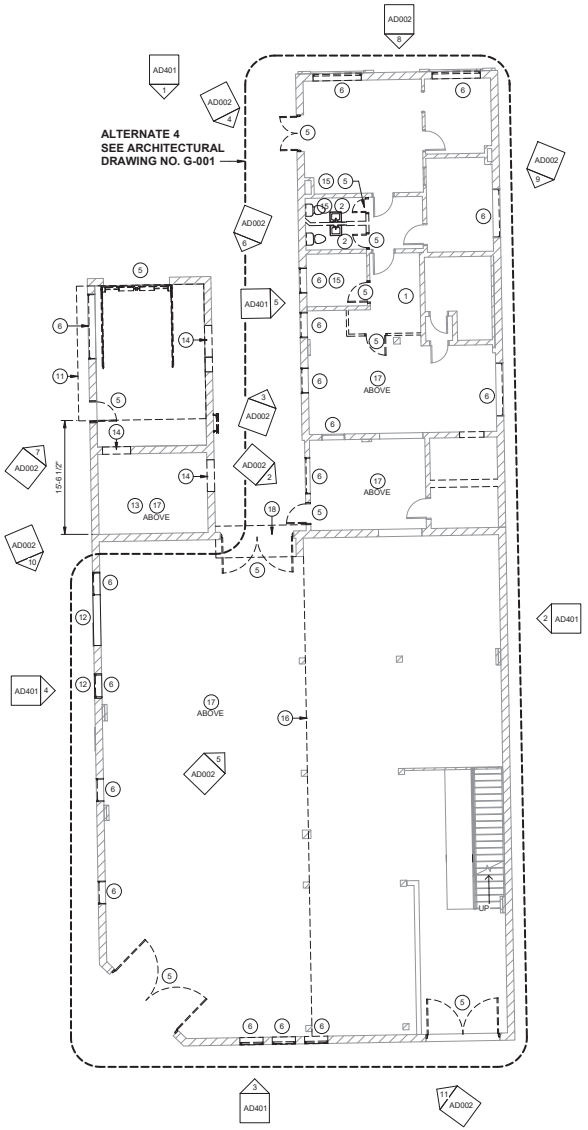
7 AD002 **GROUNDS EQUIP.**
SCALE: 3/8" = 1'-0"

8 AD002 **MAINT. OFFICE**
SCALE: 3/8" = 1'-0"

9 AD002 **MAINT. OFFICE & WORKSHOP**
SCALE: 3/8" = 1'-0"

10 AD002 **WORKSHOP - WEST ELEVATION**
SCALE: 3/8" = 1'-0"

11 AD002 **WORKSHOP - SOUTH ELEVATION**
SCALE: 3/8" = 1'-0"



1 AD002 **DEMOLITION PLAN**
SCALE: 1/8" = 1'-0"

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K. CONTRACTOR SHALL COORDINATE WITH OWNER FOR THE SCHEDULING OF DEMOLITION IN AREAS AFFECTING MUSEUM OPERATIONS AND COORDINATE THE LOCATION AND SHALL BE RESPONSIBLE FOR ANY AND ALL TEMPORARY BARRIERS AND/OR WALLS AS REQUIRED TO PREVENT THE SPREAD OF DUST AND DEBRIS TO ADJOINING OCCUPIED SPACES.

DEMOLITION KEY NOTES

1. CEILINGS
REMOVE & DISPOSE OF EXISTING ACT CEILINGS AND SUSPENSION GRIDS. REPAIR GYPSUM BOARD CEILINGS AS REQUIRED.
2. PLUMBING FIXTURES
REMOVE AND DISPOSE OF EXISTING PLUMBING FIXTURES. REPAIR WALL/ FLOOR AS REQUIRED.
3. LIGHT FIXTURES
REMOVE AND DISPOSE OF EXISTING LIGHT FIXTURES. WIRING TO REMAIN UNLESS NOTED OTHERWISE.
4. FLOORING
REMOVE AND DISPOSE OF EXISTING FLOORING FINISHES & BASE. REMOVE ALL GLUE AND RESIDUE. PREPARE FOR INSTALLATION OF NEW FLOORING.
5. DOORS
REMOVE AND DISPOSE OF EXISTING DOOR & FRAMING. REPAIR WALL/ FLOOR AS REQUIRED.
6. WINDOWS
REMOVE AND DISPOSE OF EXISTING WINDOW & FRAMING. EXISTING LOW WINDOWS IN "WORKSHOP 116" HAVE BURGULAR BARS MOUNTED INSIDE EXISTING WINDOWS.
7. ROOF
REMOVE DOWN TO AND EVALUATE EXISTING WOOD DECK
8. CONCRETE SIDEWALK
CONCRETE SIDEWALK IS TO BE CLEANED OF ALL DEBRIS AND STAINS. ENSURE ALL CONTROL JOINTS ARE CLEANED OF ANY VEGETATION. REPLACE ANY FAILING OR DAMAGED CAULK AT ALL EXPANSION JOINT LOCATIONS.
9. ELECTRICAL
ALL EXISTING EXTERIOR LIGHTS TO BE REMOVED. ELECTRICAL CONNECTIONS TO BE CAPPED OFF AND PROTECTED DURING DEMOLITION ACTIVITIES.
10. HVAC
DEMOLISH AND REMOVE EXISTING HVAC SYSTEMS SERVING AREA OR WORK IN THEIR ENTIRETY, INCLUDING EQUIPMENT, PIPING, DUCTWORK, CONTROLS AND APPURTENANCES.
11. REMOVE EXISTING ROOF AND ROOF FRAMING. APPROXIMATELY 320 SF.
12. FIELD VERIFY EXISTING CONDITIONS AND ENSURE NEW OPENINGS ARE LOCATED RELATIVE TO NEW FINISHED FLOOR ELEVATION. PROPERLY SUPPORT EXISTING MASONRY AS REQUIRED PRIOR TO REMOVING SECTION OF WALL FOR NEW OPENING - SEE S-DRAWINGS.
13. CONTRACTOR SHALL PROPERLY CLEAN AND PREPARE ALL ROOM SURFACES AS REQUIRED TO RECEIVE NEW ELEVATOR EQUIPMENT. DEMO EXISTING CEILING AND PREPARE CEILING JOISTS TO RECEIVE NEW FIRE RATED GYPBOARD CEILING.
14. PROPERLY SUPPORT EXISTING MASONRY AS REQUIRED PRIOR TO REMOVING SECTION OF WALL FOR NEW OPENING - SEE S-DRAWINGS.
15. DEMO EXISTING FLOORS OR WALLS AS REQUIRED FOR NEW PLUMBING DRAINS - SEE P-DRAWINGS.
16. EDGE OF EXISTING MEZZANINE FLOOR AND WALL FRAMING ABOVE. CUT OFF FIRE DAMAGED END OF BOARDS BACK TO CENTERLINE OF NEAREST STUD AND REMOVE EXISTING WIRE MESH ABOVE. SEE A-102 FOR NEW WORK REQUIREMENTS.
17. REMOVE EXISTING ROOFING SYSTEMS INCLUDING ALL EXISTING ROOFING MATERIALS AND ACCESSORIES DOWN TO ROOF DECK. INSPECT EXISTING ROOF DECK AND PARAPET WALLS FOR DAMAGE AND REMOVE ANY DAMAGED MATERIALS WHICH WOULD AFFECT THE INSTALLATION OF NEW ROOFING REQUIRED BY A-301.
18. SAW CUT AND REMOVE EXISTING CONCETE AS REQUIRED TO PROPERLY INSTALL NEW CONCRETE RAMP

WALL LEGEND

EXISTING WALLS

DEMOLISHED WALLS

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

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CLIENT: AUGUSTA MUSEUM OF HISTORY
560 REYNOLDS ST., AUGUSTA, GA 30901

PROJECT NAME: **AUGUSTA MUSEUM OF HISTORY**

PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

REV.	DATE	BY	DESCRIPTION
0	08/03/22	WLD	ISSUED FOR CONSTRUCTION

PROJECT NO.	3042.2103
DRAWN BY:	CTH
CHECKED BY:	WLD
DATE:	08/03/2022

SHEET TITLE:
DEMOLITION PLAN - MAINTENANCE OFFICE & WAREHOUSE

SCALE: AS NOTED

DRAWING NO. **AD002** REV. **0**

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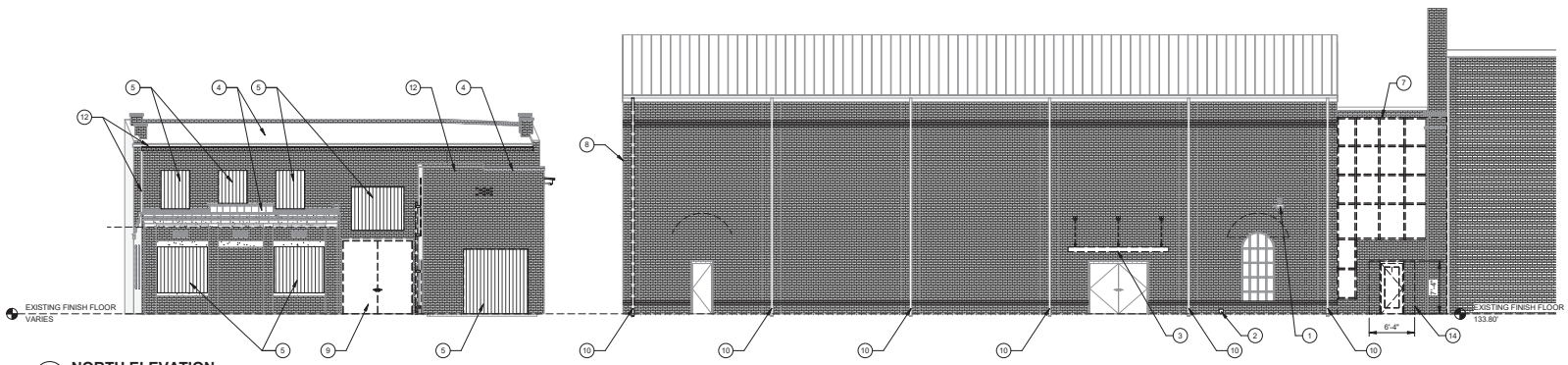
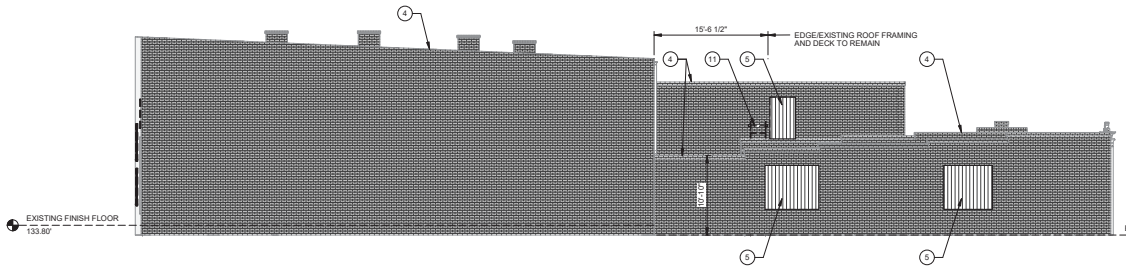
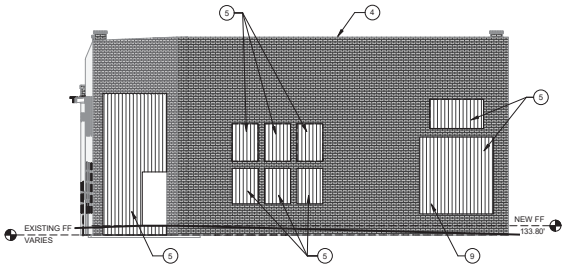


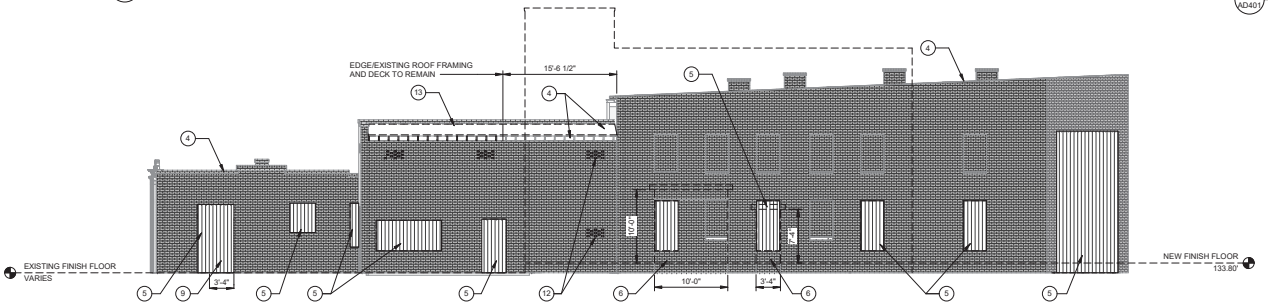
1 AD401 **NORTH ELEVATION**
SCALE: 1/8" = 1'-0"



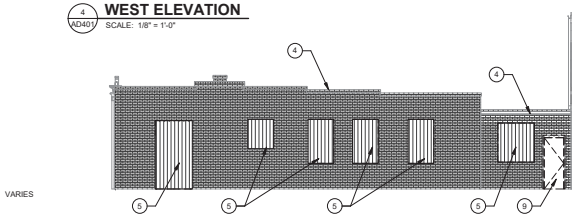
2 AD401 **EAST ELEVATION**
SCALE: 1/8" = 1'-0"



3 AD401 **SOUTH ELEVATION**
SCALE: 1/8" = 1'-0"



4 AD401 **WEST ELEVATION**
SCALE: 1/8" = 1'-0"



5 AD401 **WEST ELEVATION**
SCALE: 1/8" = 1'-0"

DEMOLITION ELEVATION KEY NOTES

1. RELOCATE SECURITY CAMERA
2. REMOVE DRYER VENT
3. REMOVE EXISTING CANOPY. PROPERLY REPAIR DAMAGED BRICK.
4. REMOVE EXISTING ROOFING MATERIALS. INSPECT EXISTING WOODEN ROOF DECK AND REPLACE ANY DAMAGED AREAS. PROPERLY CLEAN AND PREPAIR EXISTING ROOF DECK AND PARAPET WALLS TO RECEIVE NEW ROOFING.
5. REMOVE EXISTING PROTECTIVE COVERINGS OVER WINDOWS OR DOORS AND REVOVE EXISTING EXTERIOR DOORS, DOOR FRAMES, & WINDOW UNITS. PREPAIR OPENINGS TO RECIVE NEW ITEM TO BE INSTALLED
6. CREATE OPENING FOR ROLL-UP DOOR AND PASSAGE DOOR AND REQUIRED LINTELS. FIELD VERIFY EXISTING CONDITIONS AND ENSURE NEW OPENINGS ARE LOCATED RELATIVE TO NEW FINISHED FLOOR ELEVATION. PROPERLY SUPPORT EXISTING MASONRY AS REQUIRED PRIOR TO REMOVING SECTION OF WALL FOR NEW OPENING - SEE STRUCTURAL DRAWINGS
7. DEMOLISH ENTIRE WALL UP TO BOTTOM OF ROOF STRUCTURE INCLUDING MASONRY WALL AND STOREFRONT CURTAIN WALL SYSTEM AND FINISH NEWLY EXPOSED SURFACES REMAINING TO MATCH ADJACENT SURFACES
8. REMOVE PORTION OF EXISTING SOUTH WALL AS REQUIRED TO INSTALL NEW PAIR OF DOORS AND FRAME AND REQUIRED LINTEL - SEE STRUCTURAL DRAWINGS
9. REMOVE EXISTING AND PREP FOR NEW DOOR OR WINDOW AND FRAME
10. REWORK EXISTING DOWNSPOUT TO DISCHARGE ON NEW ROOF - SEE A-401
11. CUT LADDER RUNGS OFF FLUSH WITH WALL
12. REMOVE EXISTING GUTTER AND DOWNSPOUTS
13. REMOVE PORTION OF EXISTING ROOF AND ROOF FRAMING
14. PROVIDE ALTERNATE 1 BID LINE ITEM (SEE G-001) TO DEMOLISH EXISTING DOOR & FRAME AND PORTION OF EXISTING WALL AS REQUIRED TO INSTALL NEW PAIR OF DOORS AND REQUIRED LINTEL (SEE STRUCTURAL DRAWINGS) VERSUS THE DEMOLITION REQUIREMENTS LISTED IN 7 ABOVE.

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DATE:	08/03/2022

SHEET TITLE:
EXISTING DEMOLITION EXTERIOR ELEVATIONS

SCALE: AS NOTED

DRAWING NO. **AD401** REV. **0**

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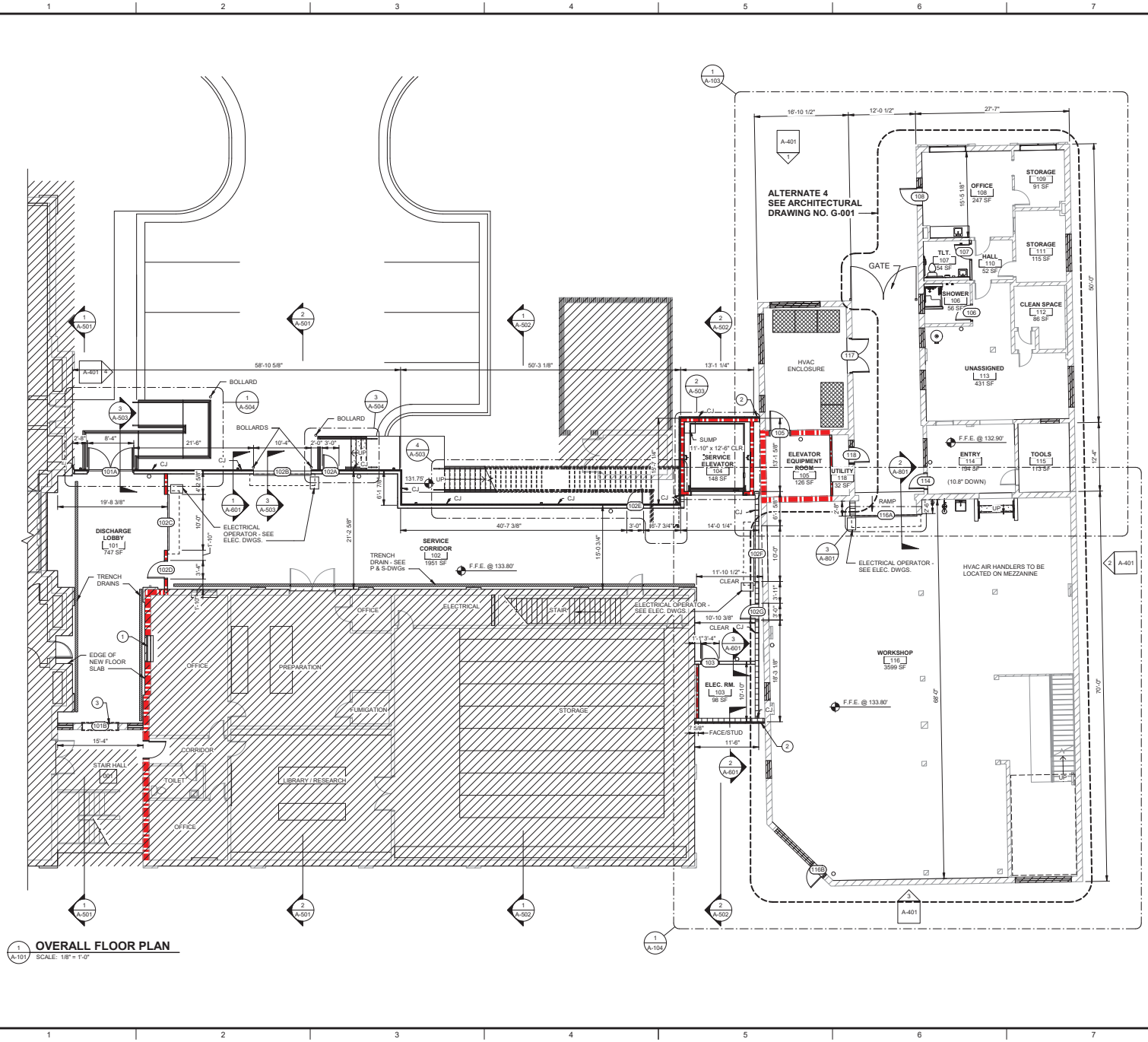

1 A-101 **OVERALL FLOOR PLAN**
SCALE: 1/8" = 1'-0"

GRAPHIC SYMBOLS

- DRAWING LOCATION ON SHEET GRID
- DRAWING NAME
- View Name
- SCALE: 1/8" = 1'-0"
- DRAWING SCALE
- SHEET IDENTIFIER FOR LOCATION OF DETAIL

BUILDING ELEVATION KEY
- ELEVATION LOCATION ON SHEET GRID
- SHEET IDENTIFIER FOR LOCATION OF ELEVATION
- DIRECTION OF ELEVATION

REVISION INDICATION — REVISION NUMBER
CONTROL JOINT — CJ
AREA REVISED
TYPICAL DIMENSION INDICATOR — 9 1/2"
DOOR NUMBER — 101A — SEE A-101 & A-105
FLOOR ELEVATION — 01 FLOOR 12'-0"
GLASS TYPE — A — SEE A-701
ROOM NAME AND AREA — ROOM NAME 101 150 SF

SECTION KEYS
- DIRECTION OF SECTION
- BUILDING SECTION LOCATION ON SHEET GRID
- SHEET IDENTIFIER FOR LOCATION OF SECTION
- DIRECTION OF SECTION
- WALL SECTION LOCATION ON SHEET GRID
- TERMINATION OF SECTION
- SHEET IDENTIFIER FOR LOCATION OF SECTION

INTERIOR ELEVATION KEY
- ELEVATION LOCATION ON SHEET GRID
- SHEET IDENTIFIER FOR LOCATION OF ELEVATION
- DIRECTION OF ELEVATION

NO WORK

WALL LEGEND

- EXISTING WALLS
- NEW WALLS - SEE A-701 FOR WALL TYPES
- NEW INFILLED WALLS

DIMENSION NOTES

- DIMENSIONS ARE FROM FACE OF METAL STUD/ CMU TO FACE OF METAL STUD/ CMU OR EXISTING EXTERIOR FACE OF WALL TO FACE OF METAL STUD/ CMU

OR

- DIMENSIONS ARE CLEAR DIMENSIONS FROM FACE OF EXISTING BUILDING TO FACE OF METAL STUD OR FACE OF CMU WALL

KEYNOTES

1. INFILL EXISTING OPENING W/ FIRE RATED PANEL - SEE 3/A-702 & 6/A-702. INSTALL FIRE RATED SEALANT BETWEEN EXISTING VENEER AND NEW FIRE RATED PANEL. TEMPORARILY INSTALL DUST AND DEBRIS BARRIER PRIOR TO BEGINNING OF ANY DEMOLITION ACTIVITIES - COORDINATE WITH OWNER FOR BARRIER CONFIGURATION .
2. EXTEND LOWER 14"+- OF NORTH WALL (UNDER EXISTING ROOF TO REMAIN) TO WITHIN 1" OF EXISTING WALL AND INSTALL BACK UP ROD AND SEALANT. EXTEND SOUTH WALL TO WITHIN 1" OF EXISTING WALL UP TOP OF EXISTING PARAPET HEIGHT. SEE A-301 FOR ROOFING DETAILS.
3. IF OWNER SELECTS ALTERNATE 1, PROVIDE NEW 6'-4 1/2"W x 7'-4 3/8"H M.O. WITH NEW HOLLOW METAL DOOR FRAME - SEE 9/A-802 (SIM).

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

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DATE:	08/03/2022

SHEET TITLE: **OVERALL FLOOR PLAN**

SCALE: AS NOTED

DRAWING NO. **A-101** REV. **0**

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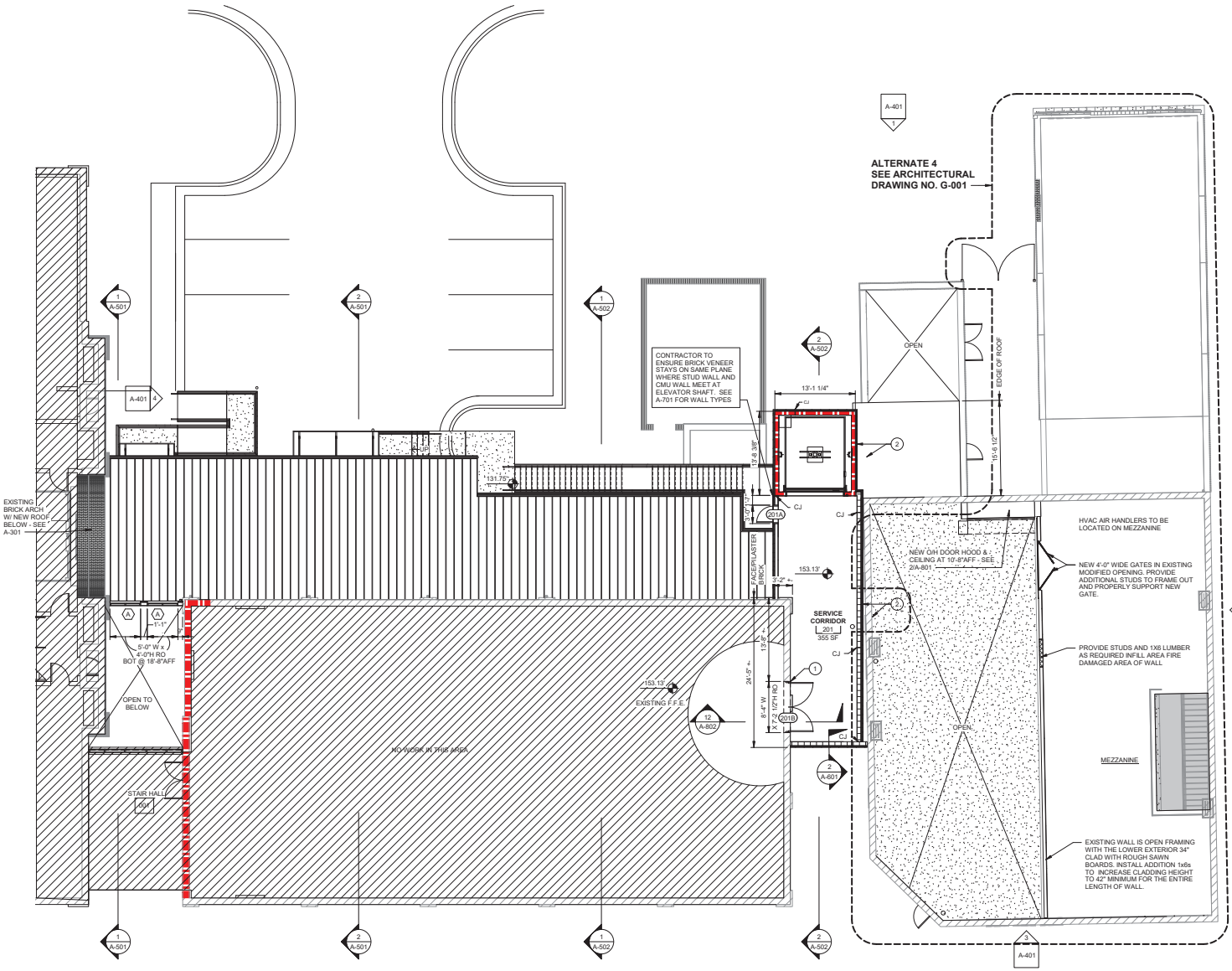

1 A-102 **SECOND FLOOR**
SCALE: 1/8" = 1'-0"

GRAPHIC SYMBOLS

DRAWING LOCATION ON SHEET GRID
DRAWING NAME
1 A101 **View Name** SCALE: 1/8" = 1'-0"
DRAWING SCALE
SHEET IDENTIFIER FOR LOCATION OF DETAIL

BUILDING ELEVATION KEY
1 A-401 — ELEVATION LOCATION ON SHEET GRID; SHEET IDENTIFIER FOR LOCATION OF ELEVATION; DIRECTION OF ELEVATION

REVISION INDICATION — REVISION NUMBER
CONTROL JOINT — CJ
AREA REVISED
TYPICAL DIMENSION INDICATOR — 9 1/2"
DOOR NUMBER — 201A — SEE A-101 & A-105
FLOOR ELEVATION — 01 FLOOR 12'-0"
GLASS TYPE — A — SEE A-701
ROOM NAME AND AREA — ROOM NAME 101 150 SF

SECTION KEYS
DIRECTION OF SECTION
BUILDING SECTION LOCATION ON SHEET GRID
A1 SIM A-101 — SHEET IDENTIFIER FOR LOCATION OF SECTION
DIRECTION OF SECTION
WALL SECTION LOCATION ON SHEET GRID
TERMINATION OF SECTION
SHEET IDENTIFIER FOR LOCATION OF SECTION

INTERIOR ELEVATION KEY
1 A-801 — ELEVATION LOCATION ON SHEET GRID; SHEET IDENTIFIER FOR LOCATION OF ELEVATION; DIRECTION OF ELEVATION

NO WORK

WALL LEGEND

EXISTING WALLS
NEW WALLS - SEE A-701 FOR WALL TYPES
NEW INFILLED WALLS

DIMENSION NOTES

- DIMENSIONS ARE FROM FACE OF METAL STUD/ CMU TO FACE OF METAL STUD/ CMU OR EXISTING EXTERIOR FACE OF WALL TO FACE OF METAL STUD/ CMU

OR

- DIMENSIONS ARE CLEAR DIMENSIONS FROM FACE OF EXISTING BUILDING TO FACE OF METAL STUD OR FACE OF CMU WALL

KEYNOTES

1. INSTALL NEW DOOR AND DOOR FRAME IN NEW OPENING - SEE 2/AD001 & 12/A-802. TEMPORARILY INSTALL DUST AND DEBRIS BARRIER PRIOR TO BEGINNING OF ANY DEMOLITION ACTIVITIES - COORDINATE WITH OWNER FOR BARRIER CONFIGURATION.
2. INSTALL BOTTOM OF "THIN BRICK VENEER" A BETWEEN 1" AND 4" ABOVE TOP OF ADJACENT FINISHED ROOF SURFACE OR TOP OF ADJACENT PARAPET CAP.

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

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PROJECT NO.	3042.2103
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SHEET TITLE: **FLOOR PLAN - SECOND FLOOR**

SCALE: AS NOTED

DRAWING NO. **A-102** REV. **0**

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KEY NOTES

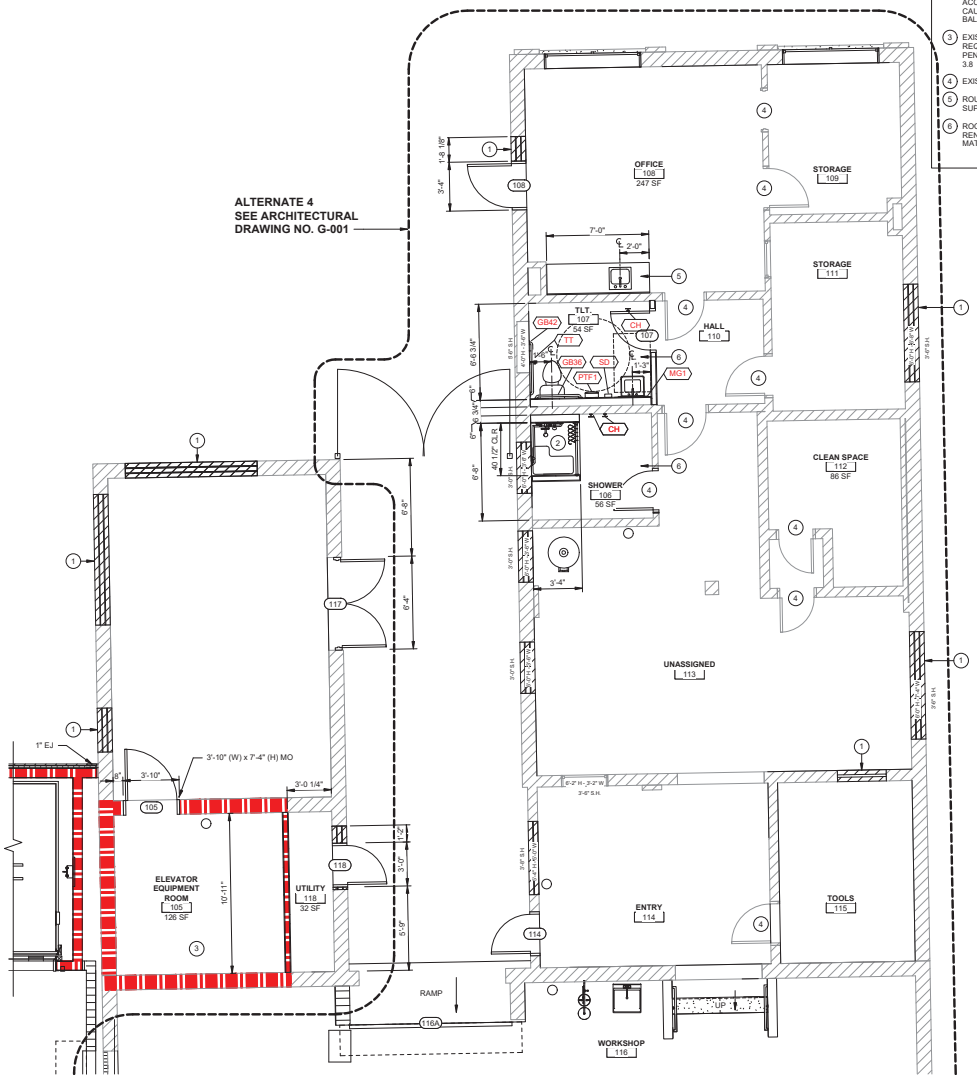
1. INFILL EXISTING OPENING WITH BRICK VENEER - SEE WALL TYPE 1A / A-703 & S-DRAWINGS FOR DETAILS
2. PROVIDE PREMANUFACTURED SHOWER SURROUND WITH BOTTOM EQUAL TO MODEL: "APFQ3637BF3P-RRF ADA TRANSFER SHOWER" AS MAUFACTURED BY FREEDOM SHOWERS (WWW.FREEDOMSHOWERS.COM) WITH THE FOLLOWING OPTIONAL ACCESSORIES: COLLAPSIBLE WATER RETAINER, FOLDING SHOWER SEAT, CAULKLESS DRAIN, GRAB BARS, SHOWER ROD & CURTAIN, PRESSURE BALANCE VALVE WITH HAND-HELD SHOWER AND SLIDE BAR.
3. EXISTING MULTI WYTHE BRICK WALL PROVIDES MORE THAN THE REQUIRED 1 HOUR RATING. PROPERLY PROTECT ALL WALL PENETRATIONS AND INSTALL FIRE RATED SEALANT AS REQUIRED. (NOTE: 3.8 INCHES OF SOLID BRICK CARRIES A 2 HR. RATING.
4. EXISTING DOOR AND/OR DOOR FRAME
5. ROUGH-IN PLUMBING FOR FUTURE SINK IN FUTURE BASE CABINET SUPPLIED BY OWNER.
6. ROOMS 107 (TOILET) AND 106 (SHOWER) ARE TO BE COMPLETELY RENOVATED WITH NEW FLOOR, WALLS, AND CEILING FINISHED MATERIALS - SEE FINISHED SCHEDULE ON A-902.

ACCESSORY SCHEDULE

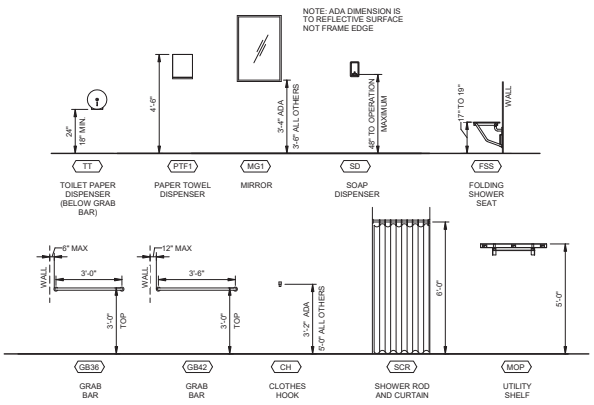
NOTE: ALL ACCESSORIES TO HAVE MAX PROJECTION OF 4"

KEY	ACCESSORY DESCRIPTION	BOBRICK NO. / ASI NO. *	MOUNTING HEIGHT
TT	SURFACE-MOUNTED JUMBO ROLL TISSUE DISPENSER	ASI 0042	BOTTOM OF UNIT - 1'-6"
PTF1	SURFACE-MOUNTED PAPER TOWEL DISPENSER	ASI 0210-T	TOP OF UNIT - 4'-6" - 5'-10"
MG1	GLASS MIRROR WITH STAINLESS STEEL ANGLE FRAME, 24" x 36"H.	ASI 0600-2436	BOTTOM OF UNIT - 3'-4"
SD	SURFACE-MOUNTED SOAP DISPENSER	ASI-0351	BOTTOM OF UNIT - 3'-6"
FSS	REVERSIBLE SOLID PHENOLIC FOLDING SHOWER SEAT	B-5181	TOP OF SEAT - 1'-5"
GB36	1 1/2" DIAMETER STAINLESS STEEL GRAB BARS WITH SNAP FLANGE	B-6806 x 36	TOP OF UNIT - 3'-0"
GB42	1 1/2" DIAMETER STAINLESS STEEL GRAB BARS WITH SNAP FLANGE	B-6806 x 42	TOP OF UNIT - 3'-0"
GBSH	SHOWER 1 1/2" DIAMETER STAINLESS STEEL GRAB BARS WITH SNAP FLANGE	B-68616	TOP OF UNIT - 3'-0"
CH	STAINLESS STEEL CLOTHES HOOK	B-233	CENTER OF UNIT - 3'-2" - 4'-0"
MOP	UTILITY SHELF WITH MOP / BROOM HOLDERS AND RAG HOOKS	B-224	TOP OF UNIT - 5'-0"
SCH	STAINLESS STEEL SHOWER CURTAIN HOOK	B-204-1	TOP OF UNIT - 6'-0"
SCR	STAINLESS STEEL SHOWER CURTAIN ROD WITH VINYL SHOWER CURTAIN	B-207 B-204-3	-- TOP OF UNIT - 1'-8"
WR	WASTE RECEPTACLE	AJW U450-2 SURFACE MOUNTED BY AJW ARCHITECTURAL PRODUCTS	TOP OF UNIT - 36"

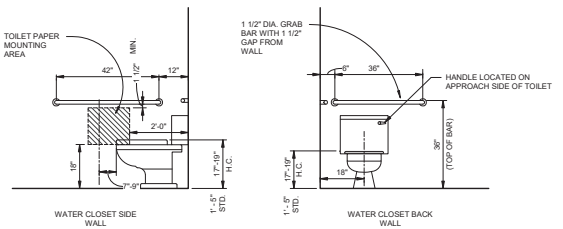
* CONTRACTOR TO PROVIDE BOBRICK, OR ASI ACCESSORY AS NOTED OR APPROVED EQUAL



1 / A-103 **ENLARGED PLAN - OFFICE AREA**
SCALE: 1/4" = 1'-0"



TOILET ACCESSORIES - MOUNTING HEIGHTS
SCALE: 3/8" = 1'-0"



STANDARD TOILET FIXTURE AND ACCESSORY MOUNTING HEIGHTS
SCALE: 1/2" = 1'-0"

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

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SCALE	AS NOTED
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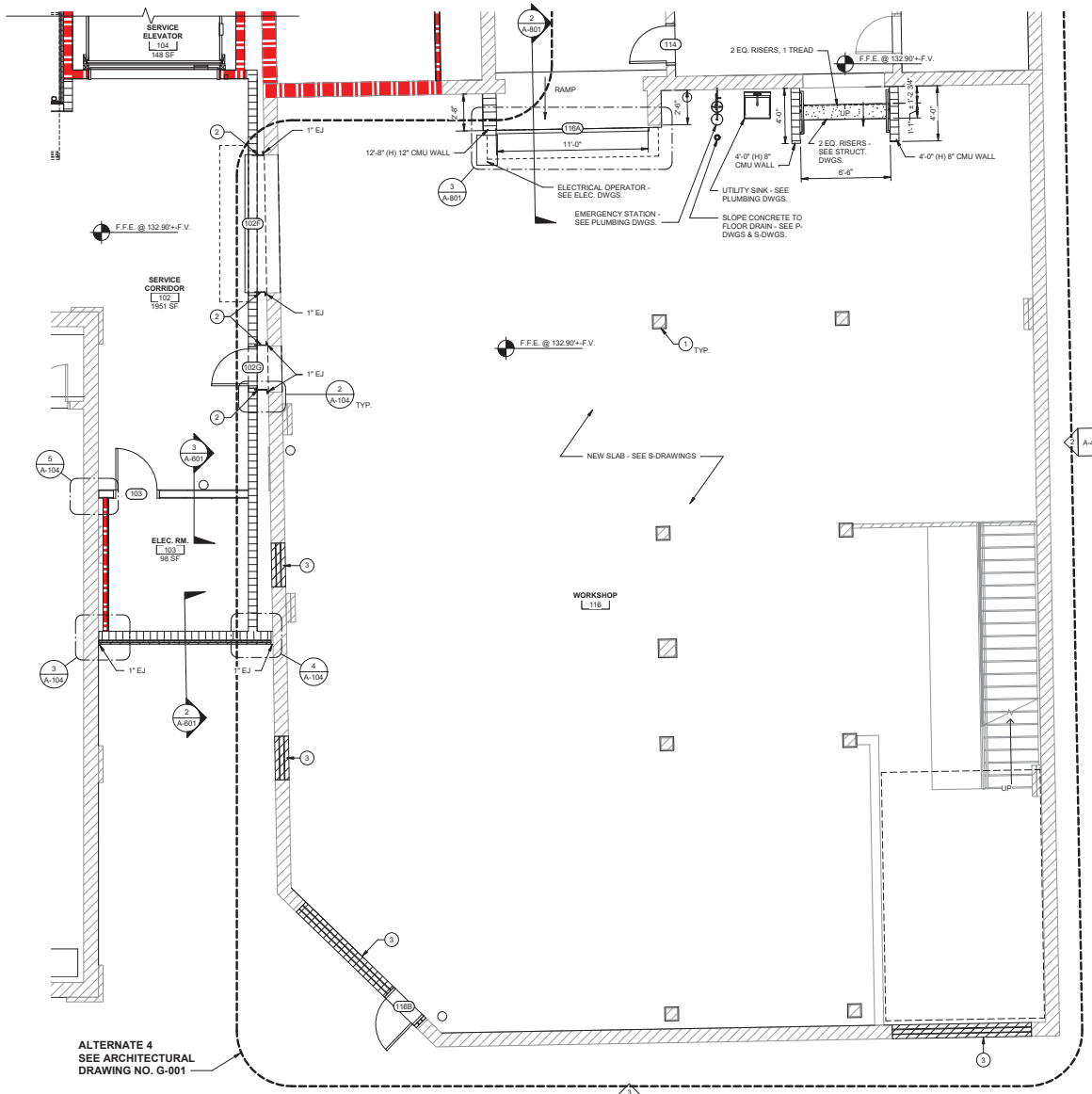
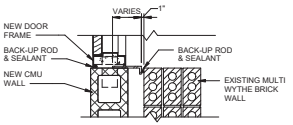


1 A-104 **ENLARGED PLAN - WAREHOUSE**
SCALE: 1/4" = 1'-0"

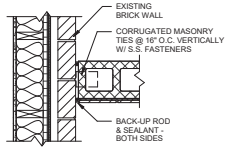
KEYNOTES

1. WRAP EXISTING WOOD COLUMN WITH ALUMINUM SHEET METAL FROM EXISTING FINISHED FLOOR UP TO NEW FINISHED FLOOR ELEVATION TO KEEP CONCRETE FROM BEING IN DIRECT CONTACT WITH WOOD. SEE S-DRAWINGS FOR PEJ REQUIREMENTS, TYPICAL.
2. CLOSE OFF CAVITY BETWEEN NEW AND EXISTING AT HEAD & JAMBS W/ 10 GA. ALUMINUM BENT PLATE ANCHORED TO NEW CMU - SEE 2/A-104. PROVIDE 1" EXPANSION JOINT AT FACE OF EXISTING BUILDING. INSTALL BACK-UP ROD & SEALANT IN 1" EJ.
3. INFILL EXISTING OPENING - SEE WALL TYPE 1 / A-701 & S-DRAWINGS FOR DETAILS. SET FACE OF THIN BRICK 1" BACK FROM EXTERIOR FACE OF EXISTING BRICK. INSTALL BACKUP ROD AND SEALANT BETWEEN EXISTING OPENING AND NEW INFILL AT BOTH INTERIOR AND EXTERIOR SURFACES.

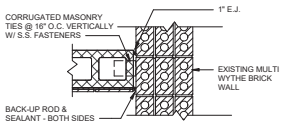


INSTALL CONTINUOUS 10 GA ALUMINUM BENT PLATE WITH 2" RETURN ANCHORED W/ S.S. FASTENERS TO NEW CMU TO DRESS OUT VOID AT JAMBS & HEAD BETWEEN NEW CMU WALL AND EXISTING BRICK WALL. MAINTAIN 1" CLEAR BETWEEN BENT PLATE RETURN AND EXISTING BRICK WALL AND INSTALL BACK-UP ROD AND SEALANT.

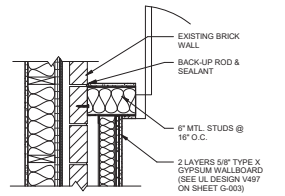
2 A-104 **DETAIL**
SCALE: 1" = 1'-0"



3 A-104 **DETAIL**
SCALE: 1" = 1'-0"



4 A-104 **DETAIL**
SCALE: 1" = 1'-0"



5 A-104 **DETAIL**
SCALE: 1" = 1'-0"

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

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SCALE: AS NOTED

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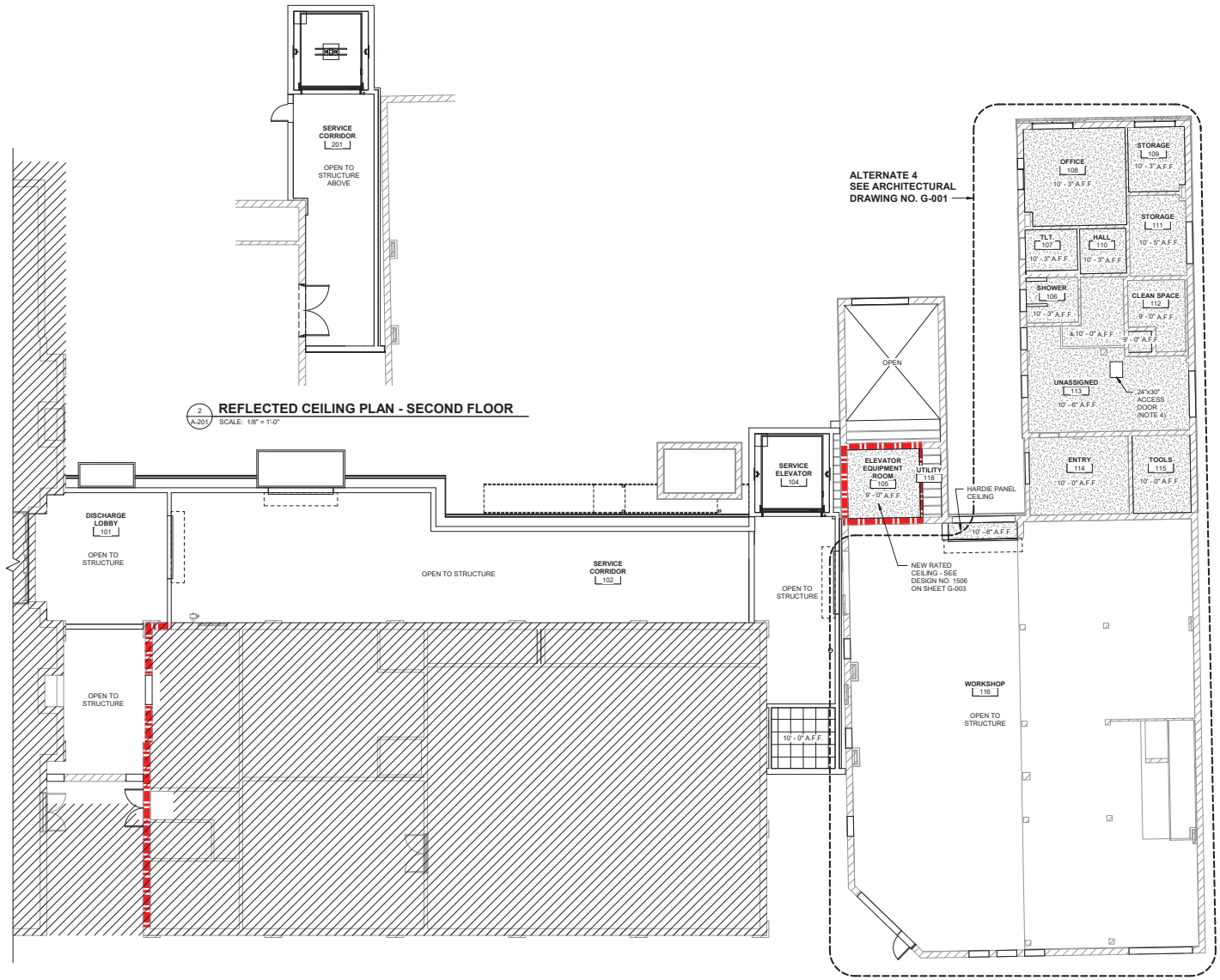

CEILING LEGEND

- **ACOUSTICAL CEILING TILE** — 2X2 LAY-IN CEILING PANEL WITH SUSPENDED GRID
- **HARD CEILING** — GYPSUM BOARD, PAINTED
- **EXPOSED CEILING** — EXPOSED STRUCTURE
- **NO WORK REQUIRED** — (OUT OF SCOPE)
- **CEILING CAP/ SOUND BARRIER INSULATION PLATE** — ABOVE CEILING (2'-0" FROM PERIMETER WALLS)
- **MECH DIFFUSER / RETURN GRILLE** — SEE MECH DWGS.
- **SOUND BAFFLE** — SEE INTERIOR SPECIFICATIONS

NOTES:

1. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR ALL RELATED ITEMS .
2. SEE ELECTRICAL DRAWINGS FOR FIXTURE SCHED.
3. ALL LIGHT FIXTURES, EMERGENCY SIGNAGE, HVAC SUPPLY AND RETURN VENTS, FIRE AND ALARM DEVICES, AND OTHER CEILING ELEMENTS ARE TO BE CENTERED IN GYPSUM CEILING OR SOFFIT UNLESS NOTED OTHERWISE.
4. ATTIC ACCESS HATCH. NYSTROM - MODEL NTC 24x30 D14 OR EQUAL.

