

# ROME CITY AUDITORIUM UPGRADES AND NEW ADDITION CITY OF ROME, GEORGIA

**601 BROAD STREET  
ROME, GEORGIA 30161**



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A5.02	BUILDING SECTIONS	M1.1	HVAC PLAN 1ST AND 2ND FLOORS	INCLUDED: BARBIZON CHARLOTTE, INC SUBMITTAL PACKAGE <b>(DRAWINGS FOR REFERENCE ONLY)</b>	
A5.03	BUILDING SECTIONS	M1.2	HVAC PLAN ROOF / MEZZANINE		
A5.04	BUILDING SECTIONS	M1.3	HVAC PLAN AUDITORIUM		

BUILDING INFORMATION	APPLICABLE CODES	SCOPE OF WORK	LOAD / DESIGN INFORMATION	PROJECT LOCATION
OCCUPANCY CLASSIFICATION -- GROUP A-1 BUILDING TYPE -- TYPE III-A GROSS SQUARE FOOTAGE -- 2382 SF TOTAL OCCUPANT LOAD -- 77 PEOPLE  ZONING -- ADDITION TO EXISTING BUILDING, NO CHANGE TO EXISTING USE	INTERNATIONAL BUILDING CODE -- 2012 EDITION ACCESSIBILITY CODE -- DOJ ADAH 2010 INTERNATIONAL ENERGY CODE -- 2012 EDITION NATIONAL ELECTRIC CODE -- 2014 EDITION INTERNATIONAL PLUMBING CODE -- 2012 EDITION INTERNATIONAL MECHANICAL CODE -- 2012 EDITION NFPA 101 : LIFE SAFETY CODE -- 2012 EDITION INTERNATIONAL FIRE CODE -- 2012 EDITION CITY OF ROME UNIFIED LAND DEVELOPMENT CODE -- LATEST EDITION SPRINKLE BUILDING PER -- NFPA 13	DEMOLITION OF EXISTING AUDITORIUM ADDITION AND NEW CONSTRUCTION OF A TWO-STORY ADDITION OF THE SAME FOOTPRINT  DEMOLITION OF EXISTING STAGE RIGGING AND RELATED THEATRICAL LIGHTING AND EQUIPMENT  INSTALLATION OF NEW ELECTRICAL TO BE CONNECTED TO THE NEW STAGE LIGHTING AND EQUIPMENT  INSTALLATION OF NEW STAGE RIGGING AND RELATED THEATRICAL LIGHTING AND EQUIPMENT IS <b>NOT</b> IN THE GENERAL CONTRACTOR'S SCOPE OF WORK	FLOOR LOADS -- Renovation of Existing Bldg ROOF LIVE LOAD -- Renovation of Existing Bldg ROOF DEAD LOAD -- Renovation of Existing Bldg WIND LOAD -- Renovation of Existing Bldg SEISMIC -- Renovation of Existing Bldg	601 BROAD STREET ROME, GEORGIA 30161  

PER GEORGIA CODE O.C.G.A. 43-4 THE ARCHITECT WILL BE PROVIDING CONSTRUCTION ADMINISTRATION SERVICES

THESE DRAWINGS AND RELATED SPECIFICATIONS SHALL BE USED ONLY FOR THE TITLED PROJECT. THEY ARE, AND SHALL REMAIN, THE PROPERTY OF THE ARCHITECT AND MAY NOT BE REPRODUCED IN ANY MANNER OR USED ON ANY OTHER PROJECT OR EXTENSIONS OF THIS PROJECT WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE ARCHITECT.

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**ROME CITY AUDITORIUM UPGRADES  
AND NEW ADDITION**  
 601 BROAD STREET  
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CONSTRUCTION DOCUMENTS

PROJECT NUMBER

14047

ISSUED BY

CEVIAN® Design Lab, LLC

ISSUED DATE

6/16/15

SHEET TITLE

COVER SHEET

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

**A0.00**

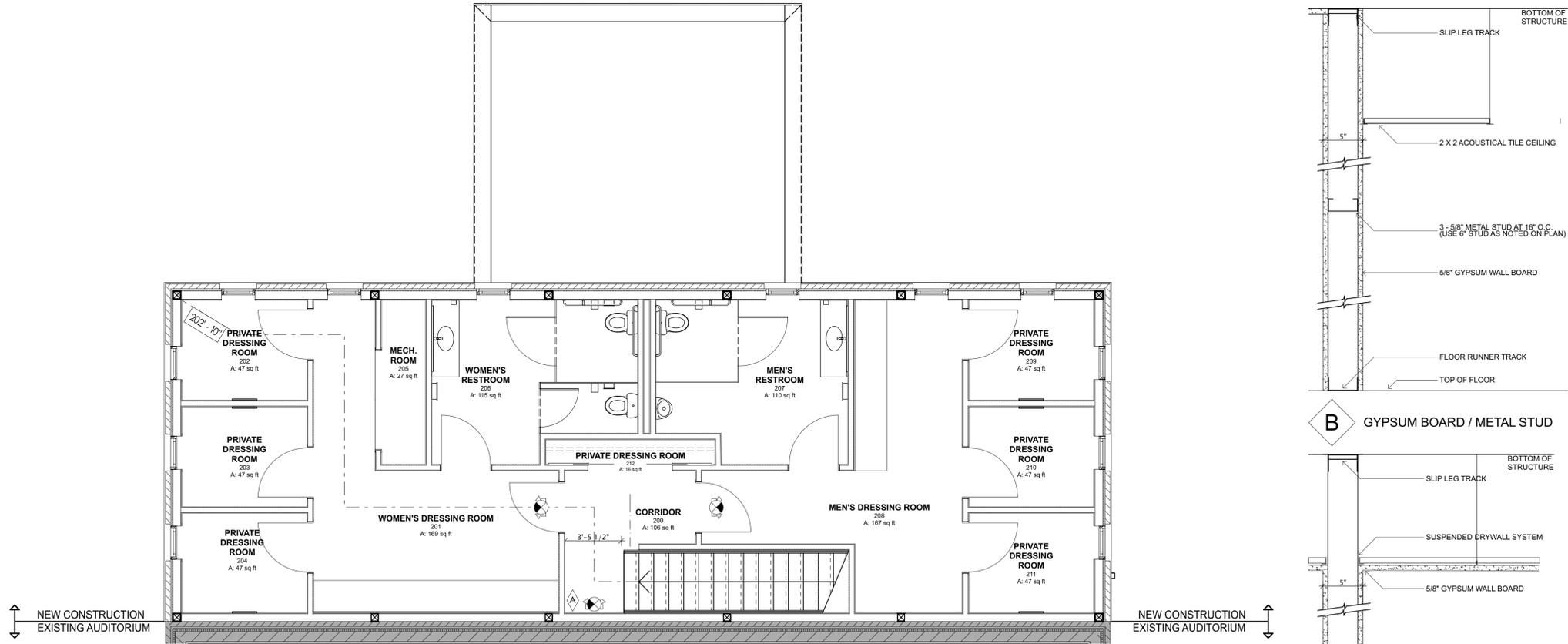
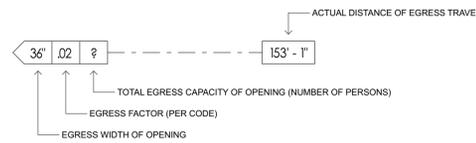


**GENERAL LIFE SAFETY PLAN NOTES**

OCCUPANCY CLASSIFICATION	GROUP A-1
CONSTRUCTION TYPE	TYPE III A
ALLOWABLE AREA	14 000 SF
ALLOWABLE HEIGHT	3 STORIES
GROSS SQUARE FOOTAGE	2 382 SF
NET SQUARE FOOTAGE	1329 SF
BUILDING HEIGHT (FROM GROUND TO THE TOP OF THE PARAPET)	36' - 0"
MAXIMUM OCCUPANT LOAD BY AREA	77 PEOPLE

**LIFE SAFETY TAGS**

- DIRECTIONAL EXIT SIGN
- EMERGENCY LIGHT
- COMBINATION DIRECTIONAL EXIT SIGN AND EMERGENCY LIGHT
- FIRE EXTINGUISHER
- AVAILABLE EGRESS CAPACITY



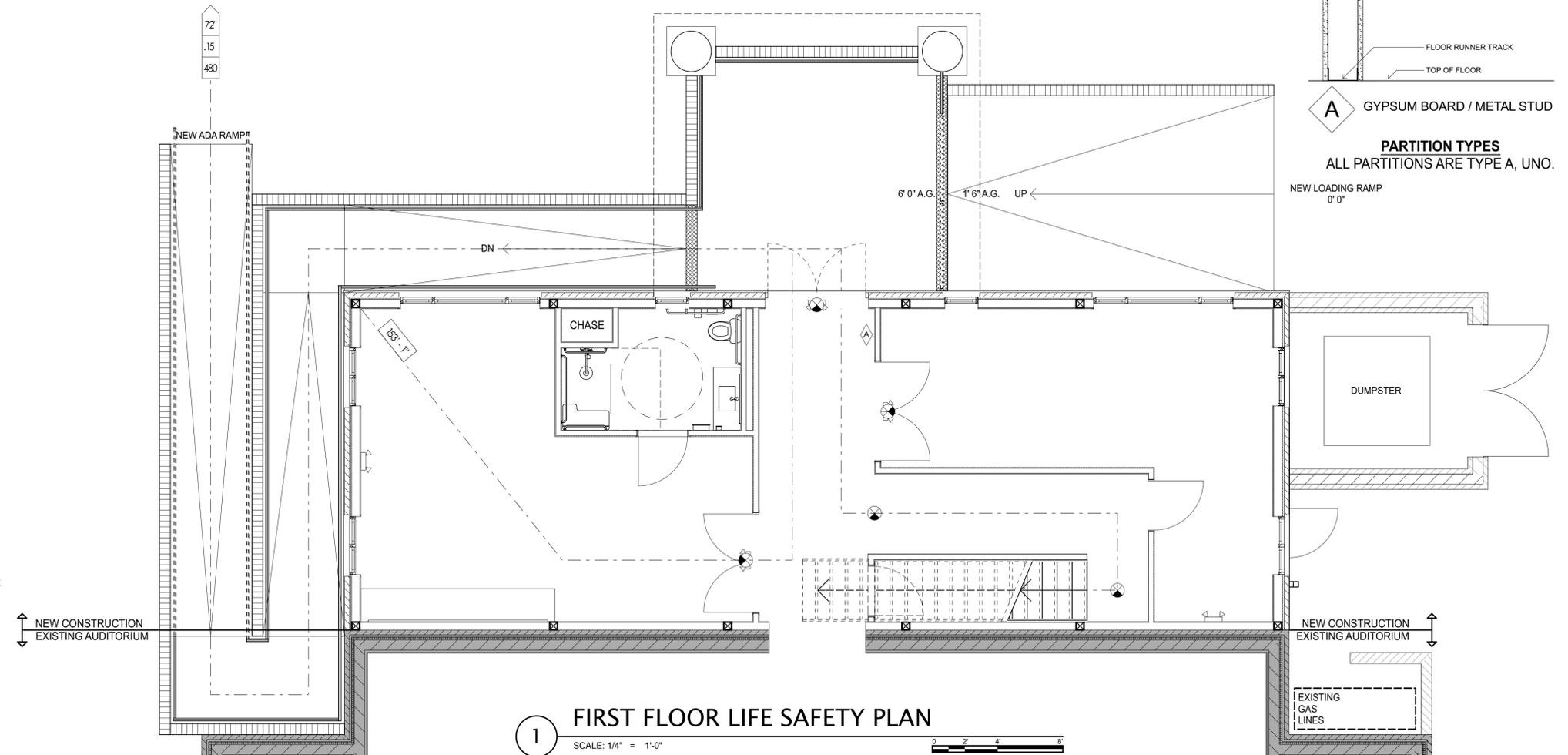
**2 SECOND FLOOR LIFE SAFETY PLAN**  
SCALE: 1/4" = 1'-0"

**NET AREA TABULATION**

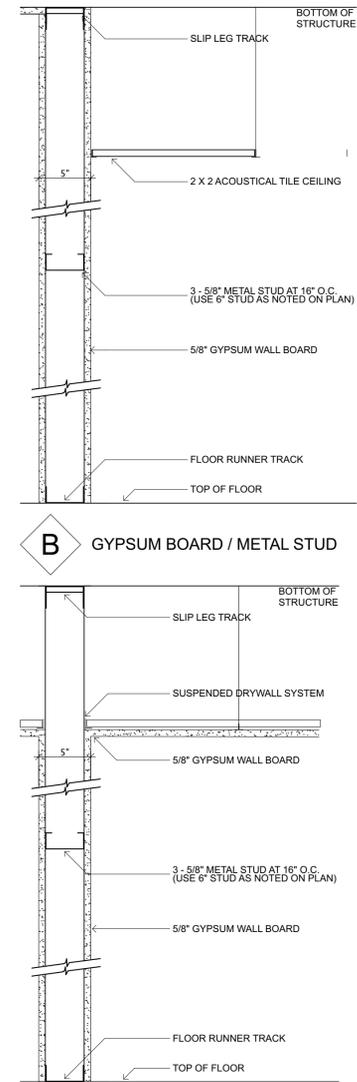
ROOM NUMBER	NET SF	OCCUPANCY (PER IBC 2012)
100 CORRIDOR	286	-
101 GREEN ROOM	364	364 / 15 = 24 MAX.
102 ADA RESTROOM	81	-
103 STORAGE	300	-
200 CORRIDOR	106	-
201 WOMEN'S DRESSING ROOM	169	169 / 7 = 24 MAX.
202 PRIVATE DRESSING ROOM	47	1 MAX.
203 PRIVATE DRESSING ROOM	47	1 MAX.
204 PRIVATE DRESSING ROOM	47	1 MAX.
205 MECHANICAL ROOM	27	-
206 WOMEN'S RESTROOM	115	-
207 MEN'S RESTROOM	110	-
208 MEN'S DRESSING ROOM	167	167 / 7 = 23 MAX.
209 PRIVATE DRESSING ROOM	47	1 MAX.
210 PRIVATE DRESSING ROOM	47	1 MAX.
211 PRIVATE DRESSING ROOM	47	1 MAX.
TOTAL OCCUPANCY	77 MAX.	

**MINIMUM PLUMBING REQUIREMENTS**

FIXTURE	CODE	REQ'D	ACTUAL
WATER CLOSET (MALE)	1 / 125	1	2
WATER CLOSET (FEMALE)	1 / 65	2	3
LAVATORIES	1 / 200	1	3
SHOWERS	---	---	1
DRINKING FOUNTAIN	1 / 500	1	BOTH AVAILABLE EXISTING STRUCTURE
SERVICE SINK	1	1	



**1 FIRST FLOOR LIFE SAFETY PLAN**  
SCALE: 1/4" = 1'-0"



**PARTITION TYPES**  
ALL PARTITIONS ARE TYPE A, UNO.



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FIRST AND SECOND FLOOR LIFE SAFETY PLANS & PARTITION TYPES

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET  
LS1.01

**EXISTING SITE PLAN NOTES**

1990's ADDITION TO THE ROME CITY AUDITORIUM TO BE DEMOLISHED COMPLETELY, INCLUDING FOOTINGS, FOUNDATION, AND ALL MECHANICAL, ELECTRICAL, PLUMBING, AND ARCHITECTURAL ELEMENTS.

**EXISTING SITE PLAN TAGS**

- 1 EXISTING SUB-SURFACE DRAIN INLET, PROTECT
- 2 EXISTING GAS LINES AND METERS, PROTECT
- 3 EXISTING TRASH DUMPSTER, RELOCATE DURING DEMOLITION AND CONSTRUCTION, COORDINATE LOCATION WITH OWNER
- 4 EXISTING CONCRETE LOADING RAMP, DEMOLISH
- 5 EXISTING CONCRETE LOADING DOCK, DEMOLISH
- 6 EXISTING CONCRETE PEDESTRIAN RAMP, DEMOLISH
- 7 EXISTING FLOWER PLANTER, DEMOLISH

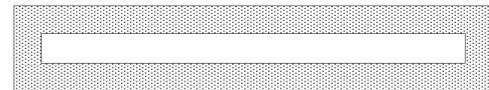
**EXISTING STRUCTURE**



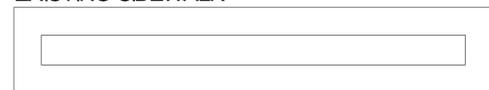
**EXISTING ADDITION TO BE DEMOLISHED**



**EXISTING GREEN SPACE**



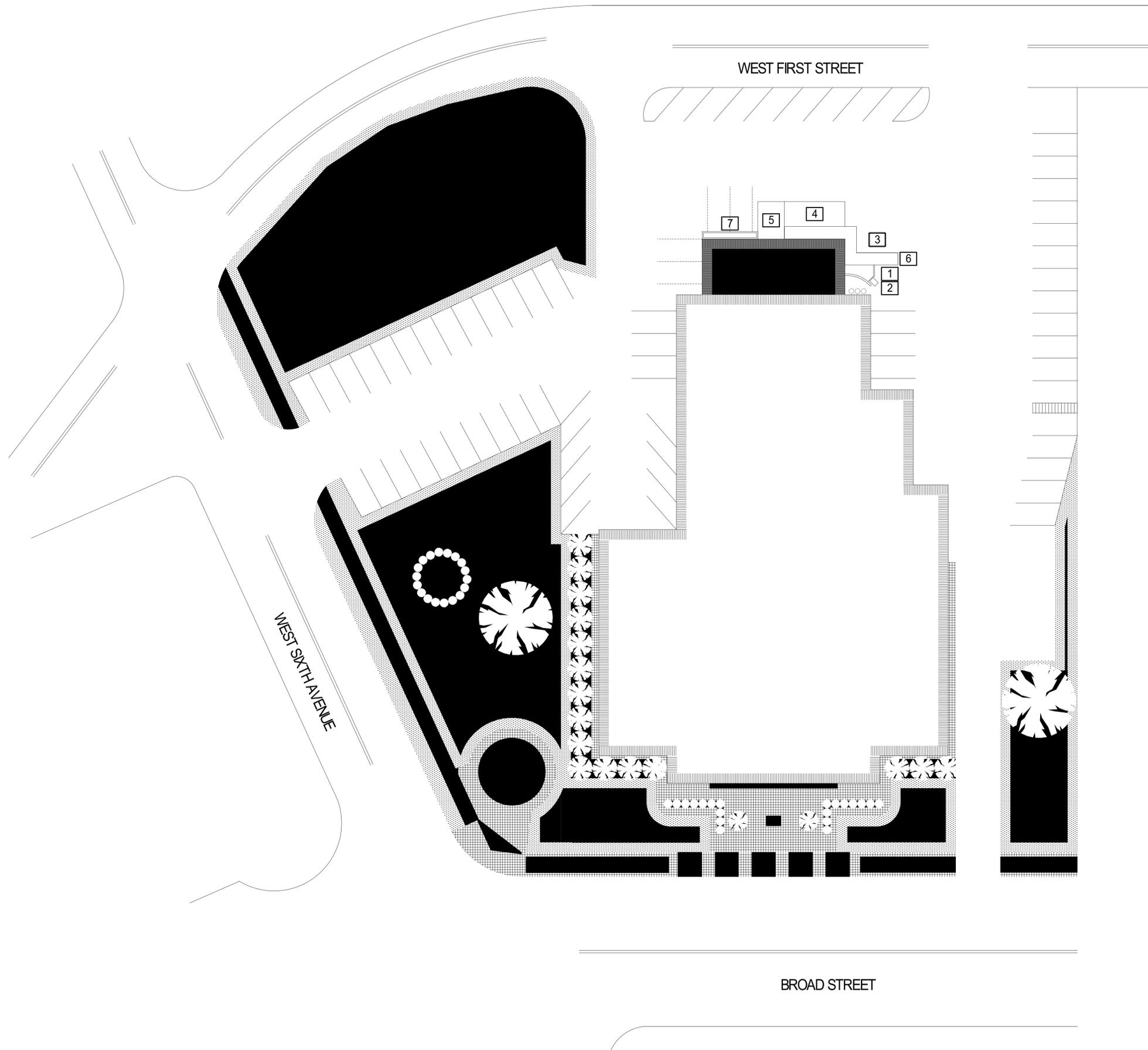
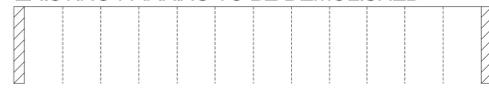
**EXISTING SIDEWALK**



**EXISTING VEGETATION**



**EXISTING PARKING TO BE DEMOLISHED**



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EXISTING SITE PLAN

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

**A1.01**

**GENERAL DEMOLITION NOTES**

THE ADDITION TO THE ROME CITY AUDITORIUM IS TO BE DEMOLISHED COMPLETELY, INCLUDING FOOTINGS, FOUNDATION, AND ALL MECHANICAL, ELECTRICAL, PLUMBING, AND ARCHITECTURAL ELEMENTS.

STRUCTURE OF THE STAGE CAN ONLY HANDLE THE SMALLEST, LIGHTEST LIFT. CONTRACTOR TO VERIFY CAPACITY PRIOR TO LOADING.

**DEMOLITION TAGS**

- 1 RELOCATE POWER LINES, SEE ELECTRICAL DRAWINGS
- 2 PROTECT EXISTING GAS METERS AND LINES
- 3 PROTECT EXISTING STORM DRAIN, DO NOT ALLOW CONSTRUCTION RUN OFF TO ENTER STORM DRAIN
- 4 REMOVE ALL EXISTING PLUMBING FIXTURES, EQUIPMENT, AND ASSOCIATED CASEWORK, CAP AT MAIN BUILDING TIE-IN, PREPARE FOR NEW PLUMBING, SEE PLUMBING DRAWINGS
- 5 DEMOLISH EXISTING PARKING AND FLOWER BED, AS REQUIRED, FOR NEW RAMP AND FOOTINGS, SEE STRUCTURAL DRAWINGS
- 6 DEMOLISH EXISTING ELECTRICAL EQUIPMENT AS REQUIRED BY ELECTRICAL DRAWINGS AND SPECIFICATIONS
- 7 DEMOLISH EXISTING LOADING DOCK AND RAMPS TO ALLOW FOR NEW FOOTINGS, SEE STRUCTURAL DRAWINGS
- 8 RELOCATE DUMPSTER TO OWNER DESIGNATED LOCATION
- 9 DEMOLISH CURVED BRICK SCREEN WALL
- 10 INSTALL TEMPORARY WALL BETWEEN STAGE AND ADDITION PRIOR TO STARTING DEMOLITION

**PLAN LEGEND**

- NEW
- DEMOLISH
- EXISTING
- 45° EXISTING DOORS
- 90° NEW DOORS

**EXISTING SITE PHOTOS**



PHOTO 1



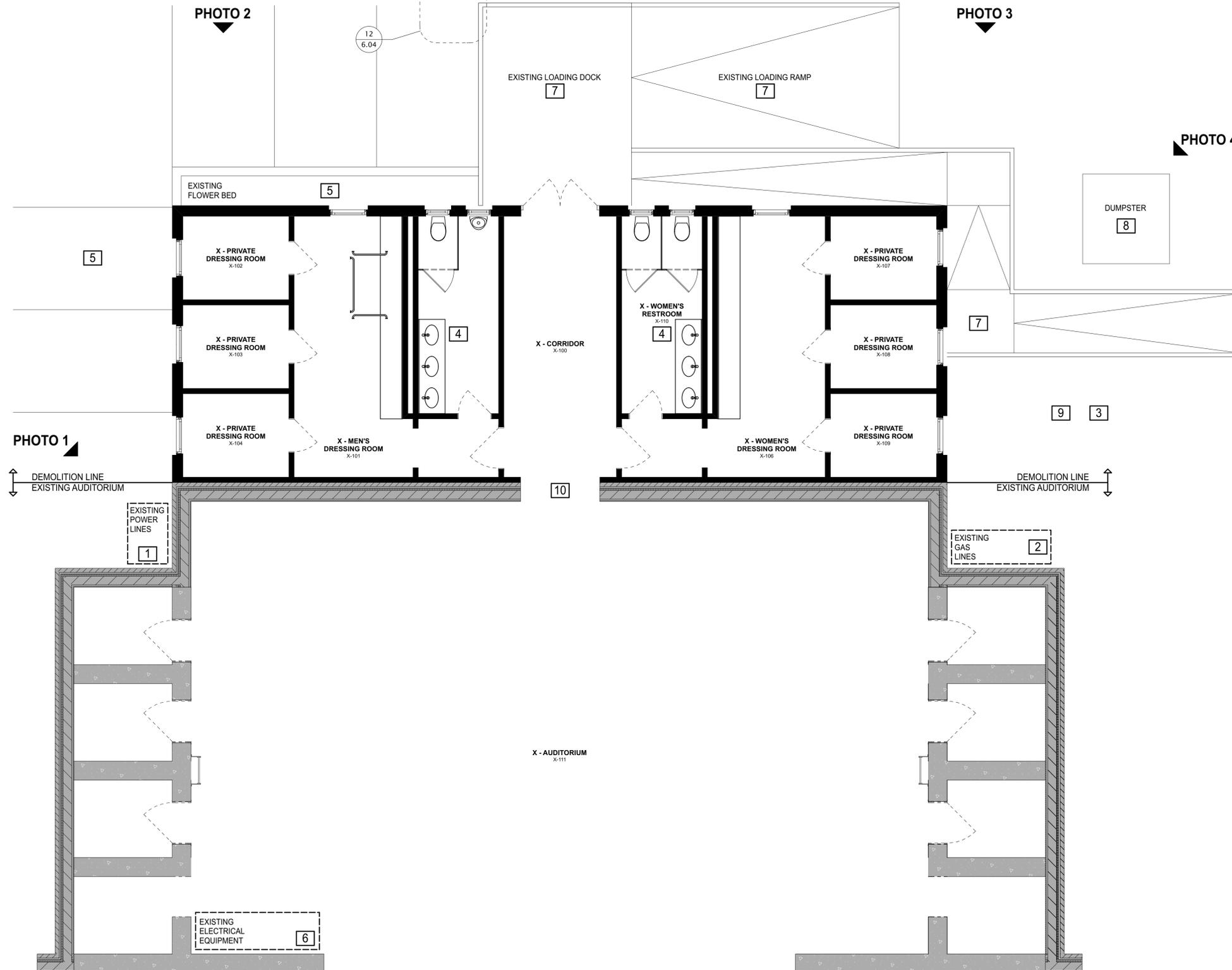
PHOTO 2



PHOTO 3



PHOTO 4



**EXISTING AND DEMOLITION FLOOR PLAN**

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



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ISSUED DATE  
**6/16/15**

SHEET TITLE  
**EXISTING AND DEMOLITION FLOOR PLAN**

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET  
**A1.02**

**GENERAL DEMOLITION NOTES**

THE ADDITION TO THE ROME CITY AUDITORIUM IS TO BE DEMOLISHED COMPLETELY, INCLUDING FOOTINGS, FOUNDATION, AND ALL MECHANICAL, ELECTRICAL, PLUMBING, AND ARCHITECTURAL ELEMENTS.

STRUCTURE OF THE STAGE CAN ONLY HANDLE THE SMALLEST, LIGHTEST LIFT. CONTRACTOR TO VERIFY CAPACITY PRIOR TO LOADING.

**DEMOLITION TAGS**

- 1 RELOCATE POWER LINES, SEE ELECTRICAL DRAWINGS
- 2 DEMOLISH ALL EXISTING STAGE EQUIPMENT, INCLUDING RIGGING, PULLEYS, LIGHTING, CURTAINS, ETC., SEE BARBIZON DRAWINGS
- 3 DEMOLISH EXISTING ELECTRICAL EQUIPMENT AS REQUIRED BY ELECTRICAL DRAWINGS AND SPECIFICATIONS
- 4 EXISTING MECHANICAL EQUIPMENT AND AIR HANDLER UNIT TO BE REMOVED, DUCT WORK TO REMAIN IN PLACE PER MECHANICAL DRAWINGS
- 5 HISTORIC PIN RAIL TO REMAIN IN PLACE, PROTECT DURING DEMOLITION AND CONSTRUCTION
- 6 EXISTING MECHANICAL EQUIPMENT TO BE REMOVED, CUT STRUCTURE TO BELOW PARAPET, FLASH AND CAP AS REQUIRED TO MAINTAIN ROOF IMPERMIABILITY

**PLAN LEGEND**

- NEW
- DEMOLISH
- EXISTING
- 45° EXISTING DOORS
- 90° NEW DOORS

**EXISTING SITE PHOTOS**



PHOTO 1



PHOTO 2

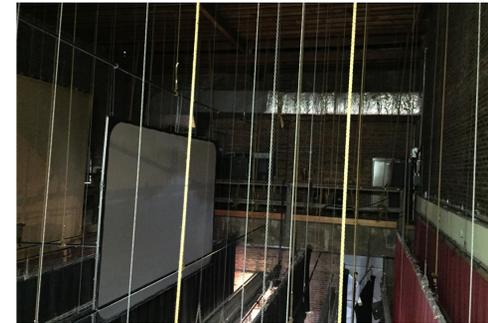
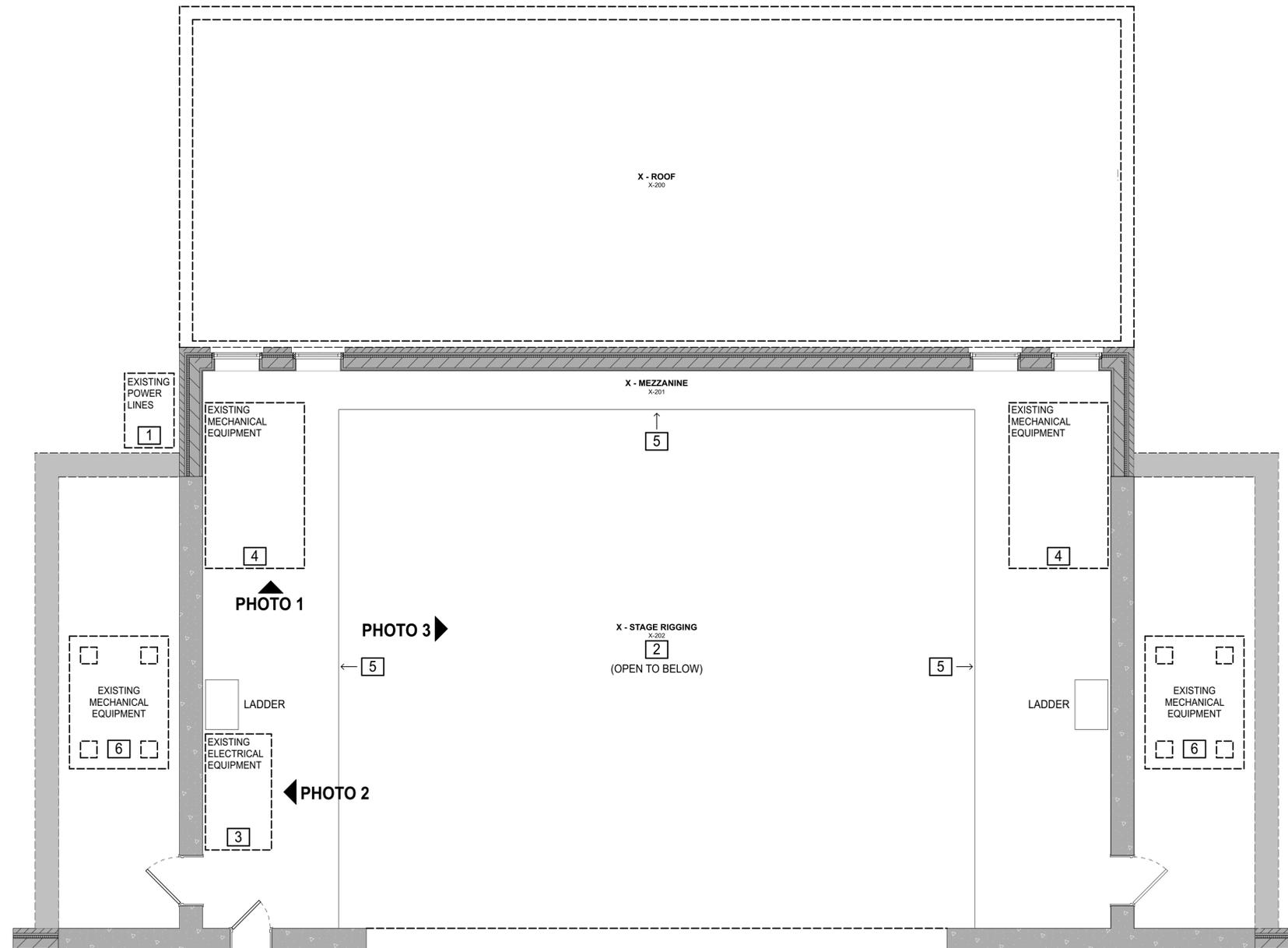


PHOTO 3



1 EXISTING AND DEMOLITION MEZZANINE PLAN  
SCALE: 1/4" = 1'-0"



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EXISTING AND DEMOLITION  
MEZZANINE PLAN

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

**A1.03**

### NEW SITE PLAN NOTES

CONSTRUCTION OF A TWO STORY ADDITION WITH THE SAME FOOTPRINT AS THE PREVIOUS, 1990's ADDITION

### NEW SITE PLAN TAGS

- [A]** EXISTING SUB-SURFACE DRAIN INLET, PROTECT
- [B]** EXISTING GAS LINES AND METERS, PROTECT WITH NEW SCREEN WALL
- [C]** NEW LOCATION OF TRASH DUMPSTER, ENCLOSE WITH NEW BRICK SCREEN WALL WITH LOCKING GATE
- [D]** NEW CONCRETE LOADING RAMP
- [E]** NEW, COVERED CONCRETE LOADING DOCK
- [F]** NEW, ADA COMPLIANT PEDESTRIAN RAMP
- [G]** NEW FLOWER PLANTER WITH VEGETATION
- [H]** STAGING AREA FOR CONSTRUCTION

### EXISTING STRUCTURE



### NEW ADDITION



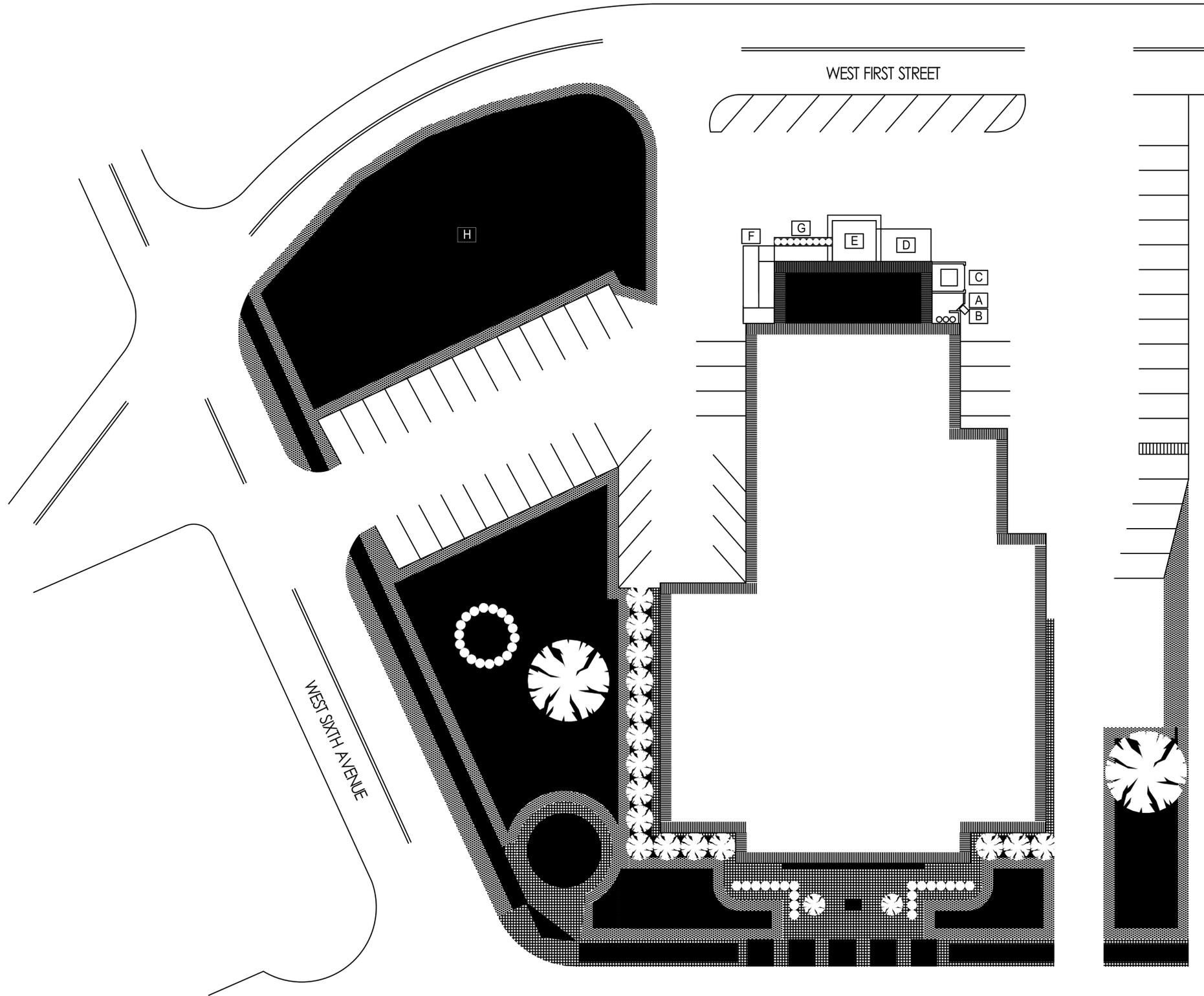
### EXISTING GREEN SPACE



### EXISTING SIDEWALK



### EXISTING VEGETATION



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NEW SITE PLAN

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

# A1.04

### GENERAL PLAN NOTES

CONSTRUCTION OF A TWO-STORY ADDITION WITH THE SAME FOOTPRINT AS THE PREVIOUS STRUCTURE.

SEE STRUCTURAL DRAWINGS FOR FOOTING AND FOUNDATION DESIGN.

DUE TO THE PROXIMITY OF THE PROJECT TO THE EXISTING AUDITORIUM STRUCTURE, MINIMAL VIBRATION MUST BE CREATED DURING ALL DEMOLITION AND CONSTRUCTION. IF ANY DAMAGE OCCURS TO THE EXISTING AUDITORIUM STRUCTURE, IMMEDIATELY STOP WORK AND CONTACT THE ARCHITECT.

DURING CONSTRUCTION, PROTECT STAGE, NEW STAGE EQUIPMENT, RIGGING, PULLEYS, LIGHTING, CURTAINS, ETC.

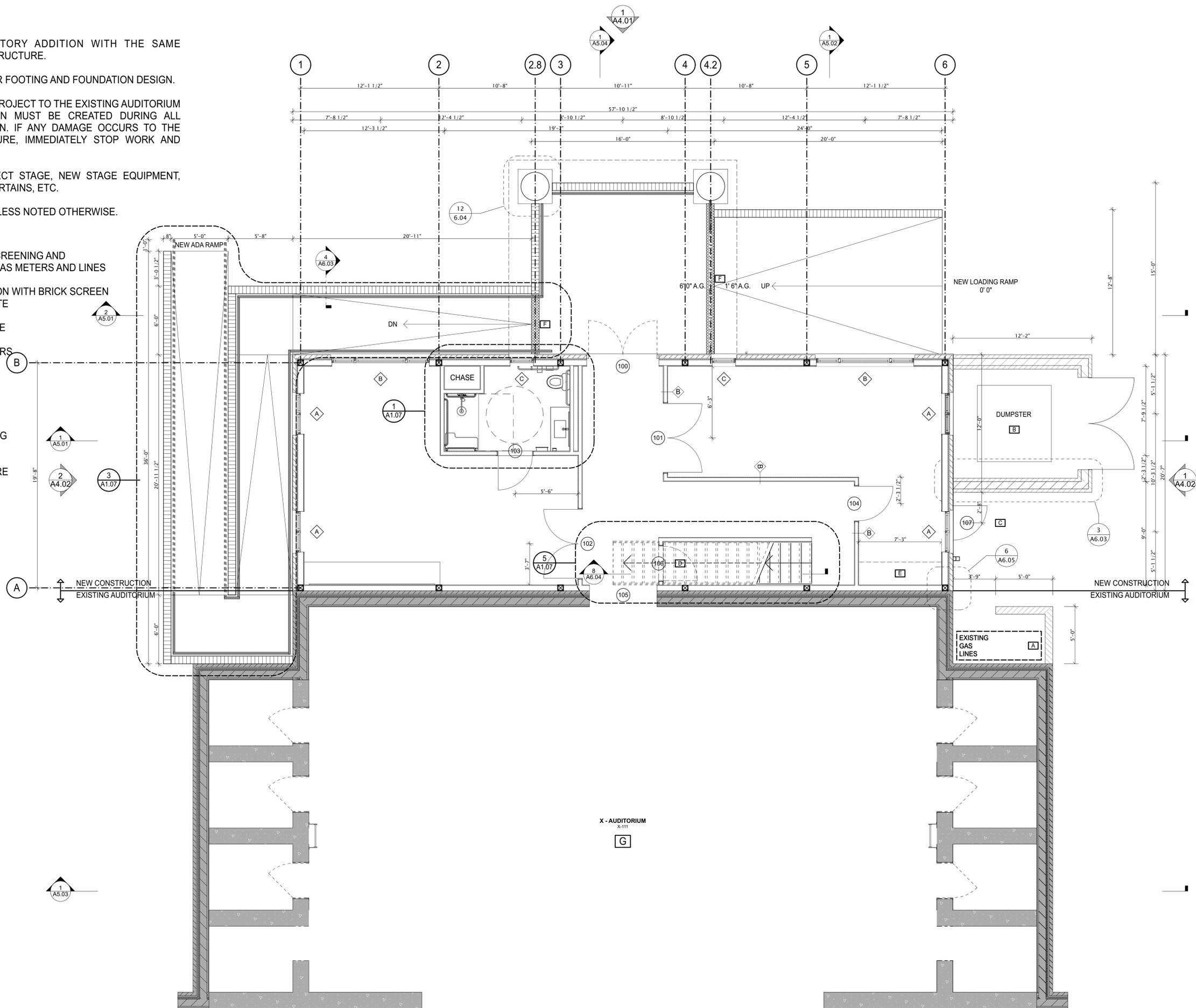
ALL PARTITIONS ARE TYPE "A" UNLESS NOTED OTHERWISE.

### PLAN TAGS

- A** NEW BRICK WALL FOR SCREENING AND PROTECTING EXISTING GAS METERS AND LINES
- B** NEW DUMPSTER LOCATION WITH BRICK SCREEN WALL AND LOCKABLE GATE
- C** ACCESS TO CRAWL SPACE
- D** CLOSET UNDER THE STAIRS
- E** PREMANUFACTURED ADJUSTABLE SHELVING SYSTEM WITH UPRIGHT TRACK
- F** INSTALL TACTILE WARNING STRIP
- G** PATCH AND REPAIR ENTIRE STAGE, REFINISH TO MATCH EXISTING

### PLAN LEGEND

-  NEW
-  DEMOLISH
-  EXISTING
- 45° EXISTING DOORS
- 90° NEW DOORS



**1** NEW FIRST FLOOR PLAN  
SCALE: 1/4" = 1'-0"



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### WESLEY TURNER

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ph. 770 547 3551

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ATLANTA, GEORGIA 30318  
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www.barbizon.com



CITY OF ROME, GEORGIA  
**ROME CITY AUDITORIUM UPGRADES  
AND NEW ADDITION**  
601 BROAD STREET  
ROME, GEORGIA 30161

### CONSTRUCTION DOCUMENTS

PROJECT NUMBER  
**14047**  
ISSUED BY  
**CEVIAN® Design Lab, LLC**  
ISSUED DATE  
**6/16/15**  
SHEET TITLE  
**NEW FIRST FLOOR PLAN**

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

# A1.05

**GENERAL PLAN NOTES**

CONSTRUCTION OF A TWO-STORY ADDITION WITH THE SAME FOOTPRINT AS THE PREVIOUS STRUCTURE.

SEE STRUCTURAL DRAWINGS FOR FOOTING AND FOUNDATION DESIGN.

DUE TO THE PROXIMITY OF THE PROJECT TO THE EXISTING AUDITORIUM STRUCTURE, MINIMAL VIBRATION MUST BE CREATED DURING ALL DEMOLITION AND CONSTRUCTION. IF ANY DAMAGE OCCURS TO THE EXISTING AUDITORIUM STRUCTURE, IMMEDIATELY STOP WORK AND CONTACT THE ARCHITECT.

DURING CONSTRUCTION, PROTECT STAGE, NEW STAGE EQUIPMENT, RIGGING, PULLEYS, LIGHTING, CURTAINS, ETC.

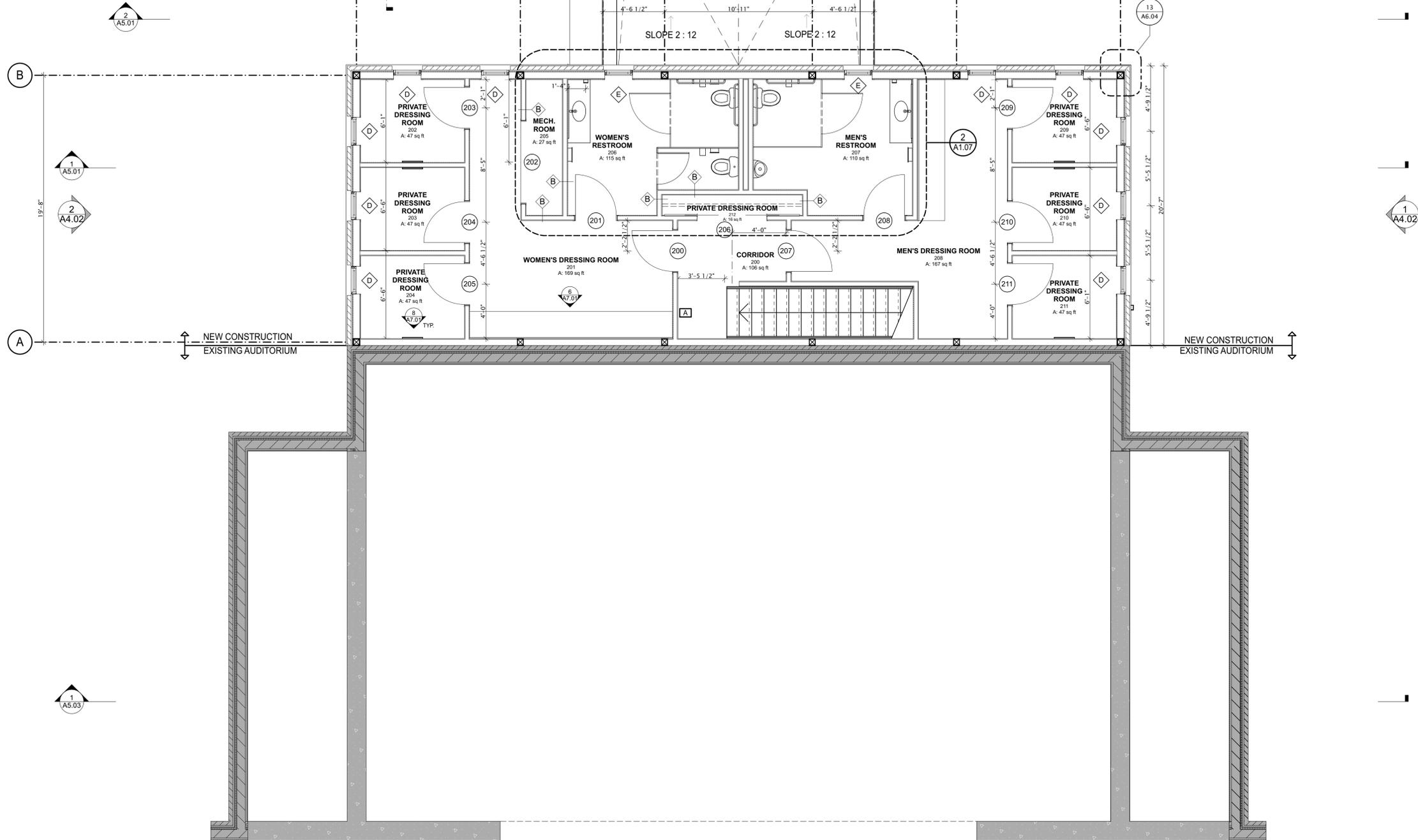
ALL PARTITIONS ARE TYPE "A" UNLESS NOTED OTHERWISE

**PLAN TAGS**

**A** BLOCKING FOR TACK BOARD BOARD, TACK BOARD PROVIDED BY OWNER

**PLAN LEGEND**

-  NEW
-  DEMOLISH
-  EXISTING
-  45° EXISTING DOORS
-  90° NEW DOORS



**1** NEW SECOND FLOOR PLAN  
SCALE: 1/4" = 1'-0"



**CEVIAN® DESIGN LAB, LLC**  
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**DRINKARD ENGINEERING GROUP, INC**  
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ph. 706.237.6013  
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**ALPHA OMEGA ENGINEERING, LLC**  
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**WESLEY TURNER**  
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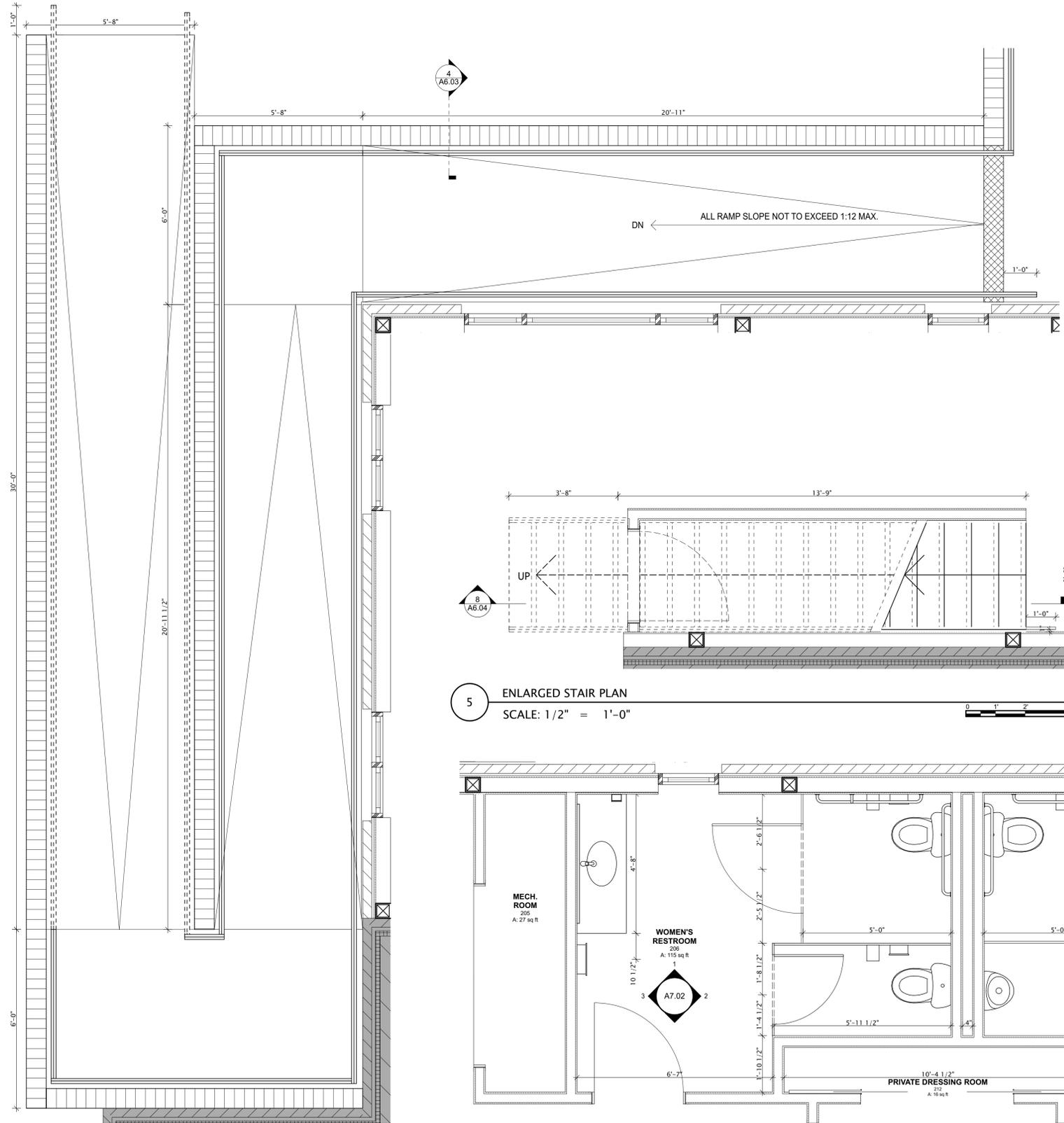
**BARBIZON CHARLOTTE, INC**  
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ISSUED DATE  
**6/16/15**  
SHEET TITLE  
**NEW SECOND FLOOR PLAN**

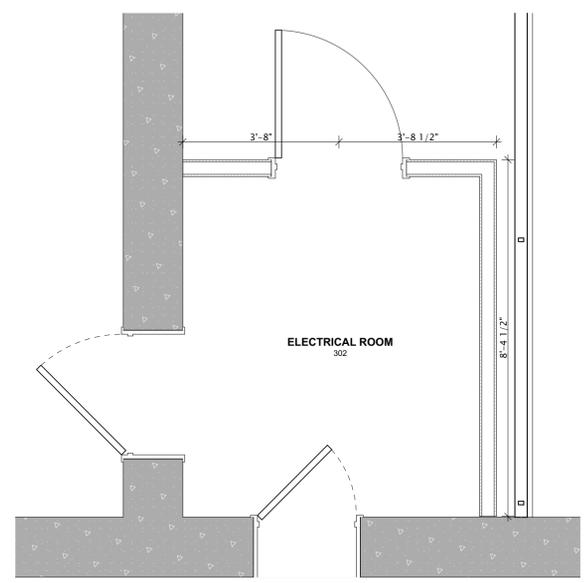
DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET  
**A1.06**



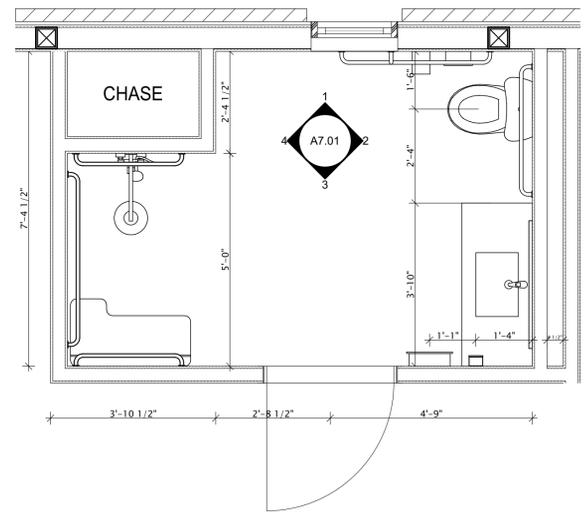
3 ENLARGED ADA RAMP PLAN  
SCALE: 1/2" = 1'-0"

2 ENLARGED SECOND FLOOR RESTROOM PLAN  
SCALE: 1/2" = 1'-0"

5 ENLARGED STAIR PLAN  
SCALE: 1/2" = 1'-0"



4 ENLARGED ELECTRICAL ROOM PLAN  
SCALE: 1/2" = 1'-0"



1 ENLARGED FIRST FLOOR ADA RESTROOM PLAN  
SCALE: 1/2" = 1'-0"



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SHEET TITLE  
NEW ENLARGED FLOOR PLANS

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET  
**A1.07**

**GENERAL PLAN NOTES**

CONSTRUCTION OF A TWO-STORY ADDITION WITH THE SAME FOOTPRINT AS THE PREVIOUS STRUCTURE.

