project description This project is a build-out of an multi-purpose existing 6,323 square foot interior space. The scope of work shall include minor demolition, wall & ceiling construction. In addition, this work includes new mechanical, electrical, and plumbing project contacts Harold J. Young - Owner Contact **Executive Director** Tubman African American Museum 310 Cherry Street Macon, GA 31201 Office: 478.845.3555 Fax: 478.743.9063 Email: hyoung@tubmanmuseum.com Website: www.tubmanmuseum.com Valisa Shannon Jewel of the South Office: 770.679.5481 ext. 1002 Mobile: 404.925.5110 Email: valisa@jewelofthesouth.us Website: www.jewelofthesouth.us Charles E. Bythwood CEB Architects + 3590 Covington Hwy Decatur, GA 30032 Office: 404.522.3800 Fax: 404.522 3832 Mobile: 404.849.1411 Email: bythwood@aol.com Mechanical Consultant: Leonard Livsey Engineering Support Group, LLC 312 North Bartow Road Carterville, Georgia 30120 Mobile: 770.380.5860 Electrical Consultant: Dwight E. Beasley Engineering Support Group, LLC 312 North Bartow Road Carterville, Georgia 30120 Mobile: 770.363.8661 Plumbing Consultant: Leonard Livsey Engineering Support Group, LLC 312 North Bartow Road Carterville, Georgia 30120 Mobile: 770.380.5860 symbols **ELEVATION MARK** SECTION REFERENCE **ELEVATION REFERENCE** -SHEET NUMBER DETAIL REFERENCE DRAWING NUMBER AY.Z WALL TYPE DOOR LABEL NOTE LABEL

drawing index

LS1.0 Existing Life Safety Plans

A1.1 Enlarged Floor Plan

A1.3 Enlarged Finish Plan

A2.1 Door Schedules & Details

A3.1 Building Section & Details

A3.2 Building Section & Details

M-2 Mechanical Floor Plan

- Alternate #01

abbreviations

A.F.F.: ABOVE FINISHED FLOOR

ALUM.: ALUMINUM

BD.: BOARD

BLDG.: BUILDING

B.O.: BOTTOM OF

CLG.: CEILING

COL.:COLUMN

C.B.: CATCH BASIN

C.L.: COLUMN LINE

CONC.: CONCRETE

D.S.: DOWN SPOUT

DIM.: DIMENSION

D.I.: DROP INLET

DWG.: DRAWING

EL.: ELEVATION ELEC.: ELECTRICAL E.O.S.: EDGE OF SLAB

F.J.T.: FALSE JOINT FL: FLOOR

F.O.: FRAME OPENING

F.O.B.: FACE OF BRICK

DN: DOWN

EA.: EACH

EQ.: EQUAL EXIST.: EXISTING EXP.: EXPANSION F.D.: FLOOR DRAIN F.E.: FIRE EXTINGUISHER

FT.: FEET GA: GAUGE G.B.: GRAB BAR

GL.: GLASS

HT: HEIGHT JT: JOINT

CONT.: CONTINUOUS

CONTR.: CONTRACTOR

E.C.: ELECTRICAL CONTRACTOR

F.F.E.: FINISH FLOOR ELEVATION

G.C.: GENERAL CONTRACTOR

G.W.B.: GYPSUM WALLBOARD GYP. BD.: GYPSUM BOARD

H.M.: HOLLOW METAL FRAME

INC.: INCANDESCENT

INSUL.: INSULATION MIN.: MINIMUM

MISC.: MISCELLANEOUS M.O.: MASONRY OPENING

MECH.: MECHANICAL

N.T.S.: NOT TO SCALE

O.C.: ON CENTER

R.D.: ROOF DRAIN

REF: REFERENCE

SH.: SHELVES

SIM.: SIMILAR

STL.: STEEL

R.O.: ROUGH OPENING

N.H.C.: NO HUNG CEILING

N.I.C.: NOT IN CONTRACT

M.R.: MOISTURE RESISTANT

H.C.W.: HOLLOW CORE WOOD DOOR

P.E.J.: PREMOLDED EXPANSION JOINT

OPP. HAND.: OPPOSITE HAND

R.A.: RETURN AIR LINE DIFFUSER

R.T.C.: REFER TO CIVIL DRAWINGS

R.T.E.: REFER TO ELECTRICAL DRAWINGS

R.T.L.: REFER TO LANDSCAPE DRAWINGS

R.T.P.: REFER TO PLUMBING DRAWINGS

R.T.M: REFER TO MECHANICAL DRAWINGS

R.T.S.: REFER TO STRUCTURAL DRAWINGS

PT: PRESSURE TREATED

R.A.G.: RETURN AIR GRILLE

S.A.: SUPPLY AIR DIFFUSER

STRUCT.: STRUCTURAL

V.I..F.: VERIFY IN FIELD

SUSP.: SUSPENDED

TH.: THRESHOLD

T.O.: TOP OF

TYP.: TYPICAL

S.C.W.: SOLID CORE WOOD DOOR

U.N.O.: UNLESS NOTED OTHERWISE

WPM: WATERPROOFING MEMBRANE

V.C.T.: VINYL COMPOSITION TILE

G.F.R.C.: GLASS FIBER REINFORCED CONCRETE

E.I.F.S.: EXTERIOR INSULATED FINISH SYSTEM

E-3 Power Plan and Schedule

A.P.C.: ARCHITECTURAL PRECAST CONCRETE

M-1 Mechanical Details & Schedules

E-1 Electrical Specifications & Notes

M-2A Mechanical Floor Plan - Alternate #01

E-2 Lighting Plan and Light Fixture Schedule

E-2A Lighting Plan and Light Fixture Schedule

E-3A Power Plan and Schedule - Alternate #01

LS1.1 New Life Safety Plans - Option 1 & 2

LS1.1A New Life Safety Plans - Alternate #01

A1.1A Enlarged Floor Plan - Alternate #01

A1.2 Enlarged Floor Reflected Ceiling Plan

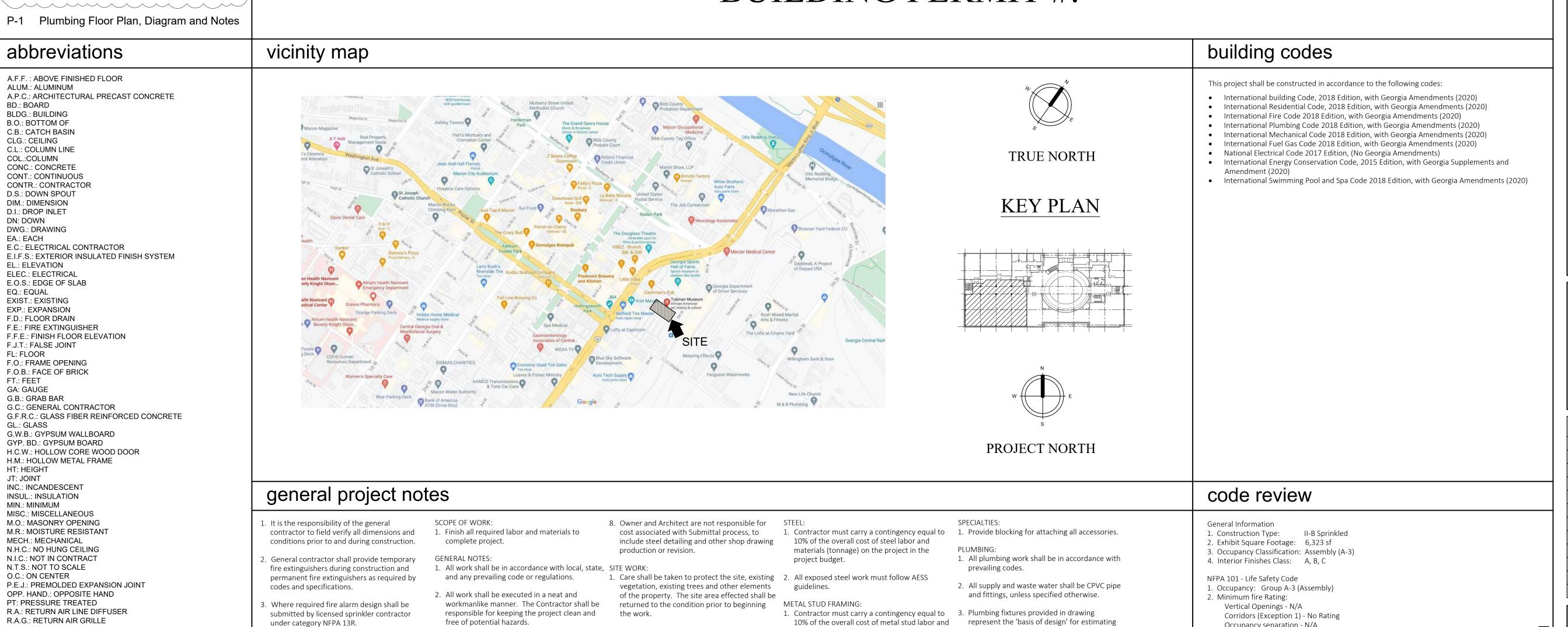
A1.3A Enlarged Finish Plan - Alternate #01

A0.1 Existing / Demolition Floor Plans

A0.0 Cover Sheet

Build-Out of Existing Space for the Tubman African American Museum 310 Cherry Street, Macon, GA 31201

BUILDING PERMIT #:



materials including drywall on the project in

1. Wall and roof insulation shall be fiberglass batt,

blow-in loose-fill fiberglass or cellulose

what is required by local building code.

membrane applied flashing, installed per

manufacture's recommended standards.

installed on proper metal and wall framing.

3. See Interior Design drawings and specifications

4. All tile installation to meet or exceed Tile

Council of America standards handbook.

finish materials (mock up) for approval prior to

5. Contractor to provide on the samples of all

be insulated to protect from freezing.

3. Roofing valleys and ridges shall have

THERMAL AND MOISTURE PROTECTION:

the project budget.

2. Concrete shall be installed within the guidelines 2. HVAC ducts, water supply and sewer lines shall ELECTRICAL

2. Footings shall be clean-cut to the proper size

1. See Structural drawings for detail information

against freezing, rapid drying or improper

3. Contractor must carry a contingency equal to

1. Install Masonry in accordance with Structural

2. Areas with exposed CMU shall be built with

unit free of defects. Mortar joints shall be

Exposed CMU walls shall be sealed against

where block maintains natural finish.

struck evenly and consistently, with no defects

moisture infiltration. Use clear sealer in areas

materials on the project budget.

10% of the overall cost of concrete labor and

of industry standards and should be protected

Contractor shall verify soil bearing capacity and

with clean, level, hard bottoms. The

modify footings as necessary.

3. The Contractor shall field verify dimensions and

of the work. The Contractor shall report any

findings or issues preventing the progress of

work to the Owner and Architect in a timely

4. The Contractor shall be responsible for the

both Owner and Contractor.

Provide fire extinguishers in each unit per 2012 5. Changes or modifications from the approved

designing and installing of any shoring or

temporary bracing required during the project.

plans must be made in writing and signed by

6. Information not provided in these drawings

does not constitute basis for a change order

Any and all questions concerning the project

must be presented as an official 'request for

information' (RFI). Any issues with contract

drawings not handled via the RFI process are

project goal and design intent, the Contractor

and it's agents are ultimately responsible for

not the responsibility of the Owner or

7. Contract documents represent the overall

means and methods.

existing conditions prior to and for the duration

. Contractor is responsible for all temporary

shoring during construction and permanent

. The contractor is responsible to inform the

per chapter 17 (special Inspections) of IBC.

3. Provide lever hardware meeting ADA

2012 NFPA Chapter 10.

requirements on all doors.

exterior exit doors.

Architect and Owner.

NFPA #10.

owner of and coordinate all required testing as

. All wall and ceiling finishes shall be class A, per

9. No keyed locks are permitted on egress side of

10. Contractor is responsible for providing shop

1. Contractor to hold on site pre-installation

meeting for all major systems and trades.

Contractor acknowledges responsibility for all

that work performed without pre-installation

meeting with Architect, Project Team, and/or

drawings and submittals for review by

purposes. Owner and Architect reserve the

1. All work shall be installed accordance with

switching, outlets and other devices required

size and location of the electrical service.

5. Contractor shall provide design/build shop

drawings as required by building official.

2. The Contractor shall provide all wiring,

to complete the project.

light locations with owner.

purposes of a change order.

prevailing codes.

prevailing codes.

insulation with R value that meets or exceeds 1. All work shall be installed accordance with

1. All gypsum wall board in the project must be 3. The Contractor and Electrician shall verify the

2. Finished concrete shall be machine troweled. 4. Verify specific outlet, switch, light types and

right to select other fixtures. These changes do

not represent an change to the contract for the



CHARLES E. BYTHWOOD, AIA

Architects . Planners . Managers

for Space xisting

Build-Ou Tubman

of



	No.	Description	Date
	Λ	Alternate #01	08 08 2022
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	THIS D	RAWING AND ASSOCIATI	 FD

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Project Number

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Occupancy separation - N/A

Number Exits Provided: 3

. Minimum Interior finishes:

Floors: Class I or II

Walls: Class A, B, or C

Number of Extinguishers Existing: 3

Maximum Travel Distance Proposed: 127 ft

4. Minimum Exits Allowed Per NFPA 101.39.2.4.4:

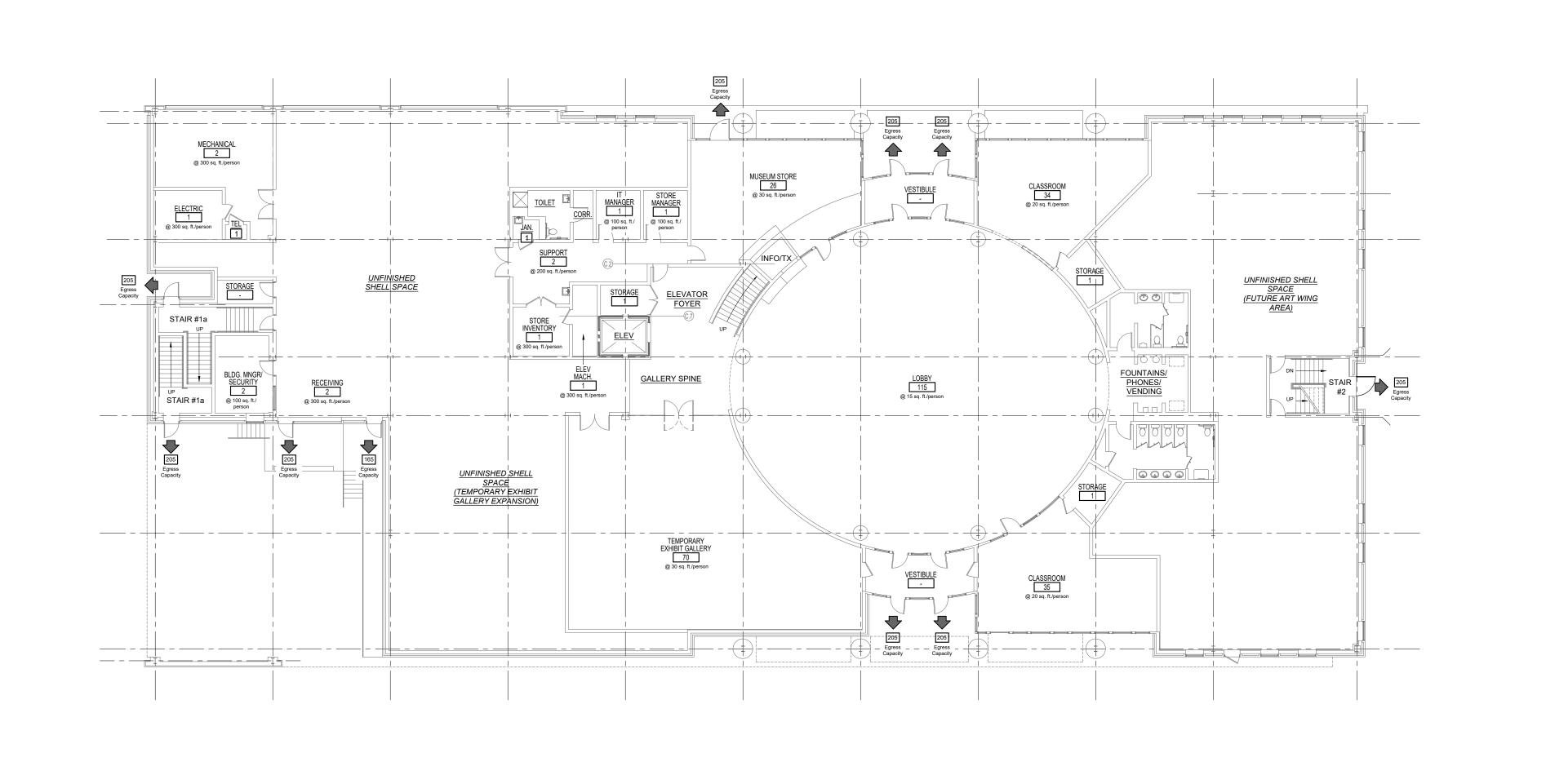
3. Maximum Travel Distance Allowed Per 39.2.4.7(3): 200 ft

ALTERNATE #01

A. REVISED DRAWING INDEX

Checked By

04/07/2022



555 PERSONS TOTAL BUILDING CAPACITY: 278 MEN (50% TOTAL), 278 WOMEN (50% TOTAL)

3 MALE TOILETS REQUIRED (1 TOILET PER 125)
6 MALE TOILETS PROVIDED (4 TOILETS AND 2 URINALS)

5 FEMALE TOILETS REQUIRED (1 TOILET PER 65) 10 FEMALE TOILETS PROVIDED

NOTE: ONE UNISEX TOILET IN ADDITIONS TO ABOVE PROVIDED

2 MALE SINKS REQUIRED (1 SINK PER 200) 4 MALE SINKS PROVIDED

2 FEMALE SINKS REQUIRED (1 SINK PER 200) 8 FEMALE SINKS PROVIDED

2 DRINKING FOUNTAINS REQUIRED (1 FOUNTAIN PER 500)

4 DRINKING FOUNTAINS PROVIDED

1 SERVICE SINK REQUIRED 2 SERVICE SINKS PROVIDED NOTE: 1 ADA ACCESSIBLE SHOWER PROVIDED (NONE REQUIRED)

PLUMBING REQUIREMENTS: (EXISTING)



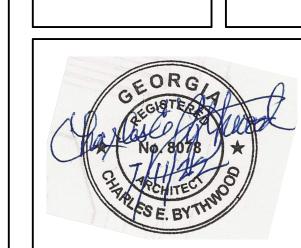
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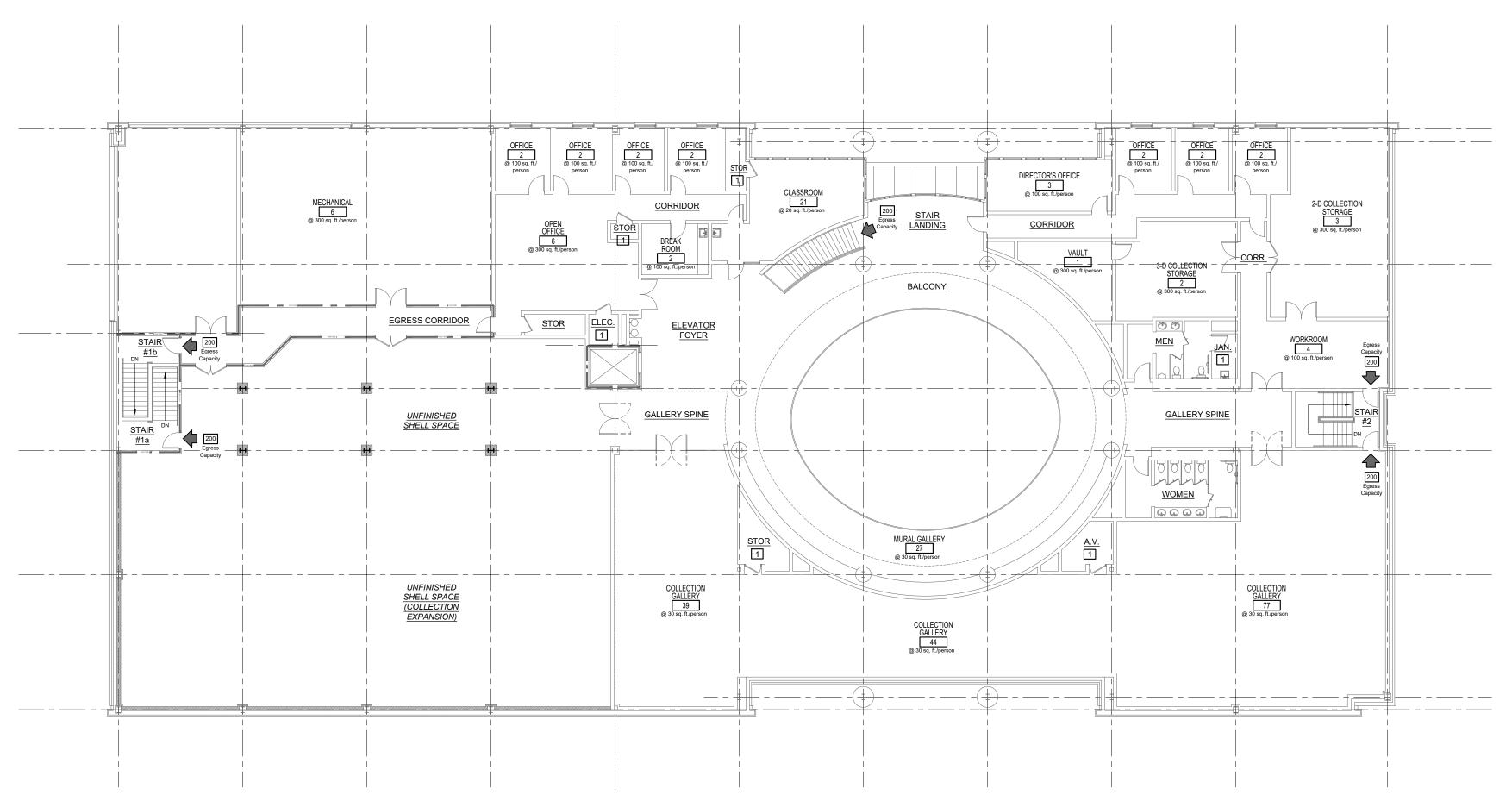
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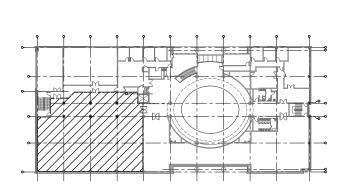
Checked By