NO WORK

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

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REV.	DATE	BY	DESCRIPTION
0	08/03/22	WLD	ISSUED FOR CONSTRUCTION

PROJECT NO.	3042.2103
DRAWN BY:	CTH
CHECKED BY:	WLD
DATE:	08/03/2022

SHEET TITLE: **REFLECTED CEILING PLANS**

SCALE: AS NOTED

DRAWING NO. **A-201** REV. **0**

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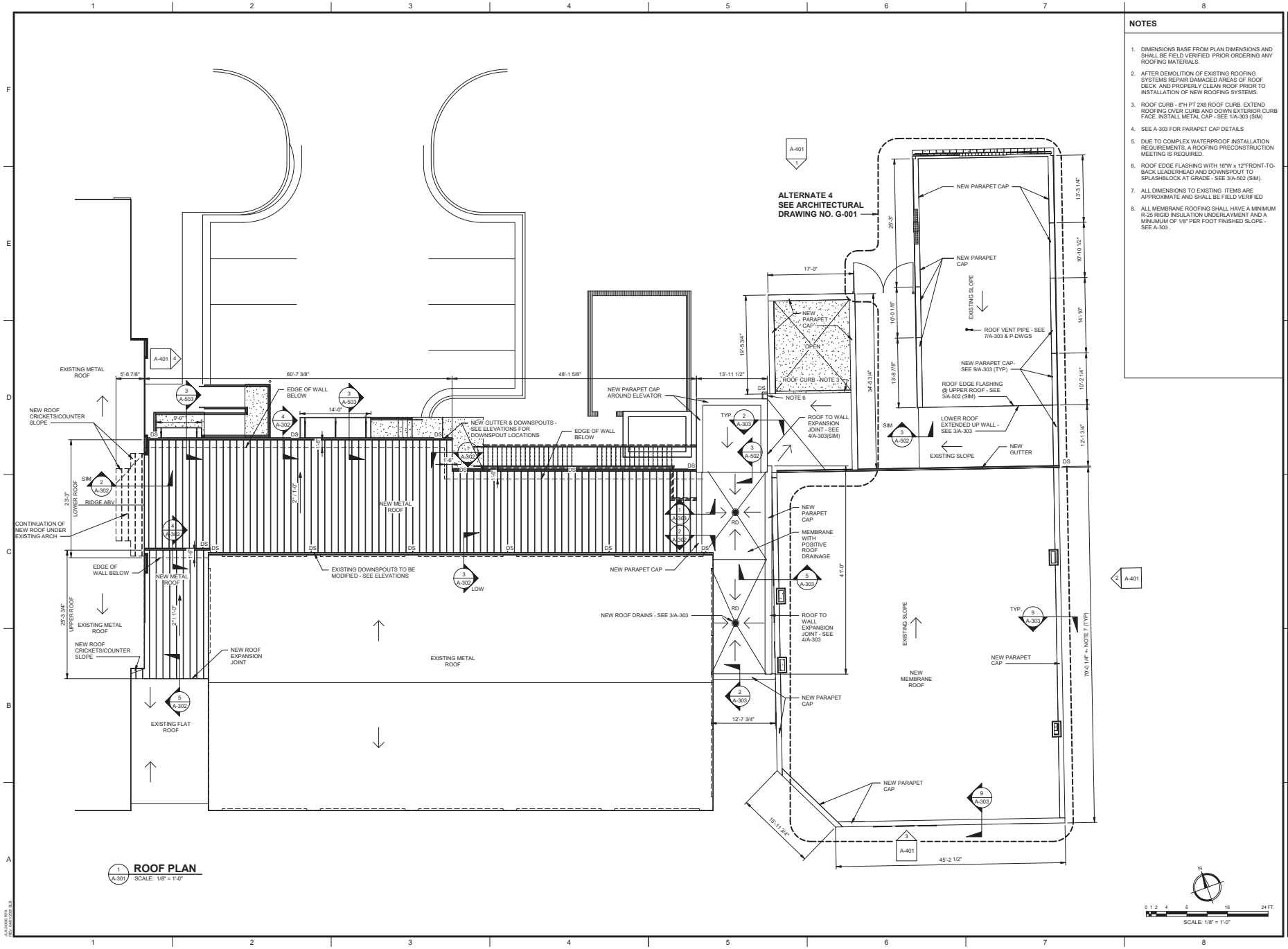

ROOF PLAN
SCALE: 1/8" = 1'-0"

NOTES

1. DIMENSIONS BASE FROM PLAN DIMENSIONS AND SHALL BE FIELD VERIFIED PRIOR ORDERING ANY ROOFING MATERIALS.
2. AFTER DEMOLITION OF EXISTING ROOFING SYSTEMS REPAIR DAMAGED AREAS OF ROOF DECK AND PROPERLY CLEAN ROOF PRIOR TO INSTALLATION OF NEW ROOFING SYSTEMS.
3. ROOF CURB - 8"H PT 2X6 ROOF CURB. EXTEND ROOFING OVER CURB AND DOWN EXTERIOR CURB FACE. INSTALL METAL CAP - SEE 1/A-303 (SIM)
4. SEE A-303 FOR PARAPET CAP DETAILS
5. DUE TO COMPLEX WATERPROOF INSTALLATION REQUIREMENTS, A ROOFING PRECONSTRUCTION MEETING IS REQUIRED.
6. ROOF EDGE FLASHING WITH 16"W x 12"FRONT-TO-BACK LEADERHEAD AND DOWNSPOUT TO SPLASHBLOCK AT GRADE - SEE 3/A-502 (SIM).
7. ALL DIMENSIONS TO EXISTING ITEMS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED
8. ALL MEMBRANE ROOFING SHALL HAVE A MINIMUM R-25 RIGID INSULATION UNDERLAYMENT AND A MINUMUM OF 1/8" PER FOOT FINISHED SLOPE - SEE A-303 .

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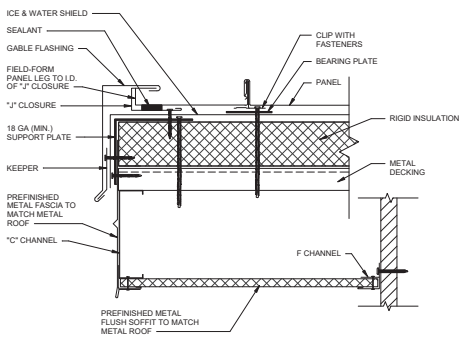
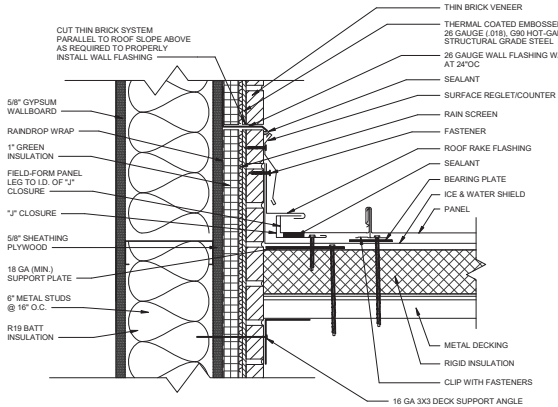
PROJECT NO.	3042.2103
DRAWN BY:	CTH
CHECKED BY:	WLD
DATE:	08/03/2022
SHEET TITLE:	ROOF PLAN
SCALE	AS NOTED
DRAWING NO.	A-301
REV.	0

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

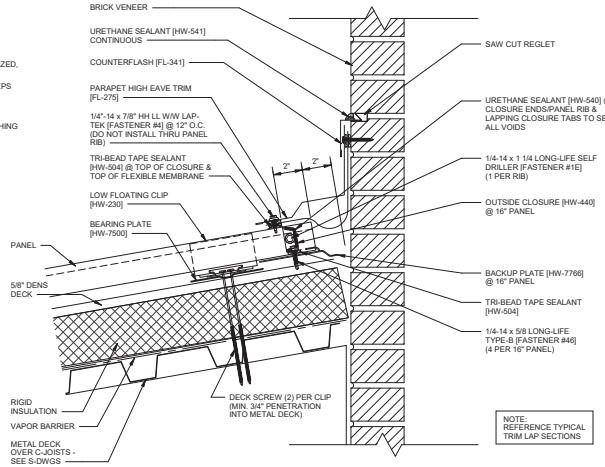
8/3/2022, 4:01:30 PM C:\Revit Local Projects\3042.103_Augusta Museum\3042.103_Architectural_Local_cthrt.rvt



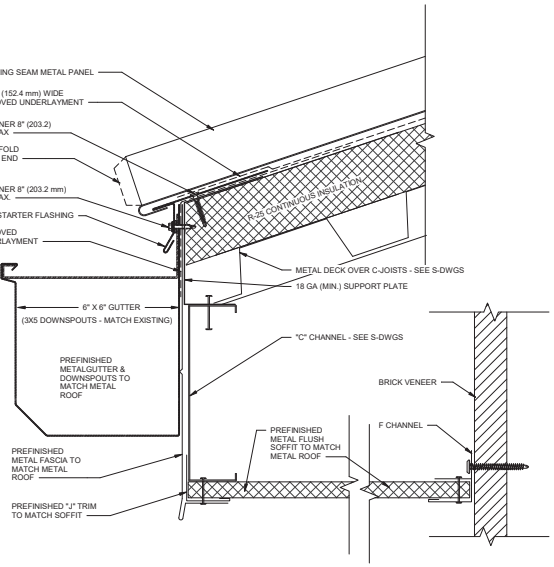
1 A-302 **GABLE EAVE DETAIL**
SCALE: 3" = 1'-0"



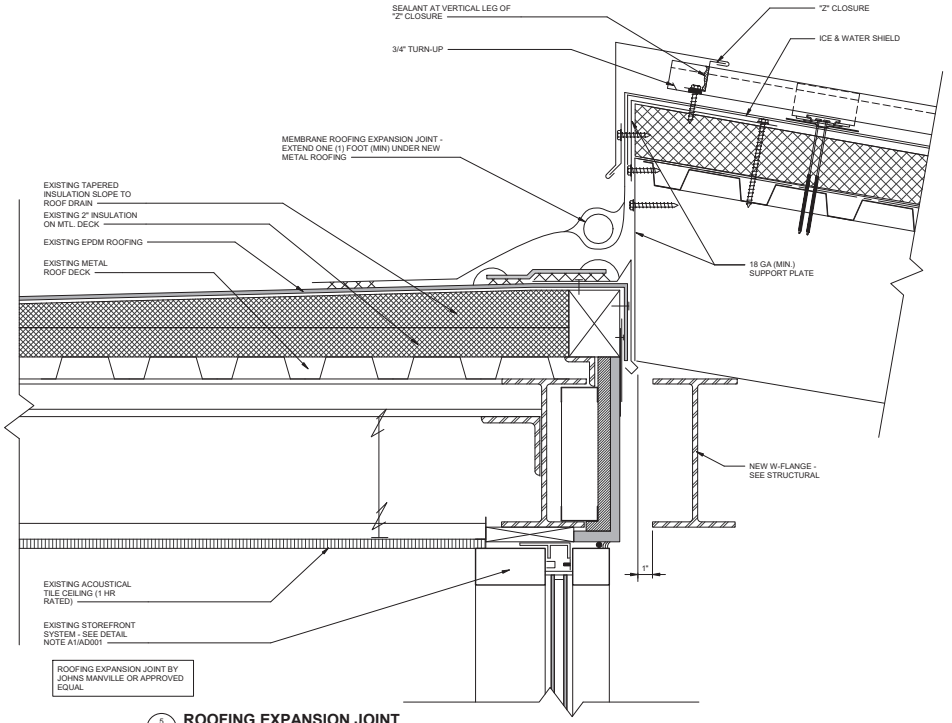
2 A-302 **RAKE DETAIL**
SCALE: 3" = 1'-0"



3 A-302 **HEADWALL DETAIL**
SCALE: 3" = 1'-0"



4 A-302 **GUTTER DETAIL**
SCALE: 6" = 1'-0"



5 A-302 **ROOFING EXPANSION JOINT**
SCALE: 3" = 1'-0"

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PROJECT NO.	3042.2103
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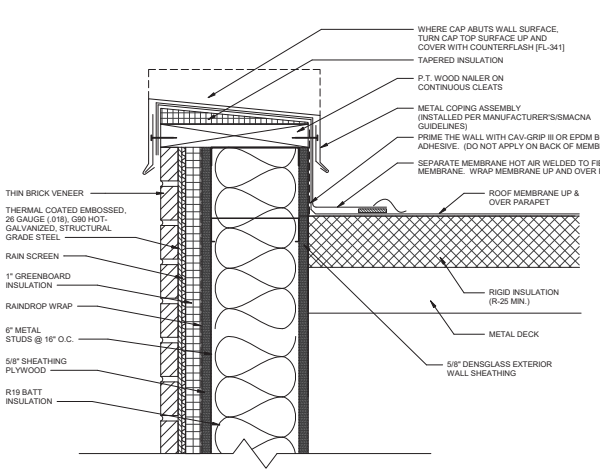
DATE:	08/03/2022

SHEET TITLE: **METAL ROOF DETAILS**

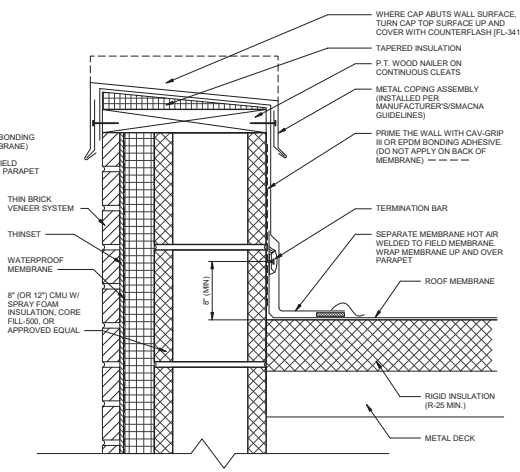
SCALE: AS NOTED

DRAWING NO. **A-302** REV. **0**

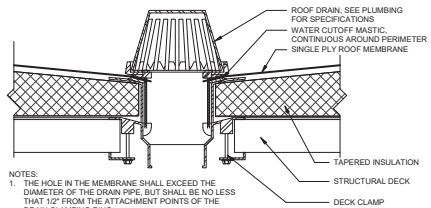
8/3/2022, 8:47:29 AM C:\Revit - Local Projects\3042.2103_Augusta Museum\3042.2103_Architectural_Local_cthrl.rvt



1 A-303 **LOW PARAPET DETAIL - STUD WALL**
SCALE: 3" = 1'-0"

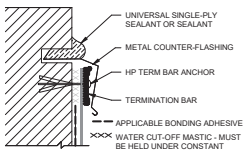


2 A-303 **PARAPET DETAIL - CMU WALL**
SCALE: 3" = 1'-0"

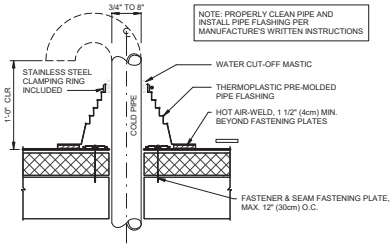


NOTES:
1. THE HOLE IN THE MEMBRANE SHALL EXCEED THE DIAMETER OF THE DRAIN PIPE, BUT SHALL BE NO LESS THAT 1/2" FROM THE ATTACHMENT POINTS OF THE DRAIN CLAMPING RING.
2. ALL BOLTS OR CLAMPS MUST BE IN PLACE TO PROVIDE CONSTANT COMPRESSION ON WATER CUT-OFF MASTIC.
3. ENSURE DRAIN RING IS COMPLETELY CLEAN DOWN TO THE BARE METAL.

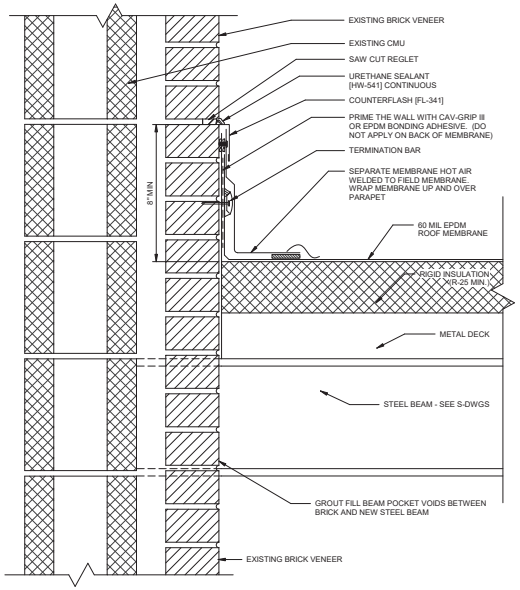
3 A-303 **ROOF DRAIN**
SCALE: 3" = 1'-0"



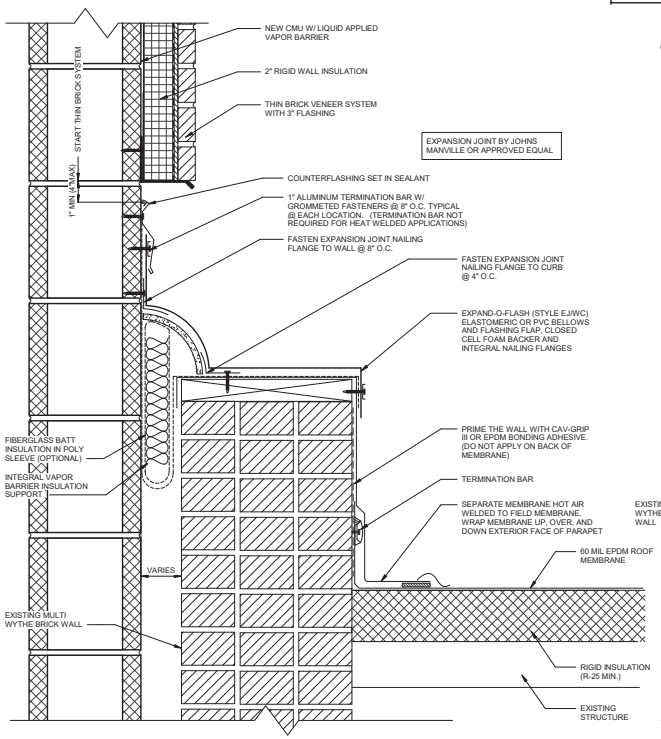
6 A-303 **Tremination w/ Counter Flashing**
SCALE: 6" = 1'-0"



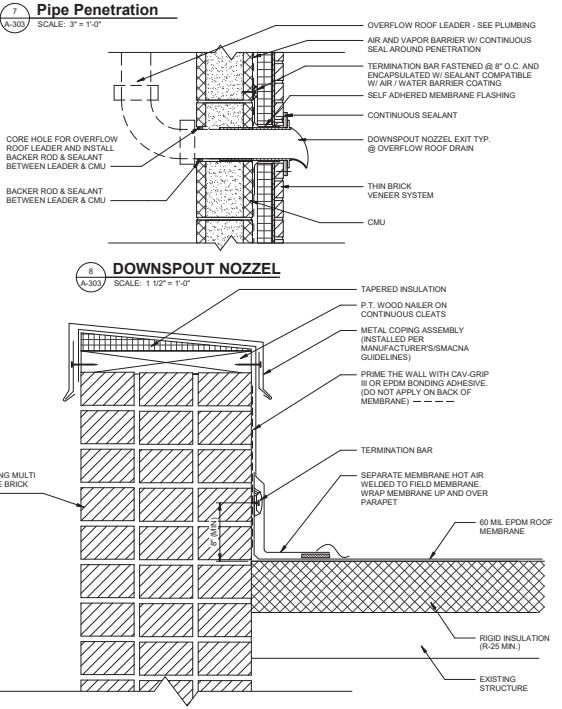
7 A-303 **Pipe Penetration**
SCALE: 3" = 1'-0"



4 A-303 **ROOF TO WALL DETAIL**
SCALE: 3" = 1'-0"



5 A-303 **WALL TO WALL FLASHING**
SCALE: 3" = 1'-0"



8 A-303 **DOWNSPOUT NOZZEL**
SCALE: 1 1/2" = 1'-0"

9 A-303 **PARAPET DETAIL - EXISTING WALL**
SCALE: 3" = 1'-0"

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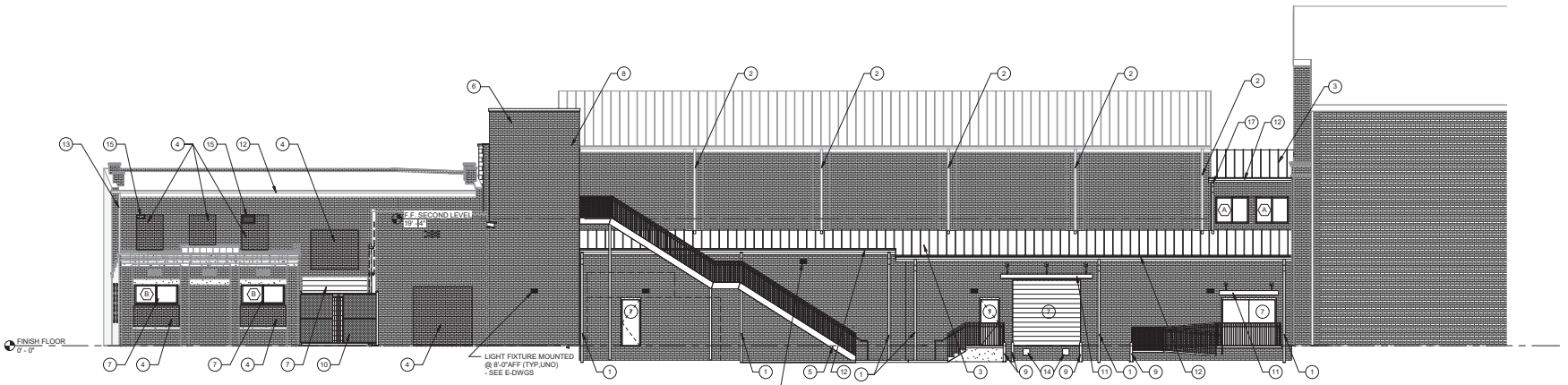
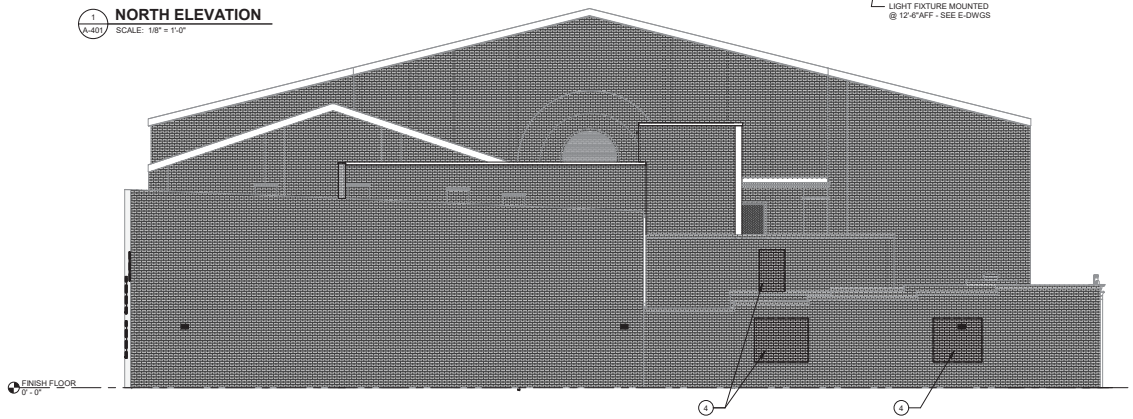
SHEET TITLE: **MEMBRANE ROOF DETAILS**

SCALE: AS NOTED

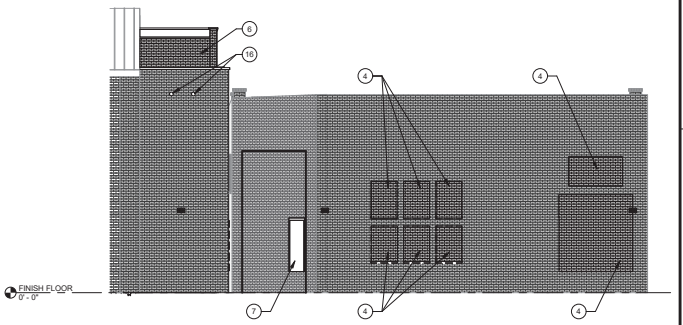
DRAWING NO. **A-303** REV. **0**



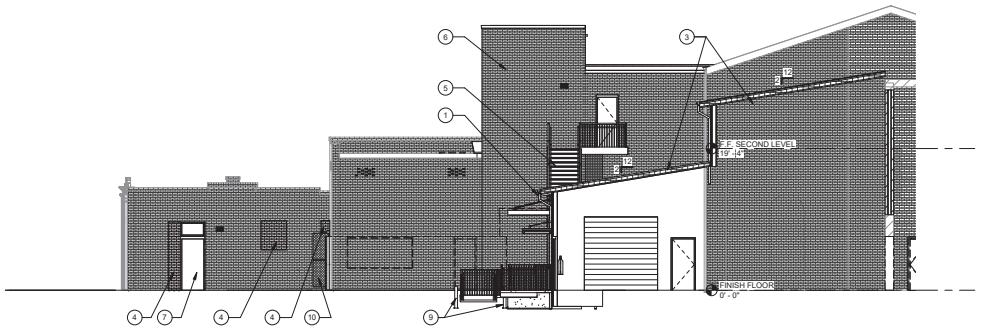
1 A-401 **NORTH ELEVATION**
SCALE: 1/8" = 1'-0"



2 A-401 **EAST ELEVATION**
SCALE: 1/8" = 1'-0"



3 A-401 **SOUTH ELEVATION**
SCALE: 1/8" = 1'-0"



4 A-401 **WEST ELEVATION**
SCALE: 1/8" = 1'-0"

SEE PLANS FOR CONTROL AND EXPANSION JOINT LOCATIONS

AFTER INSTALLATION OF ALL DOORS, WINDOWS, ROOFING, AND ALL EXTERIOR MASONRY WORK IS COMPLETED, PROPERLY CLEAN BUILDING AND APPLY WATER REPELLANT PER SPEC 071900.

EXTERIOR ELEVATION KEY NOTES

1. NEW DOWNSPOUTS - CONNECT NEW DOWNSPOUTS TO UNDERGROUND STORM DRAIN. COORDINATE WITH CIVIL DRAWINGS.
2. EXISTING DOWNSPOUTS - MODIFY EXISTING DOWNSPOUTS TO DISCHARGE ONTO NEW LOWER ROOF.
3. NEW STANDING SEAM METAL ROOF
4. INFILL DOOR OR WINDOW OPENING WITH THIN BRICK AND STUD WALL - SEE WALL TYPE 1 / A-701. INSTALL ALUMINUM SILL FLASHING WITH A HEMMED DRIP EDGE AND A 1/4" H DAM AT INTERIOR. SET SILL FLASHING IN A FULL BED OF SEALANT PRIOR TO INFILL WALL PANEL.
5. NEW STAIRS - SEE A-503
6. ELEVATOR SHAFT - SEE A-503
7. NEW DOORS & WINDOWS - SEE PLANS, A-701 & A-702
8. REWORK EXISTING GUTTER TO DISCHARGE ON NEW ROOF
9. NEW BOLLARDS - SEE C-101
10. NEW GATE - SEE C-DWGS
11. NEW CANOPY - SEE 3/A-503
12. NEW GUTTER - SEE 3/A-302
13. NEW DOWNSPOUT TO NEW CONCRETE SPLASHBLOCK AT GRADE
14. 2 NEW LOADING DOCK BUMPERS - SEE SPECIFICATIONS
15. NEW HVAC LOUVERS - COORDINATE OPENING REQUIREMENTS WITH SELECTED MANUFACTURER. PROVIDE ALL REQUIRED MOUNTING HARDWARE, TRIM, AND FLASHING TO PROVIDE A WATER TIGHT INSTALLATION - SEE SIMILAR DETAILS ON A-702.
16. EMERGENCY OVEFLOW DOWNSPOUT NOZZEL - SEE 8/A-303 & P-DWGS.
17. NEW DOWNSPOUT WITH DISCHARGE ONTO NEW LOWER ROOF.

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DATE:	08/03/2022

SHEET TITLE: **EXTERIOR ELEVATIONS**

SCALE: AS NOTED

DRAWING NO. **A-401** REV. **0**

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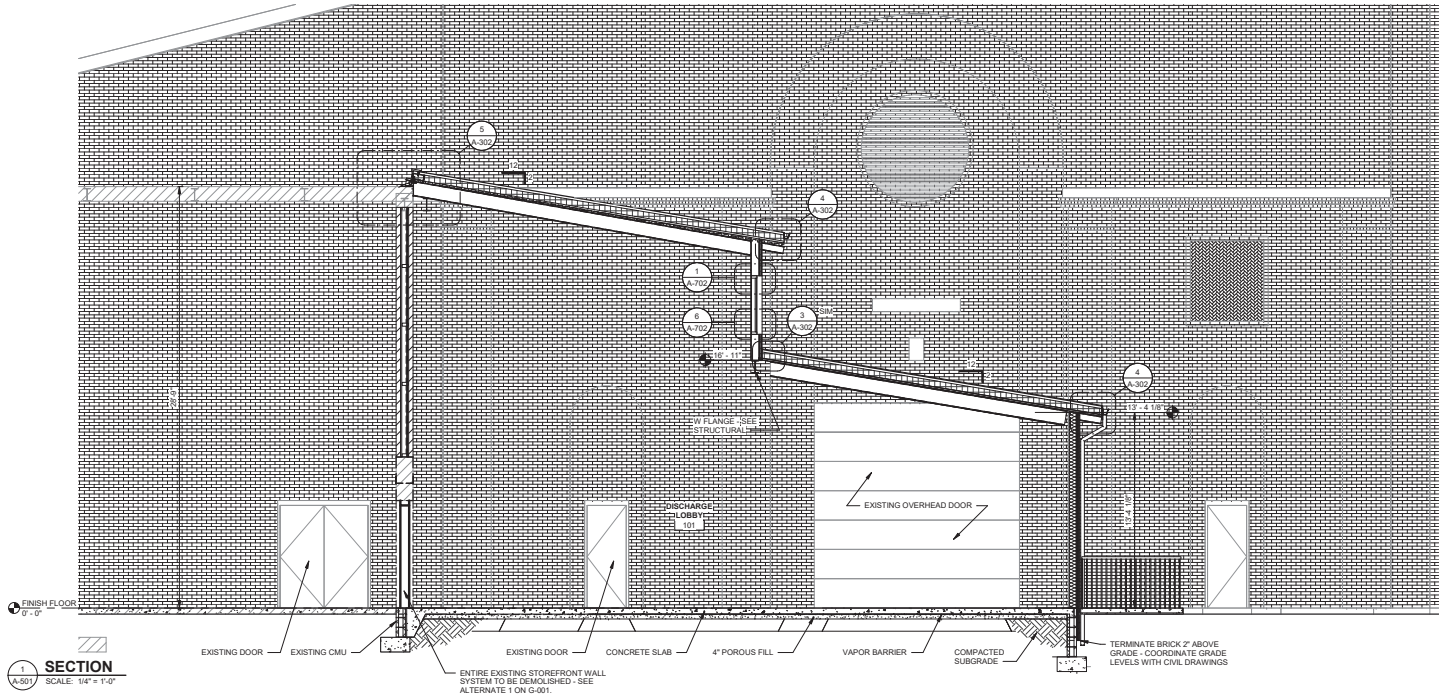
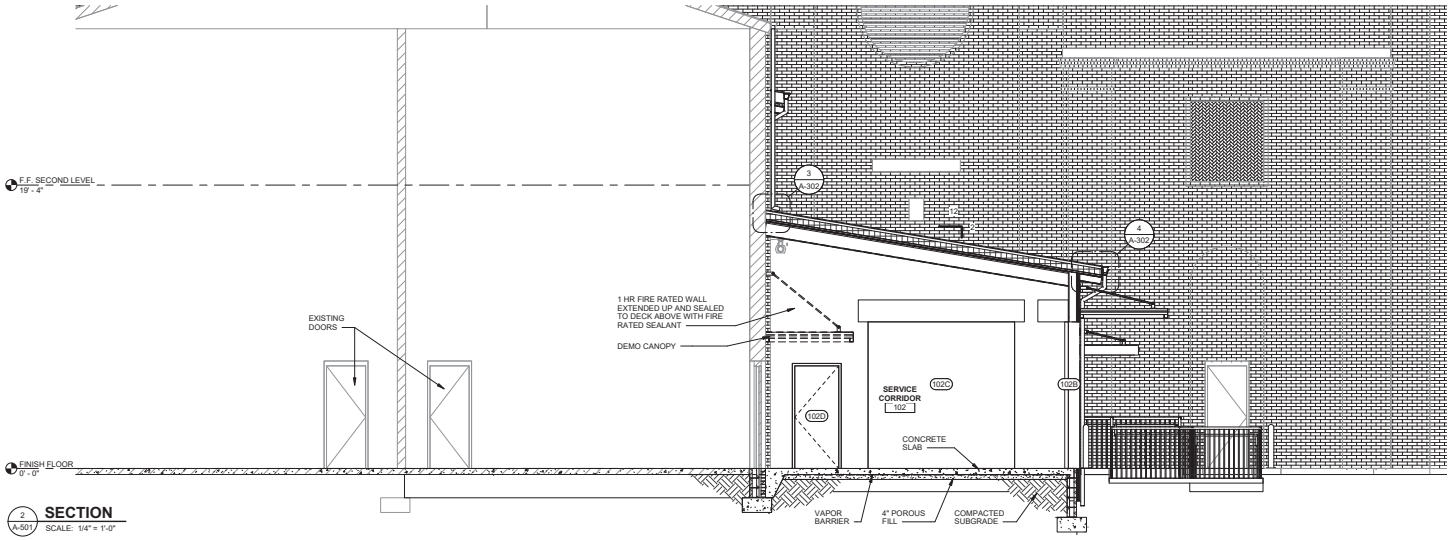


1 A-501 **SECTION**
SCALE: 1/4" = 1'-0"



2 A-501 **SECTION**
SCALE: 1/4" = 1'-0"

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DATE:	08/03/2022

SHEET TITLE: **BUILDING SECTIONS**

SCALE: AS NOTED

DRAWING NO. **A-501** REV. **0**

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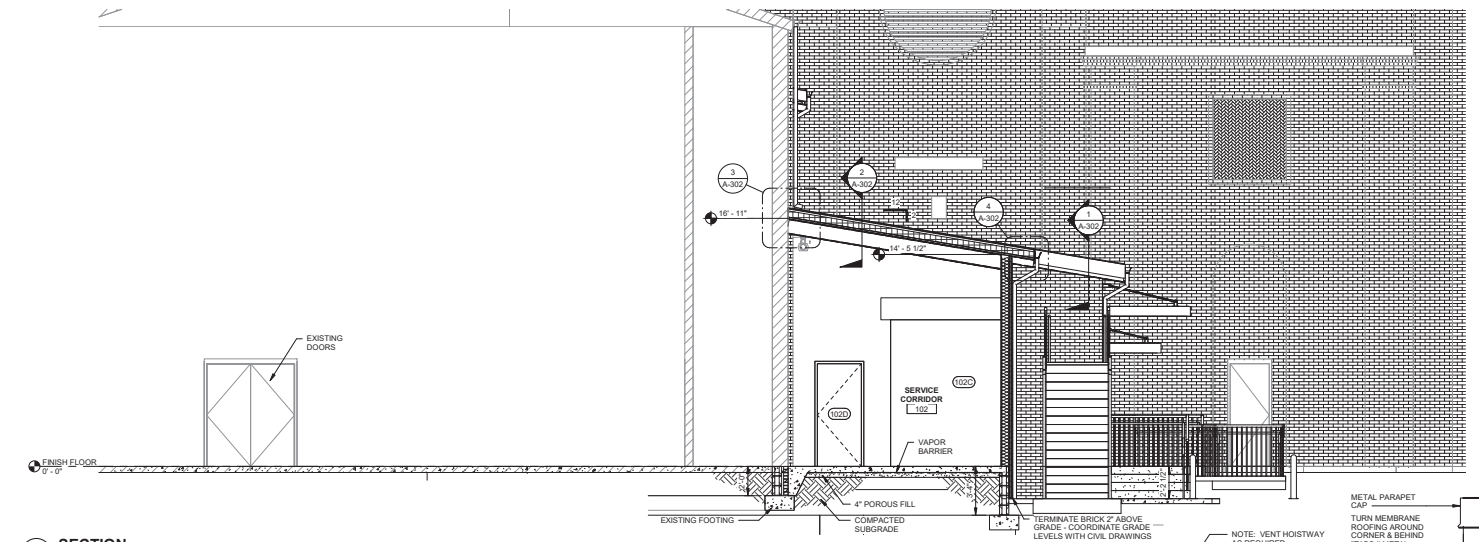

1 A-501 **SECTION**
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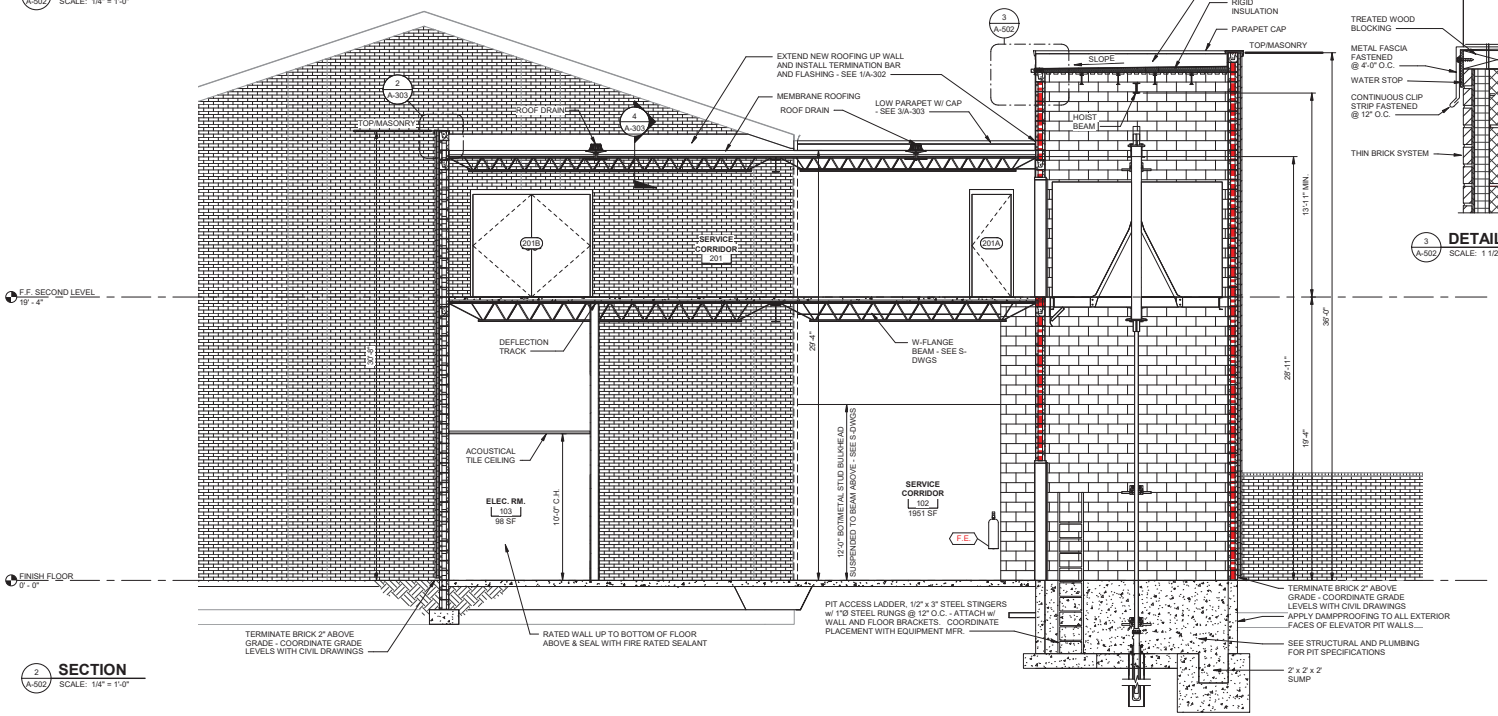

2 A-502 **SECTION**
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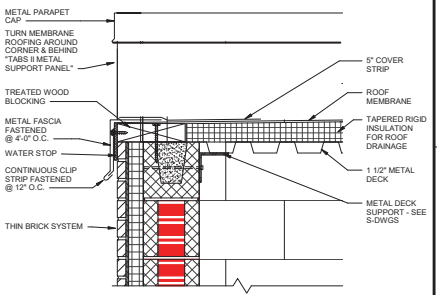

3 A-502 **DETAIL**
SCALE: 1 1/2" = 1'-0"

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SHEET TITLE: **BUILDING SECTIONS**

SCALE: AS NOTED

DRAWING NO. **A-502** REV. **0**

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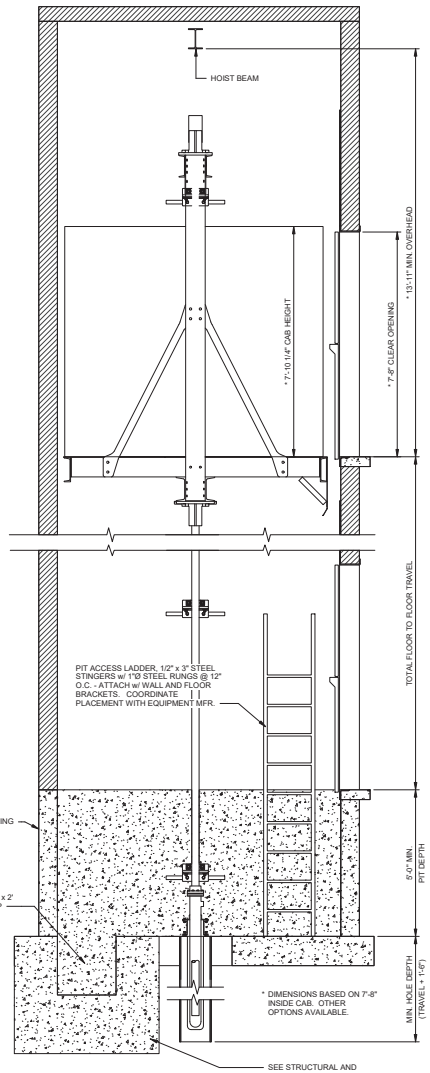
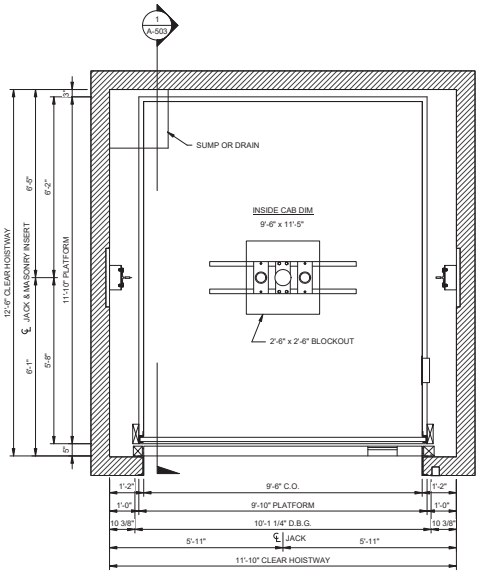
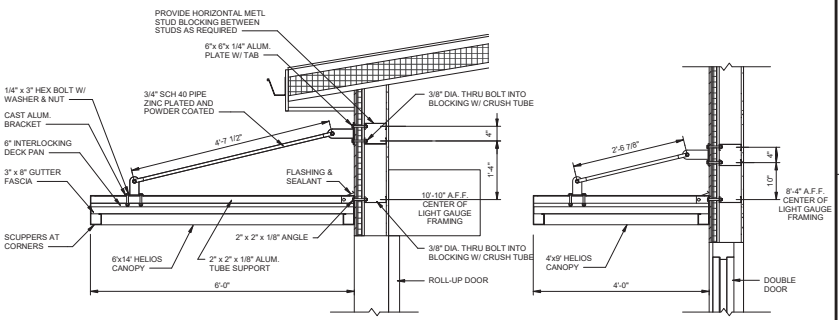


1 A-503 **ELEVATOR SECTION**
SCALE: 1/2" = 1'-0"

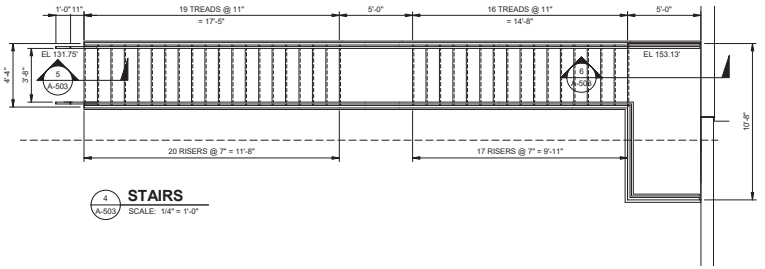
BASIS OF DESIGN: 8000 LBS CAPACITY SINGLE OPENING HYDRAULIC FREIGHT ELEVATOR AS MANUFACTURED BY SCHUMACHER ELEVATOR COMPANY , OR APPROVED EQUAL



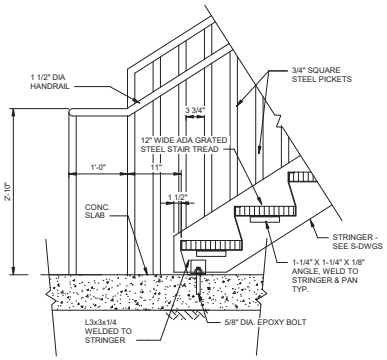
2 A-503 **HOISTWAY PLAN**
SCALE: 1/2" = 1'-0"



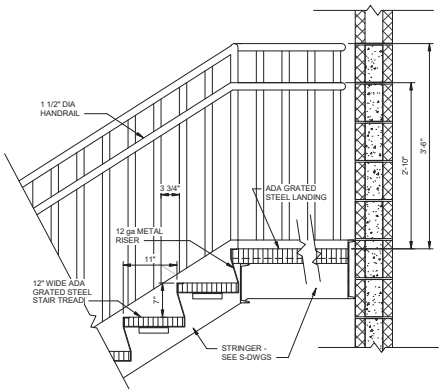
3 A-503 **HELIOS CANOPY SECTIONS**
SCALE: 3/4" = 1'-0"



4 A-503 **STAIRS**
SCALE: 1/4" = 1'-0"



5 A-503 **STAIR LANDING ON CONCRETE - VERTICAL PICKETS**
SCALE: 1" = 1'-0"



6 A-503 **STAIR LANDING**
SCALE: 1" = 1'-0"

SCALE: 1/4" = 1'-0"
SCALE: 1/2" = 1'-0"

