

WSU - GATEWAY THEATER COMPLEX



HamiltonAnderson
architecture landscape architecture urban design



420 NORTH 5TH STREET, SUITE 100
MINNEAPOLIS, MINNESOTA 55401
TELEPHONE: 612.758.4000

Detroit, MI

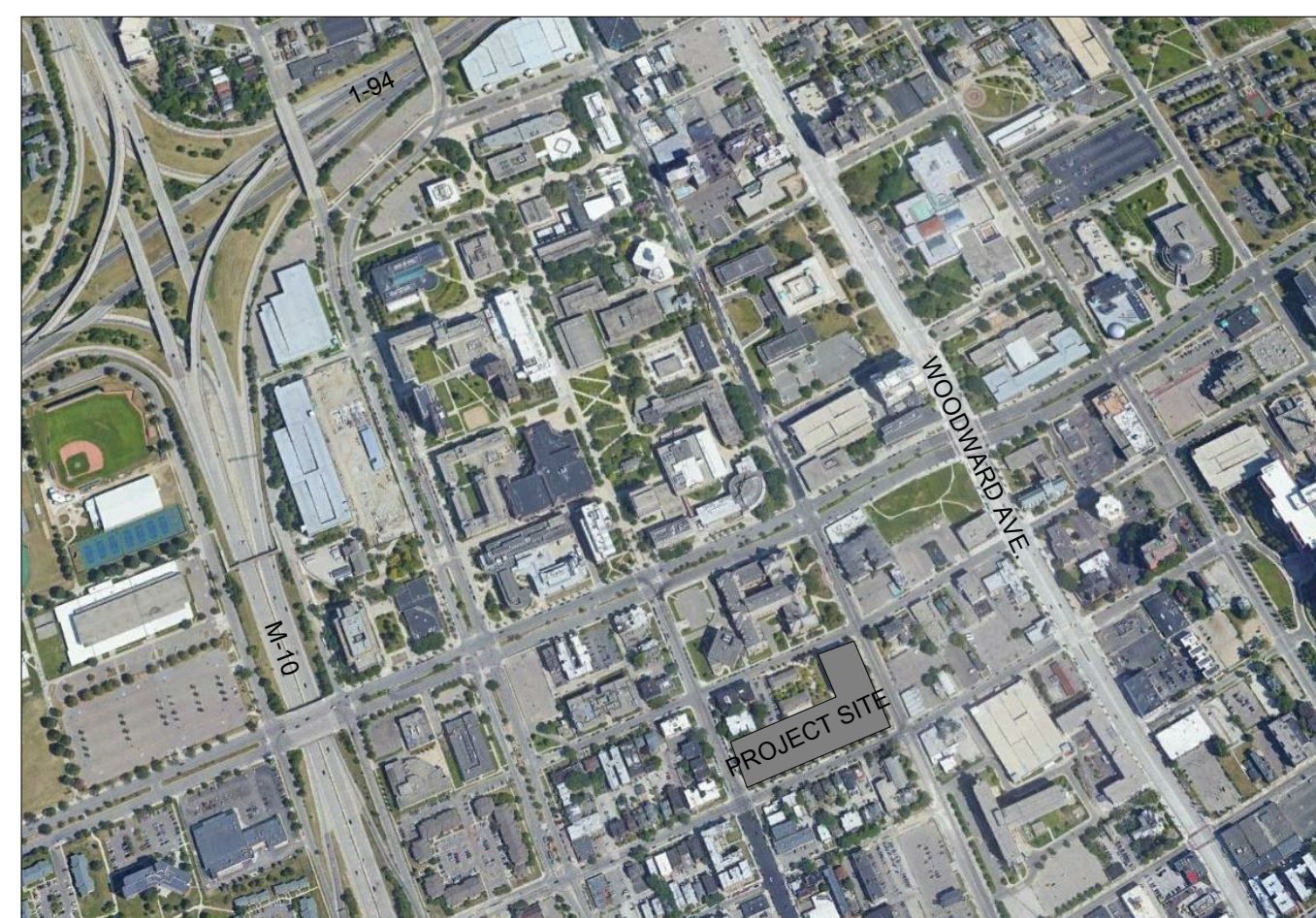
4715 CASS AVENUE & 4743 CASS AVENUE
WAYNE STATE PROJECT NO. 189-178578

HAMILTON ANDERSON PROJECT NO. 2016034.00

100% DESIGN DEVELOPMENT - FEB 06, 2019



LOCATION MAP:



SITE MAP:



PROJECT CONTACTS:

OWNER

Wayne State University FP&M
5454 Cass Ave.
Detroit, MI 48226
313.577.4310

EXECUTIVE ARCHITECT LANDSCAPE ARCHITECT

Hamilton Anderson Associates
1435 Randolph St., Suite 200
Detroit, MI 48226
313.887.6298
www.hamilton-anderson.com

CONTRACTOR

Walbridge
777 Woodward Ave. Suite 300
Detroit, MI 48226
313.963.8000
www.walbridge.com

STRUCTURAL ENGINEER

DESI / NASR Consulting Engineers
6765 Daly Road
West Bloomfield, MI 48322
248.392.2010
www.desainasr.com

DESIGN ARCHITECT MEP ENGINEER

HGA
420 5th Street N, Suite 100
Minneapolis, MN 55401
612.758.4000
www.hga.com

THEATRICAL / LIGHTING

Theatrical: Auerbach Pollock Friedlander
266 West 37th Street
New York, NY 10018
212.764.5630
Lighting: Auerbach Glasow
1045 Sansome Street, Suite 300
San Francisco, CA 94111
415.392.7528
www.auerbachconsultants.com

CIVIL ENGINEER

Spalding DeDecker
905 South Blvd East
Rochester Hills, MI 48307
800.598.1600
www.sda-eng.com

ACOUSTICS

Jaffe Holden
114-A Washington Street
Norwalk, CT 06864
203.838.4168
www.jaffeholden.com

Sheet Size: 30" x 42"
: Template Version:

MATERIAL IDENTIFICATION CODES

Table with columns: REV, SECTION, ABBREVIATION, DESCRIPTION. Rows include items like AIR & MOISTURE BARRIER, ACOUSTIC CEILING TILE, ALUMINUM-FRAMED GLAZING SYSTEMS, ACCESS PANELS, ARCHITECTURAL PRECAST CONCRETE, etc.

MATERIAL IDENTIFICATION CODES

Table with columns: REV, SECTION, ABBREVIATION, DESCRIPTION. Rows include items like CERAMIC TILE - WALL, CERAMIC TILE - BASE, CERAMIC TILE - ACCESSORIES, CERAMIC TILE - FLOOR, etc.

MATERIAL IDENTIFICATION CODES

Table with columns: REV, SECTION, ABBREVIATION, DESCRIPTION. Rows include items like METAL FURRING (Non-Structural), METAL RAILINGS, METAL STAIRS, METAL STUD FRAMING (Non-Structural), etc.

MATERIAL IDENTIFICATION CODES

Table with columns: REV, SECTION, ABBREVIATION, DESCRIPTION. Rows include items like Noise Barriers, Side-Rolling Panel Doors, SOUND-CONTROL WINDOW UNITS, SOAP DISPENSER, AUDIENCE SEATING, etc.

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Table with columns: Role, Name, Address, Phone. Lists project team members like Owner (Wayne State University), Contractor (Walbridge), Executive Architect (Hamilton Anderson), etc.

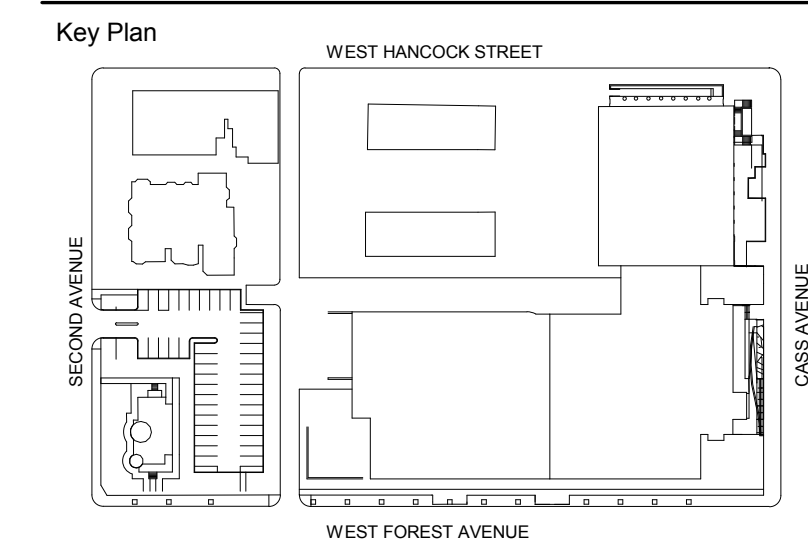


Table with columns: Item, Description, Quantity, Unit. Lists materials like Acoustic Curtains, Awnings, Brackets & Standards, etc.

100% DESIGN DEVELOPMENT FEB. 06, 2019

WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578
Drawing Title
MATERIAL IDENTIFICATION CODES

Project Number: 3995-001-00
Drawn by: Designer
Scale:
Seal:

Signature:
Drawing No:
CS.5

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BIM 360://NSU/Hillary Gateway/18-NSU/HSU/Hillary Gateway-399500100.rvt

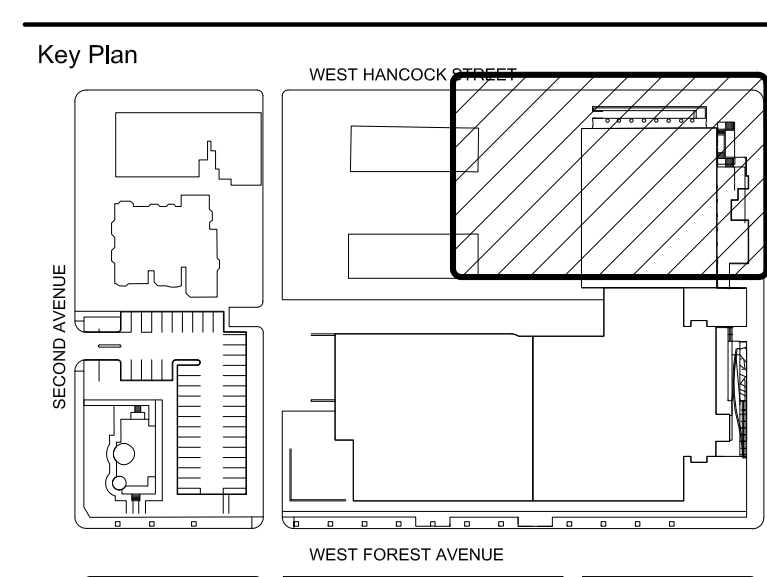
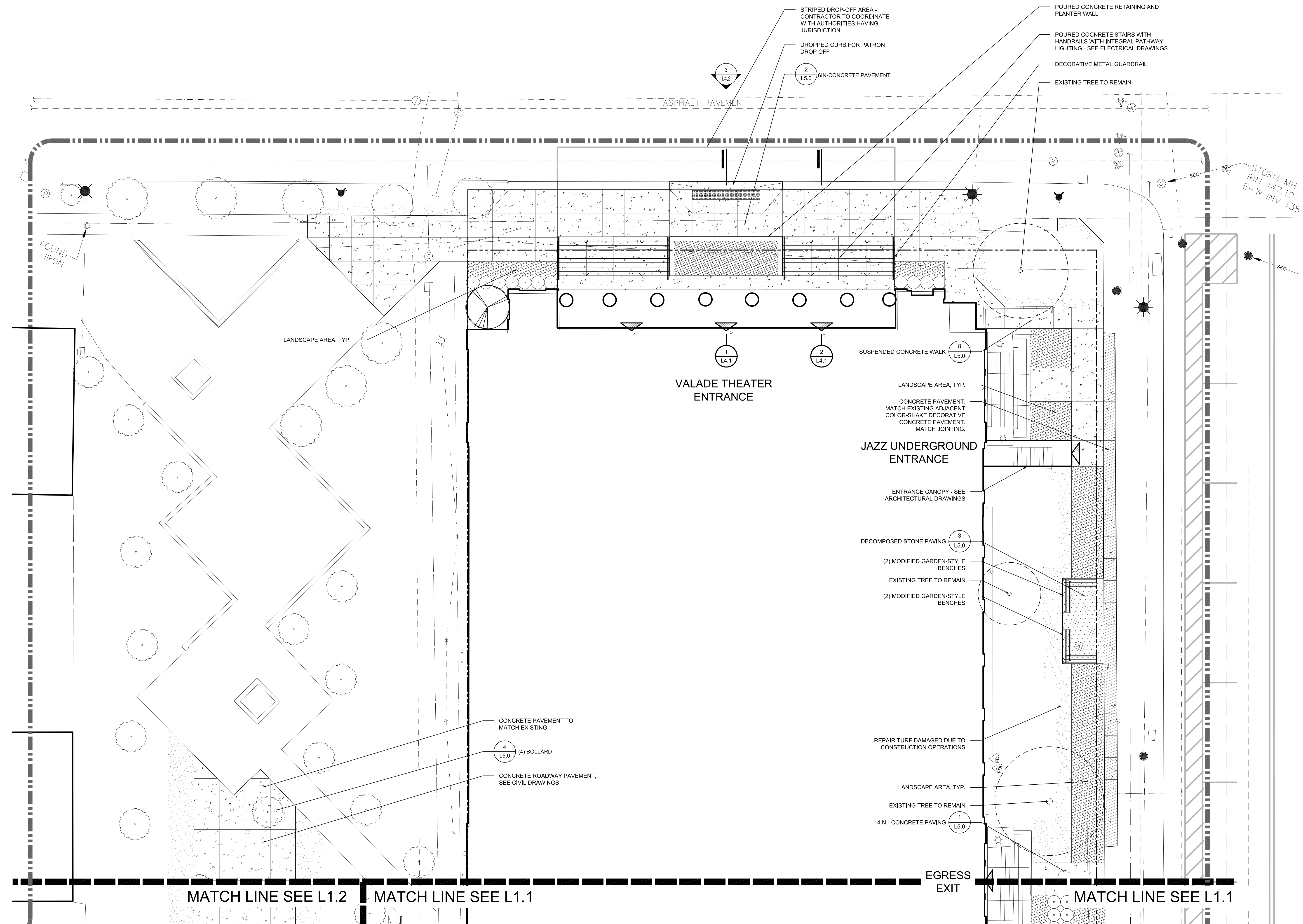
- Owner: Wayne State University FP&M
5454 Cass Ave
Detroit, MI 48202
313.577.2424
- Contractor: Walbridge
777 Woodward Ave, Suite 300
Detroit, MI 48202
313.963.8000
- Executive Architect: Hamilton Anderson
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313.964.0270
- Design Architect: HGA
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Minneapolis, MN 55401
612.758.4000
- MEP Engineer: HGA
420 5th Street N, Suite 100
Minneapolis, MN 55401
612.758.4000
- Structural Engineer: DESI / NASR Consulting Engineers
6765 Daly Road
West Bloomfield, MI 48322
248.392.2010
- Civil Engineer: Spalding DeDecker
905 South Blvd East
Rochester Hills, MI 48307
800.598.1600
- Landscape Architect: Hamilton Anderson
1435 Randolph Street, Suite 200
Detroit, MI 48226
313.964.0270
- Theatrical: Auerbach Pollock Friedlander
266 West 37th Street
New York, NY 10018
212.764.5630
- Lighting: Auerbach Glasco
1045 Sansome Street, Suite 300
San Francisco, CA 94111
415.392.7528
- Acoustics: Jaffe Holden
114-A Washington Street
Norwalk, CT 06864
203.838.4168

LEGEND

- PROJECT LIMITS
- MATCHLINE
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT - BROOM FINISH
- CONCRETE PAVEMENT - DECORATIVE FINISH
- CONCRETE PAVEMENT - MATCH EXISTING DECORATIVE FINISH
- STABILIZED DECOMPOSED STONE PAVING
- AGGREGATE GROUND COVER
- ORNAMENTAL METAL FENCING
- TREE GRATE
- TURF
- LANDSCAPE AREA
- EXISTING TREE TO REMAIN
- ORNAMENTAL TREE
- SHADE TREE

NOTES

1. LAYOUT DIMENSIONS ARE FROM THE BACK OF CURB UNLESS OTHERWISE STATED.



100% DESIGN DEVELOPMENT	FEB 6, 2019
50% DESIGN DEVELOPMENT	NOV 30, 2018

Project Number: 3995-001-00
 Drawing Title: **SITE MATERIALS PLAN - AREA A**

Project: WSU PROJECT NO. 189-178578
 Drawn By: GCR
 Scale: AS SHOWN
 Seal:

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Signature: _____
 Drawing No: _____



Know what's below.
Call before you dig.

L1.0

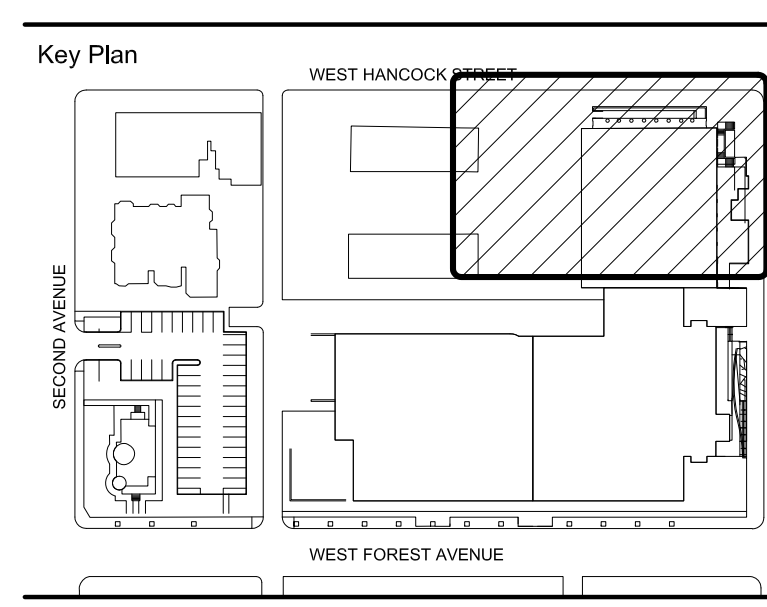
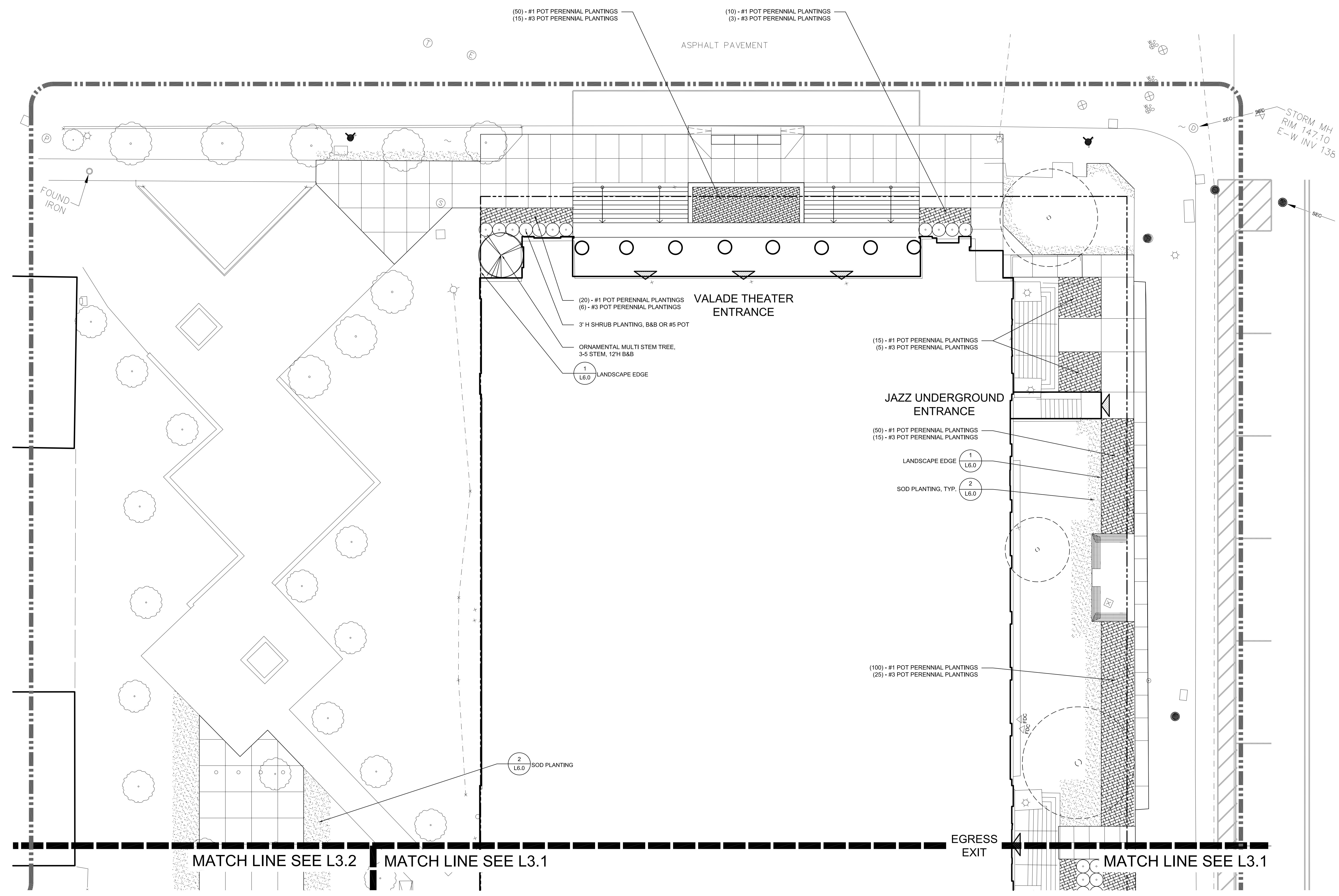
- Owner: Wayne State University FP&M
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313.577.2424
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313.963.8000
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Minneapolis, MN 55401
612.758.4000
- MEP Engineer: HGA
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612.758.4000
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New York, NY 10018
212.764.9530
- Lighting: Auerbach Glasco
1045 Sansome Street, Suite 300
San Francisco, CA 94111
415.392.7528
- Acoustics: Jaffe Holden
114-A Washington Street
Norwalk, CT 06864
203.838.4168

LEGEND

- PROJECT LIMITS
- MATCHLINE
- TURF
- LANDSCAPE
- DECIDUOUS SHRUB
- EVERGREEN SHRUB
- ORNAMENTAL TREE
- EVERGREEN TREE
- DECIDUOUS TREE
- CATCH BASIN
- MANHOLE
- LIGHT POLE & FOUNDATION
- FIRE HYDRANT

NOTES

1. REFER TO LANDSCAPE DETAILS FOR PLANT LIST



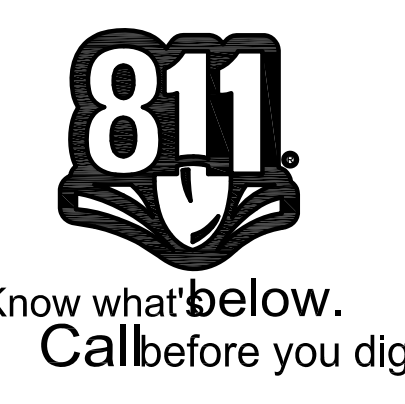
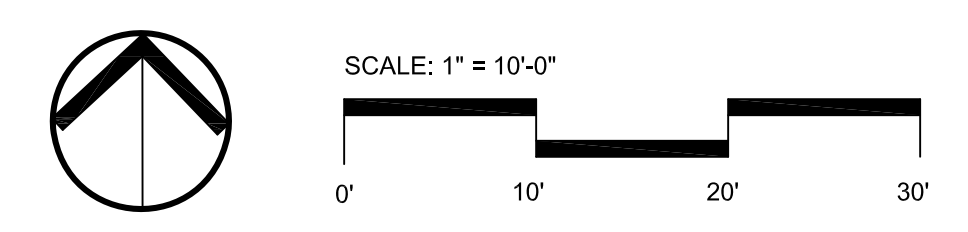
100% DESIGN DEVELOPMENT	FEB 6, 2019
50% DESIGN DEVELOPMENT	NOV 30, 2018

WSU PROJECT NO. 189-178578
Drawing Title
LANDSCAPE PLAN - AREA A

Project Number: 3995-001-00
Drawn By: GCR
Scale: AS SHOWN
Seal:

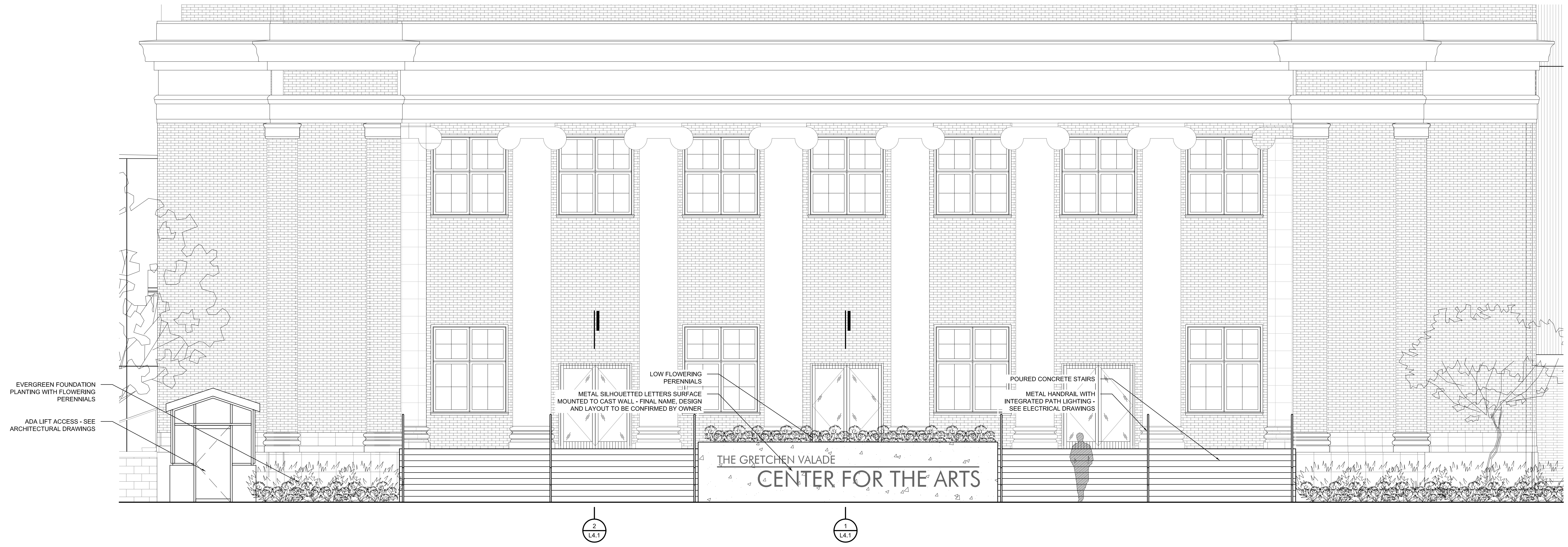
Signature: _____
Drawing No: _____

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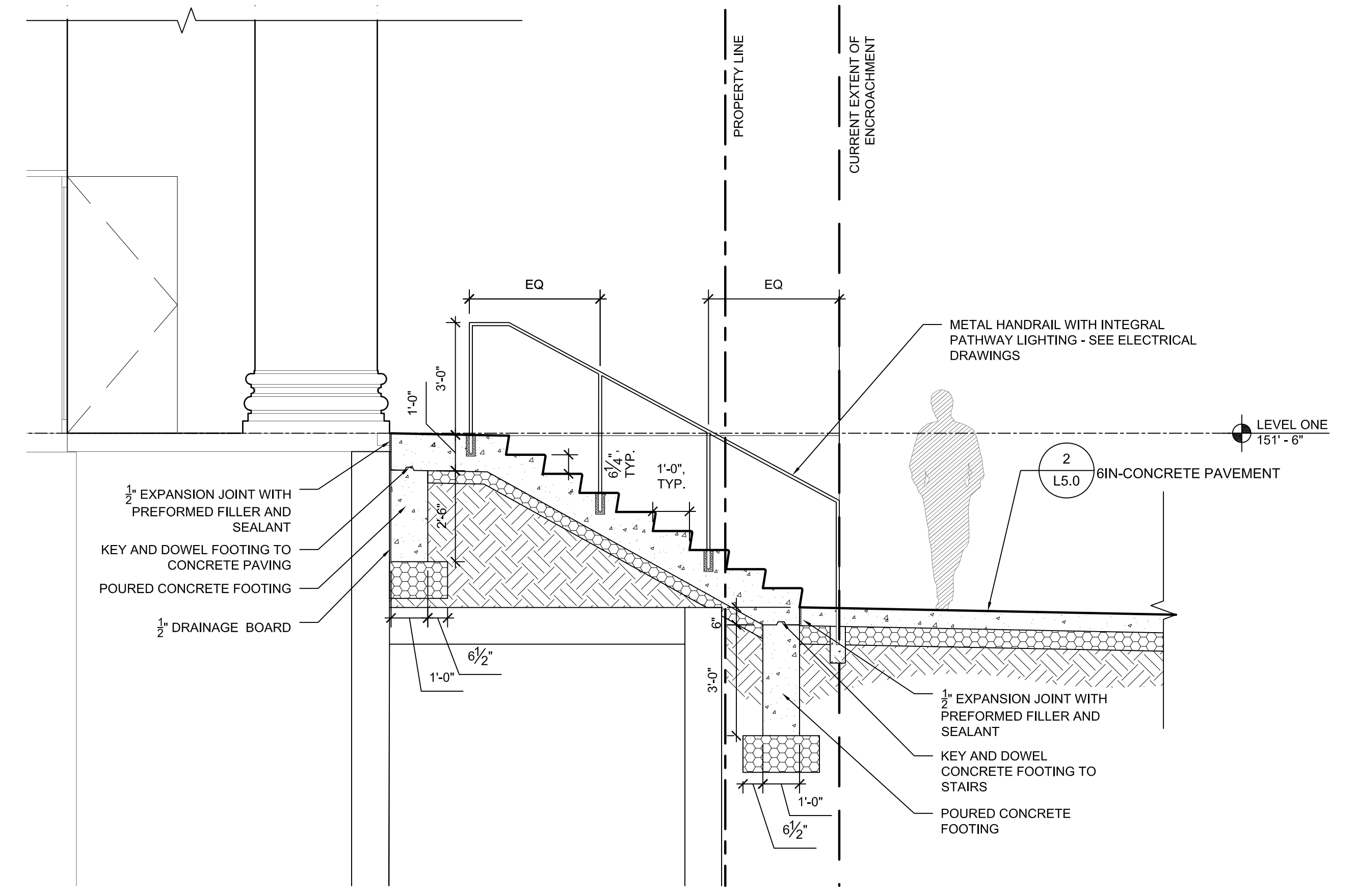


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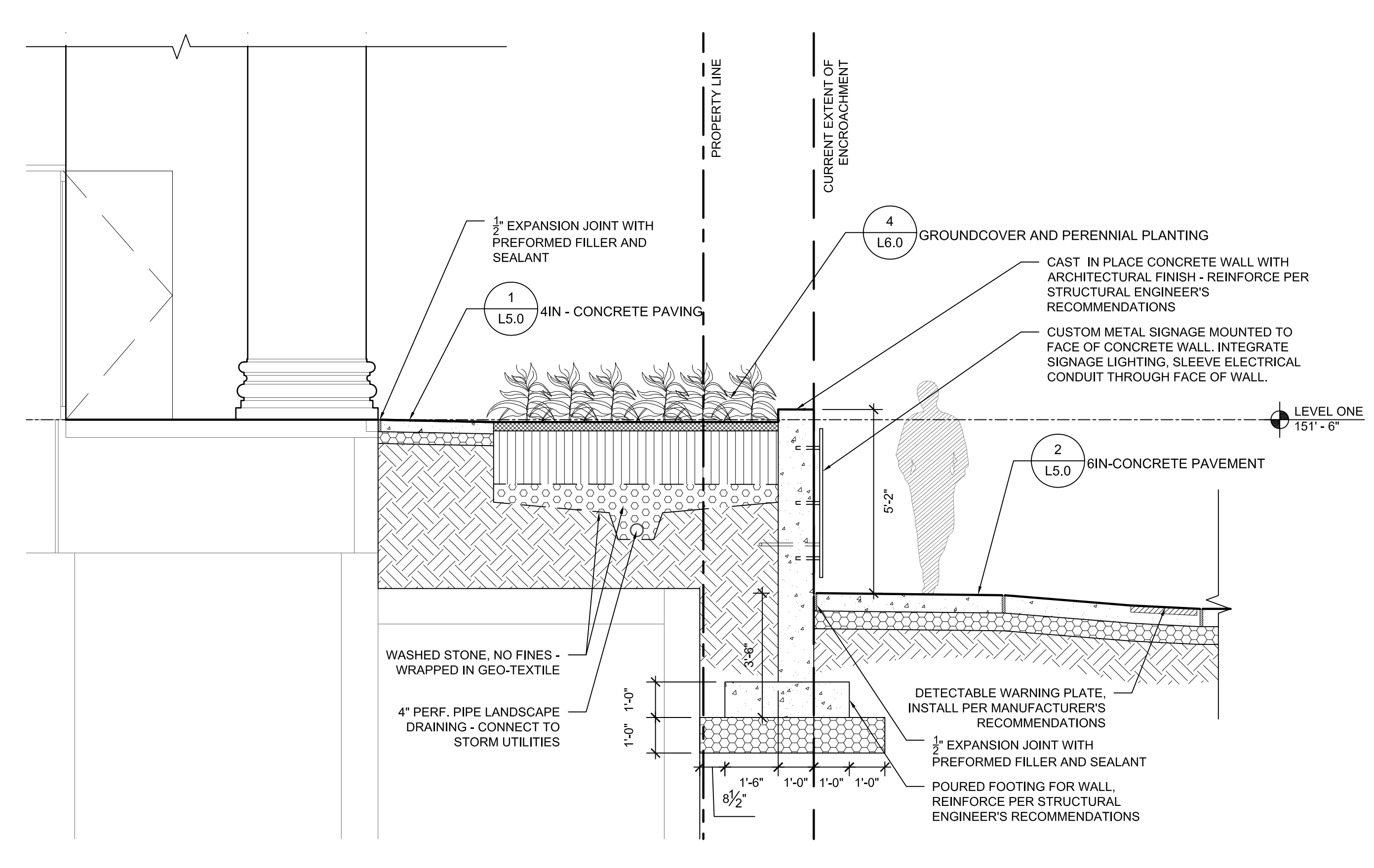
- Owner: Wayne State University FP&M
5454 Cass Ave
Detroit, MI 48202
313.577.2424
- Contractor: Walbridge
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Detroit, MI 48202
313.963.8000
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Minneapolis, MN 55401
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212.764.5630
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San Francisco, CA 94111
415.392.7528
- Acoustics: Jaffe Holden
114-A Washington Street
Norwalk, CT 06864
203.838.4168



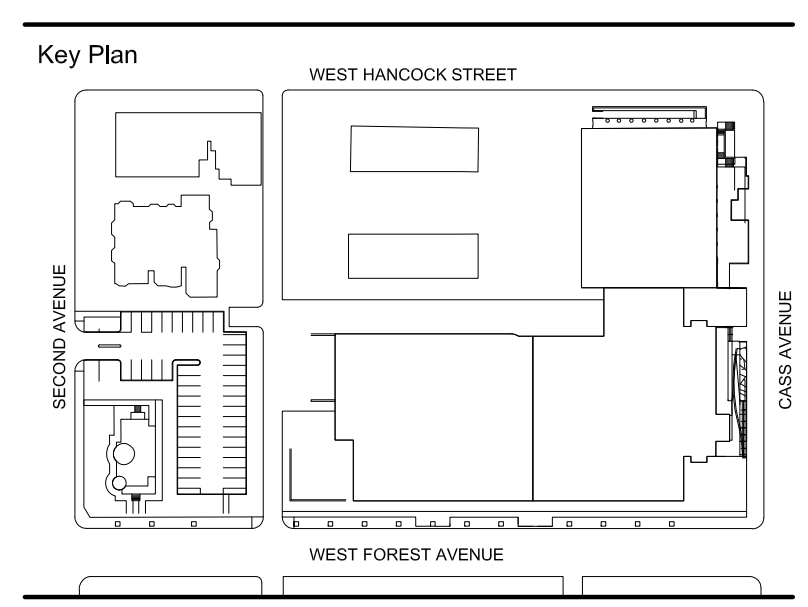
3 NORTH ELEVATION
SCALE: 1/4" = 1'-0"



2 VALADE SECTION 2
SCALE: 3/8" = 1'-0"



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



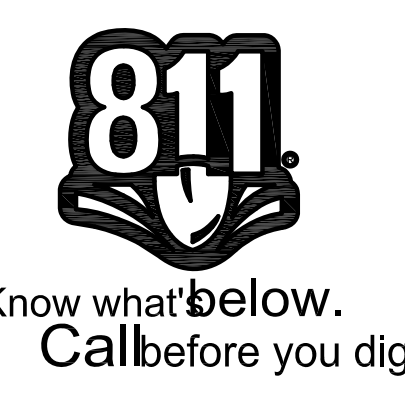
100% DESIGN DEVELOPMENT	FEB 6, 2019
Project	

WSU PROJECT NO. 189-178578
Drawing Title
SITE SECTIONS

Project Number: 3995-001-00
Drawn By: GCR
Scale: AS SHOWN
Seal:

FOR REFERENCE ONLY -
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Signature: _____
Drawing No: _____



L4.1

Owner
Wayne State University FP&M
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Structural Engineer
DESI / MASR Consulting Engineers
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West Bloomfield, MI 48322
248.392.2010

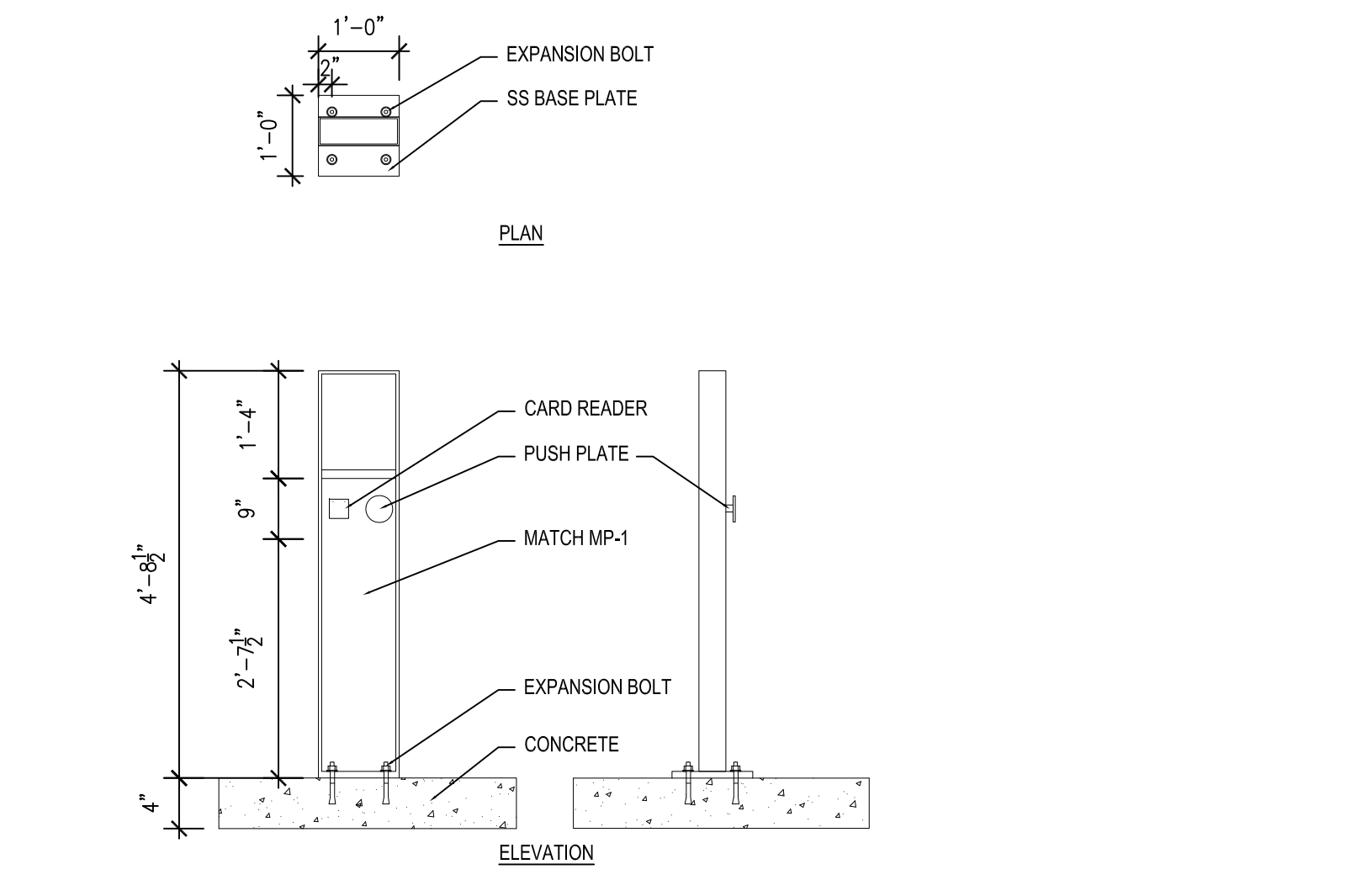
Civil Engineer
Spalding DeDecker
905 South Blvd East
Rochester Hills, MI 48307
800.598.1600

Landscape Architect
Hamilton Anderson
1435 Randolph Street, Suite 200
Detroit, MI 48226
313.964.0270

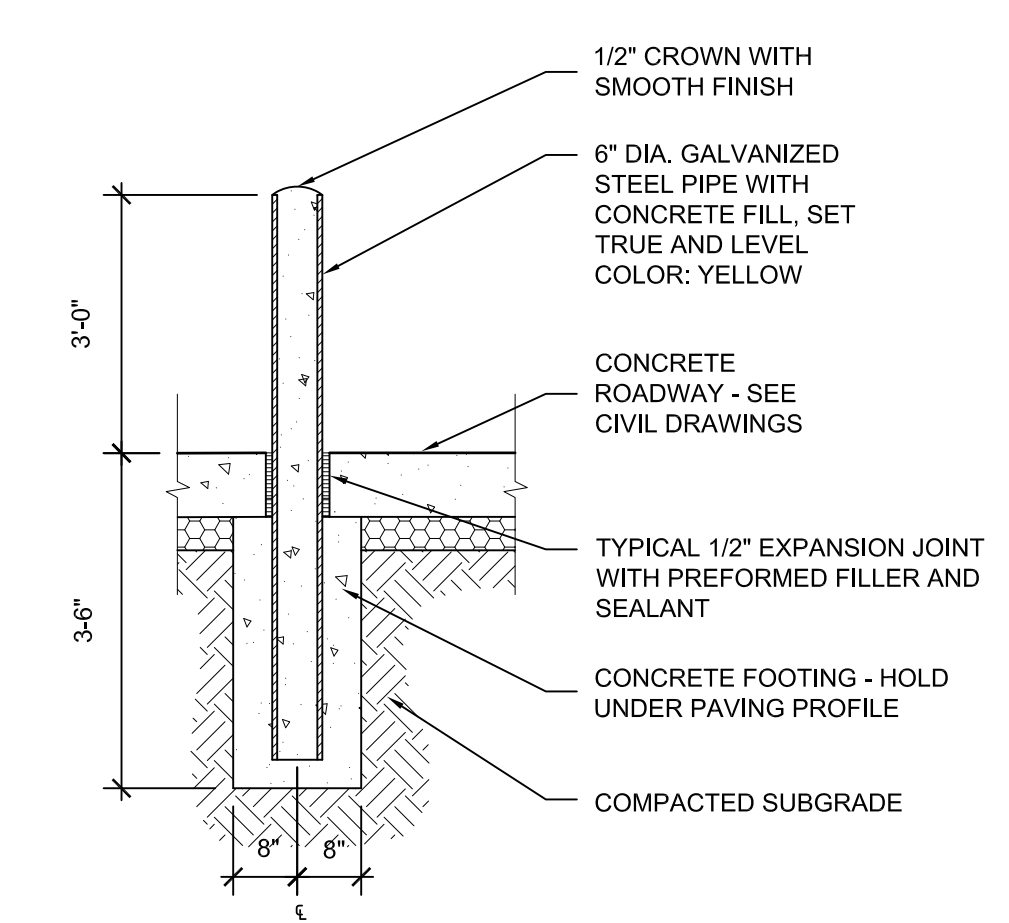
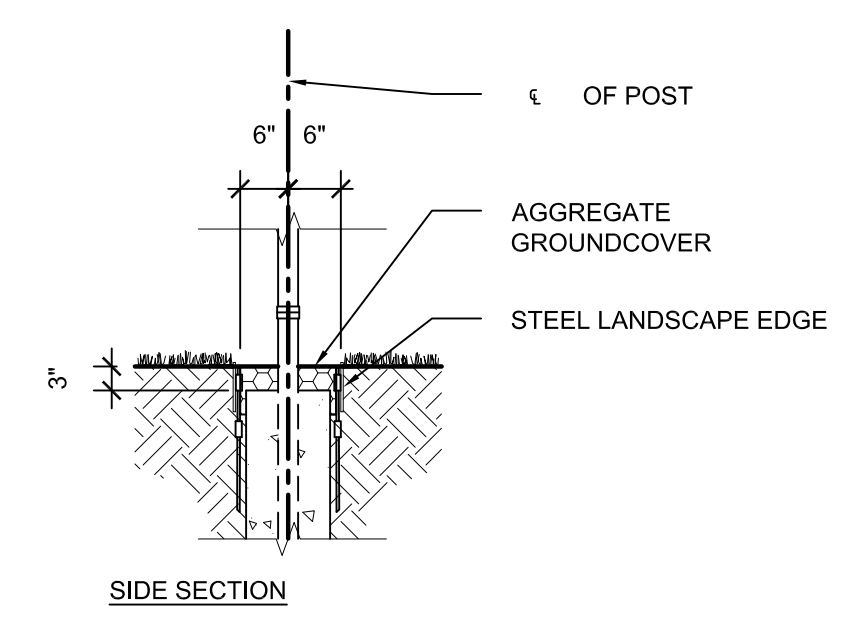
Theatrical
Auerbach Pollock Friedlander
286 West 37th Street
New York, NY 10018
212.764.5630

Lighting
Auerbach Glasgow
1045 Sansome Street, Suite 300
San Francisco, CA 94111
415.392.7528

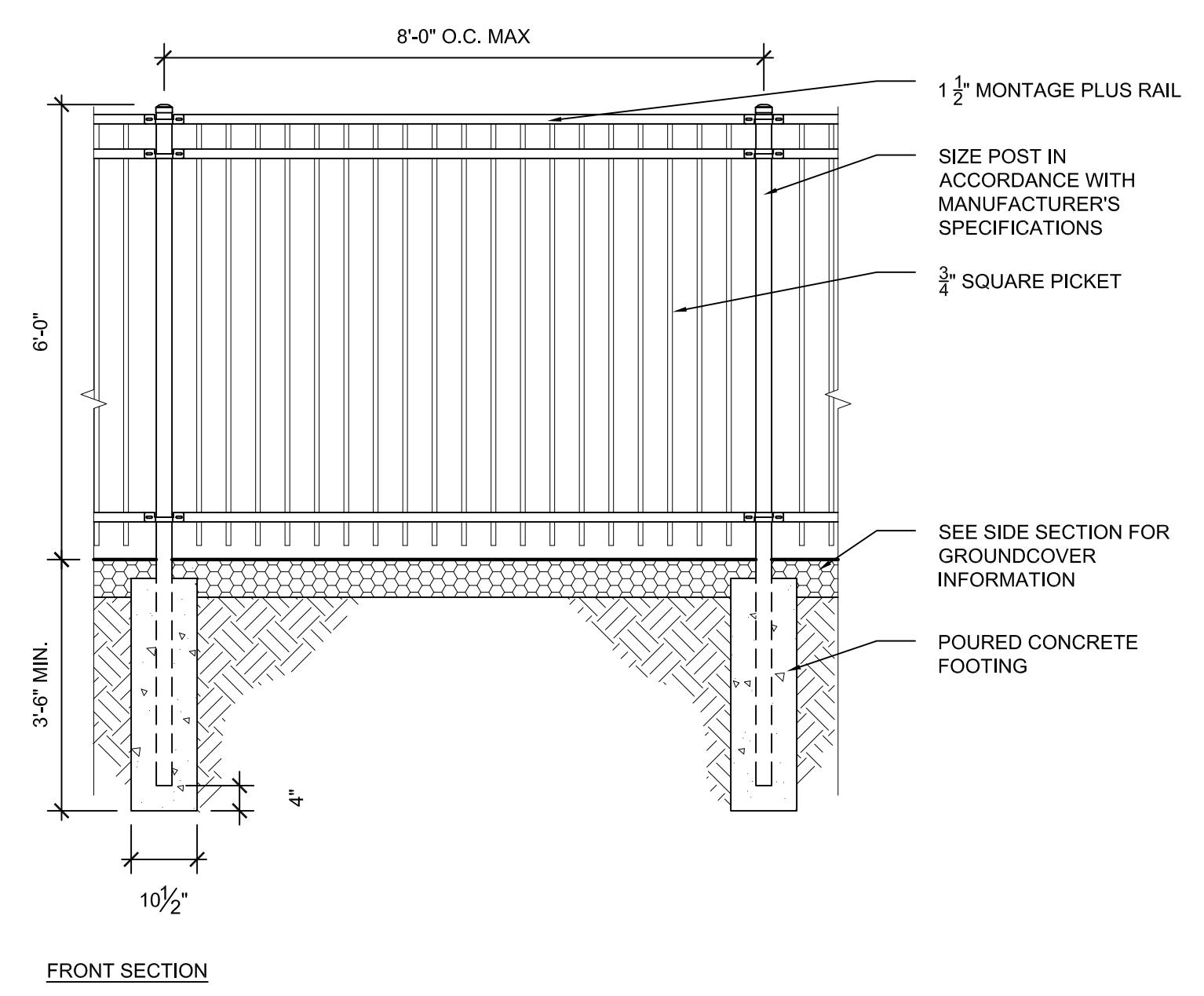
Acoustics
Jaffe Holden
114-A Washington Street
Norwalk, CT 06864
203.838.4168



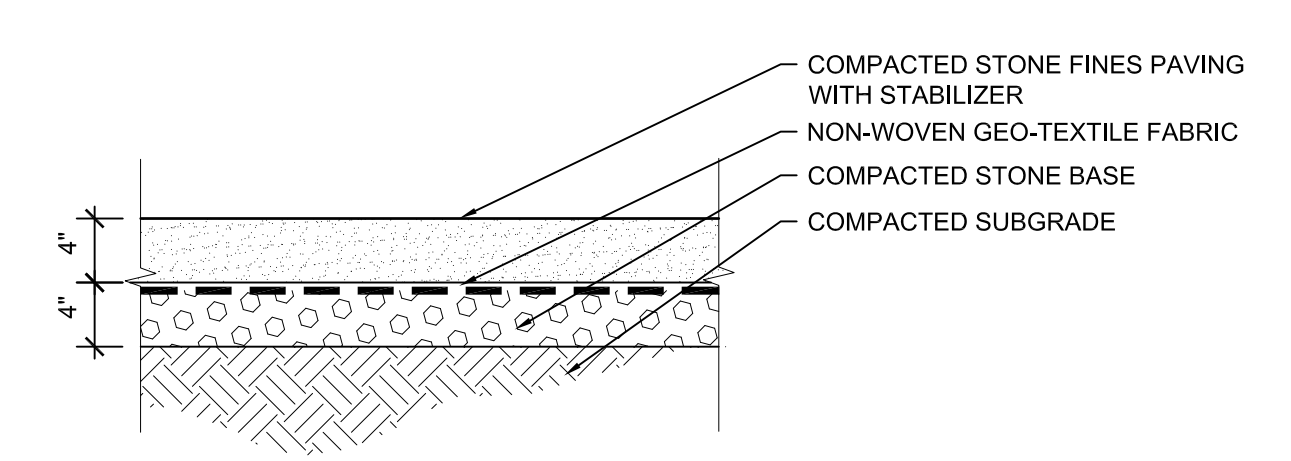
7 ADA DOOR PADDLE
SCALE: 1/2" = 1'-0"



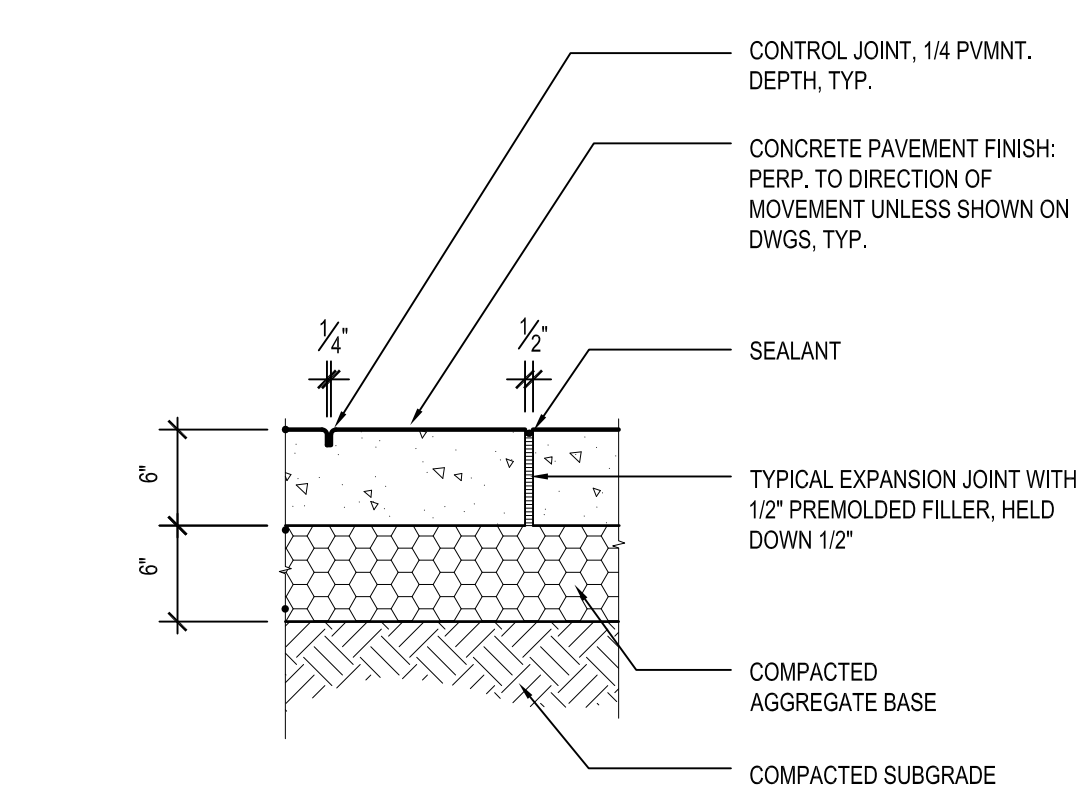
4 BOLLARD
SCALE: 1/2" = 1'-0"