As indicated

EXISTING FIRST FLOOR LIFE SAFETY PLAN 1/16"= 1'-0"

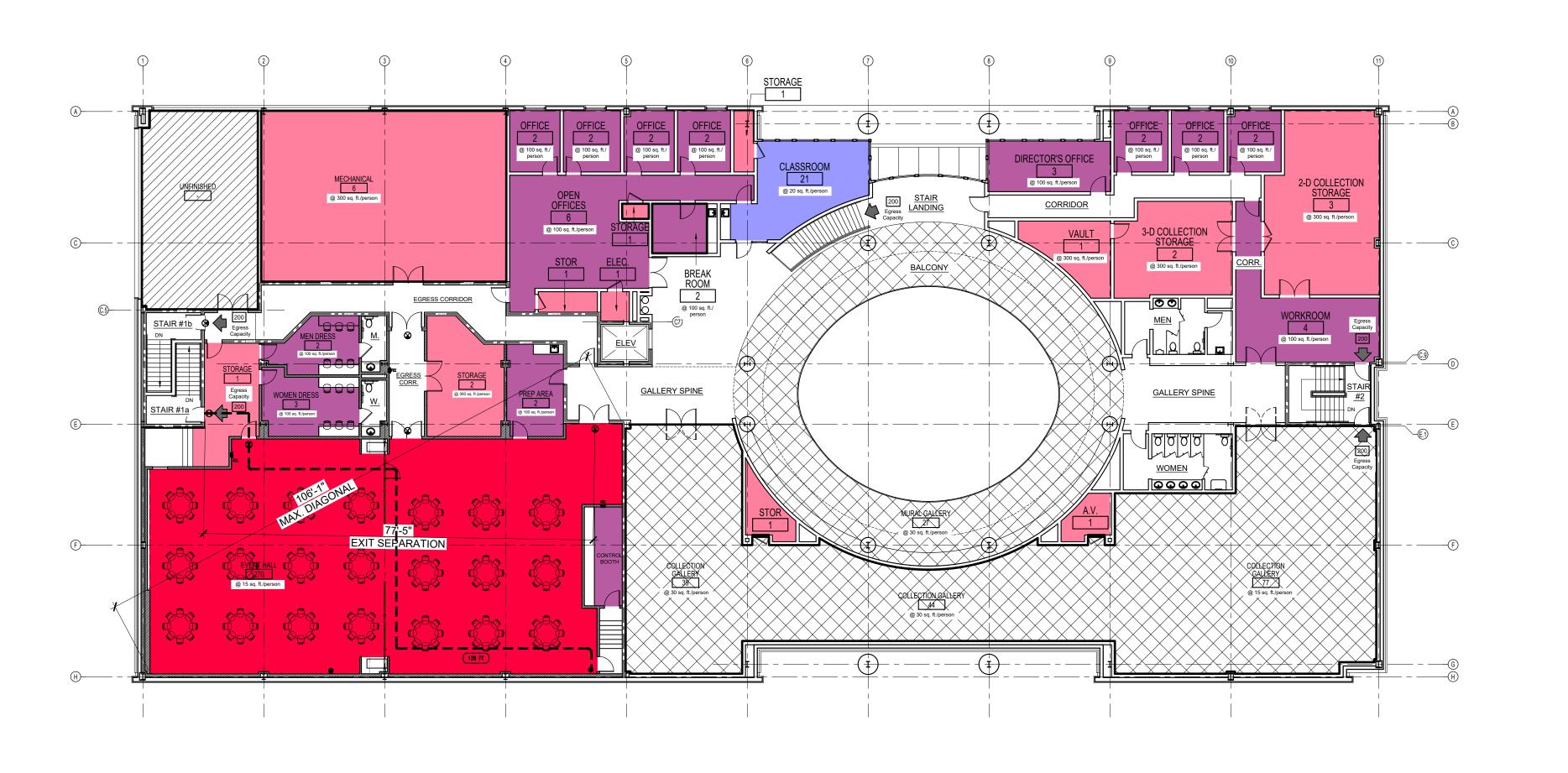


KEY PLAN



PROJECT NORTH

EXISTING SECOND FLOOR LIFE SAFETY PLAN 3/32"= 1'-0"



CLASSROOM
21
@ 20 sq. ft./person

EXIT SEPARATION

@ 100 sq. ft./person

3-D COLLECTION STORAGE 2 @ 300 sq. ft/person

<u>MEN</u>

GALLERY SPINE

WOMEN

LIFE SAFETY PLAN - OPTION #2 1/16"= 1'-0"

2-D COLLECTION STORAGE 3 @ 300 sq. ft./person

▶ (138 FT

LEGEND

© 30 sq. ft./person

UNFINISHED SPACE

<u>@ 15 sq. ft./person:</u>

11 FEMALE TOILETS PROVIDED

7 MALE SINKS PROVIDED

9 FEMALE SINKS PROVIDED

11 FEMALE TOILETS PROVIDED

7 MALE SINKS PROVIDED

9 FEMALE SINKS PROVIDED

1 SERVICE SINK REQUIRED 2 SERVICE SINKS PROVIDED

4 DRINKING FOUNTAINS PROVIDED

Ø 7 sq. ft./person:

@ 300 sq. ft./person

@ 100 sq. ft./person

@ 15 sq. ft./person

@ 200 sq. ft./person

NOTE: NUMBER IN BOX INDICATES CALCULATED PERSON OCCUPANCY TOTAL FOR ROOM

PLUMBING REQUIREMENTS:

4 MALE TOILETS REQUIRED (1 TOILET PER 125)
7 MALE TOILETS PROVIDED (5 TOILETS AND 2 URINALS)

NOTE: ONE UNISEX TOILET IN ADDITIONS TO ABOVE PROVIDED

1183 PERSONS TOTAL BUILDING CAPACITY: 592 MEN (50% TOTAL), 592 WOMEN (50% TOTAL)

7 FEMALE TOILETS REQUIRED (1 TOILET PER 65)

3 MALE SINKS REQUIRED (1 SINK PER 200)

3 FEMALE SINKS REQUIRED (1 SINK PER 200)

5 MALE TOILETS REQUIRED (1 TOILET PER 125) 7 MALE TOILETS PROVIDED (5 TOILETS AND 2 URINALS)

10 FEMALE TOILETS REQUIRED (1 TOILET PER 65)

3 MALE SINKS REQUIRED (1 SINK PER 200)

3 FEMALE SINKS REQUIRED (1 SINK PER 200)

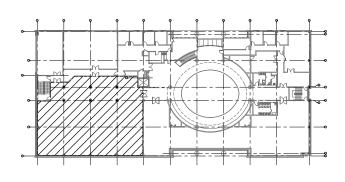
NOTE: ONE UNISEX TOILET IN ADDITIONS TO ABOVE PROVIDED

2 DRINKING FOUNTAINS REQUIRED (1 FOUNTAIN PER 500)

NOTE: 1 ADA ACCESSIBLE SHOWER PROVIDED (NONE REQUIRED)

WALL HUNG FIRE EXTINGUISHER LOCATION

KEY PLAN



PROJECT NORTH

Project Number

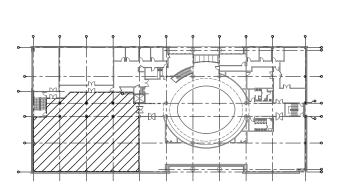
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LIFE SAFETY LEGEND EXIT ACCESS TRAVEL DISTANCE

1HR RATED WALL/SHAFT CONSTRUCTION

FIRE EXTINGUISHER+CABINET LOCATION



LIFE SAFETY PLAN - OPTION #1

868 PERSONS TOTAL BUILDING CAPACITY: 434 MEN (50% TOTAL), 434 WOMEN (50% TOTAL) for Space

of

Build-Out Tubman A

Cherry

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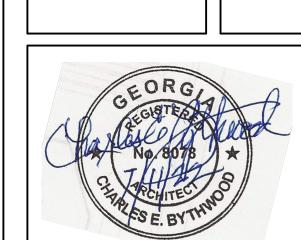
3590 Covington Hwy. Decatur, GA 30032

404.522.3832

bythwood@aol.com

CHARLES E. BYTHWOOD, AIA

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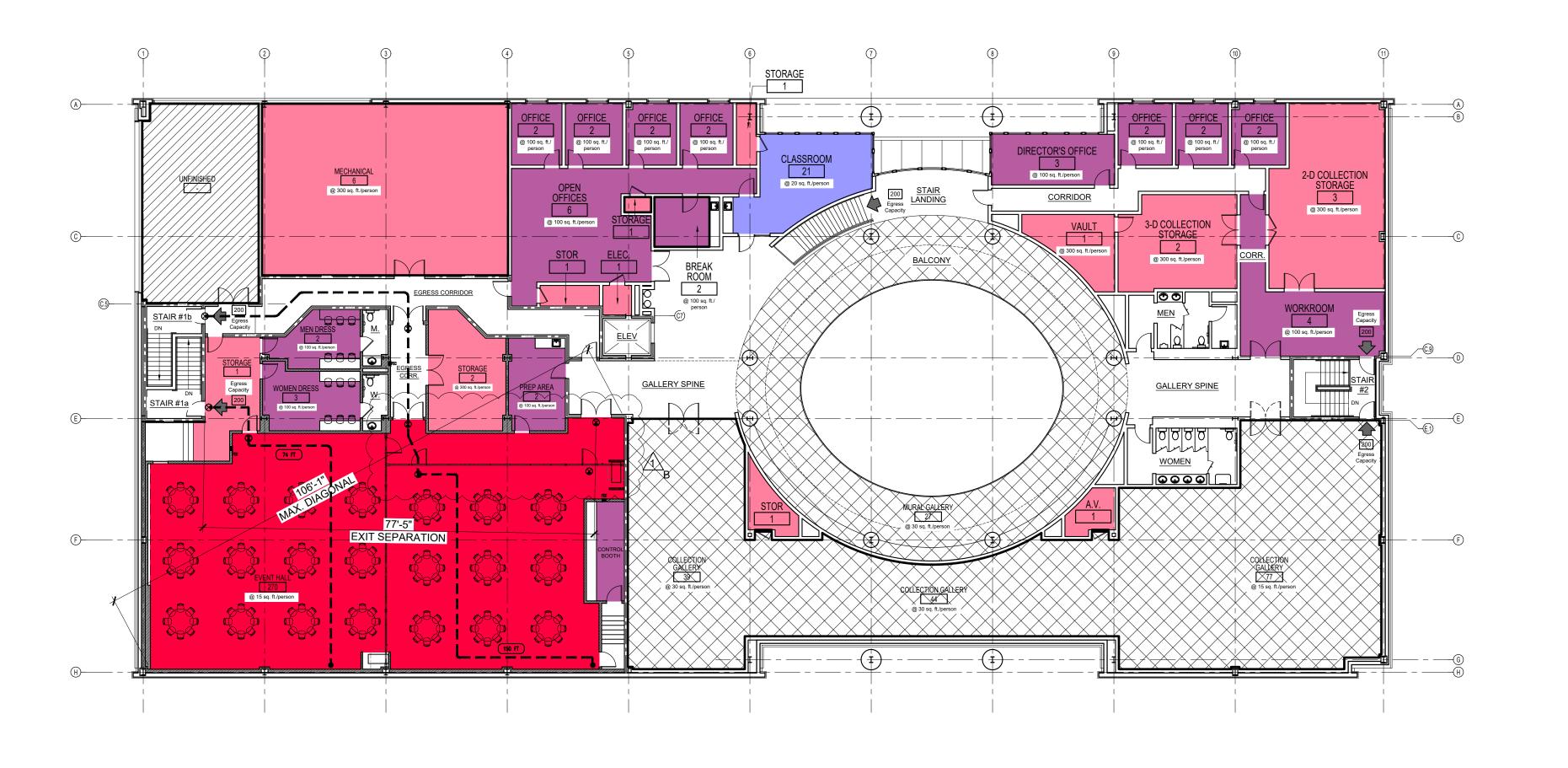
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CEB



CLASSROOM
21
@ 20 sq. ft./person

EXIT SEPARATION

LIFE SAFETY PLAN - OPTION #2 - ALTERNATE #01

2-D COLLECTION STORAGE 3 @ 300 sq. ft./person

STORAGE

2

@ 300 sq. ft./person

<u>MEN</u>

GALLERY SPINE

"[[MMMM]

WOMEN

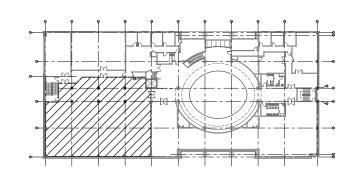


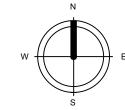
▶ (138 FT

FIRE EXTINGUISHER+CABINET LOCATION

WALL HUNG FIRE EXTINGUISHER LOCATION

ALTERNATE #01 A. NEW SHEET B. REVISED EVENT HALL FLOOR PLAN LAYOUT



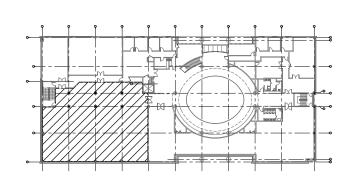


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1HR RATED WALL/SHAFT CONSTRUCTION



@ 200 sq. ft./person UNFINISHED SPACE

© 30 sq. ft./person

@ 300 sq. ft./person

@ 100 sq. ft./person

@ 15 sq. ft./person

NOTE: NUMBER IN BOX INDICATES CALCULATED PERSON OCCUPANCY TOTAL FOR ROOM

PLUMBING REQUIREMENTS:

<u>@ 15 sq. ft./person:</u>

LEGEND

868 PERSONS TOTAL BUILDING CAPACITY: 434 MEN (50% TOTAL), 434 WOMEN (50% TOTAL)

4 MALE TOILETS REQUIRED (1 TOILET PER 125)
7 MALE TOILETS PROVIDED (5 TOILETS AND 2 URINALS)

7 FEMALE TOILETS REQUIRED (1 TOILET PER 65)

11 FEMALE TOILETS PROVIDED

NOTE: ONE UNISEX TOILET IN ADDITIONS TO ABOVE PROVIDED

3 MALE SINKS REQUIRED (1 SINK PER 200) 7 MALE SINKS PROVIDED

3 FEMALE SINKS REQUIRED (1 SINK PER 200) 9 FEMALE SINKS PROVIDED

Ø 7 sq. ft./person:

1183 PERSONS TOTAL BUILDING CAPACITY: 592 MEN (50% TOTAL), 592 WOMEN (50% TOTAL)

5 MALE TOILETS REQUIRED (1 TOILET PER 125) 7 MALE TOILETS PROVIDED (5 TOILETS AND 2 URINALS)

10 FEMALE TOILETS REQUIRED (1 TOILET PER 65)

11 FEMALE TOILETS PROVIDED

NOTE: ONE UNISEX TOILET IN ADDITIONS TO ABOVE PROVIDED

3 MALE SINKS REQUIRED (1 SINK PER 200) 7 MALE SINKS PROVIDED 3 FEMALE SINKS REQUIRED (1 SINK PER 200)

9 FEMALE SINKS PROVIDED

2 DRINKING FOUNTAINS REQUIRED (1 FOUNTAIN PER 500) 4 DRINKING FOUNTAINS PROVIDED

1 SERVICE SINK REQUIRED 2 SERVICE SINKS PROVIDED

NOTE: 1 ADA ACCESSIBLE SHOWER PROVIDED (NONE REQUIRED)

EXIT ACCESS TRAVEL DISTANCE

KEY PLAN

LIFE SAFETY PLAN - OPTION #1 - ALTERNATE #01

for

Space

of

Build-Out Tubman A

bythwood@aol.com CHARLES E. BYTHWOOD, AIA

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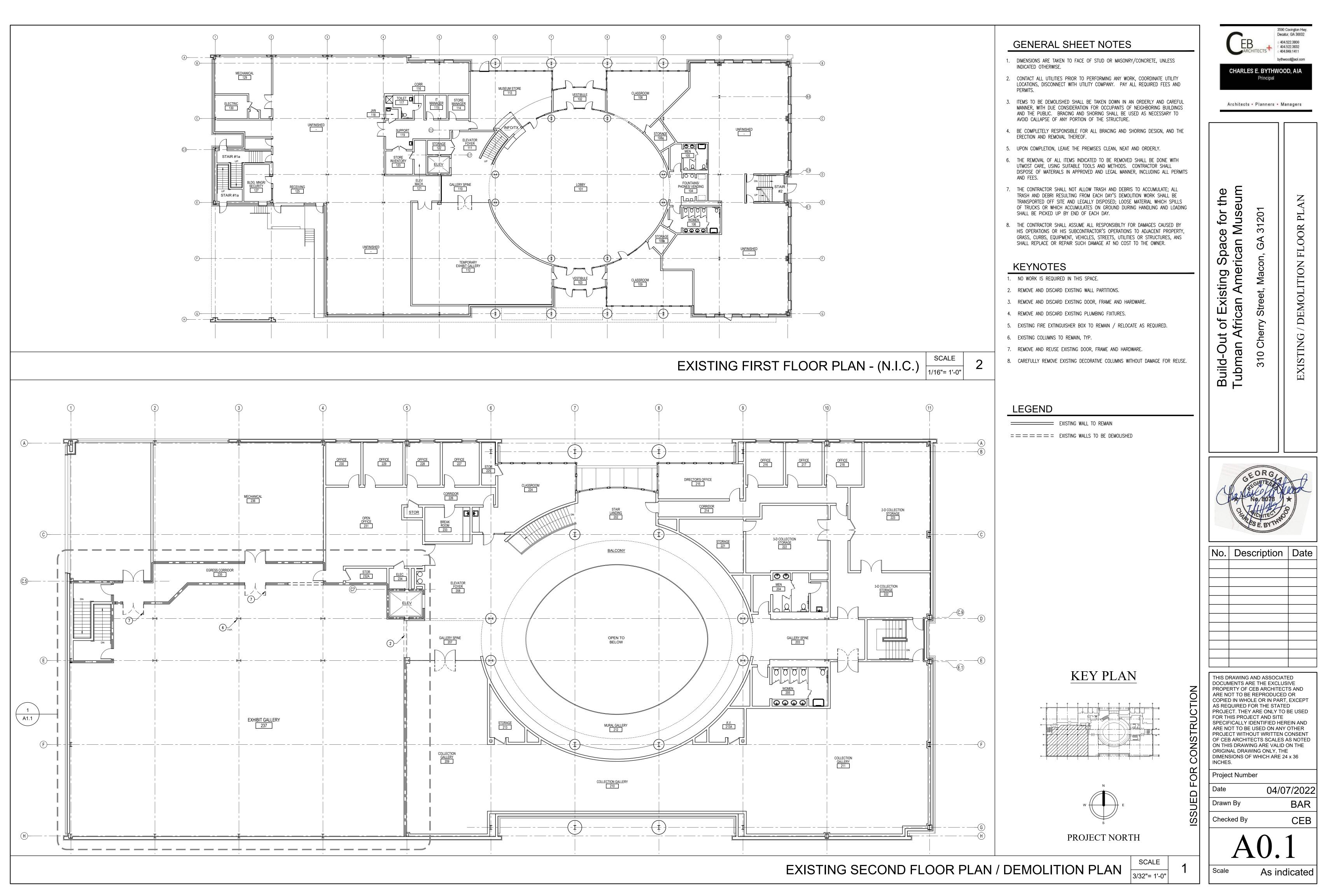
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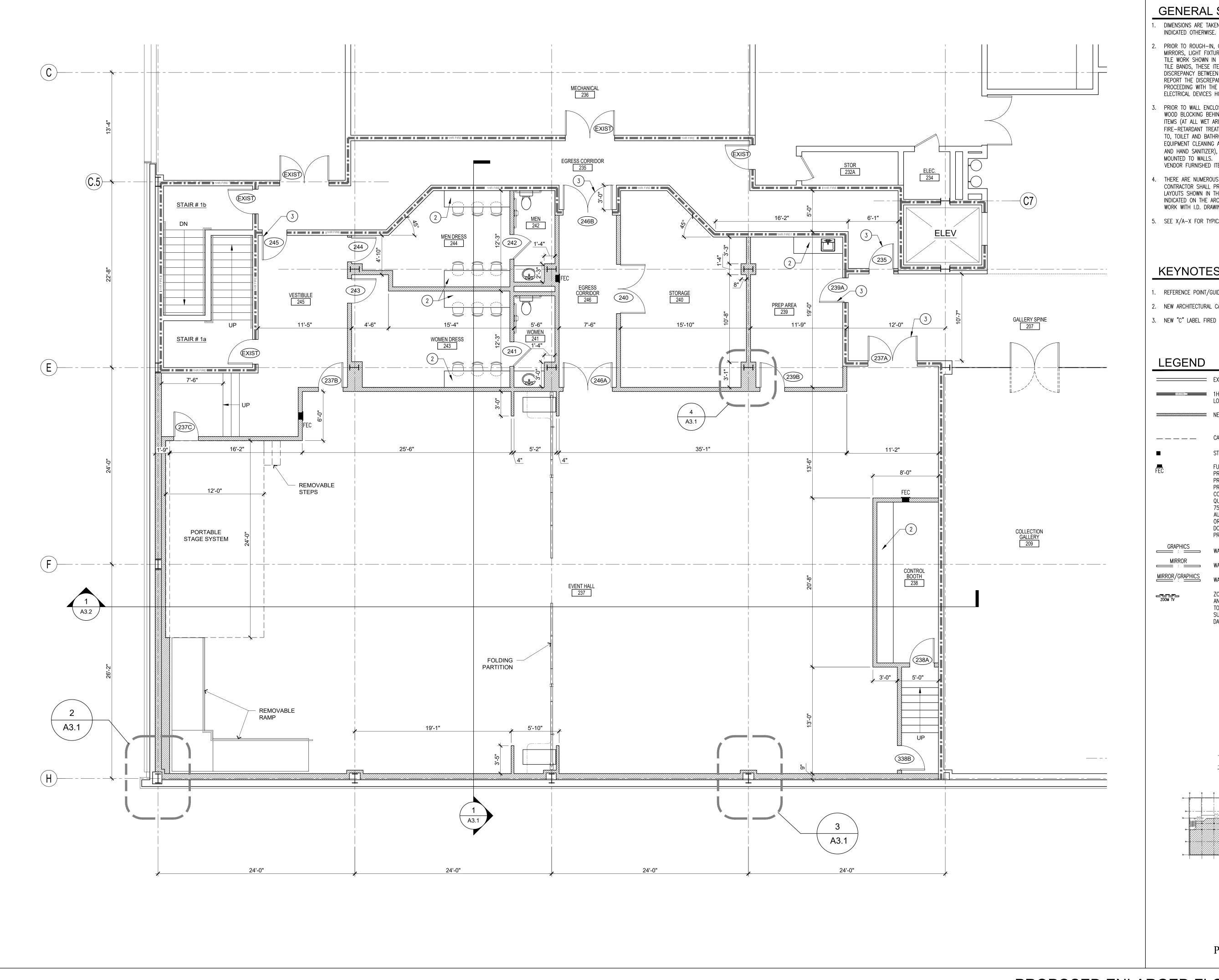
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DIMENSIONS ARE TAKEN TO FACE OF STUD OR MASONRY/CONCRETE, UNLESS

PRIOR TO ROUGH-IN, COORDINATE LOCATION OF ALL LAVATORIES, , SHOWER HEADS, MIRRORS, LIGHT FIXTURES, ELECTRICAL, AN ALL OTHER ITEMS THAT COINCIDE WITH TILE WORK SHOWN IN THE I.D. DRAWINGS.. TYPICALLY, WHERE THERE ARE ACCENT TILE BANDS, THESE ITEMS ARE CENTERED ON THE ACCENT TILE. IF THERE IS A DISCREPANCY BETWEEN THE I.D. DRAWINGS AND THE ACCESSIBILITY STANDARDS, REPORT THE DISCREPANCY TO THE ARCHITECT FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK. WHERE SHOWN IN THE I.D. DRAWINGS, MOUNT ELECTRICAL DEVICES HORIZONTALLY.