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SHEET TITLE:
ELEVATOR & STAIR PLANS & SECTIONS

SCALE: AS NOTED

DRAWING NO. **A-503** REV. **0**

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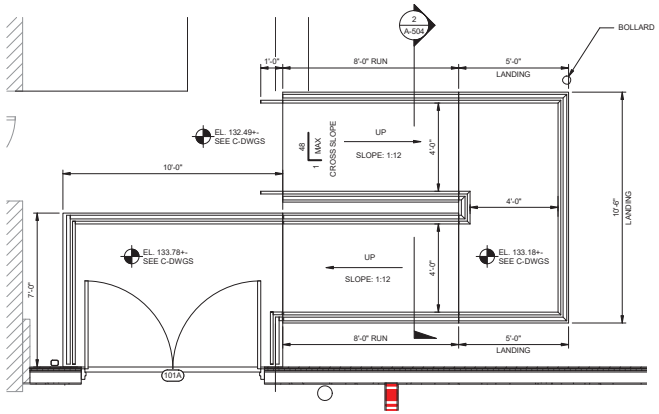
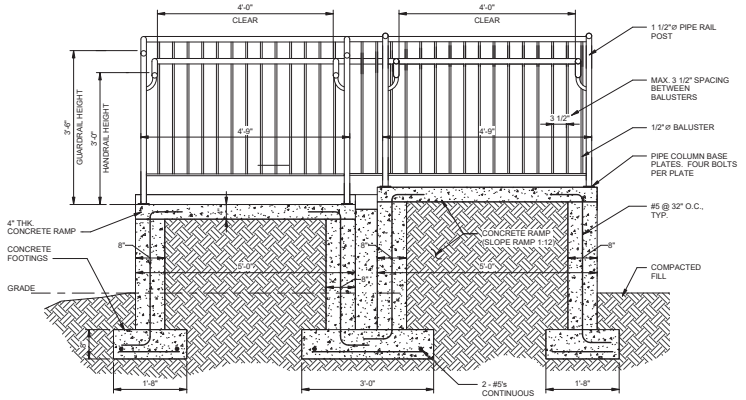
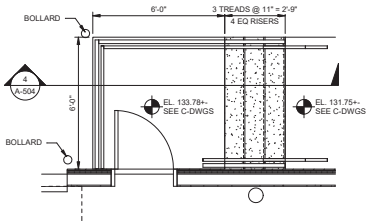


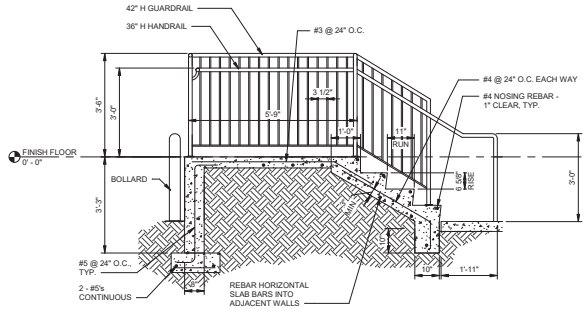
1 A-504 **FRONT RAMP**
SCALE: 3/8" = 1'-0"



2 A-504 **SECTION**
SCALE: 3/4" = 1'-0"



3 A-504 **FRONT STAIRS**
SCALE: 3/8" = 1'-0"



4 A-504 **SECTION**
SCALE: 1/2" = 1'-0"

0 5 1 2 4 6 8 FT.
SCALE: 3/8" = 1'-0"

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CLIENT: AUGUSTA MUSEUM OF HISTORY
560 REYNOLDS ST., AUGUSTA, GA 30901

PROJECT NAME: **AUGUSTA MUSEUM OF HISTORY**

PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

REV.	DATE	BY	DESCRIPTION
0	08/03/22	WLD	ISSUED FOR CONSTRUCTION

PROJECT NO. 3042.2103
DRAWN BY: CTH
CHECKED BY: WLD
DATE: 08/03/2022

SHEET TITLE:
EGRESS STAIRS AND RAMP

SCALE: AS NOTED

DRAWING NO. **A-504** REV. **0**

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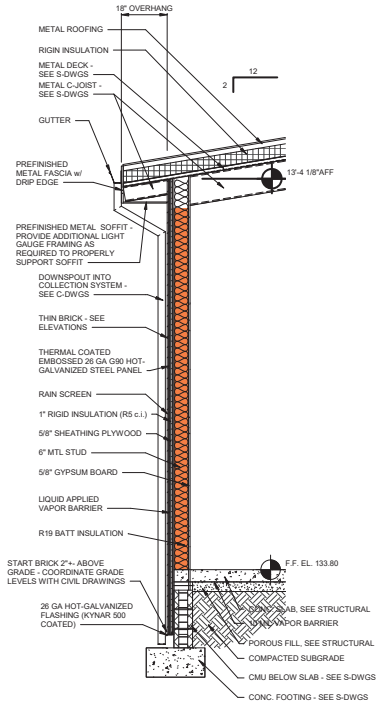
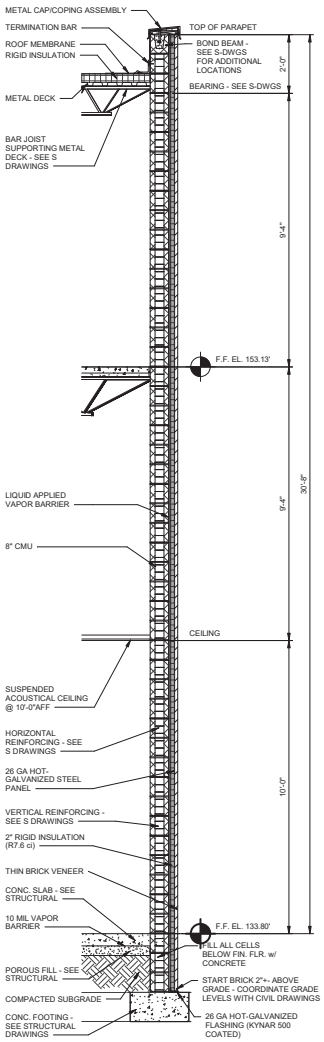


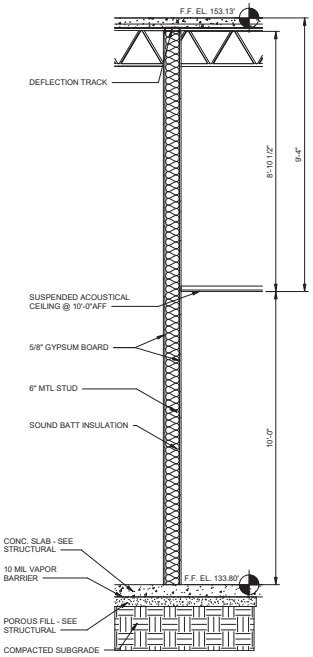
APPLY DAMPPROOFING TO EXTERIOR FACE OF ALL SUBGRADE CMU

1 A-601 **EXTERIOR WALL SECTION - METAL STUD**
SCALE: 1/2" = 1'-0"



APPLY DAMPPROOFING TO EXTERIOR FACE OF ALL SUBGRADE CMU

2 A-601 **EXTERIOR WALL SECTION - CMU**
SCALE: 1/2" = 1'-0"



3 A-601 **INTERIOR WALL SECTION - METAL STUD**
SCALE: 1/2" = 1'-0"

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CLIENT: AUGUSTA MUSEUM OF HISTORY
560 REYNOLDS ST., AUGUSTA, GA 30901

PROJECT NAME: **AUGUSTA MUSEUM OF HISTORY**

PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

REV.	DATE	BY	DESCRIPTION
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PROJECT NO.	3042.2103
DRAWN BY:	CTH
CHECKED BY:	WLD
DATE:	08/03/2022

SHEET TITLE:
WALL SECTIONS

SCALE: AS NOTED

DRAWING NO. **A-601** REV. **0**

8/3/2022, 9:53:08 AM C:\Revit - Local Projects\3042.103_Augusta Museum\3042.103_Architectural_Local_wld.rvt

FINISH LEGEND

ACT:	ACOUSTICAL CEILING TILE	**RB:**	RUBBER / VINYL BASE
CONC:	CONCRETE	**RF:**	RUBBER FLOOR
CPT:	CARPET	**RN:**	RUBBER NOSING
CT:	CERAMIC TILE	**RT:**	RUBBER TILE
CTB:	CERAMIC TILE BASE	**SC:**	SEALED CONCRETE
CWT:	CERAMIC WALL TILE	**SS:**	SOLID SURFACE
EPX:	EPOXY FLOORING	**ST:**	STAIN
EPC:	EPOXY COATING	**STC:**	STAMPED CONCRETE
EPP:	EPOXY PAINT	**SV:**	SHEET VINYL
ETR:	EXISTING TO REMAIN	**TBD:**	TO BE DETERMINED
EXP:	EXPOSED STRUCTURE	**TR:**	TRANSITION STRIP
FRP:	FIBER REINFORCED PANEL	**WC:**	WALL COVERING
GB:	GYPSUM BOARD	**WDB:**	WOOD BASE
GT:	GROUT	**WDF:**	WOOD FLOORING
PT:	PAINT	**VCT:**	VINYL COMPOSITION TILE
PC:	POLISHED CONCRETE	**VP:**	VINYL PLANK FLOORING
PL:	PLASTIC LAMINATE	**VRB:**	VENTED RUBBER BASE

NOTES:

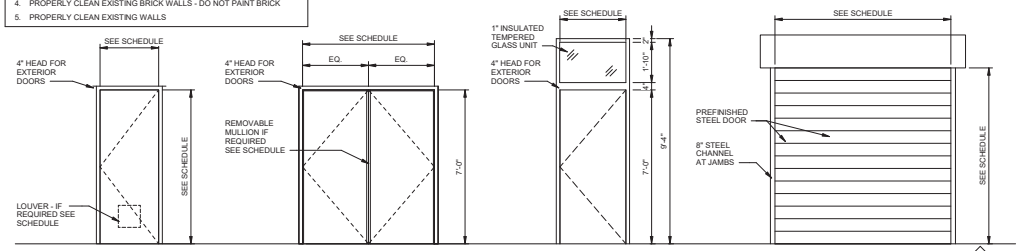
1. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS
2. PROPERLY PROTECT ADJACENT SURFACES DURING DEMOLITION AND PAINTING ACTIVITIES
3. TOILET & SHOWER ROOM WALLS TO RECEIVE EPOXY WALL COATING
4. PROPERLY CLEAN EXISTING BRICK WALLS - DO NOT PAINT BRICK
5. PROPERLY CLEAN EXISTING WALLS

FINISH SCHEDULE

NUMBER	NAME	FLOOR FINISH	BASE	WALL	CEILING MATERIAL	CEILING FINISH	CEILING HEIGHT	COMMENTS
101	DISCHARGE LOBBY	SC	RB	PT - NOTE 4	EXP	--		NOTE 4
102	SERVICE CORRIDOR	SC	RB	PT - NOTE 4	EXP	--		NOTE 4
103	ELEC. RM.	SC	RB	PT	ACT	ACT	10' - 0"	
104	SERVICE ELEVATOR							
105	ELEVATOR EQUIPMENT ROOM	SC	RB	PT - NOTE 4	GB	PT	9' - 0"	NOTE 4
106	SHOWER	SC	RB	PT	GB	PT	10' - 3"	
107	TLT.	SC	RB	PT	GB	PT	10' - 3"	
108	OFFICE	SC	RB	NOTE 5	GB	PT	10' - 3"	
109	STORAGE	SC	--	NOTE 5	GB	PT	10' - 3"	NOTE 5
110	HALL	SC	--	NOTE 5	GB	PT	10' - 3"	NOTE 5
111	STORAGE	SC	--	NOTE 5	GB	PT	10' - 5"	NOTE 5
112	CLEAN SPACE	SC	--	NOTE 5	GB	PT	9' - 0"	NOTE 5
113	UNASSIGNED	SC	--	NOTE 5	GB	PT	10' - 6"	NOTE 5
114	ENTRY	SC	--	NOTE 5	GB	PT	10' - 0"	NOTE 5
115	TOOLS	SC	--	NOTE 5	GB	PT	10' - 0"	NOTE 5
116	WORKSHOP	SC	RB	NOTE 5	EXP	--		NOTE 4
118	UTILITY	SC	--	NOTE 5	GP	PT		NOTE 5
201	SERVICE CORRIDOR	SC	RB	PT - NOTE 4	EXP	--		

DOOR SCHEDULE

DOOR NUMBER	TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR MATERIAL	DOOR FINISH	FIRE RATING	HARDWARE	FRAME MATERIAL	FRAME FINISH	COMMENTS
101A	DF	8' - 0"	7' - 0"	0' - 1 3/4"	HM	PT		1	HM	PT	
101B	CO	6' - 4"	7' - 4"						HM	PT	CASED OPENING
102A	F	2' - 8"	7' - 0"	0' - 1 3/4"	HM	PT		2	HM	PT	
102B	RD	10' - 8"	10' - 0"	0' - 0 1/2"		FF				PT	ROLL-UP DOOR- SEE 7/A-801
102C	RD	10' - 0"	10' - 0"	0' - 0 1/2"		FF	45 MIN			PT	ROLL-UP DOOR- SEE 6/A-801
102D	F	3' - 0"	7' - 0"	0' - 1 3/4"	HM	PT	45 MIN	3	HM	PT	
102E	F	2' - 8"	7' - 0"	0' - 1 3/4"	HM	PT		2	HM	PT	
102F	RD	10' - 0"	10' - 0"	0' - 0 1/2"		FF				PT	ROLL-UP DOOR- SEE 8/A-801
102G	F	2' - 8"	7' - 0"	0' - 1 3/4"	HM	PT		4	HM	PT	
103	F	3' - 0"	7' - 0"	0' - 1 3/4"	HM	ST		5	HM	PT	
105	F	3' - 6"	7' - 0"	0' - 1 3/4"	HM	PT	45 MIN	6	HM	PT	
106	F	2' - 8"	7' - 0"	0' - 1 3/4"	HM	PT		7	HM	PT	COORDINATE WITH EXISTING OPENING
107	F	2' - 8"	7' - 0"	0' - 1 3/4"	SCW	ST		8	HM	PT	
108	FT	3' - 0"	7' - 0"	0' - 1 3/4"	HM	PT		2	HM	PT	W/ TRANSOM WINDOW
114	F	2' - 8"	7' - 0"	0' - 1 3/4"	HM	PT		9	HM	PT	COORDINATE WITH EXISTING OPENING
116A	RD	11' - 1"	10' - 8"	0' - 0 1/2"		FF				PT	ROLL-UP DOOR - SEE 1, 2, & 3/A-801
116B	F	2' - 8"	7' - 0"	0' - 1 3/4"	HM	PT		2	HM	PT	
117	DF	6' - 0"	7' - 0"	0' - 1 3/4"	HM	PT		10	HM	PT	
118	F	2' - 8"	7' - 0"	0' - 1 3/4"	HM	PT		11	HM	PT	
201A	F	2' - 8"	7' - 0"	0' - 1 3/4"	HM	PT		2	HM	PT	
201B	DF	8' - 0"	7' - 0"	0' - 1 3/4"	HM	PT		12	HM	PT	



TYPE F — FLUSH DOOR

TYPE DF — DOUBLE FLUSH DOOR

INSULATED STEEL DOOR WITH ASTRAGAL FOR EXTERIOR

TYPE FT — FLUSH DOOR WITH TRANSOM

TYPE RD — METAL ROLLING DOOR

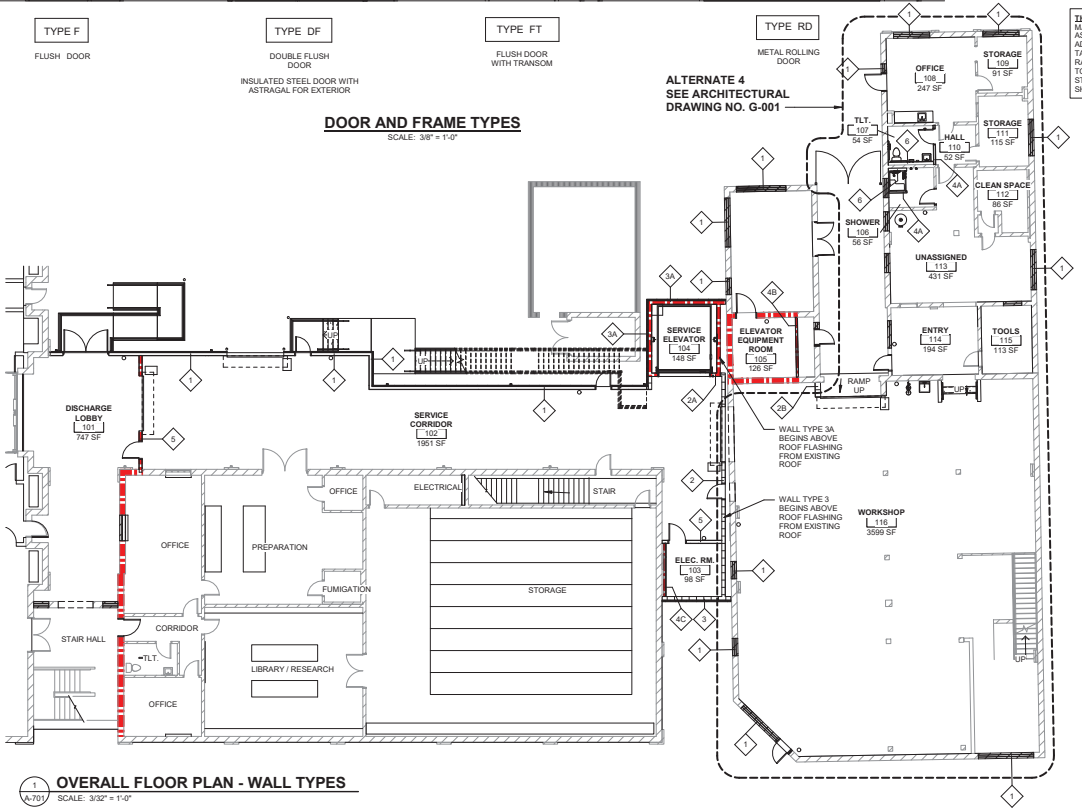
DOOR AND FRAME TYPES

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

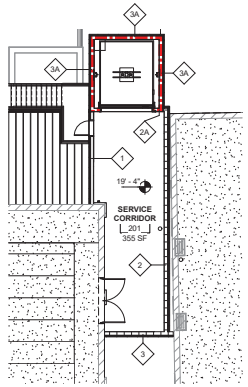
DOOR LEGEND

ALUM:	ALUMINUM	**HM:**	HOLLOW METAL
CO:	CASED OPENING	**ID:**	INSULATED
EXIST/EX:	EXISTING	**PT:**	PAINT
FF:	FACTORY FINISH/ STANDARD COLORS	**SCW:**	SOLID CORE WOOD
FS:	FLUSH STEEL	**ST:**	PREFINISHED/ STAINED
GL:	GLASS	**WD:**	WOOD

THIN BRICK NOTE: PROVIDE COMPLETE "TABS II SYSTEM" AS MANUFACTURED BY TABS WALL SYSTEMS LLC. OR PREAPPROVED EQUAL AS FOLLOWS: TABS II THIN VENEER TIE AND SUPPORT PANEL, TABS II ADHESIVE, TYPE S MODIFIED WITH TABS II MORTAR ADDITIVE MORTAR, TABS II RAIN SCREEN, 1" TABS II GREENBOARD INSULATION, TABS II RAINDROP WRAP, TABS II FLASHING TAPE. TABS II RIGID FLASHING (COLOR TO BE SELECTED). THIN BRICK SHALL BE 1/2" TO 5/8" THICK WITH STANDARD SIZE FACE. PREMANUFACTURED 90 DEGREE CORNER UNITS SHALL BE USED AT CORNERS.

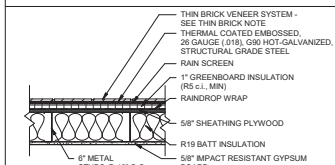


1 A-701 **OVERALL FLOOR PLAN - WALL TYPES**
SCALE: 3/32" = 1'-0"



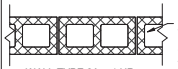
2 A-701 **SECOND FLOOR - WALL TYPES**
SCALE: 3/32" = 1'-0"

WALL TYPES



WALL TYPE 1

SCALE: 1" = 1'-0"

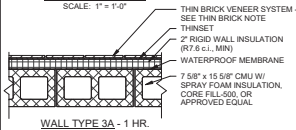


WALL TYPE 2A - 1 HR.

WALL TYPE 2B - 12" BLOCK

WALL TYPE 2

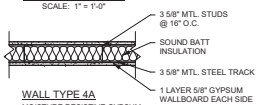
SCALE: 1" = 1'-0"



WALL TYPE 3A - 1 HR.

WALL TYPE 3

SCALE: 1" = 1'-0"



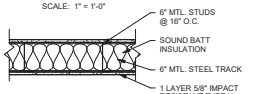
WALL TYPE 4A
MOISTURE RESISTIVE GYPSUM WALLBOARD SHOWER SIDE

WALL TYPE 4B
1 LAYER 5/8" TYPE X GYPSUM WALLBOARD EACH SIDE

WALL TYPE 4C
2 LAYERS 5/8" TYPE X, GYPSUM WALLBOARD ELECTRICAL ROOM SIDE ONLY (SEE UL DESIGN NO V497 ON SHEET G-003)

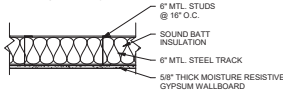
WALL TYPE 4

SCALE: 1" = 1'-0"



WALL TYPE 5

SCALE: 1" = 1'-0"



WALL TYPE 6

SCALE: 1" = 1'-0"

0 1 2 4 8 16 24 32 FT.
SCALE: 3/32" = 1'-0"

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PROJECT NAME: **AUGUSTA MUSEUM OF HISTORY**

PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

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PROJECT NO.	3042.2103
DRAWN BY:	CTH
CHECKED BY:	WLD
DATE:	08/03/2022

SHEET TITLE:

FINISH & DOOR SCHEDULES, DOOR TYPES, & WALL TYPES

SCALE	AS NOTED
DRAWING NO.	A-701
REV.	0

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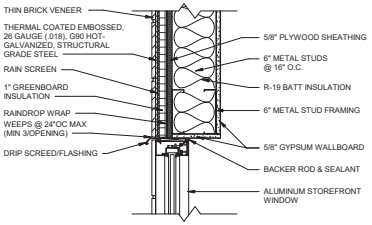
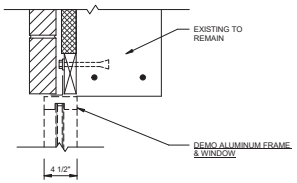
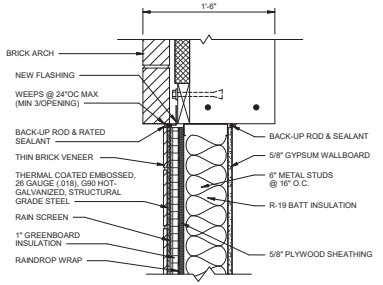


1 A-702 **HEAD DETAIL - METAL STUD**
SCALE: 1 1/2" = 1'-0"

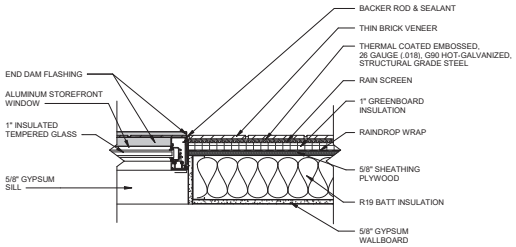


2 A-702 **DEMOLITION HEAD DETAIL**
SCALE: 1 1/2" = 1'-0"

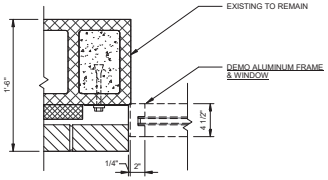


NOTE: AT EXISTING ARCHED WINDOW IN EAST WALL OF "DISCHARGE LOBBY 101" PROVIDE 2 LAYERS OF 5/8" TYPE X GYPSUM WALLBOARD AT INTERIOR WALL SURFACE AND PROVIDE CONTINUOUS FIRE RATED SEALANT AROUND PERIMETER OF INFILL AT BOTH WALL SURFACES.

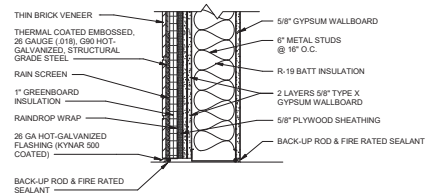
HEAD DETAIL



4 A-702 **JAMB DETAIL - METAL STUD**
SCALE: 1 1/2" = 1'-0"

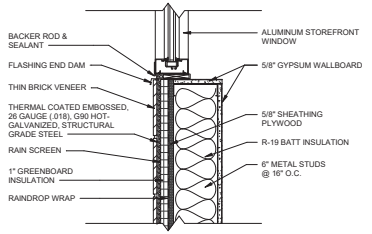


5 A-702 **DEMOLITION JAMB DETAIL**
SCALE: 1 1/2" = 1'-0"

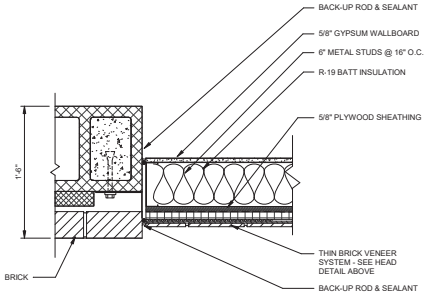


SILL DETAIL

3 A-702 **WINDOW INFILL**
SCALE: 1 1/2" = 1'-0"

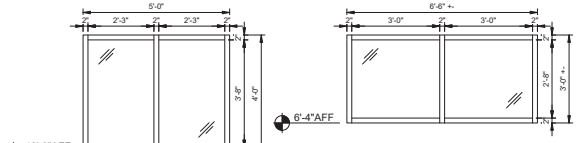


6 A-702 **SILL DETAIL - METAL STUD**
SCALE: 1 1/2" = 1'-0"



NOTE: AT EXISTING ARCHED WINDOW IN EAST WALL OF "DISCHARGE LOBBY 101" PROVIDE 2 LAYERS OF 5/8" TYPE X GYPSUM WALLBOARD AT INTERIOR WALL SURFACE AND PROVIDE CONTINUOUS FIRE RATED SEALANT AROUND PERIMETER OF INFILL AT BOTH WALL SURFACES.

7 A-702 **JAMB DETAIL - WINDOW INFILL**
SCALE: 1 1/2" = 1'-0"



A ALUMINUM STOREFRONT WINDOW W/ 1" INSULATED TEMPERED GLASS UNIT

B ALUMINUM STOREFRONT WINDOW W/ 1" INSULATED TEMPERED GLASS UNIT

8 A-702 **STOREFRONT ELEVATIONS**
SCALE: 1/2" = 1'-0"

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PROJECT NO.	3042.2103
DRAWN BY:	CTH
CHECKED BY:	WLD
DATE:	08/03/2022

SHEET TITLE: **WINDOW DETAILS**

SCALE: AS NOTED

DRAWING NO. **A-702** REV. **0**

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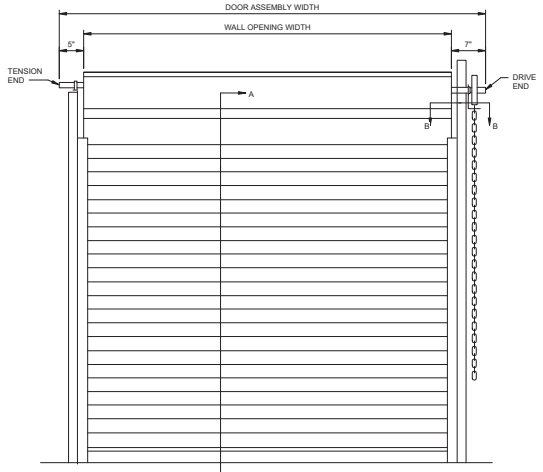
JLA-XXXX-YRA
(c) 20YY JOHNSON, LASCHOBER & ASSOCIATES, P.C.

BASIS OF DESIGN - ROLLING SERVICE DOOR 600 AND FIREKING 630 BY OVERHEAD DOOR OR APPROVED EQUAL



DIMENSIONS A & B
CAW SLAT

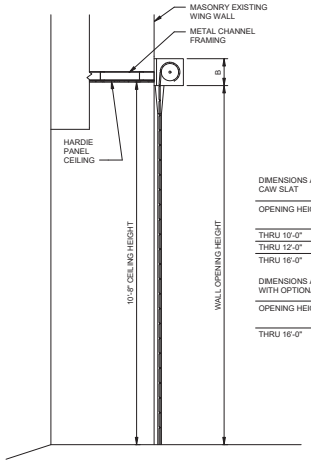
OPENING HEIGHT	OPENING WIDTHS THRU 16'-0"	
	A	B
THRU 11'-0"	13"	15"
THRU 11'-0"	15"	18"

DIMENSIONS A & B
WITH OPTIONAL HOOD AND CAW SLAT

OPENING HEIGHT	OPENING WIDTHS THRU 16'-0"	
	A	B
THRU 16'-0"	15"	18"

O.H. = OPENING HEIGHT
L.C. = LIFT CLEARANCE

1 A-801 **ELEVATION - ROLLING SERVICE - SERIES 600 - DOOR 116A**
SCALE: 1" = 1'-0"



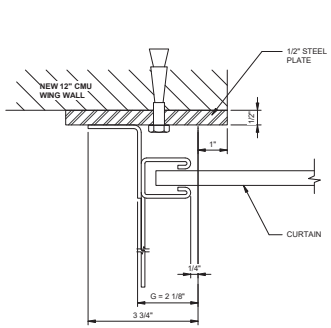
DIMENSIONS A & B
CAW SLAT

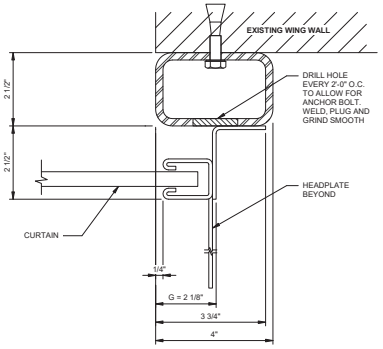
OPENING HEIGHT	OPENING WIDTHS THRU 14'-0"	
	A	B
THRU 10'-0"	10"	13"
THRU 12'-0"	12"	14"
THRU 16'-0"	12"	15"

DIMENSIONS A & B
WITH OPTIONAL HOOD AND CAW SLAT

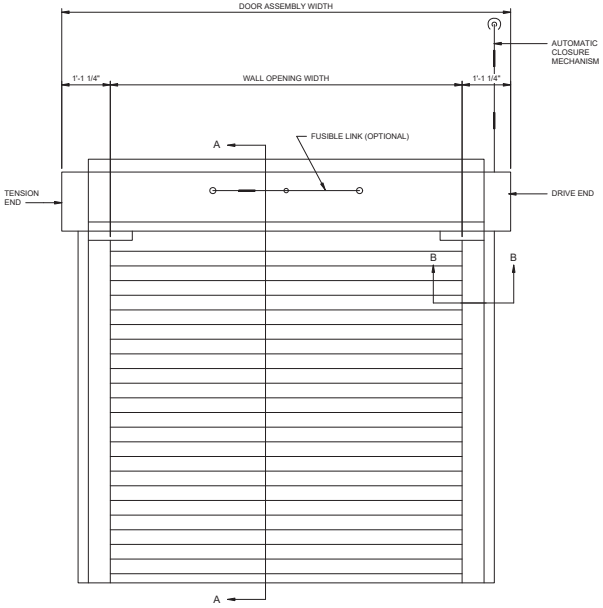
OPENING HEIGHT	OPENING WIDTHS THRU 14'-0"	
	A	B
THRU 16'-0"	15"	16"

2 A-801 **OVERHEAD DOOR SERIES 600 - SECTION**
SCALE: 1/2" = 1'-0"

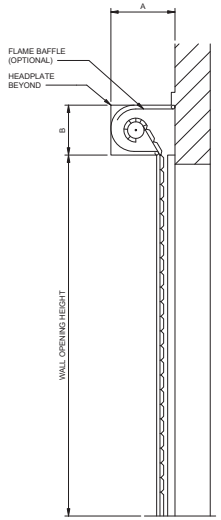




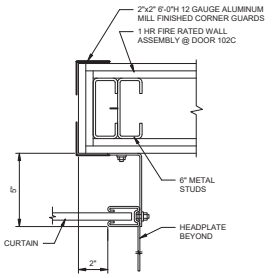
3 A-801 **JAMB DETAILS - DOOR 116A**
SCALE: 6" = 1'-0"



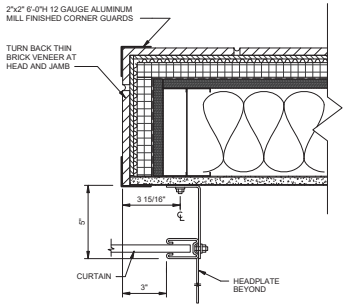
4 A-801 **ELEVATION - FIRE-RATED - FIREKING 630 - DOOR 102C**
SCALE: 3/4" = 1'-0"



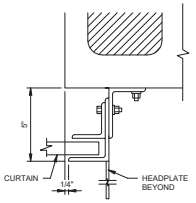
5 A-801 **OVERHEAD DOOR 630 - SECTION**
SCALE: 3/4" = 1'-0"



6 A-801 **STEEL JAMB DETAIL - DOOR 102C**
NO SCALE



7 A-801 **STEEL JAMB DETAIL - EXTERIOR DOOR 102B**
NO SCALE



8 A-801 **MASONRY JAMB DETAIL - DOOR 102F**
NO SCALE

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CLIENT: AUGUSTA MUSEUM OF HISTORY
560 REYNOLDS ST., AUGUSTA, GA 30901

PROJECT NAME: **AUGUSTA MUSEUM OF HISTORY**

PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

REV.	DATE	BY	DESCRIPTION
0	08/03/22	WLD	ISSUED FOR CONSTRUCTION

PROJECT NO.	3042.2103
DRAWN BY:	CTH
CHECKED BY:	WLD
DATE:	08/03/2022

SHEET TITLE:
OVERHEAD DOOR DETAILS

SCALE: AS NOTED

DRAWING NO. **A-801** REV. **0**

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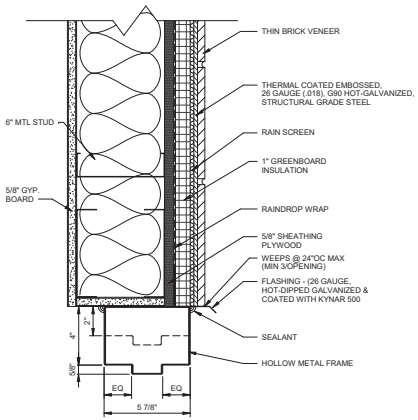
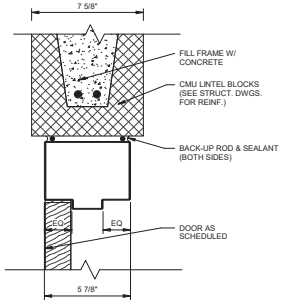
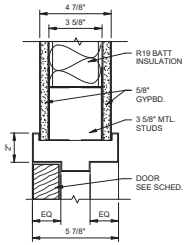


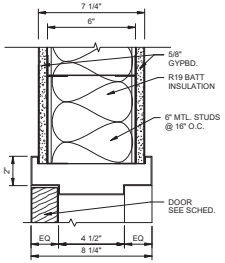
1 A-802 **HEAD DETAIL**
SCALE: 3" = 1'-0"



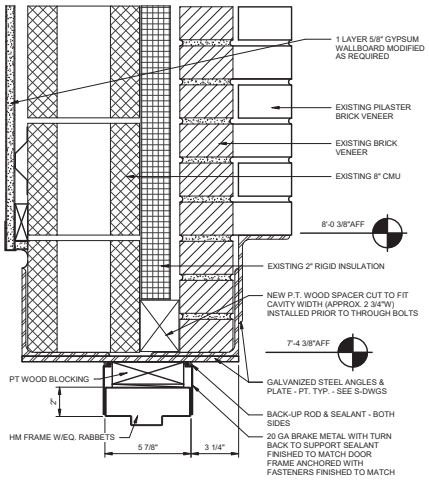
2 A-802 **HEAD DETAIL**
SCALE: 3" = 1'-0"



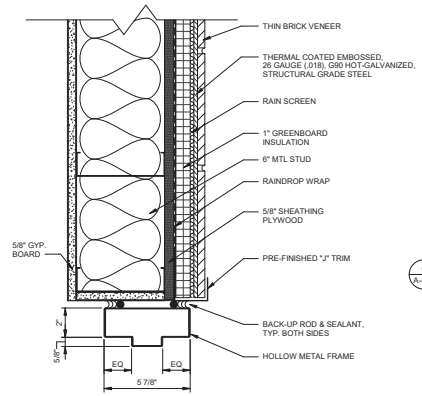
3 A-802 **HEAD DETAIL**
SCALE: 3" = 1'-0"



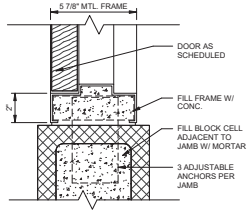
4 A-802 **HEAD DETAIL**
SCALE: 3" = 1'-0"



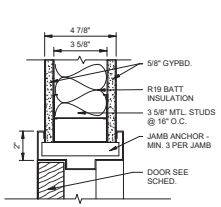
12 A-802 **DOOR 201B HEAD DETAIL**
SCALE: 3" = 1'-0"



5 A-802 **JAMB DETAIL**
SCALE: 3" = 1'-0"



6 A-802 **JAMB DETAIL**
SCALE: 3" = 1'-0"



7 A-802 **JAMB DETAIL**
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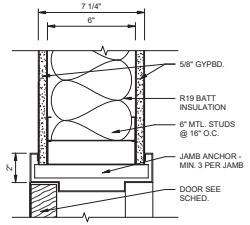

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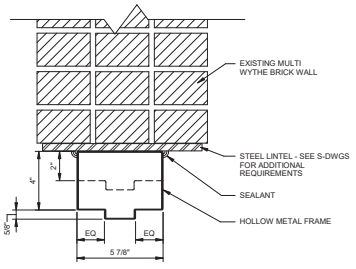
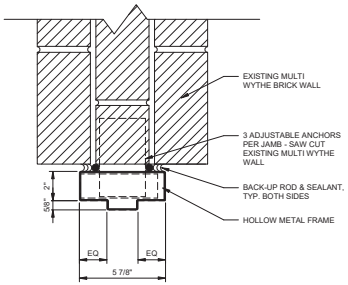
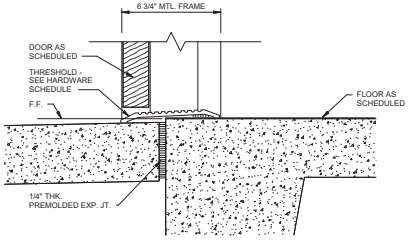


9 A-802 **HEAD DETAIL**
SCALE: 3" = 1'-0"



10 A-802 **JAMB DETAIL**
SCALE: 3" = 1'-0"



11 A-802 **SILL DETAIL**
SCALE: 3" = 1'-0"

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560 REYNOLDS ST., AUGUSTA, GA 30901

PROJECT NAME: **AUGUSTA MUSEUM OF HISTORY**

PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

REV.	DATE	BY	DESCRIPTION
0	08/03/22	WLD	ISSUED FOR CONSTRUCTION

PROJECT NO. 3042.2103
DRAWN BY: CTH
CHECKED BY: WLD
DATE: 08/03/2022

SHEET TITLE:
HOLLOW METAL DETAILS

SCALE: AS NOTED

DRAWING NO. **A-802** REV. **0**

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GENERAL NOTES:

GENERAL

1. THESE GENERAL NOTES PRESENT AND/OR SUMMARIZE KEY PROJECT INFORMATION FOR THE PLAN READER'S CONVENIENCE. SEE PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.
2. ALL REFERENCES TO STANDARDS HEREIN ARE TO MOST RECENT ISSUE IN EFFECT AS OF THE DATE OF THESE DOCUMENTS, UNLESS NOTED OTHERWISE IN PROJECT SPECIFICATIONS.
3. DESIGN BASIS: 2018 INTERNATIONAL BUILDING CODE (IBC) WITH GA AMENDMENTS
   A. GENERAL
      a. RISK CATEGORY = III
      b. WIND:
         ULTIMATE DESIGN WIND SPEED = 113 MPH
         WIND EXPOSURE CATEGORY = B
         INTERNAL PRESSURE COEFFICIENT = 0.18 ± (ENCLOSED BUILDING)
      c. SEISMIC:
         SEISMIC IMPORTANCE FACTOR Ie = 1.0
         MAPPED SPECTRAL RESPONSE ACCEL. (SHORT PERIODS) Ss = 0.26
         MAPPED SPECTRAL RESPONSE ACCEL. (1 SECOND PERIOD) S1 = 0.10
         SITE CLASS = D
         SPECTRAL RESPONSE COEFFICIENT (SHORT PERIODS) SDS = 0.28
         SPECTRAL RESPONSE COEFFICIENT (1 SECOND PERIOD) SD1 = 0.16
         SEISMIC DESIGN CATEGORY = D (DEFAULT)
         ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

      BASIC SEISMIC FORCE RESISTING SYSTEM - ORDINARY REINF. MASONRY SHEAR WALLS
      RESPONSE MODIFICATION FACTOR R = 2.0
      SEISMIC RESPONSE COEFFICIENT Cs = 0.14
      DESIGN BASE SHEAR = 20K

      d. LIVE LOADS:

      ROOF: 20 psf
      FLOOR: 100 psf ELEVATED SECOND FLOOR SLAB
      100 psf SLAB ON GRADE

      e. SNOW LOAD

      GROUND: 5 psf

4. ABBREVIATIONS:

APPROX	APPROXIMATE	FO*	FACE OF *	PLCS	PLACES
B	BOTTOM (BAR)	FS	FAR SIDE	REF	REFERENCE ONLY
B*	BOTTOM OF *	FTG	FOOTING	REINF	REINFORCING
BOF	BOTTOM OF FTG.	GA	GAGE/GAUGE	SPC'S	SPACE/SPACES, SPECS
c/c	CENTER TO CENTER	GR	GUARDRAIL		
CLR	CLEAR	HP	HIGH POINT	STL	STEEL
CONC	CONCRETE	HR	HANDRAIL	SW	SHORT WAYS
(E)	EXISTING (EXIST.)	IE	INVERT ELEVATION	T	TOP (BAR)
EF	EACH FACE	INT	INTERIOR	T*	TOP OF *
EW	EACH WAY	JST	JOIST	T&B	TOP AND BOTTOM
EL	ELEVATION	LG	LIGHT GAGE	TOC	TOP OF CONCRETE
EO*	EDGE OF *	Lg	LONG	TOF	TOP OF FOOTING
EOS	EDGE OF SLAB	LP	LOW POINT	TRS	TRUSS
EQ	EQUAL	LW	LONG WAYS	TYP	TYPICAL
EX	EXISTING	MTL	METAL	UNO	UNLESS NOTED OTHERWISE
EXIST	EXISTING	NS	NEAR SIDE		
EXT	EXTERIOR	OC	ON CENTER	WP	WORK POINT
FIN	FINISH	o/o	OUT-TO-OUT	W*	WITH *
FLR	FLOOR			WD	WOOD

5. UNLESS OTHERWISE NOTED, REQUIREMENTS GIVEN FOR ONE LOCATION ALSO APPLY AT OTHER LOCATIONS AT WHICH CONDITIONS ARE SIMILAR. THE REQUIREMENTS GIVEN SHALL BE ADAPTED TO CONDITIONS AT SIMILAR LOCATIONS.
6. COORDINATE WORK OF OTHER TRADES SHOWN ON DRAWINGS OR INDICATED IN SPECIFICATIONS WITH STRUCTURAL WORK.
7. SHOP DRAWINGS FOR ANY PART OF THE STRUCTURAL WORK SHALL SHOW THE INTERFACE WITH OTHER RELATED TRADES. THE CONTRACTOR SHALL VERIFY DIMENSIONS, LOCATIONS, MATERIALS, ETC. OF RELATED TRADES BY CERTIFIED MANUFACTURER'S DRAWINGS AND SO INDICATE BEFORE SUBMITTING SHOP DRAWINGS FOR ARCHITECT/ENGINEER'S APPROVAL.
8. THE DESIGN OF THE STRUCTURE SHOWN IS BASED ON INTERACTION OF VARIOUS CONNECTED PARTS AND THE DESIGN LOADS NOTED ABOVE. THE STRENGTH AND STABILITY OF CONSTRUCTION UNDERWAY MAY REQUIRE SUPPLEMENTAL TEMPORARY SUPPORTS, BRACING OR OTHER MEASURES. THE CONTRACTOR SHALL DETERMINE THE NEED OF SUCH TEMPORARY SUPPORT DURING CONSTRUCTION AND PROVIDE ALL SUCH MEASURES.

EARTHWORK/FOUNDATION

1. FOUNDATION DESIGN BASIS: BASED ON PRESUMPTIVE VALUES OUTLINED IN IBC 2018, SECTION 1806. ALLOWABLE BEARING CAPACITY IS 1,500 PSF, MAXIMUM.
2. NO BLASTING WILL BE ALLOWED.
3. CONTROL OF GROUND WATER, IF REQUIRED, SHALL BE ACCOMPLISHED IN A MANNER THAT WILL PRESERVE THE STRENGTH OF THE FOUNDATION SOILS, WILL NOT CAUSE INSTABILITY OF THE EXCAVATION SLOPES, AND WILL NOT RESULT IN DAMAGE TO EXISTING STRUCTURES.
4. COORDINATE FOUNDATION WORK WITH ALL OTHER TRADES.
5. PIPES AND OTHER WORK WHICH REQUIRE EXCAVATING OR TRENCHING ADJACENT TO COLUMN FOOTINGS OR PARALLEL TO WALL FOOTINGS, SHALL NOT BE LOCATED BELOW LINES EXTENDING DOWNWARD FROM THE BOTTOM EDGE OF THE FOOTING AT A 45 DEGREE ANGLE FROM HORIZONTAL.
6. EXCAVATIONS FOR FOOTINGS, GRADE BEAMS, MATS AND OTHER FOUNDATIONS BUILT NEXT TO OR AROUND EXISTING FOUNDATIONS, SHALL NOT EXTEND BELOW THE BOTTOM SURFACE OF THE EXISTING FOOTING UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DESIGN DRAWINGS. HOLES ADJACENT TO EXISTING FOOTINGS (CLOSER TO THE FOOTING EDGE THAN THE HOLE DEPTH) CAN NOT BE OVER-EXCAVATED AND FILLED TO ACCOUNT FOR BAD SOIL UNLESS SPECIFICALLY APPROVED BY THE ENGINEER OF RECORD.
7. ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS INCLUDING ELEVATION, SIZE AND THICKNESS OF FOUNDATIONS SHALL BE INDICATED BY THE GENERAL CONTRACTOR ON THE REINFORCING SHOP DRAWINGS. SUCH PROPOSED DEVIATIONS SHALL BE CIRCLED AND NOTED "ENGINEER VERIFY".
8. STRUCTURAL FILL SHALL BE PLACED IN LIFTS NO MORE THAN 8" THICK WITH A COMPACTION OF 95% STANDARD PROCTOR (PER ASTM D-698) MAXIMUM DRY DENSITY.