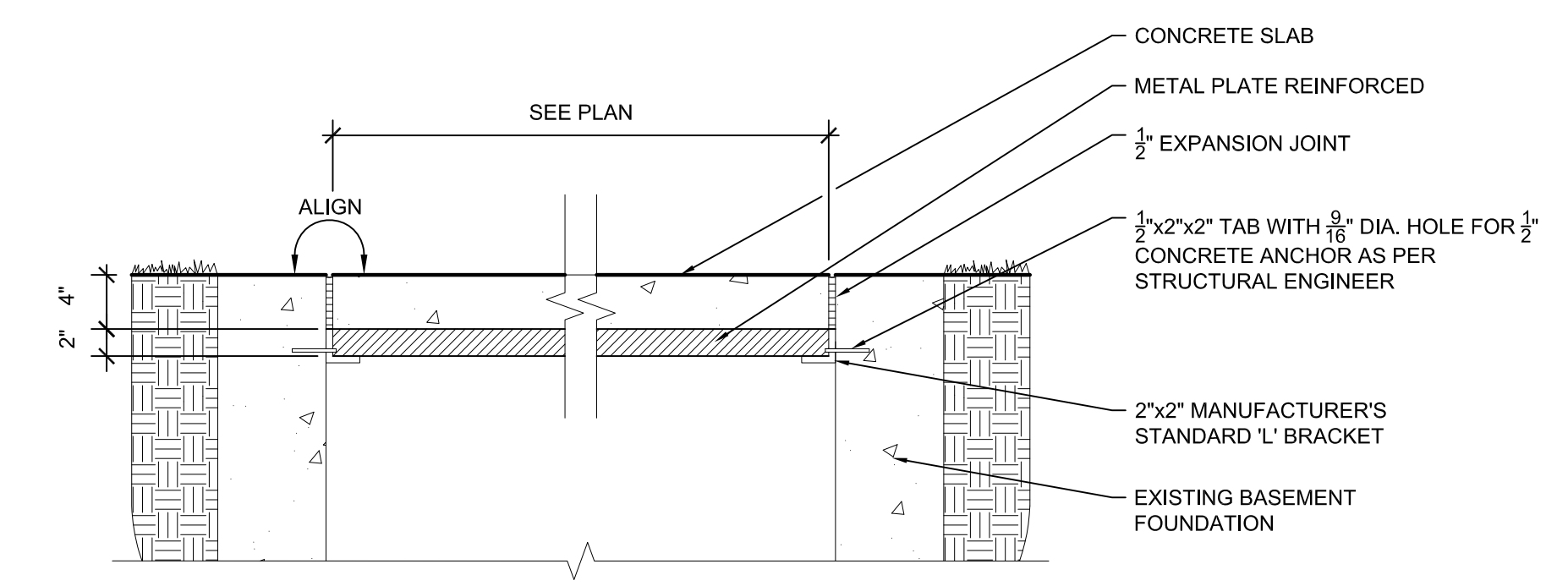
6 METAL ORNAMENTAL FENCE
SCALE: 1/2" = 1'-0"



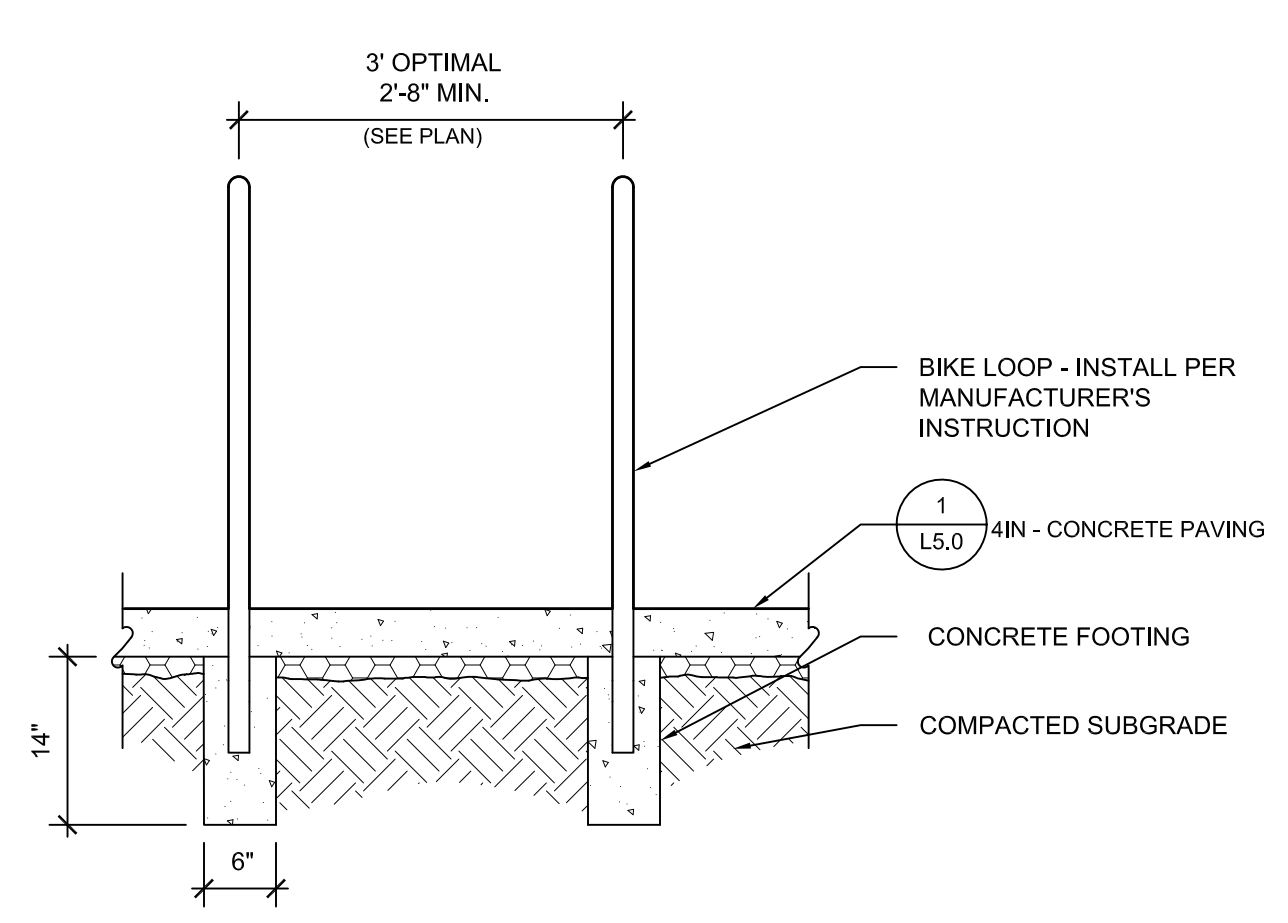
3 DECOMPOSED STONE PAVING
SCALE: 1" = 1'-0"



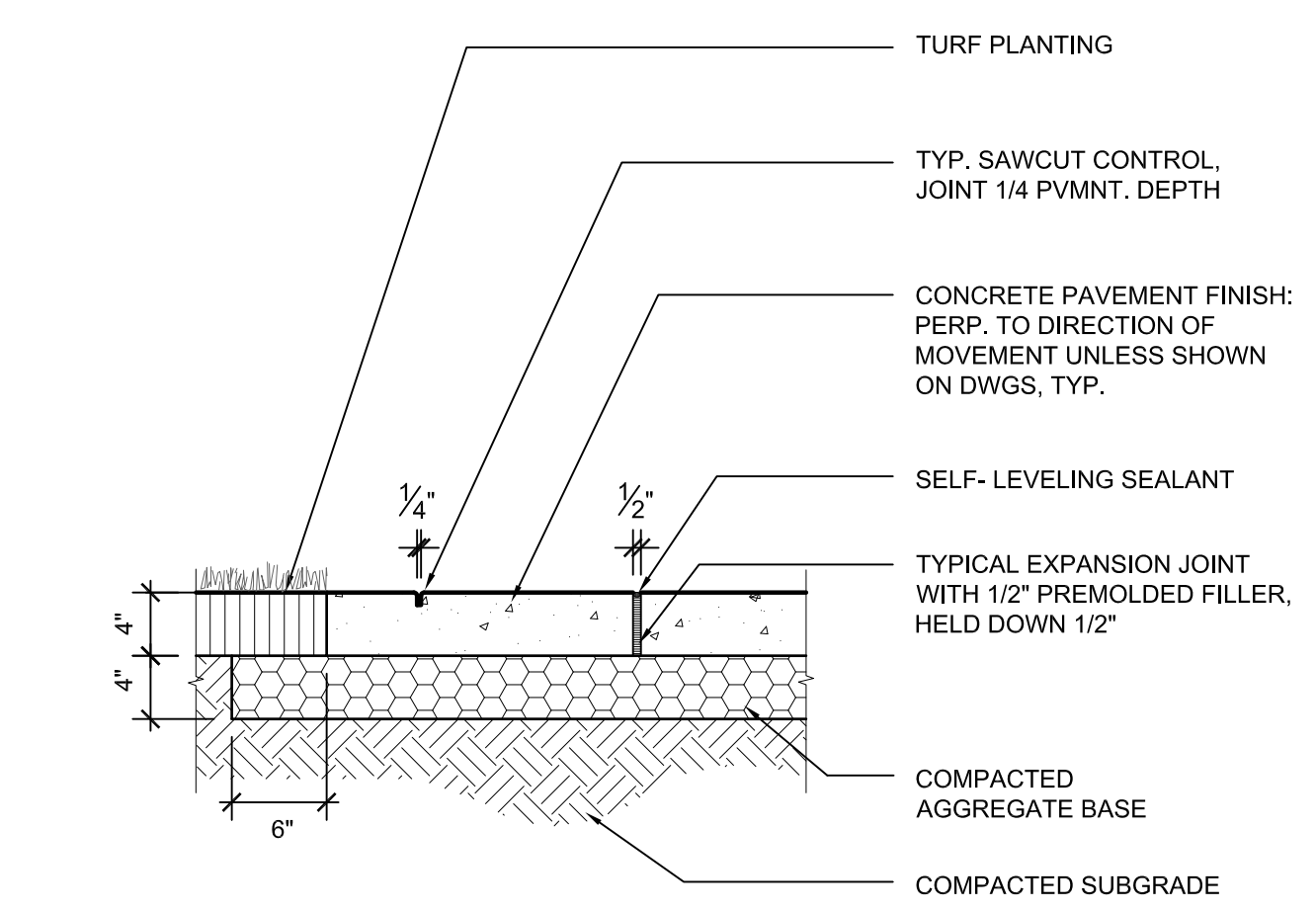
2 6IN-CONCRETE PAVEMENT
SCALE: 1" = 1'-0"



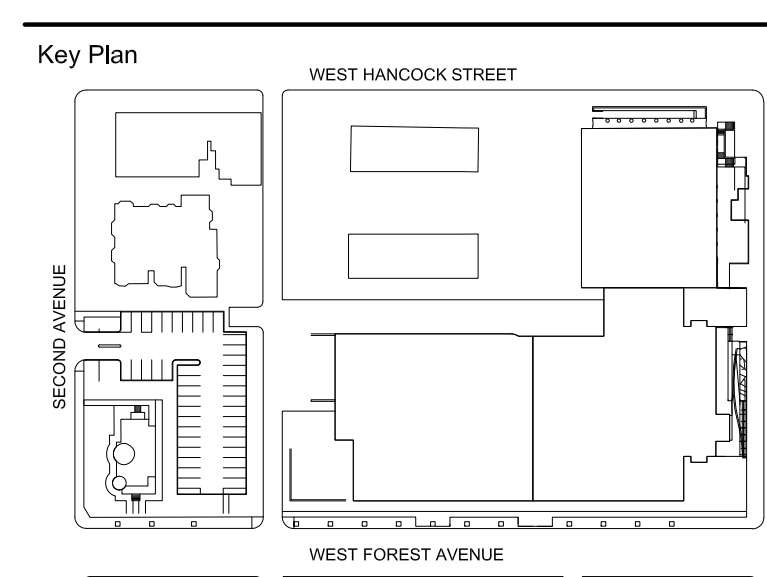
8 SUSPENDED CONCRETE WALK
SCALE: 1" = 1'-0"



5 BIKE LOOP
SCALE: 3/4" = 1'-0"



1 4IN - CONCRETE PAVING
SCALE: 1" = 1'-0"



100% DESIGN DEVELOPMENT	FEB 6, 2019
Project	

WSU PROJECT NO. 189-178578
Drawing Title
SITE DETAILS

Project Number: 3995-001-00
Drawn By: GCR
Scale: AS SHOWN
Seal:

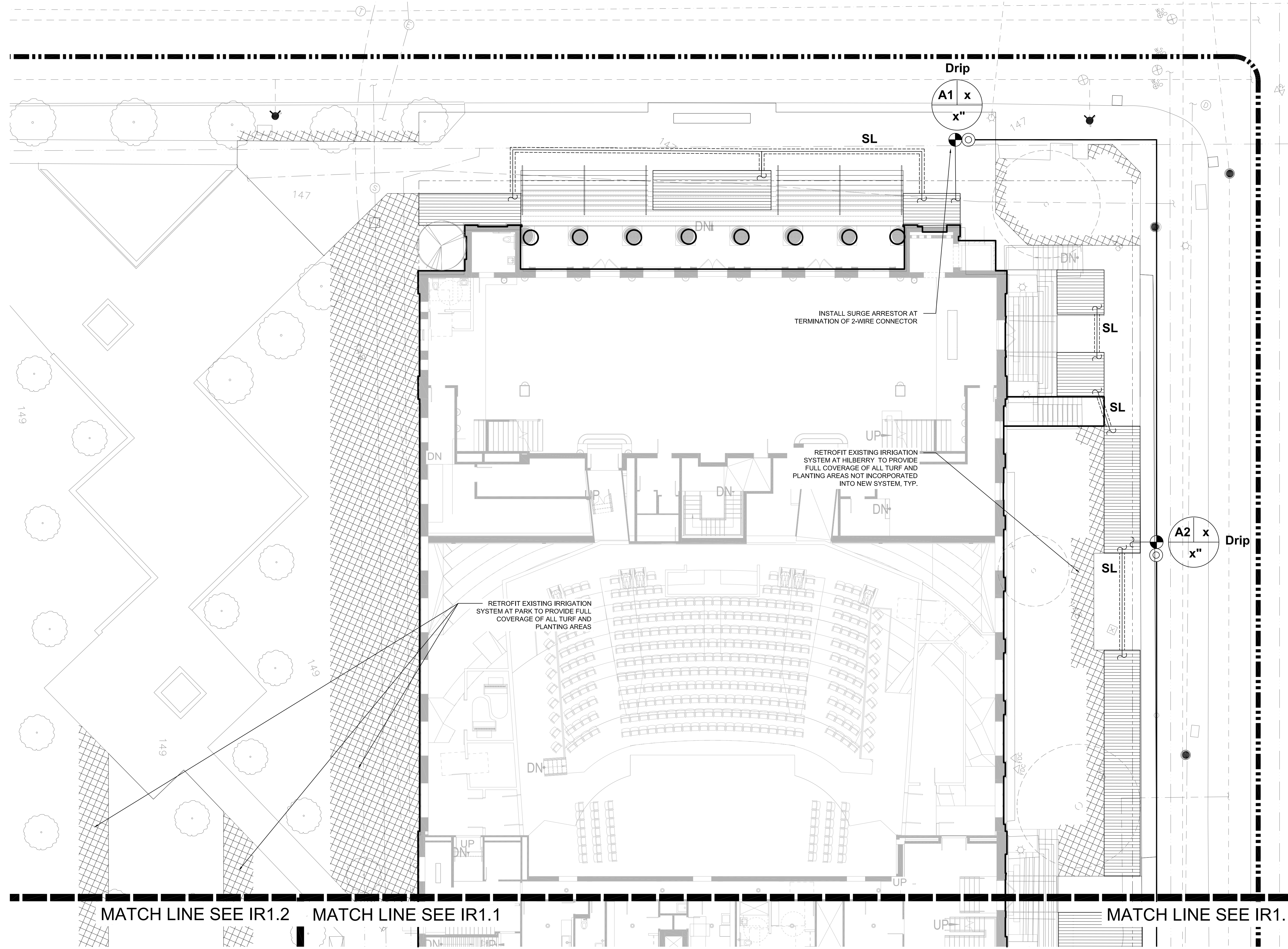
Signature:
Drawing No:



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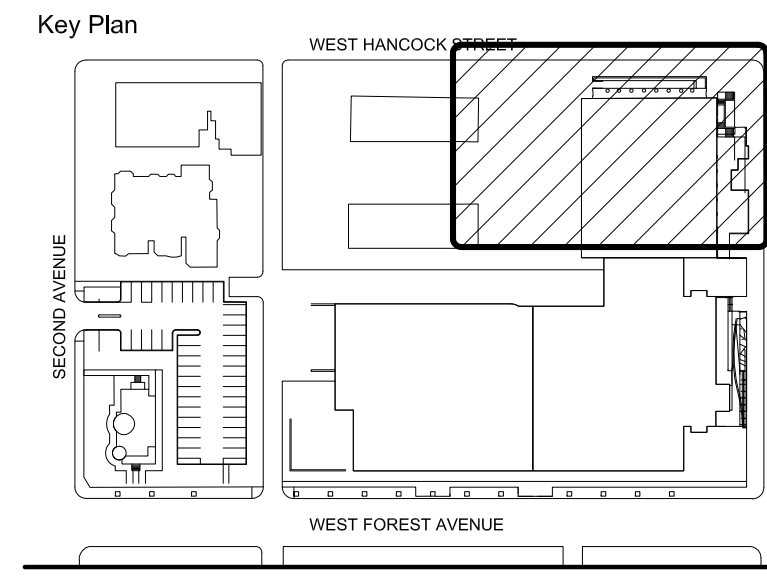
FOR REFERENCE ONLY - NOT FOR CONSTRUCTION



IRRIGATION LEGEND

	CONTROLLER A (2-WIRE) RAINBIRD ESP-LXD, 50 STATION BASE FLOW SMART MODULE
	CONTROLLER B (SOLENOID) RAINBIRD ESP-LXD, 50 STATION BASE WITH FLOW SMART MODULE.
(not shown)	RAIN SENSOR RAINBIRD (ALLOW FOR 5)
(not shown)	FLOW METER RAINBIRD WR2-RFC (ALLOW FOR 3)
	MANUAL VALVE
	QUICK COUPLING VALVE RAINBIRD 5RC
	AUTOMATIC CONTROL VALVE SPRAY - RAINBIRD PEB SERIES PROVIDE 2-WIRE DECODERS AT 'A' VALVES AND SOLENOID AT 'B' VALVES
	AUTOMATIC CONTROL VALVE DRIP - RAINBIRD CONTROL ZONE KIT W/ FILTER AND PRESSURE REGULATOR PROVIDE 2-WIRE DECODERS AT 'A' VALVES AND SOLENOID AT 'B' VALVES
	RADIUS SPRAY NOZZLE RAINBIRD MPR NOZZLES SERIES AS REQUIRED FOR 100% HEAD-TO-HEAD COVERAGE.
	DRIP ZONE RAINBIRD - INSTALL INDICATOR STAKE AND FLUSH VALVE AT EACH DRIP ZONES
	RETROFIT EXISTING IRRIGATION SYSTEM AROUND HILBERRY THEATER AND PARK AS REQUIRED TO PROVIDE 100% COVERAGE OF ALL TURF AND PLANTING AREAS NOT INCORPORATED INTO NEW SYSTEM
	TIMER DESIGNATION
	GPM
	VALVE SIZE
Type	
	LATERAL PIPE, 1" SIZE
	MAINLINE PIPE, 1.5" SIZE
	SLEEVE, SIZE AS SHOWN
SL x"	

Owner	Wayne State University FP&M 5454 Cass Ave Detroit, MI 48202 313.577.2424
Contractor	Walbridge 777 Woodward Ave, Suite 300 Detroit, MI 48202 313.963.8000
Executive Architect	Hamilton Anderson 1435 Randolph Street, Suite 200 Detroit, MI 48226 313.964.0270
Design Architect	HGA 420 5th Street N, Suite 100 Minneapolis, MN 55401 612.758.4000
MEP Engineer	HGA 420 5th Street N, Suite 100 Minneapolis, MN 55401 612.758.4000
Structural Engineer	DESI / NASR Consulting Engineers 6765 Daly Road West Bloomfield, MI 48322 248.392.2010
Civil Engineer	Spalding DeDecker 905 South Blvd East Rochester Hills, MI 48307 800.598.1600
Landscape Architect	Hamilton Anderson 1435 Randolph Street, Suite 200 Detroit, MI 48226 313.964.0270
Theatrical	Auerbach Pollock Friedlander 266 West 37th Street New York, NY 10018 212.764.9630
Lighting	Auerbach Glasgow 1045 Sansome Street, Suite 300 San Francisco, CA 94111 415.392.7528
Acoustics	Jaffe Holden 114-A Washington Street Norwalk, CT 06864 203.838.4168



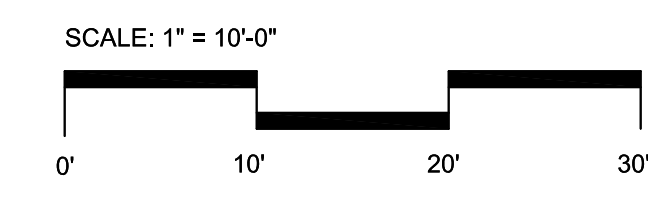
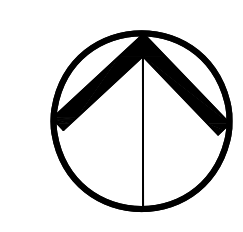
100% DESIGN DEVELOPMENT FEB 6, 2019

WSU PROJECT NO. 189-178578
Drawing Title
IRRIGATION PLAN - AREA A

Project Number: 3995-001-00
Drawn By: GCR
Scale: AS SHOWN
Seal:

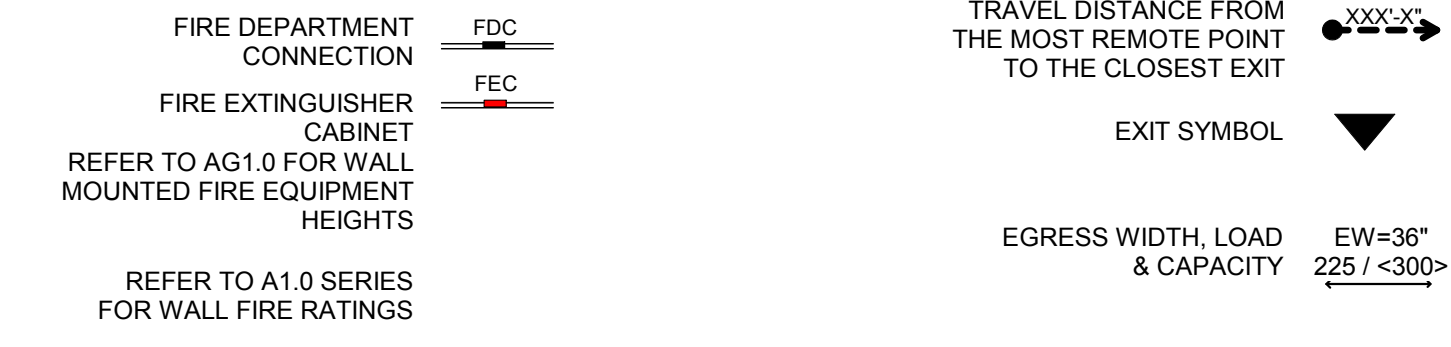
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Drawing No: _____



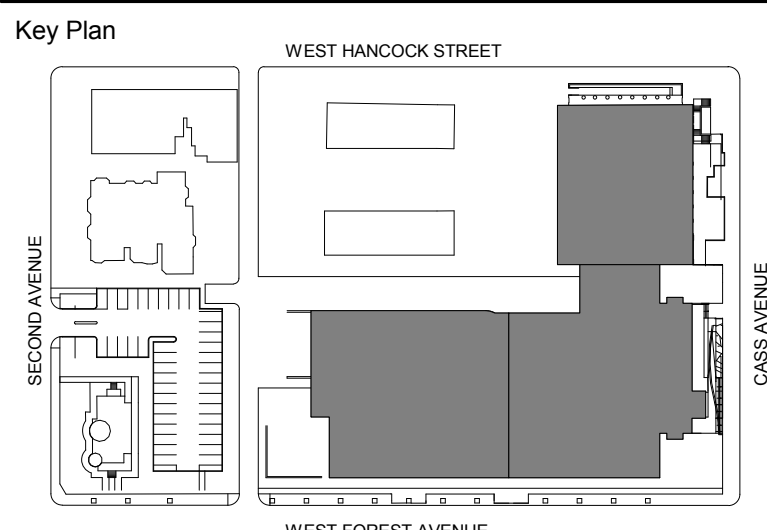
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LIFE SAFETY PLAN LEGEND



- Owner: Wayne State University FP&M
 5454 Cass Ave
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 313.577.2424
- Contractor: Walbridge
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 800.598.1600
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- Theatrical: Auerbach Pollock Friedlander
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 212.764.5630
- Lighting: Auerbach Glasow
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 San Francisco, CA 94111
 415.392.7528
- Acoustics / AV: Jaffe Holden
 114-A Washington Street
 Norwalk, CT 06864
 203.838.4188

Detroit, MI



100% DESIGN DEVELOPMENT FEB. 06, 2019

Project
WSU - GATEWAY THEATER COMPLEX
 Drawing Title
LOWER LEVEL LIFE SAFETY PLAN

WSU PROJECT NO. 189-178578

Project Number: 3995-001-00

Drawn By: Designer

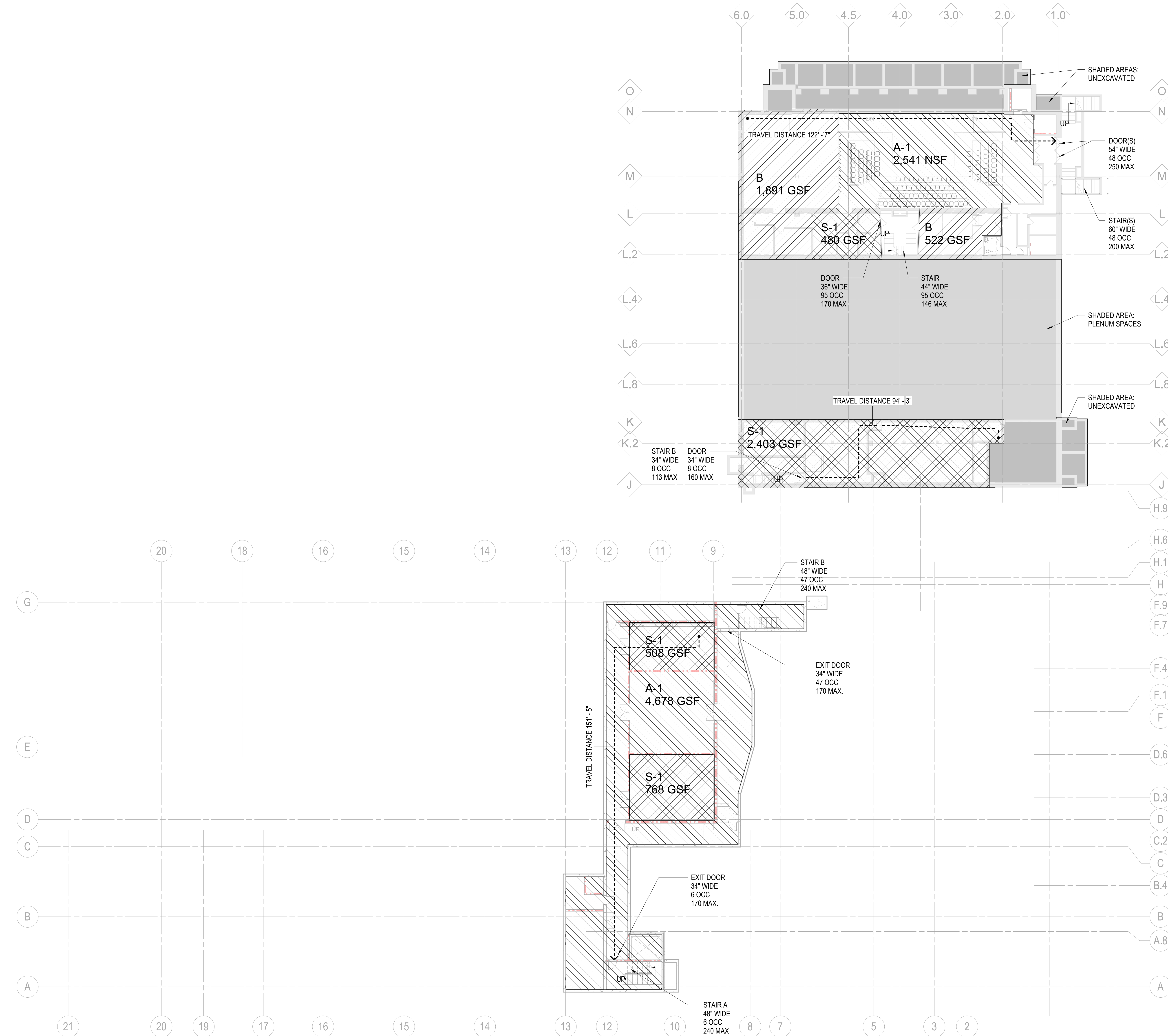
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Seal:

Signature:

Drawing No:

AG.1.0



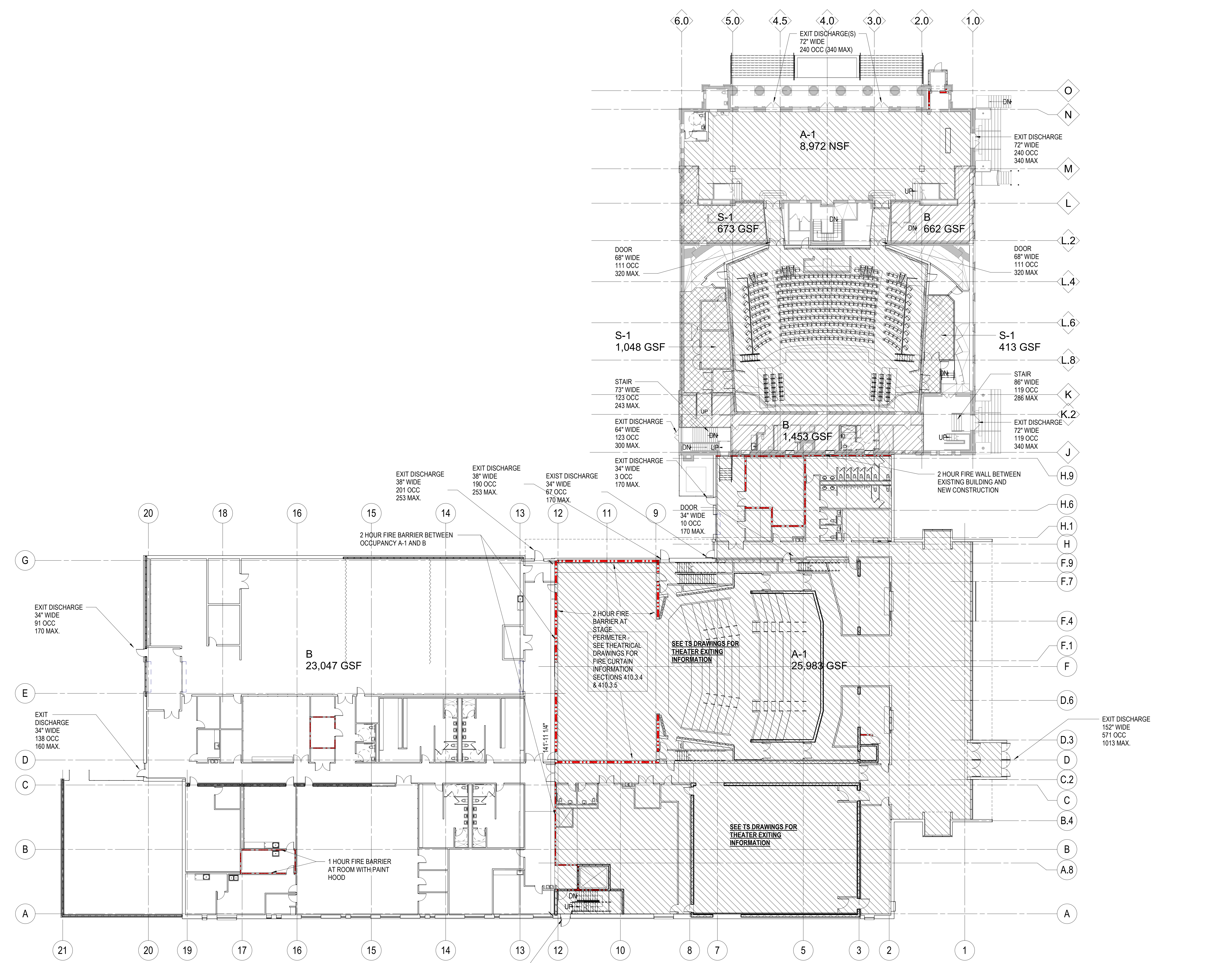
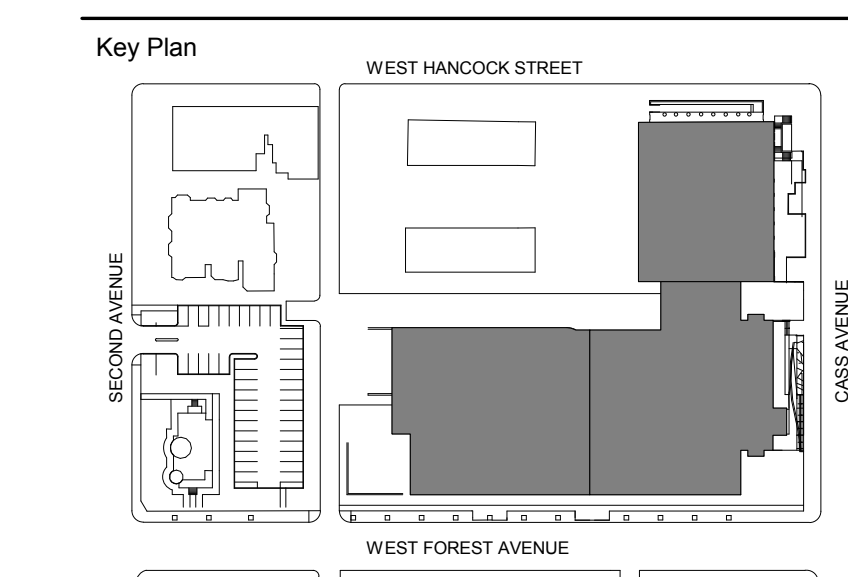
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LIFE SAFETY PLAN LEGEND



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Acoustics / AV	Jaffe Holden 114-A Washington Street Norwalk, CT 06864 203.836.4168

DETROIT, MI



LEVEL ONE - LIFE SAFETY
 1/16" = 1'-0"

100% DESIGN DEVELOPMENT FEB. 06, 2019

WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
LEVEL ONE LIFE SAFETY PLAN

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: As indicated
 Seal:

Signature: _____
 Drawing No:

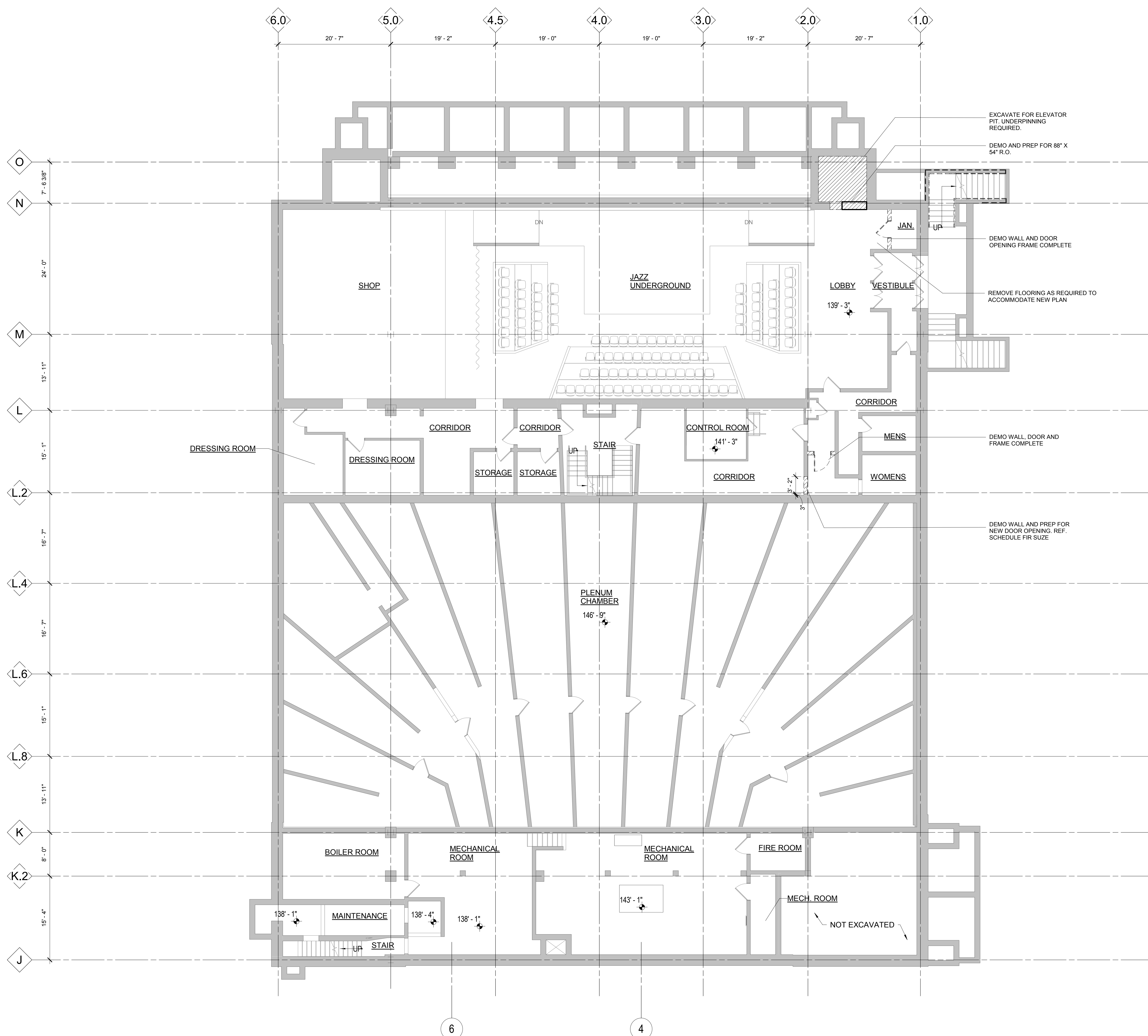
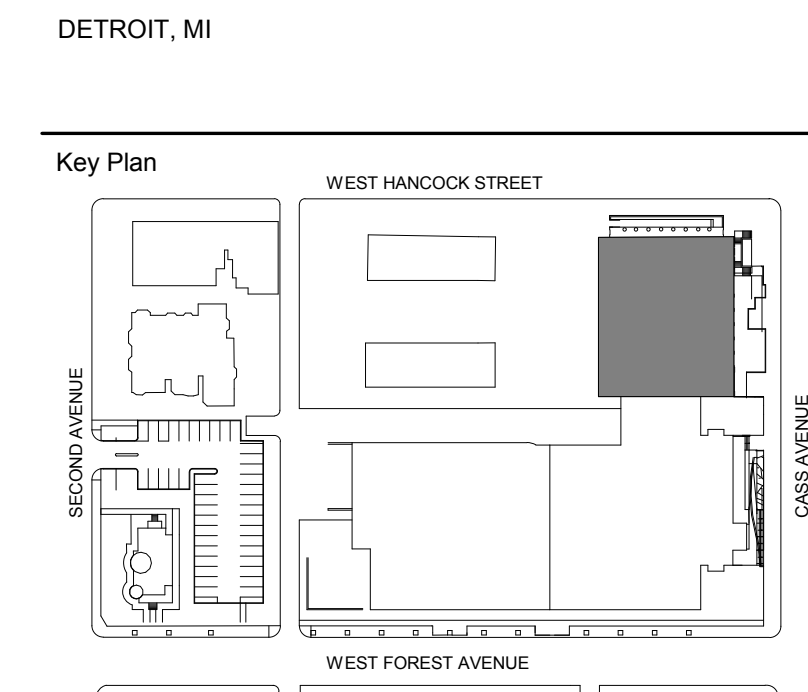
AG.1.1

FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

DEMOLITION NOTES

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- CONTRACTOR IS TO PROVIDE COMPLETE DUST PROOF ENCLOSURE IN ALL AREAS WHERE DEMOLITION IS TO OCCUR.
- FLOORS: REMOVE ALL DEBRIS, DUST AND DIRT, CLEAN WITH WATER AND DETERGENT. WHERE INDICATED, REMOVE FLOOR FINISH DOWN TO STRUCTURAL SLAB WHERE INDICATED.
- WHERE EXISTING PLASTER AND CONCRETE WALLS AND COLUMNS ARE TO REMAIN, REMOVE ALL LOOSE AND PEELING PAINT BY SCRAPPING. REMOVE UNSTABLE PLASTER FROM INTERIOR FACE OF EXTERIOR WALL. STABLE PLASTER SHALL REMAIN CLEAN WITH WATER AND DETERGENT.
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 - MASONRY WALLS SHALL BE REMOVED DOWN TO TOP OF STRUCTURAL SLAB.
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Owner	Wayne State University FP&M 5454 Cass Ave Detroit, MI 48202 313.577.2424
Contractor	Walbridge 777 Woodward Ave, Suite 300 Detroit, MI 48202 313.963.8000
Executive Architect	Hamilton Anderson 1435 Randolph Street, Suite 200 Detroit, MI 48226 313.964.0270
Design Architect	HGA 420 5th Street N, Suite 100 Minneapolis, MN 55401 612.758.4000
MEP Engineer	HGA 420 5th Street N, Suite 100 Minneapolis, MN 55401 612.758.4000
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Lighting	Auerbach Glasow 1045 Sansome Street, Suite 300 San Francisco, CA 94111 415.392.7528
Acoustics / AV	Jaffe Holden 114-A Washington Street Norwalk, CT 06864 203.838.4168



DEMOLITION LEGEND

- REMOVE WALL COMPLETE
- EXISTING CONSTRUCTION TO REMAIN
- REMOVE DOOR AND FRAME COMPLETE
- EXISTING DOOR AND FRAME TO REMAIN
- REMOVE TOILET AND LAVATORY COMPLETE. REMOVE WALL, FLOOR, CERAMIC TILE COMPLETE AND PREPARE FLOOR AND WALLS FOR NEW FINISH.
- REMOVE EXISTING CONSTRUCTION AS NOTED

PLAN KEYNOTES	
Number	Note
AD.01	DEMO WALL, DOOR AND FRAME COMPLETE
AD.02	DEMO WALL AND DOOR OPENING FRAME COMPLETE
AD.03	DEMO WALL AND PREP FOR NEW DOOR OPENING. REF. SCHEDULE FIR SUZE
AD.04	DEMO AND PREP FOR 88" X 54" R.O.
AD.05	EXCAVATE FOR ELEVATOR PIT. UNDERPINNING REQUIRED.

100% DESIGN DEVELOPMENT	FEB. 06, 2019
Project	
WSU - GATEWAY THEATER COMPLEX	
WSU PROJECT NO. 189-178578	
Drawing Title	
LOWER LEVEL DEMOLITION PLAN	
Project Number: 3995-001-00	
Drawn By: Designer	
Scale: As indicated	
Seal:	

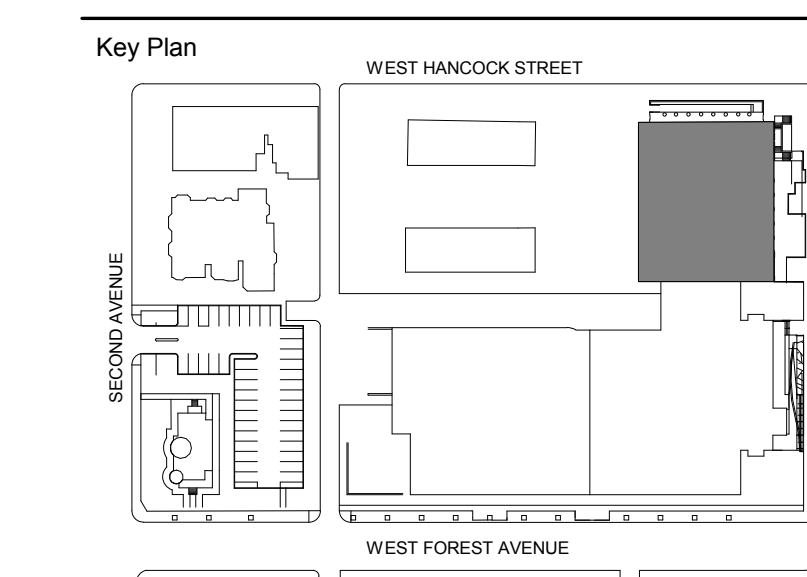
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Signature: _____

Drawing No: **AD1.0**

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DETROIT, MI



100% DESIGN DEVELOPMENT	FEB. 06, 2019
Project	
Project Number:	3995-001-00
Drawn By:	Designer
Scale:	As indicated
Sheet:	
Signature:	
Drawing Title:	LEVEL ONE DEMOLITION PLAN
WSU PROJECT NO.:	189-178578

WSU - GATEWAY THEATER COMPLEX
 LEVEL ONE DEMOLITION PLAN

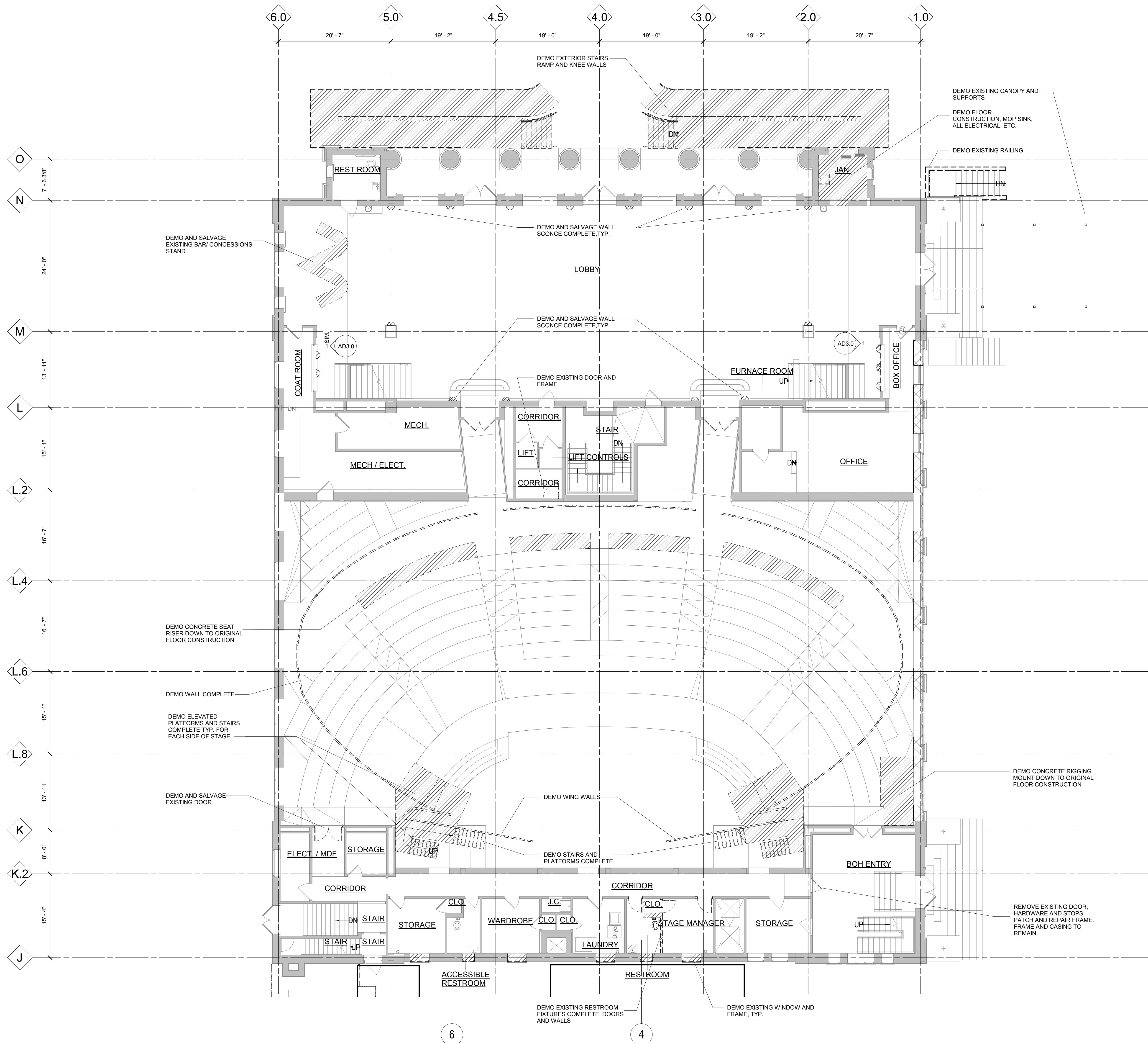
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PLAN KEYNOTES	
Number	Note
AD 06	DEMO EXTERIOR STAIRS, RAMP AND KNEE WALLS
AD 07	DEMO FLOOR CONSTRUCTION, MOP SINK, ALL ELECTRICAL, ETC.
AD 10	DEMO EXISTING RESTROOM FIXTURES COMPLETE. DOORS AND WALLS
AD 12	DEMO AND SALVAGE EXISTING DOOR
AD 14	DEMO AND SALVAGE EXISTING BAR/ CONCESSIONS STAND
AD 15	DEMO AND SALVAGE WALL SCONCE COMPLETE, TYP.
AD 16	DEMO EXISTING DOOR AND FRAME
AD 18	DEMO EXISTING CANOPY AND SUPPORTS
AD 19	DEMO WING WALLS
AD 20	DEMO STAIRS AND PLATFORMS COMPLETE
AD 23	DEMO WALL COMPLETE
AD 32	REMOVE EXISTING DOOR, HARDWARE AND STOPS. PATCH AND REPAIR FRAME. FRAME AND CASING TO REMAIN
AD 33	DEMO EXISTING RAILING
AD 34	DEMO CONCRETE SEAT RISER DOWN TO ORIGINAL FLOOR CONSTRUCTION
AD 36	DEMO EXISTING WINDOW AND FRAME, TYP.