SEE STRUCTURAL DRAWINGS FOR FOOTING AND FOUNDATION DESIGN.

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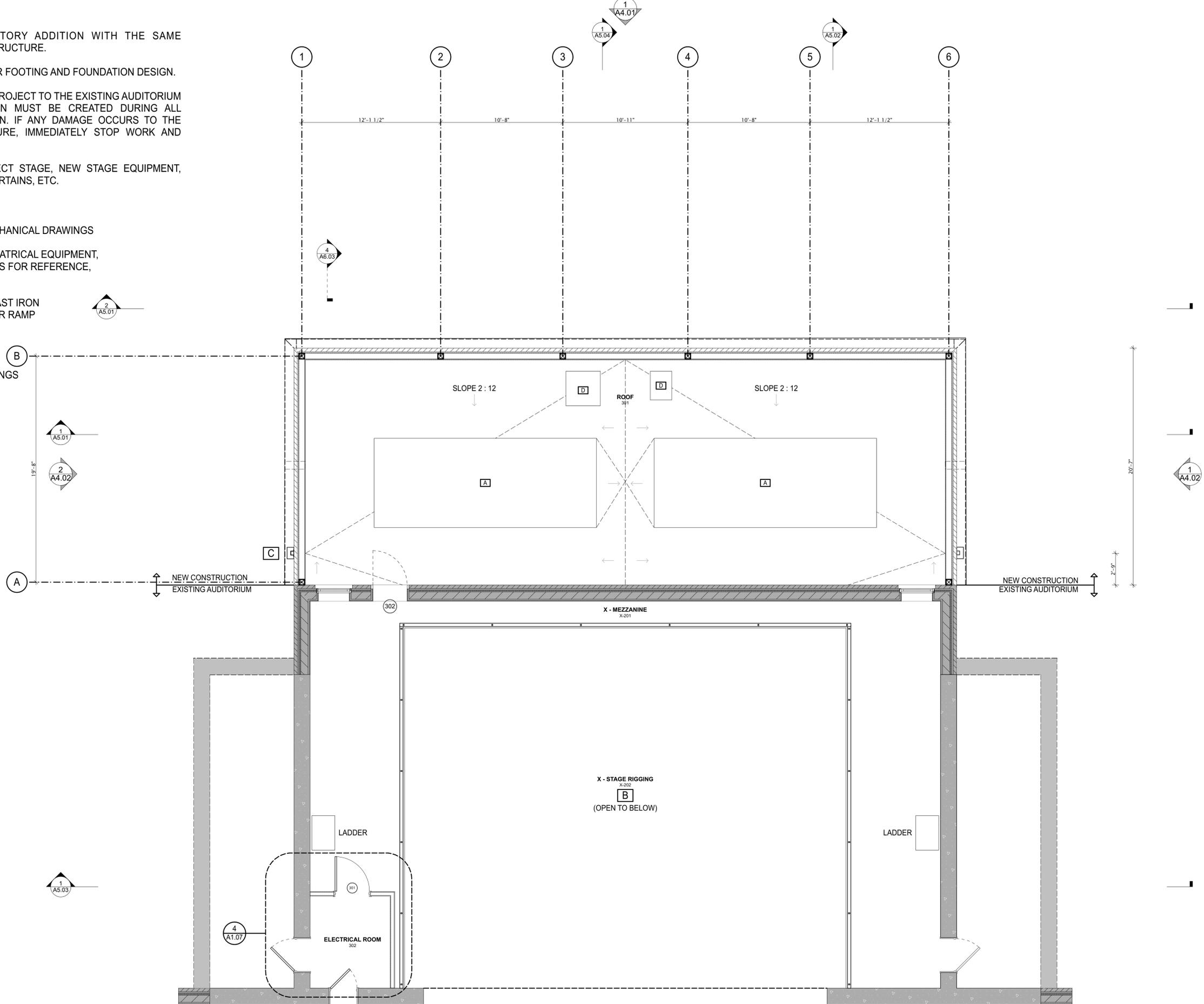
DURING CONSTRUCTION, PROTECT STAGE, NEW STAGE EQUIPMENT, RIGGING, PULLEYS, LIGHTING, CURTAINS, ETC.

**PLAN TAGS**

- A ROOFTOP UNIT, SEE MECHANICAL DRAWINGS
- B STAGE RIGGING AND THEATRICAL EQUIPMENT, SEE BARBIZON DRAWINGS FOR REFERENCE, NOT IN CONTRACT
- C TAKE DOWNSPOUT TO CAST IRON PIPE BOOT, CARRY UNDER RAMP TO DAYLIGHT
- D MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS

**PLAN LEGEND**

- NEW
- DEMOLISH
- EXISTING
- 45° EXISTING DOORS
- 90° NEW DOORS



**1** NEW ROOF AND MEZZANINE PLAN  
SCALE: 1/4" = 1'-0"



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SHEET TITLE  
**NEW ROOF PLAN**

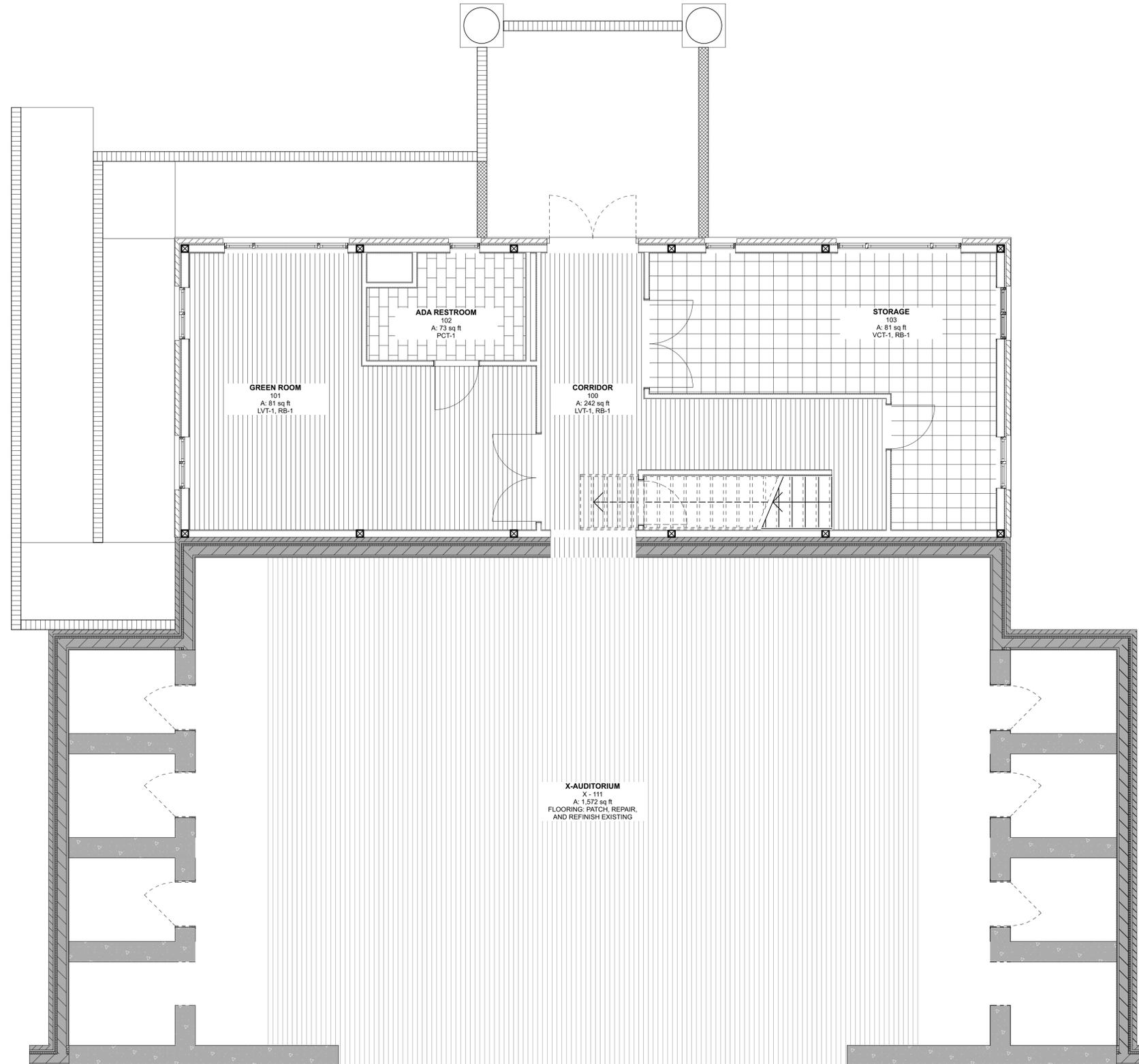
DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET  
**A1.08**

CODE	PRODUCT	MANUFACTURER	STYLE NAME	STYLE NUMBER	FINISH / COLOR	LOCATION	GENERAL NOTES
LVT-1	7" X 48" LUXURY VINYL TILE	SHAW HARD SURFACE	GRAIN	0364V	CHAR 64549	PER NEW FINISH PLANS	
VCT-1	12" X 12" VINYL COMPOSITION TILE	TBD	TBD	TBD	TBD	PER NEW FINISH PLANS	
PCT-1	12" X 24" PORCELAIN TILE	DALTILE COLORBODY PORCELAIN	KIMONA SILK	N/A	IMPERIAL GRAY P326	PER NEW FINISH PLANS AND INTERIOR ELEVATIONS	1/8" GROUT JOINT WITH MEDIUM TILE VARIATION, RUNNING BOND
MGT-1	1" X 1" MOSAIC GLASS TILE BLEND	AMERICAN OLEAN	LEGACY GLASS	N/A	RED BLEND LG23	PER NEW FINISH PLANS AND INTERIOR ELEVATIONS	6" BAND ABOVE WALL TILE IN WOMEN'S RESTROOM, SEE A7.01 AND A7.02
MGT-1	1" X 1" MOSAIC GLASS TILE BLEND	AMERICAN OLEAN	LEGACY GLASS	N/A	BLUE BLEND LG20	PER NEW FINISH PLANS AND INTERIOR ELEVATIONS	6" BAND ABOVE WALL TILE IN MEN'S RESTROOM, SEE A7.01 AND A7.02
MGT-1	1" X 1" MOSAIC GLASS TILE BLEND	AMERICAN OLEAN	LEGACY GLASS	N/A	HAZEL LG02, PALM LG30	PER NEW FINISH PLANS AND INTERIOR ELEVATIONS	6" BAND ABOVE WALL TILE IN ADA RESTROOM, SEE A7.01 AND A7.02
PT-1	PAINT	PPG PITTSBURGH PAINTS	GYPSUM	PPG-1006-1	EGGSHELL	PER NEW FINISH PLANS	SEE PAINT SPECIFICATIONS FOR ADDITIONAL INFORMATION
PT-2	PAINT	PPG PITTSBURGH PAINTS	STEPPING STONE	PPG-1010-4	EGGSHELL	PER NEW FINISH PLANS	SEE PAINT SPECIFICATIONS FOR ADDITIONAL INFORMATION
PT-3	PAINT	PPG PITTSBURGH PAINTS	PLYMOUTH BLUE	PPG-13-27	EGGSHELL	PER NEW FINISH PLANS	SEE PAINT SPECIFICATIONS FOR ADDITIONAL INFORMATION
PT-4	PAINT	PPG PITTSBURGH PAINTS	BLAZE	PPG 13-16	EGGSHELL	PER NEW FINISH PLANS	SEE PAINT SPECIFICATIONS FOR ADDITIONAL INFORMATION
RB-1	4" RUBBER BASE	BURKE	TBD	TBD	TBD	PER NEW FINISH PLANS	
CT-1	3CM QUARTZ COUNTERTOP	VT INDUSTRIES GEOSCAPES	TRU QUARTZ	N/A	BEARTOOTH PASS	PER NEW FINISH PLANS AND INTERIOR ELEVATIONS	

**PLAN LEGEND**

- NEW
- DEMOLISH
- EXISTING
- 45° EXISTING DOORS
- 90° NEW DOORS

**GENERAL NOTES :**  
 ALL ROOMS TO RECEIVE NEW PAINT, ALL WALLS  
 ALL GYP. BD. CEILING TO RECEIVE NEW PAINT



**1** FIRST FLOOR FINISH PLAN  
 SCALE: 1/4" = 1'-0"



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**NEW FIRST FLOOR FINISH PLAN**

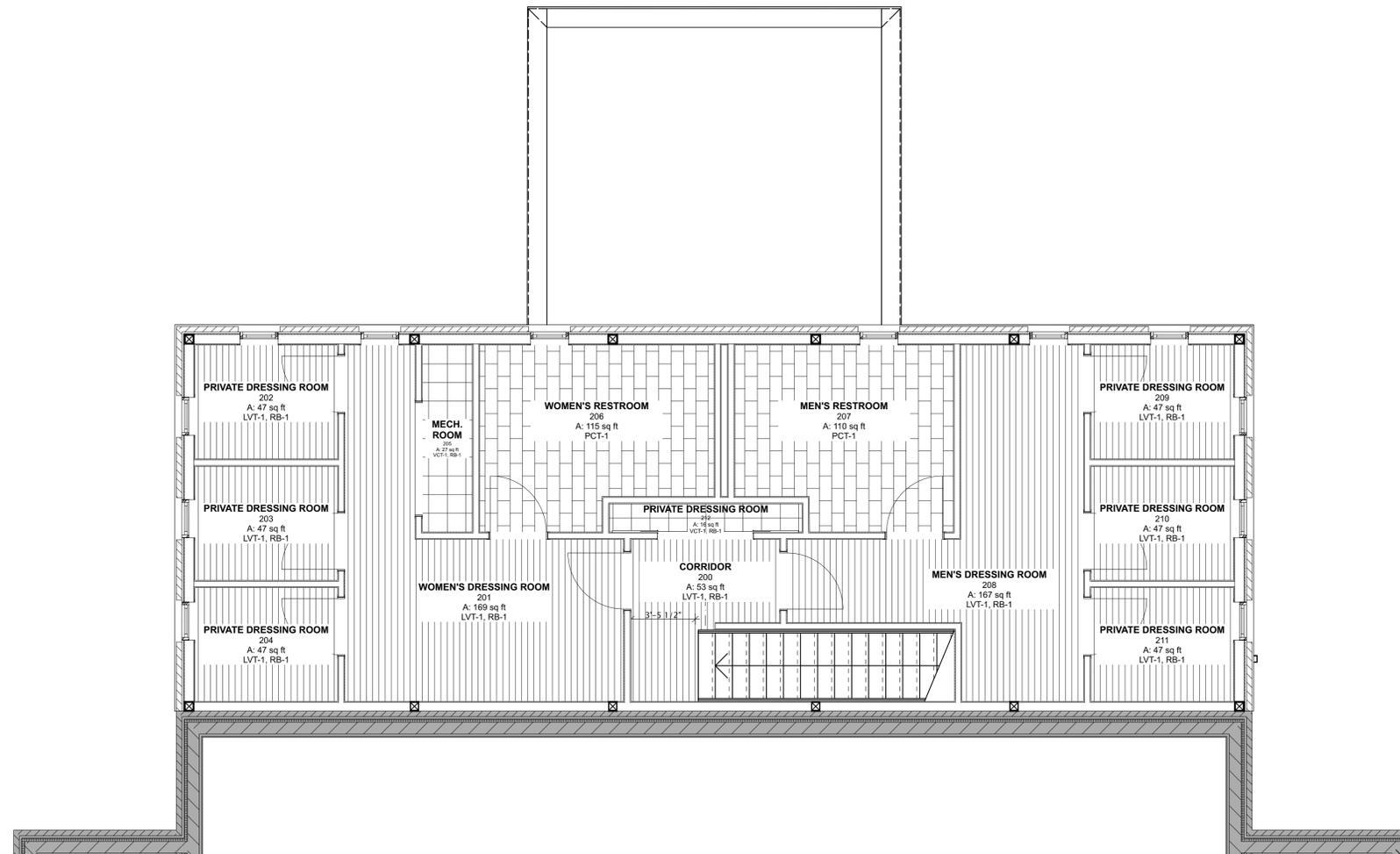
DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET  
**A2.01**

CODE	PRODUCT	MANUFACTURER	STYLE NAME	STYLE NUMBER	FINISH / COLOR	LOCATION	GENERAL NOTES
LVT-1	7" X 48" LUXURY VINYL TILE	SHAW HARD SURFACE	GRAIN	0364V	CHAR 64549	PER NEW FINISH PLANS	
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PT-3	PAINT	PPG PITTSBURGH PAINTS	PLYMOUTH BLUE	PPG-13-27	EGGSHELL	PER NEW FINISH PLANS	SEE PAINT SPECIFICATIONS FOR ADDITIONAL INFORMATION
PT-4	PAINT	PPG PITTSBURGH PAINTS	BLAZE	PPG 13-16	EGGSHELL	PER NEW FINISH PLANS	SEE PAINT SPECIFICATIONS FOR ADDITIONAL INFORMATION
RB-1	4" RUBBER BASE	BURKE	TBD	TBD	TBD	PER NEW FINISH PLANS	
CT-1	3CM QUARTZ COUNTERTOP	VT INDUSTRIES GEOSCAPES	TRU QUARTZ	N/A	BEARTOOTH PASS	PER NEW FINISH PLANS AND INTERIOR ELEVATIONS	

**PLAN LEGEND**

- NEW
- DEMOLISH
- EXISTING
- 45° EXISTING DOORS
- 90° NEW DOORS

**GENERAL NOTES :**  
 ALL ROOMS TO RECEIVE NEW PAINT, ALL WALLS  
 ALL GYP. BD. CEILING TO RECEIVE NEW PAINT



**1** NEW SECOND FLOOR FINISH PLAN  
 SCALE: 1/4" = 1'-0"



**CEVIAN® DESIGN LAB, LLC**

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 SHEET TITLE  
**NEW SECOND FLOOR FINISH PLAN**

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

**A2.02**





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**1 EXTERIOR BUILDING NORTH ELEVATION**

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



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SHEET TITLE  
**NORTH EXTERIOR BUILDING  
ELEVATION**

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

**A4.01**



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+50'-0"  
6 TOP OF EXISTING AUDITORIUM

+36'-0"  
5 TOP OF PARAPET

+28'-0"  
4 ROOF LEVEL

+17'-0"  
3 2nd FLOOR

+6'-0"  
2 1st FLOOR

+0"  
1 GROUND LEVEL

-3'-0"  
-1 BASEMENT

**2** EXTERIOR BUILDING WEST ELEVATION

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



**1** EXTERIOR BUILDING EAST ELEVATION

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



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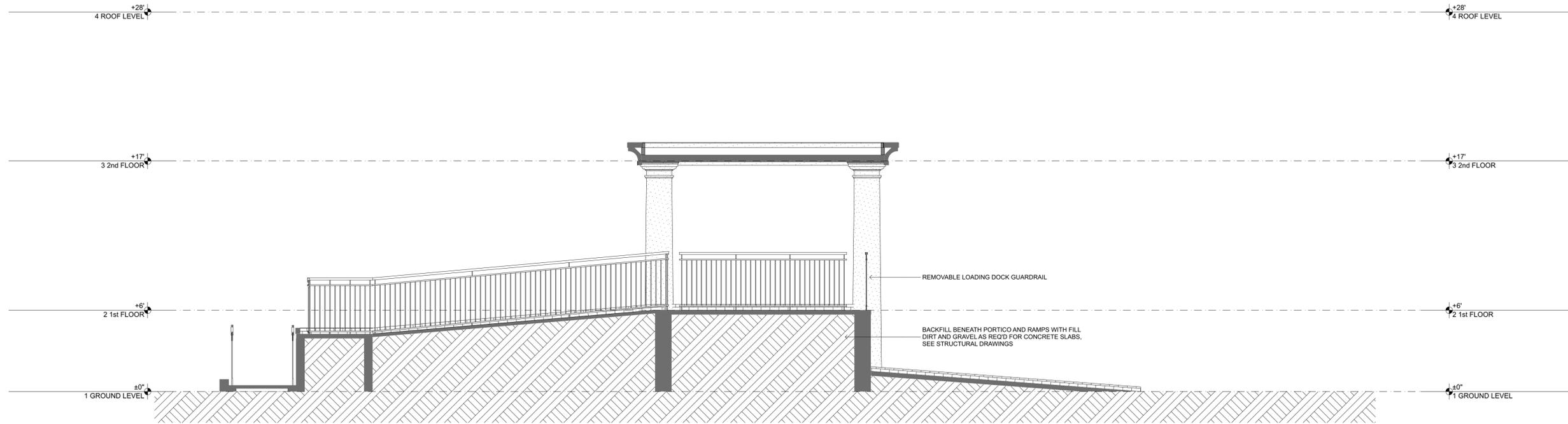
6/16/15

SHEET TITLE

EAST AND WEST EXTERIOR  
BUILDING ELEVATION

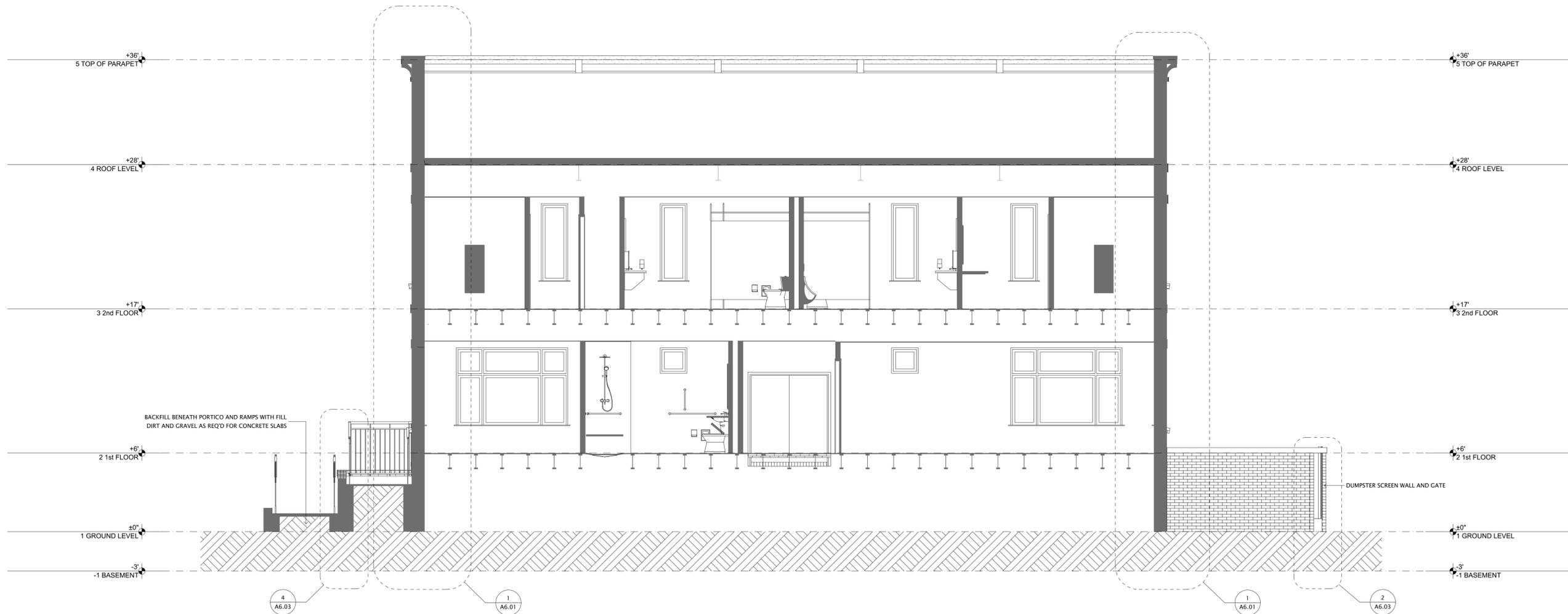
DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

**A4.02**



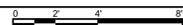
2 BUILDING SECTION THROUGH PORTICO

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



1 LONGITUDINAL BUILDING SECTION

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



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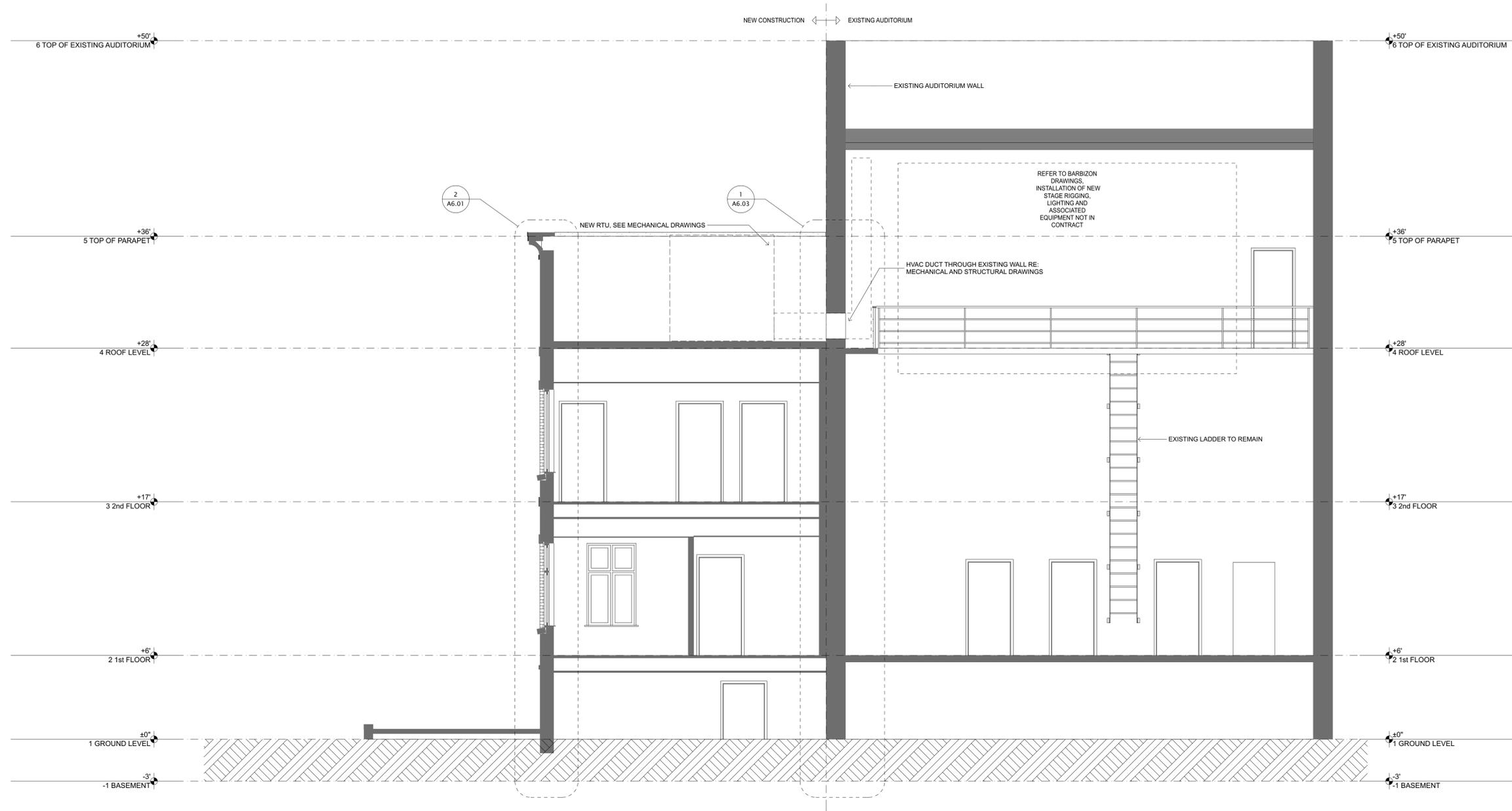
6/16/15

SHEET TITLE

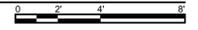
BUILDING SECTIONS

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

**A5.01**



**1** TRANSVERSE BUILDING SECTION  
SCALE: 1/4" = 1'-0"



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1463 CHATTAHOOCHEE AVENUE, NW, SUITE D  
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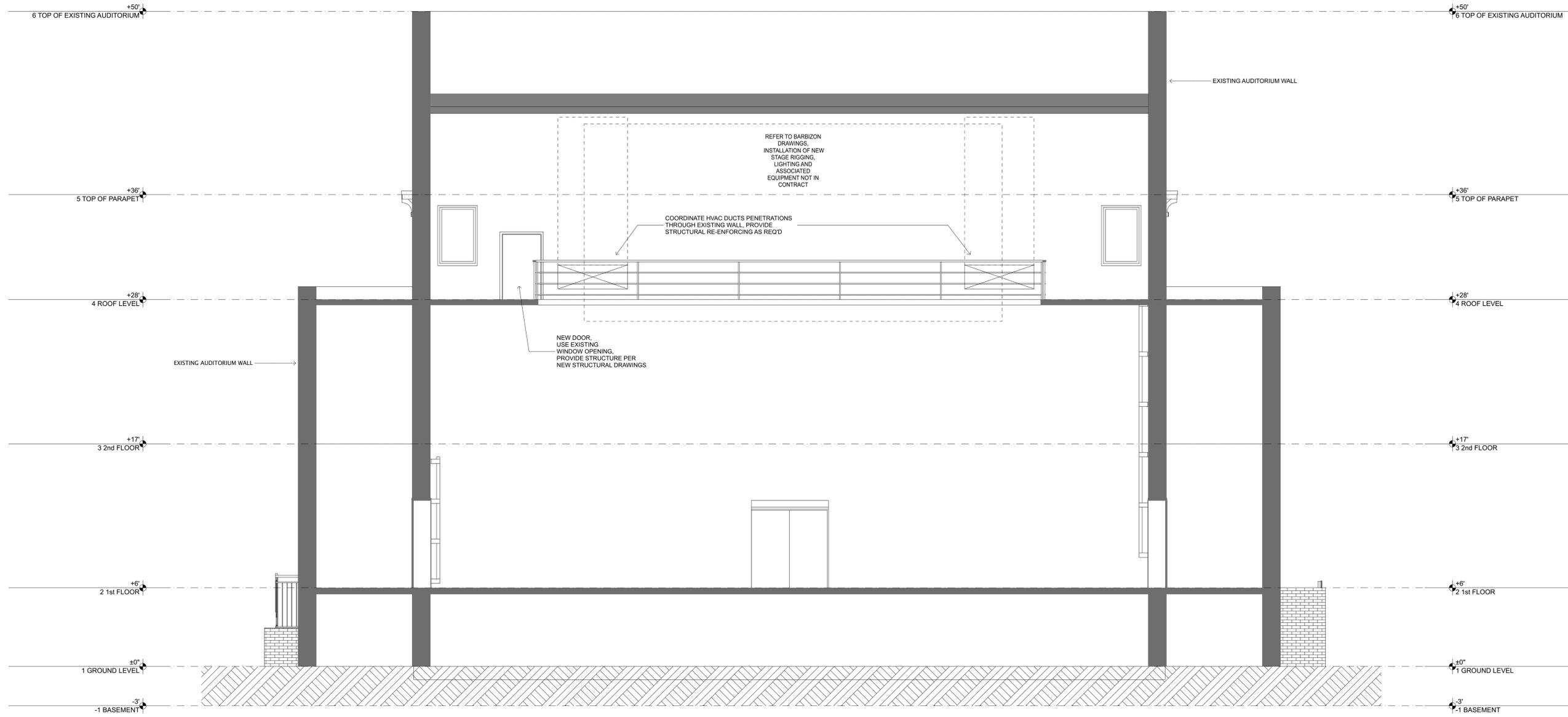


CITY OF ROME, GEORGIA  
**ROME CITY AUDITORIUM UPGRADES  
AND NEW ADDITION**  
601 BROAD STREET  
ROME, GEORGIA 30161

CONSTRUCTION DOCUMENTS  
PROJECT NUMBER  
**14047**  
ISSUED BY  
**CEVIAN® Design Lab, LLC**  
ISSUED DATE  
**6/16/15**  
SHEET TITLE  
**BUILDING SECTIONS**

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

**A5.02**



**1** BUILDING SECTION THROUGH AUDITORIUM  
 SCALE: 1/4" = 1'-0"



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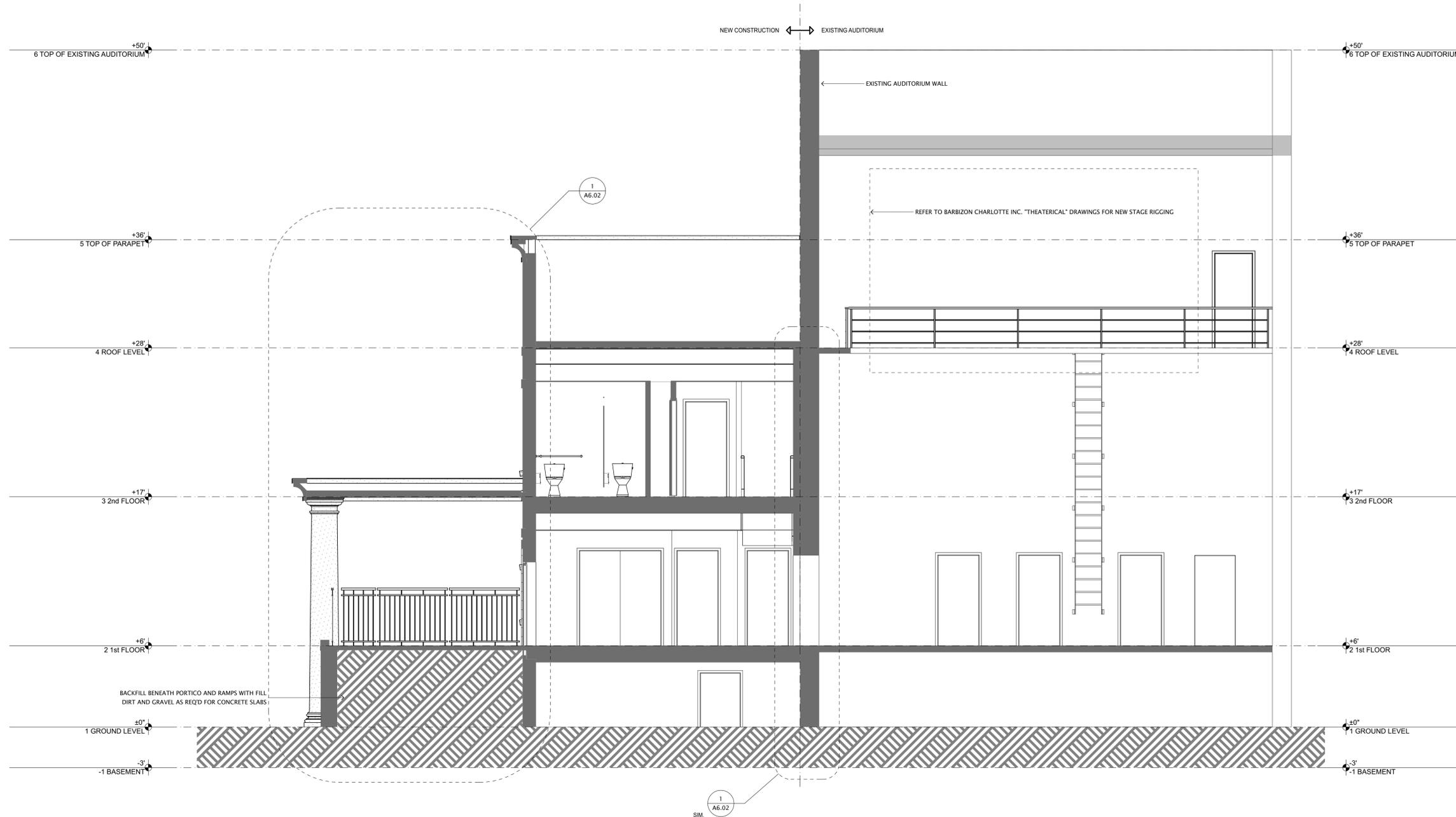
ISSUED BY  
**CEVIAN® Design Lab, LLC**

ISSUED DATE  
**6/16/15**

SHEET TITLE  
**BUILDING SECTIONS**

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

**A5.03**



**1** TRANSVERSE BUILDING SECTION

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



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SHEET TITLE

BUILDING SECTIONS

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

**A5.04**



1 WALL SECTION

SCALE: 3/4" = 1'-0"

2 WALL SECTION

SCALE: 3/4" = 1'-0"

CONSTRUCTION DOCUMENTS

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SHEET TITLE  
WALL SECTIONS

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

A6.01

CITY OF ROME, GEORGIA

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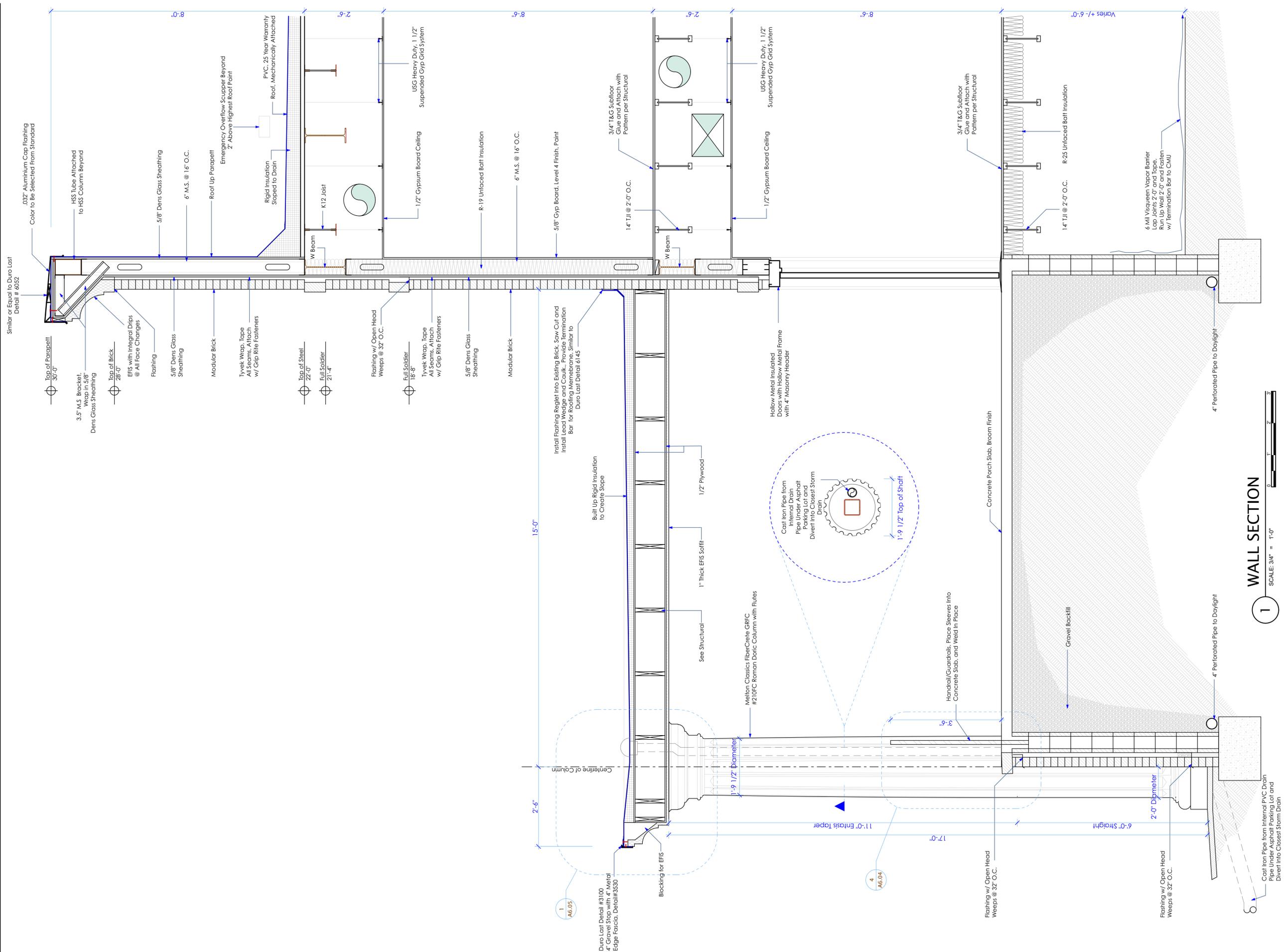
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**1 WALL SECTION**  
 SCALE: 3/4" = 1'-0"



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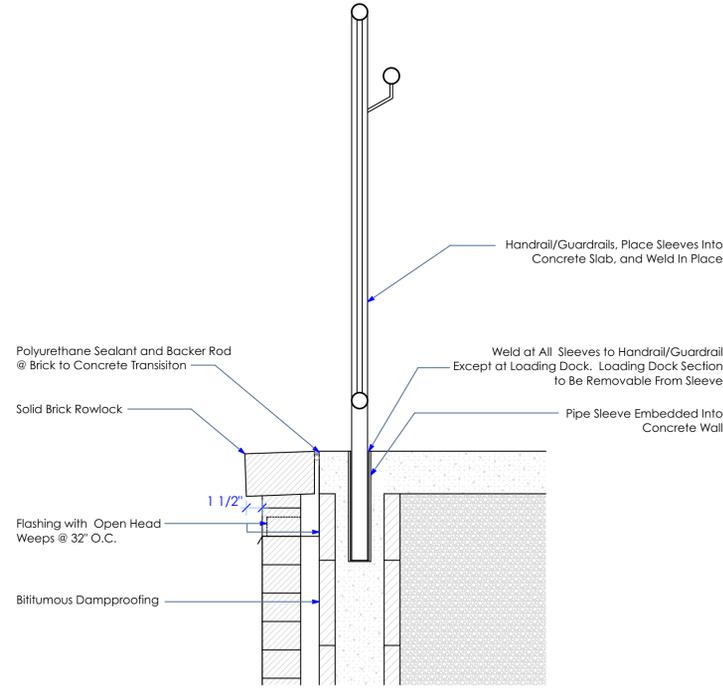


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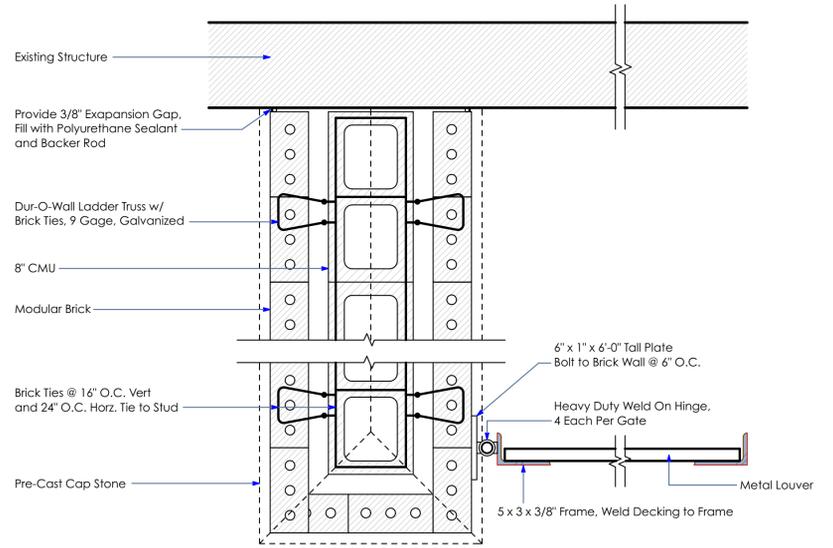
CONSTRUCTION DOCUMENTS  
 PROJECT NUMBER  
 14047  
 ISSUED BY  
 CEVIAN® Design Lab, LLC  
 ISSUED DATE  
 6/16/15  
 SHEET TITLE  
 WALL SECTIONS

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

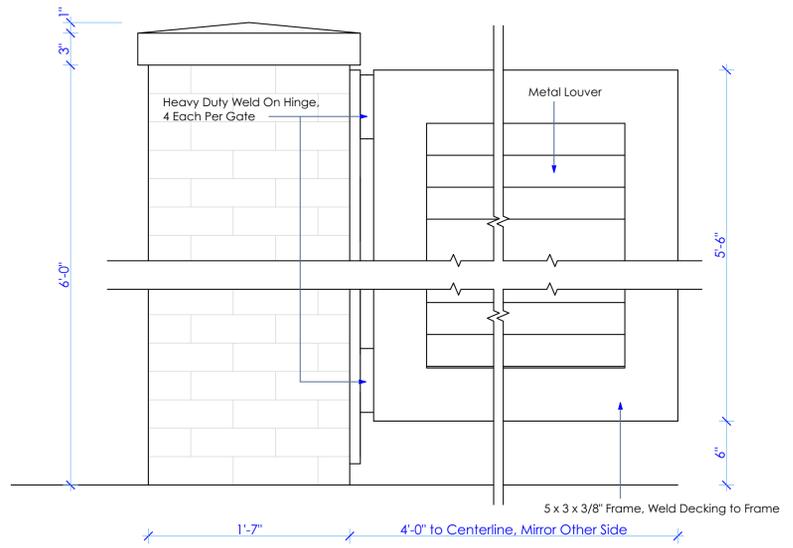
**A6.02**



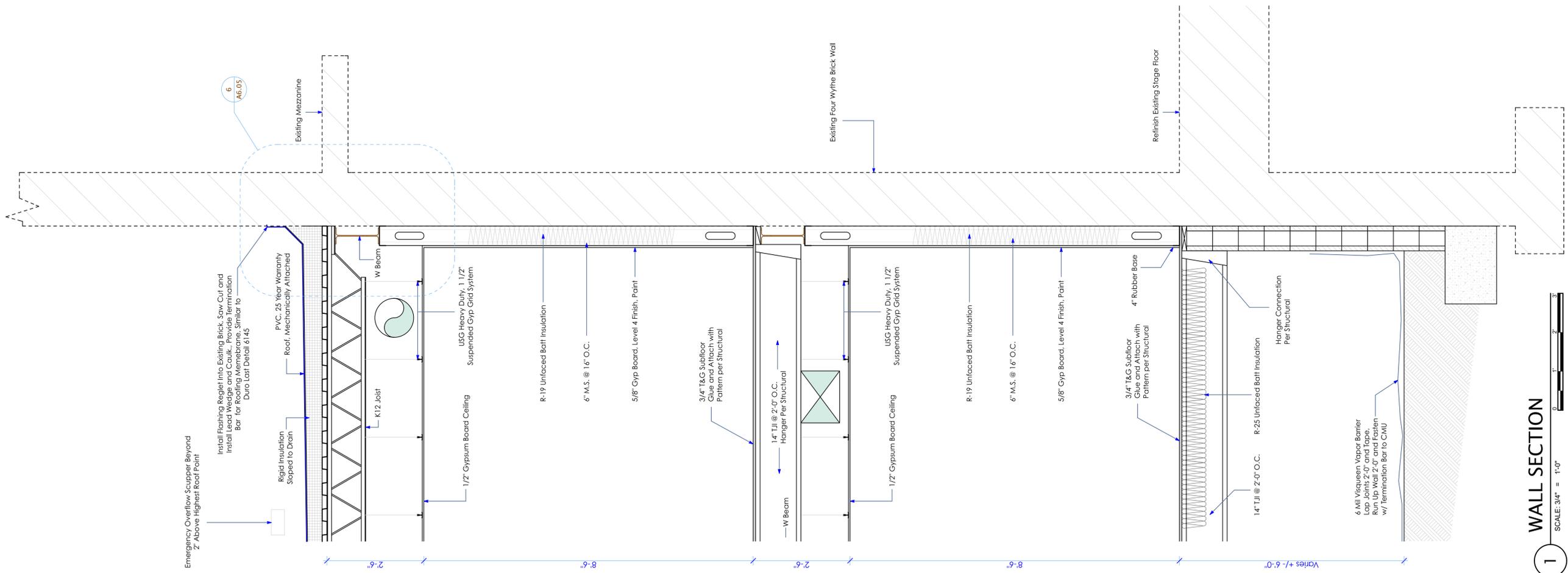
**4 RAMP DETAIL**  
SCALE: 1 1/2" = 1'-0"  
0 6" 12" 18"