HISTORIC MASONRY

1. REPAIR AND RETROFIT OF HISTORIC BRICK MASONRY SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
2. UNLESS SPECIFICALLY NOTED OTHERWISE, MISSING OR BROKEN BRICKS IN HISTORIC MASONRY WALLS AND PILASTERS ARE ONLY TO BE REPLACED WITH BRICKS OF THE SAME AGE AND QUALITY (I.E. COMMON OR FIRED) AS THE ORIGINAL BRICKS. IDEALLY, THEY ARE TO BE HARVESTED FROM OTHER AREAS OF THE STRUCTURE SUCH AS NEW WINDOW OR DOOR OPENINGS OR SIMILAR DEMOLISHED SECTIONS OF THE STRUCTURE.
3. NEW BRICK ELEMENTS, SUCH AS WALLS, PILASTERS AND OPENING INFILL'S, ARE TO BE ISOLATED FROM THE ORIGINAL MASONRY CONSTRUCTION SUCH THAT DIFFERENTIAL MOVEMENT IS PERMITTED BETWEEN THE ELEMENTS.
4. NEW CONCRETE ELEMENTS SUCH AS WALLS, PILASTERS AND STRUCTURAL BEAMS ARE TO BE SUPPORTED INDEPENDENTLY FROM THE ORIGINAL MASONRY CONSTRUCTION AND ISOLATED FROM IT SUCH THAT DIFFERENTIAL MOVEMENT IS PERMITTED BETWEEN THE ELEMENTS.
5. NEW BELOW-GRADE CONCRETE FOOTINGS MAY BE CAST DIRECTLY AGAINST HISTORIC CORBELED BRICK FOUNDATIONS.
6. UNLESS NOTED OTHERWISE, PROVIDE AN EXPANSION JOINT BETWEEN NEW GRADE SUPPORTED CONCRETE SLABS AND HISTORIC BRICK WALLS.
7. MODERN CEMENT-BASED MORTAR IS NOT TO BE USED TO REPAIR, REPLACE OR RE-POINT MORTAR IN HISTORIC BRICK WALL CONSTRUCTION. USE MORTAR APPROVED FOR SUCH USE, GENERALLY A LIME PUTTY BASED PRODUCT. SUBMIT TO ENGINEER OF RECORD FOR APPROVAL.
8. EPOXY OR LATEX BASED FLEXIBLE CAULK IS NOT TO BE USED TO RE-POINT BRICK OR FILL CRACKS IN BRICK ELEMENTS. SUCH CAULK MAY BE USED TO SEAL THE JOINT OF WOOD OR METAL ELEMENTS ATTACHED TO AND SUPPORTED FROM THE BRICK.
9. HISTORIC MULTI-WYTHE (LAYERED) BRICK WALLS ARE NOT TO BE PAINTED WITH MODERN EPOXY OR LATEX PAINT, INCLUDING PAINTS PRESENTED AS BEING "BREATHABLE."
10. IF DESIRED, HISTORIC MULTI-WYTHE (LAYERED) BRICK WALLS MAY BE COATED ON THE INTERIOR AND/OR EXTERIOR WITH A LIME WASH (WHITE WASH) PRODUCT APPROVED FOR SUCH USE. THE LIME WASH MAY BE PIGMENTED AS DESIRED.
11. IF DESIRED, HISTORIC MULTI-WYTHE (LAYERED) BRICK WALLS MAY BE COVERED ON THE INTERIOR BY A LIME PUTTY (NOT CEMENT) BASED STUCCO APPROVED FOR SUCH USE.
12. INTERIOR OR EXTERIOR WALL COVERINGS, AS DESIRED, MAY BE ATTACHED TO THE HISTORIC BRICK ELEMENTS BY MEANS OF FURRING STRIPS OR BRACKETS WHICH PROVIDE A MEANS FOR THE BRICK TO BREATH BEHIND THE COVERING.
13. UNLESS NOTED OTHERWISE, ADHERED ROOFING MATERIALS ARE NOT TO BE APPLIED DIRECTLY TO VERTICAL SURFACES OF HISTORIC BRICK PARAPETS.
14. ADHERED ROOFING MATERIALS SHALL NOT BE APPLIED TO THE TOP SURFACE OF HISTORIC BRICK PARAPETS AND/OR CORBELS. TOPS OF THESE ELEMENTS SHALL BE PROTECTED FROM WATER INTRUSION WITH A MECHANICALLY FASTENED CAP OR HISTORICALLY APPROPRIATE AND MORTARED TERRA COTTA WALL CAP.
15. PREVENT WATER FROM RUNNING DOWN THE SIDES OF HISTORIC BRICK WALLS BY MEANS OF GUTTERS, DOWNSPOUTS AND OTHER WATER-CONTROL METHODS.

ALTERNATE 3 AND 4 SEE ARCHITECTURAL DRAWING NO. G-001

SPECIFICATIONS

REFERENCE THE FOLLOWING STRUCTURAL TECHNICAL SPECIFICATIONS FOR CONSTRUCTION INFORMATION AND REQUIREMENTS. CONTRACTOR SHALL COORDINATE WITH OTHER PROJECT TECHNICAL SPECIFICATIONS TO PROVIDE A COMPLETE AND INTEGRATED CONSTRUCTION PROJECT:

033000 - CAST-IN-PLACE CONCRETE
042000FL - UNIT MASONRY
051200 - STRUCTURAL STEEL FRAMING
051213 - ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING
053100 - STEEL DECKING
054000 - COLD-FORMED METAL FRAMING
055000 - METAL FABRICATIONS

GENERAL NOTES - STRUCTURAL TESTS & SPECIAL INSPECTIONS (IBC 2018)

1704 SPECIAL INSPECTIONS

THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

1704.2.3 STATEMENT OF SPECIAL INSPECTIONS

THE REQUIRED PROVISIONS DEFINE THE STRUCTURAL SPECIAL INSPECTIONS APPLICABLE TO THE PROJECT. SEE THE RICHMOND COUNTY STATEMENT OF SPECIAL INSPECTIONS AS REQUIRED FOR PERMIT APPLICATIONS FOR DETAILS AND CHECKLIST.

1704.2.4 REPORT REQUIREMENTS

SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.

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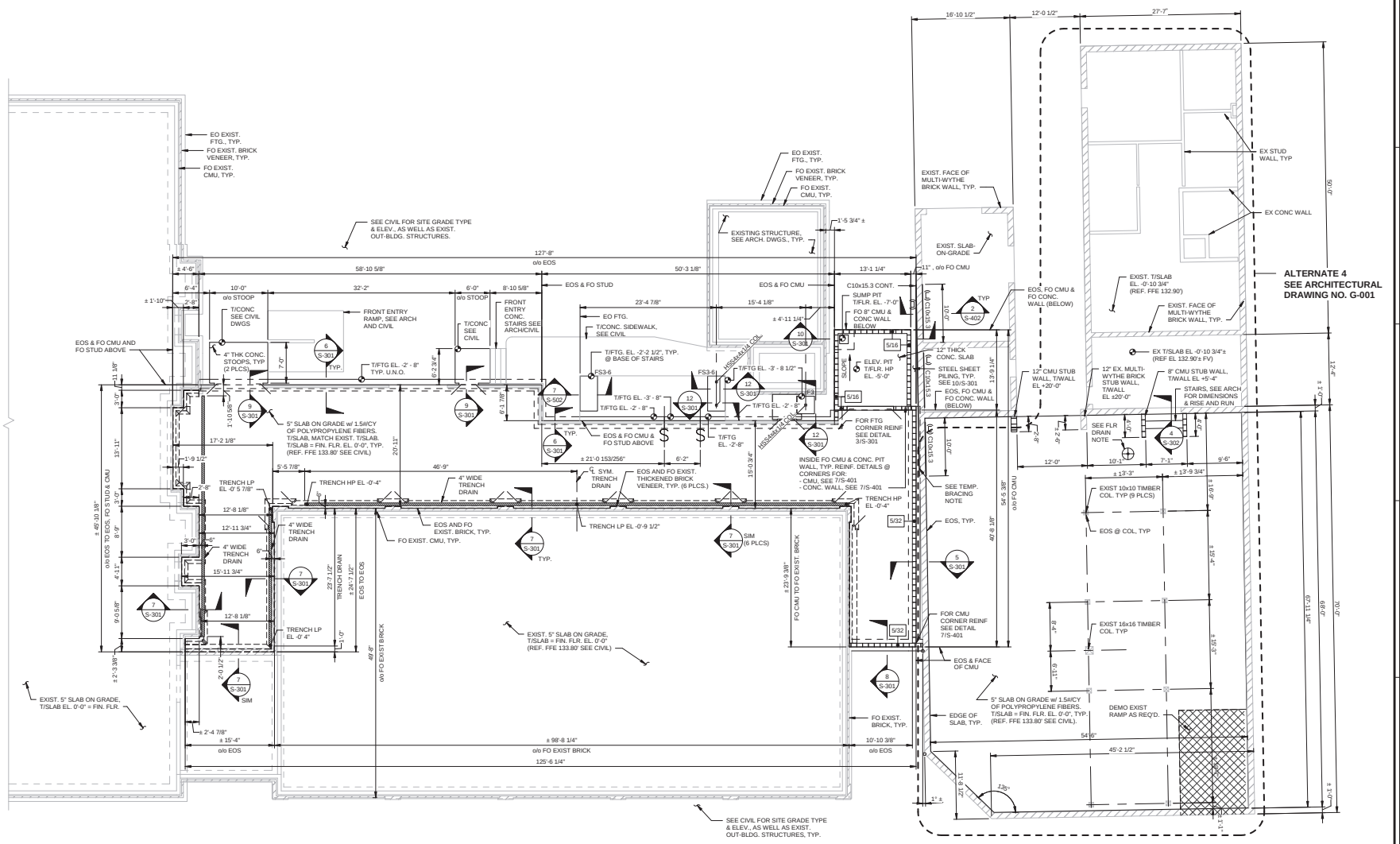
CLIENT: AUGUSTA MUSEUM OF HISTORY
560 REYNOLDS ST., AUGUSTA, GA 30901

PROJECT NAME: **AUGUSTA MUSEUM OF HISTORY**

PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

REV.	DATE	BY	DESCRIPTION
0	08/03/22	MWL	ISSUED FOR CONSTRUCTION

PROJECT NO. 3042.2103
DRAWN BY: THW
CHECKED BY: MWL
DATE: 08/03/2022
SHEET TITLE: **GENERAL NOTES**
SCALE: AS NOTED
DRAWING NO. **S-001**
REV. **0**



FOUNDATION AND SLAB PLAN

1 / S-101

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

SLAB-ON-GRADE LIVE LOAD 1000 PSF

FOOTING SCHEDULE

TYPE	WIDTH	LENGTH	THICKNESS	REINFORCING
F3	3' - 0"	3' - 0"	1' - 0"	3 - #5's E.W. BOTTOM
FS3-6	3' - 0"	6' - 0"	1' - 0"	3 - #5's S.W., 6 - #5's L.W. BOTTOM

LEGEND:

- E.J. - FOR EXPANSION JOINT LAYOUT SEE 1/S-102
- #/## - DENOTES REBAR SIZE & SPACING INSIDE CMU WALLS. SEE PLAN.
- TRENCH DRAIN, SEE DETAIL
- STUD WALL
- EXIST MULTI-WYTHE BRICK WALL
- 8" CMU WALL
- $ - FOR FOOTING STEP (SEE DETAIL 3/S-302)
- FOR DOORWAY RE-ENTRANT BAR (SEE DETAIL 4/S-301)

FLR DRAIN NOTE
- SET 1/2" LOW & DISH DRAIN LOCALLY TO DRAIN. SEE MECH DWGS.

TEMPORARY BRACING NOTE
- INSTALL TEMPORARY WALL REINFORCING CHANNELS PRIOR TO EXCAVATION OF ELEVATOR PIT. DO NOT REMOVE UNTIL CONCRETE PIT WALL HAS CURED FOR AT LEAST 14 DAYS

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

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PROJECT NO. 3042.2103
DRAWN BY: THW
CHECKED BY: MWL
DATE: 08/03/2022
SHEET TITLE: FOUNDATION AND SLAB PLAN
SCALE: AS NOTED
DRAWING NO. S-101
REV. 0

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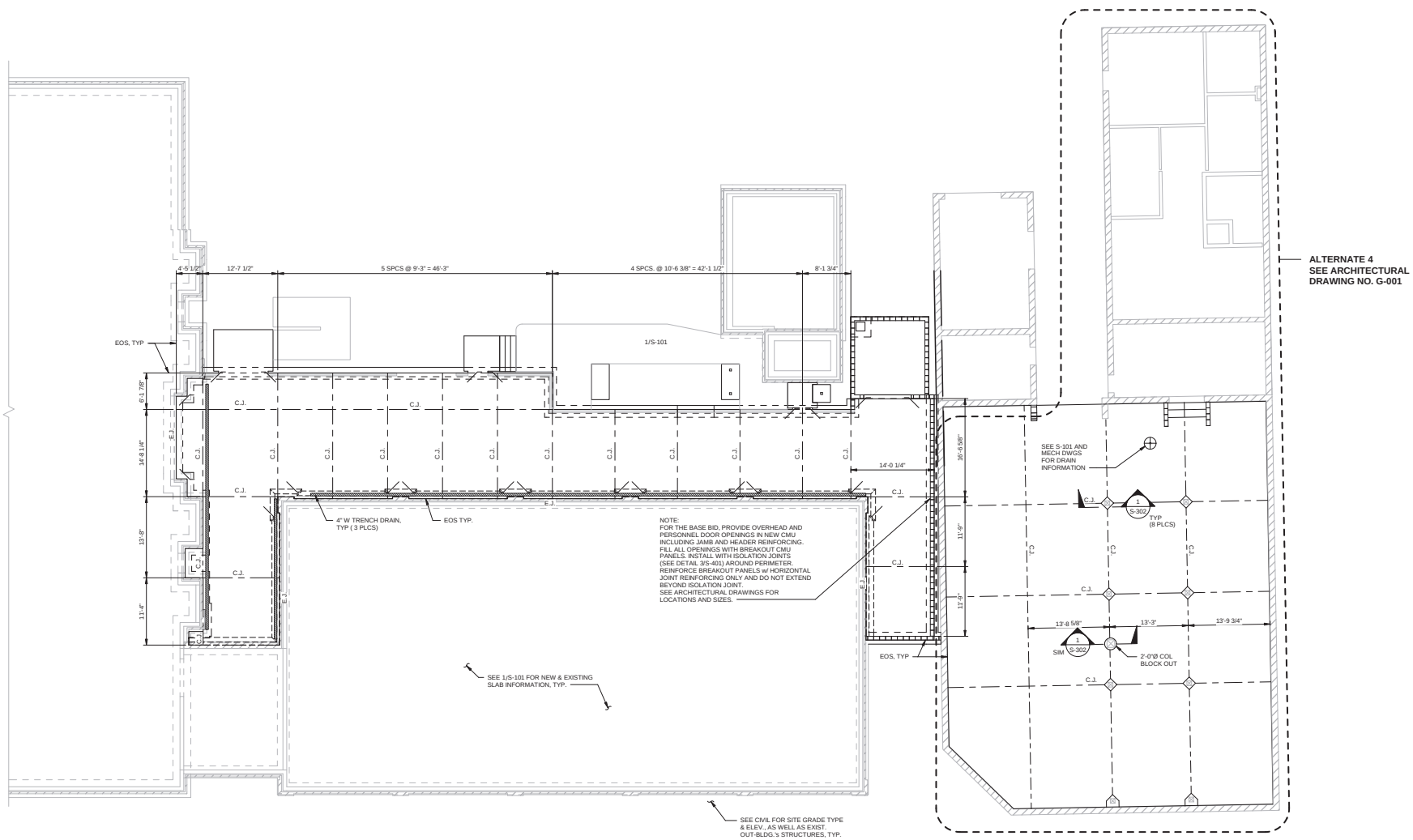

ALTERNATE 4
SEE ARCHITECTURAL DRAWING NO. G-001

1 S-102 CONTROL JOINT LAYOUT PLAN

SCALE: 1/8" = 1'-0"
(FOR SLAB INFORMATION SEE 1/S-101)

LEGEND:

C.J. - CONTROL OR CONSTRUCTION JOINT (SEE SECT. 2/S-301)

E.J. - 1/2" EXPANSION JOINT (SEE SECT. 1/S-301)

- FOR DOORWAY RE-ENTRANT BAR (SEE DETAIL 4/S-301)

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"

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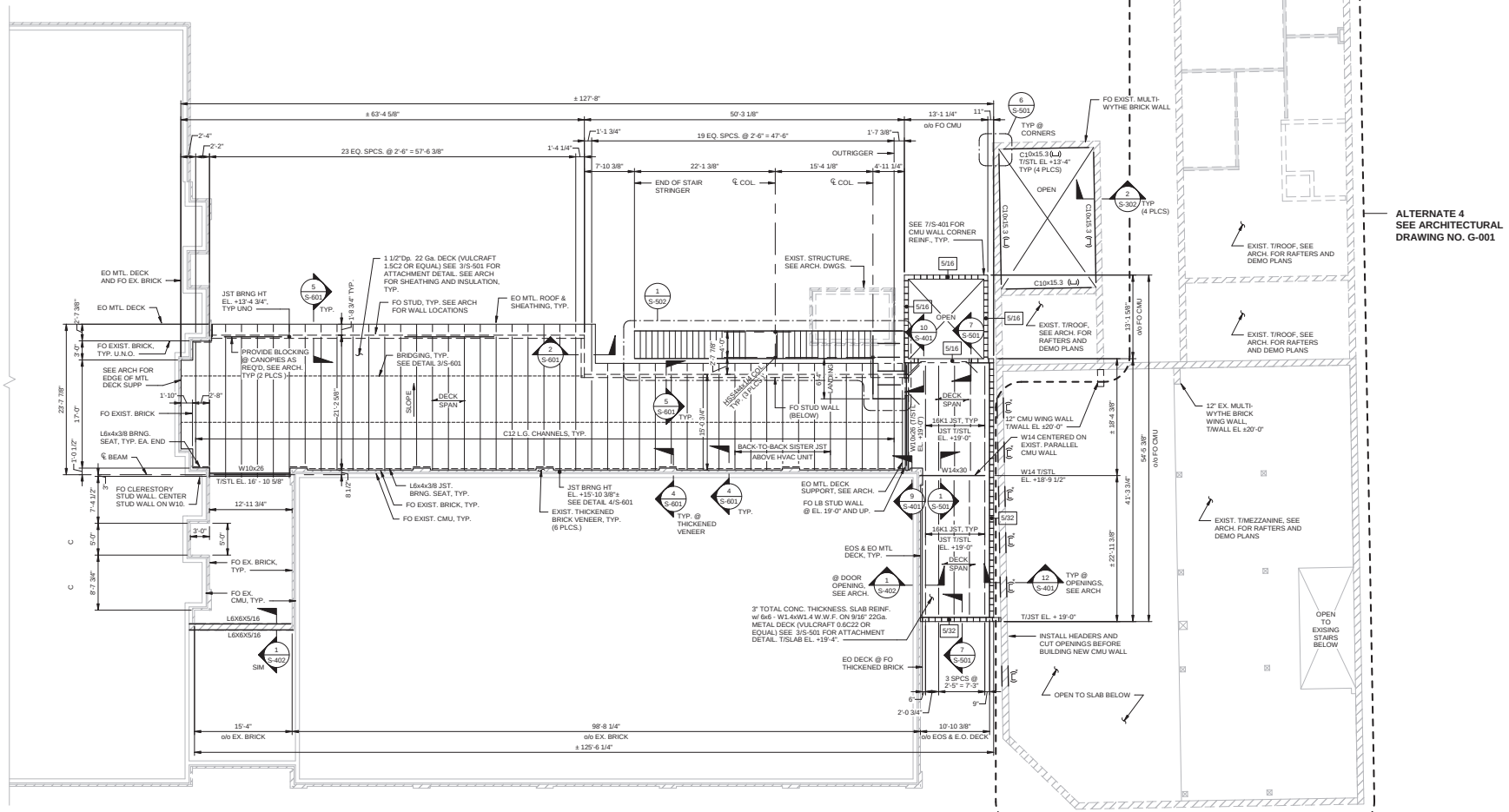
DATE: 08/03/2022
SHEET TITLE: CONTROL JOINT LAYOUT PLAN
SCALE AS NOTED
DRAWING NO. S-102
REV. 0



LEGEND

"(L.L.) - HEADER, SEE ARCH FOR OPENING LOCATIONS. SEE DETAIL 12/S-401 & 3/S-402.
FO - FACE OF (i.e. STUD, CMU)
EO - EDGE OF
EOS - EDGE OF SLAB
\ - FOR DOORWAY RE-ENTRANT BAR (SEE DETAIL 4/S-301)
LB - LOAD BEARING

(T/STL EL. +14'-3" UP TO EL. +19'-0")

1 / S-201 **SECOND FLR. & ROOF LOW FRAMING PLAN**

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

STAIR LIVE LOAD 100 PSF
SECOND FLOOR LIVE LOAD 100 PSF
ROOF LIVE LOAD 20 PSF

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

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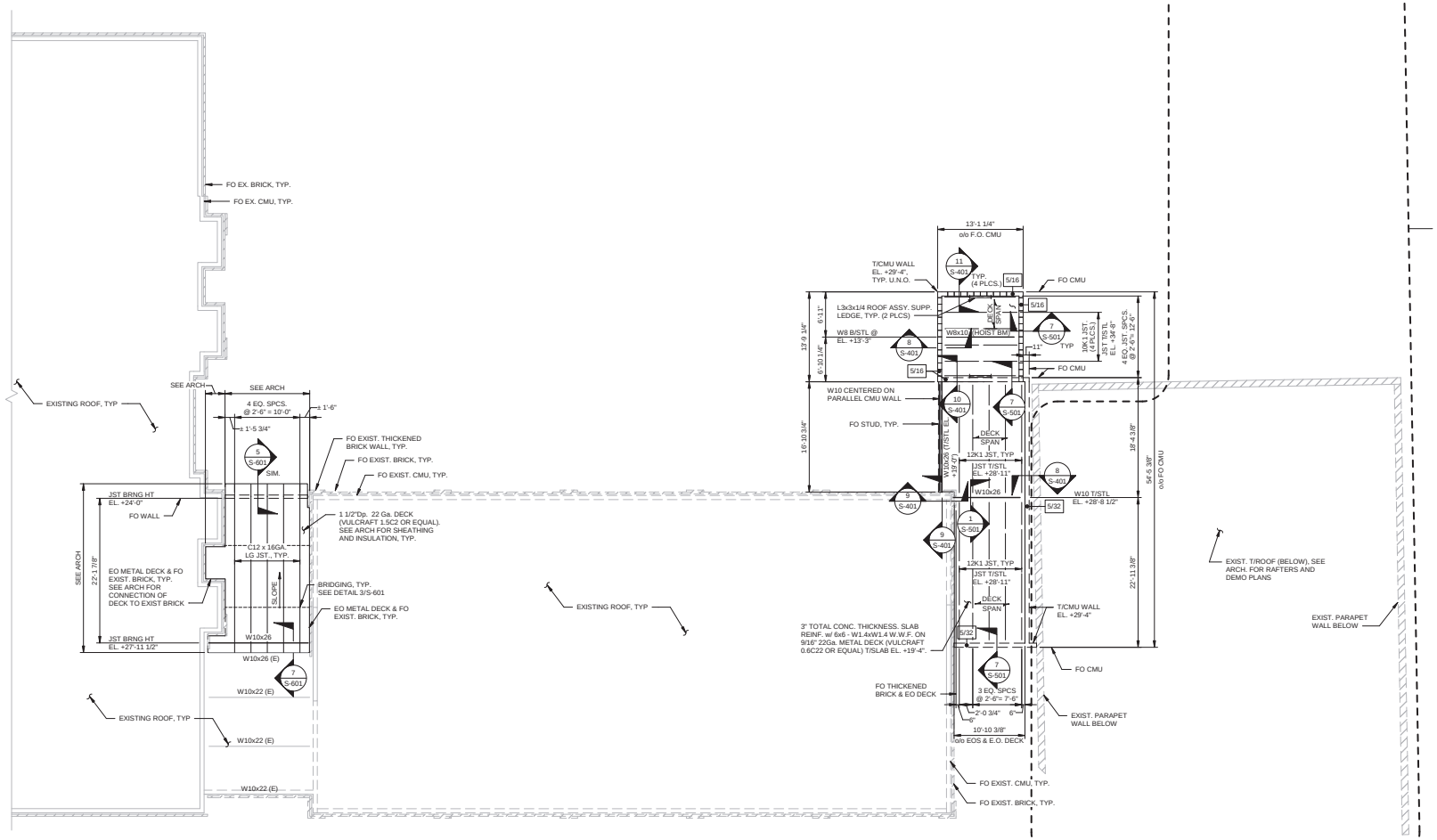
CHECKED BY:	MWL
DATE:	08/03/2022

SHEET TITLE:

SECOND FLOOR AND MONOSLOPE ROOF FRAMING PLAN

SCALE	AS NOTED
DRAWING NO.	S-201
REV.	0

8/3/2022, 4:08:39 PM C:\JLA Projects\3042.2103_Augusta Museum Expansion\S\3042.2103_Structural_Local.rvt



CLERESTORY AND ELEVATOR ROOF FRAMING PLAN

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

(T/STL EL. 19' 2" UP TO EL. 36'-0")

ROOF LIVE LOAD 20 PSF

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

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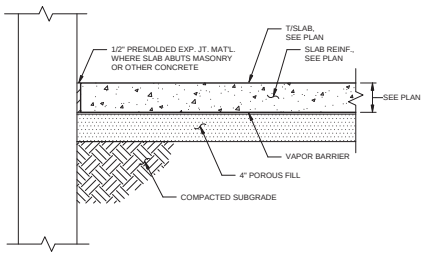
SHEET TITLE: **CLERESTORY & ELEVATOR ROOF FRAMING PLAN**

SCALE: AS NOTED

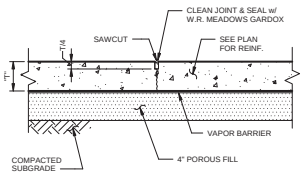
DRAWING NO. **S-202** REV. **0**



(EXPANSION JOINT (E.J.))

SECTION
NO SCALE

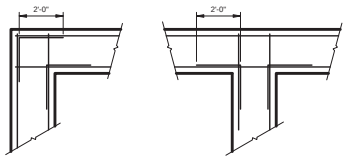
1 S-301



(CONTROL JOINT)

SECTION
NO SCALE

2 S-301

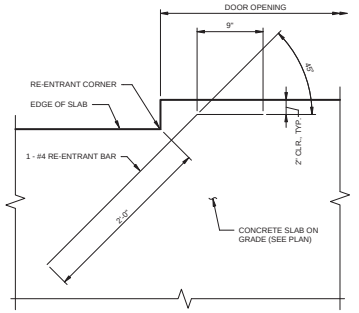


NOTE:
CORNER REINFORCING TO MATCH SIZE AND SPACING OF FOOTING REINFORCING.

(TYP. FTG./GRD. BEAM CORNER REINFORCING)

DETAIL
NO SCALE

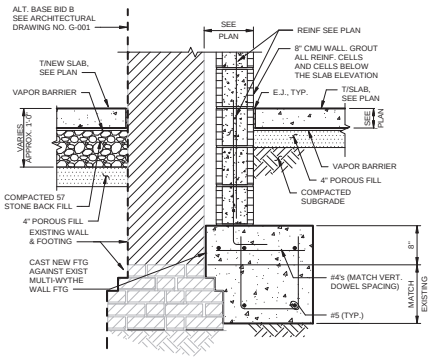
3 S-301



(RE-ENTRANT BAR @ DOOR OPENINGS)

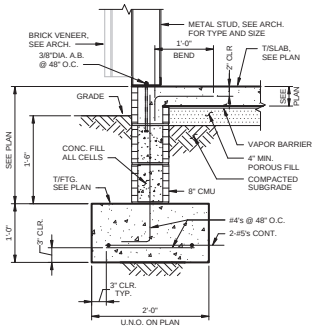
DETAIL
NO SCALE

4 S-301



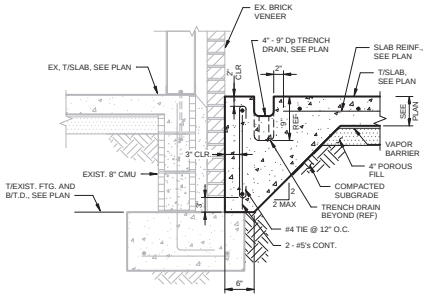
SECTION
SCALE: 1" = 1'-0"

5 S-301



SECTION
SCALE: 1" = 1'-0"

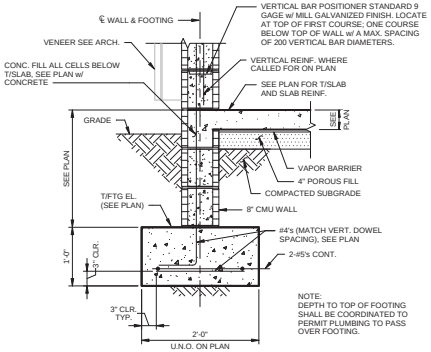
6 S-301



(T.D. CAST AGAINST EXISTING FTG.)

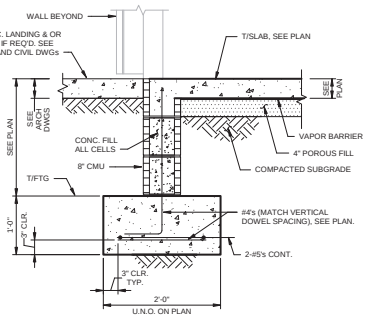
SECTION
SCALE: 1" = 1'-0"

7 S-301



SECTION
SCALE: 1" = 1'-0"

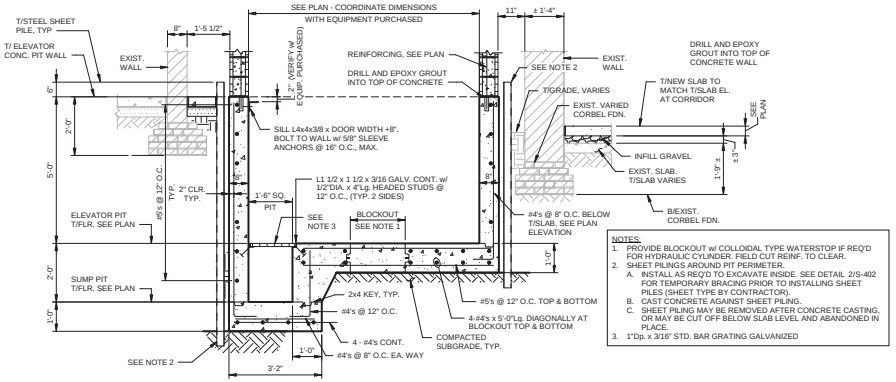
8 S-301



(CONDITIONS AT DOOR OPENINGS)

SECTION
SCALE: 1" = 1'-0"

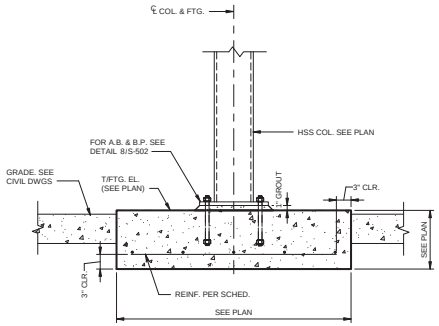
9 S-301



NOTES:
1. PROVIDE BLOCKOUT w/ COLLOIDAL TYPE WATERSTOP IF REQ'D FOR HYDRAULIC CYLINDER. FIELD CUT REINF. TO CLEAR.
2. SHEET PILINGS AROUND PIT PERIMETER.
   A. INSTALL AS REQ'D TO EXCAVATE INSIDE. SEE DETAIL 2/S-402 FOR TEMPORARY BRACING PRIOR TO INSTALLING SHEET PILES (SHEET TYPE BY CONTRACTOR).
   B. CAST CONCRETE AGAINST SHEET PILING.
   C. SHEET PILING MAY BE REMOVED AFTER CONCRETE CASTING, OR MAY BE CUT OFF BELOW SLAB LEVEL AND ABANDONED IN PLACE.
3. 1"Dp. x 3/16" STD. BAR GRATING GALVANIZED

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

10 S-301



SECTION
SCALE: 1" = 1'-0"

12 S-301

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SHEET TITLE:
CONCRETE SECTIONS AND DETAILS SHEET 1 OF 2

SCALE	AS NOTED
DRAWING NO.	**S-301**
REV.	**0**

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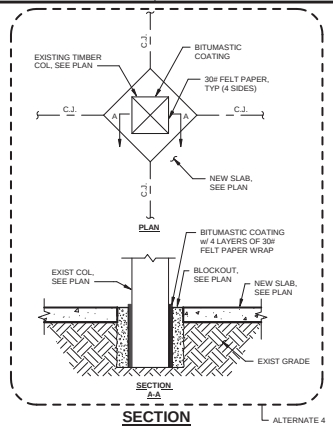
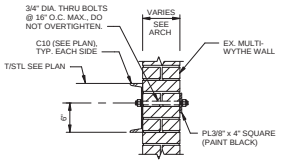


1 S-302

SECTION
NO SCALE

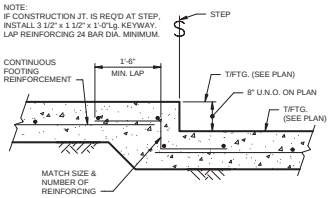
ALTERNATE 4
SEE ARCHITECTURAL DRAWING NO. G-001



2 S-302

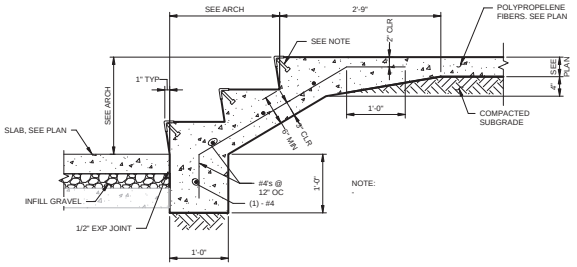
(PERMANENT BRACING)

SECTION
NO SCALE



3 S-302

DETAIL
NO SCALE



4 S-302

SECTION
SCALE: 1" = 1'-0"

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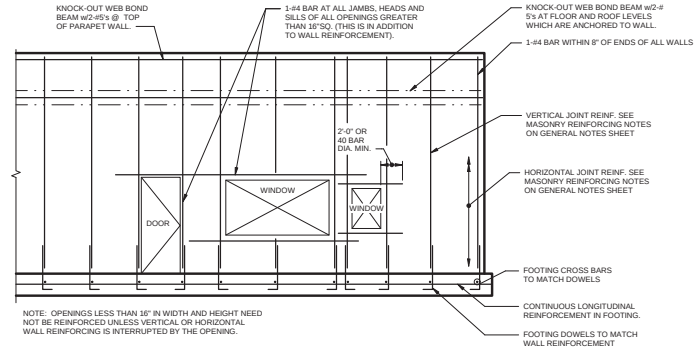
SHEET TITLE:
CONCRETE SECTIONS AND DETAILS SHEET 2 OF 2

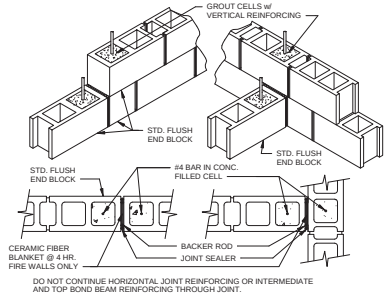
SCALE	AS NOTED
DRAWING NO.	**S-302**
REV.	**0**



(CMU WALL OPENING AND STD. REINF. DETAIL)

DETAIL
NO SCALE

1 S-401



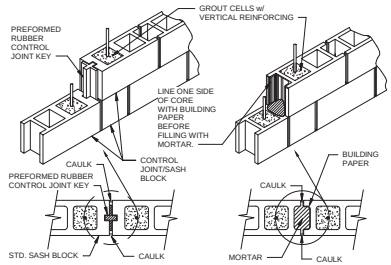
IN CONTINUOUS WALL **AT INTERSECTING WALLS**

MASONRY EXPANSION/ISOLATION JOINT

ISOLATION JOINT APPLIES AT BOTH VERTICAL AND HORIZONTAL "HEADER" JOINTS WHERE INDICATED ON PLAN.

DETAIL
NO SCALE

3 S-401



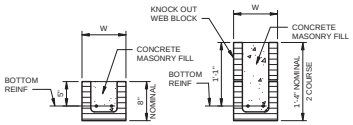
DO NOT CONTINUE HORIZONTAL JOINT REINFORCING OR INTERMEDIATE BOND BEAM REINFORCING THROUGH JOINT. ONLY REINFORCING @ TOP OF WALLS TO BE CONTINUOUS THROUGH JOINT.

MASONRY CONTROL JOINT

TYPE 1 UNLESS NOTED OTHERWISE EITHER TYPE MAY BE USED AT THE CONTRACTOR'S OPTION **TYPE 2**

DETAIL
NO SCALE

4 S-401



NOTES:

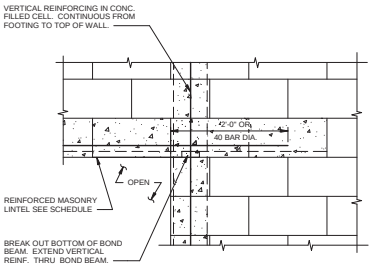
1. BEARING LENGTH AND DISTANCE FROM CLEAR OPENING TO JOINT AT EACH END OF LINTEL SHALL NOT BE LESS THAN 8".
2. FOR DOOR AND WINDOWS OPENING SIZES AND SPANS REFER TO ARCHITECTURAL DRAWINGS. FOR LOUVER OPENINGS AND DUCTS THROUGH WALLS REFER TO MECHANICAL DRAWINGS.
3. LINTELS ARE FOR WALL LOADS ONLY AND SHALL NOT BE USED WHERE POINT LOADS TO WALL ARE LOCATED WITHIN CLEAR SPAN/2 OF TOP OF LINTEL.

MASONRY LINTEL SCHEDULE

CLEAR SPAN	BOTTOM REINFORCING		LINTEL HEIGHT
	W = 8"	W = 12"	
UP TO 6'-0"	2 - #4's	3 - #4's	8"
6'-1" - 8'-0"	2 - #5's	3 - #5's	8"
8'-1" - 10'-0"	2 - #4's	3 - #4's	16"
10'-1" - 12'-0"	2 - #5's	3 - #5's	16"

DETAIL
NO SCALE

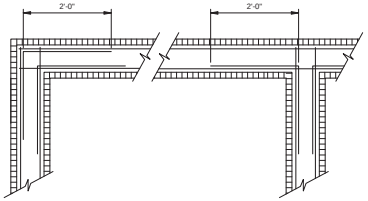
5 S-401



(CMU WALL OPENING CORNER REINF.)

DETAIL
NO SCALE

6 S-401

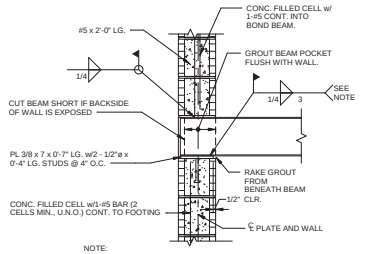


NOTE: CORNER REINFORCING TO MATCH SIZE AND SPACING OF BARS IN BOND BEAM.

TYP. CMU BOND BEAM REINFORCING

DETAIL
NO SCALE

7 S-401

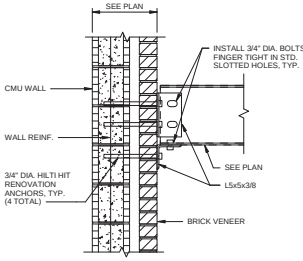


NOTE:
SUBSTITUTE 2 - 3/4"ø PLUG WELDS ON CENTER LINE OF BEARING PLATE, 1 EACH SIDE OF WEB IF BEAM FLANGE IS EQUAL TO OR WIDER THAN BEARING PLATE.

(BEAM PERPENDICULAR TO WALL)

DETAIL
NO SCALE

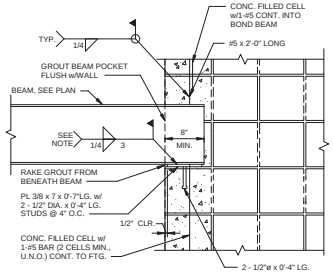
8 S-401



(BEAM BEARING ANCHORED @ EXIST. BRICK VENEER)

SECTION
NO SCALE

9 S-401

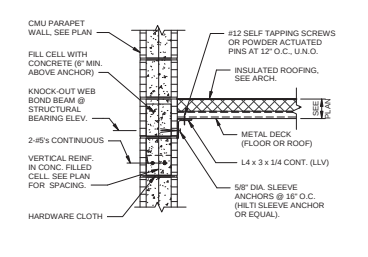


NOTE:
SUBSTITUTE 2 - 3/4" DIA. PLUG WELDS ON CENTER LINE OF BEARING PLATE, 1 EACH SIDE OF WEB IF BEAM FLANGE IS EQUAL TO OR WIDER THAN BEARING PLATE.

(BEAM PARALLEL TO WALL)

SECTION
NO SCALE

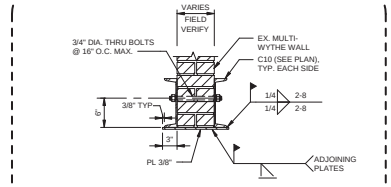
10 S-401



(ROOF BEARING LEDGER ANGLE)

DETAIL
NO SCALE

11 S-401



MODIFICATION NOTES:

1. INSTALL CHANNELS AND THRU BOLTS. (DO NOT OVER TIGHTEN BOLTS).
2. SAWCUT AND REMOVE 3'-0" SECTION +/- OF WALL @ CENTER OF PROPOSED OPENING.
3. INSTALL 3/8" BOTTOM PLATE.
4. ENLARGE OPENING IN 3'-0" INCREMENTS, WORKING FROM CENTER TOWARD BOTH JAMBS. INSTALL 3/8" BOTTOM PLATES AS WORK PROGRESSES.

ALTERNATE 4
SEE ARCHITECTURAL DRAWING NO. G-001

SECTION
SCALE: 1" = 1'-0"

12 S-401

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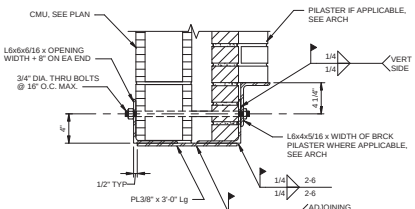
CHECKED BY:	MWL
DATE:	08/03/2022

SHEET TITLE:
MASONRY SECTIONS AND DETAILS SHEET 1 OF 2

SCALE	AS NOTED

DRAWING NO. **S-401** REV. **0**



MODIFICATION NOTES:

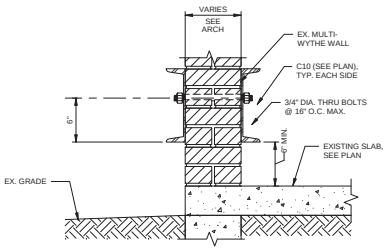
1. INSTALL ANGLES AND THRU BOLTS. (DO NOT OVER TIGHTEN BOLTS). LOCATE BOLTS TO MISS PILASTER BRICK SUPPORT ANGLE.
2. SAWCUT AND REMOVE WALL AT OPENING. WALL OPENINGS > 3'-6" MUST BE DONE IN SECTIONS.
3. ENLARGE OPENING IN 3'-0" INCREMENTS, WORKING FROM CENTER TOWARD BOTH JAMBS. INSTALL 3/8" BOTTOM PLATES AS WORK PROGRESSES.

(FOR OPENINGS LESS THE 10'-0" WIDE)

1 / S-402

SECTION

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



NOTES:

1. TEMPORARY BRACING TO BE INSTALLED PRIOR TO STARTING CONSTRUCTION ON SERVICE CORRIDORS AND SERVICE ELEVATOR. INSTALL CHANNELS AND THRU BOLTS. (DO NOT OVER TIGHTEN BOLTS).
2. ENLARGE OPENING IN 3'-0" INCREMENTS, WORKING FROM CENTER TOWARD BOTH JAMBS. INSTALL 3/8" BOTTOM PLATES AS WORK PROGRESSES.

(TEMPORARY BRACING)

2 / S-402

SECTION

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

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CLIENT: AUGUSTA MUSEUM OF HISTORY
560 REYNOLDS ST., AUGUSTA, GA 30901

PROJECT NAME: **AUGUSTA MUSEUM OF HISTORY**

PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

REV.	DATE	BY	DESCRIPTION
0	08/03/22	MWL	ISSUED FOR CONSTRUCTION

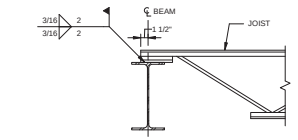
PROJECT NO.	3042.2103
DRAWN BY:	THW
CHECKED BY:	MWL
DATE:	08/03/2022

SHEET TITLE:

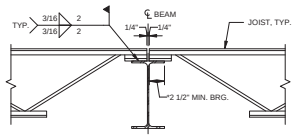
MASONRY SECTIONS AND DETAILS SHEET 2 OF 2

SCALE	AS NOTED
DRAWING NO.	S-402
REV.	0

8/3/2022, 4:05:54 PM C:\JLA_Projects\3042.2103_Augusta Museum Expansion\04-2203_Structural_Local\structural.rvt



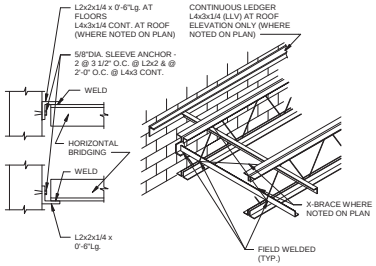
LAPPED BEARINGS ON STEEL BEAM



BUTTED BEARINGS ON STEEL BEAM

*IF 2 1/2" MIN. BRG. CAN NOT BE ACHIEVED, USE LAP BEARING

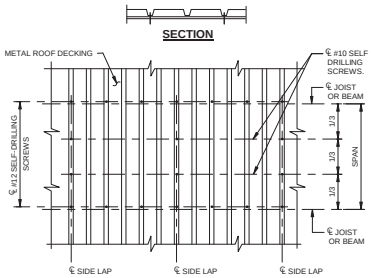
1 S-501 **DETAIL** NO SCALE



NOTE:
DO NOT EXTEND BRIDGING ACROSS EXPANSION JOINTS.

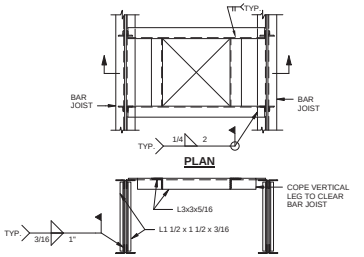
K OR LH SERIES

2 S-501 **DETAIL** NO SCALE



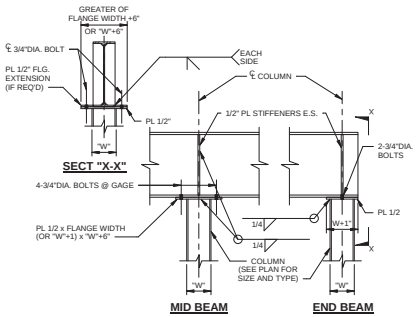
NOTES:
1. ATTACHMENT TO BE 36/7 PATTERN WITHIN 12 FEET OF ANY BUILDING EDGE. ATTACHMENT TO BE 36/4 PATTERN ELSEWHERE. IN ALL CASES INCLUDE 2 SIDE LAP SCREWS MINIMUM. MAXIMUM SPACING OF SIDE LAP SCREWS TO BE 3'-0" (U.N.O. ON PLAN OR IN SPECIFICATIONS).
2. POWDER ACTUATED OR PNEUMATICS PINS MAY BE SUBSTITUTED FOR SCREWS AT JOIST OR BEAM.

3 S-501 **DETAIL** NO SCALE

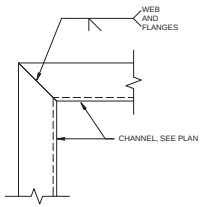


NOTES:
1. USE AT ALL OPENINGS EQUAL TO OR GREATER THAN 12" SQUARE OR 12" IN DIAMETER. ALL OPENING EDGES AND EQUIPMENT BASE CURBS TO BE CONTINUOUSLY SUPPORTED BY ANGLE FRAMING.
2. SEE MECHANICAL DRAWINGS FOR LOCATION AND NUMBER OF FRAMES REQUIRED. COORDINATE DIMENSIONS WITH EQUIPMENT SHOP DRAWINGS.

4 S-501 **DETAIL** NO SCALE

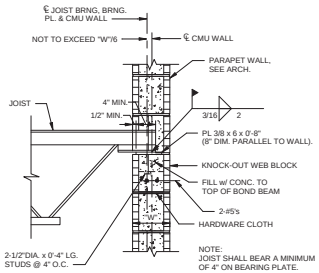


5 S-501 **DETAIL** SCALE: 3/4" = 1'-0"



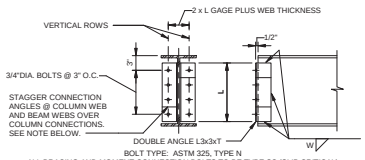
(CORNER MITER JOINT)

6 S-501 **DETAIL** SCALE: 3" = 1'-0"



NOTE:
JOIST SHALL BEAR A MINIMUM OF 4" ON BEARING PLATE.

7 S-501 **SECTION** SCALE: 1" = 1'-0"



BOLT TYPE: ASTM 325, TYPE N
ALL BRACING AND MOMENT CONNECTION BOLTS TO BE TYPE SC (SLIP CRITICAL)

BEAM SIZE	NO. OF BOLTS PER VERT. ROW	L (in.)	T (in) ANGLE THK.	W (in) FILLET WELD
W6	1	3	1/4	3/16
W8 & W10	2	6	1/4	3/16
W12 & W14	3	9	5/16	1/4
W16 & W18	4	12	5/16	1/4
W21, W24 & W27	6	18	3/8	5/16
W30, W33 & W36	8	24	3/8	5/16

NOTE: FABRICATOR TO DETAIL CONNECTIONS @ COLUMN WEBS AND BEAM WEBS OVER COLUMNS TO MEET OSHA SECTION 1926.756(C)(1), 1926.756(C)(2) AND 1926 SUBPART R, APPENDIX H. AT COLUMN AND BEAM WEBS WHERE TWO CONNECTED MEMBERS SHARE COMMON HOLES, THE CONNECTION SHALL BE STAGGERED SO THAT EACH MEMBER HAS AT LEAST ONE BOLT THAT IS NOT COMMON WITH THE OPPOSITE SIDE CONNECTION. A BEAM SEAT MAY BE USED IN LIEU OF THE STAGGERED CONNECTION.

