

# OCONEE COUNTY VETERANS PARK SENIOR CENTER WATKINSVILLE, GA MARCH 26, 2021



3500 HOG MOUNTAIN RD,  
WATKINSVILLE, GA 30677



## SHEET LIST

### INFORMATION

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LS-101	LIFE SAFETY PLAN
ENG	ENERGY COMPLIANCE REPORT

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## GENERAL NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING ALL WORK DURING CONSTRUCTION.
- FOOTINGS ARE DESIGNED FOR AN ALLOWABLE BEARING CAPACITY OF 3000 P.S.F. BOTTOM OF FOOTINGS SHALL BEAR 3'-0" INTO ORIGINAL GROUND OR ON CONTROLLED FILL AS SUPERVISED BY GEOTECHNICAL ENGINEER.
- CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 P.S.I. WITH A 4" MAXIMUM SLUMP. DETAILS NOT SHOWN SHALL BE ACCORDING TO ACI 318 AND ACI 301 SPECIFICATIONS FOR CONCRETE CONSTRUCTION.
  - REINFORCING STEEL SHALL BE ASTM A-615 GRADE 60 (TIES MAY BE GRADE 40)
  - W.W.F. SHALL BE ASTM A-185
  - CONCRETE SHALL HAVE AIR ENTERING AGENTS TO PRODUCE 3% TO 6% AIR BY VOLUME.
  - GROUT SHALL BE 4000 PSI NON SHRINK
- C.J. ON PLANS INDICATE CONTROL JOINT 1/8" x 1" DEEP SAWN WITHIN 24 HOURS AFTER PLACING CONCRETE. METAL JOINT MATERIAL MAY BE USED.
- ARCHITECTS APPROVAL REQUIRED:
  - REINFORCING SHOP DRAWINGS
  - HANGERS & EQUIPMENT SUPPORTS
  - CONTRACTOR SHALL COORDINATE ALL MECHANICAL OPENINGS AND ADVISE ARCHITECT OF ANY STRUCTURAL CHANGES REQUIRED.
- ALL COMPACTION TESTING, MATERIALS TESTING, SPECIAL INSPECTIONS FOR STEEL, ETC. TO BE BY GENERAL CONTRACTOR.
- ALL UTILITY TAP FEES, METER FEES, PERMITS TO BE BY GENERAL CONTRACTOR.

### PROTECTION SYSTEM NOTES:

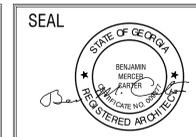
- ALL MEP TO CONFORM TO NFPA 75. SEE CHAPTER 10.
- NFPA 75 - 5.3.2 REQUIRES A FLOOR DRAIN IN THE EQUIPMENT ROOM.
- AUTOMATIC DETECTION SYSTEM TO PROVIDE EARLY WARNING OF FIRE. NFPA 72.
- PORTABLE EXTINGUISHERS ARE REQUIRED THROUGHOUT AT EVERY 75 FEET
- A/C UNITS TO HAVE SHUT DOWN WHEN FIRE SUPPRESSION IS ACTIVATED.
- ALL ELECTRICAL TO CONFORM TO NFPA 70.

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X	00-00-00	N/A			

CONSULTANTS					

**CARTER WATKINS ASSOCIATES  
ARCHITECTS, INC.**  
POST OFFICE BOX 1064  
137 EAST WASHINGTON STREET  
MONROE, GEORGIA 30655  
Fax: 770-267-1064  
email@carterwatkins.com www.carterwatkins.com



**OCONEE COUNTY PARK  
SENIOR CENTER  
WATKINSVILLE, GA**

SHEET TITLE: COVER SHEET	NUMBER: <b>G-001</b>
PRINTED:	

OCONEE SENIOR PRINTED DATE: 03/26/21

**OCONEE COUNTY SENIOR CENTER – CODE ANALYSIS**

**Current Mandatory Codes as Adopted by DCA:**

- International Building Code, 2018 Edition, with Georgia Amendments (2020)
- International Residential Code, 2018 Edition, with Georgia Amendments (2020)
- International Fire Code, 2018 Edition (Contact State Fire Marshal Below)
- International Plumbing Code, 2018 Edition, with Georgia Amendments (2020)
- International Mechanical Code, 2018 Edition, with Georgia Amendments (2020)
- International Fuel Gas Code, 2018 Edition, with Georgia Amendments (2020)
- National Electrical Code, 2017 Edition (No Georgia Amendments)
- International Energy Conservation Code, 2015 Edition, with Georgia Supplements and Amendments (2020)
- International Swimming Pool and Spa Code, 2018 Edition, with Georgia Amendments (2020)
- **NFPA 101 Life Safety Code – 2018 edition.**

**Current Permissive Codes as Adopted by DCA:**

- Disaster Resilient Building Code IBC Appendix(2013)
- Disaster Resilient Building Code IRC Appendix (2013)
- International Property Maintenance Code, 2012 Edition, with Georgia Amendments (2015)
- International Existing Building Code, 2012 Edition, with Georgia Amendments (2015)
- National Green Building Standard, 2008 Edition, with Georgia Amendments (2011)

**CONSTRUCTION TYPE – Type IIB, sprinklered–**

**PROJECT SUMMARY –**

The project consists of a 2,450 square foot addition to the rear of the existing Senior Center. The Addition will house two small Classrooms, a Fitness Area, two Restrooms with Showers and a small storage room. The existing facility is approximately 11,640 square feet and there will be no rated separation between the existing building and the new addition.

**Building Characteristics –**

Existing square footage -	11,640
Addition square footage -	2,450
<b>TOTAL SQUARE FOOTAGE -</b>	<b>14,090 S.F.</b>

**Code Limitations: OCCUPANCY CLASSIFICATION – ASSEMBLY (A-3 IBC)**

TS04.3 limited to 75 feet in height. Building is 24 feet high. TS04.4 shall be limited to 3 stories in height

TS06.2 building area is unlimited. If building were considered Type IIA the area would be limited to 38,000 square feet for sprinkled buildings, Type IIB, sprinklered A-3 Occupancy.

**OCCUPANT CALCULATION**

Existing Building Space	Square footage	Occupant Load	Occupants
Lobby	1,203	15 s.f. per person	81
Administration/Work Area	420	100 s.f. per person	5
Office	189	100 s.f. per person	2
Files	136	300 s.f. per person	1
Office	226	100 s.f. per person	3
Storage	140	300 s.f. per person	1
Toilet			
Storage/Mechanical	174	300 s.f. per person	1
Housekeeping	84	300 s.f. per person	1
Gallery	835	15 s.f. per person	56
Women's			
Men's			
Crafts	1642	100 s.f. per person	17
Billiards	624	15 s.f. per person	42
Storage	384	300 s.f. per person	2
Community Activities/Dining	2577	15 s.f. per person	172
Kitchen	790	300 s.f. per person	3
Office	104	100 s.f. per person	2
Mechanical	180	300 s.f. per person	1
<b>TOTAL EXISTING</b>			<b>440 occupants</b>
<b>Addition Building Space</b>	<b>Square footage</b>	<b>Occupant Load</b>	<b>Occupants</b>
Art Room	323	20 s.f. per person	17
Classroom	315	20 s.f. per person	16
Wellness Center	931	15 s.f. per person	63
Storage	83	300 s.f. per person	1
Restroom	96		
Restroom	96		
<b>TOTAL ADDITION OCCUPANTS</b>			<b>97</b>
<b>TOTAL OCCUPANTS</b>			<b>537</b>

**NFPA 101 LIFE SAFETY CODE**

**Chapter 13 – EXISTING ASSEMBLY OCCUPANCY**

Minimum Construction Type (T13.1.6) Type II (0,0,0) is permitted up to 3-stories (sprinkled)

**13.2.3.2 Egress Capacity Factor**

Total Building 537 occupants x .22 inches = 118.15" required 192" provided with 5 remote exits.

**Assembly Areas –**

Community Activities/Dining 172 occupants x .22 = 37.84" required, 128" provided

Addition – 97 occupants x .22 = 21.34" required, 64" provided.

**13.2.5 Egress – 3 means of egress required from spaces exceeding 500 occupants.**

2 means of egress required from all other spaces

Travels distance allowed - 250 feet in sprinkled buildings

Common path of travel – 20 feet. 75 feet in areas of more than 50 occupants.

Dead-end corridor – 20 feet

All exit doors and doors in exit access (corridors and assembly areas) to have panic hardware

Exit discharge shall comply with 7.7

Door Swing Direction (7.2.1.4.2) requires doors serving greater than 50 occupants shall swing in the direction of egress.

**13.2.8 Mean of Egress Illumination – Provide lighting from exits to public way per 7.8**

**13.2.9 Emergency Lighting – Provide emergency lighting per 7.9**

**13.2.10 Exit Marking – Provide Exit marking per 7.10**

**13.3.1 Protection from Hazards - Rooms to be separated with 1-hour fire separation (mechanical in air-handlers only, no open flames and is, therefore, not rated) include Janitor's closet (per 13.3.2.1.2(1)).**

**13.3.3 Interior Finish**

Corridors and Lobbies to be Class A or Class B

Assembly Areas to be Class A or Class B

Stairs shall have Class A finished

Floors shall be Class II

**13.3.4 Detection, Alarm, and Communication systems**

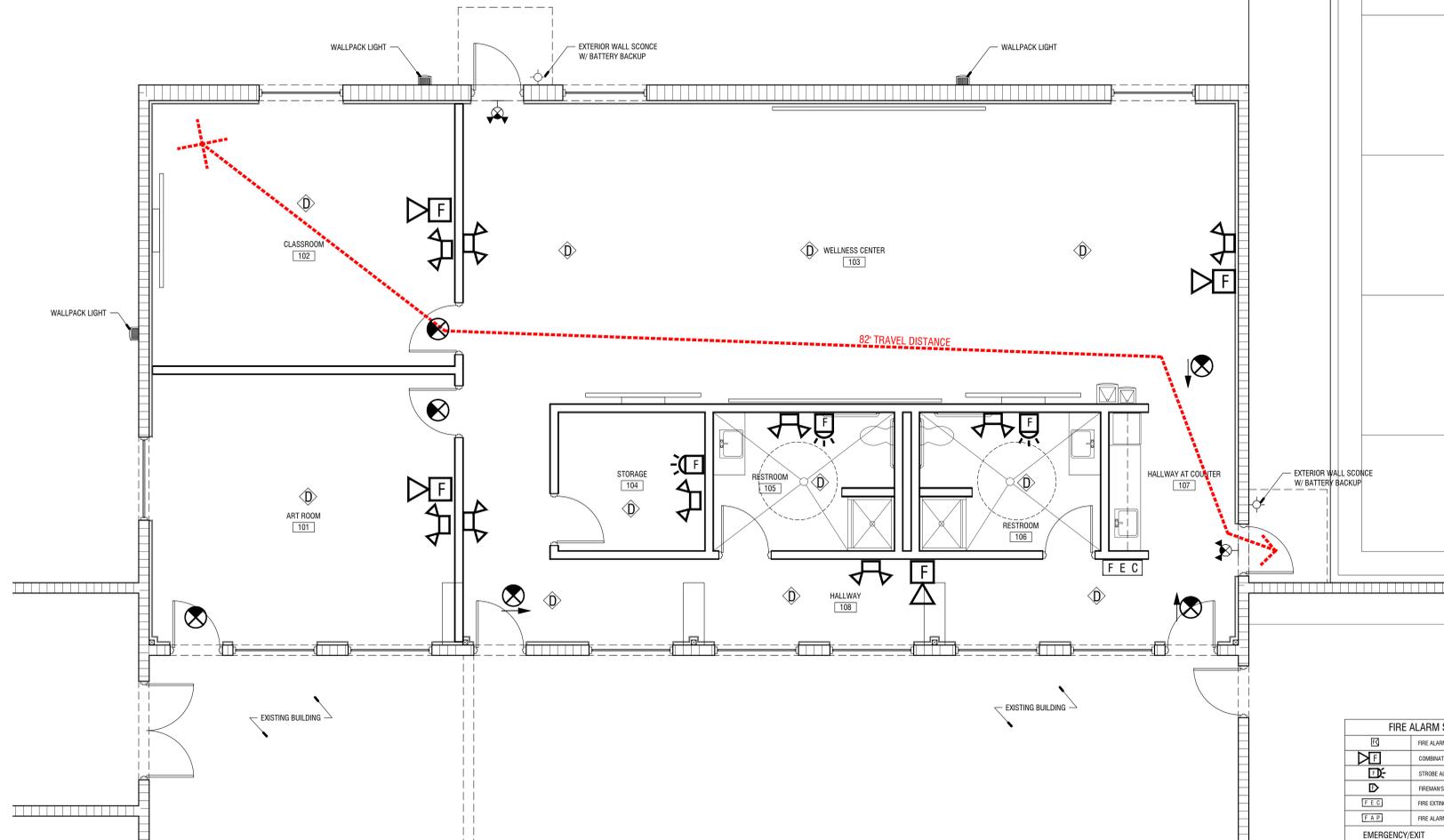
Assembly occupancies with greater than 300 occupants shall have an approved fire alarm in accordance with 9.6.1 and NFPA 72. Initiation shall be in accordance with 9.6.2.1. Notification shall be per 9.6.3.4. Submit shop drawings from a licenses Fire Alarm company for approval. Fire Alarm is provided and is activated by the Automatic sprinkler system.

**Extinguishment Requirements –**

12.3.5.2 Specifies that any assembly with greater than 300 occupants must be sprinkled.

**Corridors –**

Corridor and Lobbies protection is not required in buildings protected throughout by an Automatic Sprinkler system conforming with 9.7.



**1 LIFE SAFETY PLAN**

1/4" = 1'-0"

FIRE ALARM SYSTEM	
	FIRE ALARM PULL STATION
	COMBINATION ALARM HORN/STROBE, 8-1/2" AFF
	STROBE ALARM, 8-1/2" AFF
	FIREMAN'S TELEPHONE
	FIRE EXTINGUISHER CABINET
	FIRE ALARM PANEL
EMERGENCY/EXIT	
(SHADED QUADRANT INDICATES DIRECTION OF FACE FOR EXIT LIGHTS)	
	SINGLE FACE EXIT LIGHT (CEILING OR PENDANT MOUNTED)
	SINGLE FACE EXIT LIGHT (WALL MOUNTED)
	DOUBLE FACE EXIT LIGHT (CEILING OR PENDANT MOUNTED)
	DOUBLE FACE EXIT LIGHT (WALL MOUNTED)
	ARROWS TO INDICATE DIRECTION OF EXIT TRAVEL
	BATTERY OPERATED EMERGENCY LIGHT WITH TWO HEADS (WALL MOUNTED)
	BATTERY OPERATED EMERGENCY LIGHT WITH TWO HEADS (PENDANT)
	REMOTE MOUNTED EMERGENCY HEAD
	COMBINATION LED EXIT LIGHT & BATTERY LIGHT
	COMBINATION LED EXIT LIGHT & BATTERY LIGHT

TOTAL OCCUPANTS = 537

1 HOUR FIRE RATING

2 HOUR FIRE RATING

**NOTES:**

FIRE ALARM EQUIPMENT (STROBES, EMERGENCY LIGHTS, EXIT SIGN, ETC.) ARE SHOWN FOR GUIDANCE ONLY. FIRE ALARM CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING NFPA 72 COMPLIANT AND FIRE MARSHAL APPROVED SYSTEM, NOTIFICATION, NUMBER OF FIXTURES, ETC. SUBMIT SHOP DRAWINGS FOR APPROVAL.

AUTOMATIC EXTINGUISHING SYSTEM SHALL BE PROVIDED COMPLYING W/ NFPA 13

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REVISIONS					
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CONSULTANTS		

**CARTER WATKINS ASSOCIATES ARCHITECTS, INC.**  
 POST OFFICE BOX 1064  
 137 EAST WASHINGTON STREET  
 MONROE, GEORGIA 30655  
 Fax: 770.267-1064  
 email@carterwatkins.com www.carterwatkins.com



**OCONEE COUNTY PARK SENIOR CENTER**  
 WATKINSVILLE, GA

SHEET TITLE: LIFE SAFETY PLAN	NUMBER: <b>LS-101</b>
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COMcheck Software Version 4.1.2.1  
Interior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC  
Project Title: Oconee County Park Senior Center  
Project Type: Addition

Construction Site:  
3500 Hog Mountain Road  
Watkinsville, GA

Owner/Agent:

Designer/Contractor:  
Benjamin Carter  
Carter Watkins Associates  
137 East Washington Street  
Monroe, GA 30655  
770-267-1064  
email@carterwatkins.com

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft <sup>2</sup> )	C Allowed Watts / ft <sup>2</sup>	D Allowed Watts (B X C)
1-Town Hall	2381	0.89	2119
Total Allowed Watts =			2119

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-Town Hall				
LED 1: A: Other:	1	10	42	417
LED 2: B: Other:	1	24	42	1001
LED 3: C: Other:	1	3	42	125
LED 4: D: LED Other Fixture Unit 25W:	1	2	25	50
Total Proposed Watts =				1593

Interior Lighting PASSES: Design 25% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.2.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

RAJANI T. PARIKH, ENGINEER  
Name - Title Signature Date 2/15/2021

COMcheck Software Version 4.1.2.1  
Mechanical Compliance Certificate

Project Information

Energy Code: 2015 IECC  
Project Title: Oconee County Park Senior Center  
Location: Watkinsville, Georgia  
Climate Zone: 3a  
Project Type: Addition

Construction Site:  
3500 Hog Mountain Road  
Watkinsville, GA

Owner/Agent:

Designer/Contractor:  
Benjamin Carter  
Carter Watkins Associates  
137 East Washington Street  
Monroe, GA 30655  
770-267-1064  
email@carterwatkins.com

Mechanical Systems List

Quantity System Type & Description

1 HVAC System 1 (Single Zone):  
Cooling: 1 each - Single Package DX Unit, Capacity = 150 kBtu/h, Air-Cooled Condenser, Air Economizer  
Proposed Efficiency = 11.00 EER, Required Efficiency: 11.00 EER + 12.4 IEER  
Fan System: None

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.2.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

RAJANI T. PARIKH, ENGINEER  
Name - Title Signature Date 2/15/2021

Number	Date	Remarks	Number	Date	Remarks
1	02/15/20	CODE OFFICIALS COMMENTS			

CONSULTANTS

Date Plotted: Feb 18, 2021 - 10:43am  
File: 2020-02ENG.DWG

**ATLANTA MANAGEMENT AND ENGINEERING CONSULTANTS, INC.**  
2081 LULLWATER PLACE, LAWRENCEVILLE, GA 30043  
EMAIL: AMECT1@GMAIL.COM, TEL: (770)-962-3638

**CARTER WATKINS ASSOCIATES ARCHITECTS, INC.**  
POST OFFICE BOX 1084  
137 EAST WASHINGTON STREET  
MONROE, GEORGIA 30655  
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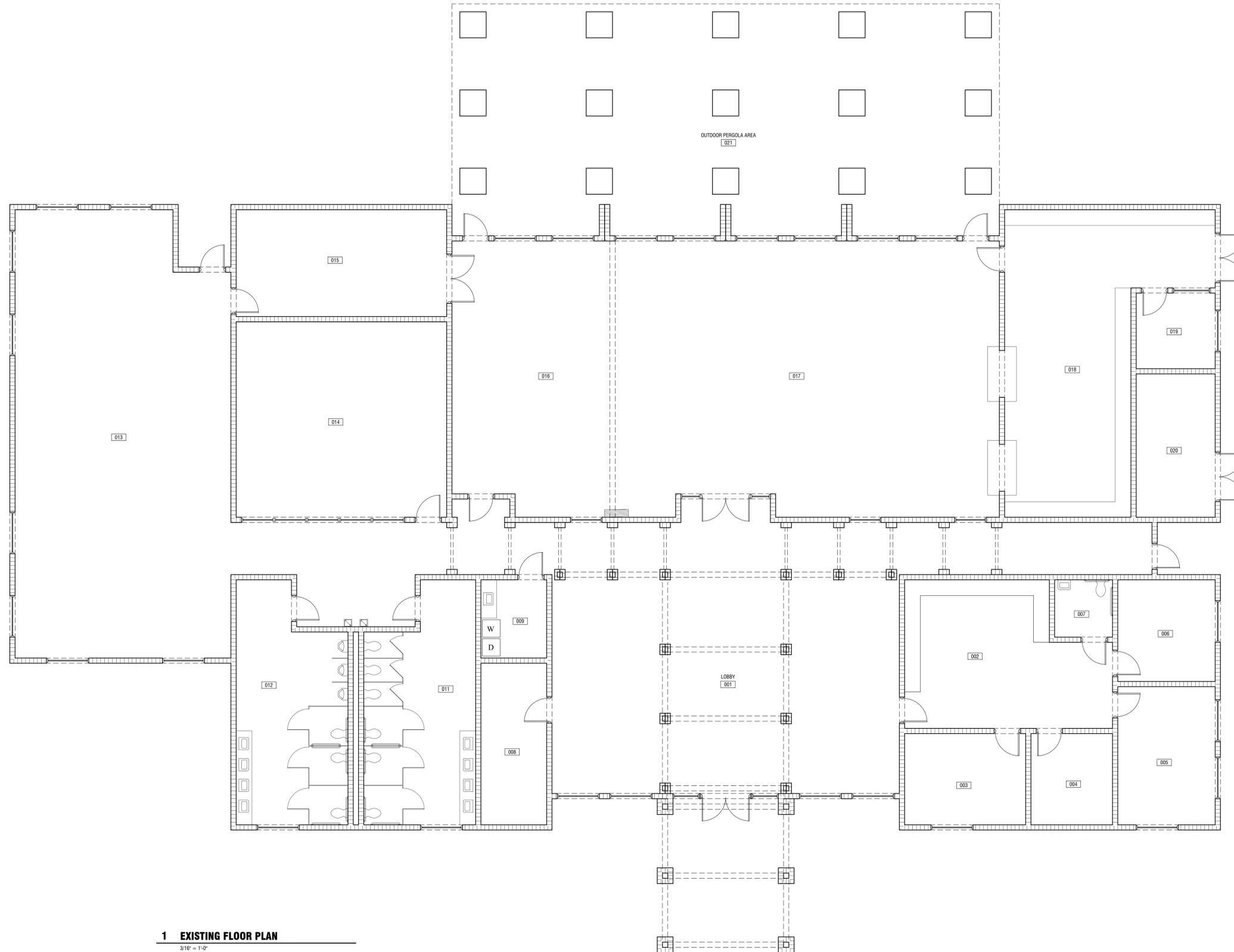
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WATKINSVILLE, GA

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ENERGY COMPLIANCE REPORT

PRINTED: 02/18/21

NUMBER:  
ENG





**1 EXISTING FLOOR PLAN**

3/16" = 1'-0"

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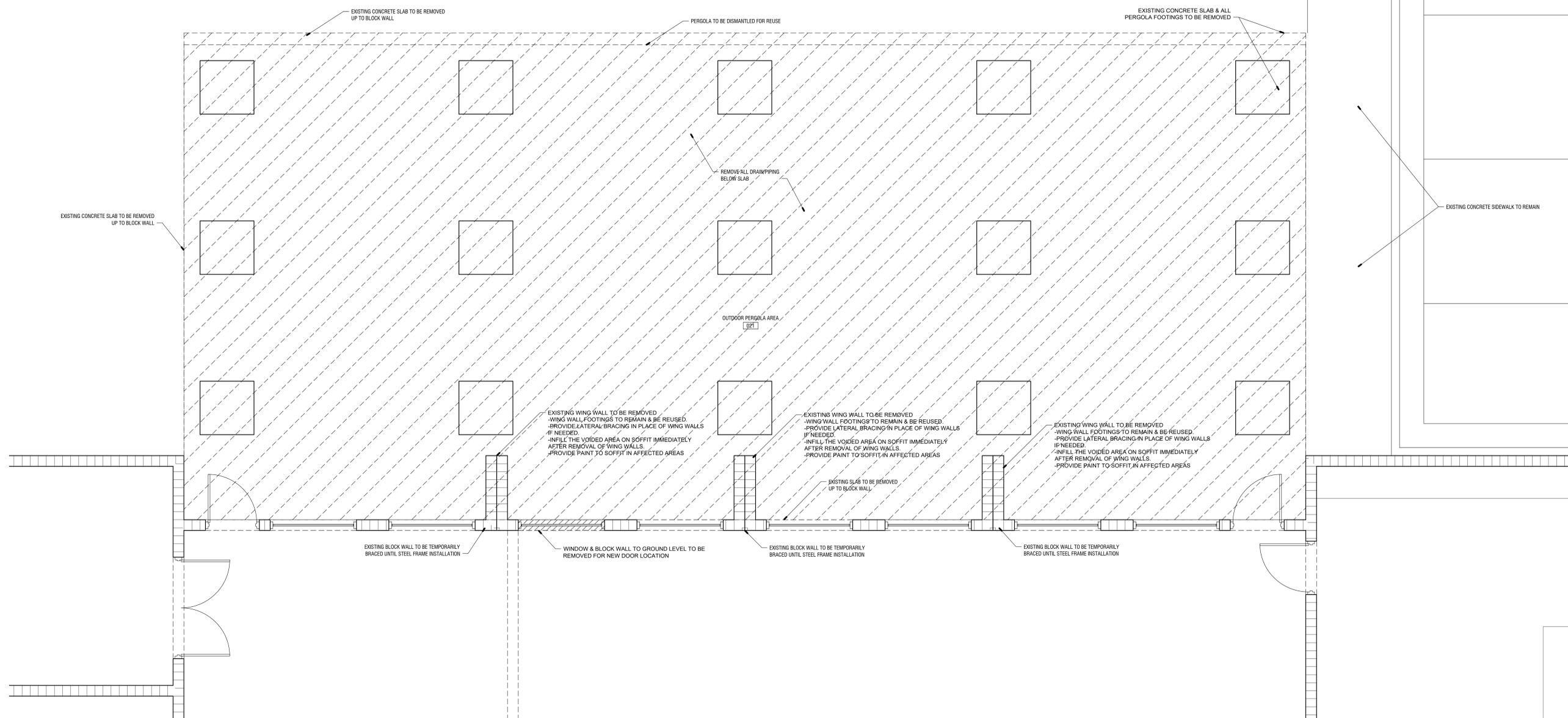
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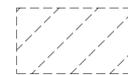
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SENIOR CENTER**  
WATKINSVILLE, GA

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**1 DEMO PLAN**  
3/8" = 1'-0"

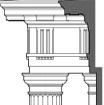
 = HATCHED AREAS INDICATE AREAS TO BE DEMOLISHED

- DEMO NOTES:**
- 1) EXISTING SLAB TO BE REMOVED UP TO THE EXISTING BLOCK WALL
  - 2) PERGOLA AND PERGOLA FOOTINGS TO BE REMOVED
  - 3) ALL EXISTING SEWER/WATER LINES UNDER EXISTING SLAB TO BE REMOVED OR REROUTED TO SUPPORT NEW DRAIN/WATER CONDITIONS
  - 4) (3) EXISTING WING WALLS TO BE REMOVED TO EXISTING FOOTING
  - 5) WING WALL FOOTINGS TO REMAIN AND WILL BE UTILIZED FOR NEW STEEL FRAME TO SUPPORT EXISTING BLOCK WALL