**3 DUMPSTER WALL DETAIL**  
SCALE: 1 1/2" = 1'-0"  
0 6" 12" 18"



**2 DUMPSTER WALL DETAIL**  
SCALE: 1 1/2" = 1'-0"  
0 6" 12" 18"



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



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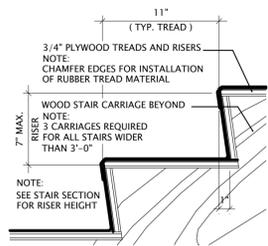
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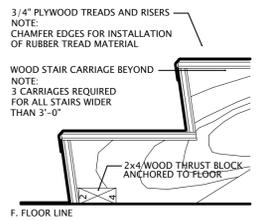
CITY OF ROME, GEORGIA  
**ROME CITY AUDITORIUM UPGRADES AND NEW ADDITION**  
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CONSTRUCTION DOCUMENTS  
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**6/16/15**  
SHEET TITLE  
**WALL SECTIONS**

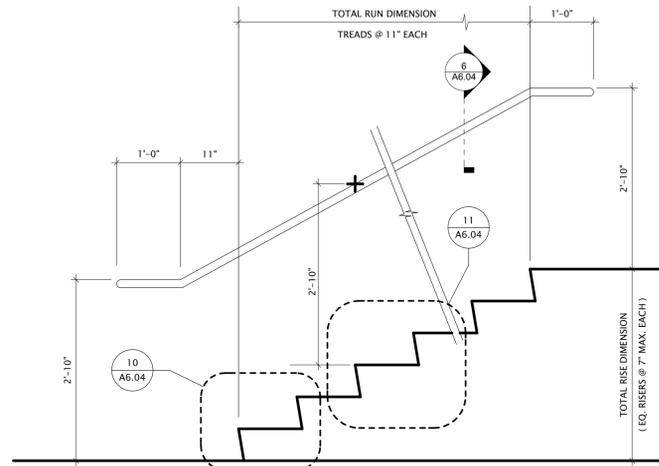
DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET  
**A6.03**



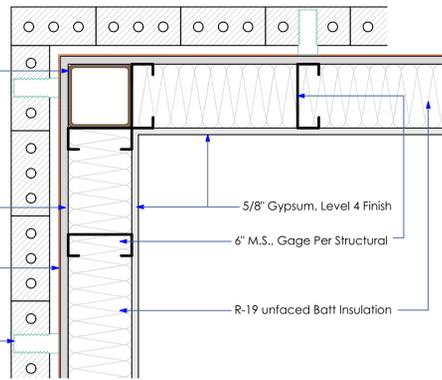
**11** STAIR DETAILS  
SCALE: 1 1/2" = 1'-0"



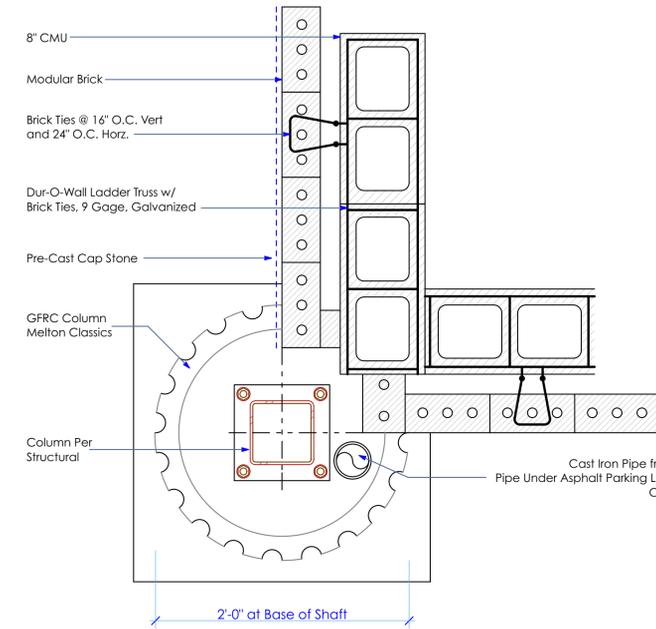
**10** STAIR DETAIL  
SCALE: 1 1/2" = 1'-0"



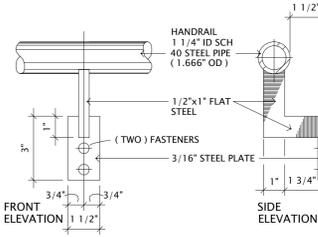
**8** STAIR DETAIL  
SCALE: 3/4" = 1'-0"



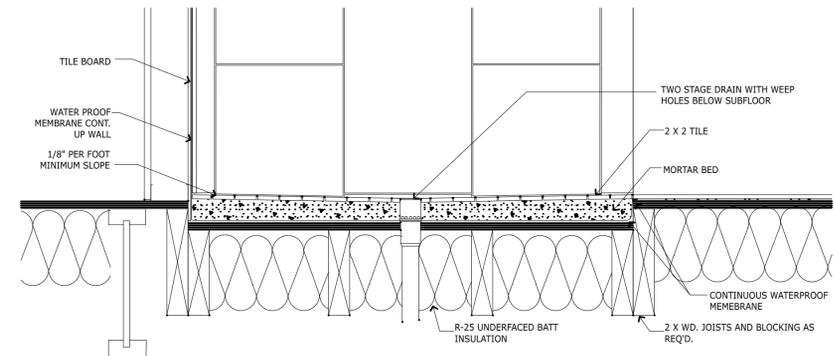
**13** DETAIL  
SCALE: 1 1/2" = 1'-0"



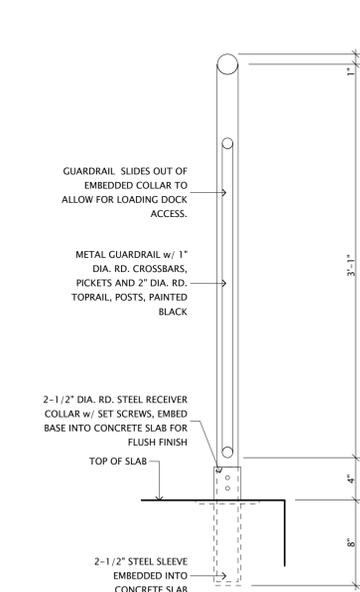
**12** COLUMN DETAIL  
SCALE: 1 1/2" = 1'-0"



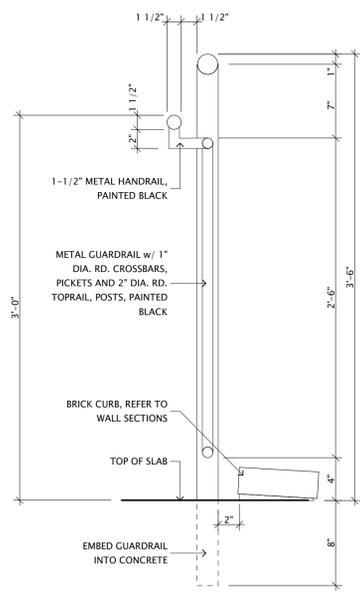
**6** STAIR HANDRAIL DETAIL  
SCALE: 3" = 1'-0"



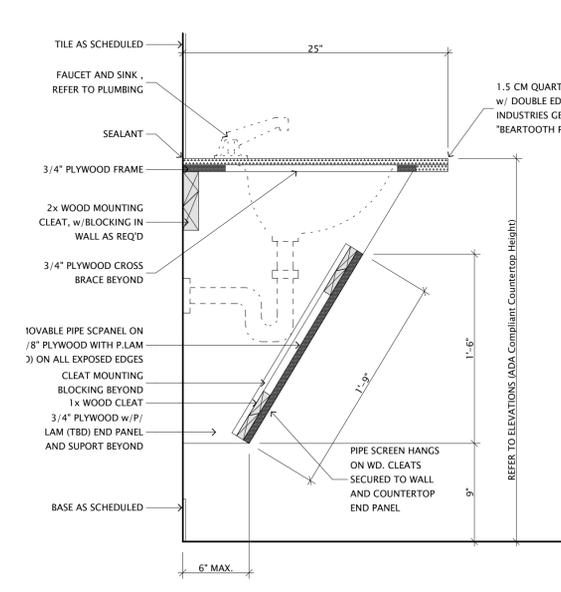
**5** ADA SHOWER DETAIL  
SCALE: 1 1/2" = 1'-0"



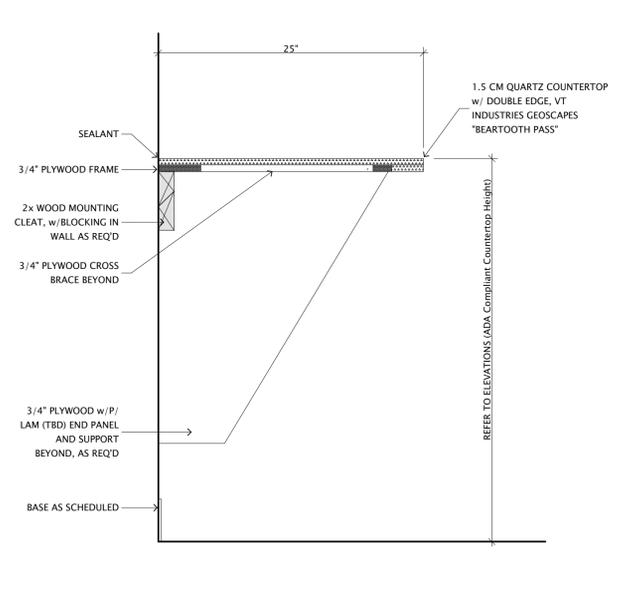
**4** LOADING DOCK GUARDRAIL DETAIL  
SCALE: 1 1/2" = 1'-0"



**3** RAMP GUARD/HANDRAIL DETAIL  
SCALE: 1 1/2" = 1'-0"



**2** ADA RESTROOM COUNTER TOP  
SCALE: 1 1/2" = 1'-0"



**1** ADA DRESSING ROOM COUNTER TOP  
SCALE: 1 1/2" = 1'-0"



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PROJECT NUMBER

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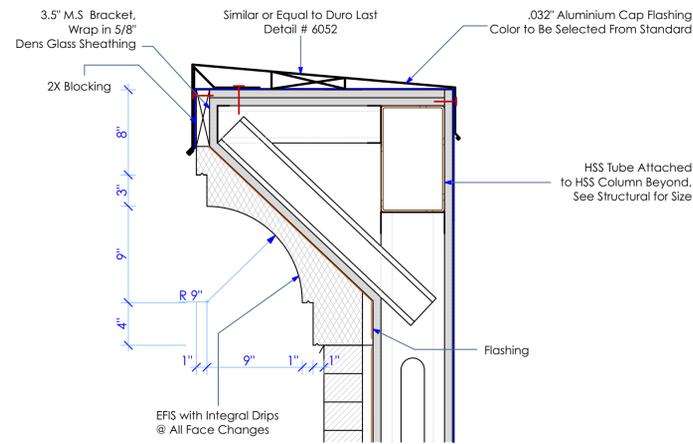
6/16/15

SHEET TITLE

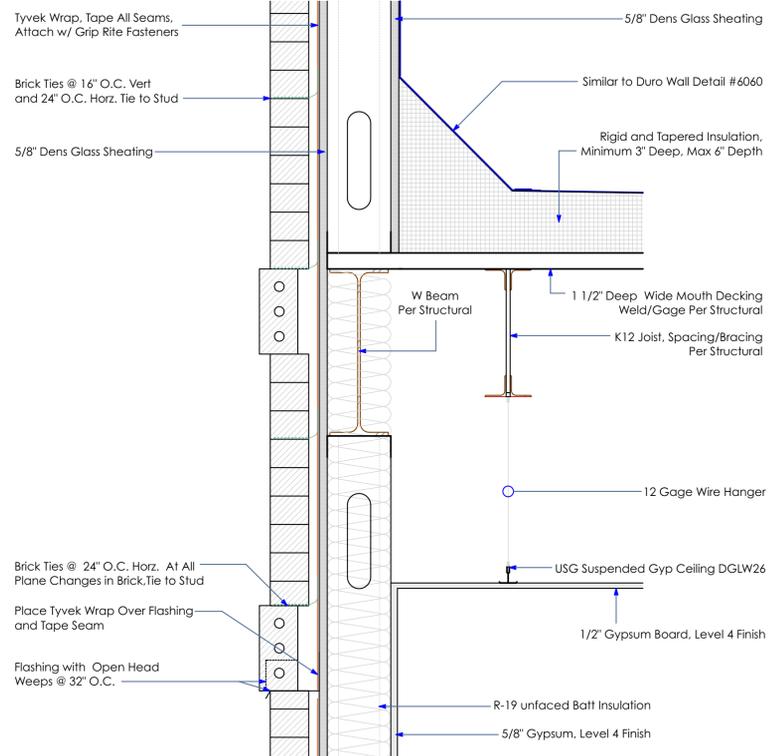
SECTION DETAILS

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

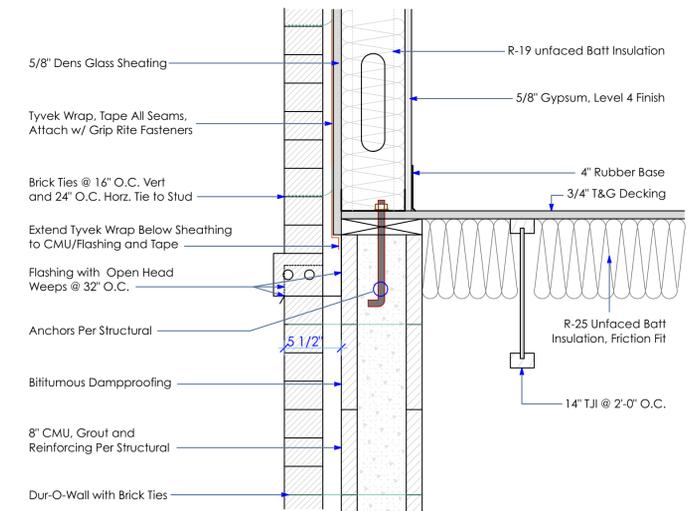
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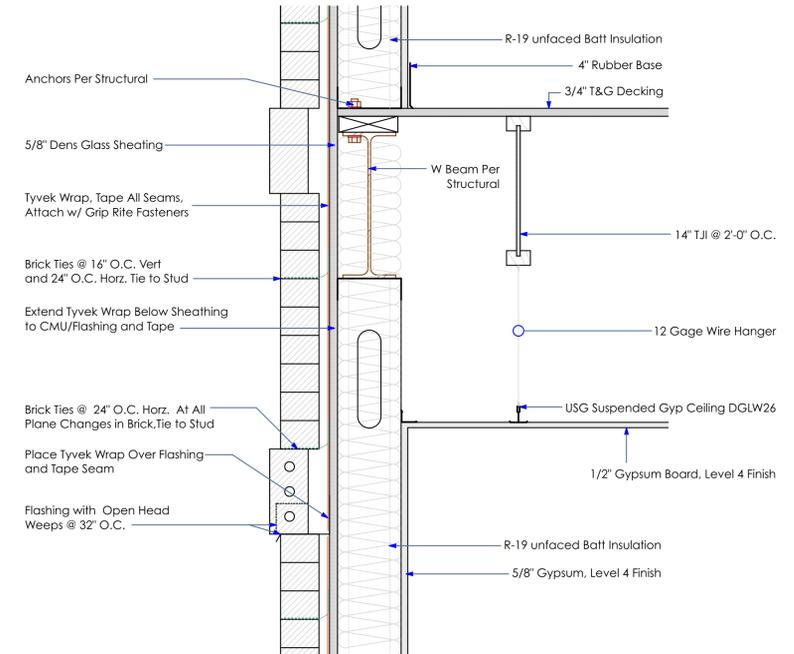
**8 WALL DETAIL**  
SCALE: 1 1/2" = 1'-0"  
0 6" 12" 18"



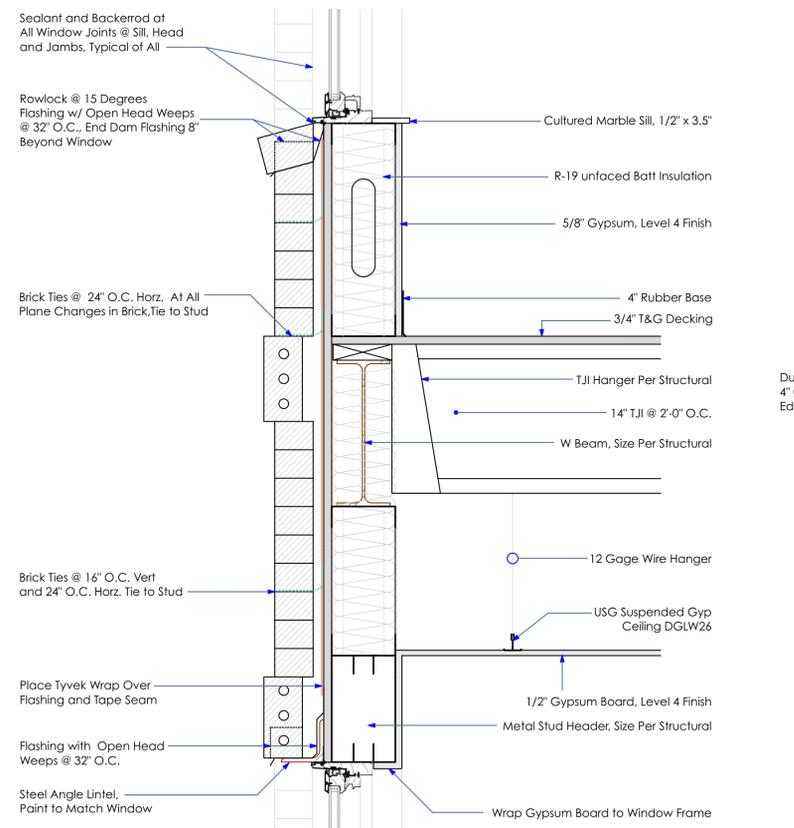
**5 WALL DETAIL**  
SCALE: 1 1/2" = 1'-0"  
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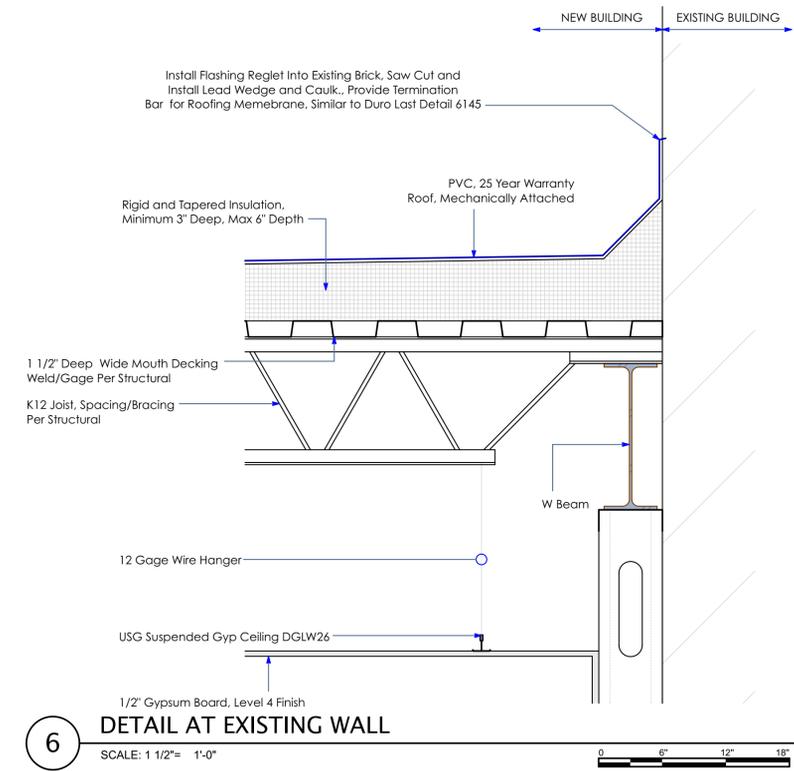
**3 WALL DETAIL**  
SCALE: 1 1/2" = 1'-0"  
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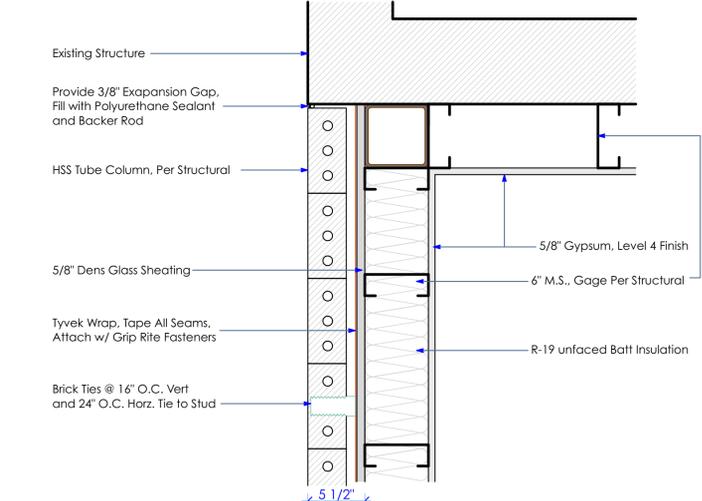
**7 WALL DETAIL**  
SCALE: 1 1/2" = 1'-0"  
0 6" 12" 18"



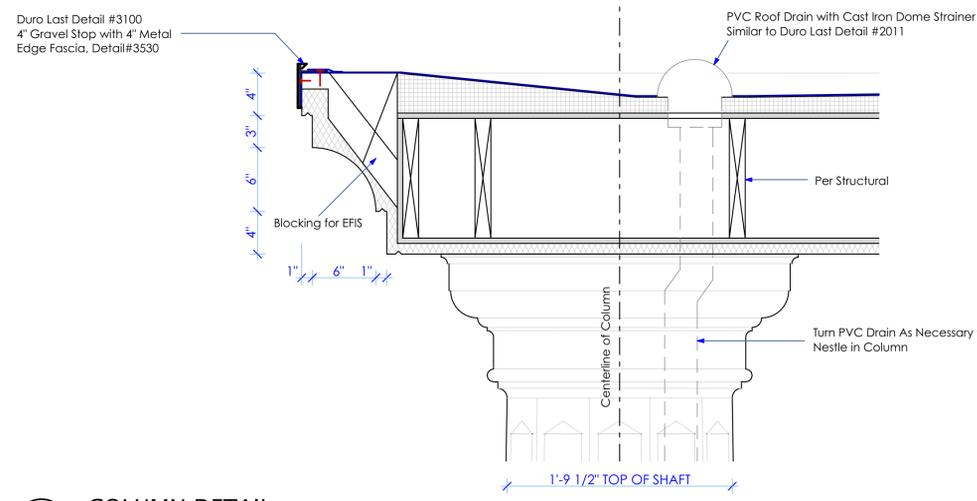
**2 WALL DETAIL**  
SCALE: 1 1/2" = 1'-0"  
0 6" 12" 18"



**6 DETAIL AT EXISTING WALL**  
SCALE: 1 1/2" = 1'-0"  
0 6" 12" 18"



**4 DETAILS**  
SCALE: 1 1/2" = 1'-0"  
0 6" 12" 18"



**1 COLUMN DETAIL**  
SCALE: 1 1/2" = 1'-0"  
0 6" 12" 18"



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SHEET TITLE  
**DETAILS**

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

**A6.05**



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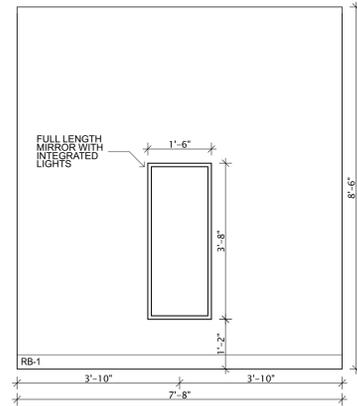
6/16/15

SHEET TITLE

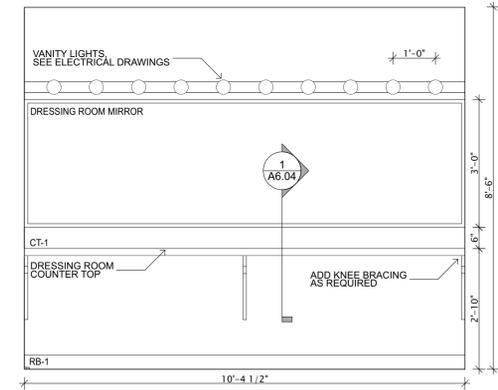
INTERIOR ELEVATIONS

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

**A7.01**



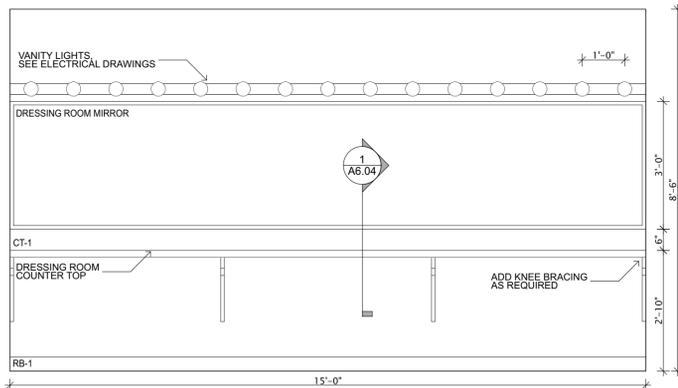
8 TYPICAL PRIVATE DRESSING ROOM INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"



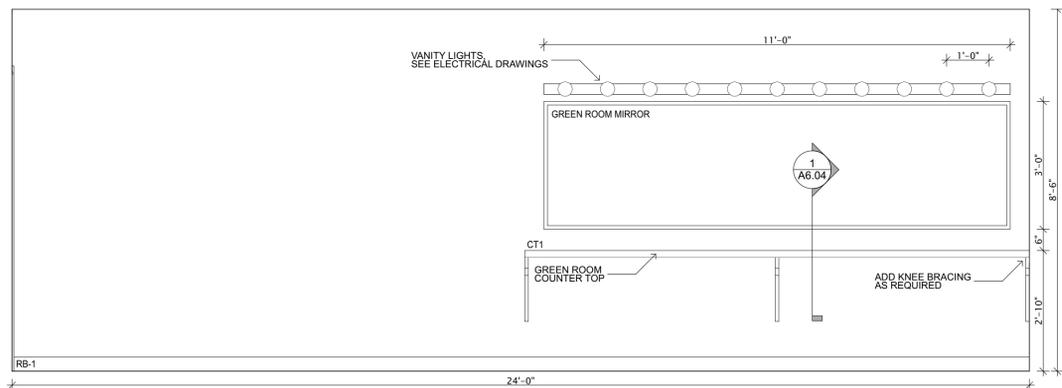
7 MEN'S DRESSING ROOM INTERIOR VANITY ELEVATION  
SCALE: 1/2" = 1'-0"

**INTERIOR ELEVATION TAGS**

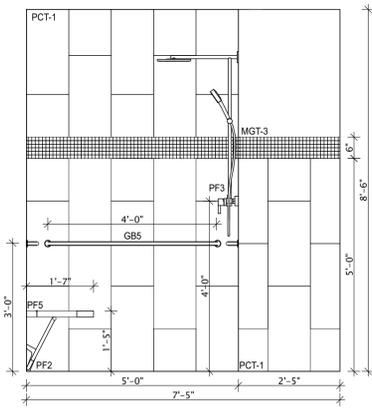
- PF1 ADA WATER CLOSET
- PF2 ADA SHOWER TRAY (SEE 5 | A6.04)
- PF3 ADA SHOWER FIXTURE
- PF4 ADA LAVATORY
- PF5 ADA SHOWER SEAT
- PF6 URINAL
- TA1 TOILET PAPER DISPENSER
- TA2 3' - 0" X 3' - 6" MIRROR
- TA3 PAPER TOWEL DISPENSER
- TA4 LIQUID SOAP DISPENSER
- TA5 SANITARY NAPKIN DISPOSAL (ONLY IN WOMEN'S AND ADA RESTROOMS)
- TA6 4' - 0" X 3' - 6" MIRROR
- GB1 3' - 0" HORIZONTAL GRAB BAR
- GB2 3' - 6" HORIZONTAL GRAB BAR
- GB3 1' - 6" VERTICAL GRAB BAR
- GB4 2' - 6" HORIZONTAL SHOWER GRAB BAR
- GB5 4' - 0" HORIZONTAL SHOWER GRAB BAR
- CT1 12" X 24" CERAMIC TILE TO 5'
- MT1 1" X 1" MOSAIC TILE, 6" STRIP ABOVE CERAMIC TILE
- RB1 4" RUBBER BASE



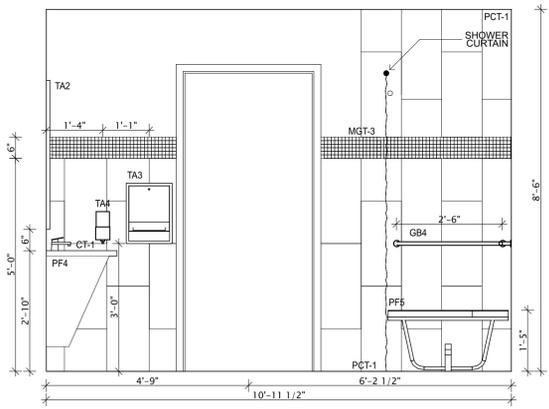
6 WOMEN'S DRESSING ROOM INTERIOR VANITY ELEVATION  
SCALE: 1/2" = 1'-0"



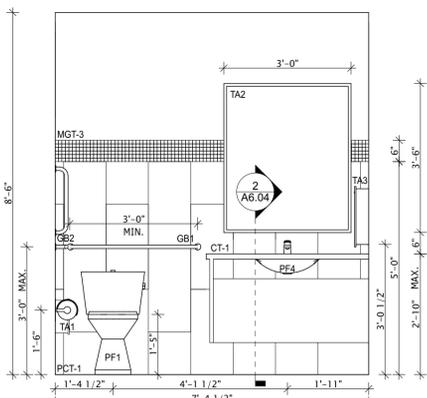
5 GREEN ROOM INTERIOR VANITY ELEVATION  
SCALE: 1/2" = 1'-0"



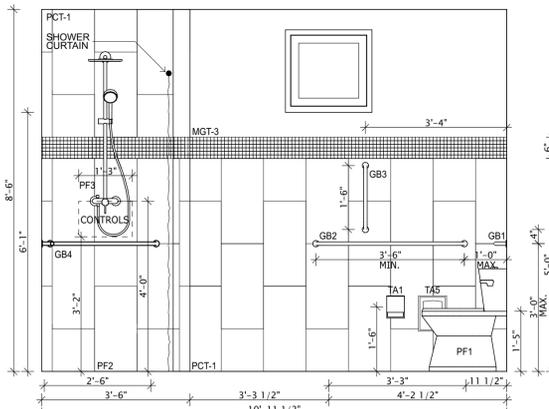
4 ADA RESTROOM WEST INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"



3 ADA RESTROOM SOUTH INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"



2 ADA RESTROOM EAST INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"



1 ADA RESTROOM NORTH INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"



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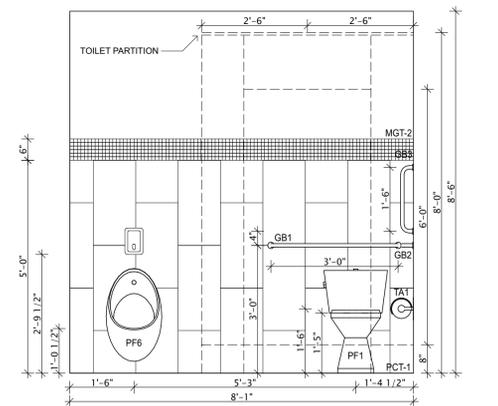
**BARBIZON CHARLOTTE, INC**

THEATRICAL LIGHTING CONSULTANT  
1463 CHATTahoochee AVENUE, NW, SUITE D  
ATLANTA, GEORGIA 30318  
ph. 404.681.5315  
www.barbizon.com

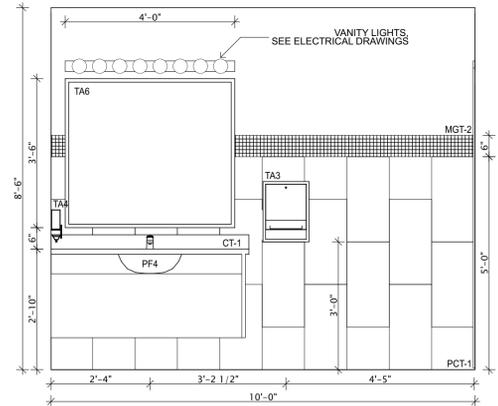


**INTERIOR ELEVATION TAGS**

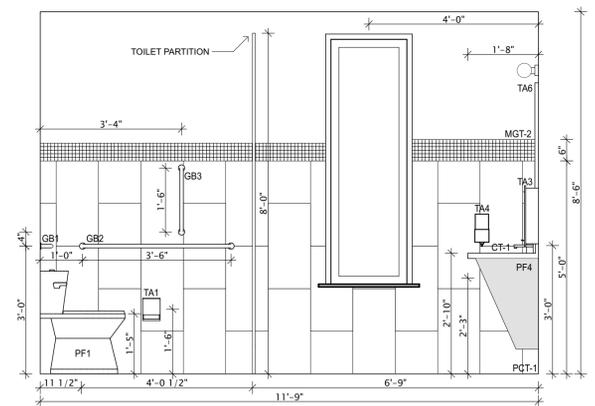
- PF1 ADA WATER CLOSET
- PF2 ADA SHOWER TRAY (SEE 5 | A6.04)
- PF3 ADA SHOWER FIXTURE
- PF4 ADA LAVATORY
- PF5 ADA SHOWER SEAT
- PF6 URINAL
  
- TA1 TOILET PAPER DISPENSER
- TA2 3' - 0" X 3' - 6" MIRROR
- TA3 PAPER TOWEL DISPENSER
- TA4 LIQUID SOAP DISPENSER
- TA5 SANITARY NAPKIN DISPOSAL (ONLY IN WOMEN'S AND ADA RESTROOMS)
- TA6 4' - 0" X 3' - 6" MIRROR
  
- GB1 3' - 0" HORIZONTAL GRAB BAR
- GB2 3' - 6" HORIZONTAL GRAB BAR
- GB3 1' - 6" VERTICAL GRAB BAR
- GB4 2' - 6" HORIZONTAL SHOWER GRAB BAR
- GB5 4' - 0" HORIZONTAL SHOWER GRAB BAR
  
- CT1 12" X 24" CERAMIC TILE TO 5'
- MT1 1" X 1" MOSAIC TILE, 6" STRIP ABOVE CERAMIC TILE
- RB1 4" RUBBER BASE



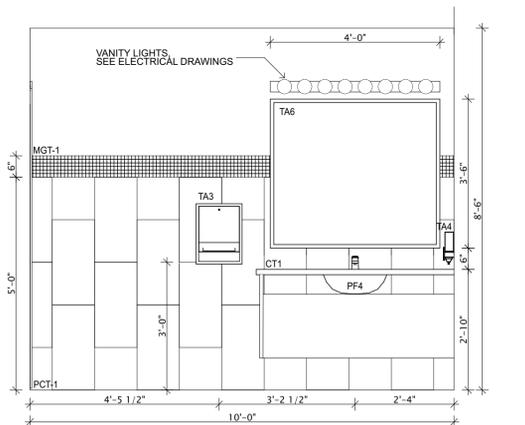
**6 MEN'S RESTROOM WEST INTERIOR ELEVATION**  
SCALE: 1/2" = 1'-0"



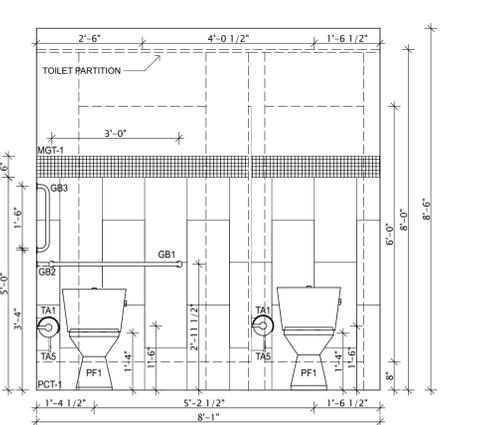
**5 MEN'S RESTROOM EAST INTERIOR ELEVATION**  
SCALE: 1/2" = 1'-0"



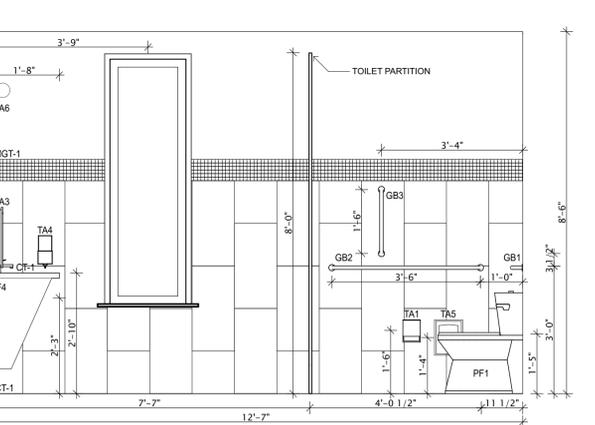
**4 MEN'S RESTROOM NORTH INTERIOR ELEVATION**  
SCALE: 1/2" = 1'-0"



**3 WOMEN'S RESTROOM WEST INTERIOR ELEVATION**  
SCALE: 1/2" = 1'-0"



**2 WOMEN'S RESTROOM EAST INTERIOR ELEVATION**  
SCALE: 1/2" = 1'-0"



**1 WOMEN'S RESTROOM NORTH INTERIOR ELEVATION**  
SCALE: 1/2" = 1'-0"

CITY OF ROME, GEORGIA  
**ROME CITY AUDITORIUM UPGRADES AND NEW ADDITION**  
601 BROAD STREET  
ROME, GEORGIA 30161

**CONSTRUCTION DOCUMENTS**

PROJECT NUMBER  
**14047**  
ISSUED BY  
**CEVIAN® Design Lab, LLC**  
ISSUED DATE  
**6/16/15**  
SHEET TITLE  
**INTERIOR ELEVATIONS**

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET



GENERAL NOTES:

DESIGN CRITERIA:

- 1. BUILDING CODE - INTERNATIONAL BUILDING CODE 2012 WITH GEORGIA AMENDMENTS.
2. RISK CATEGORY & IMPORTANCE FACTORS: A. RISK CATEGORY... II, B. WIND FACTOR... 1.0, C. SNOW FACTOR... 1.0, D. SEISMIC FACTOR... 1.0
3. DESIGN DEAD LOADS: A. FLOOR... 20 PSF, B. ROOF... 15 PSF
4. DESIGN LIVE LOADS: A. FLOOR (OFFICE)... 50 PSF, B. FLOOR (STORAGE)... 125 PSF, C. ROOF... 20 PSF
5. WIND LOADS: A. ULTIMATE WIND SPEED... 115 MPH, B. WIND SPEED ASD... 89 MPH, C. DIRECTIONALITY FACTOR (Kd)... 0.85, D. EXPOSURE CATEGORY... B, E. ENCLOSURE CLASSIFICATION... ENCLOSED BUILDING, F. GUST EFFECT FACTOR (G)... 0.85
6. EARTHQUAKE LOADS: A. SITE CLASS... E, B. Ss... 0.312, C. Si... 0.111, D. SDS... 0.479, E. SD1... 0.257, F. SEISMIC DESIGN CATEGORY... D, G. BASIC SEISMIC FORCE RESISTING SYSTEM... ORDINARY MOMENT FRAMES, H. RESPONSE MODIFICATION COEFFICIENT, R... 3.5, I. OVER-STRENGTH FACTOR (Oo)... 3.0, J. DEFLECTION AMPLIFICATION FACTOR (Cd)... 3.0, K. SEISMIC RESPONSE COEFFICIENT (Cs)... 0.137, L. LONG PERIOD TRANSITION PERIOD (TL)... 12, M. ANALYSIS PROCEDURE... EQUIVALENT LATERAL FORCE PROCEDURE, N. DESIGN BASE SHEAR... 39.5 KIPS
7. SNOW LOADS: A. GROUND SNOW LOAD... 5.0 PSF, B. THERMAL FACTOR... 1.0, C. EXPOSURE FACTOR... 1.0, D. RAIN ON SNOW SURCHARGE... 5.0 PSF, E. UNIFORM ROOF SNOW LOAD... 8.5 PSF

MISCELLANEOUS:

- 1. STRUCTURAL DRAWINGS SHALL BE COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING PERTINENT ASPECTS OF ALL DISCIPLINES INTO THEIR SHOP DRAWINGS AND WORK, AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR OMISSIONS.
2. NO OPENINGS OR MODIFICATIONS SHALL BE MADE IN OR TO ANY STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT AND/OR THE STRUCTURAL ENGINEER OF RECORD.
3. NO CHANGE IN SIZE OR DIMENSION OF STRUCTURAL MEMBERS SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT AND/OR THE STRUCTURAL ENGINEER OF RECORD.
4. OPENINGS 1'-4" OR LESS ON A SIDE ARE GENERALLY NOT SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SUCH OPENINGS.
5. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED.
6. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL THE TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES.
7. DO NOT SCALE THESE DRAWINGS: USE DIMENSIONS. FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL CONTRACT DOCUMENTS, SEE ARCHITECTURAL DRAWINGS.
8. CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD.
9. THE CONTRACTOR SHALL INFORM THE PROFESSIONAL OF RECORD, IN WRITING, OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT BE RELIEVED OF THE RESPONSIBILITY OF SUCH DEVIATION BY THE PROFESSIONAL OF RECORD, REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC. UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE PROFESSIONAL OF RECORD OF SUCH DEVIATION AT THE TIME OF SUBMISSION AND THE ARCHITECT HAS GIVEN THE WRITTEN APPROVAL TO THE SPECIFIC DEVIATION.
10. WHERE A SECTION/DETAIL IS CUT ON THE PLAN, IT IS ASSUMED/UNDERSTOOD TO BE REPRESENTATIVE OF ALL LIKE OR SIMILAR CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THEIR SHOP DRAWINGS AND WORK.
11. AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF PERSONS AND PROPERTY. THE ARCHITECT'S OR ENGINEER'S PRESENCE AT THE JOB SITE OR REVIEW OF WORK DOES NOT IMPLY CONFIRMATION OF THE ADEQUACY OF THE CONTRACTOR'S MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH OSHA REGULATIONS.
12. CONSULT ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR LOCATION, SIZE AND EXTENT OF CHASES, INSERTS, RECESSES, RIDGES, FINISHES, DEPRESSIONS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS.
13. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES.
14. THE CONTRACTOR SHALL VERIFY ALL FLOOR AND ROOF MOUNTED MECHANICAL EQUIPMENT WEIGHTS AS WELL AS FLOOR AND/OR ROOF OPENING SIZES AND LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
15. THE CONTRACTOR SHALL NOTIFY, IN WRITING, THE STRUCTURAL ENGINEER OF RECORD OF CONDITIONS ENCOUNTERED IN THE FIELD WHICH ARE CONTRADICTORY TO THOSE SHOWN ON THE STRUCTURAL CONTRACT DOCUMENTS.
16. STRUCTURAL CONTRACT DOCUMENTS SHALL NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR ANY MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR OR SUBCONTRACTOR.
17. SEE ARCHITECTURAL DRAWINGS FOR FLOOR ELEVATIONS, SLOPE, AND LOCATION OF DEPRESSED FLOOR AREAS. THE CONTRACTOR SHALL COMPARE STRUCTURAL SECTIONS WITH THE ARCHITECTURAL SECTIONS AND REPORT ANY DISCREPANCY TO THE ARCHITECT PRIOR TO FABRICATING OR INSTALLING STRUCTURAL MEMBERS.

SUBMITTALS:

- 1. CONTRACTOR SHALL SUBMIT A SCHEDULE OF SHOP DRAWING SUBMITTAL DATES AT LEAST 30 DAYS PRIOR TO FIRST SUBMITTAL. FAILURE TO SUBMIT DRAWINGS ON DESIGNATED DATES MAY IMPACT REVIEW SCHEDULE.
2. ANY MATERIALS OR PRODUCTS SUBMITTED FOR APPROVAL THAT ARE DIFFERENT FROM THE MATERIAL OR PRODUCTS SPECIFIED IN THE STRUCTURAL CONTRACT DOCUMENTS WILL BE CONSIDERED ONLY IF THE FOLLOWING CRITERIA ARE SATISFIED: A. A COST SAVINGS TO THE OWNER IS DOCUMENTED AND SUBMITTED WITH THE REQUEST. B. THE MATERIAL OR PRODUCT HAS BEEN APPROVED BY THE ICC-ES, AND THE ICC-ES REPORT IS SUBMITTED WITH THE REQUEST. SUBMITTALS NOT SATISFYING THE ABOVE CRITERIA WILL NOT BE CONSIDERED.
3. REVIEW OF SUBMITTALS AND/OR SHOP DRAWINGS BY THE STRUCTURAL ENGINEER OF RECORD DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTAL TO THE STRUCTURAL ENGINEER OF RECORD. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS AND DIMENSIONS SPECIFIED IN METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION. SEE SPECIFIC PROVISIONS IN THE CONTRACT DOCUMENT DEALING WITH THE APPROPRIATE DESIGN RESPONSIBILITIES OF CONTRACTORS, SUBCONTRACTORS AND CONTRACT SUPPLIERS.
4. THE USE OF REPRODUCTIONS OF THESE CONTRACT DOCUMENTS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREIN AS CORRECT AND OBLIGATES HIM TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING FROM ANY ERRORS THAT MAY OCCUR HEREIN.

FOUNDATIONS:

- 1. SPREAD FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUSTAINING A NET ALLOWABLE BEARING PRESSURE OF 3.0 KSF FOR INDIVIDUAL COLUMN FOOTINGS AND 3.0 KSF FOR CONTINUOUS WALL FOOTINGS UNDER FULL SERVICE LIVE AND DEAD LOAD. A GEOTECHNICAL SUBSURFACE INVESTIGATION WAS PERFORMED BY GEO-HYDRO ENGINEERS ON SEPTEMBER 9, 2014 IN A REPORT 140455.20
2. THE FOOTINGS HAVE BEEN POSITIONED AT THE ESTIMATED ELEVATION WHICH WILL PROVIDE SUITABLE BEARING. HOWEVER, IF ADEQUATE BEARING CAPACITY IS NON-EXISTENT AT THESE ESTIMATED ELEVATIONS, THE FOOTING SHALL BE LOWERED TO AN ELEVATION WHERE THE PRESCRIBED SAFE BEARING CAPACITY EXISTS.
3. FOOTINGS MAY BE CAST INTO AN EARTH-FORMED TRENCH IF SOIL CONDITIONS PERMIT.
4. EXCAVATION FOR FOOTINGS SHALL BE CUT TO ACCURATE SIZES AND DIMENSIONS, AS SHOWN ON PLANS. ALL SOIL BELOW SLABS AND FOOTINGS SHALL BE PROPERLY COMPACTED AND SUBGRADE BROUGHT TO A REASONABLE TRUE AND LEVEL PLANE BEFORE PLACING CONCRETE.
5. IN THE AREA OF THE BUILDING, EXISTING ORGANIC MATERIAL, UNSUITABLE SOIL, ABANDONED FOOTINGS AND ANY OTHER EXISTING UNSUITABLE MATERIALS SHALL BE REMOVED. ANY FILL MATERIAL REQUIRED AT THE SITE SHALL BE OF A SIMILAR TYPE SOIL, TO THAT WHICH IS PRESENT AT THIS SITE AND APPROVED BY A SOILS ENGINEER. ROCKS GREATER THAN 6 INCHES SHALL BE EXCLUDED FROM STRUCTURAL FILL LIFTS. FILL MATERIAL SHALL BE PLACED IN LOOSE LIFTS NO GREATER THAN 12 INCHES IN DEPTH AND SHALL BE COMPACTED TO AT LEAST 95% OF THE MATERIAL'S MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED COMPACTION TEST (ASTM D1557). ADEQUATE FIELD DENSITY AND MOISTURE CONTENT TESTS SHALL BE PERFORMED TO ENSURE COMPLIANCE.
6. FOOTING CONCRETE SHALL BE CAST ON THE SAME DAY THE EXCAVATION IS APPROVED. IF THE BEARING SURFACE IS ALLOWED TO BECOME DISTURBED IN ANY WAY, IT SHALL BE REWORKED TO THE SATISFACTION OF THE TESTING ENGINEER PRIOR TO CASTING THE CONCRETE.
7. ALL BEARING MATERIAL SHALL BE INSPECTED BY THE INDEPENDENT TESTING AGENCY PRIOR TO CONCRETE PLACEMENT. THE INDEPENDENT TESTING AGENCY SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF THE BEARING MATERIAL. FOOTING ELEVATIONS SHALL BE ADJUSTED AS REQUIRED.
8. BOTTOM OF EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 1'-0" BELOW FINAL GRADE FOR FROST PROTECTION.
9. WHEN UNSATISFACTORY OR UNCONTROLLED FILL IS ENCOUNTERED, REMOVAL AND REPLACEMENT WILL BE PAID ON THE BASIS OF UNIT PRICES SET FORTH IN THE CONTRACT.
10. DRAINAGE FILL SHALL BE AN EVENLY GRADED MIXTURE OF NATURAL OR CRUSHED STONE, CONFORMING TO THE REQUIREMENTS OF ASTM STANDARD C33, AND HAVING A GRADATION AS FOLLOWS: 100% PASSING... A 3/4" SIEVE, 10-30% PASSING... A 1/2" SIEVE, 0-10% PASSING... A 3/8" SIEVE, 0-5% PASSING... A #4 SIEVE
11. ANY FILL WITHIN 10'-0" OF THE BUILDING LIMIT SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY. THE UPPER 12" OF FILL BENEATH STRUCTURAL AREAS SHOULD BE COMPACTED TO 98% OF THE MAXIMUM STANDARD PROCTOR DENSITY.
12. NO EXCAVATION SHALL BE CLOSER THAN AT A SLOPE OF 2:1 (2 HORIZONTAL TO 1 VERTICAL) TO A FOOTING. PROVIDE SHORING AND PROTECTION FOR EXCAVATION BANKS AS NECESSARY TO PRESERVE SAFETY AND PREVENT CAVING.
13. ALL BEARING STRATA SHALL BE ADEQUATELY DRAINED BEFORE FOUNDATION CONCRETE IS PLACED.
14. BACKFILL AROUND AND OVER FOUNDATION ELEMENTS SHALL BE OF SUITABLE MATERIAL, INSPECTED AND PRE-APPROVED BY THE TESTING ENGINEER.
15. COLUMN FOOTINGS AND WALL FOOTINGS SHALL BE POURED MONOLITHIC WITH TOPS OF ADJACENT FOOTINGS AT THE SAME ELEVATION.
16. THERE SHALL BE NO HORIZONTAL OR VERTICAL CONSTRUCTION JOINTS IN ANY FOOTING WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER.
17. CONCRETE CAST ON SLOPING SURFACES SHALL BEGIN AT THE LOWEST ELEVATION AND CONTINUE MONOLITHICALLY TOWARD THE HIGHER ELEVATION UNTIL THE INTENDED POUR IS COMPLETED.