LEVEL ONE DEMOLITION PLAN - OPTION 1
 1/8" = 1'-0"

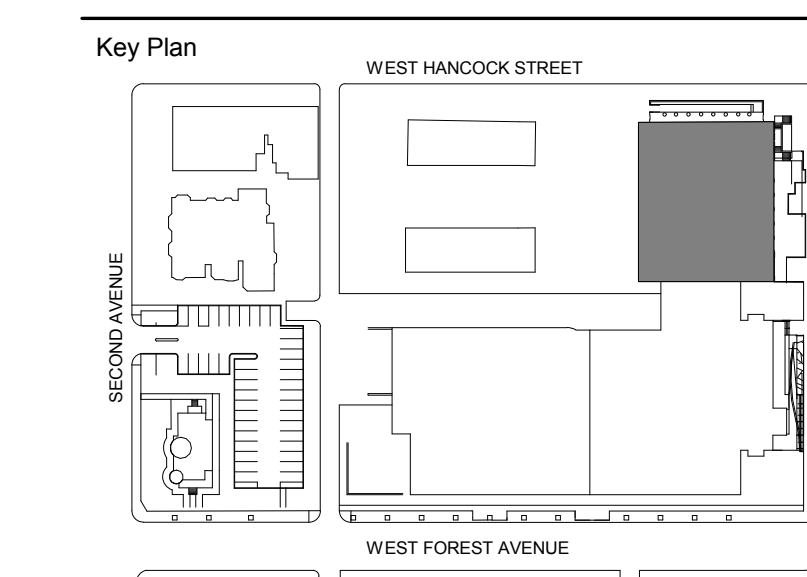


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AD1.1

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DETROIT, MI



100% DESIGN DEVELOPMENT	FEB. 06, 2019
Project	WSU - GATEWAY THEATER COMPLEX
Drawing Title	LEVEL TWO DEMOLITION PLAN
Project Number:	3995-001-00
Drawn By:	Designer
Scale:	As indicated
Seal:	

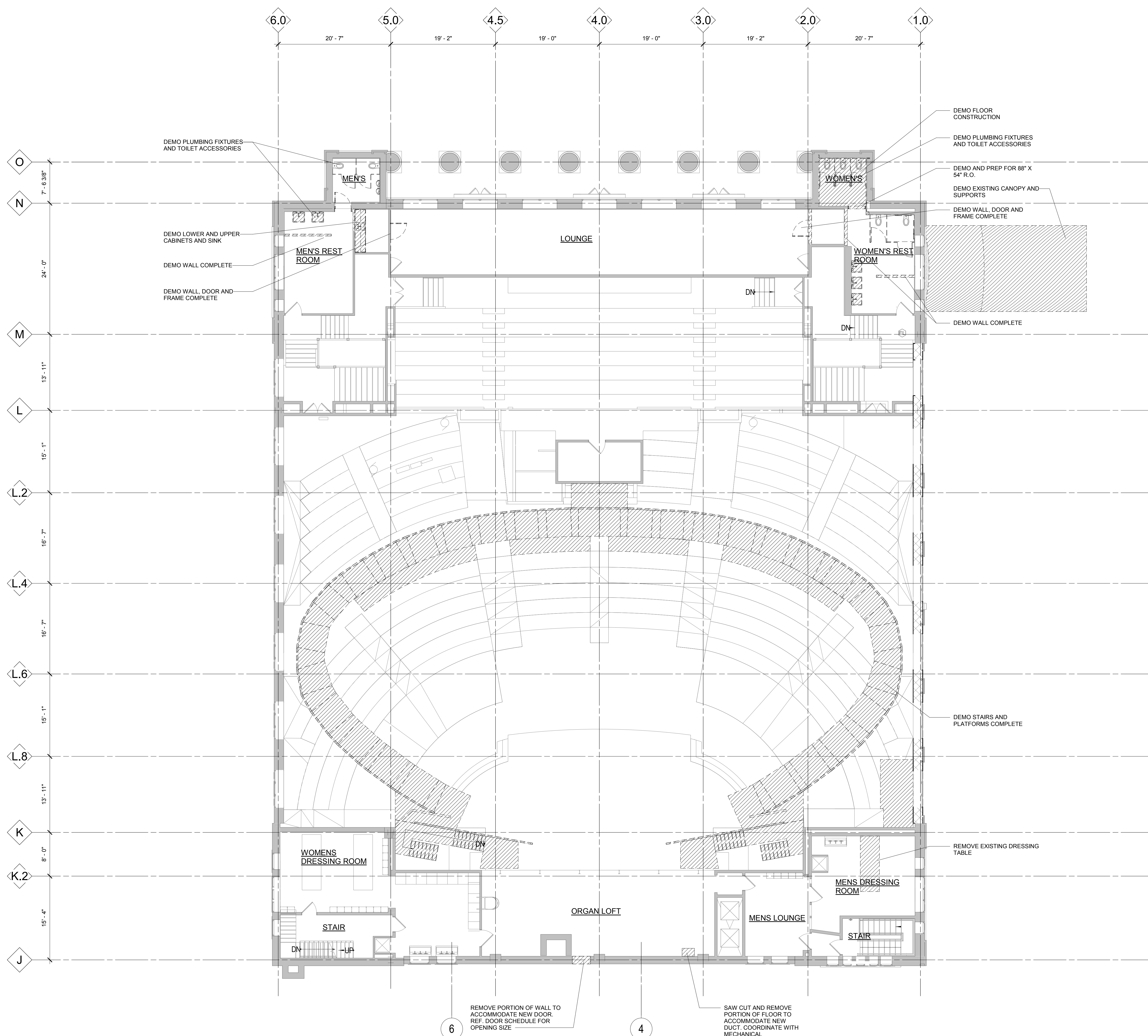
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DEMOLITION LEGEND

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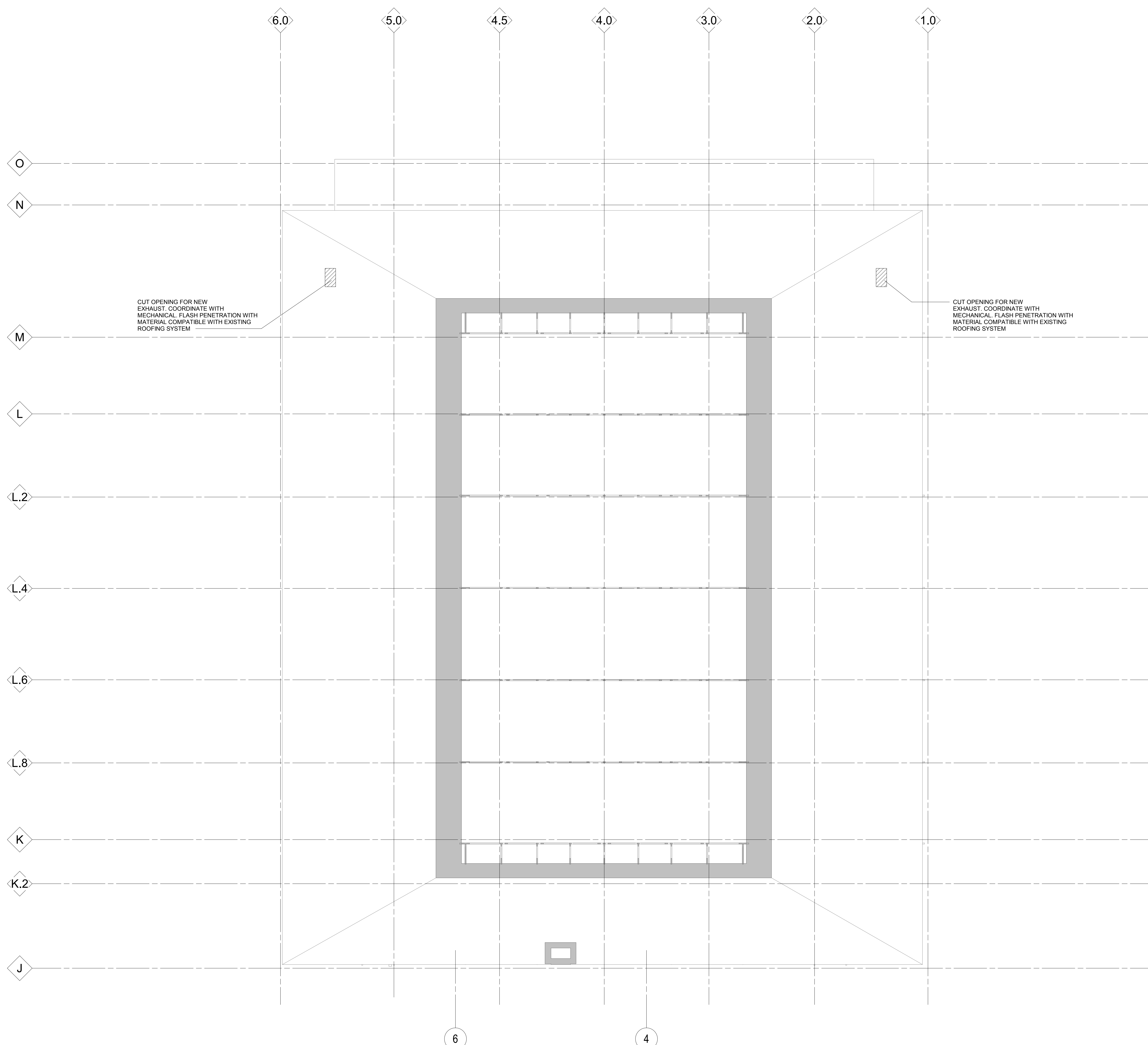
PLAN KEYNOTES	
Number	Note
AD.01	DEMO WALL, DOOR AND FRAME COMPLETE
AD.04	DEMO AND PREP FOR 88" X 54" R.O.
AD.18	DEMO EXISTING CANOPY AND SUPPORTS
AD.20	DEMO STAIRS AND PLATFORMS COMPLETE
AD.21	DEMO PLUMBING FIXTURES AND TOILET ACCESSORIES
AD.22	DEMO FLOOR CONSTRUCTION
AD.23	DEMO WALL COMPLETE
AD.24	DEMO LOWER AND UPPER CABINETS AND SINK
AD.37	REMOVE EXISTING DRESSING TABLE



LEVEL TWO DEMOLITION PLAN
1/8" = 1'-0"

Signature: _____
Drawing No: **AD1.2**

FOR REFERENCE ONLY - NOT FOR CONSTRUCTION



ROOF DEMOLITION PLAN
1/8" = 1'-0"

DEMOLITION NOTES

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DEMOLITION LEGEND

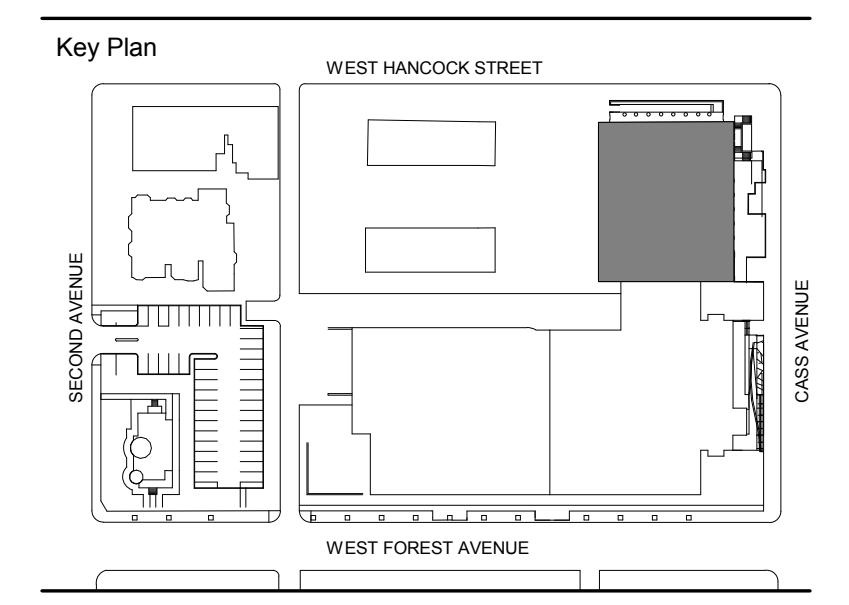
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- REMOVE DOOR AND FRAME COMPLETE
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- REMOVE EXISTING CONSTRUCTION AS NOTED

PLAN KEYNOTES	
Number	Note



Owner	Wayne State University FP&M 5454 Cass Ave Detroit, MI 48202 313.577.2424
Contractor	Walbridge 777 Woodward Ave. Suite 300 Detroit, MI 48202 313.963.8000
Executive Architect	Hamilton Anderson 1435 Randolph Street, Suite 200 Detroit, MI 48226 313.964.0270
Design Architect	HGA 420 5th Street N, Suite 100 Minneapolis, MN 55401 612.758.4000
MEP Engineer	HGA 420 5th Street N, Suite 100 Minneapolis, MN 55401 612.758.4000
Structural Engineer	DESAI / NASR Consulting Engineers Inc. 6765 Daly Road West Bloomfield, MI 48322 248.392.2010
Civil Engineer	Spalding DeDecker 905 South Blvd East Rochester Hills, MI 48307 800.598.1600
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Theatrical	Auerbach Pollock Friedlander 288 West 37th Street New York, NY 10018 212.764.5630
Lighting	Auerbach Glasow 1045 Sansome Street, Suite 300 San Francisco, CA 94111 415.392.7528
Acoustics / AV	Jaffe Holden 114-A Washington Street Norwalk, CT 06864 203.838.4168

DETROIT, MI



100% DESIGN DEVELOPMENT	FEB. 06, 2019
Project	
WSU - GATEWAY THEATER COMPLEX	
WSU PROJECT NO. 189-178578	
Drawing Title	
ROOF DEMOLITION PLAN	
Project Number: 3995-001-00	
Drawn By: Designer	
Scale: As indicated	
Seal:	

WSU - GATEWAY THEATER COMPLEX
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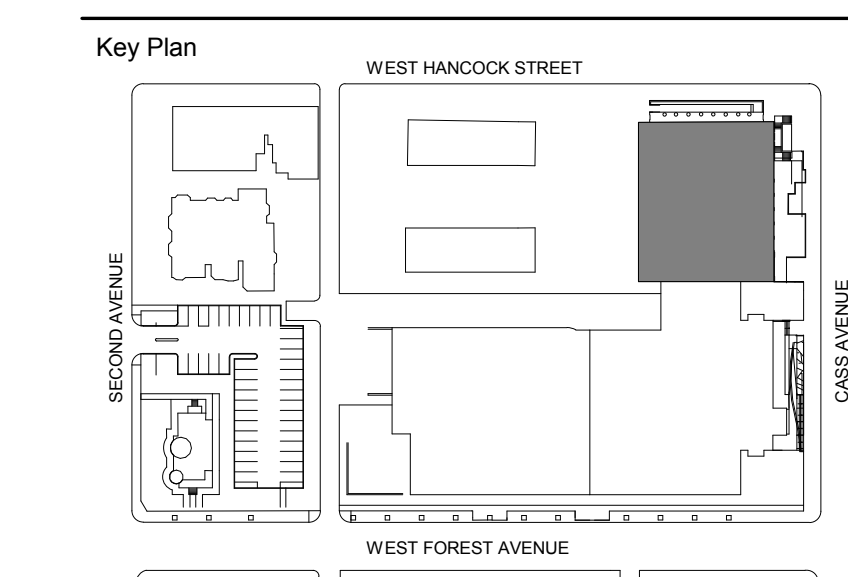
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Signature:
Drawing No:

AD1.3

Owner	Wayne State University F&M 5454 Cass Ave Detroit, MI 48202 313.577.2424
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100% DESIGN DEVELOPMENT	FEB. 06, 2019
Project	
WSU - GATEWAY THEATER COMPLEX	
WSU PROJECT NO. 189-178578	
Drawing Title	
LOWER LEVEL REFLECTED CEILING DEMOLITION PLAN	
Project Number: 3995-001-00	
Drawn By: Designer	
Scale: As indicated	
Seal:	

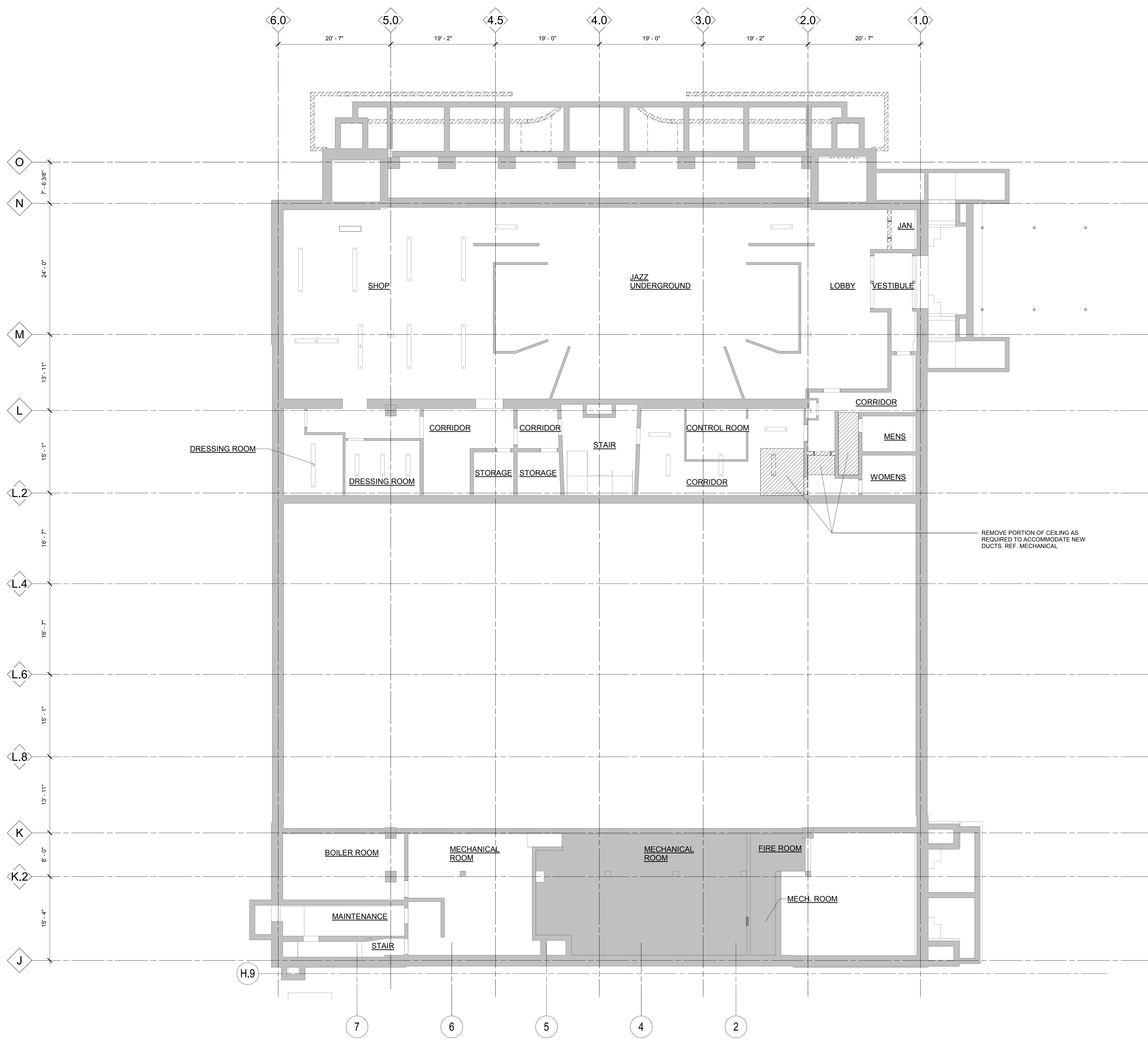
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PLAN KEYNOTES	
Number	Note



LOWER LEVEL DEMOLITION RCP
 1/8" = 1'-0"

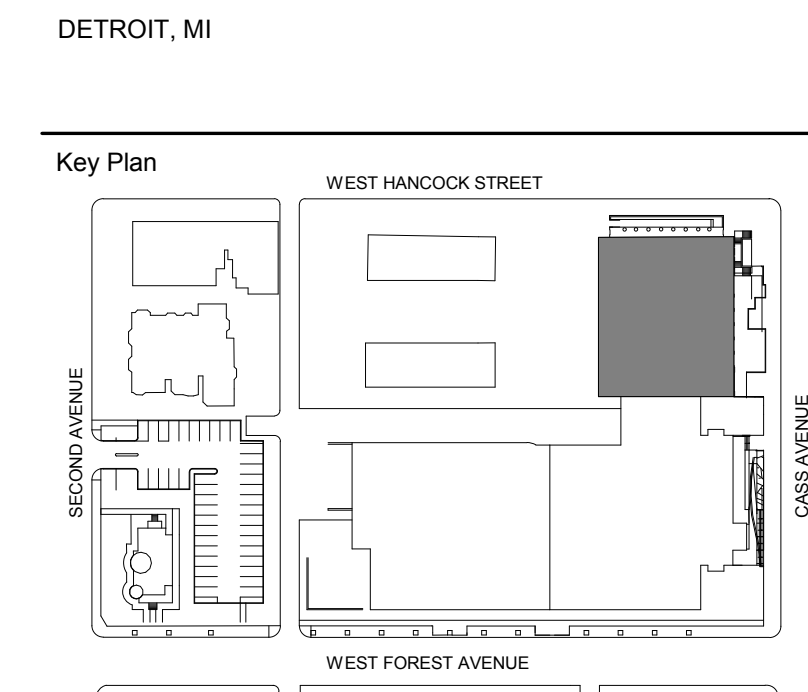
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Signature: _____
 Drawing No: **AD2.0**

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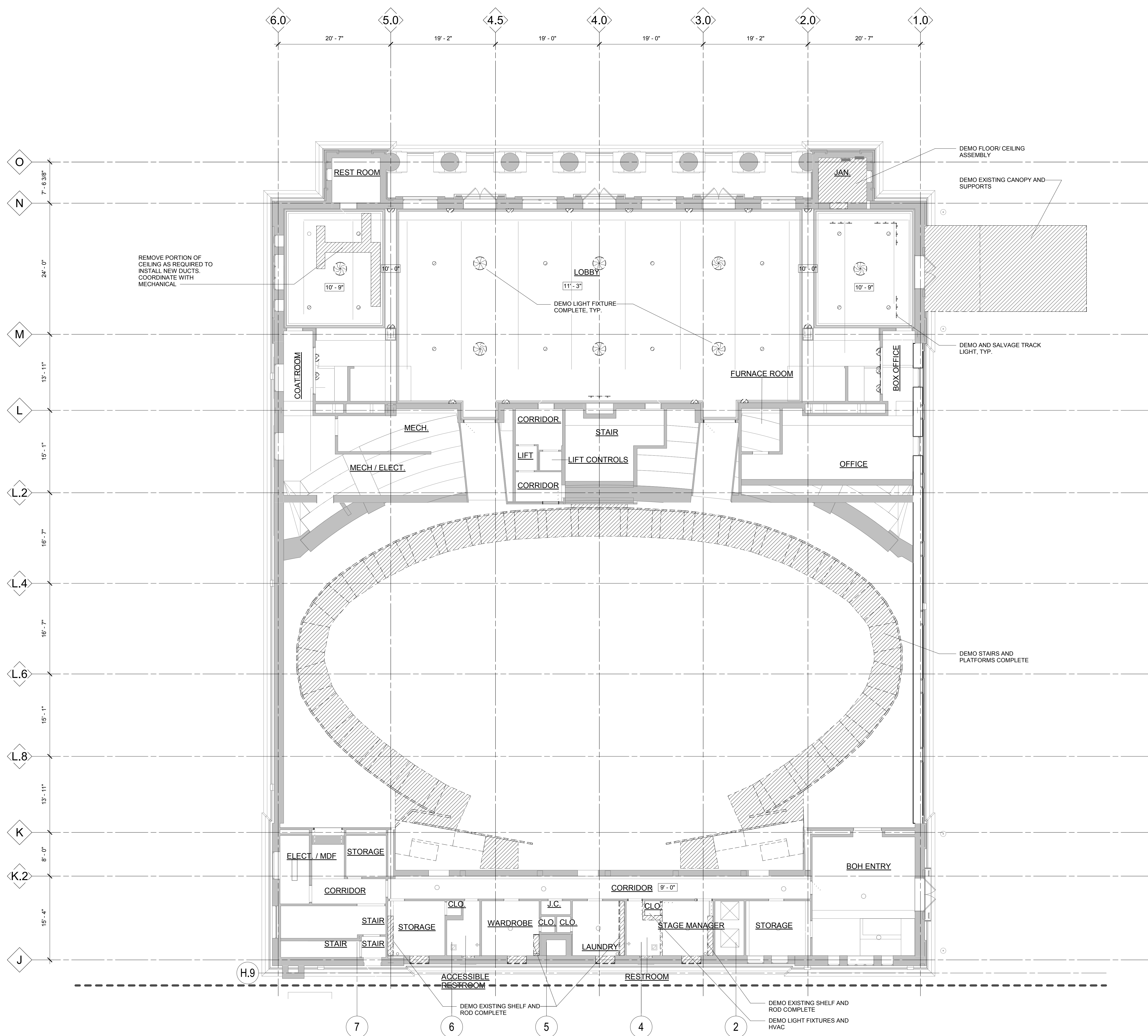


100% DESIGN DEVELOPMENT	FEB. 06, 2019
Project	
WSU - GATEWAY THEATER COMPLEX	
WSU PROJECT NO. 189-178578	
Drawing Title	
LEVEL ONE REFLECTED CEILING DEMOLITION PLAN	
Project Number: 3995-001-00	
Drawn By: Designer	
Scale: As indicated	
Seal:	

DEMOLITION LEGEND

- REMOVE WALL COMPLETE
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PLAN KEYNOTES	
Number	Note
AD.09	DEMO EXISTING SHELF AND ROD COMPLETE
AD.18	DEMO EXISTING CANOPY AND SUPPORTS
AD.20	DEMO STAIRS AND PLATFORMS COMPLETE
AD.26	DEMO FLOOR/ CEILING ASSEMBLY
AD.27	DEMO AND SALVAGE TRACK LIGHT, TYP.
AD.28	DEMO LIGHT FIXTURE COMPLETE, TYP.
AD.38	DEMO LIGHT FIXTURES AND HVAC



LEVEL ONE DEMOLITION RCP - OPTION 1
 1/8" = 1'-0"

FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

Signature: _____
 Drawing No: **AD2.1**

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- CONTRACTOR IS TO VACUUM ACCESS CORRIDORS AT THE END OF EACH DAY, AT A MINIMUM.
- CONTROL NOISE, VIBRATION, AND ANY OTHER DISTURBING FACTORS: COORDINATE WORK HOURS WITH OWNER PRIOR TO PROCEEDING WITH THE WORK.
- SCHEDULE ALL DEMOLITION AND CONSTRUCTION WORK WITH DESIGNATED OWNER'S REPRESENTATIVE TO MINIMIZE DISRUPTION OF CAMPUS ACTIVITIES.
- FOLLOW REQUIREMENTS IN SIMACNA IAQ GUIDELINES FOR OCCUPIED BUILDING UNDER CONSTRUCTION 1995 CHAPTERS 283 AS WELL AS ANY OTHER APPLICABLE ENVIRONMENTAL REQUIREMENTS.
- WHERE CEILING IS TO REMAIN: REMOVE DUST, DIRT AND DEBRIS. REMOVE ALL LOOSE AND PEELING PAINT FROM PLASTER CEILING BY SCRAPPING. DO NOT REMOVE SPRAY FIRE PROTECTION.
- WHERE EXISTING DOORS ARE TO REMAIN: REMOVE ALL LOOSE AND PEELING PAINT BY SCRAPPING. CLEAN WITH WATER AND DETERGENT.
- WHEN REMOVING MECHANICAL AND ELECTRICAL ITEMS, REMOVE ALL ASSOCIATED CONSTRUCTION INCLUDING FASTENERS, CABLE, RODS, ETC.
- INVENTORY SALVAGED ITEMS: LIST SHALL INCLUDE DESCRIPTION OF ITEM, DIMENSIONS (OVERALL WIDTH, HEIGHT, DEPTH), COLOR, APPROX. WEIGHT, AND PHOTO.
- REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
- DO NOT PROCEED WITH NEW FLOOR OPENINGS OR WALL OPENINGS UNTIL NEW SUPPORT STRUCTURE IS IN PLACE. SEE STRUCTURAL.
- PROVIDE CONSTRUCTION WASTE MANAGEMENT PLAN PRIOR TO THE START OF DEMOLITION. TARGET 50% RECYCLING OF CONSTRUCTION WASTE. REFER TO WSU OEH'S PLAN FOR WASTE DISPOSAL.
- ALL TOILETS/LAVATORIES, URINALS, SHOWERS AND WALL-MOUNTED TOILET ROOM ACCESSORIES TO BE REMOVED UNLESS SPECIFICALLY NOTED TO BE SALVAGED.
- REMOVE ALL CEILINGS AND SUPPORT SYSTEMS COMPLETE UNO. CEILINGS IN STAIRWELLS AND LANDINGS TO REMAIN.
- REMOVE ALL FLOOR FINISHES AND WALL BASE COMPLETE AND PREPARE FLOOR FOR NEW FINISH.
- REMOVE WALL COMPLETE.
- FOR ALL HISTORIC MATERIALS, COORDINATE THEIR REMOVAL, CLEANING, CATALOGING OF STORAGE WITH THE TRADE(S) CONTRACTED TO CREATE, RECONSTRUCT OR REINSTALL THOSE ELEMENTS. REMOVE DOOR AND FRAME COMPLETE.
- REMOVE WALLS (SHOWN DASHED) IN THEIR ENTIRETY INCLUDING ALL ELECTRICAL, DATA AND MECHANICAL WORK.
 - MASONRY WALLS SHALL BE REMOVED DOWN TO TOP OF STRUCTURAL SLAB.
 - WALLS TO BE REMOVED MAY HAVE LEAD BASED AND/OR LEAD CONTAINED PAINT. COORDINATE W/ ABATEMENT CONTRACTOR FOR PROPER FLOOR AND WALLS FOR NEW FINISH.
- DO NOT REMOVE ELEMENTS SLATED TO REMAIN OR TO BE REPAIRED. REFER TO SCOPE OF WORK.
- CONTRACTOR SHALL PROTECT ALL STRUCTURAL ELEMENTS FROM DAMAGE DURING CONSTRUCTION.

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 6765 Daly Road
 West Bloomfield, MI 48322
 248.392.2010

Civil Engineer Spalding DeDecker
 905 South Blvd East
 Rochester Hills, MI 48307
 800.598.1600

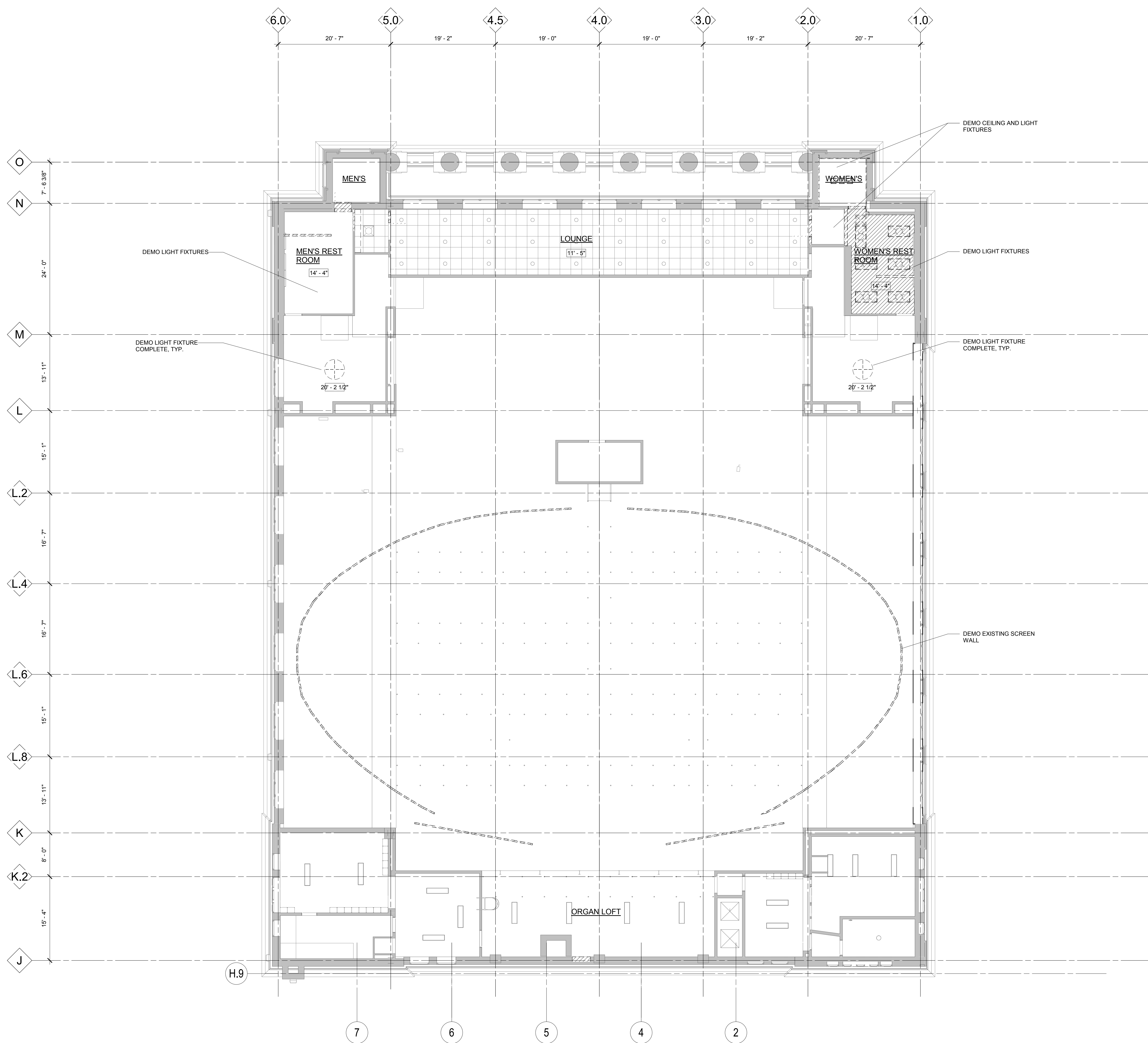
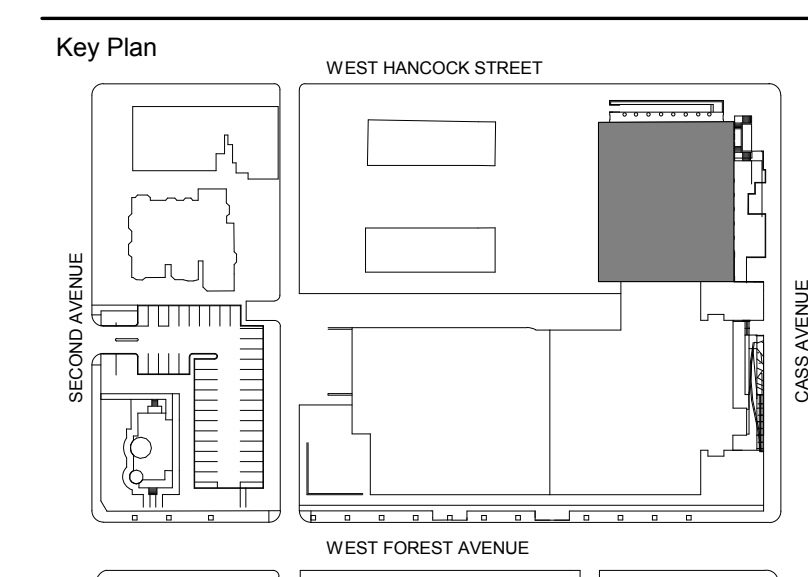
Landscape Architect Hamilton Anderson
 1435 Randolph Street, Suite 200
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 313.964.0270

Theatrical Auerbach Pollock Friedlander
 286 West 37th Street
 New York, NY 10018
 212.764.5630

Lighting Auerbach Glasow
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Acoustics / AV Jaffe Holden
 114-A Washington Street
 Norwalk, CT 06864
 203.838.4168

DETROIT, MI



PLAN KEYNOTES

Number	Note
AD.13	DEMO EXISTING SCREEN WALL
AD.28	DEMO LIGHT FIXTURE COMPLETE, TYP.
AD.30	DEMO LIGHT FIXTURES
AD.31	DEMO CEILING AND LIGHT FIXTURES

100% DESIGN DEVELOPMENT FEB. 06, 2019

WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578

Drawing Title
LEVEL TWO REFLECTED CEILING DEMOLITION PLAN

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: As indicated
 Seal:

Signature: _____
 Drawing No:

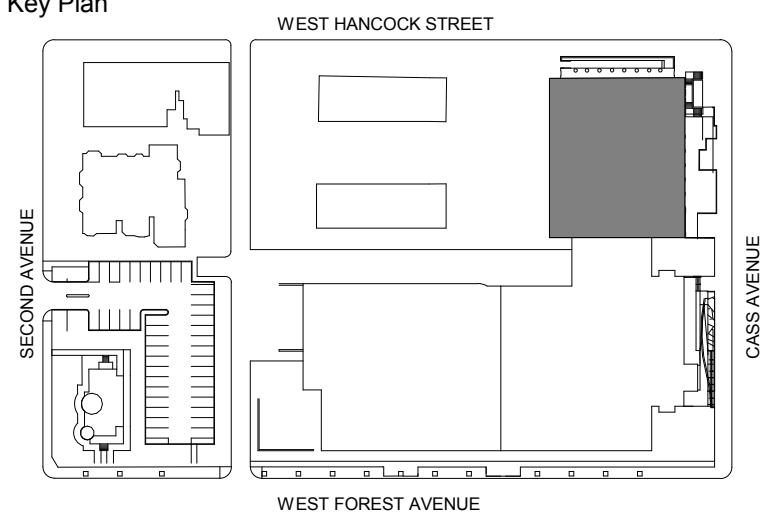
AD2.2

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Owner	Wayne State University FP&M 5454 Cass Ave Detroit, MI 48202 313.577.2424
Contractor	Walbridge 777 Woodward Ave. Suite 300 Detroit, MI 48202 313.963.8000
Executive Architect	Hamilton Anderson 1435 Randolph Street, Suite 200 Detroit, MI 48226 313.964.0270
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MEP Engineer	HGA 420 5th Street N, Suite 100 Minneapolis, MN 55401 612.758.4000
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Civil Engineer	Spalding DeDecker 905 South Blvd East Rochester Hills, MI 48307 800.598.1600
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Theatrical	Auerbach Pollock Friedlander 286 West 37th Street New York, NY 10018 212.764.5630
Lighting	Auerbach Glasow 1945 Sansome Street, Suite 300 San Francisco, CA 94111 415.392.7528
Acoustics / AV	Jaffe Holden 114-A Washington Street Norwalk, CT 06864 203.838.4188

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Key Plan



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Project

**WSU - GATEWAY
THEATER COMPLEX**
WSU PROJECT NO. 189-178578
Drawing Title
DEMOLITION DETAILS

Project Number: 3995-001-00

Drawn By: Designer

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

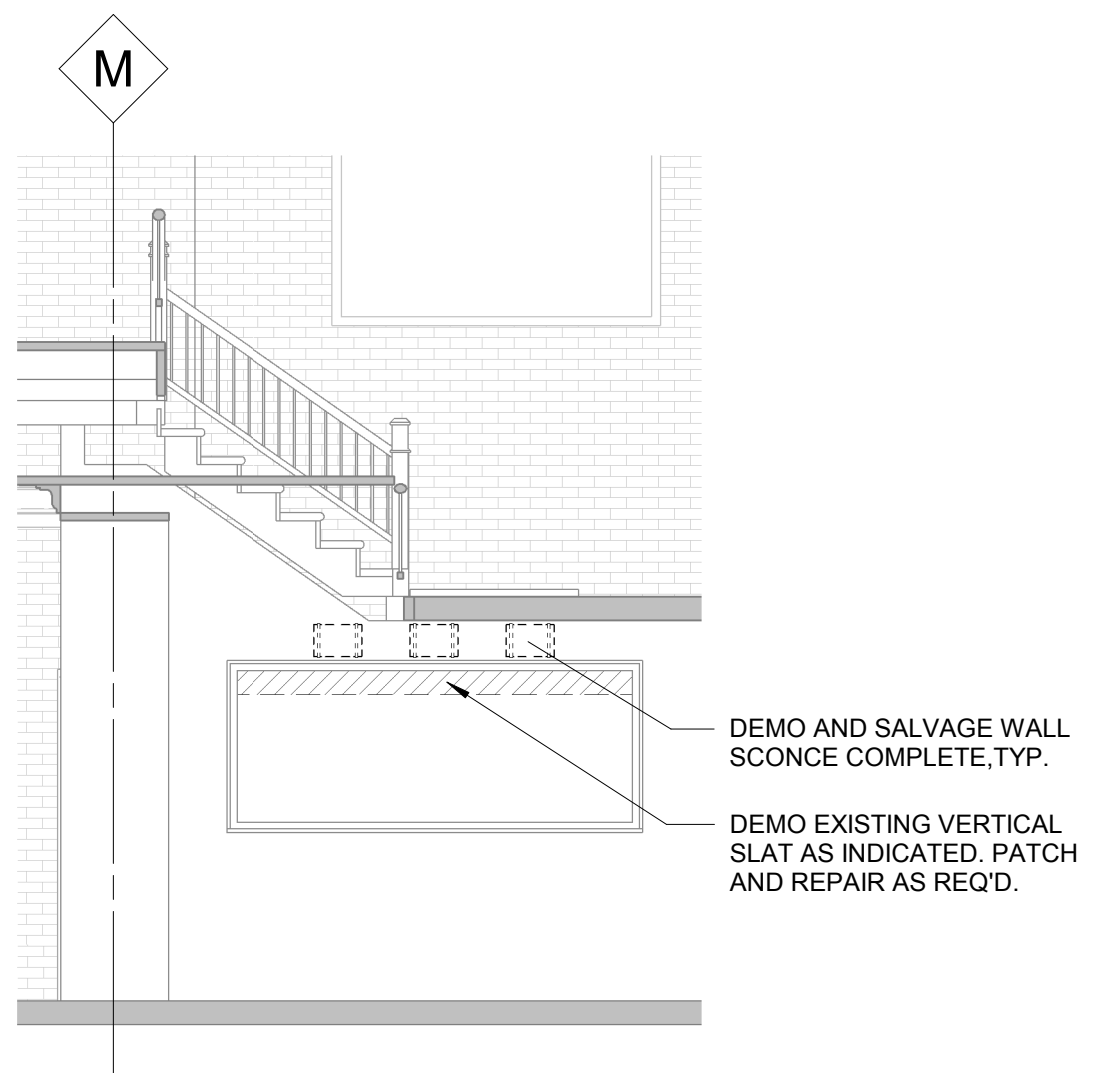
Seal:

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Signature:

Drawing No:

AD3.0



ELEVATION @ BOX OFFICE
1/4" = 1'-0"

Owner: Wayne State University FP&M
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 612.758.4000

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 6765 Daily Road
 West Bloomfield, MI 48322
 248.392.2010

Civil Engineer: Spalding DeDecker
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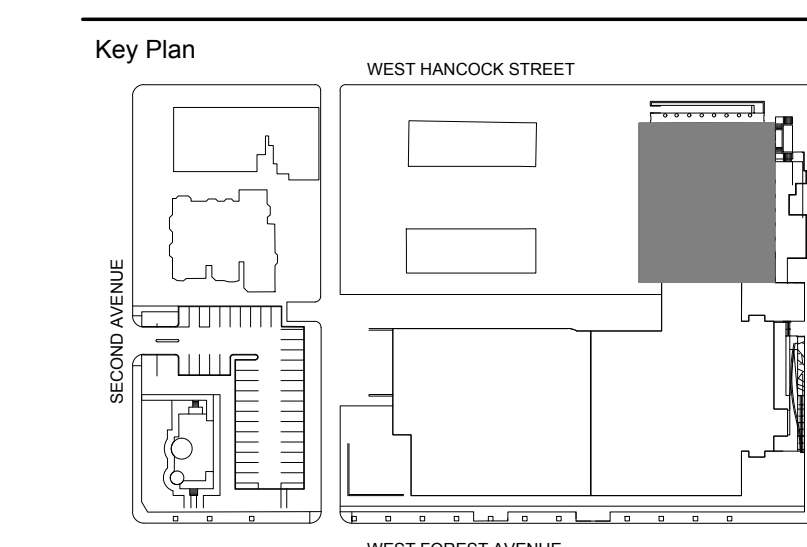
Landscape Architect: Hamilton Anderson
 1435 Randolph Street, Suite 200
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 313.964.0270

Theatrical: Auerbach Pollock Friedlander
 286 West 37th Street
 New York, NY 10018
 212.764.5630

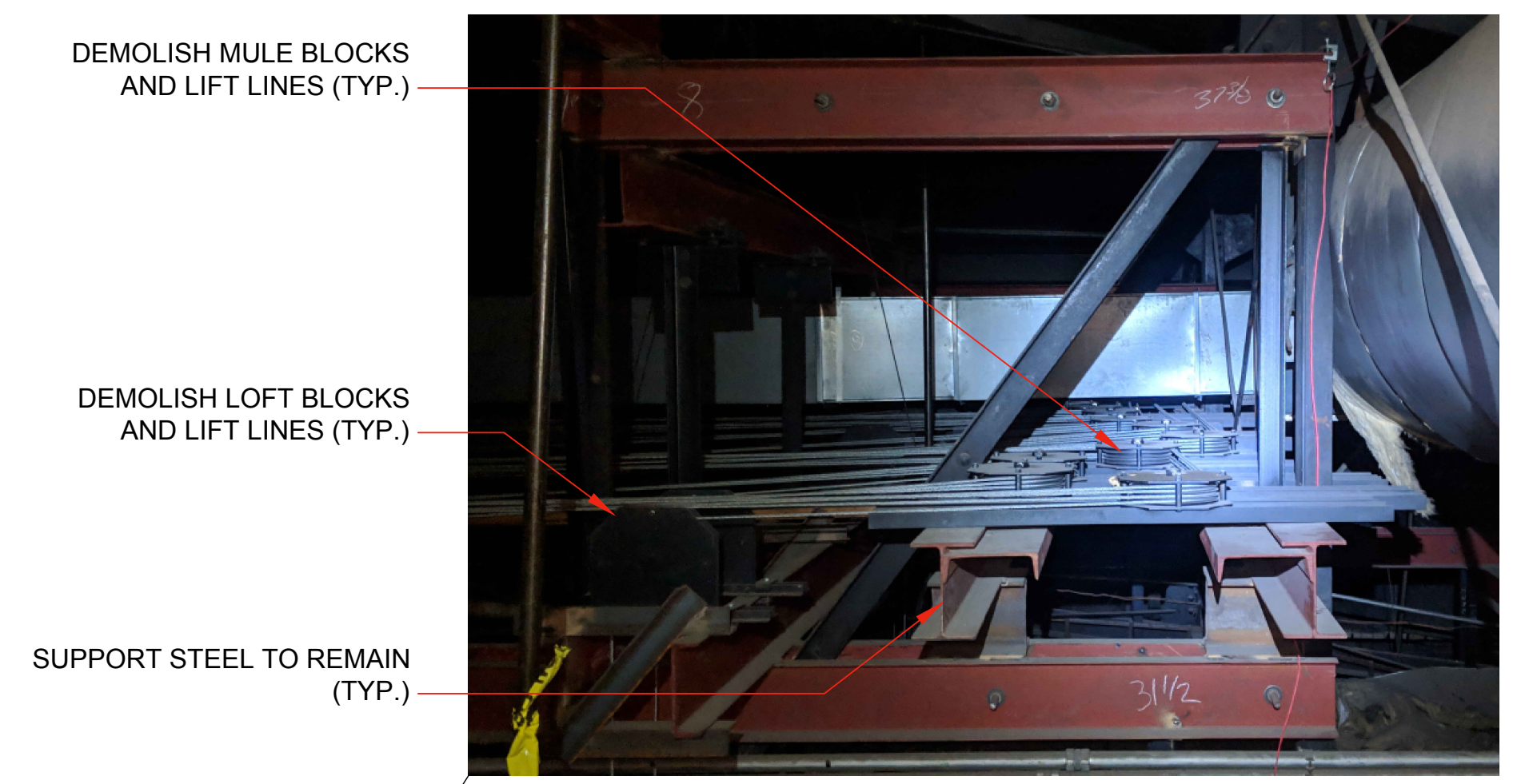
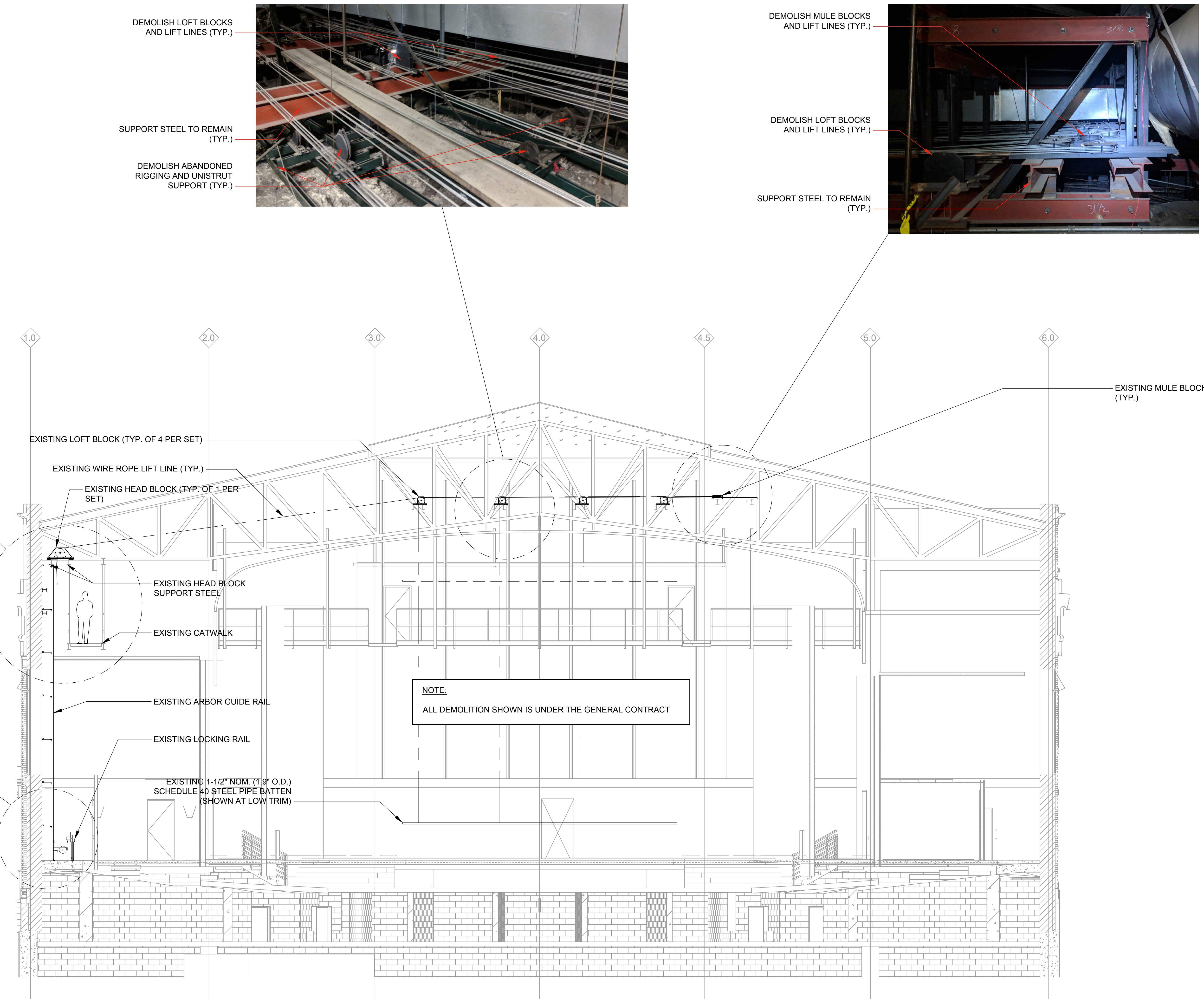
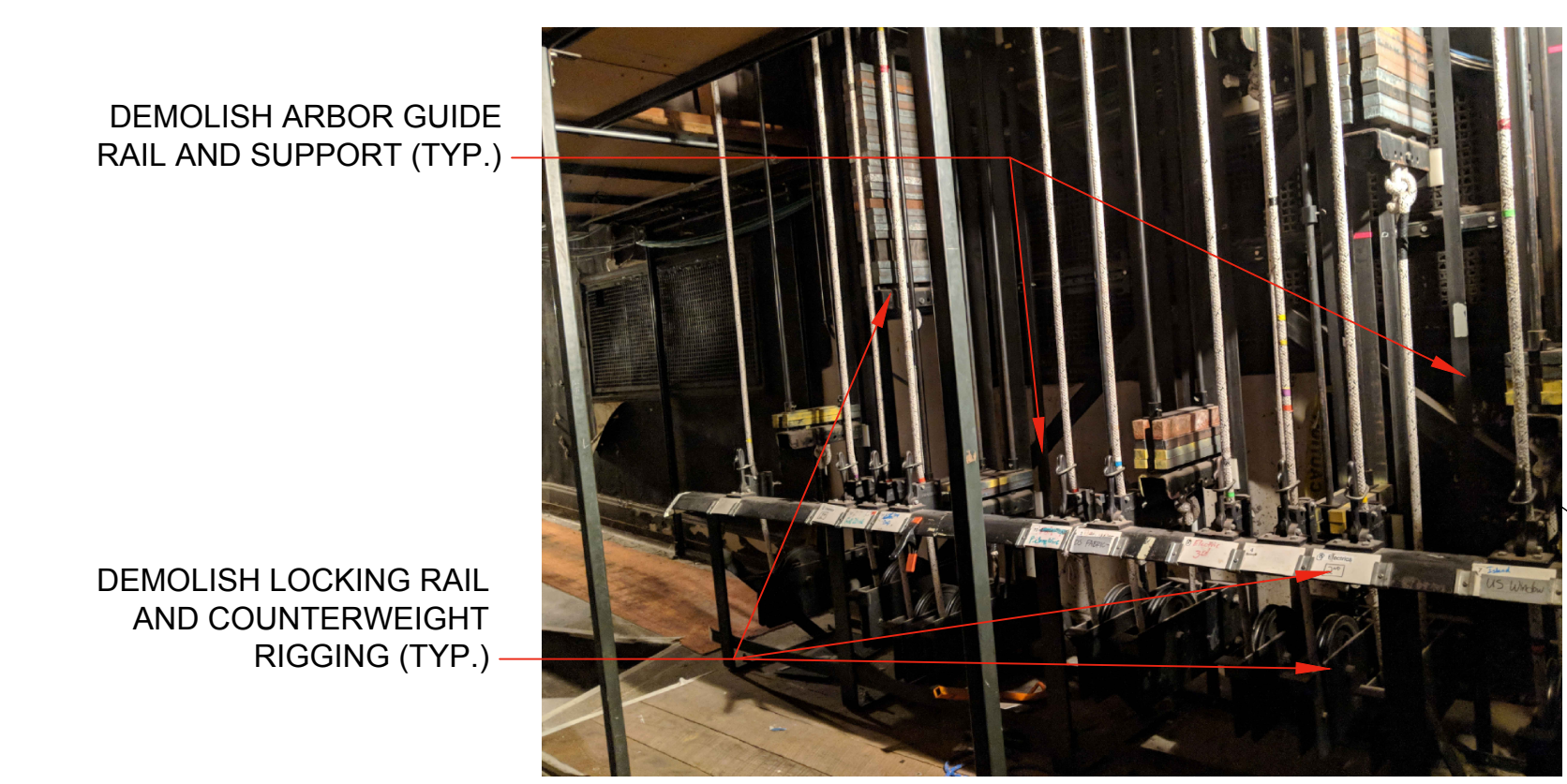
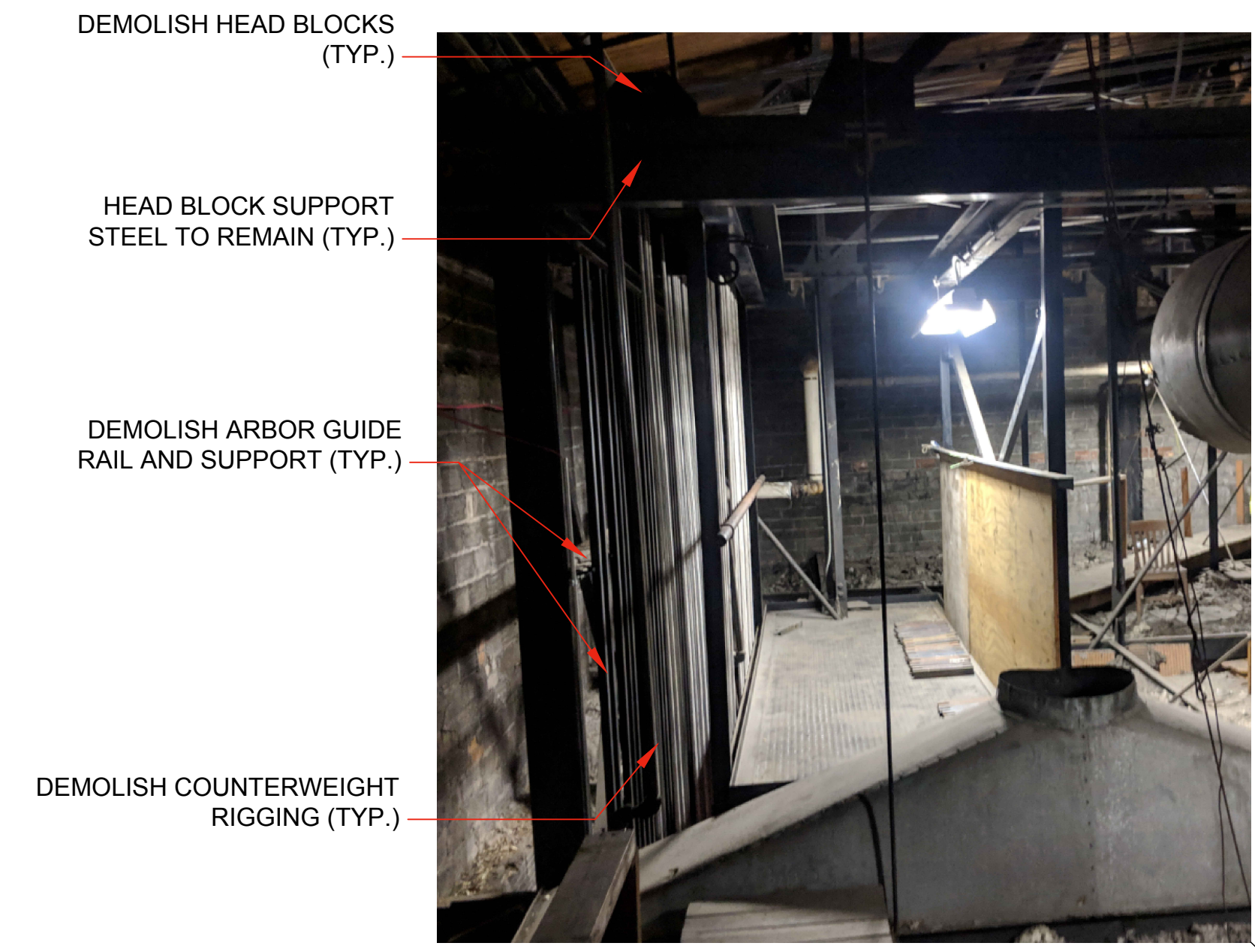
Lighting: Auerbach Glasow
 1045 Sansome Street, Suite 300
 San Francisco, CA 94111
 415.392.7528

Acoustics: Jaffe Holden
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Project	WSU - GATEWAY THEATER COMPLEX
WSU PROJECT NO.	189-178578
Drawing Title	THEATRICAL SYSTEMS DEMOLITION TRANSVERSE SECTION VALADE CENTER
Project Number:	3995-001-00
Drawn By:	APF
Scale:	AS NOTED
Seal:	



EXISTING MULE BLOCK (TYP.)