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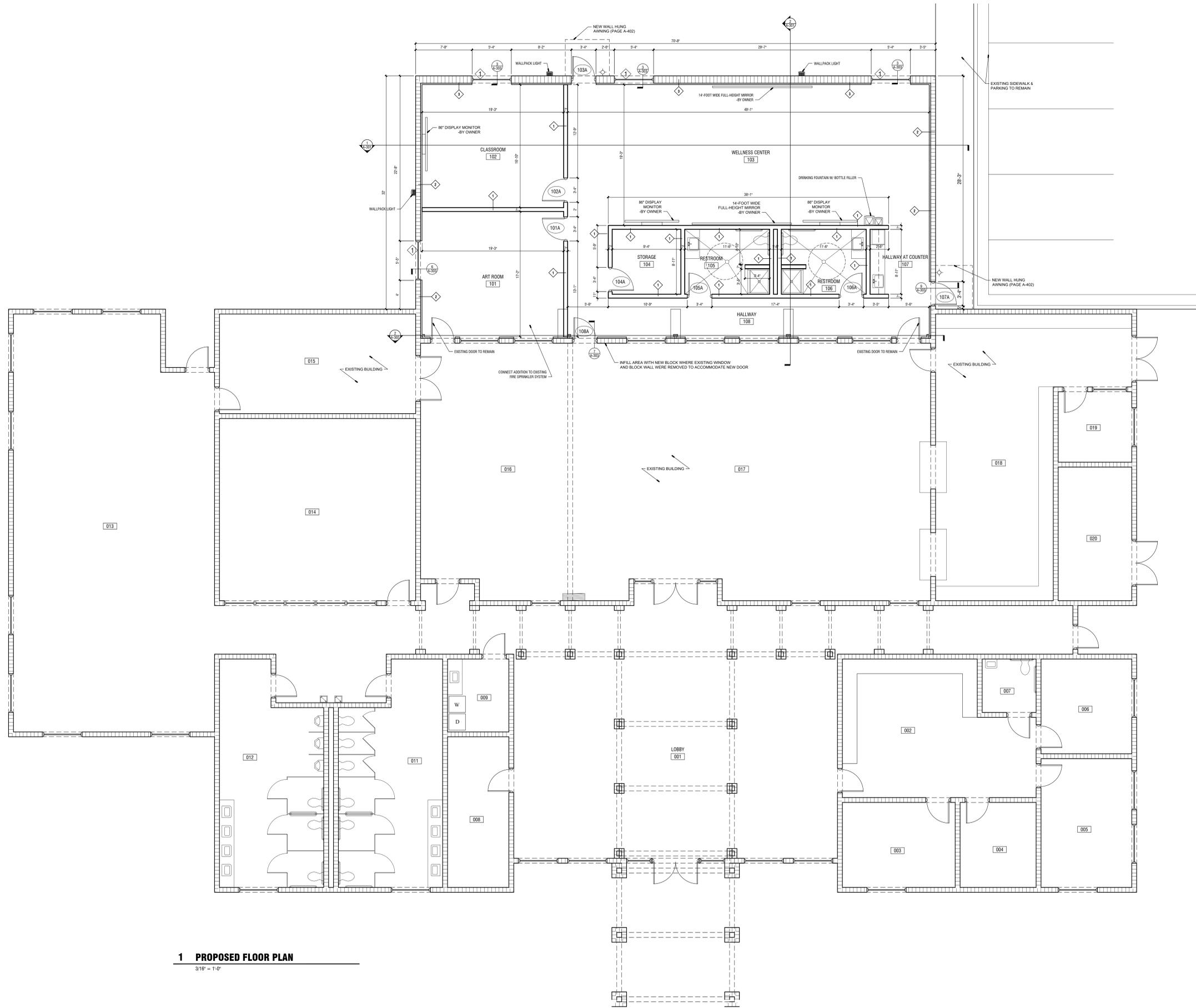
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POST OFFICE BOX 1064  
137 EAST WASHINGTON STREET  
MONROE, GEORGIA 30655  
Fax: 770.267-1064  
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**OCONEE COUNTY PARK SENIOR CENTER**  
WATKINSVILLE, GA

SHEET TITLE: DEMOLITION PLAN	NUMBER: <b>A-102</b>
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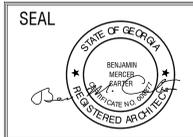
**1 PROPOSED FLOOR PLAN**

3/16" = 1'-0"

REVISIONS					
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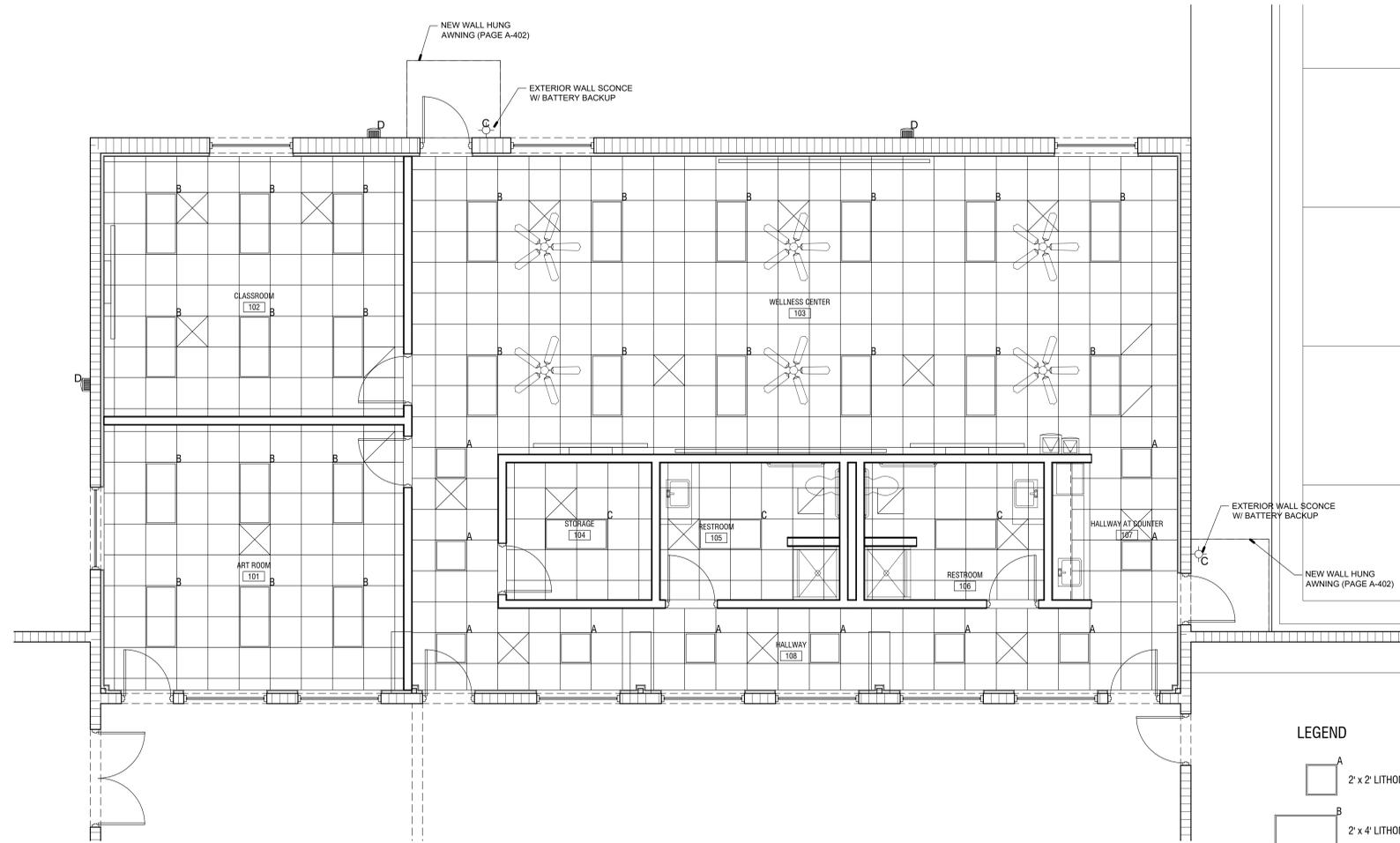


**OCONEE COUNTY PARK SENIOR CENTER**  
 WATKINSVILLE, GA

SHEET TITLE:  
 PROPOSED FLOOR PLAN  
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**A-103**



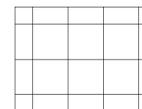


**1 REFLECTED CEILING PLAN**  
1/4" = 1'-0"

**LEGEND**

- A 2' x 2' LITHONIA LIGHTING 2VTL2 LED
- B 2' x 4' LITHONIA LIGHTING 2VTL4 LED
- C OUTDOOR WALL SCONCE - LITHONIA LED  
WALL CYLINDER - DARK BRONZE
- D OUTDOOR WALL PACK - LITHONIA LED -  
DARK BRONZE
- X AIR SUPPLY
- AIR RETURN

COORDINATE WITH ELECTRICAL & NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROGRESSING WITH AFFECTED AREAS. VERIFY ALL DIFFUSER & LIGHT LOCATIONS AND CENTER IN CEILING PANELS.



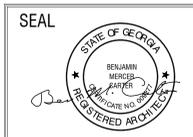
2' X 2' ACOUSTICAL CEILING TILE ON DROPPED GRID

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 POST OFFICE BOX 1064  
 137 EAST WASHINGTON STREET  
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 Fax: 770.267-1064  
 email@carterwatkins.com www.carterwatkins.com



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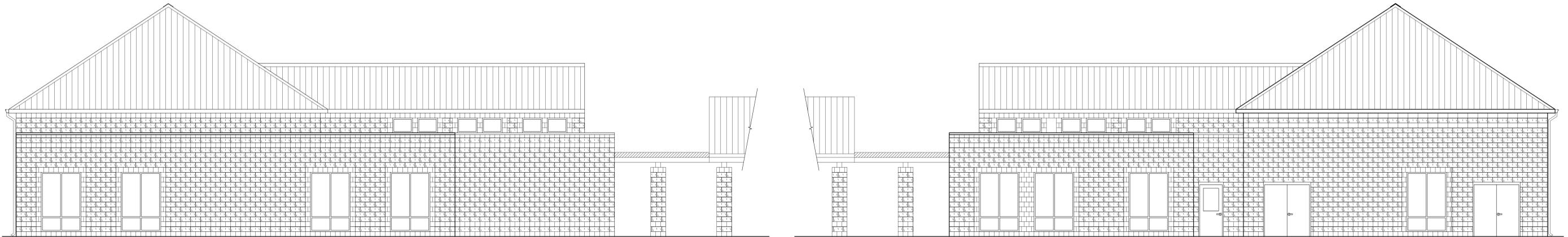
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**1 EXISTING FRONT ELEVATION**

3/16" = 1'-0"

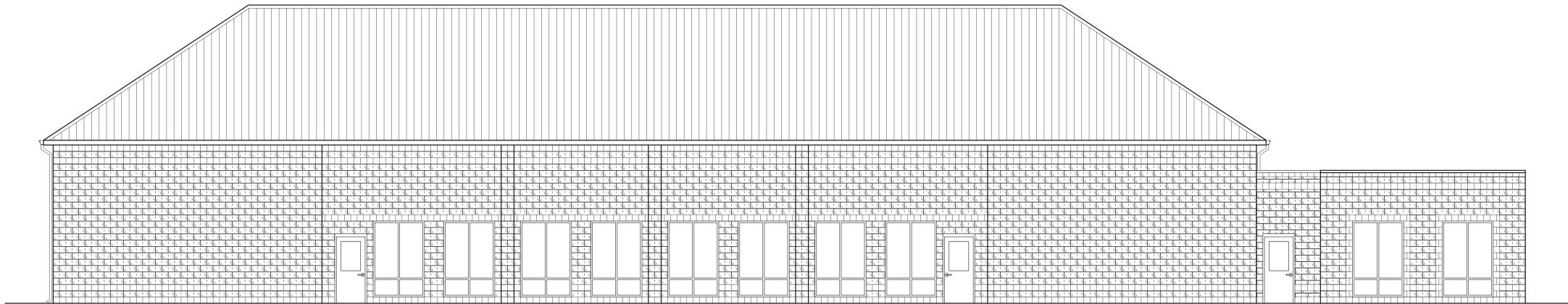


**2 EXISTING LEFT ELEVATION**

3/16" = 1'-0"

**3 EXISTING RIGHT ELEVATION**

3/16" = 1'-0"



**4 EXISTING REAR ELEVATION**

3/16" = 1'-0"

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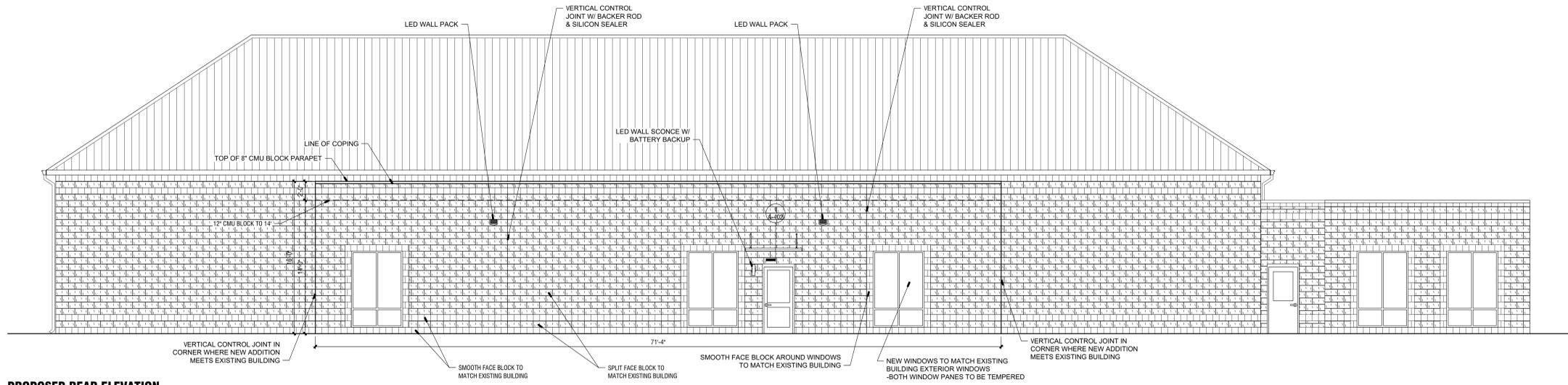
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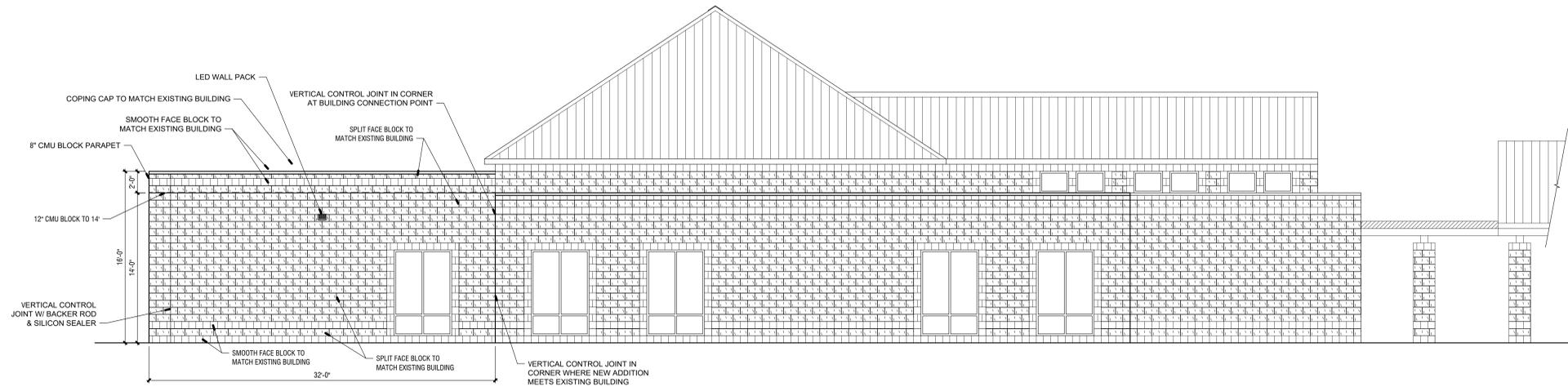
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**A-201**

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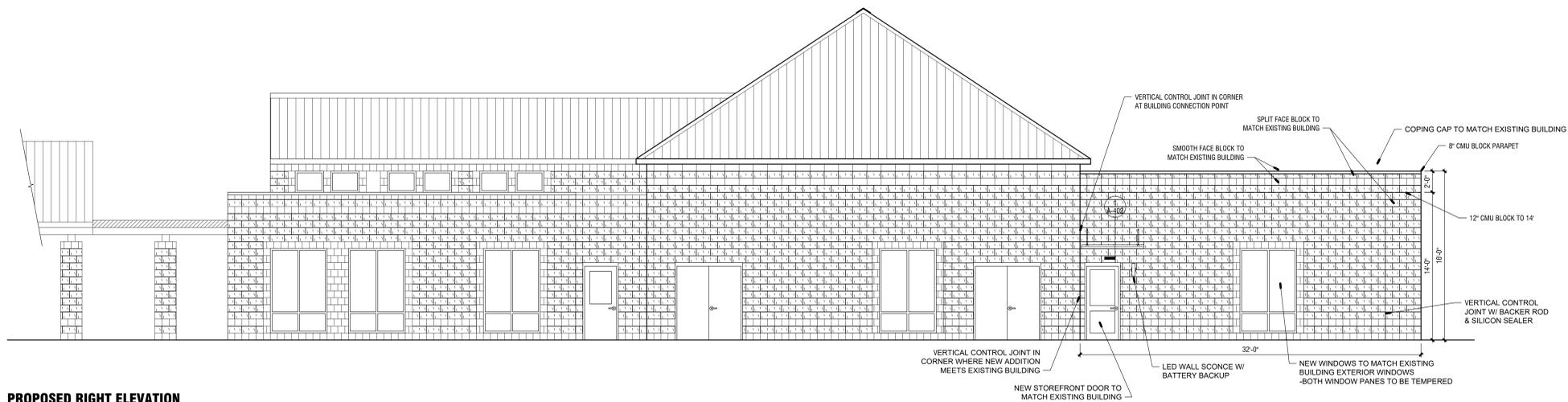
**1 PROPOSED REAR ELEVATION**

3/16" = 1'-0"



**2 PROPOSED LEFT ELEVATION**

3/16" = 1'-0"



**3 PROPOSED RIGHT ELEVATION**

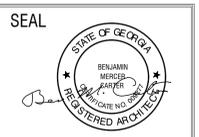
3/16" = 1'-0"

Feb 17 2021 11 T:\SHARED CAD\PROJECTS\Oconee County Park Senior Center\Oconee County Park Senior Center\Sheets\A-202 PROPOSED EXTERIOR ELEVATIONS.dwg

REVISIONS					
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CONSULTANTS					

**CARTER WATKINS ASSOCIATES ARCHITECTS, INC.**  
 POST OFFICE BOX 1064  
 137 EAST WASHINGTON STREET  
 MONROE, GEORGIA 30655  
 Fax: 770.267-1064  
 email@carterwatkins.com www.carterwatkins.com



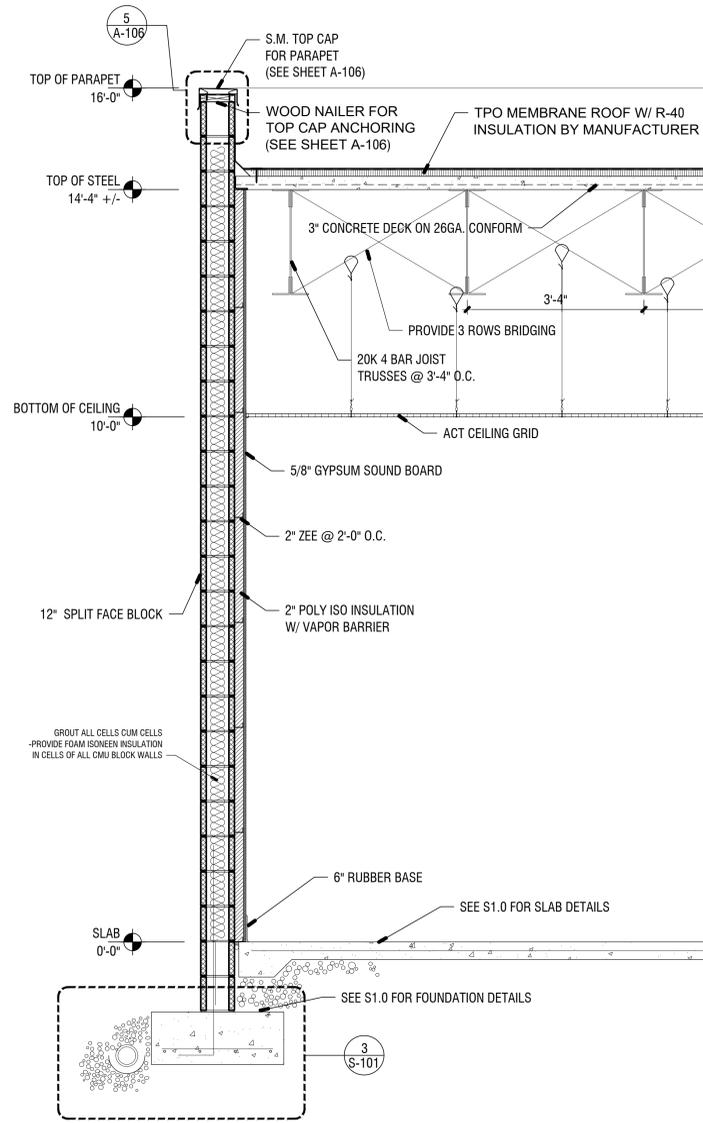
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 WATKINSVILLE, GA

SHEET TITLE: PROPOSED EXTERIOR ELEVATIONS	NUMBER: <b>A-202</b>
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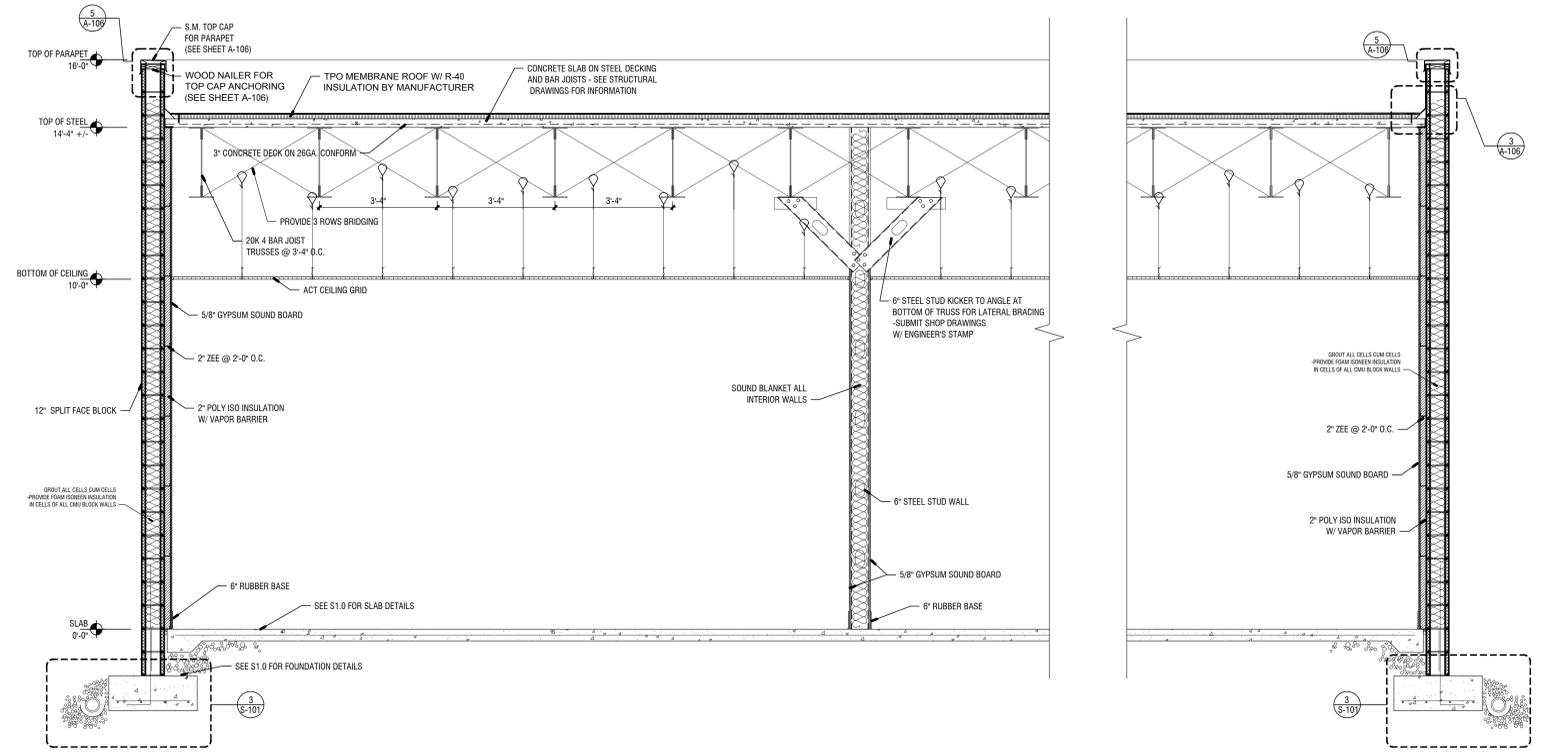
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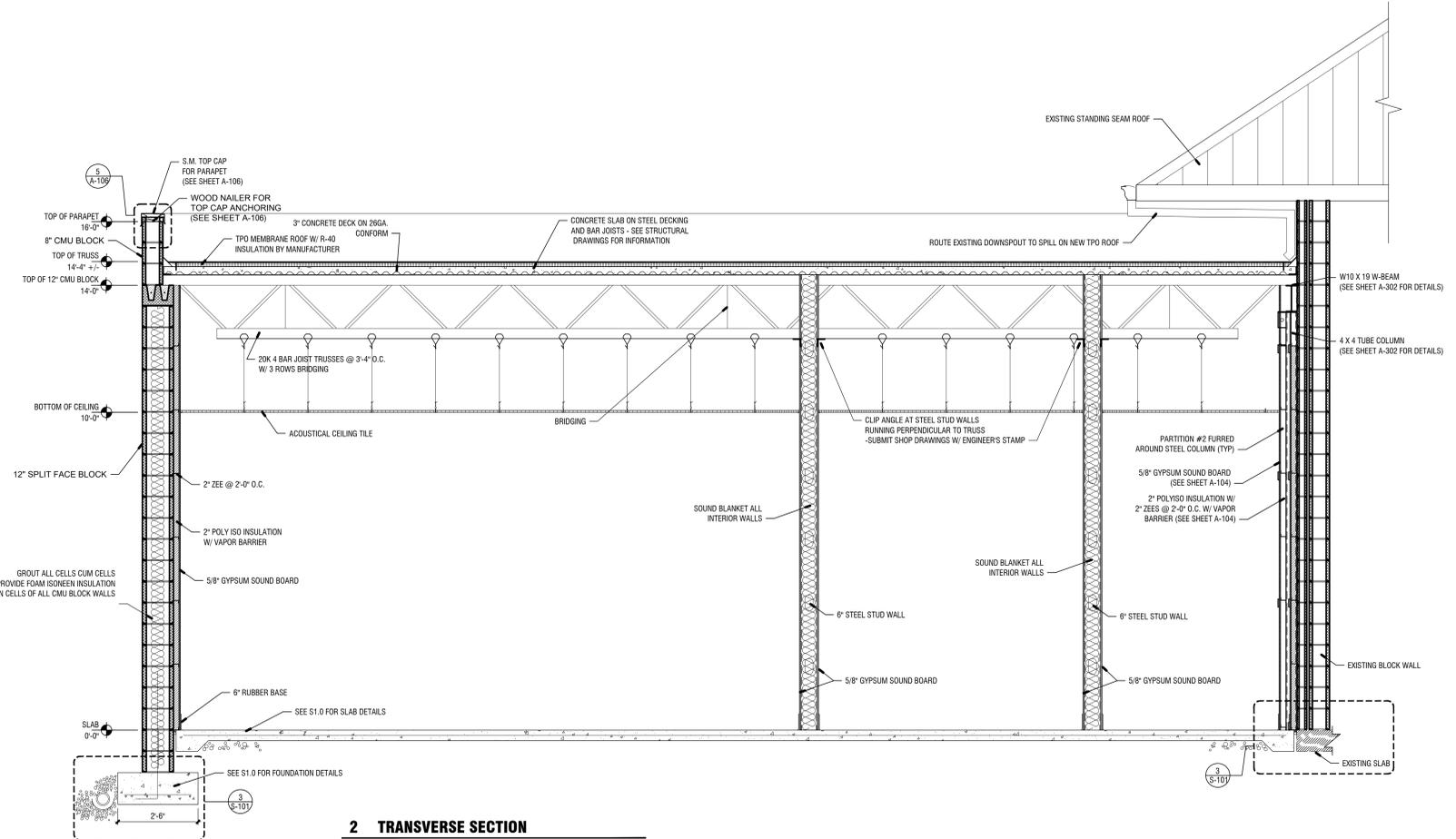
Feb 19 2023 11:58 AM C:\PROJECTS\Oconee County Park Senior Center\Drawings\301 BUILDING SECTIONS.dwg