CONCRETE:

- 1. CODE: AMERICAN CONCRETE INSTITUTE (ACI) 318 (LATEST ADDITION)
2. CONCRETE SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH AND DENSITY IN ACCORDANCE WITH THE FOLLOWING: STRENGTH PSI, DENSITY PCF, FOOTINGS, SLABS ON GRADE, 3000, 145
3. CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS FOR REVIEW WELL IN ADVANCE OF CONCRETE PLACEMENT. CONCRETE MIX DESIGN SHALL INCLUDE ALL STRENGTH DATA NECESSARY TO SHOW COMPLIANCE WITH THE PROJECT SPECIFICATIONS BY EITHER THE TRIAL BATCH OR FIELD EXPERIENCE METHOD, AND SHALL BE CERTIFIED BY AN ENGINEER REGISTERED IN THE PROJECT STATE.
4. REINFORCING SHALL CONFORM TO ASTM A615, GR60, UNLESS NOTED OTHERWISE.
5. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185, GRADE 60.
6. WELDED WIRE FABRIC SHALL BE PLACED 1" BELOW T/SLAB, UNLESS NOTED OTHERWISE. LAP FABRIC 6" ON SIDES AND ENDS.
7. ALL REINFORCING SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST ADDITION OF THE ACI DETAILING MANUAL.
8. ALL MIXING, TRANSPORTING, PLACING AND CURING OF CONCRETE SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE AMERICAN CONCRETE INSTITUTE.
9. THERE SHALL BE NO HORIZONTAL CONSTRUCTION JOINTS IN ABOVE-GRADE CONCRETE POURS. ALL CONSTRUCTION JOINTS SHALL BE MADE IN THE CENTER OF SPANS WITH VERTICAL BULKHEADS. WHEN A BEAM INTERSECTS A GIRDER AT THIS POINT, THE JOINTS OF THE GIRDERS SHALL BE OFFSET A DISTANCE EQUAL TO TWICE THE WIDTH OF THE BEAM. THE LOCATION OF CONSTRUCTION JOINTS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. ADDITIONAL REINFORCING AT CONSTRUCTION JOINTS SHALL BE SPECIFIED BY THE ENGINEER OF RECORD.

- 10. ALL "CONTINUOUS" REINFORCEMENT SHALL HAVE A MINIMUM LAP OF "B" TYPE (ACI 318) AT SPLICES, UNLESS NOTED OTHERWISE.
11. PROVIDE STANDARD BAR CHAIRS WITH PROTECTIVE TIPS AND SPACERS AT 5'-0" CENTERS FOR ALL SLABS AND BEAMS ABOVE GRADE. PROVIDE 3" X 6" X 20 GAGE SHEET METAL BAR CHAIRS AT 4'-0" MAXIMUM CENTERS EACH WAY FOR ALL TOP REINFORCING FOR SLABS-ON-GRADE.
12. SUBMIT REINFORCING PLACEMENT AND DETAIL (SHOP) DRAWINGS FOR REVIEW. NO REINFORCING BARS SHALL BE INSTALLED UNTIL THE SHOP DRAWINGS HAVE BEEN REVIEWED AND RETURNED.
13. PRODUCTS AND MATERIALS: A. TYPE 1 PORTLAND CEMENT SHALL CONFORM TO ASTM-C150. B. AGGREGATES SHALL CONFORM TO ASTM C-33. C. REINFORCING BARS SHALL CONFORM TO ASTM A-615 (GRADE 60). D. FORMINGS SHALL BE OF WOOD, STEEL, OR FIBERGLASS OF SATISFACTORY QUALITY AND CONDITION. E. NO ADMIXTURES SHALL BE ADDED TO THE CONCRETE UNLESS APPROVED BY THE ENGINEER. F. NON-SHRINK GROUT SHALL BE READY TO USE NON-METALLIC AGGREGATE AND DEVELOP A 7-DAY COMPRESSIVE STRENGTH OF 5000 PSI.
14. ALL REINFORCING SHALL BE SUPPORTED IN FORMS SPACED WITH NECESSARY ACCESSORIES AND SHALL BE SECURELY WIRED TOGETHER IN ACCORDANCE WITH LATEST ADDITION OF THE CRSI "MANUAL OF STANDARD PRACTICE".
15. MINIMUM CONCRETE COVER (UNLESS NOTED OTHERWISE) SHALL BE: A. #11 BARS AND SMALLER... 3/4 INCHES, B. UNFORMED SURFACE IN CONTACT WITH THE GROUND... 3 INCHES, C. FORMED SURFACES EXPOSED TO EARTH OR WEATHER... 2 INCHES, D. LAP SPLICES SHALL BE IN ACCORDANCE WITH THE FOLLOWING, UNLESS NOTED OTHERWISE. WHERE CLASSES ARE NOT CALLED OUT ON DRAWINGS, USE CLASS "B" SPLICES.
TENSION SPLICES (INCHES) COMPRESSION SPLICES (INCHES) BAR SIZE TOP BARS OTHER BARS A B A B 3 28 28 17 22 4 29 37 22 29 5 36 47 28 36 6 43 56 33 42 7 63 81 48 63

- 17. SCHEDULED OR DETAILED REINFORCING STEEL SHALL NOT BE TACK WELDED FOR ANY REASON. WELDED REINFORCING STEEL SPLICES ARE NOT PERMITTED WITHOUT ENGINEER'S APPROVAL. WHERE WELDING IS APPROVED IT SHALL CONFORM TO AWS D1.4 STRUCTURAL WELDING CODE - REINFORCING STEEL.
18. THE FLATNESS AND LEVELNESS OF THE SLAB-ON-GRADE SHALL BE DETERMINED ACCORDING TO ASTM E-1155 OR ACI 117. SLAB CLASS (ACI 302) STANDARD TEST METHOD USING F NUMBERS. THE SPECIFIC FLATNESS AND LEVELNESS SHALL BE F1F-35 AND F1L-20.
19. WHERE FOOTINGS, WALLS, OR OTHER STRUCTURAL ELEMENTS INTERSECT, CORNER OR TEE, PROVIDE CORNER BARS WITH REQUIRED LAP LENGTHS TO PROVIDE CONTINUITY OF HORIZONTAL STEEL REINFORCING, UNLESS NOTED OTHERWISE.
20. WHERE DOWELS, BOLTS OR INSERTS ARE CALLED OUT TO BE ANCHORED TO CAST IN PLACE CONCRETE ELEMENTS USING ADHESIVE ANCHORS, USE AN ANCHORAGE SYSTEM EQUAL TO "HLTI" HIT HY-200. FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS. ALTERNATE ANCHORAGE SYSTEMS MAY BE USED WITH ENGINEER'S PRIOR APPROVAL.
21. PROVIDE TEMPORARY SHORING AND BRACING OF ALL STRUCTURAL AND MISCELLANEOUS ELEMENTS UNTIL CONCRETE HAS OBTAINED 80% OF DESIGN STRENGTH AND ALL PERMANENT BRACING ELEMENTS ARE INSTALLED.
22. PLACEMENT OF CONCRETE, COLD WEATHER AND HOT WEATHER PRECAUTIONS, MATERIAL AND PROPORTIONING REQUIREMENTS, REBAR COVER AND DETAILING SHALL CONFORM TO THE REQUIREMENTS OF THE ACI 318.

STRUCTURAL STEEL:

- 1. CODE: LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, ANSIAISC 360.
2. STEEL SHALL CONFORM TO THE FOLLOWING GRADES: WIDE FLANGE SHAPES... ASTM A992 (Fy=50ksi), ALL CHANNELS, ANGLES, PLATES, ETC. (UNO)... A36 (Fy=36ksi), STRUCTURAL TUBES... A500 (Fy=46ksi), ANCHOR BOLTS... F1554, GRADE 36, STEEL PIPE... A53 (Fy=35ksi), BOLTS... A325, WELDING ELECTRODES... E70xx, HARDENED STEEL WASHERS... F436
3. STRUCTURAL STEEL DETAILING, FABRICATION, AND ERECTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "MANUAL OF STEEL CONSTRUCTION" OF THE AMERICAN INSTITUTE STEEL CONSTRUCTION. SHOP DRAWINGS SHALL SHOW COMPLETE WELDING INFORMATION, BOTH SHOP AND FIELD, USING AMERICAN WELDING SOCIETY SYMBOLS UNLESS OTHERWISE INDICATED OR SHOWN. BOLTED CONNECTION SHALL BE MADE USING 3/4" DIAMETER BOLTS CONFORMING TO ASTM A325 UNLESS OTHERWISE NOTED. THEY SHALL BE INSTALLED AND INSPECTED IN STRICT CONFORMANCE WITH LATEST EDITION RSCS "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS."
4. THE STEEL STRUCTURE IS A NON-SELF-SUPPORTING STEEL FRAME AND IS DEPENDENT UPON DIAPHRAGM ACTION OF THE METAL ROOF DECK AND ATTACHMENT TO THE MASONRY WALLS FOR STABILITY AND FOR RESISTANCE TO WIND AND SEISMIC FORCES. PROVIDE ALL TEMPORARY SUPPORTS REQUIRED FOR STABILITY AND FOR RESISTANCE TO WIND AND SEISMIC FORCES UNTIL THESE ELEMENTS ARE COMPLETE AND ARE CAPABLE OF PROVIDING THIS SUPPORT.
5. THE FABRICATOR IS RESPONSIBLE FOR THE DESIGN OF ALL CONNECTIONS SHOWN ON THE STRUCTURAL DRAWINGS. CONNECTIONS SHOWN ARE SCHEMATIC AND ARE ONLY INTENDED TO SHOW THE RELATIONSHIP OF MEMBERS CONNECTED. CONNECTION DETAILS INDICATED ON THE DRAWINGS SHALL BE INCORPORATED INTO FABRICATOR'S CONNECTION DESIGN. SEE SPECIFICATIONS.
6. SPLICING OF STEEL MEMBERS UNLESS SHOWN ON THE DRAWINGS IS PROHIBITED WITHOUT WRITTEN APPROVAL OF THE ARCHITECT.
7. NO HOLES SHALL BE CUT IN ANY STEEL ELEMENT UNLESS THEY ARE DETAILED ON THE DRAWINGS.
8. UNLESS NOTED OTHERWISE, BEAMS SHALL BEAR 8" MINIMUM ON CONCRETE OR MASONRY, ANCHOR BEAMS TO MASONRY WITH TWO 3/4" DIAMETER ANCHOR BOLTS WITH 4" HOOK AND 1'-4" EMBEDMENT.
9. STRUCTURAL STEEL WORK SHALL BE SUBJECT TO QUALITY ASSURANCE TESTING AND INSPECTIONS. SEE QUALITY ASSURANCE GENERAL NOTES AND PROJECT SPECIFICATIONS.
10. UNLESS OTHERWISE SHOWN ON THE DRAWINGS, THE SIZE OF WELDS SHALL NOT BE SMALLER THAN 1/4".
11. THE CONTRACTOR SHALL PROVIDE, AT NO ADDITIONAL COST, ALL ADDITIONAL STEEL CONNECTIONS, GUYING, ETC. REQUIRED FOR ERECTION.
12. OBTAIN ALL FIELD MEASUREMENTS REQUIRED FOR PROPER FABRICATION AND INSTALLATION OF WORK PRIOR TO DETAILING. PRECISE MEASUREMENTS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
13. PROVIDE STIFFENERS TO BEAR UNDER ALL LOAD CONCENTRATIONS ON SUPPORTING MEMBERS, ON ALL MEMBERS FRAMING OVER COLUMNS. AT BEAM COLUMN JOINTS (AS REQUIRED BY THE AISC SPECIFICATIONS) AND WHERE SHOWN ON THE DRAWINGS.
14. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND ELEVATIONS OF LOOSE LINTELS.
15. THE FABRICATOR SHALL BE RESPONSIBLE FOR ALL ERRORS OF DETAILING ON THE SHOP DRAWINGS, ERRORS IN FABRICATION, AND FOR THE CORRECT FITTING OF STRUCTURAL STEEL MEMBERS.

TIMBER:

- 1. CODES: STRUCTURAL WOOD IS TO BE DESIGNED, DETAILED, FABRICATED AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST ADDITIONS OF: A. "NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION" (ANSI/AWC NDS) BY AMERICAN WOOD COUNCIL. B. PRODUCT STANDARD PS 20 "AMERICAN SOFTWOOD LUMBER STANDARD" BY ALSO. C. PLYWOOD CONFORMING TO APA-THE ENGINEERED WOOD ASSOCIATION. D. METAL PLATE-CONNECTED WOOD TRUSS DESIGN CONFORMING TO "DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES" BY TRUSS PLATE INSTITUTE (TPI) AND TPI QUALITY CONTROL MANUAL.
2. ALL TIMBER SHALL BE #2 SOUTHERN YELLOW PINE (MOISTURE CONTENT 19% MAX.) OR EQUAL UNLESS NOTED OTHERWISE.
3. ALL WOOD TO WOOD CONNECTIONS SHALL EMPLOY PRE-MANUFACTURED METAL ANCHORS. TOE OR END NAILING OF WOOD SHALL NOT BE PERMITTED UNLESS NOTED OTHERWISE. METAL ANCHORS SHALL BE MANUFACTURED BY SIMPSON STRONG-TIE COMPANY OR EQUAL.
4. MINIMUM OF 2-2x4 OR 2-2x6 STUDS SHALL BE LOCATED UNDER ALL BUILD-UP WOOD MEMBERS U.N.O.
5. ALL MICRO-LAM HEADERS AND BEAMS SHALL BE LAMINATED VENEER LUMBER AS MANUFACTURED BY THE TRUSS JOIST CORPORATION OR APPROVED EQUAL AND SHALL PROVIDE STRESS VALUES THAT MEET OR EXCEED THE FOLLOWING: GRADE... 2.0E, Fb =... 2,925, Fv =... 285 PSI, Fc (PERP) =... 750 PSI, E =... 2,000 KSI
11. FLOOR TRUSSES SHALL BE DESIGNED WITH MAXIMUM TOTAL DEFLECTION OF L/360. ROOF TRUSSES SHALL BE DESIGNED WITH MAXIMUM LIVE LOAD DEFLECTION OF L/240 AND MAXIMUM TOTAL LOAD DEFLECTION OF L/180.
12. WOOD EMBEDDED OR PLACED ON CONCRETE IN DIRECT CONTACT WITH EARTH SHALL BE PRESSURE TREATED INCLUDING BUT NOT LIMITED TO POSTS, COLUMN SLEEPERS, SILLS AND SOLE PLATES.
13. BOLTS: A. BOLTS FOR WOOD CONSTRUCTION SHALL BE ASTM A-307. B. BOLT HOLES IN WOOD SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN THE BOLT DIAMETER. C. METAL PLATE, METAL STRAP OR WASHER NOT LESS THAN A STANDARD CUT WASHER (1/8" THICK MIN.) SHALL BE BETWEEN THE WOOD AND THE BOLT HEAD AND BETWEEN THE BOLT. D. THE THREADED PORTION OF BOLTS SUBJECT TO WOOD BEARING SHALL BE KEPT TO A PRACTICAL MINIMUM. E. IN HEAVY TIMBER MEMBERS, THE BOLTS AND WASHERS SHALL BE COUNTER SUNK 3/4" MAX. IN THE MEMBER TO ALLOW FOR A WOOD PEG COVER.
14. PREDRILL HOLES FOR LAG BOLTS AS FOLLOWS: A. CLEARANCE HOLE FOR LENGTH OF UNTHREADED SHANK: NOMINAL DIAMETER + 1/16", PREDRILL HOLES FOR THREADED PORTION: NOMINAL DIAMETER + 1/16"
15. ALL NAILS, BOLTS, SCREWS, AND LAG SCREWS SHALL BE HOT-DIP GALVANIZED OR STAINLESS STEEL. WOOD CONNECTOR HARDWARE SHALL BE HOT-DIP GALVANIZED, "Z-MAX" GALVANIZED OR TYPE 316 STAINLESS STEEL. ALL GALVANIZED FASTENERS SHALL BE USED WITH GALVANIZED HARDWARE AND STAINLESS STEEL FASTENERS SHALL BE USED WITH STAINLESS STEEL HARDWARE.

MASONRY:

- 1. CODE: AMERICAN CONCRETE INSTITUTE (ACI) 530 (LATEST ADDITION)
2. MASONRY SHALL BE LIGHT WEIGHT AND HAVE A MINIMUM COMPRESSIVE STRENGTH, fm, OF 1500 PSI BASED ON GROSS AREA. MORTAR SHALL CONFORM TO ASTM C270 TYPES S OR M. GROUT SHALL CONFORM TO ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8".
3. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60 UNLESS NOTED OTHERWISE.
4. CONTINUOUS WIRE REINFORCING (JOINT REINFORCING) SHALL BE GALVANIZED TRUSS TYPE FABRICATED UNITS WITH A SINGLE PAIR OF 3/16" Ø SIDE RODS AND 9 GAGE CONTINUOUS DIAGONAL CROSS RODS FABRICATED FROM COLD DRAWN STEEL WIRE COMPLYING WITH ASTM A82. JOINT REINFORCING SHALL BE SPACED AT 16" O.C. VERTICALLY IN ALL MASONRY WALLS UNLESS NOTED OTHERWISE.
5. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF VERTICAL CONTROL JOINTS. HORIZONTAL BOND BEAM AND LINTEL REINFORCING SHALL BE CONTINUOUS ACROSS VERTICAL CONTROL JOINTS. JOINT REINFORCING SHALL BE STOPPED EITHER SIDE OF VERTICAL CONTROL JOINTS.
6. CONTROL JOINTS SHALL BE LOCATED IN THE INTERIOR WALLS FOR THE BUILDING AT A SPACING NOT EXCEEDING 30 FEET. JOINTS SHALL, AT A MINIMUM, BE LOCATED AT INTERSECTING WALLS AND JAMBS/LINTELS OF OPENING IN WALL.
7. MASONRY PILASTERS SHALL BE LOCATED ADJACENT TO CONTROL OR EXPANSION JOINTS.
8. ALL REINFORCED CELLS AND ALL CELLS BELOW FINISH FLOOR SHALL BE GROUTED SOLID.
9. WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH A VERTICAL BLOCK CORE, IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL IN 6 VERTICAL. DOWELS MAY BE GROUDED INTO A CELL IN VERTICAL ALIGNMENT EVEN THOUGH IT IS IN AN ADJACENT CELL TO THE VERTICAL WALL REINFORCING.
10. REINFORCING STEEL SHALL BE SECURED IN PLACE BEFORE GROUTING STARTS.
11. VERTICAL BARS SHALL BE HELD IN POSITION WITH PRE-MANUFACTURED TIES AT TOP AND BOTTOM AND AT INTERVALS NOT EXCEEDING 20 DIAMETERS OF THE REINFORCING NOR 10 FEET.
12. VERTICAL REINFORCING BARS SHALL HAVE A MINIMUM CLEARANCE OF 3/4 OF AN INCH FROM THE MASONRY AND NOT LESS THAN ONE BAR DIAMETER BETWEEN BARS.
13. VERTICAL CELLS THAT WILL BE GROUTED SHALL HAVE A VERTICAL ALIGNMENT TO MAINTAIN A CONTINUOUS UNOBSTRUCTED CELL AREA NOT LESS THAN 2-1/2' X 3'.
14. GROUTING SHALL BE STOPPED -1/2" BELOW THE TOP OF A COURSE SO AS TO FORM A KEY AT THE POUR JOINT.
15. GROUTING OF MASONRY BEAMS OVER OPENINGS SHALL BE DONE IN ONE CONTINUOUS OPERATION.
16. ALL BOLTS INSERTED IN THE WALLS SHALL BE GROUTED SOLIDLY INTO POSITION.
17. WHERE EXPANSION BOLTS OR OTHER ANCHORS ARE EMBEDDED INTO THE SIDE OF MASONRY WALLS, THE CELLS SHALL BE FULLY GROUTED AT LEAST 8" ABOVE AND BELOW EACH BOLT OR ANCHOR.
18. REINFORCED MASONRY WORK SHALL BE SUBJECT TO QUALITY ASSURANCE TESTING AND INSPECTIONS. SEE QUALITY ASSURANCE GENERAL NOTES AND PROJECT SPECIFICATIONS.
19. REINFORCING SHALL BE LAPPED A MINIMUM OF 36 INCHES. U.N.O.
20. WHERE NOT OTHERWISE SHOWN, MASONRY WALL FOOTINGS SHALL BE 12" THICK AND HAVE A MINIMUM OF 4" PROJECTION ON EACH SIDE OF WALL. REINFORCE WITH (3) #5 BARS CONTINUOUS.
21. WALLS SHALL BE GROUTED USING LOW LIFT GROUTING TECHNIQUES.
22. EXPANSION BOLTS SHALL BE 5/8" DIA., EMBEDDED 3-1/2" MINIMUM AND HAVING A PULLOUT STRENGTH OF 1.5K U.N.O.



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CONSTRUCTION DOCUMENTS

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ISSUED DATE 6-16-15
SHEET TITLE

GENERAL NOTES

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

50.1





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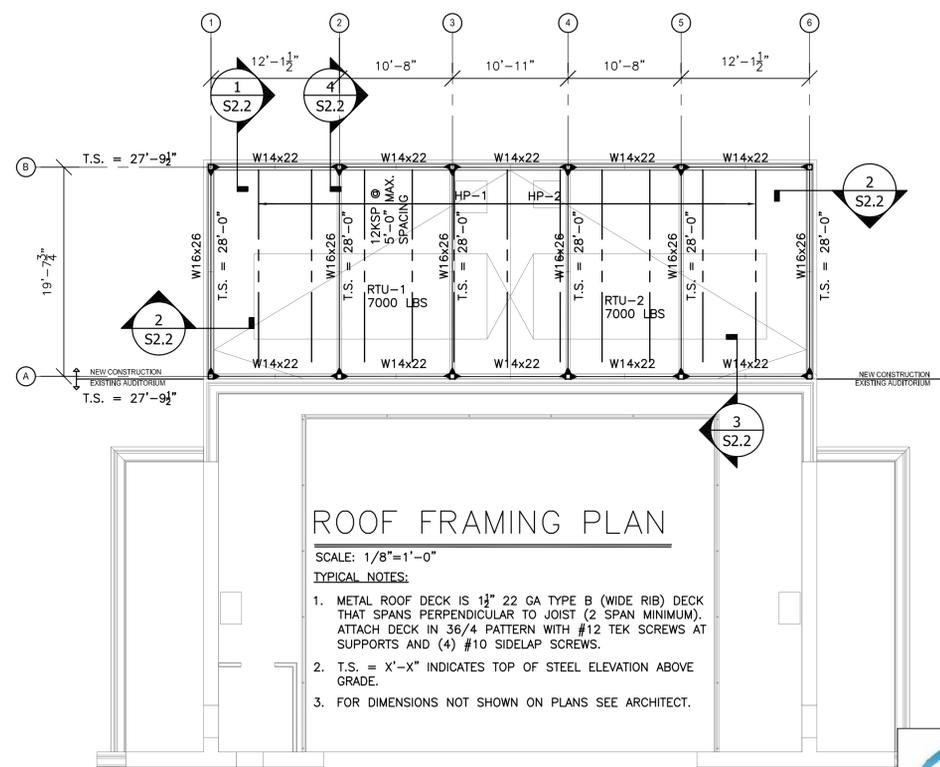
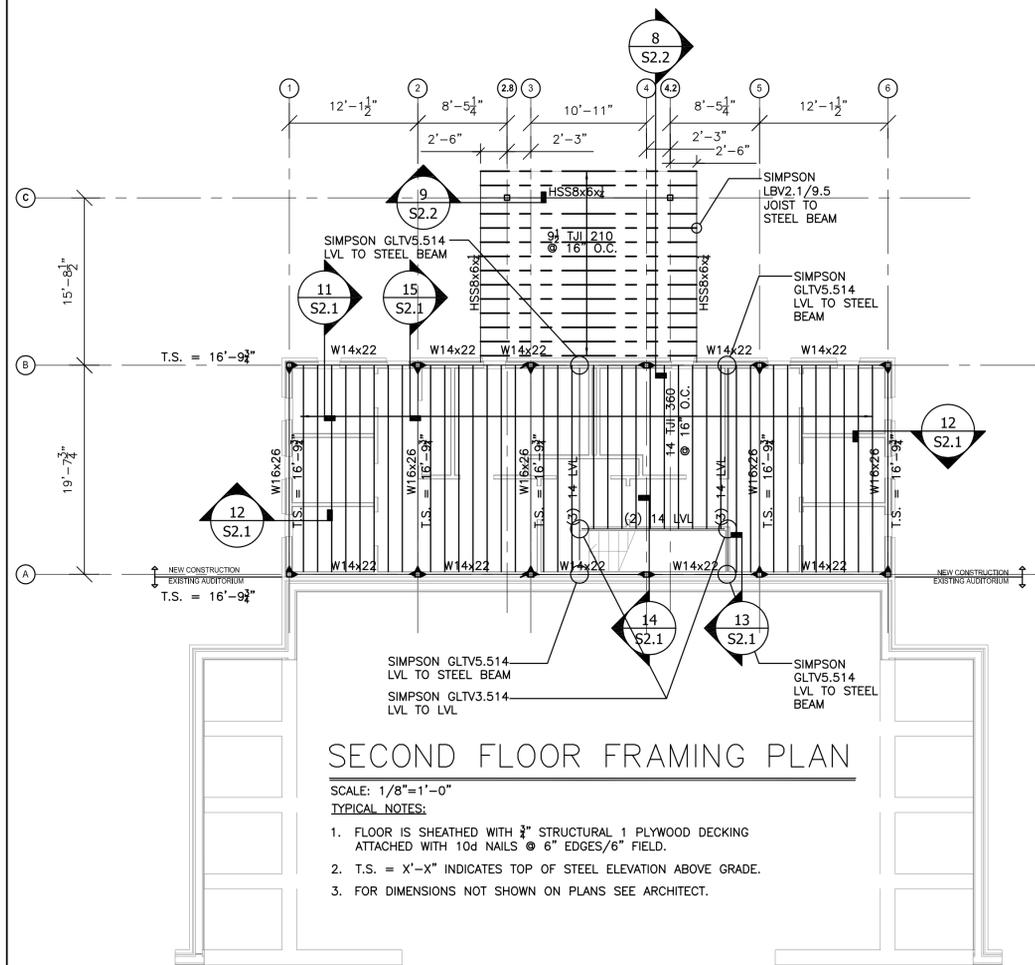
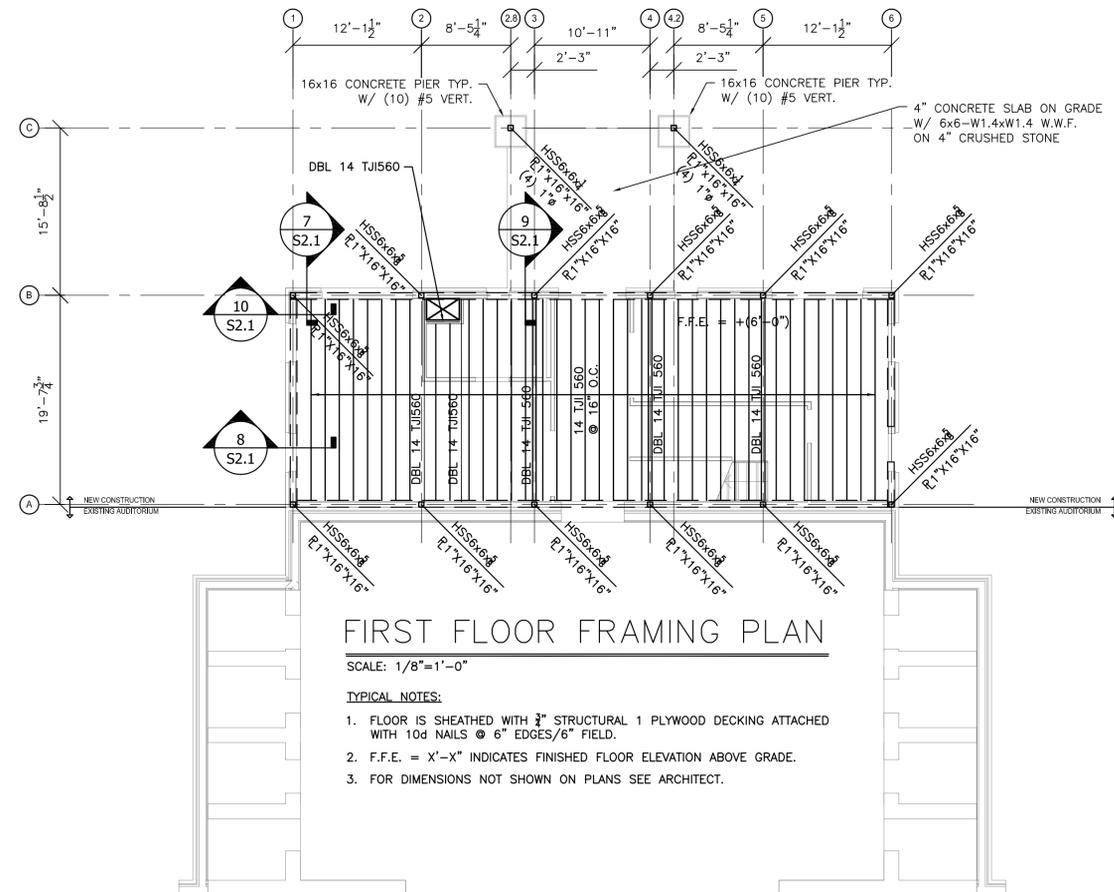
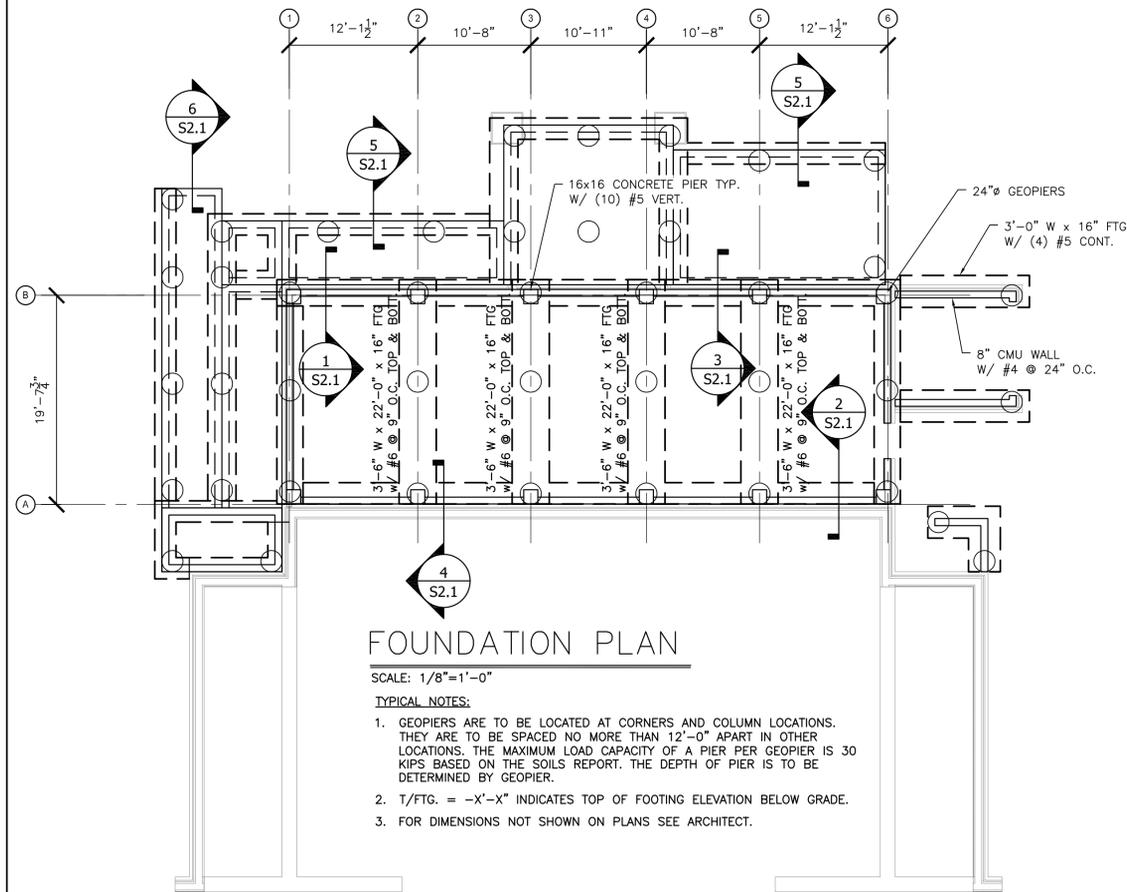
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FOUNDATION, FLOOR, AND ROOF  
FRAMING PLANS

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

S1.1



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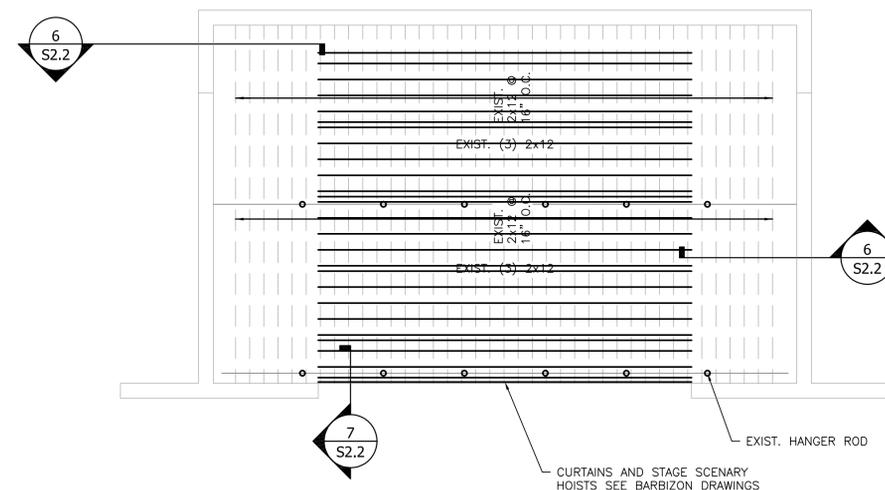
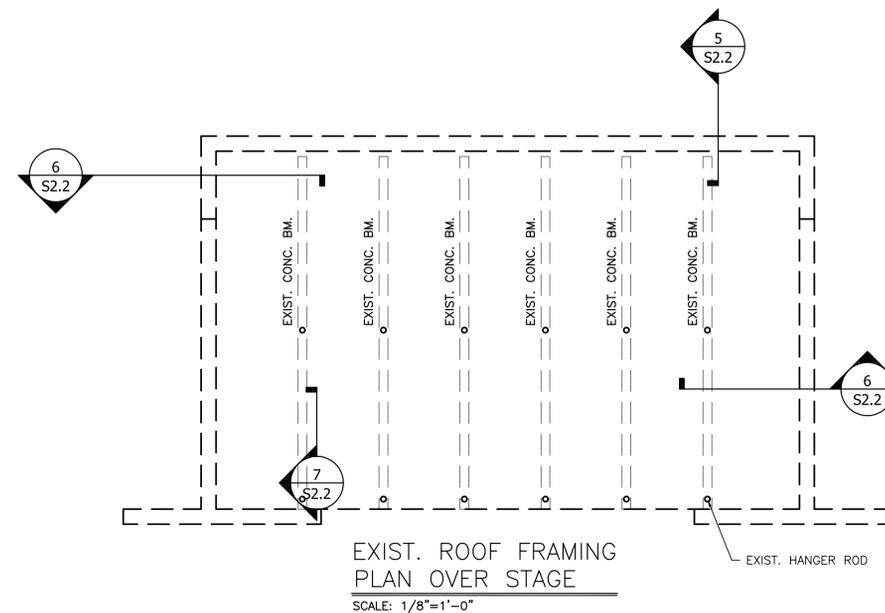
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STAGE  
FRAMING PLANS

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

S1.2



EXIST. CEILING FRAMING  
PLAN OVER STAGE

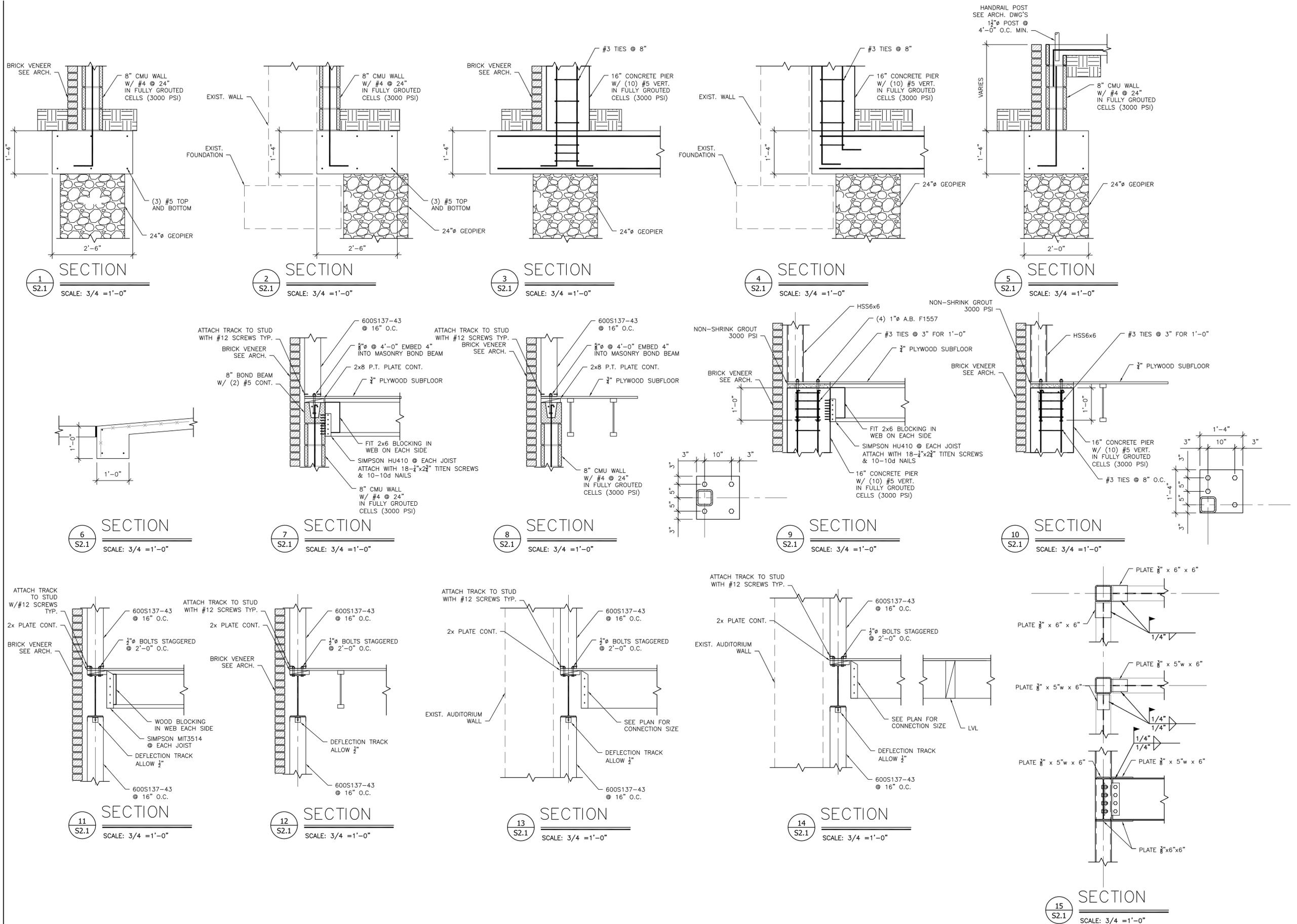
SCALE: 1/8"=1'-0"

TYPICAL NOTES:

- 1. WOOD FRAMING IS ASSUMED TO BE SPF NO. 2.
- 2. FRAMING WILL SUPPORT A LIVE LOAD OF 20 PSF + SELF WEIGHT. IF ACTUAL LOADS EXCEED THIS AMOUNT REINFORCING WILL BE REQUIRED.



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SECTIONS  
 AND DETAILS  
 DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET  
**S2.1**





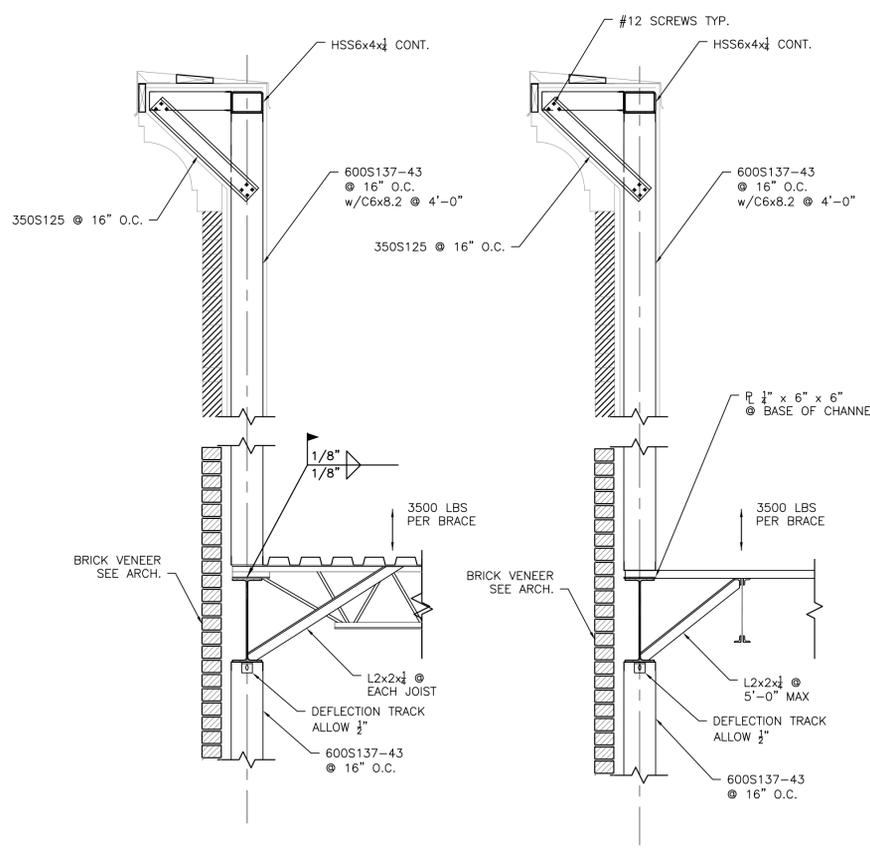
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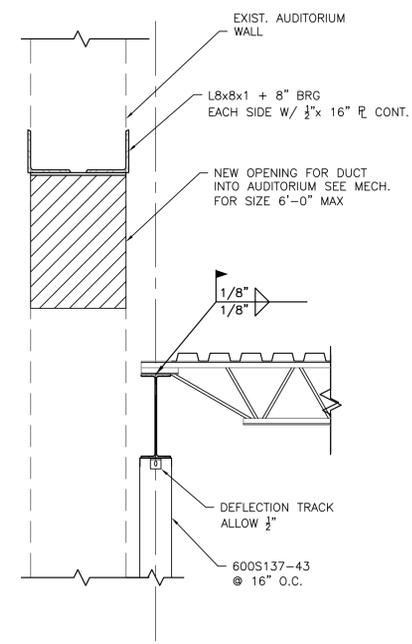
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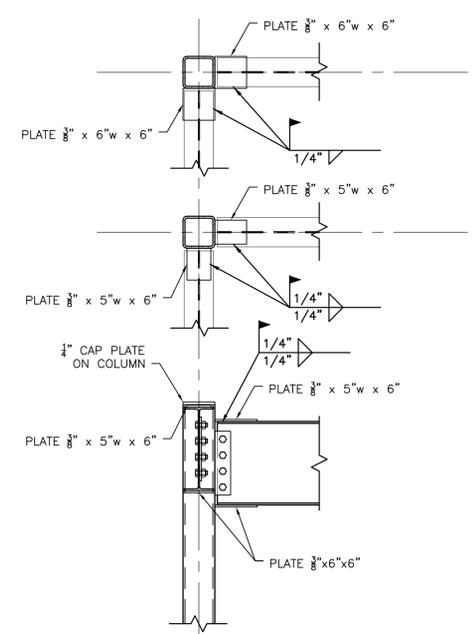


**1 SECTION**  
 S2.2 SCALE: 3/4 = 1'-0"

**2 SECTION**  
 S2.2 SCALE: 3/4 = 1'-0"

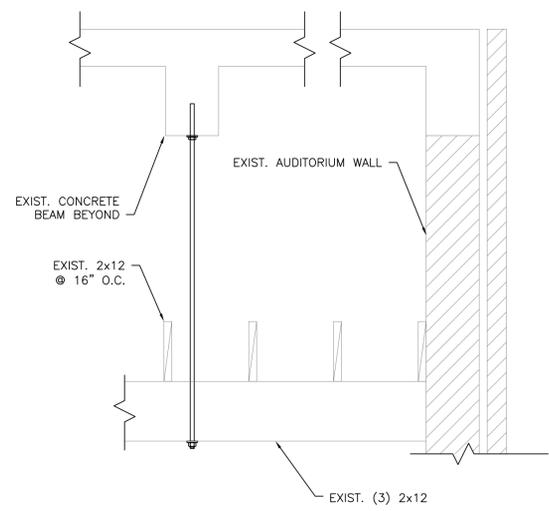


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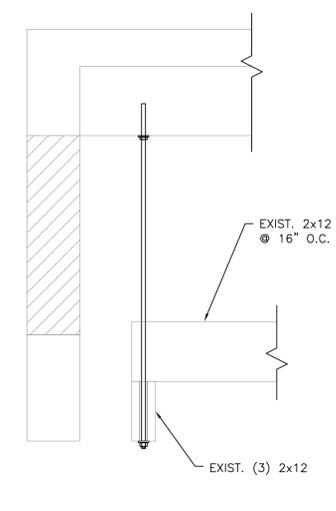


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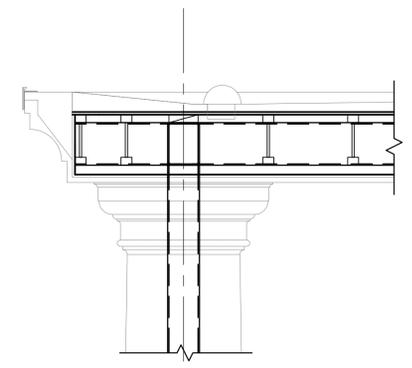
**5 SECTION**  
 S2.2 SCALE: 3/4 = 1'-0"



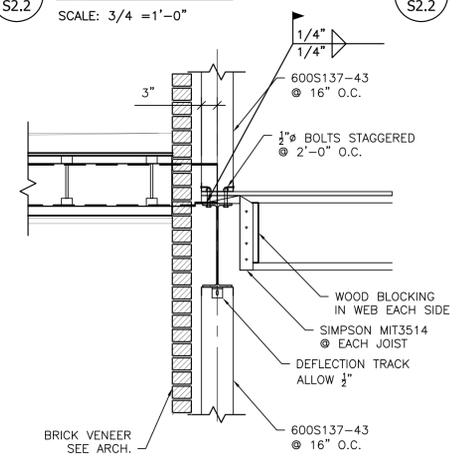
**6 SECTION**  
 S2.2 SCALE: 3/4 = 1'-0"



**7 SECTION**  
 S2.2 SCALE: 3/4 = 1'-0"



**8 SECTION**  
 S2.2 SCALE: 3/4 = 1'-0"



**9 SECTION**  
 S2.2 SCALE: 3/4 = 1'-0"

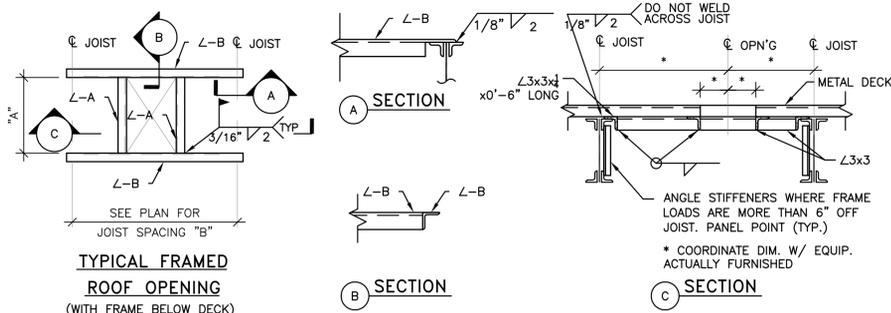
LINTEL SCHEDULE		
OPENING WIDTH	ANGLE SIZE	BEARING REQUIREMENT
2'-3"	L3x3x1/4	8" EACH END
3'-9"	L4x4x1/4	8" EACH END
6'-4"	L6x4x3/8 LLV	8" EACH END
8'-9"	L7x4x3/8 LLV	8" EACH END

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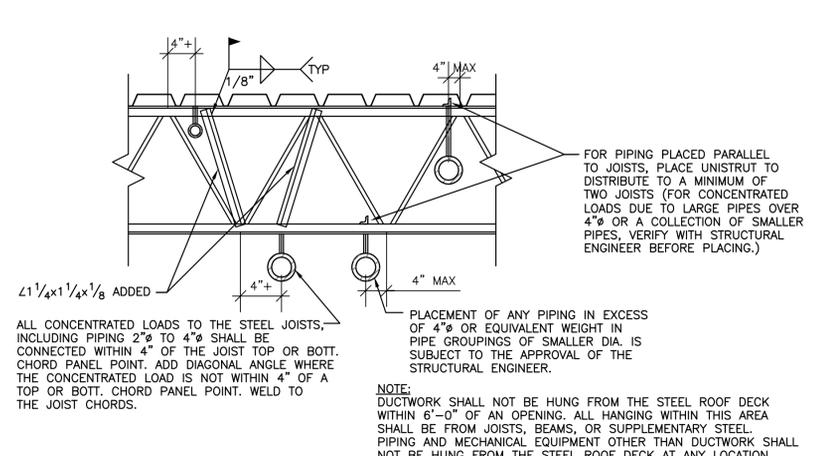
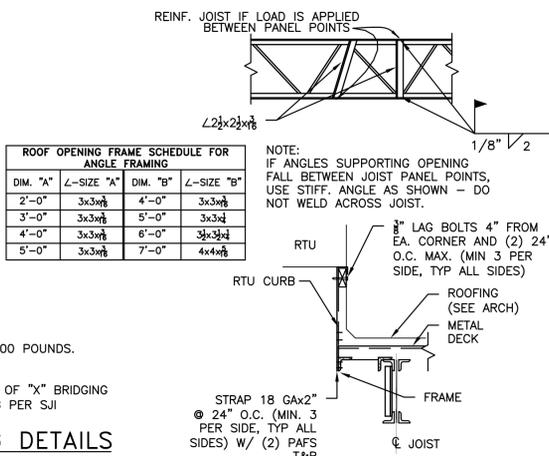
SECTIONS AND DETAILS  
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**S2.2**



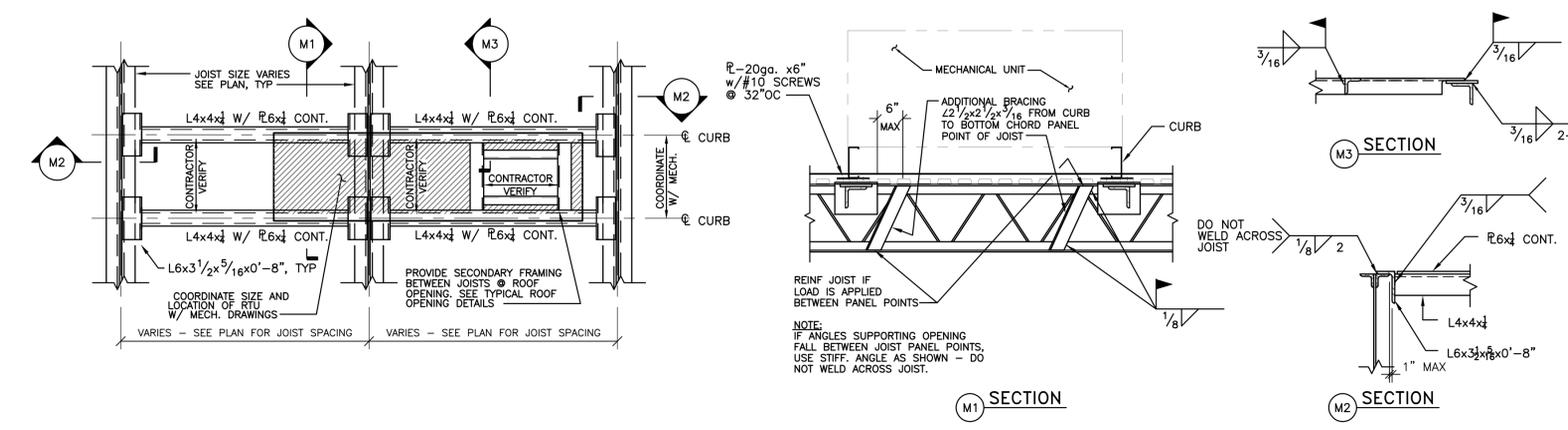
**TYPICAL FRAMED ROOF OPENING**  
(WITH FRAME BELOW DECK)

- NOTES:
1. FRAMED OPENING REQUIRED IN ROOF FOR ALL OPENINGS GREATER THAN 0'-6" AND/OR SUPPORTING EQUIPMENT GREATER THAN 100 POUNDS.
  2. COORDINATE TYPE OF OPENING REQUIRED WITH APPROPRIATE MANUFACTURER.
  3. SEE ROOF FRAMING PLAN FOR ORIENTATION.
  4. WHEN JOIST BRIDGING INTERFERES WITH ROOF OPENING, STOP BRIDGING AT EACH SIDE OF OPENING AND REPLACE WITH ONE RUN OF "X" BRIDGING EACH SIDE OF OPENING. EXTEND ADDITIONAL "X" BRIDGING ONE JOIST SPACE EACH SIDE OF OPENING ADJACENT TO THE OPENING PER SJI

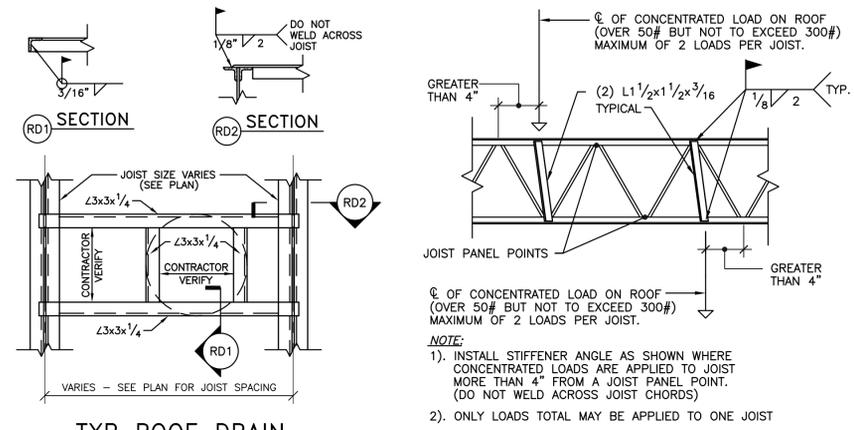
**TYPICAL FRAMED ROOF OPENING DETAILS**



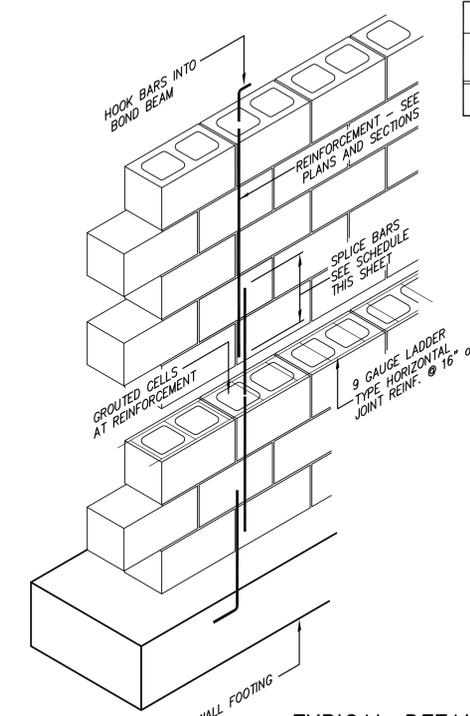
**SPECIFIC HANGER REQUIREMENTS FOR STEEL JOISTS**



**TYPICAL MECHANICAL UNIT SUPPORT FRAMING DETAILS**



**TYP ROOF DRAIN SUPPORT FRAMING DETAIL**      **JOIST REINFORCEMENT DETAIL**

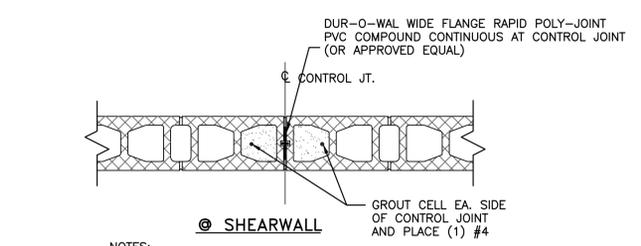


**TYPICAL DETAIL OF LOW-LIFT REINFORCED MASONRY CONSTRUCTION**

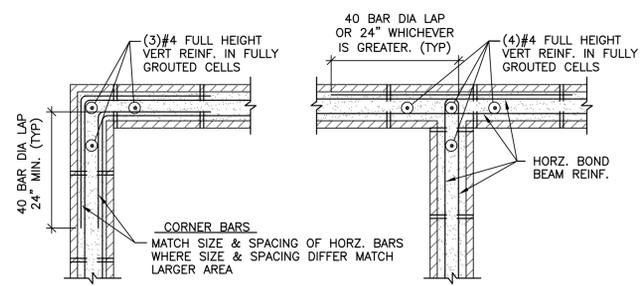
BAR TYPE	BAR SIZE AND LAP LENGTH						
	#3	#4	#5	#6	#7	#8	#9
FILLED 8" CMU CELLS (Single Bar)	19"	25"	31"	57"	79"	113"	-

- NOTE:
1. THESE VALUES ARE ADEQUATE FOR REGULAR WEIGHT CONCRETE. THEY MAY BE MULTIPLIED BY 1.3 IF LIGHT WEIGHT CONCRETE IS USED.
  2. THESE VALUES ARE ADEQUATE FOR BARS WITHOUT EPOXY COATING.
  3. THESE VALUES APPLY TO MASONRY w/ f'm = 1,500 PSI.
  4. SBC CODE SECTION 2108.9.2.11 ANS SECTION 12.14.3 ALLOW OPTIONAL REINFORCING SPLICES AS FOLLOWS:
    - A WELDED SPLICE WHEREBY BARS ARE BUTTED AND WELDED TO DEVELOP IN TENSION 125 PERCENT OF THE YIELD STRENGTH OF THE BAR.
    - MECHANICAL CONNECTIONS THAT ARE CAPABLE OF DEVELOPING 125 PERCENT OF THE YIELD STRENGTH OF THE BAR.