1 THEATRICAL SYSTEMS DEMOLITION - TRANSVERSE SECTION LOOKING UPSTAGE - VALADE CENTER
 3/16"=1'-0"

FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

Signature: _____
 Drawing No: _____
AD4.0

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313.964.0270

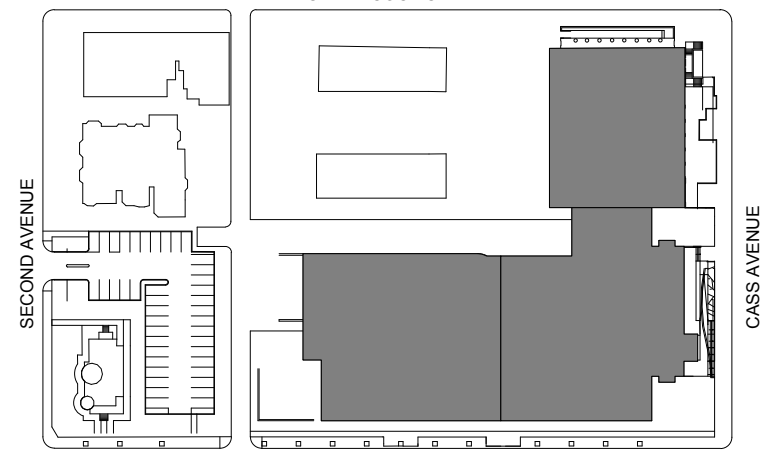
Theatrical
Auerbach Pollock Friedlander
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New York, NY 10018
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Lighting
Auerbach Glasow
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Key Plan



100% DESIGN DEVELOPMENT FEB. 06, 2019

Project
WSU - GATEWAY THEATER COMPLEX
WSU PROJECT NO. 189-178578
Drawing Title
COMPOSITE LOWER LEVEL PLAN

Project Number: 3995-001-00

Drawn By: Designer

Scale: As indicated

Seal:

Signature:

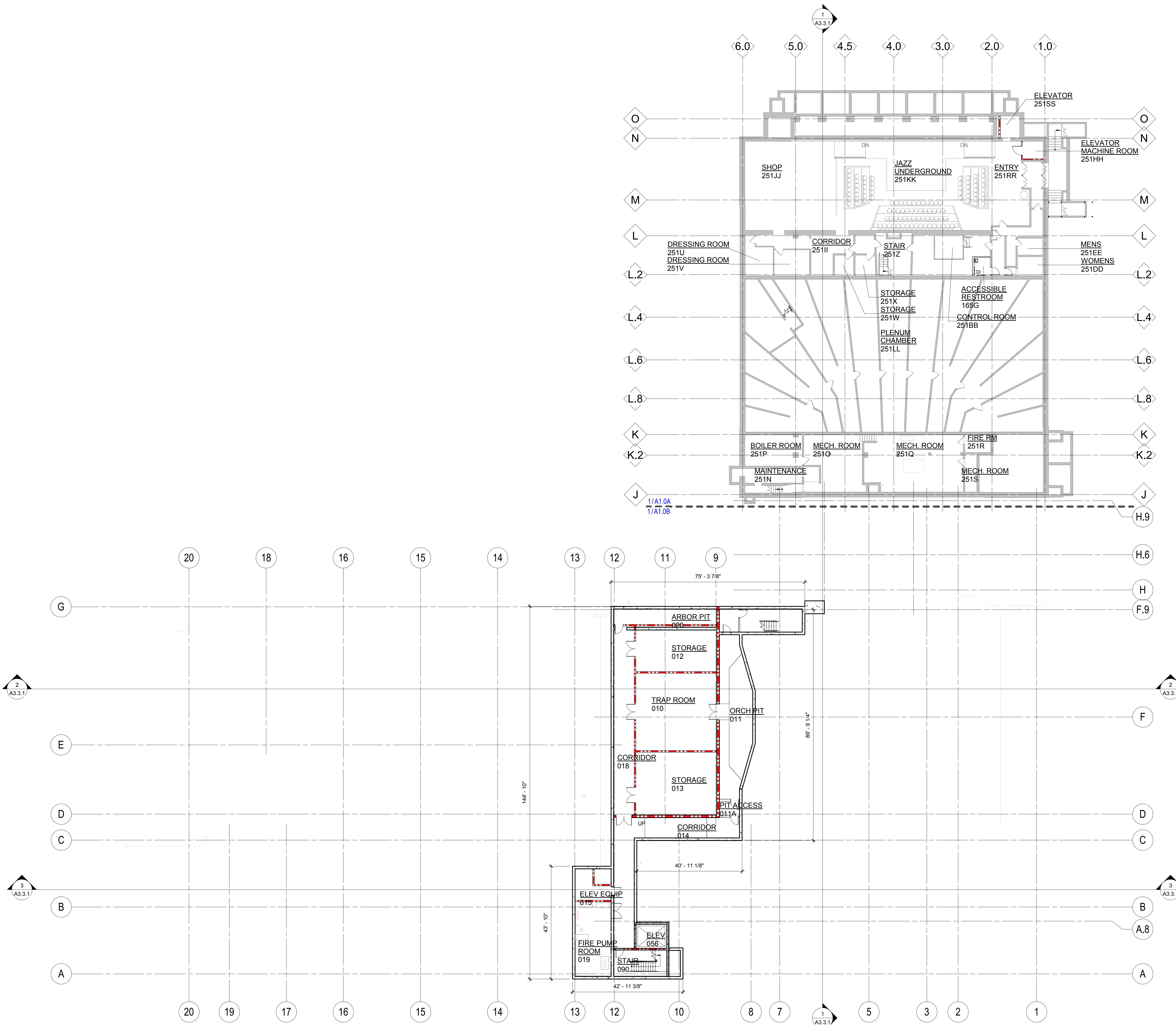
Drawing No:

A0.0

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Sheet Size: 30" x 42"
Template Version

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LOWER LEVEL - COMPOSITE PLAN
1/16" = 1'-0"



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Civil Engineer Spalding DeDecker
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 800.598.1600

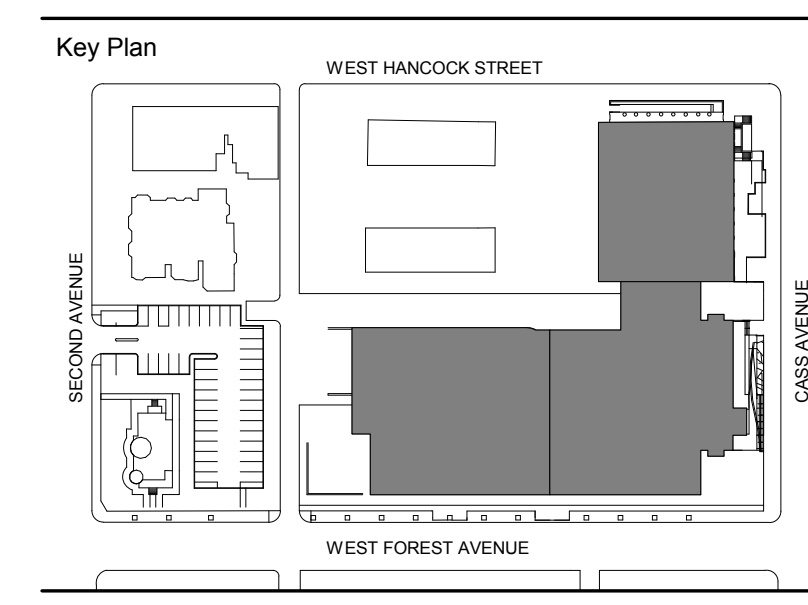
Landscape Architect Hamilton Anderson
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Acoustics / AV Jaffe Holden
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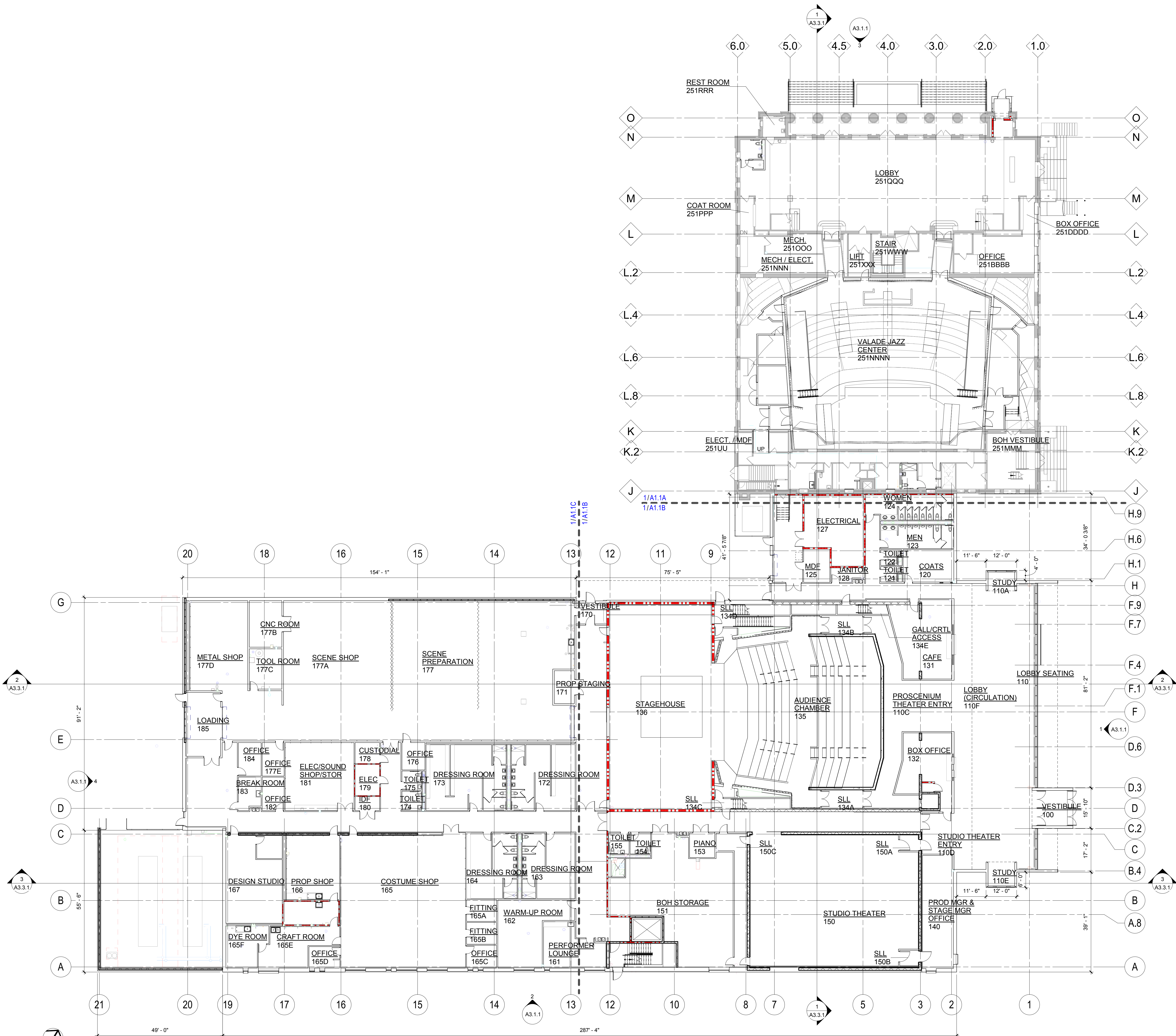
Project
 WSU - GATEWAY
 THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
**COMPOSITE LEVEL
 ONE PLAN**

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: As indicated
 Seal:

Signature: _____
 Drawing No:

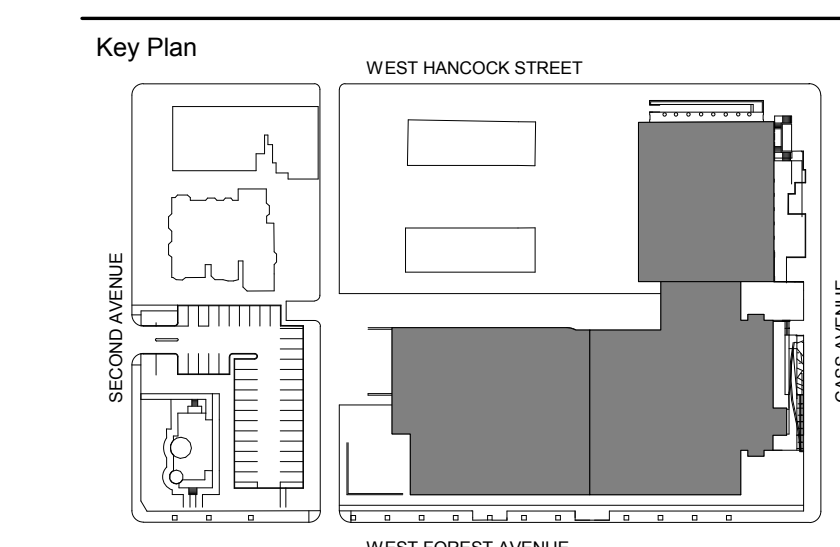
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- Lighting: Auerbach Glasow
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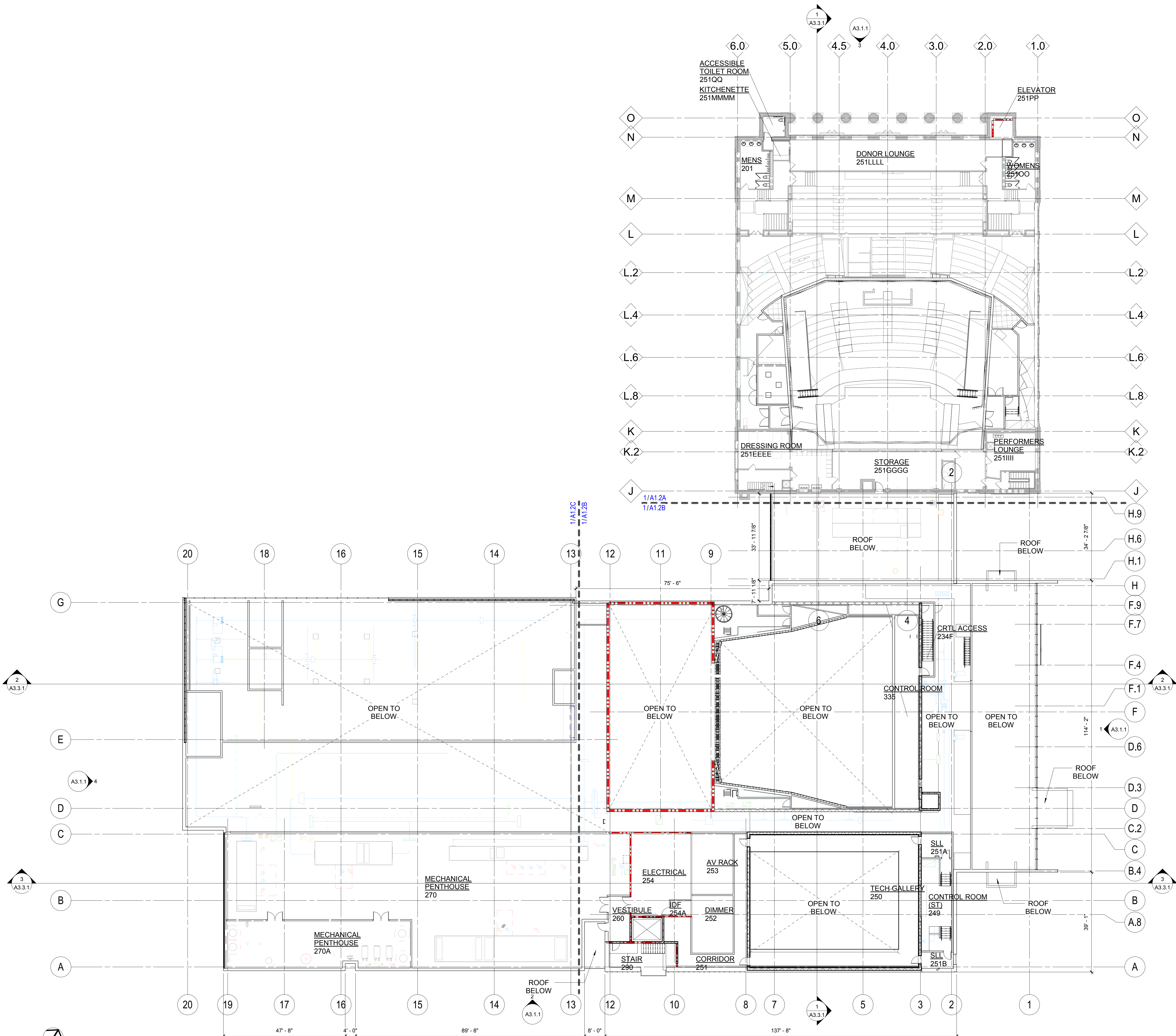
Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
COMPOSITE LEVEL TWO PLAN

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: As indicated
 Seal:

Signature: _____
 Drawing No:

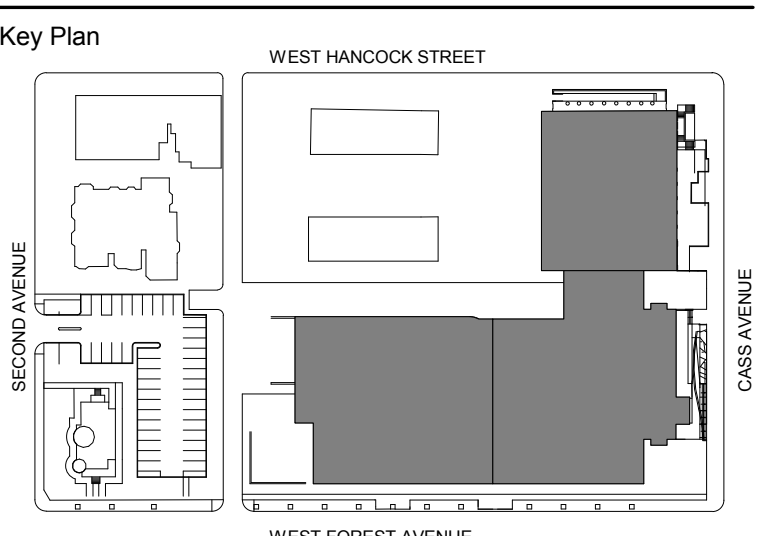
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- Landscape Architect: Hamilton Anderson
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- Theatrical: Auerbach Pollock Friedlander
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- Lighting: Auerbach Glasow
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Project
**WSU - GATEWAY
THEATER COMPLEX**
WSU PROJECT NO. 189-178578
Drawing Title
**COMPOSITE ROOF
PLAN**

Project Number: 3995-001-00

Drawn By: Designer

Scale: As indicated

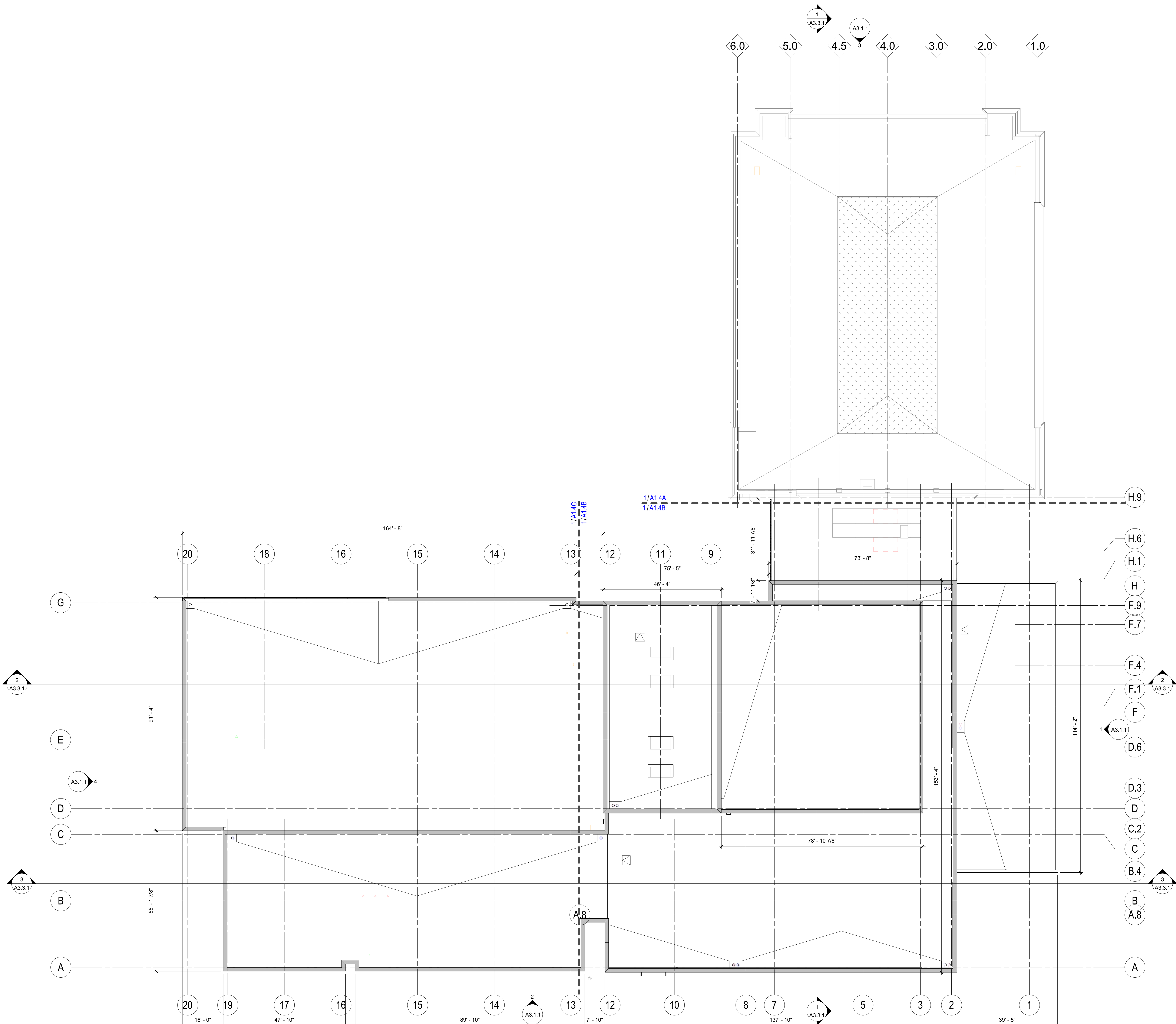
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Signature:

Drawing No:

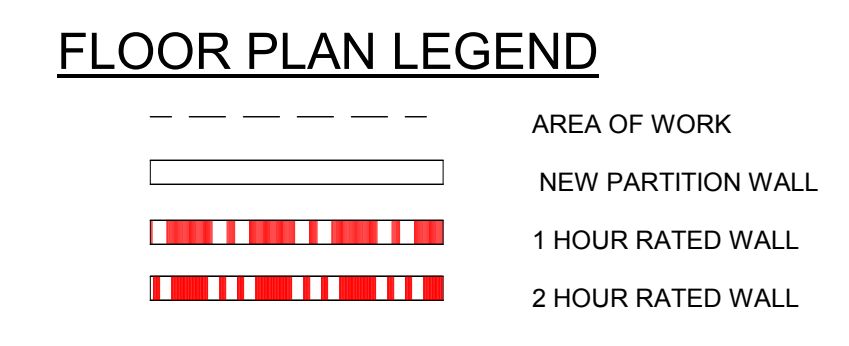
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ROOF - COMPOSITE PLAN
1/16" = 1'-0"





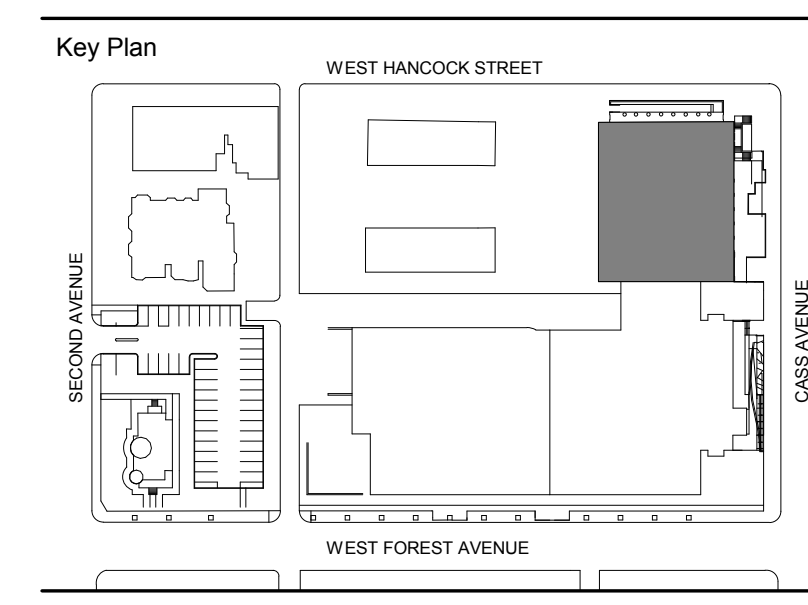
- FLOOR PLAN NOTES**
1. CONTRACTOR TO COORDINATE WITH ARCHITECT ALL DISCREPANCIES BETWEEN THE DRAWINGS AND EXISTING CONDITIONS PRIOR TO ANY WORK OR INSTALLATION
 2. ALL DIMENSIONS ARE TO FACE OF GYPSUM BOARD, COLUMN CENTERLINE, FACE OF CONCRETE, AND OR FACE OF MASONRY UNO
 3. PROVIDE PATCHING COMPOUND AND UNDERLAYMENT TO REPAIR FLOORS DAMAGED BY DEMOLITION. RESTORE FLOOR SURFACE TO A LEVEL SUBSTRATE SUITABLE FOR INSTALLATION OF NEW FLOORING.
 4. TYPICAL DOOR FRAME TO WALL DIMENSION IS 4" UNO. RE: A7.3
 5. REFER TO SHEET A7.4.1 FOR PARTITION TYPES
 6. REFER TO SHEET A7.4.3 FOR FIRESTOPPING AND PENETRATION DETAILS
 7. REFER TO SHEET A7.4.2 FOR WALL REINFORCING DETAILS - PROVIDE WALL REINFORCING FOR MILLWORK, SHELVES, WALL MOUNTED EQUIPMENT
 8. REFER TO FLOOR FINISH PLANS (DRAWING SERIES A7.7) FOR:
 - FLOOR PATTERN INTENT
 - WALL PROTECTION LOCATIONS
 - TRANSITION LOCATIONS
 9. PROVIDE POSITIVE SLOPE AT ALL FLOOR DRAINS - REDUCE SUPPORTED SLAB DESIGNED THICKNESS BY 1/4" MAX TO ACCOMMODATE FLOOR SLOPE TO DRAIN
 10. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING PLANS FOR EQUIPMENT PAD LOCATIONS.
 11. ALL BASE CABINETS TO BE AS NOTED W/ WOOD FILLER PANELS WHERE NEEDED
 12. NEW CONSTRUCTION WALLS TO BE FLUSH WITH EXISTING WHERE INDICATED.
 13. PROVIDE GLASSMATT BACKER AT ALL TOILET ROOM TILE WALLS.
 14. INFILL ALL UNUSED FLOORWALL PENETRATIONS TO MATCH ADJACENT SURFACE.
 15. PROVIDE ACOUSTIC BATT AT PUBLIC RESTROOM

PLAN KEYNOTES

Number	Note
A1.02	LOCK EXISTING GATE

- Owner: Wayne State University FP&M
5454 Cass Ave
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- MEP Engineer: HGA
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612.758.4000
- Structural Engineer: DESAI / NASR Consulting Engineers Inc.
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- Lighting: Auerbach Glasow
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415.392.7528
- Acoustics / AV: Jaffe Holden
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Norwalk, CT 06864
203.836.4188

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Project

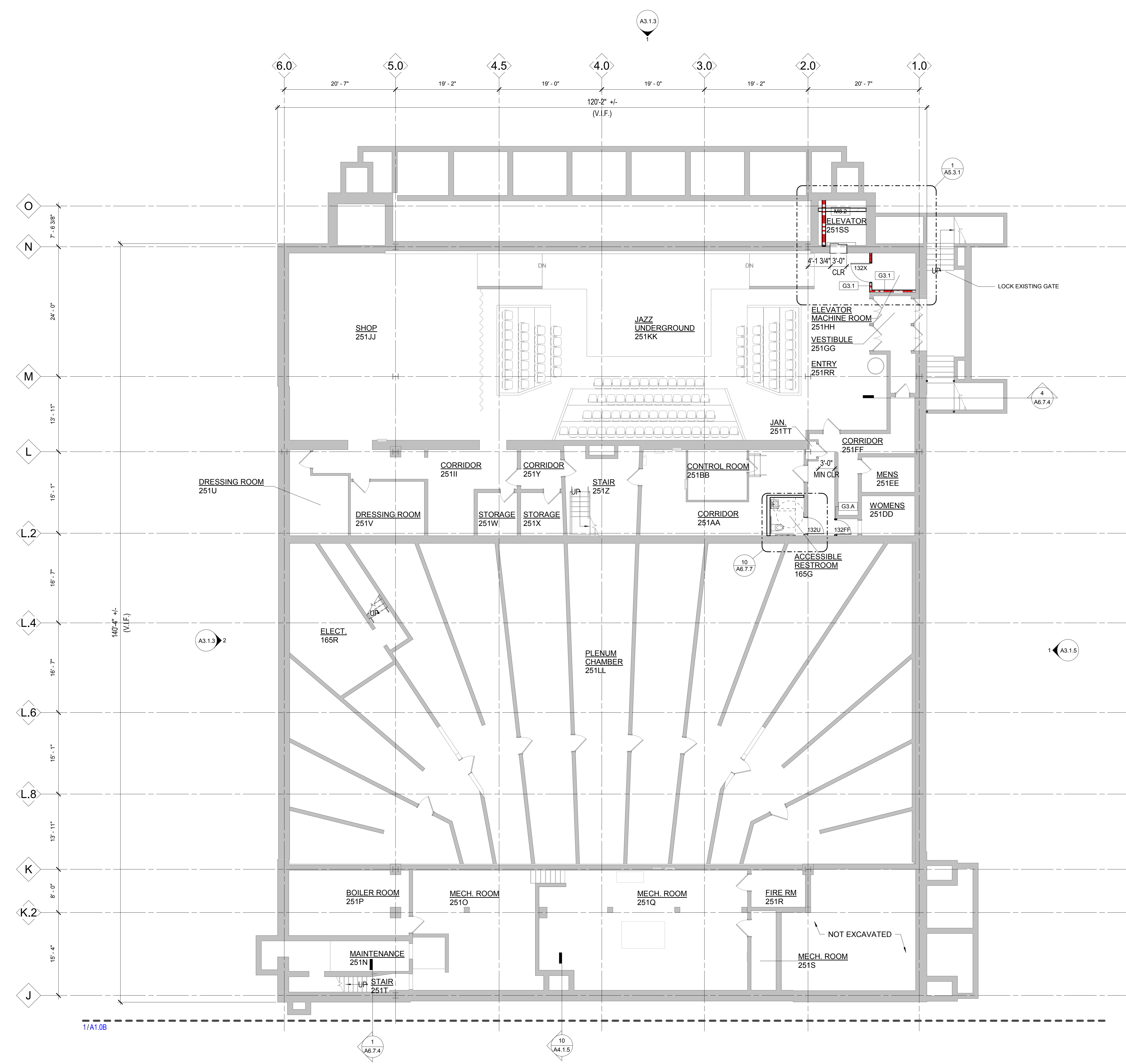
WSU - GATEWAY THEATER COMPLEX
WSU PROJECT NO. 189-178578
Drawing Title
LOWER LEVEL PLAN - SECTOR A

Project Number: 3995-001-00
Drawn By: Designer
Scale: As indicated
Seal:

FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

Signature: _____
Drawing No:

A1.0A



LOWER LEVEL - SECTOR A
1/8" = 1'-0"

Owner: Wayne State University FP&M
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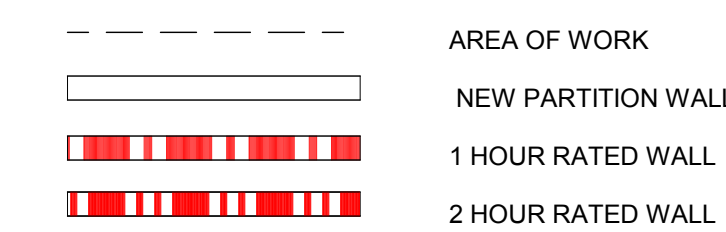
Landscape Architect: Hamilton Anderson
 1435 Randolph Street, Suite 200
 Detroit, MI 48226
 313.964.0270

Theatrical: Auerbach Pollock Friedlander
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 212.764.5630

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Acoustics / AV: Jaffe Holden
 114-A Washington Street
 Norwalk, CT 06864
 203.838.4168

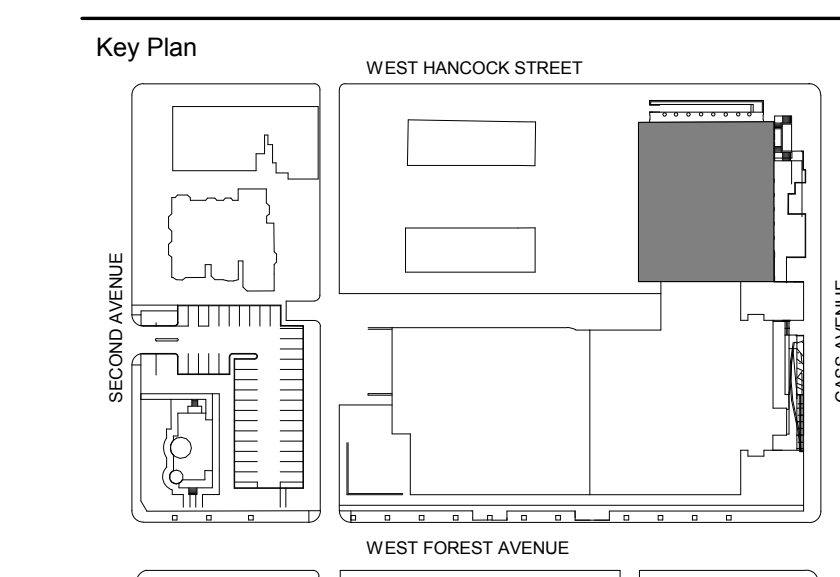
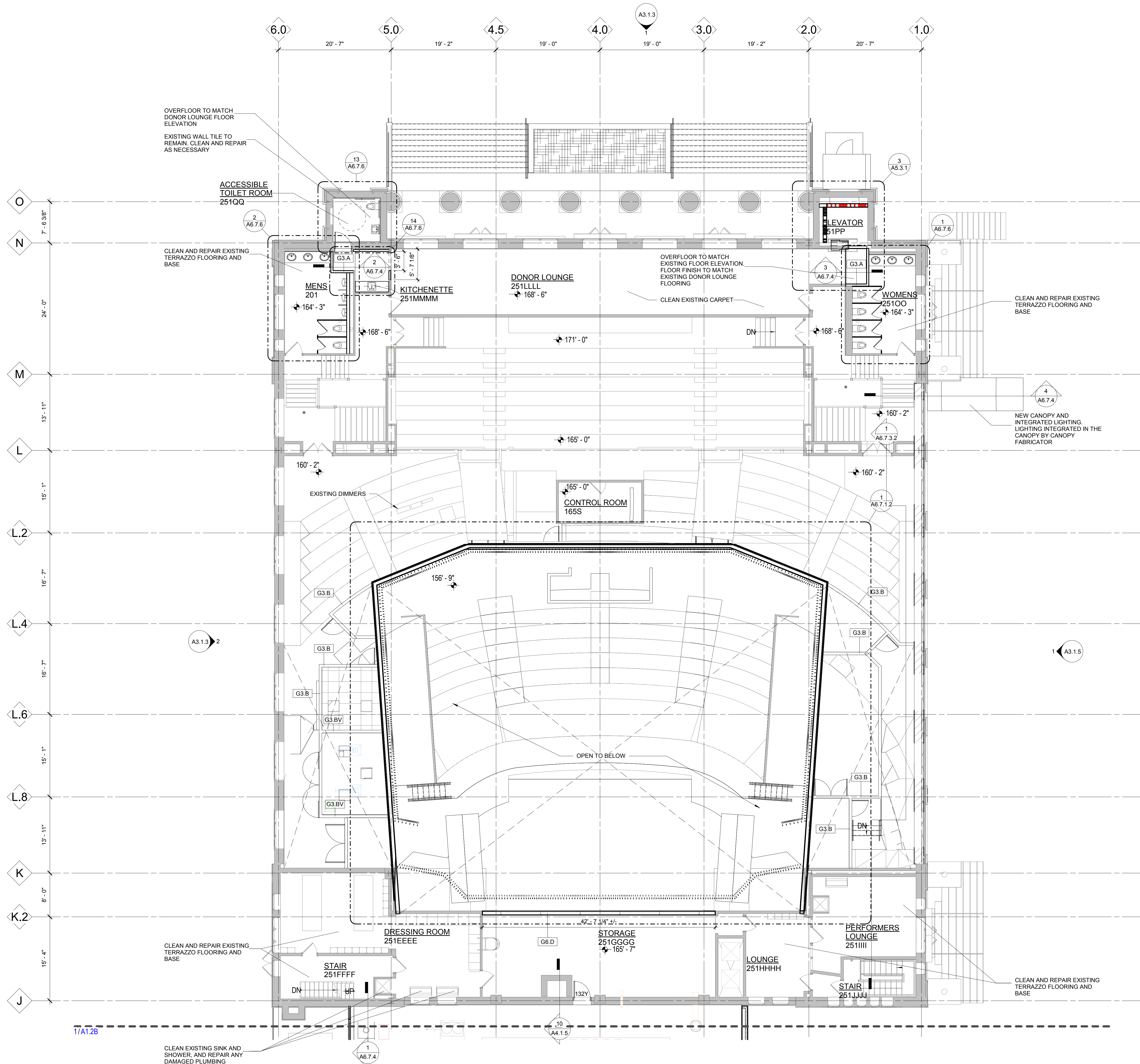
FLOOR PLAN LEGEND



FLOOR PLAN NOTES

- CONTRACTOR TO COORDINATE WITH ARCHITECT ALL DISCREPANCIES BETWEEN THE DRAWINGS AND EXISTING CONDITIONS PRIOR TO ANY WORK OR INSTALLATION
- ALL DIMENSIONS ARE TO FACE OF GYPSUM BOARD, COLUMN CENTERLINE, FACE OF CONCRETE, AND OR FACE OF MASONRY UNO
- PROVIDE PATCHING COMPOUND AND UNDERLAYMENT TO REPAIR FLOORS DAMAGED BY DEMOLITION. RESTORE FLOOR SURFACE TO A LEVEL SUBSTRATE SUITABLE FOR INSTALLATION OF NEW FLOORING.
- TYPICAL DOOR FRAME TO WALL DIMENSION IS 4" UNO. RE: A7.3
- REFER TO SHEET A7.4.1 FOR PARTITION TYPES
- REFER TO SHEET A7.4.3 FOR FIRESTOPPING AND PENETRATION DETAILS
- REFER TO SHEET A7.4.2 FOR WALL REINFORCING FOR MILLWORK, SHELVES, WALL MOUNTED EQUIPMENT
- REFER TO FLOOR FINISH PLANS (DRAWING SERIES A7.7) FOR:
 - FLOOR PATTERN INTENT
 - WALL PROTECTION LOCATIONS
 - TRANSITION LOCATIONS
- PROVIDE POSITIVE SLOPE AT ALL FLOOR DRAINS - REDUCE SUPPORTED SLAB DESIGNED THICKNESS BY 1/4" MAX TO ACCOMMODATE FLOOR SLOPE TO DRAIN
- REFER TO MECHANICAL, ELECTRICAL AND PLUMBING PLANS FOR EQUIPMENT PAD LOCATIONS.
- ALL BASE CABINETS TO BE AS NOTED W/ WOOD FILLER PANELS WHERE NEEDED
- NEW CONSTRUCTION WALLS TO BE FLUSH WITH EXISTING WHERE INDICATED.
- PROVIDE GLASSMATT BACKER AT ALL TOILET ROOM TILE WALLS.
- INFILL ALL UNUSED FLOORWALL PENETRATIONS TO MATCH ADJACENT SURFACE.
- PROVIDE ACOUSTIC BATT AT PUBLIC RESTROOM

PLAN KEYNOTES	
Number	Note
A1.15	NEW CANOPY AND INTEGRATED LIGHTING. LIGHTING INTEGRATED IN THE CANOPY BY CANOPY FABRICATOR.
A1.21	OVERFLOOR TO MATCH DONOR LOUNGE FLOOR ELEVATION
A1.22	EXISTING WALL TILE TO REMAIN. CLEAN AND REPAIR AS NECESSARY
A1.23	CLEAN EXISTING CARPET
A1.24	OVERFLOOR TO MATCH EXISTING FLOOR ELEVATION. FLOOR FINISH TO MATCH EXISTING DONOR LOUNGE FLOORING.
A1.25	CLEAN AND REPAIR EXISTING TERRAZZO FLOORING AND BASE
A1.26	CLEAN EXISTING SINK AND SHOWER, AND REPAIR ANY DAMAGED PLUMBING



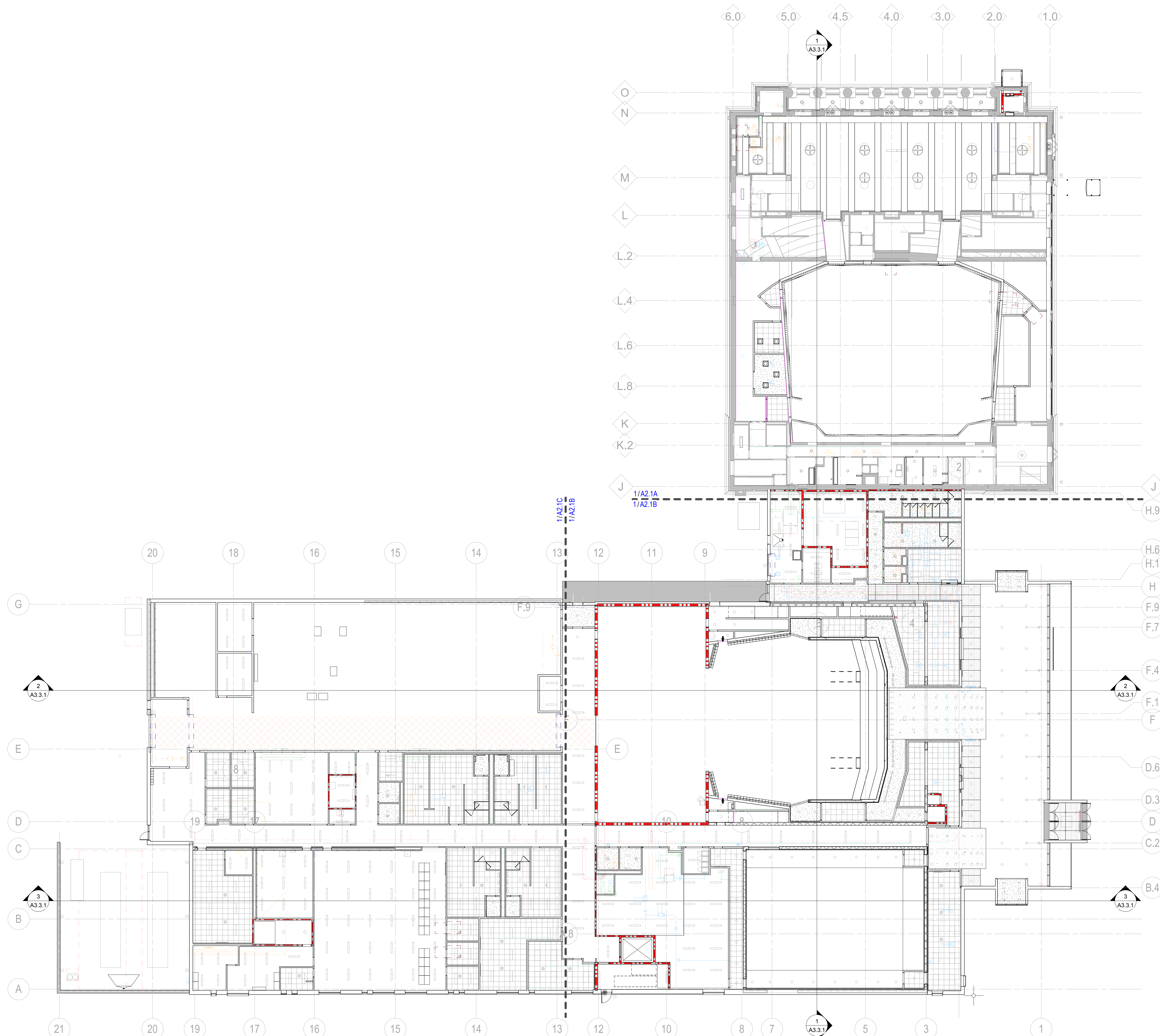
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Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
LEVEL TWO PLAN - SECTOR A

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: As indicated
 Seal:

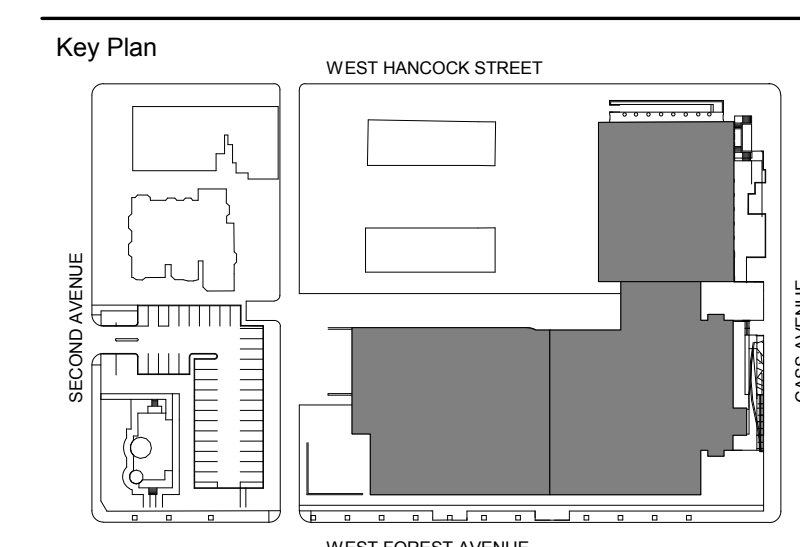
Signature: _____
 Drawing No:
A1.2A

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 212.764.5630
- Lighting** Auerbach Glasow
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 415.392.7528
- Acoustics / AV** Jaffe Holden
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Project
 WSU - GATEWAY
 THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
**COMPOSITE LEVEL
 ONE REFLECTED
 CEILING PLAN**

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: As indicated
 Seal:

Signature: _____
 Drawing No:

A2.0.1

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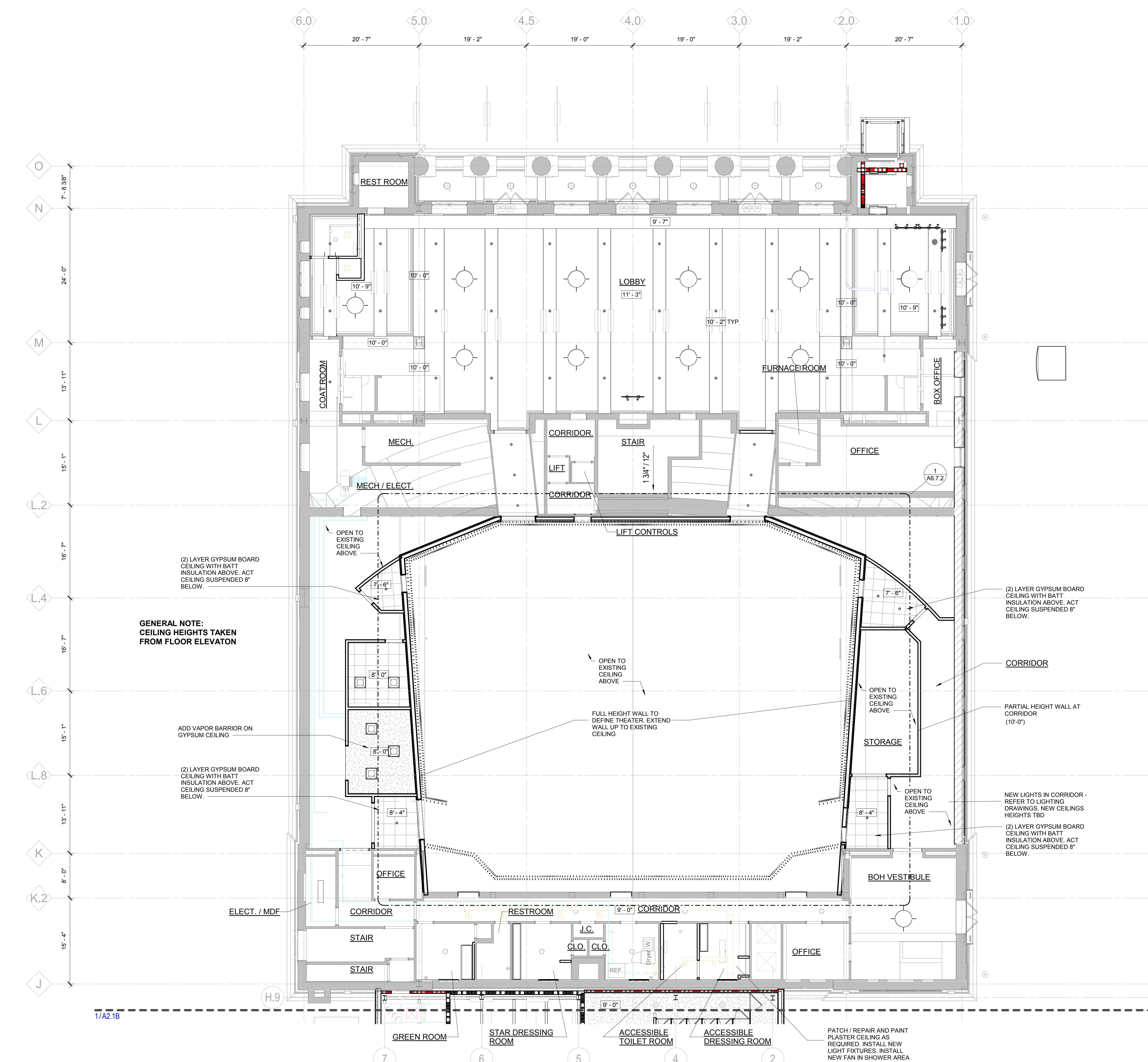
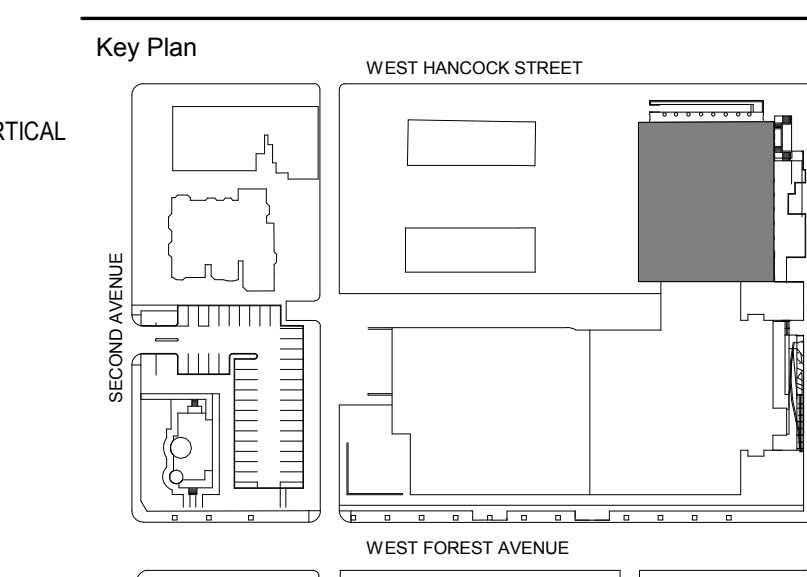
CEILING PLAN LEGEND

- ACT-1
- ACT-4
- GYP. BOARD
- MP-1
- AST-12
- ORN MET-4
- WD FAB-5
- STRIP LIGHTING
- 2X2 LAY-IN CEILING LIGHT, RE: ELEC
- RECESSED CAN LIGHT, RE: ELEC
- FF F. DECORATIVE PENDANT MOUNTED CORRIDOR, RE: ELEC
- DECORATIVE PENDANT MOUNTED DINING, RE: ELEC
- CEILING MOUNTED DUPLEX RECEPTACLE, RE: ELEC
- CEILING MOUNTED TELECOM, RE: ELEC
- CONCEALED SPRINKLER HEAD CUSTOM COLOR TO MATCH CLNG FINISH
- CEILING MOUNTED SMOKE DETECTOR, RE: ELEC
- EXIT LIGHTING W/ DIRECTIONAL ARROWS (SHADED AREAS INDICATE FACE)
- EXIT LIGHTING W/ DIRECTIONAL ARROWS (SHADED AREAS INDICATE FACE)
- EXIT LIGHTING (SHADED AREA INDICATES FACE)
- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST REGISTER

CEILING PLAN GENERAL NOTES

1. REFER TO ARCHITECTURAL GENERAL INFORMATION SHEET FOR CEILING SYMBOLS AND ABBREVIATIONS
2. REFER TO MECHANICAL AND ELECTRICAL GENERAL INFORMATION SHEET FOR CEILING SYMBOLS AND ABBREVIATIONS
3. REFER TO FLOOR PLANS FOR PARTITION TYPE DESIGNATIONS
4. COORDINATE LOCATION OF ALL ELEMENTS WITHIN HARD CEILING WITH ARCHITECT PRIOR TO INSTALLATION
5. CENTER ALL CEILING GRIDS WITHIN ROOMS UNLESS NOTED OTHERWISE
6. PROVIDE BLOCKING IN CEILING AS REQUIRED FOR DISPLAY FIXTURES, DECORATIVE LIGHT FIXTURES, CEILING HUNG EQUIPMENT, TOILET PARTITIONS, ETC.
7. ALL CEILING MOUNTED EQUIPMENT (SPRINKLER HEADS, SPEAKERS, LIGHT FIXTURES, SMOKE DETECTORS, ETC) SHALL BE CENTERED IN CEILING TILES
8. CENTER ALL SMOKE DETECTORS WHEN LOCATED IN GYP BD CORRIDOR CEILING UNLESS NOTED OTHERWISE
9. GYPSUM BOARD SOFFITS INDICATED TO RECEIVE PAINT ON HORIZONTAL AND VERTICAL SURFACE UNLESS OTHERWISE NOTED
10. SPRINKLER HEAD COVERS TO MATCH SURFACE ON WHICH THEY LAY - FINISH COLOR TO BE SELECTED BY ARCHITECT - COORDINATE WITH FIRE PROTECTION/MECHANICAL
11. DIFFUSERS TO MATCH THE FINISH OF THE SURFACE ON WHICH THEY LAY - FINISH COLOR TO BE SELECTED BY ARCHITECT
12. ALL ELEMENTS IN EXPOSED CEILING APPLICATIONS ABOVE HEIGHT 'XX'-XXX" ARE TO MATCH PAINTED SURFACE ON WHICH THEY LAY UNLESS PROHIBITED BY CODE, INCLUDING, BUT NOT LIMITED TO:
 - MECHANICAL ELEMENTS (DUCT WORK)
 - ELECTRICAL ELEMENTS
 - PLUMBING ELEMENTS
 - STRUCTURAL ELEMENTS (STRUCTURAL DECK)
 - DO NOT PAINT SPRAY ON FIREPROOFING
13. ALL STRUCTURE IN LOBBY TO BE PT-11
 ALL ELEMENTS IN EXPOSED LOBBY CEILING TO BE PAINTED PT-3
14. EXISTING CEILINGS- PATCH AND REPAIR EXISTING CEILING TO MATCH ADJACENT EXISTING CONSTRUCTION AT COMPLETION OF OVERHEAD PLUMBING AND MECHANICAL WORK. EXISTING CEILING TILES TO BE REMOVED, PROTECTED AND REPLACED. SEE MECHANICAL DRAWINGS
15. ANY MEP SCHEDULED TO BE REMOVED THAT PENETRATES ANY OF THE PLASTER CEILING OR CONCRETE SLAB WILL NEED TO HAVE THE RESULTING VOIDS REPAIRED/ ENCLOSED.

PLAN KEYNOTES	
Number	Note
A2.01	FULL HEIGHT WALL TO DEFINE THEATER. EXTEND WALL UP TO EXISTING CEILING
A2.02	PARTIAL HEIGHT WALL AT CORRIDOR
A2.04	NEW LIGHTS IN CORRIDOR - REFER TO LIGHTING DRAWINGS. NEW CEILINGS HEIGHTS TBD
A2.05	PATCH / REPAIR AND PAINT PLASTER CEILING AS REQUIRED. INSTALL NEW LIGHT FIXTURES. INSTALL NEW FAN IN SHOWER AREA



GENERAL NOTE:
 CEILING HEIGHTS TAKEN FROM FLOOR ELEVATION

ADD VAPOR BARRIER ON GYPSUM CEILING

(2) LAYER GYPSUM BOARD CEILING WITH BATT INSULATION ABOVE. ACT CEILING SUSPENDED 8" BELOW.

(2) LAYER GYPSUM BOARD CEILING WITH BATT INSULATION ABOVE. ACT CEILING SUSPENDED 8" BELOW.

PARTIAL HEIGHT WALL AT CORRIDOR (10'-0")

NEW LIGHTS IN CORRIDOR - REFER TO LIGHTING DRAWINGS. NEW CEILINGS HEIGHTS TBD

(2) LAYER GYPSUM BOARD CEILING WITH BATT INSULATION ABOVE. ACT CEILING SUSPENDED 8" BELOW.