**3 WALL SECTION**  
3/4" = 1'-0"



**1 LONGITUDINAL SECTION**  
1/2" = 1'-0"

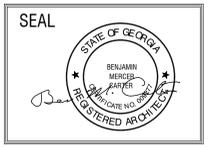


**2 TRANSVERSE SECTION**  
1/2" = 1'-0"

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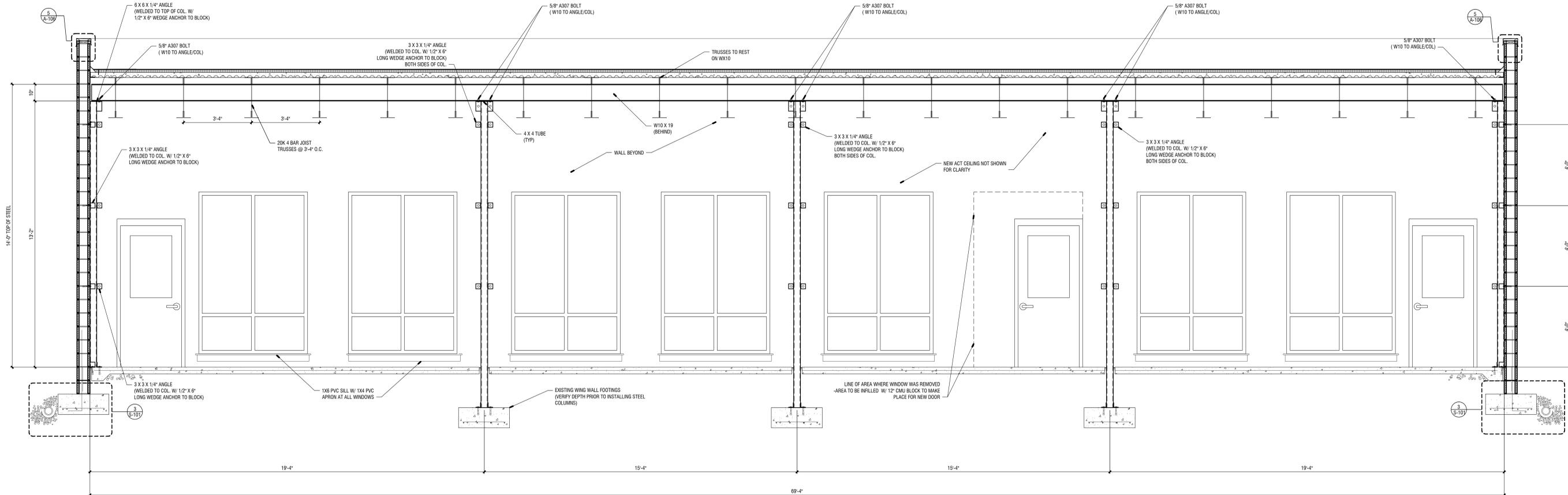
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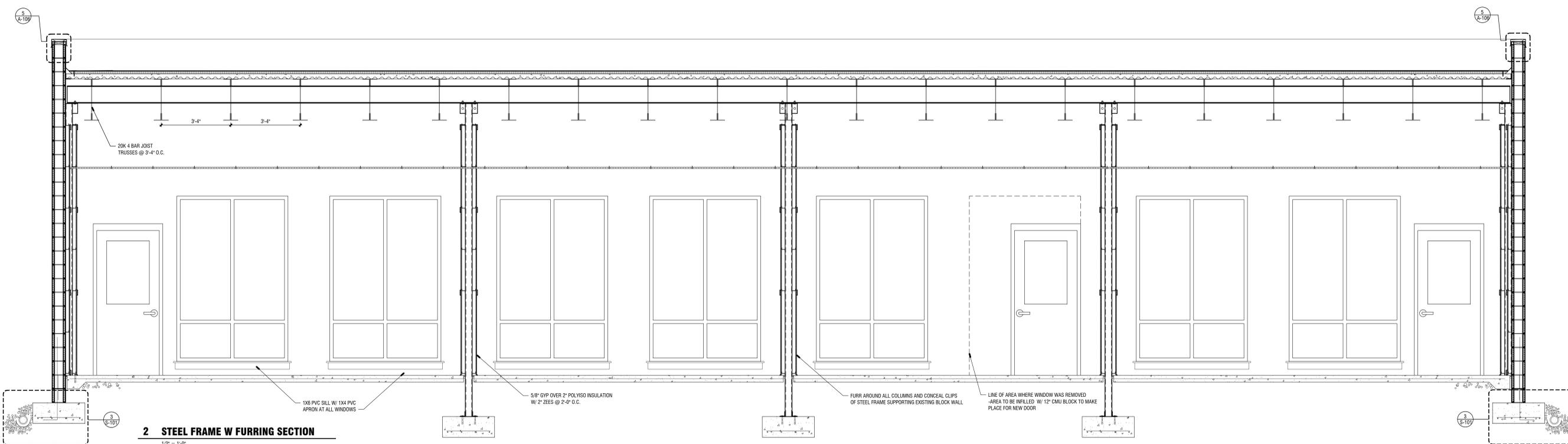
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SHEET TITLE: BUILDING SECTIONS	NUMBER: <b>A-301</b>
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PRINTED DATE: 02/19/21 OCONEE SENIOR



**1 STEEL FRAME WO FURRING SECTION**  
1/2" = 1'-0"



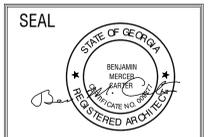
**2 STEEL FRAME W FURRING SECTION**  
1/2" = 1'-0"

Feb 17 2021 11:58 AM C:\PROJECTS\Oconee County Park Senior Center\Sheets\A-302 BUILDING SECTIONS CONT.L.dwg

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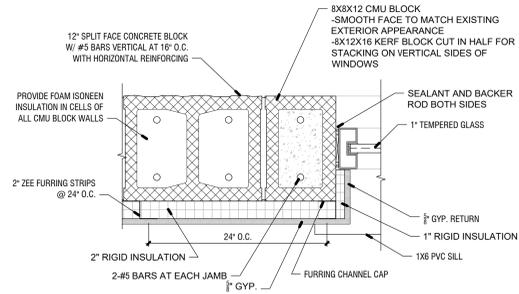
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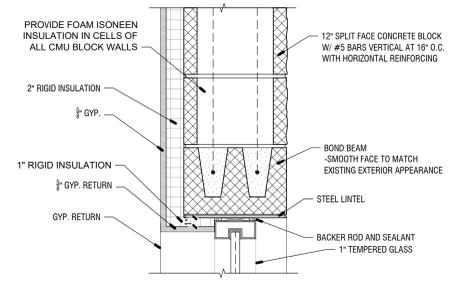


**OCONEE COUNTY PARK SENIOR CENTER**  
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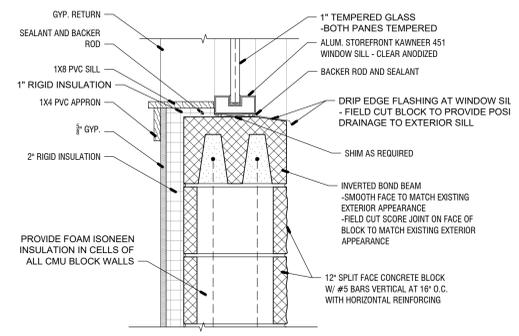
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PRINTED:	



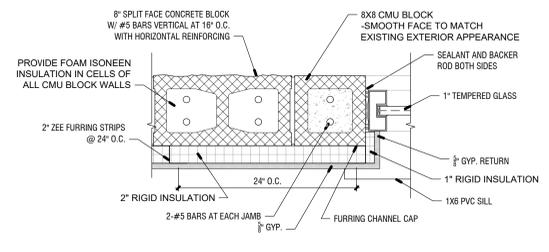
**1 WINDOW JAMB @ 12 INCH CMU WALL**  
1 1/2" = 1'-0"



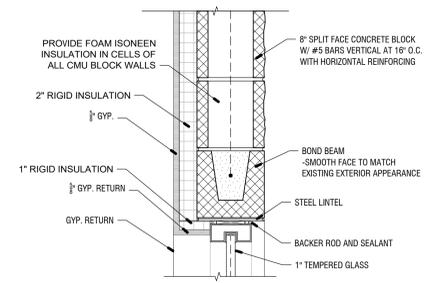
**2 WINDOW HEAD @ 12 INCH CMU WALL**  
1 1/2" = 1'-0"



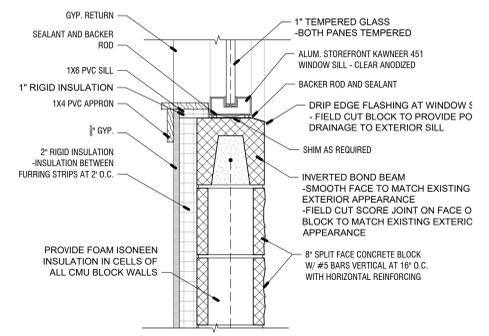
**3 WINDOW SILL @ 12 INCH CMU WALL**  
1 1/2" = 1'-0"



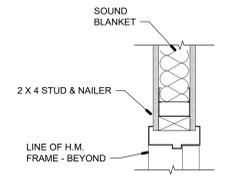
**4 WINDOW JAMB @ 8 INCH CMU WALL**  
1 1/2" = 1'-0"



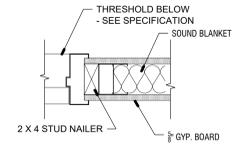
**5 WINDOW HEAD @ 8 INCH CMU WALL**  
1 1/2" = 1'-0"



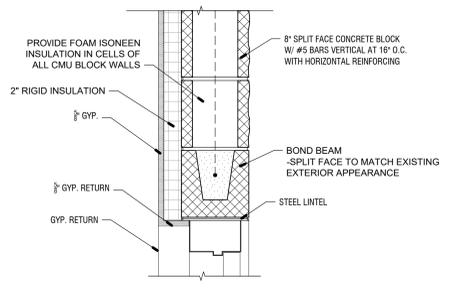
**6 WINDOW SILL @ 8 INCH CMU WALL**  
1 1/2" = 1'-0"



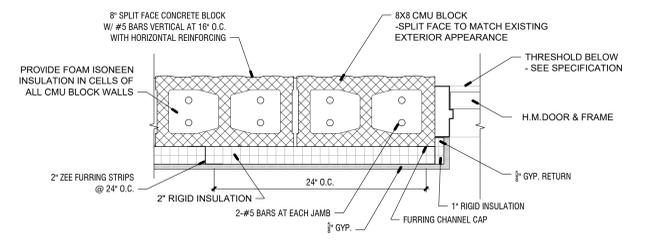
**7 INTERIOR DOOR HEAD**  
1 1/2" = 1'-0"



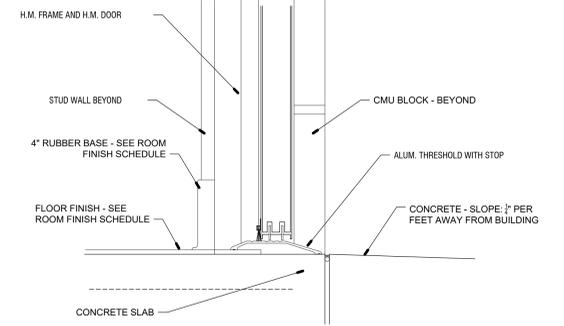
**8 INTERIOR DOOR JAMB**  
1 1/2" = 1'-0"



**9 EXTERIOR DOOR HEAD**  
1 1/2" = 1'-0"



**10 EXTERIOR DOOR JAMB**  
1 1/2" = 1'-0"



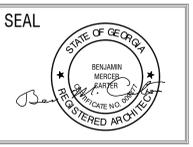
**11 EXTERIOR DOOR THRESHOLD**  
1 1/2" = 1'-0"

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REVISIONS					
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**CARTER WATKINS ASSOCIATES ARCHITECTS, INC.**  
 POST OFFICE BOX 1064  
 137 EAST WASHINGTON STREET  
 MONROE, GEORGIA 30655  
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**OCONEE COUNTY PARK SENIOR CENTER**  
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SHEET TITLE: DOOR & WINDOW DETAILS	NUMBER: <b>A-303</b>
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NOTE:

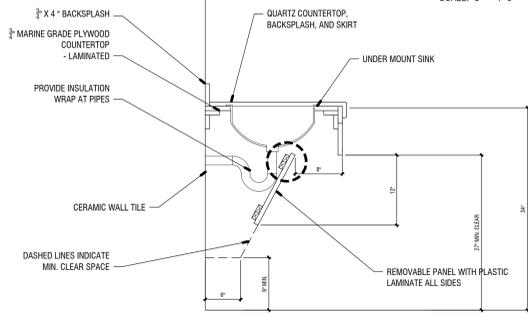
QUARTZ COUNTERTOP, BACKSPLASH, AND SKIRT ONLY IN RESTROOMS.

PLYWOOD PANEL WITH PLASTIC LAMINATE WITH BEVEDED BLOCK ON BACK - LAMINATE

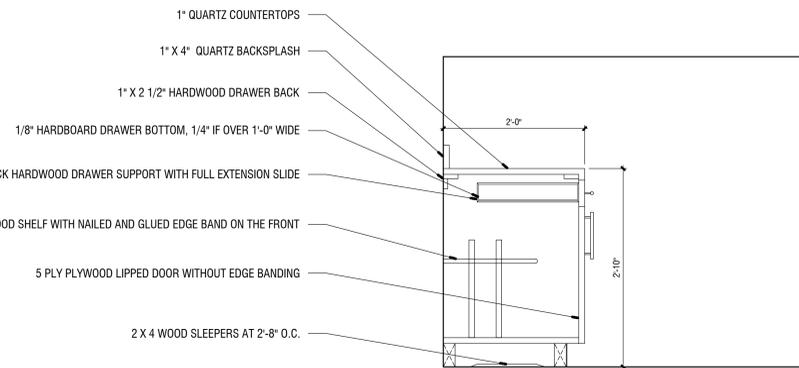


DETAIL

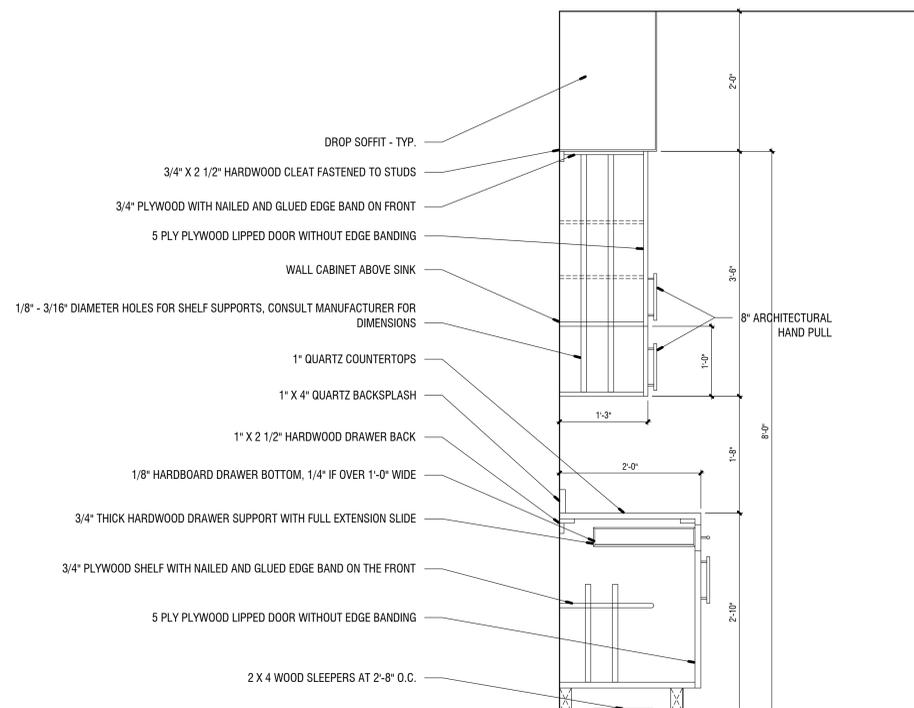
SCALE: 3" = 1'-0"



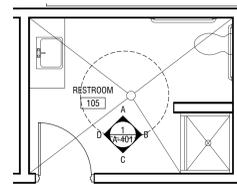
**4 TYP. SINK DETAIL**  
1" = 1'-0"



**5 TYP. COUNTER DETAIL**  
1" = 1'-0"

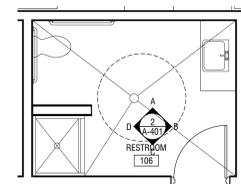
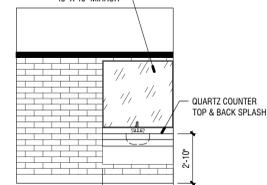
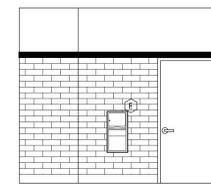
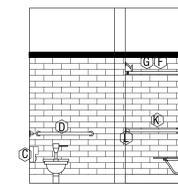
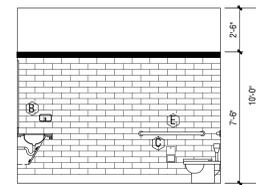


**6 TYP. COUNTER & CABINET DETAIL**  
1" = 1'-0"



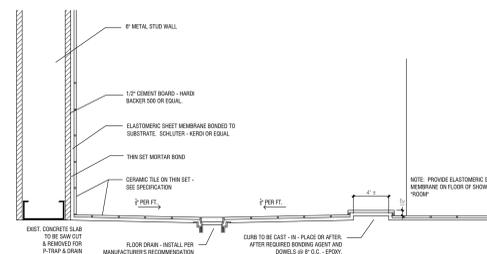
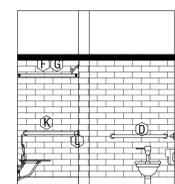
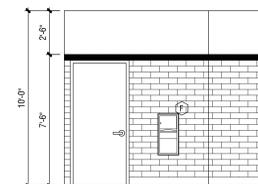
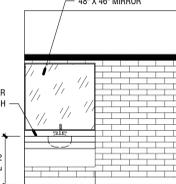
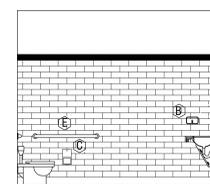
**1 RESTROOM #105**

1/4" = 1'-0"

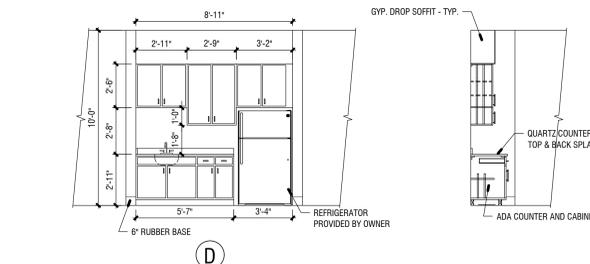
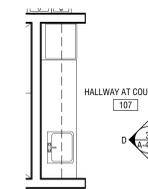


**2 RESTROOM #106**

1/4" = 1'-0"



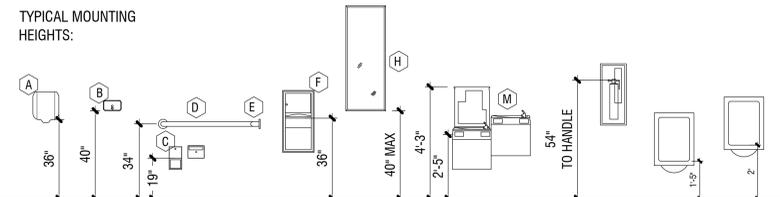
**7 SHOWER DETAIL**  
1 1/2" = 1'-0"



**3 HALLWAY COUNTER #107**

1/4" = 1'-0"

TYPICAL MOUNTING HEIGHTS:



TOILET ACCESSORY NOTES:

- ALL ACCESSORIES SHALL BE CHROME FINISH.
- COORDINATE LOCATION OF ACCESSORIES WITH NECESSARY BLOCKING, ELECTRICAL SWITCH AND WIRING LOCATIONS ETC. TO ENSURE PROPER CLEARANCES AND MOUNTING HEIGHTS. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING.

NOTE: MAINTAIN 30" X 48" CLEAR FLOOR SPACE AT DRINKING FOUNTAINS

TOILET ACCESSORIES

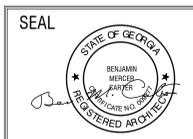
ITEM	DESCRIPTION	MODEL NO.	
A	ELECTRICAL HAND DRYER	ASI-PRODUCT: 0199-1/2/3	36" A.F.F.
B	SOAP DISPENSER	FURNISHED BY OWNER INSTALLED BY G.C.	40" TO SPOUT
C	TOILET TISSUE DISPENSER	FURNISHED BY OWNER INSTALLED BY G.C.	19" TO CENTERLINE
D	42" HANDICAP GRAB BAR NON-SLIP GRIP	ASI - SECURITY SERIES	34" A.F.F.
E	36" HANDICAP GRAB BAR NON-SLIP GRIP	ASI - SECURITY SERIES	34" A.F.F.
F	PAPER TOWEL DISPENSER & DISPOSAL	ASI - MODEL 1204	36" TO TOWEL DISPENSER
G	SHOWER HOOKS & CURTAIN	ASI - MODEL 1200-SHU AND 1200-V	
H	MIRRORS	ASI - MODEL 8287	40" TO BOTTOM
I	HOOKS AND BUMPERS	ASI - MODELS 0751/8425	2 @ EACH SHOWER 60" A.F.F.
J	SHOWER SEAT	ASI - MODEL 0010	18" TO TOP
K	30" HANDICAP GRAB BAR-NON-SLIP GRIP	ASI - SECURITY SERIES	34" A.F.F.
L	24" HANDICAP GRAB BAR-NON-SLIP GRIP	ASI - SECURITY SERIES	34" A.F.F.

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X	00-00-00	N/A			

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Number	Date	Remarks

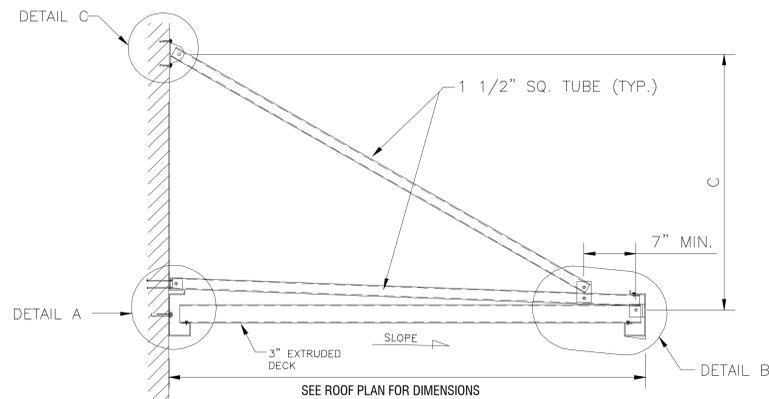
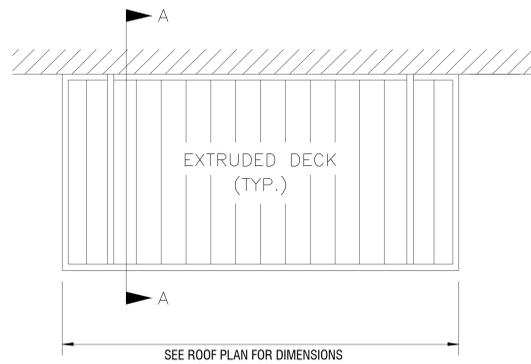
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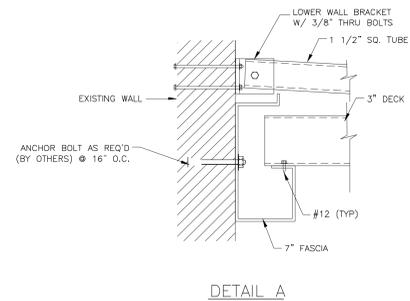
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SHEET TITLE: PROPOSED INTERIOR ELEVATIONS	NUMBER: <b>A-401</b>
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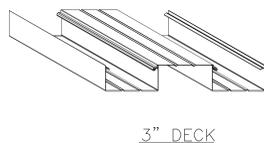
OCONEE SENIOR CENTER PRINTED DATE: 02/17/21



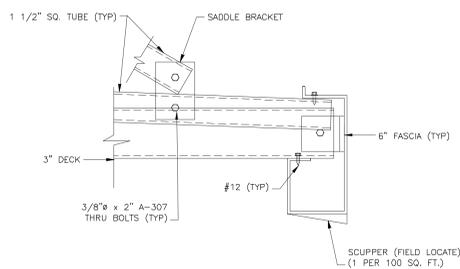
SECTION A-A



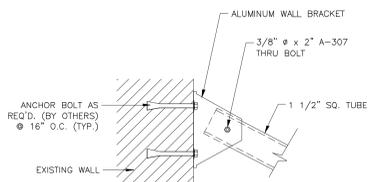
DETAIL A



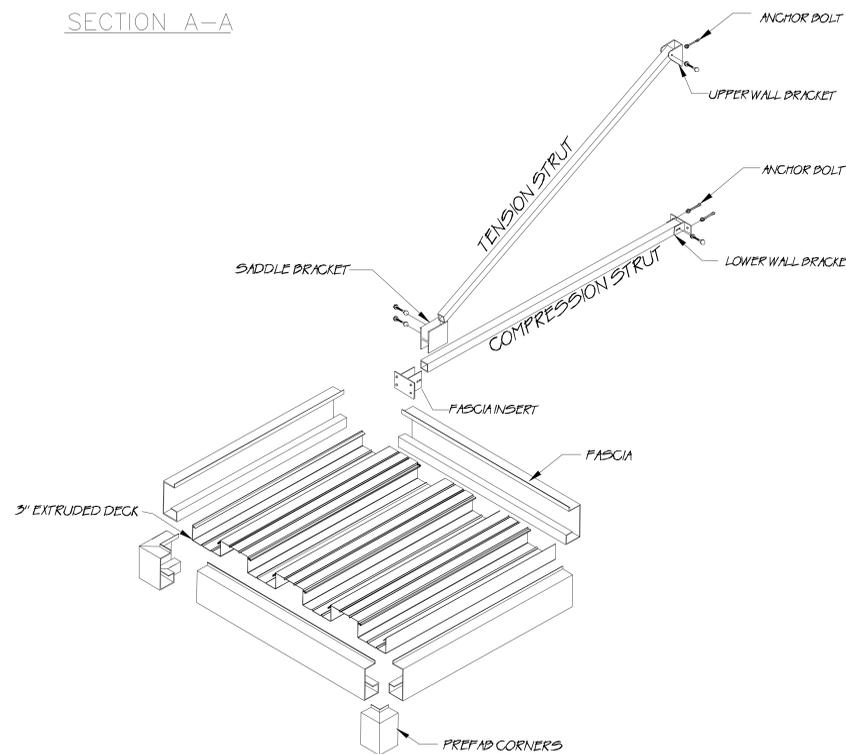
3" DECK



DETAIL B



DETAIL C



**1 WALL HUNG CANOPY**

3/4" - 1'-0"

**GENERAL NOTES:**

- 1) COMPONENT MATERIAL  
 ROOF PANEL: 3" x 6" x .060 DECK EXTRUDED ALUMINUM 6063-T6 ALLOY  
 FASCIA: 6" x 3" x .080" EXTRUDED ALUMINUM 6063-T6 ALLOY  
 HANGERS: 1 1/2" SQUARE TUBE EXTRUDED ALUMINUM TUBE 6063-T6  
 FASTENER: FOR ALL PANELS AND TRIM CONNECTIONS USE #12 x 3/4" SS, HEX HEAD CADMIUM PLATED. PANEL TO BEAM CONNECTIONS TO BE #12 x 3/4" TEK WITH NEOPRENE WASHERS. BOLTS GREATER THAN 1/4" TO BE ASTM A307 STEEL OR EQUAL; GALVANIZED.
- 2) CHECK TO ENSURE DIMENSIONS SHOWN ARE CORRECT WITH FIELD MEASUREMENTS. ONE SET OF APPROVED SHOP DRAWINGS MUST BE RETURNED TO BALLEW'S BUILDING PRODUCTS GROUP PRIOR TO RELEASE OF CANOPY FOR FABRICATION.
- 3) ROOF PANELS MUST BE PITCHED 1/4" PER FOOT MINIMUM.
- 4) THE STRUCTURE IS NOT DESIGNED TO BE ENCLOSED IN ANY WAY. THE STRUCTURE HAS NOT BEEN DESIGNED TO RESIST LATERAL LOADS WHICH WOULD BE IMPOSED BY WIND LOADS ON ENCLOSURE WALL.
- 5) DISSIMILAR METALS MUST BE SEPARATED BY PAINTING WITH BITUMINOUS PAINT OR OTHER ACCEPTABLE COATING OR NEOPRENE GASKET MATERIAL TO PREVENT GALVANIC ACTION.
- 6) IT IS THE RESPONSIBILITY OF OTHERS TO CHECK THE ADEQUACY OF THE EXISTING BUILDING WALLS TO ASSURE THAT IT WILL RESIST IMPOSED LOADS.
- 7) SNOW DRIFT AND/OR SLIDING SNOW LOADS HAVE NOT BEEN TAKEN INTO CONSIDERATION. IF THERE IS ANY CHANCE OF SNOW DRIFT AND/OR SLIDING SNOW LOADS ON THE CANOPY, CUSTOMER WILL HAVE TO PROVIDE REQUIRED INFORMATION (BUILDING DIMENSIONS) TO BALLEW'S BUILDING PRODUCTS AND RETURN DRAWINGS FOR REQUOTE AND REDESIGN.