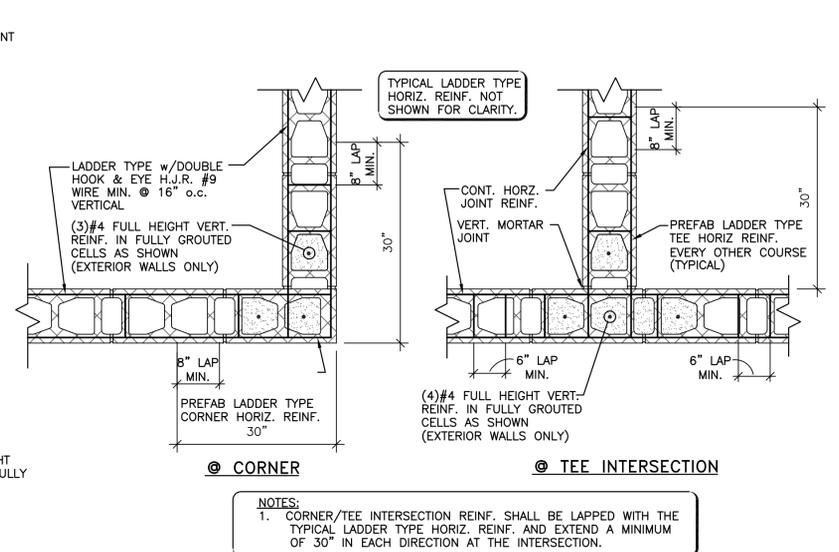
- LOW LIFT GROUTING PROCEDURE:**
- A. CONSTRUCT WALL TO HEIGHT OF 5'-0" ALLOW MORTAR TO SET SUFFICIENTLY TO WITHSTAND GROUT PRESSURE.
  - B. INSPECT UNITS FOR ALIGNMENT. CLEAN OUT CELLS TO BE FILLED.
  - C. FILL CELLS TO 1 1/2" BELOW TOP COURSE.
  - D. DELAY 3 TO 5 MINUTES PRIOR TO CONSOLIDATING TO ALLOW WATER TO BE ABSORBED BY MASONRY.
  - E. VERTICAL REINFORCING PRE-MANUFACTURED REBAR POSITIONER SHALL BE LOCATED AT THE TOP OF THE FIRST COURSE AT THE COURSE BELOW THE TOP OF THE WALL AND 4'-0" o.c. (MAX.)



**TYP CMU CONTROL JTS**



**TYPICAL PLAN OF CORNER AND INTERSECTION DETAILS FOR MASONRY BOND BEAMS**



**TYP. NON-COLUMN CMU WALL CORNER AND TEE INTERSECTION w/ PREFABRICATED CORNERS & TEES**



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TYPICAL DETAILS  
DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET  
**S2.3**



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6/15/2015

CITY OF ROME, GEORGIA  
**ROME CITY AUDITORIUM  
 UPGRADES AND NEW ADDITION**  
 601 BROAD STREET  
 ROME, GEORGIA 30161

**CONSTRUCTION DOCUMENTS**

PROJECT NUMBER  
**14047**  
ISSUED BY  
CEVIAN® Design Lab, LLC  
ISSUED DATE  
**06/15/15**  
SHEET TITLE  
**HVAC SCHEDULES**

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

**MO.1**

HVAC LEGEND		
SYMBOL - SINGLE LINE	SYMBOL - DOUBLE LINE	DESCRIPTION
		BACKDRAFT DAMPER
		CEILING DIFFUSER
		CEILING RETURN GRILLE
		DIFFUSER TAG: TYPE "A", NECK SIZE 8", BALANCED FOR 200 CFM
		GRILLE TAG: TYPE "EG-1", BALANCED FOR 75 CFM
		DROP
		DUCT SIZE - RECTANGULAR
		DUCT SIZE - ROUND
		DUCT SMOKE DETECTOR
		DUCT TRANSITION
		EQUIPMENT DESIGNATION
		FIRE DAMPER, HORIZONTAL
		FIRE DAMPER, VERTICAL
		FLEXIBLE DUCT
		HUMIDISTAT
		LINED DUCT
		MANUAL VOLUME DAMPER
		MOTOR OPERATED DAMPER
		RETURN AIR DUCT TURNED DOWN
		RETURN AIR DUCT TURNED UP
		RISE
		REVISION TAG (#1)
		SIDEWALL SUPPLY REGISTER OR GRILLE
		SIDEWALL RETURN REGISTER OR GRILLE
		SMOKE DAMPER
		SUPPLY AIR DUCT TURNED DOWN
		SUPPLY AIR DUCT TURNED UP
		THERMOSTAT, WALL-MOUNTED
		RECT. ELBOW WITH TURNING VANES
		UNDER CUT (DOOR) 1"
		WALL LOUVER INTAKE
		WALL LOUVER EXHAUST
		FLEXIBLE EQUIPMENT CONNECTOR
		CARBON DIOXIDE SENSOR

HVAC ABBREVIATIONS	
SYMBOL	DESCRIPTION
MBH	1000 BTU/HR
A/C	ABOVE CEILING
A/F	ABOVE FLOOR
AHU	AIR HANDLING UNIT
CD	CONDENSATE DRAIN
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE (IN. W.C.)
HP	HEAT PUMP UNIT
OA	OUTSIDE AIR
WL	WALL LOUVER
FC	FLEXIBLE EQUIPMENT CONNECTOR
MSHP	MINI-SPLIT HEAT PUMP UNIT
MSFC	MINI-SPLIT FAN COIL UNIT

SPLIT SYSTEM HEAT PUMP SCHEDULE												
TAG	BASIS OF DESIGN	SUPPLY AIR CFM	OA CFM	E.S.P. (W.G.)	HT. PUMP CLG. CAP. SEN./TOT. (MBH)	COOLING EFFIC. (S)EER	HT. PUMP HTG. CAP. 47/17 F (MBH)	HEATING EFFIC. (HSPF)	AUX. ELEC. HEATERS KW/STAGES	ELECTRICAL	ODU/IDU WEIGHT (LBS)	NOTES
HP/AHU-1-1	TRANE 4TWB3024/GAM2A0A24	800	105	0.5	18/24	13.25	22/16	8.0	5/1	SEE DIV. 16	159/116	1,2,3,4
HP/AHU-2-1	TRANE 4TWB3036/GAM2A0A36	1,200	300	0.5	25/34	13.0	36/23	8.0	8/1	SEE DIV. 16	198/120	1,2,3,4

**NOTES:**

- BASIS OF DESIGN IS TRANE. EQUIVALENT ALTERNATES BY CARRIER, DAIKIN-MCQUAY, LENNOX ARE ACCEPTABLE.
- UNITS TO BE CONTROLLED BY SEVEN DAY PROGRAMMABLE THERMOSTATS, LOCATED AS SHOWN ON PLANS.
- REFRIGERANT FOR NEW EQUIPMENT SHALL BE R-410A. NO R-22 IS ALLOWED.
- LOW AMBIENT COOLING CAPABILITY.

EXHAUST FAN SCHEDULE										
TAG	BASIS OF DESIGN	CFM	E.S.P.	WEIGHT (LBS)	SONES	OPER. W	MOTOR HP	POWER	CONTROL	NOTES
EF-1-1	GREENHECK SP-B110	90	0.25	11	1.3	100	-	SEE DIV. 16	LIGHT SWITCH	1-3
EF-2-1	GREENHECK SP-A200	140	0.25	25	1.4	48	-	SEE DIV. 16	LIGHT SWITCH	1-3
EF-2-2	GREENHECK SP-A200	140	0.25	25	1.2	48	-	SEE DIV. 16	LIGHT SWITCH	1-3

**NOTES:**

- BASIS OF DESIGN IS GREENHECK. EQUIVALENT PRODUCTS BY COOK, BROAN AND PENBERRY ARE ACCEPTABLE.
- SPEED CONTROLLER.
- BACKDRAFT DAMPER.

WALL LOUVER SCHEDULE								
TAG	BASIS OF DESIGN	CFM	WIDTH	HEIGHT	FREE AREA (SQFT)	COLOR	APPLICATION	NOTES
WL-1-1	RUSKIN ELF-375DX	70	12	12	0.14	METALLIC	EXHAUST	1-3
WL-1-2	RUSKIN ELF-375DX	105	12	12	0.21	METALLIC	INTAKE	1-3

**NOTES:**

- BASIS OF DESIGN IS RUSKIN. EQUIVALENT PRODUCTS BY GREENHECK AND NAILOR ARE ACCEPTABLE.
- BACKDRAFT DAMPER
- INSECT SCREEN

GRAVITY VENTILATOR SCHEDULE							
TAG	BASIS OF DESIGN	CFM	SIZE	WEIGHT LBS.	COLOR	APPLICATION	NOTES
GV-1	GREENHECK GRSR	390	10	8	METALLIC	EXHAUST	1,2
GV-2	GREENHECK GRSI	300	10	8	METALLIC	INTAKE	1,2

**NOTES:**

- BACKDRAFT DAMPER
- INSECT SCREEN

PACKAGED ROOFTOP HVAC UNIT SCHEDULE																	
TAG	BASIS OF DESIGN	CFM	MIN. O.A. CFM	MAX. O.A. CFM	COOLING COIL			IEER	NATURAL GAS HEATING (MBTU)			AFUE (%)	E.S.P. (IN. WG.)	SUPPLY FAN BHP	BASE UNIT WT. (LBS)	POWER	NOTES
					SENS.	TOTAL	EAT		INPUT	OUTPUT	EAT						
RTU-1,2	TRANE YCH600	16,000	290	3,765	424.5	576.5	80/67	14.5	800.0	648.0	70	81	2.0	15.93	6,900	SEE DIV. 16	1-10

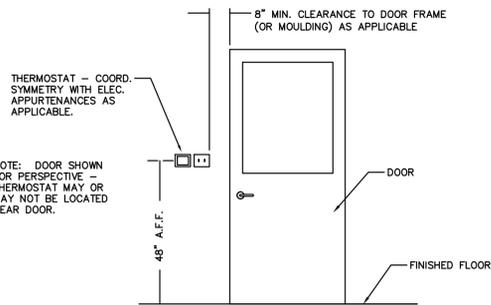
**NOTES:**

- BASIS OF DESIGN IS TRANE. EQUIVALENT PRODUCTS BY TRANE AND LENNOX ARE ACCEPTABLE. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR DETERMINATION OF EQUIVALENCY WHEN SUBSTITUTING EQUIPMENT OTHER THAN THAT SCHEDULED.
- EXTERNAL STATIC PRESSURE CALCULATION ACCOUNTS FOR DUCT SYSTEM AND GRILLES ONLY. IT DOES NOT ACCOUNT FOR FILTERS, COILS, HEAT EXCHANGERS, OR ELECTRIC HEATERS, OR OTHER EQUIPMENT INSIDE THE UNIT.
- LOW AMBIENT CONTROL CAPABILITY.
- UNITS TO BE CONTROLLED BY NEW SEVEN DAY PROGRAMMABLE THERMOSTATS, INSTALL NEW THERMOSTATS IS LOCATION OF EXISTING THERMOSTATS.
- CO2 SENSOR IN RETURN AIR DUCT FOR DEMAND CONTROLLED VENTILATION. MODULATE MOD BETWEEN MINIMUM AND MAXIMUM O.A. TO MAINTAIN 400 PPM CO2 CONCENTRATION IN THE SPACE.
- ENTHALPY-CONTROL 0-100% ECONOMIZER.
- SUPPLY FUSED DISCONNECT AND SERVICE RECEPTACLE ON RTU'S.
- HAIL GUARDS ON EXPOSED COILS.
- ROOF CURB.
- SINGLE ZONE VAV.

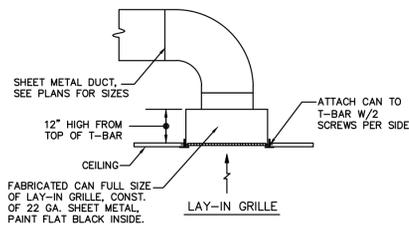
MINI-SPLIT HVAC EQUIPMENT SCHEDULE														
TAG	BASIS OF DESIGN	COOL. MBH		SYS. KW	HEAT. MBH		SYS. KW	CFM (WET)	ESP	MIN O.A.	EFF. (S)EER/HSPF	POWER	OPER. WEIGHT	NOTES
		SENS.	TOTAL		47 F	17 F								
ODU-1 IDU-1	DAIKIN PUY-A24NH44 MITSUBISHI PKA-A24HA4	18.5	24.0	2.2	-	-	-	570-700	-	-	15.5/-	SEE DIV 16	163 46	1-6

**NOTES:**

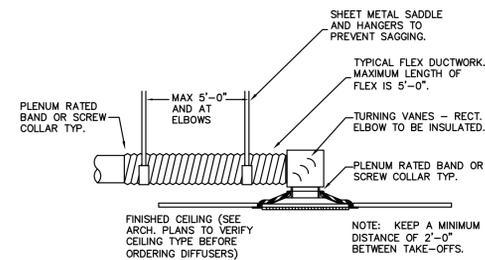
- BASIS OF DESIGN IS MITSUBISHI. EQUIVALENT PRODUCTS BY LG AND FUJITSU ARE ACCEPTABLE. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR DETERMINATION OF EQUIVALENCY WHEN SUBSTITUTING EQUIPMENT OTHER THAN THAT SCHEDULED.
- COOLING CAPACITIES CALCULATED BASED ON 80/67 RETURN AIR, 95 AMBIENT OUTDOOR.
- HEATING CAPACITIES CALCULATED BASED ON 70 RETURN AIR, 47 AMBIENT OUTDOOR.
- LOW AMBIENT CONTROL CAPABILITY.
- UNITS TO BE CONTROLLED BY SEVEN DAY PROGRAMMABLE THERMOSTATS, LOCATED AS SHOWN ON PLANS.
- REFRIGERANT FOR NEW EQUIPMENT SHALL BE R-410A. NO R-22 IS ALLOWED.



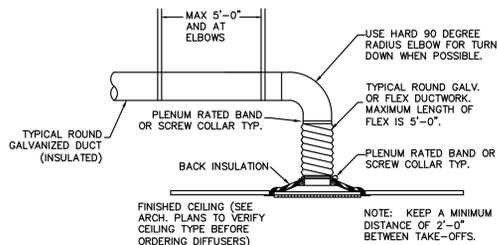
**1 THERMOSTAT MOUNTING DETAIL**  
M0.2 NOT TO SCALE



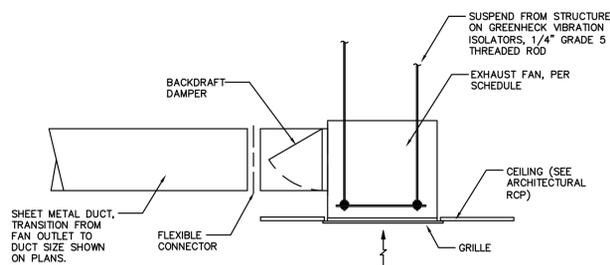
**2 RETURN GRILLE DETAIL**  
M0.2 NOT TO SCALE



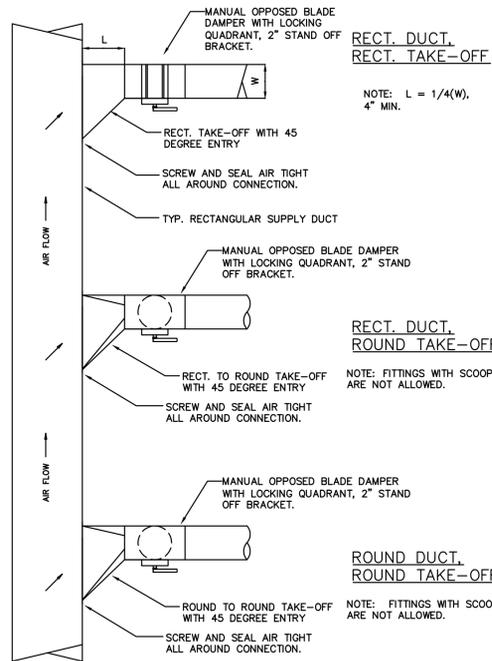
**LOW CLEARANCE BRANCH DUCT DETAIL**



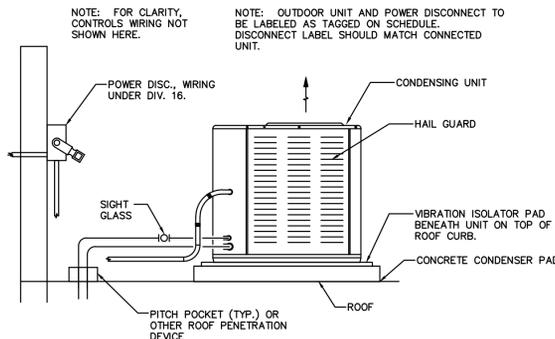
**3 BRANCH DUCT DETAILS**  
M0.2 NOT TO SCALE



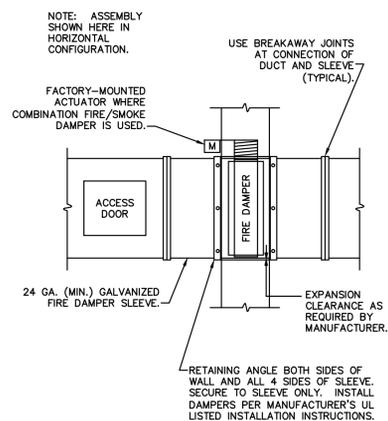
**4 EXHAUST FAN DETAIL - CEILING STYLE**  
M0.2 NOT TO SCALE



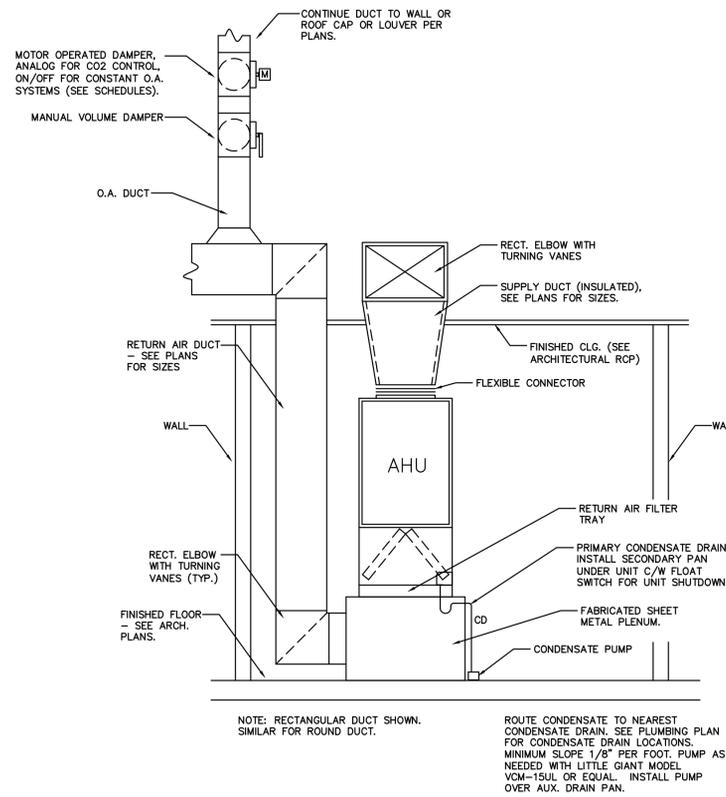
**5 BRANCH TAKE-OFF DETAILS**  
M0.2 NOT TO SCALE



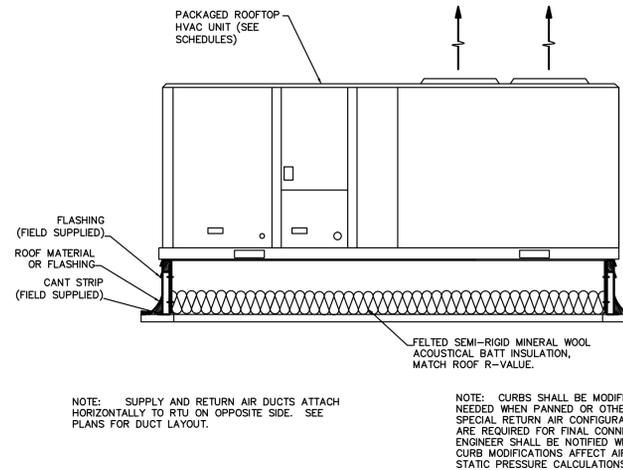
**6 SPLIT SYSTEM HEAT PUMP DETAIL**  
M0.2 NOT TO SCALE



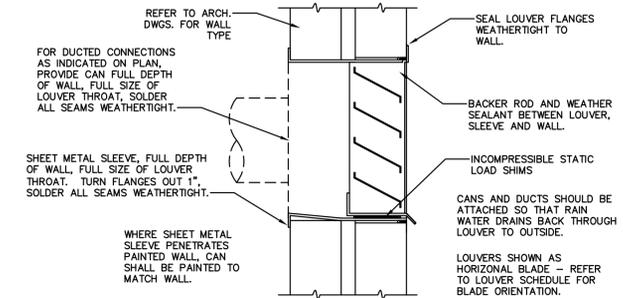
**7 FIRE DAMPER DETAIL**  
M0.2 NOT TO SCALE



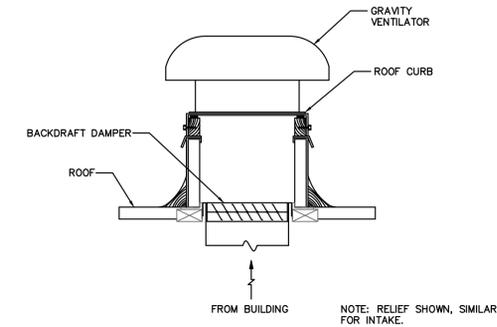
**8 VERTICAL SPLIT AIR HANDLER DETAIL**  
M0.2 NOT TO SCALE



**9 PACKAGED ROOFTOP UNIT DETAIL**  
M0.2 NOT TO SCALE



**10 WALL LOUVER DETAIL**  
M0.2 NOT TO SCALE



**11 GRAVITY VENTILATOR DETAIL**  
M0.2 NOT TO SCALE



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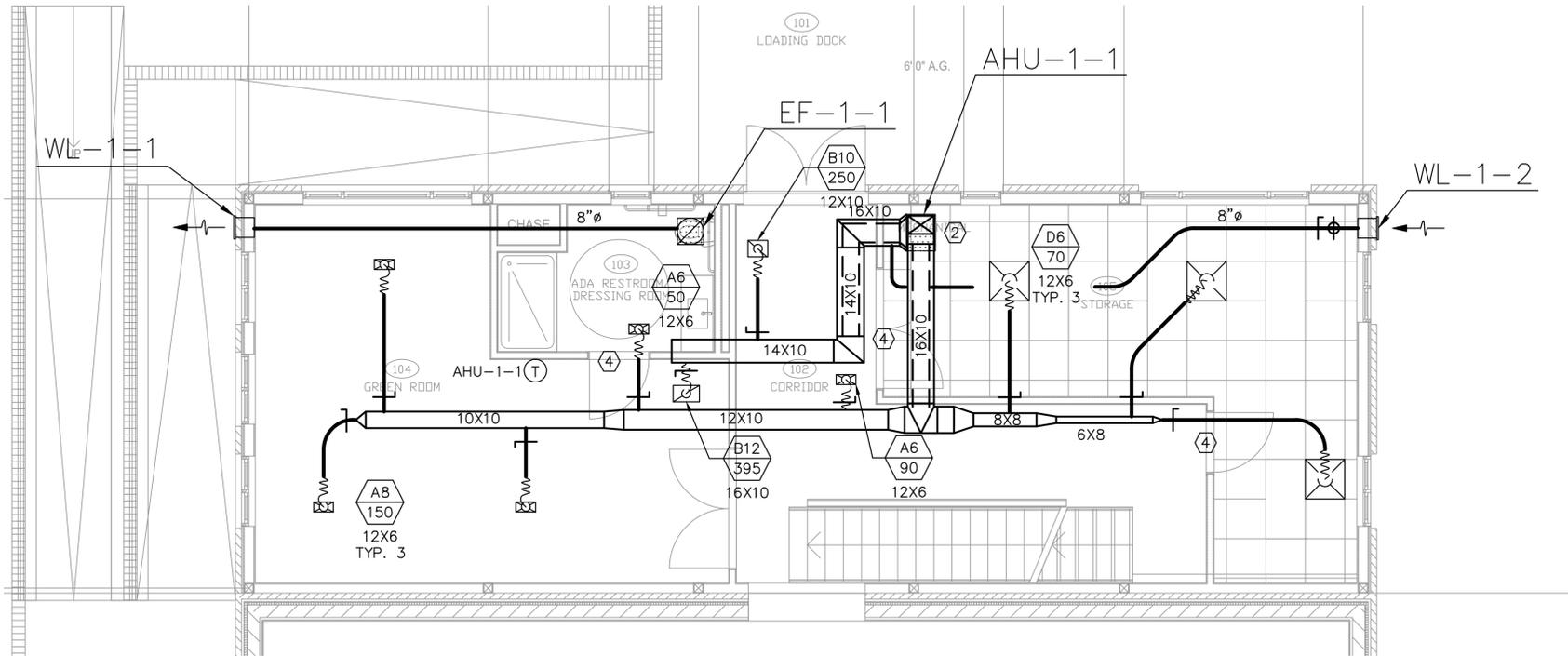
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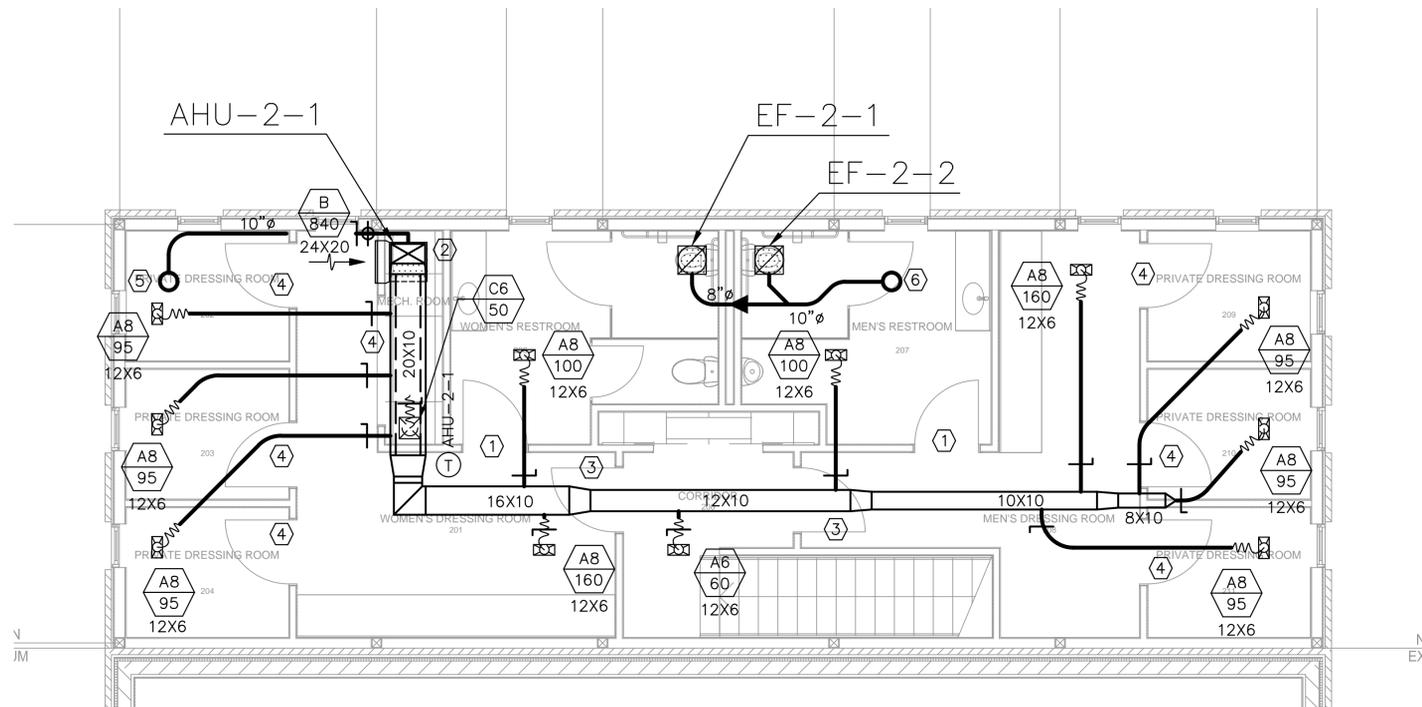
HVAC DETAILS

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

**M0.2**



**1 HVAC PLAN FIRST FLOOR**  
 M1.1 SCALE: 1/4" = 1'-0"



**2 HVAC PLAN - SECOND FLOOR**  
 M1.1 SCALE: 1/4" = 1'-0"

**KEYED NOTES - THIS SHEET ONLY**

- 1 INSTALL PRICE STG 16X14 DOOR GRILLE.
- 2 ROUTE CONDENSATE TO NEAREST CONDENSATE DRAIN. SEE PLUMBING PLANS FOR DRAIN LOCATIONS.
- 3 INSTALL PRICE STG 28X28 DOOR GRILLE.
- 4 UNDERCUT DOOR 1".
- 5 10" OUTSIDE AIR DUCT UP TO GRAVITY VENTILATOR.
- 6 10" EXHAUST DUCT UP TO GRAVITY VENTILATOR.

**GENERAL NOTES - THIS SHEET ONLY**

1. ALL TOILET, JANITOR, AND OTHER ROOMS HAVING EXHAUST FANS SHALL HAVE 1" UNDERCUT DOORS UNLESS OTHERWISE NOTED.
2. INSTALL FIRE DAMPERS IN ALL RATED CEILING, WALL AND FLOOR PENETRATIONS OF OTHER RATED SURFACES. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF RATED AREAS.
3. COORDINATE LOCATION OF UNITS AND ASSOCIATED DUCTWORK TO ALLOW ACCESS FOR SERVICING UNITS.
4. ROUTE DUCTWORK THROUGH JOISTS.
5. COORDINATE DIFFUSER LOCATIONS WITH LOCATION OF JOISTS AND LIGHTS. SEE ARCHITECTURAL AND ELECTRICAL PLANS.
6. COORDINATE FINAL LOCATION OF AHU-1-1 WITH PLUMBING FIXTURES/PIPING IN STORAGE ROOM. SEE PLUMBING PLAN.
7. COORDINATE FINAL LOCATION OF AHU-2-1 AND DUCTWORK WITH HOT WATER HEATER AND ASSOCIATED PIPING AND VENTS. SEE PLUMBING PLANS.
8. OUTSIDE AIR INTAKES MUST BE LOCATED AT LEAST 10' FROM EXHAUST DISCHARGE OR VENT LOCATIONS.



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**HVAC PLAN  
 1ST & 2ND FLOORS**

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

**M1.1**



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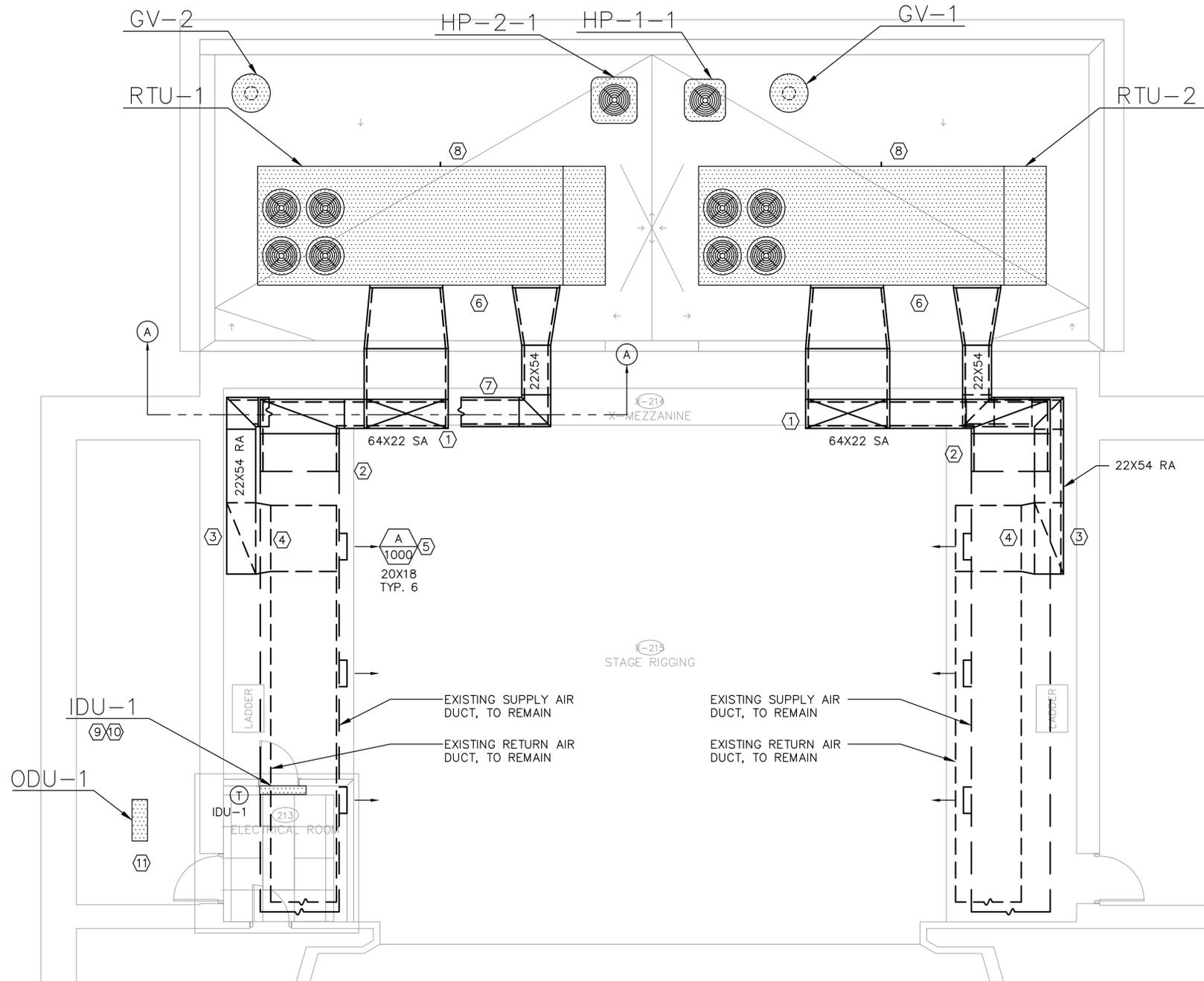
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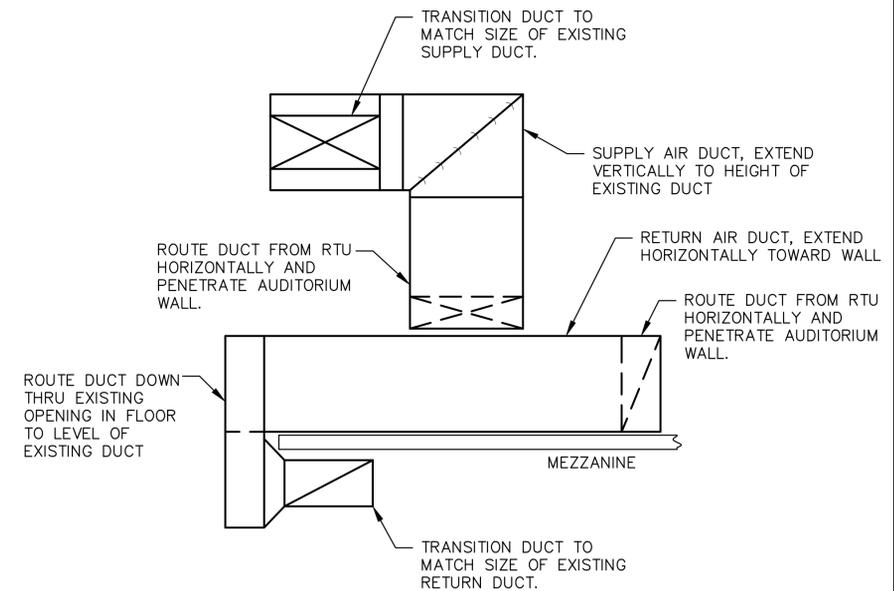
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**1 HVAC ROOF/MEZZANINE LEVEL PLAN**  
M1.2 SCALE: 1/4" = 1'-0"



**2 SECTION A-A**  
M1.3 NOT TO SCALE

NOTE: ROUTE DUCTS AND PENETRATE WALL IN A MANNER TO ALLOW FOR RETURN DUCT TO ROUTE BELOW SUPPLY DUCT.

DUCTWORK FOR RTU-1 SHOWN. SIMILAR FOR RTU-2.

**KEYED NOTES - THIS SHEET ONLY**

- ① ROUTE SUPPLY AIR DUCT UP VERTICALLY TO SAME ELEVATION AS EXISTING SUPPLY AIR DUCTWORK.
- ② TIE IN NEW SUPPLY AIR DUCTWORK FROM RTU TO EXISTING SUPPLY AIR DUCT.
- ③ ROUTE RETURN AIR DUCT DOWN VERTICALLY DOWN THROUGH FLOOR TO SAME ELEVATION AS EXISTING RETURN AIR DUCTWORK. USE EXISTING FLOOR OPENING FOR RETURN AIR DUCT OF EXISTING UNITS.
- ④ TIE IN NEW RETURN AIR DUCTWORK FROM RTU TO EXISTING RETURN AIR DUCT.
- ⑤ INSTALL DIFFUSERS ON SIDE OF SUPPLY DUCTWORK TO PROVIDE CONDITIONED AIR TO STAGE AND RIGGING AREAS. DIFFUSERS SIZED TO MAINTAIN AIR VELOCITY AT 500 FPM OR LOWER TO PREVENT NOISE ISSUES OR BLOWING THEATRICAL CURTAINS/PROPS.
- ⑥ VFD ACCESS LOCATED BETWEEN SUPPLY AND RETURN OPENING. MAINTAIN ADEQUATE CLEARANCE FOR MAINTENANCE ACCESS.
- ⑦ ARRANGE DUCT PENETRATIONS THROUGH AUDITORIUM WALL SUCH THAT RETURN DUCT CAN BE ROUTED BELOW THE SUPPLY DUCT.
- ⑧ CONNECT GAS SUPPLY PIPING TO RTU. SEE PLUMBING PLANS FOR GAS PIPING ROUTING AND DETAILS.
- ⑨ ROUTE CONDENSATE TO ROOF LEVEL WHERE ODU-1 IS LOCATED.
- ⑩ IDU-1 TO BE LOCATED ABOVE DOOR OF A/V ROOM.
- ⑪ ODU-1 TO BE LOCATED ON ROOF WHERE EXISTING CONDENSING UNITS ARE LOCATED.

**GENERAL NOTES - THIS SHEET ONLY**

1. EXISTING SUPPLY AIR DUCT IS 138" ABOVE RIGGING LEVEL FLOOR.
2. EXISTING RETURN AIR DUCT IS 12" BELOW RIGGING LEVEL FLOOR.
3. USE TURNING VANES FOR ALL 90° ELBOWS.
4. COVER ANY OPENINGS CREATED BY DEMOLITION OF EXISTING AIR HANDLING UNITS AND ASSOCIATED DUCT TRANSITIONS.
5. COVER AREA LEFT OPEN IN FLOOR PENETRATION DUE TO SIZE DIFFERENCE BETWEEN EXISTING RETURN PLENUM AND NEW RETURN DUCT FROM RTU'S.
6. ANY EXHAUST OR VENT DISCHARGE MUST BE LOCATED AT LEAST 10' FROM ANY OUTSIDE AIR INTAKE LOCATION.

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SHEET TITLE

**HVAC PLAN  
ROOF/MEZZANINE**

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

**M1.2**



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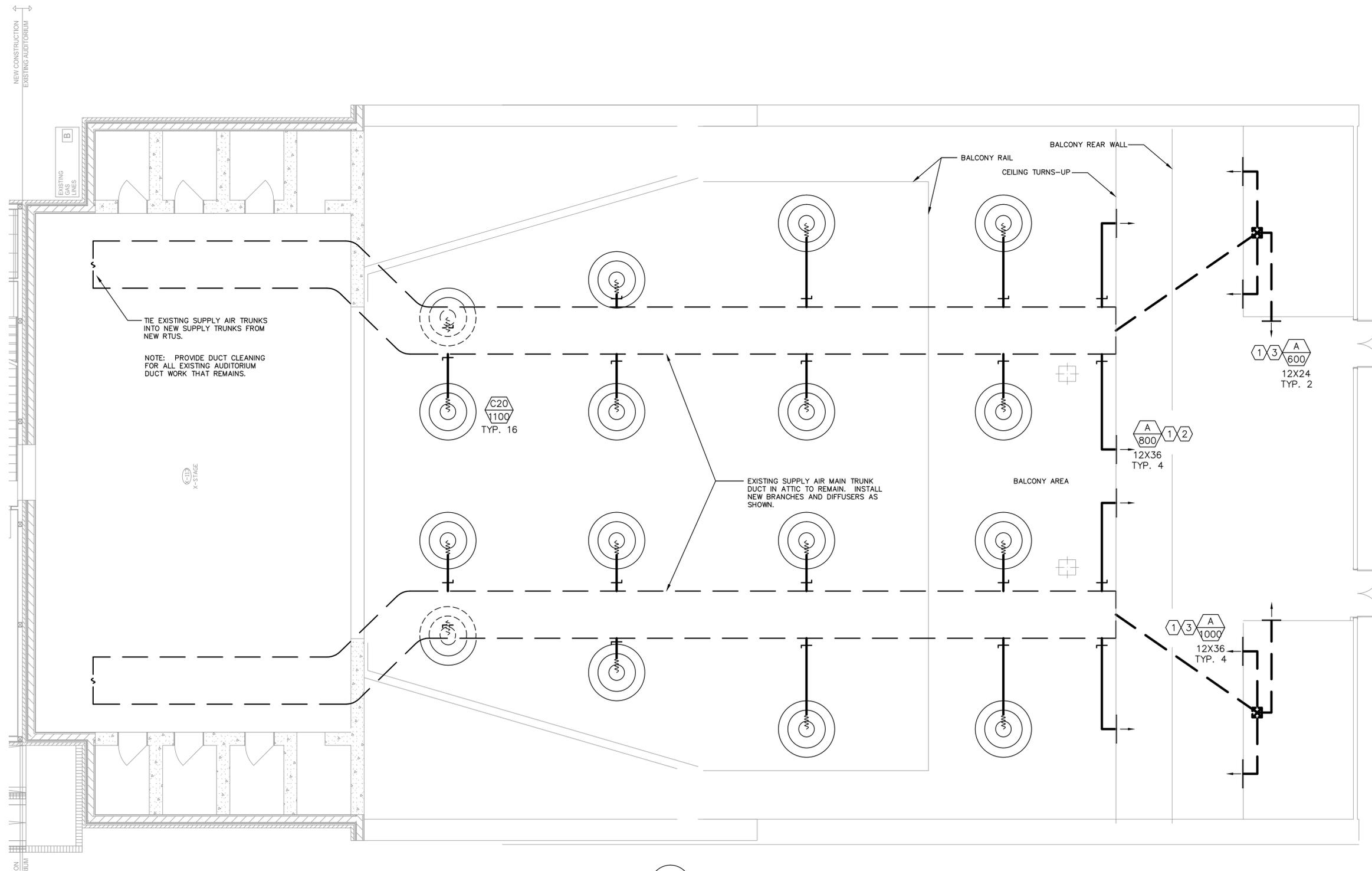
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TIE EXISTING SUPPLY AIR TRUNKS INTO NEW SUPPLY TRUNKS FROM NEW RTUS.

NOTE: PROVIDE DUCT CLEANING FOR ALL EXISTING AUDITORIUM DUCT WORK THAT REMAINS.

EXISTING SUPPLY AIR MAIN TRUNK DUCT IN ATTIC TO REMAIN. INSTALL NEW BRANCHES AND DIFFUSERS AS SHOWN.