PRIOR TO WALL ENCLOSURE, CONTRACTOR SHALL PROVIDE FIRE—RETARDANT TREATED WOOD BLOCKING BEHIND ALL WALL MOUNTED ITEMS, INCLUDING OWNER FURNISHED ITEMS (AT ALL WET AREAS, PROVIDE METAL STRAP BLOCKING IN LIEU OF FIRE-RETARDANT TREATED WOOD BLOCKING). THIS INCLUDES, BUT IS NOT LIMITED TO, TOILET AND BATHROOM ACCESSORIES, KEYED STORAGE BOXES, FITNESS EQUIPMENT CLEANING ACCESSORIES (PAPER TOWEL DISPENSERS, CLEANING FLUID, AND HAND SANITIZER), GAME PANELS IN THE KIDS KLUB, AND ALL OTHER ITEMS MOUNTED TO WALLS. COORDINATE LOCATIONS WITH OWNER AND THIRD PARTY VENDOR FURNISHED ITEMS.

THERE ARE NUMEROUS SHIFTS/OFFSETS IN THE FINISH WALL AND SOFFIT SURFACES. CONTRACTOR SHALL PROVIDE ALL NECESSARY FRAMING TO ACCOMMODATE THE FINAL LAYOUTS SHOWN IN THE INTERIOR DOCUMENTS. NOT ALL CONDITIONS MAY BE INDICATED ON THE ARCHITECTURAL PLANS; COORDINATE ALL FRAMING AND LAYOUT WORK WITH I.D. DRAWINGS.

5. SEE X/A-X FOR TYPICAL GYPSUM BOARD COLUMN ENCLOSURE DETAIL.

KEYNOTES

REFERENCE POINT/GUIDELINE.

2. NEW ARCHITECTURAL CASEWORK.

3. NEW "C" LABEL FIRED RATED DOOR.

EXISTING WALL TO REMAIN

1HR RATED WALL, PROVIDE BATT INSULATION AT STUD WALL

LOCATIONS. NEW WALL, PROVIDE INSTALLATION OF ATTENUATION BLANKETS

— — — — CANOPY/SOFFIT/BULKHEAD ABOVE

STEEL COLUMN - EXISTING

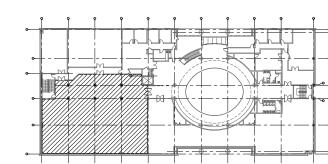
FULLY ENCLOSED FIRE EXTINGUISHER CABINET LOCATION. PROVIDE WITH A MINIMUM SIZE 2A:10B:10C FIRE EXTINGUISHER. PROVIDE TRIMLESS WHERE WALL CONSTRUCTION PERMITS, PROVIDE SEMI-RECESSED KIND WHERE DEPTH OF WALL CONSTRUCTION PROHIBITS TRIMLESS TYPE. LOCATION AND QUANTITIES OF FIRE EXTINGUISHERS SHOWN ARE BASED UPON A 75FT TRAVEL RADIUS AND 3,000 SF AREA. SHOULD THE LOCAL AUTHORITY HAVING JURISDICTION REQUIRE ADDITIONAL LOCATIONS,

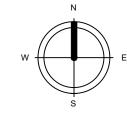
OR DIFFERING LOCATIONS FROM THOSE SHOWN IN THESE DOCUMENTS, REVIEW THESE WITH THE ARCHITECT PRIOR TO

WALL MIRRORS LOW - WALL GRAPHICS HIGH, SEE I.D. DRAWINGS.

ZOOM TV LOCATION. CONFIRM FINAL LOCATION WITH VENDOR AND L.A. FITNESS PRIOR TO ENCLOSING WALLS. CONTRACTOR TO PROVIDE FIRE RETARDANT TREATED WOOD BLOCKING FOR TV SUPPORT, COORDINATE WITH VENDOR. COORDINATE POWER AND DATA LOCATIONS WITH VENDOR PRIOR TO ROUGH-IN.

KEY PLAN





PROJECT NORTH

3590 Covington Hwy. Decatur, GA 30032 0 404.522.3800 f 404.522.3832 bythwood@aol.com

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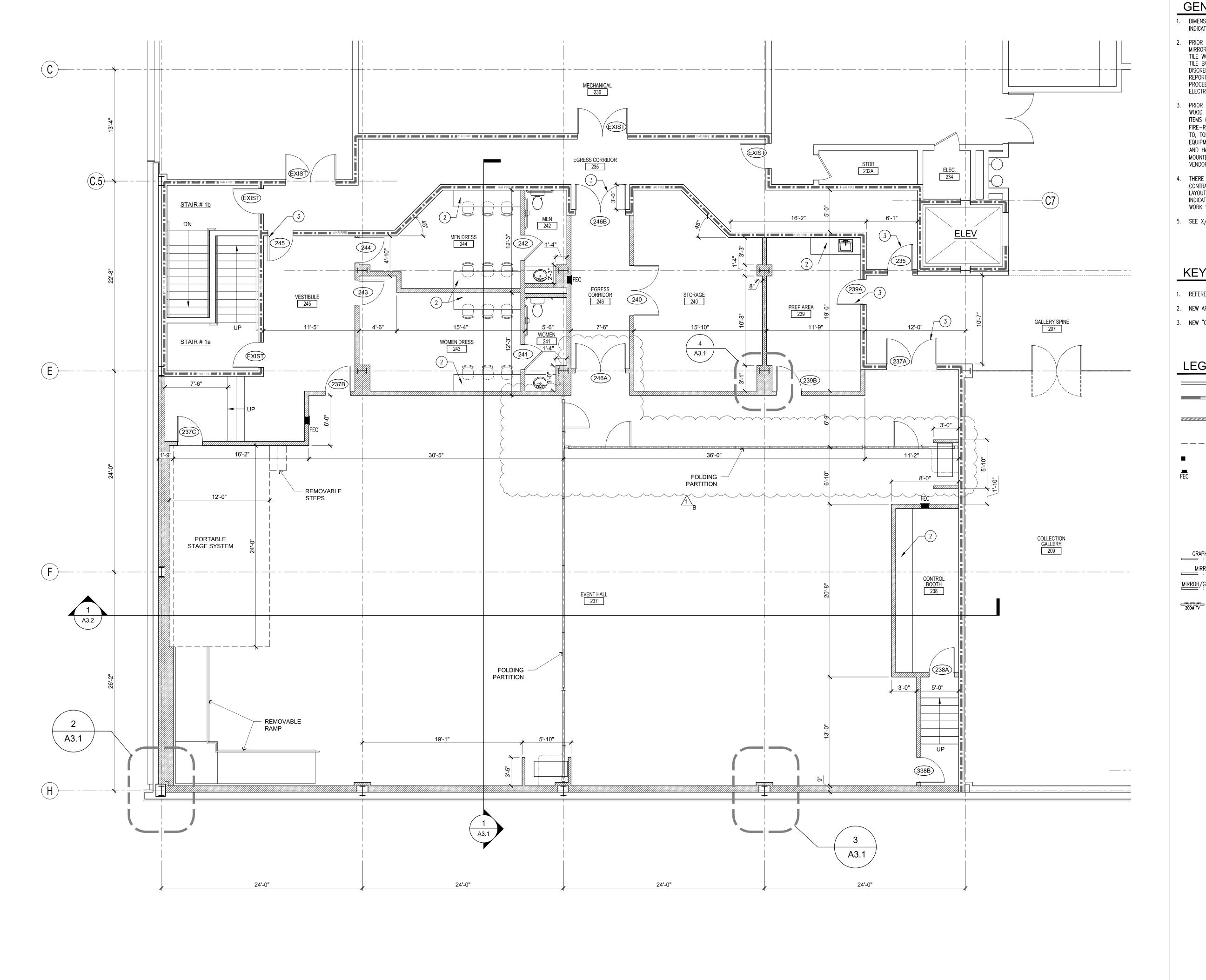
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CEB



DIMENSIONS ARE TAKEN TO FACE OF STUD OR MASONRY/CONCRETE, UNLESS INDICATED OTHERWISE.

PRIOR TO ROUGH-IN, COORDINATE LOCATION OF ALL LAVATORIES, , SHOWER HEADS, MIRRORS, LIGHT FIXTURES, ELECTRICAL, AN ALL OTHER ITEMS THAT COINCIDE WITH TILE WORK SHOWN IN THE I.D. DRAWINGS.. TYPICALLY, WHERE THERE ARE ACCENT TILE BANDS, THESE ITEMS ARE CENTERED ON THE ACCENT TILE. IF THERE IS A DISCREPANCY BETWEEN THE I.D. DRAWINGS AND THE ACCESSIBILITY STANDARDS, REPORT THE DISCREPANCY TO THE ARCHITECT FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK. WHERE SHOWN IN THE I.D. DRAWINGS, MOUNT ELECTRICAL DEVICES HORIZONTALLY.

PRIOR TO WALL ENCLOSURE, CONTRACTOR SHALL PROVIDE FIRE—RETARDANT TREATED WOOD BLOCKING BEHIND ALL WALL MOUNTED ITEMS, INCLUDING OWNER FURNISHED ITEMS (AT ALL WET AREAS, PROVIDE METAL STRAP BLOCKING IN LIEU OF FIRE-RETARDANT TREATED WOOD BLOCKING). THIS INCLUDES, BUT IS NOT LIMITED TO, TOILET AND BATHROOM ACCESSORIES, KEYED STORAGE BOXES, FITNESS EQUIPMENT CLEANING ACCESSORIES (PAPER TOWEL DISPENSERS, CLEANING FLUID, AND HAND SANITIZER), GAME PANELS IN THE KIDS KLUB, AND ALL OTHER ITEMS MOUNTED TO WALLS. COORDINATE LOCATIONS WITH OWNER AND THIRD PARTY VENDOR FURNISHED ITEMS.

THERE ARE NUMEROUS SHIFTS/OFFSETS IN THE FINISH WALL AND SOFFIT SURFACES. CONTRACTOR SHALL PROVIDE ALL NECESSARY FRAMING TO ACCOMMODATE THE FINAL LAYOUTS SHOWN IN THE INTERIOR DOCUMENTS. NOT ALL CONDITIONS MAY BE INDICATED ON THE ARCHITECTURAL PLANS; COORDINATE ALL FRAMING AND LAYOUT WORK WITH I.D. DRAWINGS.

5. SEE X/A-X FOR TYPICAL GYPSUM BOARD COLUMN ENCLOSURE DETAIL.

KEYNOTES

REFERENCE POINT/GUIDELINE.

2. NEW ARCHITECTURAL CASEWORK.

3. NEW "C" LABEL FIRED RATED DOOR.

LEGEND

EXISTING WALL TO REMAIN

1HR RATED WALL, PROVIDE BATT INSULATION AT STUD WALL

LOCATIONS. NEW WALL, PROVIDE INSTALLATION OF ATTENUATION BLANKETS

— — — — CANOPY/SOFFIT/BULKHEAD ABOVE

STEEL COLUMN — EXISTING

FULLY ENCLOSED FIRE EXTINGUISHER CABINET LOCATION. PROVIDE WITH A MINIMUM SIZE 2A:10B:10C FIRE EXTINGUISHER. PROVIDE TRIMLESS WHERE WALL CONSTRUCTION PERMITS, PROVIDE SEMI-RECESSED KIND WHERE DEPTH OF WALL CONSTRUCTION PROHIBITS TRIMLESS TYPE. LOCATION AND QUANTITIES OF FIRE EXTINGUISHERS SHOWN ARE BASED UPON A 75FT TRAVEL RADIUS AND 3,000 SF AREA. SHOULD THE LOCAL AUTHORITY HAVING JURISDICTION REQUIRE ADDITIONAL LOCATIONS,

OR DIFFERING LOCATIONS FROM THOSE SHOWN IN THESE DOCUMENTS, REVIEW THESE WITH THE ARCHITECT PRIOR TO

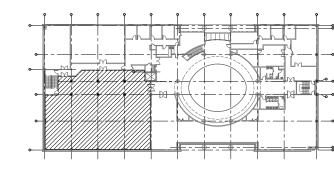
MIRROR ...

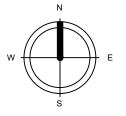
WALL MIRRORS LOW - WALL GRAPHICS HIGH, SEE I.D. DRAWINGS.

ZOOM TV LOCATION. CONFIRM FINAL LOCATION WITH VENDOR AND L.A. FITNESS PRIOR TO ENCLOSING WALLS. CONTRACTOR TO PROVIDE FIRE RETARDANT TREATED WOOD BLOCKING FOR TV SUPPORT, COORDINATE WITH VENDOR. COORDINATE POWER AND DATA LOCATIONS WITH VENDOR PRIOR TO ROUGH-IN.

> **ALTERNATE #01** A. NEW SHEET B. REVISED EVENT HALL FLOOR PLAN LAYOUT

KEY PLAN





PROJECT NORTH

Decatur, GA 30032 404.522.3832 bythwood@aol.com

CHARLES E. BYTHWOOD, AIA

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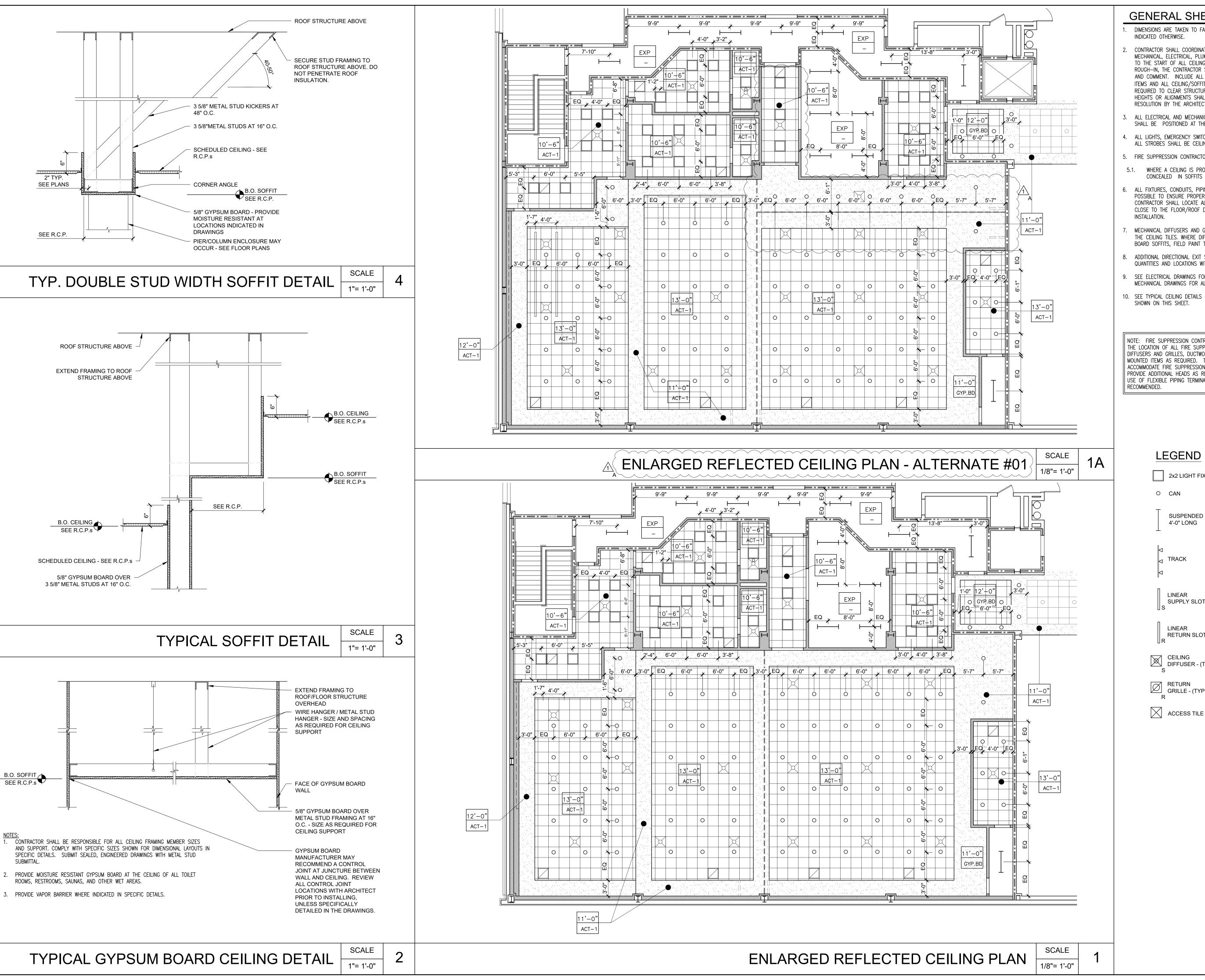
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	RAWING AND ASSOCIATE	

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DIMENSIONS ARE TAKEN TO FACE OF STUD OR MASONRY/CONCRETE, UNLESS

CONTRACTOR SHALL COORDINATE CEILING HEIGHTS WITH ALL STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING COMPONENTS MOUNTED IN THE CEILING. PRIOR ROUGH-IN. THE CONTRACTOR SHALL PREPARE COORDINATION DRAWINGS FOR REVIEW AND COMMENT. INCLUDE ALL PERTINENT ELEVATION INFORMATION FOR S/M/E/P ITEMS AND ALL CEILING/SOFFIT HEIGHTS. INDICATE ALL OFFSETS AND TRANSITIONS REQUIRED TO CLEAR STRUCTURAL ELEMENTS. ALL POTENTIAL CONFLICTS WITH CEILING HEIGHTS OR ALIGNMENTS SHALL BE CLOUDED AND NOTED IN THE DOCUMENTS FOR

ALL ELECTRICAL AND MECHANICAL ITEMS LOCATED IN ACOUSTICAL CEILING PANELS SHALL BE POSITIONED AT THE MID OR QUARTER POINTS OF THE PANEL.

- 4. ALL LIGHTS, EMERGENCY SWITCHES, STROBES, DIFFUSERS, ETC., SHALL BE CENTERED. ALL STROBES SHALL BE CEILING MOUNTED.
- 5. FIRE SUPPRESSION CONTRACTOR SHALL PROVIDE THE FOLLOWING:
- 5.1. WHERE A CEILING IS PROVIDED, ALL FIRE SUPPRESSION PIPING SHALL BE CONCEALED IN SOFFITS OR ABOVE CEILING. PROVIDE OFFSETS AS REQUIRED.
- ALL FIXTURES, CONDUITS, PIPING, DUCTWORK, ETC. SHALL BE MOUNTED AS HIGH AS POSSIBLE TO ENSURE PROPER CLEARANCES AND CEILING HEIGHTS ARE MAINTAINED. CONTRACTOR SHALL LOCATE ALL CONDUITS AND PIPINIG IN THE JOIST SPACE, AS CLOSE TO THE FLOOR/ROOF DECK ABOVE, TO MAXIMIZE SPACE FOR DUCT
- MECHANICAL DIFFUSERS AND GRILLES SHALL BE PRE-FINISHED IN 'WHITE' TO MATCH THE CEILING TILES. WHERE DIFFUSERS AND GRILLES OCCUR IN PAINTED GYPSUM BOARD SOFFITS, FIELD PAINT THE DIFFUSERS TO MATCH THE SOFFIT COLOR.
- ADDITIONAL DIRECTIONAL EXIT SIGNS MAY BE REQUIRED. CONTRACTOR TO VERIFY QUANTITIES AND LOCATIONS WITH THE LOCAL AUTHORITY HAVING JURISDICTION.
- 9. SEE ELECTRICAL DRAWINGS FOR ALL LIGHT FIXTURE TYPES AND MODELS. SEE MECHANICAL DRAWINGS FOR ALL DIFFUSER TYPES AND SIZES.
- 10. SEE TYPICAL CEILING DETAILS ON THIS SHEET. COORDINATE WORK WITH INFORMATION

NOTE: FIRE SUPPRESSION CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATION OF ALL FIRE SUPPRESSION HEADS WITH THE LIGHT FIXTURES, DIFFUSERS AND GRILLES, DUCTWORK, SKYLIGHTS, CEILING FANS AND OTHER CEILING MOUNTED ITEMS AS REQUIRED. THESE ITEMS SHALL NOT BE RELOCATED TO PROVIDE ADDITIONAL HEADS AS REQUIRED TO MAINTAIN R.C.P. LAYOUT SHOWN. THE USE OF FLEXIBLE PIPING TERMINATIONS AT SPRINKLER HEADS IS STRONGLY

LEGEND

2x2 LIGHT FIXTURE

4'-0" LONG

TRACK

SUPPLY SLOT - (TYPE A, B, C)

RETURN SLOT - (TYPE D)

CEILING
DIFFUSER - (TYPE E)

RETURN
GRILLE - (TYPE F)

ALTERNATE #01

CEILING PLAN

A. ADDED ALTERNATE REFLECTED

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CEB

CHARLES E. BYTHWOOD, AIA

Architects • Planners • Managers

Decatur, GA 30032

0 404.522.3800

404.522.3832

bythwood@aol.com

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Build-Ou Tubman

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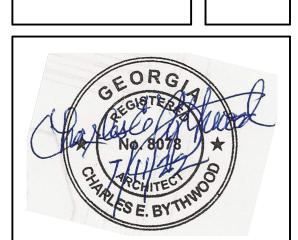
			MATERIAL	SCHEDULE				,
TYPE	MANUFACTURER	PRODUCT NAME	PRODUCT STYLE	FINISH	LOCATION	CONTACT	NOTES	
PT-1	N/A	STANDARD	STANDARD	PAINT	REFER TO PLAN	N/A		
B-1	N/A	STANDARD	STANDARD	6" RUBBER BASE	REFER TO PLAN	N/A		2.
CPT-1	N/A	STANDARD	STANDARD	CARPET	REFER TO PLAN	N/A		7
T-1	N/A	STANDARD	STANDARD	TILE	REFER TO PLAN	N/A	4' TILE WAINSCOT	J.