**NOTES: CANOPY**

1. SUBMIT SHOP DRAWINGS SHOWING ACTUAL AS-BUILT CONDITIONS, DIMENSIONS, CONNECTIONS, FRAMING, ETC. AS REQUIRED FOR EACH NEW CONSTRUCTED CANOPY.
2. SHOP DRAWINGS TO BE STAMPED BY A GEORGIA REGISTERED ENGINEER.
3. PROVIDE FACTORY INSTALLED 3X3 DOWNSPOUTS. SEE ROOF PLAN LOCATIONS.

Feb 17 2021 11:58 AM C:\PROJECTS\Oconee County Park Senior Center\Oconee County Park Senior Center\Sheets\A-402 AWNING DETAILS.rvt

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**CARTER WATKINS ASSOCIATES ARCHITECTS, INC.**  
 POST OFFICE BOX 1064  
 137 EAST WASHINGTON STREET  
 MONROE, GEORGIA 30655  
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SEAL

**OCONEE COUNTY PARK SENIOR CENTER**  
 WATKINSVILLE, GA

SHEET TITLE:  
 AWNING DETAILS

NUMBER:  
**A-402**

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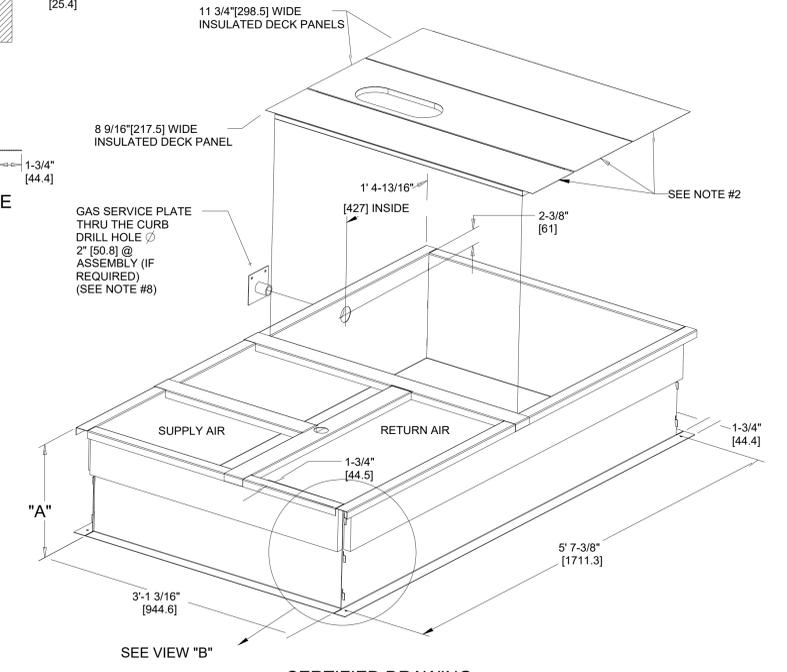
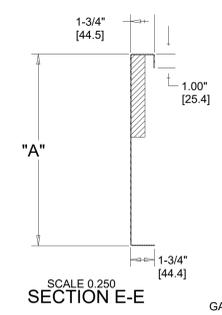
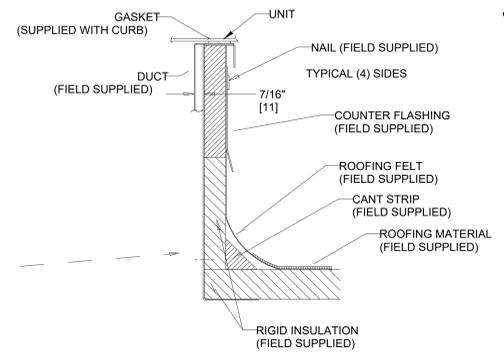
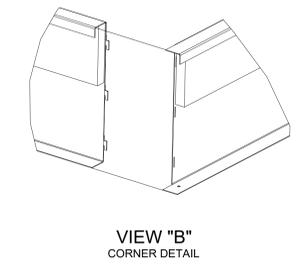
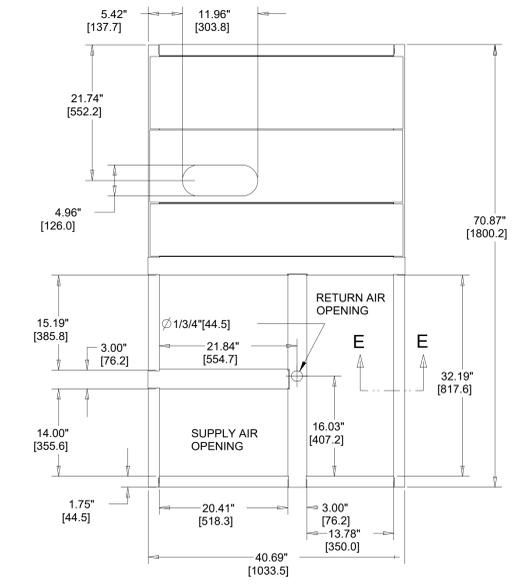


UNIT DIMENSIONAL DRAWING - UNIT SIZE 48TC 07 - ROOF CURB DETAILS

ROOF CURB ACCESSORY #	A
CRRFCURB001A01	14" [356]
CRRFCURB002A01	24" [610]

- NOTES:
1. ROOFCURB ACCESSORY IS SHIPPED DISASSEMBLED.
  2. INSULATED PANELS: 25.4 [1"] THK. POLYURETHANE FOAM, 44.5 [1-3/4] # DENSITY.
  3. DIMENSIONS IN [ ] ARE IN MILLIMETERS.
  4. ROOFCURB: 18 GAGE STEEL.
  5. ATTACH DUCTWORK TO CURB. (FLANGES OF DUCT REST ON CURB).
  6. SERVICE CLEARANCE 4 FEET ON EACH SIDE.
  7. DIRECTION OF AIR FLOW.
  8. CONNECTOR PACKAGE CRBTMPWR001A01 IS FOR THRU-THE-CURB GAS TYPE PACKAGE CRBTMPWR003A01 IS FOR THRU-THE-BOTTOM TYPE GAS CONNECTIONS.

CONNECTOR PKG. ACC.	GAS CONNECTION	GAS FITTING	POWER WIRING FITTING	CONTROL WIRING FITTING	ACCESSORY CONVENIENCE OUTLET WIRING CONNECTOR
CRBTMPWR001A01	THRU THE CURB	3/4" [19] NPT	3/4" [19] NPT	1/2" [12.7] NPT	1/2" [12.7] NPT
CRBTMPWR003A01	THRU THE BOTTOM	1/2" [12.7] NPT			



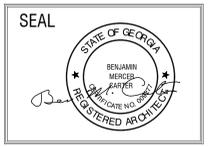
DRAWING RELEASE LEVEL: PRODUCTION		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES ON:		THIS DOCUMENT AND THE INFORMATION CONTAINED THEREIN IS PROPRIETARY TO CARRIER CORPORATION AND SHALL NOT BE USED OR DISCLOSED TO OTHERS, IN WHOLE OR IN PART, WITHOUT THE WRITTEN AUTHORIZATION OF CARRIER CORPORATION.	
THIRD ANGLE PROJECTION		1 DEC	2 DEC	3 DEC	ANG	AUTHORIZATION NUMBER	
MATERIAL	-	±	±	±	±	1041738	
ENGINEERING REQUIREMENTS	T-005, Y-002	ENGINEERING		MANUFACTURING		TITLE	
WEIGHT:	-	DRAFTER		CHECKER		CURB ASY, ROOF (004-007)	
SURFACE FINISH	-	MMC		06/17/11		SIZE	DRAWING NUMBER
MFG/PURCH PURCH	-	MODEL (INTERNAL USE ONLY)		NEXT DRAWING		SCALE	DISTRIBUTION
REV		DATE		BY		CHKD	
A		04/22/13		MMC		-	
OVERALL DIM. 5'-7 3/8" WAS 5'-7 7/8; 18GA MATERIAL WA 16 GA.; NAIL FIELD SUPPLIED WAS WITH CURB		1067898		ECN NO.		-	
REVISION RECORD		DATE		BY		CHKD	
-		-		-		-	

Feb 19 2021 1 T:\SHARED CAD\PROJECTS\Oconee County Park Senior Center\Oconee County Park Senior Center\Sheets\A-403 RAISED CURB DETAILS.dwg

Number	Date	Remarks	Number	Date	Remarks
X	00-00-00	N/A			

CONSULTANTS

**CARTER WATKINS ASSOCIATES ARCHITECTS, INC.**  
 POST OFFICE BOX 1064  
 137 EAST WASHINGTON STREET  
 MONROE, GEORGIA 30655  
 Fax: 770.267-1064  
 email@carterwatkins.com www.carterwatkins.com



**OCONEE COUNTY PARK SENIOR CENTER**  
 WATKINSVILLE, GA

SHEET TITLE:  
 RAISED CURB DETAILS

PRINTED:

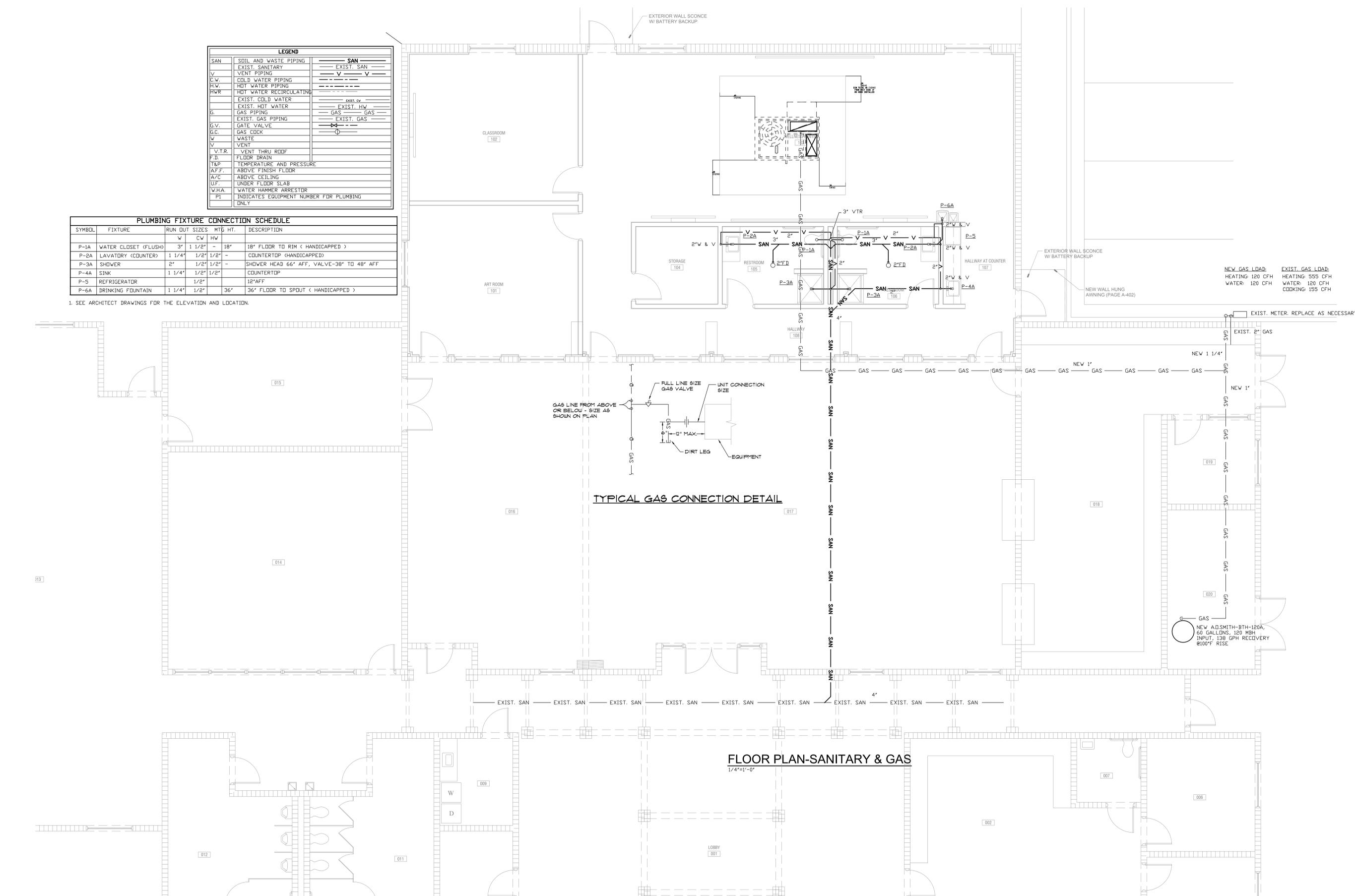
NUMBER:  
**A-403**

PRINTED DATE: 02/19/21 O'CONNOR SENIOR

LEGEND		
SAN	SOIL AND WASTE PIPING	SAN
EX.	EXIST. SANITARY	EX.
V	VENT PIPING	V
C.W.	COLD WATER PIPING	
H.W.	HOT WATER PIPING	
RWR	HOT WATER RECIRCULATING	
EX.	EXIST. COLD WATER	EX.
EX.	EXIST. HOT WATER	EX.
G.	GAS PIPING	GAS
EX.	EXIST. GAS PIPING	EX.
G.V.	GATE VALVE	
G.C.	GAS COCK	
W	WASTE	
V.T.R.	VENT THRU ROOF	
F.D.	FLOOR DRAIN	
T&P	TEMPERATURE AND PRESSURE	
A.F.F.	ABOVE FINISH FLOOR	
A/C	ABOVE CEILING	
U.F.	UNDER FLOOR SLAB	
W.H.A.	WATER HAMMER ARRESTOR	
PI	INDICATES EQUIPMENT NUMBER FOR PLUMBING ONLY	

PLUMBING FIXTURE CONNECTION SCHEDULE					
SYMBOL	FIXTURE	W	CW	HW	DESCRIPTION
P-1A	WATER CLOSET (FLUSH)	3"	1 1/2"	18"	18" FLOOR TO RIM (HANDICAPPED)
P-2A	LAVATORY (COUNTER)	1 1/4"	1/2"	1/2"	COUNTERTOP (HANDICAPPED)
P-3A	SHOWER	2"	1/2"	1/2"	SHOWER HEAD 66" AFF, VALVE=38" TO 48" AFF
P-4A	SINK	1 1/4"	1/2"	1/2"	COUNTERTOP
P-5	REFRIGERATOR		1/2"		12" AFF
P-6A	DRINKING FOUNTAIN	1 1/4"	1/2"	36"	36" FLOOR TO SPOUT (HANDICAPPED)

1. SEE ARCHITECT DRAWINGS FOR THE ELEVATION AND LOCATION.



TYPICAL GAS CONNECTION DETAIL

FLOOR PLAN-SANITARY & GAS  
1/4"=1'-0"

REVISIONS					
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1	02/15/20	CODE OFFICIALS COMMENTS			

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Date Plotted: Feb 18, 2021 - 10:38am  
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**ATLANTA MANAGEMENT AND ENGINEERING CONSULTANTS, INC.**  
2081 LULLWATER PLACE, LAWRENCEVILLE, GA 30043  
EMAIL: AMECT1@GMAIL.COM, TEL: (770)-962-3638

**CARTER WATKINS ASSOCIATES ARCHITECTS, INC.**  
POST OFFICE BOX 1004  
137 EAST WASHINGTON STREET  
MONROE, GEORGIA 30655  
FAX: 770-267-1064  
email@carterwatkins.com www.carterwatkins.com

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REGISTERED PROFESSIONAL ENGINEER  
No. 01533  
State of Georgia  
Carter Watkins

**OCONEE COUNTY PARK SENIOR CENTER**  
WATKINSVILLE, GA

SHEET TITLE:  
FLOOR PLAN -SANITARY & GAS

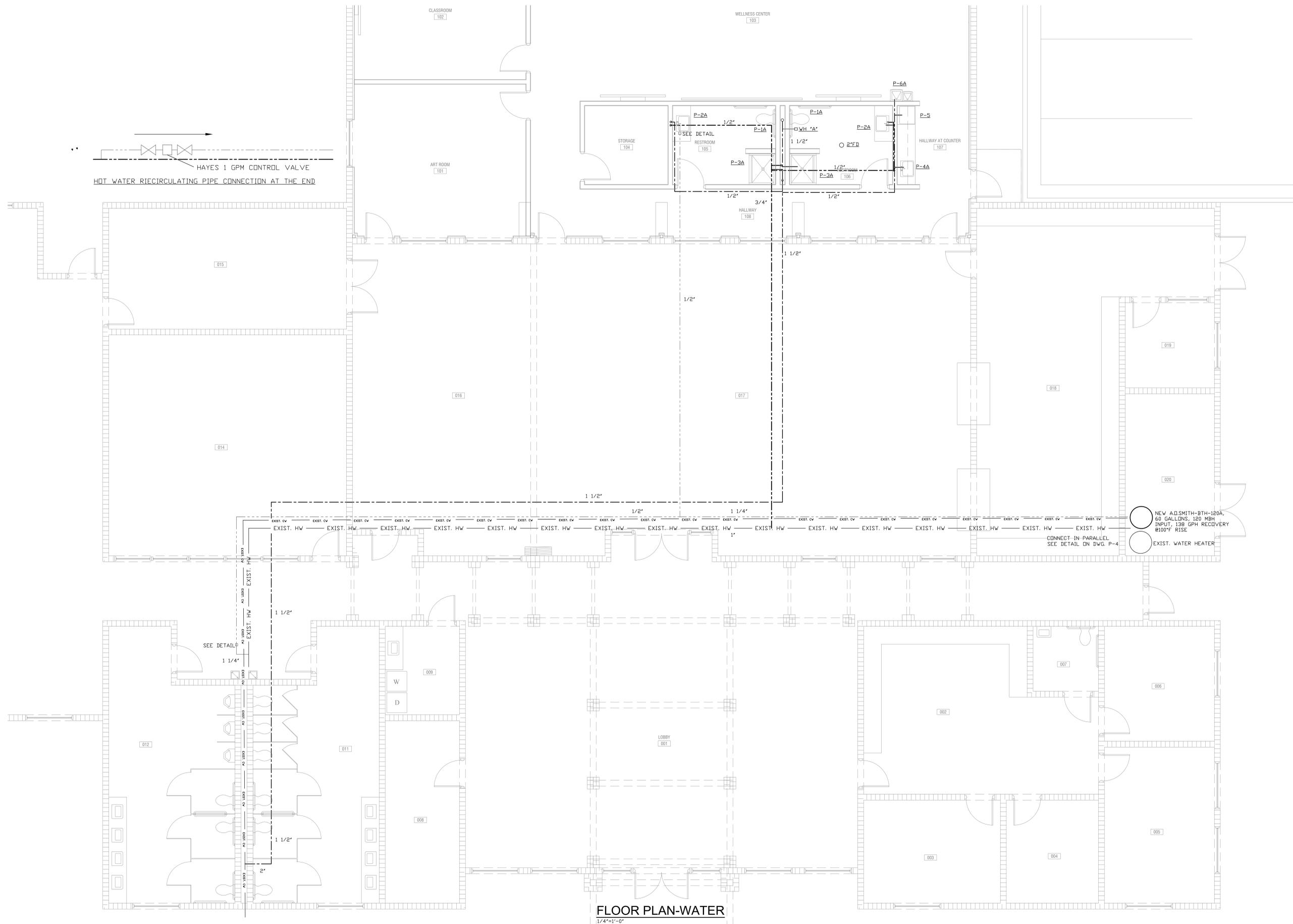
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NUMBER:  
**P-1**

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2081 LULLWATER PLACE, LAWRENCEVILLE, GA 30043  
EMAIL: AMEC11@GMAIL.COM, TEL: (770) 962-3638

**CARTER WATKINS ASSOCIATES ARCHITECTS, INC.**

POST OFFICE BOX 1084  
137 EAST WASHINGTON STREET  
MONROE, GEORGIA 30665  
Fax: 770-267-1064  
email@carterwatkins.com www.carterwatkins.com

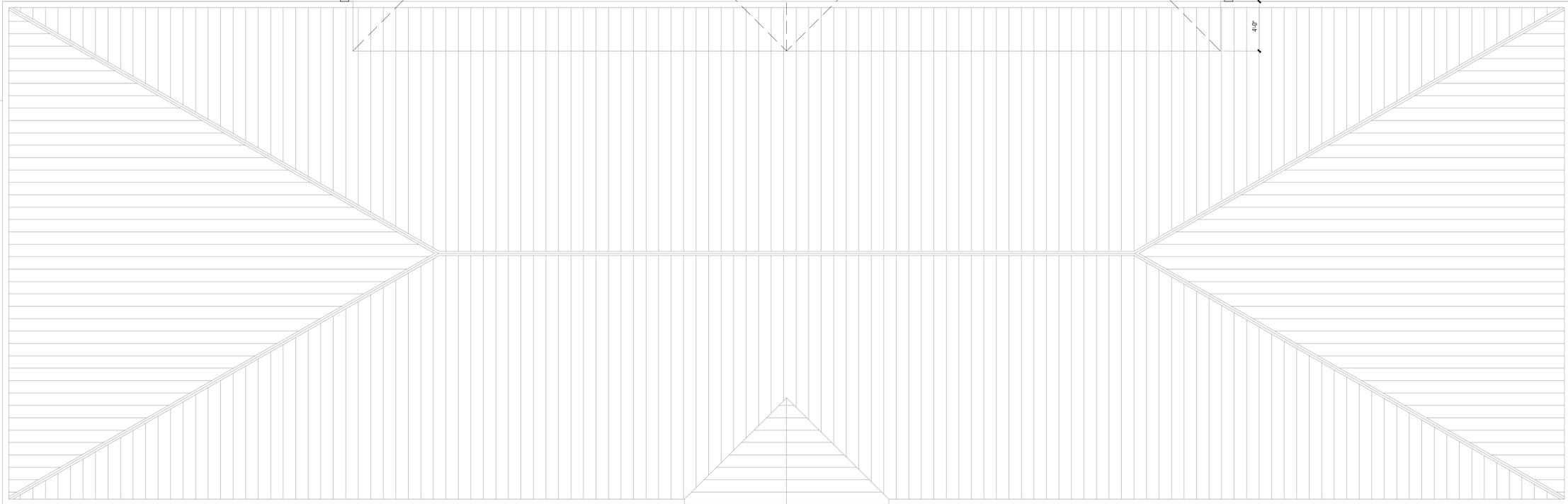
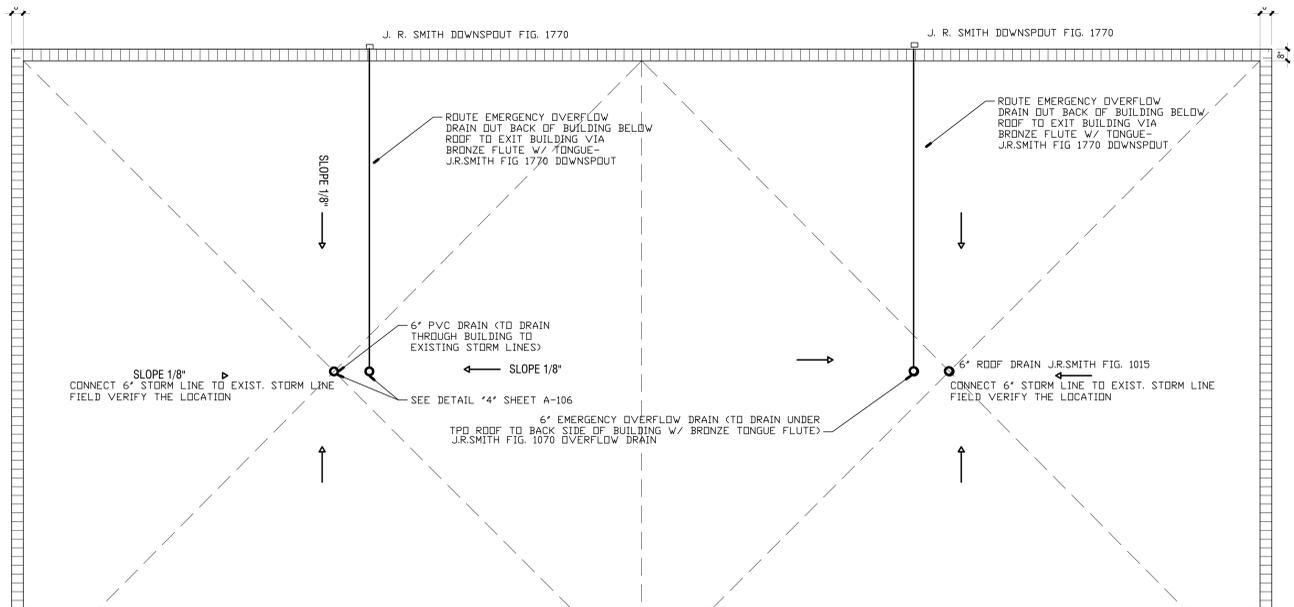
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**OCONEE COUNTY PARK SENIOR CENTER**  
WATKINSVILLE, GA

SHEET TITLE:  
FLOOR PLAN -WATER

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NUMBER:  
**P-2**



**ROOF PLAN-STORM**  
1/4"=1'-0"

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**ATLANTA MANAGEMENT AND ENGINEERING CONSULTANTS, INC.**  
2081 LULLWATER PLACE, LAWRENCEVILLE, GA 30043  
EMAIL: AMECT1@GMAIL.COM, TEL: (770)-962-3638

**CARTER WATKINS ASSOCIATES ARCHITECTS, INC.**  
POST OFFICE BOX 1084  
137 EAST WASHINGTON STREET  
MONROE, GEORGIA 30655  
Fax: 770-267-1064  
email@carterwatkins.com www.carterwatkins.com