**1 HVAC PLAN AUDITORIUM**  
M1.5 SCALE: 3/16" = 1'-0"

**KEYED NOTES - THIS SHEET ONLY**

- ① EXISTING DIFFUSER, TO REMAIN.
- ② DIFFUSERS LOCATED IN CEILING WALL WHERE IT TURNS VERTICAL IN FRONT OF BACK WALL OF BALCONY.
- ③ LOCATED IN BACK WALLS OF AUDITORIUM.

**GENERAL NOTES - THIS SHEET ONLY**

- 1. EXISTING SUPPLY AIR TRUNK DUCTS TO REMAIN.
- 2. REMOVE EXISTING CEILING DIFFUSERS AND REPLACE IN EXISTING LOCATIONS AS SCHEDULED.
- 3. DIFFUSERS SHOULD BE ADJUSTED FOR VERTICAL THROW TO PROVIDE AIR DISTRIBUTION TO SEATS ON MAIN FLOOR OF AUDITORIUM.
- 4. EXISTING WALL DIFFUSERS TO REMAIN.
- 5. ADJUST AIR FLOWS TO THOSE SCHEDULED.
- 6. REPAIR AND PAINT CEILING AS NECESSARY.

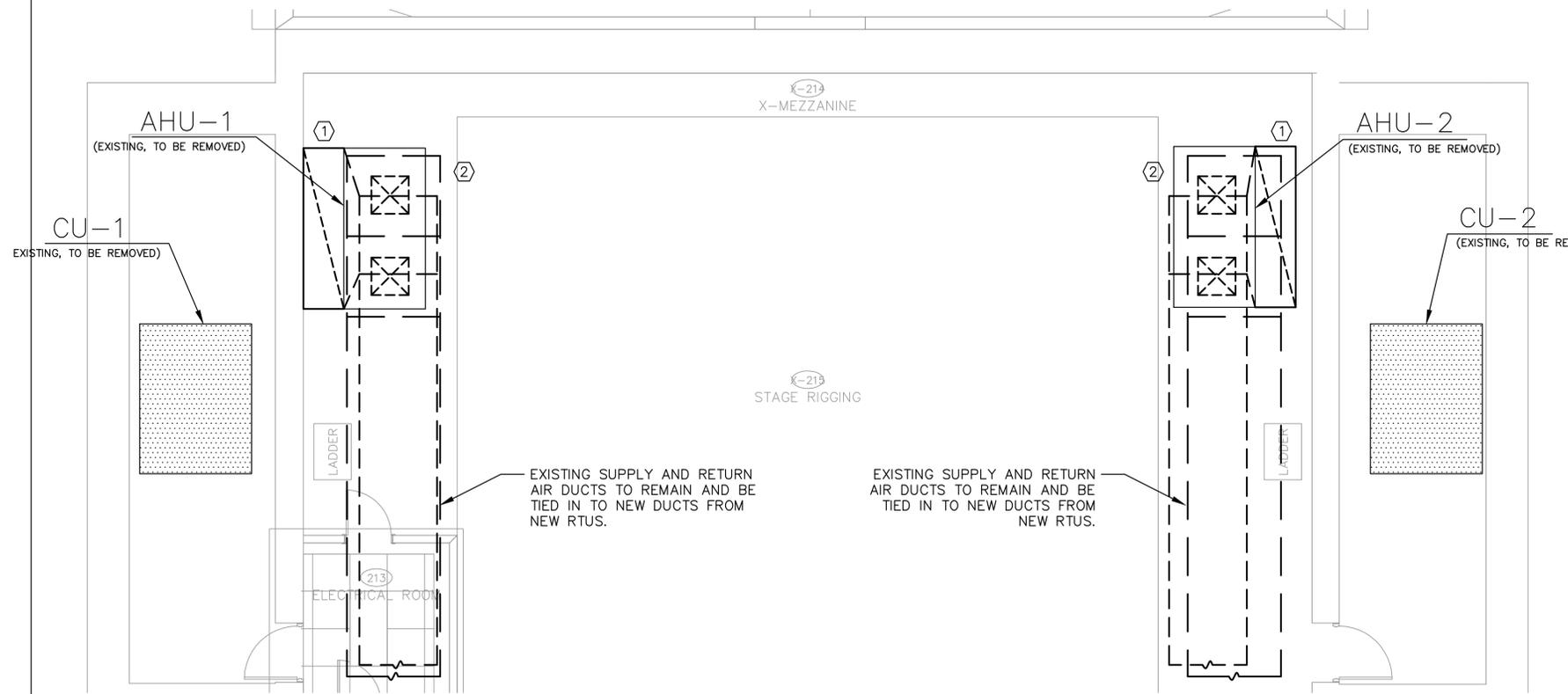
CITY OF ROME, GEORGIA  
**ROME CITY AUDITORIUM  
UPGRADES AND NEW ADDITION**  
601 BROAD STREET  
ROME, GEORGIA 30161

**CONSTRUCTION DOCUMENTS**

PROJECT NUMBER  
**14047**  
ISSUED BY  
CEVIAN® Design Lab, LLC  
ISSUED DATE  
**06/15/15**  
SHEET TITLE  
**HVAC PLAN  
AUDITORIUM**

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

**M1.3**



**KEYED NOTES - THIS SHEET ONLY**

- ① EXISTING RETURN DUCT DROPS VERTICALLY FROM AIR HANDLER TO BELOW MEZZANINE LEVEL, THEN RUNS TOWARD SEATING AREA TO RETURN GRILLES.
- ② EXISTING SUPPLY DUCT EXITS AIR HANDLER VERTICALLY, THEN RUNS PARALLEL TO WALL TOWARD ATTIC SPACE.

**DEMOLITION NOTES - THIS SHEET ONLY**

- 1. REMOVE SUPPLY AIR DUCTWORK FROM AIR HANDLING UNITS TO BOTTOM OF TRUNK DUCT.
- 2. DISASSEMBLE AND REMOVE EXISTING AIR HANDLING UNITS.
- 3. REMOVE RETURN AIR PLENUMS TO DUCT TAKEOFF BELOW FLOOR.
- 4. REMOVE EXISTING REFRIGERANT PIPING.
- 5. CUT AND CAP STEAM AND CONDENSATE PIPING AT FLOOR LEVEL ON NORTH EAST SIDE OF RIGGING LEVEL.
- 6. REMOVE ALL STEAM PIPING, SUPPORTS AND ACCESSORIES ON RIGGING LEVEL.
- 7. REMOVE CONDENSING UNITS ON ROOFS OF DRESSING ROOMS ON EAST AND WEST SIDES OF THE STAGE AREA.

**1 HVAC DEMOLITION PLAN**  
M1.3 SCALE: 1/4" = 1'-0"



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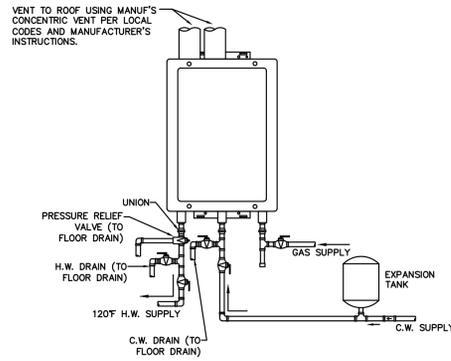
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**CONSTRUCTION DOCUMENTS**

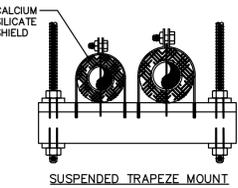
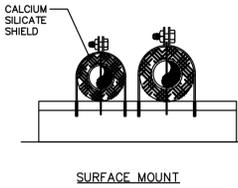
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SHEET TITLE  
**HVAC DEMOLITION PLAN**

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

**M1.4**



**1 TYP INST GAS WH DETAIL**  
P0.1 NO SCALE



- NOTES:**
1. SIZE STRUT TO ADEQUATELY SUPPORT LOAD (REFER TO MANUF. CATALOG)
  2. SIZE CALCIUM SILICATE SHIELD TO FIT PIPE AND INSULATION THICKNESS.
  3. SIZE CLAMP TO FIT CALCIUM SILICATE SHIELDS.
  4. BOLT OR WELD STRUT TO STRUCTURE BELOW.

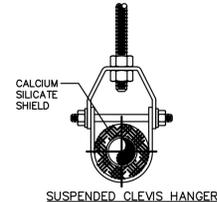
HANGER SPACING CHART			
PIPE SIZE	ROD DIAM.	MAX. SPACING	
1/2" - 1-1/4"	3/8"	7'	
1-1/2"	3/8"	9'	
2"	3/8"	10'	
2-1/2"	1/2"	11'	
3"	1/2"	12'	
3-1/2"	1/2"	13'	
4"	5/8"	14'	
5"	5/8"	16'	
6"	3/4"	17'	
8"	3/4"	19'	
10"	7/8"	22'	
12"	7/8"	23'	
14"	1"	25'	
16"	1"	27'	

**NOTE:** ALL PIPE INSULATION SHALL BE CONTINUOUS THROUGH PIPE CLAMPS, AND SHALL BE PROTECTED BY 3" SHIELD INSIDE CLAMPS.

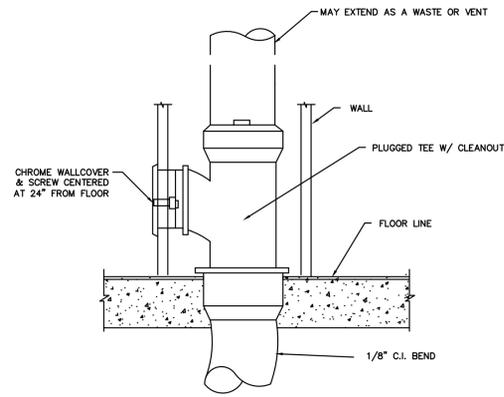
**NOTE:** ALL PIPE INSULATION LOCATED OUTSIDE OF BUILDING SHALL BE PROTECTED BY EMBOSSED METAL JACKETING.

- NOTES:**
1. SIZE STRUT TO ADEQUATELY SUPPORT LOAD (REFER TO MANUF. CATALOG)
  2. SIZE CALCIUM SILICATE SHIELD TO FIT PIPE AND INSULATION THICKNESS.
  3. SIZE CLAMP TO FIT CALCIUM SILICATE SHIELDS.
  4. AFFIX TO STRUCTURE ABOVE PER MANUF. RECOMMENDATIONS.

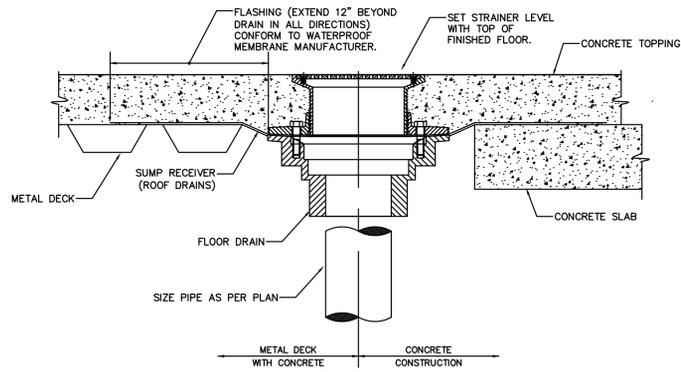
- NOTES:**
1. SIZE HANGER TO ADEQUATELY SUPPORT LOAD (REFER TO MANUF. CATALOG)
  2. SIZE CALCIUM SILICATE SHIELD TO FIT PIPE AND INSULATION THICKNESS.
  3. SIZE HANGER TO FIT CALCIUM SILICATE SHIELDS.
  4. AFFIX TO STRUCTURE ABOVE PER MANUF. RECOMMENDATIONS.



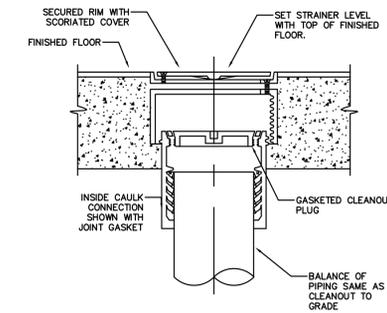
**5 TYP PIPE HANGER DETAIL**  
P0.1 NO SCALE



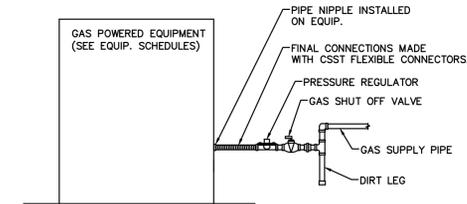
**2 TYP WALL CLEAN-OUT DETAIL**  
P0.1 NO SCALE



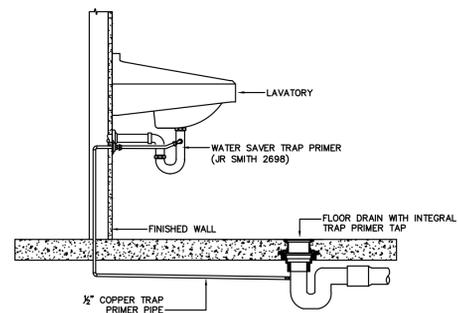
**6 TYP FLOOR DRAIN DETAIL**  
P0.1 NO SCALE



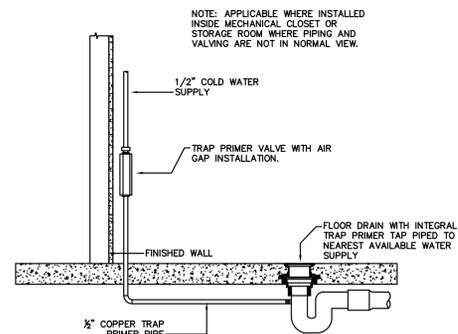
**3 TYP FLOOR CLEAN-OUT DETAIL**  
P0.1 NO SCALE



**4 TYP GAS EQUIP CONN DETAIL**  
P0.1 NO SCALE



**7 TYP WATER-SAVER TRAP PRIMER DETAIL**  
P0.1 NO SCALE



**8 TYP WATER VALVE TRAP PRIMER DETAIL**  
P0.1 NO SCALE

TAG	FIXTURE	PIPING SYSTEM CONNECTION SIZES						NOTES
		S.S.	V.	C.W.	H.W.	GAS		
GWH	GAS WATER HEATERS			3/4"	3/4"	3/4"		MAKE FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS & PLUMBING DETAILS.
RTU 1&2	HVAC EQUIP (BY OTHERS)						1"	MAKE FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS & PLUMBING DETAILS.
HWC	HANDICAPPED ACCESSIBLE WATER CLOSET	3"		1/2"				MAKE FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
WC	STANDARD WATER CLOSET	3"		1/2"				MAKE FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
UR	URINAL	2"		3/4"				MAKE FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
CTLAV	COUNTER-TOP LAVATORY	2"	2"	1/2"	1/2"			MAKE FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
HSH	ADA SHOWER	3"	2"	1/2"	1/2"			MAKE FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
CO	FLOOR CLEANOUT	3"						MAKE FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
WCO	FLOOR CLEANOUT	2-1/2"						MAKE FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
FCO	FLOOR CLEANOUT	3"						MAKE FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
FD	FLOOR DRAIN	3"						MAKE FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.

PLUMBING LEGEND		
SYMBOL	DESCRIPTION	ABBREVIATION
—	ABOVE FINISHED CEILING	AFC
—	ABOVE FINISHED FLOOR	AFF
—	BELOW COUNTER	BC
—	BELOW FINISHED FLOOR	BFF
—	BELOW GRADE	BG
—	HOT WATER PIPING	HW
—	COLD WATER PIPING	CW
—	SANITARY PIPING	SS
—	VENT PIPE	V
⊕	FLOOR CLEANOUT	FCO
⊖	FLOOR DRAIN	FD
∞	P-TRAP	
—	VENT THROUGH WALL	VTW
—	WALL CLEANOUT	WCO
—	CLEANOUT TO GRADE	CTOG
—	BALL VALVE	—
—	UNION	—
—	PRESSURE REDUCING VALVE	—
—	BLIND FLANGE/CAP	—
—	PIPING CONNECTION ON TOP	—
—	PIPING CONNECTION ON BOTTOM	—
—	ELBOW TURNED DOWN	—
—	ELBOW TURNED UP	—
—	THERMOMETER	—
⊗	POINT OF CONNECTION	POC



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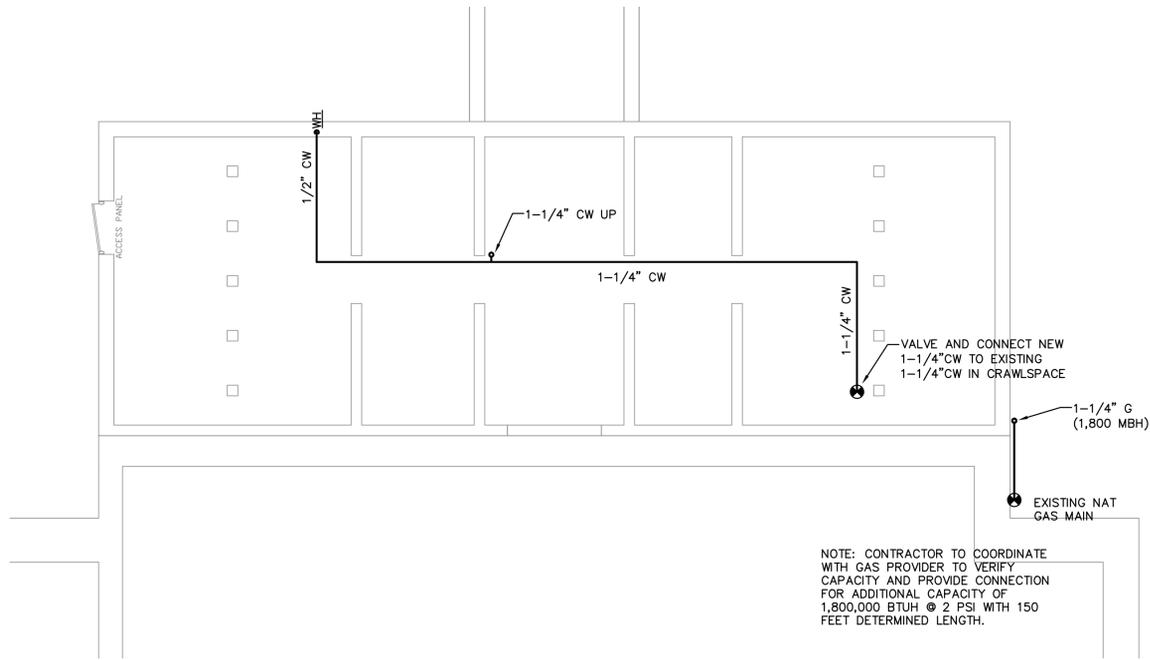


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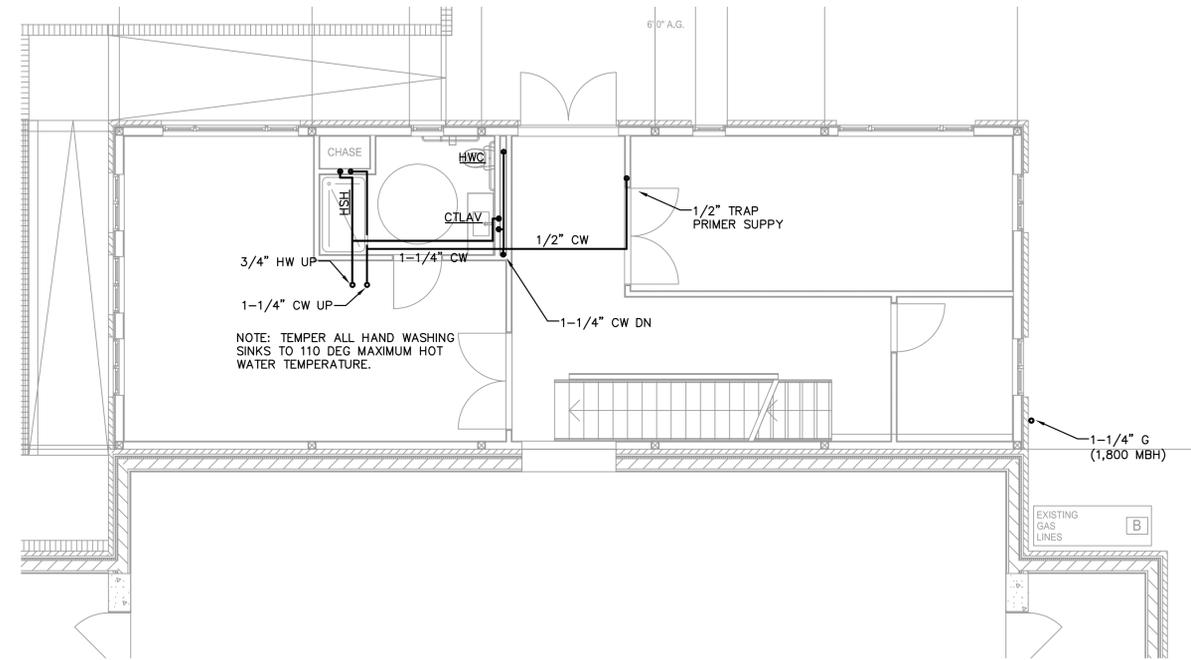
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**PLUMBING DETAILS, LEGEND AND SCHEDULES**

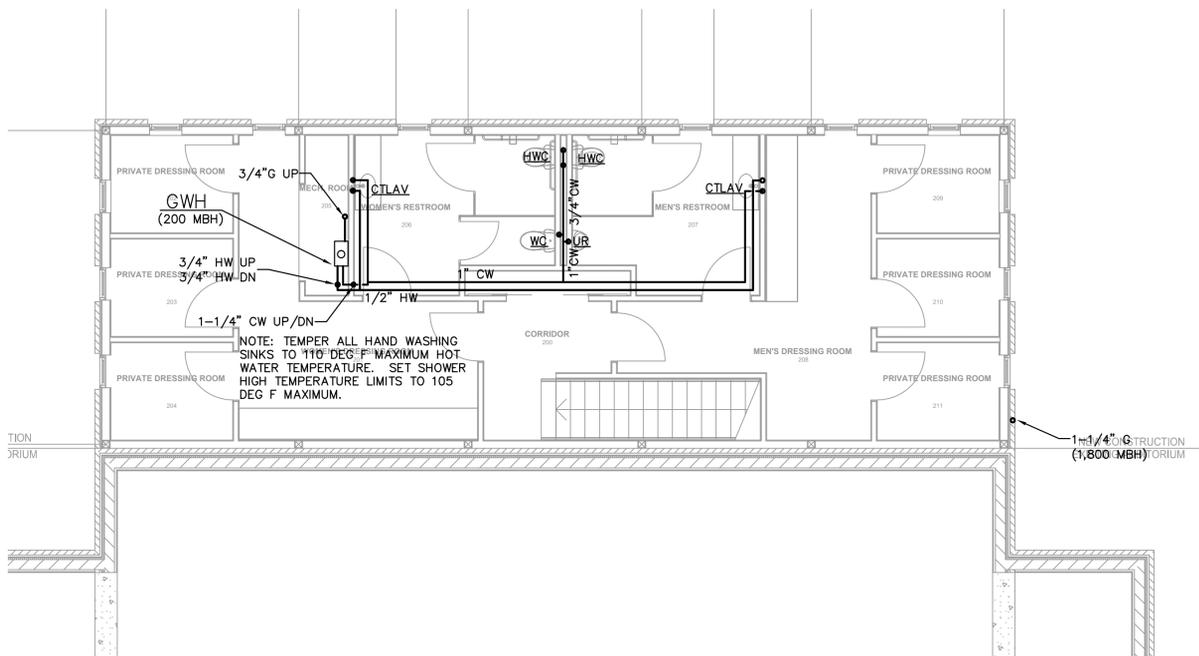
DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET  
**P0.1**



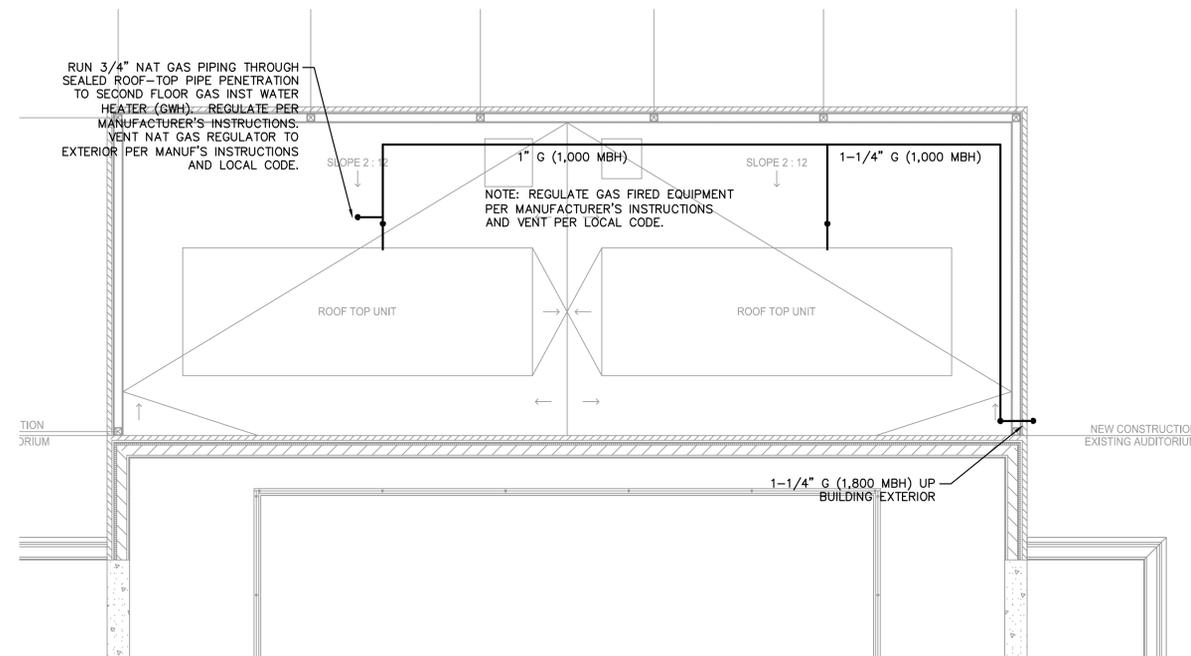
**1 WATER & GAS PLAN - CRAWSPACE**  
P1.1 NO SCALE



**2 WATER & GAS PLAN - FIRST FLOOR**  
P1.1 NO SCALE



**3 WATER & GAS PLAN - SECOND FLOOR**  
P1.1 NO SCALE



**4 WATER & GAS PLAN - ROOF LEVEL**  
P1.1 NO SCALE



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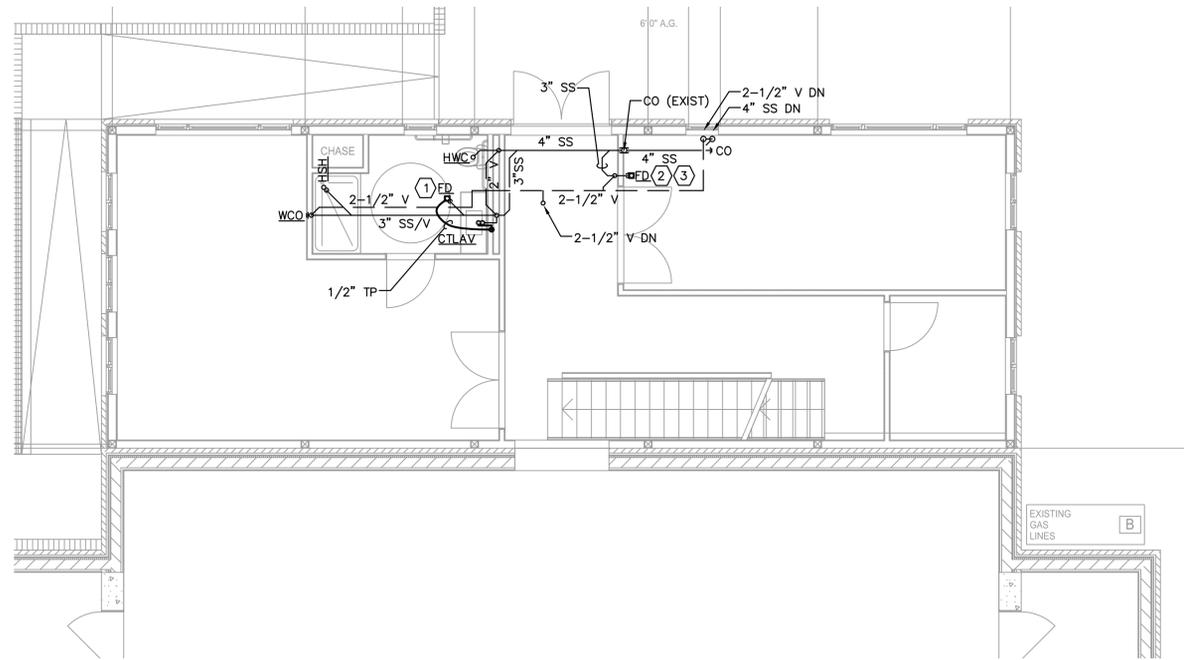
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SHEET TITLE  
**WATER & GAS PLANS**

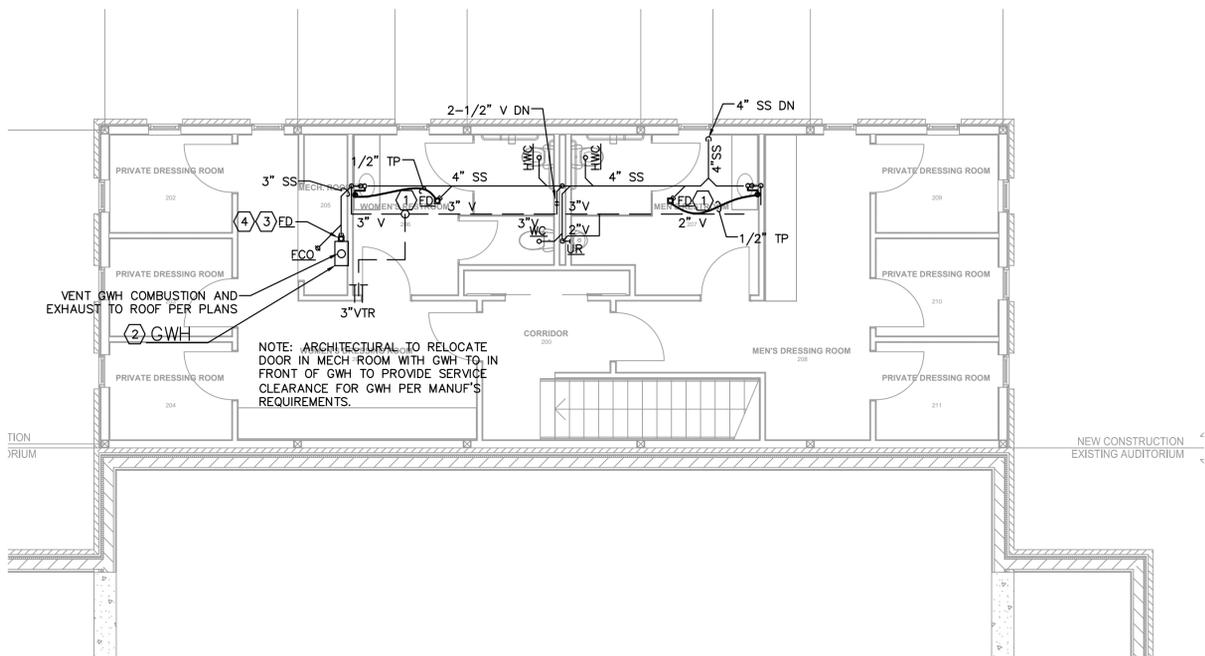
DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET  
**P1.1**



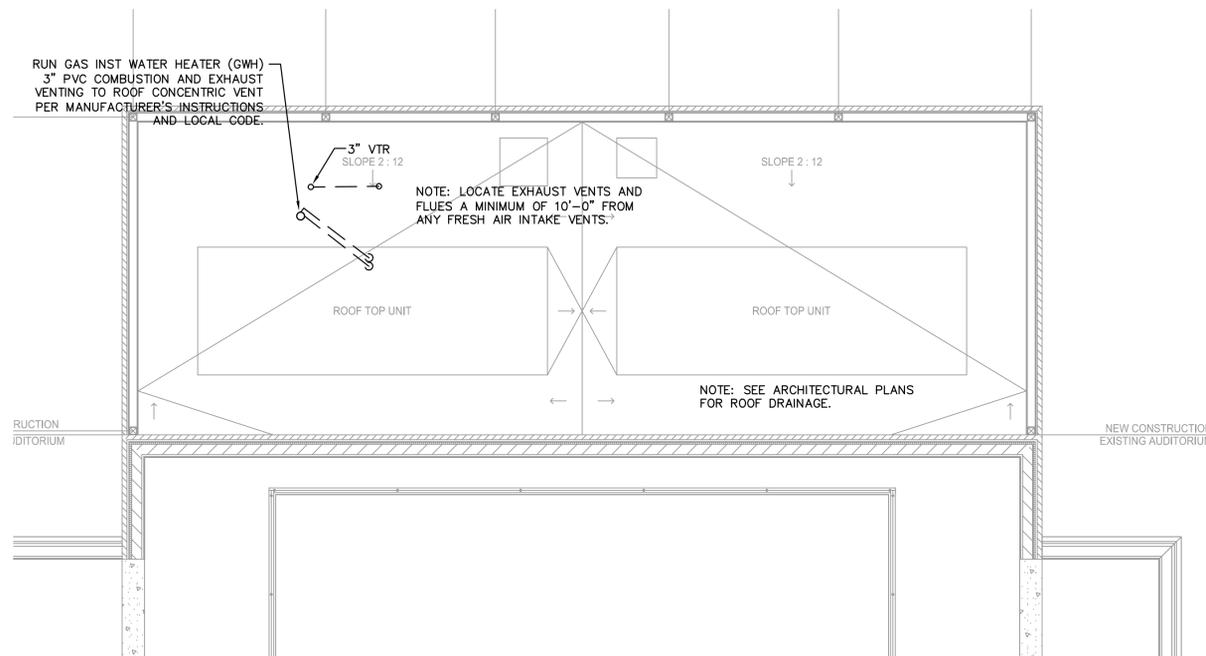
**1 SANITARY PLAN - CRAWSPACE**  
NO SCALE



**2 SANITARY PLAN - FIRST FLOOR**  
NO SCALE



**3 SANITARY PLAN - SECOND FLOOR**  
NO SCALE



**4 SANITARY PLAN - ROOF LEVEL**  
NO SCALE



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**SANITARY PLANS**

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET  
**P1.2**



GENERAL NOTES:

- ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, AMERICANS WITH DISABILITIES ACT AND ALL OTHER CODES ENFORCED BY THE AUTHORITIES HAVING JURISDICTION.
- CONTRACTOR SHALL PROVIDE AND PAY FOR ALL MATERIAL, EQUIPMENT, LABOR, SUPERVISION, SERVICES, PERMITS AND INSPECTIONS REQUIRED TO PROVIDE A COMPLETE, SAFE AND FUNCTIONING ELECTRICAL SYSTEM.
- CONTRACTOR SHALL PROVIDE ADDITIONAL SUPPORT FOR SWITCHES, STARTERS, FIXTURES, RACEWAYS AND OTHER ELECTRICAL EQUIPMENT WHEREVER THE BUILDING STRUCTURE IS NOT SUITABLE FOR DIRECT MOUNTING.
- ALL EQUIPMENT AND MATERIAL SHALL BE LISTED BY A NATIONALLY RECOGNIZED LISTING AGENCY FOR THE INSTALLED USE.
- THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND IT IS THE INTENT AND MEANING OF THE CONTRACT DOCUMENTS THAT THE CONTRACTOR SHALL PROVIDE AN ELECTRICAL INSTALLATION THAT IS COMPLETE WITH ALL ITEMS NECESSARY, INCIDENTAL AND CUSTOMARILY INCLUDED, EVEN THOUGH EACH AND EVERY ITEM IS NOT SPECIFICALLY CALLED OUT OR SHOWN.
- ALL WORK SHALL BE COORDINATED SO THAT INTERFERENCES ARE AVOIDED. PROVIDE ALL NECESSARY OFFSETS IN CONDUITS, RACEWAYS, ETC. REQUIRED TO PROPERLY INSTALL THE WORK. EXPOSED WORK MUST BE KEPT AS CLOSE AS POSSIBLE TO WALLS, CEILINGS, COLUMNS, ETC. SO AS TO TAKE MINIMUM AMOUNT OF SPACE. ALL OFFSETS, FITTINGS, ETC. REQUIRED SHALL BE PROVIDED WITHOUT ADDITIONAL EXPENSE TO THE OWNER. WORK SHALL BE COORDINATED WITH OTHER TRADES.
- CONDUIT RUNS ARE DIAGRAMMATIC IN NATURE. CONTRACTOR IS RESPONSIBLE FOR SIZING AND LOCATING PULL BOXES ACCORDING TO THE N.E.C. AND COORDINATING WITH OTHER DISCIPLINES.
- CONTRACTOR SHALL INSTALL ONE 3/4" CONDUIT FOR EACH SET OF THREE SPARE BREAKERS AND/OR BREAKER SPACES OR FRACTION THEREOF FROM EACH FLUSH MOUNTED PANELBOARD. THE SPARE CONDUITS SHALL BE STUBBED UP INTO THE NEAREST ACCESSIBLE CEILING CAVITY.
- PENETRATIONS OF WALLS, FLOORS AND ROOFS FOR THE PASSAGE OF ELECTRICAL RACEWAYS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. ALL SUCH PENETRATIONS SHALL BE PROPERLY SEALED AFTER INSTALLATION OF RACEWAY SO AS TO MAINTAIN THE STRUCTURAL, WATER PROOF AND FIRE PROOF INTEGRITY OF THE WALL, FLOOR OR ROOF SYSTEM.
- ALL OUTDOOR ENCLOSURES SHALL HAVE A NEMA 3R RATING.
- ALL WIRING, INCLUDING PANEL BUSES, SHALL BE COPPER.
- ALL OUTLET BOXES SHALL BE METALLIC AND SHALL BE GROUNDED ACCORDING TO N.E.C. ARTICLE 250.
- ALL INCOMING CONDUCTORS INTO PANELBOARDS AND TRANSFORMERS SHALL BE IDENTIFIED BY COLOR TAPING AS FOLLOWS: 480 VOLTS- PHASE "A" BROWN; PHASE "B" ORANGE; PHASE "C" YELLOW; NEUTRAL GRAY; 208 VOLTS - PHASE "A" BLACK; PHASE "B" RED; PHASE "C" BLUE; NEUTRAL WHITE. BRANCH CIRCUIT CONDUCTORS SHALL HAVE SIMILAR COLORED CONDUCTORS.
- ALL POWER CIRCUITS SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR ROUTED IN THE CONDUIT AND SIZED ACCORDING TO THE N.E.C. METAL RACEWAY, CABLE ARMOR OR SHEATH SHALL NOT BE USED AS AN EQUIPMENT GROUNDING CONDUCTOR.
- PROVIDE A SEPARATE CONDUIT AND JUNCTION BOX SYSTEM FOR 120V AND 277V WIRING.
- FOR UNDERGROUND INSTALLATIONS USE RIGID METAL CONDUIT, INTERMEDIATE METAL CONDUIT OR THICKWALL NON-METALLIC CONDUIT.
- FOR OUTDOOR ABOVE GROUND INSTALLATIONS USE RIGID METAL CONDUIT OR INTERMEDIATE METAL CONDUIT.
- FOR IN SLAB ABOVE GRADE INSTALLATION USE RIGID METAL CONDUIT OR INTERMEDIATE METAL CONDUIT.
- FOR WET OR DAMP INSTALLATIONS USE RIGID METAL CONDUIT OR INTERMEDIATE METAL CONDUIT.
- FOR DRY CONCEALED INSTALLATIONS USE RIGID METAL CONDUIT, INTERMEDIATE METAL CONDUIT OR ELECTRICAL METALLIC CONDUIT.
- FOR DRY EXPOSED INSTALLATIONS USE RIGID METAL CONDUIT OR INTERMEDIATE METAL CONDUIT.
- FLEXIBLE METAL CONDUIT AND LIQUID TIGHT METAL CONDUIT MAY BE USED FOR TAP CONNECTIONS TO FIXTURES ACCORDING TO N.E.C. ARTICLE 350 AND AS SPECIFIED.
- ALL EQUIPMENT SHALL BE GROUNDED ACCORDING TO N.E.C.
- ALL LIGHTING AND RECEPTACLE CIRCUITS SHALL HAVE INDEPENDENT NEUTRALS.
- UNLESS OTHERWISE NOTED LIGHTING AND RECEPTACLE HOMERUNS SHALL BE LIMITED TO SEVEN CONDUCTORS, THREE PHASE WIRES, THREE NEUTRALS AND ONE GROUND.
- ALL BRANCH CIRCUIT BREAKER POSITIONS IN SWITCHBOARDS AND PANELBOARDS SHALL BE LABELED PER N.E.C. ARTICLE 408-4.
- CONTRACTOR SHALL PROVIDE ALL CONNECTIONS INCLUDING WIRE, CONDUIT AND SWITCHES NECESSARY TO CONNECT MECHANICAL AND PLUMBING EQUIPMENT.
- ALL SWITCHES AND BREAKERS SERVING EQUIPMENT SHALL HAVE HANDLE LOCKS.
- ALL CIRCUIT BREAKERS SERVING MECHANICAL EQUIPMENT SHALL BE H.A.C.R. RATING.
- CONTRACTOR SHALL COORDINATE WITH TRADES AND PROVIDE CONTROL POWER FOR ALL VAV BOXES/DAMPERS/ETC AS REQUIRED TO ENSURE A COMPLETE AND FULLY FUNCTIONAL HVAC SYSTE. PROVIDE POWER FROM NEAREST 120V GENERAL PURPOSE CIRCUIT OR FROM BUILDING CONTROL POWER DISTRIBUTION SYSTEM.
- CONTRACTOR SHALL COORDINATE MOTOR DISCONNECT AND CONTROL WITH MECHANICAL CONTRACTOR. PROVIDE STARTERS AND DISCONNECT SWITCHES FOR ALL MECHANICAL EQUIPMENT THAT IS NOT PROVIDED INTEGRAL TO THE EQUIPMENT. PROVIDE MOTOR STARTERS FOR ALL MOTORS ONE HORSEPOWER OF LARGER. PROVIDE MOTOR RATED SWITCHES FRO ALL MOTORS LESS THAN ONE HORSEPOWER. PROVIDE ALL NECESSARY WIRE, CONDUIT AND POWER FOR INTERLOCKED MOTOR CONTROLS.
- PROVIDE 20A, 120V RECEPTACLE WITHIN 25' OF ALL HVAC EQUIPMENT.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR LOCATION OF ALL ELEMENTS (CEILING HEIGHTS, SPRINKLERS, DIFFUSERS, ETC). ALL CEILING MOUNTED ITEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL DIMENSIONED DRAWINGS. IF LOCATION FOR AN ITEM IS NOT SHOWN ON THE ARCHITECTURAL DRAWINGS, VERIFY THE EXACT LOCATION OF THE ITEM WITH THE ARCHITECT PRIOR TO INSTALLATION. THESE REQUIREMENTS APPLY TO ALL CEILING TYPES IN ALL AREAS. DO NOT SCALE DIMENSION LOCATION FROM THESE DRAWINGS.
- CONTRACTOR SHALL PROVIDE AND INSTALL ALL SUPPORTS FOR LIGHT FIXTURES. SUPPORTS SHALL BE INDEPENDENT OF THE CEILING GRID SUPPORT SYSTEM.
- ALL LIGHT FIXTURES SHALL BE INSTALLED WITH APPROPRIATE LAMPS AS INDICATED. FIXTURES SHALL BE ALSO INSTALLED WITH BALLAST AS NECESSARY.
- EMERGENCY LIGHTING SHALL BE PROVIDED WITH A LOCK-ON CLIP IN THE LIGHTING PANEL.
- EMERGENCY LIGHTS AND EXIT SIGNS SHALL HAVE A BACKUP ENERGY SOURCE.
- ALL SWITCHES SHALL BE 20AMP SPECIFICATION GRADE.
- MOUNT WALL MOUNTED EMERGENCY LIGHTS AND EXIT SIGNS ONE FOOT BELOW CEILING OR BELOW LOWEST STRUCTURAL MEMBER FOR UNFINISHED AREAS. VERIFY PROPER VISIBILITY FROM ALL DIRECTIONS.
- PROVIDE ZERO DEGREE BALLAST FOR FIXTURES IN EXTERIOR AND UNHEATED LOCATIONS.
- WIRE ALL EMERGENCY LIGHT FIXTURES AHEAD OF SWITCHES AND LIGHTING CONTACTORS.
- VERIFY DOOR SWINGS WITH ARCHITECTURAL PLANS PRIOR TO ROUGH IN FOR ALL LIGHT SWITCHES.
- PROVIDE SHATTER RESISTANT LAMPS FOR ALL FIXTURES OVER FOOD PREPARATION/SERVING AREAS.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR LOCATION AND MOUNTING HEIGHT FOR ALL WALL AND FLOOR MOUNTED ELEMENTS (OUTLETS, LIGHT SWITCHES, CONTROLLERS, ETC) ALL WALL/FLOOR MOUNTED ITEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL DIMENSIONED DRAWINGS. IF LOCATION FOR AN ITEM IS NOT SHOWN ON THE ARCHITECTURAL DRAWINGS, VERIFY THE EXACT LOCATION OF THE ITEM WITH THE ARCHITECT PRIOR TO INSTALLATION. THESE REQUIREMENTS APPLY TO ALL WALL/FLOOR TYPES IN AL AREAS. DO NOT SCALE OR DIMENSION LOCATION FROM THESE DRAWINGS.
- CONTRACTOR SHALL COORDINATE THE LOCATION AND INSTALLATION DETAIL OF OUTLETS IN MILLWORK WITH ARCHITECTURAL DRAWINGS (WALL ELEVATIONS, MILLWORK DETAIL, ETC.) AND WITH MILLWORK MANUFACTURER PRIOR TO ELECTRICAL ROUGH IN.
- WALL AND FLOOR MOUNTED POWER RECEPTACLES SHOWN NEAR DATA OUTLETS SHALL BE LOCATED WITHIN SIX INCHES OF DATA OUTLET. LOCATE AT SAME MOUNTING HEIGHT UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL VERIFY THE EXACT POWER CONNECTION TYPE AND NEMA CONFIGURATION OF THE RECEPTACLE FOR EQUIPMENT FURNISHED BY THE OWNER, OTHER TRADES OR UNDER A SEPARATE SECTION OF THIS CONTRACT PRIOR TO ELECTRICAL ROUGH IN.
- ALL RECEPTACLES LOCATED OUTSIDE THE BUILDING ENVELOPE SHALL BE HOUSED IN ENCLOSURES THAT ARE RATED "WEATHER-PROOF-WHILE-IN-USE" AND SHALL BE GFCI.
- FINISH COLORS OF DEVICES AND CORRESPONDING COVER PLATES SHALL BE SELECTED AND APPROVED BY THE ARCHITECT.
- ELECTRICAL OUTLET BOXES LOCATED ON THE OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE OFFSET BY 24 ".



COMcheck Software Version 3.9.4  
Interior Lighting Compliance Certificate

2009 IECC

Section 1: Project Information

Project Type: **New Construction**  
 Project Title: CITY OF ROME AUDITORIUM RENOVATION

Construction Site: 601 BROAD ST, ROME, GA 30161  
 Owner/Agent:  
 Designer/Contractor: WESLEY TURNER, WESLEY F. TURNER, PE, 176 CALJULIO ROAD SE, ROME, GA 30161, 770-547-3851, WFTURNER@BELLSOUTH.NET

Section 2: Interior Lighting and Power Calculation

A Area Category	B Floor Area (ft <sup>2</sup> )	C Allowed Watts / ft <sup>2</sup>	D Allowed Watts (B x C)
Performing Arts Theater	2382	1.5	3511
Total Allowed Watts =			3511

Section 3: Interior Lighting Fixture Schedule

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Performing Arts Theater (2382 sq.ft.)				
HID: Click here to select lamp: --	0	0	0	0
LED 1: A: Other:	1	48	14.2	681.5
Incandescent 1: B1: Incandescent 60W:	6	1	360	360
Incandescent 2: B2: Incandescent 60W:	8	2	480	960
Linear Fluorescent 1: C: 48" T8 32W: Electronic:	1	10	32	320
Linear Fluorescent 2: E: 48" T8 32W: Electronic:	3	4	96	384
Linear Fluorescent 3: Other: Electronic:	3	8	165	990
Total Proposed Watts =				3699

Section 4: Requirements Checklist

Interior Lighting: TED: [Insert number of fixtures.](#)

- Lighting Wattage:**
- Total proposed watts must be less than or equal to total allowed watts.
- | Allowed Watts | Proposed Watts | Complies |
|---------------|----------------|----------|
| 3511          | 3699           | --       |
- Controls, Switching, and Wiring:**
- Daylight zones under skylights more than 15 feet from the perimeter have lighting controls separate from daylight zones adjacent to vertical fenestration.
  - Daylight zones have individual lighting controls independent from that of the general area lighting.

Project Title: CITY OF ROME AUDITORIUM RENOVATION  
 Data filename: Untitled.ock  
 Report date: 06/13/15  
 Page 1 of 4



COMcheck Software Version 3.9.4  
Exterior Lighting Compliance Certificate

2009 IECC

Section 1: Project Information

Project Type: **New Construction**  
 Project Title: CITY OF ROME AUDITORIUM RENOVATION  
 Exterior Lighting Zone: **2 (Neighborhood business district)**

Construction Site: 601 BROAD ST, ROME, GA 30161  
 Owner/Agent:  
 Designer/Contractor: WESLEY TURNER, WESLEY F. TURNER, PE, 176 CALJULIO ROAD SE, ROME, GA 30161, 770-547-3851, WFTURNER@BELLSOUTH.NET

Section 2: Exterior Lighting Area/Surface Power Calculation

A Exterior Area/Surface	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B x C)	F Proposed Watts
Entry canopy	239 ft <sup>2</sup>	0.25	Yes	60	180
Walkway < 10 feet wide	127 ft of walkway length	0.7	Yes	89	84
Total Tradable Watts* =				149	264
Total Allowed Watts =				149	
Total Allowed Supplemental Watts** =				600	

\* Wattage tradable is only allowed between tradable areas/surfaces.  
 \*\* A supplemental allowance equal to 800 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Section 3: Exterior Lighting Fixture Schedule

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Entry canopy (239 ft <sup>2</sup> ): Tradable Wattage				
Incandescent 1: D: Incandescent 60W:	3	1	180	180
Walkway < 10 feet wide (127 ft of walkway length): Tradable Wattage				
LED 1: Other:	1	14	6	84
Total Tradable Proposed Watts =				264

Section 4: Requirements Checklist

- Lighting Wattage:**
- Within each non-tradable area/surface, total proposed watts must be less than or equal to total allowed watts. Across all tradable areas/surfaces, total proposed watts must be less than or equal to total allowed watts.
- Compliance:** Passes using supplemental allowance watts.
- Controls, Switching, and Wiring:**
- All exemption claims are associated with fixtures that have a control device independent of the control of the nonexempt lighting.
  - Lighting not designated for dusk-to-dawn operation is controlled by either a photosensor (with time switch), or an astronomical time switch.