PATCH / REPAIR AND PAINT PLASTER CEILING AS REQUIRED. INSTALL NEW LIGHT FIXTURES. INSTALL NEW FAN IN SHOWER AREA

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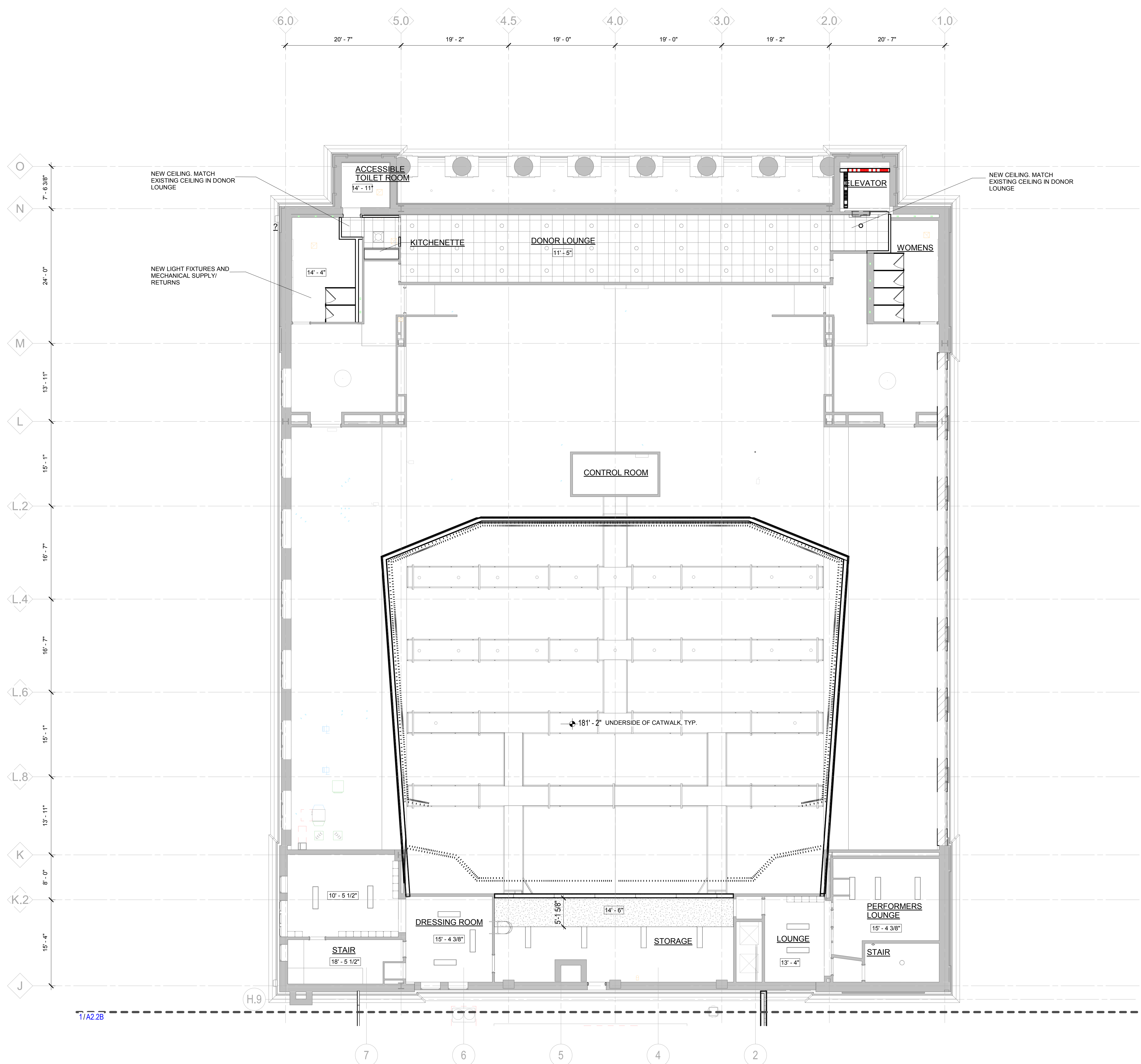
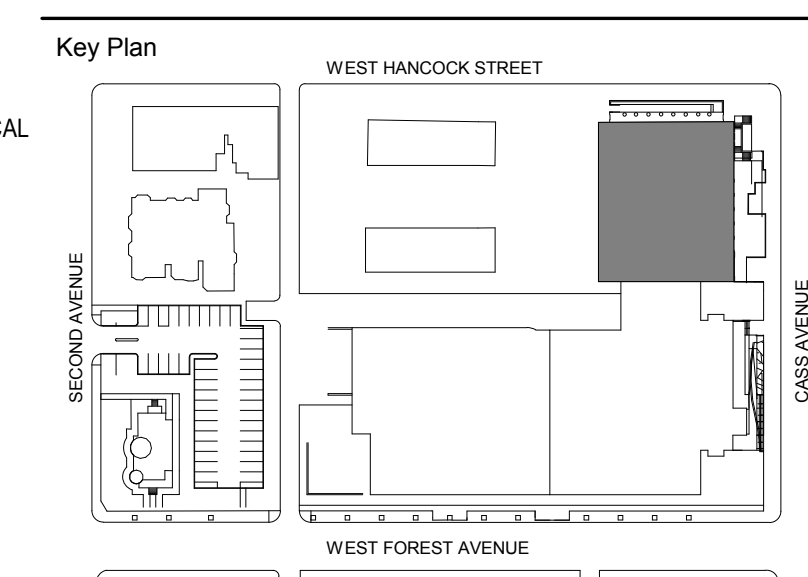
CEILING PLAN LEGEND

- ACT-1
- ACT-4
- GYP. BOARD
- MP-1
- AST-12
- ORN MET-4
- WD FAB-5
- STRIP LIGHTING
- 2X2 LAY-IN CEILING LIGHT, RE: ELEC
- RECESSED CAN LIGHT, RE: ELEC
- FLX DECORATIVE PENDANT MOUNTED CORRIDOR, RE: ELEC
- DECORATIVE PENDANT MOUNTED DINING, RE: ELEC
- CEILING MOUNTED DUPLEX RECEPTACLE, RE: ELEC
- CEILING MOUNTED TELECOM, RE: ELEC
- CONCEALED SPRINKLER HEAD CUSTOM COLOR TO MATCH CLNG FINISH
- CEILING MOUNTED SMOKE DETECTOR, RE: ELEC
- EXIT LIGHTING W/ DIRECTIONAL ARROWS (SHADED AREAS INDICATE FACE)
- EXIT LIGHTING W/ DIRECTIONAL ARROWS (SHADED AREAS INDICATE FACE)
- EXIT LIGHTING (SHADED AREA INDICATES FACE)
- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST REGISTER

CEILING PLAN GENERAL NOTES

1. REFER TO ARCHITECTURAL GENERAL INFORMATION SHEET FOR CEILING SYMBOLS AND ABBREVIATIONS
2. REFER TO MECHANICAL AND ELECTRICAL GENERAL INFORMATION SHEET FOR CEILING SYMBOLS AND ABBREVIATIONS
3. REFER TO FLOOR PLANS FOR PARTITION TYPE DESIGNATIONS
4. COORDINATE LOCATION OF ALL ELEMENTS WITHIN HARD CEILING WITH ARCHITECT PRIOR TO INSTALLATION
5. CENTER ALL CEILING GRIDS WITHIN ROOMS UNLESS NOTED OTHERWISE
6. PROVIDE BLOCKING IN CEILING AS REQUIRED FOR DISPLAY FIXTURES, DECORATIVE LIGHT FIXTURES, CEILING HUNG EQUIPMENT, TOILET PARTITIONS, ETC.
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 - COORDINATE WITH FIRE PROTECTION MECHANICAL
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12. ALL ELEMENTS IN EXPOSED CEILING APPLICATIONS ABOVE HEIGHT XX'-XX" ARE TO MATCH PAINTED SURFACE ON WHICH THEY LAY UNLESS PROHIBITED BY CODE, INCLUDING, BUT NOT LIMITED TO:
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 - ELECTRICAL ELEMENTS
 - PLUMBING ELEMENTS
 - STRUCTURAL ELEMENTS (STRUCTURAL DECK)
 - DO NOT PAINT SPRAY ON FIREPROOFING
13. ALL STRUCTURE IN LOBBY TO BE PT-11
 ALL ELEMENTS IN EXPOSED LOBBY CEILING TO BE PAINTED PT-3
14. EXISTING CEILINGS: PATCH AND REPAIR EXISTING CEILING TO MATCH ADJACENT EXISTING CONSTRUCTION AT COMPLETION OF OVERHEAD PLUMBING AND MECHANICAL WORK. EXISTING CEILING TILES TO BE REMOVED, PROTECTED AND REPLACED. SEE MECHANICAL DRAWINGS
15. ANY MEP SCHEDULED TO BE REMOVED THAT PENETRATES ANY OF THE PLASTER CEILING OR CONCRETE SLAB WILL NEED TO HAVE THE RESULTING VOIDS REPAIRED/ ENCLOSED.

PLAN KEYNOTES	
Number	Note
A2.06	NEW CEILING. MATCH EXISTING CEILING IN DONOR LOUNGE
A2.08	NEW LIGHT FIXTURES AND MECHANICAL SUPPLY/ RETURNS



LEVEL TWO RCP - SECTOR A
 1/8" = 1'-0"

100% DESIGN DEVELOPMENT FEB. 06, 2019

Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
LEVEL TWO REFLECTED CEILING PLAN - SECTOR A

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: As indicated
 Seal:

Signature: _____
 Drawing No:
A2.2A

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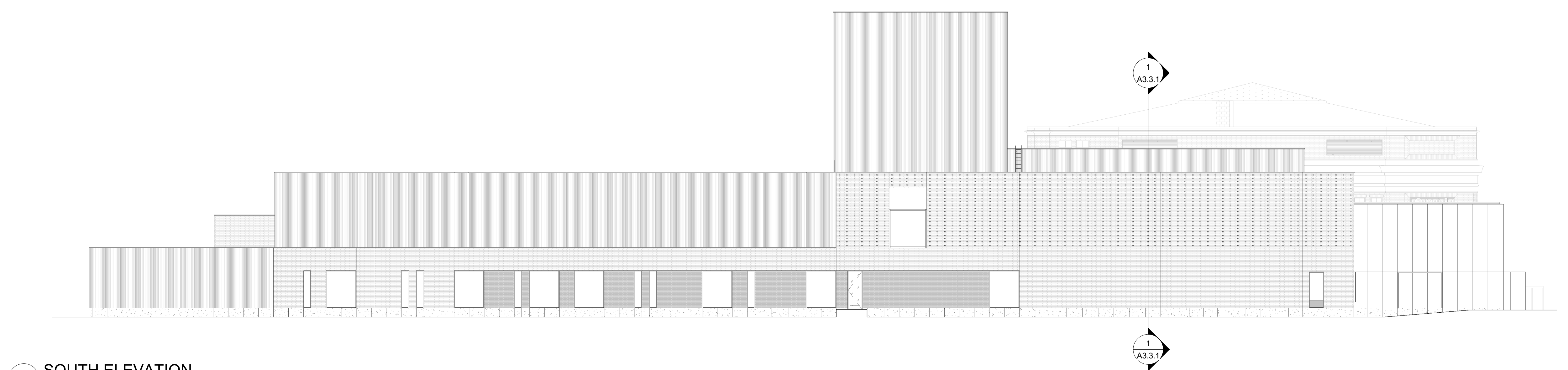
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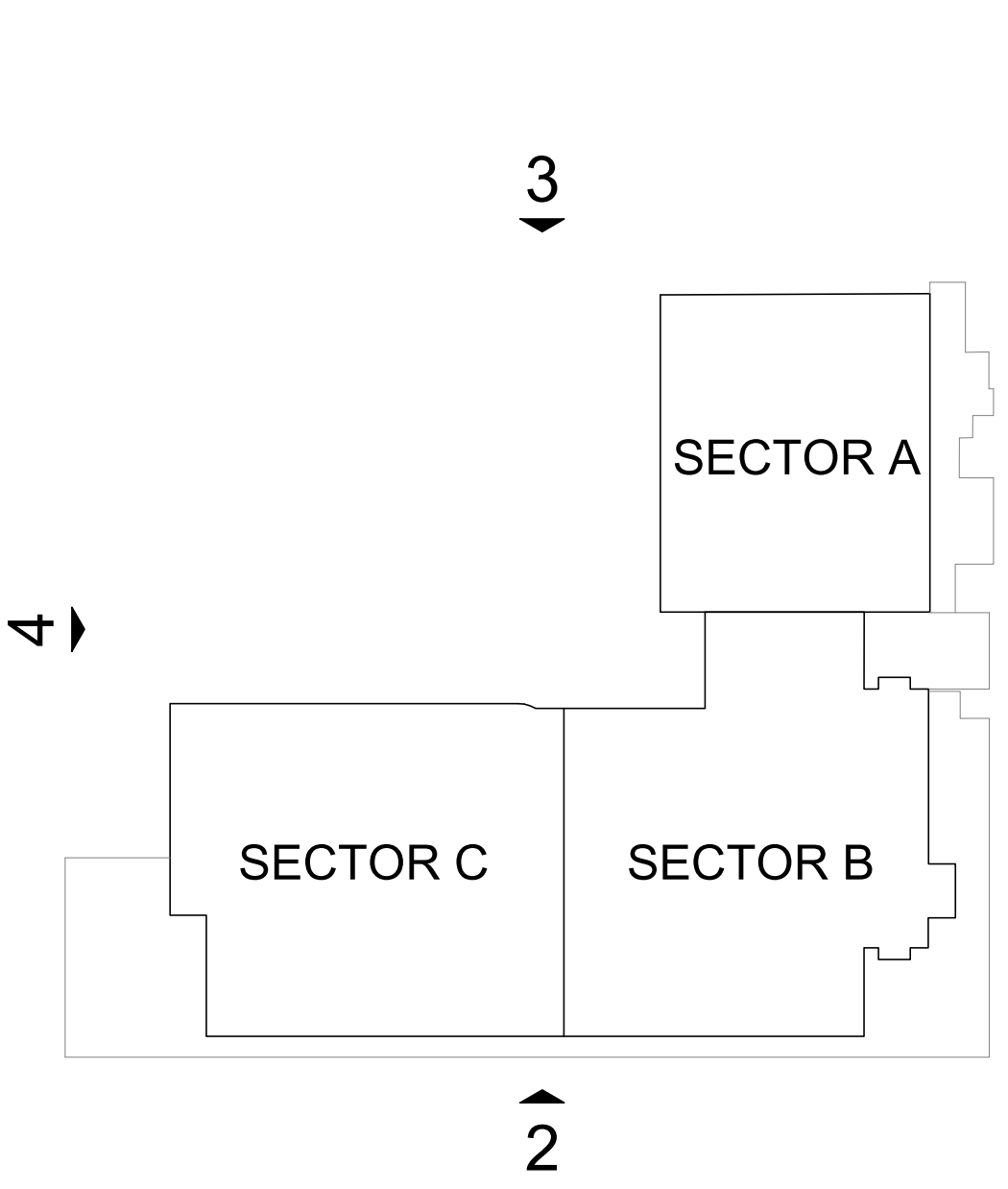
4 WEST ELEVATION
 1/16" = 1'-0"



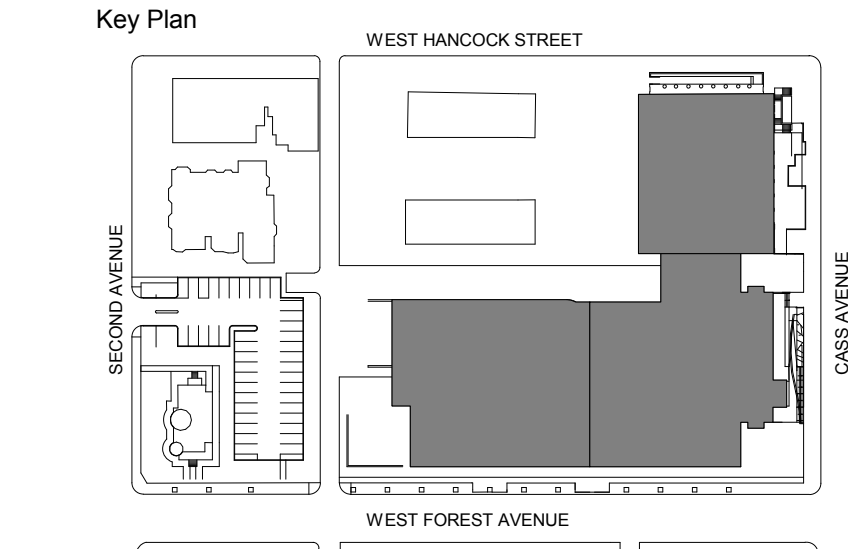
3 NORTH ELEVATION
 1/16" = 1'-0"



2 SOUTH ELEVATION
 1/16" = 1'-0"



1 EAST ELEVATION
 1/16" = 1'-0"



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Project	

WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
BUILDING ELEVATIONS

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: As indicated
 Seal:

Signature: _____
 Drawing No:

A3.1.1

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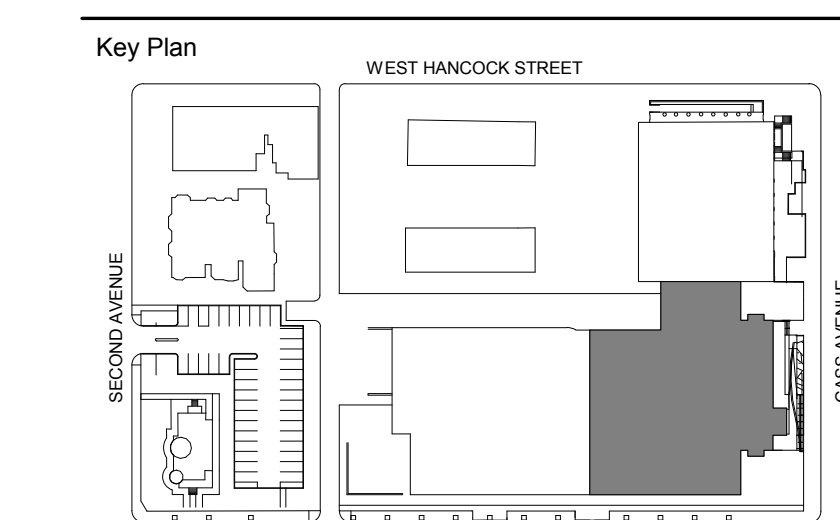
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Project
**WSU - GATEWAY
THEATER COMPLEX**
WSU PROJECT NO. 189-178578
Drawing Title
**BUILDING
ELEVATIONS**

Project Number: 3995-001-00

Drawn By: Designer

Scale: As indicated

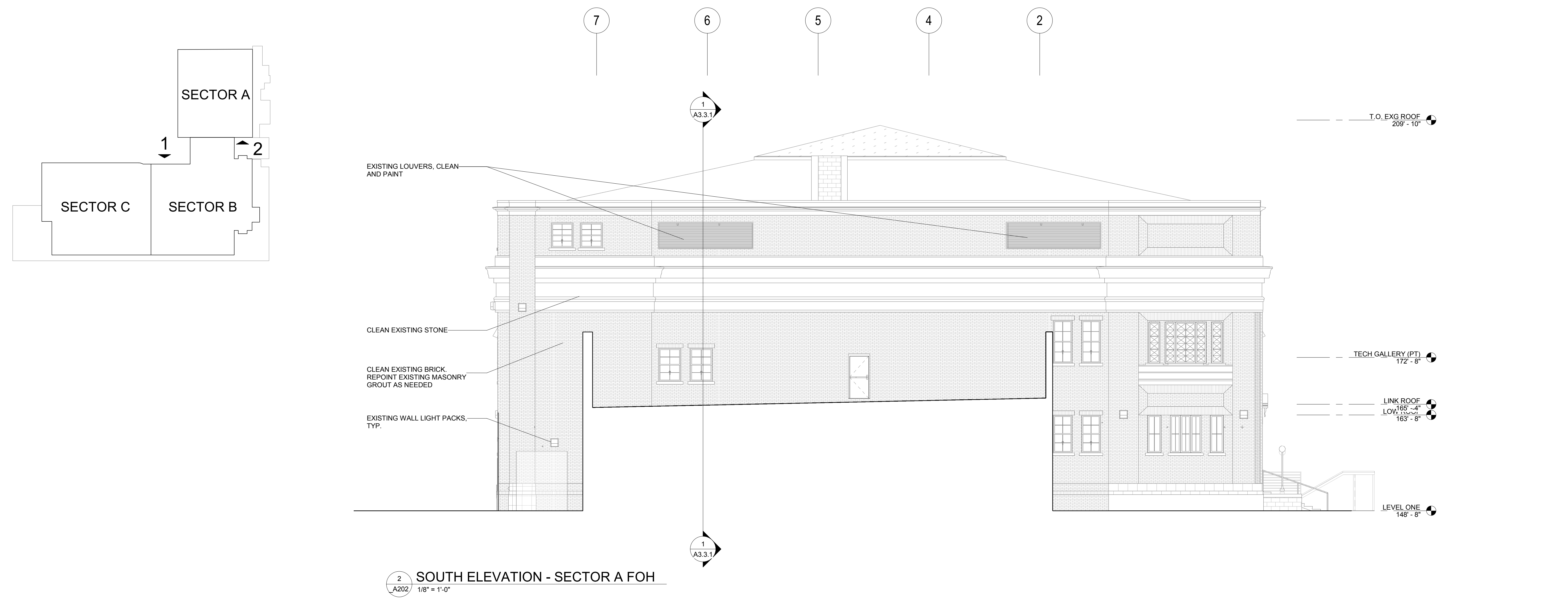
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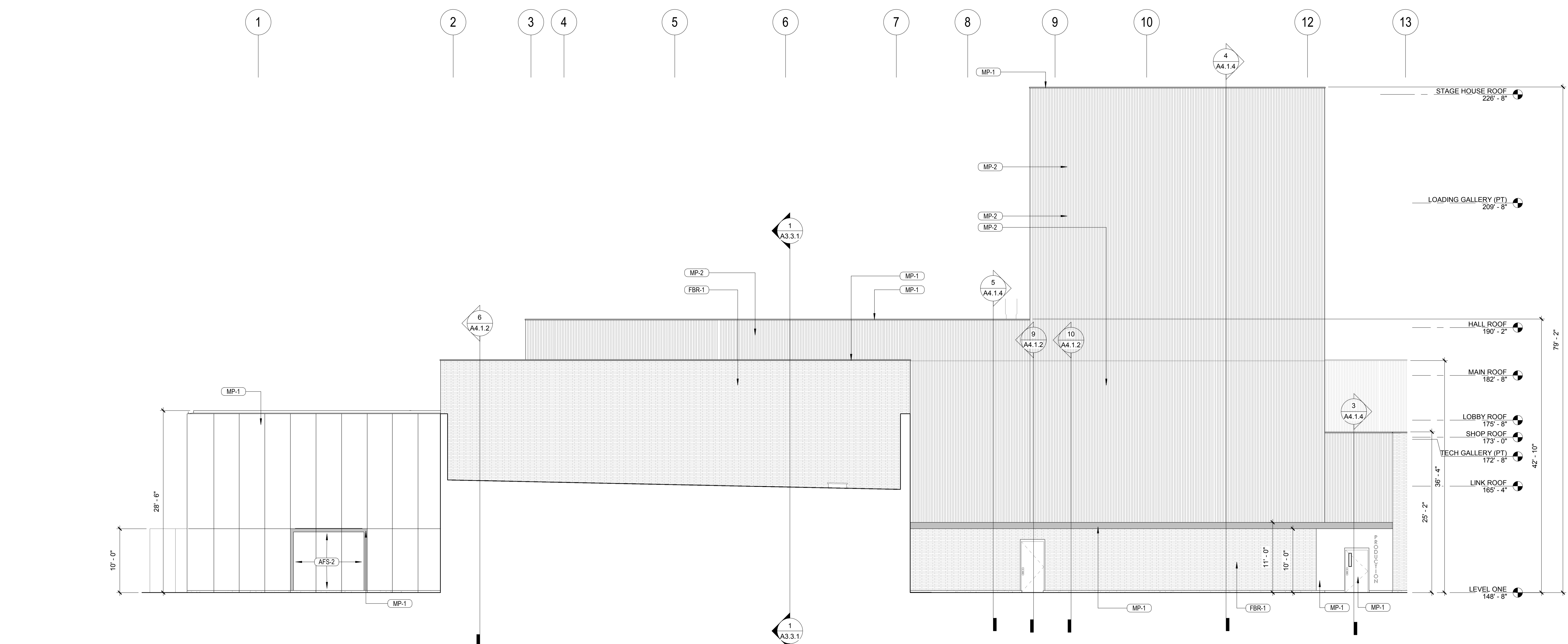
Drawing No:

A3.1.4

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2 SOUTH ELEVATION - SECTOR A FOH
A202 1/8" = 1'-0"



1 NORTH ELEVATION - SECTOR B
A202 1/8" = 1'-0"

Sheet Size: 30" x 42" Template Version BIM 360://WSU/Hillary Gateway/18-WSU/Hillary Gateway-399500100.rvt

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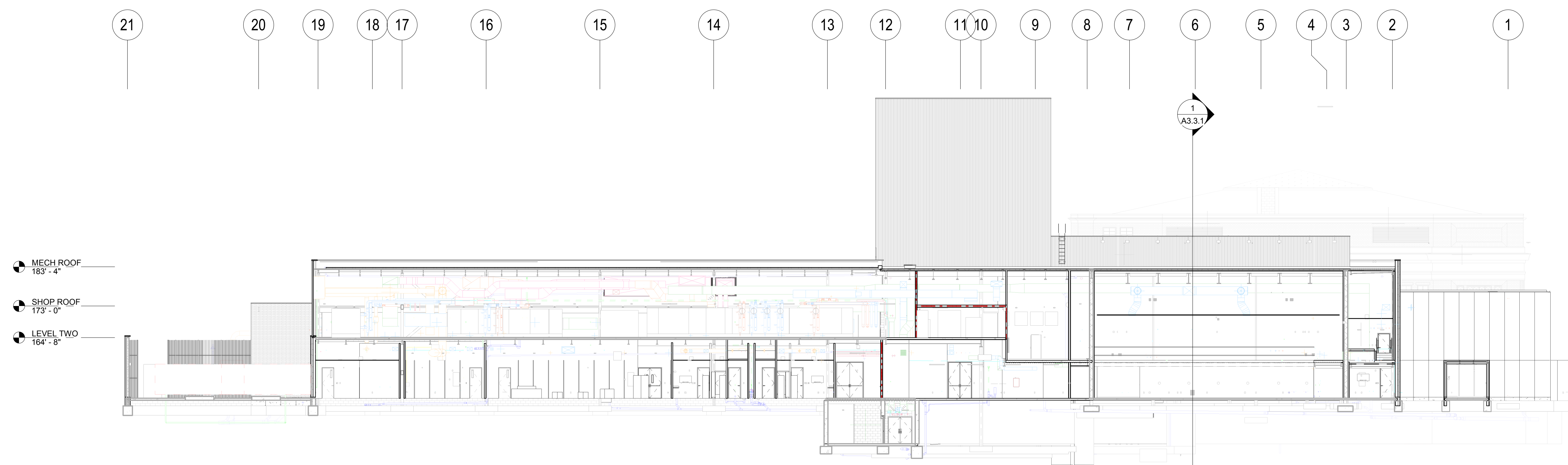
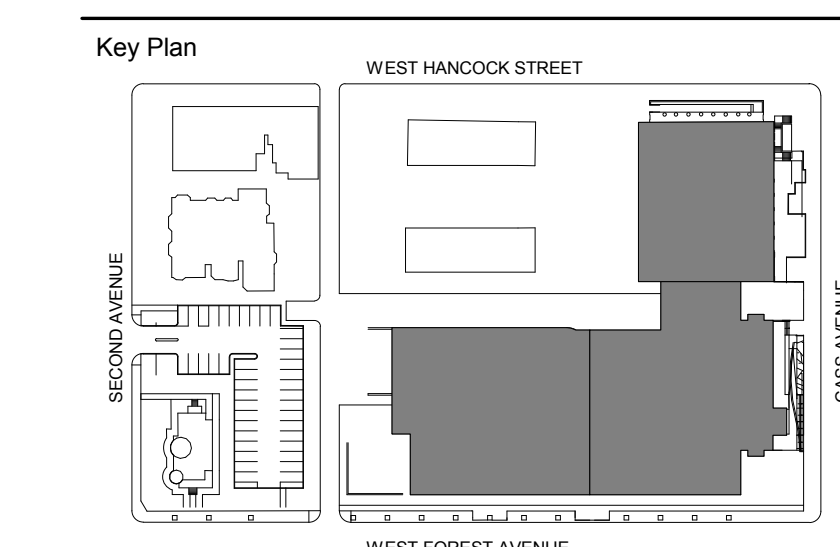
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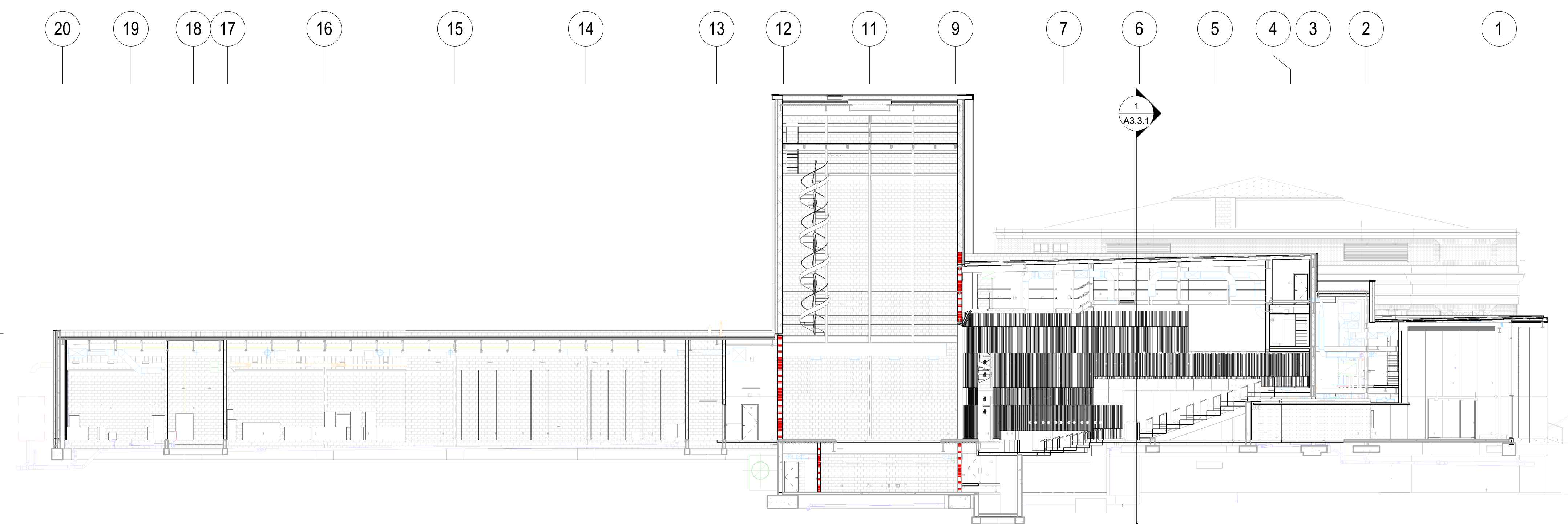
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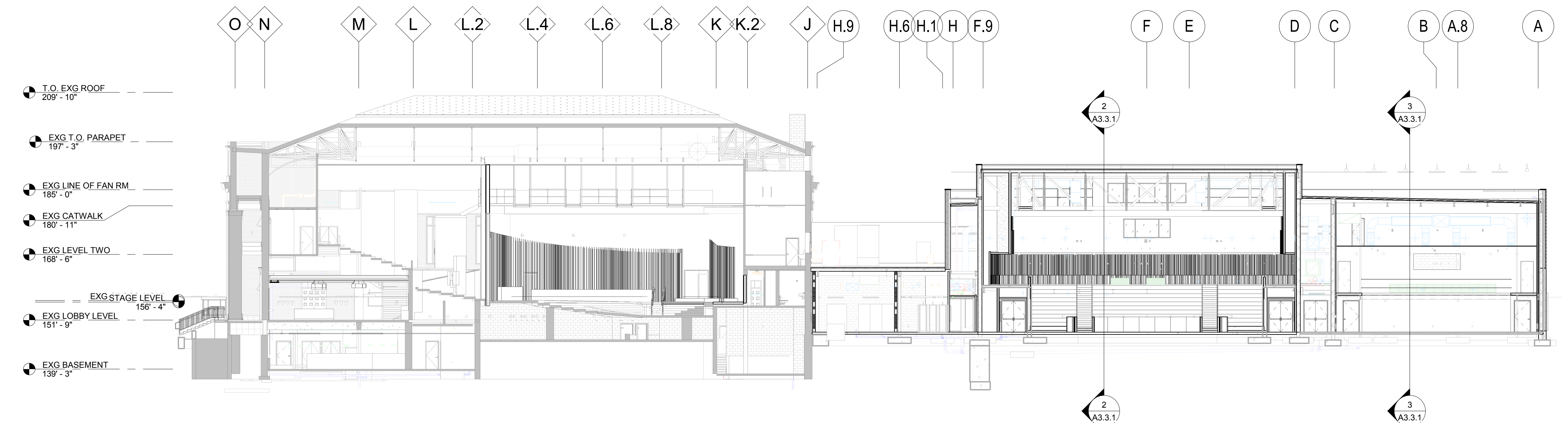
DETROIT, MI



E/W BUILDING SECTION THROUGH STUDIO THEATER
 3
 A200 1/16" = 1'-0"



E/W BUILDING SECTION THROUGH PROCENIUM THEATER
 2
 A200 1/16" = 1'-0"



N/S BUILDING SECTION
 1
 A200 1/16" = 1'-0"

- STAGE HOUSE ROOF 226' - 8"
- HALL ROOF 190' - 2"
- MAIN ROOF 182' - 8"
- LOBBY ROOF 175' - 8"
- LEVEL ONE 148' - 8"
- BASEMENT 136' - 8"
- STAGE HOUSE ROOF 226' - 8"
- GRIDIRON (THEATER) 216' - 8"
- LOADING GALLERY (PT) 209' - 8"
- HALL ROOF 190' - 2"
- MAIN ROOF 182' - 8"
- LOBBY ROOF 175' - 8"
- LEVEL TWO 164' - 8"
- LEVEL ONE 148' - 8"
- BASEMENT 136' - 8"
- LOADING GALLERY (PT) 209' - 8"
- HALL ROOF 190' - 2"
- MAIN ROOF 182' - 8"
- TECH GALLERY (PT) 172' - 8"
- LEVEL TWO 164' - 8"
- LEVEL ONE 148' - 8"
- BASEMENT 136' - 8"

100% DESIGN DEVELOPMENT FEB. 06, 2019

Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
BUILDING SECTIONS

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: 1/16" = 1'-0"
 Seal:

Signature: _____
 Drawing No:

A3.3.1

FOR REFERENCE ONLY -
 NOT FOR CONSTRUCTION

Owner: Wayne State University FP&M
 5454 Cass Ave
 Detroit, MI 48202
 313.577.2424

Contractor: Walbridge
 777 Woodward Ave. Suite 300
 Detroit, MI 48202
 313.963.8000

Executive Architect: Hamilton Anderson
 1435 Randolph Street, Suite 200
 Detroit, MI 48226
 313.964.0270

Design Architect: HGA
 420 5th Street N, Suite 100
 Minneapolis, MN 55401
 612.758.4000

MEP Engineer: HGA
 420 5th Street N, Suite 100
 Minneapolis, MN 55401
 612.758.4000

Structural Engineer: DESAI / NASR Consulting Engineers Inc.
 6765 Daly Road
 West Bloomfield, MI 48322
 248.392.2010

Civil Engineer: Spalding DeDecker
 905 South Blvd East
 Rochester Hills, MI 48307
 800.598.1600

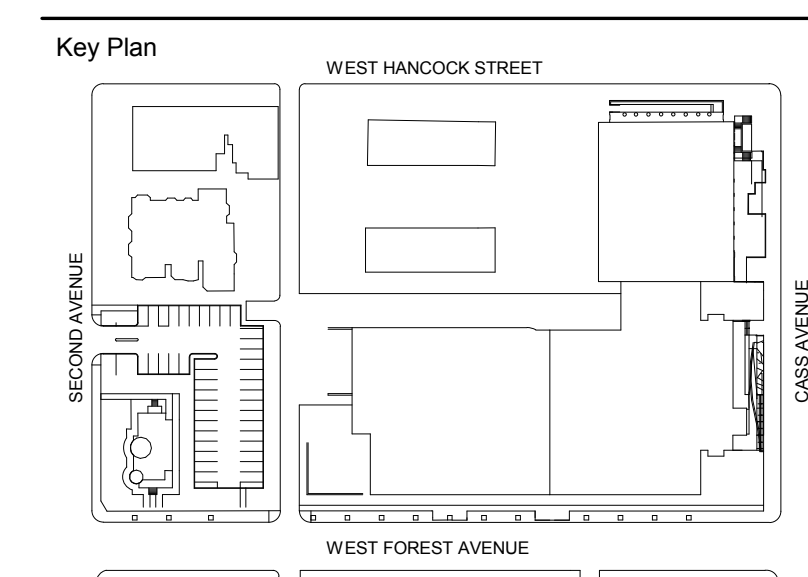
Landscape Architect: Hamilton Anderson
 1435 Randolph Street, Suite 200
 Detroit, MI 48226
 313.964.0270

Theatrical: Auerbach Pollock Friedlander
 285 West 37th Street
 New York, NY 10018
 212.764.5630

Lighting: Auerbach Glasow
 1045 Sansome Street, Suite 300
 San Francisco, CA 94111
 415.392.7528

Acoustics / AV: Jaffe Holden
 114-A Washington Street
 Norwalk, CT 06864
 203.836.4168

DETROIT, MI



100% DESIGN DEVELOPMENT FEB. 06, 2019

Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
ELEVATOR PLANS & SECTIONS

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: 1/4" = 1'-0"
 Seal:

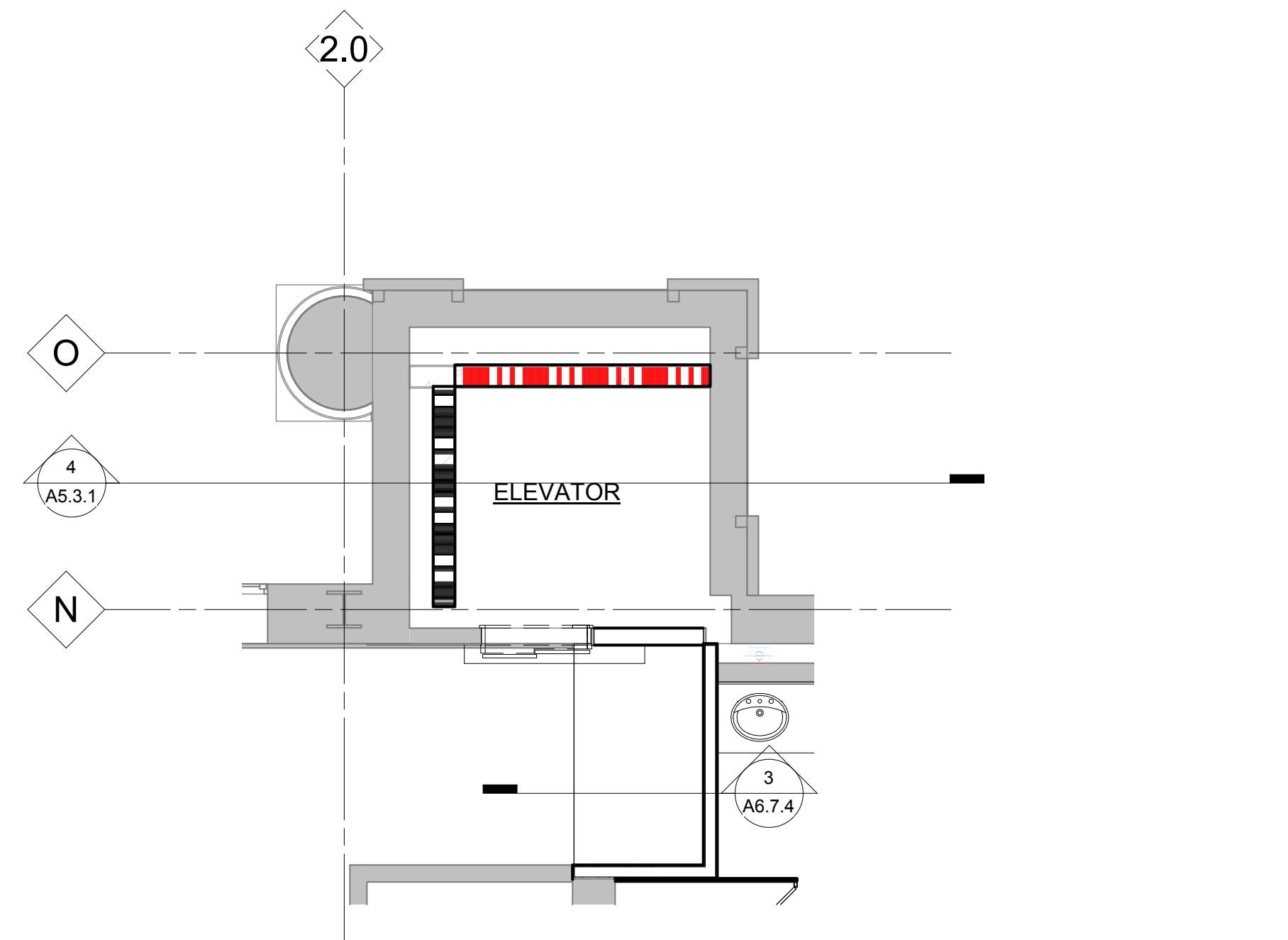
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A5.3.1

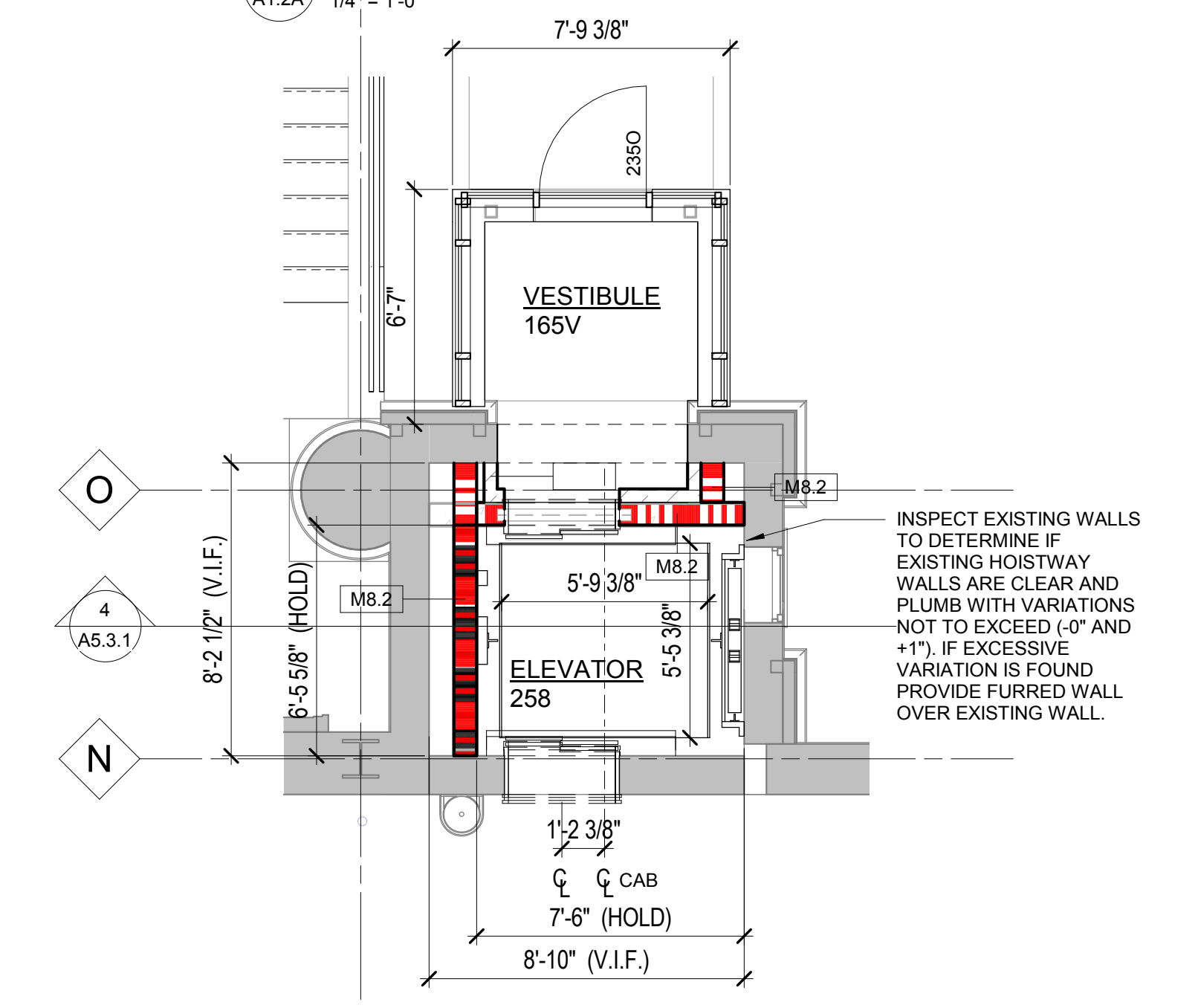
FOR REFERENCE ONLY -
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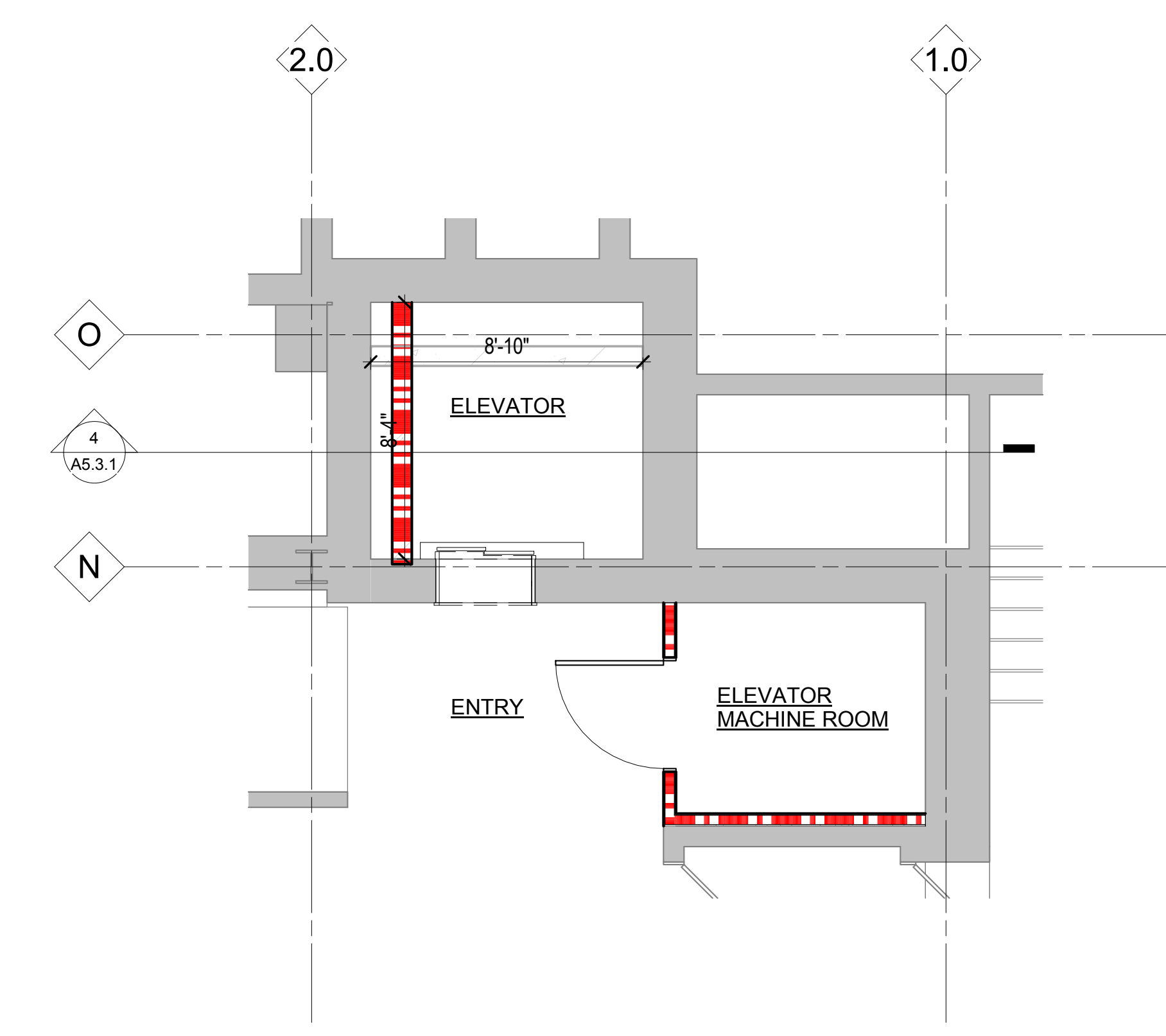
4
 A5.3.1
 1/4" = 1'-0"



3
 A1.2A
 1/4" = 1'-0"



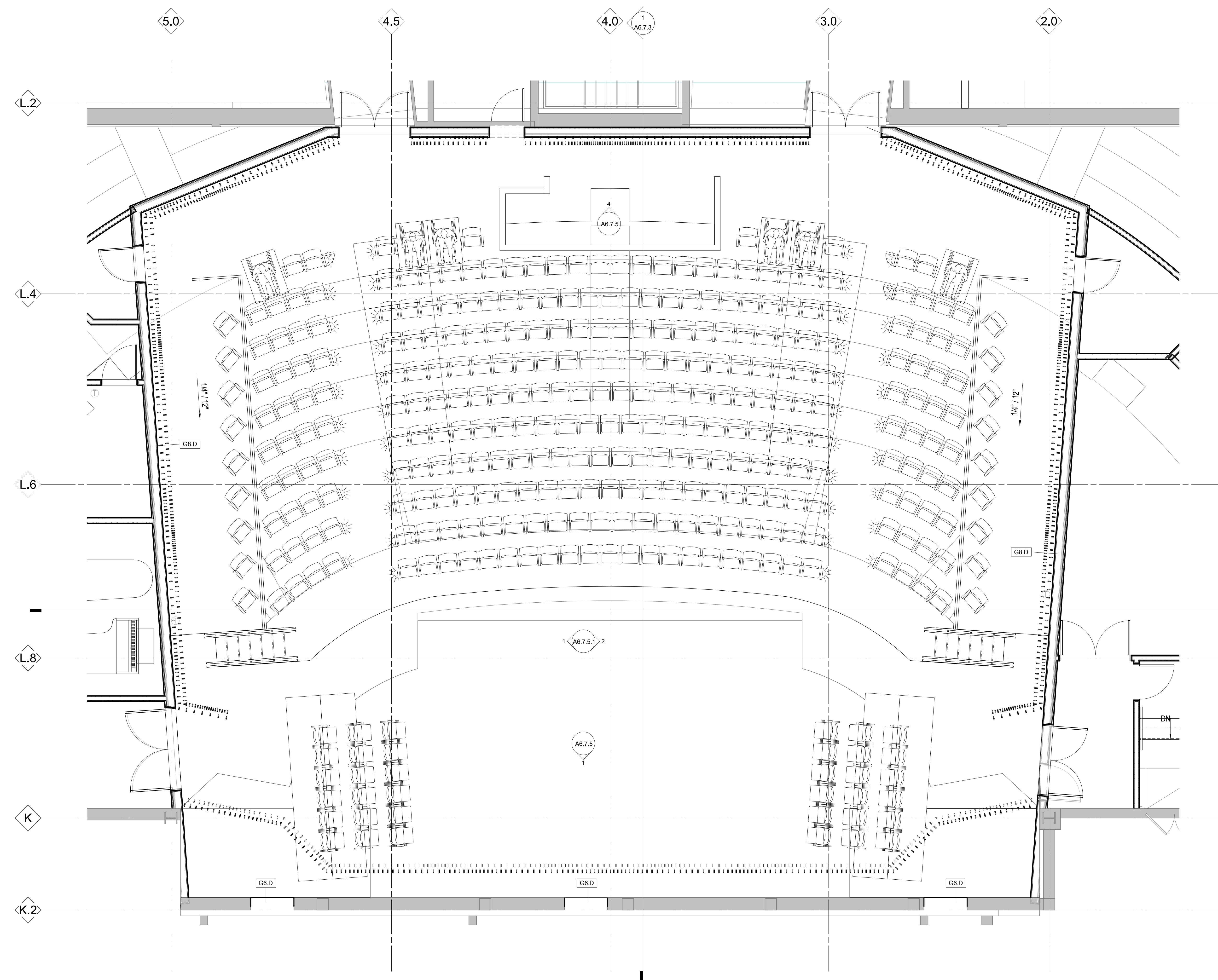
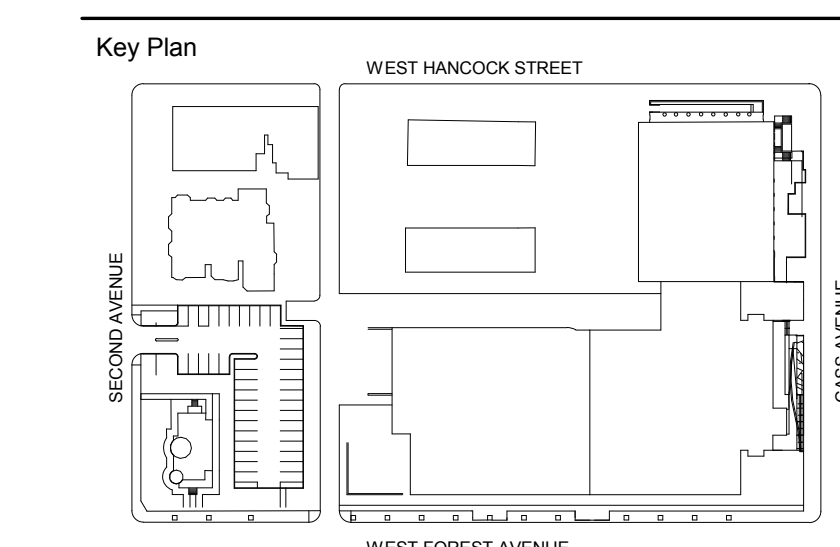
2
 A1.1A
 1/4" = 1'-0"



1
 A1.0A
 1/4" = 1'-0"

- Owner: Wayne State University FP&M
5454 Cass Ave
Detroit, MI 48202
313.577.2424
- Contractor: Walbridge
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- MEP Engineer: HGA
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- Structural Engineer: DESAI / NASR Consulting Engineers Inc.
6765 Daly Road
West Bloomfield, MI 48322
248.392.2010
- Civil Engineer: Spalding DeDecker
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800.598.1600
- Landscape Architect: Hamilton Anderson
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Detroit, MI 48226
313.964.0270
- Theatrical: Auerbach Pollock Friedlander
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New York, NY 10018
212.764.5630
- Lighting: Auerbach Glasow
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San Francisco, CA 94111
415.392.7528
- Acoustics / AV: Jaffe Holden
114-A Washington Street
Norwalk, CT 06864
203.836.4168

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100% DESIGN DEVELOPMENT FEB. 06, 2019

Project
**WSU - GATEWAY
 THEATER COMPLEX**
 WSU PROJECT NO. 189-178578
 Drawing Title
**ENLARGED PLAN -
 VALADE THEATER**

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: 1/4" = 1'-0"
 Seal:

Signature: _____
 Drawing No:
A6.7.1

**FOR REFERENCE ONLY -
 NOT FOR CONSTRUCTION**

1 VALADE THEATER - ENLARGED PLAN LEVEL ONE
 A1.1A 1/4" = 1'-0"

Owner: Wayne State University FP&M
 5454 Cass Ave
 Detroit, MI 48202
 313.577.2424

Contractor: Walbridge
 777 Woodward Ave. Suite 300
 Detroit, MI 48202
 313.963.8000

Executive Architect: Hamilton Anderson
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Structural Engineer: DESAI / NASR Consulting Engineers Inc.
 6765 Daly Road
 West Bloomfield, MI 48322
 248.392.2010

Civil Engineer: Spalding DeDecker
 905 South Blvd East
 Rochester Hills, MI 48307
 800.598.1600

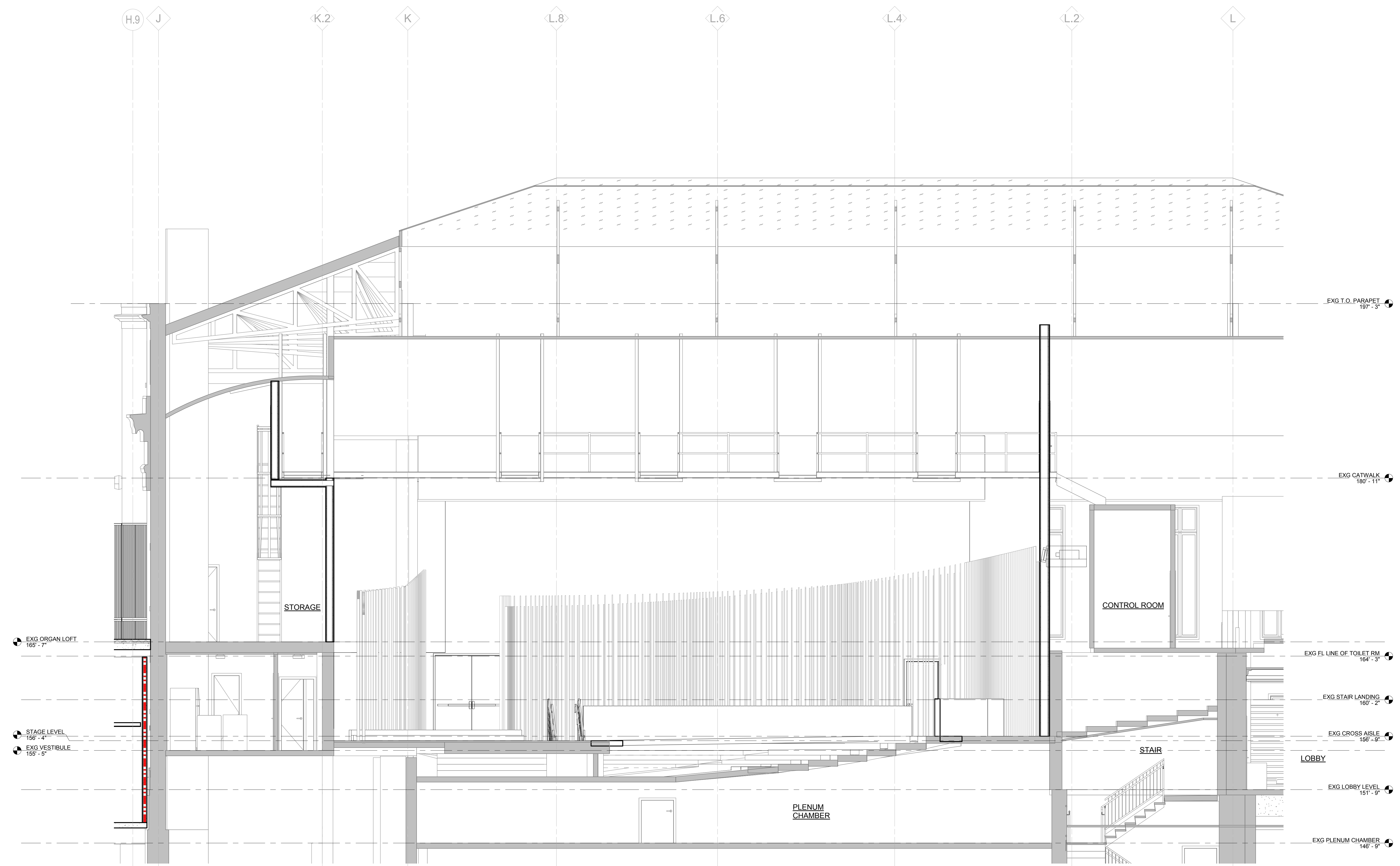
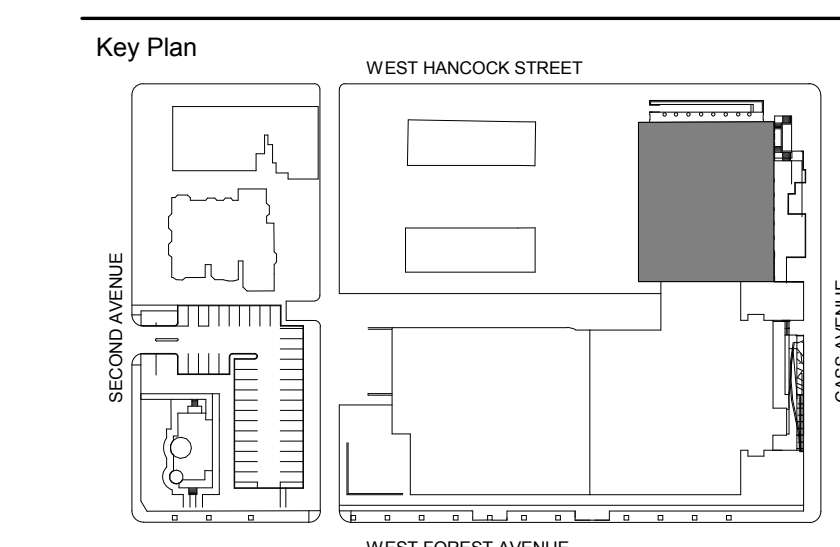
Landscape Architect: Hamilton Anderson
 1435 Randolph Street, Suite 200
 Detroit, MI 48226
 313.964.0270

Theatrical: Auerbach Pollock Friedlander
 285 West 37th Street
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DETROIT, MI



EXG ORGAN LOFT
 165' - 7"

STAGE LEVEL
 156' - 4"

EXG VESTIBULE
 155' - 0"

STORAGE

PLENUM CHAMBER

CONTROL ROOM

STAIR

EXG FL LINE OF TOILET RM
 164' - 3"

EXG STAIR LANDING
 160' - 2"

EXG CROSS AISLE
 156' - 0"

EXG LOBBY LEVEL
 151' - 9"

EXG PLENUM CHAMBER
 146' - 9"

LOBBY

VALADE THEATER LONGITUDINAL SECTION
 1
 A205 1/4" = 1'-0"

100% DESIGN DEVELOPMENT FEB. 06, 2019

Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
SECTION - VALADE THEATER

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: 1/4" = 1'-0"
 Seal:

FOR REFERENCE ONLY -
 NOT FOR CONSTRUCTION

Signature:
 Drawing No:

A6.7.3

BATHROOM GENERAL NOTES

- REFER TO SHEET CS 4 FOR MOUNTING HEIGHTS AND CLEAR FLOOR SPACE REQUIREMENTS.
- FLUSH CONTROLS SHOULD BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET.