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**OCONEE COUNTY PARK SENIOR CENTER**  
WATKINSVILLE, GA

SHEET TITLE:  
FLOOR PLAN -STORM

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NUMBER:  
P-3

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**PLUMBING GENERAL NOTES**

- CONTRACTOR SHALL BRING TO THE ATTENTION OF ARCHITECT ANY CONFLICTS OF WORK PRIOR TO PURCHASE OF EQUIPMENT OR COMMENCEMENT OF WORK.
- CONTRACTOR SHALL VISIT THE JOB SITE AND HAVE A GOOD WORKING KNOWLEDGE AND ACQUAINTANCE OF THE EXISTING JOB SITE AS WELL AS THE CONDITIONS OF THE JOB SITE AND INCLUDE A STATEMENT ON HIS BID THAT HE HAS DONE SO.
- REQUEST FOR PAYMENT FOR ADDITIONAL COSTS DUE TO SITE CONDITIONS WILL NOT BE ALLOWED.
- FURNISH ALL PLAN, LABOR, EQUIPMENT, ( EXCEPT AS OTHERWISE INDICATED AND AGREED UPON ), AND MATERIALS AS INDICATED, AND PERFORM ALL OPERATIONS IN CONNECTION WITH THE INSTALLATION OF A COMPLETE PLUMBING SYSTEM.
- THE WORK UNDER THIS SECTION SHALL COMPLY AS MINIMUM REQUIREMENTS WITH APPLICABLE LAWS, ORDINANCES, CODES, AND REGULATIONS OF THE COUNTY, STATE, AND CITY WHERE INSTALLED. WHERE THE REQUIREMENTS OF THESE SPECIFICATIONS ARE MORE THAN RESTRICTIVE THAN APPLICABLE CODES AND REGULATIONS DESCRIBED ABOVE, THE REQUIREMENTS OF PLANS AND SPECIFICATIONS SHALL BE MET.
- PLUMBING CONTRACTOR SHALL OBTAIN ALL PERMITS AND INSPECTIONS REQUIRED FOR THE INSTALLATION OF THIS WORK AND PAY ALL CHARGES INCIDENT THEREIN. HE SHALL DELIVER TO THE ARCHITECT CERTIFICATES OF SAID INSPECTIONS ISSUED BY PROPER AUTHORITIES. HE SHALL PAY ALL COSTS FOR PERMITS AND INSPECTIONS AS REQUIRED BY GOVERNING AUTHORITY.
- REQUIRED INSURANCE SHALL BE PROVIDED BY THE CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF WORK.
- VERIFY LOCATION, SIZE, INVERTS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION. ADVISE ENGINEER OF ANY DISCREPANCIES.
- FURNISH TWO BROCHURES CONTAINING CATALOG CUTS AND DATA ON PLUMBING FIXTURES, WATER HEATER AND SPECIFY ITEMS, AS WELL AS WARRANTIES AND GUARANTEES PERTAINING THERETO.
- PROTECT ALL PLUMBING EQUIPMENT AND MATERIALS AGAINST DAMAGE. COMPLETED SYSTEM SHALL BE FREE FROM BLOCKAGE, DEBRIS, AND OBSTRUCTIONS.
- PROVIDE THE OWNER WITH A WRITTEN AND CERTIFIED GUARANTEE FOR THE COMPLETED WORK COVERING A PERIOD OF ONE YEAR, STARTING FROM THE DAY OF FINAL ACCEPTANCE BY THE OWNER OF THE COMPLETED AND APPROVED SYSTEMS.
- ELECTRICAL EQUIPMENT SHALL BE FURNISHED AND WIRED FOR THE ELECTRICAL CHARACTERISTICS CALLED FOR IN ELECTRICAL PLANS AND SPECIFICATIONS.
- PROVIDE CHROME PLATED FLOOR, WALL AND CEILING PLATES AT EACH EXPOSED POINT WHERE PIPES PASS THROUGH FLOOR, WALL AND/OR CEILING.
- ALL WATER PIPING AND ALL RELATED VALVES, FITTINGS, AND JOINTS SHALL BE INSULATED WITH 1/2" COLD AND 1" HOT HEAVY DENSITY FIBERGLASS WITH FKS SELF-SEALING LAP
- JOINT JACKET, JOINTS AND FITTINGS SHALL BE DONE IN ACCORDANCE WITH RECOMMENDATIONS OF MANUFACTURER SUPPLYING THE INSULATION. INSULATION MATERIALS, INCLUDING INSULATION CLOTHS, CEMENTS, JACKETS, FACINGS, ADHESIVES, MASTIC, TAPES, AND OTHER ACCESSORIES SHALL HAVE COMPOSITE FIRE AND SMOKE HAZARD RATINGS AS TESTED BY UL. PROCEDURE U1723, NOT EXCEEDING FLAME SPREAD RATING OF 25 AND SMOKE DEVELOPED RATING OF 50. USE OF WATER SOLUBLE TREATMENTS TO ACHIEVE THESE RATINGS IS NOT ACCEPTABLE.
- WATER PIPING BELOW FLOOR SLAB ON EARTH AND OUTSIDE SHALL BE TYPE "L" HARD COPPER WITH WROUGHT COPPER FITTINGS USING LEAD FREE SOLDER JOINTS. PIPE SUBJECT TO CORROSION DUE TO SALTY DIRT SHALL RUN INSIDE THE PVC PIPE JACKET.
- INSIDE WATER PIPING SHALL BE TYPE "M" COPPER WITH WROUGHT COPPER FITTINGS MADE USING LEAD FREE SOLDER JOINTS. PLASTIC WATER PIPE WILL NOT BE APPROVED.
- SOIL, WASTE, AND VENT PIPING SHALL BE SCHEDULE 40 DWV PVC PLASTIC PIPE WITH SOLVENT WELDED JOINTS FOR ALL SOIL, WASTE AND VENT PIPING. PLASTIC PIPE MAY ONLY BE USED IF APPROVED BY PLUMBING AND FIRE CODES. PLASTIC PIPE OR ANY COMBUSTIBLE MATERIAL SHALL NOT BE USED IN THE RETURN AIR CEILING PLENUM.
- NO VENTS OR OTHER PIPES SHALL BE VISIBLE FROM THE FRONT OF THE BUILDING.
- GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL ASTM A53 OR ASTM 106 WITH MALLEABLE IRON SCREWED FITTINGS. ALL PORTIONS OF GAS PIPING UNDERGROUND DR IN FLOOR SLAB SHALL HAVE ASPHALTIC COATING EQUAL TO SOUTHERN V-F-1. GAS PIPING RUN IN CONCRETE FLOOR SLAB SHALL HAVE AT LEAST 2" OF CONCRETE ON ALL SIDES. WALLS OR ENCLOSED SPACES WHERE GAS IS RUN SHALL BE VENTED WITH APPROVED GRILLES, OR CONDUIT TO OUTSIDE.
- FLEXIBLE CONNECTORS SHALL BEAR THE LABEL OF AN APPROVED AGENCY. THE CONNECTORS SHALL BE A MINIMUM OF SIX FEET IN LENGTH.
- GAS PIPING SHALL BE IDENTIFIED AS AN NATURAL GAS PIPING. IDENTIFICATION SHALL BE IN THE FORM OF A TAG, STENCIL OR OTHER PERMANENT MARKING, SPACED AT INTERVALS OF NOT MORE THAN 25 FEET AND NOT LESS THAN ONCE IN ANY ROOM OR SPACE.
- PIPE JOINTS SHALL BE THREADED, FLANGED OR WELDED. JOINT COMPOUND SHALL BE RESISTANT TO THE ACTION OF LIQUIDIFIED PETROLEUM GAS OR TO ANY OTHER CHEMICAL CONSTITUENTS OF THE GAS TO BE CONDUCTED THROUGH THE PIPING.
- JOINTS BETWEEN DIFFERENT METALLIC PIPING MATERIALS SHALL BE MADE WITH APPROVED DIELECTRIC FITTINGS TO ISOLATE ELECTRICALLY ABOVE GROUND PIPING FROM UNDERGROUND PIPING OR TO ISOLATE ELECTRICALLY DIFFERENT METALLIC PIPING MATERIALS JOINED UNDERGROUND.
- CONCEALED GAS PIPING SHALL NOT BE LOCATED IN SOLID PARTITIONS AND SOLID WALLS, UNLESS INSTALLED IN A CHASE OR CASING.
- PORTION OF GAS PIPING SYSTEM INSTALLED IN A CONCEALED LOCATIONS SHALL NOT HAVE UNIONS, TUBING FITTINGS, RIGHT AND LEFT COUPLINGS, BUSHINGS, COMPRESSION COUPLINGS AND SWING JOINTS MADE BY COMBINATIONS OF FITTINGS.
- UNDERGROUND PIPING WHERE INSTALLED BELOW GRADE THROUGH OUTER FOUNDATION OR BASEMENT WALL OF BUILDING, SHALL BE ENCASED IN A PROTECTIVE PIPE SLEEVE. THE ANNULAR SPACE BETWEEN THE GAS PIPING AND THE SLEEVE SHALL BE SEALED.
- PROTECT PIPES WITH SHIELD PLATES AS PER FUEL GAS CODE SECTION 404.5
- ALL GAS PIPING INSTALLED OUTDOOR SHALL BE ELEVATED NOT LESS THAN 3' W/ ABOVE THE GROUND AS PER FUEL GAS CODE SECTION 404.7
- ALL GAS PIPING SHALL BE PROTECTED FROM CORROSION AS PER FUEL GAS CODE SECTION 404.8
- GAS PIPING SHALL BE INSTALLED MINIMUM DEPTH OF 12 INCHES BELOW GRADE.
- GAS PIPING SHALL NOT BE INSTALLED BENEATH BUILDING EXCEPT WHERE PIPING IS ENCASED IN A CONDUIT OF WROUGHT IRON. PLASTIC PIPE OR STEEL PIPE DESIGNED TO WITHSTAND THE SUPERIMPOSED LOADS AS PER FUEL GAS CODE SECTION 404.11
- ALL GAS PIPING SHALL BE INSPECTED, TESTED AND PURGED AS PER FUEL GAS CODE SECTION 406.
- GAS PIPING (OTHER THAN DRY) SHALL BE SLOPED NOT LESS THAN 1/4" PER 15 FEET TO PREVENT TRAP.
- SEDIMENT TRAP IS NOT INCORPORATED AS PART OF THE GAS UTILIZATION EQUIPMENT. A SEDIMENT TRAP SHALL BE INSTALLED DOWNSTREAM OF THE EQUIPMENT SHUT-OFF VALVE AS CLOSE TO THE INLET OF THE EQUIPMENT AS PRACTICAL. SEE FUEL GAS CODE SECTION 408.4
- STEEL GAS PIPING SHALL BE SUPPORTED AT INTERVALS NOT EXCEEDING 6'-0" UP TO 4", 8'-0" UP TO 1", AND 10'-0" LARGER THAN 1".
- PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES AND ALL WATER HAMMER ARRESTERS. ACCESS PANELS IN RATED WALL MUST MAINTAIN THE SAME RATING AND MUST MATCH THE FINISH OF THE WALL IN WHICH IT IS INSTALLED.

- THESE DRAWINGS CONTAIN BOOK TYPE SPECIFICATIONS. THE PLUMBING SECTIONS OF THESE DRAWINGS AND THE SPECIFICATIONS MUST BE READ IN CONJUNCTION WITH EACH OTHER PRIOR TO BID AND CONSTRUCTION OF THIS PROJECT. ALL ARE CONSIDERED ONE DOCUMENT.
- PROVIDE PLUMBING FIXTURES AS INDICATED, COMPLETE WITH EVERYTHING REQUIRED FOR CORRECT OPERATION. THERE SHALL BE NO EXPOSED PLASTIC PIPE OR TRAPS ON ANY PLUMBING FIXTURE. ROUND, FRONT WATER CLOSETS WILL NOT BE APPROVED.
- FIXTURE NUMBERS ARE AMERICAN STANDARD. EQUAL PRODUCTS: CRANE, KOHLER, ELJER, DELTA, SPEAKMAN, ELKAY, CHURCH, BENEKE, BEMIS, SPERZEL, HASLEY TAYLOR, OASIS AND SUNROD.
- CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED BY EVERY APPLICABLE JURISDICTIONS IN THE PERFORMANCE OF THE WORK.
- ALL WORK SHALL MEET THE LOCAL AND STATE, PLUMBING CODE, AND ENERGY CODE.
- CONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE OF EACH ITEM OF EQUIPMENT WITH ELECTRICAL CONTRACTOR BEFORE ORDERING.
- PROVIDE OPERATIONS AND MAINTENANCE MANUALS FOR ALL EQUIPMENT.
- ALL LOW VOLTAGE CONTROL AND INTERLOCK WIRING IS INCLUDED IN THIS DIVISION.
- ALL SANITARY PIPE SHALL BE TERMINATED 10'-0" AWAY FROM ANY FRESH INTAKE.
- WALLS OR ENCLOSED SPACES WHERE GAS IS RUN SHALL BE VENTED WITH APPROVED GRILLES, OR CONDUIT TO OUTSIDE.
- WATER HEATER SHALL HAVE ASME P & T RELIEF VALVE WITH DISCHARGE PIPE TO DRAIN DR 10" ABOVE FINISHED GRADE.
- WATER PIPING RUN IN ATTIC SPACES SHALL BE RUN ON HEATED SIDE OF ATTIC OR CEILING INSULATION. WATER PIPING RUN IN OUTSIDE BUILDING WALLS SHALL BE RUN ON HEATED SIDE OF WALL INSULATION.
- PROVIDE CLEAN-OUTS WHERE INDICATED AND WHERE REQUIRED BY CODE. (75 FT FOR 4" PIPE AND 50 FT. FOR 3" PIPE. CLEAN-OUT COVER PLATES SHALL BE METAL AND HAVE TOP FLUSH WITH FINISHED WALL, FLOOR OR GRADE. WALL CLEAN-OUTS SHALL BE NO HIGHER THAN 12" ABOVE FLOOR, UNLESS OTHERWISE INDICATED. FOR DWV PVC PLASTIC PIPE SYSTEM, USE CLEAN-OUTS MANUFACTURED BY SMITH, JONESPEC, JOSAM, WADE DR ZURN.
- CONTRACTOR IS TO SUPPLY ALL SAFETY EQUIPMENT AND SUPERVISION REQUIRED TO ASSURE A SAFE CONSTRUCTION SITE. CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL SAFETY INSPECTIONS, SUPERVISION, AND COMPLIANCE WITH ALL APPLICABLE LAWS.
- PIPES PASSING THROUGH CONCRETE OR CINDER WALLS AND FLOORS OR OTHER CORROSIIVE MATERIAL SHALL BE PROTECTED AGAINST EXTERNAL CORROSION BY A PROTECTIVE SHEATHING OR WRAPPING OR OTHER MEANS THAT WILL WITHSTAND ANY REACTION FROM LIME AND ACID CONCRETE, CINDER OR OTHER CORROSIIVE MATERIAL. SHEATHING OR WRAPPING SHALL ALLOW FOR EXPANSION AND CONTRACTION OF PIPING TO PREVENT ANY RUBBING ACTION.
- A SOIL OR WASTE PIPE OR BUILDING DRAIN PASSING UNDER A FOOTING OR THROUGH A FOUNDATION WALL, SHALL BE PROVIDED WITH A RELIEVING ARCH, OR THERE SHALL BE BUILT INTO THE MASONRY WALL A PIPE SLEEVE TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH DR AS MAY BE APPROVED IN WRITING BY THE PLUMBING OFFICIAL.
- TRENCHING INSTALLED PARALLEL TO FOOTINGS SHALL NOT EXTEND BELOW THE 45 DEGREE BEARING PLANE OF THE FOOTING OR WALL UNLESS APPROVED BY THE PLUMBING OFFICIAL.
- WHEN CLEAN-OUTS ARE INSIDE THE BUILDING, CLEAN-OUTS SHALL BE ABOVE THE FLOOD LEVEL RIM OF THE FIXTURES THAT THE HORIZONTAL PIPE SERVES WHEN PRACTICAL.
- A SHUT OFF VALVE SHALL BE PROVIDED IN THE COLD WATER SUPPLY TO WATER HEATER AND SHALL BE ACCESSIBLE ON THE SAME FLOOR AND WITHIN 3 FT. OF THE HEATER.
- PROVIDE VACUUM BREAKER OR ANTI-SIPHON AT THE WATER HEATER AS PER CODE.
- UNDERGROUND WATER SERVICE PIPE AND THE BUILDING DRAIN OR BUILDING SEWER SHALL NOT BE LESS THAN 5 FT. APART HORIZONTALLY AND SHALL BE SEPARATED BY UNDISTURBED COMPACT EARTH.
- WATER PIPE SHALL BE DISINFECTED AS PER CODE.
- PIPE PENETRATING A FIRE RATED WALL OR FLOOR SHALL BE SEALED WITH THE FIRESTOP SEALANT.
- CONTRACTOR SHALL DESIGN AND PROVIDE THE FIRE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13. PROVIDE DRY SYSTEM WHERE PIPE IS SUBJECT TO FREEZE.
- CONTRACTOR SHALL PROVIDE THERMAL EXPANSION TANK AT THE DOWNSTREAM OF SHUT-OFF VALVE OF THE INLET OF WATER HEATER.
- HORIZONTAL DRAINAGE PIPING SHOULD BE INSTALLED AT A UNIFORM SLOPE. 3" DIAMETER AND SMALLER PIPE SHALL BE INSTALLED WITH A FALL OF NOT LESS THAN 1/4 INCH PER FOOT. 3" DIAMETER AND LARGER PIPE SHALL BE INSTALLED WITH A FALL OF NOT LESS THAN 1/8 INCH PER FOOT. CONTRACTOR SHALL VERIFY THE INVERT ELEVATION OF PIPING WITH CIVIL PLAN BEFORE INSTALLING THE PIPE. SEE PLUMBING CODE SECTION 704, TABLE 704.1
- PROVIDE THE VACUUM BREAKER AT THE FOLLOWING WATER CONNECTION (SECTION 608.15.4.2)
  - HOSE BIBS
- PROVIDE BACK-FLOW PREVENTER AT THE EQUIPMENT WHICH ARE CONNECTED DIRECTLY TO POTABLE WATER SYSTEM. E.G. COFFEE, ICE, TEA, BEVERAGE MACHINES ETC. AS PER SECTION 608.1 TO 608.17.8
- CONTRACTOR SAW CUT THE FLOOR AS NECESSARY AND RE-PATCH THE FLOOR.
- CONTRACTOR SHALL NOT CHANGE ANY PIPING LAYOUT WITHOUT WRITTEN PERMISSION.
- EXPANSION VALVE IS NOT ACCEPTABLE IN LIEU OF EXPANSION TANK.
- WATER PIPING SHALL NOT BE INSTALLED IN THE ATTIC OR UNHEATED AREA UNLESS OTHERWISE NOTED. IF PIPING IS INSTALLED IN THE ATTIC SPACE, THEN CONTRACTOR SHALL GET APPROVAL FROM THE ENGINEER.
- CONTRACTOR SHALL NOT INSTALL ANY PIPING OR FIXTURES WHICH WILL BE IMPEDIMENT TO THE TRAFFIC.
- DO NOT RUN PIPING OR DUCT-WORK OR LOCATE EQUIPMENT (WITH RESPECT TO SWITCHBOARDS, PANEL BOARDS, POWER PANELS, MOTOR CONTROL CENTERS OR DRY TYPE TRANSFORMERS WITHIN 42" IN FRONT OF EQUIPMENT, OVER EQUIPMENT, OR WITHIN 36" HORIZONTALLY OF SAME SPACE.
- THIS CONTRACTOR SHALL GIVE ALL ELECTRICAL AND MECHANICAL INFORMATION PERTAINING TO PLUMBING EQUIPMENT TO ELECTRICAL AND MECHANICAL CONTRACTORS BEFORE FINAL CONTRACT SO THAT ELECTRICAL AND MECHANICAL CONTRACTOR INCLUDE IN HIS CONTRACT. CONTRACTOR SHALL NOT PURCHASE ANY EQUIPMENT WITHOUT WRITTEN APPROVAL FROM ELECTRICAL AND STRUCTURAL ENGINEERS AND CONTRACTORS.
- ALL WATER PIPES SHALL BE IDENTIFIED WITH PIPE MARKER LABEL WHICH INCLUDE THE CONTENTS OF THE PIPING SYSTEM AND ARROW OF FLOW DIRECTION AS PER PLUMBING CODE SECTION 608.8
- ALL SANITARY AND STORM PIPES SHALL BE IDENTIFIED WITH PIPE MARKER LABEL WHICH INCLUDE THE CONTENTS OF THE PIPING SYSTEM AND ARROW OF FLOW DIRECTION.
- ALL HORIZONTAL STORM SEWER PIPES SHALL BE INSULATED TO PREVENT CONDENSATION.
- CONTRACTOR MUST VERIFY THE LOCATION OF EXISTING SEWER AND GREASE LINE INCLUDING INVERT ELEVATIONS BEFORE RUNNING ANY PIPES. ENGINEER HAS NO MEANS TO VERIFY EXISTING CONDITIONS. LOCATION OF PIPES ON PLAN MAY NOT MATCH WITH SITE.
- DRAINAGE OUTLET SHALL BE RODENTPROOF AS PER PLUMBING CODE SECTION 304.
- ALL PIPES SUPPRT SHALL BE PROTECTED FROM WEATHER. PAINT OR STAINLESS STEEL TO PREVENT CORROSION. SEE SECTION 308.

- CONTRACTOR SHALL PROVIDE TRAP PRIMER TO EACH FLOOR DRAIN UNLESS OTHERWISE NOTED. CONTRACTOR SHALL USE TRAP GRAB DRAIN BY PRD-VENT SYSTEMS (1-800-262-5355, ) IF IT IS PERMITTED BY THE LOCAL CODE OFFICIAL.
- IT IS CONTRACTOR'S RESPONSIBILITY TO REPLACE ANY ITEM OR EQUIPMENT DAMAGED DURING DEMOLITION. ANY ITEM OR EQUIPMENT OR ITEM THAT IS REMOVED TO FACILITATE THE DEMOLITION SHALL BE REINSTALLED BACK TO ITS ORIGINAL CONDITION. PATCH ALL OPENINGS IN FLOOR, WALLS, CEILING MADE IN ADJACENT AREA THAT ARE NOT BEING DEMOLISHED.
- REMOVE ALL HANGERS, SUPPORTS, AND ACCESSORIES ASSOCIATED WITH ITEMS OR EQUIPMENT BEING DEMOLISHED.
- CONTRACTOR SHALL COORDINATE WITH OWNER TO SCHEDULE ANY UTILITIES SHUTDOWNS. PROVIDE TEMPORARY CONNECTIONS AS REQUIRED TO MAINTAIN ALL NECESSARY SERVICES.
- IF REQUIRED, CONTRACTOR SHALL COORDINATE WITH OWNER TO DETERMINE THE SALVAGE VALUE OF DEMOLISHED ITEMS. RECYCLABLE ITEMS WITHOUT SALVAGE VALUE SHALL BE PRESENTED TO RECYCLING FACILITY.

**PLUMBING FIXTURE SCHEDULE**

PROVIDE IN ALL PUBLIC BATHROOM HOSE BIB UNDER THE LAVATORY FOR HOUSEKEEPING PURPOSE.

P-1A	FLOOR MOUNTED WATER CLOSETS (FLUSH VALVE TYPE) (HANDICAP)-BATTERY OPERATED	
FIXTURE	3461.528	*AMERICAN STANDARD* 17" HIGH ELONGATED MADERA FLOWISE 1.28 GPF VITREOUS CHINA. WATER SAVER, SIPHON JET FLUSHING ACTION. 1 1/2" TOP SPUD SUPPLY, BOLTS, AND CAPS. WATER SENSE
SEAT	521/5905.100	*BENEKE/AMERICAN STANDARD* EXTRA HEAVY DUTY SOLID PLASTIC SEAT WITHOUT COVER.
SUPPLY		*AMERICAN STANDARD* SELECTRONIC BATTERY OPERATED FLUSH VALVE. 1.28 GPF
ALTERNATE:		
P-1A	FLOOR MOUNTED WATER CLOSETS (FLUSH VALVE TYPE) (HANDICAP)- AC POWERED	
FIXTURE	3043.712	*AMERICAN STANDARD* 17" HIGH ELONGATED MADERA FLOWISE 1.28 GPF VITREOUS CHINA. WATER SAVER, SIPHON JET FLUSHING ACTION. 1 1/2" TOP SPUD SUPPLY, BOLTS, AND CAPS. WATER SENSE
SEAT	521/5905.100	*BENEKE/AMERICAN STANDARD* EXTRA HEAVY DUTY SOLID PLASTIC SEAT WITHOUT COVER.
SUPPLY	6067.121	*AMERICAN STANDARD* SELECTRONIC AC POWERED FLUSH VALVE. 1.28 GPF
P-2A	20" X 17" COUNTER TOP LAVATORY (HANDICAP)	
FIXTURE	0476.028	*AMERICAN STANDARD* VITROUS CHINA SELF RIMMING WITH MOUNTING KIT, TEMPLATE AND SEALANT COUNTER TOP LAVATORY. FAUCET HOLES ON 4" CENTERS
FAUCETS	6056.202	*AMERICAN STANDARD* INNSBROOK ELECTRONIC FAUCET WITH PROXIMITY OPERATION. VANDAL RESISTANT SOLID BRASS CONSTRUCTION. ONE 6056.202 AC-PLUG IN POWER SUPPLY FEEDS UP TO 15 6057.202 INNSBROOKS W/O POWER. INTEGRAL IN-LINE SOLENOID STRAINER. BUILT-IN CHECKS, FLEXIBLE STAINLESS STEEL 20" INLET HOSE FOR SPOUT CONNECTION SINGLE INLET 3/8 COMPRESSION.
	EQ-A12A-33ABCP	CHICAGO BUILT IN THERMOSTAT
FAUCETS	6053.202	*AMERICAN STANDARD* INNSBROOK ELECTRONIC FAUCET WITH PROXIMITY OPERATION. VANDAL RESISTANT SOLID BRASS CONSTRUCTION. BATTERY OPERATED. 1.5 GPM AERATOR. INTEGRAL IN-LINE SOLENOID STRAINER. BUILT-IN CHECKS, FLEXIBLE STAINLESS STEEL 20" INLET HOSE FOR SPOUT CONNECTION SINGLE INLET 3/8 COMPRESSION.
	EQ-A12A-13ABCP	CHICAGO BUILT IN THERMOSTAT
DRAIN	SG7WC	*EBC* OFFSET DRAIN WITH BRASS PERFORATED GRID DRAIN.
		MCQUIRE 155WC OR PW2125 PRO WRAP FACTORY INSULATED.
TRAP	TA125	*EBC* 1 1/4" P TRAP WITH CAST BRASS NUTS AND CLEANOUTS PLUG.
	8872C	*MCQUIRE*
SUPPLY	VA13 LF165	*EBC*, *MCQUIRE*
		HANDI LAV-GUARD INSULATION KIT.
P-3A	SHOWER	
SHOWER	TILE.	
FAUCET	552HSB	SYMONDS SHOWER/HAND SHOWER SYSTEM WITH SLIDE BAR, VACUUM BREAKER, SHOWER HEAD, HOSE AND 1.5 GPM FLOW RATE RESTRICTOR, AND TEMPTROL VALVE
DRAIN	2010A-02P050-BB	*JAY R. SMITH*
P-4A	19" X 21" X 6 1/2" SINGLE COMPARTMENT BREAKROOM SINK	
FIXTURE	SL-ADA-1921-A-GR	*JUST* SELF RIMMING TYPE STAINLESS STEEL SINGLE COMPARTMENT KITCHEN SINK
FAUCET	J-1174-KS	GOOSENECK SPOUT MIXING FAUCET WITH 4" WRIST BLADE HANDLES
DRAIN	J-ADA-35	STAINLESS STEEL CUP STRAINER WITH REMOVABLE STAINLESS STEEL BASKET. BASKET HAS RUBBER SEAT STOPPER. 1 1/2" OD CHROME PLATED BRASS OFFSET TAILPIECE.
SUPPLY	VA13 LF165	*EBC*, *MCQUIRE*
		CONTRACTOR SHALL NOT PURCHASE SINK WITHOUT VERIFYING WITH CABINET MANUFACTURER AND ARCHITECT. MAKE SURE THAT SINK WILL FIT INTO CABINET COUNTERTOP.
P-5	REFRIGERATOR	
DATLEY	39186	DATLEY ICE MAKER BOX
P-6A	DRINKING FOUNTAIN WITH BOTTLE	
FIXTURE	E2STLVBSSK	ELKAY STAINLESS STEEL REFRIGERATED DRINKING FOUNTAIN WITH BOTTLE FILLER, 370 WATTS, 115/1/60
DRAIN	J-ADA-35	STAINLESS STEEL CUP STRAINER WITH REMOVABLE STAINLESS STEEL BASKET. BASKET HAS RUBBER SEAT STOPPER. 1 1/2" OD CHROME PLATED BRASS OFFSET TAILPIECE.
SUPPLY	VA13 LF165	*EBC*, *MCQUIRE*

**CD-EXPOSED CLEANOUT-UNFINISHED AREAS:**

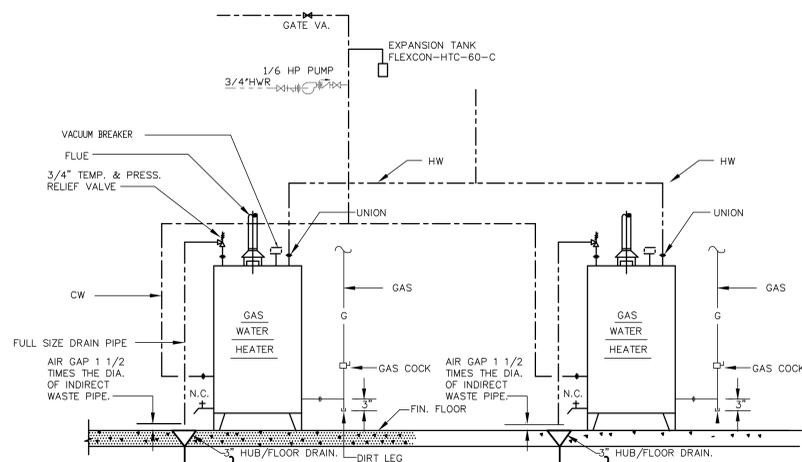
JAY R. SMITH FIG. 4470/MIFAB C1430 CAST BRONZE COUNTERSINK PLUG WITH SLOT TO RECEIVE 1/2" THICK STEEL BAR STOPK.