8 S-501 **DETAIL** SCALE: 1" = 1'-0"

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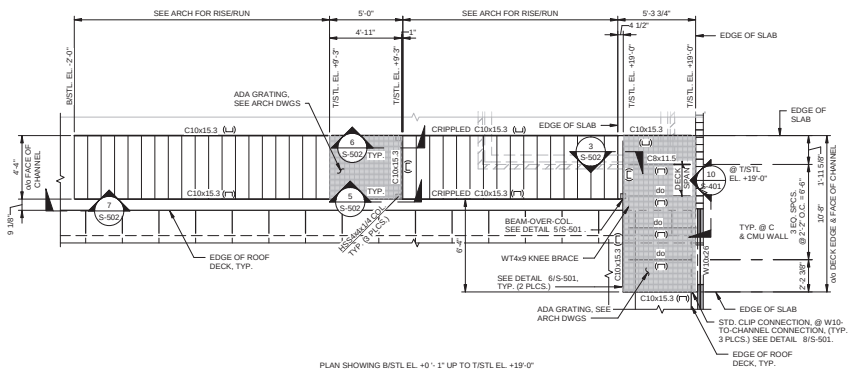
PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

REV.	DATE	BY	ISSUED FOR CONSTRUCTION DESCRIPTION
0	08/03/22	MWL	

PROJECT NO.	3042.2103
DRAWN BY:	THW
CHECKED BY:	MWL
DATE:	08/03/2022

SHEET TITLE:
STEEL SECTIONS AND DETAILS SHEET 1 OF 2

SCALE	AS NOTED
DRAWING NO.	REV.
S-501	**0**

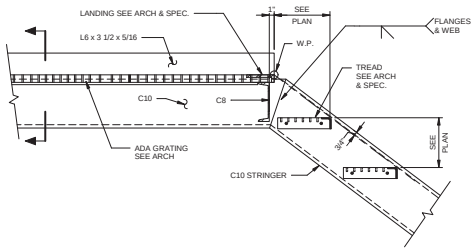


PLAN SHOWING B/STL EL. +0 ' - 1" UP TO T/STL EL. +19'-0"

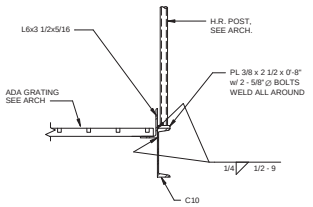
ENLARGED STAIR PLAN

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

1 / S-502



ELEVATION

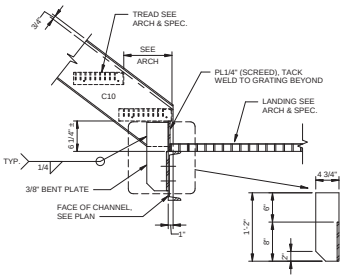


SECTION

DETAIL

SCALE: 1" = 1'-0"

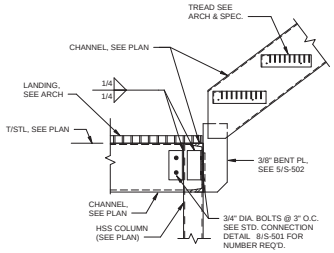
3 / S-502



DETAIL

SCALE: 1" = 1'-0"

5 / S-502

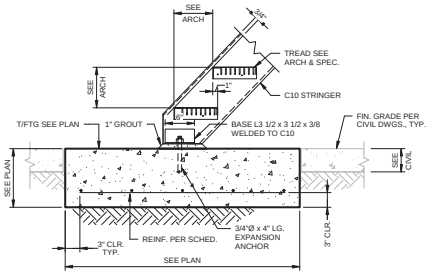


SECTION

SCALE: 1" = 1'-0"

6 / S-502

*NOTE:
SEE ARCH FOR RISE AND RUN



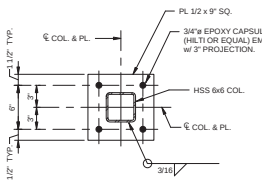
SECTION

SCALE: 1" = 1'-0"

7 / S-502

NOTES:

1. GROUT FOR SETTING BASE PLATES SHALL BE NON-SHRINK, NON-METALLIC TYPE. PLUMB COLUMN BY USING LEVELING NUTS OR STEEL WEDGES AT EDGES OF BASE PLATE AND GROUT. WHEN GROUT HAS GAINED SUFFICIENT STRENGTH TO SUPPORT LOAD (5000 PSI) ALL WEDGES AND SHIMS SHALL BE REMOVED & RESULTING VOIDS FILLED WITH GROUT BEFORE ANCHOR BOLTS ARE TIGHTENED.



DETAIL

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

8 / S-502

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PROJECT NAME: **AUGUSTA MUSEUM OF HISTORY**

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REV.	DATE	BY	DESCRIPTION
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PROJECT NO.	3042.2103
DRAWN BY:	THW
CHECKED BY:	MWL
DATE:	08/03/2022

SHEET TITLE:

STEEL SECTIONS AND DETAILS SHEET 2 OF 2

SCALE: AS NOTED

DRAWING NO. **S-502** REV. **0**

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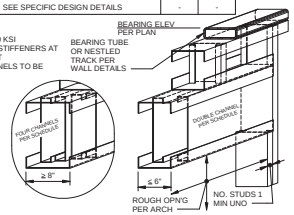
ROUGH OPN'G SPAN	INDIVIDUAL CHANNEL SIZE	MIN S (IN^3)	MIN I (IN^4)
≤ 3'	VENDOR STANDARDS UNO	-	-
3'-1" TO 6'	8" DEEP x 2" FLANGE x 16 GAGE	1.4	6.5
6'-1" TO 8'	10" DEEP x 2" FLANGE x 14 GAGE	2.7	13.9
8'-1" TO 10'	12" DEEP x 2" FLANGE x 14 GAGE	3.2	21.9
10'-1" TO 12'	12" DEEP x 2" FLANGE x 12 GAGE	5.0	30.4
> 12'	SEE SPECIFIC DESIGN DETAILS	-	-

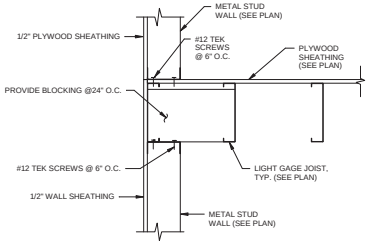
1. ALL STEEL IS 50 KSI
2. PROVIDE WEB STIFFENERS AT EACH SUPPORT
3. HEADER CHANNELS TO BE UNPUNCHED



(LIGHT GAGE METAL HEADER SCHEDULE)

DETAIL
SCALE: 1" = 1'-0"

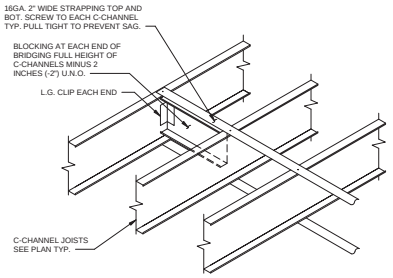
1 S-601



(BLOCKING AT EXTERIOR WALL)

SECTION
NO SCALE

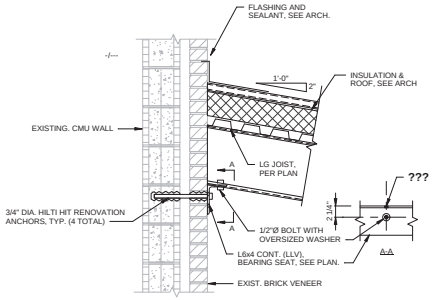
2 S-601



(STANDARD BRIDGING)

DETAIL
SCALE: 1" = 1'-0"

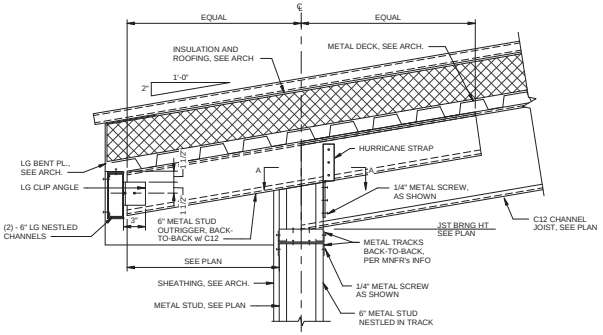
3 S-601



(LG FLOOR JOIST BEARING AT EXIST. EXTERIOR WALL)

SECTION
NO SCALE

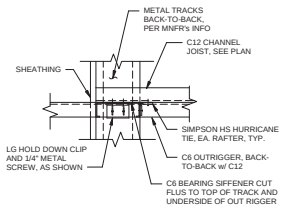
4 S-601



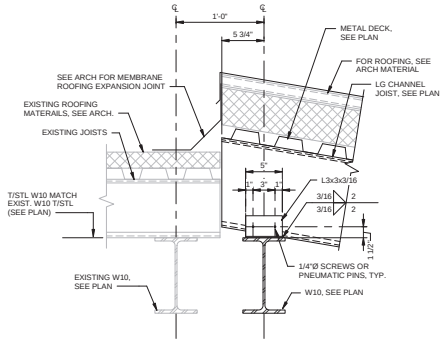
(LG ROOF JOIST BEARING AT EXTERIOR WALL)

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

5 S-601



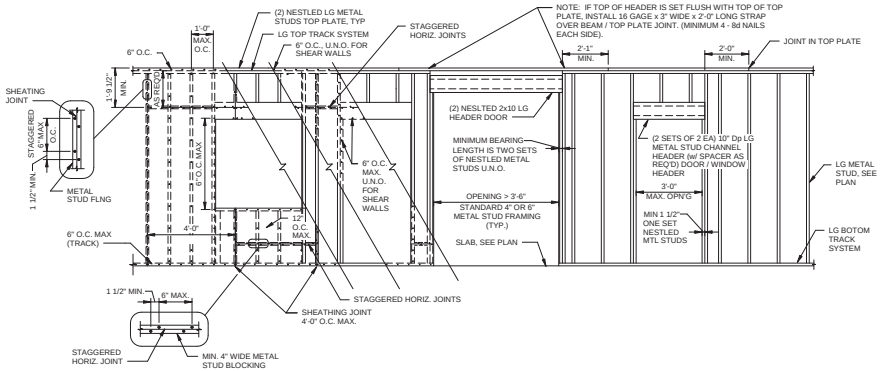
A-A PLAN



(LG ROOF JOIST BEARING ON BEAM)

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

7 S-601



(TYPICAL METAL STUD FRAMING AND ACCEPTABLE SHEATHING LAYOUT)

DETAIL
NO SCALE

9 S-601

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560 REYNOLDS ST., AUGUSTA, GA 30901

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PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

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0	08/03/22	MWL	ISSUED FOR CONSTRUCTION

PROJECT NO. 3042.2103
DRAWN BY: THW
CHECKED BY: MWL
DATE: 08/03/2022

SHEET TITLE:
LIGHT GAGE SECTIONS AND DETAILS

SCALE: AS NOTED

DRAWING NO. **S-601**
REV. **0**

8/3/2022, 4:09:05 PM C:\JLA Projects\3042.2103_Augusta Museum Expansion\3042.2103_Structural_Local.rvt

FIRE PROTECTION GENERAL NOTES:

GENERAL:
THESE GENERAL NOTES PRESENT AND/OR SUMMARIZE KEY PRODUCT INFORMATION FOR THE PLAN READER'S CONVENIENCE. SEE PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

WORK COVERED BY THIS DOCUMENT SHALL INCLUDE ALL LABOR, MATERIAL, PRODUCTS, AND SERVICES FOR, AND INCIDENTAL TO, INSTALLATION OF COMPLETE AND OPERATING HVAC SYSTEMS DRAWN OR SPECIFIED.

ALL WORK SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES INCLUDING, BUT NOT LIMITED TO, NFPA 13, NFPA 14, NFPA 20, NFPA 22, NFPA 24, 2018 INTERNATIONAL BUILDING CODE w/ AMENDMENTS, AND 2018 INTERNATIONAL FIRE CODE w/ AMENDMENTS.

ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY THE ARCHITECT OR ENGINEER.

SPRINKLER PIPE SIZING, PIPE ROUTING, SPRINKLER LOCATIONS, AND PIPE SUPPORTS/BRACING BY SPRINKLER CONTRACTOR. PROVIDE SHOP DRAWINGS, HYDRAULIC CALCULATIONS, AND EQUIPMENT SUBMITTALS FOR REVIEW BY ENGINEER, AHJ, AND OWNER. SEE DIVISION 21 SPECIFICATIONS, IF APPLICABLE.

EXACT LOCATIONS AND ROUGHING REQUIREMENTS FOR PIPING AND EQUIPMENT SHALL BE DETERMINED FROM ARCHITECTURAL DRAWINGS, LARGE SCALE ARCHITECTURAL DETAILS, AND APPROVED MANUFACTURER'S SHOP DRAWINGS. PARTICULAR ATTENTION SHALL BE DIRECTED TO FIXTURES OR EQUIPMENT FURNISHED UNDER OTHER DIVISIONS.

SEE ARCHITECTURAL PLANS FOR WALL CONSTRUCTION AND REFLECTED CEILING PLANS.

EXACT LOCATION OF PIPING SHALL BE DETERMINED BY JOB CONDITIONS. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF HIS WORK WITH THAT OF OTHER TRADES AND ARRANGE PIPING TO CLEAR STRUCTURAL MEMBERS AND DUCTWORK.

IN FIRE WALLS, PACK ANNULAR SPACE BETWEEN PIPE AND WALL WITH FIRESTOP COMPOUND IN ACCORDANCE WITH ITS UL LISTING.

PIPING AND FITTINGS:
WET-PIPE SPRINKLER SYSTEM, NPS 2 AND SMALLER, SHALL BE STANDARD-WEIGHT, BLACK-STEEL PIPE WITH THREADED ENDS; UNCOATED, GRAY-IRON THREADED FITTINGS; AND THREADED JOINTS.

WET-PIPE SPRINKLER SYSTEM, NPS 2-1/2 AND LARGER, SHALL BE SCHEDULE 10, BLACK-STEEL PIPE WITH ROLL-GROOVED ENDS; UNCOATED, GROOVED-END FITTINGS FOR STEEL PIPING; GROOVED-END-PIPE COUPLINGS FOR STEEL PIPING; AND GROOVED JOINTS.

LISTED FIRE-PROTECTION VALVES:
VALVES SHALL BE UL LISTED AND FM APPROVED, WITH MINIMUM 175-PSIG PRESSURE RATING. VALVES FOR GROOVED-END PIPING MAY BE FURNISHED WITH GROOVED ENDS INSTEAD OF TYPE OF ENDS SPECIFIED.

CHECK VALVES, NPS 2 OR SMALLER, SHALL BE UL 312, SWING CHECK TYPE, BRONZE BODY, AND THREADED ENDS.

CHECK VALVES, NPS 2-1/2 OR LARGER, SHALL BE UL 312, SWING CHECK TYPE, CAST OR DUCTILE IRON BODY, AND FLANGED OR GROOVED ENDS.

OS&Y GATE VALVES, NPS 2 AND SMALLER, SHALL BE UL 262, BRONZE BODY, EXTERNAL SUPERVISORY SWITCH, AND THREADED ENDS.

OS&Y GATE VALVES, NPS 2-1/2 AND LARGER, SHALL BE UL 262, CAST OR DUCTILE IRON BODY, EXTERNAL SUPERVISORY SWITCH, AND FLANGED OR GROOVED ENDS.

INDICATING-TYPE VALVES, NPS 2 AND SMALLER, SHALL BE UL 1091, BALL OR BUTTERFLY TYPE, BRONZE BODY, INTERNAL SUPERVISORY SWITCH, AND THREADED ENDS.

INDICATING-TYPE VALVES, NPS 2-1/2 AND LARGER, SHALL BE UL 1091, BUTTERFLY TYPE, CAST OR DUCTILE IRON BODY, INTERNAL SUPERVISORY SWITCH, AND FLANGED OR GROOVED ENDS.

SPRINKLERS:
SPRINKLERS SHALL BE UL LISTED OR FM APPROVED, WITH MINIMUM 175-PSIG PRESSURE RATING.

AUTOMATIC SPRINKLERS WITH HEAT-RESPONSIVE ELEMENT SHALL BE UL 199, NOMINAL 1/2-INCH ORIFICE WITH DISCHARGE COEFFICIENT K OF 5.6, AND FOR "ORDINARY" TEMPERATURE CLASSIFICATION RATING UNLESS OTHERWISE INDICATED OR REQUIRED BY APPLICATION.

SPRINKLER FINISHES SHALL BE CHROME PLATED, BRONZE, OR PAINTED, AS INDICATED.

SPRINKLER ESCUTCHEONS SHALL BE CHROME-PLATED STEEL, ONE PIECE, FLAT.

SPRINKLER GUARDS SHALL BE UL 199, WIRE CAGE WITH FASTENING DEVICE FOR ATTACHING TO SPRINKLER.

ALARM DEVICES:
DEVICES SHALL BE UL LISTED OR FM APPROVED. ALARM-DEVICE TYPES SHALL MATCH PIPING AND EQUIPMENT CONNECTIONS.

WATER-FLOW INDICATORS SHALL BE UL 346; ELECTRICALLY SUPERVISED; TWO SINGLE POLE, DOUBLE THROW CIRCUIT SWITCHES FOR ISOLATED ALARM AND AUXILIARY CONTACTS, 7A , 125VAC, AND 0.25AM 24VDC; COMPLETE WITH FACTORY-SET, FIELD-ADJUSTABLE RETARD ELEMENT TO PREVENT FALSE SIGNALS AND TAMPERPROOF COVER THAT SENDS SIGNAL IF REMOVED; PADDLE OPERATED, 250 PSIG PRESSURE RATING.

PRESSURE SWITCHES SHALL BE UL 346; ELECTRICALLY SUPERVISED WATER-FLOW SWITCH WITH RETARD FEATURE; SINGLE POLE, DOUBLE THROUGH SWITCH WITH NORMALLY CLOSED CONTACTS; RISING PRESSURE SIGNALS WATER FLOW.

VALVE SUPERVISORY SWITCHES SHALL BE UL 346; ELECTRICALLY SUPERVISED; SINGLE POLE, DOUBLE THROW SWITCH WITH NORMALLY CLOSED CONTACTS; DESIGNED TO SIGNAL THAT CONTROLLED VALVE IS IN OTHER THAN FULLY OPEN POSITION.

SUBMITTALS:
PROVIDE SHOP DRAWINGS, HYDRAULIC CALCULATIONS, AND EQUIPMENT SUBMITTALS FOR REVIEW BY ENGINEER, AHJ, AND OWNER.

APPLICABLE CODES AND STANDARDS

CODES AND STANDARDS	EDITION
INTERNATIONAL BUILDING CODE (IBC)	2018
INTERNATIONAL FIRE CODE (IFC)	2018
NFPA 13	2019
NFPA 24	2019

HAZARD CLASSIFICATION:

ALL AREAS SHALL BE REGARDED AS LIGHT HAZARD UNLESS NOTED OTHERWISE.

L.H. - LIGHT HAZARD, PER NFPA 13

OH-1 - ORDINARY HAZARD, GROUP 1, PER NFPA 13

OH-2 - ORDINARY HAZARD, GROUP 2, PER NFPA 13

LEGEND:

L.H. - LIGHT HAZARD, PER NFPA 13

OH-1 - ORDINARY HAZARD, GROUP 1 PER NFPA 13

OH-2 - ORDINARY HAZARD, GROUP 2 PER NFPA 13

NS - NON SPRINKLED AREA

FIRE BARRIER LEGEND:

- ONE HOUR FIRE BARRIER

DESIGN CRITERIA:

1. TYPES OF SYSTEMS:
   - WET PIPE
2. DENSITY / DESIGN AREA (OFFICE AREAS):
   - L.H. - 0.10 GPM/FT² OVER H.M.D. 1500 FT²
   - OH-1 - 0.15 GPM/FT² OVER H.M.D. 1500 FT²
   - OH-2 - 0.20 GPM/FT² OVER H.M.D. 1500 FT²
3. SPRINKLERS SHALL BE:
   - 5.6 K-FACTOR AND A TEMPERATURE RATING OF 165°F
   - UPRIGHT TYPE FOR ROOMS WITHOUT CEILINGS
   - RECESSED PENDENT TYPE FOR ROOMS WITH CEILINGS
   - SIDEWALL TYPE FOR WALL MOUNTING
   - UPRIGHT, PENDENT, AND SIDEWALL, DRY TYPE FOR SPACES SUBJECT TO FREEZING
   - BRIGHT CHROME WITH BRIGHT CHROME ESCUTCHEON IN FINISHED SPACES EXPOSED TO VIEW, ROUGH BRONZE IN UNFINISHED SPACES NOT EXPOSED TO VIEW
4. MAXIMUM PROTECTION AREA PER SPRINKLER SHALL NOT EXCEED 225 FT² FOR LIGHT HAZARD AND 130 FT² FOR ORDINARY HAZARD.
5. PROVIDE SEISMIC BRACING PER NFPA AND IBC.
6. HOSE ALLOWANCE SHALL BE 100 GPM FOR LIGHT HAZARD OCCUPANCIES AND 250 GPM FOR ORDINARY HAZARD OCCUPANCIES.
7. COMPLY WITH NFPA 13 FOR ABOVEGROUND PIPING.

FIRE FLOW TEST DATA:

1. TEST DATE: 11/08/2007
2. PERFORMED BY: AUGUSTA UTILITIES DEPARTMENT
3. LOCATION OF RESIDUAL FIRE HYDRANT R: REYNOLDS STREET
4. LOCATION OF FLOW FIRE HYDRANT F: REYNOLDS STREET
5. STATIC PRESSURE OF RESIDUAL FIRE HYDRANT R: 82 PSIG
6. MEASURED FLOW ARE FLOW HYDRANT F: 1060 GPM
7. RESIDUAL PRESSURE AT RESIDUAL HYDRANT R: 58 PSIG
8. CONTRACTOR SHALL VERIFY AVAILABLE FLOW WITH NEW FLOW TEST FOR DESIGN PURPOSES.

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CLIENT: AUGUSTA MUSEUM OF HISTORY
560 REYNOLDS ST., AUGUSTA, GA 30901

PROJECT NAME: AUGUSTA MUSEUM OF HISTORY

PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

REV.	DATE	BY	DESCRIPTION
0	08/03/22	CVW	ISSUED FOR CONSTRUCTION

PROJECT NO. 3042.2103
DRAWN BY: WBR
CHECKED BY: CVW
DATE: 08/03/2022
SHEET TITLE:
FIRE PROTECTION GENERAL NOTES AND LEGEND
SCALE AS NOTED
DRAWING NO. **F-001**
REV. **0**

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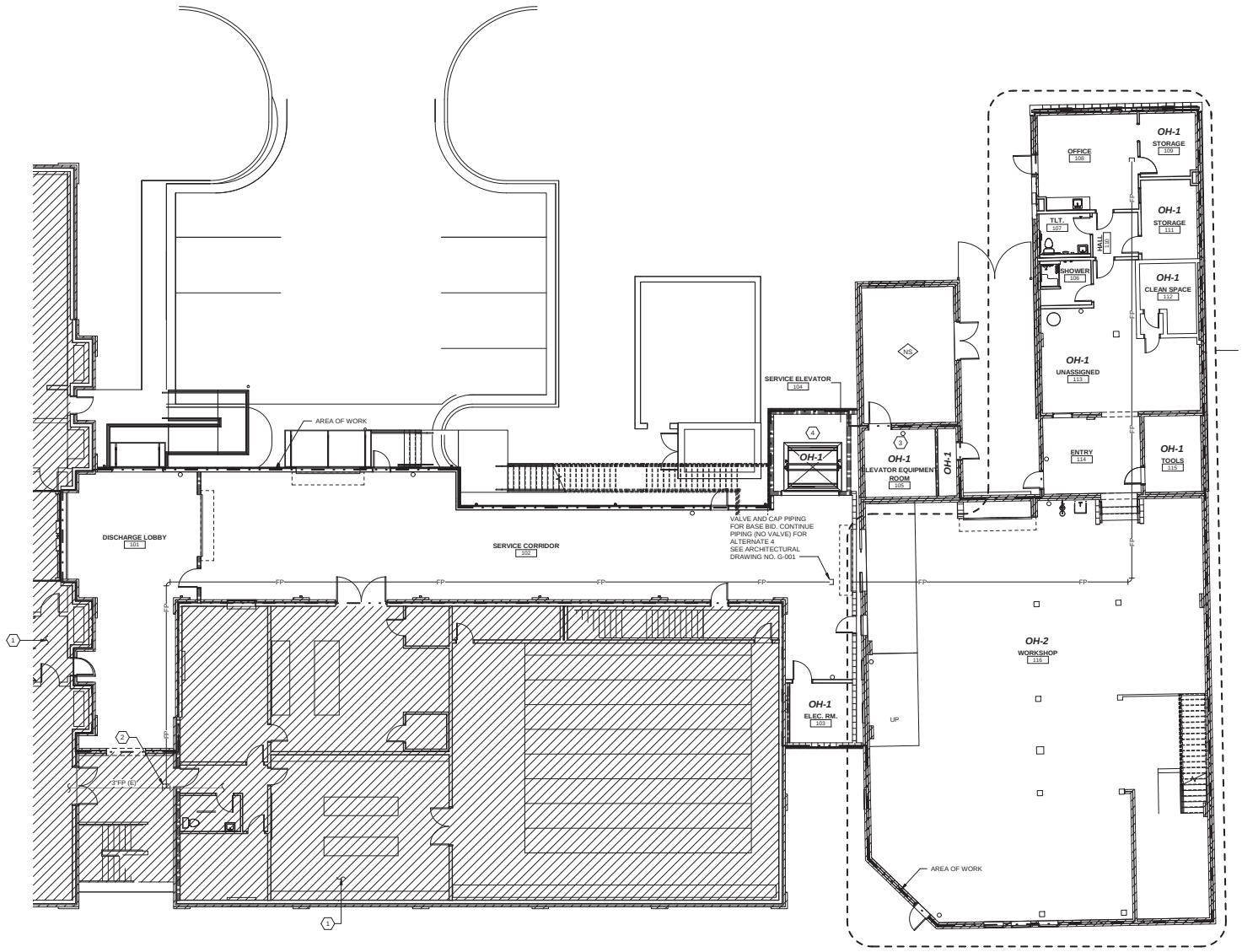

FIRE PROTECTION KEYED NOTES:

1. HATCHED AREA INDICATES EXISTING AREA WITH EXISTING SPRINKLER SYSTEM TO REMAIN. (NO WORK IN THIS AREA)
2. TIE INTO EXISTING 3" FIRE SPRINKLER MAIN. EXTEND EXISTING SPRINKLER SYSTEM TO SERVE NEW ADDITION AND RENOVATION. CONFORM TO NEW ARCHITECTURAL, MECHANICAL, AND LIGHTING LAYOUT. COMPLY WITH NFPA 13. (FIELD VERIFY EXISTING CONDITIONS)
3. PROVIDE SPRINKLERS IN ELEVATOR MACHINE ROOMS. PROVIDE A SUPERVISED SHUT-OFF VALVE, CHECK VALVE, FLOW SWITCH AND TEST VALVE IN LINE SUPPLYING MACHINE ROOM. LOCATE THESE OUTSIDE OF AND ADJACENT TO THE MACHINE ROOMS. ACTIVATION OF FLOW SWITCH MUST REMOVE POWER TO ELEVATORS SERVED BY MACHINE ROOM BY SHUNT TRIP BREAKER WITHOUT TIME DELAY.
4. PROVIDE SIDEWALL SPRAY SPRINKLERS AT BOTTOM OF HOISTWAY PER NFPA 13. AUTOMATIC POWER SHUT DOWN FOR THESE SPRINKLERS NOT REQUIRED. PROVIDE SUPERVISED SHUT-OFF VALVE IN SPRINKLER LINE SUPPLYING PIT. LOCATE VALVE OUTSIDE OF AND ADJACENT TO PIT.

ALTERNATE 4
SEE ARCHITECTURAL
DRAWING NO. G-001

NOTE:
ALL AREAS TO BE REGARDED AS LIGHT HAZARD (TYP. U.N.O.)

1 / F-101 **FIRST FLOOR FIRE PROTECTION PLAN**
SCALE: 1/8" = 1'-0"

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

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PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

REV.	DATE	BY	DESCRIPTION
0	08/03/22	CVW	ISSUED FOR CONSTRUCTION

PROJECT NO.	3042.2103
DRAWN BY:	WBR
CHECKED BY:	CVW
DATE:	08/03/2022

SHEET TITLE: **FIRST FLOOR FIRE PROTECTION PLAN**

SCALE: AS NOTED

DRAWING NO. **F-101** REV. **0**

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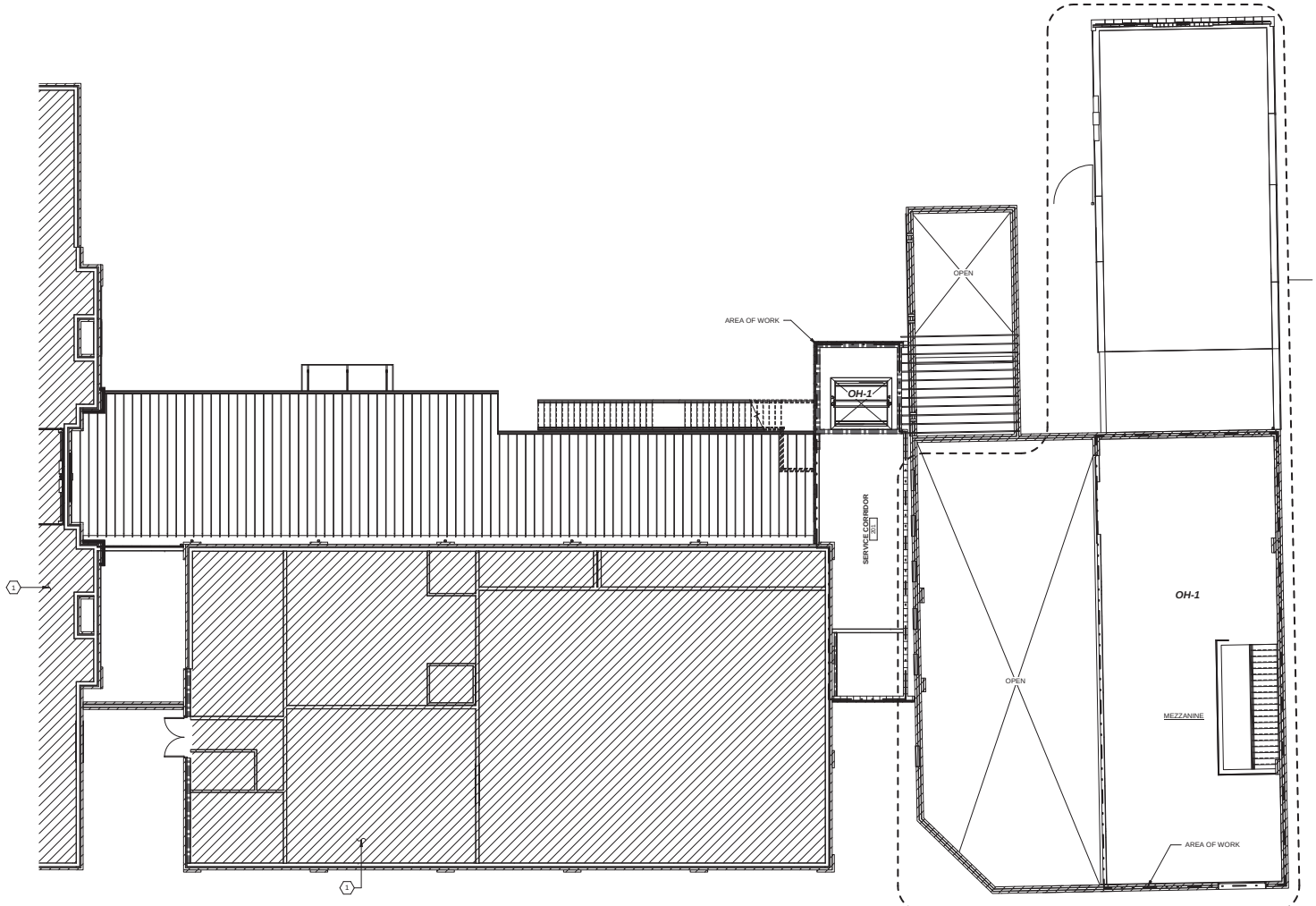

FIRE PROTECTION KEYED NOTES:

1. HATCHED AREA INDICATES EXISTING AREA WITH EXISTING SPRINKLER SYSTEM TO REMAIN. (NO WORK IN THIS AREA)
2. TIE INTO EXISTING 3" FIRE SPRINKLER MAIN. EXTEND EXISTING SPRINKLER SYSTEM TO SERVE NEW ADDITION AND RENOVATION. CONFORM TO NEW ARCHITECTURAL, MECHANICAL, AND LIGHTING LAYOUT. COMPLY WITH NFPA 13. (FIELD VERIFY EXISTING CONDITIONS)
3. PROVIDE SPRINKLERS IN ELEVATOR MACHINE ROOMS. PROVIDE A SUPERVISED SHUT-OFF VALVE, CHECK VALVE, FLOW SWITCH AND TEST VALVE IN LINE SUPPLYING MACHINE ROOM. LOCATE THESE OUTSIDE OF AND ADJACENT TO THE MACHINE ROOMS. ACTIVATION OF FLOW SWITCH MUST REMOVE POWER TO ELEVATORS SERVED BY MACHINE ROOM BY SHUNT TRIP BREAKER WITHOUT TIME DELAY.
4. PROVIDE SIDEWALL SPRAY SPRINKLERS AT BOTTOM OF HOISTWAY PER NFPA 13. AUTOMATIC POWER SHUT DOWN FOR THESE SPRINKLERS NOT REQUIRED. PROVIDE SUPERVISED SHUT-OFF VALVE IN SPRINKLER LINE SUPPLYING PIT. LOCATE VALVE OUTSIDE OF AND ADJACENT TO PIT.

ALTERNATE 4
SEE ARCHITECTURAL
DRAWING NO. G-001

NOTE:
ALL AREAS TO BE REGARDED AS LIGHT HAZARD (TYP. U.N.O.)

1 / F-102 **SECOND FLOOR FIRE PROTECTION PLAN**
SCALE: 1/8" = 1'-0"

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

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REV.	DATE	BY	DESCRIPTION
0	08/03/22	CVW	ISSUED FOR CONSTRUCTION

PROJECT NO. 3042.2103
DRAWN BY: WBR
CHECKED BY: CVW
DATE: 08/03/2022

SHEET TITLE:
SECOND FLOOR FIRE PROTECTION PLAN

SCALE: AS NOTED

DRAWING NO. **F-102** REV. **0**

PLUMBING GENERAL NOTES:

GENERAL:
THESE GENERAL NOTES PRESENT AND/OR SUMMARIZE KEY PRODUCT INFORMATION FOR THE PLAN READER'S CONVENIENCE. SEE PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

WORK COVERED BY THIS DOCUMENT SHALL INCLUDE ALL LABOR, MATERIAL, PRODUCTS, AND SERVICES FOR, AND INCIDENTAL TO, INSTALLATION OF COMPLETE AND OPERATING PLUMBING SYSTEMS DRAWN OR SPECIFIED.

ALL WORK SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES INCLUDING, BUT NOT LIMITED TO, 2018 INTERNATIONAL PLUMBING CODE w/ AMENDMENTS, 2018 INTERNATIONAL FUEL GAS CODE w/ AMENDMENTS, 2017 ADA STANDARDS FOR ACCESSIBLE DESIGN AND ALL ADA AMENDMENTS.

ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY THE ARCHITECT OR ENGINEER.

INSTALL ALL PLUMBING FIXTURES PER MANUFACTURER'S INSTRUCTIONS.

EXACT LOCATIONS AND ROUGHING REQUIREMENTS FOR ALL FIXTURES AND EQUIPMENT SHALL BE DETERMINED FROM ARCHITECTURAL DRAWINGS, LARGE SCALE ARCHITECTURAL DETAILS, AND APPROVED MANUFACTURER'S SHOP DRAWINGS. PARTICULAR ATTENTION SHALL BE DIRECTED TO FIXTURES OR EQUIPMENT FURNISHED UNDER OTHER DIVISIONS.

PIPING IS SHOWN IN ITS GENERAL LOCATION (UNLESS DIMENSIONED). EXACT LOCATION SHALL BE DETERMINED BY JOB CONDITIONS. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF HIS WORK WITH THAT OF OTHER TRADES AND ARRANGE PIPING TO CLEAR STRUCTURAL MEMBERS AND DUCTWORK. EXACT LOCATIONS SHALL BE PROVIDED ON "AS-BUILT" DRAWINGS.

MINIMUM SIZE WATER LINE FOR THREE OR MORE FIXTURES SHALL BE 3/4". REFER TO PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL RUNOUT SIZES.

ALL PIPING TO BE CONCEALED IN A WALL, CEILING, OR A CHASE UNLESS OTHERWISE NOTED. PIPING SHOWN OUT OF CHASES FOR CLARITY.

PROVIDE SLEEVES FOR PIPES PASSING THROUGH FLOORS, MASONRY WALLS AND FIRE OR SMOKE PARTITIONS. PACK MINERAL WOOL IN ANNULAR SPACE BETWEEN PIPE SLEEVE.

REFER TO ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE MOUNTING HEIGHTS. ALL ACCESSIBLE FIXTURES SHALL COMPLY WITH STATE BUILDING CODE AND 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.

ARRANGEMENTS OF WORK SHALL BE AS SHOWN. DRAWINGS ARE NOT INTENDED TO INDICATE ALL OFFSETS AND FITTINGS. EXAMINE ALL DRAWINGS, INVESTIGATE CONDITIONS TO BE ENCOUNTERED AND ARRANGE WORK ACCORDINGLY; FURNISH ALL FITTINGS AND OFFSETS.

MEASUREMENT OF DRAWINGS BY SCALE SHALL NOT BE USED AS DIMENSIONS FOR FABRICATION. MEASUREMENTS FOR LOCATING FIXTURES, EQUIPMENT, DUCTWORK, PIPING AND ACCESSORIES SHALL BE MADE ON THE SITE AND SHALL BE BASED ON ACTUAL JOB CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEASUREMENTS WHERE THE CONTRACTOR PREFABRICATES ANY WORK BASED ON THE DRAWINGS WITHOUT VERIFYING ACTUAL JOB CONDITIONS, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COST INVOLVED IN MAKING CHANGES TO PREFABRICATED WORK WHERE CONFLICTS OCCUR.

ARRANGE FOR CHASES, SLOTS, AND OPENINGS IN OTHER BUILDING COMPONENTS DURING PROGRESS OF CONSTRUCTION TO ALLOW FOR INSTALLATIONS.

INSTALL SYSTEMS, MATERIALS, AND EQUIPMENT LEVEL, PLUMB, PARALLEL, AND PERPENDICULAR TO OTHER BUILDING SYSTEMS AND COMPONENTS.

COPPER PIPING SHALL NOT BE INSTALLED IN DIRECT CONTACT WITH MASONRY, CEMENT MORTAR, CONCRETE, OR DISSIMILAR METALS. PLUMBING CONTRACTOR TO PROVIDE SLEEVES AND COORDINATE w/ GENERAL CONTRACTOR DURING SLAB INSTALLATION.

CUTTING AND REPAIRING: THE PLUMBING CONTRACTOR SHALL DO ALL CUTTING AND REPAIRING OF WALLS, FLOORS, CEILINGS, ETC. NECESSARY FOR THE INSTALLATION OF THE WORK BUT HE SHALL NOT CUT INTO ANY STRUCTURAL MEMBER WITHOUT THE PERMISSION OF THE ARCHITECT.

PROVIDE SHOCK ABSORBERS AS INDICATED ON PLANS.

PLUMBING CONTRACTOR TO PROVIDE PROPER SEPARATION BETWEEN WATER SUPPLY AND WASTE/SANITARY PIPING PER INTERNATIONAL PLUMBING CODE.

PLUMBING CONTRACTOR TO PROVIDE PREPRINTED 1/2" HIGH LETTERED LABELS FOR THE FOLLOWING: INTERIOR MAIN SHUT-OFF VALVE, POTABLE WATER SUPPLY PIPING, & HOT WATER PIPING. LABELS SHOULD BE MOUNTED EVERY 20'-0" ON HORIZONTAL RUNS.

GENERAL CONTRACTOR TO PROVIDE ACCESS PANELS FOR ALL INACCESSIBLE, ABOVE CEILING VALVES AND EQUIPMENT. COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

DOMESTIC WATER PIPING:
UNDER-BUILDING SLAB, DOMESTIC WATER, BUILDING SERVICE PIPING SHALL BE SOFT COPPER TUBING, ASTM B 88, TYPE K, WITH WROUGHT-COPPER, SOLDER-JOINT FITTINGS, AND BRAZED JOINTS. AVOID JOINTS UNDER BUILDING SLAB WHERE POSSIBLE.

ALL OTHER UNDER-BUILDING SLAB, DOMESTIC WATER PIPING SHALL BE SOFT COPPER TUBING, ASTM B 88, TYPE L, WITH WROUGHT-COPPER, SOLDER-JOINT FITTINGS, AND BRAZED JOINTS. AVOID JOINTS UNDER BUILDING SLAB WHERE POSSIBLE.

ALL ABOVEGROUND DOMESTIC WATER PIPING SHALL BE HARD COPPER TUBING, ASTM B 88, TYPE L, WITH CAST- OR WROUGHT-COPPER, SOLDER-JOINT FITTINGS, AND SOLDERED JOINTS.

ALL INDOOR DOMESTIC COLD, HOT, AND RECIRCULATED HOT WATER PIPING SHALL BE INSULATED.
INSTALL INSULATION CONTINUOUSLY THROUGH WALL, PARTITION, FLOOR, AND ROOF PENETRATIONS.

SANITARY WASTE AND VENT PIPING:
ALL SOIL, DRAIN, WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC-DWV WITH SOLVENT WELD JOINTS, CONFORMING TO ASTM D 2665 AND ASTM D 2564. IN AREAS WITH RETURN AIR PLENUM ABOVE THE CEILING, TRANSITION PIPING BELOW CEILING FROM PVC TO HUBLESS CAST-IRON. EXTEND CAST IRON VENT THROUGH ROOF. PVC PIPING IS NOT ALLOWED IN RETURN AIR PLENUM SPACES.

ALL SOIL, DRAIN, WASTE AND VENT PIPING LOCATED IN RETURN AIR PLENUMS SHALL BE HUBLESS CAST-IRON SOIL PIPE AND FITTINGS, CONFORMING TO ASTM A 888 OR CISPI 301, WITH CISPI HUBLESS PIPING COUPLINGS, CONFORMING TO ASTM C 1277 AND CISPI 310, AND COUPLED JOINTS.

ALL PIPING PASSING THROUGH THE ROOF SHALL BE FLASHED WITH ROOF FLASHING ASSEMBLY COMPATIBLE WITH THE ROOFING SYSTEM.

ROOF DRAINAGE PIPING:
ALL ROOF DRAINAGE PIPING SHALL BE SCHEDULE 40 PVC-DWV WITH SOLVENT WELD JOINTS, CONFORMING TO ASTM D 2665 AND ASTM D 2564. IN AREAS WITH RETURN AIR PLENUM ABOVE THE CEILING, TRANSITION PIPING BELOW CEILING FROM PVC TO HUBLESS CAST-IRON. PVC PIPING IS NOT ALLOWED IN RETURN AIR PLENUM SPACES.

ALL ROOF DRAINAGE PIPING LOCATED IN RETURN AIR PLENUMS SHALL BE HUBLESS CAST-IRON SOIL PIPE AND FITTINGS, CONFORMING TO ASTM A 888 OR CISPI 301, WITH CISPI HUBLESS PIPING COUPLINGS, CONFORMING TO ASTM C 1277 AND CISPI 310, AND COUPLED JOINTS.

ALL ROOF DRAIN BODIES AND HORIZONTAL ROOF DRAIN CONDUCTORS (PRIMARY AND OVERFLOW) SHALL BE INSULATED.
INSTALL INSULATION CONTINUOUSLY THROUGH WALL, PARTITION, FLOOR, AND ROOF PENETRATIONS.

GAS PIPING:
ALL OUTDOOR, ABOVEGROUND GAS PIPING SHALL BE SCHEDULE 40, BLACK STEEL PIPE, COMPLYING WITH ASTM A 53, WITH MALLEABLE-IRON FITTINGS AND THREADED JOINTS, COMPLYING WITH ASME B 16.3, OR WROUGHT-STEEL FITTINGS AND WELDED JOINTS, COMPLYING WITH ASTM A 234. JOINT COMPOUND AND TAPE SHALL BE SUITABLE FOR NATURAL GAS.

ALL INDOOR, ABOVEGROUND GAS PIPING SHALL BE SCHEDULE 40, BLACK STEEL PIPE, COMPLYING WITH ASTM A 53, WITH MALLEABLE-IRON FITTINGS AND THREADED JOINTS, COMPLYING WITH ASME B 16.3, OR WROUGHT-STEEL FITTINGS AND WELDED JOINTS, COMPLYING WITH ASTM A 234. JOINT COMPOUND AND TAPE SHALL BE SUITABLE FOR NATURAL GAS.

PRESSURE REGULATORS SHALL BE SINGLE STAGE AND SUITABLE FOR NATURAL GAS. SERVICE PRESSURE REGULATORS SHALL COMPLY WITH ANSI Z21.80. LINE PRESSURE REGULATORS SHALL COMPLY WITH ANSI Z21.80. APPLIANCE PRESSURE REGULATORS SHALL COMPLY WITH ANSI Z21.18.

GAS PIPING ON ROOF SHALL BE SUPPORTED ON PILLOW BLOCK SUPPORTS, MIRO MODEL 1.5, OR EQUAL.

THERMAL HANGER SHIELD INSERTS:
INSTALL THERMAL HANGER SHIELD INSERT IN PIPE HANGER FOR INSULATED PIPING, WITH PROTECTIVE SADDLE. FOR COLD PIPING, INSERT MATERIAL SHALL BE ASTM C552, TYPE II CELLULAR GLASS WITH 100-PSI OR ASTM C591, TYPE VI, GRADE 1 POLYISOCYANURATE WITH 125-PSI MINIMUM COMPRESSIVE STRENGTH AND VAPOR BARRIER. FOR HOT PIPING, INSERT MATERIAL SHALL BE WATER-REPELLENT-TREATED, ASTM C533, TYPE I CALCIUM SILICATE WITH 100-PSI, ASTM C552, TYPE II CELLULAR GLASS WITH 100-PSI, OR ASTM C591, TYPE VI, GRADE 1 POLYISOCYANURATE WITH 125-PSI MINIMUM COMPRESSIVE STRENGTH.

SLEEVES AND SLEEVE SEALS:
INSTALL SLEEVES FOR PIPING PASSING THROUGH PENETRATIONS IN FLOORS, PARTITIONS, ROOFS, AND WALLS. INSTALL SLEEVES IN CONCRETE FLOORS, CONCRETE ROOF SLABS, AND CONCRETE WALLS AS NEW SLABS AND WALLS ARE CONSTRUCTED; CUT SLEEVES TO LENGTH FOR MOUNTING FLUSH WITH BOTH SURFACES; USING GROUT OR SILICONE SEALANT, SEAL OUTSIDE OF SLEEVES IN SLABS AND WALLS WITHOUT SLEEVE-SEAL SYSTEM. INSTALL SLEEVES THAT ARE LARGE ENOUGH TO PROVIDE 1/4-INCH ANNULAR CLEAR SPACE BETWEEN SLEEVE AND PIPE OR PIPE INSULATION; SEAL ANNULAR SPACE BETWEEN SLEEVE AND PIPING OR PIPING INSULATION. FOR SLEEVES THAT WILL HAVE SLEEVE-SEAL SYSTEM INSTALLED, SELECT SLEEVES OF SIZE LARGE ENOUGH TO PROVIDE 1-INCH ANNULAR CLEAR SPACE BETWEEN PIPING AND CONCRETE SLABS AND WALLS; SLEEVES ARE NOT REQUIRED FOR CORE-DRILLED HOLES. MAINTAIN INDICATED FIRE OR SMOKE RATING OF WALLS, PARTITIONS, CEILINGS, AND FLOORS AT PIPE PENETRATIONS THROUGH RATED CONSTRUCTION; SEAL PIPE PENETRATIONS WITH FIRE- AND SMOKE-STOP MATERIALS.