ACCESSORIES

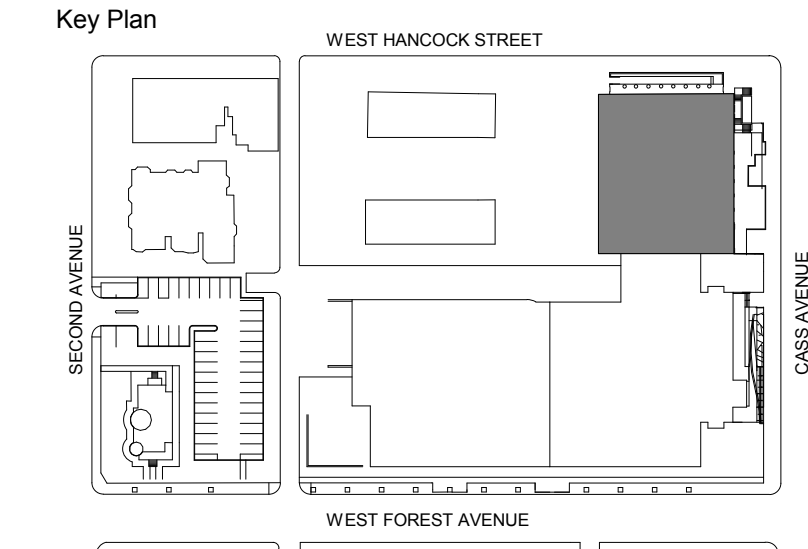
- ADA ACCESSIBLE REST ROOMS**
- MIRROR ABOVE SINK
 - TOILET PAPER HOLDER
 - SANITARY NAPKIN DISPOSAL RECEPTACLE
 - STAINLESS STEEL PEENED GRIP GRAB BAR AT TOILET
 - PROTECTIVE COVER ON HOT AND COLD WATER SUPPLY AT SINK
 - ELECTRIC HAND DRYER
 - ELECTRIC SOAP DISPENSER

- IN SHOWER:**
- SOAP DISH
 - COLLAPSIBLE SHOWER STALL SEAT
 - STAINLESS STEEL PEENED GRIP GRAB BAR
 - SHOWER CURTAIN ROD, INC. WITH ROLL-IN SHOWER ENCLOSURE
 - TWO ROBE HOOKS (ON BATHROOM DOOR OR WALL)

- MENS / WOMENS TOILET ROOM (LEVEL 2)**
- MIRROR ABOVE SINK
 - TOILET PAPER HOLDER
 - SANITARY NAPKIN DISPOSAL RECEPTACLE
 - ELECTRIC HAND DRYER
 - ELECTRIC SOAP DISPENSE
 - FLOOR MOUNTED TOILET PARTITIONS
- PROVIDE SUBSTANTIAL AND ADEQUATE BACKING WITHIN WALLS AT ALL ACCESSORY MOUNTING LOCATIONS.

Owner	Wayne State University FP&M 5454 Cass Ave Detroit, MI 48202 313.577.2424
Contractor	Walbridge 777 Woodward Ave. Suite 300 Detroit, MI 48202 313.963.8000
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Design Architect	HGA 420 5th Street N, Suite 100 Minneapolis, MN 55401 612.758.4000
MEP Engineer	HGA 420 5th Street N, Suite 100 Minneapolis, MN 55401 612.758.4000
Structural Engineer	DESAI / NASR Consulting Engineers Inc. 6765 Daly Road West Bloomfield, MI 48322 248.392.2010
Civil Engineer	Spalding DeDecker 905 South Blvd East Rochester Hills, MI 48307 800.598.1600
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Acoustics / AV	Jaffe Holden 114-A Washington Street Norwalk, CT 06864 203.636.4168

DETROIT, MI



100% DESIGN DEVELOPMENT	FEB. 06, 2019
Project	
Project Number:	3995-001-00
Drawn By:	Designer
Scale:	As indicated
Seal:	

WSU - GATEWAY THEATER COMPLEX

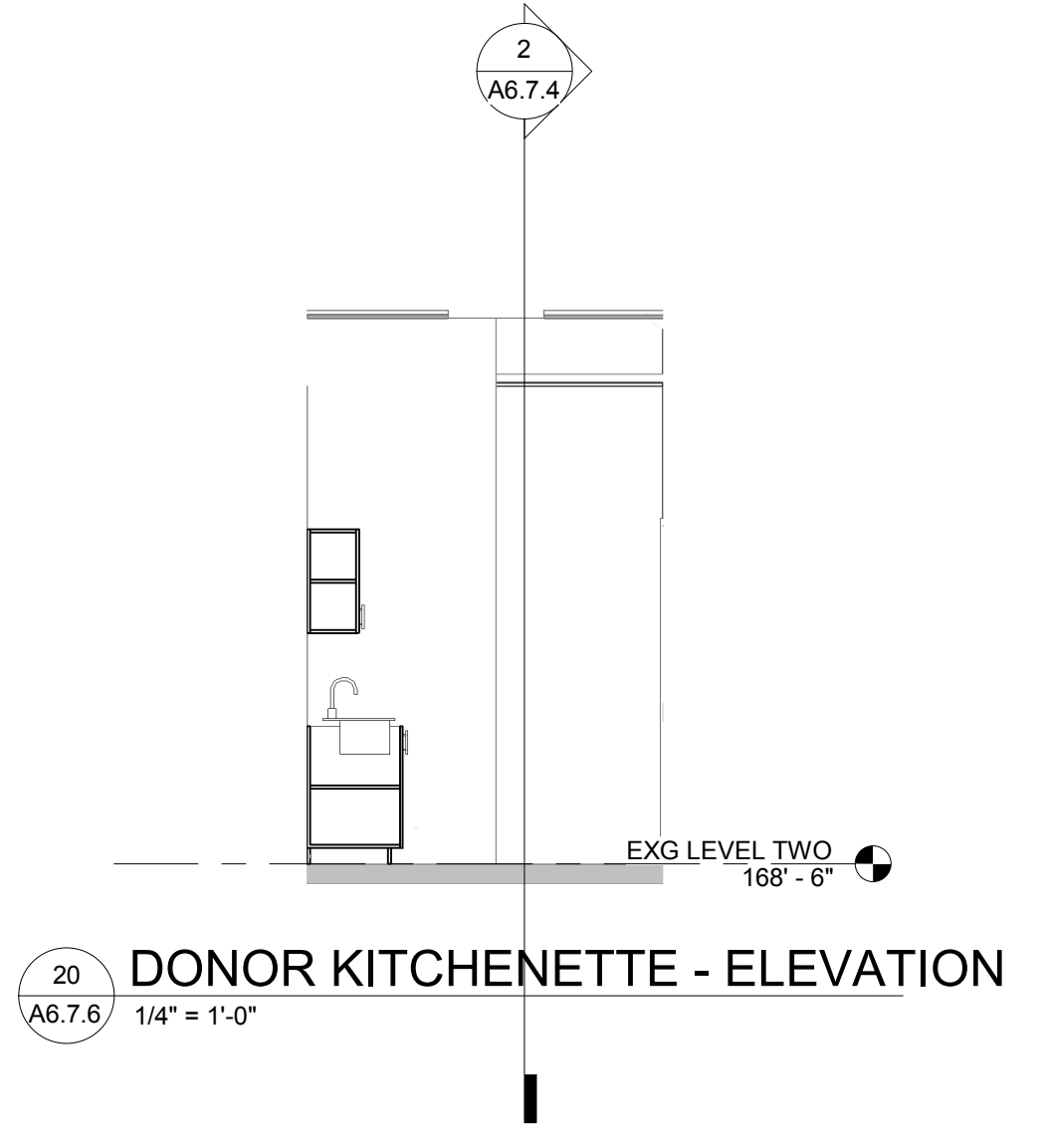
WSU PROJECT NO. 189-178578
 Drawing Title
ENLARGED TOILET AND KITCHEN PLANS AND ELEVATIONS - VALADE

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: As indicated
 Seal:

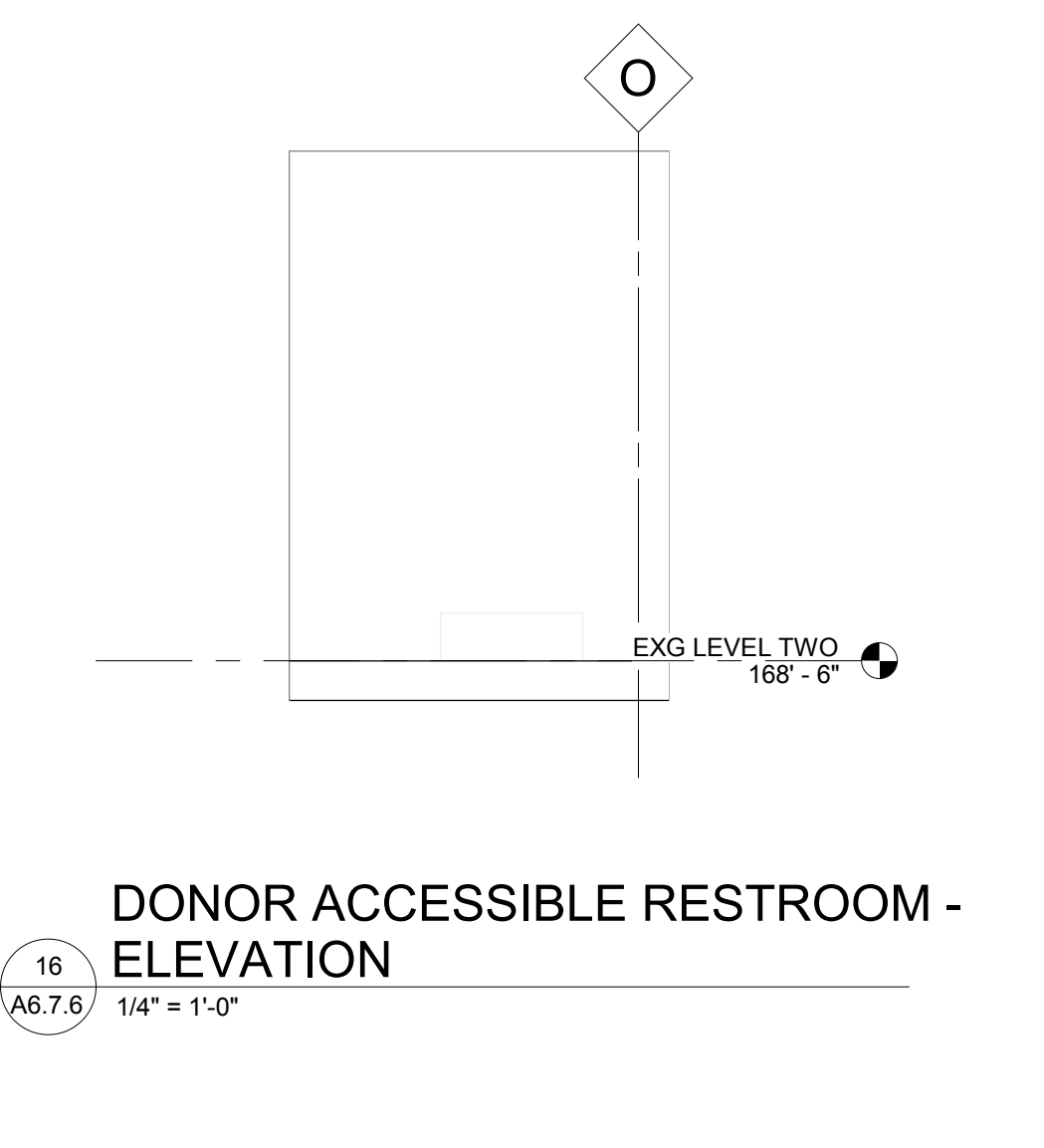
FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

Signature: _____
 Drawing No:

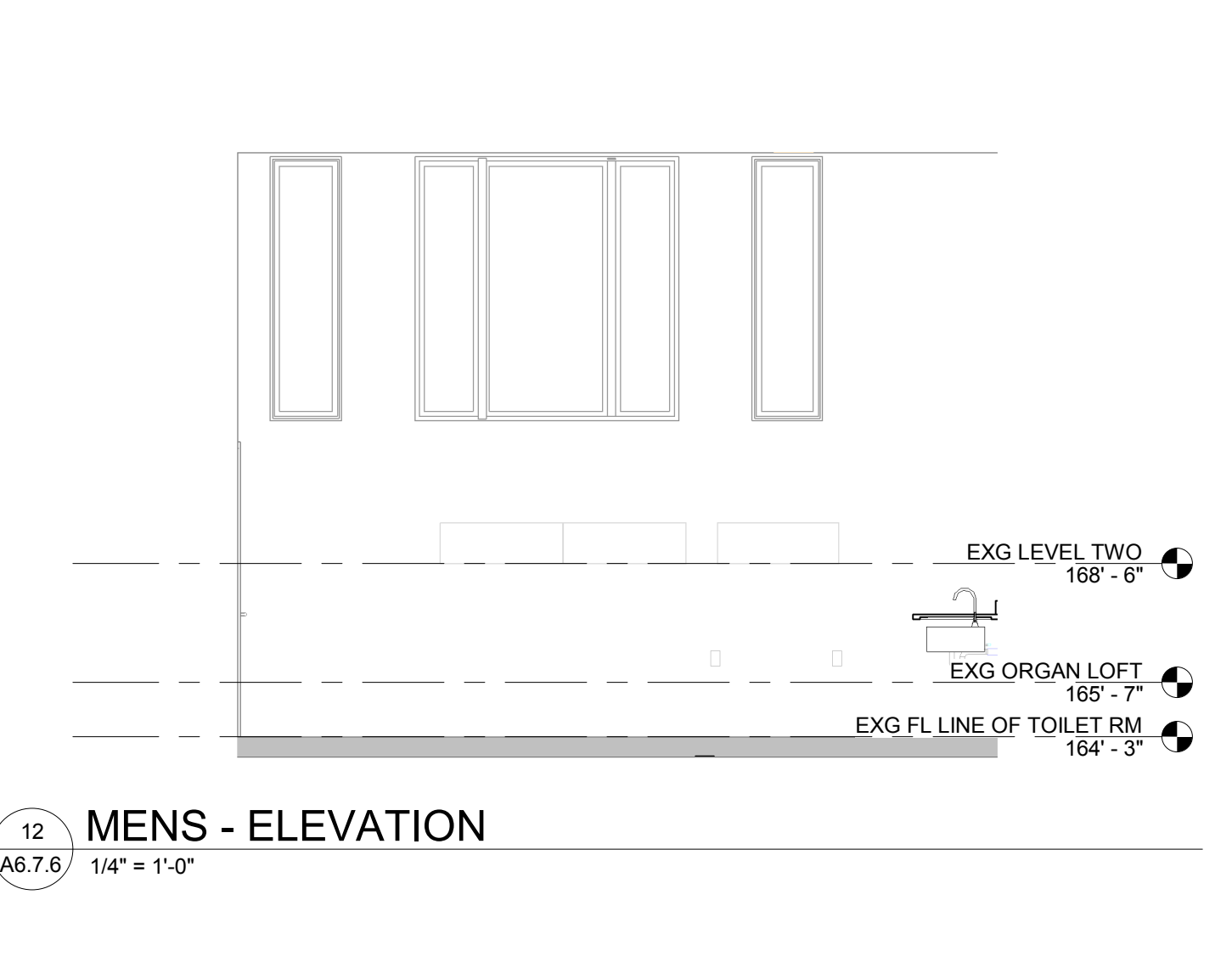
A6.7.6



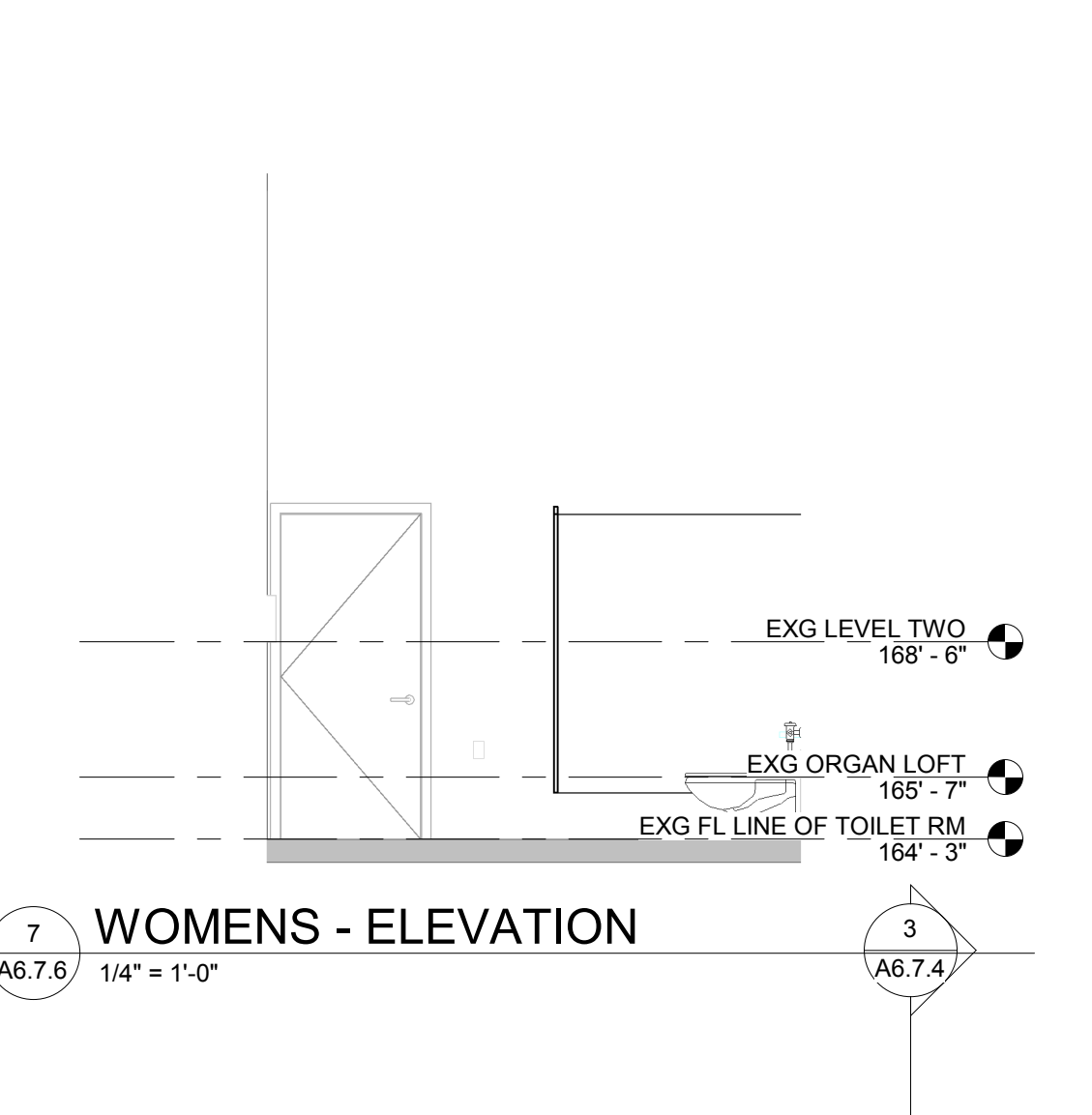
20 DONOR KITCHENETTE - ELEVATION
 A6.7.6 1/4" = 1'-0"



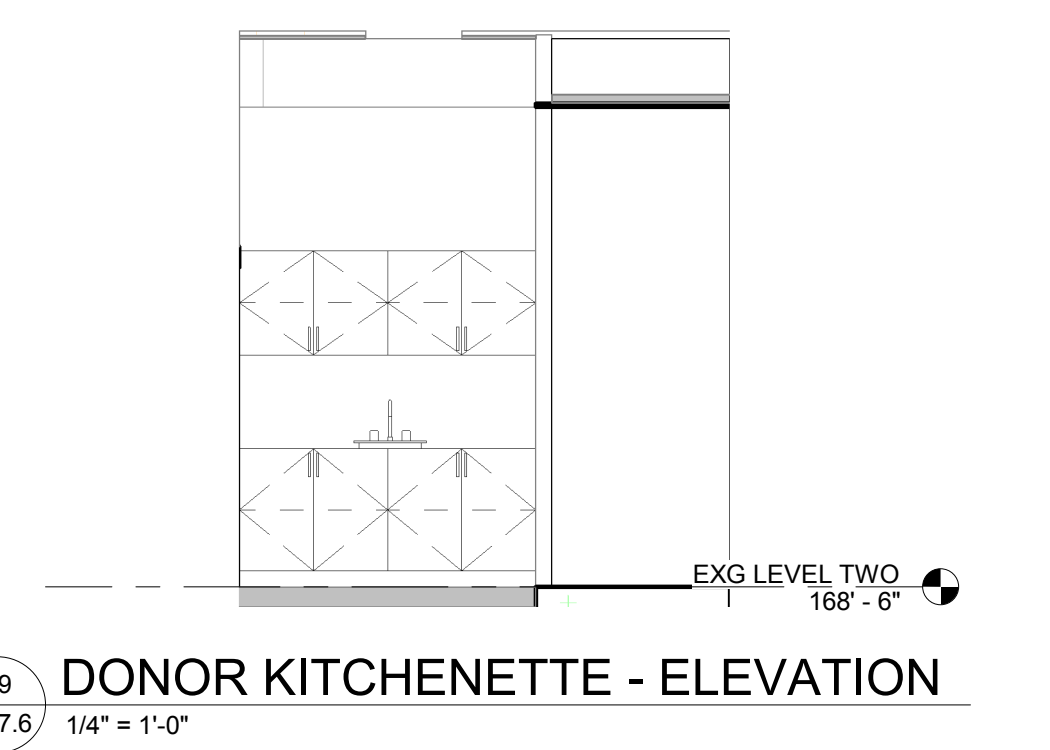
16 DONOR ACCESSIBLE RESTROOM - ELEVATION
 A6.7.6 1/4" = 1'-0"



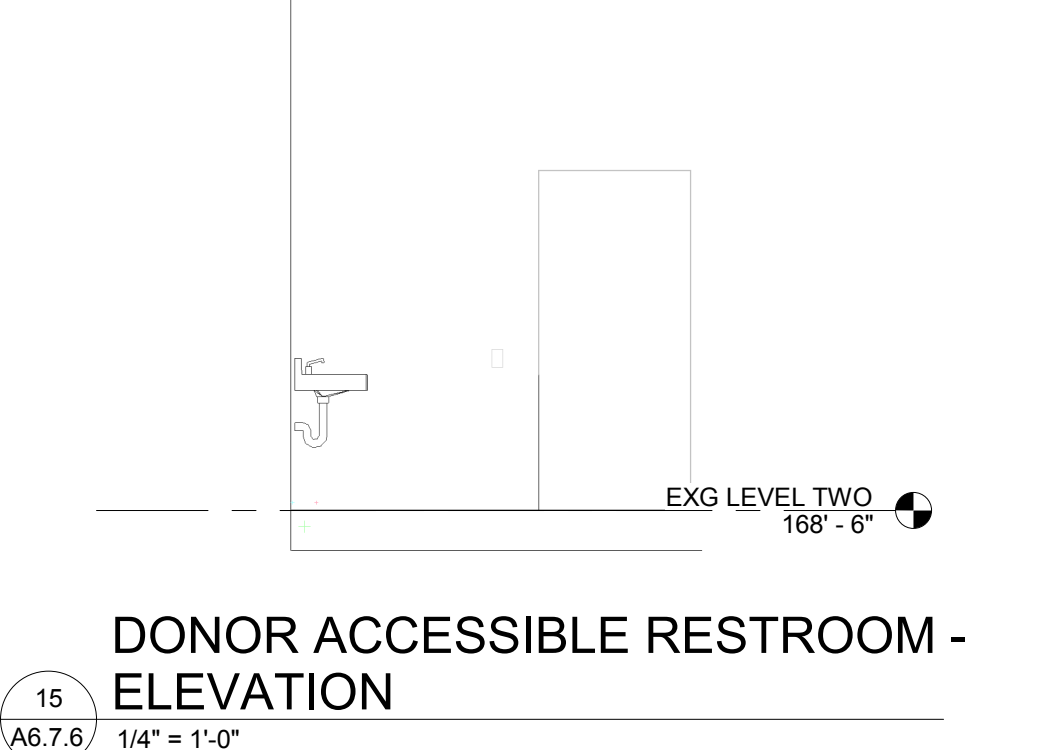
12 MENS - ELEVATION
 A6.7.6 1/4" = 1'-0"



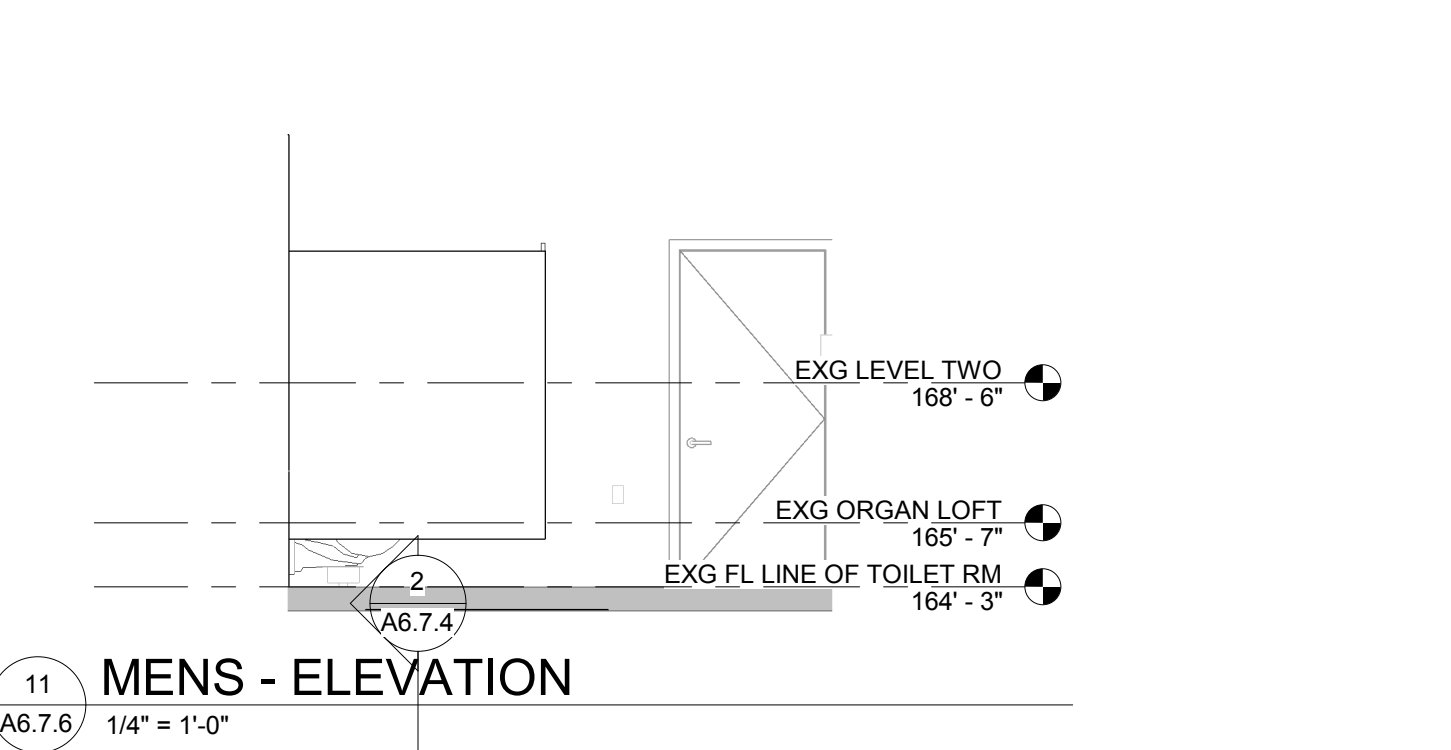
7 WOMENS - ELEVATION
 A6.7.6 1/4" = 1'-0"



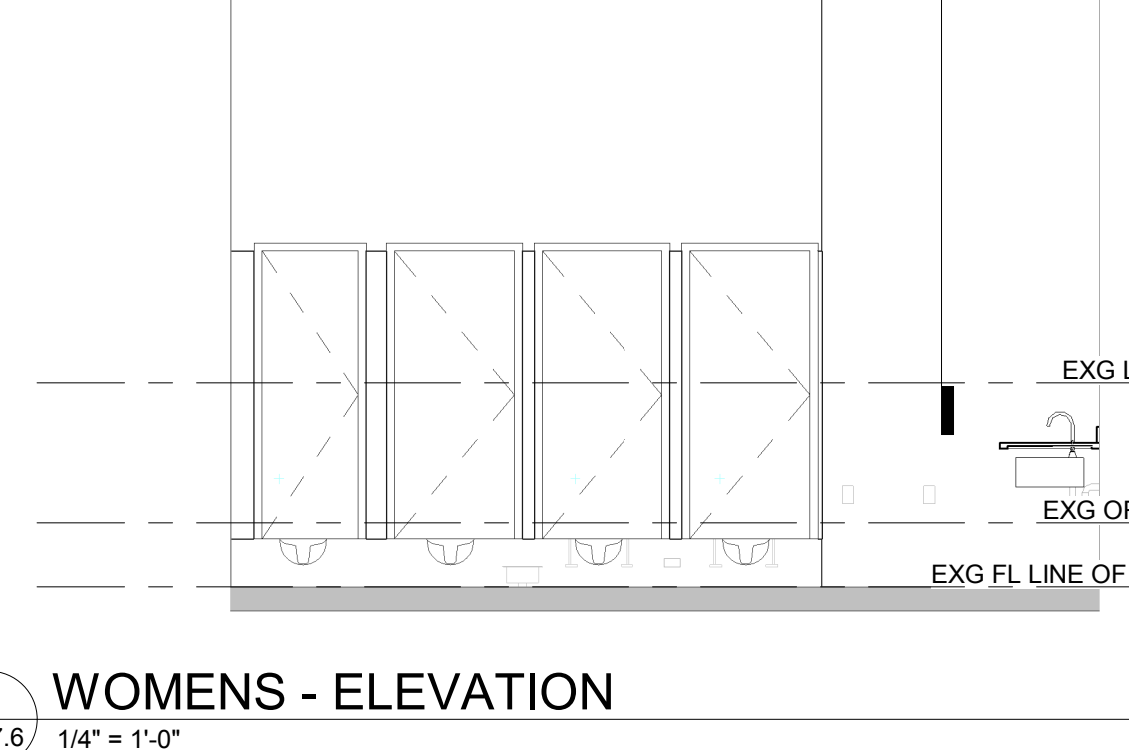
19 DONOR KITCHENETTE - ELEVATION
 A6.7.6 1/4" = 1'-0"



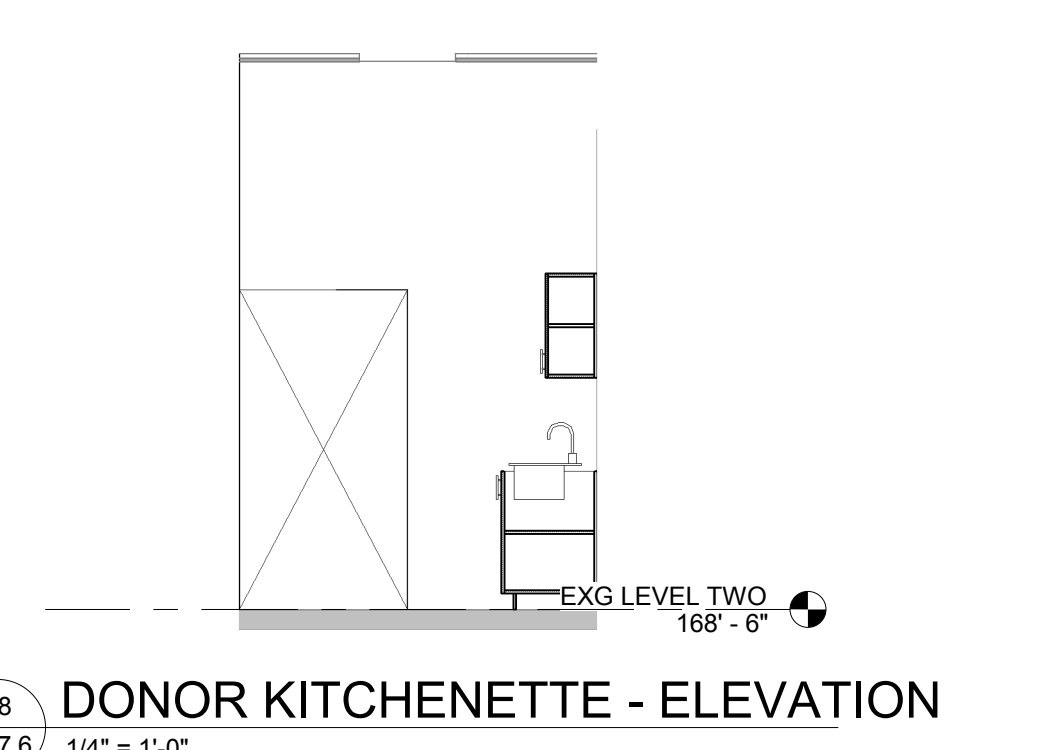
15 DONOR ACCESSIBLE RESTROOM - ELEVATION
 A6.7.6 1/4" = 1'-0"



11 MENS - ELEVATION
 A6.7.6 1/4" = 1'-0"



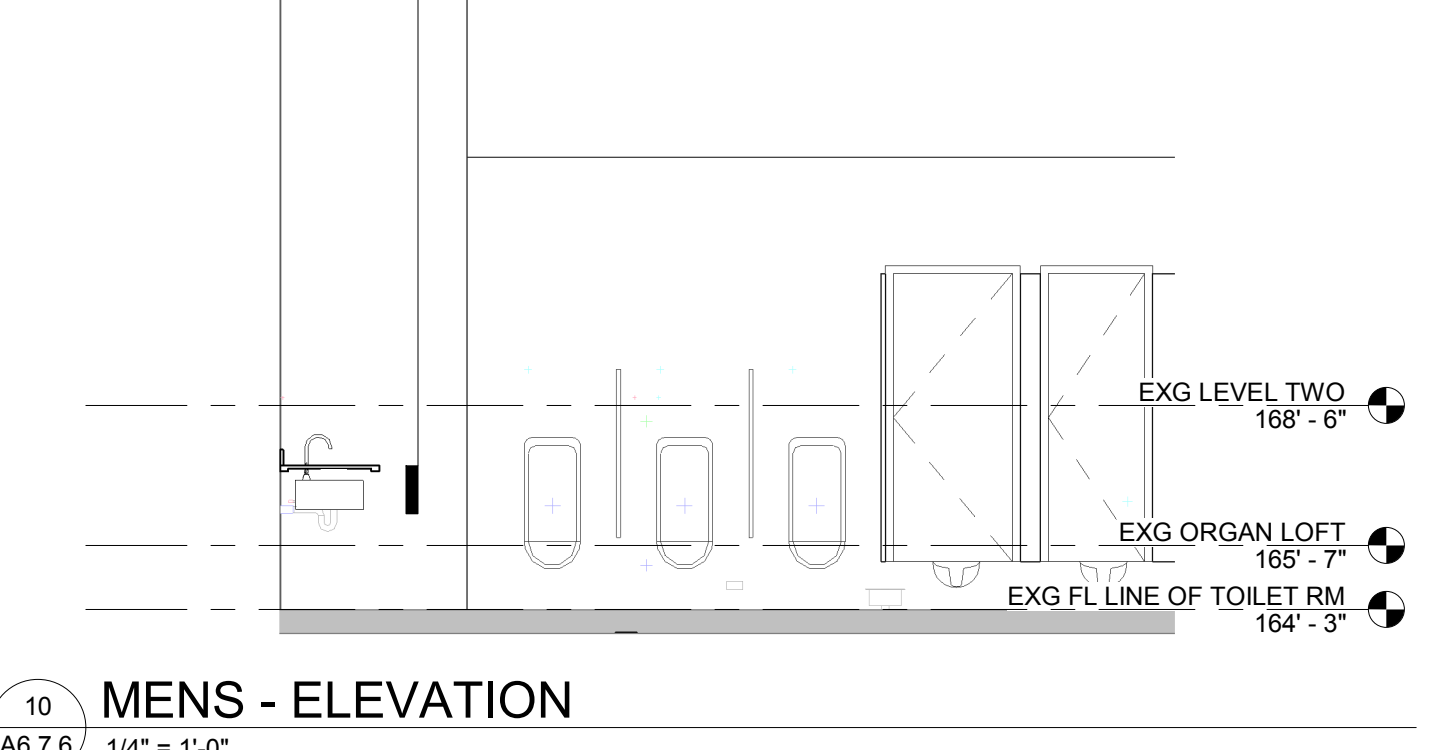
8 WOMENS - ELEVATION
 A6.7.6 1/4" = 1'-0"



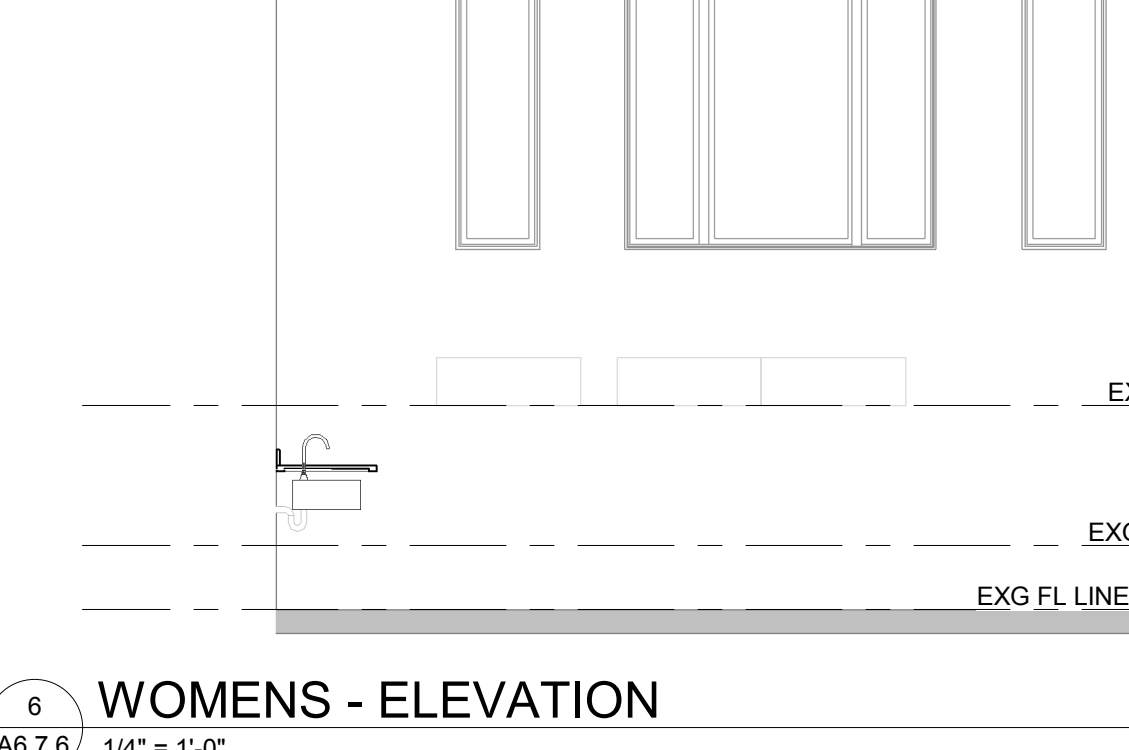
18 DONOR KITCHENETTE - ELEVATION
 A6.7.6 1/4" = 1'-0"



4 DONOR ACCESSIBLE RESTROOM - ELEVATION
 A6.7.6 1/4" = 1'-0"



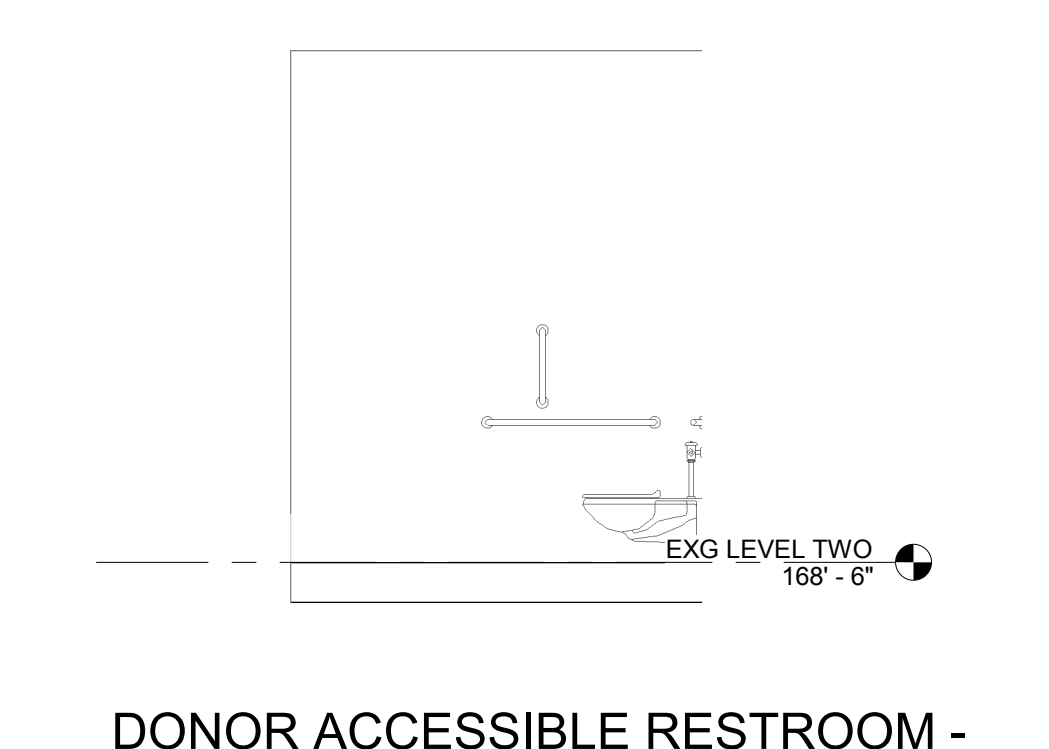
10 MENS - ELEVATION
 A6.7.6 1/4" = 1'-0"



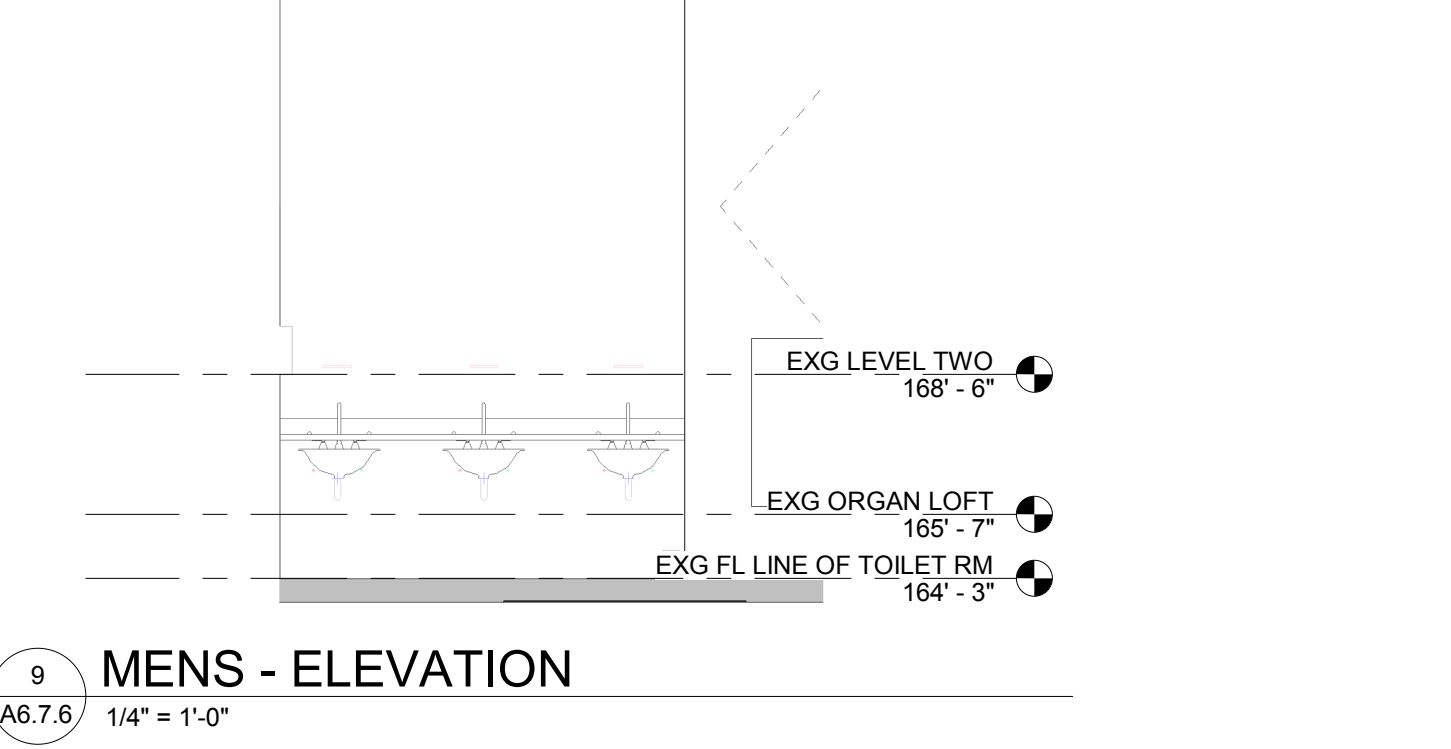
6 WOMENS - ELEVATION
 A6.7.6 1/4" = 1'-0"



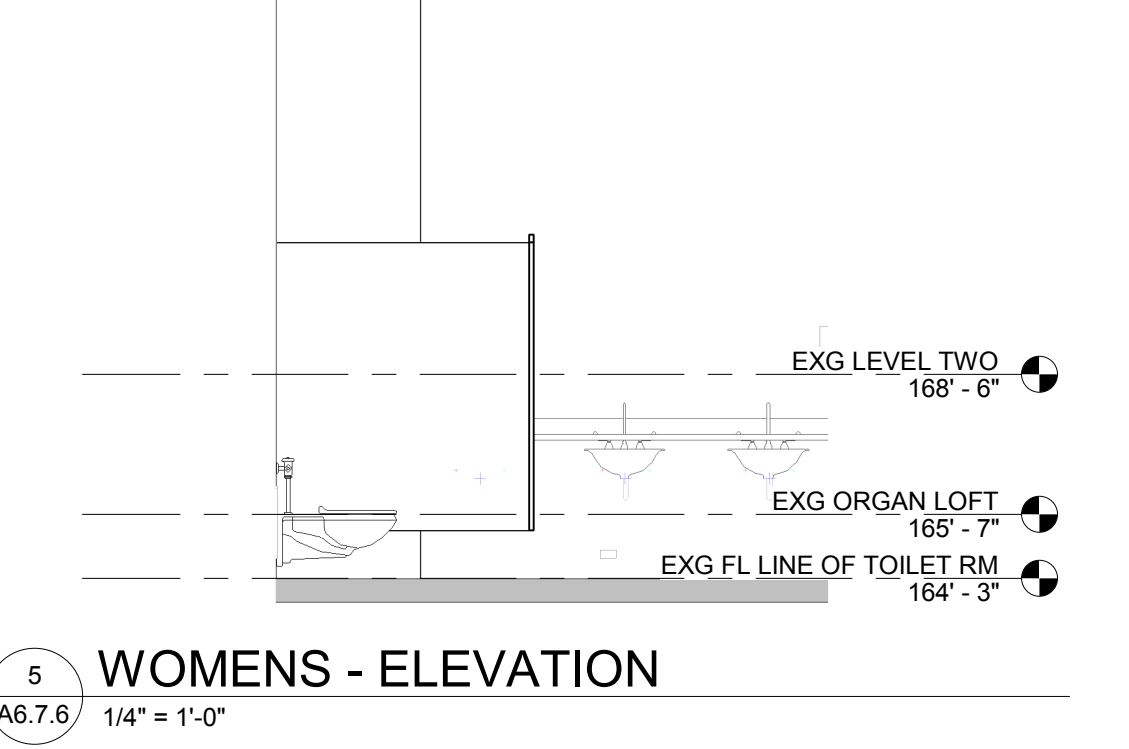
17 DONOR KITCHENETTE - ELEVATION
 A6.7.6 1/4" = 1'-0"