**WCD-WALL CLEANOUT - FINISHED AREAS:**

JAY R. SMITH FIG. 4436/MIFAB C1450-R-1 CAST IRON FERRULE FOR NO HUB DR SERVICE WEIGHT PIPE. NICKEL BRONZE ROUND FRAME AND COVER WITH SECURING SCREWS.

**FCO-CONCRETE FLOORS:**

JAY R. SMITH FIG. 4238L/MIFAB C1100-XR-P-4 CAST IRON CLEANOUT WITH GASKET SEAL, THREADED PLUG FOR EASY REMOVAL, ADJUSTABLE ROUND CAST IRON TOP WITH SECURING SCREWS. SPEEDI -SET OUTLET CONNECTION.



**WATER HEATERS DETAIL**

SCALE: NONE

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Number	Date	Remarks
1	02/15/20	CODE OFFICIALS COMMENTS

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**ATLANTA MANAGEMENT AND ENGINEERING CONSULTANTS, INC.**

2081 LULU WATER PLACE, LAWRENCEVILLE, GA 30043  
 PHONE: 770-962-3638 FAX: 770-962-3638  
 email@carterwatkins.com www.carterwatkins.com

**CARTER WATKINS ASSOCIATES ARCHITECTS, INC.**

POST OFFICE BOX 1084  
 137 EAST WASHINGTON STREET  
 MONROE, GEORGIA 30655  
 Fax: 770-267-1064  
 email@carterwatkins.com www.carterwatkins.com



**OCONEE COUNTY PARK SENIOR CENTER**

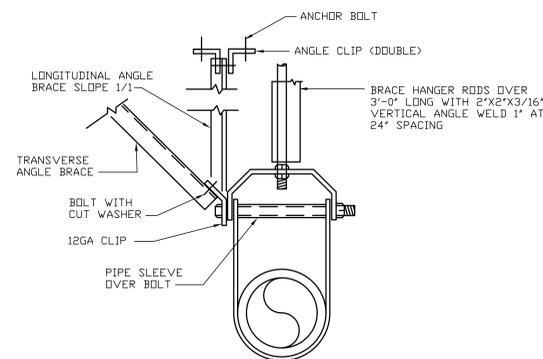
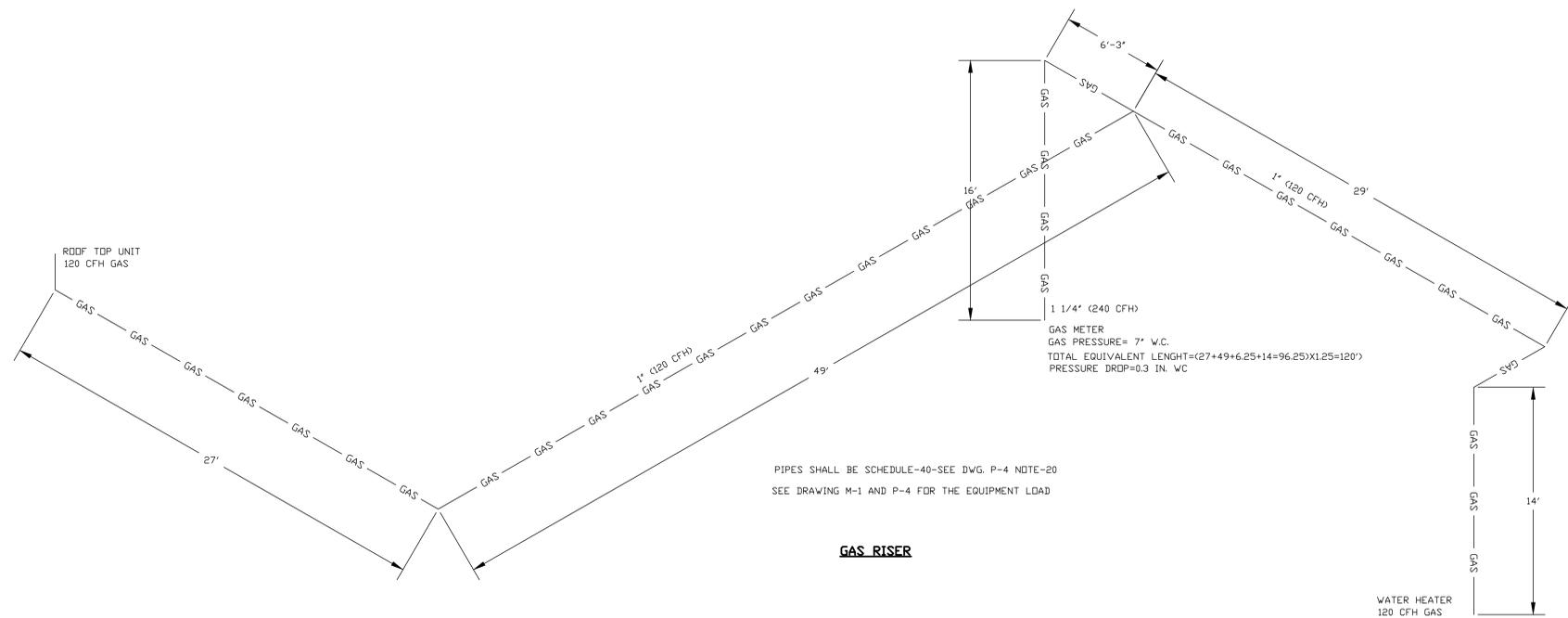
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SHEET TITLE:  
 PLUMBING GENERAL NOTES  
 SCHEDULE, WATER HEATER DETAIL

NUMBER:  
**P-4**

PRINTED: 02/18/21

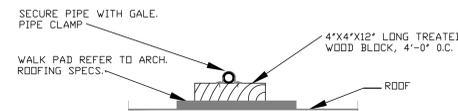
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**TYPICAL SEISMIC BRACING FOR PIPE**

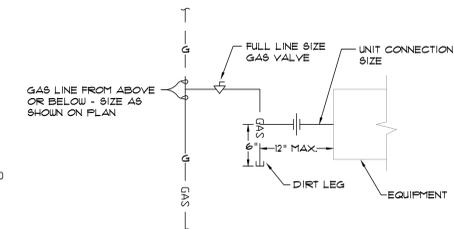
PIPE SIZE	*ANGLE BRACE	BOLT TO ANGLE CLIP	ANGLE CLIP	ANCHOR BOLT OR INSERT
1" & 1 1/4"	2"x2" 16GA	3/8"	3"x3"x1/4"	3/8"

\*1 5/8x1 5/8 GA CHANNEL MAY BE USED.  
PIPES MORE THAN 12" FROM SUPPORT MEMBER.



**TYPICAL PIPE ON ROOF**

N.T.S.



**TYPICAL GAS CONNECTION DETAIL**

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1	02/15/20	CODE OFFICIALS COMMENTS			

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**ATLANTA MANAGEMENT AND ENGINEERING CONSULTANTS, INC.**  
2081 LULLWATER PLACE, LAWRENCEVILLE, GA 30043  
EMAIL: AMECT1@GMAIL.COM, TEL: (770) 962-3638

**CARTER WATKINS ASSOCIATES ARCHITECTS, INC.**  
POST OFFICE BOX 1004  
137 EAST WASHINGTON STREET  
MONROE, GEORGIA 30665  
Fax: 770-267-1064  
email@carterwatkins.com www.carterwatkins.com

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**OCONEE COUNTY PARK SENIOR CENTER**  
WATKINSVILLE, GA

SHEET TITLE:  
**GAS RISER & DETAILS**

PRINTED: 02/18/21

NUMBER:  
**P-5**

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NAME	AREA	OCCUPANCY TYPE	Rp	Ra	OCCUPANT DENSITY	OUTSIDE AIR	PERSON
sq. ft.	CFM/PERSON	AREA OUTDOOR RATE	person/1000 sq. ft.				
ART ROOM 101	335	Art CLASSROOM	10.00	0.18	20.00	127.3	6.7
WELLNESS CENTER	949	MULTI USE ASSEMBLY	7.50	0.06	100.00	768.69	94.9
STORAGE 104	83	OCCUPIABLE STORAGE ROOMS FOR LIQ	5.00	0.12	2.00	10.79	0.166
HALLWAY	735	CORRIDORS	0.00	0.06	0.00	44.1	0
CLASSROOM 102	328	CLASSROOMS-AGE9 PLUS	10.00	0.12	35.00	154.16	11.48

**KEY NOTES:**

1. RETURN AIR DUCT PLENUM FULL SIZE OF UNIT CONNECTION.
2. CONNECT 8" TOILET EXHAUST DUCT TO FAN.
3. 10" TOILET EXHAUST DUCT UP THROUGH ROOF.
4. CARBON DIOXIDE SENSOR ON RETURN AIR SHALL MODULATE OUTSIDE AIR MOTORIZED DAMPER.
5. MAINTAIN CLEARANCES AROUND AND BETWEEN UNITS AS RECOMMENDED BY MANUFACTURER.

**CONTROL SEQUENCE:** Honeywell zoning system.

**Zone damper:**

**Cooling:**

- a. On a call for cooling and a room temperature rise, a normally open zone damper shall modulate to open.
- b. On a call for cooling and temperature drop, a normally open zone damper shall modulate to close.

**Heating:**

- a. On a call for heating and a room temperature drop, a normally open zone damper shall modulate to open.
- b. On a call for heating and a room temperature rise, a normally open zone damper shall modulate to close.

**By-pass damper:**

- a. On a rise of supply air static pressure, by-pass damper shall open to maintain set point static pressure.

**Discharge air temperature sensor:**

- a. Turn-off units when the air temperature sensor set point is exceeded.

**FAN SCHEDULE**

MARK	CFM	EXP.SP	RPM	T.S.	SDNES	H.P.	MANUFACTURER	MODEL #	ROOF OPENING	WEIGHT	REMARKS
EF-1	190	0.25	770	1360	1.6	1/12	PENN	ZBS	-	-	1,2

1. SPEED CONTROLLER.
2. CEILING MOUNTED WITH BACKDRAFT DAMPER.

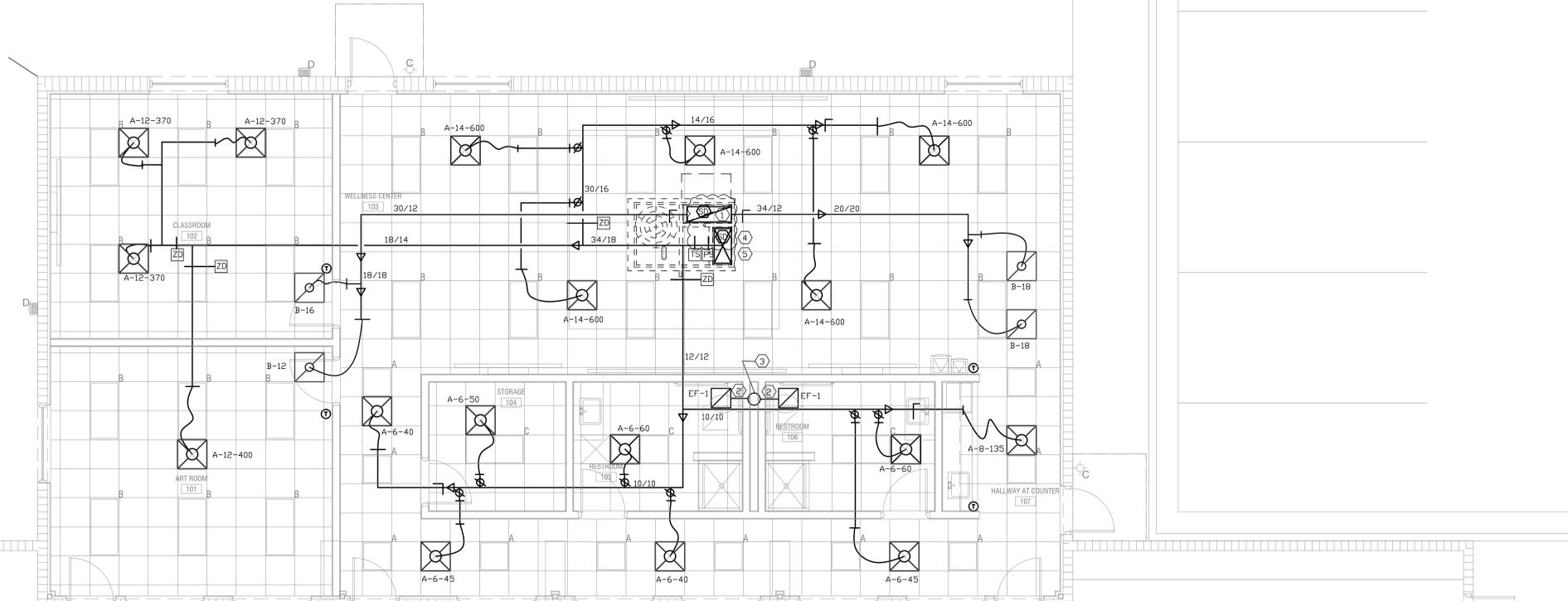
**AIR DISTRIBUTION SCHEDULE**

MARK	DESCRIPTION	KRUEGER MODEL	TITUS	PANEL SIZE	REMARKS
A	NAILDR "4320" PERFORATED SUPPLY AIR CEILING DIFFUSER.	6604	PAS	24X24	1,2,3
B	NAILDR "SIEC" EGGRATE 1/2"X1/2"X1/2" GRID RETURN AIR GRILLE.	EGG5	SOP	24X24	1

1. STEEL FINISH AND BORDER SHALL MATCH CEILING. SEE ARCHITECT DRAWING FOR THE TYPE OF CEILING.
2. MANUAL VOLUME DAMPER.
3. FACTORY INSULATED DIFFUSER AT UNCONDITIONED AREA OR NO RETURN AIR PLENUM.

MARK	NET COOLING CAPACITY		HEATING CAPACITY		FAN DATA		MANUFACTURER	MODEL	D.A.	SEER/EER	AFUE	WEIGHT	VOLTS	MCA	BRKR	REMARKS	
	TOTAL BTU/HR	SENSIBLE BTU/HR	INPUT BTU/HR	OUTPUT BTU/HR	CFM	SP HP											
RTU-1	150,000	108,500	120,000	98,000	5000	0.75	5	CARRIER	48TCE14HM2W6	1100	11/12.20	81.6%	1270#	480/3/60	35	45/3	1,2,3,4,5,6,7,8

1. CRANKCASE HEATER, THERMAL EXPANSION VALVE, FILTER/DRIER, HIGH PRESSURE SWITCH, LOW PRESSURE SWITCH, SERVICE VALVE, ROOF CURB, COMPRESSOR START TIME DELAY, OUTDOOR AIR SECTION.
2. CAPACITY BASED ON 80°F DB 67°F WB, ENTERING AIR TEMPERATURE AND 95°F EA TEMP.
3. LOW AMBIENT KIT.
4. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS.
5. VERTICAL SUPPLY DISCHARGE.
6. HINGED ACCESS PANEL.
7. ENTHALPY ECONOMIZER WITH BAROMETRIC RELIEF.
8. TWO STAGE COOLING WITH HUMIDIFIER, RETURN AND SUPPLY AIR SMOKE DETECTOR AND CARBON DIOXIDE, VFD MOTOR WITH NON-FUSED DISCONNECT, POWER CONVENIENCE OUTLET



**FLOOR PLAN-HVAC**  
1/4"=1'-0"

**LEGEND**

- D CONDENSATE DRAIN
- EX EXHAUST AIR
- FD FIRE DAMPER WITH ACCESS PANEL
- SA SUPPLY AIR
- RA RETURN AIR
- T THERMOSTAT (PROGRAMMABLE)-TWO STAGE
- SD SMOKE DETECTOR IN SUPPLY AIR DUCT AS PER GA. AMENDMENTS 606.2.1
- A-B-100 CFM NECK SIZE AIR DISTRIBUTION DEVICE SEE SCHEDULE.
- SPIN IN FITTING WITH MANUAL VOLUME DAMPER
- MVD MANUAL VOLUME DAMPER
- CONTINUOUS LINE INDICATES NEW DUCTWORK
- DIAGONAL LINE IN ELBOW INDICATES TURNING VANES
- ZD ZONE DAMPER
- TS DUCT TEMPERATURE SENSOR
- SP DUCT STATIC PRESSURE SENSOR
- BD BYPASS DAMPER
- M MOTORIZED DAMPER

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**CONSULTANTS**

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**ATLANTA MANAGEMENT AND ENGINEERING CONSULTANTS, INC.**  
2081 LULU WATER PLACE, LAWRENCEVILLE, GA 30043  
EMAIL: AMECT1@GMAIL.COM, TEL: (770)-962-3638

**CARTER WATKINS ASSOCIATES ARCHITECTS, INC.**

POST OFFICE BOX 1084  
137 EAST WASHINGTON STREET  
MONROE, GEORGIA 30665  
Fax: 770-267-1064  
email@carterwatkins.com www.carterwatkins.com

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REGISTERED PROFESSIONAL ENGINEER  
No. 01532  
State of Georgia  
Carter Watkins

**OCONEE COUNTY PARK SENIOR CENTER**  
WATKINSVILLE, GA

SHEET TITLE:  
FLOOR PLAN - HVAC  
LEGENDS, SCHEDULES, NOTES  
PRINTED: 02/18/21

NUMBER:  
**M-1**

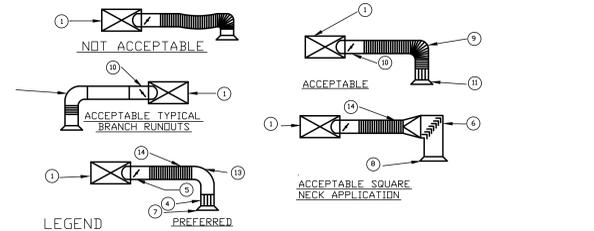
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OCONEE SENIOR PRINTED DATE: 02/18/21

**HVAC GENERAL NOTES**

1. CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ARCHITECT ANY CONFLICTS OF WORK PRIOR TO PURCHASE OF EQUIPMENT OR COMMENCEMENT OF WORK. CONTRACTOR SHALL NOT FABRICATE ANY DUCTWORK WITHOUT COORDINATING WITH OTHER DISCIPLINES AND VERIFYING CLEARANCE FOR THE DUCTWORK.
2. NO EQUIPMENT SHALL BE VISIBLE FROM THE FRONT.
3. CHECK FLOOR JOIST FOR DUCT SPACING.
4. CONTRACTOR SHALL VISIT THE JOB SITE AND HAVE A GOOD WORKING KNOWLEDGE AND ACQUAINTANCE OF THE EXISTING JOB SITE AS WELL AS THE CONDITIONS OF THE JOB SITE AND INCLUDE A STATEMENT ON HIS BID THAT HE HAS DONE SO.
5. DEVIATIONS FROM MATERIAL, METHODS, AND PROCEDURES SET FORTH HEREIN MUST BE APPROVED IN WRITING WITH EQUIPMENT AND INSTALLATION SUBMITTALS.
6. CONTRACTOR SHALL REVIEW STRUCTURAL, ELECTRICAL, AND ARCHITECTURAL DRAWINGS BEFORE FABRICATING OR INSTALLING DUCTWORK OR EQUIPMENT TO AVOID ANY CONFLICTS.
7. REQUEST FOR PAYMENT FOR ADDITIONAL COST DUE TO SITE CONDITIONS WILL NOT BE ALLOWED.
8. ALL DUCT DIMENSIONS ARE INSIDE CLEAR
9. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED BY EVERY APPLICABLE JURISDICTION FOR THE PERFORMANCE OF THE WORK.
10. ALL WORK SHALL MEET THE LOCAL AND STATE, HEATING AND AIR-CONDITIONING, AND ENERGY CODES.
11. SHEET METAL DUCTWORK SHALL BE GALVANIZED STEEL SHEETS OF THICKNESS AS RECOMMENDED, CONSTRUCTED AND DETAILED IN THE LATEST SMACNA CONSTRUCTION STANDARDS. NO FIBERGLASS DUCTWORK SHALL BE USED.
12. ON DUCTWORK SIZES; FIRST DIMENSION GIVEN IS SIDE SHOWN.
13. DUCT TURNS MAY BE ROUND OR SQUARE. ROUND ELBOWS SHALL HAVE INSIDE RADIUS NOT LESS THAN DUCT WIDTH. SQUARE ELBOWS SHALL HAVE SINGLE THICKNESS WALL TURNING VANES.
14. SUPPLY, RETURN, AND OUTSIDE AIR INTAKE DUCTWORK SHALL BE INSULATED WITH 2 INCH THICK BLANKET, TYPE 75 WITH REINFORCED FOIL FACE VAPOR BARRIER, U. L. LISTED. (SEE STANDARD MECHANICAL AND ENERGY CODE). ANY AIR SUPPLYING EQUIPMENT (GRILLES, DIFFUSER, REGISTERS, AHU, AND OTHERS) LOCATED IN A NON-AIR-CONDITIONING AREA AND WHICH ARE SUBJECT TO FORM CONDENSATION ON THE SURFACE SHALL BE INSULATED. ALL SUPPLY AND RETURN DUCTS AND FLEXUM SHALL BE INSULATED WITH A MINIMUM OF R-5 INSULATION WHEN LOCATED IN UNCONDITIONED SPACES.
15. CONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE OF EACH EQUIPMENT WITH ELECTRICAL CONTRACTOR BEFORE ORDERING.
16. SYSTEM SHALL BE AIR BALANCED.
17. FLEX DUCT SHALL NOT EXCEED 8'-0" IN LENGTH. FINAL 4'-0" (INCLUDING THE ELBOW AT THE DIFFUSER), TO DIFFUSER SHALL BE GALVANIZED DUCT. FLEX DUCT SHALL BE USED ONLY ON LAY-IN CEILING.
18. ALL ROUND DUCT SHALL BE PROPERLY WRAPPED, TAPED AND SUPPORTED SO AS TO REDUCE NOISE AND VIBRATION.
19. PROVIDE OPERATIONS AND MAINTENANCE MANUALS FOR ALL EQUIPMENT.
20. ALL LOW VOLTAGE ( 24 VOLTS AND BELOW ) CONTROL AND INTERLOCK WIRING IS INCLUDED IN THIS DIVISION.
21. SMOKE DETECTORS SHALL BE PROVIDED AT ALL EQUIPMENT SUPPLYING OR EXHAUSTING GREATER THAN 2000 CFM OR SERVING MEANS OF EGRESS (CORRIDOR) IN THE RETURN DUCT (CORRIDOR) PRIOR TO OUTDOOR AIR CONNECTIONS (MC-2006) AND SUPPLY AIR DUCT (Gg. Amendments)
22. THE SMOKE DETECTOR ACTIVATION SHALL CAUSE A VISUAL AND AN AUDIBLE SIGNAL IN A NORMALLY OCCUPIED AREA, AND SMOKE DETECTOR TROUBLE CONDITIONS SHALL BE INDICATED VISUALLY OR AUDIBLY IN A NORMALLY OCCUPIED AREA AND SHALL BE IDENTIFIED AS AIR DUCT DETECTOR TROUBLE. (COORDINATE WITH FIRE ALARM CONTRACTOR). CONTRACTOR SHALL PROVIDE AND INSTALL SMOKE DETECTORS UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL AND FIRE ALARM CONTRACTOR FOR THE TYPE OF SMOKE DETECTOR.
23. EACH AIR DISTRIBUTION SYSTEM SHALL BE PROVIDED WITH NOT LESS THAN ONE MANUALLY OPERABLE MEANS TO STOP THE OPERATION OF SUPPLY, RETURN, AND EXHAUST FANS IN AN EMERGENCY. THE MEANS OF MANUAL OPERATION SHALL BE LOCATED AT AN APPROVED LOCATION.
24. AIR-CONDITIONING UNITS SHALL HAVE FACTORY INSTALLED VIBRATION ( INTERNAL ) ISOLATORS.
25. DIFFUSERS ARE TO BE CONNECTED TO DUCTWORK WITH SPIN-IN FITTING EXTRACTOR AND MANUAL VOLUME DAMPER. EXACT LOCATION OF ALL DIFFUSERS TO BE COORDINATED WITH LIGHTING LAYOUT AND REFLECTED CEILING PLAN.
26. AIRFOIL SHAPED SPLITTER DAMPER IS REQUIRED AT EACH DUCT SPLIT WHERE ANY DUCT DIMENSION EXCEEDS 8". PROVIDE LOCKING QUADRANT.
27. ADJUSTABLE, MULTI-BLADE EXTRACTOR SHALL BE REQUIRED AT EACH BRANCH DUCT TAKEOFF WHERE NO OTHER PROVISION HAS BEEN MADE TO DIVERT THE AIR.
28. CONTRACTOR SHALL COORDINATE WITH OTHER DISCIPLINES AND CHECK CLEARANCES TO PREVENT ANY CONFLICTS.
29. PROVIDE REGISTERS AND GRILLES THAT MATCH MOUNTING SURFACE FINISHES AS APPROVED BY THE ARCHITECT.
30. COORDINATE GRILLE AND DIFFUSER LOCATIONS WITH REFLECTED CEILING PLAN.
31. FLEXIBLE DUCT SHALL BE THERMAFLEX M-KC. (SEE LOCAL AND STANDARD MECHANICAL CODE).
32. MOUNT ALL THERMOSTATS AT 4'-6" AFF.(TOP)
33. PROVIDE SEVEN-DAY (5-1-1) DAY PROGRAMMABLE THERMOSTATS SINGLE/TWO STAGE HEAT-OFF-COOL-AUTO OR AS APPROVED BY ARCHITECT. CONTRACTOR SHALL MAKE SURE THAT THESE THERMOSTAT ARE COMPATIBLE WITH THE ROOF TOP UNIT AND ZONE DAMPER CONTROL SYSTEM.
34. BRANCH DUCT FROM MAIN TO THE DIFFUSER SHALL BE SAME SIZE OF DIFFUSER NECK CONNECTION UNLESS OTHERWISE NOTED.
35. AIR SHALL BE BALANCED BY A CERTIFIED INDEPENDENT BALANCING CONTRACTOR NOT AFFILIATED WITH TENANT'S MECHANICAL CONTRACTOR. CONTRACTOR SHALL PROVIDE SIX COPIES OF CERTIFIED BALANCING REPORT TO THE OWNER.
36. FRESH AIR INTAKES SHALL NOT BE TAKEN FROM A LOCATION CLOSER THAN 10'-0" FROM ANY SANITARY SEWER VENT OUTLET OR FLUE OR ANY EXHAUST AIR OUTLET, UNLESS SUCH OUTLET IS NOT LESS THAN 24 INCH ABOVE THE FRESH AIR INLET AND SHALL COMPLY LOCAL AND STANDARD MECHANICAL CODE.
37. CONTRACTOR SHALL EXTEND THE CONDENSATE DRAIN FROM THE UNIT TO THE NEAREST ROOF DRAIN.
38. DRAWINGS INDICATE LOCATIONS OF FIXTURES, APPARATUS, DUCTWORK AND PIPING, AND WHILE THESE ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE, IF IT IS NECESSARY TO CHANGE THE LOCATION OF SAME TO ACCOMMODATE BUILDING CONDITIONS, MAKE CHANGES WITHOUT ADDITIONAL COST TO THE OWNER AND AS APPROVED BY THE ARCHITECT.
39. PROVIDE ACCESS TO EQUIPMENT AND APPARATUS REQUIRING OPERATION SERVICE OR MAINTENANCE WITHIN THE LIFE OF THE SYSTEM.
40. DO NOT RUN PIPING OR DUCTWORK OR LOCATE EQUIPMENT (WITH RESPECT TO SWITCHBOARDS, PANEL BOARDS, POWER PANELS, MOTOR CONTROL CENTERS OR DRY TYPE TRANSFORMERS WITHIN 42" IN FRONT OF EQUIPMENT, OVER EQUIPMENT, OR WITHIN 36" HORIZONTALLY OF SAME SPACE.