Project Title: CITY OF ROME AUDITORIUM RENOVATION  
 Data filename: Untitled.ock  
 Report date: 06/13/15  
 Page 3 of 4

- Exceptions:**
- Contiguous daylight zones spanning no more than two orientations are allowed to be controlled by a single controlling device.
  - Daylight spaces enclosed by walls or ceiling height partitions and containing two or fewer light fixtures are not required to have a separate switch for general area lighting.
- 4. Independent controls for each space (switch/occupancy sensor).
- Exceptions:**
- Areas designated as security or emergency areas that must be continuously illuminated.
  - Lighting in stairways or corridors that are elements of the means of egress.
- 5. Master switch at entry to hotel/motel guest room.
  - 6. Individual dwelling units separately metered.
  - 7. Medical task lighting or arthistory display lighting claimed to be exempt from compliance has a control device independent of the control of the nonexempt lighting.
- 8. Each space required to have a manual control also allows for reducing the connected lighting load by at least 50 percent by either controlling all luminaires, dual switching of alternate rows of luminaires, alternate luminaires, or alternate lamps, switching the middle lamp luminaires independently of other lamps, or switching each luminaire or each lamp.

- Exceptions:**
- Only one luminaire in space.
  - An occupant-sensing device controls the area.
  - The area is a corridor, storeroom, restroom, public lobby or sleeping unit.
  - Areas that use less than 0.8 Watts/sq.ft.
- 9. Automatic lighting shutoff control in buildings larger than 5,000 sq.ft.

- Exceptions:**
- Sleeping units, patient care areas; and spaces where automatic shutoff would endanger safety or security.
- 10. Photocell/astronomical time switch on exterior lights.

- Exceptions:**
- Lighting intended for 24 hour use.
- 11. Tandem wired one-lamp and three-lamp ballasted luminaires (No single-lamp ballasts).

- Exceptions:**
- Electronic high-frequency ballasts; Luminaires on emergency circuits or with no available pair.

Project Title: CITY OF ROME AUDITORIUM RENOVATION  
 Data filename: Untitled.ock  
 Report date: 06/13/15  
 Page 2 of 4

- Lighting designated for dusk-to-dawn operation is controlled by an astronomical time switch or photosensor.
- All time switches are capable of retaining programming and the time setting during loss of power for a period of at least 10 hours.

- Exterior Lighting Efficacy:**
- All exterior building grounds luminaires that operate at greater than 100W have minimum efficacy of 80 lumens/watt.

- Exceptions:**
- Lighting that has been claimed as exempt and is identified as such in Section 3 table above.
  - Lighting that is specifically designated as required by a health or life safety statute, ordinance, or regulation.
  - Emergency lighting that is automatically off during normal building operation.
  - Lighting that is controlled by motion sensor.

Section 5: Compliance Statement

**Compliance Statement:** The proposed exterior lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2009 IECC requirements in COMcheck Software 3.9.4 and to comply with the mandatory requirements in the Requirements Checklist.

Name - Title \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

Project Title: CITY OF ROME AUDITORIUM RENOVATION  
 Data filename: Untitled.ock  
 Report date: 06/13/15  
 Page 4 of 4



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NOT FOR CONSTRUCTION

CITY OF ROME, GEORGIA

ROME CITY AUDITORIUM  
 UPGRADES AND NEW ADDITION

601 BROAD STREET  
 ROME, GEORGIA 30161

CONSTRUCTION DOCUMENTS

PROJECT NUMBER  
 14047

ISSUED BY  
 CEVIAN® DESIGN LAB, LLC

ISSUED DATE  
 (date of submission here)

SHEET TITLE  
 NOTES & CERTIFICATES

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

E0.0



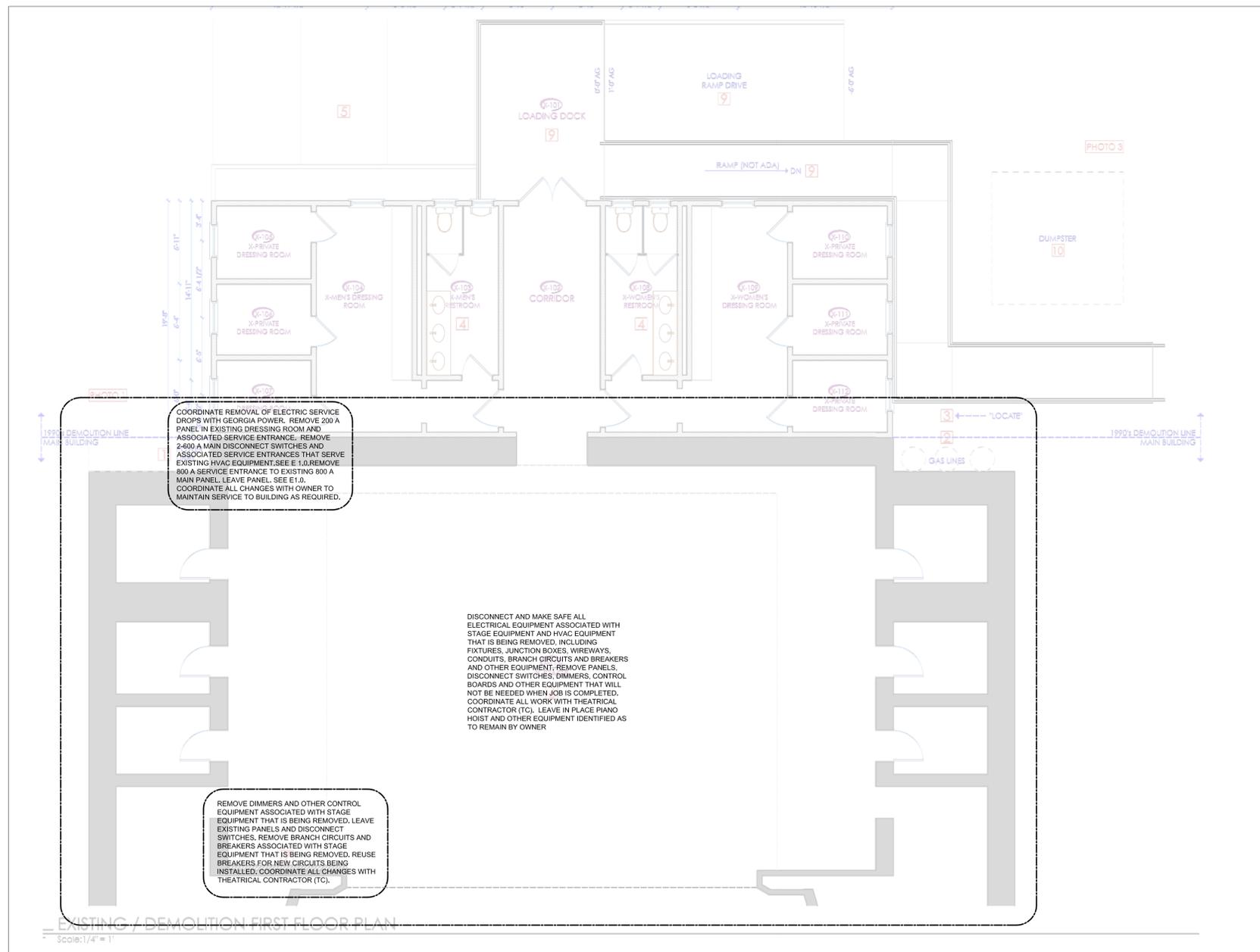
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**ROME CITY AUDITORIUM  
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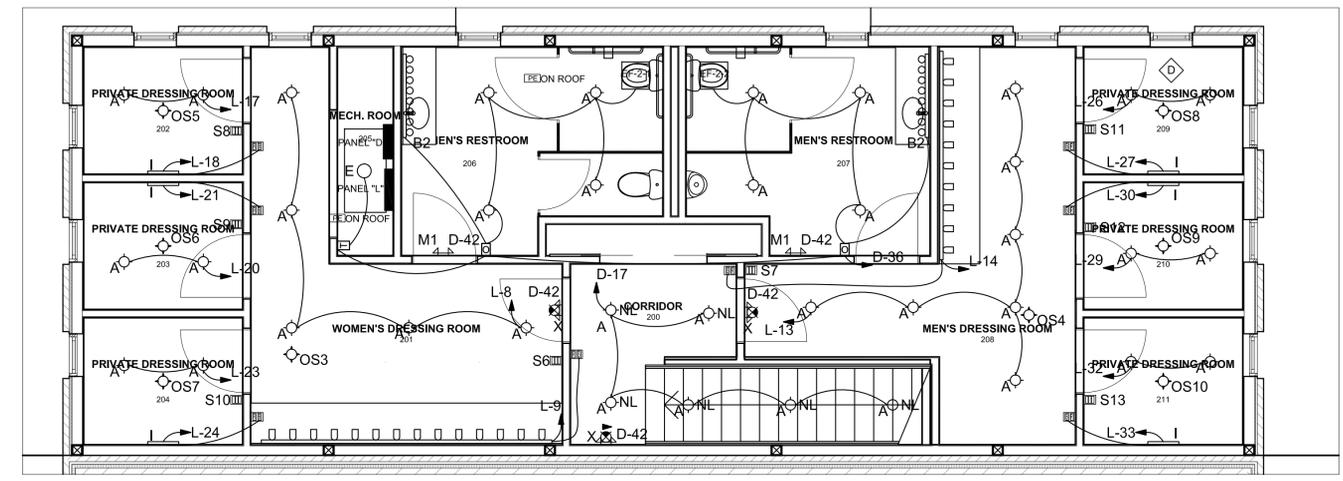
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**CEVIAN® DESIGN LAB, LLC**  
 ISSUED DATE  
 (date of submission here)  
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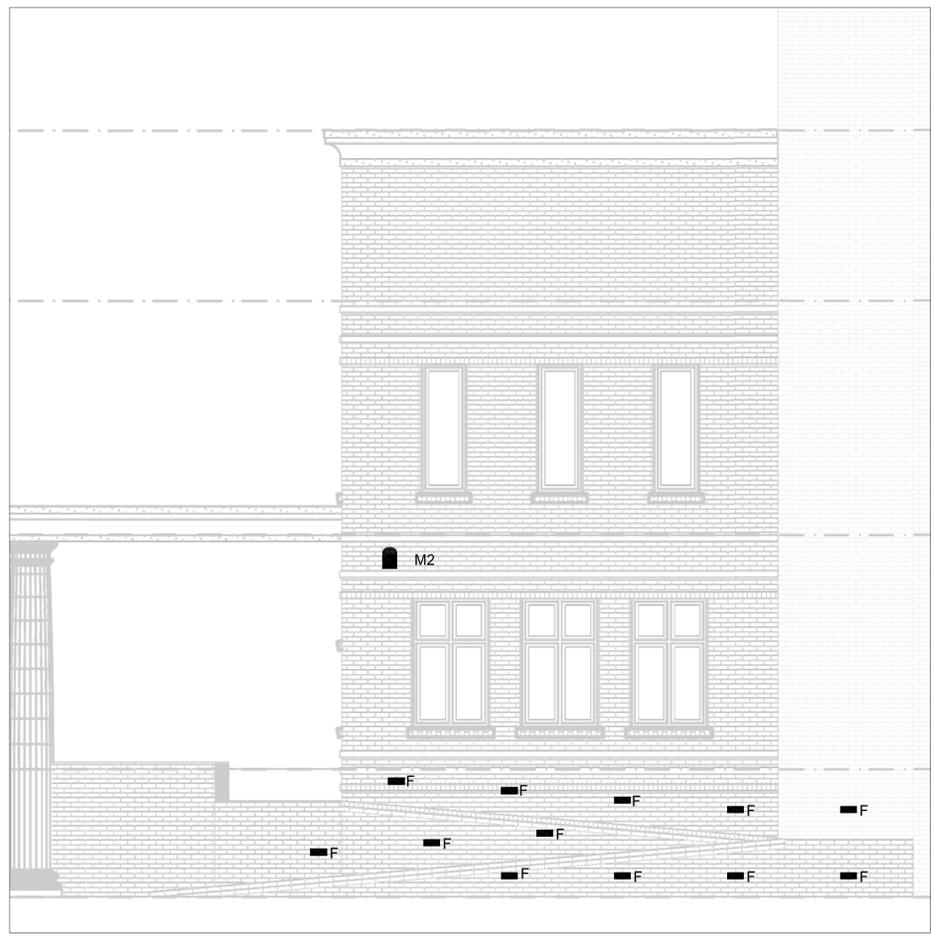
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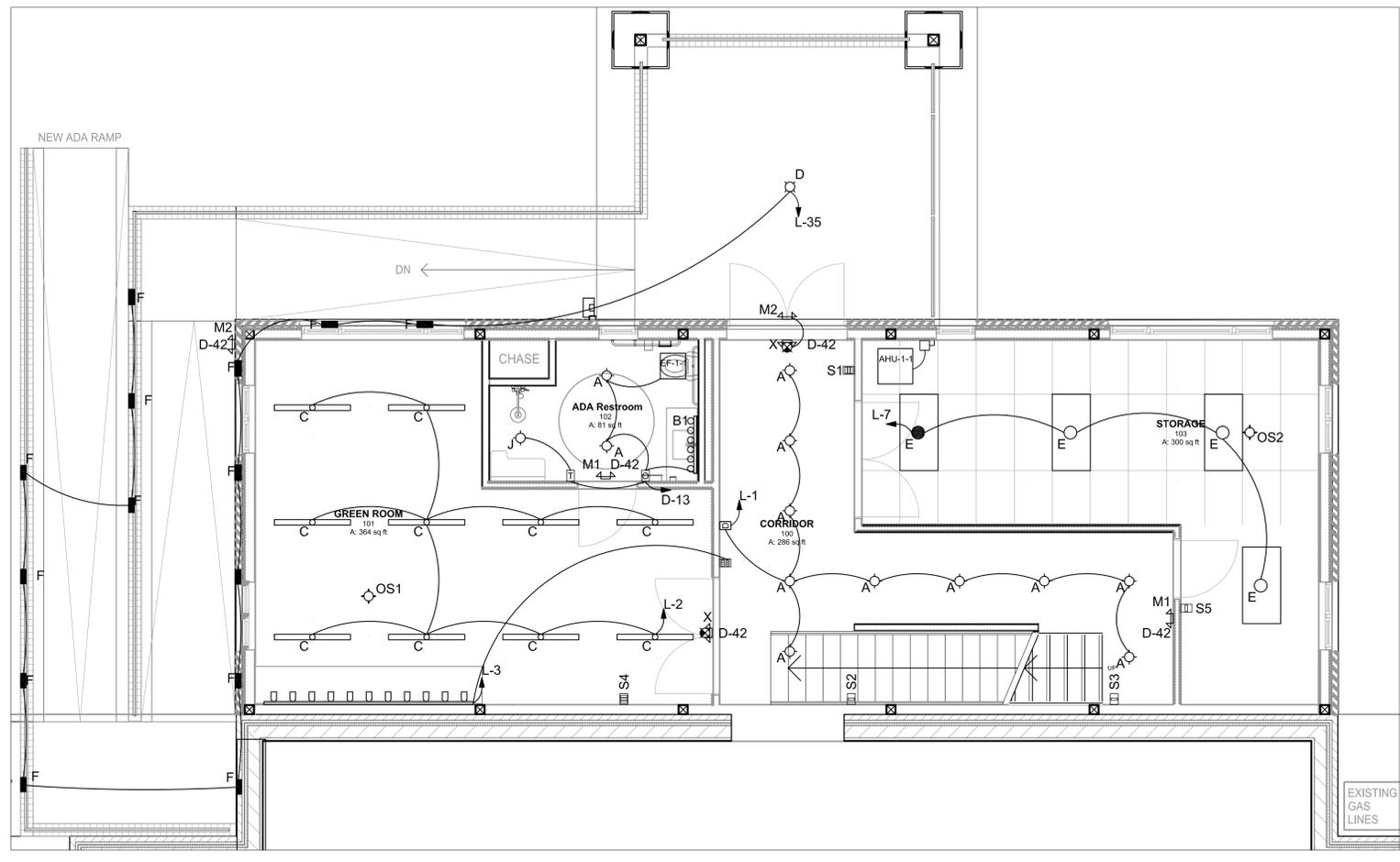
- OS1 CEILING MOUNTED OCCUPANCY SENSOR EQUAL TO WATTSTOPPER LMDC-100
- S4 LOW VOLTAGE BUTTON WALL SWITCH EQUAL TO WATTSTOPPER LMSW-100
- 120V INDICATOR LIGHT EQUAL TO ALLEN BRADLEY 855-G10Y6Y4 7/AFF & 1' FROM DOOR
- WALL TIMER
- 120V DIMMER
- DUAL TECHNOLOGY OCCUPANCY SENSOR WALL SWITCH



2 SECOND FLOOR LIGHTING PLAN  
 Scale: 1/4" = 1'



3 STEP LIGHT AND EGRESS LIGHT PLACEMENT  
 Scale: 1/4" = 1'



1 FIRST FLOOR LIGHTING PLAN  
 Scale: 1/4" = 1'

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CONSTRUCTION DOCUMENTS

PROJECT NUMBER  
 14047  
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 ISSUED DATE  
 (date of submission here)  
 SHEET TITLE  
 DRESSING ROOM LIGHTING  
 PLAN

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET  
**E2.1**





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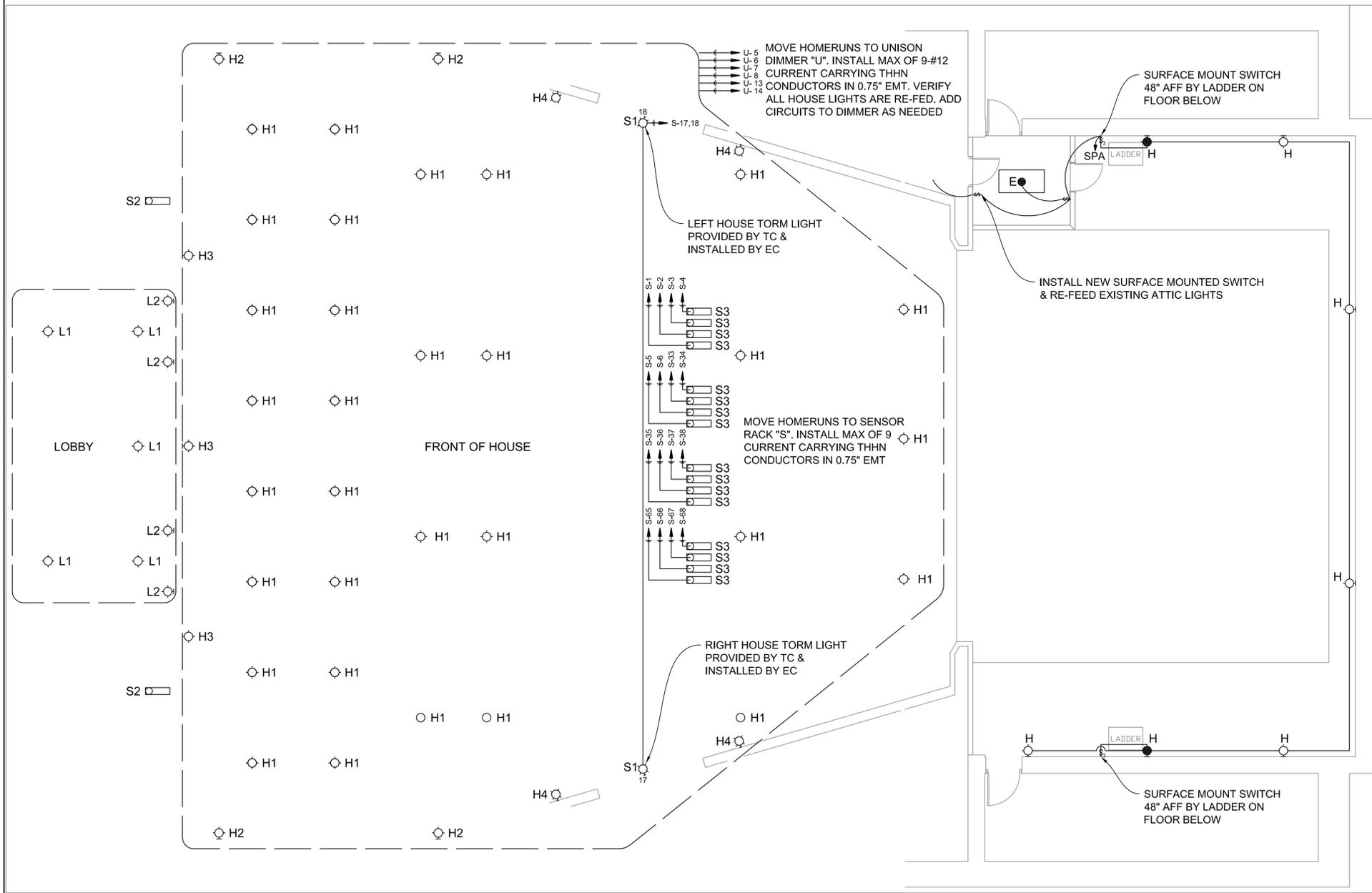
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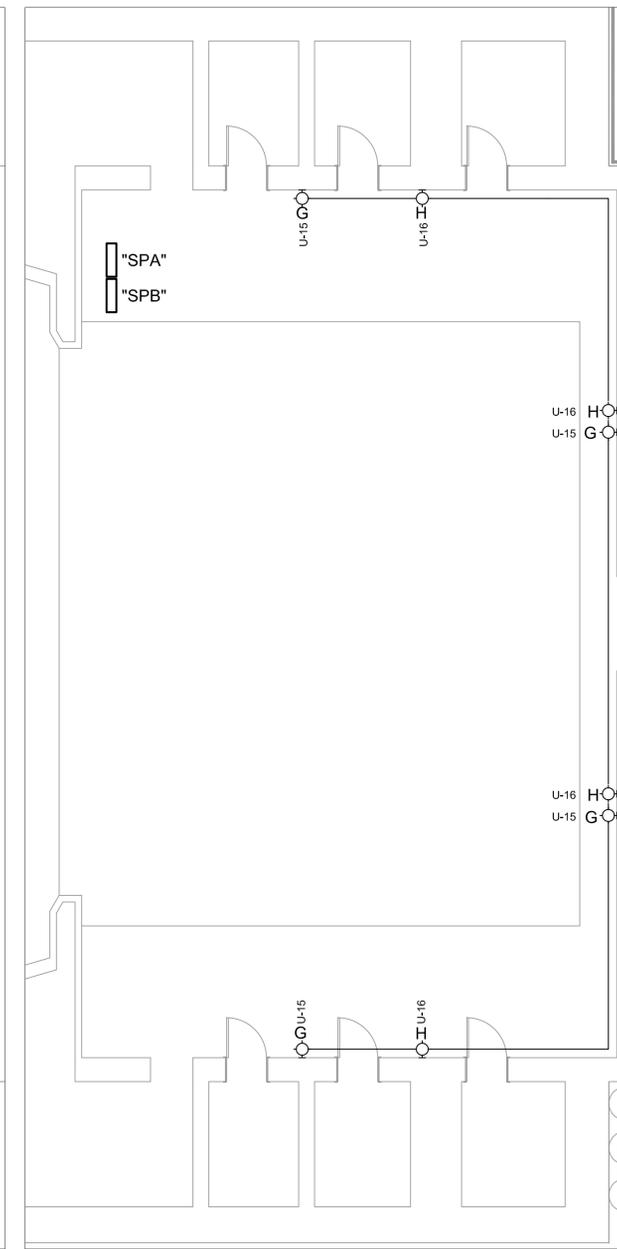
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1 LIGHTING PLAN FOR MEZZININE, HOUSE & LOBBY  
 NO SCALE



2 LIGHTING PLAN FOR STAGE  
 NO SCALE

LIGHTING NOTES	
L1	REPLACE EXISTING PENDANT LIGHT WITH FIXTURE PROVIDED BY OWNER
L2	REPLACE EXISTING SCONCE LIGHT WITH FIXTURE PROVIDED BY OWNER
H1	LEAVE EXISTING RECESSED FIXTURE IN PLACE & FEED FROM NEW DIMMER "U"
H2	REPLACE EXISTING WALL LIGHT WITH FIXTURE PROVIDED BY OWNER & FEED FROM NEW DIMMER "U"
H3	REPLACE EXISTING SCONCE LIGHT WITH FIXTURE PROVIDED BY OWNER & FEED FROM NEW DIMMER "U"
H4	LEAVE EXISTING WALL LIGHT IN PLACE & FEED FROM NEW DIMMER "U"
S1	NEW TORM LIGHT PROVIDED BY TC & INSTALLED BY EC
S2	NEW FOLLOW SPOT LIGHT PROVIDED BY TC & INSTALLED BY EC. PROVIDE NEW CIRCUIT FROM PANEL SERVING EXISTING LIGHT.
S3	LEAVE EXISTING SPOT LIGHT IN COVE & FEED FROM NEW DIMMER

PRIOR TO SUBMITTING PROPOSAL, EC TO REVIEW ALL WORK WITH THE THEATRICAL CONTRACTOR AND INCLUDE ANY AND ALL CHANGES REQUIRED BY THEATRICAL CONTRACTOR

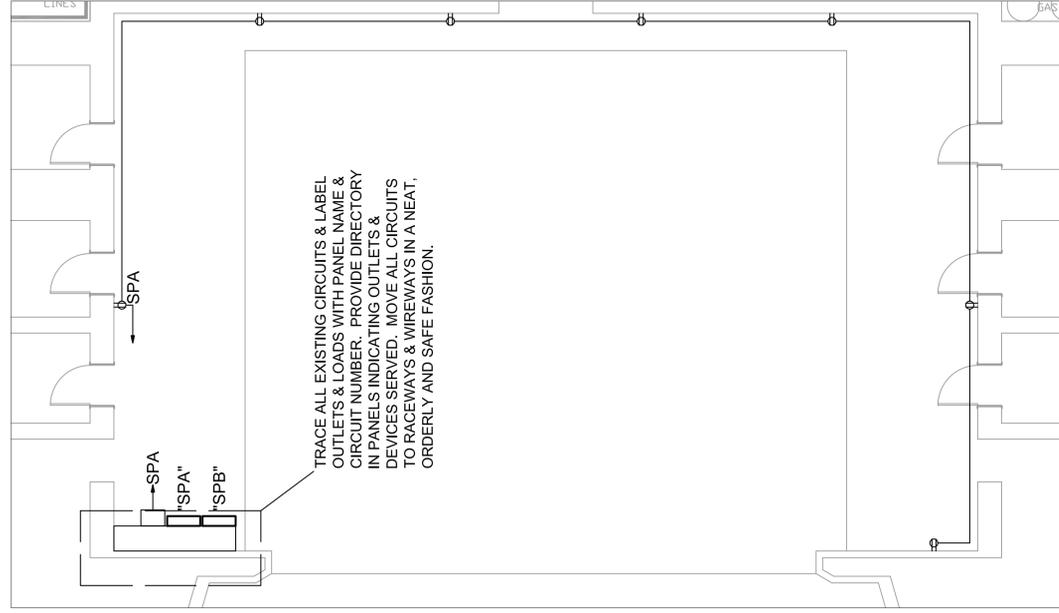
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 (date of submission here)  
 SHEET TITLE  
 LIGHTING PLAN

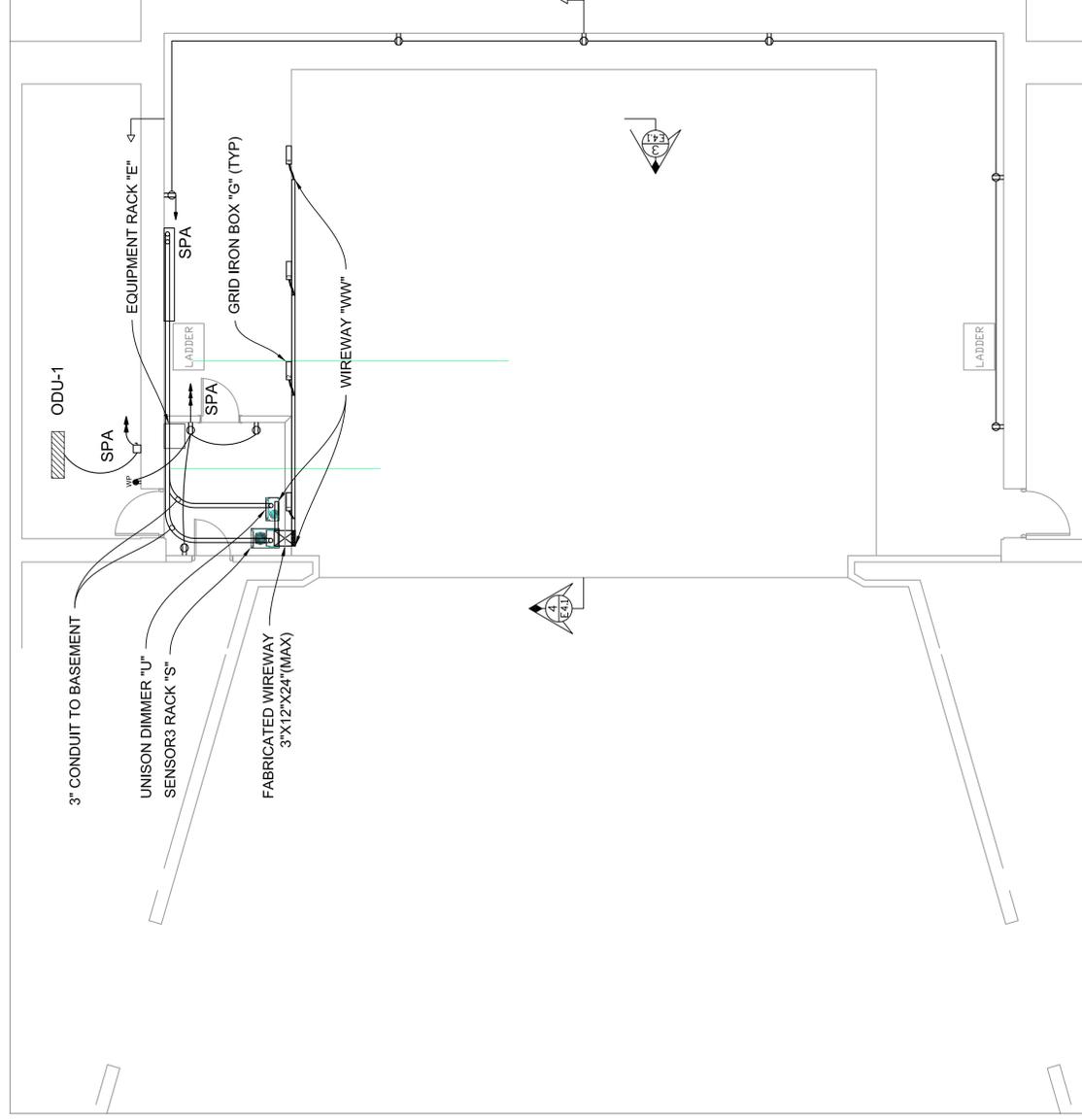
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E3.0

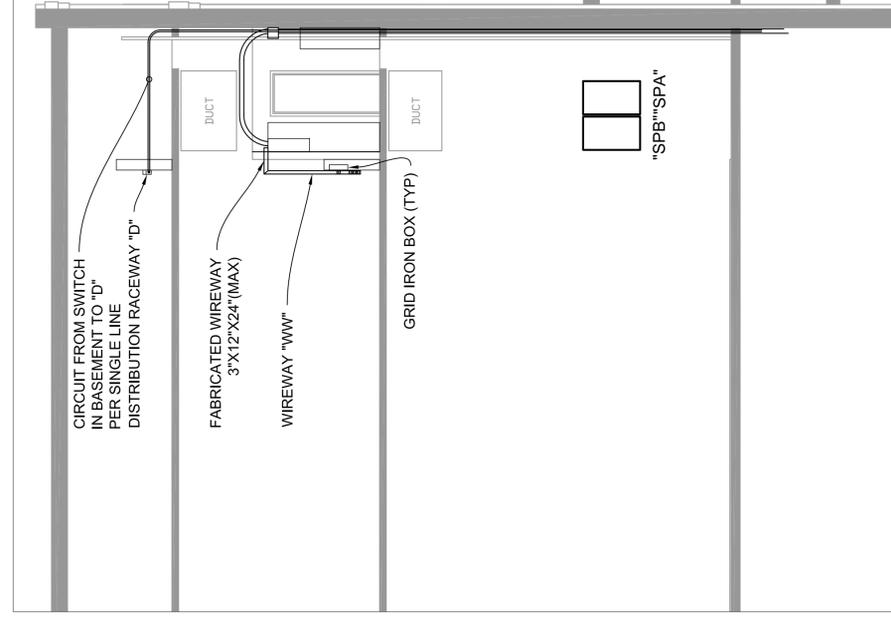
CITY OF ROME, GEORGIA  
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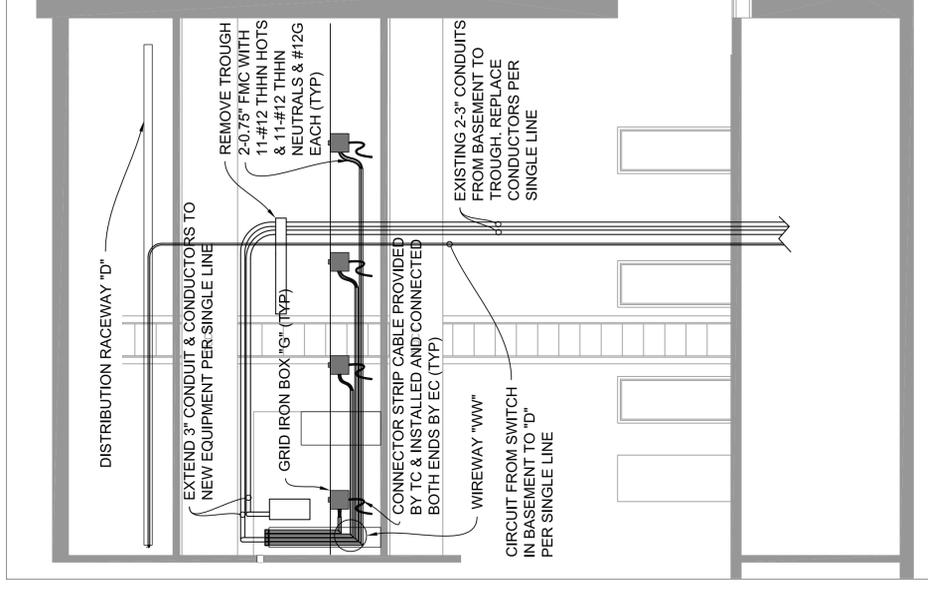
1 STAGE LEVEL POWER  
NO SCALE



2 STAGE MEZZININE AND HOUSE ATTIC POWER  
NO SCALE



3 CROSS SECTION VIEW OF STAGE POWER  
NO SCALE



4 STAGE RIGHT SECTION POWER VIEW  
NO SCALE

LEGEND

TC	THEATRICAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR
E	EQUIPMENT RACK PROVIDED BY TC & INSTALLED BY EC. EC TO PROVIDE & CONNECT ALL POWER CIRCUITS
S	SENSOR3-48 PROVIDED BY TC & INSTALLED BY EC. EC TO PROVIDE & CONNECT ALL POWER CIRCUITS
U	UNISON DRD12 PROVIDED BY TC & INSTALLED BY EC. EC TO PROVIDE & CONNECT ALL POWER CIRCUITS
D	DISTRIBUTION RACEWAY PROVIDED BY TC & INSTALLED BY EC. EC TO PROVIDE & CONNECT ALL POWER CIRCUITS
G	GRID IRON PROVIDED BY TC & INSTALLED BY EC. EC TO PROVIDE & CONNECT ALL POWER CIRCUITS
WW	2.5"x2.5" METAL RACEWAY WITH DIVIDER & HINGED COVER WITH 22-#12 THHN CURRENT CARRYING CONDUCTORS & #12G PER COMPARTMENT SURFACE MOUNTED ON OUTSIDE OF MEZZININE WALL

PRIOR TO SUBMITTING PROPOSAL, EC TO REVIEW ALL WORK WITH THE THEATRICAL CONTRACTOR AND INCLUDE ANY AND ALL CHANGES REQUIRED BY THEATRICAL CONTRACTOR

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**ROME CITY AUDITORIUM  
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CONSTRUCTION DOCUMENTS

PROJECT NUMBER  
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 ISSUED DATE

SHEET TITLE  
 STAGE POWER PLAN

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

**E4.1**



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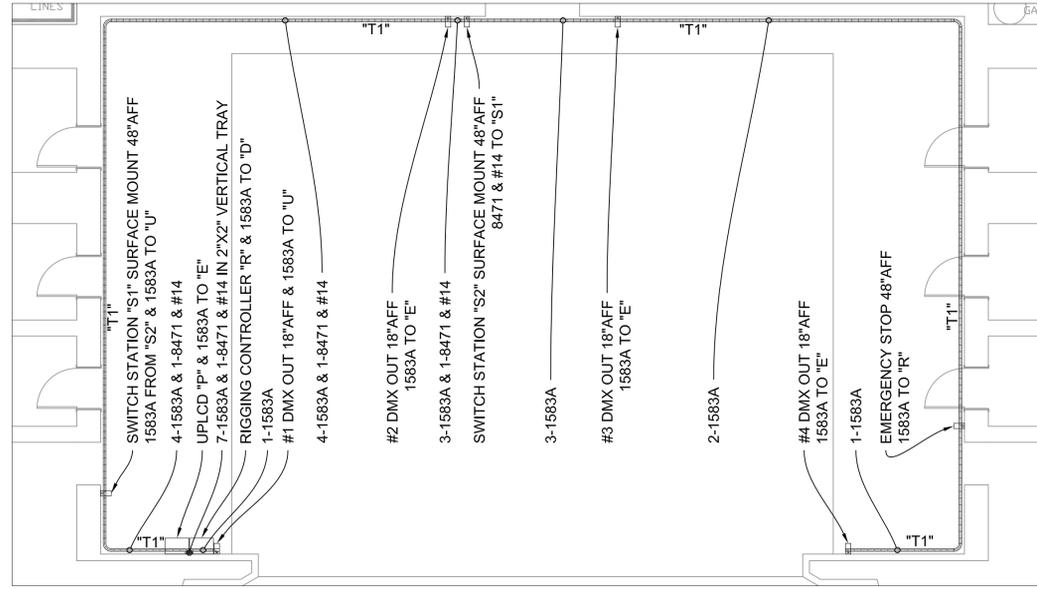
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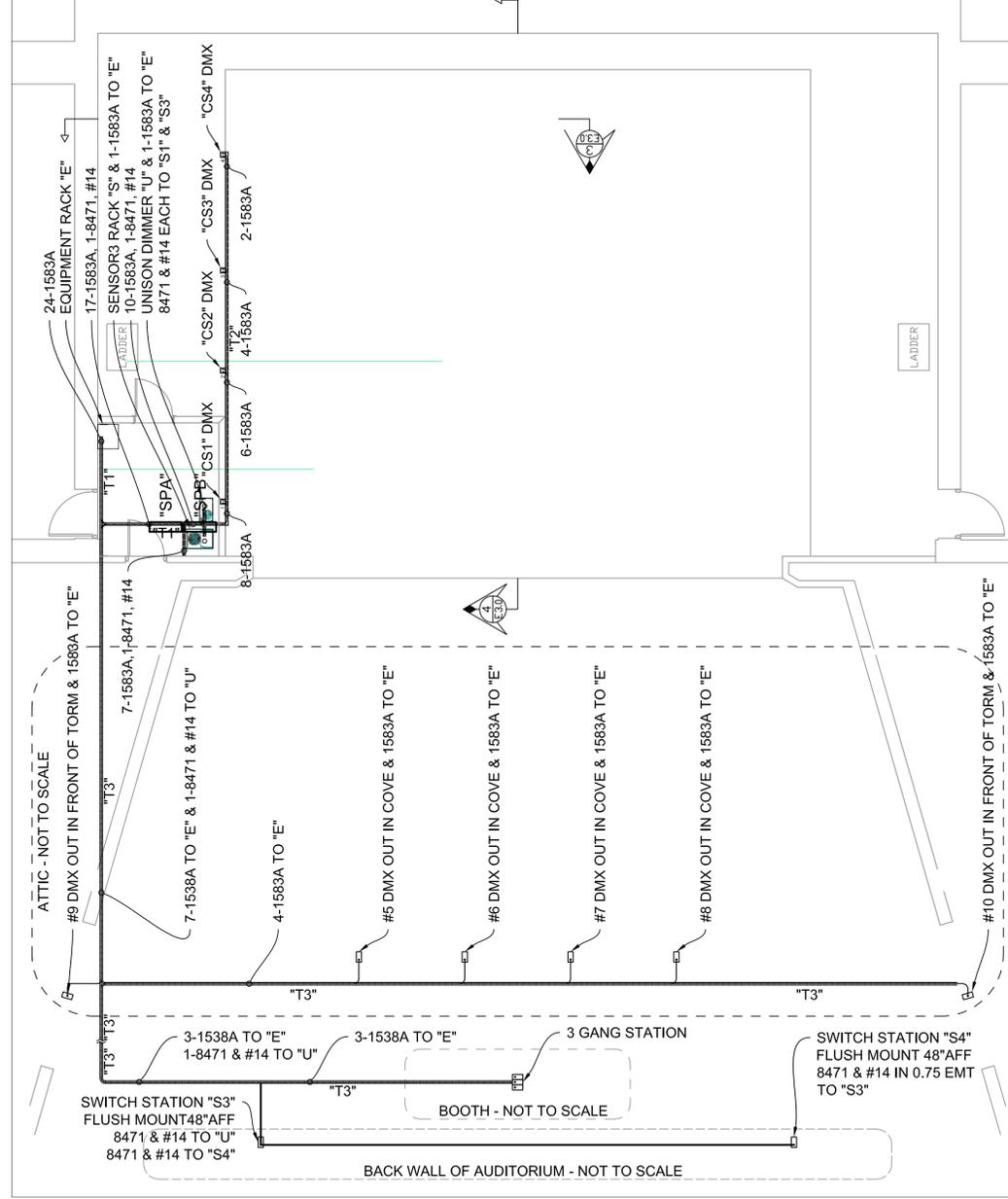
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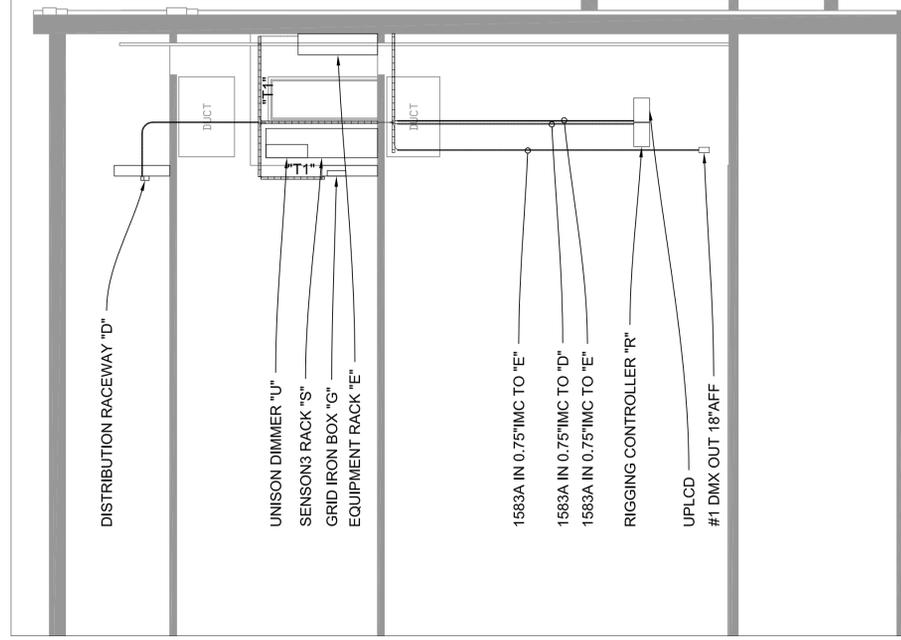
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1 STAGE LEVEL LOW VOLTAGE  
NO SCALE



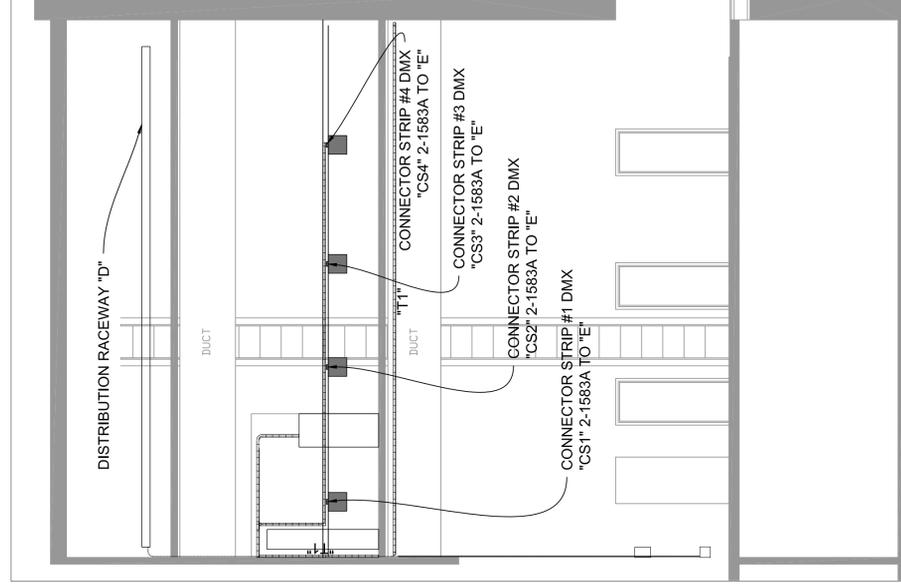
2 STAGE MEZZININE AND HOUSE ATTIC LOW VOLTAGE  
NO SCALE



3 CROSS SECTION VIEW OF STAGE LOW VOLTAGE  
NO SCALE

**LEGEND**

TC	THEATRICAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR
E	EQUIPMENT RACK PROVIDED BY TC & INSTALLED BY EC
S	SENSOR3-48 PROVIDED BY TC & INSTALLED BY EC
U	UNISON DRD12 PROVIDED BY TC & INSTALLED BY EC
D	DISTRIBUTION RACEWAY PROVIDED BY TC & INSTALLED BY EC
G	GRID IRON PROVIDED BY TC & INSTALLED BY EC
R	RIGGING CONTROLLER PROVIDED BY TC & INSTALLED BY EC
P	UPLCD PROVIDED BY TC & INSTALLED BY EC
T1	2"X2" BASKET WIRE TRAY SUSPENDED 6" BELOW CEILING
T2	SAME AS T1 EXCEPT MOUNTED ON OUTSIDE OF MEZZININE WALL
T3	SAME AS T1 EXCEPT AN ALTERNATE SYSTEM THAT MEETS NEC REQUIREMENTS IS ACCEPTABLE
1583A	BELDEN 1583A CABLE PROVIDED & TERMINATED BY TC & INSTALLED BY EC
8471, #14	BELDEN 8471 CABLE PROVIDED & TERMINATED BY EC, #14 GROUND PROVIDED & INSTALLED BY EC



4 STAGE RIGHT SECTION LOW VOLTAGE VIEW  
NO SCALE

NOTE: EC TO PROVIDE & INSTALL ALL BACK BOXES AS SPECIFIED BY TC. EC TO COORDINATE THE LOCATION & INSTALLATION OF ALL EQUIPMENT WITH TC. EC TO MAKE ALL POWER CONNECTIONS. TC TO MAKE ALL LOW VOLTAGE CONNECTIONS. EC TO LEAVE 36" OF LOW VOLTAGE CABLE AT ALL ENDS EXCEPT AT "E" WHERE LENGTH IS TO BE SPECIFIED BY TC

PRIOR TO SUBMITTING PROPOSAL, EC TO REVIEW ALL WORK WITH THE THEATRICAL CONTRACTOR AND INCLUDE ANY AND ALL CHANGES REQUIRED BY THEATRICAL CONTRACTOR



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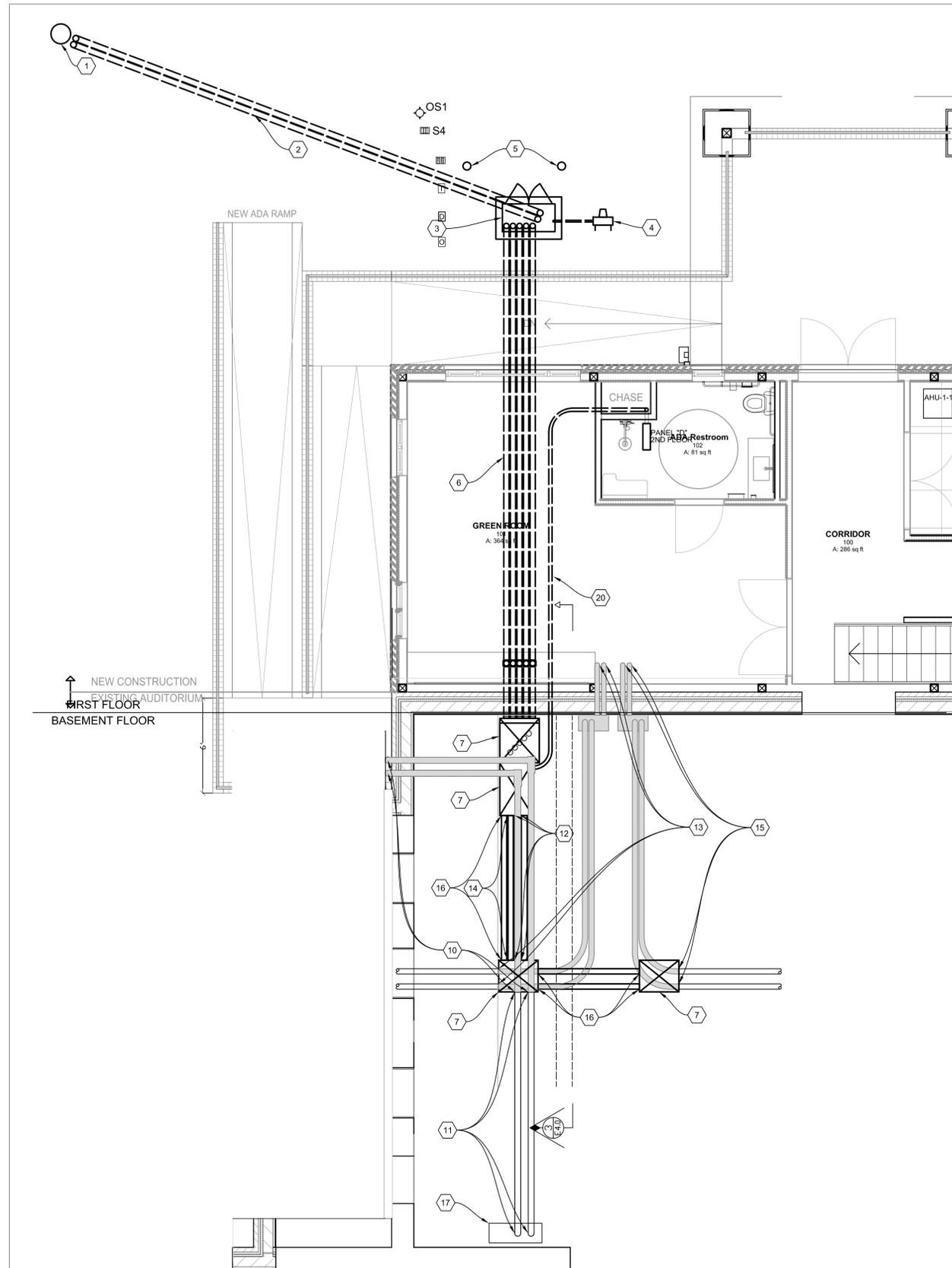
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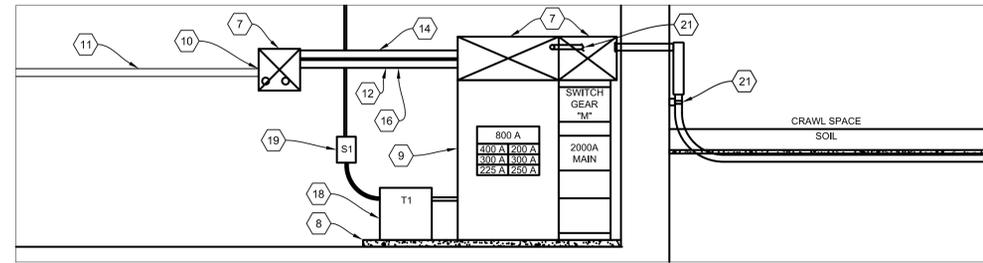
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**ROME CITY AUDITORIUM  
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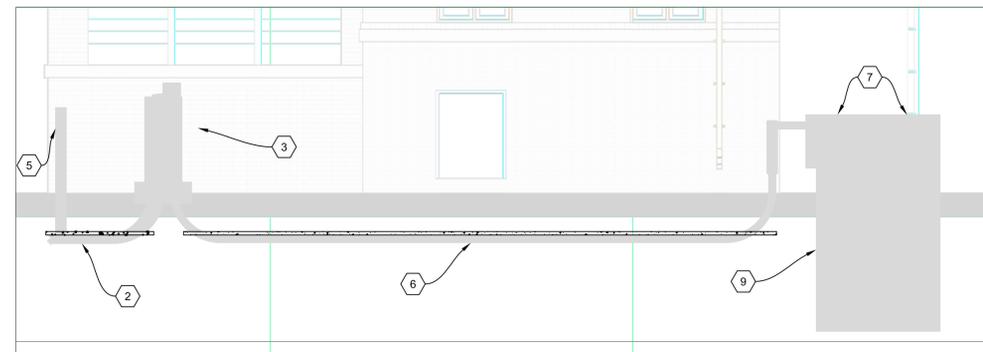
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PROJECT NUMBER  
14047  
ISSUED BY  
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ISSUED DATE  
(date of submission here)  
SHEET TITLE  
STAGE LOW VOLTAGE PLAN