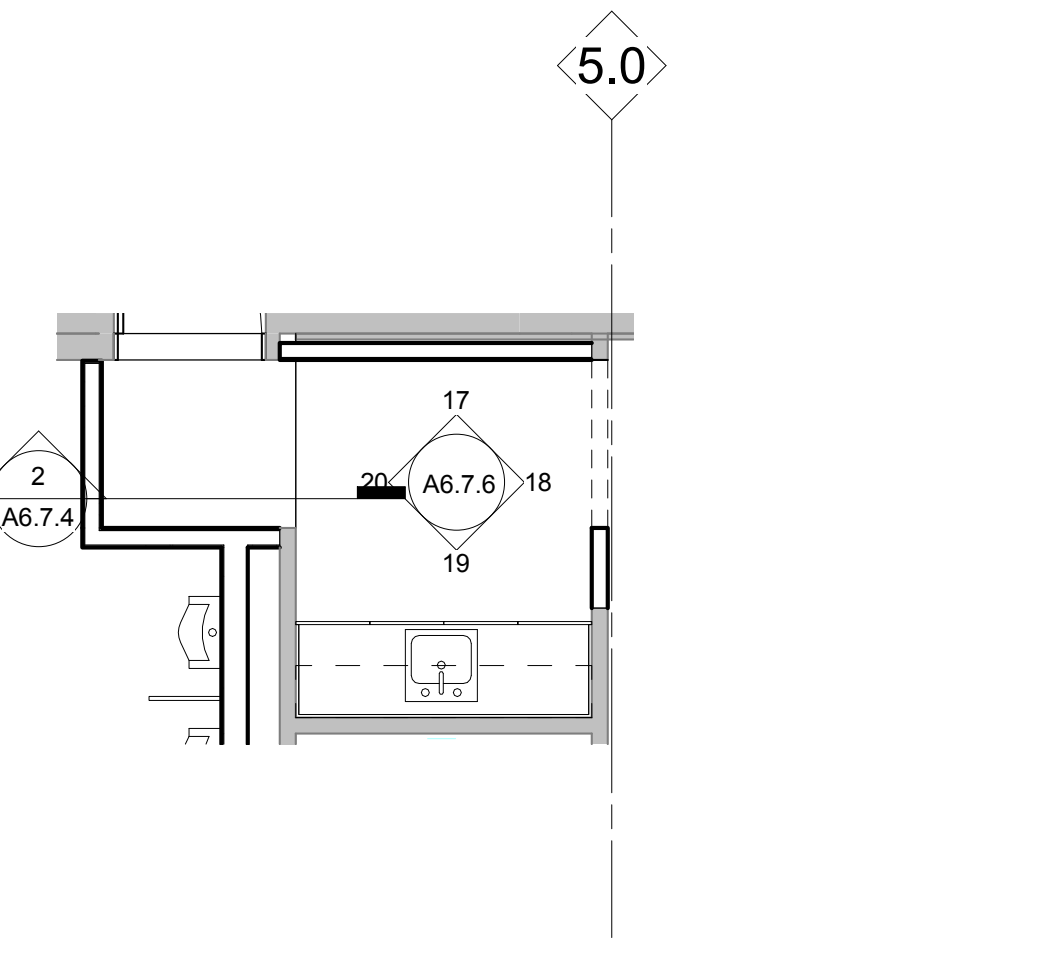
3 DONOR ACCESSIBLE RESTROOM - ELEVATION
 A6.7.6 1/4" = 1'-0"



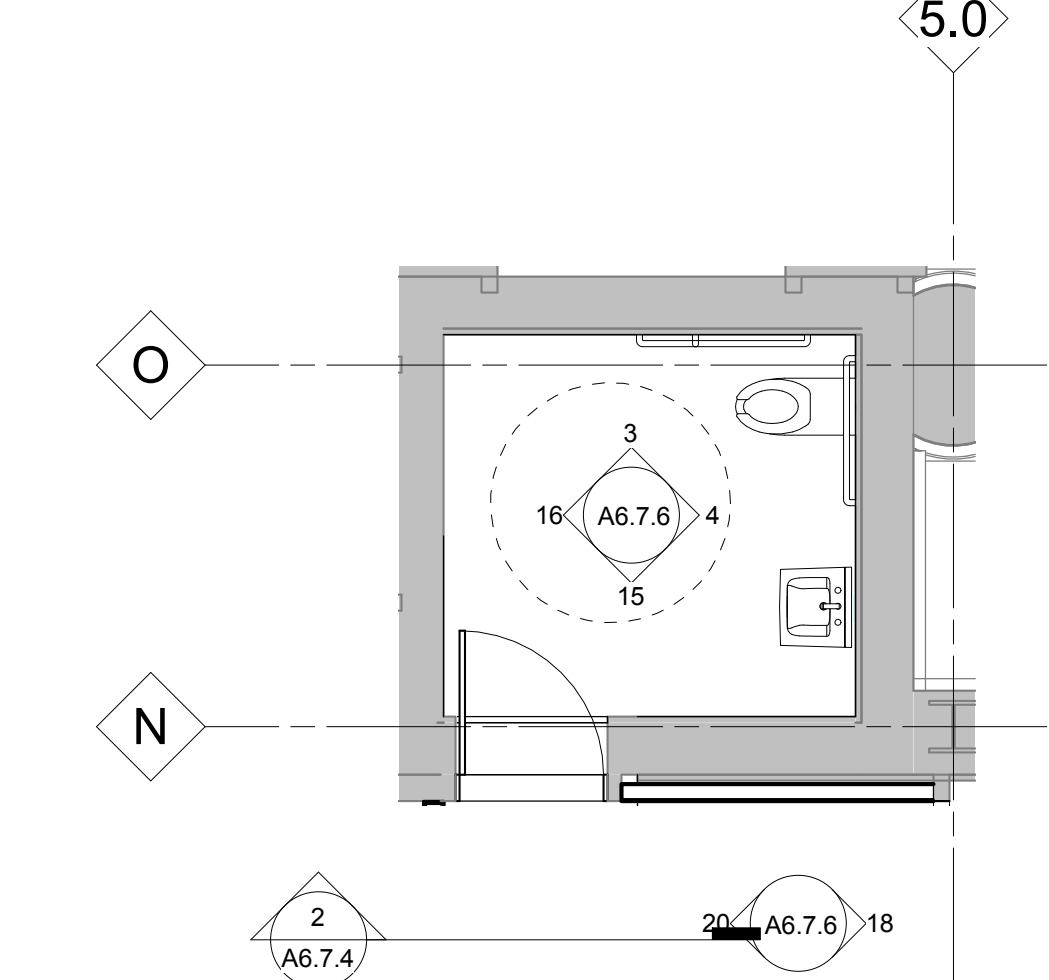
9 MENS - ELEVATION
 A6.7.6 1/4" = 1'-0"



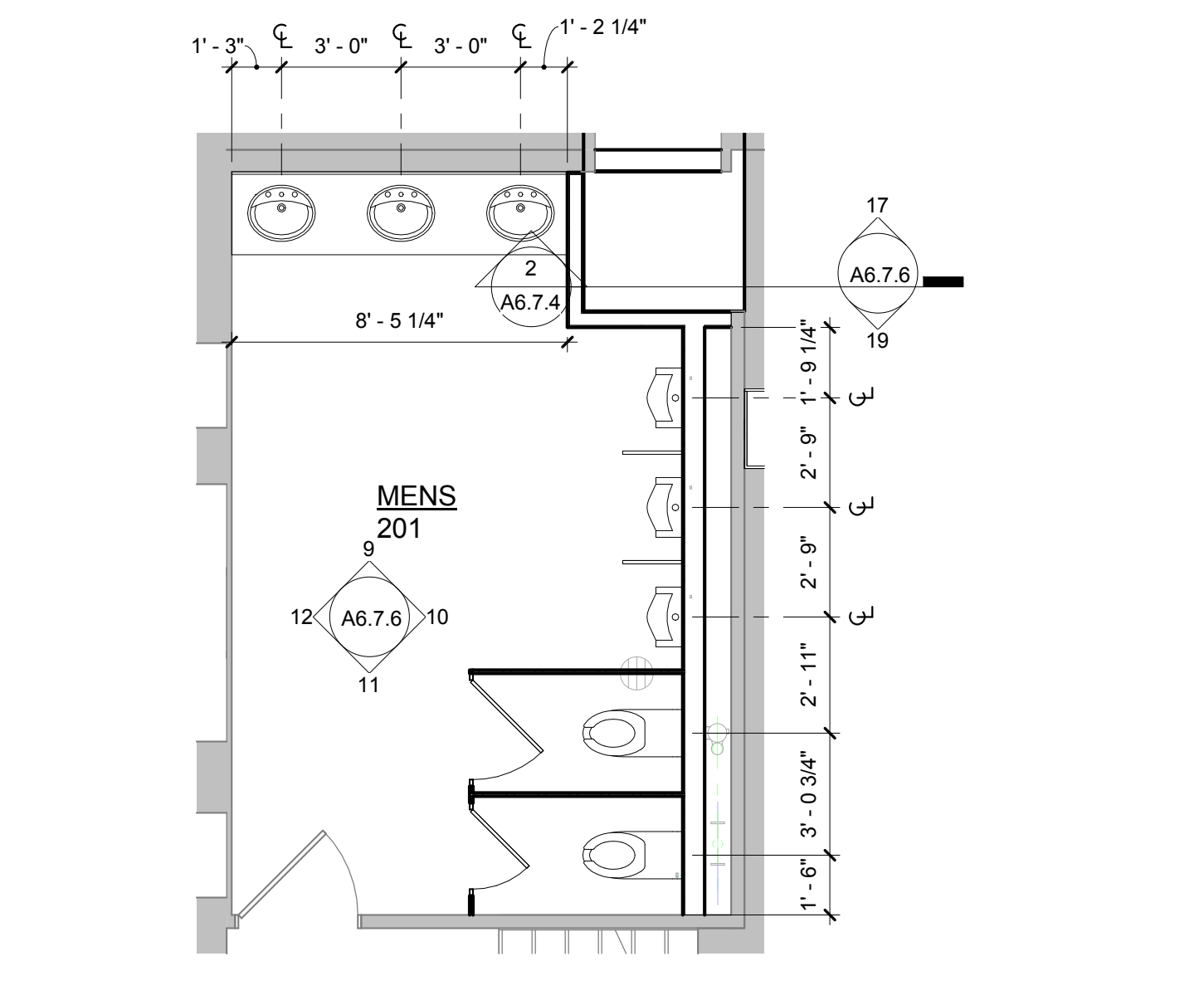
5 WOMENS - ELEVATION
 A6.7.6 1/4" = 1'-0"



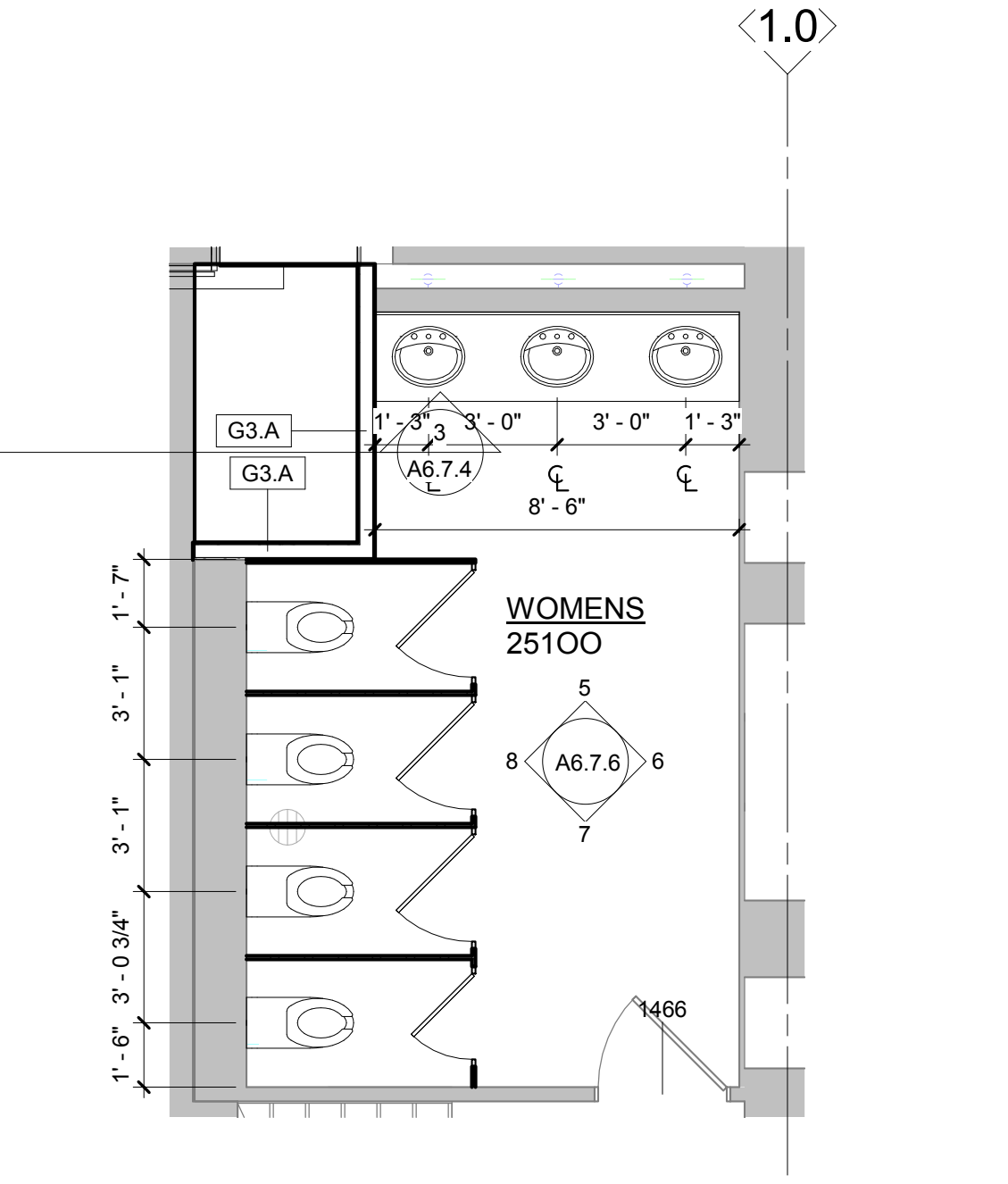
14 ENLARGED PLAN - DONOR KITCHENETTE
 A1.2A 1/4" = 1'-0"



13 ENLARGED PLAN - DONOR ACCESSIBLE RESTROOM1
 A1.2A 1/4" = 1'-0"



2 ENLARGED PLAN - MENS RESTROOM
 A1.2A 1/4" = 1'-0"



1 ENLARGED PLAN - WOMENS RESTROOM
 A1.2A 1/4" = 1'-0"

Owner: Wayne State University FP&M
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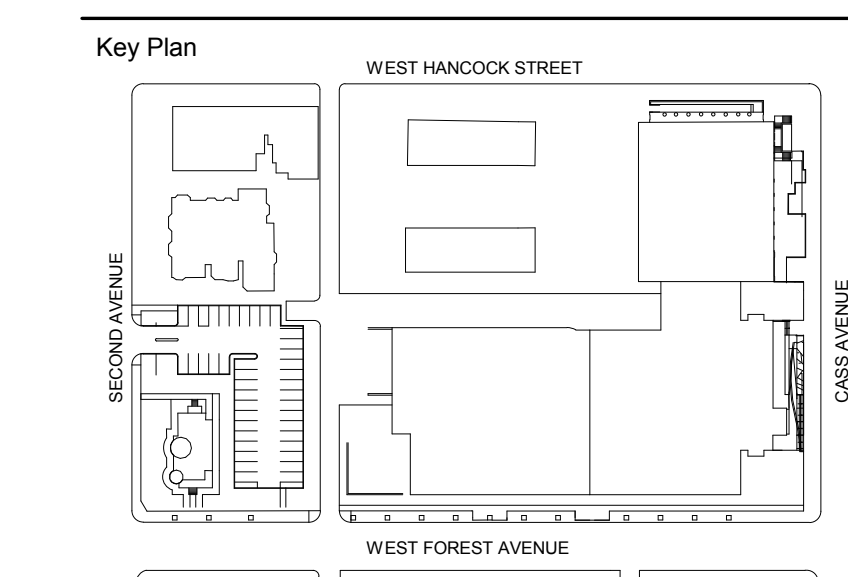
Landscape Architect: Hamilton Anderson
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DETROIT, MI



100% DESIGN DEVELOPMENT	FEB. 06, 2019
Project	

WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578
 Drawing Title
ENLARGED TOILET ROOM PLANS AND ELEVATIONS - VALADE

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: As indicated
 Seal:

FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

Signature:
 Drawing No:

A6.7.7

BATHROOM GENERAL NOTES

- REFER TO SHEET CS.4 FOR MOUNTING HEIGHTS AND CLEAR FLOOR SPACE REQUIREMENTS.
- FLUSH CONTROLS SHOULD BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET.

ACCESSORIES

ADA ACCESSIBLE REST ROOMS

- MIRROR ABOVE SINK
- TOILET PAPER HOLDER
- SANITARY NAPKIN DISPOSAL RECEPTACLE
- STAINLESS STEEL PEENED GRIP GRAB BAR AT TOILET
- PROTECTIVE COVER ON HOT AND COLD WATER SUPPLY AT SINK
- ELECTRIC HAND DRYER
- ELECTRIC SOAP DISPENSER

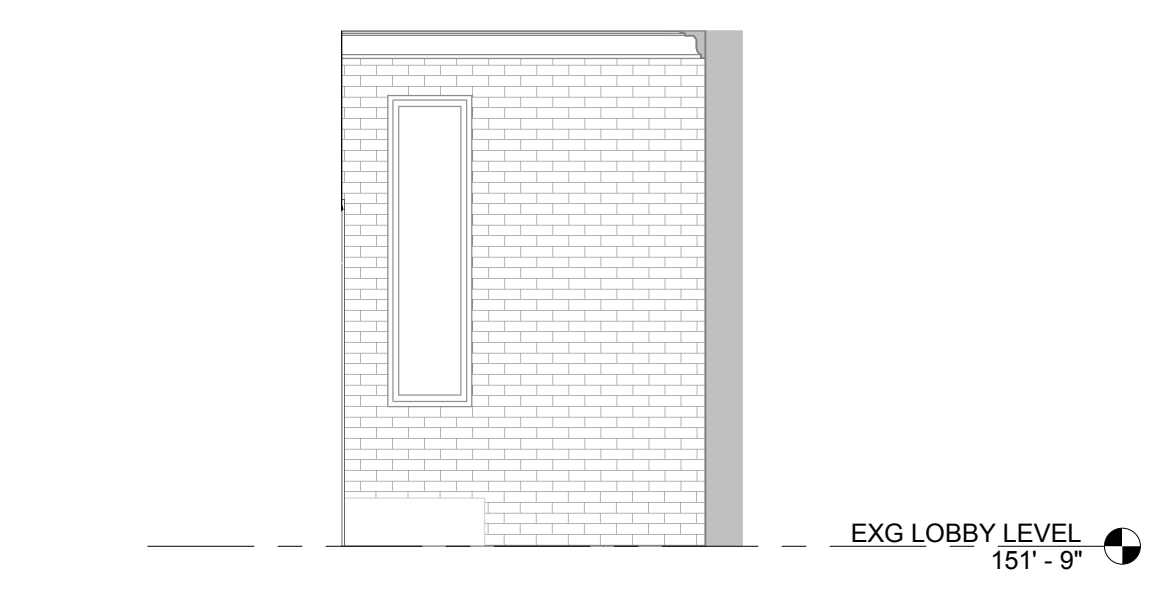
IN SHOWER:

- SOAP DISH
- COLLAPSIBLE SHOWER STALL SEAT
- STAINLESS STEEL PEENED GRIP GRAB BAR
- SHOWER CURTAIN ROD - INC. WITH ROLL-IN SHOWER ENCLOSURE
- TWO ROSE HOOKS (ON BATHROOM DOOR OR WALL)

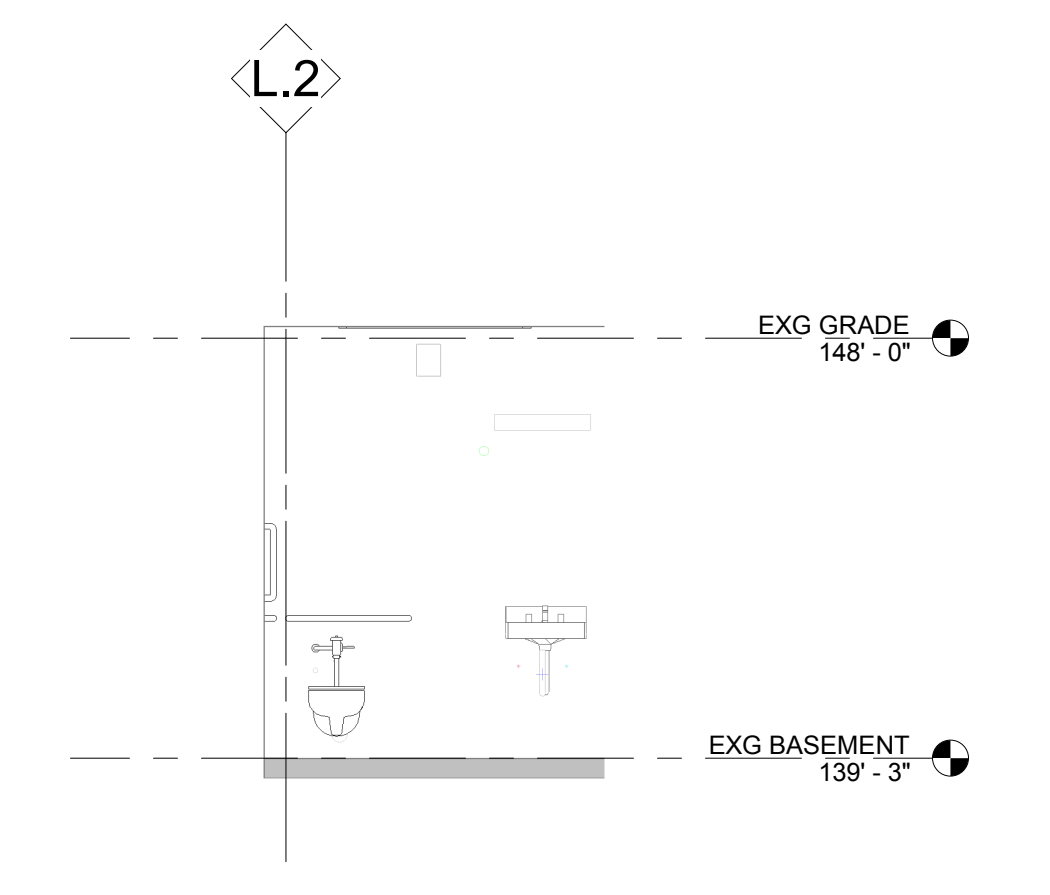
MENS / WOMENS TOILET ROOM (LEVEL 2)

- MIRROR ABOVE SINK
- TOILET PAPER HOLDER
- SANITARY NAPKIN DISPOSAL RECEPTACLE
- ELECTRIC HAND DRYER
- ELECTRIC SOAP DISPENSE
- FLOOR MOUNTED TOILET PARTITIONS

PROVIDE SUBSTANTIAL AND ADEQUATE BACKING WITHIN WALLS AT ALL ACCESSORY MOUNTING LOCATIONS.



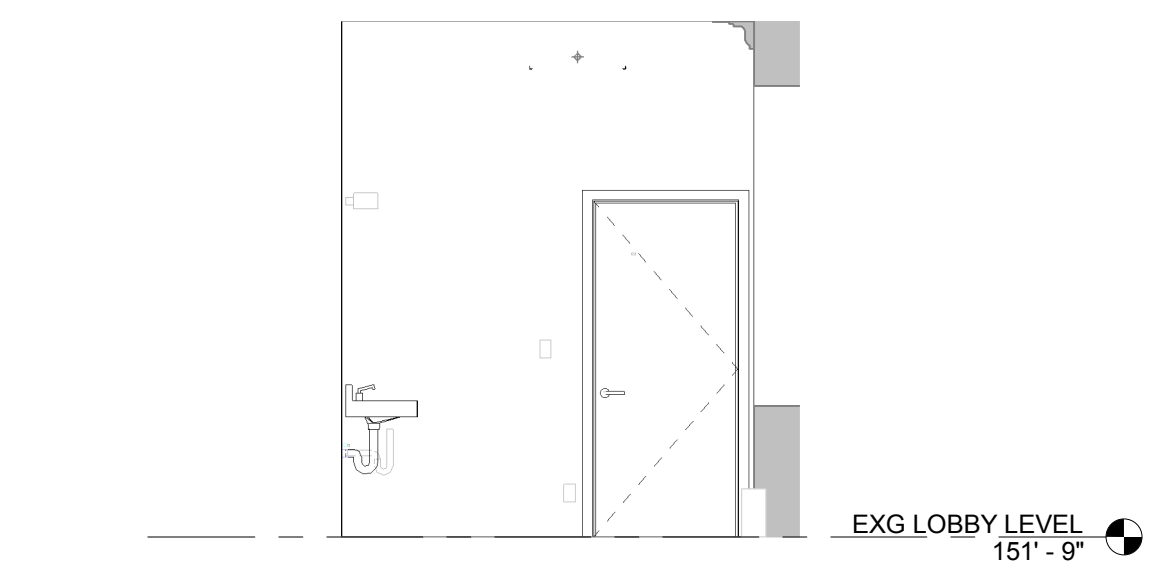
19 ACCESSIBLE RESTROOM - ELEVATION
 A6.7.7 1/4" = 1'-0"



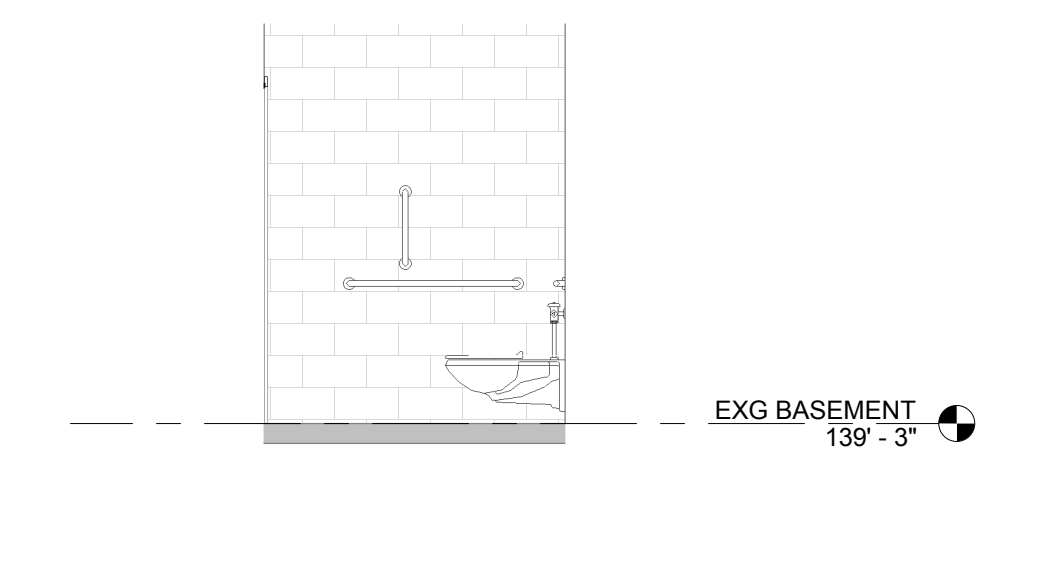
14 ACCESSIBLE RESTROOM - ELEVATION
 A6.7.7 1/4" = 1'-0"



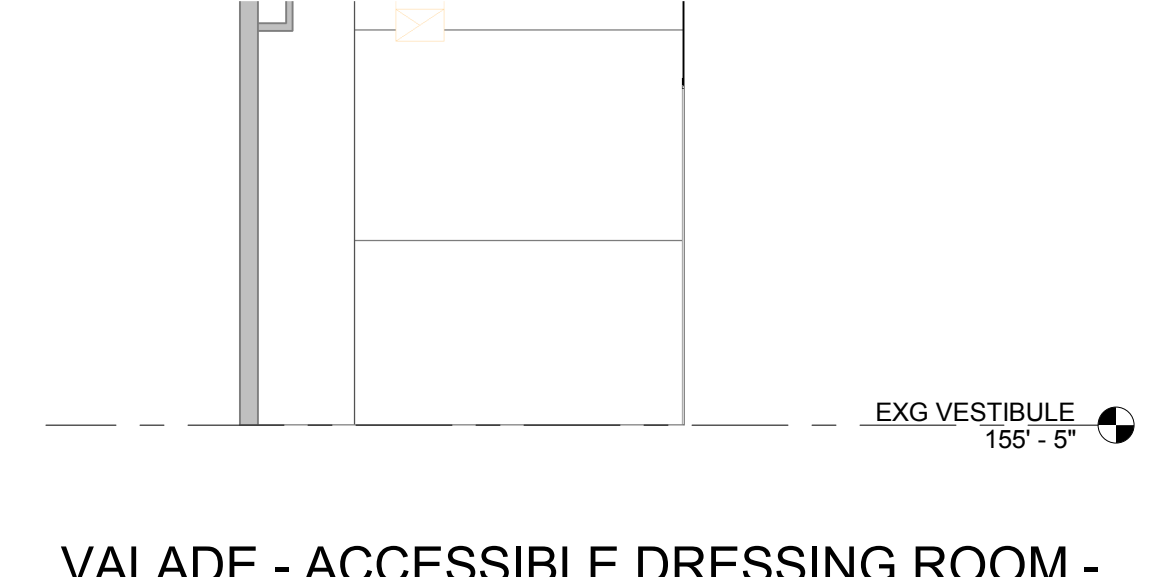
9 VALADE - ACCESSIBLE DRESSING ROOM - ELEVATION
 A6.7.7 1/4" = 1'-0"



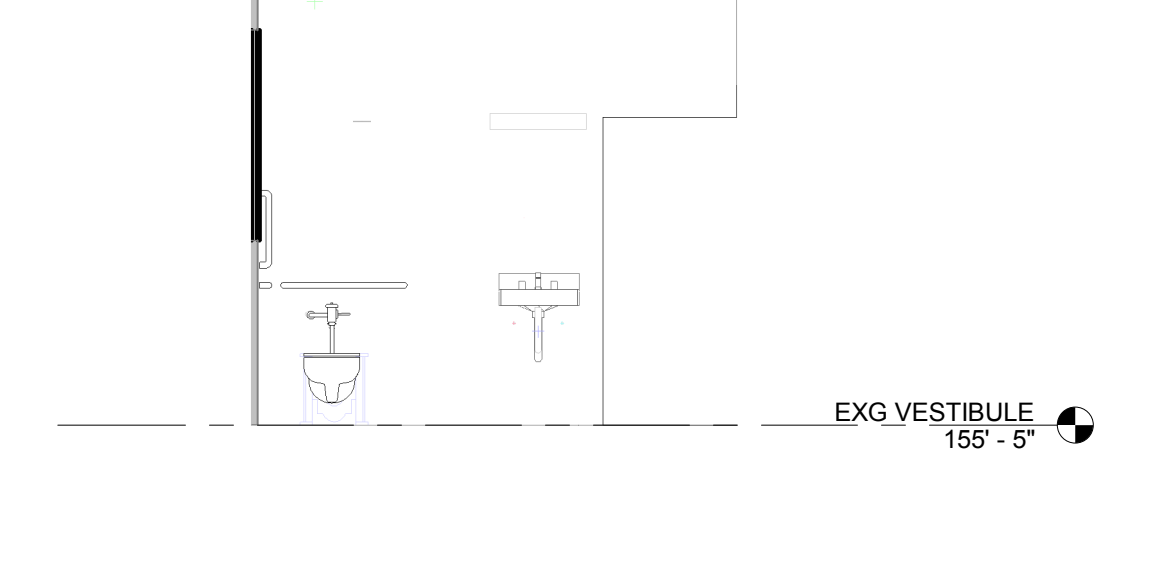
18 ACCESSIBLE RESTROOM - ELEVATION
 A6.7.7 1/4" = 1'-0"



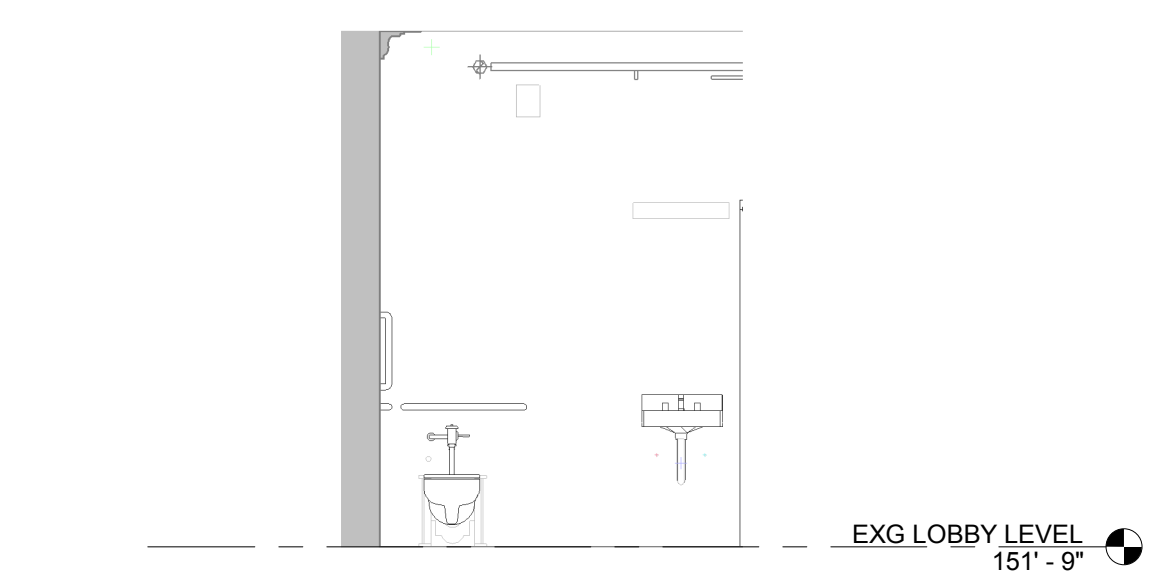
13 ACCESSIBLE RESTROOM - ELEVATION
 A6.7.7 1/4" = 1'-0"



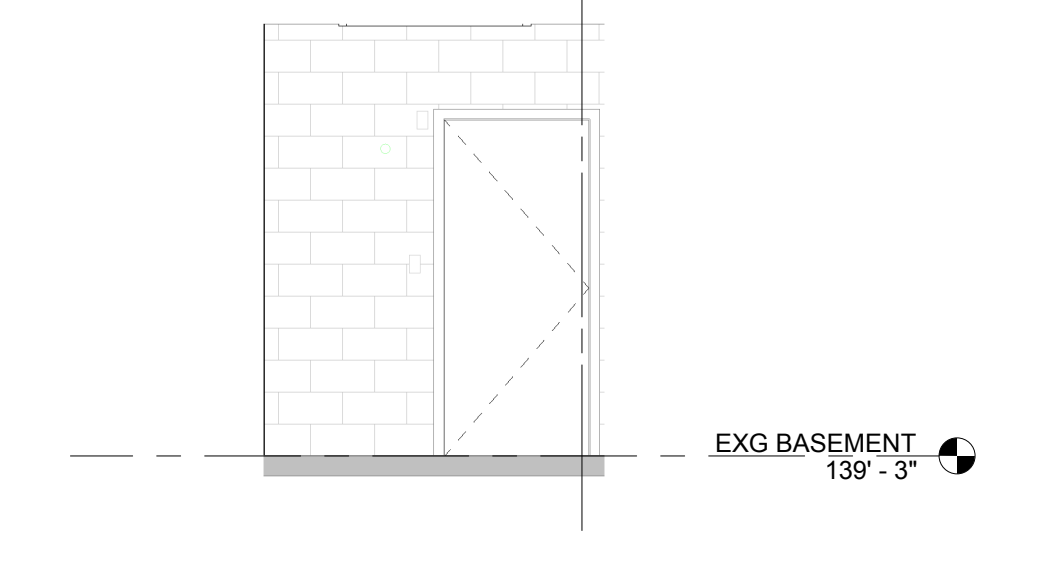
8 VALADE - ACCESSIBLE DRESSING ROOM - ELEVATION
 A6.7.7 1/4" = 1'-0"



4 VALADE - ACCESSIBLE - ELEVATION
 A6.7.7 1/4" = 1'-0"



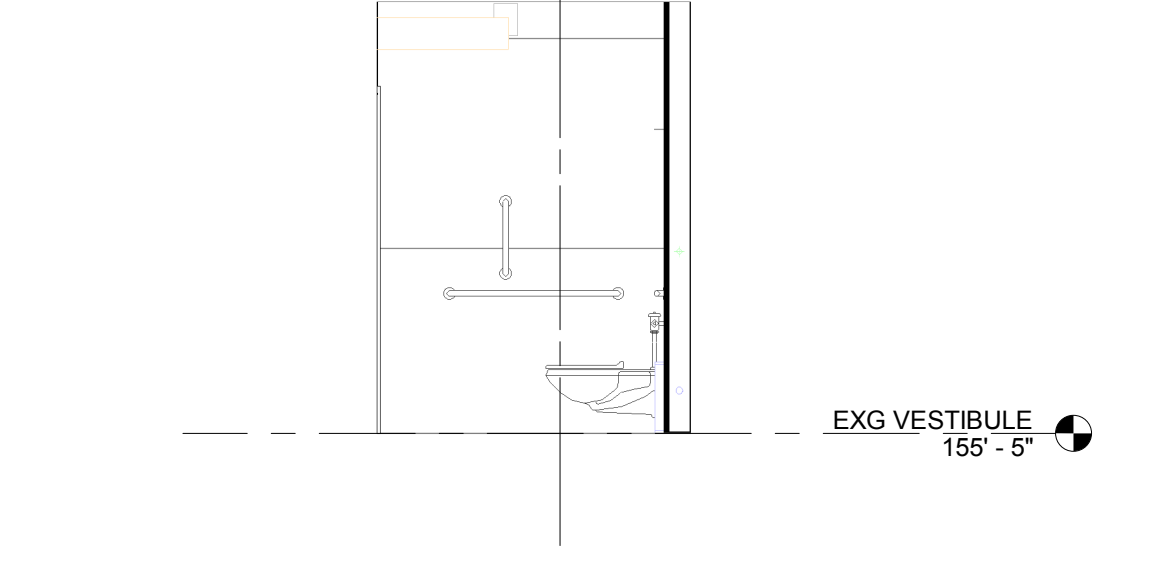
17 ACCESSIBLE RESTROOM - ELEVATION
 A6.7.7 1/4" = 1'-0"



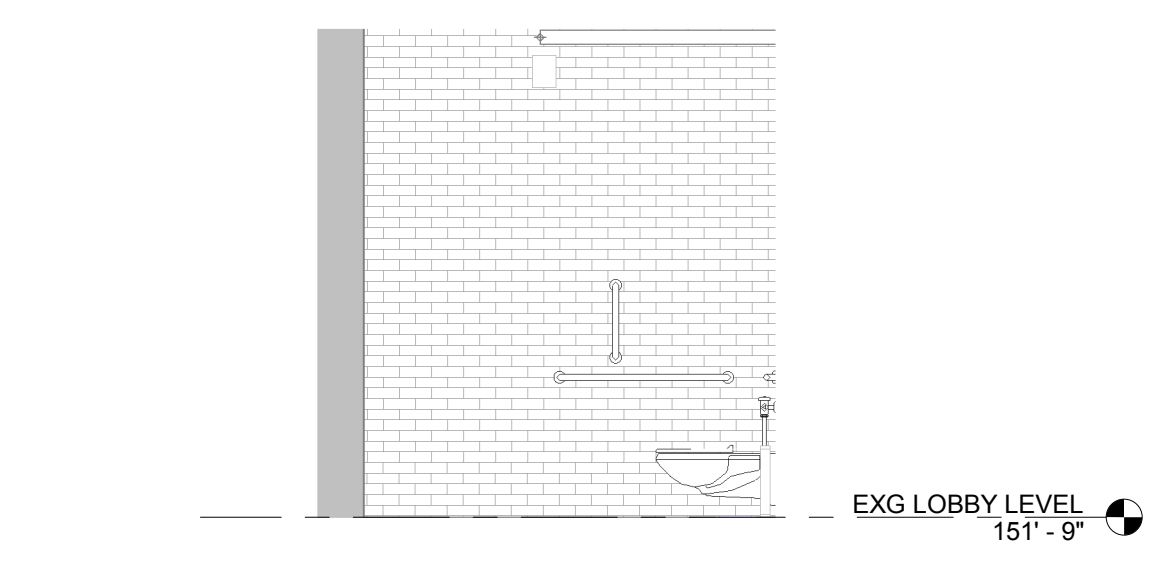
12 ACCESSIBLE RESTROOM - ELEVATION
 A6.7.7 1/4" = 1'-0"



7 VALADE - ACCESSIBLE DRESSING ROOM - ELEVATION
 A6.7.7 1/4" = 1'-0"



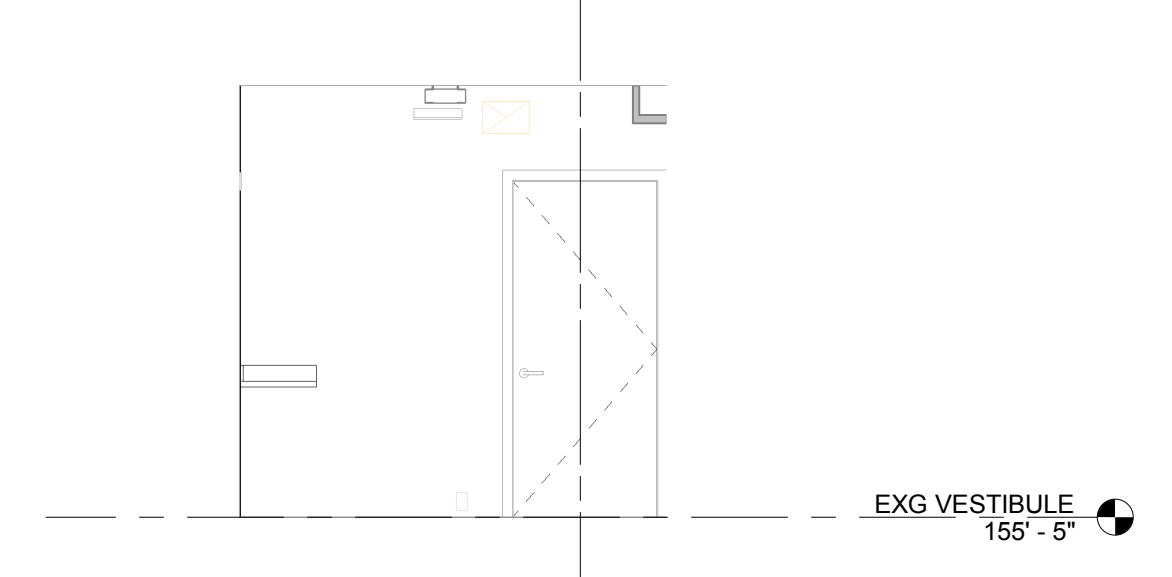
3 VALADE - ACCESSIBLE - ELEVATION
 A6.7.7 1/4" = 1'-0"



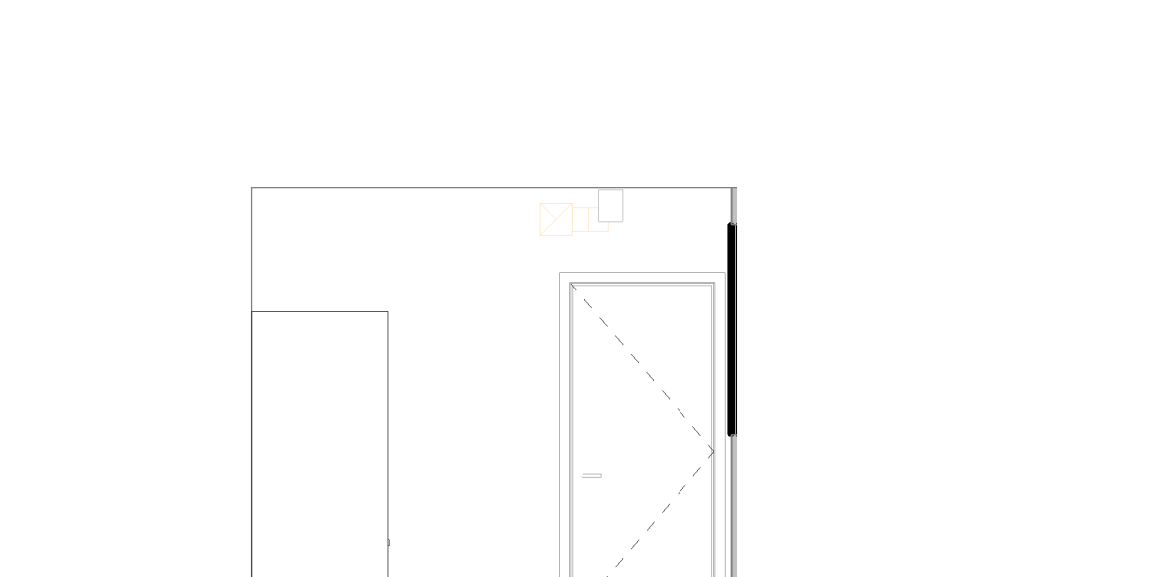
16 ACCESSIBLE RESTROOM - ELEVATION
 A6.7.7 1/4" = 1'-0"



11 ACCESSIBLE RESTROOM - ELEVATION
 A6.7.7 1/4" = 1'-0"



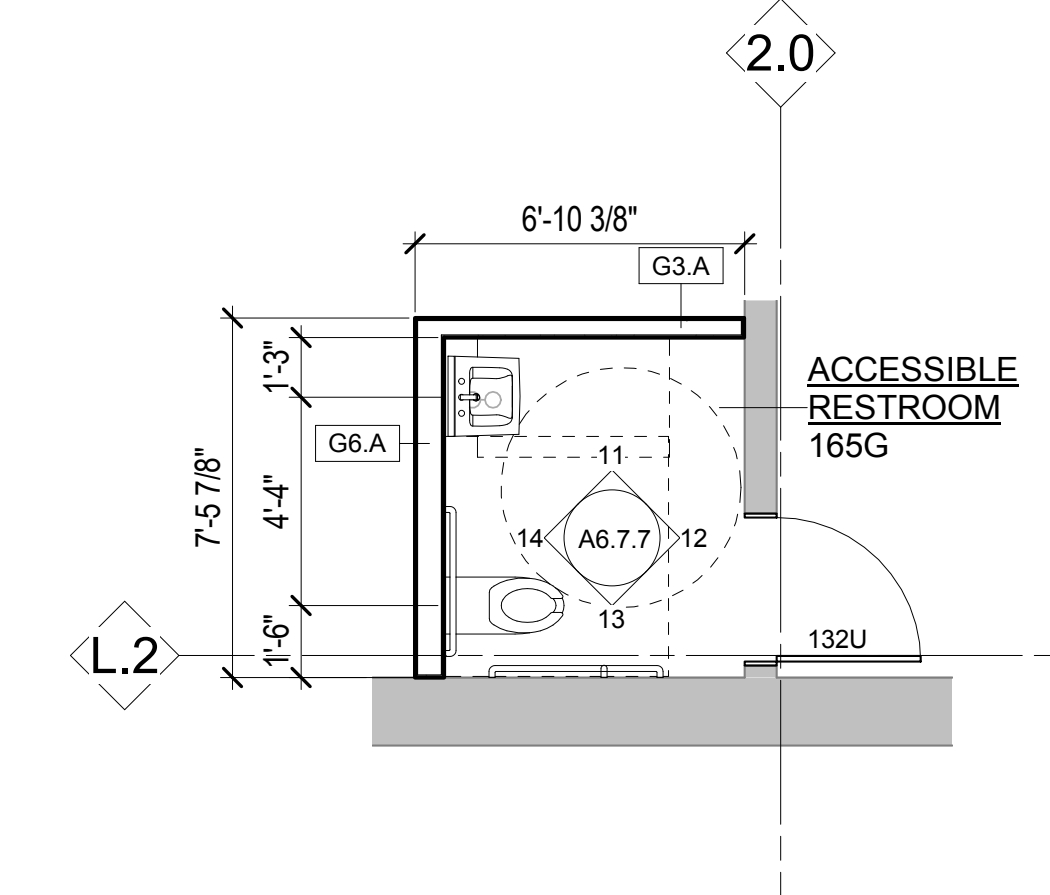
6 VALADE - ACCESSIBLE DRESSING ROOM - ELEVATION
 A6.7.7 1/4" = 1'-0"



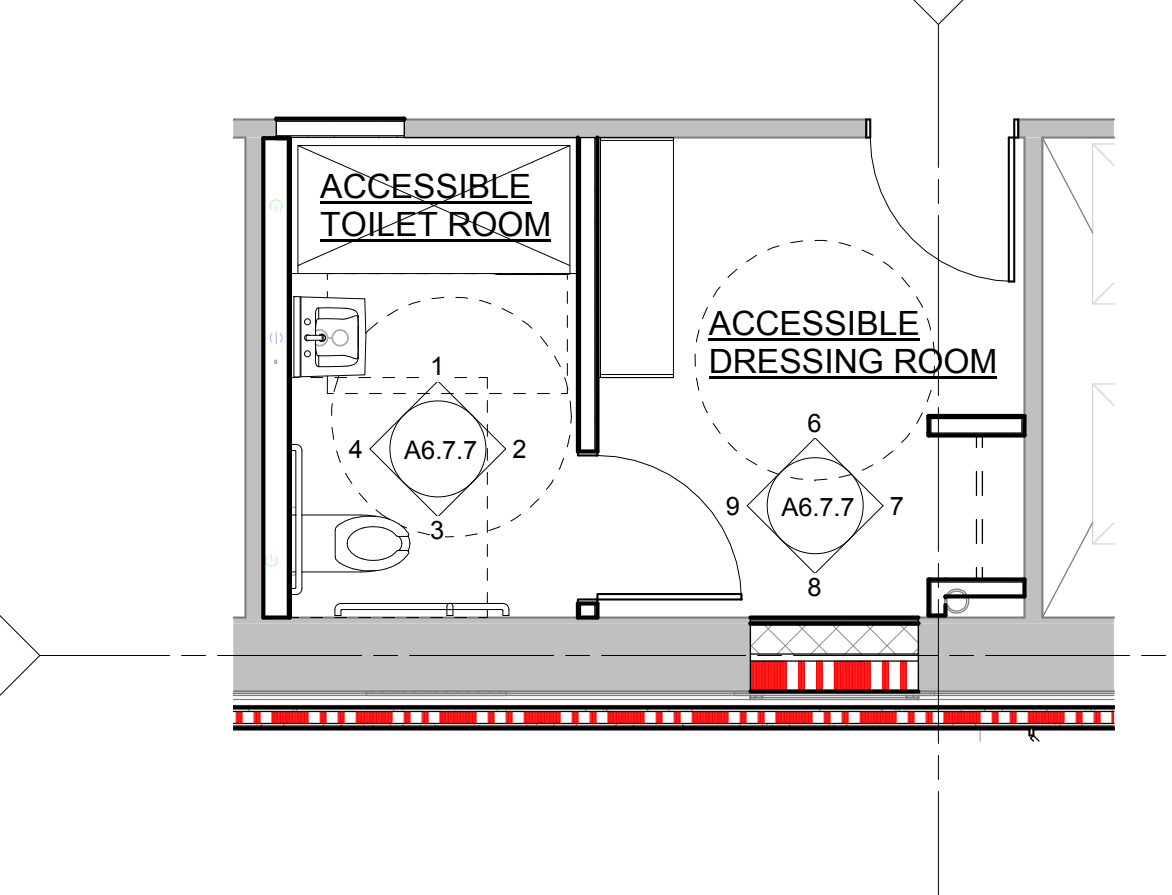
2 VALADE - ACCESSIBLE - ELEVATION
 A6.7.7 1/4" = 1'-0"



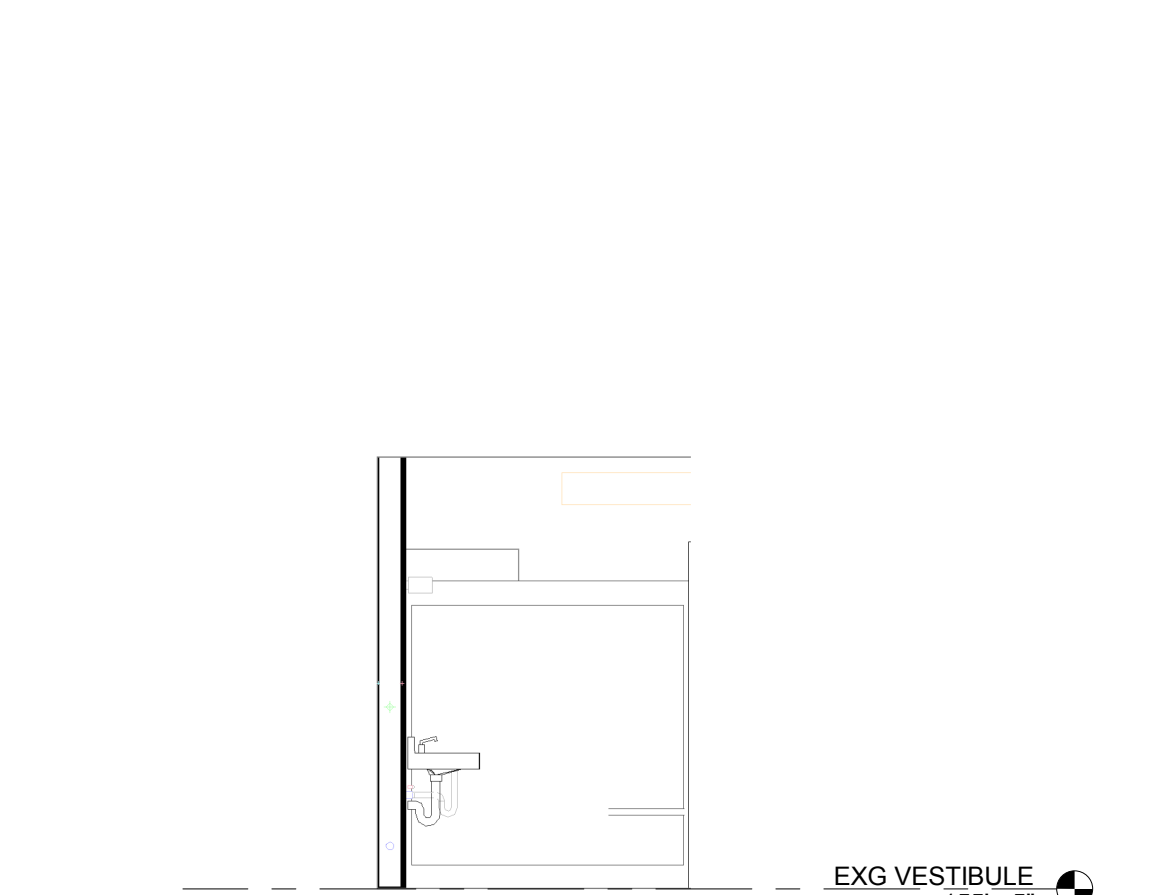
15 ENLARGED PLAN - ACCESSIBLE RESTROOM
 A1.1A 1/4" = 1'-0"



10 ENLARGED PLAN - ACCESSIBLE RESTROOM
 A1.0A 1/4" = 1'-0"



5 ENLARGED PLAN - ACCESSIBLE RESTROOM AND DRESSING ROOM
 A1.1A 1/4" = 1'-0"



1 VALADE - ACCESSIBLE - ELEVATION
 A6.7.7 1/4" = 1'-0"

BATHROOM GENERAL NOTES

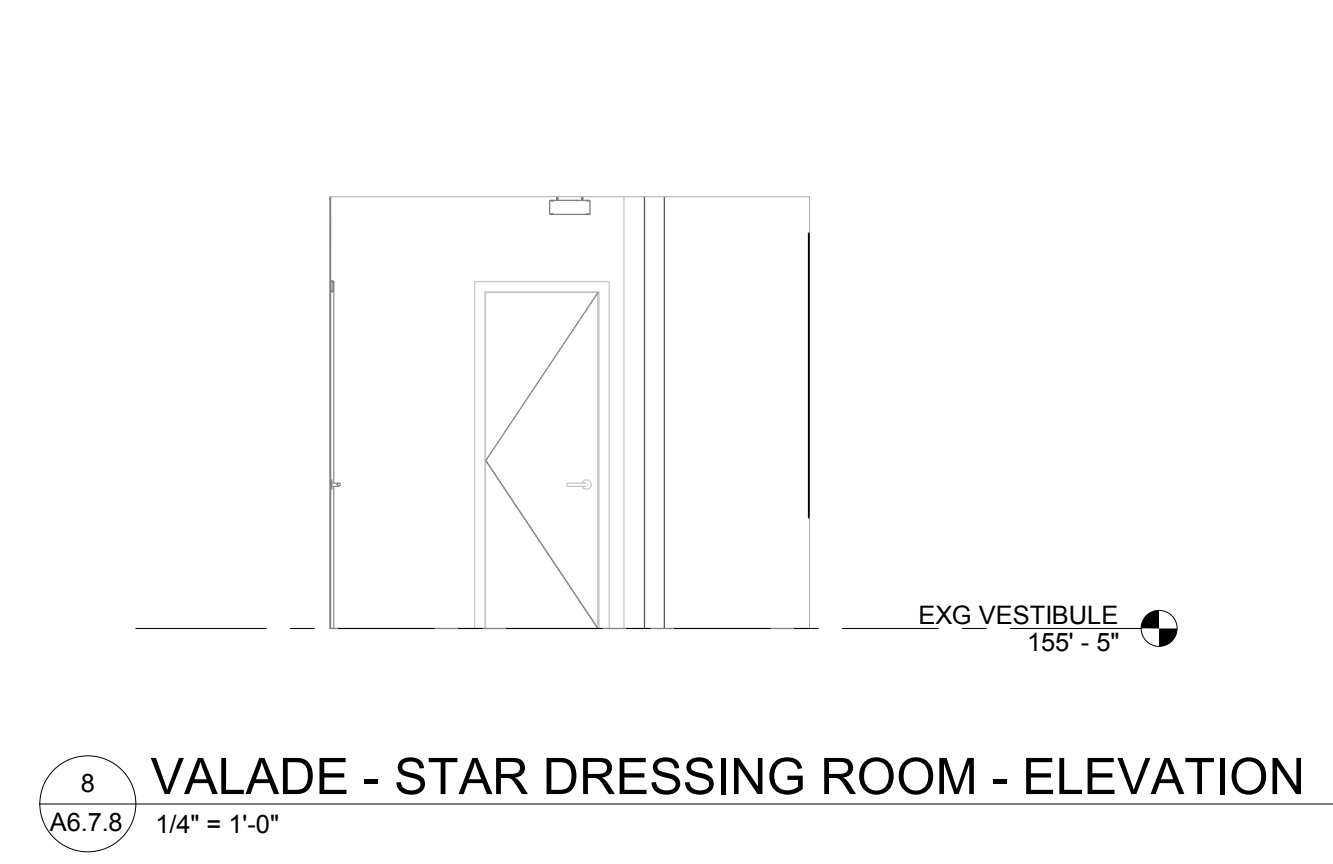
- REFER TO SHEET CS.4 FOR MOUNTING HEIGHTS AND CLEAR FLOOR SPACE REQUIREMENTS.
- FLUSH CONTROLS SHOULD BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET.