39. PROVIDE ACCESS TO EQUIPMENT AND APPARATUS REQUIRING OPERATION SERVICE OR MAINTENANCE WITHIN THE LIFE OF THE SYSTEM.
40. DO NOT RUN PIPING OR DUCTWORK OR LOCATE EQUIPMENT (WITH RESPECT TO SWITCHBOARDS, PANEL BOARDS, POWER PANELS, MOTOR CONTROL CENTERS OR DRY TYPE TRANSFORMERS WITHIN 42" IN FRONT OF EQUIPMENT, OVER EQUIPMENT, OR WITHIN 36" HORIZONTALLY OF SAME SPACE.
41. ALL MATERIALS AND EQUIPMENT SHALL FIT THE SPACE AVAILABLE, WITH MANUFACTURER'S RECOMMENDED CLEARANCE FOR ACCESS.
42. SCHEDULED FAN STATIC PRESSURES ARE ESTIMATED. PROVIDE AND ADJUST DRIVES TO DELIVER SCHEDULED AIR QUANTITIES AGAINST ACTUAL SYSTEM RESISTANCE. CONTRACTOR SHALL MAKE CHANGES TO SHEAVES, BELTS, VALVES, AND DAMPERS OR PROVIDE ADDITIONAL DAMPERS REQUIRED TO PROVIDE AIR QUANTITIES SHOWN ON THE DRAWINGS.
43. PROVIDE LABELS FOR EACH EQUIPMENT. LABELS TO BE ENGRAVED LAMINATED BAKELITE NAMEPLATES WITH 1/4" HIGH WHITE CUT LETTERS; SECURE TO EQUIPMENT.
44. DIMENSIONS, CONNECTIONS, AND INSTALLATION DETAILS OF EQUIPMENT SUPPLIED BY SEVERAL ACCEPTABLE MANUFACTURERS MAY VARY. CONTRACTOR SHALL BE FULLY RESPONSIBLE OF COMPLIANCE WITH REQUIREMENTS OF PLANS AND SPECIFICATION FOR ANY SUBSTITUTE EQUIPMENT.
45. CONTRACTOR SHALL NOT FABRICATE ANY DUCT WORK WITHOUT COORDINATING WITH OTHER DISCIPLINE AND VERIFYING THE CLEARANCE ABOVE THE CEILING.
46. ACCEPTABLE MANUFACTURERS: TRANE, CARRIER, LENNOX, YORK, TITUS, KRUEGER, PENN, ACFM, COOK.
47. CONTRACTOR SHALL SUBMIT EQUIPMENT DATA FOR APPROVAL.
48. START-UP OF MECHANICAL SYSTEMS SHOULD INCLUDE TEMPORARY FILTERS TO ELIMINATE CONSTRUCTION DUST AND DEBRIS, AND A SYSTEM FLUSHING WITH MAXIMUM OUTSIDE AIR INTAKE FOR AN EXTENDED PERIOD TO DISSIPATE CHEMICALS DISCHARGED FROM BUILDING MATERIALS AND PRODUCTS. INSTALL PERMANENT FILTERS PRIOR TO BUILDING OCCUPANCY BY OWNER. PROVIDE INSTALLATION AND START-UP CERTIFICATION FROM MAJOR EQUIPMENT MANUFACTURERS.
49. FLUE FOR WATER HEATER SHALL BE INSTALLED BY MECHANICAL CONTRACTOR UNLESS OTHERWISE NOTED. SEE PLUMBING DRAWINGS.
50. BACK SIDE OF (NON-AIR-CONDITIONING SIDE) SUPPLY DIFFUSER INCLUDING FLANGE SITTING ON METAL CEILING GRID SHALL BE INSULATED TO PREVENT CONDENSATION. INSULATION SHALL BE ADHERE TO DIFFUSER TO PREVENT ANY AIR MOVEMENT BETWEEN DIFFUSER AND INSULATION. INSULATION IS NOT REQUIRED IF CEILING IS USED AS A RETURN AIR FLENUM.
51. THIS CONTRACTOR SHALL GIVE ALL ELECTRICAL INFORMATION (INCLUDING VOLTAGES, AMPS, PHASE) PERTAINING TO MECHANICAL EQUIPMENT TO ELECTRICAL CONTRACTOR BEFORE FINAL CONTRACT SO THAT ELECTRICAL CONTRACTOR INCLUDES IN HIS CONTRACT. CONTRACTOR SHALL GET APPROVAL FROM ELECTRICAL CONTRACTOR BEFORE ORDERING EQUIPMENT.
52. MOUNTING FRAME OF CEILING MOUNTED AIR DISTRIBUTION DEVICES SHALL BE COMPATIBLE WITH CEILING TYPE.
53. FLEXIBLE DUCT RUN-OUTS TO DIFFUSERS SHALL BE INSTALLED FREE OF KINKS AND SAGS.
54. PROVIDE MANUAL VOLUME DAMPER IN OUTSIDE AIR INTAKE DUCT AT RETURN AIR DUCT CONNECTION AND IN RETURN AIR DUCT TO BALANCE OUTSIDE AIR AND RETURN AIR REGARDLESS WHETHER IT IS SHOWN ON PLANS OR NOT.
55. CONTRACTOR SHALL NOT PURCHASE ANY EQUIPMENT WITHOUT WRITTEN APPROVAL OF MECHANICAL, ELECTRICAL, AND STRUCTURAL ENGINEER. ARCHITECT AND ENGINEER MAY NOT HAVE CO-ORDINATED FINAL EQUIPMENT DATA.
56. GUARD SHALL BE PROVIDED WHERE APPLIANCES, EQUIPMENT, FANS OR OTHER COMPONENTS THAT REQUIRE SERVICE AND ROOF HATCH OPENINGS ARE LOCATED WITHIN 10'-0" OF A ROOF EDGE OR OPEN SIDE WALKING SURFACE AND SUCH EDGE OR OPEN SIDE IS LOCATED WITHIN 30 INCHES ABOVE THE FLOOR, ROOF OR GRADE BELOW. THE GUARD SHALL EXTEND NOT LESS THAN 30 INCHES BEYOND EACH END OF SUCH APPLIANCES, EQUIPMENT, FANS OR OTHER COMPONENTS AND ROOF HATCH OPENINGS AND TOP OF THE ROOF GUARD SHALL BE LOCATED LESS THAN 42 INCHES ABOVE THE ELEVATED SURFACE ADJACENT TO THE GUARD. THE GUARD SHALL BE CONSTRUCTED SO AS TO PREVENT THE PASSAGE OF A 21 INCH DIAMETER SPHERE AND SHALL COMPLY WITH THE LOADING REQUIREMENTS FOR GUARDS AS SPECIFIED IN THE INTERNATIONAL BUILDING CODE. SEE SECTION 304.10 OF MECHANICAL CODE.



**TYPICAL FLEXIBLE DUCT CONNECTIONS**  
NO SCALE

Feb 18, 2021 1:00:00 PM C:\2020-02-08-occonee park senior\0201-0201.dwg

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**ATLANTA MANAGEMENT AND ENGINEERING CONSULTANTS, INC.**

2081 LULLWATER PLACE, LAWRENCEVILLE, GA, 30043  
PHONE: 770-962-3638  
FAX: 770-962-3638

**CARTER WATKINS ASSOCIATES ARCHITECTS, INC.**

POST OFFICE BOX 1064  
137 EAST WASHINGTON STREET  
MONROE, GEORGIA 30655  
Fax: 770-267-1064  
email@carterwatkins.com www.carterwatkins.com



**OCONEE COUNTY PARK SENIOR CENTER**

**WATKINSVILLE, GA**

SHEET TITLE:  
HVAC GENERAL NOTES  
DETAILS

PRINTED: 02/18/21

NUMBER:  
**M-2**

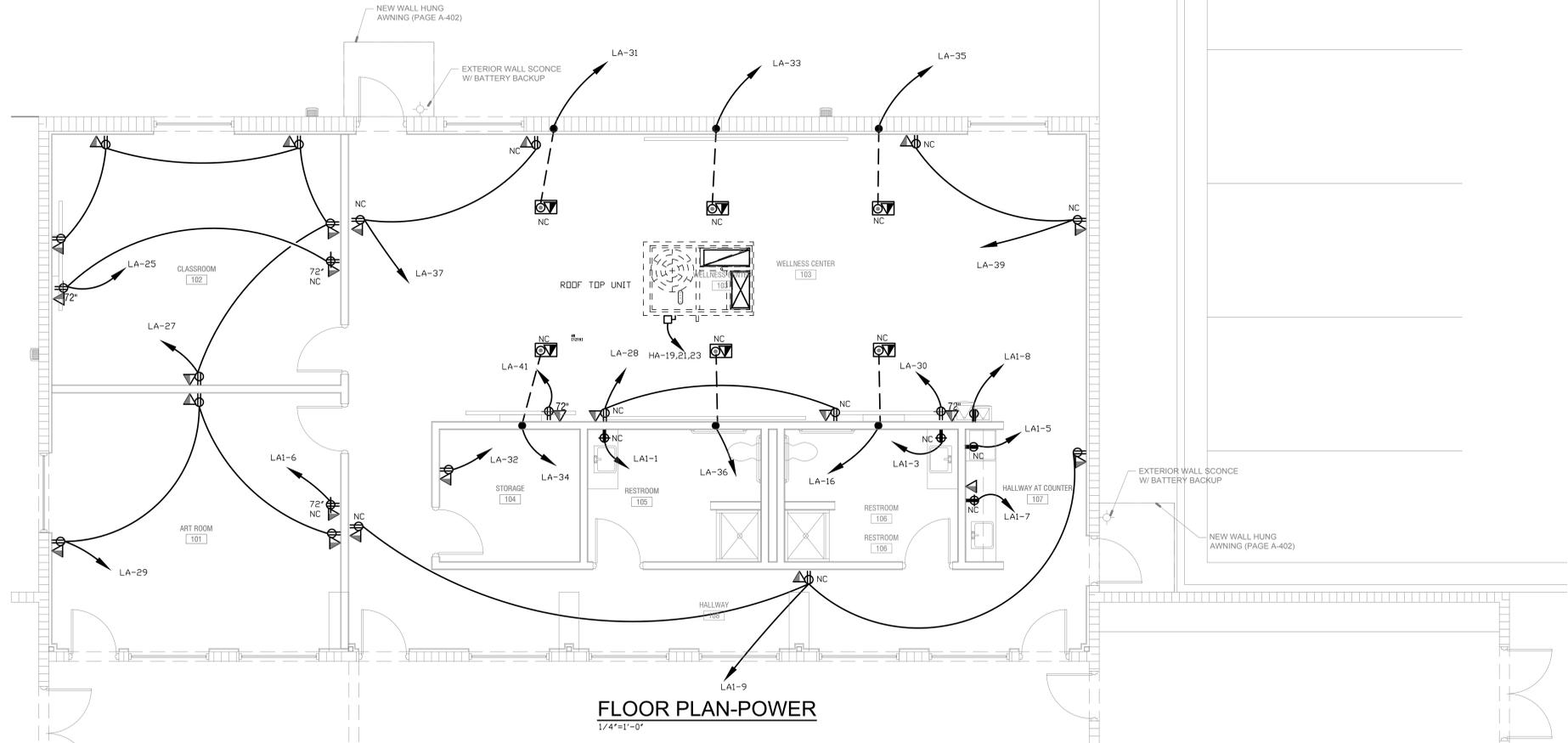
OCONEE SENIOR CENTER PRINTED DATE: 02/18/21

BREAKER SIZE	WIRING SIZE	DISCONNECT SIZE
20/1	2#12,1#12G, 1/2"C	30/2/NF
20/2	3#12,1#12G, 1/2"C	30/2/NF
20/3	3#12,1#12G, 1/2"C	30/3/NF
30/1	2#10,1#10G, 1/2"C	30/2/NF
30/2	3#10,1#10G, 1/2"C	30/2/NF
30/3	3#10,1#10G, 1/2"C	30/3/NF
40/1	2#8,1#10G, 3/4"C	60/2/NF
40/2	3#8,1#10G, 3/4"C	60/2/NF
40/3	3#8,1#10G, 3/4"C	60/3/NF
50/1	2#6,1#10G, 3/4"C	60/2/NF
50/2	3#6,1#10G, 3/4"C	60/2/NF
50/3	3#6,1#10G, 3/4"C	60/3/NF
60/1	2#4,1#10G, 1"C	60/2/NF
60/2	3#4,1#10G, 1"C	60/2/NF
60/3	3#4,1#10G, 1"C	60/3/NF
70/1	2#4,1#8G, 1"C	100/2/NF
70/2	3#4,1#8G, 1"C	100/2/NF
70/3	3#4,1#8G, 1"C	100/3/NF
80/1	2#3,1#8G, 1"C	100/2/NF
80/2	3#3,1#8G, 1 1/4"C	100/2/NF
80/3	3#3,1#8G, 1 1/4"C	100/3/NF
90/1	2#2,1#8G, 1 1/4"C	100/2/NF
90/2	3#2,1#8G, 1 1/4"C	100/2/NF
90/3	3#2,1#8G, 1 1/4"C	100/3/NF
100/1	2#1,1#8G, 1 1/4"C	100/2/NF
100/2	3#1,1#8G, 1 1/4"C	100/2/NF
100/3	3#1,1#8G, 1 1/4"C	100/3/NF

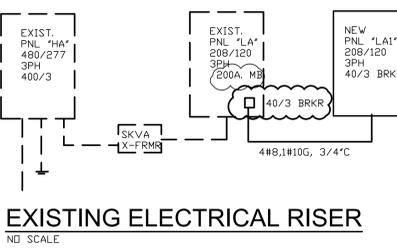
### LEGEND

ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT  
MOUNTING HEIGHT FROM THE CENTER OF ITEM

FIRE ALARM SYSTEM	
	MANUAL PULL STATION, 4'-0" AFF
	COMBINATION ALARM HORN/STROBE, 6'-8" AFF
	CEILING MOUNTED SYSTEM SMOKE DETECTOR
	DUCT SMOKE DETECTOR
	STROBE ALARM, 6'-8" AFF
POWER/MOTORS	
	MOTOR
	DISCONNECT SWITCH, AMPS/POLES/FUSE
	PANELBOARD
SIGNAL COMMUNICATIONS	
	TELEPHONE/DATA OUTLET 18" AFF, RUN 3/4" CONDUIT WITH PULL STRING 0'-6" ABOVE CEILING AND/OR INSULATION.
	TELEVISION OUTLET, STUB 1" CONDUIT, WITH PULL STRING FROM RECESSED JUNCTION BOX 0'-6" ABOVE CEILING AND/OR INSULATION
WIRING	
	SINGLE POLE SWITCH, 3/6" AFF
	SUBSCRIPT INDICATES NUMBER OF POLES FOR SWITCH 3 FOR 3 WAY, 4 FOR 4 WAY, M FOR MOTOR CONTROLLER
	CONDUIT IN WALL OR ABOVE CEILING
	CONDUIT IN FLOOR SLAB OR UNDER GROUND
	EXPOSED CONDUIT
	HOME RUN, 2#12 AND 1#12 GROUND COPPER THHN 1/2"C OR AS NOTED.
	JUNCTION BOX, CEILING WALL
	LEVINTON OCCUPANCY SENSOR DSC05/10/20-MW MOUNT 6'-0" AWAY FROM AIR DIFFUSER
	LEVINTON OCCUPANCY SENSOR DSW12-MDW MOUNT 6'-0" AWAY FROM AIR DIFFUSER
	LEVINTON OCCUPANCY SENSOR SWITCH-DSMTT
	HALLWAY SENSOR SHALL REDUCE LIGHT 50% NO OCCUPANCY
	WALL SWITCH WITH ON/OFF AND DIMMING -ADAPTABLE WALL SWITCH LEVINTON-RLVSV-4LW
	LEVINTON OCCUPANCY SENSOR DSC05/10/20-MW
RECEPTACLES/WIRING DEVICES	
	DUPLEX OUTLET, 20A, 125V, HUBBELL #BR20C1WH1* OR EQUAL (MOUNT 18" A.F.F.)-HALF CONTROL
	DUPLEX OUTLET MOUNTED ABOVE COUNTER (COORDINATE W/CABINET WORK)
	DUPLEX/DATA OUTLET IN FLOOR PLUS CARPET RING FOR CARPET
	DUPLEX OUTLET W/G.F.I., HUBBELL #GF53S2* OR EQUAL (MOUNT 18" AFF)
	DUPLEX OUTLET W/G.F.I. MOUNTED ABOVE COUNTER
	DUPLEX OUTLET, 20A, 125V, HUBBELL #CBR20* OR EQUAL (MOUNT 18" AFF)



\* MAXIMUM LENGTH=100 FT.  
\*\* OUTDOOR DISCONNECT SHALL BE WEATHERPROOF  
PROVIDE NEUTRAL WIRE FOR DRYER, RANGE, AND OVEN.



PANEL: EXIST. SC 'LA'		MAIN DEVICE: 200A MAIN BREAKER		LOCATION: ?				
VOLTAGE: 120/208, 3 PHASE, 4 WIRES		TYPE: NGDD RATING: 200 A		MOUNTING: SURFACE/RECESSED				
CKT. NO.	ITEM	KVA	C.B.	PHASE LOADS PH. A PH. B PH. C	C.B.	KVA	ITEM	CKT. NO.
1	EXIST-CRAFTS RECP	0.96	20/1	3.5	30/2	2.50	EXIST. CLOTHES DRYER	2
3	EXIST-CRAFTS/BILLIARDS-RECP	0.96	20/1	3.5		2.5		4
5	EXIST-CDDM ACT/CDDM DIN RECP	0.960	20/1		20/2	0.72	EXIST. ICE MAKER	6
7	EXIST STRG/BILLIARD/CDDM RECP	0.72	20/1	1.4		0.72		8
9	EXIST. STRG/RR/LOBBY RECP	0.48	20/1	2.0	20/2	1.56	EXIST. FREEZER	10
11	EXIST. HSRKPS/BILLIARD/CDDM	0.96	20/1	2.5		1.56		12
13	EXIST. ASST. DIR-RECP	0.72	20/1	2.2	20/1	1.44	EXIST. REFRIGERATOR	14
15	EXIST. ADMIN/DK AREA RECP	0.96	20/1	2.6	20/1	1.6	NEW WELLNESS-103	16
17	EXIST. OFFICES/DIR RECP	0.72	20/1	0.7		0.0		18
19	EXIST. KITCHEN/ELEC RECP	0.48	20/1	2.0	20/1	1.56	EXIST. DISHWASHER	20
21	EXIST. MISC. KITCHEN RECP	0.96	20/1	2.4	30/2	1.44	EXIST. HOOD	22
23	EXIST. KITCHEN RECP	0.96	20/1	2.9	30/2	1.9	EXIST. STEAM TABLE	24
25	NEW-CLASS 102-RECP	0.40	20/1	2.3	20/1	1.9		26
27	NEW CLASS 102-RECP	1.60	20/1	2.0	20/1	0.40	NEW-WELLNESS-103	28
29	NEW-ART-101-RECP	1.20	20/1	2.0	20/1	0.80	NEW-WELLNESS-103	30
31	NEW-WELLNESS-103	1.6	20/1	2.0	20/1	0.40	NEW-STORAGE-104	32
33	NEW-WELLNESS-103	1.6	20/1	3.2	20/1	1.60	NEW WELLNESS-103	34
35	NEW-WELLNESS-103	1.6	20/1	3.2	20/1	1.60	NEW WELLNESS-103	36
37	NEW-WELLNESS-103	0.8	20/1	4.0	40/3	3.2	TO PANEL LA1	38
39	NEW-WELLNESS-103	0.8	20/1	4.0		3.2		40
41	NEW-WELLNESS-103	0.40	20/1	3.6		3.2		42
		TOTAL		17.4	19.7	16.6	53.64	

AMPS=KVA \*1000/(1.73\*208)

PANEL: EXIST. SC 'HA'		MAIN DEVICE: MAIN BREAKER		LOCATION: ?				
VOLTAGE: 480/277, 3 PHASE-4 WIRES		TYPE: NGDD RATING: 400		MOUNTING: SURFACE/RECESSED				
CKT. NO.	ITEM	KVA	C.B.	PHASE LOADS PH. A PH. B PH. C	C.B.	KVA	ITEM	CKT. NO.
1	EXIST. KITCHEN/ELE. LIGHTS	0.72	20/1	4.9	40/3	4.2	EXIST. RTU-1 35 AMPS	2
3	EXIST. DIN/CDDM ACT LTG	1.32	20/1	5.5		4.2		4
5	EXIST.BILLIARD/STRG LTG	1.20	20/1		5.4	4.2		6
7	EXIST. CRAFTS LIGHTING	0.96	20/1	3.1	25/3	2.16	EXIST. RTU-2 18 AMPS	8
9	EXIST. LOBBY/RECEP/CANDPY LTG	1.55	20/1	3.7		2.16		10
11	EXIST. OFFICE LIGHTING	0.80	20/1	3.0		2.16		12
13	EXIST. CORRIDOR LTG	0.90	20/1	3.9	40/3	3.0	EXIST. RTU-1 25 AMPS	14
15	NEW LIGHTS	1.8	20/1	4.8		3.0		16
17		0.0		3.0		3.0		18
19	NEW 125 TON ROOFTOP TDP UNIT	3.5	45/3	4.0	15/3	0.48	EXIST. PANEL 4 AMPS	20
21		0.0		4.0		0.48		22
23		3.5		4.0		0.48		24
25		0.0		0.0		0.0		26
27		0.0		0.0		0.0		28
29		0.0		0.0		0.0		30
31		0.0		0.0		0.0		32
33		0.0		0.0		0.0		34
35		0.0		0.0		0.0		36
37	EXIST. 75KVA TRANSFORMER	25.0	25.0			0.0		38
39		25.0		25.0	25.0	0.0		40
41		25.0		40.3	124.27	0.0		42
		TOTAL		40.9	43.0	25.0		

AMPS=KVA \*1000/(1.73\*480)

PANEL: NEW SC 'LA1'		MAIN DEVICE: MLO		LOCATION: ?					
VOLTAGE: 120/208, 3 PHASE, 4 WIRES		TYPE: NGDD RATING: 60 A		MOUNTING: SURFACE/RECESSED					
CKT. NO.	ITEM	KVA	C.B.	PHASE LOADS PH. A PH. B PH. C	C.B.	KVA	ITEM	CKT. NO.	
1	RESTROOM-105 RECP	1.6	20/1	2.2	20/1	0.6	CEILING FAN	2	
3	RESTROOM-106-RECP	1.6	20/1	1.9	20/1	0.3	WALLPACK LIGHT	4	
5	RECP-REFRIGERATOR	0.4	20/1		0.8	20/1	0.4	RECP-ART-101	6
7	RECP-COUNTERTOP	1.6	20/1	2.0		20/1	0.4	DRINKING FOUNTAIN	8
9	RECP-HALLWAY-108	1.2	20/1	1.2	20/1	0.0	SPARE	10	
11	SPARE	20/1		0.0	20/1	0.0	SPARE	12	
13				###				14	
15				###				16	
17				###				18	
19				###				20	
21				###				22	
23				###				24	
25				###				26	
27				###				28	
29				###				30	
31				###				32	
33				###				34	
35				###				36	
37				###				38	
39				###				40	
41				###				42	
		TOTAL		4.2	3.1	0.8	8.10		

AMPS=KVA \*1000/(1.73\*208)

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**ATLANTA MANAGEMENT AND ENGINEERING CONSULTANTS, INC.**  
2081 LULUWATER PLACE, LAWRENCEVILLE, GA 30043  
EMAIL: AME@ATLANTA.MANAGEMENT.COM, TEL: (770) 962-3638

**CARTER WATKINS ASSOCIATES ARCHITECTS, INC.**  
POST OFFICE BOX 1064  
137 EAST WASHINGTON STREET  
MONROE, GEORGIA 30665  
Fax: 770-267-1064  
email@carterwatkins.com www.carterwatkins.com



**OCONEE COUNTY PARK SENIOR CENTER**  
WATKINSVILLE, GA

SHEET TITLE:  
FLOOR PLAN -POWER  
PANEL SCHEDULES, RISER, LEGEND

NUMBER:  
**E-1**

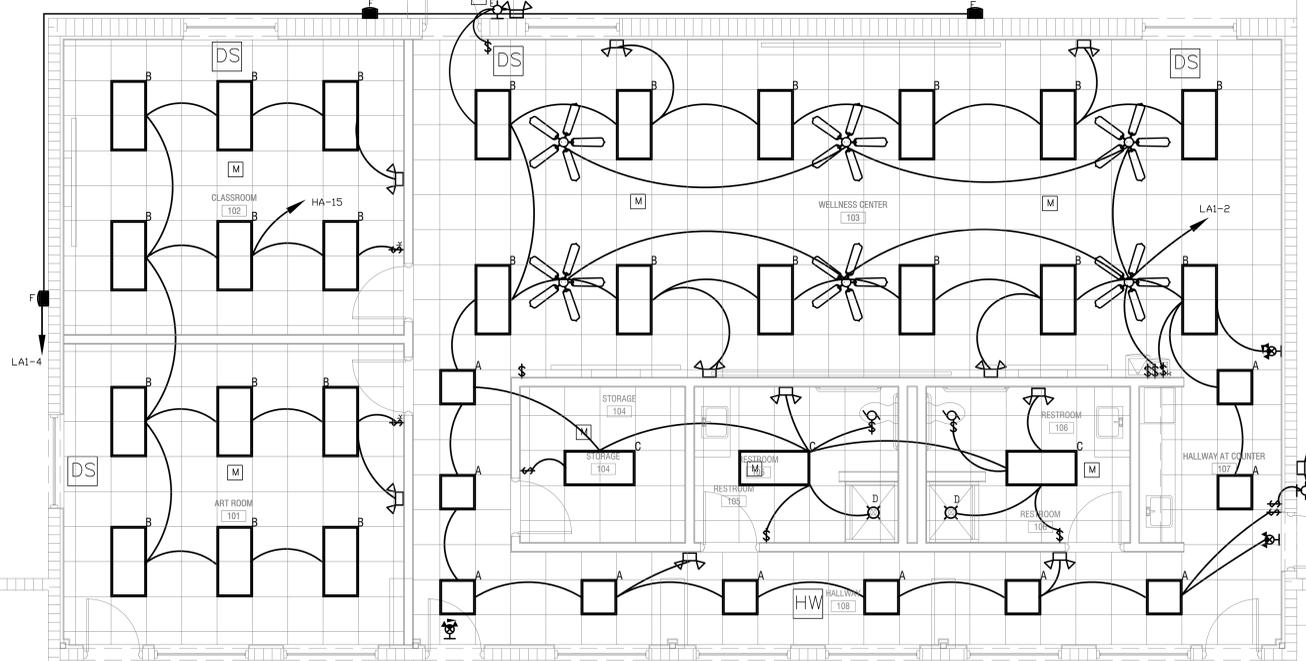
PRINTED: 03/08/21

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LIGHT FIXTURES SCHEDULE				
SYMBOL	MARK	BRAND	DESCRIPTION	WATTS
	A	TECHNOLED	TL-CBT1-40W-24-35K-D-B-3500-1 5000 LUMENS-277 VOLTS	41.72
	B	TECHNOLED	TL-CBT1-40W-24-35K-D-B-3500-1 5000 LUMENS-277 VOLTS	41.72
	C	TECHNOLED	TL-CBT1-40W-24-35K-D-B-3500-1-DAMP LOCATIONS 5000 LUMENS	41.72
	D	TECHNOLED	TL-CDL0JXL-6-25W-4000CCT-90CRI-277VOLTS, WET LOCATION 1700 LUMENS	25
	E	TECHNOLED	TL-MWPI-30W-50K-277 VOLTS, WET LOCATION WITH PHOTO CELL 1700 LUMENS	30
	F	TECHNOLED	TL-04ELP-LED-B-277 VOLTS RMR-16-B-WP-WET LOCATION EMERGENCY LIGHT	2.1
	G	TECHNOLED	TL-04COMBO-MINIEM-RW-3-R-B-277 VOLTS	1.3
	H	TECHNOLED	TL-04CWLEZ-1/2-R-SDT-CV-277 VOLTS	3.6
	I	TECHNOLED	WP03-100W-50-F-C-CLEAR-PC-	100

- FAN SHALL BE WAC F-003-BM, 45 WATTS, 120/1/60 VOLTS
- LEVINTON OCCUPANCY SENSOR OSC05/10/20-MW
- LEVINTON OCCUPANCY SENSOR OSW12-MDW
- LEVINTON OCCUPANCY SENSOR SWITCH-DSMTT
- HALLWAY SENSOR SHALL REDUCE LIGHT 50% ON OCCUPANCY
- WALL SWITCH WITH ON/OFF AND DIMMING -ADAPTABLE
- WALL SWITCH LEVINTON-RLVSW-4LW
- THREE WAY WALL SWITCH WITH ON/OFF AND DIMMING -ADAPTABLE
- LEVINTON OCCUPANCY SENSOR OSC05/10/20-MW

- EMERGENCY LIGHTS NOTES:**
1. THE BRANCH CIRCUIT FEEDING THE EMERGENCY LIGHT AND EXIT LIGHT SHALL BE THE SAME BRANCH CIRCUIT AS THAT SERVING THE NORMAL LIGHTING IN THE AREA AND CONNECTED AHEAD OF ANY LOCAL SWITCHES AS PER NEC CODE 700-12(E).
  2. EMERGENCY AND EXIT LIGHTS CONNECTED TO CIRCUITS CONTROLLED BY TIME CLOCK OR PHOTOCELL SHALL HAVE BYPASS MEANS TO BE CONTINUOUSLY ENERGIZED WHEN CIRCUIT IS ACTIVE.
  3. CIRCUIT WITH EMERGENCY AND EXIT LIGHTS WITH NO SWITCH, TIME CLOCK OR PHOTOCELL SHALL BE PROGRAMMED TO OPERATE CONTINUOUSLY.