1 PLAN VIEW OF SERVICE AND FEEDERS  
NO SCALE



3 SECTION VIEW OF SERVICE  
NO SCALE



2 ELEVATION VIEW OF SERVICE  
NO SCALE

KEYED NOTES

1	GEORGIA POWER TRANSFORMER POLE
2	TWO RUNS OF 4" PVC UNDERGROUND WITH 2" CONCRETE COVER AND LONG SWEEP ELBOW BOTH ENDS FROM BASE OF POLE TO METER CABINET. GEORGIA POWER TO PROVIDE AND INSTALL SERVICE LATERAL. COORDINATE WITH GEORGIA POWER
3	METER CABINET PROVIDED BY GEORGIA POWER AND INSTALLED BY EC. COORDINATE LOCATION AND INSTALLATION WITH GEORGIA POWER
4	METER PEDESTAL PROVIDED AND INSTALLED BY EC. METER BASE PROVIDED BY GEORGIA POWER. COORDINATE WITH GEORGIA POWER
5	6" BOLLARDS 36" HIGH PAINTED YELLOW
6	FIVE RUNS OF 4" THREADED IMC UNDERGROUND WITH 2" CONCRETE COVER. SEE E5.0/1
7	PULL/JUNCTION BOXES SIZED AS REQUIRED TO MEET NEC WIRE BENDING RADII, FILL LIMITS, SPLICING AND OTHER REQUIREMENT. 16 GAUGE MINIMUM PRIMED AND PAINTED TO TOP COATS TO MATCH SWITCHBOARD.
8	4" HIGH CONCRETE HOUSEKEEPING CURB
9	SERVICE EQUIPMENT (SEE SINGLE LINE)
10	REMOVE 2 WEATHER HEADS, CONDUITS AND CONDUCTORS. REPAIR HOLES. TERMINATE CONDUITS IN PULL BOX
11	REMOVE CONDUCTORS
12	TWO 4" EMT. SEE E6.0/1
13	REMOVE 2 WEATHER HEADS, CONDUITS & SWITCH. REMOVE CONDUCTORS TO MEZZENINE. REPAIR HOLES
14	TWO 3" EMT. EXTEND ONE CONDUCTOR SET TO SENSOR RACK "S" & ONE CONDUCTOR SET TO UNISON DIMMER "U". SEE E6.0/1
15	REMOVE 2 WEATHER HEADS, CONDUITS, SWITCH. REMOVE CONDUCTORS TO NEW JUNCTION BOX. LEAVE CONDUCTORS SUFFICIENT FOR SPLICING. REPAIR HOLES
16	TWO 3" IMC. SPLICE TO EXISTING CONDUCTORS IN BOX. SEE E6.0/1
17	EXISTING 800A PANEL. SEPARATE NEUTRAL AND GROUND BUSES. ADD BUS AS NECESSARY AND INSULATE NEUTRAL BUS FROM GROUND
18	TRANSFORMER "T1" 208V - 480V/277V TRANSFORMER. SEE E6.0/1
19	SWITCH "S1" 100A, 600V, 3 POLE NEMA 1 HEAVY DUTY SAFETY SWITCH. SEE E6.0/1
20	2.5" EMT TO PANEL "D". SEE E6.0/1
21	CLAMP SECURELY TO WALL



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WESLEY TURNER

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PH\_404.681.5315  
WWW.BARBIZON.COM

NOT FOR CONSTRUCTION

CITY OF ROME, GEORGIA

ROME CITY AUDITORIUM  
UPGRADES AND NEW ADDITION

601 BROAD STREET  
ROME, GEORGIA 30161

CONSTRUCTION DOCUMENTS

PROJECT NUMBER

14047

ISSUED BY

CEVIAN® DESIGN LAB, LLC

ISSUED DATE

(date of submission here)

SHEET TITLE

ELECTRIC SERVICE

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

E5.0





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CITY OF ROME, GEORGIA

ROME CITY AUDITORIUM  
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 ROME, GEORGIA 30161

CONSTRUCTION DOCUMENTS

PROJECT NUMBER  
**14047**  
 ISSUED BY  
**CEVIAN® DESIGN LAB, LLC**  
 ISSUED DATE  
 (date of submission here)

SHEET TITLE  
**SCHEDULES**

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

**E6.1**

**LIGHTING FIXTURE SCHEDULE**

TAG	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMP	MOUNTING
A	CEILING MOUNTED LED	PHILIPS LIGHTOLIER	S7R830K10		SURFACE MOUNTED ON CEILING
B1	VANITY FIXTURE	THOMAS	SL741878	6-100W INCANDESCENT	WALL MOUNT AT 6" ABOVE MIRROR
B2	VANITY FIXTURE	THOMAS	SL742578	8-100W INCANDESCENT	WALL MOUNT AT 6" ABOVE MIRROR
C	SURFACE FLUORESCENT	HE WILLIAMS	LX4S-4-1NST8-WAPL-EB-UNV	1-32W T8	SURFACE
D	PENDANT FIXTURE	TROY LIGHTING	F9627NB	3-60W INCANDESCENT	PENDANT AT 10'
E	2 X 4 TROFFER	HE WILLIAMS	LPT-24-332-SA12125-EB3-UNV	3-32W T8	LAY IN
F	RECESSED STEP LIGHT	FC LIGHTING	FCSL105-120/277-LED-4K-540-BZ	7W LED	18" AFF
G	WALL CYLINDER DOWN LIGHT	DASAL	MAX2-75WPAR20-120-04-D	HALCO BR30BLU65/5	WALL MOUNTED AT 8'AFF
H	ARCHITECTURAL WALL MOUNT	WILLIAMS	WMA-3-217-A-CT-EB2-UNV	2-32T8	WALL MOUNTED AT 9'AFF
I	LIGHTED MIRROR	INTEGRITY	INT-18.00X44.00	3-55W T5 CIRCLINE	SEE ARCHTECTURAL PLAN
J	SHOWER LIGHT	JUNO	12SQ-W-WH 4	LED	RECESSED
M1	EMERGENCY FIXTURE	BEGHELLI	XMR-S1	LED	7' AFF
M2	EMERGENCY FIXTURE	PHILIPS	CM-25025	LED	11' AFF
X	EXIT/EMERGENCY COMBO	BEGHELLI	BBY-C	LED	ABOVE DOOR
	DUAL TECHNOLOGY OCCUPANCY SENSOR	WATTSTOPPER			CEILING MOUNTED

**LIGHTING CONTROL PANEL "L" SCHEDULE**

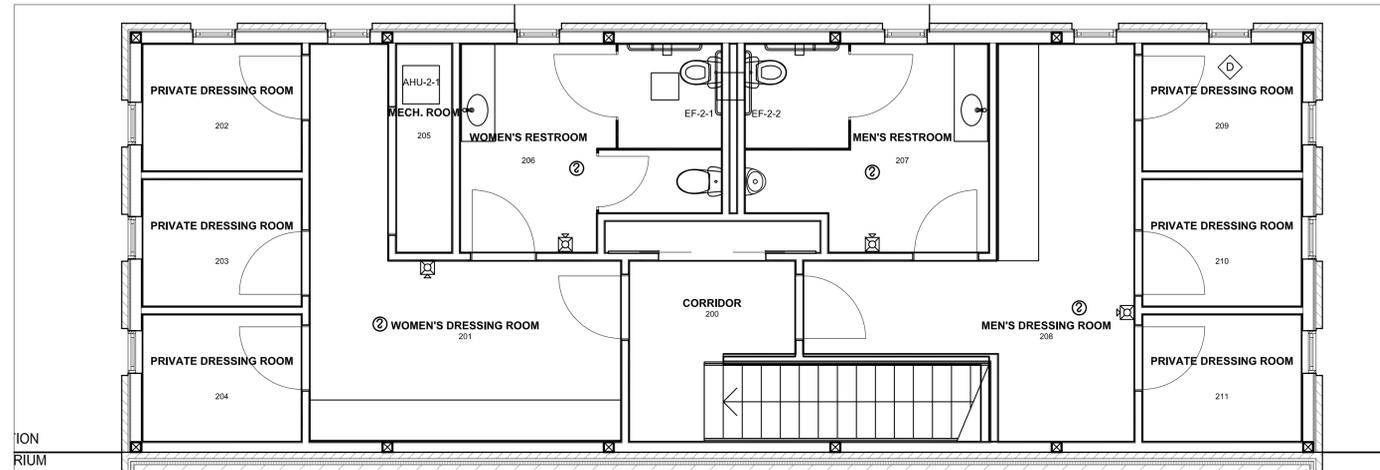
RELAY	DESCRIPTION	SWITCHES	OCCUPANCY SENSOR	PNL D CKT
L1	HALL LIGHTS - ROOM 100	S1-a, S2-b, S3-c	NONE	D1
L2	GREEN ROOM LIGHTS - ROOM 101	S4	OS1	D3
L3	GREEN ROOM DRESSING TABLE LIGHTS - ROOM 101	S4-b	OS1	D5
L4	GREEN ROOM DRESSING TABLE RECEPTACLES - ROOM 101	S4-c	NONE	D7
L5	GREEN ROOM DRESSING TABLE RECEPTACLES - ROOM 101	S4-c	NONE	D9
L6	GREEN ROOM DRESSING TABLE RECEPTACLES - ROOM 101	S4-c	NONE	D11
L7	STORAGE LIGHTS - ROOM 103	S1-b, S5	OS2	D15
L8	WOMEN'S DRESSING ROOM LIGHTS - ROOM 201	S6-a	OS3	D19
L9	WOMEN'S DRESSING TABLE LIGHTS - ROOM 201	S6-b	OS3	D21
L10	WOMEN'S DRESSING TABLE RECEPTACLES - ROOM 201	S6-c	NONE	D23
L11	WOMEN'S DRESSING TABLE RECEPTACLES - ROOM 201	S6-c	NONE	D25
L12	WOMEN'S DRESSING TABLE RECEPTACLES - ROOM 201	S6-c	NONE	D27
L13	MEN'S DRESSING ROOM LIGHTS - ROOM 208	S7-a	OS4	D29
L14	MEN'S DRESSING TABLE LIGHTS - ROOM 208	S7-b	OS4	D31
L15	MEN'S DRESSING TABLE RECEPTACLES - ROOM 208	S7-c	NONE	D33
L16	MEN'S DRESSING TABLE RECEPTACLES - ROOM 208	S7-c	NONE	D35
L17	PRIVATE DRESSING ROOM LIGHTS - ROOM 202	S8-a	OS5	D37
L18	PRIVATE DRESSING TABLE LIGHTS - ROOM 202	S8-b	OS5	D37
L19	PRIVATE DRESSING TABLE RECEPTACLES - ROOM 202	S8-c	NONE	D39
L20	PRIVATE DRESSING ROOM LIGHTS - ROOM 203	S9-a	OS6	D37
L21	PRIVATE DRESSING TABLE LIGHTS - ROOM 203	S9-b	OS6	D37
L22	PRIVATE DRESSING TABLE RECEPTACLES - ROOM 203	S9-c	NONE	D39
L23	PRIVATE DRESSING ROOM LIGHTS - ROOM 204	S10-a	OS7	D37
L24	PRIVATE DRESSING TABLE LIGHTS - ROOM 204	S10-b	OS7	D37
L25	PRIVATE DRESSING TABLE RECEPTACLES - ROOM 204	S10-c	NONE	D39
L26	PRIVATE DRESSING ROOM LIGHTS - ROOM 209	S11-a	OS8	D38
L27	PRIVATE DRESSING TABLE LIGHTS - ROOM 209	S11-b	OS8	D38
L28	PRIVATE DRESSING TABLE RECEPTACLES - ROOM 209	S11-c	NONE	D40
L29	PRIVATE DRESSING ROOM LIGHTS - ROOM 210	S12-a	OS9	D38
L30	PRIVATE DRESSING TABLE LIGHTS - ROOM 210	S12-b	OS9	D38
L31	PRIVATE DRESSING TABLE RECEPTACLES - ROOM 210	S12-c	NONE	D40
L32	PRIVATE DRESSING ROOM LIGHTS - ROOM 211	S13-a	OS10	D38
L33	PRIVATE DRESSING TABLE LIGHTS - ROOM 211	S13-b	OS10	D38
L34	PRIVATE DRESSING TABLE RECEPTACLES - ROOM 211	S13-c	NONE	D40
L35	RAMP & CANOPY LIGHTS	PHOTO CELL, S1-c		D41

**SWITCH SCHEDULE**

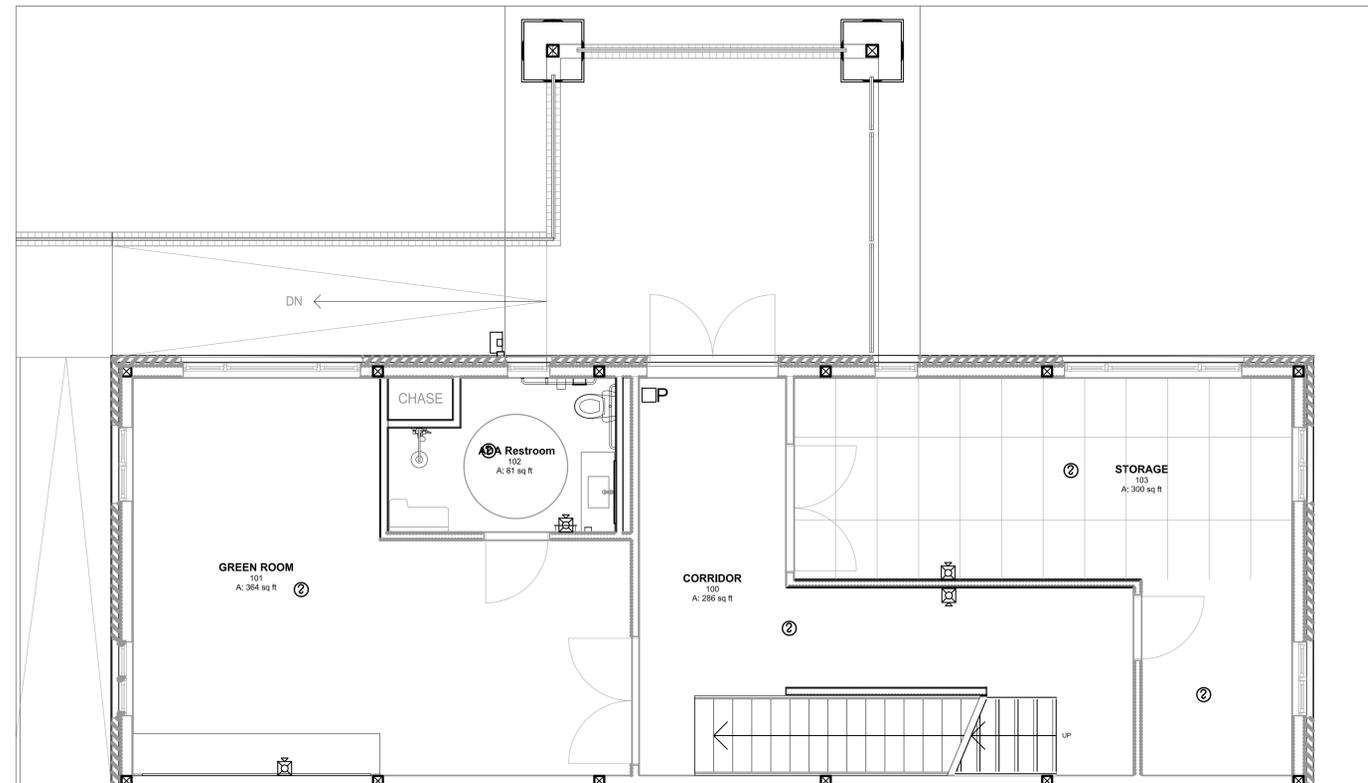
SWITCH	DESCRIPTION
S1	3 BUTTON LOW VOLTAGE
S2	1 BUTTON LOW VOLTAGE
S3	1 BUTTON LOW VOLTAGE
S4	1 BUTTON LOW VOLTAGE
S5	1 BUTTON LOW VOLTAGE
S6	3 BUTTON LOW VOLTAGE
S7	3 BUTTON LOW VOLTAGE
S8	3 BUTTON LOW VOLTAGE
S9	3 BUTTON LOW VOLTAGE
S10	3 BUTTON LOW VOLTAGE
S11	3 BUTTON LOW VOLTAGE
S12	3 BUTTON LOW VOLTAGE
S13	3 BUTTON LOW VOLTAGE

**MECHANICAL EQUIPMENT CONNECTION SCHEDULE**

TAG	DESCRIPTION	FEED FROM	BRANCH CIRCUIT	DISCONNECT	NOTES
HP-1-1	FIRST FLOOR HEAT PUMP	D-10,12	2-#12,#12G,1/2"C	30/2/NF NEMA3R	1,2
HP-2-1	SECOND FLOOR HEAT PUMP	D-14,16	2-#10,#10G,1/2"C	60/2/NF NEMA3R	1,2
AHU-1-1	FIRST FLOOR AIR HANDLER	D-2,4	2-#10,#10G,1/2"C	30/2/NF NEMA1	1,2
AHU-2-1	SECOND FLOOR AIR HANDLER	D-6,8	2-#6,#10G,3/4"C	60/2/NF NEMA1	1,2
RTU-1,2	ROOF TOP UNITS	MAIN "M"	SEE SINGLE LINE	ON UNIT	1,2,3
ODU-1	MINI SPLIT FOR ELECTRICAL ROOM	25/2 BKR IN SPA	2#10,#10G, 3/4"C	30/2/NF NEMA3R	
NOTES	1. EXTEND CIRCUITS TO UNITS AND MAKE CONNECTIONS.				
	2. VERIFY ELECTRICAL REQUIREMENT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH IN.				
	3. RECEPTACLE ON UNIT				



2 SECOND FLOOR FIRE ALARM PLAN  
Scale: 1/4" = 1'



1 FIRST FLOOR FIRE ALARM PLAN  
Scale: 1/4" = 1'

- PULL STATION
- SMOKE DETECTOR
- HORN/SSTROBE

NOTE:  
MATCH DEVICES TO EXISTING DEVICES AND CONNECT TO EXISTING FIRE ALARM PANEL. PRIOR TO SUBMITTING BID OBTAIN APPROVAL FROM AUTHORITY HAVING JURISDICTION, MODIFY INSTALLATION AND PANEL AS REQUIRED. INSTALL SYSTEM AS REQUIRED BY APPLICABLE CODES..

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CITY OF ROME, GEORGIA

ROME CITY AUDITORIUM  
UPGRADES AND NEW ADDITION

601 BROAD STREET  
ROME, GEORGIA 30161

CONSTRUCTION DOCUMENTS

PROJECT NUMBER  
14047

ISSUED BY  
**CEVIAN® DESIGN LAB, LLC**

ISSUED DATE  
(date of submission here)

SHEET TITLE  
FIRE ALARM PLAN

DISCIPLINE - CATEGORY - SUB CATEGORY - SHEET

E7.0

Barbizon Charlotte Inc. Submittal Package for:

# City Hall Auditorium

Rome, GA

Barbizon Charlotte Inc. Order #: TBD

Barbizon Charlotte Inc. Project Manager: Jonathan White

Submittal Package Contents:

- System Riser drawing(s)
- Equipment Topographies and Standard Drawings as required
- Dimmer Schedules as required
- System Notes and Wiring Rules
- Station Details
- System Commissioning Request form
- Cutsheets

Any questions concerning this system should be directed to the Project manager, who can be reached at our factory:

The toll-free number is: 800-688-4116

The factory number is: 608-831-4116

The fax number is: 608-836-1736

***For system energization, contact your Project Manager at least three weeks prior to your requested date.***

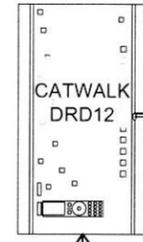
**Barbizon Charlotte Inc.**  
1483 Chattahoochee Ave. NW Suite D, Atlanta, GA 30318  
Phone: 404-681-5124  
Toll Free:  
Fax: 404-681-5315  
www.barbizon.com

Rev A	PM	Date

Project Name:	City Hall Auditorium
Location:	Rome, GA
Sold To:	City of Rome
Rep:	Monique Norman
Proj. Mgr:	Jonathan White
System # - Page:	TBD - Coversheet

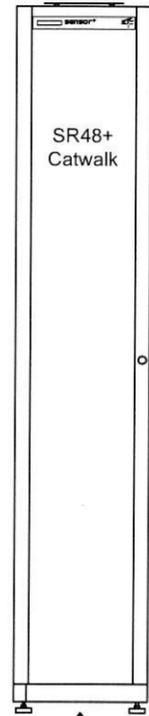


# General Dimming Distribution by Rack



3 Ø, 4 WIRE + GND  
120/208 VAC  
200A. MAX  
60 Hz.  
(BY OTHERS)

24 circuits of dimming, 10 on most upstage motorized electric, 14 to be divided between running lights and house lighting



3 Ø, 4 WIRE + GND  
120/208 VAC  
800A. MAX  
60 Hz.  
(BY OTHERS)

18 circuits of dimming in Front of house, 16 in attic, 1 over each outer Box Seat

78 circuits of dimming in over stage motorized electrics

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Toll Free:  
Fax: 404-681-5315  
www.barbizon.com

Rev A	PM	Date

Project Name:	Rome City Hall Auditorium
Location:	Rome GA
Sold To:	City of Rome
Rep:	Monique Norman
Proj. Mgr:	Bob Hoffman
System # - Page:	TBD - Riser

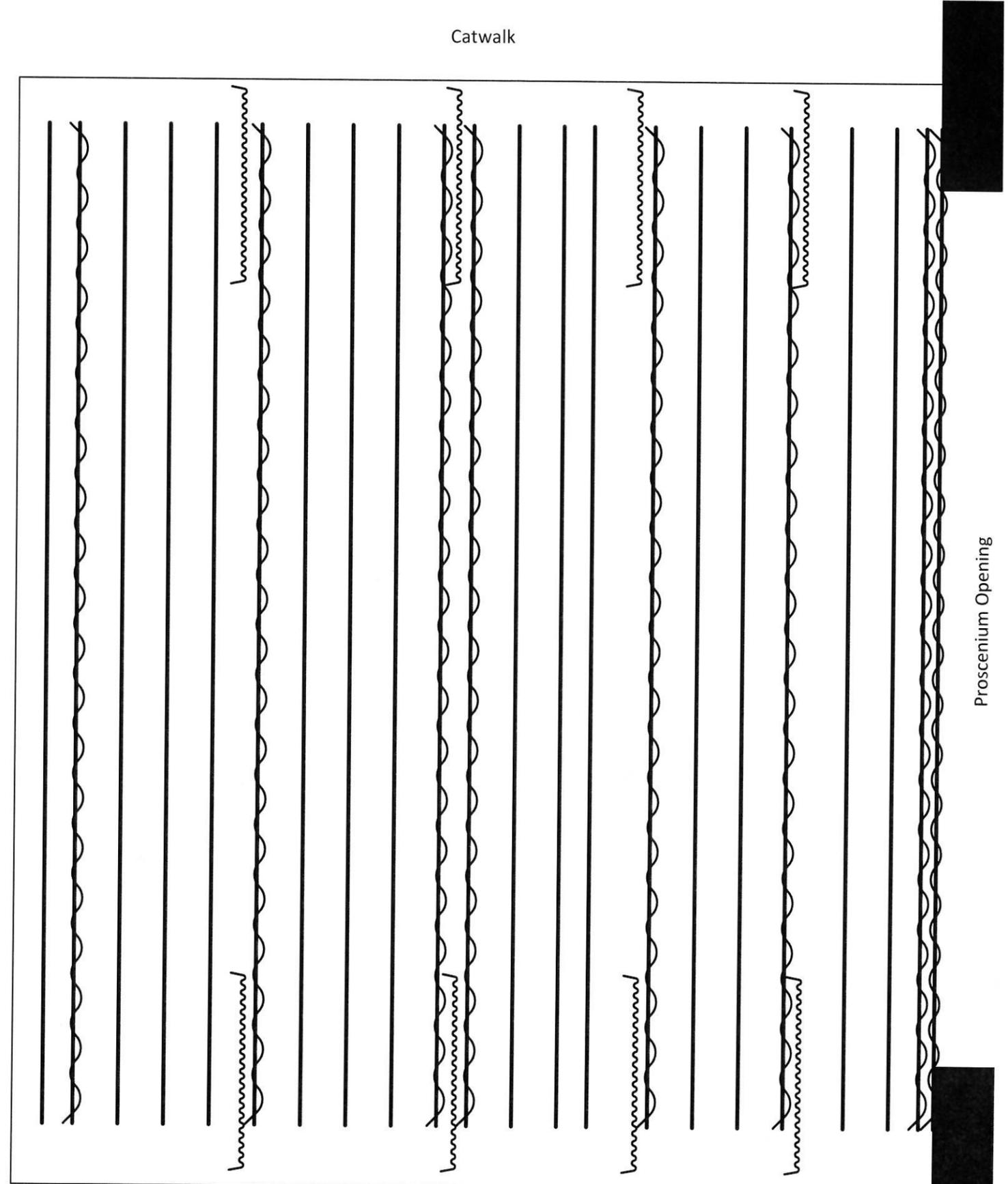




**Rigging Position, Purpose, and Spacing**

*\*Working from the Proscenium opening towards the back of stage, all distances are from the lineset in front of it.*

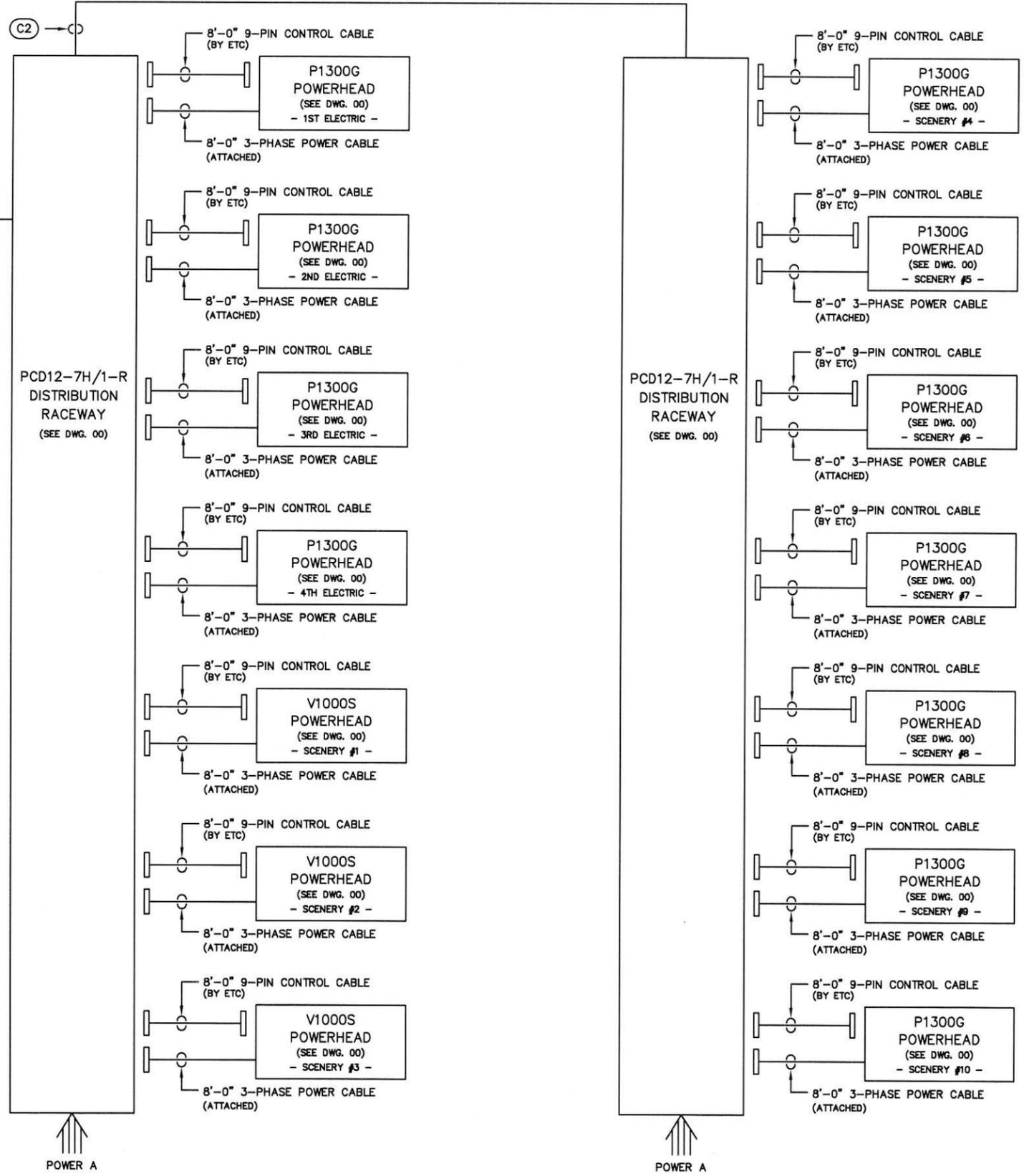
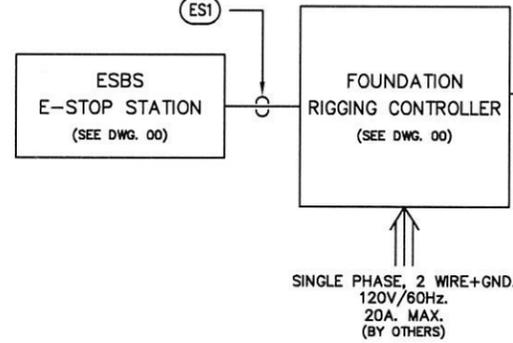
- Line 1: Main Valence, fixed static hung position, 1 ½" from proscenium
- Line 2: Main Curtain, fixed static hung position, 5"
- Line 3: Variable Speed Motor (V1000S), 12"
- Line 4: Motorized Stage Electric (P1300G), 18"
- Line 5: Legs, fixed static mounted with rotodrapers, 12"
- Line 6: Full Stage Traveler, fixed static hung with traveler track, 6"
- Line 7: Fixed Speed Motor (P1300G), 18"
- Line 8: Fixed Speed Motor (P1300G), 18"
- Line 9: Border, fixed static hung position, 18"
- Line 10: Legs, fixed static mounted with rotodrapers, 6"
- Line 11: Motorized Stage Electric (P1300G), 18"
- Line 12: Fixed Speed Motor (P1300G), 18"
- Line 13: Variable Speed Motor (V1000S), 18"
- Line 14: Border, fixed static hung position, 18"
- Line 15: Legs, fixed static mounted with rotodrapers, 6"
- Line 16: Full Stage Traveler, fixed static hung with traveler track, 6"
- Line 17: Motorized Stage Electric (P1300G), 18"
- Line 18: Fixed Speed Motor (P1300G), 18"
- Line 19: Fixed Speed Motor (P1300G), 18"
- Line 20: Border, fixed static hung position, 18"
- Line 21: Legs, fixed static mounted with rotodrapers, 6"
- Line 22: Fixed Speed Motor (P1300G), 12"
- Line 23: Motorized Stage Electric (P1300G), 18"
- Line 24: Variable Speed Motor (V1000S), 18"
- Line 25: Full Stage Traveler, fixed static hung with traveler track, 18"
- Line 26: Fixed Speed Motor (P1300G), 12"



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Rev A	PM	Date

Project Name: Rome City Hall Auditorium  
 Location: Rome, GA  
 Sold To: City of Rome  
 Rep: Monique Norman  
 Proj. Mgr: Jonathan White  
 System # - Page: TBD - Riser



HOIST POWER LEGEND		
SYMBOL	BOX TYPE	POWER
POWER A	PCD-H	3 PHASE, 3 WIRE + GROUND MOTOR RATED BREAKER 480VAC 170A. MAX. 60 Hz.
ALL POWER PROVIDED BY OTHERS		

CONTROL WIRING LEGEND		
SYMBOL	WIRE TYPE(S)	SIGNAL
C*	(1) BELDEN #1583A	HOIST CONTROL (24AWG Cat5e)
X*	(1) BELDEN #9729	DMX OUT
ES*	(1) BELDEN #1583A	E-STOP (24AWG Cat5e)
* = WIRE IDENTIFICATION NUMBER (NOT QUANTITY)		

- NOTES:
- 1.) ALL CONTROL WIRING IS PROVIDED BY OTHERS UNLESS NOTED OTHERWISE.
  - 2.) A MAXIMUM OF 24 HOISTS PER C (HOIST CONTROL) BRANCH.
  - 3.) TOTAL COMBINED LENGTH OF EACH C WIRING BRANCH CANNOT EXCEED 500 FEET (150 METERS).
  - 4.) TOTAL COMBINED LENGTH OF EACH ES (EMERGENCY STOP) WIRING BRANCH CANNOT EXCEED 500 FEET (150 METERS).
  - 5.) A MAXIMUM OF 3 EMERGENCY STOP STATIONS PER BRANCH.
  - 6.) TOTAL LENGTH OF RC (REMOTE STATION) WIRING BRANCH CANNOT EXCEED 500 FEET (150 METERS).
  - 7.) PHASE SEQUENCING FOR 3-PHASE POWER MUST BE OBSERVED AND BE CONSISTENT.
  - 8.) HOIST CONTROL, EMERGENCY STOP AND REMOTE STATION WIRING MUST BE IN GROUNDED METAL CONDUIT UNLESS SHIELDED CABLE (Cat5E STP) IS USED.
  - 9.) \*\* - CIRCUIT NUMBERING MUST BE PROVIDED PRIOR TO MANUFACTURING.
  - 10.) → CIRCUITS FROM ETC LIGHTING JOB #15???????

**Electronic Theatre Controls Inc**  
 3031 Pleasant View Rd  
 PO Box 620979  
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 Fax 608 836 1736  
 www.etcconnect.com

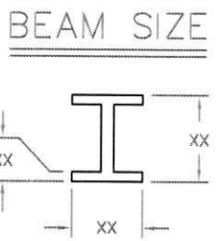
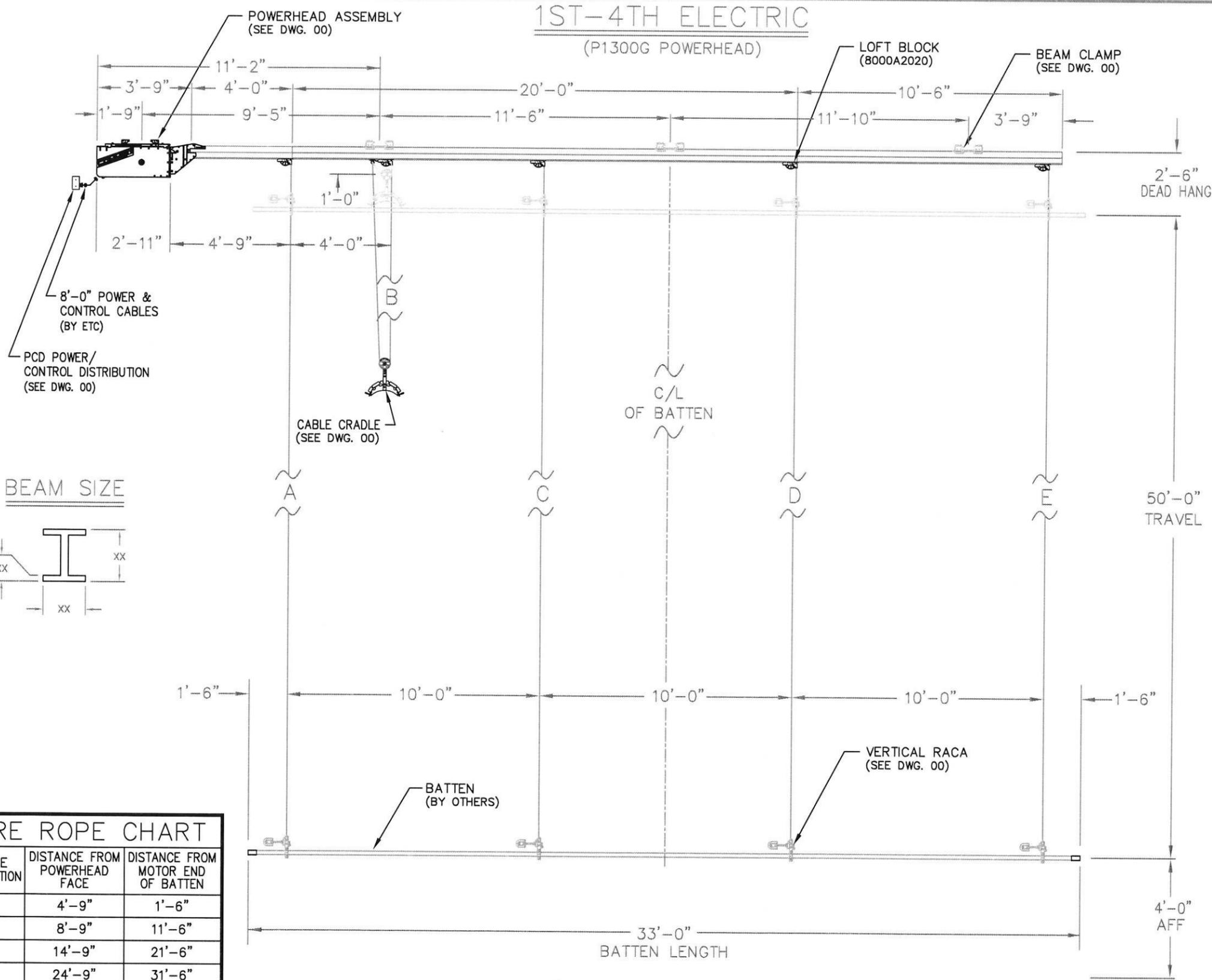
ROME CITY HALL  
ROME, GEORGIA  
BARBIZON ATLANTA

JOB: LOCATION: CONTRACT WITH: REPRESENTATIVE: TITLE: RIGGING SYSTEM RISER

REVISION B	CA	12/03/14	CA	10/06/14	BY	DATE	APPD.	REV.	B
DRAWING: ROME CITY HALL-T1									

FILE NAME: RISER WITH RACEWAY.DWG

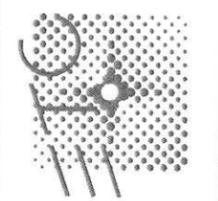
UNLESS OTHERWISE SPECIFIED - ALL DIMENSIONS ARE IN INCHES.



WIRE ROPE CHART		
CABLE DESIGNATION	DISTANCE FROM POWERHEAD FACE	DISTANCE FROM MOTOR END OF BATTEN
A	4'-9"	1'-6"
B	8'-9"	11'-6"
C	14'-9"	21'-6"
D	24'-9"	31'-6"
E	34'-9"	41'-6"

**NOTE:**  
 MINIMUM OF 4'-0" DISTANCE BETWEEN POWERHEAD FACE AND 1ST LIFT LINE.

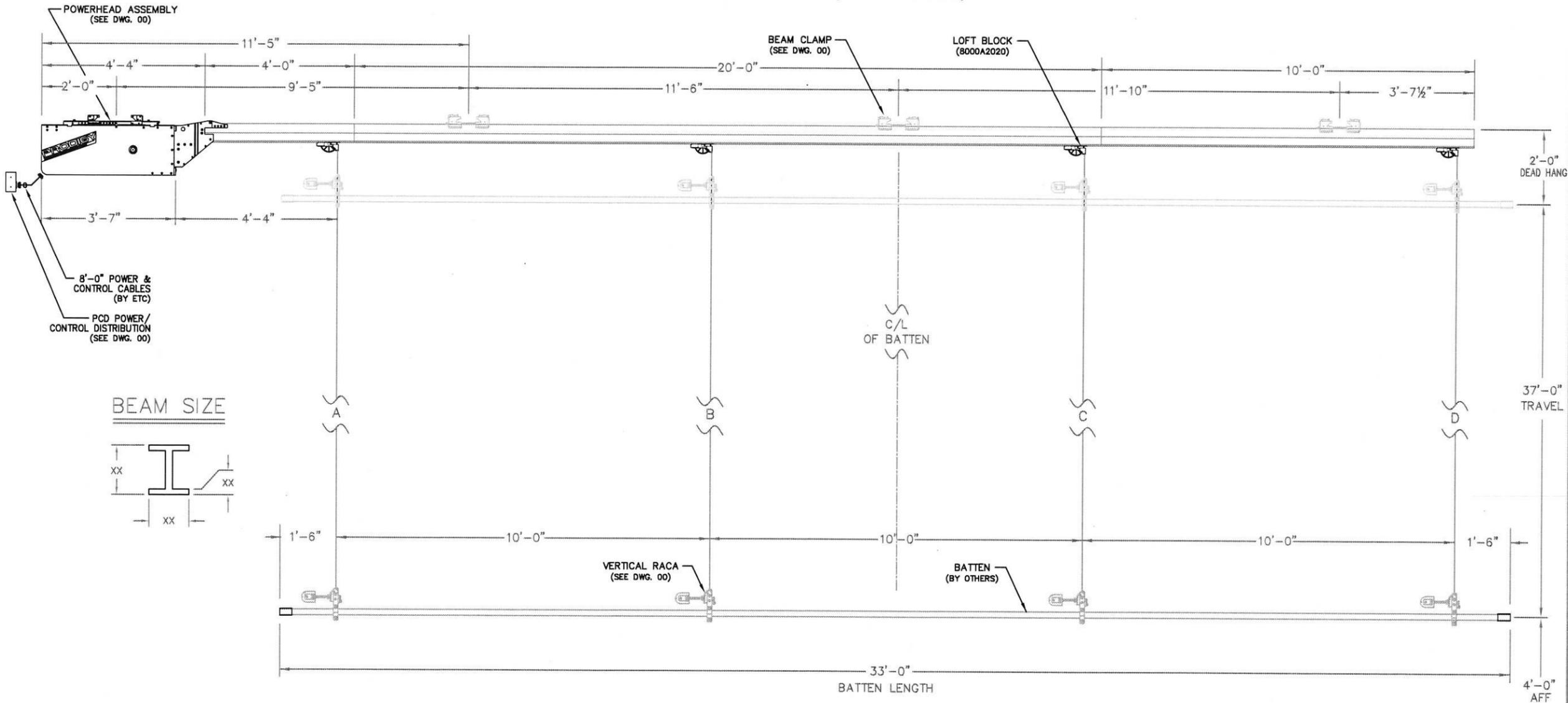
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UNLESS OTHERWISE SPECIFIED - ALL DIMENSIONS ARE IN INCHES.

JOB:	ROME CITY HALL ROME, GEORGIA
LOCATION:	ROME, GEORGIA
CONTRACT WITH:	BARBIZON ATLANTA
REPRESENTATIVE:	
TITLE:	GENERAL RIGGING SYSTEM ELEVATION
FILE NAME:	ELEV 50' GENERAL WITH TRAD-DIST.DWG
REV.	B
DATE	12/3/14
BY	CA
DATE	10/6/14
BY	CA
DATE	
BY	
DRAWING:	ROME CITY HALL-T2

**SCENERY #1-3**  
(V1000S POWERHEAD)

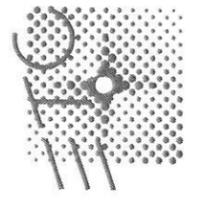


WIRE ROPE CHART		
CABLE DESIGNATION	DISTANCE FROM POWERHEAD FACE	DISTANCE FROM MOTOR END OF BATTEN
A	4'-4"	1'-6"
B	14'-4"	11'-6"
C	24'-4"	21'-6"
D	34'-4"	31'-6"

**NOTE:**  
MINIMUM OF 4'-0" DISTANCE BETWEEN POWERHEAD FACE AND 1ST LIFT LINE.

FRONT ELEVATION

**Electronic Theatre Controls Inc**  
 3031 Pleasant View Rd  
 PO Box 620979  
 Middleton WI 53562 0979  
 Tel 608 831 4116  
 Toll Free 800 688 4116  
 Fax 608 836 1736  
 www.etcconnect.com



UNLESS OTHERWISE SPECIFIED - ALL DIMENSIONS ARE IN INCHES.

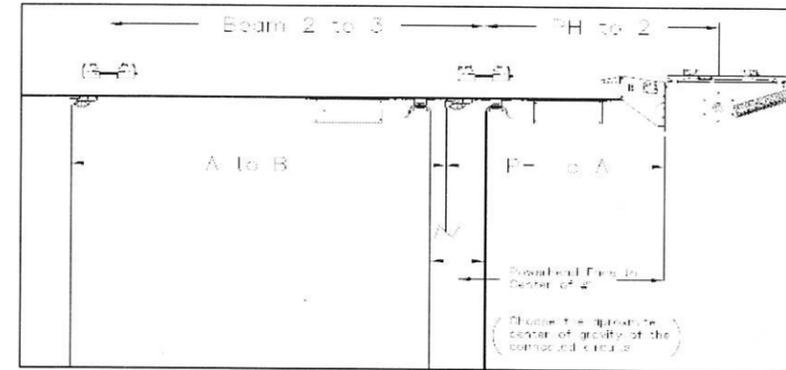
JOB:		ROME CITY HALL		FILE NAME:	ELEV 30' GENERAL
LOCATION:		ROME, GEORGIA		RIGHT V1000S.DWG	
CONTRACT WITH:		BARBIZON ATLANTA			
REPRESENTATIVE:					
TITLE:		SCENERY #1-3 RIGGING SYSTEM ELEVATION			
REVISION B	CA	12/5/14	BY	DATE	APPD.
SUBMITTAL	CA	10/6/14	BY	DATE	APPD.
DWG. STATUS					
DRAWING:	ROME CITY HALL-T3		REV.	B	



## Prodigy Load Calculator



Job Name: Rome City Hall	By: scs
Job Number:	Hoist Name: Scenery #1-3
Page Number: Rome City Hall -T3	Drawing Rev: A
Project Manager: Stu Schatz	Phone #: 608-824-5070



Hoist Model #	# of Lift Lines	# of LI Beam Clamps		
V10005	4	4		

Beam Clamp Spacing							
PH to 2	Beam 2 to 3	Beam 3 to 4	Beam 4 to 5				
10 ft	10 ft	10 ft	10 ft				
0 in	0 in	0 in	0 in				

Lift Line Spacing							
PH to A	A to B	B to C	C to D				
9 ft	9 ft	9 ft	9 ft				
10 in	8 in	8 in	8 in				

### ANSWERS

Beam Loading									
Beam 1	Beam 2	Beam 3	Beam 4	Beam 5					
494 lbs	316 lbs	356 lbs	357 lbs	337 lbs	lbs	lbs	lbs	lbs	lbs

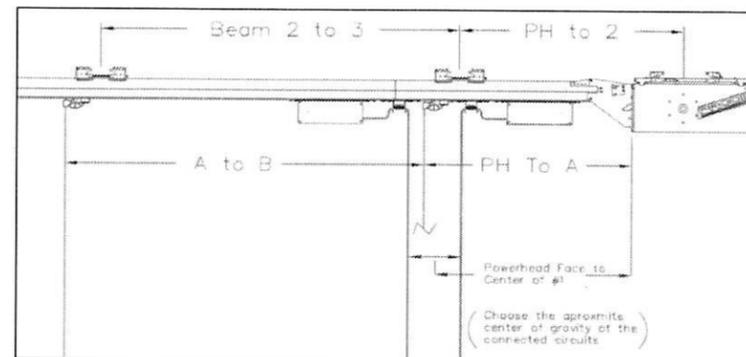
Lift Line Loading							
Line A	Line B	Line C	Line D				
300 lbs	300 lbs	300 lbs	300 lbs	lbs	lbs	lbs	lbs

The Hoist Model Number represents an estimation of Working Load Limit (WLL) and not the total lifting capacity of the hoist. The load values provided are pertinent to the specific beam clamp and powerhead clamp attachment points, installed as the LIL drawings indicate, on a per hoist basis and are calculated using the maximum lift capacity of the hoist plus the weight of the hoist components. Any changes in design or installation will alter the provided values and they will then need to be recalculated prior to installation. In all cases, it is recommended that a licensed structural engineer verify that the provided loads and intended hoist use are suitable for the designed building structure. This load calculator is only for use with Prodigy Hoists with Compression Tube. ETC is strictly a provider of the load information and does not assume responsibility for building load verification.

Prodigy Load Calculator



Job Name: Rome City Hall By: scs  
 Job Number: Hoist Name: Scenery #4-10  
 Page Number: Rome City Hall - T4 Drawing Rev: A  
 Project Manager: Stu Schatz Phone #: 608-824-5070



Hoist Model # 1300G # of Lift Lines 4 # of L1 Beam Clamps 4

[Empty input boxes for additional hoist parameters]

Beam Clamp Spacing

PH to 2	Beam 2 to 3	Beam 3 to 4	Beam 4 to 5					
10 ft 0 in	10 ft 0 in	10 ft 0 in	10 ft 0 in					

Lift Line Spacing

PH to A	A to B	B to C	C to D				
9 ft 10 in	9 ft 8 in	9 ft 8 in	9 ft 8 in				

ANSWERS

Beam Loading

Beam 1	Beam 2	Beam 3	Beam 4	Beam 5					
394 lbs	369 lbs	416 lbs	417 lbs	397 lbs	lbs	lbs	lbs	lbs	lbs

Lift Line Loading

Line A	Line B	Line C	Line D				
358 lbs	358 lbs	358 lbs	358 lbs	lbs	lbs	lbs	lbs

The Hoist Model Number represents an estimation of Working Load Limit (WLL) and not the total lifting capacity of the hoist. The load values provided are pertinent to the specific beam clamp and powerhead clamp attachment points, installed as the ETC drawings indicate, on a per hoist basis and are calculated using the maximum lift capacity of the hoist plus the weight of the hoist components. Any changes in design or installation will alter the provided values and they will then need to be recalculated prior to installation. In all cases, it is recommended that a licensed structural engineer verify that the provided loads and intended hoist use are suitable for the designed building structure. This load calculator is only for use with Prodigy Hoists with Compression Tube. ETC is strictly a provider of the load information and does not assume responsibility for building load verification.