- . IN ALL USE AREAS THE INTERIOR WALL AND CEILING FINISHES SHALL BE CLASS C OR HIGHER, IN ACCORDANCE WITH IBC 2020, TABLE 803.9.
- 2. GC TO FULLY RESEARCH THICKNESS OF FLOORING FINISHES IN ORDER TO PROPERLY PROVIDE/BID UNDERLAYMENT BELOW FLOORING TO CREATE A CONTINUOUS LEVEL SURFACÉ BETWEEN FLOORING MATERIALS.
- 3. FLOORING TRANSITIONS TO OCCUR AT CENTERLINE OF WALL, U.N.O.

FINISH LEGEND

INDICATES TYPICAL WALL, BASE, AND FLOORING FINISHES

Space for the srican Museum 31201 Cherry Build-Out Tubman A 310



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ENLARGED FINISH PLAN

EGRESS CORRIDOR

235 B-1 1 1HR FIRE MEN DRESS
244
PT-1
B-1
CPT-1 1HR FIRE I J1HR FIRE PT-1
B-1
CPT-1 PT-1 PT-1 B-1 B-1 CPT-1 PT-1 CPT-1 PT-1 B-1 1HR FIRE PT-1 B-1 CPT-1

SCALE

CHARLES E. BYTHWOOD, AIA

Architects • Planners • Managers

3590 Covington Hwy. Decatur, GA 30032

0 404.522.3800 f 404.522.3832 c 404.849.1411

bythwood@aol.com

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INCHES.

04/07/2022

	MATERIAL SCHEDULE							
TYPE	MANUFACTURER	PRODUCT NAME	PRODUCT STYLE	FINISH	LOCATION	CONTACT	NOTES] <u>-</u>
PT-1	N/A	STANDARD	STANDARD	PAINT	REFER TO PLAN	N/A] ''
B-1	N/A	STANDARD	STANDARD	6" RUBBER BASE	REFER TO PLAN	N/A		2.
CPT-1	N/A	STANDARD	STANDARD	CARPET	REFER TO PLAN	N/A] ,
T-1	N/A	STANDARD	STANDARD	TILE	REFER TO PLAN	N/A	4' TILE WAINSCOT	- 3.

- IN ALL USE AREAS THE INTERIOR WALL AND CEILING FINISHES SHALL BE CLASS C OR HIGHER, IN ACCORDANCE WITH IBC 2020, TABLE 803.9.
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- FLOORING TRANSITIONS TO OCCUR AT CENTERLINE OF WALL, U.N.O.

INDICATES TYPICAL WALL, BASE, AND FLOORING FINISHES

FINISH LEGEND

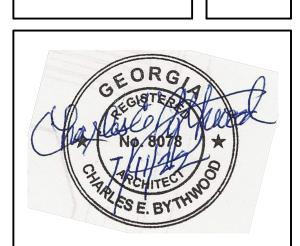
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f 404.522.3832

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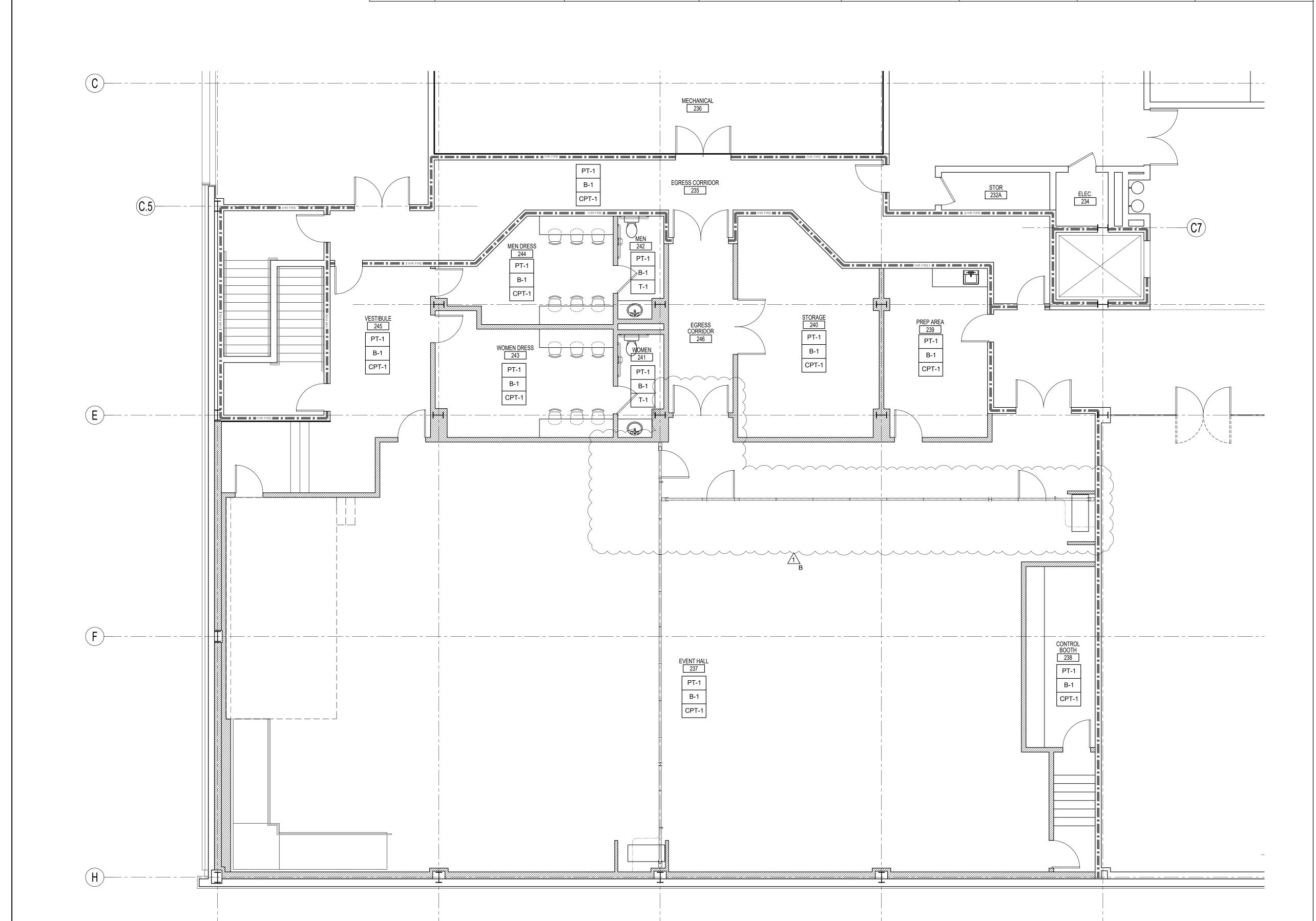
ENLARGED FINISH PLAN - ALTERNATE #01

ALTERNATE #01

B. REVISED EVENT HALL FLOOR

A. NEW SHEET

PLAN LAYOUT



DOOR SCHEDULE NOTES

- 1. DOOR NUMBERS ARE DIRECTLY ASSOCIATED WITH THE ROOM NUMBERS. THERE ARE JUMPS IN THE DOOR NUMBERING DUE TO ROOMS WITH NO DOORS IN THEM OR UNUSED ROOM NUMBERS.
- 2. WOOD DOOR STAIN SHALL MATCH TYPICAL WOOD VENEER/LAMINATE THROUGHOUT THE BUILDING.
- 3. ALARM LOCKS, DELAYED EGRESS LOCKS, AND PANIC HARDWARE LOCATIONS SHALL BE APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
- 4. ALL DOORS, DOOR FRAMES, AND DOOR HARDWARE SHALL BE ADA COMPLIANT, ALL LOCKSET DOOR HANDLES SHALL BE LEVER TYPE.
- 5. PROVIDE SILENCERS AT AT HOLLOW METAL DOOR FRAMES.
- 6. PROVIDE DOOR SWEEPS OR AUTOMATIC BOTTOMS AT ALL EXTERIOR DOORS.
- 7. PROVIDE ASTRAGALS AT ALL PAIRS OF DOORS. ASTRAGALS SHALL BE OF THE KIND THAT DO NOT REQUIRE A DOOR COORDINATOR FOR DOOR
- 8. ALL PIN TYPE HINGES, WHICH ARE ACCESSIBLE FROM THE EXTERIOR, SHALL HAVE HAVE NON-REMOVABLE PINS.
- 9. ALL DOORS SHALL BE OPERABLE FROM THE INTERIOR OF A ROOM OR SPACE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR SPECIAL EFFORT.
- 10. EXIT DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL WHEN SERVING ANY HAZARDOUS AREA OR WHEN SERVING AN OCCUPANT LOAD OF 50 OR GREATER.
- 11. ALL EXTERIOR DOORS SHALL HAVE EXIT DEVICES (PANIC HARDWARE) AS NOTED IN THE HARDWARE SCHEDULE.
- 12. CONTRACTOR SHALL PREPARE A HARDWARE SCHEDULE, AND HARDWARE PRODUCT DATA, FOR REVIEW BY THE ARCHITECT PRIOR TO ORDERING DOORS, FRAMES, AND HARDWARE.
- 13. COORDINATE THRESHOLD TYPES AND LENGTHS WITH FIELD CONDITIONS. PAY CLOSE ATTENTION TO CONDITIONS RECESSED SLABS FOR WOOD ATHLETIC FLOORS AND THICKSET TILE FLOORS.

DOOR SCHEDULE ABBREVIATIONS

CLR. ANODIZED CLEAR ANODIZED ALUMINUM FINISH

CONCRETE, COORDINATE WITH I.D. DRAWINGS.

FULLY TEMPERED IGU FULLY TEMPERED (SAFETY GLASS) INSULATED GLASS UNITS.

MATCH ADJACENT INSULATED GLASS UNITS IN WINDOW FRAMING

FULLY TEMPERED SG FULLY TEMPERED SINGLE PANE SAFETY GLASS. MATCH ADJACENT GLAZING IN WINDOW FRAMING.

GALVANIZED HOLLOW METAL

RESILIENT THRESHOLD, COORDINATE WITH I.D. DRAWINGS RESILIENT

S.C. WOOD SOLID CORE FLUSH WOOD DOOR

S.W.B. — FACTORY STAINED SELECT WHITE BIRCH VENEER, FACTORY STAINED AND FINISHED

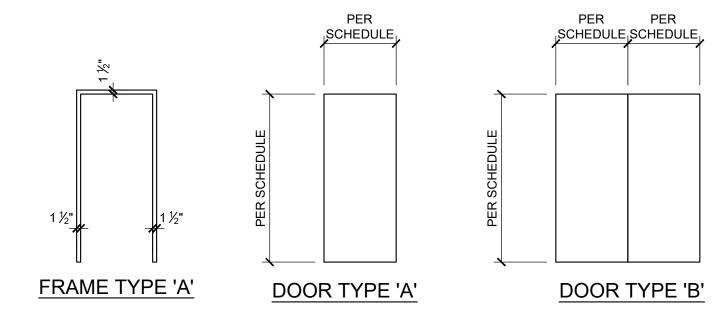
THERMALLY IMPROVED ALUMINUM DOOR AND THERMALLY IMPROVED ALUMINUM THRESHOLD

THERMALLY IMPROVED ALUMINUM STOREFRONT FRAMING T.I. ALUM. STOREFRONT

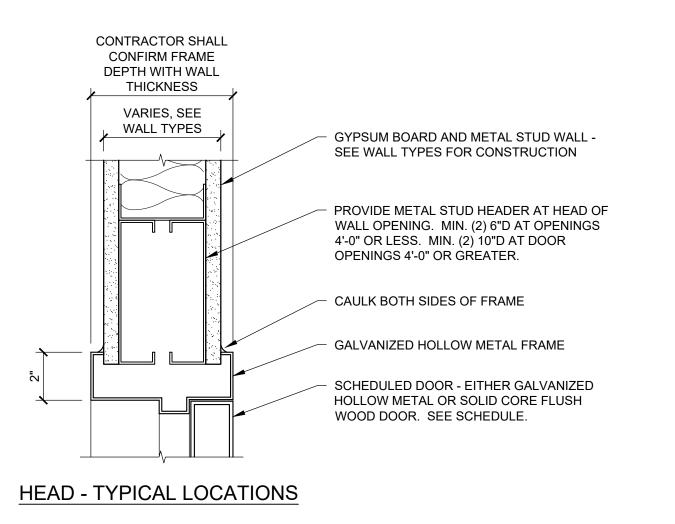
TILE THRESHOLD, COORDINATE WITH I.D. DRAWINGS

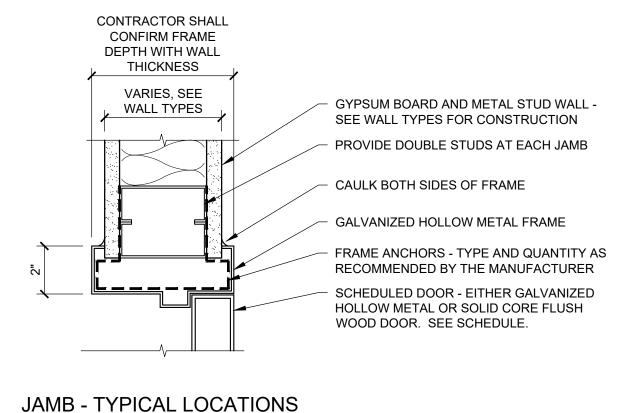
DOOR DETAIL IS PART OF MANUFACTURER'S STANDARD DETAILS, MANUF. SEE MANUFACTURER'S LITERATURE

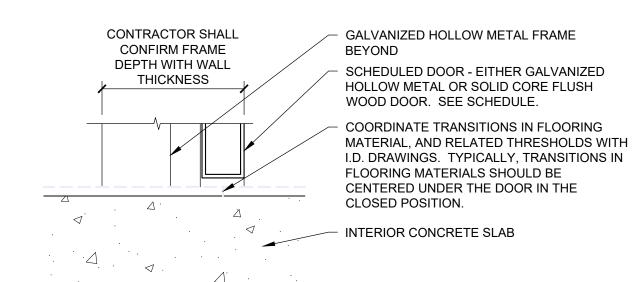
WOOD FRAMING, BY CASEWORK CONTRACTOR WOOD











SILL - TYPICAL LOCATIONS

SCALE 1"= 1'-0"

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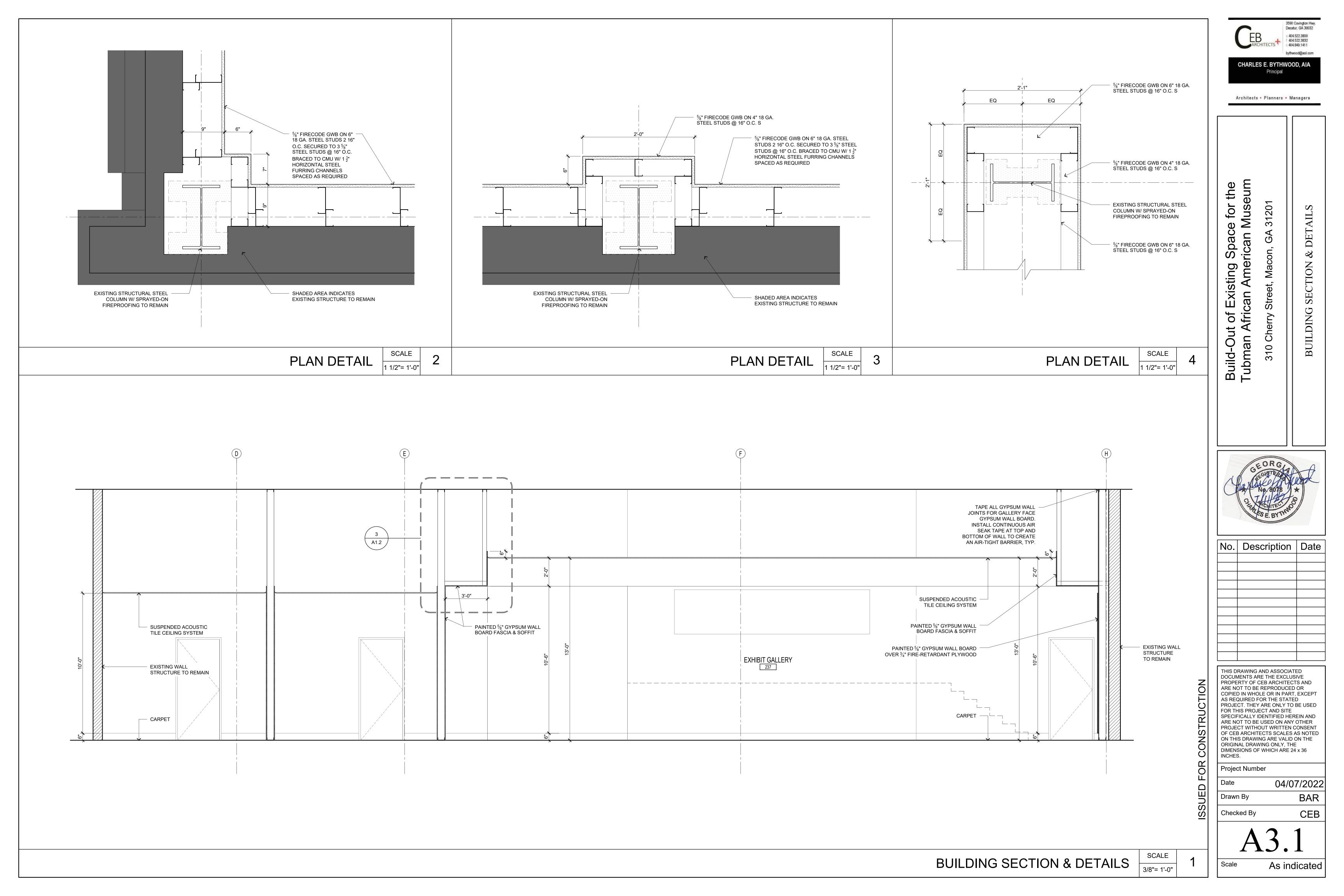
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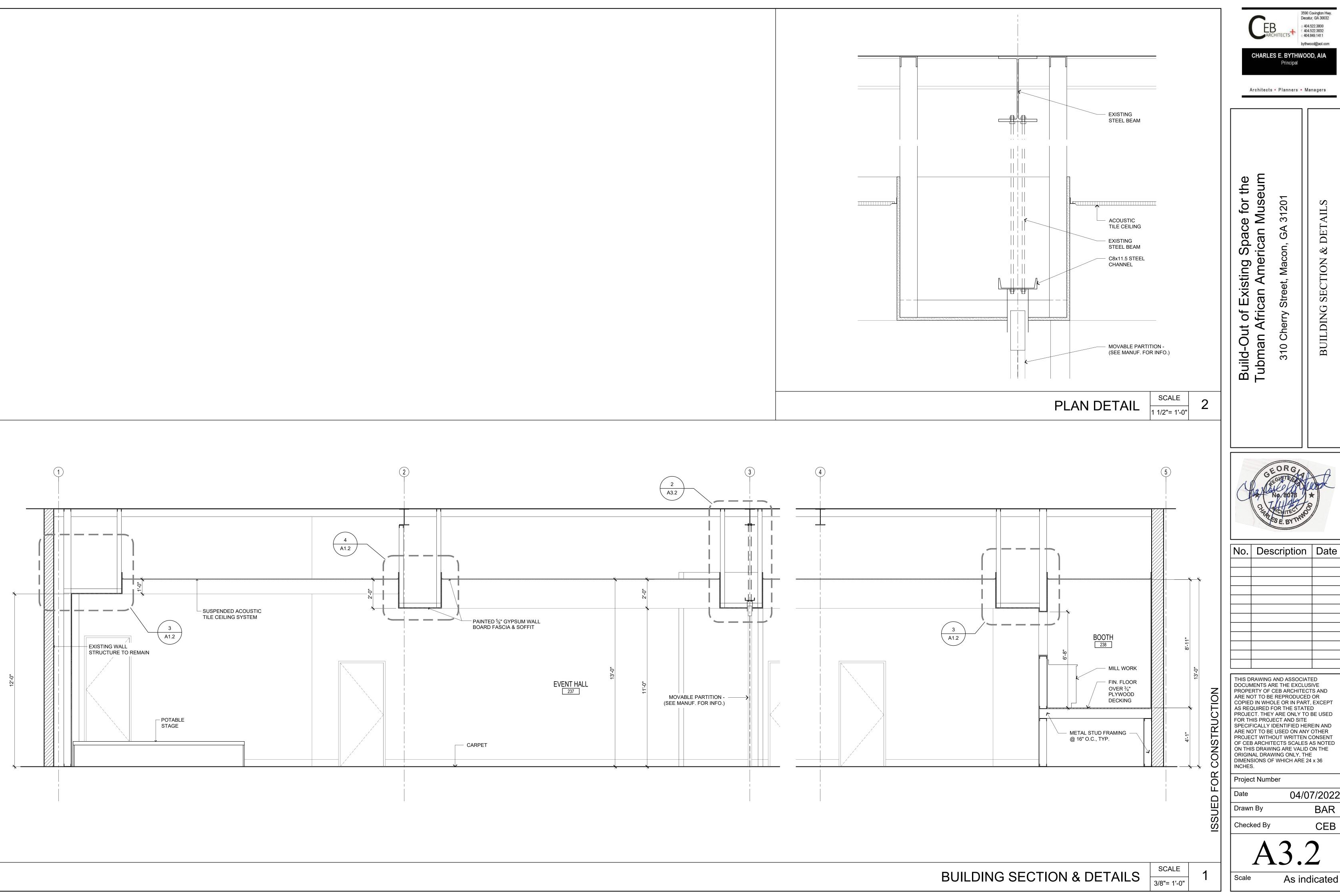
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GENERAL HVAC NOTES