**FLOOR PLAN-LIGHTS**  
1/4"=1'-0"

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**ATLANTA MANAGEMENT AND ENGINEERING CONSULTANTS, INC.**  
2081 LULUWATER PLACE, LAWRENCEVILLE, GA 30043  
PHONE: 770-962-3638 FAX: 770-962-3638

**CARTER WATKINS ASSOCIATES ARCHITECTS, INC.**

POST OFFICE BOX 1004  
137 EAST WASHINGTON STREET  
MONROE, GEORGIA 30665  
Fax: 770-267-1064  
email@carterwatkins.com www.carterwatkins.com

SEAL

**OCONEE COUNTY PARK SENIOR CENTER**  
WATKINSVILLE, GA

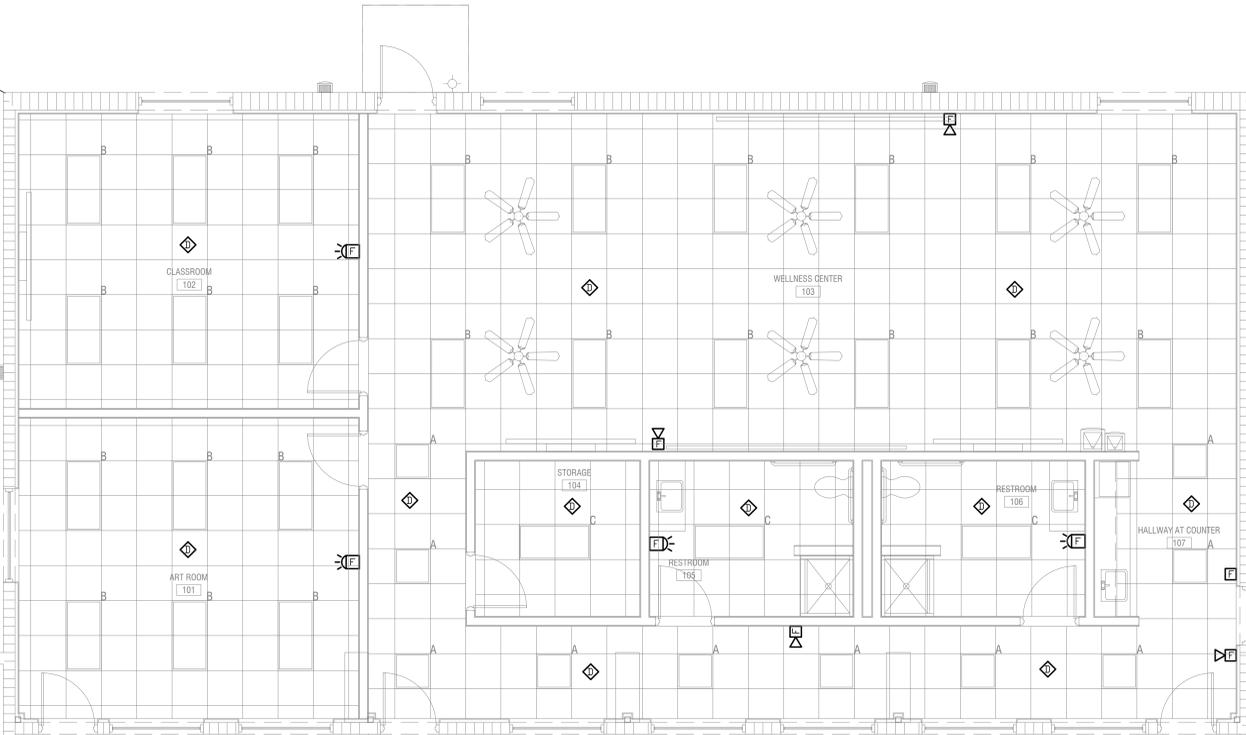
SHEET TITLE:  
**FLOOR PLAN-LIGHTS LIGHT FIXTURES SCHEDULE**

PRINTED: 02/18/21

NUMBER:  
**E-2**

OCONEE SENIOR CENTER PRINTED DATE: 02/18/21

FIRE ALARM SYSTEM—LEGEND	
	MANUAL PULL STATION, 4'-0" AFF
	COMBINATION ALARM HORN/STROBE, 6'-8" AFF
	CEILING MOUNTED SYSTEM SMOKE DETECTOR
	DUCT SMOKE DETECTOR
	STROBE ALARM, 6'-8" AFF



**FLOOR PLAN-FIRE**  
1/4"=1'-0"

THE FIRE ALARM LAYOUT IS A GUIDELINE ONLY. THE CONTRACTOR SHALL SUBMIT THE FINAL LAYOUT FOR THE FIRE MARSHALL'S APPROVAL.  
ALL THE FIRE ALARM APPLIANCES SHALL BE COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM.

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**ATLANTA MANAGEMENT AND ENGINEERING CONSULTANTS, INC.**  
2081 LULLWATER PLACE, LAWRENCEVILLE, GA 30043  
EMAIL: AMECT1@GMAIL.COM, TEL: (770) 962-3638



**CARTER WATKINS ASSOCIATES ARCHITECTS, INC.**  
POST OFFICE BOX 1084  
137 EAST WASHINGTON STREET  
MONROE, GEORGIA 30655  
Fax: 770-267-1064  
email@carterwatkins.com www.carterwatkins.com

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**OCONEE COUNTY PARK SENIOR CENTER**  
WATKINSVILLE, GA

SHEET TITLE:  
FLOOR PLAN - FIRE

PRINTED: 02/18/21

NUMBER:  
**E-3**

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**ELECTRICAL SPECIFICATIONS**

- I. GENERAL
- A. PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND NECESSARY ITEMS AND OBTAIN AND PAY FOR ALL FEES AND PERMITS REQUIRED TO INSTALL A COMPLETE ELECTRICAL SYSTEM.
- B. IT IS THE INTENT OF THESE PLANS TO PROVIDE A COMPLETE ELECTRICAL SYSTEM, REGARDLESS OF WHETHER EACH INDIVIDUAL COMPONENT IS MENTIONED OR NOT.
- C. THE WORK SHALL COMPLY WITH THE STANDARDS OF THE FOLLOWING CODES AND ORDINANCES:
  - 1. NFPA NO. 70, NATIONAL ELECTRIC CODE, LATEST ED.
  - 2. NECA "STANDARD OF INSTALLATION"
  - 3. THE ELECTRICAL UTILITY COMPANY SERVICE STANDARDS
  - 4. UNDERWRITER'S LABORATORY STANDARDS
  - 5. OTHER LOCAL CODES, ORDINANCES AND LAWS APPLICABLE TO THE LOCATION OF THIS PROJECT.
- D. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH TELEPHONE SYSTEM, CABLE TV, AND SECURITY SYSTEM INSTALLATIONS.
- II. MATERIALS AND WORKMANSHIP:
  - A. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR TIMELY PLACEMENT OF ALL CONDUITS, OUTLET BOXES, CABINETS, AND OTHER WIRING DEVICES IN FLOORS, WALLS, CEILINGS, ETC. AS THE CONSTRUCTION PROGRESSES.
  - B. OUTLET BOXES SHALL BE LOCATED AS FOLLOWS:
    - 1. WALL SWITCHES - 4'-0" ABOVE FINISH FLOOR.
    - 2. CONVENIENCE OUTLETS - 16" A.F.F.
    - 3. EQUIPMENT OUTLETS AS REQUIRED (VERIFY)
  - C. WIRING SYSTEM SHALL BE AS FOLLOWS:
    - 1. RIGID CONDUIT-GALVANIZED STEEL OR RIGID ALUMINUM AS PERMITTED BY N. E. C.
    - 2. EMT- ELECTRIC METALLIC TUBING CONDUIT MAY BE USED ONLY WHERE IT IS NOT SUBJECT TO MECHANICAL DAMAGE AND WHERE PERMITTED BY THE N. E. C. AND LOCAL CODES.
    - 3. FLEXIBLE METAL TUBING - TO BE USED AT CONNECTIONS WHERE REQUIRED. CONNECTIONS SHALL BE MADE WITH GROUND. ALL SUCH CONNECTIONS SHALL BE LIQUID TIGHT.
    - 4. UNDERGROUND CIRCUIT SHALL BE SCHEDULE 40 PVC.
  - D. CONDUCTORS SHALL BE COPPER, TYPE THWN/THHN.
  - E. CONVENIENCE RECEPTACLES SHALL BE 15 (20AMP), 125 VOLT NEMA 5-15C20R.
  - F. WALL SWITCHES SHALL BE 20 AMP, 120/277 V. AC, SINGLE POLE OR AS INDICATED ON THE DRAWING.
  - G. GROUNDING OF ELECTRICAL SYSTEMS SHALL BE IN ACCORDANCE WITH THE NEC AND LOCAL REQUIREMENTS.
  - H. ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ITEMS SHOWN AS PART OF THE GENERAL CONTRACT WHICH REQUIRE ELECTRICITY-INCLUDING BUILDING LIGHTING AND CONTROL WIRING.
  - I. FUSES SHALL BE DUEL-ELEMENT CURRENT LIMITING FUSES IN ALL DISCONNECT SWITCHES OR OTHER FUSIBLE DEVICES. FURNISH A SPARE FUSE OF EACH TYPE USED ON THE JOB.
  - J. ELECTRICAL CONTRACTOR SHALL INSTALL AND CONNECT MOTOR STARTERS, RELAYS, SWITCHES, AND RELATED ITEMS WHICH ARE SUPPLIED BY OTHERS.
  - K. ALL MATERIAL SHALL BE NEW AND U.L. APPROVED AND LABELED.
  - L. ALL ELECTRICAL EQUIPMENT AND SYSTEMS SHALL BE TESTED AND ADJUSTED FOR PROPER OPERATION. COMPLETE WIRING SYSTEM SHALL BE FREE OF SHORT CIRCUITS.
  - M. CONTRACTOR SHALL MAKE COMPLETE CONNECTIONS TO ALL EQUIPMENT. COORDINATE WITH EQUIPMENT SUPPLIER FOR EXACT LOCATIONS AND REQUIREMENTS.
  - N. CONTRACTOR MUST SUBMIT EQUIPMENT DATA FOR APPROVAL TO ENGINEER.

**ELECTRICAL NOTES**

- 1. CONTRACTOR SHALL NOT RUN ANY WIRES WITHOUT VERIFYING WITH ELECTRICAL CHARACTERISTICS OF EQUIPMENT. DESIGN DOCUMENTS MAY DIFFER FROM ACTUAL ELECTRICAL CHARACTERISTICS OF EQUIPMENT. ENGINEER DOES NOT HAVE ACTUAL EQUIPMENT DATA DURING DESIGN PROCESS. CONTRACTOR SHALL BRING TO ATTENTION OF ENGINEER FOR ANY DISCREPANCIES. CONTRACTOR MUST SUBMIT EQUIPMENT DATA WHICH REQUIRED ELECTRICAL POWER TO ENGINEER. APPROVED EQUIPMENT BY ENGINEER OR ARCHITECT DOES NOT RELIEVE CONTRACTOR FROM RESPONSIBILITY OF VERIFICATION OF ELECTRICAL CHARACTERISTICS OF EQUIPMENT AND MODIFY CIRCUITS AS NECESSARY.
- 2. CONTRACTOR SHALL VERIFY UTILITY COMPANY'S POWER SUPPLY (VOLTAGES AND PHASE) BEFORE PURCHASING ANY EQUIPMENT, LIGHT FIXTURES AND NOTIFY ENGINEER FOR ANY DISCREPANCIES. CONTRACTOR SHALL SUBMIT ALL EQUIPMENT DATA AND LIGHT FIXTURES FOR APPROVAL.
- 3. PROVIDE GROUND FAULT OUTLET WITHIN 25 FEET OF ALL AIR CONDITIONING EQUIPMENT ON ROOF AND IN THE ATTIC (REGULAR) AS PER NEC CODE 210-6(B) & 210-6(C). CONNECT TO NEAREST RECEPTACLE CIRCUIT UNLESS OTHERWISE INDICATED.
- 4. PROVIDE ELECTRICAL CONNECTIONS TO ALL ITEMS SHOWN AS PART OF THE GENERAL CONTRACT WHICH REQUIRES ELECTRICITY.
- 5. COORDINATE ALL CONNECTIONS WITH EQUIPMENT SUPPLIER FOR EXACT LOCATION AND REQUIREMENTS.
- 6. PROVIDE CONNECTION TO ALL APPLIANCES, MECHANICAL AND PLUMBING EQUIPMENT INCLUDING TOILET EXHAUST FANS AND UNDER CABINET LIGHTS, SIGNS, ETC. CONTRACTOR MUST VERIFY WITH ARCHITECTURAL, INTERIOR, CIVIL, MECHANICAL, AND PLUMBING CONTRACTORS THE QUANTITY OF EQUIPMENT CONNECTIONS BEFORE BIDDING AND FINAL CONTRACT. NEGLIGENCE OF VERIFYING QUANTITY WILL NOT BE COMPENSATED.
- 7. EXPOSED WIRING SHALL BE IN EMT OR RIGID CONDUIT.
- 8. SEE MECHANICAL DRAWINGS FOR LOCATION OF HEATING AND A/C EQUIPMENT.
- 9. THIS BUILDING SHALL BE EQUIPPED WITH A FIRE SUPPRESSION SPRINKLER SYSTEM, DESIGNED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA #13 AND ALL LOCAL CODES AND ORDINANCES. COORDINATE THE INSTALLATION OF INDICATED EMERGENCY ALARM DEVICES WITH THE SPRINKLER CONTRACTOR.
- 10. ALL RECEPTACLES AT VANITY, BATH, KITCHEN COUNTER AREAS, AND WET LOCATION SHALL BE GROUND FAULT INTERRUPTER TYPE.
- 11. ELECTRICAL OUTLETS BOXES ON OPPOSITE SIDES OF RATED WALLS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF 24" MINIMUM.
- 12. CONTRACTOR SHALL VERIFY ELECTRICAL CHARACTERISTICS BEFORE RUNNING CONDUIT AND WIRES.
- 13. CONTRACTOR SHALL VERIFY WITH UTILITY COMPANY VOLTAGES AND UTILITY COMPANY'S SCOPE OR WORK.
- 14. FIRE ALARM CONTRACTOR SHALL PROVIDE, INSTALL, AND WIRE DUCT SMOKE DETECTORS. COORDINATE WITH MECHANICAL CONTRACTOR FOR LOCATION. SEE MECHANICAL DRAWINGS AND NOTES.
- 15. CONTRACTOR SHALL PROVIDE COMPLETE TELEPHONE WIRING FROM TELEPHONE OUTLETS TO TELEPHONE COMPANY'S MAIN TELEPHONE WIRES. CONTRACTOR SHALL COORDINATE THE SCOPE OF WORK WITH TELEPHONE COMPANY FOR COMPLETE OPERATION OF TELEPHONE SYSTEM.
- 16. THE BRANCH CIRCUIT FEEDING THE EMERGENCY LIGHT AND EXIT LIGHT (UNIT EQUIPMENT) SHALL BE THE SAME BRANCH CIRCUIT AS THAT SERVING THE NORMAL LIGHTING IN THE AREA AND CONNECTED AHEAD OF ANY LOCAL SWITCHES AS PER NEC CODE 700-12(F).
  - a. EMERGENCY AND EXIT LIGHTS CONNECTED TO CIRCUITS CONTROLLED BY TIME CLOCK, OR PHOTOCELL SHALL HAVE BYPASS MEANS TO BE CONTINUOUSLY ENERGIZED WHEN CIRCUIT IS ACTIVE.
  - b. CIRCUIT WITH EMERGENCY AND EXIT LIGHTS WITH NO SWITCH, TIME CLOCK OR PHOTOCELL SHALL BE PROGRAMMED TO OPERATE CONTINUOUSLY.
- 17. PROVIDE ON EVERY CORRIDOR A TWO HEAD BATTERY EMERGENCY LIGHT AS PER NFPA 101-7.9.1.2
- 18. PROVIDE TWO HEAD WALL MOUNTED BATTERY EMERGENCY LIGHT AT EACH EXIT WALKWAYS AS PER NFPA 101-7.9.1.2
- 19. NO PIPING, DUCT, OR EQUIPMENT FOREIGN TO THE ELECTRICAL INSTALLATION SHALL BE INSTALLED ABOVE THE ELECTRICAL PANEL BOARD, MOTOR CONTROL CENTER, OR SWITCHBOARD.
- 20. COMBINATION HORN STROBE SHALL BE INSTALLED WITHIN 15'-0" OF THE END OF EACH CORRIDOR AND MAXIMUM OF 50'-0" ON CENTER THROUGHOUT THE CORRIDOR AS PER NATIONAL FIRE ALARM CODE SECTION 4-4.2.2. (MIN. 90" ABOVE FINISHED FLOOR AND BELOW THE FINISHED CEILINGS OF NOT LESS THAN 6 INCH.
- 21. INSTALL MANUAL PULL STATION AT EVERY FIRST FLOOR EXIT. ADDITIONAL MANUAL PULL STATION SHALL BE PROVIDED SO THAT TRAVEL DISTANCE TO THE NEAREST MANUAL PULL STATION SHALL NOT EXCEED 200 FT MEASURED HORIZONTALLY ON THE SAME FLOOR. MOUNTING HEIGHT SHALL BE NOT LESS THAN 42" AND NOT MORE THAN 54" ABOVE FINISHED FLOOR. SEE NATIONAL FIRE ALARM CODE SECTION 5-8.1.2
- 22. PROVIDE FIRE ALARM STROBE LIGHT IN EVERY PUBLIC REST ROOM AND OTHER GENERAL USAGE AREAS (E.G. CLASSROOMS, MEETING ROOMS), HALLWAYS, LOBBIES, AND ANY OTHER AREAS OF COMMON USE AS PER GA. ACCESSIBILITY CODE SECTION 120-3-20-39.
- 23. INSTALL SMOKE DETECTORS IN ALL COMMON AREAS SUCH AS LOBBIES, STORAGE ROOMS, EQUIPMENT ROOMS, ATTICS, SPACE ABOVE THE CEILINGS, CLOSETS, AND OTHER TENANTLESS SPACES. SEE NATIONAL FIRE ALARM CODE SECTION 5-1.4.2
- 24. CEILING SMOKE DETECTORS SHALL BE INSTALLED IN ALL CORRIDORS. SMOKE DETECTORS SHALL BE INSTALLED WITHIN 15'-0" OF THE END OF EACH CORRIDOR AND MAXIMUM 30'-0" ON CENTER THROUGHOUT THE CORRIDOR.
- 25. ALL OUTLETS WITHIN SIX FEET OF ANY SINK SHALL BE GROUND FAULT PROTECTION TYPE.
- 26. PROVIDE POWER TO GARBAGE DISPOSAL. SEE PLUMBING AND ARCHITECTURAL PLANS.
- 27. PROVIDE FIRE SAFE BLANKET WRAP AROUND EACH OUTLET BOX IN FIRE RATED ASSEMBLY TO MAINTAIN ASSEMBLY FIRE RATING.
- 28. PROVIDE GROUND FAULT PROTECTION TYPE (GFI) RECEPTACLES AT THE FOLLOWING LOCATIONS:
  - a. BATHROOM
  - b. KITCHEN COUNTERTOP INCLUDING COMMERCIAL KITCHEN
  - c. WITHIN SIX FEET OF ANY SINK
  - d. OUTSIDE WITH WEATHERPROOF (READILY ACCESSIBLE).
  - e. WET LOCATION.
- 29. BRANCH CIRCUIT CONDUCTORS:
  - WIRES RUN OVER 100 FEET LONG SHALL BE SIZED NEXT SIZE OF WIRE SCHEDULE. THIS APPLIES TO THE ENTIRE CIRCUIT OR CIRCUITS.
- 30. TYPE NM, NMC, AND NMS CABLE IS NOT PERMITTED AT EXPOSED IN DROPPED OR SUSPENDED CEILING AS PER NEC ARTICLE 334.15-A-1
- 31. ELECTRIC ROOM SHALL HAVE MINIMUM 30 FC AND EMERGENCY LIGHT SHALL 1 FOOTCANDLE LIGHT LEVEL.

**FIRE ALARM NOTES:**

- a. ALL FIRE ALARM DEVICES SHALL MATCH BUILDING STANDARD. STROBES ARE WALL MOUNTED AT 80" AFF. SPEAKERS ARE CEILING MOUNTED. PULL STATIONS ARE WALL MOUNTED AT 48" AFF. SMOKE DETECTORS ARE CEILING MOUNTED.
- b. ALL FIRE ALARM DEVICES SHALL BE PROPERLY WIRED TO EXISTING FIRE ALARM SYSTEM UNDER THE SUPERVISION OF SYSTEM REPRESENTATIVE. CONTACT LANDLORD FOR SPECIFICATION FOR DEVICES.
- c. UPON COMPLETION OF WORK, FIRE ALARM SYSTEM SHALL FUNCTION PROPERLY AND MEET ALL U.L. LISTINGS. CONTRACTOR IS RESPONSIBLE FOR ALL ACCESSORIES REQUIRED TO ACCOMMODATE A COMPLETE INSTALLATION.
- d. FIRE ALARM DESIGN NEEDS TO BE REDESIGNED BASED ON THE ABOVE CRITERIA.
- e. EXIST SIGN SHALL BE BUILDING STANDARD.
- 33. LAY-IN LIGHT FIXTURES SHALL BE SUPPORTED WITH FOUR WIRE HANGERS INDEPENDENT OF THE CEILING GRID SYSTEM AND SECURED TO THE GRID SYSTEM.
- 34. CONTRACTOR SHALL VERIFY THE TYPE OF THE LIGHT FIXTURES AGAINST THE CEILING BEFORE BIDDING THE PROJECT.
- 35. OCCUPANCY SENSOR NOTES:
  - A. ALL SENSOR LOCATIONS ARE APPROXIMATE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION.
  - B. CEILING MOUNTED SENSORS LOCATED OVER DOORWAYS SHOULD BE PLACED ONE FOOT INSIDE THRESHOLD.
  - C. ULTRASONIC CEILING MOUNTED SENSORS SHOULD BE LOCATED A MINIMUM OF SIX FEET FROM HVAC SUPPLY /RETURN VENTS.
  - D. THOUGH MOUNTED, PENDANT MOUNTED, AND PENDANT MOUNTED INDIRECT LIGHTING SOURCES AFFECT THE OPERATION OF LOCALLY MOUNTED SENSORS. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING SENSOR LOCATIONS TO ALLOW FOR PROPER OPERATION.
  - E. CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTING FOR NON-ADAPTIVE PRODUCTS, FOLLOWING THE MANUFACTURER'S RECOMMENDED PLACEMENT, AND FIELD VERIFICATION OF SENSORS WITH RESPECT TO POWER PACK PLACEMENT.
  - F. CONTRACTOR IS RESPONSIBLE FOR ORDERING THE APPROPRIATE SENSOR.
  - G. CONTRACTOR IS RESPONSIBLE FOR RELATED CIRCUIT CONTROL EQUIPMENT. THIS INCLUDES, NOT LIMITED TO, LOAD CONTROL, SWITCHING/CONTROL STATIONS, ATC, FACILITY-WIDE CONTROL INTEGRATION, EVENT SCHEDULING, BAS/MS INTEGRATION.
  - H. PHOTOCELLS MUST BE PLACED WITHIN DAYLIGHTING ZONE AS DEFINED BY LOCAL CODE.

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REVISIONS					
Number	Date	Remarks	Number	Date	Remarks
1	02/15/20	CODE OFFICIALS COMMENTS			

**CONSULTANTS**

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**ATLANTA MANAGEMENT AND ENGINEERING CONSULTANTS, INC.**  
2081 LULLWATER PLACE, LAWRENCEVILLE, GA, 30043  
PHONE: 770-962-3638  
EMAIL: AMECT1@GMAIL.COM, TEL: 770-962-3638



**CARTER WATKINS ASSOCIATES ARCHITECTS, INC.**  
POST OFFICE BOX 1084  
137 EAST WASHINGTON STREET  
MONROE, GEORGIA 30665  
Fax: 770-267-1064  
email@carterwatkins.com www.carterwatkins.com



**OCONEE COUNTY PARK SENIOR CENTER**  
WATKINSVILLE, GA

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