USE SLEEVES AND SLEEVE SEALS FOR THE FOLLOWING PIPNG-PENETRATION APPLICATIONS:
EXTERIOR CONCRETE WALLS ABOVE GRADE: STEEL PIPE SLEEVES, ASTM A 53, TYPE E, GRADE B, SCHEDULE 40, GALVANIZED, WITH PLAIN ENDS AND INTEGRAL WATERSTOP COLLAR.
EXTERIOR CONCRETE WALLS BELOW GRADE: CAST-IRON PIPE SLEEVES, WITH PLAIN ENDS AND INTEGRAL WATERSTOP COLLAR WITH SLEEVE-SEAL SYSTEM.
CONCRETE SLAB-ON-GRADE: CAST-IRON PIPE SLEEVES, WITH PLAIN ENDS AND INTEGRAL WATERSTOP COLLAR WITH SLEEVE-SEAL SYSTEM.
CONCRETE SLABS ABOVE GRADE: STACK-SLEEVE FITTINGS.
INTERIOR PARTITIONS: STEEL PIPE SLEEVES, ASTM A 53, TYPE E, GRADE B, SCHEDULE 40, GALVANIZED, WITH PLAIN ENDS AND INTEGRAL WELDED WATERSTOP COLLAR FOR PIPING SMALLER THAN NPS 6; GALVANIZED-STEEL SHEET SLEEVES, 0.0239-INCH MINIMUM THICKNESS, ROUND TUBE CLOSED WITH WELDED LONGITUDINAL JOINT FOR PIPING NPS 6 AND LARGER.

FIELD QUALITY CONTROL:
ALL DOMESTIC WATER PIPING SHALL BE TESTED FOR LEAKS AND DEFECTS; FILL DOMESTIC WATER PIPING, CAP, AND SUBJECT PIPING TO STATIC WATER PRESSURE OF 50 PSIG ABOVE OPERATING PRESSURE, WITHOUT EXCEEDING PRESSURE RATING OF PIPING SYSTEM MATERIALS. ISOLATE TEST SOURCE AND ALLOW IT TO STAND FOR FOUR HOURS.

LEAKS AND LOSS IN TEST PRESSURE CONSTITUTE DEFECTS THAT MUST BE REPAIRED. LEAVE DOMESTIC WATER PIPING UNCOVERED AND UNCONCEALED UNTIL IT HAS BEEN TESTED AND APPROVED.

ALL SANITARY WASTE AND VENT PIPING SHALL BE TESTED FOR LEAKS AND DEFECTS AT COMPLETION OF ROUGH-IN; CLOSE OPENINGS IN PIPING SYSTEM AND FILL WITH WATER TO POINT OF OVERFLOW, BUT NOT LESS THAN 10-FOOT HEAD OF WATER. FROM 15 MINUTES BEFORE INSPECTION STARTS TO COMPLETION OF INSPECTION, WATER LEVEL MUST NOT DROP. INSPECT JOINTS FOR LEAKS. REPAIR LEAKS AND DEFECTS WITH NEW MATERIALS AND RETEST PIPING, OR PORTIONS THEREOF, UNTIL SATISFACTORY RESULTS ARE OBTAINED. IINSTALL TEST TEES WHEN THE SYSTEM IS TO BE TESTED IN SECTIONS. LEAVE SANITARY WASTE AND VENT PIPING UNCOVERED AND UNCONCEALED UNTIL IT HAS BEEN TESTED AND APPROVED.

ALL ROOF DRAINAGE PIPING SHALL BE TESTED FOR LEAKS AND DEFECTS AT COMPLETION OF ROUGH-IN; CLOSE OPENINGS IN PIPING SYSTEM AND FILL WITH WATER TO POINT OF OVERFLOW, BUT NOT LESS THAN 10-FOOT HEAD OF WATER. FROM 15 MINUTES BEFORE INSPECTION STARTS TO COMPLETION OF INSPECTION, WATER LEVEL MUST NOT DROP. INSPECT JOINTS FOR LEAKS. REPAIR LEAKS AND DEFECTS WITH NEW MATERIALS AND RETEST PIPING, OR PORTIONS THEREOF, UNTIL SATISFACTORY RESULTS ARE OBTAINED. INSTALL TEST TEES WHEN THE SYSTEM IS TO BE TESTED IN SECTIONS. LEAVE ROOF DRAINAGE PIPING UNCOVERED AND UNCONCEALED UNTIL IT HAS BEEN TESTED AND APPROVED.

TEST, INSPECT, AND PURGE NATURAL GAS PIPING SYSTEM IN ACCORDANCE TO THE INTERNATIONAL FUEL GAS CODE AND AUTHORITIES HAVING JURISDICTION.

PLUMBING LEGEND

SYMBOL	DESCRIPTION
FD	FLOOR DRAIN (SEE SCHEDULE)
HD	HUB DRAIN (SEE SCHEDULE)
WCO	WALL CLEANOUT (SEE SCHEDULE)
FCO	FLOOR CLEANOUT (SEE SCHEDULE)
GCO	GROUND CLEANOUT (SEE SCHEDULE)
VTR	VENT THROUGH ROOF
V	VENT PIPE
W	WASTE PIPING
S	SANITARY PIPING
CW	COLD WATER PIPING
HW	HOT WATER PIPING
P.R.V.	PRESSURE REDUCING VALVE
B.F.P.	BACKFLOW PREVENTER
U.N.O.	UNLESS NOTED OTHERWISE
TYP.	TYPICAL
DWN.	DOWN
SD	STORM DRAINAGE PIPING
FM	FORCE MAIN
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
CO	CLEANOUT
(E)	EXISTING
I.E.	INVERT ELEVATION
B.O.P.	BOTTOM OF PIPE ELEVATION
101	FULL PORT BALL VALVE
3/4"-WH	WALL HYDRANT (SEE PLUMBING SCHEDULE)
	PIPE DOWN
	PIPE UP

APPLICABLE CODES AND STANDARDS

CODES AND STANDARDS	EDITION
INTERNATIONAL BUILDING CODE (IBC)	2018
INTERNATIONAL PLUMBING CODE (IPC)	2018
INTERNATIONAL FUEL GAS CODE (IFGC)	2018
INTERNATIONAL ENERGY CONSERVATION CODE (IECC)	2015
ADA STANDARDS FOR ACCESSIBLE DESIGN	2013

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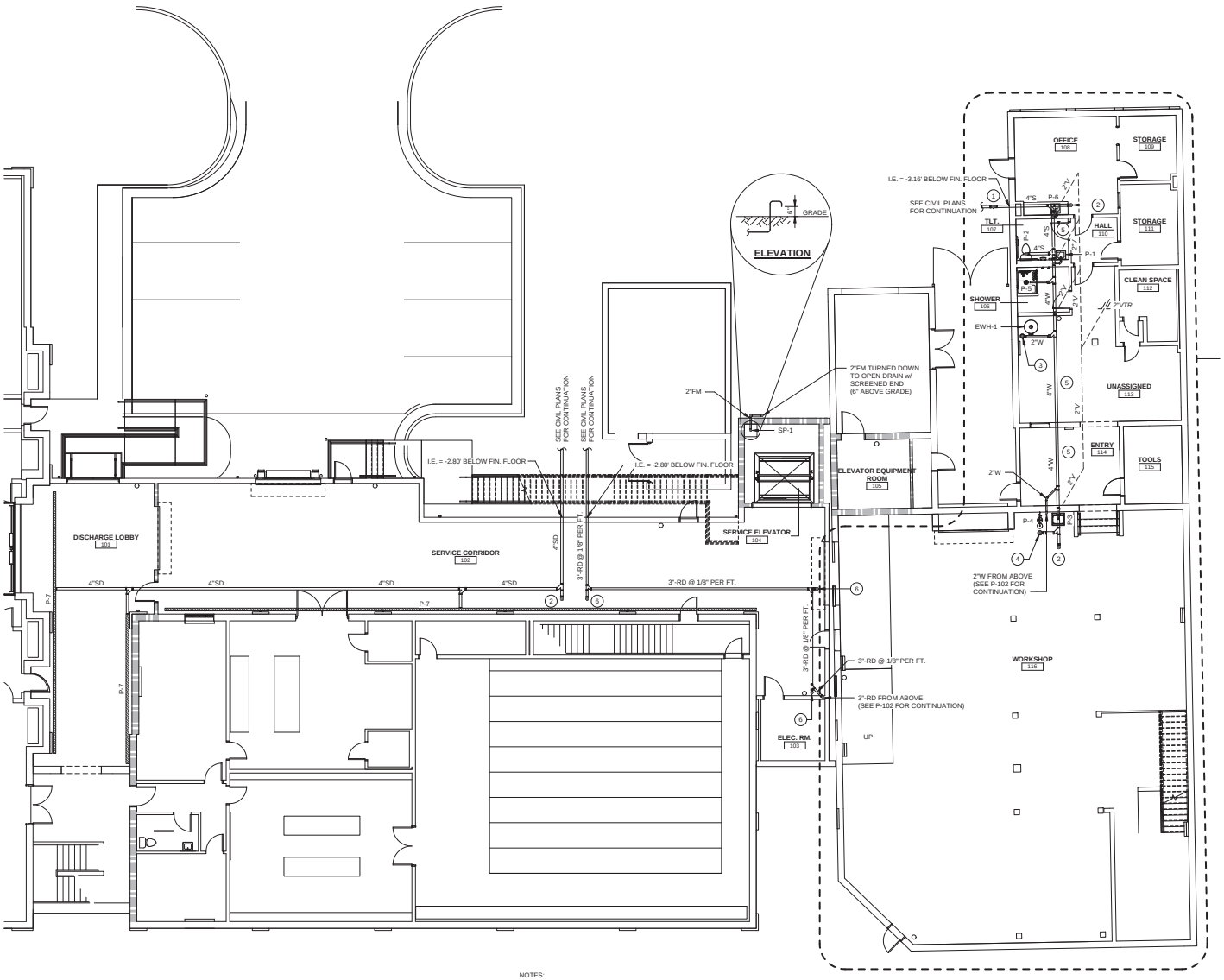
PROJECT NAME: AUGUSTA MUSEUM OF HISTORY

PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

REV.	DATE	BY	DESCRIPTION
0	08/03/22	CVW	ISSUED FOR CONSTRUCTION

PROJECT NO. 3042.2103
DRAWN BY: WBR
CHECKED BY: CVW
DATE: 08/03/2022
SHEET TITLE:
PLUMBING GENERAL NOTES AND LEGEND
SCALE: AS NOTED
DRAWING NO. **P-001**
REV. **0**



WASTE PIPING NOTES:

1. - 4"-GCO
2. - 4"-FCO
3. - 2"-FD
4. - 4"-FD
5. - SAWCUT EXISTING SLAB AS NECESSARY TO INSTALL NEW SANITARY, WASTE AND VENT PIPING. PATCH SLAB TO MATCH EXISTING. TYPICAL U.N.O. (FIELD VERIFY EXISTING CONDITIONS)
6. - 3"-FCO

ALTERNATE 4
SEE ARCHITECTURAL DRAWING NO. G-001

NOTES:
1. SEE PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL FIXTURE RUN-OUT SIZES.
2. PLUMBING CONTRACTOR SHALL COORDINATE UNDERGROUND PIPING WITH STRUCTURAL COLUMN AND FOOTING LOCATIONS. REROUTE PIPING AS NECESSARY TO AVOID INTERFERENCES.

1 / P-101 **FIRST FLOOR WASTE PIPING PLAN**
SCALE: 1/8" = 1'-0"

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

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PROJECT NAME: **AUGUSTA MUSEUM OF HISTORY**

PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

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DATE: 08/03/2022

SHEET TITLE:
FIRST FLOOR WASTE PIPING PLAN

SCALE: AS NOTED

DRAWING NO. **P-101** REV. **0**

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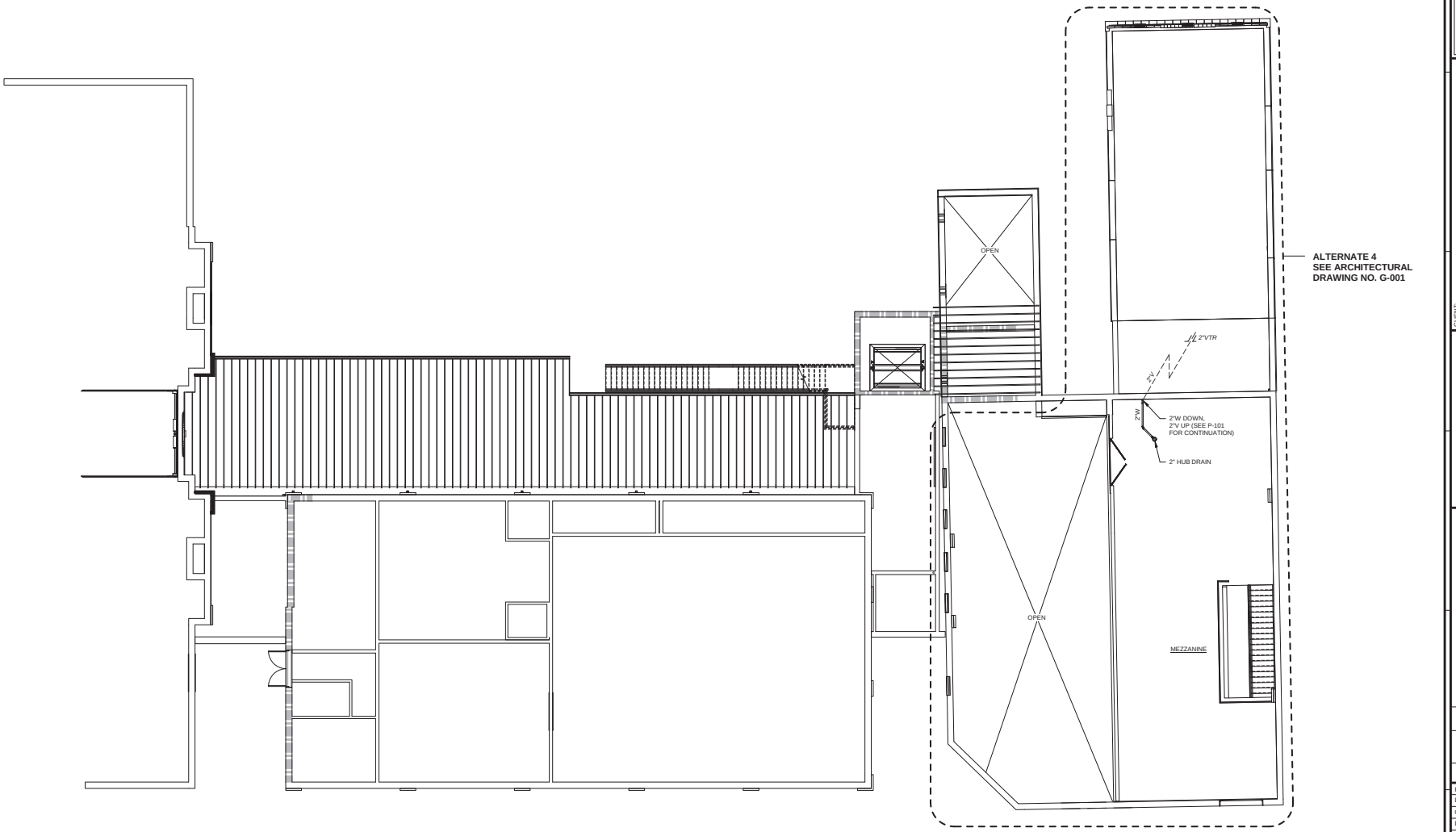

1 / P-102 **SECOND FLOOR WASTE PIPING PLAN**
SCALE: 1/8" = 1'-0"

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

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PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

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DRAWN BY: WBR
CHECKED BY: CVW
DATE: 08/03/2022

SHEET TITLE:
SECOND FLOOR WASTE PIPING PLAN

SCALE: AS NOTED

DRAWING NO. **P-102** REV. **0**

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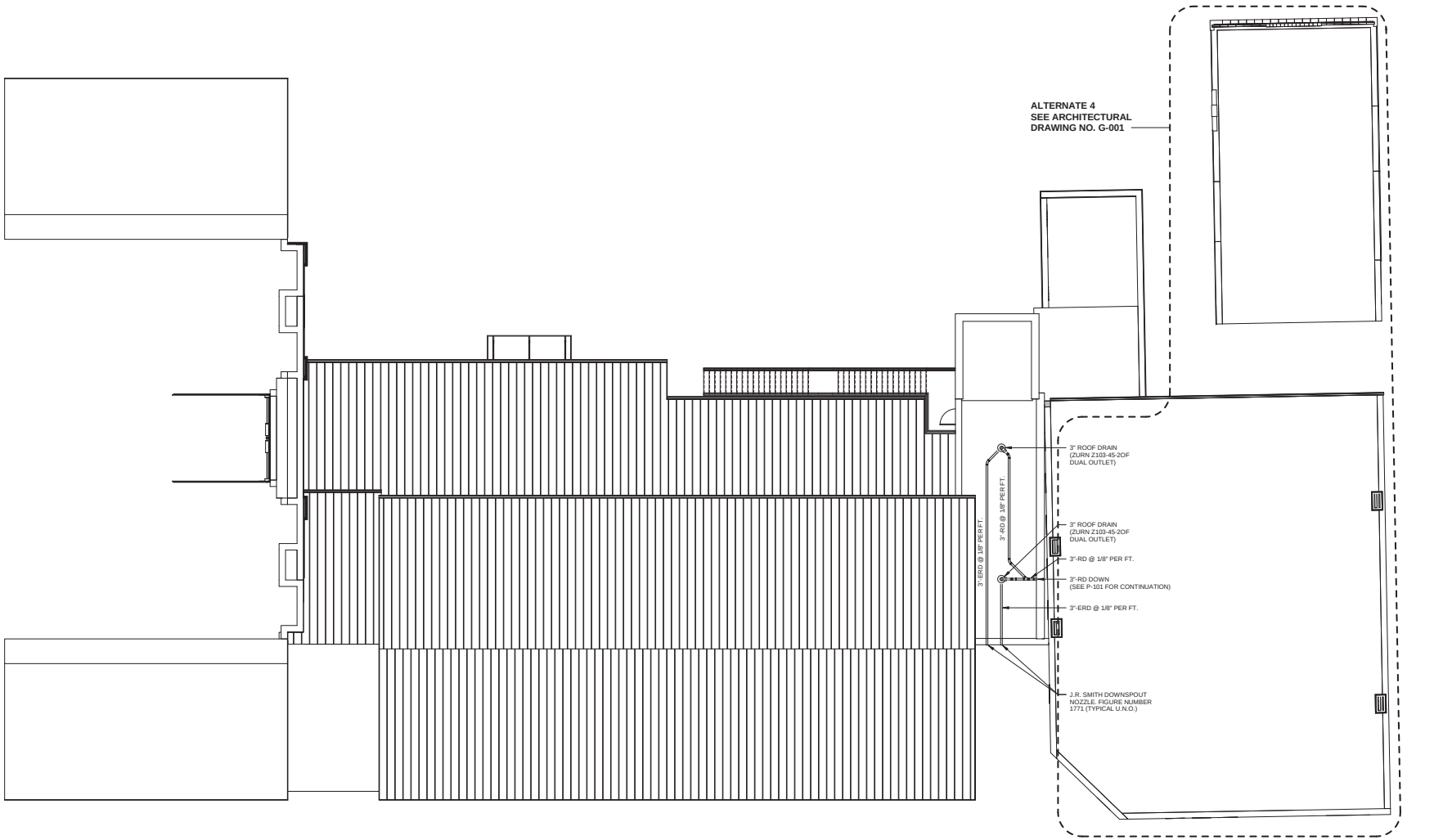

1 P-103 **ROOF DRAINAGE PIPING PLAN**
SCALE: 1/8" = 1'-0"

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"

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PROJECT NAME: **AUGUSTA MUSEUM OF HISTORY**

PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

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PROJECT NO.	3042.2103
DRAWN BY:	WBR
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DATE:	08/03/2022

SHEET TITLE: **ROOF DRAINAGE PIPING PLAN**

SCALE: AS NOTED

DRAWING NO. **P-103** REV. **0**

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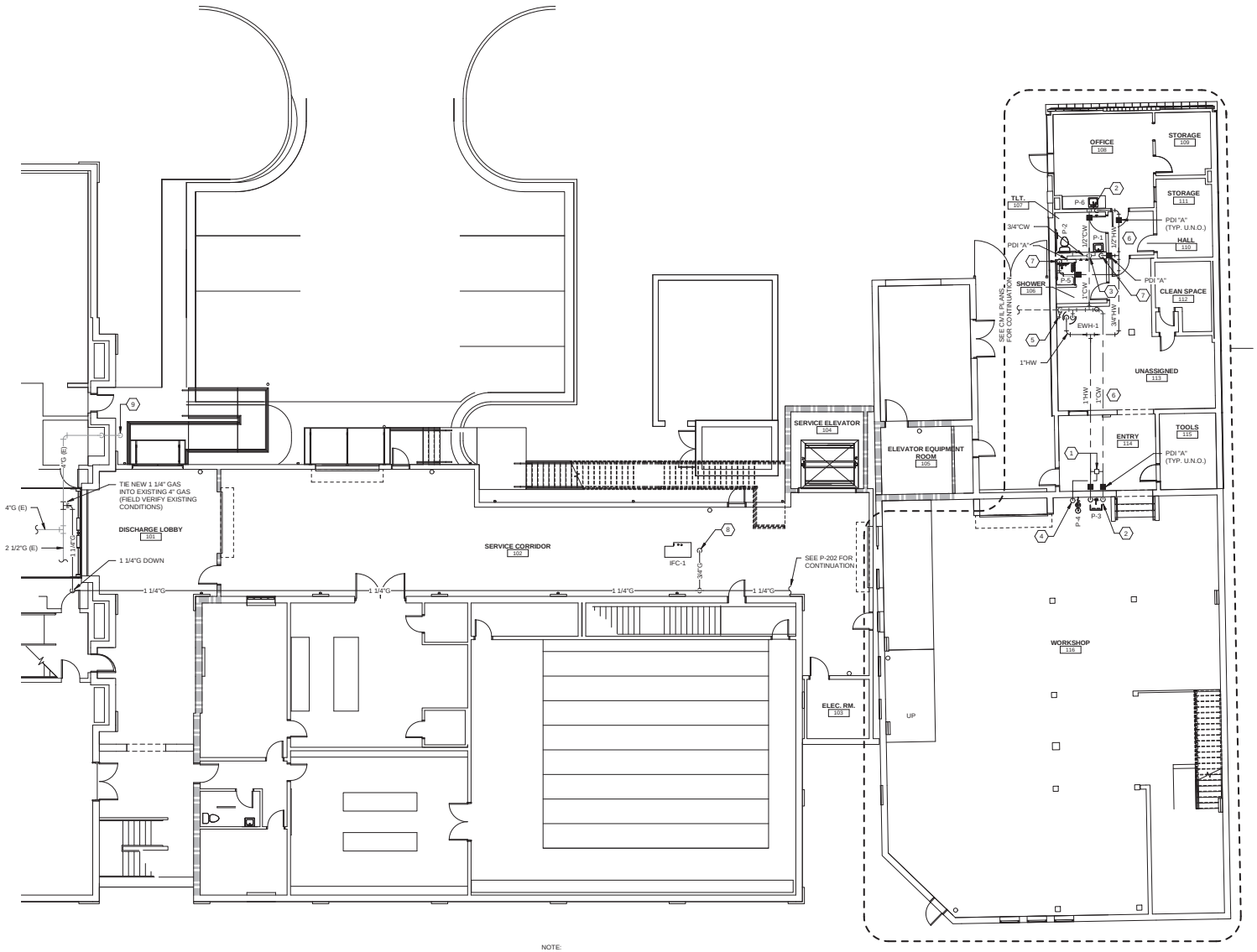

NOTE:
1. SEE PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL FIXTURE RUN-OUT SIZES.

1 P-201 **FIRST FLOOR POTABLE WATER AND GAS PIPING PLAN**
SCALE: 1/8" = 1'-0"

POTABLE WATER PIPING NOTES:

1. EMERGENCY THERMOSTATIC MIXING VALVE
2. 1/2"CW & HW DOWN
3. 1"CW DOWN
4. 1 1/4" TEMPERED WATER (70°F) DOWN
5. 1 1/4" WATER UP THRU SLAB w/ SLEEVE. (COORDINATE w/ GENERAL CONTRACTOR) PROVIDE SHUT-OFF VALVE. PROVIDE P.R.V. IF WATER PRESSURE ≥ 80 PSI. (PLUMBING CONTRACTOR TO VERIFY WATER PRESSURE IN THE FIELD)
6. POTABLE WATER PIPING IS LOCATED IN THE FIRST FLOOR CEILING SPACE (TYPICAL U.N.O.)
7. 1/2"HW DOWN
8. 3/4" GAS DOWN w/ GAS COCK AND DIRT LEG. (40 MBh INPUT)
9. EXISTING GAS METER TO REMAIN. EXISTING GAS LOAD = 3165 CFH. NEW GAS LOAD = 200 CFH. TOTAL CONNECTED GAS LOAD = 3365 CFH. DELIVERY PRESSURE = 7 IN. W.C. CRITICAL LENGTH = 250 FT.

ALTERNATE 4
SEE ARCHITECTURAL DRAWING NO. G-001

N

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"

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PROJECT NO.	3042.2103
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DATE:	08/03/2022

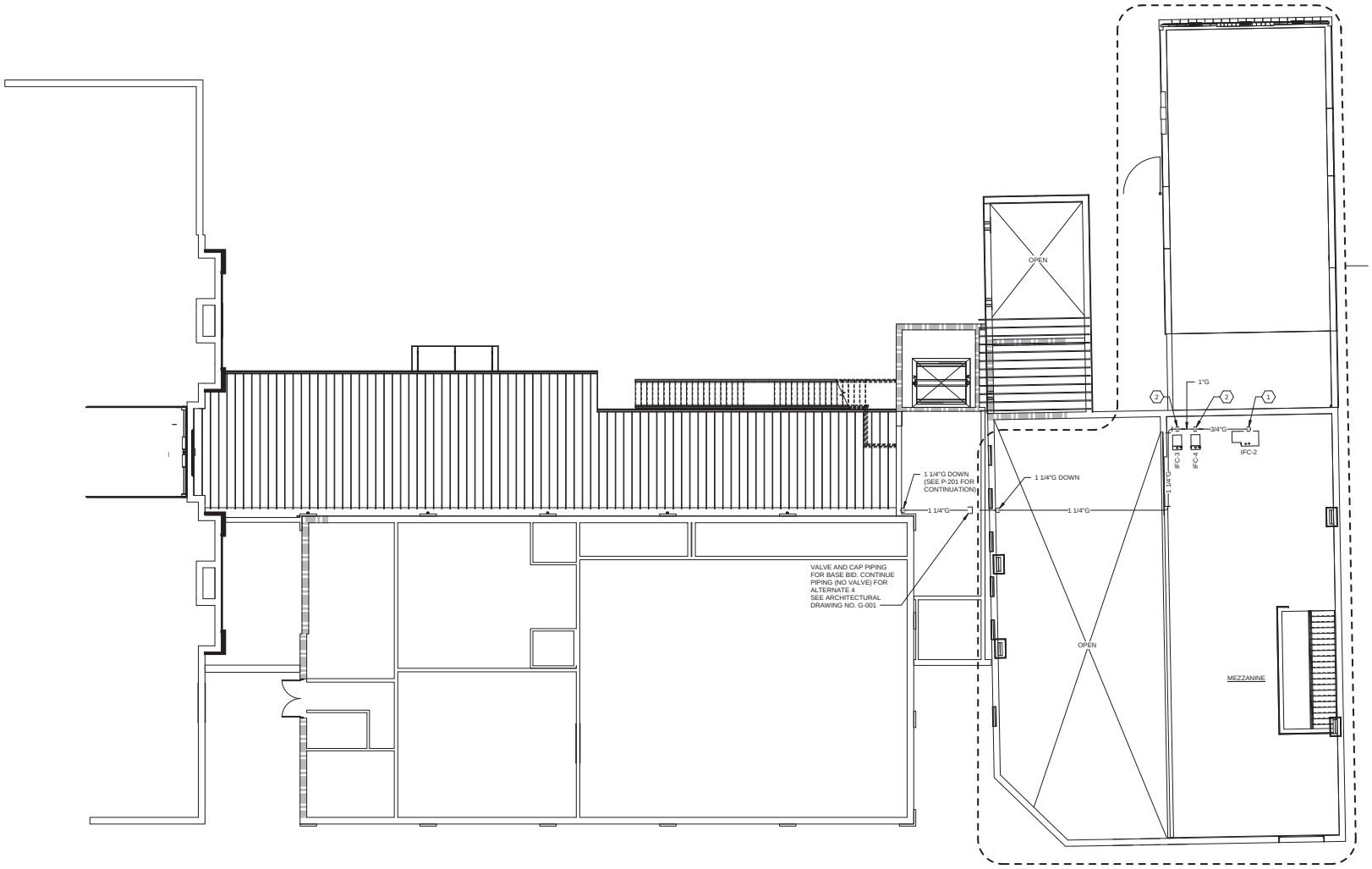
SHEET TITLE:
FIRST FLOOR POTABLE WATER AND GAS PIPING PLAN

SCALE: AS NOTED

DRAWING NO. **P-201** REV. **0**

SECOND FLOOR GAS PIPING NOTES:

1. 3/4" GAS DOWN w/ GAS COCK AND DIRT LEG. (40 MBh INPUT)
2. 3/4" GAS DOWN w/ GAS COCK AND DIRT LEG. (60 MBh INPUT)



1 P-202 **SECOND FLOOR GAS PIPING PLAN**
SCALE: 1/8" = 1'-0"

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PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

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SHEET TITLE:
SECOND FLOOR GAS PIPING PLAN

SCALE: AS NOTED

DRAWING NO. **P-202** REV. **0**

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PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	NOM. PIPE SIZE				DESCRIPTION
		CW	HW	W	V	
P-1	WALL-HUNG LAVATORY (H.C.)	1/2"	1/2"	2"	1 1/2"	AMERICAN STANDARD 0355.012 ACCESSIBLE LAVATORY, AMERICAN STANDARD 7385.050 FAUCET, GRID DRAIN, ANGLE STOPS, & 3/8" SUPPLIES, PLUMBEREX HANDY-SHIELD MODEL 2003
P-2	WATER CLOSET (H.C.)	1/2"	-	4"	2"	AMERICAN STANDARD CADET PRO 215AB.104, 1.28 GAL. FLUSH w/ CHURCH 295C TOILET SEAT
P-3	LAUNDRY TUB (FLOOR MOUNTED)	1/2"	1/2"	2"	2"	FIAT MODEL FL-1 LAUNDRY TUB w/ MODEL A-1 FAUCET AND STRAINER
P-4	SAFETY SHOWER w/ EYE WASH	1"	1"	-	-	HAWS MODEL 8320-8325 COMBINATION SHOWER & EYE/FACE WASH w/ HAWS MODEL 9201E THERMOSTATIC MIXING VALVE
P-5	SHOWER (H.C.) (LEFT HANDED SEAT)	1/2"	1/2"	2"	2"	FREEDOM SHOWER APFQ3637BF3P-RRF TRANSFER SHOWER, RIGHT HAND VALVE, FOLD-UP SEAT ON THE LEFT, CAULKLESS SHOWER DRAIN, GRAB BARS, SHOWER ROD AND CURTAIN, SYMMONS TEMPTROL C-96-1-X-1.5 SHOWER VALVE SYSTEM, SYMMONS T736-1.5 HAND SHOWER AND DUAL OUTLET DIVERTER VALVE
P-6	SINK	1/2"	1/2"	2"	1 1/2"	JUST SLX-1815-A-GR SINK 18"x15"x9" (3 HOLE), AMERICAN STANDARD 6540.178 FAUCET, ANGLE STOPS, & 3/8" SUPPLIES
P-7	TRENCH DRAIN SYSTEM	-	-	4"	-	J.R. SMITH 9930 SERIES ENVIRO-FLO II DRAIN SYSTEM
3/4"-WH	WALL HYDRANT	3/4"	-	-	-	J.R. SMITH MODEL 5509QT FOR 8" WALL THICKNESS. WARNING - FAUCET MUST BE INSTALLED w/ DOWNWARD PITCH TOWARD NOZZLE & HOSE MUST BE REMOVED IN FREEZING WEATHER OR FAUCET MAY FREEZE & BURST.
EWH-1	ELEC. WATER HEATER	1"	1"	-	-	A.O. SMITH MODEL DEN-80, 80 GALLON CAP. NON-SIMULTANEOUS 4500W, 208/1ø/60 RECOVERY RATE OF 18 GPH AT A 100° F TEMP. RISE (PROVIDE TACO LEAKBREAKER WATER HEATER SHUT-OFF)

NOTES:
1. ALL FIXTURES, FITTINGS, AND TRIM TO COMPLY WITH THE LATEST REVISION OF THE AMERICAN DISABILITIES ACT; WHERE APPLICABLE.
2. RIM HEIGHT SHALL COMPLY w/ ADA REQUIREMENTS AND STANDARD MANUFACTURER RECOMMENDED INSTALLATION HEIGHTS FOR NON-ADA FIXTURES.
3. PLUMBING CONTRACTOR TO COORDINATE w/ COUNTER TOP CONTRACTOR BEFORE ORDERING SINKS.

HANGERS & SUPPORTS

SPACING: DO NOT EXCEED THE FOLLOWING SPACING, ON CENTERS

PIPE SIZE	SCH. 40 PVC	COPPER	STEEL	HANGER ROD DIA.
1/2" - 3/4"	4 FT.	5 FT.	7 FT.	1/4"
1"	4 FT.	6 FT.	7 FT.	1/4"
1 1/2"	4 FT.	6 FT.	9 FT.	3/8"
2"	4 FT.	8 FT.	10 FT.	3/8"
2 1/2"	4 FT.	9 FT.	11 FT.	3/8"
3"	4 FT.	10 FT.	12 FT.	3/8"
4"	4 FT.	10 FT.	12 FT.	1/2"

WATER HAMMER ARRESTER SCHEDULE

SYMBOL	FIXTURE UNIT RATING
PDI "A"	1-11
PDI "B"	12-32
PDI "C"	33-60
PDI "D"	61-113
PDI "E"	114-154
PDI "F"	155-330

NOTE:
USE METAL-BELLOWS TYPE WITH PRESSURIZED METAL CUSHIONING CHAMBER, COMPLYING WITH STANDARD P.D.I. WH-201.

SUMP PUMP SCHEDULE

MARK	BASIS OF DESIGN		SERVES	GPM	T.D.H (FT)	ELECTRICAL V/Ø/Hz
	MANUFACTURER	MODEL				
SP-1	STANCOR	SE-50	ELEVATOR	50	20	115/1/60

NOTES:
1. PROVIDE STANCOR OIL-MINDER CONTROL SYSTEM OR EQUAL.
2. PROVIDE ACCESSIBLE CHECK VALVE AND GATE VALVE IN DISCHARGE PIPING OF SUMP PUMP.

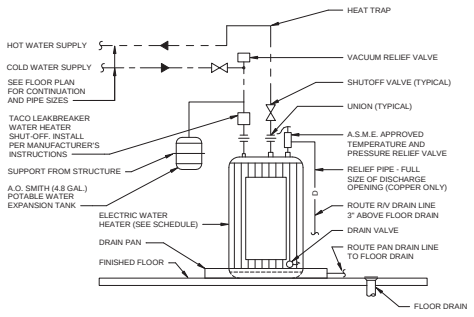
FLOOR DRAIN & CLEANOUT SCHEDULE

SYMBOL	BASIS OF DESIGN		PROVIDE	NOTES
	MANUFACTURER	MODEL		
FD	J.R. SMITH	2010-B	①②	
GCO	J.R. SMITH	4237		
FCO	J.R. SMITH	4040		
WCO	J.R. SMITH	4452-U		
HD	MIFAB	F1100-DD	②	

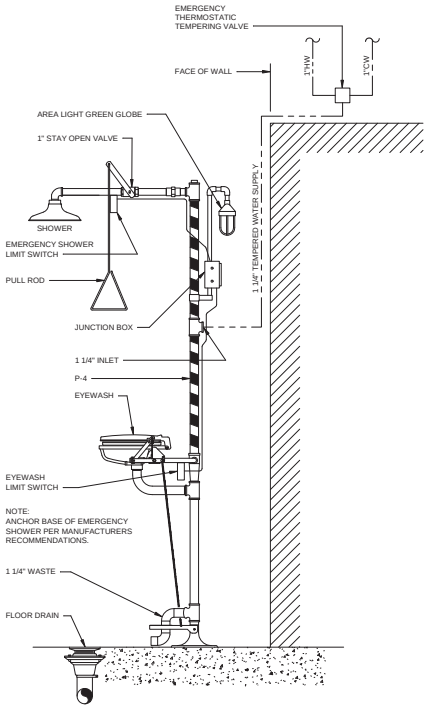
FLOOR DRAIN & CLEANOUT ACCESSORIES

①	PROVIDE MANUFAC. RECOMMENDED STRAINER SIZE BASED ON OUTLET SIZE	②	PROVIDE TRAP SEAL DEVICE (PROSET TRAP GUARD OR EQUAL)

NOTES:
1. PROVIDE PROSET "T-RITE" DRAINS ON ALL FLOOR/SHOWER/HUB DRAINS THAT ARE THROUGH PENETRATION OF A FIRE RATED FLOOR.
2. COORDINATE FLOOR FINISHES w/ FLOOR DRAINS AND FLOOR CLEANOUTS. (ADJUST FLOOR DRAIN AND FLOOR CLEANOUT ELEVATIONS AS REQUIRED)



1 / P-301 **ELECTRIC WATER HEATER SCHEMATIC**
NO SCALE



2 / P-301 **EMERGENCY SHOWER**
SCALE: 1" = 1'-0"

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DATE: 08/03/2022
SHEET TITLE:

PLUMBING SCHEDULES AND DETAILS

SCALE: AS NOTED
DRAWING NO. **P-301**
REV. **0**

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HVAC GENERAL NOTES:

GENERAL:
THESE GENERAL NOTES PRESENT AND/OR SUMMARIZE KEY PRODUCT INFORMATION FOR THE PLAN READER'S CONVENIENCE. SEE PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

WORK COVERED BY THIS DOCUMENT SHALL INCLUDE ALL LABOR, MATERIAL, PRODUCTS, AND SERVICES FOR, AND INCIDENTAL TO, INSTALLATION OF COMPLETE AND OPERATING HVAC SYSTEMS DRAWN OR SPECIFIED.

ALL WORK SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES INCLUDING, BUT NOT LIMITED TO, NFPA 13, NATIONAL ELECTRICAL CODE, AND INTERNATIONAL MECHANICAL CODE w/ AMENDMENTS.

ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY THE ARCHITECT OR ENGINEER.

INSTALL ALL MECHANICAL EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS.

ARRANGEMENTS OF MECHANICAL WORK SHALL BE AS SHOWN. DRAWINGS ARE NOT INTENDED TO INDICATE ALL OFFSETS AND FITTINGS. EXAMINE ALL DRAWINGS, INVESTIGATE CONDITIONS TO BE ENCOUNTERED AND ARRANGE WORK ACCORDINGLY; FURNISH AND INSTALL ALL FITTINGS AND OFFSETS.

DRAWINGS ARE NOT INTENDED TO SHOW IN DETAIL EXACT LOCATIONS AND CONNECTIONS FOR EQUIPMENT AND ACCESSORIES. FINAL CONNECTIONS SHALL BE AS SHOWN ON APPROVED SHOP DRAWINGS.

MEASUREMENT OF DRAWINGS BY SCALE SHALL NOT BE USED AS DIMENSIONS FOR FABRICATION. MEASUREMENTS FOR LOCATING EQUIPMENT, DUCTWORK, PIPING AND ACCESSORIES SHALL BE MADE ON THE JOB SITE AND SHALL BE BASED ON ACTUAL JOB CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEASUREMENTS. WHERE THE CONTRACTOR PREFABRICATES ANY WORK BASED ON THE DRAWINGS WITHOUT VERIFYING ACTUAL JOB CONDITIONS, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COSTS INVOLVED IN MAKING CHANGES TO PREFABRICATED WORK WHERE CONFLICTS OCCUR.

THE CONTRACTOR SHALL CHECK CEILING HEIGHTS IN EACH SPACE ON ARCHITECTURAL DRAWINGS AND SHALL ARRANGE ALL MECHANICAL WORK TO FIT IN THE SPACE ABOVE THE CEILING ALLOWING FOR ACCESS TO REMOVE TILE. PARTICULAR ATTENTION SHALL BE DIRECTED TOWARD DUCT SIZES AS SHOWN ON DRAWINGS, TO VERIFY THAT DUCTWORK ALONG WITH ALL OTHER WORK WILL FIT IN THE SPACE ABOVE THE CEILINGS. AFTER VERIFYING DIMENSIONS, IF THE CONTRACTOR DETERMINES THAT THE WORK WILL NOT FIT IN THE SPACE INDICATED, THEN THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF THE CONFLICT AND SHALL NOT INSTALL ANY WORK UNTIL INSTRUCTIONS ARE RECEIVED FROM THE ARCHITECT/ENGINEER. IF THE CONTRACTOR INSTALLS WORK AS SHOWN ON DRAWINGS WITHOUT VERIFYING ADEQUACY OF SPACES, AND THE WORK DOES NOT FIT THE SPACE SHOWN, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR REARRANGING WORK AND CHANGING DUCT SIZES AS REQUIRED TO FIT THE SPACE AND THE CONTRACTOR SHALL PAY ALL COSTS CONNECTED WITH THE CHANGES.

CONTRACTOR SHALL INSTALL DUCTS, PIPING AND EQUIPMENT IN A NEAT AND WORKMANLIKE MANNER AND SHALL AVOID CONFLICT WITH OTHER WORK. EQUIPMENT SHALL BE SO ARRANGED AND FITTED INTO AVAILABLE SPACE SO THAT WORKING PARTS INCLUDING FILTERS AND LUBRICATION POINTS, AND COIL REMOVAL ARE ACCESSIBLE FOR SERVICE WITHOUT DAMAGE TO BUILDING STRUCTURE OR FINISHES OR WITHOUT MOVING OTHER EQUIPMENT. THE CONTRACTOR SHALL NOT INSTALL ANY EQUIPMENT WHERE PARTS ARE INACCESSIBLE FOR SERVICE.

WHERE MOUNTING HEIGHTS ARE NOT DETAILED OR DIMENSIONED, INSTALL SYSTEMS, MATERIALS, AND EQUIPMENT TO PROVIDE MAXIMUM HEADROOM POSSIBLE.

EXACT LOCATION OF GRILLES & CEILING OUTLETS SHALL BE DETERMINED ON THE JOB. COORDINATE WITH LIGHTS AND ARCHITECTURAL REQUIREMENTS TO PROVIDE A UNIFORM & SYMMETRICAL APPEARANCE. REFER TO ARCHITECTURAL & ELECTRICAL DRAWINGS & DETAILS.

CUTTING AND REPAIRING: THE HVAC CONTRACTOR SHALL DO ALL CUTTING AND REPAIRING OF WALLS, FLOORS, CEILINGS, ETC. NECESSARY FOR THE INSTALLATION OF THE WORK BUT HE SHALL NOT CUT INTO ANY STRUCTURAL MEMBER WITHOUT THE PERMISSION OF THE ARCHITECT.

PROVIDE UNION OR FLANGE CONNECTIONS IN PIPING AT ALL EQUIPMENT & AS REQUIRED FOR SERVICE.

GENERAL CONTRACTOR TO PROVIDE ACCESS PANELS FOR ALL INACCESSIBLE, ABOVE CEILING DAMPERS AND EQUIPMENT. COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

METAL DUCT:
ALL DUCTWORK SHALL BE INSTALLED IN STRICT COMPLIANCE WITH SMACNA, NFPA BULLETIN 90A, AND ASHRAE GUIDES. UNLESS OTHERWISE NOTED, DUCTWORK SHALL BE GALVANIZED SHEET STEEL. FIBERGLASS DUCTWORK IS NOT ACCEPTABLE

ALL EXPOSED SUPPLY AND RETURN DUCTWORK SHALL BE RECTANGULAR GALVANIZED LINED DUCT WITH PAINT GRIP PRIMER OR DOUBLE WALL INSULATED SPIRAL DUCT WITH PAINT GRIP PRIMER, U.N.O..

MINIMUM DUCTWORK STATIC PRESSURE CLASS SHALL BE 1-INCH W.G. MINIMUM DUCT SEAL CLASS SHALL BE CLASS "A".

ALL DUCT DIMENSIONS ARE CLEAR INSIDE DIMENSIONS. ON RECTANGULAR DUCTS, DIMENSIONS GIVEN FIRST IS DIMENSION SEEN. DUCT DIMENSIONS MAY BE ALTERED AS LONG AS SAME DUCT CROSS SECTIONAL AREA IS MAINTAINED, IN ORDER TO AVOID INTERFERENCES AS NEEDED.

MANUAL VOLUME DAMPERS: DAMPERS SHALL BE SAME MATERIAL AS DUCTWORK, PER SMACNA. PROVIDE AXLES FULL LENGTH OF DAMPER BLADES AND BEARINGS AT BOTH ENDS OF OPERATING SHAFT. PROVIDE MANUAL VOLUME DAMPERS IN ALL BRANCH DUCTS (ONE PER SUPPLY AND RETURN OUTLET).

FLEXIBLE CONNECTIONS: GLASS FABRIC DOUBLE COATED WITH NEOPRENE, 26 OZ. PER SQUARE YARD, COMPLYING WITH UL 181, CLASS 1. PROVIDE FLEXIBLE CONNECTION BETWEEN ALL EQUIPMENT AND RIGID DUCTWORK. FABRIC CONNECTIONS SHALL BE AT LEAST 3.5 INCHES WIDE AND HAVE A METAL-EDGED CONNECTOR AT EACH END. PROVIDE METAL COMPATIBLE WITH CONNECTED DUCTS.

TURNING VANES: GALVANIZED STEEL, COMPLYING WITH SMACNA. VANES SHALL BE SINGLE WALL FOR DUCTS UP TO 48 INCHES WIDE AND DOUBLE WALL FOR LARGER DIMENSIONS. ALL 90 DEGREE SQUARE ELBOWS AND TEES SHALL HAVE TURNING VANES (SUPPLY & RETURN DUCT).

DUCT INSULATION:
ALL CONCEALED SUPPLY AND RETURN DUCTS SHALL BE INSULATED WITH 2.2 INCH THICK MINERAL-FIBER BLANKET INSULATION, ASTM C553 TYPE II AND ASTM C1290 TYPE III, WITH FACTORY-APPLIED FSK JACKET AND 3/4 LB. NOMINAL DENSITY, EQUAL TO CERTAINTEED "SOFTTOUCH DUCT WRAP".

ALL OUTDOOR SUPPLY AND RETURN DUCTS SHALL BE INSULATED WITH 1.5 INCH THICK MINERAL-FIBER BOARD INSULATION, ASTM C612 TYPE IA OR TYPE IB, WITH FACTORY-APPLIED FSK JACKET AND 2 LB. NOMINAL DENSITY, EQUAL TO CERTAINTEED "CERTAPRO COMMERCIAL BOARD". INSTALL FIELD-APPLIED ALUMINUM JACKET, 0.020 INCH THICK, OVER INSULATION MATERIAL ON ALL OUTDOOR SUPPLY AND RETURN DUCTS.

DUCT LINER (NON-ACOUSTIC) SHALL BE 1 INCH THICK FLEXIBLE FIBROUS-GLASS, TYPE I DUCT LINER, COMPLYING WITH ASTM C1071 AND NFPA 90A OR NFPA 90B, EQUAL TO JOHNS MANVILLE "LINACOUSTIC RC".

ACOUSTIC DUCT LINER SHALL BE 1 INCH THICK FLEXIBLE FIBROUS-GLASS, TYPE I DUCT LINER, COMPLYING WITH ASTM C1071 AND NFPA 90A OR NFPA 90B, EQUAL TO JOHNS MANVILLE "LINACOUSTIC RC".

REFRIGERANT PIPING:
PROVIDE AND INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND IN SUCH A WAY AS TO BE INCONSPICUOUS AND FREE FROM ANY POSSIBLE CONDENSATION.

REFRIGERANT PIPING SHALL BE COPPER, TYPE ACR, ANNEALED-TEMPER TUBING AND WROUGHT-COPPER FITTINGS WITH SOLDERED JOINTS SUITABLE FOR CONNECTION WITH SILVER SOLDER.

ALL INDOOR REFRIGERANT SUCTION AND HOT GAS PIPING SHALL BE INSULATED WITH 1 INCH THICK FLEXIBLE CLOSED-CELL ELASTOMERIC INSULATION, EQUAL TO ARMACELL "AP ARMAFLEX".

ALL OUTDOOR REFRIGERANT SUCTION AND HOT GAS PIPING SHALL BE INSULATED WITH 2 INCH THICK FLEXIBLE CLOSED-CELL ELASTOMERIC INSULATION, EQUAL TO ARMACELL "AP ARMAFLEX".

CONDENSATE DRAIN PIPING:
ALL CONDENSATE DRAIN PIPING AND FITTINGS SHALL BE SCHEDULE 40 PVC WITH SOLVENT WELD JOINTS, CONFORMING TO ASTM D 1785, ASTM D 2466, AND ASTM 2564.