- ALL MECHANICAL EQUIPMENT AND INSTALLATIONS SHALL CONFORM WITH THE REQUIREMENTS OF THE 2018 17. DUCT ACCESS DOORS: PROVIDE ACCESS DOORS IN DUCTWORK AT EACH FIRE, COMBINATION FIRE/SMOKE MECHANICAL CODE, THE 2018 INTERNATIONAL BUILDING CODE, THE 2015 INTERNATIONAL ENERGY CONSERVATION CODE, STATE AND LOCAL AMENDMENTS, NFPA 90A, , 101, UNDERWRITERS LABORATORIES (OR ETL) AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.
- THE LOCATIONS, ARRANGEMENT AND EXTENT OF EQUIPMENT, PIPING, SUPPORTS, DEVICES, CONDUIT, AND OTHER APPURTENANCES RELATED TO THE INSTALLATION OF THE MECHANICAL AND ELECTRICAL WORK SHOWN ARE APPROXIMATE. THE DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE THE DRAWINGS, BUT REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS OF BUILDING COMPONENTS SHOULD A CONFLICT EXIST BETWEEN THE ARCHITECTURAL AND ENGINEERING DRAWINGS REGARDING DIMENSIONS, SCALE, ETC., NOTIFY THE ARCHITECT IMMEDIATELY.
- MATERIALS, EQUIPMENT OR LABOR NOT INDICATED, BUT WHICH CAN BE REASONABLY INFERRED TO BE NECESSARY FOR A COMPLETE INSTALLATION SHALL BE PROVIDED. THE DRAWINGS AND SPECIFICATIONS DO NOT UNDERTAKE TO INDICATE EVERY ITEM OF MATERIAL, EQUIPMENT OR LABOR REQUIRED TO PRODUCE A SAFE, COMPLETE AND PROPERLY OPERATING SYSTEM.
- 4. PRIOR TO PURCHASING ANY MATERIALS OR STARTING ANY WORK, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DUCTWORK SIZES AND LOCATIONS, EQUIPMENT, ETC. SHOWN ON THE DRAWINGS OR AFFECTING THIS WORK AND SHALL REPORT ANY DEVIATIONS TO THE ARCHITECT.
- 5. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY MECHANICAL EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE: ALL EQUIPMENT SCHEDULED OR SPECIFIED ON THE DRAWINGS;
- 6. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS.
- 7. ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER
- MOUNT TOP OF THERMOSTATS AND SENSORS 46" AFF UNLESS NOTED OTHERWISE. PROVIDE CLEAR LOCKING GUARD ASSEMBLIES FOR ALL PUBLIC AREA THERMOSTATS. COORDINATE THERMOSTAT LOCATIONS WITH OTHER TRADES. ALL THERMOSTATS SHALL BE ADA COMPLIANT.
- 12. ALL WORK SHALL BE COORDINATED AND PERFORMED WITH PRIOR APPROVAL FROM THE OWNER TO SUIT HIS OPERATING CONDITIONS.
- 13. ANY EXISTING WALL, FLOOR, OR CEILING SURFACE THAT IS DISTURBED DURING THE COURSE OF THE HVAC WORK SHALL BE REPAIRED TO MATCH NEW AND/OR EXISTING CONDITIONS.
- 14. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT, DUCTWORK PIPING, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT.
- 16. ACCESS PANELS IN NON-ACCESSIBLE CEILINGS AND IN WALLS TO ALLOW ADEQUATE ROOM FOR MAINTENANCE OF EQUIPMENT AND BALANCING OF SYSTEMS SHALL BE INSTALLED UNDER THE ARCHITECTURAL DIVISION. ACCESS PANELS IN CEILING AND WALLS SHALL BE PROVIDED WHERE SHOWN ON THE DRAWINGS OR WHERE NECESSARY TO ACCESS DAMPERS, VALVES, ETC. COORDINATE EXACT LOCATION OF ALL ACCESS PANELS WITH THE ARCHITECT DURING THE SHOP DRAWING PROCESS.
- I8. ALL MATERIALS EXPOSED WITHIN HVAC PLENUMS SHALL HAVE A FLAME-SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED RATING INDEX OF NOT MORE THAN 50 UNLESS OTHERWISE ALLOWED BY

TESTING, ADJUSTING, AND BALANCING:

OPENING.

AFTER CONSTRUCTION, THE ENTIRE HVAC SYSTEM SHALL BE TESTED, ADJUSTED, AND BALANCED TO DELIVER THE AIR QUANTITIES SHOWN ON THE DRAWINGS. SUBMIT THE CERTIFIED (AABC OR NEBB) TEST AND BALANCE REPORT TO THE ARCHITECT FOR APPROVAL.

MECHANICAL ELECTRICAL COORDINATION:

1 PROVIDE ALL SYSTEM CONTROLS AND ASSOCIATED CONTROL AND INTERLOCK WIRING FOR COMPLETE AND OPERABLE SYSTEMS. 120 VOLT AND HIGHER WIRING SHALL BE MC CABLE OR IN CONDUIT IN ACCORDANCE WITH LOCAL CODES AND THE MATERIALS AND INSTALLATION REQUIREMENTS OF DIVISION 26 - ELECTRICAL.

ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS-METAL AND FLEXIBLE, LATEST

- INTERFACE WITH EXISTING CONTROLS AS REQUIRED . SUPPLY, RETURN AND O.A. DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEETMETAL IN
- a. SNAP-LOCK LONGITUDINAL SEAMS ARE NOT ALLOWED UNLESS SECURED WITH SHEET METAL
- FASTENING SCREWS AS RECOMMENDED BY SMACNA. 2. ALL JOINTS AND SEAMS IN ALL SHEETMETAL DUCTWORK SHALL BE SEALED WITH DUCT SEALER.
- a. SEAL, INSPECT AND TEST SHEETMETAL DUCTWORK PRIOR TO INSULATING OR CONCEALING. SEAL ALL DUCTWORK AND PLENUMS TO MEET SMACNA SEAL CLASS A.
- b. SEAL ALL TRANSVERSE JOINT, LONGITUDINAL SEAMS, AND DUCT WALL PENETRATIONS.
- 3. TAPES. SEALANTS AND MASTICS USED TO SEAL METALLIC AND FLEXIBLE AIR DUCTS AND FLEXIBLE AIR CONNECTORS SHALL COMPLY WITH UL 181B AND SHALL BE MARKED "181 B-FX" FOR PRESSURE-SENSITIVE TAPE OR "181 B-M" FOR MASTIC/SEALANT.
- c. PRESSURE-SENSITIVE TAPE SHALL NOT BE USED AS THE PRIMARY SEALANT, UNLESS IT HAS BEEN CERTIFIED TO COMPLY WITH UL-181A OR UL-181B BY AN INDEPENDENT TESTING LABORATORY AND THE TAPE IS USED IN ACCORDANCE WITH THAT CERTIFICATION.
- d. ALL CONNECTIONS SHALL BE SEALED, INCLUDING BUT NOT LIMITED TO SPIN-IN FITTINGS, TAPS, OTHER BRANCH CONNECTIONS, ACCESS DOORS, AND DUCT CONNECTIONS TO EQUIPMENT.
- 4. MECHANICAL FASTENERS FOR USE WITH FLEXIBLE NONMETALLIC AIR DUCTS SHALL COMPLY WITH UL 181B
- e. SEALING THAT WOULD VOID PRODUCT LISTINGS IS NOT REQUIRED.SPIRAL LOCK SEAMS NEED NOT BE SEALED.
- 6. ALL OPEN-ENDED DUCTS AND FAN OUTLETS SHALL HAVE ½" X ½" HARDWARE CLOTH AFFIXED TO THE
- 7. ALL DUCTWORK SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. DUCT SUPPORTS AND ATTACHMENT TO STRUCTURE SHALL BE PER SMACNA
- 9. FLEXIBLE DUCTWORK SHALL BE THERMAFLEX M-KE (U.L. 181 LISTED, CLASS 1 FLEXIBLE AIR DUCT) OR EQUAL. PROVIDE MINIMUM INSULATION VALUE OF R-6; R-8 WHEN LOCATED OUTSIDE THE THERMAL ENVELOPE OF THE BUILDING, OR GREATER WHERE REQUIRED BY APPLICABLE ENERGY CODE. AIR CONNECTORS ARE NOT ACCEPTABLE. FLEX DUCT DIAMETER SHALL MATCH DEVICE NECK DIAMETER. PROVIDE ROUND GALVANIZED STEEL DUCT RUNOUTS TO MAINTAIN A MAXIMUM FLEXIBLE DUCT LENGTH OF 8' 0" (EXCEPT IN DWELLING UNITS, LENGTH SHALL BE AS INDICATED). LEASING, AMENITY AND COMMON AREAS IN MULTIFAMILY PROJECTS SHALL BE LIMITED TO 8'-0" MAXIMUM FLEXIBLE DUCT LENGTH. FLEXIBLE DUCTWORK SHALL BE INSTALLED AS STRAIGHT AS POSSIBLE AND SHALL BE ROUTED AND SUPPORTED WITHOUT FORMING CRIMPS OR OTHER AIR FLOW RESTRICTIONS. PROVIDE SQUARE TO ROUND ADAPTERS OR BOOTS TO CONNECT TO AIR DEVICE NECK WHEN REQUIRED.
- 10. ROUND AND FLEXIBLE SUPPLY AIR DUCTWORK SHALL BE CONNECTED TO MAIN DUCTS WITH A CONICAL TYPE SPIN IN FITTING WITH MANUAL VOLUME DAMPER (EXCEPT WHERE INSTALLED ABOVE INACCESSIBLE CEILINGS, THE DAMPER SHALL BE OMITTED AND PROVIDED IN THE AIR DEVICE NECK).
- 11. TAPE, BED AND SEAL AIR TIGHT ALL PENETRATIONS FROM RETURN AIR PLENUMS TO NON-RETURN AIR PLENUMS THAT ARE REQUIRED DUE TO DUCTWORK, PIPING OR OTHER ITEMS.
- 12. DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE INSIDE CLEAR DIMENSIONS.
- 14. INSTALL FIRE DAMPERS IN ALL RATED WALLS AND FLOOR PENETRATIONS. FIRE DAMPERS SHALL BE THE DYNAMIC TYPE WITH BLADES OUT OF THE AIRSTREAM WHERE POSSIBLE. ALL FIRE DAMPERS SHALL COMPLY WITH THE REQUIREMENTS OF U.L. 555.
- 15. INSTALL SMOKE DAMPERS IN ALL DUCT PENETRATIONS THROUGH SMOKE RATED WALLS. WHERE DUCTS PENETRATE WALLS THAT CARRY BOTH FIRE AND SMOKE RATINGS OR ARCHITECTURAL SHAFTS, THE DAMPERS INSTALLED SHALL BE COMBINATION FIRE AND SMOKE DAMPERS. ALL SMOKE DAMPERS SHALL COMPLY WITH THE REQUIREMENTS OF U.L. 555S. ALL COMBINATION FIRE AND SMOKE DAMPERS SHALL COMPLY WITH THE REQUIREMENTS OF U.L. 555 AND U.L. 555S.

- AND SMOKE DAMPER LOCATION.
- 19. LOCATIONS OF GRILLES, REGISTERS, AND DIFFUSERS SHOWN ON THE DRAWINGS ARE APPROXIMATE. COORDINATE EXACT LOCATIONS WITH LIGHTS, CEILING GRID, ETC. AND ARCHITECTURAL REFLECTED CEILING
- 20. WHERE BALANCING DAMPERS CANNOT BE ACCESSED FROM BELOW THE CEILING, PROVIDE A REMOTE OPERATED DAMPER; YOUNG REGULATOR OR EQUAL.
- 22. FLEXIBLE DUCT CONNECTORS SHALL BE USED TO CONNECT DUCTWORK AND PLENUMS TO FAN-ROTATING EQUIPMENT; DURODYNE EXCELON OR APPROVED EQUAL. FLEXIBLE CONNECTORS EXPOSED TO THE WEATHER SHALL BE UV AND OZONE RESISTANT. FABRICS, COATING AND ADHESIVES SHALL BE TESTED IN ACCORDANCE WITH UL 701 AND HAVE A FLAME SPREAD/ SMOKE DEVELOPED RATING OF 25/50. FLEXIBLE DUCT CONNECTORS SHALL ALSO BE PROVIDED WHERE DUCTWORK CROSSES BUILDING EXPANSION JOINTS.

1. DUCT INSULATION:

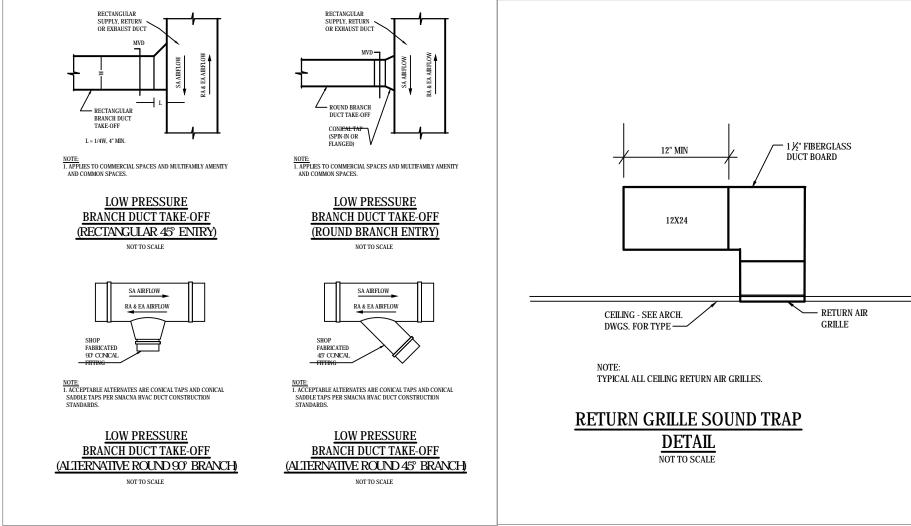
- a. DUCT WRAP SHALL BE UL LISTED FIBERGLASS BLANKET INSULATION WITH FOIL VAPOR BARRIER, JOHNS MANVILLE MICROLITE EQ FSK OR APPROVED EQUAL. PUNCTURES AND TEARS IN THE FOIL JACKET SHALL BE PATCHED WITH FOIL TAPE TO MAINTAIN THE INTEGRITY OF THE VAPOR BARRIER. INSULATE SHEET METAL DUCTWORK IN THE THICKNESSES AND DENSITIES AS LISTED BELOW:
 - i. SHEET METAL SUPPLY AND OUTSIDE AIR DUCTWORK: 2" THICK, 1 LB/FT3 DENSITY, R-6 MINIMUM INSTALLED.
- b. INDOOR EXPOSED RECTANGULAR SHEET METAL SUPPLY AND RETURN AIR DUCTWORK SHALL BE LINED WITH 1" THICK DUCT LINER (MINIMUM R-4) JOHNS MANVILLE LINACOUSTIC RC OR EQUAL..

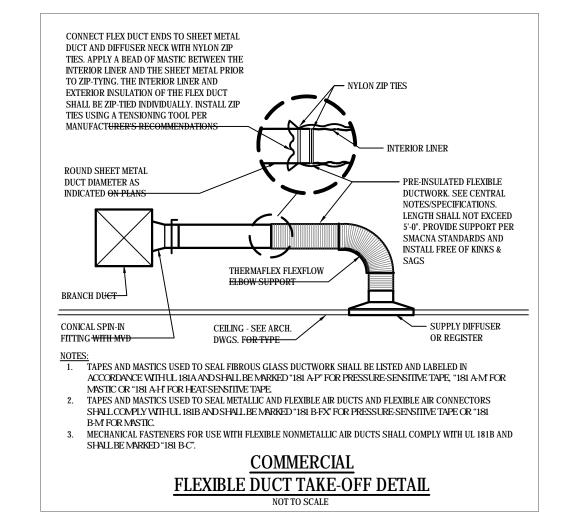
HVAC GENERAL NOTES - DEMOLITION, ADDITIONS & RENOVATIONS

- FURNISH ALL LABOR. EQUIPMENT. MATERIALS AND INCIDENTALS REQUIRED TO REMOVE AND/OR MAKE-SAFE THE EXISTING EQUIPMENT PIPE. FITTINGS. VALVES AND APPURTENANCES INDICATED ON THE DRAWINGS. AND NOT REQUIRED FOR THE PROPER OPERATION OF THE NEW HVAC SYSTEM. REMOVAL WILL BE CONSISTENT WITH THE FINAL CONFIGURATION OF THE NEW SYSTEMS AS INDICATED AND AS REQUIRED BY THE OWNER/ARCHITECT. THE EQUIPMENT AND PIPING IDENTIFIED SHALL BE REMOVED FROM THEIR PRESENT LOCATIONS AND SHALL BE REMOVED FROM THE SITE OR STORED AS SPECIFIED HEREINAFTER.
- PERFORM ALL WORK REQUIRED TO TIE-IN THE NEW WORK TO THE EXISTING SYSTEMS AND TO ADAPT THE EXISTING SYSTEMS TO THE NEW WORK. WORK SHOWN IS INTENDED TO SHOW THE FINAL HVAC SYSTEM CONFIGURATION. BLANK OFF ALL UNUSED OPENINGS IN EXISTING THE DUCTWORK WITH SHEET METAL, SCREWED IN PLACE AND TAPPED.
- BEFORE REMOVAL OF ANY ELECTRICALLY OPERATED EQUIPMENT, COORDINATE CAREFULLY TO ASSURE THAT POWER AND CONTROL WIRING HAS BEEN DISCONNECTED AND/OR LOCKED OUT, TAGGED OUT AND MADE-SAFE.
- IT SHOULD BE NOTED THAT ALL HVAC SYSTEMS ARE TO REMAIN. IF ANY OF THESE SYSTEMS ARE DAMAGED DURING THE PROGRESS OF CONSTRUCTION OR DEMOLITION, THEY SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ARCHITECT/OWNER WITHOUT INCURRING ADDITIONS TO THE CONTRACT.
- PRIOR TO THE ORDERING OR PURCHASING OF ANY EQUIPMENT OR MATERIALS, OR THE LAYOUT OR INSTALLATION OF ANY NEW WORK, THE CONTRACTOR SHALL EXAMINE THE PREMISES AND VERIFY ANY AND ALL OF THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGED TO OPERATE, OR THAT WILL IN ANY MANNER AFFECT THE WORK UNDER THIS CONTRACT
- UNLESS SPECIFICALLY NOTED TO BE REMOVED, EXISTING EQUIPMENT, PIPING, DUCTWORK, ETC. IS TO REMAIN. ANY EQUIPMENT, PIPING OR APPURTENANCES REMOVED WHICH ARE NECESSARY FOR THE OPERATION OF THE EXISTING SYSTEM SHALL BE REPLACED TO THE SATISFACTION OF THE ARCHITECT WITHOUT INCURRING ADDITIONS TO THE CONTRACT.
- WHEN ENCOUNTERED IN THE COURSE OF THE WORK, PROTECT, BRACE, AND SUPPORT EXISTING, ACTIVE SERVICES AS NECESSARY FOR PROPER EXECUTION OF THE WORK. RELOCATE EXISTING ACTIVE SERVICES ENCOUNTERED AS NECESSARY OR AS SHOWN ON THE CONTRACT DOCUMENTS. DO NOT PREVENT OR DISTURB OPERATION OF ACTIVE SERVICES THAT ARE TO REMAIN. NOTIFY ALL UTILITY COMPANIES OR MUNICIPAL AGENCIES HAVING JURISDICTION PRIOR TO MODIFYING SERVICES.
- ALL DUCTWORK, PIPE, FIITINGS, TUBING, INSULATION, HANGERS AND SUPPORTS, ETC. THAT ARE DEMOLISHED OR DAMAGED SHALL BECOME THE PROPERTY OF THE CONTRACTOR UPON REMOVAL. THE MATERIALS SHALL BE REMOVED IMMEDIATELY FROM THE SITE AND SHALL NOT BE REUSED.
- ANY EXISTING PROPERTY DAMAGED BY THE CONTRACTOR WHILE PERFORMING ANY WORK SHALL BE REPLACED WITH NEW MATERIALS TO MATCH EXISTING CONDITIONS; HOWEVER, ANY EXISTING INSULATION THAT IS DAMAGED SHALL BE REPLACED AS SPECIFIED FOR NEW INSULATION.
- WHERE EXISTING PIPING AND DUCTWORK IS REMOVED TO MAKE READY FOR CONNECTION TO NEW PIPING OR DUCTWORK. THE OPENING SHALL BE TEMPORARILY COVERED AND SEALED OR PLUGGED TO PREVENT DUST OR DEBRIS FROM ENTERING THE SYSTEM.

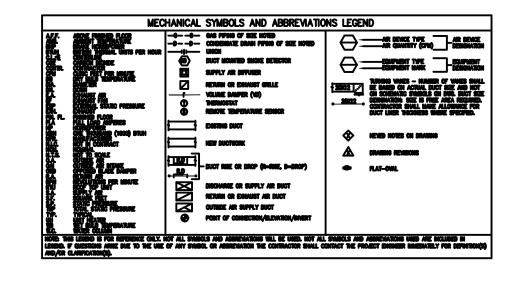
WHEREVER PIPING IS REMOVED FOR DISPOSITION, ADJACENT PIPE AND HEADERS THAT ARE TO REMAIN IN SERVICE SHALL BE BLANKED

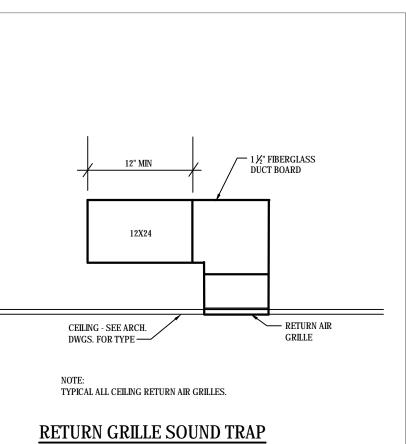
- OFF OR PLUGGED AND THEN ANCHORED IN AN APPROVED MANNER. PIPING PASSING THROUGH FLOORS THAT IS TO BE REMOVED SHALL BE CUT OR GROUND FLUSH WITH THE FLOOR AND FILLED WITH GROUT FLUSH WITH ADJACENT FLOOR.
- EQUIPMENT TO BE RETAINED BY THE OWNER SHALL BE CAREFULLY REMOVED FROM THE PRESENT LOCATION, CLEANED, PACKAGED AND IMMEDIATELY STORED AT A PLACE ON-SITE AS DESIGNATED BY THE OWNER.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS AGAINST DAMAGING THE MATERIAL AND EQUIPMENT TO BE STORED. THE CONTRACTOR SHALL REPAIR ALL DAMAGE RESULTING FROM HIS OPERATIONS, AS DIRECTED BY AND TO THE SATISFACTION OF THE ARCHITECT. ITEMIZED LISTS OF MATERIALS REMOVED AND STORED SHALL BE RECORDED AND SUBMITTED TO THE OWNER AT THE COMPLETION OF CONSTRUCTION. THE LIST SHALL INCLUDE A PHYSICAL DESCRIPTION OF ALL ITEMS, PHOTOGRAPHS, HOW THEY ARE PACKAGED AND WHERE THEY ARE STORED.
- WHERE WORK UNDER THIS PROJECT REQUIRES EXTENSION, RELOCATION, RECONNECTION OR MODIFICATIONS TO EXISTING EQUIPMENT OR SYSTEMS, THE EXISTING EQUIPMENT OR SYSTEMS SHALL BE RESTORED TO THEIR ORIGINAL AND OPERATING CONDITION.





	GRILLES, REGISTERS, & DIFFUSERS SCHEDULE							
TYPE	SERVICE MANFR. AND VOLUME DAMPER FRAME FINISH MATERIAL DESCRIPTION		DESCRIPTION	REMARKS				
А	CEILING DIFFUSER	TITUS TMSA	-	LAY-IN	WHITE ENAMEL	STEEL	LOUVERED CONE, ADJUSTABLE DISCHARGE, DAMPER ADJUSTABLE THRU FACE, ROUND NECK. 24X24 MODULE	
В	RETURN GRILLE	TITUS C	-	LAY-IN	WHITE ENAMEL	AUL	EGGCRATE 1/2X1/2X1/2,	
С	CEILING DIFFUSER	THERMA- FUSER-TF	_	LAY-IN	WHITE ENAMEL	STEEL	STAND ALONG VAV DIFFUSER ROUND NECK. 24X24 MODULE	





404.522.3800 404.849.141

CHARLES E. BYTHWOOD, AIA

Principal

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No.	Description	Date

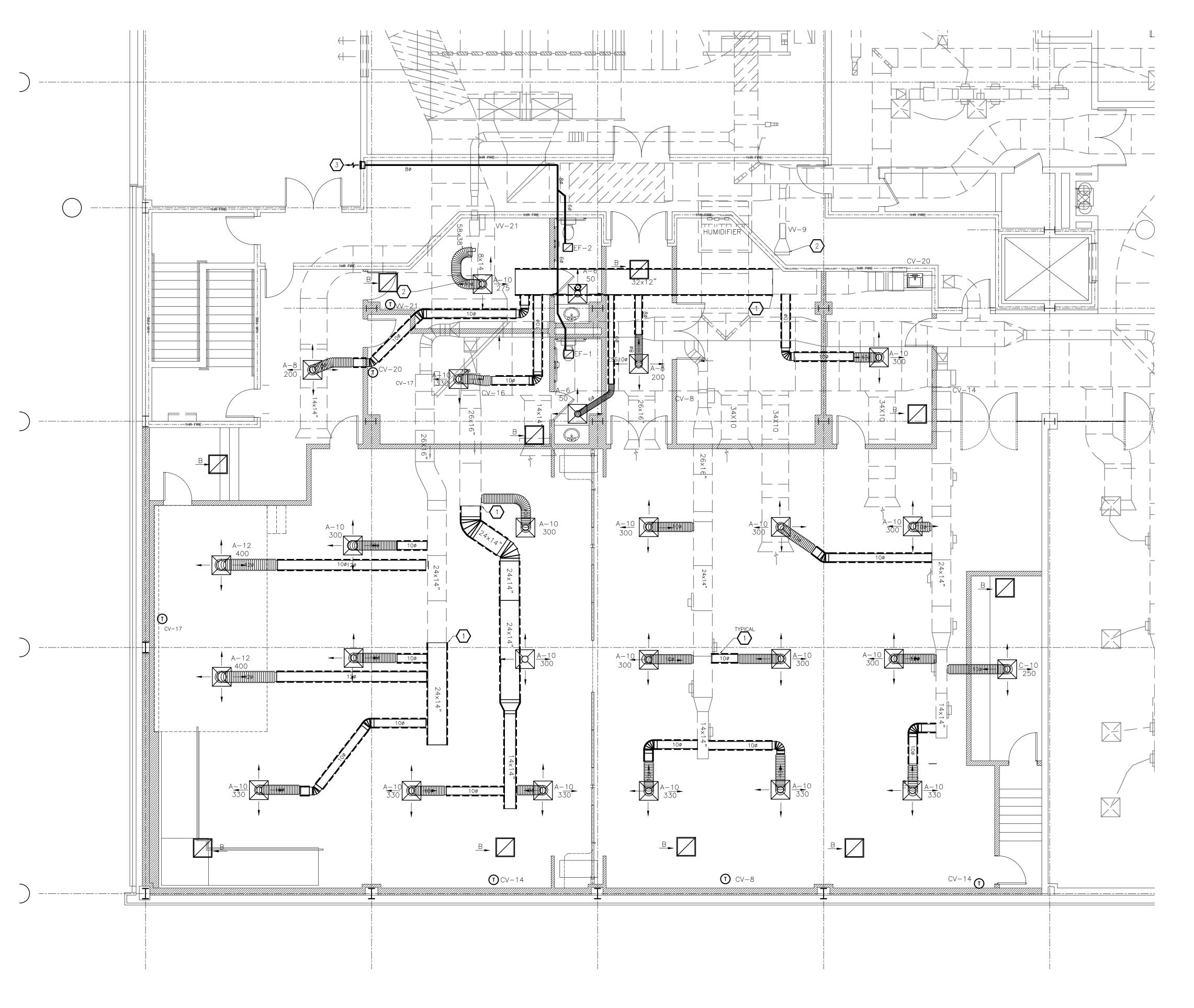
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KEYED NOTES:

- (1) CONNECT NEW DUCTWORK TO EXISTING DUCTWORK
- $\langle 2 \rangle$ remove existing down stream ductwork
- ROUTE EXHAUST DUCT TO WALL CAP.

WALL CAP SIZE GUIDE LINE:

EXHAUST AIR, CFM
UP TO 150

COO WALL-CAP COOK-WCG-2: 8X6

GENERAL NOTES:

1. EXISTING THERMOSTAT ARE LOCATED AT TERMINAL UNIT, RELOCATED AS INDICATED. 3590 Covington Hwy. Decatur, GA 30032

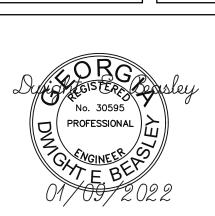
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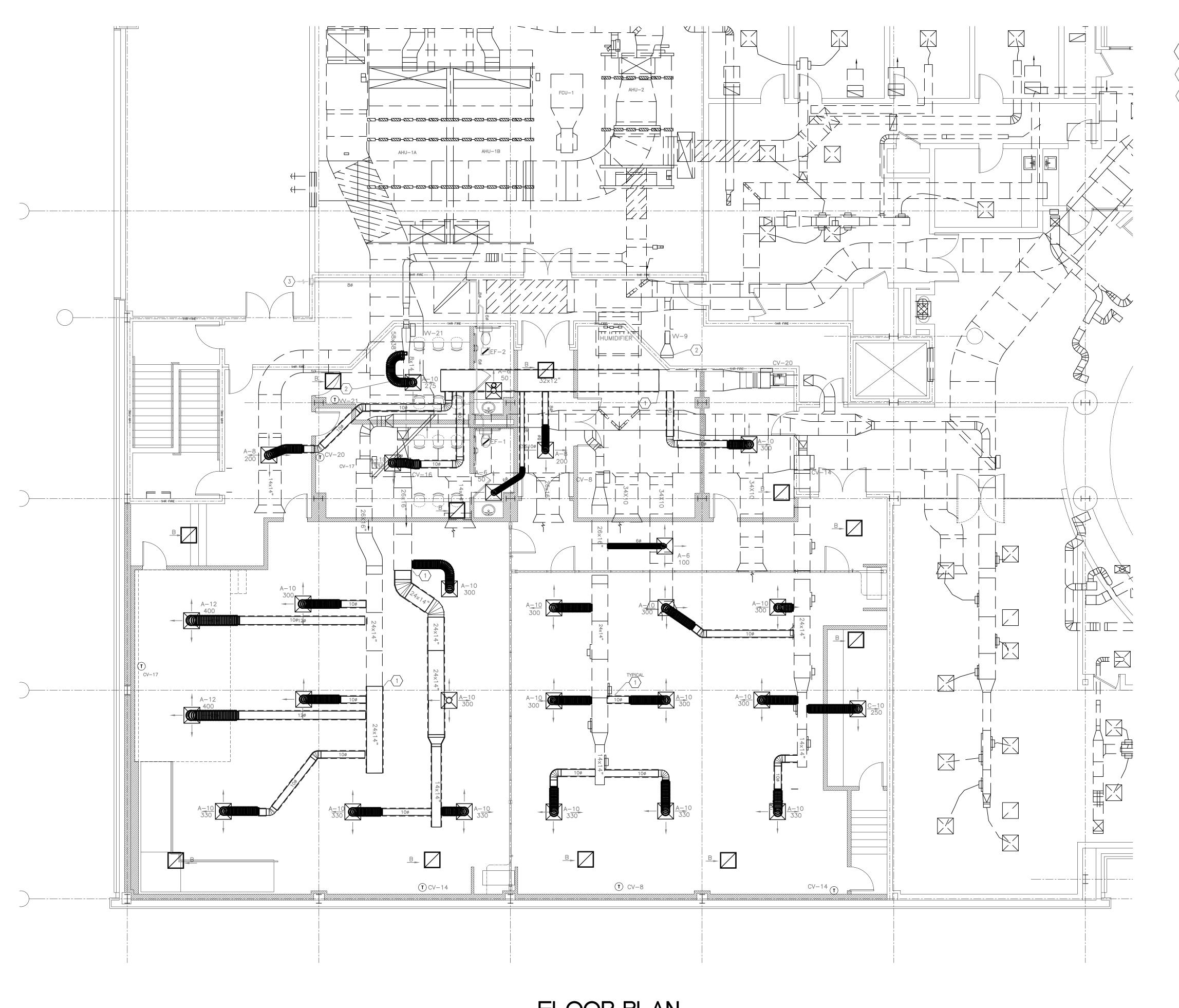
01/10/2022 BAR Drawn By

Checked By

M-2

Scale As indicated

FLOOR PLAN



KEYED NOTES:

- CONNECT NEW DUCTWORK TO EXISTING DUCTWORK
- REMOVE EXISTING DOWN STREAM DUCTWORK

ROUTE EXHAUST DUCT TO WALL CAP.

WALL CAP SIZE GUIDE LINE:

EXHAUST AIR. CFM
UP TO 150

COOK-WCG-

GENERAL NOTES:

1. EXISTING THERMOSTAT ARE LOCATED AT TERMINAL UNIT, RELOCATED AS INDICATED.

3590 Covington Hwy. Decatur, GA 30032 o 404.522.3800 f 404.522.3832 bythwood@aol.com

CHARLES E. BYTHWOOD, AIA

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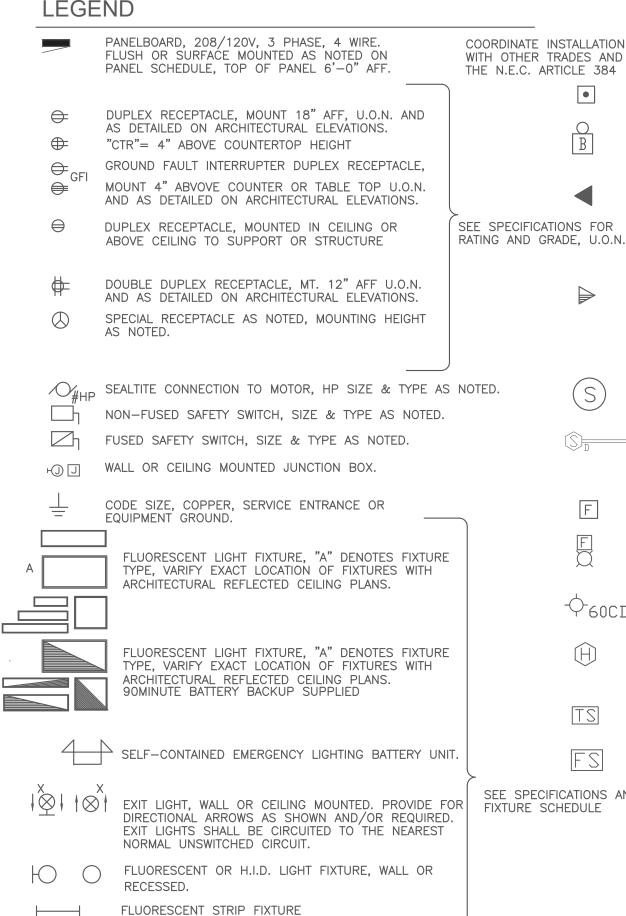
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M-2A

FLOOR PLAN



PHOTOELECTRIC CONTROL, MOUNT ON RGS CONDUIT 6"

SINGLE POLE TOGGLE SWITCH, MT. 48" AFF U.O.N.

SINGLE POLE DIMMER SWITCH, MT. 48" AFF U.O.N.

S'MC SWITCH WITH OCCUPANCY SENSOR, MT. 48" AFF U.O.N.

S'3 THREE-WAY TOGGLE SWITCH, MT. 48" AFF U.O.N.

S'4 FOUR-WAY TOGGLE SWITCH, MT. 48" AFF U.O.N.

CEILING MOUNTED OCCUPANCY SENSOR

ABOVE ROOF, FACE NORTH COORDINATE ROOF PENETRATION

PUSHBUTTON/CONTROLLER, WALLMOUNTED DOOR CHIME, COORDINATE REQUIREMENTS WITH OWNER /ARCH LOCATION WITH OWNER BEFORE ROUGH—IN.

> TELEPHONE OUTLET, 4"SQ. BOX W/SINGLE GANG RISE MOUNT 18" AFF, VARIFY EXACT LOCATION WITH OWNER. STUB 3/4" BUSHED CONDUIT INTO CEILING SPACE. - DENOTES WALL PHONE MOUNT 52" AFF "c"- DENOTES COUNTER MOUNTED, MT. 6" ABOVE COUNTER AND/OR AS DETAILED ON ARCHITECTURAL ELEVATIONS. DATA/TEL OUTLET, 4" SQ. BOX WITH SINGLE GANG RISE. MOUNT

ON ARCHITECTURAL ELEVATIONS. COORDINATE COVER-PLATE WITH OWNER.

FURNISHED & WIRED BY ELECTRICAL CONTRACTOR,

FIRE ALARM HORN/STROBE LIGHT COMBINATION, MT.

-Q-GOCD STROBE LIGHT, CANDELA RATING IN CD, MT 80" AFF, UON

AND INSTALLED BY MECHANICAL CONTRACTOR.

FIRE ALARM PULL STATION, MT. 48" AFF U.O.N.

CEILING MOUNTED SMOKE DETECTOR.

ON THE DRAWINGS OR REQUIRED BY THE NEC. DUCT SMOKE DETECTOR, SPECIFIED IN DIVISION 16

PER CODE. CONDUIT SHALL BE ELECTRICAL METALLIC TUBING (EMT) EXCEPT FOR THE FOLLOWING CONDITIONS:

1. USE FLEXIBLE CONDUIT FOR CONNECTIONS TO MOTORS, FLUSH MOUNTED LIGHTING FIXTURES, AND ALL VIBRATING EQUIPMENT.

A. LENGTH SHALL NOT EXCEED 18", EXCEPT LENGTHS UP TO 6'-0" MAY BE USED FOR LIGHTING FIXTURES. B. MAINTAIN GROUND CONTINUITY THROUGH FLEXIBLE CONDUIT WITH A GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR. 2. CONDUITS SUBJECT TO PHYSICAL ABUSE SHALL BE GRS FOR

HEIGHTS LESS THAN 10' ABOVE FINISHED FLOOR.

HEAT DETECTOR, DUEL ELEMENT RATE-OF-RISE AND

TAMPERSWITCH, LOCATE AT FIRE SERVICE VAULT AND AT SPRINKLER RISER WITHIN BUILDING.

FLOWSWITCH, LOCATE SPRINKLER RISER WITHIN BUILDING.

SEE SPECIFICATIONS AND **ELECTRICAL NOTES:**

FIXED TEMPERATURE.

80" AFF, U.O.N.

1. INSTALL ELECTRICAL SYSTEMS IN ACCORDANCE WITH NATIONAL ELECTRICAL, BUILDING AND OTHER APPLICABLE CODES. 2. COORDINATE TEL/DATA/LV INSTALLATION W/VENDOR. UNLESS NOTED OTHERWISE, PROVIDE CONDUIT STUBBED ABOVE CEILING, BACKBOXES, PULLSTRINGS, BACKBOARDS, GROUNDING TERMINATION BAR AND CONDUIT TO DEMARC COORDINATED W/TELECOM PROVIDER.

3. REFER TO LIGHTING PLAN FOR SWITCH LOCATIONS AND CONNECTIONS, IF NOT SHOWN REQUEST INFORMATION FROM DESIGN ENGINEER. 4. COORDINATE WORK WITH OTHER TRADES TO MINIMIZE INTERFERENCES. WHERE CONFLICTS EXIST, REQUEST

INFORMATION FROM DESIGN ENGINEER. 5. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CONNECTION OF ALL ELECTRICAL EQUIPMENT, WHETHER FURNISHED IN HIS CONTRACT, BY OWNER, OR OTHER. COORDINATE WITH ALL

PARTIES INVOLVED. 6. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, PRIOR TO BID. WHERE CONFLICTS WITH PLANS EXIST, REQUEST INSTRUCTIONS FROM DESIGN ENGINEER.

16010 - BASIC ELECTRICAL REQUIREMENTS

1.1 QUALITY ASSURANCE

A. ALL ELECTRICAL COMPONENTS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE FOLLOWING CODES:

1. THE NATIONAL ELECTRICAL CODE (NPFA-70), 2020 EDITION. 2. THE INTERNATIONAL BUILDING CODE, 2018 EDITION. THE INTERNATIONAL ENERGY CODE, 2015 EDITION. . MUNICIPAL ORDINANCES GOVERNING ELECTRICAL WORK.

B. ALL MATERIALS SHALL BE NEW AND SHALL CONFORM TO STANDARDS WHERE SUCH HAVE BEEN ESTABLISHED FOR THE PARTICULAR MATERIAL. ALL UL LISTED EQUIPMENT SHALL BEAR THE UL LABEL. MATERIALS OF THE SAME TYPE SHALL BE THE PRODUCT OF THE SAME MANUFACTURER. WORKMANSHIP AND NEW MATERIALS SHALL BE FULLY GUARANTEED FOR A PERIOD OF ONE YEAR AFTER DATE OF ACCEPTANCE.

1.2 PERMITS

A. OBTAIN ALL PERMITS AND INSPECTIONS REQUIRED FOR THE WORK INVOLVED AND PAY ALL CHARGES INCIDENT THERETO. DELIVER TO THE OWNER ALL CERTIFICATES OF INSPECTION.

1.3 DRAWINGS

A. THE DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF ELECTRICAL EQUIPMENT. COORDINATE INSTALLATION OF EQUIPMENT WITH ALL OTHER TRADES. DO NOT SCALE DRAWINGS FOR CONNECTION LOCATIONS.

1.4 MECHANICAL SYSTEM INTERFACE

A. CONNECT ALL EQUIPMENT REQUIRING ELECTRICAL SERVICE. ALL CONTROL WIRING FOR PLUMBING AND HVAC EQUIPMENT SHALL BE INSTALLED BY MECHANICAL CONTRACTOR. POWER WIRING TO ALL MOTORS AND MOTOR CONTROLLERS AND BETWEEN MOTORS AND CONTROLLERS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.

1.6 CLEANING AND PAINTING

A. REMOVE ALL OIL, DIRT, GREASE AND FOREIGN MATERIALS FROM ALL RACEWAYS, FITTINGS, BOXES, PANELBOARD TRIMS AND CABINETS TO PROVIDE A CLEAN SURFACE FOR PAINTING. TOUCH-UP SCRATCHED OR MARRED SURFACES ON ALL EQUIPMENT.

1.8 SITE INVESTIGATION

A. PRIOR TO SUBMITTING BIDS FOR THE PROJECT, VISIT THE SITE OF THE WORK TO BECOME AWARE OF EXISTING CONDITIONS WHICH MAY EFFECT THE COST OF THE PROJECT. WHERE WORK REQUIRES EXTENSION, RELOCATION, RECONNECTIONS OR MODIFICATIONS TO EXISTING SYSTEMS, THE EXISTING EQUIPMENT OR SYSTEMS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION, WITH THE EXCEPTION OF THE WORK UNDER THIS CONTRACT, BEFORE THE COMPLETION OF THIS PROJECT.

B. VERIFY ALL SECONDARY SERVICE VOLTAGES.

1.9 RECORD DRAWINGS

A. UPON COMPLETION OF PROJECT, PROVIDE FULL SIZE PRINTS INDICATING ALL MODIFICATIONS TO THE CONTRACT DOCUMENTS.

END OF SECTION

16100 - BASIC MATERIALS

2.1 RACEWAYS

A. THE FOLLOWING SPECIFICATIONS AND STANDARDS ARE INCORPORATED INTO AND BECOME A PART OF THIS SPECIFICATION:

1. UNDERWRITER'S LABORATORY, INC. PUBLICATIONS 1, 6, 467, 651, 797, 1242. 2. AMERICAN NATIONAL STANDARDS INSTITUTE C-80.1, C-80.3.

B. RACEWAY IS REQUIRED FOR ALL WIRING, UNLESS SPECIFICALLY INDICATED OR SPECIFIED OTHERWISE. THE MINIMUM SIZE OF CONDUIT SHALL BE 1/2" FOR LIGHTING AND 3/4" FOR POWER BRANCH CIRCUITS, BUT SHALL NOT BE LESS THAN SIZE INDICATED

METAL CLAD CABLE, TYPE MC CAN BE USED WHERE ALLOWED

D. N/A

E. ALL CONDUIT SUPPORT PARTS AND HARDWARE SHALL BE HOT-DIPPED GALVANIZED. CONDUIT STRAPS SHALL BE SINGLE HOLE CAST METAL TYPE OR TWO HOLE GALVANIZED METAL TYPE. CONDUIT F. PROTECT DEVICES DURING PAINTING. SUPPORT CHANNELS SHALL BE 1-1/2" X 1-1/2" - 14 GAUGE CHANNEL. WITH 1/4" THREADED STEEL RODS USED FOR SUSPENSION. G. GROUP ADJACENT SWITCHES UNDER SINGLE, MULTI-GANG WIRE OR CHAIN IS NOT ACCEPTABLE FOR RODS USED FOR SUSPENSION. WIRE OR CHAIN IS NOT ACCEPTABLE FOR CONDUIT HANGERS. INDIVIDUAL CONDUIT HANGERS SHALL BE GALVANIZED SPRING STEEL SPECIFICALLY DESIGNED FOR THE PURPOSE. INDIVIDUAL CONDUIT STRAPS ON METAL STUDS SHALL BE SPRING STEEL. TIE WRAPS ARE NOT ACCEPTABLE.