ALL CONDENSATE DRAIN PIPING LOCATED IN RETURN AIR PLENUMS SHALL BE DRAWN-TEMPER COPPER TUBING, TYPE DWV, CONFORMING TO ASTM B306, WITH WROUGHT-COPPER FITTINGS AND SOLDERED JOINTS, CONFORMING TO ASME B16.22.

ALL COPPER TUBING USED FOR INDOOR CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH 1 INCH THICK FLEXIBLE CLOSED-CELL ELASTOMERIC INSULATION, EQUAL TO ARMACELL "AP ARMAFLEX".

THERMAL HANGER SHIELD INSERTS:
INSTALL THERMAL HANGER SHIELD INSERT IN PIPE HANGER FOR INSULATED PIPING, WITH PROTECTIVE SADDLE. FOR COLD PIPING, INSERT MATERIAL SHALL BE ASTM C552, TYPE II

CELLULAR GLASS WITH 100-PSI OR ASTM C591, TYPE VI, GRADE 1 POLYISOCYANURATE WITH 125-PSI MINIMUM COMPRESSIVE STRENGTH AND VAPOR BARRIER. FOR HOT PIPING, INSERT MATERIAL SHALL BE WATER-REPELLENT-TREATED, ASTM C533, TYPE I CALCIUM SILICATE WITH 100-PSI, ASTM C552, TYPE II CELLULAR GLASS WITH 100-PSI, OR ASTM C591, TYPE VI, GRADE 1 POLYISOCYANURATE WITH 125-PSI MINIMUM COMPRESSIVE STRENGTH.

SLEEVES AND SLEEVE SEALS:
INSTALL SLEEVES FOR PIPING PASSING THROUGH PENETRATIONS IN FLOORS, PARTITIONS, ROOFS, AND WALLS. INSTALL SLEEVES IN CONCRETE FLOORS, CONCRETE ROOF SLABS, AND CONCRETE WALLS AS NEW SLABS AND WALLS ARE CONSTRUCTED; CUT SLEEVES TO LENGTH FOR MOUNTING FLUSH WITH BOTH SURFACES; USING GROUT OR SILICONE SEALANT, SEAL OUTSIDE OF SLEEVES IN SLABS AND WALLS WITHOUT SLEEVE-SEAL SYSTEM. INSTALL SLEEVES THAT ARE LARGE ENOUGH TO PROVIDE 1/4-INCH ANNULAR CLEAR SPACE BETWEEN SLEEVE AND PIPE OR PIPE INSULATION; SEAL ANNULAR SPACE BETWEEN SLEEVE AND PIPING OR PIPING INSULATION. FOR SLEEVES THAT WILL HAVE SLEEVE-SEAL SYSTEM INSTALLED, SELECT SLEEVES OF SIZE LARGE ENOUGH TO PROVIDE 1-INCH ANNULAR CLEAR SPACE BETWEEN PIPING AND CONCRETE SLABS AND WALLS; SLEEVES ARE NOT REQUIRED FOR CORE-DRILLED HOLES. MAINTAIN INDICATED FIRE OR SMOKE RATING OF WALLS, PARTITIONS, CEILINGS, AND FLOORS AT PIPE PENETRATIONS THROUGH RATED CONSTRUCTION; SEAL PIPE PENETRATIONS WITH FIRE- AND SMOKE-STOP MATERIALS.

USE SLEEVES AND SLEEVE SEALS FOR THE FOLLOWING PIPING-PENETRATION APPLICATIONS:
EXTERIOR CONCRETE WALLS ABOVE GRADE: STEEL PIPE SLEEVES, ASTM A 53, TYPE E, GRADE B, SCHEDULE 40, GALVANIZED, WITH PLAIN ENDS AND INTEGRAL WATERSTOP COLLAR.
EXTERIOR CONCRETE WALLS BELOW GRADE: CAST-IRON PIPE SLEEVES, WITH PLAIN ENDS AND INTEGRAL WATERSTOP COLLAR WITH SLEEVE-SEAL SYSTEM.
CONCRETE SLAB-ON-GRADE: CAST-IRON PIPE SLEEVES, WITH PLAIN ENDS AND INTEGRAL WATERSTOP COLLAR WITH SLEEVE-SEAL SYSTEM.
CONCRETE SLABS ABOVE GRADE: STACK-SLEEVE FITTINGS.
INTERIOR PARTITIONS: STEEL PIPE SLEEVES, ASTM A 53, TYPE E, GRADE B, SCHEDULE 40, GALVANIZED, WITH PLAIN ENDS AND INTEGRAL WELDED WATERSTOP COLLAR FOR PIPING SMALLER THAN NPS 6; GALVANIZED-STEEL SHEET SLEEVES, 0.0239-INCH MINIMUM THICKNESS, ROUND TUBE CLOSED WITH WELDED LONGITUDINAL JOINT FOR PIPING NPS 6 AND LARGER.

CONTROLS:
PROVIDE AND INSTALL CONTROL WIRING AND 7-DAY PROGRAMMABLE THERMOSTATS AS REQUIRED UNLESS OTHERWISE SPECIFIED. MOUNT THERMOSTATS 4'-0" A.F.F.

CONCRETE PADS:
PROVIDE 3000 PSI CONCRETE PAD FOR ALL GROUND AND FLOOR MOUNTED HVAC EQUIPMENT. PADS OUTDOORS ON GRADE SHALL BE 6 INCHES THICK AND EXTEND 4 INCHES ABOVE THE ADJACENT GRADE. PADS INDOORS SHALL BE NOMINALLY 4" THICK. PADS SHALL BE REINFORCED WITH 6"x6" 10\10 WIRE AND SHALL HAVE CHAMFERED EDGES. CONCRETE PADS SHALL EXTEND 3 INCHES BEYOND ALL SIDES OF UNIT.

ELECTRICAL:
ALL EQUIPMENT FURNISHED UNDER THIS DIVISION SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE REQUIREMENTS OF DIVISION 26. ALL POWER WIRING AND FINAL POWER CONNECTIONS TO THE SYSTEM SHALL BE PROVIDED UNDER DIVISION 26. CONTROL WIRING (120V AND LESS) SHALL BE PROVIDED UNDER DIVISION 23 AND EXTEND FROM THE INDICATED 120V POWER CIRCUIT INDICATED ON THE ELECTRICAL DRAWINGS. ALL ELECTRICAL CHARACTERISTICS SHALL BE TAKEN FROM THE ELECTRICAL DRAWINGS AND SPECIFICATIONS AND COORDINATED PRIOR TO ORDERING THE EQUIPMENT. ALL WIRING IN THE CEILING PLENUM SHALL BE PLENUM-RATED CABLE OR INSTALLED IN CONDUIT.

MOTORS AND STARTERS:
PROVIDE MOTORS, STARTERS, VARIABLE FREQUENCY DRIVES, PUSH BUTTONS, THERMAL OVERLOAD SWITCHES, AND CONTACTORS FOR EQUIPMENT COVERED HEREIN UNLESS OTHERWISE SPECIFIED. INSTALLATION OF STARTERS, PUSH BUTTONS, THERMAL OVERLOAD SWITCHES, AND CONTACTORS (NOT FACTORY INSTALLED) IS SPECIFIED UNDER DIVISION 26.

CLEANING AND ADJUSTING:
CLEAN ALL GREASE, OIL, PAINT, AND OTHER CONSTRUCTION DEBRIS FROM THE EXTERIOR SURFACES OF ALL MECHANICAL EQUIPMENT, PIPING, AND DUCTS. CLEAN ALL DUCTS, PLENUMS, AND CASINGS OF DEBRIS AND BLOWN FREE OF ALL PARTICLES OF RUBBISH AND DUST PRIOR TO INSTALLATION OF OUTLET FACES.

BEARINGS THAT REQUIRE LUBRICATION SHALL BE LUBRICATED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALL CONTROL EQUIPMENT SHALL BE ADJUSTED TO THE SETTINGS INDICATED OR REQUIRED FOR PERFORMANCE AS SPECIFIED. REMOVE ALL STICKERS, RUST, STAINS, LABELS, AND TEMPORARY COVERS BEFORE FINAL ACCEPTANCE. REMOVE FOREIGN MATTER FROM EQUIPMENT, PIPING AND DUCTWORK SYSTEMS AND APPURTENANCES. CLEAN AND POLISH IDENTIFICATION PLATES.

REMOVE ALL TRASH AND DEBRIS FROM THE JOBSITE ON A DAILY BASIS.

TESTING, ADJUSTING, AND BALANCING:
ALL WORK SHALL BE TESTED AND BALANCED BY AN INDEPENDANT CERTIFIED TAB SPECIALIST. TAB SPECIALIST SHALL BE CERTIFIED BY AABC, NEBB, OR TABB.

SUBMIT FINAL TEST AND BALANCE REPORT FOR REVIEW AND APPROVAL PRIOR TO TURN-OVER OF FINAL PROJECT.

HVAC LEGEND

SYMBOL	DESCRIPTION
	SUPPLY DIFFUSER
	RETURN GRILLE
SD-7 / 150	MARK/CFM (SEE AIR DISTRIBUTION DEVICE SCHEDULE)
30x14	DUCT SIZE (WIDTHxHEIGHT)
	MANUAL VOLUME DAMPER
FD	FIRE DAMPER
T IFC-1	THERMOSTAT, WALL MOUNTED, UNIT SERVED
Ø	ROUND (DIAMETER)
	AIR FLOW DIRECTION
C	CONDENSATE DRAIN PIPING
	NEW DUCTWORK
CA	COMBUSTION AIR
SA	SUPPLY AIR
RA	RETURN AIR
EA	EXHAUST AIR
OA	OUTDOOR AIR
U.N.O.	UNLESS NOTED OTHERWISE

APPLICABLE CODES AND STANDARDS

CODES AND STANDARDS	EDITION
INTERNATIONAL BUILDING CODE (IBC)	2018
INTERNATIONAL MECHANICAL CODE (IMC)	2018
INTERNATIONAL FUEL GAS CODE (IFGC)	2018
INTERNATIONAL ENERGY CONSERVATION CODE (IECC)	2015
ASHRAE 62.1	2016
ASHRAE 90.1	2013
NFPA 13	2019
NFPA 90A	2018
NFPA 90B	2018
NATIONAL ELECTRICAL CODE (NEC)	2020

DESIGN CONDITIONS

	SUMMER	WINTER	COMMENTS
INDOORS	70°Fdb 50%RH	68°Fdb	1,2
OUTDOORS	94°Fdb / 76°Fwb	21°Fdb	1,2

1. OUTDOOR AIR QUANTITIES BASED ON IMC VENTILATION RATES AND NATURAL VENTILATION
2. BASED ON GEORGIA ENGERGY CODE

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CLIENT: AUGUSTA MUSEUM OF HISTORY
560 REYNOLDS ST., AUGUSTA, GA 30901

PROJECT NAME: AUGUSTA MUSEUM OF HISTORY

PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

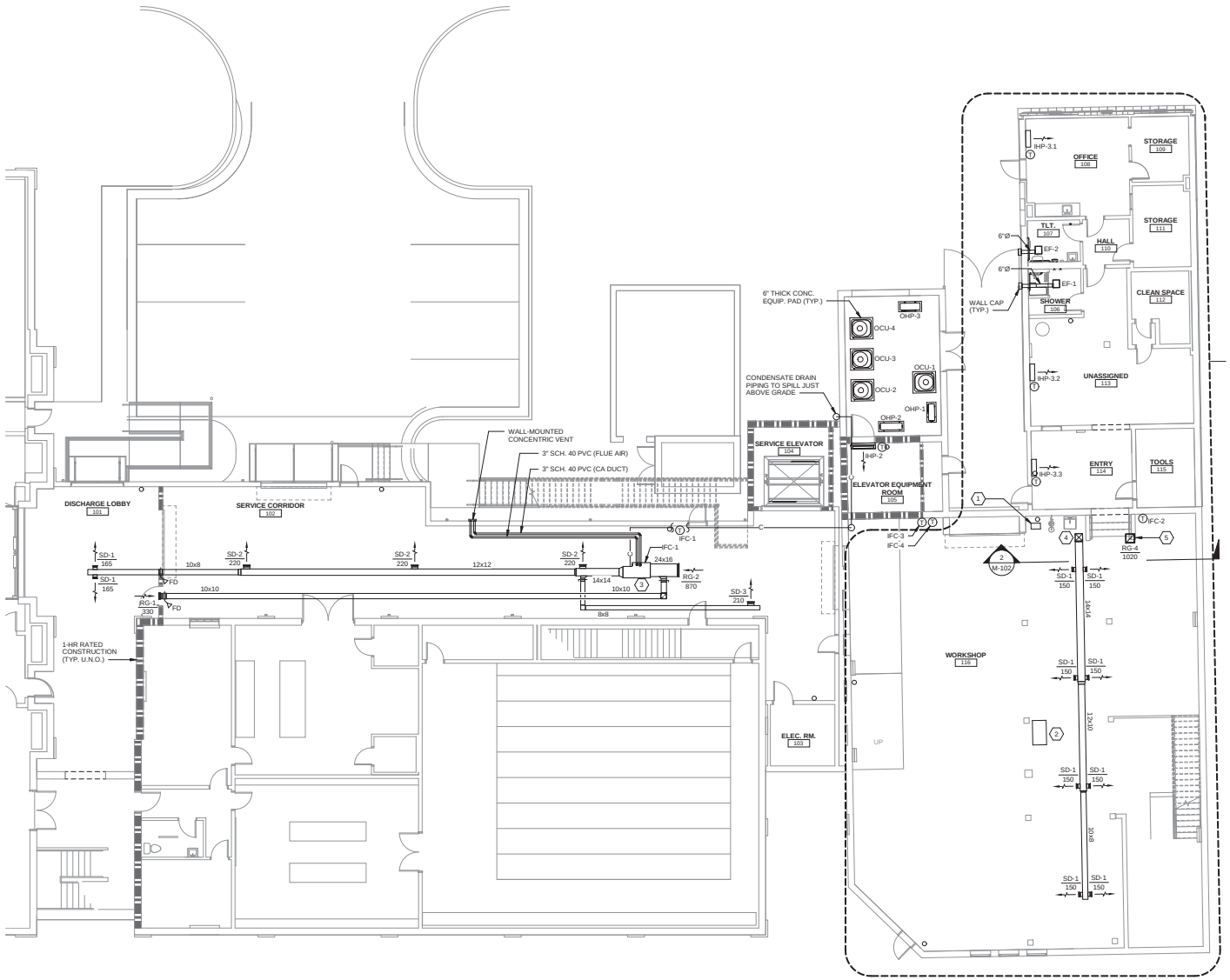
REV.	DATE	BY	DESCRIPTION
0	08/03/22	MNB	ISSUED FOR CONSTRUCTION

PROJECT NO. 3042.2103
DRAWN BY: MNB
CHECKED BY: CVW
DATE: 08/03/2022
SHEET TITLE: HVAC GENERAL NOTES AND LEGEND
SCALE: AS NOTED
DRAWING NO. M-001
REV. 0

8/3/2022 9:43:06 AM C:\REVIT - Local Projects\3042.2103 Augusta Museum Expansion Corridor\3042103_HVAC_Local.rvt

HVAC CONSTRUCTION NOTES:

1. MITSUBISHI BRANCH BOX FOR 5 BRANCHES, MODEL PAC-MKA52BC, HUNG FROM MEZZANINE STRUCTURE ABOVE. BRANCH BOX IS POWERED BY OHP-3. FIELD ROUTE REFRIGERANT PIPING FROM BRANCH BOX TO IHP-3.1, IHP-3.2, AND IHP-3.3.
2. AIR FILTRATION SYSTEM, JET MODEL AFS-2000, OR EQUAL, WITH REMOTE CONTROL. HANG FROM MEZZANINE STRUCTURE ABOVE WITH THE BOTTOM OF THE AIR FILTRATION SYSTEM 8'-6" A.F.F.. MOTOR IS 1/3-HP AT 115/1/60.
3. INDOOR FURNACE/COOLING COIL SUSPENDED FROM STRUCTURE. SEE STRUCTURAL DRAWINGS FOR MODIFIED STRUCTURE TO SUPPORT UNIT. BOTTOM OF UNIT IS 11'-0" A.F.F..
4. 14x14 SA DUCT DOWN FROM MEZZANINE. SEE 1/M-102 FOR CONTINUATION.
5. 16x16 RA DUCT DOWN FROM MEZZANINE TO RETURN GRILLE. SEE 1/M-102 FOR CONTINUATION.



1 M-101 **FIRST FLOOR HVAC PLAN**
SCALE: 1/8" = 1'-0"

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

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560 REYNOLDS ST., AUGUSTA, GA 30901

PROJECT NAME: **AUGUSTA MUSEUM OF HISTORY**

PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

REV.	DATE	BY	DESCRIPTION
0	08/03/22	MNB	ISSUED FOR CONSTRUCTION

PROJECT NO.	3042.2103
DRAWN BY:	MNB
CHECKED BY:	CVW
DATE:	08/03/2022
SHEET TITLE:	FIRST FLOOR HVAC PLAN
SCALE	AS NOTED
DRAWING NO.	M-101
REV.	0

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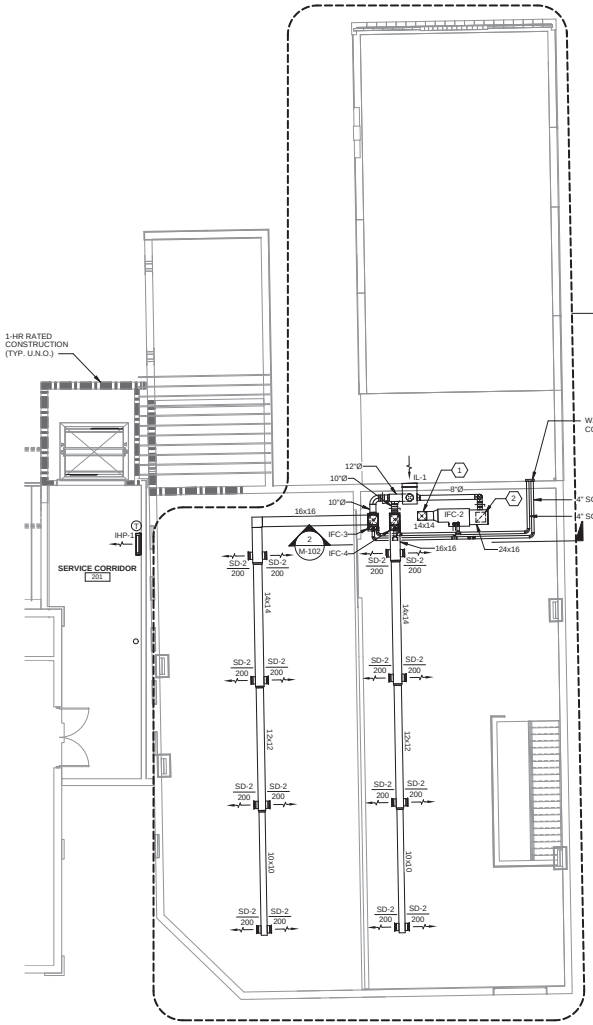
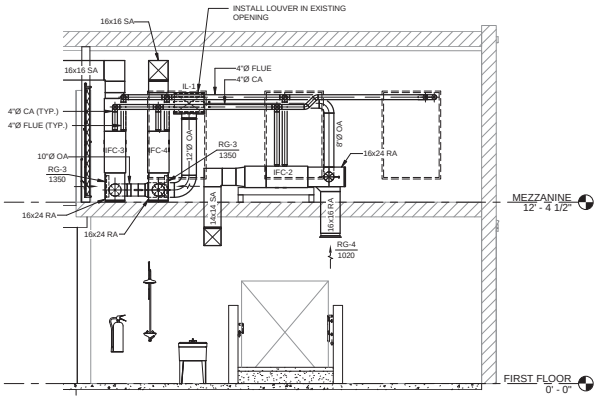
HVAC CONSTRUCTION NOTES:

1. 14x14 SA DUCT DOWN TO FIRST FLOOR. SEE 1/M-101 FOR CONTINUATION.
2. 16x16 RA DUCT DOWN TO FIRST FLOOR. SEE 1/M-101 FOR CONTINUATION.



1 M-102 **SECOND FLOOR HVAC PLAN**
SCALE: 1/8" = 1'-0"



3 M-102 **116 WORKSHOP HVAC SECTION VIEW**
SCALE: 1/4" = 1'-0"

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

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

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PROJECT NAME: **AUGUSTA MUSEUM OF HISTORY**

PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

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0	08/03/22	MNB	

PROJECT NO.	3042.2103
DRAWN BY:	MNB
CHECKED BY:	CVW
DATE:	08/03/2022

SHEET TITLE:
SECOND FLOOR HVAC PLANS

SCALE	AS NOTED

DRAWING NO. **M-102** REV. **0**

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OUTDOOR CONDENSING UNIT SCHEDULE

MARK	BASIS OF DESIGN		COOLING CAPACITY		REFRIG. O.D.		MIN. EER/SEER	ELECTRICAL					NOTES
	MANUFACTURER	MODEL	TOTAL (MBH)	SENSIBLE (MBH)	LIQUID	SUCTION		MCA	MOCP	VOLTAGE	PHASE	HZ	
OCU-1	TRANE	4TTR4036L1	35.3	26.2	3/8	3/4	14.0	18.0	30	208	1	60	1
OCU-2	TRANE	4TTR4036L1	35.3	26.2	3/8	3/4	14.0	18.0	30	208	1	60	2
OCU-3	TRANE	4TTR4048L1	48.0	36.9	3/8	7/8	14.0	24.0	40	208	1	60	2
OCU-4	TRANE	4TTR4048L1	48.0	36.9	3/8	7/8	14.0	24.0	40	208	1	60	2

1. BASE BID
2. ALTERNATE 4

INDOOR FURNACE/COOLING COIL UNIT SCHEDULE

MARK	BASIS OF DESIGN			E.S.P. (IN WC)	NOM. CFM	OA CFM	HEATING		ELECTRICAL					NOTES
	MANUFACTURER	FURNACE MODEL	COOLING COIL MODEL				INPUT (MBH)	MIN. EFF. (%)	MCA	MOCP	VOLTAGE	PHASE	HZ	
IFC-1	TRANE	S9X1B040U3PSB	4TXCB003DS3	0.5	1,200	0	40.0	96.0	8.8	15	115	1	60	2,3,4,5,6,7
IFC-2	TRANE	S9X1B040U3PSB	4TXCB003DS3	0.5	1,200	180	40.0	96.0	8.8	15	115	1	60	1,2,3,4,6,8
IFC-3	TRANE	S9X2B060U4PSB	4TXCB006DS3	0.5	1,600	250	60.0	96.0	11.3	15	115	1	60	1,2,3,4,6,8
IFC-4	TRANE	S9X2B060U4PSB	4TXCB006DS3	0.5	1,600	250	60.0	96.0	11.3	15	115	1	60	1,2,3,4,6,8

1. FIELD ROUTE CONDENSATE DRAIN PIPING TO FLOOR DRAIN ON MEZZANINE
2. FIELD ROUTE REFRIGERANT PIPING TO CORRESPONDING OCU U.N.O.
3. MIN. MERV 8 FILTER
4. CONDENSING FURNACE
5. FIELD ROUTE CONDENSATE DRAIN PIPING TO OUTDOORS BEHIND 104 SERVICE ELEVATOR
6. INSTALL BIPOLAR IONIZATION DEVICE GPS MODEL GPS-FC48-AC, OR EQUAL, IN UNIT
7. BASE BID
8. ALTERNATE 4

DUCTLESS OUTDOOR HEAT PUMP SCHEDULE

MARK	BASIS OF DESIGN		TOTAL COOLING (MBH)	TOTAL HEATING (MBH)	REFRIG. O.D.		MIN. EER/SEER	ELECTRICAL					NOTES
	MANUFACTURER	MODEL			LIQUID	SUCTION		MCA	MOCP	VOLTAGE	PHASE	HZ	
OHP-1	MITSUBISHI	PUZ-A12NKA7	11.5	8.9	1/4	1/2	14.0	11.0	28	208	1	60	1,2,3,5
OHP-2	MITSUBISHI	PUY-A36NKA7	36.3	-	3/8	5/8	14.0	25.0	30	208	1	60	1,2,3,5
OHP-3	MITSUBISHI	MXZ-4C36NAHZ2	35.4	45.7	3/8	5/8	14.0	42.0	50	208	1	60	1,2,4,6

1. UNIT POWERS CORRESPONDING IHP UNIT(S)
2. PROVIDE DISCONNECT SWITCH
3. FIELD ROUTE REFRIGERANT PIPING TO CORRESPONDING IHP U.N.O.
4. PROVIDE BRANCH BOX FOR 5 BRANCHES, MITSUBISHI MODEL PAC-MKA52BC. FIELD ROUTE REFRIGERANT PIPING FROM OHP-3 TO BRANCH BOX
5. BASE BID
6. ALTERNATE 4

DUCTLESS INDOOR HEAT PUMP SCHEDULE

MARK	BASIS OF DESIGN		NOM. CFM	OA CFM	COOLING		HEATING	ELECTRICAL					NOTES
	MANUFACTURER	MODEL			TOTAL (MBH)	SENSIBLE (MBH)	(MBH)	MCA	MOCP	VOLTAGE	PHASE	HZ	
IHP-1	MITSUBISHI	PKA-A12LA	455	0	11.5	8.8	8.9	1.0	NOTE 2	208	1	60	1,2,4,5,9,10
IHP-2	MITSUBISHI	PKA-A36KA7	920	0	36.3	25.4	-	1.0	NOTE 2	208	1	60	1,2,4,5,6,10
IHP-3.1	MITSUBISHI	MSZ-GL12NA	400	NOTE 8	11.9	8.9	14.3	1.0	NOTE 2	208	1	60	1,2,3,5,7,8,9,11
IHP-3.2	MITSUBISHI	MSZ-GL09NA	400	NOTE 8	9.0	8.0	10.8	1.0	NOTE 2	208	1	60	1,2,3,5,7,8,9,11
IHP-3.3	MITSUBISHI	MSZ-GL06NA	400	NOTE 8	6.0	6.0	7.2	1.0	NOTE 2	208	1	60	1,2,3,5,7,8,9,11

1. PROVIDE WITH DISCONNECT
2. UNIT IS POWERED FROM FROM CORRESPONDING OHP
3. PROVIDE MINI-CONDENSATE PUMP (208V)
4. FIELD ROUTE CONDENSATE DRAIN PIPING TO OUTDOORS BEHIND 104 SERVICE ELEVATOR
5. PROVIDE FILTER
6. COOLING ONLY UNIT
7. FIELD ROUTE CONDENSATE DRAIN PIPING TO FD IN ROOM 113
8. NATURAL VENTILATION
9. INSTALL BIPOLAR IONIZATION DEVICE GPS MODEL GPS-FC24-AC, OR EQUAL, IN UNIT
10. BASE BID
11. ALTERNATE 4

EXHAUST FAN SCHEDULE

MARK	BASIS OF DESIGN		TYPE	E.S.P. (IN WC)	NOM. CFM	SONES	ELECTRICAL					NOTES
	MANUFACTURER	MODEL					FRPM MAX	MOTOR POWER	VOLTAGE	PHASE	HZ	
EF-1	GREENHECK	SP-B50	CEILING	0.25	50	1.6	675	16 W	115	1	60	1,2,3
EF-2	GREENHECK	SP-B90	CEILING	0.25	70	1.9	700	21 W	115	1	60	1,2,3

1. INTERLOCK WITH LIGHTS
2. BACKDRAFT DAMPER
3. ALTERNATE 4

AIR DISTRIBUTION DEVICE SCHEDULE

MARK	SIZE (INCHES)		MOUNTING			THROW	MATERIAL		DEVICE CONNECTION			BASIS OF DESIGN		NOTES
	FACE	NECK	CEILING	DUCT	SIDEWALL		STEEL	ALUMINUM	1	2	3	MANUFACTURER	MODEL	
RG-1	12x10	12x10			X	-	X				X	TITUS	350RL	
RG-2	24x16	24x16		X		-	X				X	TITUS	350RL	1
RG-3	20x18	20x18		X		-	X				X	TITUS	350RL	
RG-4	16x16	16x16		X		-	X				X	TITUS	350RL	1
SD-1	8x6	8x6		X		1	X				X	TITUS	300RS	2
SD-2	12x6	12x6		X		1	X				X	TITUS	300RS	2
SD-3	12x6	12x6		X		1	X				X	TITUS	300RS	

LEGEND

1. SYMBOL KEY - FIRST LETTER: S-SUPPLY, R-RETURN, E-EXHAUST, T-TRANSFER AND D-DOOR. SECOND LETTER: D-DIFFUSER, R-REGISTER AND G-GRILLE.

2. CONNECTIONS - (DEVICE CONN. COLUMN) 1. ROUND DUCT TO ROUND NECK. 2. ROUND DUCT TO RECTANGULAR NECK. 3. RECTANGULAR DUCT TO RECTANGULAR NECK.

3. FIELD PAINT ALL SUPPLIES AND RETURNS TO MATCH CEILING AND/OR WHITE FINISH OTHERWISE.

4. 1, 2, 3 AND 4-WAY AND DOUBLE DEFLECTION (DD) AIR DEVICES ARE INDICATED IN "THROW" COLUMN.

1. DUCT RUNOUT SIZE SAME AS NECK CONNECTION SIZE, U.N.O.
2. OPPOSED BLADE DAMPER

LOUVER SCHEDULE

MARK	BASIS OF DESIGN		TYPE	NOM. CFM	LOUVER SIZE	MIN. FREE AREA (SQFT)	BOTTOM OF LOUVER ELEV. (FT A.F.F.)	NOTES
	MANUFACTURER	MODEL						
IL-1	GREENHECK	ESD-635X	INTAKE	680	24"x16"	0.92	6'-0"	1,2,3,4,5

1. BIRDSCREEN
2. WELDED CONSTRUCTION
3. FLANGED FRAME
4. PREFINISH WITH BAKED ON "KYNAR" FINISH
5. ALTERNATE 4

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PROJECT NO. 3042.2103
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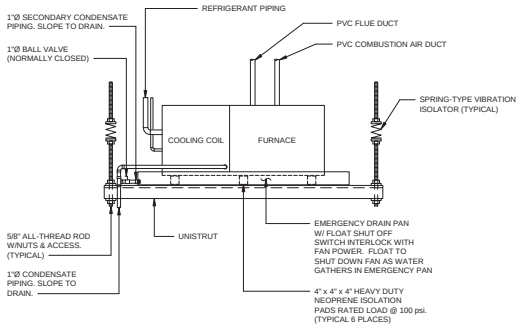
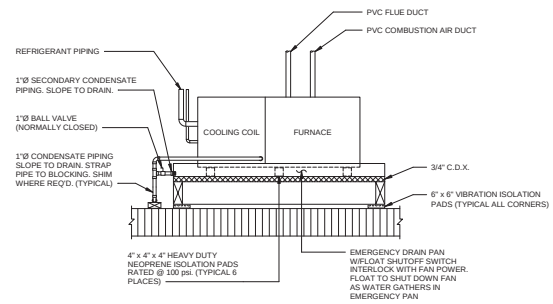
CHECKED BY: CVW
DATE: 08/03/2022
SHEET TITLE: **HVAC SCHEDULES**
SCALE: AS NOTED
DRAWING NO. **M-201**
REV. **0**



DIRECT VENT INDOOR FURNACE/COOLING COIL SUSPENDED MOUNTING DETAIL

NO SCALE

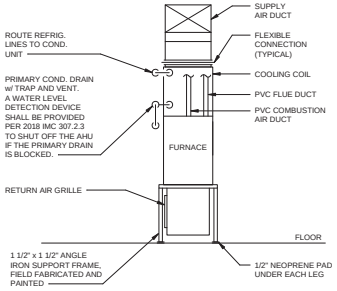
1 M-301



DIRECT VENT INDOOR FURNACE/ COOLING COIL HORIZONTAL MOUNTING DETAIL

NO SCALE

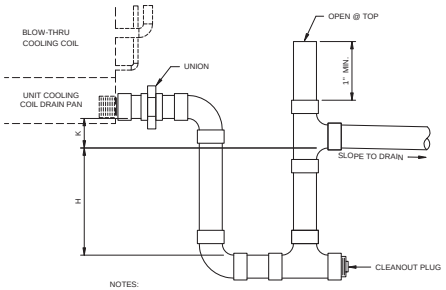
3 M-301



DIRECT VENT INDOOR FURNACE/ COOLING COIL INSTALLATION DETAIL

NO SCALE

5 M-301



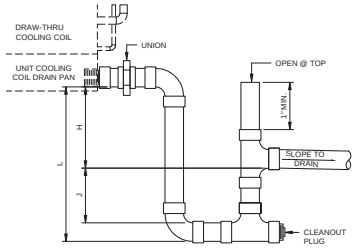
NOTES:

1. DRAIN LINE CONNECTION SIZE SAME AS UNIT DRAIN SIZE.
2. EXTEND DRAIN PIPING TO SPECIFIED LOCATION ON HVAC PLAN.
3. DRAIN LINE TO BE SUPPORTED EVERY 4' WITH 3/8" ROD AND LIGHT-DUTY CLEVIS HANGER
4. K = MIN. 1/2
5. H = 1/2" + MAXIMUM TOTAL STATIC PRESSURE

DETAIL - CONDENSATE DRAIN TRAP

NO SCALE — POSITIVE PRESSURE TRAP

6 M-301



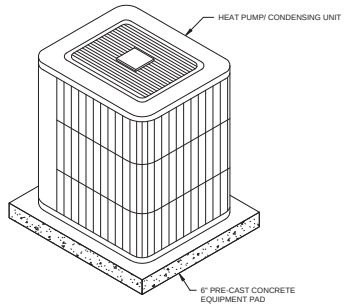
NOTES:

1. DRAIN LINE CONNECTION SIZE SAME AS UNIT DRAIN SIZE.
2. EXTEND DRAIN PIPING TO SPECIFIED LOCATION ON HVAC PLAN.
3. DRAIN LINE TO BE SUPPORTED EVERY 4' WITH 3/8" ROD AND LIGHT-DUTY CLEVIS HANGER.
4. H = (1" FOR EACH 1" OF MAXIMUM NEGATIVE STATIC PRESSURE) + 1"
5. J = 1/2 OF H
6. L = H + J + PIPE DIA.

DETAIL - CONDENSATE DRAIN TRAP

NO SCALE — NEGATIVE PRESSURE TRAP

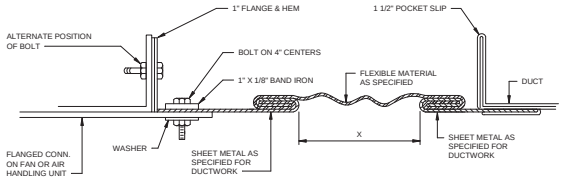
7 M-301



DETAIL - HEAT PUMP/ CONDENSING UNIT ELEVATION

NO SCALE

9 M-301

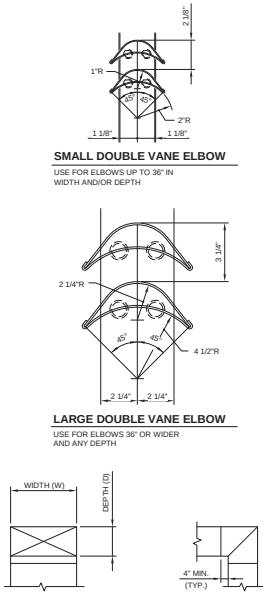


NOTE:
X - 1 1/2" MIN. TO 3" MAX. INSTALLED. 6" NORMAL WITH MATERIAL TAUT.

RECTANGULAR FLEXIBLE CONNECTION DETAIL

NO SCALE

10 M-301



SMALL DOUBLE VANE ELBOW

USE FOR ELBOWS UP TO 36" IN WIDTH AND/OR DEPTH

LARGE DOUBLE VANE ELBOW

USE FOR ELBOWS 36" OR WIDER AND ANY DEPTH

FRONT VIEW **SIDE VIEW**

NOTES:

1. ALL SQUARE OR RECTANGLE ELBOWS SHALL HAVE ONE OF THE TWO TYPES OF TURNING VANES SHOWN ABOVE. SINGLE VANE ELBOWS WILL NOT BE PERMITTED, UNLESS SPECIFICALLY INDICATED.
2. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.
3. ALL SQUARE OR RECTANGLE ELBOWS SHOWN ON PLANS FOR EXHAUST OR RETURN DUCT MAY BE MADE RADIUS ELBOWS PROVIDED SPACE PERMITS RADIUS INSTALLATION.
4. ALL SQUARE OR RECTANGULAR ELBOWS SHOWN ON PLANS FOR SUPPLY DUCT MAY BE MADE RADIUS ELBOWS PROVIDED SPACE PERMITS RADIUS INSTALLATION AND/OR THERE ISN'T AN OUTLET OR TAKE-OFF WITHIN 5D ON THE DOWNSTREAM SIDE OF THE ELBOW.

DETAIL - TYPICAL ELBOW

NO SCALE

12 M-301

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CLIENT: AUGUSTA MUSEUM OF HISTORY
560 REYNOLDS ST., AUGUSTA, GA 30901

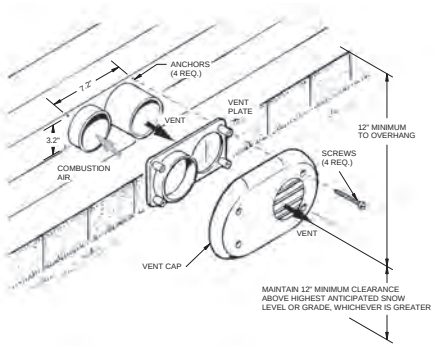
PROJECT NAME: **AUGUSTA MUSEUM OF HISTORY**

PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

REV.	DATE	BY	DESCRIPTION
0	08/03/22	MNB	ISSUED FOR CONSTRUCTION

PROJECT NO. 3042.2103
DRAWN BY: MNB
CHECKED BY: CVW
DATE: 08/03/2022
SHEET TITLE: **HVAC DETAILS**
SCALE: AS NOTED
DRAWING NO. **M-301** REV. **0**

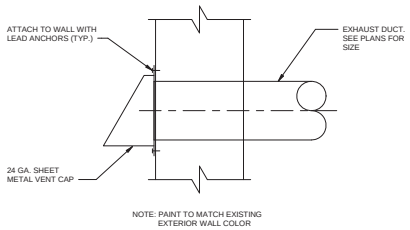
8/3/2022 9:43:41 AM C:\REVIT Local Projects\3042.2103 Augusta Museum Expansion Corridor\3042103_HVAC_Local.rvt



1 M-302

DIRECT VENT THROUGH WALL DETAIL

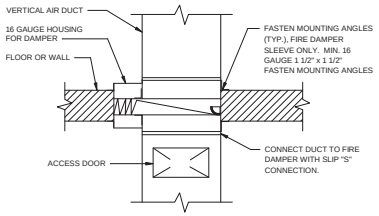
NO SCALE



2 M-302

WALL CAP DETAIL

NO SCALE

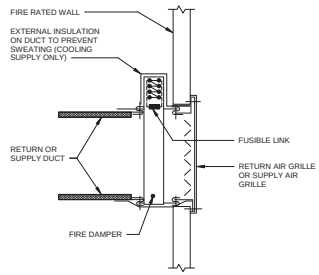


NOTES:
1. DAMPER ASSEMBLY INSTALLED IN AND FASTENED TO THE SLEEVE.
2. MAINTAIN FULL DUCT SIZE. DAMPER HOUSING SHALL NOT OBSTRUCT AIR FLOW, (TYPE "B").
3. MOUNTING SHOWN IS VERTICAL INSTALLATION, HORIZONTAL INSTALLATION IS SIMILAR.

3 M-302

DETAIL - FIRE DAMPER INSTALLATION

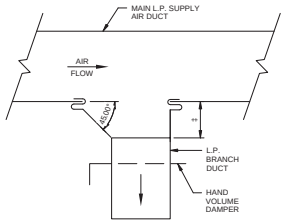
NO SCALE



4 M-302

DETAIL - FIRE DAMPER AT SUPPLY AIR GRILLE OR RETURN AIR GRILLE

NO SCALE

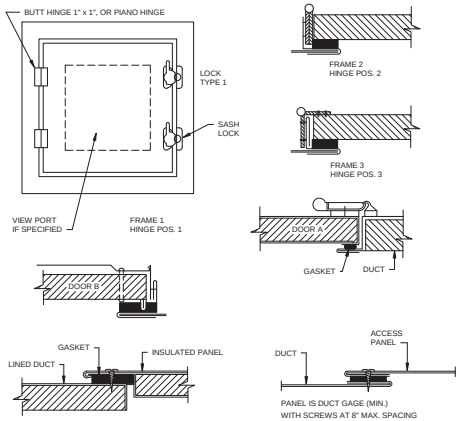


‡ - EQUALS WIDTH OF BRANCH DUCT UP TO 12".
12" FOR ALL BRANCH DUCTS LARGER THAN 12".

7 M-302

DETAIL - TYPICAL LOW PRESSURE BRANCH DUCT TAKE OFF

NO SCALE



DUCT CLASS	DOOR SIZE	NO. HINGES	NO. LOCKS	METAL GAGE		
				FRAME	DOOR	BACK
2" W.G.	12" x 12"	2	1-S	24	26	26
STATIC	16" x 20"	2	2-S	22	24	26
AND LESS	24" x 24"	3	2-S	22	22	26
S = SIDE OPPOSITE HINGES						

9 M-302

DETAIL - DUCT ACCESS DOOR

NO SCALE

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DATE:	08/03/2022
SHEET TITLE:	HVAC DETAILS
SCALE	AS NOTED
DRAWING NO.	M-302
REV.	0

ELECTRICAL GENERAL NOTES:

GENERAL
THESE GENERAL NOTES PRESENT AND/OR SUMMARIZE KEY PRODUCT INFORMATION FOR THE PLAN READER'S CONVENIENCE. SEE PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

WORK COVERED BY THIS DOCUMENT SHALL INCLUDE ALL LABOR, MATERIAL, PRODUCTS, AND SERVICES FOR, AND INCIDENTAL TO, INSTALLATION OF COMPLETE AND OPERATING ELECTRICAL SYSTEMS DRAWN OR SPECIFIED.

ALL WORK SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES INCLUDING, BUT NOT LIMITED TO, THE NATIONAL ELECTRICAL CODE (NFPA 70). ALL MATERIALS SHALL BE NEW AND UL LISTED/LABELED AS APPROPRIATE. FINAL LOCATIONS FOR ROUGH-INS SHALL BE VERIFIED WITH ACTUAL EQUIPMENT BEING CONNECTED. SUPPORT AND ATTACH ELECTRICAL EQUIPMENT IN ACCORDANCE WITH SEISMIC CONDITIONS AS DETERMINED BY THE STRUCTURAL ENGINEER/BUILDING DESIGNER AND THE INTERNATIONAL BUILDING CODE. AFTER COMPLETING INSTALLATION, REMOVE BURRS, DIRT, AND CONSTRUCTION DEBRIS FROM ALL ELECTRICAL WORK.

COORDINATE OUTLET LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS AND DETAILS.

COORDINATE HVAC AND PLUMBING EQUIPMENT LOCATIONS WITH MECHANICAL PLANS, ELEVATIONS AND DETAILS.

CONTRACTOR TO COORDINATE SERVICE AND METERING INSTALLATION REQUIREMENTS, AIC RATING, AND PANEL SCCR WITH UTILITY COMPANY PRIOR TO BID AND INSTALLATION.

COORDINATE SIGNAL SERVICE REQUIREMENTS WITH SERVING UTILITY.

ELECTRICAL INSTALLATION SHALL BE SEISMIC BRACED PER APPLICABLE SECTIONS OF THE STANDARD BUILDING CODE.

CONSULT MANUFACTURERS' SHOP DRAWINGS FOR REQUIREMENTS AND EXACT LOCATION OF ELECTRICAL CONNECTIONS FOR EQUIPMENT FURNISHED BY OTHERS. BRANCH-CIRCUIT WIRING SHALL MEET ALL REQUIREMENTS OF THE EQUIPMENT MANUFACTURER.

SIZE DISCONNECT SWITCHES AND OVERCURRENT PROTECTION IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURERS' RECOMMENDATIONS AND THE N.E.C.

SIZE FUSES IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURERS' RECOMMENDATIONS AND THE NEC.

INSTALL JUNCTION BOXES, CONDUIT BODIES, AND HANDHOLE ENCLOSURES SUCH THAT WIRING WITHIN IS ACCESSIBLE IN ACCORDANCE WITH NEC 314.29.

MOUNTING HEIGHT DIMENSIONS FOR WIRING DEVICES ARE FROM THE FINISHED FLOOR UP TO THE CENTER OF THE OUTLET BOX.

CENTER OUTLETS HORIZONTALLY IN ARCHITECTURAL FEATURES.

DO NOT SCALE DRAWINGS. DEVICE LOCATIONS ARE APPROXIMATE UNLESS DIMENSIONED. ACTUAL DEVICE LOCATIONS SHALL BE FIELD COORDINATED WITH ALL OTHER TRADES AND APPLICABLE CODES.

INSTALL PHOTO CELL(S) ABOVE ROOF. ORIENT TO NORTHERN EXPOSURE AND SHIELD FROM EXTRANEOUS LIGHT. PROVIDE FLASHING AND SEAL ROOF PENETRATION(S).

INSTALL ADDITIONAL BRANCH-CIRCUIT CONDUCTORS TO PROVIDE UN-SWITCHED CONNECTION TO EACH EMERGENCY FIXTURE BATTERY.

DO NOT USE COMMON NEUTRALS FOR MULTI-WIRE CIRCUITS. INSTALL A NEUTRAL FOR EACH PHASE.

ALL CONDUCTORS SHALL BE NO SMALLER THAN #12.

ALL RACEWAYS SHALL BE 3/4" DIA. MIN. UNLESS OTHERWISE NOTED.

GENERAL CONTRACTOR TO PROVIDE ACCESS PANELS FOR ALL INACCESSIBLE, ABOVE-CEILING ELECTRICAL EQUIPMENT AND JUNCTION BOXES PER NEC SECTION 314.29. COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

CONDUCTORS
INSULATION SHALL COMPLY WITH NEMA WC 5. CONDUCTORS #8 AWG AND LARGER SHALL BE CONCENTRIC STRANDED. CONDUCTORS #10 AND SMALLER SHALL BE SOLID.

TYPE AND INSULATION (SERVICE): COPPER, TYPE THHW
TYPE AND INSULATION (FEEDER): COPPER, TYPE THHN/THWN
TYPE AND INSULATION (BRANCH): COPPER, TYPE THHN/THWN
COPPER, TYPE MC

COLOR CODING (208/120 V, 3ø): A-BLACK, B-RED, C-BLUE, N-WHITE, G-GREEN

RACEWAYS
CONDUIT BODIES AND FITTINGS FOR RIGID METAL CONDUIT SHALL BE CAST THREADED TYPE. CONDUIT FITTINGS FOR ELECTRICAL METALLIC TUBING SHALL BE COMPRESSION TYPE. INSTALL 200 lb NYLON PULL CORD IN ALL EMPTY RACEWAYS FOR FUTURE USE. APPLY FIRESTOPPING TO ELECTRICAL PENETRATIONS OF FIRE-RATED FLOOR AND WALL ASSEMBLIES TO RESTORE ORIGINAL FIRE-RESISTANCE RATING OF ASSEMBLY.

OUTDOORS EXPOSED: RIGID GALVANIZED STEEL CONFORMING TO ANSI C80.5
OUTDOORS UNDERGROUND: RIGID NONMETALLIC CONDUIT (SCHEDULE 40 PVC) CONFORMING TO NEMA TC 2
OUTDOORS CONNECTED TO VIBRATING OR MOTORIZED EQUIPMENT: LIQUIDTIGHT FLEXIBLE METAL CONDUIT CONFORMING TO UL 360
INDOORS CONCEALED: ELECTRICAL METALLIC TUBING CONFORMING TO ANSI C80.3
INDOORS EXPOSED: ELECTRICAL METALLIC TUBING CONFORMING TO ANSI C80.3
INDOORS CONNECTED TO VIBRATING OR MOTORIZED EQUIPMENT: FLEXIBLE METALLIC CONDUIT CONFORMING TO UL 1

OUTLET BOXES
BOXES SHALL COMPLY WITH NEMA OS 1 AND SHALL BE SHEET METAL TYPE WITH PLASTER RING IN DRY LOCATIONS. BOXES SHALL COMPLY WITH NEMA FB 1 AND SHALL BE CAST METAL TYPE FD WITH GASKETED COVER IN DAMP OR WET LOCATIONS.

PULL AND JUNCTION BOXES
BOXES SHALL BE HOT-DIPPED GALVANIZED STEEL. BOX COVERS SHALL BE GASKETED TYPE WITH SCREWED OR BOLTED FASTENERS.