F. FASTEN CONDUIT SUPPORT DEVICES TO STRUCTURE WITH TOGGLE J. MOUNTING HEIGHTS INDICATED ON THE DRAWINGS ARE TO THE BOLTS ON HOLLOW MASONRY, EXPANSION ANCHORS ON SOLID CENTER OF THE DEVICE. MASONRY OR CONCRETE, AND MACHINE BOLTS OR CLAMPS ON STEEL NAILS ARE NOT ACCEPTABLE.

G. CONDUIT SHALL BE RUN PARALLEL OR AT RIGHT ANGLES TO WALLS, CEILINGS AND STRUCTURAL MEMBERS. SUPPORT BRANCH CIRCUIT CONDUITS AT INTERVALS NOT EXCEEDING 10 FEET, AND WITHIN 3 FEET OF EACH BOX OR CHANGE OF DIRECTION. PROVIDE AN EXPANSION AND DEFLECTION COUPLING WHERE CONDUITS CROSS A BUILDING EXPANSION JOINT. SEAL AROUND ALL PENETRATIONS OF WALLS, FLOORS AND CEILINGS WITH DOW CORNING SILICONE RTV FOAM OR 3M FIRE BARRIER COMPOUNDS. MAINTAIN RACEWAY CLEARANCES OF 3" CROSSING HOT PIPING AND 12" PARALLELING. SEE ELECTRICAL DETAILS FOR ADDITIONAL

H. MULTI-OUTLET ASSEMBLIES SHALL BE A TWO-PIECE RACEWAY OR NYLON TIE STRAPS. CONSTRUCTED OF STEEL, GRAY FINISH, .040" WALL THICKNESS. REFER TO DESCRIPTION IN ELECTRICAL LEGEND.

2.2 WIRES AND CABLES

1. UNDERWRITER'S LABORATORIES, INC. PUBLICATIONS 44, 83, 486, 493, 2. INSULATED CABLE ENGINEERS ASSOCIATION STANDARDS

A. THE FOLLOWING SPECIFICATIONS AND STANDARDS ARE

S-61-402, S-66-524. 3. NATIONAL ELECTRICAL MANUFACTURER'S STANDARDS WC-5,

CONDUCTORS SHALL BE ELECTRICALLY CONTINUOUS AND FREE FROM SHORT CIRCUITS OR GROUNDS. ALL OPEN. SHORTED. OR GROUNDED CONDUCTORS AND ANY WITH DAMAGED INSULATION SHALL BE REMOVED AND REPLACED WITH NEW MATERIAL FREE FROM DEFECTS

C. CONDUCTOR SIZE SHALL BE MINIMUM OF NO. 12 AWG, UNLESS A LARGER SIZE IS REQUIRED BY THE DRAWINGS OR THE NEC. INSULATION VOLTAGE LEVEL RATING SHALL BE 600 VOLTS. ALL WIRE AND CABLE SHALL BEAR THE UL LABEL

D. CONDUCTORS NO. 10 AND SMALLER SHALL BE SOLID COPPER, 75 DEGREES C. TYPE THWN/THHN. CONDUCTORS SIZE 2.7 IDENTIFICATION #10 THROUGH #2 SHALL BE STRANDED COPPER, 75 DEGREES C. A. RELABEL MODIFIED PANELBOARD SCHEDULES WITH TYPE THWN/THHN; >= #1 SHALL BE XHHW-2. FIXTURE WIRE SHALL BE NO. 16 AWG SILICONE RUBBER INSULATED, STRANDED FIXTURE WIRE TYPE SFF-2 OR NO. 16 THERMOPLASTIC NYLON JACKETED STRANDED FIXTURE WIRE TYPE TFFN.

E. COLOR CODE ALL CONDUCTORS. NO. 10 AND SMALLER SHALL HAVE SOLID COLOR COMPOUND OR COATING. NO. 8 AND 4.1 PANELBOARDS LARGER SHALL HAVE SOLID COLOR COMPOUND OR COLORED PHASE TAPE; TAPE SHALL BE INSTALLED ON CONDUCTORS IN EVERY BOX, TERMINATION POINT, CABINET OR ENCLOSURE. CODING SHALL BE AS FOLLOWS

1. 208Y/120 VOLT THREE PHASE FOUR WIRE WYE SYSTEM: PHASE A-BLACK, PHASE B-RED, PHASE C-BLUE, NEUTRAL-WHITE 2. GROUNDING CONDUCTORS SHALL BE GREEN OR GREEN

F. MAINTAIN PHASE ROTATION ESTABLISHED PER NEC AT SERVICE EQUIPMENT THROUGHOUT ENTIRE PROJECT.

G. GROUP AND LACE WITH NYLON TIE STRAPS ALL CONDUCTORS WITHIN ENCLOSURES. MAKE SPLICES IN CONDUCTORS ONLY WITHIN JUNCTION BOXES. WIRING TROUGHS. OR OTHER NEC BOXES, SWITCHBOARDS, PANELBOARDS, SAFETY SWITCHES, OR MOTOR CONTROL ENCLOSURES. IDENTIFY EACH CONDUCTOR AS TO CIRCUIT CONNECTION IN ALL BOXES AND ENCLOSURES.

H. TERMINATE STRANDED CONDUCTORS NO. 10 AWG AND SMALLER WITH CRIMP-TYPE LUG OR STUD. CRIMP TERMINAL SHALL BE THE CONFIGURATION TYPE SUITABLE FOR THERMAL

. TORQUE EACH TERMINAL CONNECTION TO THE MANUFACTURER'S RECOMMENDED TORQUE VALUE. A CALIBRATED TORQUING TOOL SHALL BE USED TO INSURE PROPER TORQUE 4.5 GROUNDING SYSTEMS

2.3 WIRING DEVICES

PRODUCTS OF ARROW HART DIV.; COOPER INDUSTRIES; HUBBELL, INC.; LEVITON MFG. CO., INC.; WHICH COMPLY WITH THESE SPECIFICATIONS ARE ACCEPTABLE.

B. RECEPTACLES: COMPLY WITH UL STANDARD 498, "ELECTRICAL ATTACHMENT PLUGS AND RECEPTACLES", HEAVY DUTY

C. GROUND-FAULT CIRCUIT INTERRUPTER (GFCI) RECEPTACLES: UL STANDARD 943, "GROUND FAULT CIRCUIT INTERRUPTERS", END-OF-LINE TYPE, WITH INTEGRAL NEMA 5-20R DUPLEX RECEPTACLE. DESIGN UNITS FOR INSTALLATION IN A 2-3/4 INCH C. EACH RECEPTACLE AND SWITCH DEVICE SHALL BE FURNISHED DEEP BOX WITHOUT AN ADAPTER. PROVIDE GFCI RECEPTACLES WITH A GROUNDING SCREW CONNECTED TO THE METALLIC DEVICE WITHIN 6' OF WATER SOURCE.

D. SWITCHES: SINGLE POLE, 20 AMP 277 VOLT HUBBELL 1221, CONTROLLER, AND DISCONNECT SWITCH. WHITE IN COLOR.

E. PROVIDE BONDING JUMPER FROM DEVICE GROUND SCREW TO ELECTRICAL SYSTEM, I.E., WIREWAYS, EQUIPMENT ENCLOSURES SELF TAPPING SCREW SECURED TO METALLIC BOX. ALSO CONNECT TO GROUNDING CONDUCTOR. MOUNT DEVICES PLUMB AND SQUARE.

WALL PLATES. PROVIDE BARRIER BETWEEN 120 AND 277 VOLT

H. DEVICE PLATES SHALL BE WHITE IN COLOR.

I. INSTALL WALL SWITCHES ON THE STRIKE SIDE OF DOORS.

A. THE FOLLOWING SPECIFICATIONS AND STANDARDS ARE INCORPORATED INTO AND BECAME A PART OF THIS SPECIFICATION: 1. UNDERWRITER'S LABORATORIES, INC. PUBLICATIONS 50, 467. WHICH COMPLY WITH THESE SPECIFICATIONS ARE ACCEPTABLE.

B. BOXES SHALL BE HOT-DIPPED GALVANIZED STEEL SHEET METAL, UNLESS RUSTPROOF CAST METAL IS SPECIFIED OR REQUIRED BY THE NEC.

C. DIMENSIONS OF PULL AND JUNCTION BOXES SHALL NOT BE LESS THAN THOSE REQUIRED BY THE NEC FOR THE NUMBER, SIZE, AND POSITION OF CONDUCTORS ENTERING THE BOX. WOOD SUPPORTS WITHIN PULL BOXES ARE NOT ACCEPTABLE. PROVIDE A. ALL MATERIALS SHALL BE NEW, FREE FROM DEFECTS, AND BOX COVERS FOR ALL BOXES.

THE NEC. PROVIDE ACCESS PANELS IN ALL NON-ACCESSIBLE SHALL PRESERVE THE FIRE RATING OF THE CEILING. SPACES TO PERMIT ACCESS TO BOXES. PROVIDE AN OUTLET BOX FOR EACH LIGHTING FIXTURE OR AS INDICATED ON THE DRAWINGS AND FOR EACH DEVICE. BOX SIZES SHALL BE INCREASED FROM THOSE OUTLINED ABOVE IF REQUIRED BY ARTICLE 730 OF THE NEC.

SUPPORT EVERY BOX FROM STRUCTURE. SECURE TO HOLLOW MASONRY WITH TOGGLE BOLTS, METAL WITH SHEET METAL SCREWS, SOLID MASONRY OR CONCRETE WITH EXPANSION ANCHORS, METAL STUDS WITH SPRING STEEL CLAMPS AND STRUCTURE WITH THREADED STEEL RODS WHEN SUSPENDED. OUTLET BOXES FOR FLUSH MOUNTED DEVICES TO WITHIN 1/8" OF FINISHED WALLS; SPACERS OR SHIMS BETWEEN BOX AND DEVICE ARE NOT ACCEPTABLE. SUPPORT OUTLET BOXES OF SURFACE MOUNTED INCANDESCENT LIGHTING FIXTURES BY LIGHT WEIGHT CHANNEL SPANNING BETWEEN AND MOUNTED TO MAIN CEILING SUPPORT MEMBER, ATTACHED BY GALVANIZED TIE WIRE

F. MARK JUNCTION BOX COVERS WITH PERMANENT MARKER TO SHOW PANEL NAME AND CIRCUIT NUMBER OF CONDUCTORS INSIDE BOX. PAINT OUTLET AND JUNCTION BOXES SUPPORTING THE FIRE ALARM SYSTEM RED. IDENTIFY FIRE ALARM CONDUITS WITH A 1" WIDE RED BAND, 10'-0" ON CENTER.

INCORPORATED INTO AND BECOME A PART OF THIS SPECIFICATION: G. OUTLET BOXES FOR USE IN EXPOSED WIRING SYSTEMS SHALL BE CAST "FS" TYPE.

2.5 SUPPORTING DEVICES

PROVIDE AND INSTALL SUPPORTING DEVICES WHICH COMPLY WITH MANUFACTURER'S STANDARD MATERIALS, DESIGN, AND CONSTRUCTION IN ACCORDANCE WITH PUBLISHED STANDARDS AND AS REQUIRED FOR COMPLETE INSTALLATION.

COORDINATE WITH OTHER ELECTRICAL WORK, INCLUDING RACEWAY AND WIRING WORK, AS NECESSARY TO INTERFACE INSTALLATION OF SUPPORTING DEVICES. INSTALL HANGERS UPPORTS, CLAMPS, AND ATTACHMENTS TO SUPPORT PIPING PROPERLY FROM BUILDING STRUCTURE ONLY. TORQUE SLEEVE SEAL NUTS, COMPLYING WITH MANUFACTURER'S RECOMMENDED VALUES. ENSURE THAT SEALING GROMMETS EXPAND TO FORM WATER-TIGHT SEAL

INFORMATION RELATED TO THIS PROJECT.

16400 - DISTRIBUTION EQUIPMENT

PRODUCTS OF SQUARE D, GE, SIEMENS AND EATON COMPLYING WITH SPECIFICATIONS ARE ACCEPTABLE.

ALL PANELS AND CIRCUIT BREAKERS SHALL BE UL LISTED AND BEAR A UL LABEL. PANELS SHALL BE OF THE DEAD FRONT PROVIDE UNIT CAPABLE OF SWITCHING WHERE INDICATED. SAFETY TYPE. PROVIDE PANELS COMPLETE WITH FACTORY ASSEMBLED CIRCUIT BREAKERS CONNECTED TO THE BUS BARS. NUMBER ALL PANELBOARDS IN THE FOLLOWING SEQUENCE: CIRCUITS 1 AND 2 - PHASE A; CIRCUITS 3 AND 4 - PHASE B CIRCUITS 5 AND 6 - PHASE C.

C. ALL PANELBOARD BUS BARS SHALL BE COPPER OR

CIRCUIT BREAKERS SHALL BE QUICK-MAKE, QUICK-BREAK THERMAL MAGNETIC TYPE BOLTED TO THE BUS. MULTI-POLE APPROVED ENCLOSURES. DO NOT SPLICE CONDUCTORS IN PULL BREAKERS SHALL BE COMMON TRIP AND COMMON RESET TYPE; TIE HANDLE CONNECTIONS ARE NOT ACCEPTABLE.

DIRECTORY SHALL BE TYPEWRITTEN AND SHALL CONTAIN COMPLETE EQUIPMENT IDENTIFICATION AND SPACE NUMBERS OF ALL SPACES CONTROLLED BY RECEPTACLE AND LIGHTING CIRCUITS. PROVIDE NAMEPLATES MOUNTED ON EXTERIOR OF PANEL CONSISTING OF WHITE CORE BLACK BAKELITE ADHERED WITH EPOXY GLUE. LETTER HEIGHT SHALL BE 1/4 INCH.

MOUNT PANEL WITH TOP OF PANEL AT 6' AFF.

A. EQUIPMENT GROUNDING SYSTEM SHALL BE ESTABLISHED WITH EQUIPMENT GROUND CONDUCTORS. THE USE OF METALLIC RACEWAYS FOR EQUIPMENT GROUNDING IS NOT ACCEPTABLE. UNLESS INDICATED OTHERWISE, PROVIDE EQUIPMENT GROUND THE SAME SIZE AS PHASE CONDUCTORS.

B. THE FOLLOWING SPECIFICATIONS AND STANDARDS ARE INCORPORATED INTO AND BECOME A PART OF THIS SPECIFICATION:

1. UNDERWRITER'S LABORATORIES, INC. PUBLICATIONS 44, 83, 467, 486, 493 2 NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION STANDARDS WC-5, WC-7.

FRAME. PROVIDE A CONDUCTOR TERMINATION GROUNDING LUG BONDED TO THE ENCLOSURE OF EACH TRANSFORMER, MOTOR

D. GROUND ALL NON-CURRENT CARRYING PARTS OF THE AND FRAMES, JUNCTION AND OUTLET BOXES, MACHINE FRAMES, CABLE TRAYS AND OTHER CONDUCTIVE ITEMS IN CLOSE PROXIMITY WITH ELECTRICAL CIRCUITS.

E. GROUNDING CONDUCTORS FOR BRANCH CIRCUITS ARE NOT SHOWN ON THE DRAWINGS; HOWEVER, GROUNDING CONDUCTORS SHALL BE PROVIDED IN ALL BRANCH CIRCUIT RACEWAYS AND CABLES, INCLUDING FLEXIBLE CONDUIT. GROUNDING CONDUCTORS SHALL BE THE SAME AWG SIZE AS BRANCH CIRCUIT CONDUCTORS UNLESS OTHERWISE NOTED.

F. EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE ON PANELBOARD, SWITCHBOARD, OR MOTOR CONTROL CENTER GROUNDING BUS ONLY. DO NOT TERMINATE ON NEUTRAL BUS. END OF SECTION

16500 - LIGHTING SYSTEM

PRODUCTS OF NORTH AMERICAN PHILIPS, SYLVANIA, OR GE, PROVIDE LED SOURCES AND DRIVERS FOR ALL LIGHTING FIXTURES AS SPECIFIED IN THE FIXTURE SCHEDULE.

ALL LED SOURCES SHALL HAVE A COLOR TEMPERATURE OF 3500 DEGREE KELVIN AND A CRI OF 90.

5.2 INTERIOR LIGHTING FIXTURES

BEAR A UL LABEL. ALL FIXTURES INSTALLED IN DAMP OR WET LOCATIONS SHALL BE UL LISTED AND LABELED FOR THAT D. ALL BOXES SHALL BE COMPLETELY ACCESSIBLE AS REQUIRED APPLICATION. FIXTURES INSTALLED IN FIRE RATED CEILINGS

16500 - LIGHTING SYSTEM

LIGHTING FIXTURES SHALL NOT BE MANUFACTURED WITH SET LESS THAN CODE GAUGE STEEL. HINGED DOORS SHALL BE GASKETED ON ALL SIDES TO PREVENT LIGHT LEAKS. WHERE FIXTURES ARE SPECIFIED WITH A PRISMATIC PLASTIC LENS, THE LENS SHALL BE MANUFACTURED WITH UV STABILIZED VIRGIN ACRYLIC. THE LENS SHALL NOT BE LESS THAN 0.125 INCH NOMINAL THICKNESS. DRIVERS SHALL BE ELECTRONIC TYPE. ACCEPTABLE MANUFACTURERS ARE MAGNETEK, MOTOROLA, VALMONT, ADVANCE AND OSRAM.

C. LIGHTING FIXTURES SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDED MOUNTING METHODS AND THE PROVISIONS OF THE DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE ARCHITECTURAL PLANS AND SPECIFICATIONS TO VERIFY THE MOUNTING COMPATIBILITY OF THE LIGHTING FIXTURES WITH THE CEILING TYPE BEFORE FIXTURES ARE RELEASED FOR ORDERING. PROVIDE CEILING COMPATIBLE FIXTURES IN ALL CASES REGARDLESS OF THE CATALOG NUMBER ON THE DRAWINGS. RECESSED FIXTURES SHALL BE INSTALLED WITHOUT VISIBLE CRACKS OR LIGHT LEAKS BETWEEN CEILING AND FIXTURE TRIM.

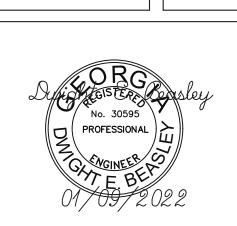
D. SAFETY CHAINS OR CLIPS SHALL BE INSTALLED ON ALL SUSPENDED OR GRID CEILING TYPE FIXTURES. ALL FIXTURES SHALL BE CLEANED AND FREE OF FINGER PRINTS PRIOR TO FINAL ACCEPTANCE. SEE DETAILS FOR ADDITIONAL INFORMATION.

LIGHTING FIXTURES FLUSH MOUNTED IN EXPOSED TEE CEILINGS SHALL BE ATTACHED TO THE MAIN RUNNERS AT EACH END WITH CLIPS INTENDED FOR THAT PURPOSE. LED FIXTURES FLUSH MOUNTED IN CONCEALED SUSPENSION TYPE CEILING OR IN PLASTER. STUCCO OR SHEETROCK CEILINGS SHALL BE SUPPORTED BY ADJUSTABLE BRACKETS, INTEGRAL WITH THE FIXTURE, RESTING ON SUPPORT CHANNELS OF THE CEILING SUSPENSION SYSTEM. SURFACE MOUNTED LED FIXTURES SHALL BE SUPPORTED BY LIGHT WEIGHT CHANNE ATTACHED TO TWO MEMBERS OF THE CEILING SUSPENSION SYSTEM. PENDANT MOUNTED LED FIXTURES SHALL BE ATTACHED TO CEILING SUSPENSION SYSTEM OR STRUCTURE BY PENDANTS, HANGAR RODS OR CONDUITS.

G. EMERGENCY LED POWER SUPPLY UNIT. CONFORM TO UL 924. UNIT SHALL BE INTERNAL TYPE, MODULAR, BATTERY INVERTER, FACTORY MOUNTED WITHIN FIXTURE BODY. PROVIDE TEST SWITCH AND LED INDICATOR LIGHT. BATTERY SHALL BE SEALED, MAINTENANCE-FREE, NICKEL CADMIUM TYPE WITH MINIMUM 10 YEAR NOMINAL LIFE. CHARGER SHALL BE FULLY AUTOMATIC, SOLID STATE, CONSTANT CURRENT TYPE. RELAY SHALL OPERATE (2)LAMPS WHEN SUPPLY CIRCUIT VOLTAGE DROPS TO 80 PERCENT OF NOMINAL VOLTAGE OR BELOW. BATTERY SHALL AUTOMATICALLY RECHARGE WHEN POWER IS RESTORED.



3



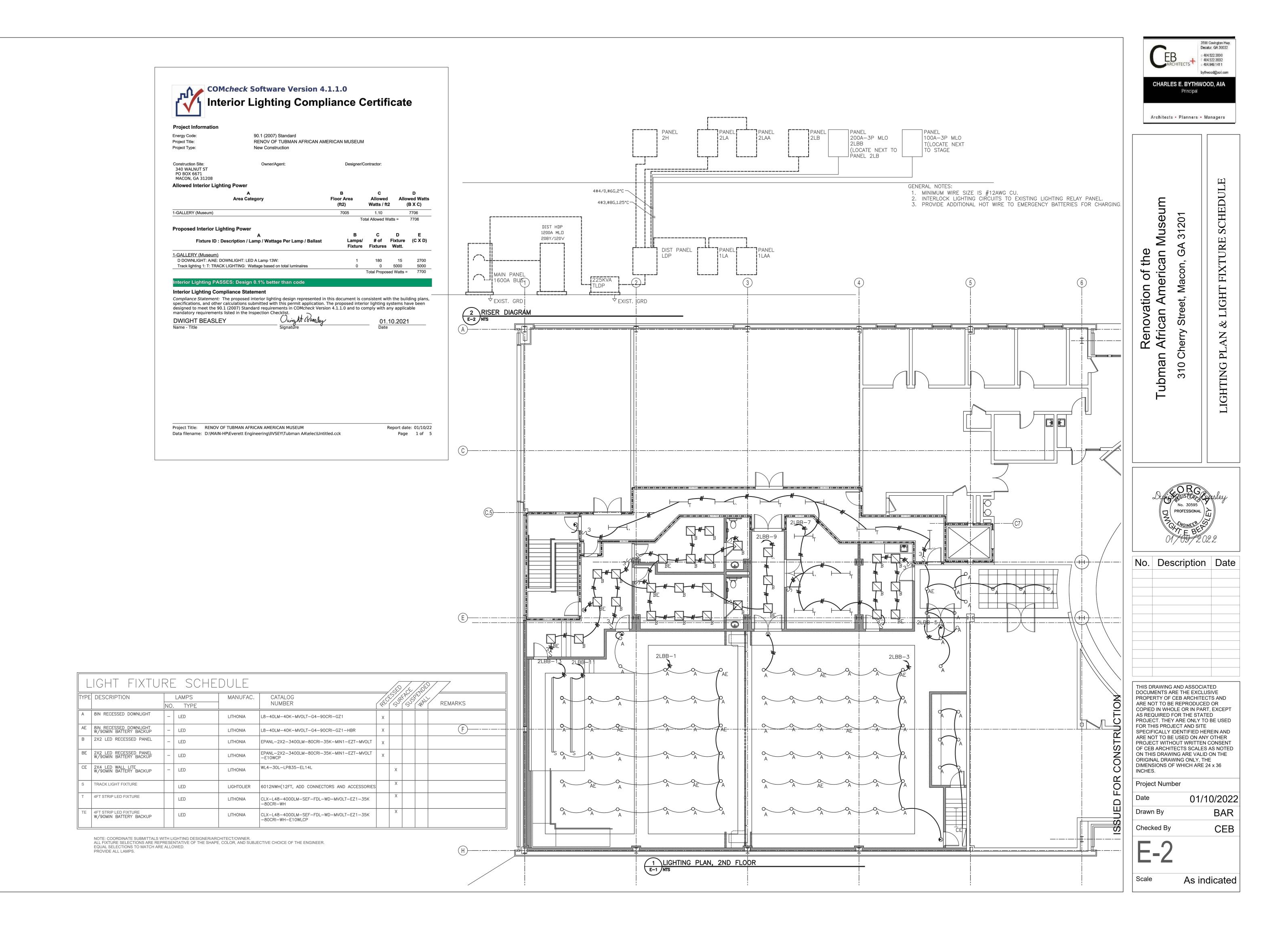
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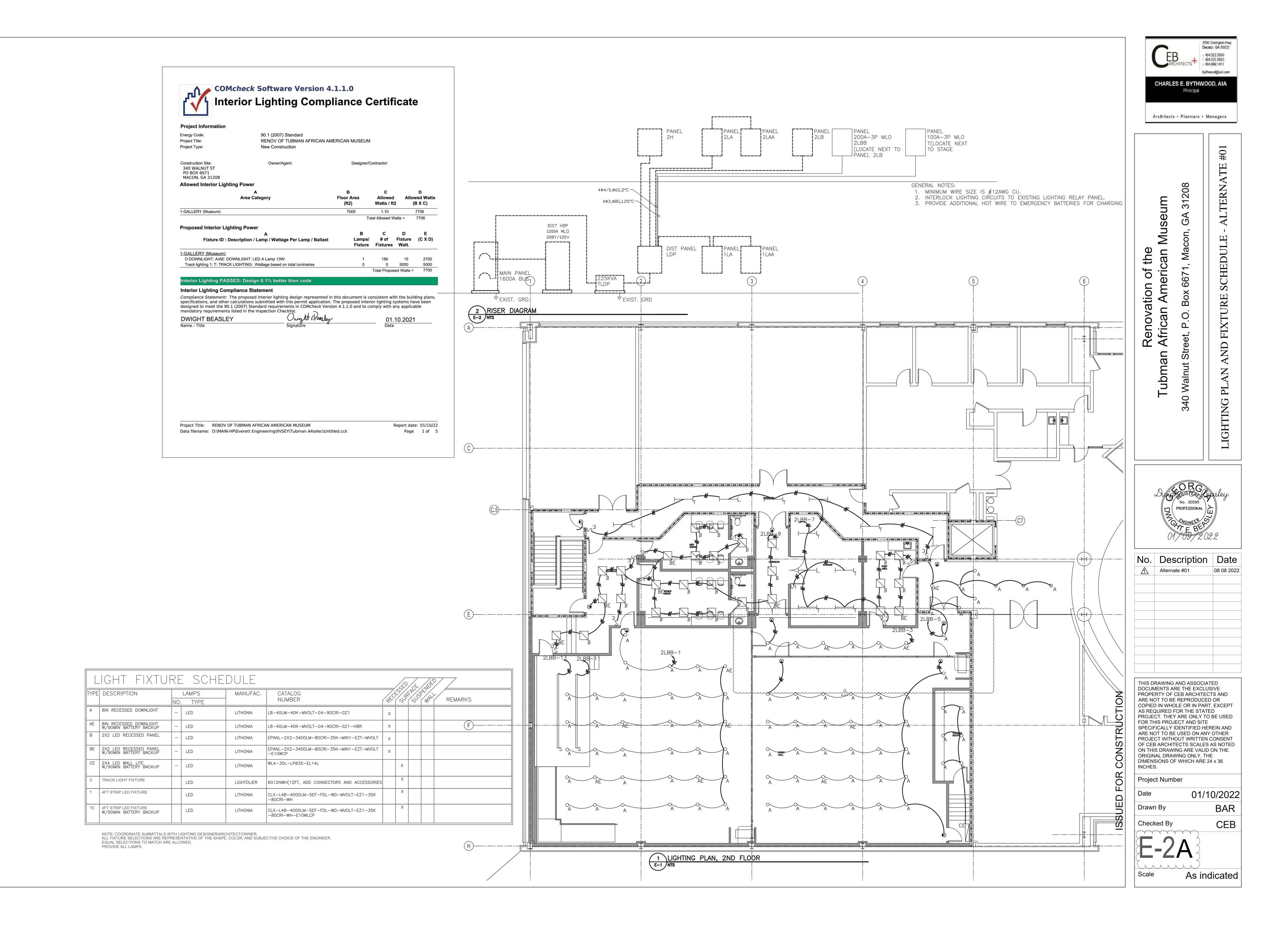
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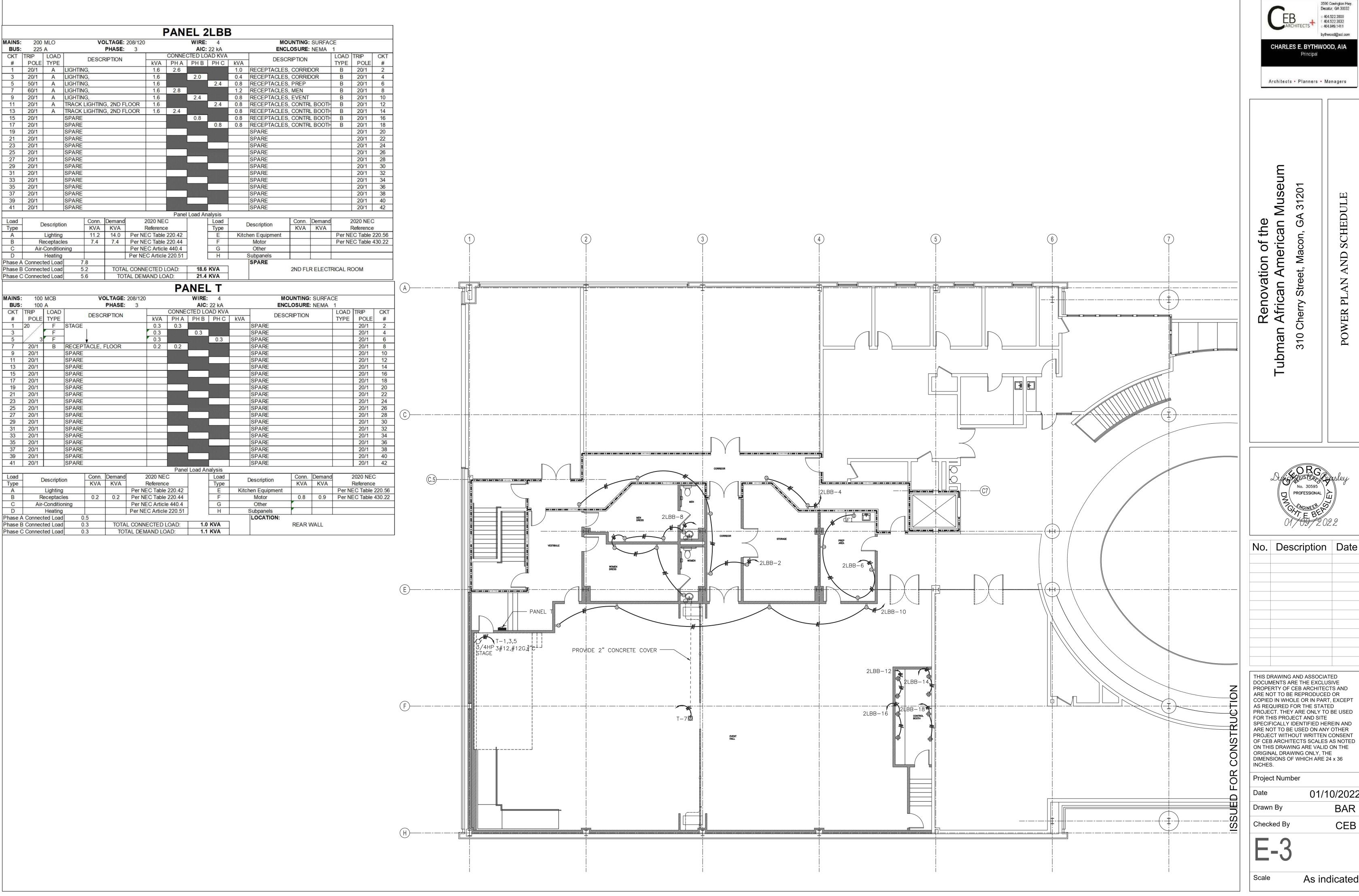
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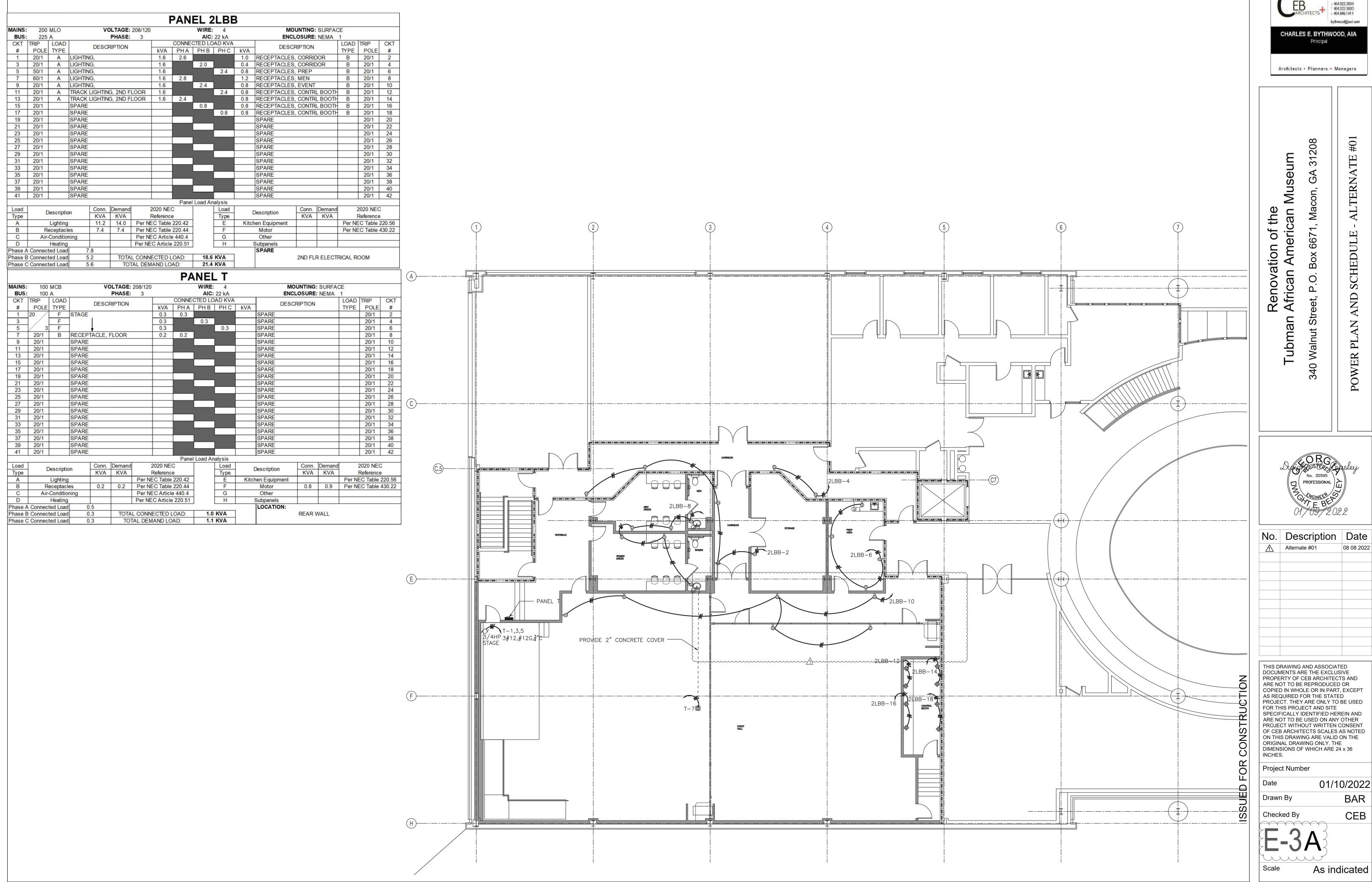






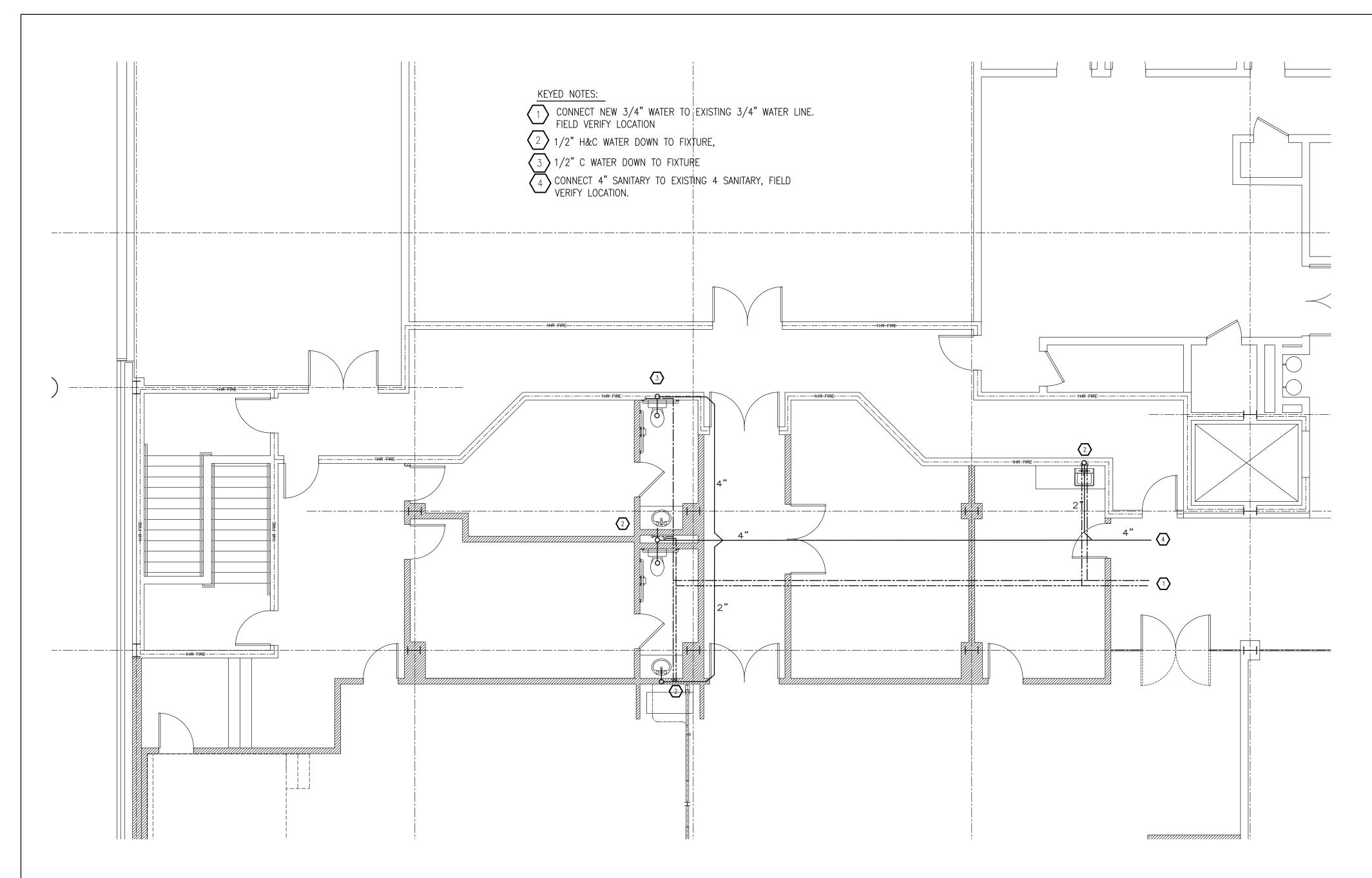


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FLOOR PLAN 2"V CONNECT TO EXISTING SCALE: 3/16=1'-0" CONNECT TO EXISTING

SANITARY RISER DIAGRAM

PLUMBING NOTES

- 1. THE PLUMBING SYSTEMS INSTALLATION SHALL CONFORM WITH THE REQUIREMENTS OF THE 2018 INTERNATIONAL PLUMBING CODE, THE 2018 INTERNATIONAL BUILDING CODE, 2018 INTERNATIONAL FUEL GAS CODE, 2015 INTERNATIONAL ENERGY CONSERVATION CODE, ASHRAE 90.1, STATE AND LOCAL AMENDMENTS, NFPA 54, NFPA 101, UNDERWRITERS LABORATORIES (OR ETL) AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.
- 2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND ELEVATIONS OF ALL PLUMBING
- 3. ALL PIPING ABOVE GRADE SHALL BE PROPERLY SUPPORTED FROM THE BUILDING STRUCTURE AND SHALL NOT REST ON OR BE SUPPORTED FROM CEILING TILES. NON-CORROSIVE HANGERS SHALL BE PROVIDED IN DAMP ENVIRONMENTS, SUCH AS PUMP ROOMS AND POOL EQUIPMENT
- 4. ALL PLUMBING EQUIPMENT, CONDENSATE DRAINAGE, SANITARY, STORM, AND WATER PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND THE LOCAL AHJ REQUIREMENTS.
- 5. SANITARY DRAINAGE AND STORM DRAINAGE PIPING SHALL BE SLOPED AS REQUIRED BY CODE. VENT PIPING SHALL BE GRADED BACK TO DRAINAGE PIPE IT SERVES.
- 7. TOPS OF ALL FLOOR DRAINS AND CLEANOUTS SHALL BE SET FLUSH WITH FINISHED FLOOR.
- 8. TRAP PRIMERS ARE TO BE PROVIDED ON ALL FLOOR DRAINS AND HUB DRAINS. TP "A"
- 9. PLUMBING PIPING SHALL NOT TO BE INSTALLED IN ELECTRICAL ROOMS, CLOSETS, TELEPHONE ROOMS, OR ELEVATOR EQUIPMENT ROOMS EXCEPT PIPING SERVING THAT SPECIFIC ROOM, ELECTRICAL EQUIPMENT, ETC. PER THE NATIONAL ELECTRICAL CODE ARTICLE 110.
- 12. ROUTING OF PIPING SHALL BE COORDINATED WITH THE ELECTRICAL CONTRACTOR AND ALL
- 13. ALL COLD WATER, HOT WATER AND DRAIN PIPING AT HANDICAPPED FIXTURES SHALL BE INSULATED WITH ASME A112.18.9 COMPLIANT INSULATION KITS, PLUMBEREX HANDY SHIELD MAXX INSULATION KITS OR EQUAL.
- 14. ALL PLUMBING EQUIPMENT, PIPING, INSULATION, ETC. INSTALLED IN HVAC PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR FLAME SPREAD AND SMOKE DEVELOPED.
- 15. ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY THE OWNER.
- 16. ALL PIPE PENETRATIONS OF FIRE AND/OR SMOKE RATED ASSEMBLIES SHALL BE FIRE STOPPED AS REQUIRED TO RESTORE THE ASSEMBLY TO ITS ORIGINAL INTEGRITY. FIRE BARRIER PRODUCTS SHALL BE AS MANUFACTURED BY 3M COMPANY, CP25 CAULK, CS195 COMPOSITE PANEL, FS195 WRAP/SRINK, TREMCO, HILTI, METACAULK, NELSON, OR PSS 7900 SERIES SYSTEMS AS RECOMMENDED BY MANUFACTURER FOR PARTICULAR APPLICATIONS, OR EQUIVALENT SYSTEM AS APPROVED BY LOCAL CODE OFFICIALS. T-RATINGS SHALL BE MAINTAINED BY DOUBLE WRAPPING PENETRATIONS 4'-0 WRAP MUST EQUAL T-RATING.
- 17. ALL VENT THRU ROOF PENETRATIONS SHALL BE ROUTED TO TERMINATE AT THE LEAST VISIBLE LOCATION FROM THE ENTRY VIEW.. VTR'S SHALL BE LOCATED A MINIMUM 10'-0" AWAY FROM FRESH AIR INTAKES AND OPERABLE WINDOWS.

	PLUMBING	FIXTUR	E SCH	EDULE	
FIXTURE #	DESCRIPTION	WASTE CONNECTION	HOT WATER SUPPLY	COLD WATER SUPPLY	NOTES
WC-1	WATER CLOSET	4"		1"	
L-1	COUNTERTOP LAVATORY -	1 1/4"		1/2"	
L-2	SINK	1 1/4"		1/2"	

- 1. COLOR OF FIXTURES SHALL BE WHITE AND FINISH OF FAUCETS SHALL BE CHROME PLATED.
- PROVIDE MCGUIRE PW2125 INSULATION KIT. REFER TO INTERIOR DESIGN DRAWINGS FOR AMENITY FIXTURE SPECIFICATIONS

PLUMBING NOTES

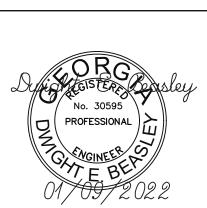
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Decatur, GA 30032 0 404.522.3800 f 404.522.3832 0 404.849.1411 bythwood@aol.com

CHARLES E. BYTHWOOD, AIA

Architects • Planners • Managers

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