WIRING DEVICES
DEVICES SHALL COMPLY WITH NEMA WD 1 AND WD 6. DEVICES SHALL BE COMMERCIAL SPECIFICATION GRADE OR BETTER. ALL DEVICES SHALL BE OF THE GROUNDING TYPE. DEVICES SHALL BE MOUNTED FLUSH WITH THE LONG DIMENSION VERTICAL AND GROUNDING TERMINAL OF RECEPTACLES ON TOP. SWITCHES SHALL BE QUIET TYPE, RATED 20 AMPERES AT 120/277 VOLTS. GROUND FAULT CIRCUIT INTERRUPTERS SHALL BE FEED-THROUGH TYPE. WEATHERPROOF COVERS SHALL BE PROVIDED IN DAMP OR WET LOCATIONS. PROGRAM OCCUPANCY SENSORS FOR FIFTEEN MINUTES WITH MEDIUM SENSITIVITY. TRAIN OWNER TO ADJUST TIME AND SENSITIVITY.

DEVICE COLOR: SELECTED BY ARCHITECT.
DEVICE COVER: SMOOTH PLASTIC WITH COLOR TO MATCH DEVICE COLOR

ELECTRICAL IDENTIFICATION
IN ADDITION TO CODE-REQUIRED LABELING, ALL PANELBOARDS, ELECTRICAL ENCLOSURES, TRANSFORMERS, AND DISCONNECT SWITCHES SHALL BE IDENTIFIED WITH AN ENGRAVED PLASTIC LAMINATED NAMEPLATE. LETTERING SHALL BE 1/2" INCHES HIGH AND SHALL BE WHITE ON A BLACK BACKGROUND. NAMEPLATES SHALL BE ATTACHED TO EQUIPMENT WITH STAINLESS STEEL SELF-TAPPING SCREWS. CONTRACTOR TO COORDINATE WITH THE UTILITY COMPANY TO DETERMINE THE AVAILABLE FAULT CURRENT AT THE PANEL LOCATION SHOWN ON THE DRAWINGS. CONTRACTOR TO PROVIDE ELECTRICAL EQUIPMENT WITH AIC RATING OVER THE CALCULATED FAULT CURRENT. CALCULATED FAULT CURRENT SHALL BE LISTED ON EACH PIECE OF ELECTRICAL EQUIPMENT. CONTRACTOR TO PROVIDE AND AFFIX ARC FLASH WARNING LABELS ON ALL ELECTRICAL SWITCHBOARDS, PANELBOARDS, MOTOR CONTROL CENTERS, LOAD CENTERS, DISCONNECTS AND ENCLOSED CIRCUIT BREAKERS PER NEC ARTICLE 110.16.

GROUNDING
GROUNDING AND BONDING COMPONENTS SHALL COMPLY WITH UL 467. AN INSULATED EQUIPMENT-GROUNDING CONDUCTOR SHALL BE INSTALLED WITH CIRCUIT CONDUCTORS FOR ALL FEEDER AND BRANCH CIRCUITS. EXOTHERMIC-WELDED CONNECTIONS SHALL BE USED FOR ATTACHMENT TO STRUCTURAL STEEL AND UNDERGROUND CONNECTIONS. GROUNDING ELECTRODES SHALL BE 3/4" x 10' COPPERWELD TYPE.

SERVICE GROUNDING
INSTALL TWO (2) GROUND RODS FOR SERVICE ENTRANCE UNLESS INSTALLED PRIMARY GROUND ROD IS TESTED AND FOUND TO HAVE A RESISTANCE TO GROUND OF 25 OHMS OR LESS IN ACCORDANCE WITH NFPA 70 250.53(2).

EQUIPMENT GROUNDING
FOR INDICATED EQUIPMENT (OTHER THAN SERVICE ENTRANCE EQUIPMENT) INSTALL ONE (1) GROUND ROD TO ACT AS AN AUXILIARY GROUNDING ELECTRODE AND BOND TO THE EQUIPMENT GROUNDING CONDUCTOR (EGC) FOR THAT EQUIPMENT, IN ACCORDANCE WITH NFPA 70 250.54 AND 250.118.

PANELBOARDS
PANELBOARDS SHALL COMPLY WITH NEMA PB 1. SHOP DRAWINGS FOR EACH PANELBOARD SHALL BE SUBMITTED AND SHALL INCLUDE BUS CONFIGURATION AND CURRENT RATINGS, OVERCURRENT DEVICE ARRANGEMENT AND SETTINGS, AND PANELBOARD SHORT CIRCUIT RATING. PHASE AND NEUTRAL BUSSES SHALL BE COPPER. AN EQUIPMENT GROUND BUS SHALL BE PROVIDED AND SHALL BE BONDED TO THE PANEL BOX. PANELBOARDS WITH A MAIN SERVICE DISCONNECT SHALL BE LISTED FOR USE AS SERVICE EQUIPMENT. PANELBOARD TRIM SHALL BE BOLT-ON TYPE. CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE. CIRCUIT BREAKERS SHALL BE LISTED FOR SWD, HID OR HACR USE AS APPROPRIATE. MULTI-POLE CIRCUIT BREAKERS SHALL HAVE A COMMON TRIP. TANDEM CIRCUIT BREAKERS SHALL NOT BE USED. FILLER PLATES SHALL BE INSTALLED IN UNUSED SPACES. A TYPED CIRCUIT DIRECTORY SHALL BE INSTALLED ON THE INSIDE OF THE PANELBOARD DOOR.

FUSES
FUSES SHALL BE NEMA FU 1 CARTRIDGE TYPE. VOLTAGE RATING SHALL BE CONSISTENT WITH CIRCUIT VOLTAGE. ARRANGE FUSES IN FUSIBLE DEVICES SO FUSE RATINGS ARE READABLE WITHOUT REMOVING FUSE. INSTALL TYPEWRITTEN LABELS ON INSIDE DOOR OF EACH FUSIBLE DEVICE TO INDICATE FUSE REPLACEMENT INFORMATION.

MOTOR FEEDER AND BRANCH CIRCUITS: UL CLASS RK5, TIME DELAY
OTHER FEEDER AND BRANCH CIRCUITS: UL CLASS RK1, NON-TIME DELAY

DISCONNECT SWITCHES
SWITCHES SHALL BE FUSED OR NONFUSED NEMA KS 1 TYPE HD. SWITCHES SHALL BE HANDLE LOCKABLE AND INTERLOCKED WITH COVER IN CLOSED POSITION. ENCLOSURES SHALL BE NEMA TYPE 1 IN INDOOR LOCATIONS AND NEMA TYPE 3R IN OUTDOOR LOCATIONS. HVAC EQUIPMENT DISCONNECTS ARE TO BE CONSIDERED ELECTRICAL EQUIPMENT AND SHALL BE INSTALLED TO MAINTAIN WORKING SPACE PER NEC ARTICLE 110.26.

INTERIOR LIGHTING
FIXTURE MOUNTING HARDWARE AND TRIM SHALL BE COORDINATED WITH THE CEILING SYSTEM. RECESSED FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURAL SYSTEM.

FIRE ALARM SYSTEM
SYSTEM COMPONENTS AND INSTALLATION SHALL CONFORM TO THE NATIONAL FIRE ALARM CODE (NFPA 72-2019). ALL EXPOSED WIRING SHALL BE INSTALLED IN METALLIC RACEWAY. ALL CONCEALED WIRING SHALL BE INSTALLED IN METALLIC RACEWAY STUBBED ABOVE ACCESSIBLE CEILING.

VOICE AND DATA SYSTEMS
PROVIDE EMPTY INFRASTRUCTURE ONLY. INSTALL BLANK FACEPLATES FOR OUTLETS. USE A CONDUIT BUSHING OR INSULATED FITTING TO TERMINATE STUB-UPS. PROVIDE PULL STRING IN EACH CONDUIT.

TELEPHONE BOARD
TELEPHONE BOARD 48" x 96" x 3/4" SHEET OF FIRE TREATED PLYWOOD. PROVIDE BACKBOARD ON WALLS AS INDICATED ON PLANS. PROVIDE GROUNDING BAR BURNDY BBB14210A OR EQUIVALENT. BOND TO SERVICE ENTRANCE PANEL USING
CU #6 AWG INSULATED WIRE.

APPLICABLE CODES AND STANDARDS

CODES AND STANDARDS	EDITION
INTERNATIONAL BUILDING CODE (IBC)	2018
NFPA 70 NATIONAL ELECTRICAL CODE (NEC)	2020
INTERNATIONAL ENERGY CONSERVATION CODE (IECC)	2015
NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE	2019
NFPA 780 INSTALLATION OF LIGHTNING PROTECTION SYSTEMS	2020

ELECTRICAL SYMBOLS:

NEW	
	CEILING / WALL MOUNTED EXIT SIGN - SHADING INDICATES FACE(S)
	PENDANT MOUNTED LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE WITH EMERGENCY BATTERY
	STRIP FIXTURE
	STRIP FIXTURE WITH EMERGENCY BATTERY
	WALL MOUNTED EMERGENCY FIXTURE
S	SPST TOGGLE SWITCH 48" UP
S^3	THREE WAY TOGGLE SWITCH 48" UP
S^4	FOUR WAY TOGGLE SWITCH 48" UP
(D)	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR. TO BE WATTSTOPPER DT-300 OR EQUAL.
(U)	WALL MOUNTED ULTRASONIC OCCUPANCY SENSOR 48" UP. TO BE WATTSTOPPER UW-100 OR EQUAL.
	DUPLEX CONVENIENCE OUTLET 18" UP
	DUPLEX CONVENIENCE OUTLET 48" UP OR 6" ABOVE COUNTER/BACKSPLASH
GFCI	DUPLEX CONVENIENCE OUTLET 48" UP OR 6" ABOVE COUNTER/BACKSPLASH GROUND FAULT INTERRUPTER TYPE
WP GFCI	DUPLEX CONVENIENCE OUTLET 18" UP WEATHERPROOF GROUND FAULT INTERRUPTER TYPE
GFCI	DUPLEX CONVENIENCE OUTLET 18" UP GROUND FAULT INTERRUPTER TYPE
#	SPECIAL OUTLET - SEE SCHEDULE
(P)	MOTOR - SEE SCHEDULE
	ELECTRICAL PANEL
	WALL MOUNTED DATA OUTLET 18" UP UNLESS NOTED WITH 3/4" E.C. STUBBED ABOVE LIFT-OUT CEILING
FACP	FIRE ALARM CONTROL PANEL
FAA	REMOTE ANNUNCIATOR PANEL
M	FIRE ALARM MANUAL PULL STATION. MOUNT 48" TO TOP OF BOX
	FIRE ALARM WALL MOUNTED AUDIO/VISUAL DEVICE 80" UP
	FIRE ALARM WALL MOUNTED VISUAL DEVICE 80" UP
S	FIRE ALARM CEILING MOUNTED SMOKE DETECTOR
H	FIRE ALARM CEILING MOUNTED HEAT DETECTOR
TB	TELEPHONE BOARD

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PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

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0	10/29/21	HJW	ISSUED FOR CONSTRUCTION

PROJECT NO.	3042.2103
DRAWN BY:	JAP
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SHEET TITLE:	ELECTRICAL NOTES AND SYMBOLS
SCALE	AS NOTED
DRAWING NO.	E-001
REV.	0

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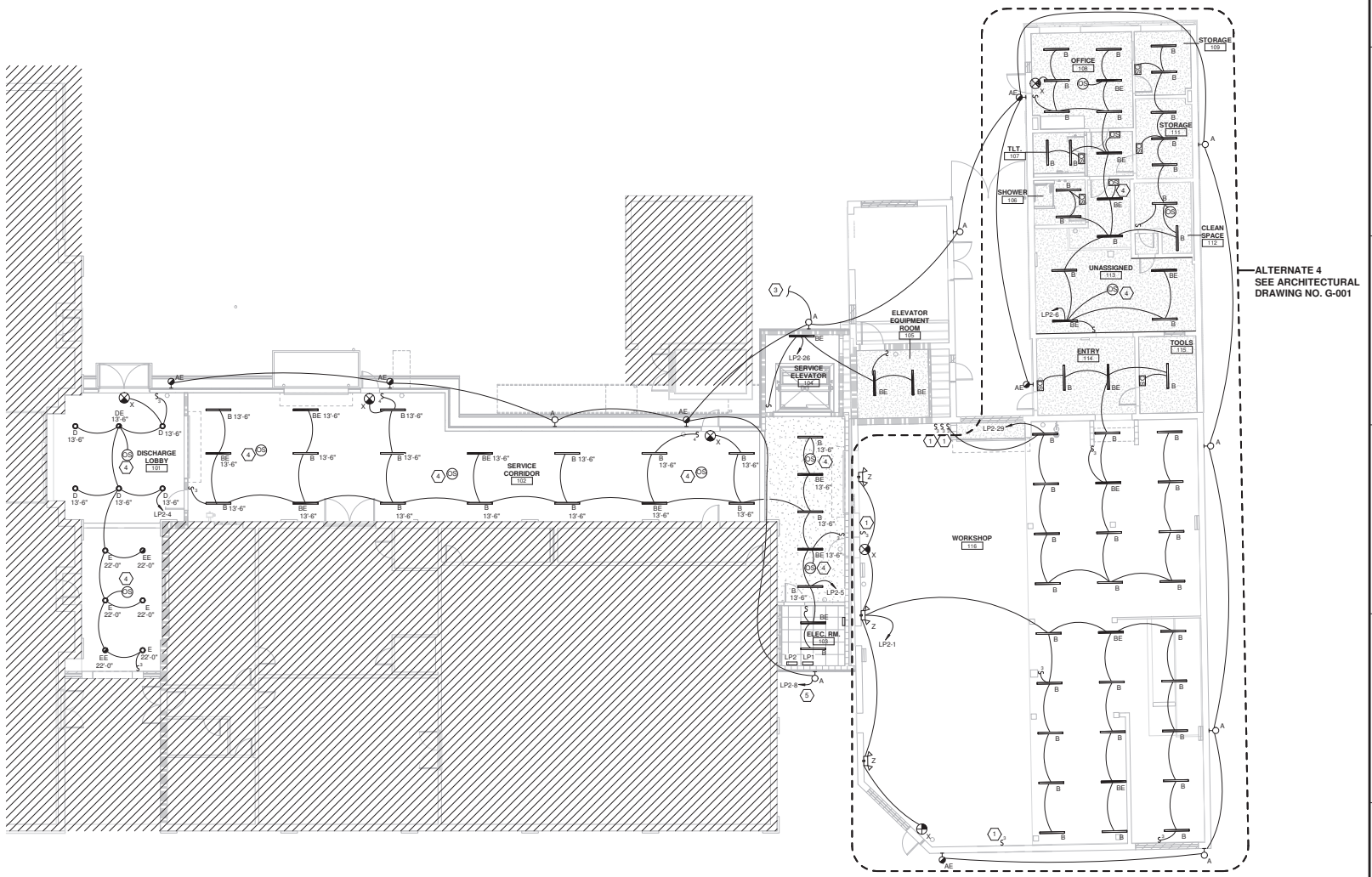
LIGHTING PLAN KEYED NOTES

1. SWITCH CONTROLS LIGHTS SHOWN ON E-102.
2. MOUNT FIXTURE AT 13'-0" A.F.F.
3. CIRCUIT CONTINUES ON E-102
4. INTERLOCK OCCUPANCY SENSORS
5. PROVIDE PHOTOCELL AND TIME CLOCK TO CONTROL ALL EXTERIOR FIXTURES

LIGHTING PLAN CONSTRUCTION NOTES

1. COORDINATE ALL SWITCH LOCATIONS WITH OWNER.
2. MOUNTING HEIGHTS SHOWN ARE TO TOP OF FIXTURE.



1 E-101 **FIRST FLOOR LIGHTING PLAN**
SCALE: 1/8" = 1'-0"

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

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CLIENT: AUGUSTA MUSEUM OF HISTORY
560 REYNOLDS ST., AUGUSTA, GA 30901

PROJECT NAME: **AUGUSTA MUSEUM OF HISTORY**

PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

REV.	DATE	BY	DESCRIPTION
0	10/29/21	HJW	ISSUED FOR CONSTRUCTION

PROJECT NO.	3042.2103
DRAWN BY:	JAP
CHECKED BY:	HJW
DATE:	08/03/2022

SHEET TITLE: **FIRST FLOOR LIGHTING PLAN**

SCALE: AS NOTED

DRAWING NO. **E-101** REV. **0**

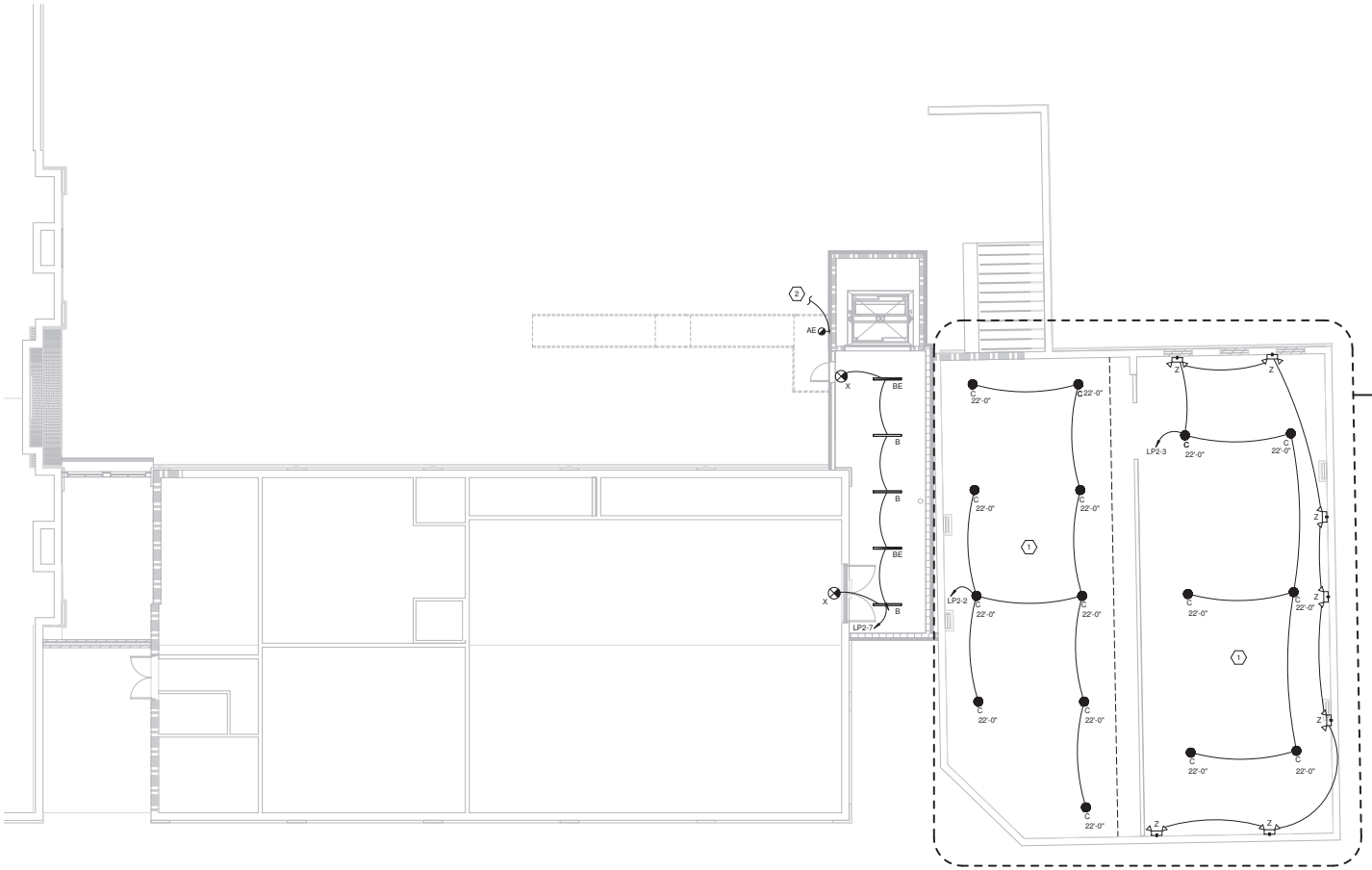
CHECKIT - Local Projects\3042\03 Electrical Local\Lighting\E-101.dwg 8/3/2022 3:50:44 PM

LIGHTING PLAN CONSTRUCTION NOTES

1. COORDINATE ALL SWITCH LOCATIONS WITH OWNER.

LIGHTING PLAN KEYED NOTES

1. LIGHTS ARE CONTROLLED BY SWITCHES SHOWN ON E-101.
2. CIRCUIT CONTINUES ON E-101.



1 / E-102 **SECOND FLOOR LIGHTING PLAN**
SCALE: 1/8" = 1'-0"

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"

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PROJECT NO. 3042.2103
DRAWN BY: JAP
CHECKED BY: HJW
DATE: 08/03/2022
SHEET TITLE: **SECOND FLOOR LIGHTING PLAN**
SCALE: AS NOTED
DRAWING NO. **E-102**
REV. **0**

8/3/2022, 3:53:48 PM C:\REVIT - Local Projects\3042-103_Electrical_Local.rvt

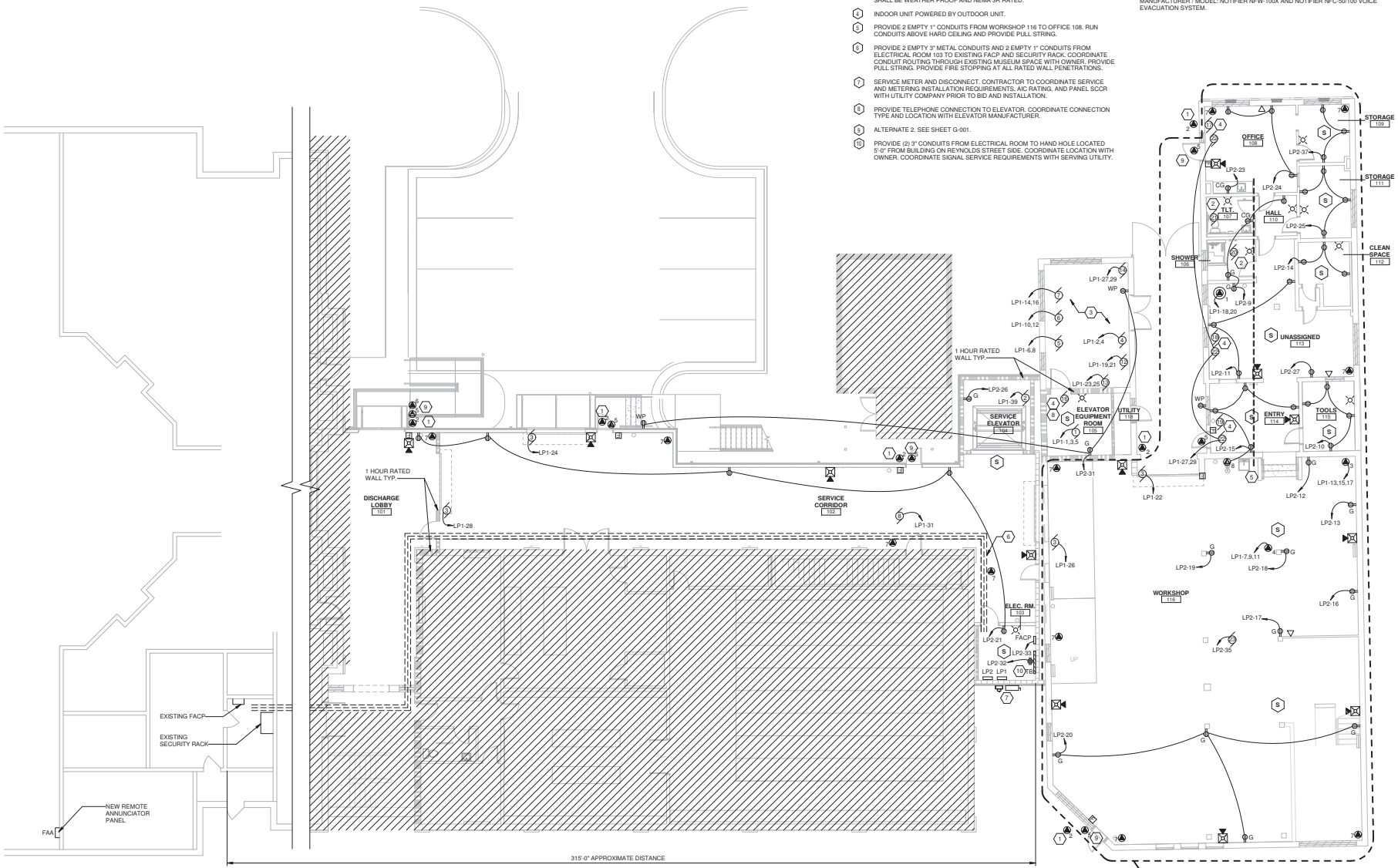
POWER AND SIGNAL PLAN KEYED NOTES

1. CAMERA / MOTION SENSOR LOCATION. COORDINATE LOCATION AND POWER REQUIREMENTS WITH SECURITY SYSTEM PROVIDER AND OWNER.
2. INTERLOCK FAN WITH LIGHTS
3. THIS AREA IS NOT COVERED BY ROOF. ALL DEVICES WIRING AND DISCONNECTS SHALL BE WEATHER PROOF AND NEMA 3R RATED.
4. INDOOR UNIT POWERED BY OUTDOOR UNIT.
5. PROVIDE 2 EMPTY 1" CONDUITS FROM WORKSHOP 116 TO OFFICE 108. RUN CONDUITS ABOVE HARD CEILING AND PROVIDE PULL STRING.
6. PROVIDE 2 EMPTY 3" METAL CONDUITS AND 2 EMPTY 1" CONDUITS FROM ELECTRICAL ROOM 103 TO EXISTING FACP AND SECURITY RACK. COORDINATE CONDUIT ROUTING THROUGH EXISTING MUSEUM SPACE WITH OWNER. PROVIDE PULL STRING. PROVIDE FIRE STOPPING AT ALL RATED WALL PENETRATIONS.
7. SERVICE METER AND DISCONNECT. CONTRACTOR TO COORDINATE SERVICE AND METERING INSTALLATION REQUIREMENTS, AIC RATING, AND PANEL SCCR WITH UTILITY COMPANY PRIOR TO BID AND INSTALLATION.
8. PROVIDE TELEPHONE CONNECTION TO ELEVATOR. COORDINATE CONNECTION TYPE AND LOCATION WITH ELEVATOR MANUFACTURER.
9. ALTERNATE 2. SEE SHEET G-001.
10. PROVIDE (2) 3" CONDUITS FROM ELECTRICAL ROOM TO HAND HOLE LOCATED 5'-0" FROM BUILDING ON REYNOLDS STREET SIDE. COORDINATE LOCATION WITH OWNER. COORDINATE SIGNAL SERVICE REQUIREMENTS WITH SERVING UTILITY.

POWER AND SIGNAL PLAN CONSTRUCTION NOTES

1. NEW FIRE ALARM SYSTEM SHALL BE ADDRESSABLE AND VOICE EVACUATION CAPABLE. ALL NEW DEVICES SHALL BE ADDRESSABLE. DEACTIVATE EXISTING FIRE ALARM PANEL AND CONNECT ALL EXISTING FIRE ALARM DEVICES TO NEW SYSTEM USING ZONE MODULES. PROVIDE ALL POWER AND EXPANSION PANELS REQUIRED. ALL WIRING SHALL BE IN METAL CONDUIT.

   MANUFACTURER / MODEL: NOTIFIER NFW-100X AND NOTIFIER NFC-50/100 VOICE EVACUATION SYSTEM.



1 E-201 **FIRST FLOOR POWER AND SIGNAL PLAN**
SCALE: 1/8" = 1'-0"

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

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CLIENT: AUGUSTA MUSEUM OF HISTORY
560 REYNOLDS ST., AUGUSTA, GA 30901

PROJECT NAME: **AUGUSTA MUSEUM OF HISTORY**

PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

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PROJECT NO.	3042.2103
DRAWN BY:	JAP
CHECKED BY:	HJW
DATE:	08/03/2022

SHEET TITLE: **POWER AND SIGNAL PLAN**

SCALE: AS NOTED

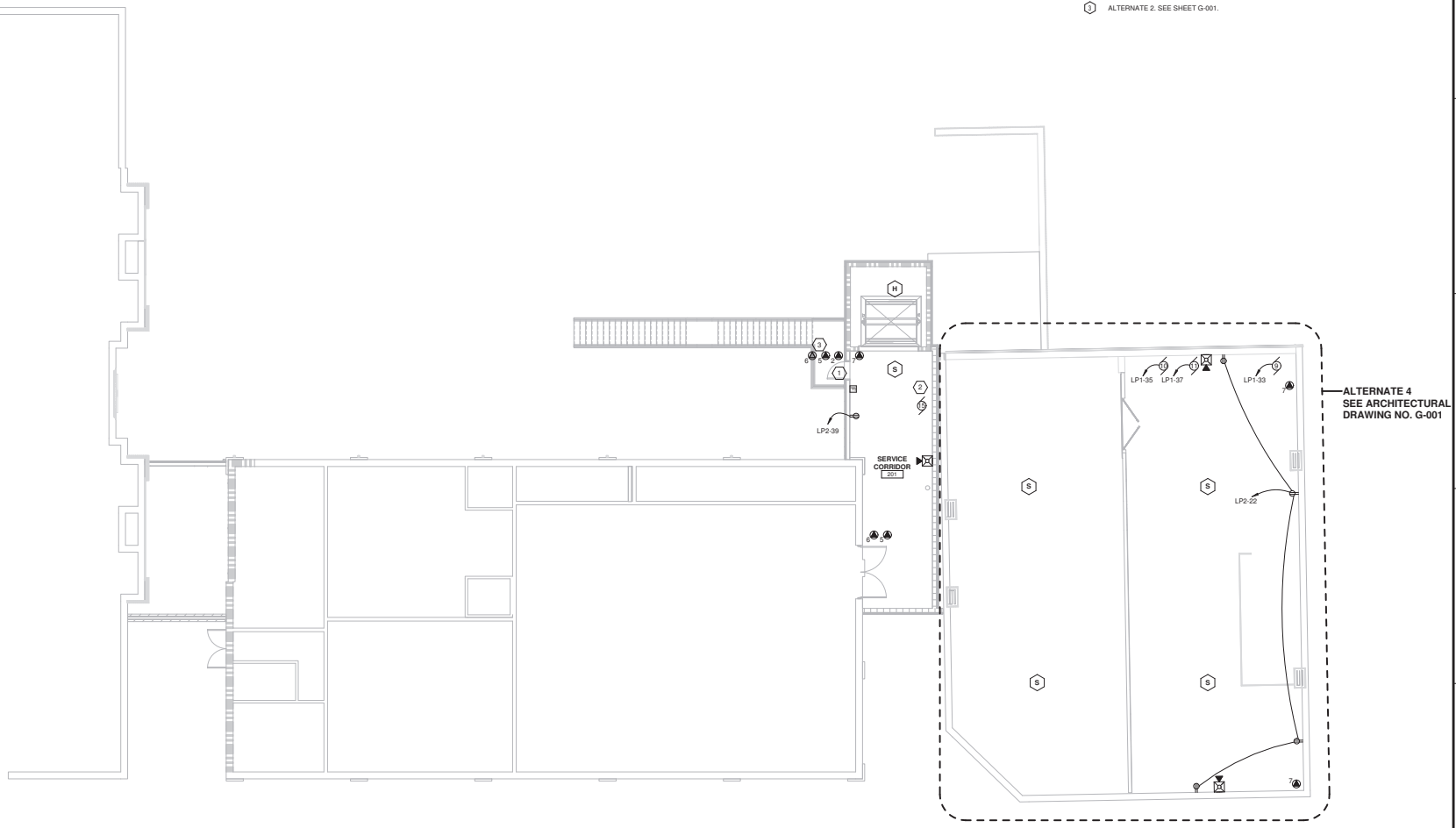
DRAWING NO. **E-201** REV. **0**

8/3/2022, 3:53:49 PM C:\REVIT - Local Projects\3042\2103_Electrical_Local.rvt

GA 1A006 PSFA
GA 1A007 PSFD B.B

POWER PLAN KEYED NOTES

1. CAMERA / MOTION SENSOR LOCATION. COORDINATE LOCATION AND POWER REQUIREMENTS WITH SECURITY SYSTEM PROVIDER AND OWNER.
2. INDOOR UNIT RECEIVES POWER FROM OUTDOOR UNIT.
3. ALTERNATE 2. SEE SHEET G-001.



1 / E-202 **SECOND FLOOR POWER AND SIGNAL PLAN**
SCALE: 1/8" = 1'-0"

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

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560 REYNOLDS ST., AUGUSTA, GA 30901

PROJECT NAME: **AUGUSTA MUSEUM OF HISTORY**

PROJECT LOCATION: 560 REYNOLDS ST., AUGUSTA, GA 30901

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PROJECT NO.	3042.2103
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DATE:	08/03/2022

SHEET TITLE: **SECOND FLOOR POWER AND SIGNAL PLAN**

SCALE: AS NOTED

DRAWING NO. **E-202** REV. **0**

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LIGHTING FIXTURE SCHEDULE

TYPE MARK	MANUFACTURER	MODEL NUMBER	VOLTAGE	WATTAGE	LAMP TYPE	MOUNTING	DESCRIPTION
A	HUBBELL	TRP2-24L-50-3K7-3-U-BR ARCH	120 V	50 VA	3000K LED	WALL	LED WALL PACK
AE	HUBBELL	TRP2-24L-50-3K7-3-U-BR ARCH	120 V	50 VA	3000K LED	WALL	LED WALL PACK WITH EMERGENCY BATTERY
B	COLUMBIA	MPS4-40HL-CW-EDU	120 V	42 VA	4000K LED	SURFACE / SUSPENDED	LED STRIP LIGHT
BE	COLUMBIA	MPS4-40HL-CW-EDU-ELL14	120 V	42 VA	4000K LED	SURFACE / SUSPENDED	LED STRIP LIGHT WITH EMERGENCY BATTERY
C	COLUMBIA	CRN-40LX-EDU	120 V	100 VA	4000K LED	SUSPENDED	LED HIGHBAY
D	ELITE	SCH10-LED-2000L-DIM10-MVOLT-WD-40K-BY ARCH-SM	120 V	25 VA	4000K LED	SUSPENDED	LED CYLINDER PENDANT
DE	ELITE	SCH10-LED-2000L-DIM10-MVOLT-WD-40K-BY ARCH-SM-EMG-LED-20W	120 V	25 VA	4000K LED	SUSPENDED	LED CYLINDER PENDANT WITH EMERGENCY BATTERY
E	ELITE	SCH10-LED-4000L-DIM10-MVOLT-MD-40K-BY ARCH-SM	120 V	53 VA	4000K LED	SUSPENDED	LED CYLINDER PENDANT
EE	ELITE	SCH10-LED-4000L-DIM10-MVOLT-MD-40K-BY ARCH-SM-EMG-LED-20W	120 V	53 VA	4000K LED	SUSPENDED	LED CYLINDER PENDANT WITH EMERGENCY BATTERY
X	DUAL-LITE	EVEUGBE	120 V	5 VA	LED	WALL / CEILING	LED EXIT SIGN
Z	DUAL-LITE	EZ-2L-B	120 V	5 VA	LED	WALL	LED EMERGENCY LIGHT

NOTES:

1. COORDINATE ALL FINISH OPTIONS AND MOUNTING HEIGHTS WITH ARCHITECT.
2. MOUNTING HIEGHTS FOR PENDANT / SUSPENDAED FIXTURES ARE SHOWN ON LIGHTING PLANS. ALL OTHER FIXTURES ARE SURFACE MOUNTED.

SPECIAL OUTLET SCHEDULE

ID	DESCRIPTION
1	EWH-1
2	CAMERA LOCATION. PROVIDE ADDITIONAL 3/4" CONDUIT AND JUNCTION BOX.
3	AIR COMPRESSOR. COORDINATE LOCATION WITH OWNER.
4	TABLE SAW. COORDINATE LOCATION WITH OWNER.
5	SECURITY DOOR CONTACT. PROVIDE 3/4" CONDUIT AND JUNCTION BOX. SEE DETAIL 3 / E-401. ALTERNATE 2. SEE SHEET G-001
6	CARD READER / ELECTRIC LOCK. SEE DETAIL 3 / E-401. ALTERNATE 2. SEE SHEET G-001
7	MOTION SENSOR LOCATION. PROVIDE 3/4" CONDUIT AND JUNCTION BOX.
8	EMERGENCY SHOWER LIGHT

SPECIAL OUTLET SCHEDULE NOTES:

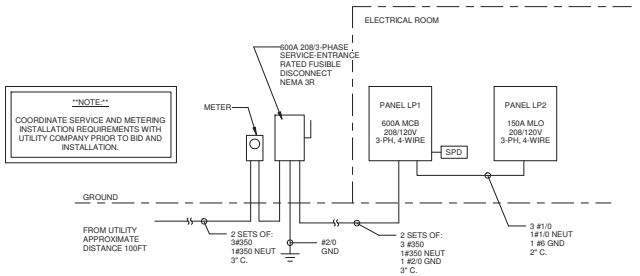
PROVIDE LOCAL DISCONNECTING FOR DEVICES WITHOUT RECEPTACLE. COORDINATE WITH MOCP.

MOTOR SCHEDULE

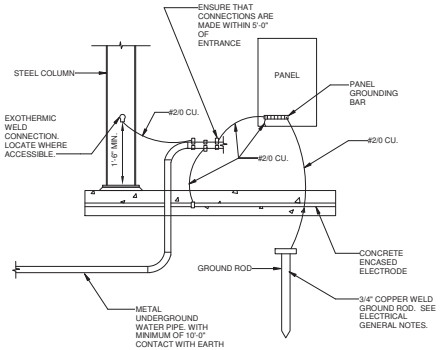
ID	DESCRIPTION
1	ELEVATOR
2	SUMP
3	OVERHEAD DOOR
4	OCU-1
5	OCU-2
6	OCU-3
7	OCU-4
8	IFC-1
9	IFC-2
10	IFC-3
11	IFC-4
12	OHP-1
13	OHP-2
14	OHP-3
15	IHP-1
16	IHP-2
17	IHP-3.1
18	IHP-3.2
19	IHP-3.3
20	EF-1
21	EF-2
22	CONDENSATE PUMP
23	AIR FILTER. PROVIDE RECEPTACLE AT 8'-6" A.F.F.

MOTOR SCHEDULE NOTES:

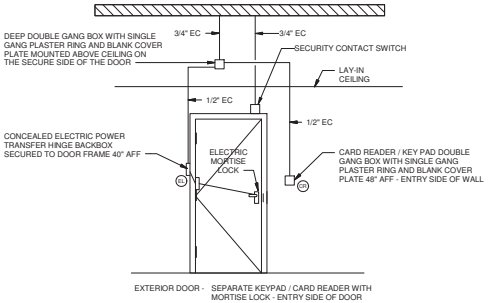
PROVIDE LOCAL FUSIBLE DISCONNECTING MEANS FOR EACH MOTOR. COORDINATE WITH MOTOR MOCP.



1 / E-401 **RISER DIAGRAM**
NO SCALE



2 / E-401 **ELECTRODE GROUNDING DETAIL**
NO SCALE



NOTE: COORDINATE CARD READER / KEY PAD LOCATION WITH ARCHITECT AND OWNER.

3 / E-401 **CARD READER / ELECTRIC LOCK DETAIL - ALTERNATE 2**
NO SCALE

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PROJECT NO.	3042.2103
DRAWN BY:	JAP
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DATE:	08/03/2022

SHEET TITLE:
ELECTRICAL SCHEDULES AND DETAILS

SCALE: AS NOTED

DRAWING NO. **E-401** REV. **0**

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PANEL: LP1

LOCATION	ELEC. RM. 103
MOUNTING	SURFACE
MAIN	MCB
FEED FROM	UTILITY
MAIN AMPS	600 A
VOLTAGE	120/208 Wye
PHASE	3 WIRE 4
S.C.C.	SEE NOTE 1. MIN.

	A	B	C	TOTAL	DEMAND
RECEPTACLE...				16960 VA	13480 VA
KITCHEN VA					
LIGHTING VA				750 VA	750 VA
OTHER VA				132358 VA	132358 VA
VA PER PHASE	51659 VA	53085 VA	52779 VA	156523 VA	153043 VA
AMPS PER PHASE	430 A	444 A	441 A		

MIN. WIRE/CONDUIT SIZE	Load Name	AMPS	P	CKT	A		B		C		CKT	P	AMPS	Load Name	MIN. WIRE/CONDUIT SIZE
3#250, #4G, 3"C.	* ELEVATOR	300 A	3	1	20295 VA	2160 VA					2	2	30 A	OCU-1	2#10, #10G, 3/4"C.
--	--	--	--	3			20295 VA	2160 VA			4	--	--	--	--
--	--	--	--	5					20295 VA	2160 VA	6	2	30 A	OCU-2	2#10, #10G, 3/4"C.
3#10, #10G, 3/4"C.	TABLE SAW	20 A	3	7	2006 VA	2160 VA					8	--	--	--	--
--	--	--	--	9			2006 VA	2880 VA			10	2	40 A	OCU-3	2#10, #10G, 3/4"C.
--	--	--	--	11					2006 VA	2880 VA	12	--	--	--	--
3#10, #10G, 3/4"C.	AIR COMPRESSOR	25 A	3	13	3000 VA	2880 VA					14	2	40 A	OCU-4	2#10, #10G, 3/4"C.
--	--	--	--	15			3000 VA	2880 VA			16	--	--	--	--
--	--	--	--	17					3000 VA	2250 VA	18	2	30 A	EWH-1	2#10, #10G, 3/4"C.
2#10, #10G, 3/4"C.	OHP-1	25 A	2	19	1320 VA	2250 VA					20	--	--	--	--
--	--	--	--	21			1320 VA	1500 VA			22	1	20 A	OVERHEAD DOOR	2#10, #10G, 3/4"C.
2#10, #10G, 3/4"C.	OHP-2	30 A	2	23					3000 VA	1500 VA	24	1	20 A	OVERHEAD DOOR	2#10, #10G, 3/4"C.
--	--	--	--	25	3000 VA	1500 VA					26	1	20 A	OVERHEAD DOOR	2#10, #10G, 3/4"C.
2#6, #10G, 1"C.	OHP-3, CONDENSATE PUMPS	50 A	2	27			5190 VA	1500 VA			28	1	20 A	OVERHEAD DOOR	2#10, #10G, 3/4"C.
--	--	--	--	29					5190 VA	0 VA	30	2	20 A	SPARE	
2#12, #12G, 3/4"C.	IFC-1	15 A	1	31	1056 VA	0 VA					32	--	--	--	--
2#12, #12G, 3/4"C.	IFC-2	15 A	1	33			1056 VA	0 VA			34	1	20 A	SPARE	
2#12, #12G, 3/4"C.	IFC-3	15 A	1	35					1356 VA	0 VA	36	1	20 A	SPARE	
2#12, #12G, 3/4"C.	IFC-4	15 A	1	37	1356 VA	0 VA					38	1	20 A	SPARE	
2#12, #12G, 3/4"C.	SUMP PUMP	20 A	1	39			1000 VA	0 VA			40	1	20 A	SPARE	
--	SPACE	--	--	41					0 VA	0 VA	42	1	20 A	SPARE	
--	SPACE	--	--	43	0 VA	0 VA					44	--	--	SPACE	--
--	SPACE	--	--	45			0 VA	0 VA			46	--	--	SPACE	--
--	SPACE	--	--	47					0 VA	0 VA	48	--	--	SPACE	--
--	SPACE	--	--	49	0 VA	8679 VA					50	3	150 A	LP2	SEE RISER DIAGRAM
--	SPACE	--	--	51			0 VA	8298 VA			52	--	--	--	--
--	SPACE	--	--	53					0 VA	9142 VA	54	--	--	--	--

REMARKS: * PROVIDE SHUNT TRIP TYPE BREAKER.

PANEL: LP2

LOCATION	ELEC. RM. 103
MOUNTING	SURFACE
MAIN	MLO
FEED FROM	PANEL LP1
MAIN AMPS	150 A
VOLTAGE	120/208 Wye
PHASE	3 WIRE 4
S.C.C.	SEE NOTE 1. MIN.

	A	B	C	TOTAL	DEMAND
RECEPTACLE...				16960 VA	13480 VA
KITCHEN VA					
LIGHTING VA				5442 VA	5442 VA
OTHER VA				951 VA	951 VA
VA PER PHASE	8679 VA	8298 VA	9142 VA	25117 VA	21637 VA
AMPS PER PHASE	73 A	69 A	77 A		

MIN. WIRE/CONDUIT SIZE	Load Name	AMPS	P	CKT	A		B		C		CKT	P	AMPS	Load Name	MIN. WIRE/CONDUIT SIZE
2#12, #12G, 3/4"C.	LIGHTING	20 A	1	1	655 VA	900 VA					2	1	20 A	LIGHTING	2#12, #12G, 3/4"C.
2#12, #12G, 3/4"C.	LIGHTING	20 A	1	3			635 VA	473 VA			4	1	20 A	LIGHTING	2#12, #12G, 3/4"C.
2#12, #12G, 3/4"C.	LIGHTING	20 A	1	5					1018 VA	1050 VA	6	1	20 A	LIGHTING	2#12, #12G, 3/4"C.
2#12, #12G, 3/4"C.	LIGHTING	20 A	1	7	42 VA	750 VA					8	1	20 A	EXTERIOR LIGHTING	2#12, #12G, 3/4"C.
2#12, #12G, 3/4"C.	RECEPTACLES	20 A	1	9			720 VA	720 VA			10	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C.
2#12, #12G, 3/4"C.	RECEPTACLES	20 A	1	11					540 VA	1000 VA	12	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C.
2#12, #12G, 3/4"C.	RECEPTACLES	20 A	1	13	1000 VA	540 VA					14	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C.
2#12, #12G, 3/4"C.	RECEPTACLES	20 A	1	15			950 VA	1000 VA			16	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C.
2#12, #12G, 3/4"C.	RECEPTACLES	20 A	1	17					1000 VA	1000 VA	18	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C.
2#12, #12G, 3/4"C.	RECEPTACLES	20 A	1	19	1000 VA	720 VA					20	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C.
2#12, #12G, 3/4"C.	RECEPTACLES	20 A	1	21			900 VA	720 VA			22	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C.
2#12, #12G, 3/4"C.	APPLIANCE	20 A	1	23					1500 VA	540 VA	24	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C.
2#12, #12G, 3/4"C.	RECEPTACLES	20 A	1	25	720 VA	306 VA					26	1	20 A	ELEV RECEPTACLE, LIGHTING	2#12, #12G, 3/4"C.
2#12, #12G, 3/4"C.	PLOTTER	20 A	1	27			1000 VA	0 VA			28	1	20 A	SPARE	
2#12, #12G, 3/4"C.	LIGHTING	20 A	1	29					630 VA	0 VA	30	1	20 A	SPARE	
2#12, #12G, 3/4"C.	RECEPTACLES	20 A	1	31	540 VA	1000 VA					32	1	20 A	RECEPTACLE	2#12, #12G, 3/4"C.
2#12, #12G, 3/4"C.	* FACP	20 A	1	33			1000 VA	0 VA			34	1	20 A	SPARE	
2#12, #12G, 3/4"C.	AIR FILTER	20 A	1	35					864 VA	0 VA	36	1	20 A	SPARE	
2#12, #12G, 3/4"C.	RECEPTACLES	20 A	1	37	540 VA	0 VA					38	1	20 A	SPARE	
2#12, #12G, 3/4"C.	RECEPTACLES	20 A	1	39			180 VA	0 VA			40	1	20 A	SPARE	
	SPARE	20 A	1	41					0 VA	0 VA	42	1	20 A	SPARE	
--	SPACE	--	--	43	0 VA	0 VA					44	--	--	SPACE	--
--	SPACE	--	--	45			0 VA	0 VA			46	--	--	SPACE	--
--	SPACE	--	--	47					0 VA	0 VA	48	--	--	SPACE	--
--	SPACE	--	--	49	0 VA	0 VA					50	--	--	SPACE	--
--	SPACE	--	--	51			0 VA	0 VA			52	--	--	SPACE	--
--	SPACE	--	--	53					0 VA	0 VA	54	--	--	SPACE	--

REMARKS: * PROVIDE LOCKABLE BREAKER, RED IN COLOR

NOTE 1.

CONTRACTOR TO COORDINATE SERVICE AND METERING INSTALLATION REQUIREMENTS, AIC RATING, AND PANEL SCCR WITH UTILITY COMPANY PRIOR TO BID AND INSTALLATION.

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REV.	DATE	BY	DESCRIPTION
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PROJECT NO. 3042.2103
DRAWN BY: JAP
CHECKED BY: HJW
DATE: 08/03/2022
SHEET TITLE:

ELECTRICAL PANEL SCHEDULES

SCALE AS NOTED

DRAWING NO. **E-402** REV. **0**

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