ACCESSORIES

- ADA ACCESSIBLE REST ROOMS**
- MIRROR ABOVE SINK
 - TOILET PAPER HOLDER
 - SANITARY NAPKIN DISPOSAL RECEPTACLE
 - STAINLESS STEEL PEENED GRIP GRAB BAR AT TOILET
 - PROTECTIVE COVER ON HOT AND COLD WATER SUPPLY AT SINK
 - ELECTRIC HAND DRYER
 - ELECTRIC SOAP DISPENSER
- IN SHOWER:**
- SOAP DISH
 - COLLAPSIBLE SHOWER STALL SEAT
 - STAINLESS STEEL PEENED GRIP GRAB BAR
 - SHOWER CURTAIN ROD - INC. WITH ROLL-IN SHOWER ENCLOSURE
 - TWO ROSE HOOKS (ON BATHROOM DOOR OR WALL)
- MENS / WOMENS TOILET ROOM (LEVEL 2)**
- MIRROR ABOVE SINK
 - TOILET PAPER HOLDER
 - SANITARY NAPKIN DISPOSAL RECEPTACLE
 - ELECTRIC HAND DRYER
 - ELECTRIC SOAP DISPENSE
 - FLOOR MOUNTED TOILET PARTITIONS

PROVIDE SUBSTANTIAL AND ADEQUATE BACKING WITHIN WALLS AT ALL ACCESSORY MOUNTING LOCATIONS.

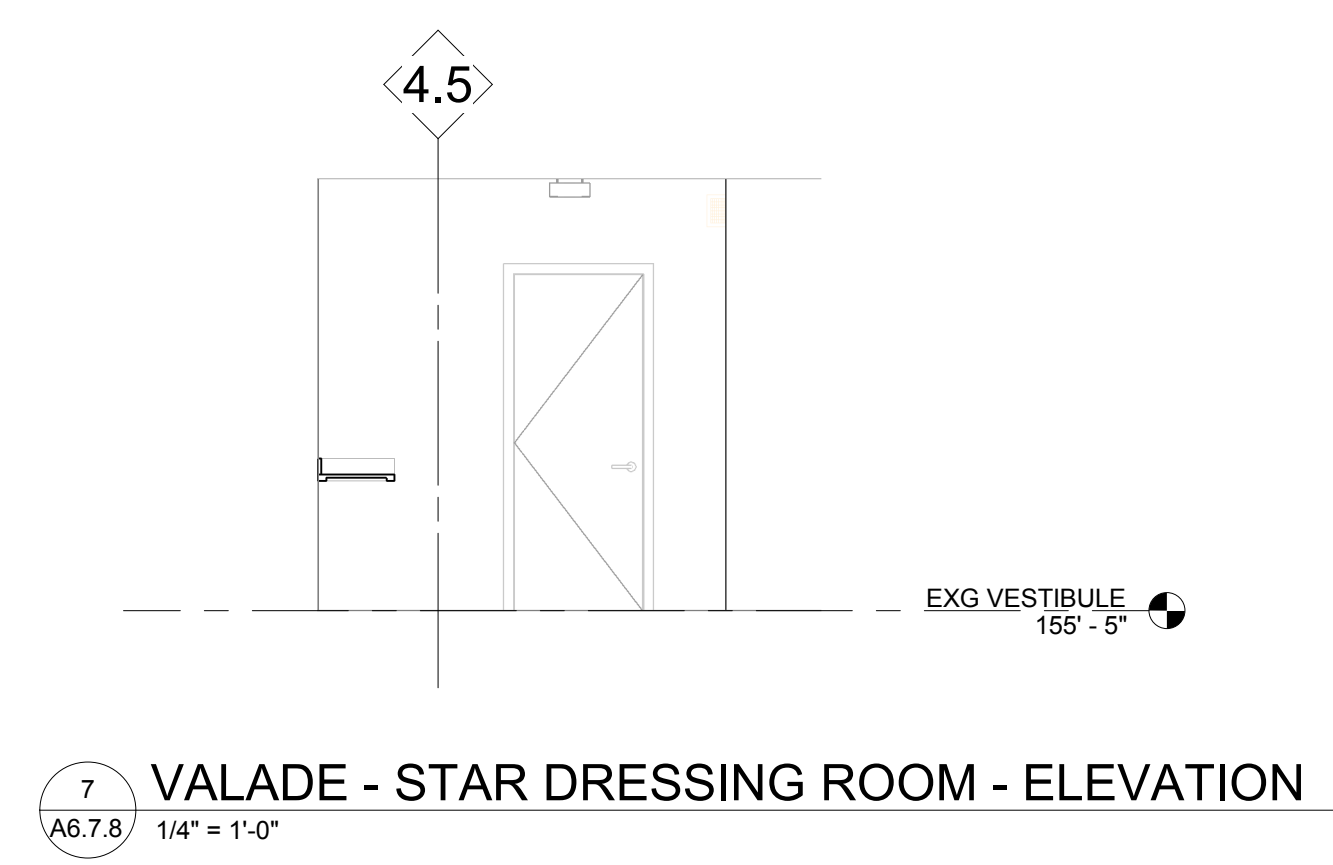
Owner	Wayne State University FP&M 5454 Cass Ave Detroit, MI 48202 313.577.2424
Contractor	Walbridge 777 Woodward Ave. Suite 300 Detroit, MI 48202 313.963.8000
Executive Architect	Hamilton Anderson 1435 Randolph Street, Suite 200 Detroit, MI 48226 313.964.0270
Design Architect	HGA 420 5th Street N, Suite 100 Minneapolis, MN 55401 612.758.4000
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Lighting	Auerbach Glasow 1045 Sansome Street, Suite 300 San Francisco, CA 94111 415.392.7528
Acoustics / AV	Jaffe Holden 114-A Washington Street Norwalk, CT 06864 203.836.4198



8 VALADE - STAR DRESSING ROOM - ELEVATION
 A6.7.8 1/4" = 1'-0"



4 VALADE - GREEN ROOM - ELEVATION
 A6.7.8 1/4" = 1'-0"



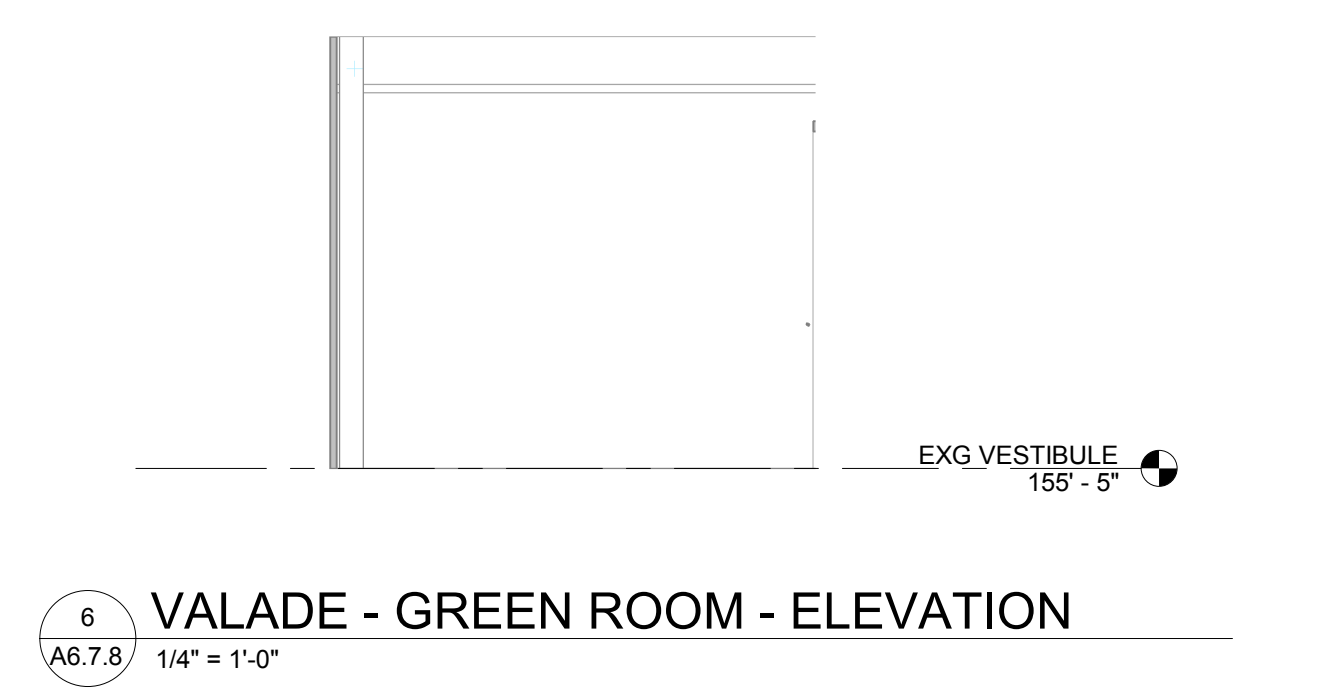
7 VALADE - STAR DRESSING ROOM - ELEVATION
 A6.7.8 1/4" = 1'-0"



3 VALADE - GREEN ROOM - ELEVATION
 A6.7.8 1/4" = 1'-0"



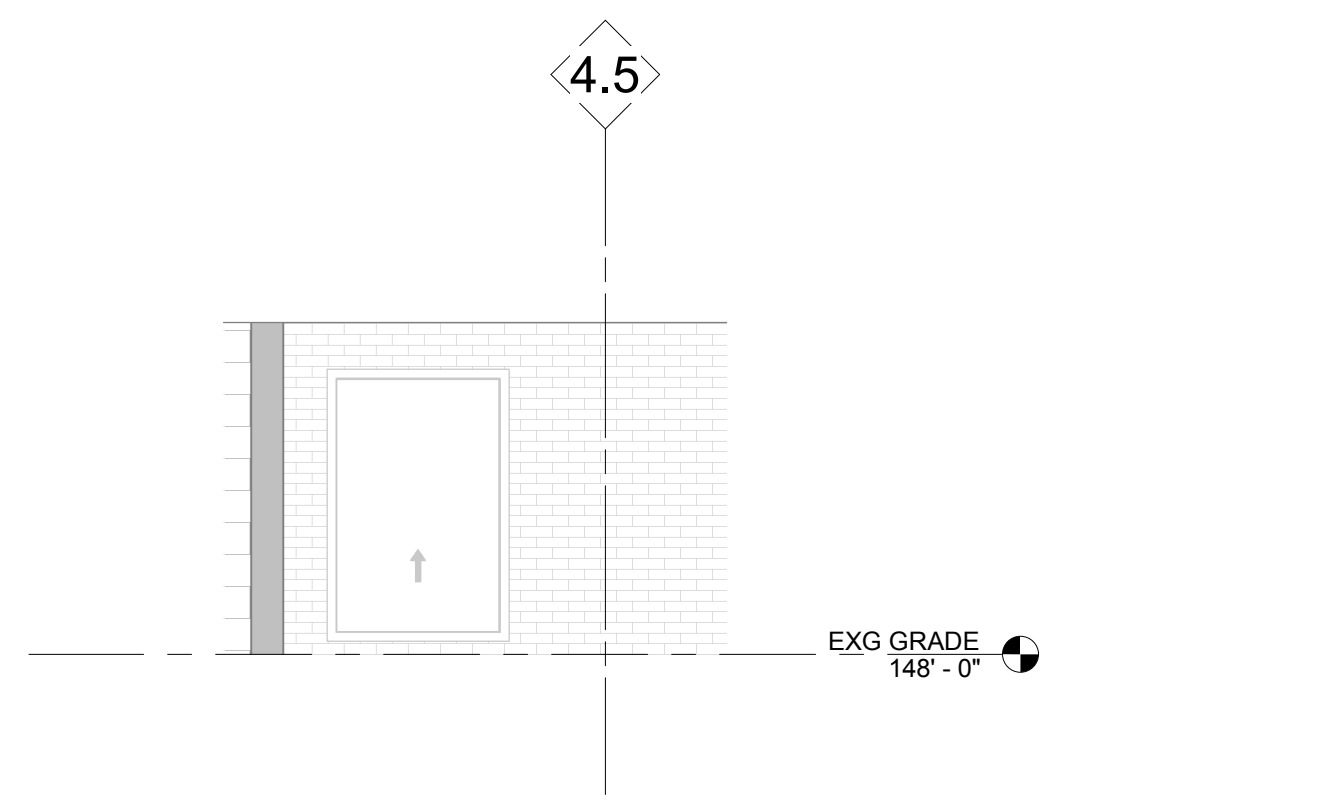
10 VALADE - STAR DRESSING ROOM - ELEVATION
 A6.7.8 1/4" = 1'-0"



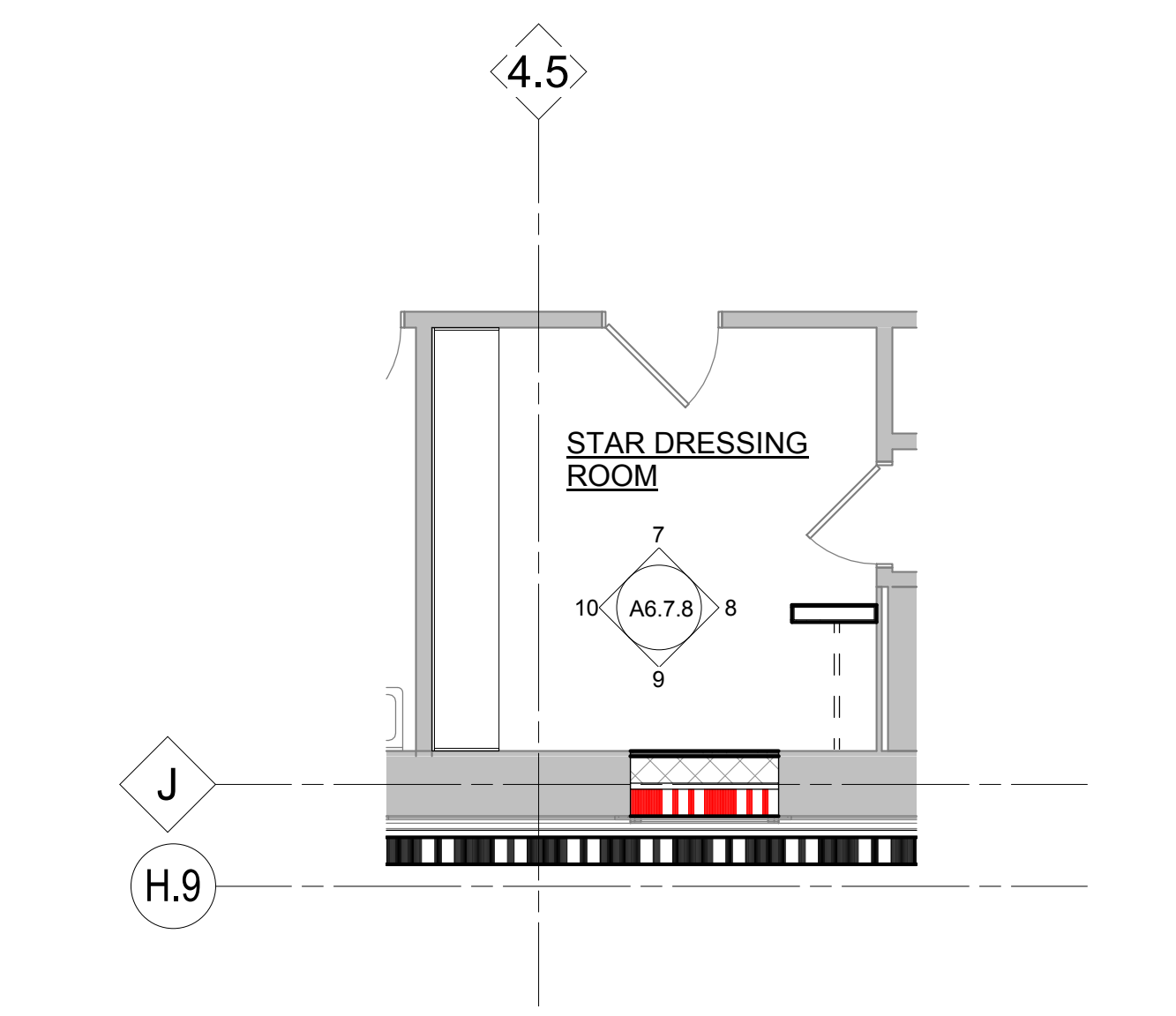
6 VALADE - GREEN ROOM - ELEVATION
 A6.7.8 1/4" = 1'-0"



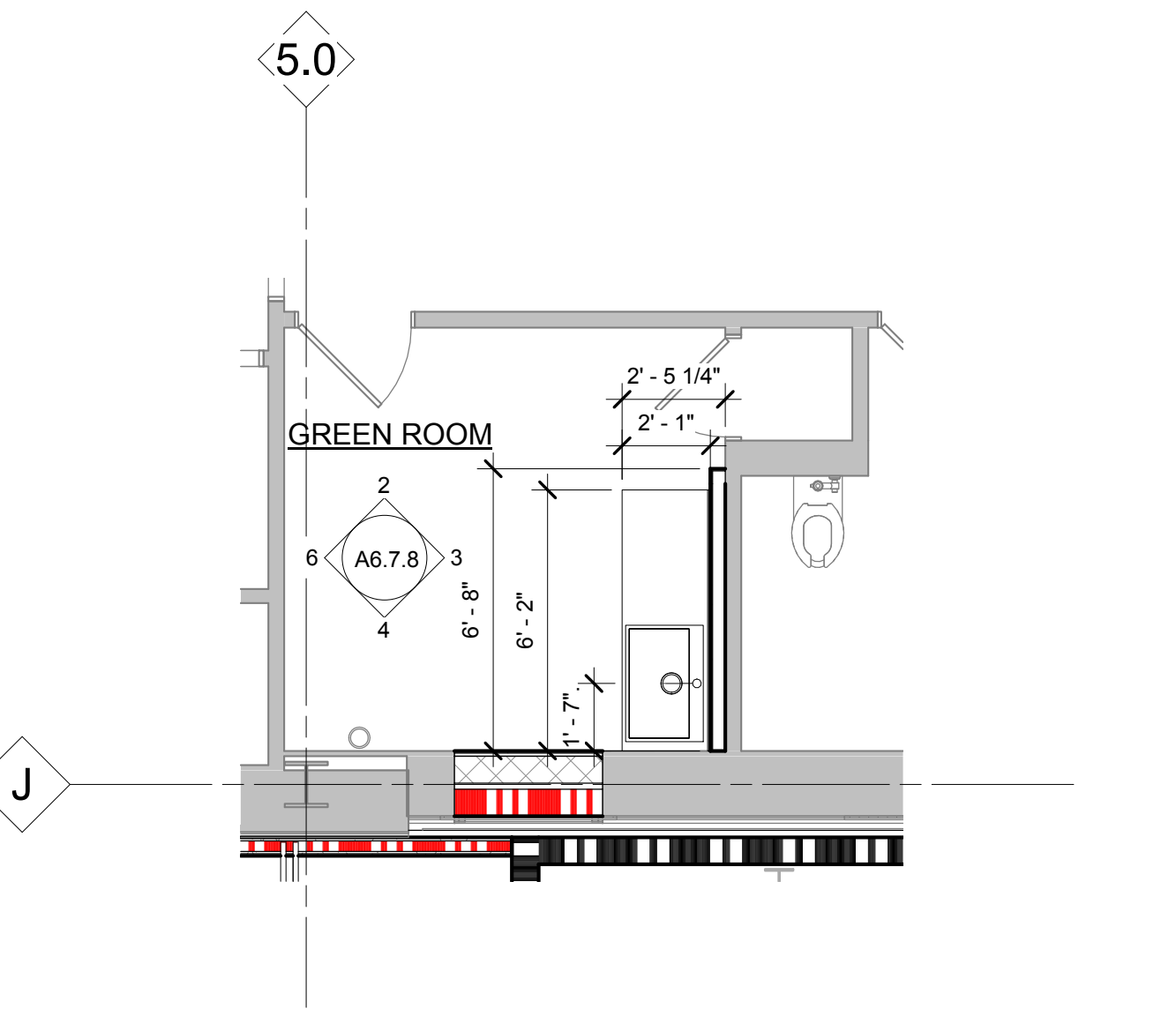
2 VALADE - GREEN ROOM - ELEVATION
 A6.7.8 1/4" = 1'-0"



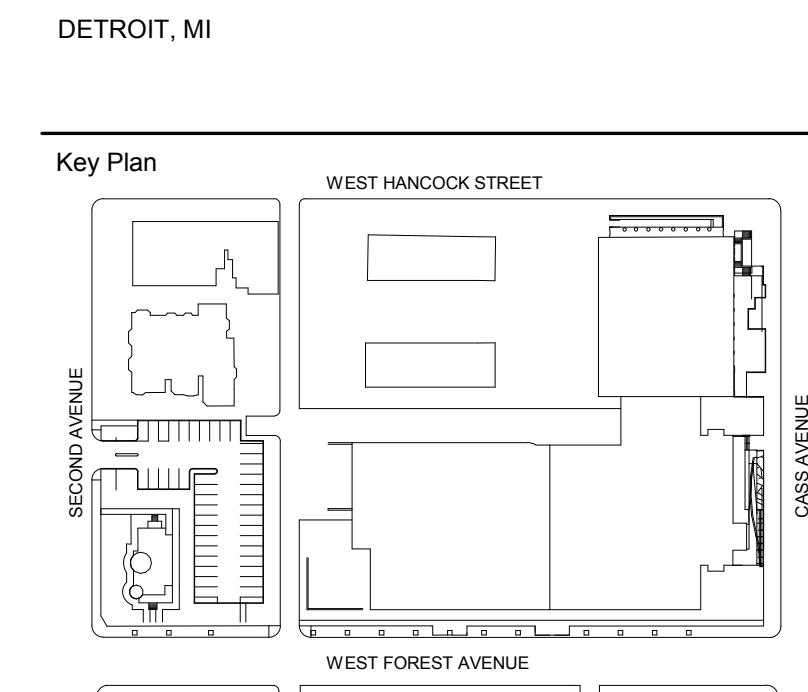
9 VALADE - STAR DRESSING ROOM - ELEVATION
 A6.7.8 1/4" = 1'-0"



5 ENLARGED PLAN - STAR DRESSING ROOM
 A1.1A 1/4" = 1'-0"



1 ENLARGED PLAN - GREEN ROOM
 A1.1A 1/4" = 1'-0"



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Project	

WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
ENLARGED DRESSING ROOM PLANS AND ELEVATIONS - VALADE

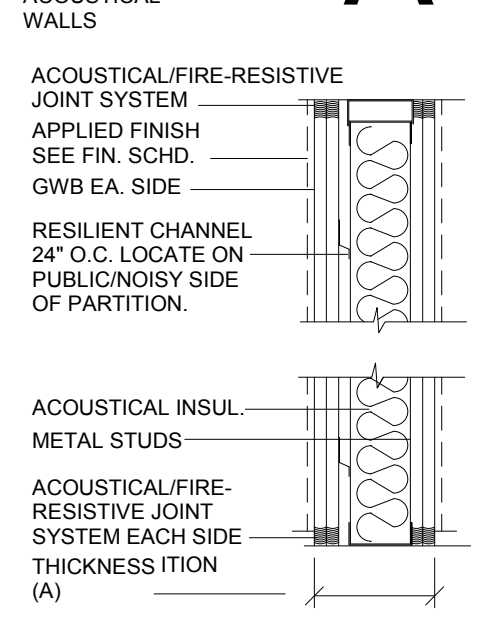
Project Number: 3995-001-00
 Drawn By: Designer
 Scale: As indicated
 Seal:

Signature: _____
 Drawing No:

A6.7.8

FOR REFERENCE ONLY -
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PARTITION SYSTEM A



ACOUSTICAL/FIRE-RESISTIVE JOINT SYSTEM
 APPLIED FINISH SEE FIN. SCHD.
 GWB EA. SIDE

RESILIENT CHANNEL
 24" O.C. LOCATE ON PUBLIC/SIDE OF PARTITION

ACOUSTICAL INSUL.
 METAL STUDS

ACOUSTICAL/FIRE-RESISTIVE JOINT SYSTEM EACH SIDE THICKNESS ITION (A)

NOTES

TYPE MARK	PARTITION WIDTH	CORE WIDTH	STUD SPACING (MAX. O.C.)	GWB THICKNESS (EA. SIDE)	RESILIENT CHANNEL	CORE HEIGHT			JOINTS		RATINGS				REMARKS	
						ACOUSTICAL INSUL. THICKNES	CORE TO STRUCT. / GWB TO STRUCT.	CORE AND GWB TO 6" ABOVE CEILING	ACOUS.	FIRE	FIRE RATING	FIRE TEST (UL)	ACOUSTICAL RATING (STC)	ACOUSTICAL TEST NUMBER		
A3.A	4 7/8"	3 5/8"	16"	5/8"	25GA / 1/2" SINGLE SIDE	3"	Yes	No	No	Yes	No	-	-	54	RAL-TL83-216	
A3p	5 7/8"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A4a	5 1/4"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

NOTES

1. PARTITIONS ARE DISTINGUISHED BY SYMBOL DESIGNATION, GRAPHIC DESIGNATION OR A COMBINATION OF BOTH DESIGNATIONS.

(G32) —

2. THE FIRST CHARACTER IS A LETTER INDICATING THE PARTITION TYPE.
 A ACUSTICAL PARTITION
 F FURRED PARTITION, GYPSUM WALL BOARD (ONE SIDE) OVER FURRED GYPSUM WALL BOARD (BOTH SIDES) OVER METAL FRAMING
 M MASONRY PARTITION
 S SHAF. GYPSUM WALL BOARD & LINER PANEL ON METAL FRAMING
 S STACKED COMBINATION OF A FRAMED PARTITION ON A MASONRY BASE

THE SECOND CHARACTER IS NUMERIC INDICATING THE STUD OR CMU WIDTH.
 NUMERIC CHARACTER STUD WIDTH CMU WIDTH
 0 7/8"
 1 1 5/8"
 2 2 1/2"
 3 2 5/8"
 4 4"
 6 5 5/8"
 8 7 5/8"
 12 11 5/8"

THE THIRD CHARACTER REFERS TO RATING OR WALL HEIGHT (IF UNRATED).
 A STUDS AND GYPSUM WALL BOARD TO STRUCTURE ABOVE
 B STUDS TO STRUCTURE ABOVE, GYPSUM WALL BOARD TO 6" ABOVE CEILING.
 C STUDS (BRACED) AND GYPSUM WALL BOARD TO 6" ABOVE CEILING.

THE RATING IS ALSO SHOWN GRAPHICALLY.
 GRAPHIC DESIGNATION PRIORITY
 4 HR FIRE BARRIER HIGHEST
 3 HR FIRE BARRIER HIGH
 2 HR FIRE BARRIER MEDIUM
 1 HR FIRE BARRIER LOW
 SMOKE PARTITION (NON RATED) LOWEST

3. IF NO SYMBOL DESIGNATION IS PROVIDED, THE STUD SIZE WILL BE 3 5/8".

4. "LINE OF STRUCTURE" INDICATED FOR EACH PARTITION IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE EXACT CONSTRUCTION CONDITIONS OR GEOMETRY.

5. ALL DIMENSIONS ARE FROM FACE OF GYPSUM BOARD TO FACE OF GYPSUM BOARD. REFER TO PARTITION MATRICES FOR PARTITION WIDTH DIMENSIONS UNLESS INDICATED TO BE SHOWN ON PLAN.

6. THE GRAPHIC DESIGNATION IS INCORPORATED FOR PARTITIONS REQUIRED TO BE SMOKE RESISTANT, FIRE RESISTANT, OR BOTH FIRE AND SMOKE RESISTANT.

7. FIRE RESISTANT AND FIRE RESISTANT SMOKE BARRIER RATINGS ARE TO SURROUND ALL OPENINGS IN RATED PARTITIONS.

8. SMOKE RESISTANT, FIRE RESISTANT, AND FIRE RESISTANT SMOKE BARRIER PARTITIONS SHALL EXTEND AND SEAL TO INSIDE FACE OF EXTERIOR SHEATHING, INCLUDING EXTENSIONS THROUGH ROOF/FLOORS.

9. FOR PARTITIONS INDICATED TO RECEIVE SOUND ATTENUATION BLANKETS (SAB), EXTEND SAB TO FULL HEIGHT OF PARTITION UNLESS OTHERWISE INDICATED. FLOOR TRACK TO BE SET IN A CONTINUOUS BED OF SEALANT.

10. SEALANT:
 1. FIRE RESISTANCE RATED PARTITIONS SHALL USE RATED FIRE/SMOKE FIRE RESISTANT FILL MATERIAL IN CONJUNCTION WITH AN APPROPRIATE RATED FIRE/SMOKE FIRE STOPPING SYSTEM.
 2. NON-RATED PARTITIONS AND NON-RATED SMOKE RESISTANT PARTITIONS SHALL USE ACOUSTICAL SEALANT.

11. INSULATION - HEAD CONDITIONS AT FLOOR/ROOF DECK
 1. FIRE RESISTANCE RATED PARTITIONS SHALL USE MINERAL WOOL INSULATION.
 2. NON-RATED PARTITIONS REQUIRING SOUND ATTENUATION SHALL USE SOUND ATTENUATION BLANKETS (SAB).
 3. PROVIDE FULL THICKNESS INSULATION INSIDE ALL STUD BOX BEAMS AND HEADERS WHICH OCCUR IN WALLS WITH SOUND ATTENUATION.
 4. PROVIDE SOUND ATTENUATION BLANKETS IN ALL WALL CAVITIES WITH PLUMBING STACKS FULL HEIGHT OF WALL.

12. EACH PARTITION SHOWN ON THE DRAWINGS TO HAVE A FIRE AND SMOKE RESISTANT RATING SHALL BE IDENTIFIED AS SUCH WITH A LABEL ABOVE THE CEILING ON EACH SEGMENT OF THE WALL AND 6" O.C. MAX EACH SIDE.

13. REFER TO SPECIFICATIONS FOR MINIMUM STUD THICKNESS, MAXIMUM SPACING AND ALLOWABLE LIMITING HEIGHTS/DEFLECTION CRITERIA FOR GYPSUM BOARD ASSEMBLIES.

14. REFER TO TOILET ACCESSORIES SHEET AND CASEWORK SHEET FOR MOUNTING DETAIL INFORMATION.

15. REFER TO STRUCTURAL DRAWINGS FOR REINFORCING INFORMATION.

16. HEAD OF WALL DETAILS DO NOT ALTER PARTITION TYPES NOTED ON PLANS.

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Structural Engineer DESAI / NASR Consulting Engineers Inc.
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 West Bloomfield, MI 48322
 248.392.2010

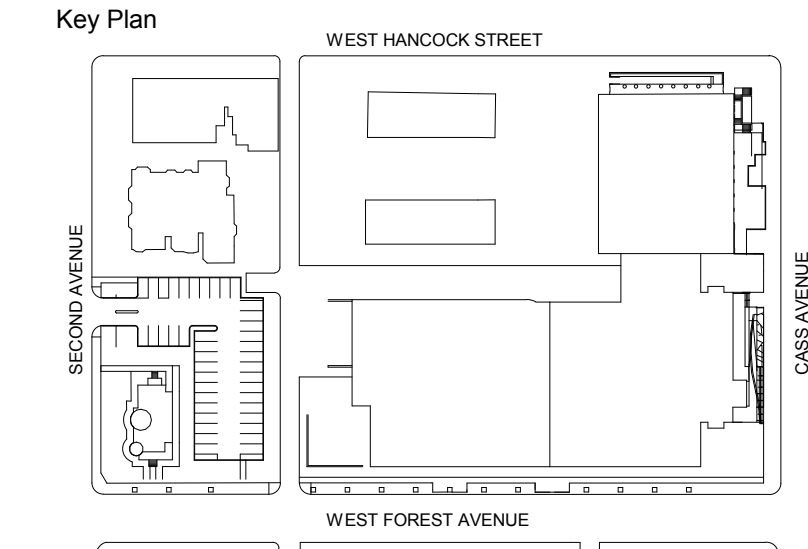
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WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578
 Drawing Title
INTERIOR PARTITIONS

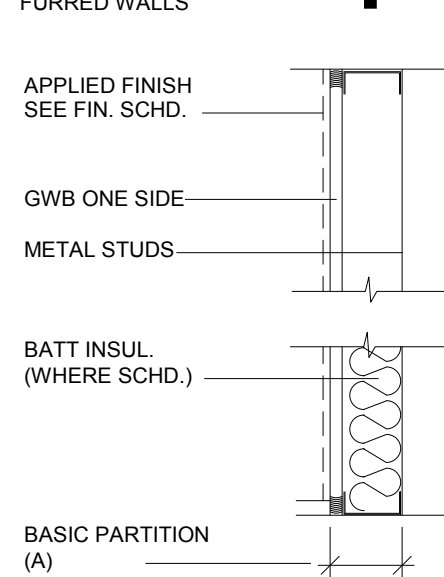
Project Number: 3995-001-00
 Drawn By: Designer
 Scale: As indicated
 Seal:

Signature: _____
 Drawing No:

A7.4.1

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PARTITION SYSTEM F



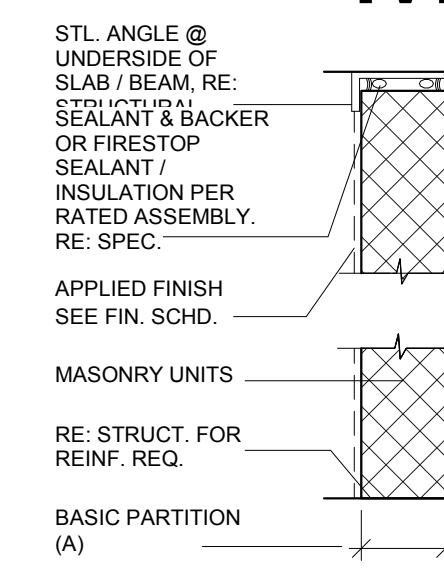
APPLIED FINISH SEE FIN. SCHD.
 GWB ONE SIDE
 METAL STUDS
 BATT INSUL. (WHERE SCHD.)

BASIC PARTITION (A)

NOTES

- 1. SUBSTITUTE CEMENT BOARD FOR GWB AT TILE LOCATIONS.

PARTITION SYSTEM M

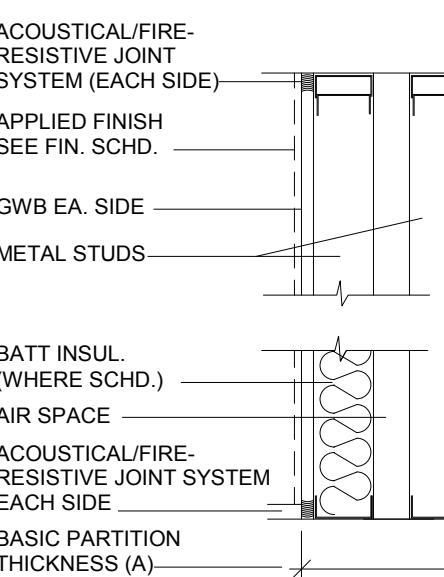


STL. ANGLE @ UNDERSIDE OF SLAB / BEAM. RE. SEALANT & BACKER OR FIRESTOP SEALANT / INSULATION PER RATED ASSEMBLY, RE. SPEC.
 APPLIED FINISH SEE FIN. SCHD.
 MASONRY UNITS
 RE. STRUCT. FOR REINF. REQ.
 BASIC PARTITION (A)

NOTES

REFER TO EXT. WALL SECTIONS FOR STRUCTURAL CMU.

PARTITION SYSTEM C

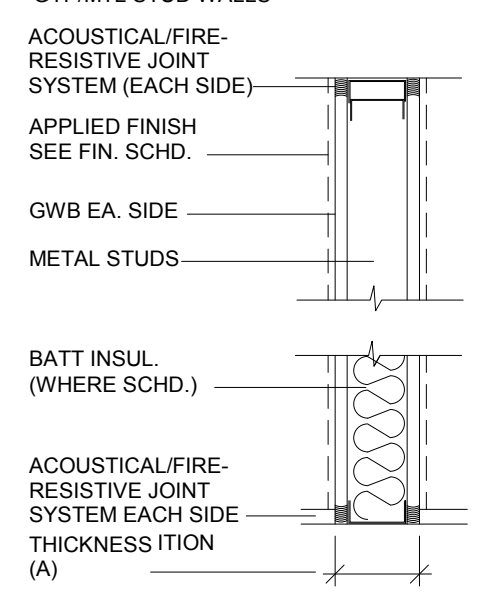


ACOUSTICAL/FIRE-RESISTIVE JOINT SYSTEM (EACH SIDE)
 APPLIED FINISH SEE FIN. SCHD.
 GWB EA. SIDE
 METAL STUDS
 BATT INSUL. (WHERE SCHD.)
 AIR SPACE
 ACOUSTICAL/FIRE-RESISTIVE JOINT SYSTEM EACH SIDE
 BASIC PARTITION THICKNESS (A)

NOTES

ALL MTL. STUD WALL ASSEMBLIES ARE DELEGATED DESIGN BY STUD MFG.

PARTITION SYSTEM G



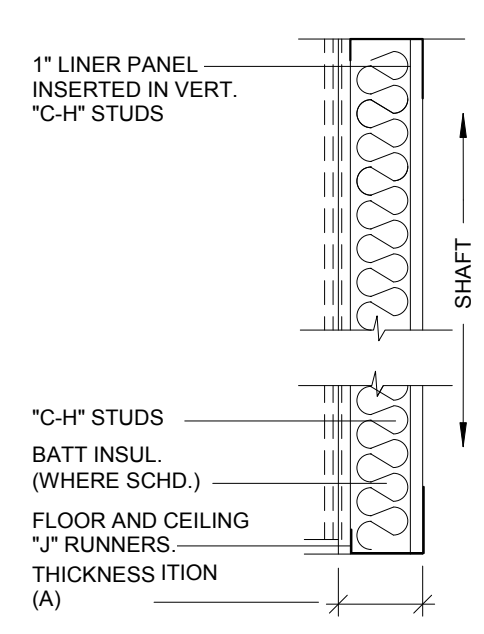
ACOUSTICAL/FIRE-RESISTIVE JOINT SYSTEM (EACH SIDE)
 APPLIED FINISH SEE FIN. SCHD.
 GWB EA. SIDE
 METAL STUDS
 BATT INSUL. (WHERE SCHD.)
 ACOUSTICAL/FIRE-RESISTIVE JOINT SYSTEM EACH SIDE THICKNESS ITION (A)

NOTES

ALL MTL. STUD WALL ASSEMBLIES ARE DELEGATED DESIGN BY STUD MFG.

TYPE MARK	PARTITION WIDTH	CORE WIDTH	STUD SPACING (MAX. O.C.)	GWB THICKNESS (EA. SIDE)	RESILIENT CHANNEL	CORE HEIGHT			JOINTS		RATINGS				REMARKS
						ACOUSTICAL INSUL. THICKNES	CORE TO STRUCT. / GWB TO STRUCT.	CORE AND GWB TO 6" ABOVE CEILING	ACOUS.	FIRE	FIRE RATING	FIRE TEST (UL)	ACOUSTICAL RATING (STC)	ACOUSTICAL TEST NUMBER	
M8.1	7 5/8"	7 5/8"	-	-	-	Yes	No	No	No	Yes	1 HR	U905	48	NCMA TEK 13-1B	
M8.2	7 5/8"	7 5/8"	-	-	-	Yes	No	No	No	Yes	2 HR	U905	48	NCMA TEK 13-1B	
M8.B	7 5/8"	7 5/8"	-	-	-	Yes	No	No	Yes	No	-	-	-	-	
M8a	8"	-	-	-	-	-	-	-	-	-	-	-	-	-	
M12.2	11 5/8"	11 5/8"	-	-	-	Yes	No	No	No	Yes	2 HR	U905	-	-	GROUT FILLED
M12.B	11 5/8"	11 5/8"	-	-	-	Yes	No	No	Yes	No	-	-	-	-	GROUT FILLED

PARTITION SYSTEM S



1" LINER PANEL INSERTED IN VERT. "C" STUDS
 "C" STUDS
 BATT INSUL. (WHERE SCHD.)
 FLOOR AND CEILING "F" RUNNERS THICKNESS ITION (A)

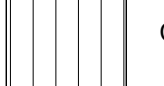
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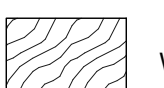
TYPE MARK	PARTITION WIDTH	CORE WIDTH	STUD SPACING (MAX. O.C.)	GWB THICKNESS (EA. SIDE)	RESILIENT CHANNEL	CORE HEIGHT			JOINTS		RATINGS				REMARKS		
						ACOUSTICAL INSUL. THICKNES	CORE TO STRUCT. / GWB TO STRUCT.	CORE AND GWB TO 6" ABOVE CEILING	ACOUS.	FIRE	FIRE RATING	FIRE TEST (UL)	ACOUSTICAL RATING (STC)	ACOUSTICAL TEST NUMBER			
S4	4 5/8"	4"	24"	5/8" & 1"	-	-	-	-	Yes	No	No	No	Yes	-	U415	39	USG 040901
S4.2	5 1/4"	4"	24"	(2) 5/8" & 1"	-	-	-	-	Yes	No	No	No	Yes	2 HR	U415	43	USG 040912

TYPE MARK	PARTITION WIDTH	CORE WIDTH	STUD SPACING (MAX. O.C.)	GWB THICKNESS (EA. SIDE)	RESILIENT CHANNEL	CORE HEIGHT			JOINTS		RATINGS				REMARKS	
						ACOUSTICAL INSUL. THICKNES	CORE TO STRUCT. / GWB TO STRUCT.	CORE AND GWB TO 6" ABOVE CEILING	ACOUS.	FIRE	FIRE RATING	FIRE TEST (UL)	ACOUSTICAL RATING (STC)	ACOUSTICAL TEST NUMBER		
C3.B	14 3/4"	3 5/8" + 6"	16"	5/8"	-	3 1/2"	Yes	No	No	Yes	No	-	-	-	-	

- GENERAL NOTES - FINISH PLAN**
- A. FINISHES INDICATED IN THIS PLAN ONLY DESCRIBE THE BASIC PREDOMINATE SURFACES FINISH.
 - B. SEE KEYNOTES FOR REFERENCES TO ADDITIONAL DRAWINGS AND SUPPLEMENTAL ROOM FINISH INFORMATION.
 - C. DIRECTION WALL INDICATORS (NORTH, SOUTH, EAST, WEST) REFER TO THE "PLAN" NORTH ORIENTATION.
 - D. FLAME SPREAD RATINGS FOR ALL FINISH MATERIALS SHALL CONFORM TO THE APPLICABLE REGULATORY STANDARDS.
 - E. EXTEND FLOORING AND PROVIDED BASE INTO ALL ROLL UNDER SINK BASE CABINETS.
 - F. PROVIDE FINISH END PANELS AT ALL EXPOSED CABINET ENDS.
 - G. FULL HEIGHT SST CORNER GUARDS AT ALL OUTSIDE CORNERS OF BOH SPACES.
 - H. SEE ENLARGED TOILET ROOM PLANS FOR ADDITIONAL FINISH INFORMATION.
 - I. CTW/PNT INDICATES CTW WAINSCOT TO 5'-0" AFF WITH PAINTED GYPSUM BD WALL ABOVE.
 - J. SEE ACOUSTIC NARRATIVE FOR INFORMATION RE: ACOUSTIC FINISHES.
 - K. SEE ENLARGED PLANS AND INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION.
 - L. PROVIDE FULL HEIGHT FRP WHERE NOTED.

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Acoustics / AV	Jaffe Holden 114-A Washington Street Norwalk, CT 06864 203.836.4188

 CPT-20

 WDF-20

NOTE 1: CLEAN, PATCH AND REPAIR EXISTING TERRAZZO FLOOR.

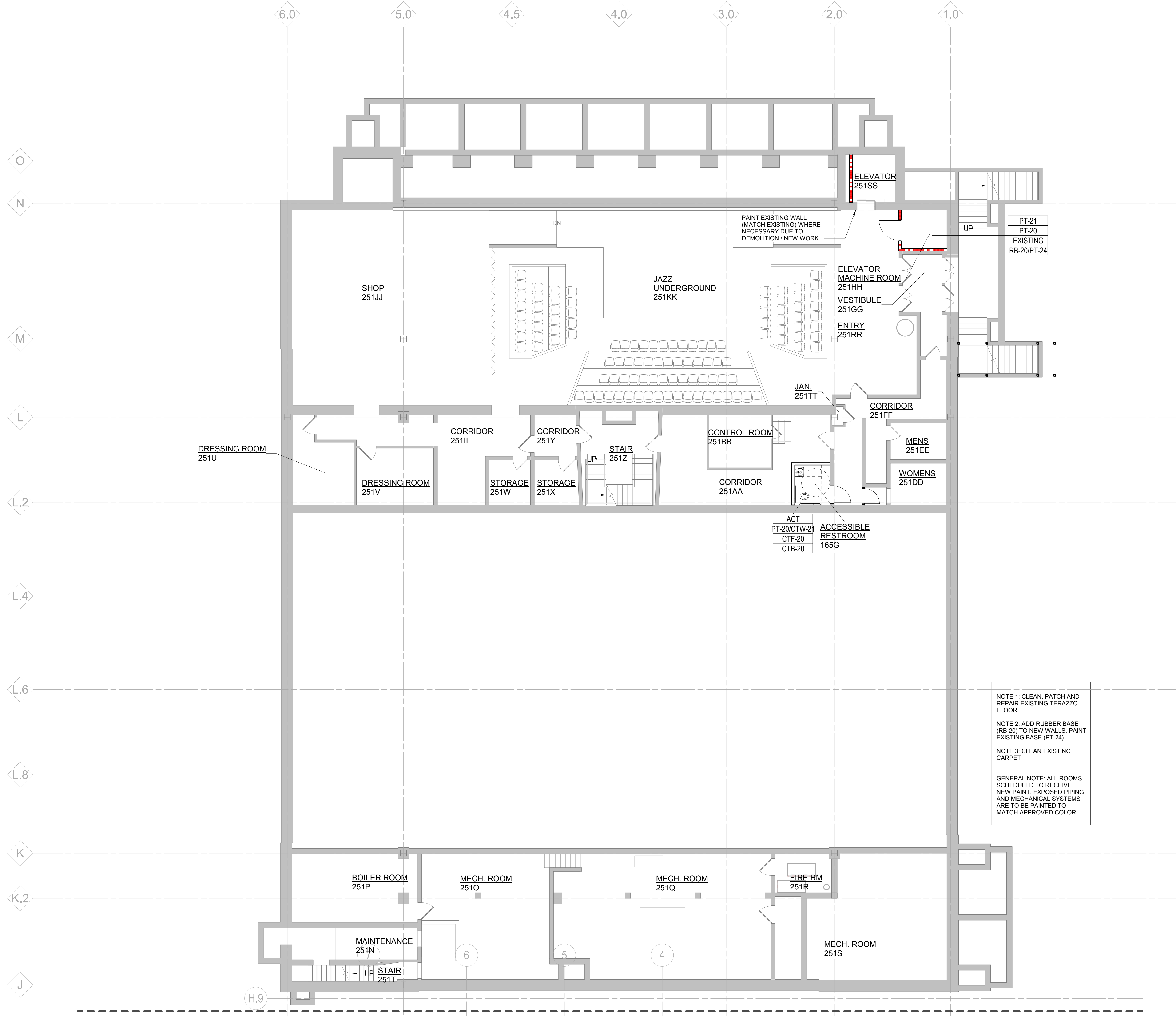
NOTE 2: ADD RUBBER BASE (RB-20) TO NEW WALLS, PAINT EXISTING BASE (PT-24)

NOTE 3: CLEAN EXISTING CARPET

NOTE 4: EXISTING STONE WAINSCOTTING TO REMAIN. CLEAN AND REPAIR AS NEEDED. PAINT PLASTER/GYPSUM WALLS PT-20.

NOTE 5: REPLACE EXISTING ACT CEILING PAD, AND PAINT EXISTING GRID (PT-21).

GENERAL NOTE: ALL ROOMS SCHEDULED TO RECEIVE NEW PAINT. EXPOSED PIPING AND MECHANICAL SYSTEMS ARE TO BE PAINTED TO MATCH APPROVED COLOR.

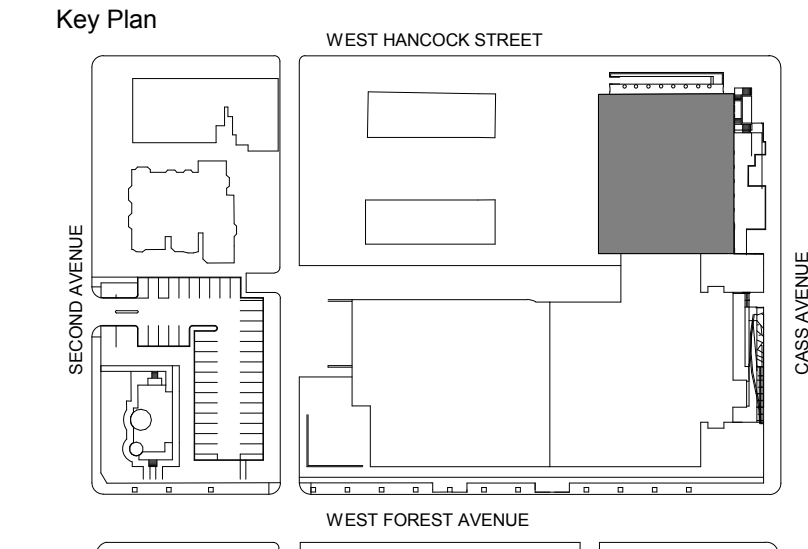


NOTE 1: CLEAN, PATCH AND REPAIR EXISTING TERRAZZO FLOOR.

NOTE 2: ADD RUBBER BASE (RB-20) TO NEW WALLS, PAINT EXISTING BASE (PT-24)

NOTE 3: CLEAN EXISTING CARPET

GENERAL NOTE: ALL ROOMS SCHEDULED TO RECEIVE NEW PAINT. EXPOSED PIPING AND MECHANICAL SYSTEMS ARE TO BE PAINTED TO MATCH APPROVED COLOR.



100% DESIGN DEVELOPMENT FEB. 06, 2019

WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
LOWER LEVEL FINISH & SIGNAGE PLAN - SECTOR A

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: As indicated
 Seal:

FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

Signature: _____
 Drawing No:

A7.7.0A

FINISH PLAN - LOWER LEVEL - SECTOR A
 1/8" = 1'-0"

- GENERAL NOTES - FINISH PLAN**
- FINISHES INDICATED IN THIS PLAN ONLY DESCRIBE THE BASIC PREDOMINATE SURFACES FINISH.
 - SEE KEYNOTES FOR REFERENCES TO ADDITIONAL DRAWINGS AND SUPPLEMENTAL ROOM FINISH INFORMATION.
 - DIRECTION WALL INDICATORS (NORTH, SOUTH, EAST, WEST) REFER TO THE "PLAN" NORTH ORIENTATION.
 - FLAME SPREAD RATINGS FOR ALL FINISH MATERIALS SHALL CONFORM TO THE APPLICABLE REGULATORY STANDARDS.
 - EXTEND FLOORING AND PROVIDED BASE INTO ALL ROLL UNDER SINK BASE CABINETS.
 - PROVIDE FINISH END PANELS AT ALL EXPOSED CABINET ENDS.
 - FULL HEIGHT SST CORNER GUARDS AT ALL OUTSIDE CORNERS OF BOH SPACES.
 - SEE ENLARGED TOILET ROOM PLANS FOR ADDITIONAL FINISH INFORMATION.
 - CTW/PT INDICATES CTW WAINSCOT TO 5'-0" AFF WITH PAINTED GYPSUM BD WALL ABOVE.
 - SEE ACOUSTIC NARRATIVE FOR INFORMATION RE: ACOUSTIC FINISHES.
 - SEE ENLARGED PLANS AND INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION.
 - PROVIDE FULL HEIGHT FRP WHERE NOTED.

Owner Wayne State University FP&M
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Executive Architect Hamilton Anderson
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 313.964.0270

Design Architect HGA
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 Minneapolis, MN 55401
 612.758.4000

MEP Engineer HGA
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 612.758.4000

Structural Engineer DESAI / NASR Consulting Engineers Inc.
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Civil Engineer Spalding DeDecker
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 800.598.1600

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 313.964.0270

Theatrical Auerbach Pollock Friedlander
 285 West 37th Street
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 212.764.5630

Lighting Auerbach Glasow
 1045 Sansome Street, Suite 300
 San Francisco, CA 94111
 415.392.7528

Acoustics / AV Jaffe Holden
 114-A Washington Street
 Norwalk, CT 06864
 203.838.4168

Legend:

- CPT-20
- WDF-20

NOTE 1: CLEAN, PATCH AND REPAIR EXISTING TERRAZZO FLOOR.

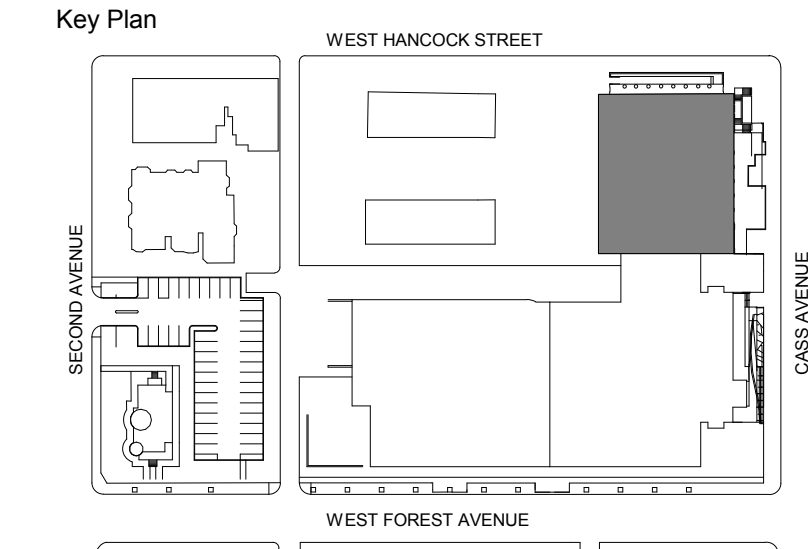
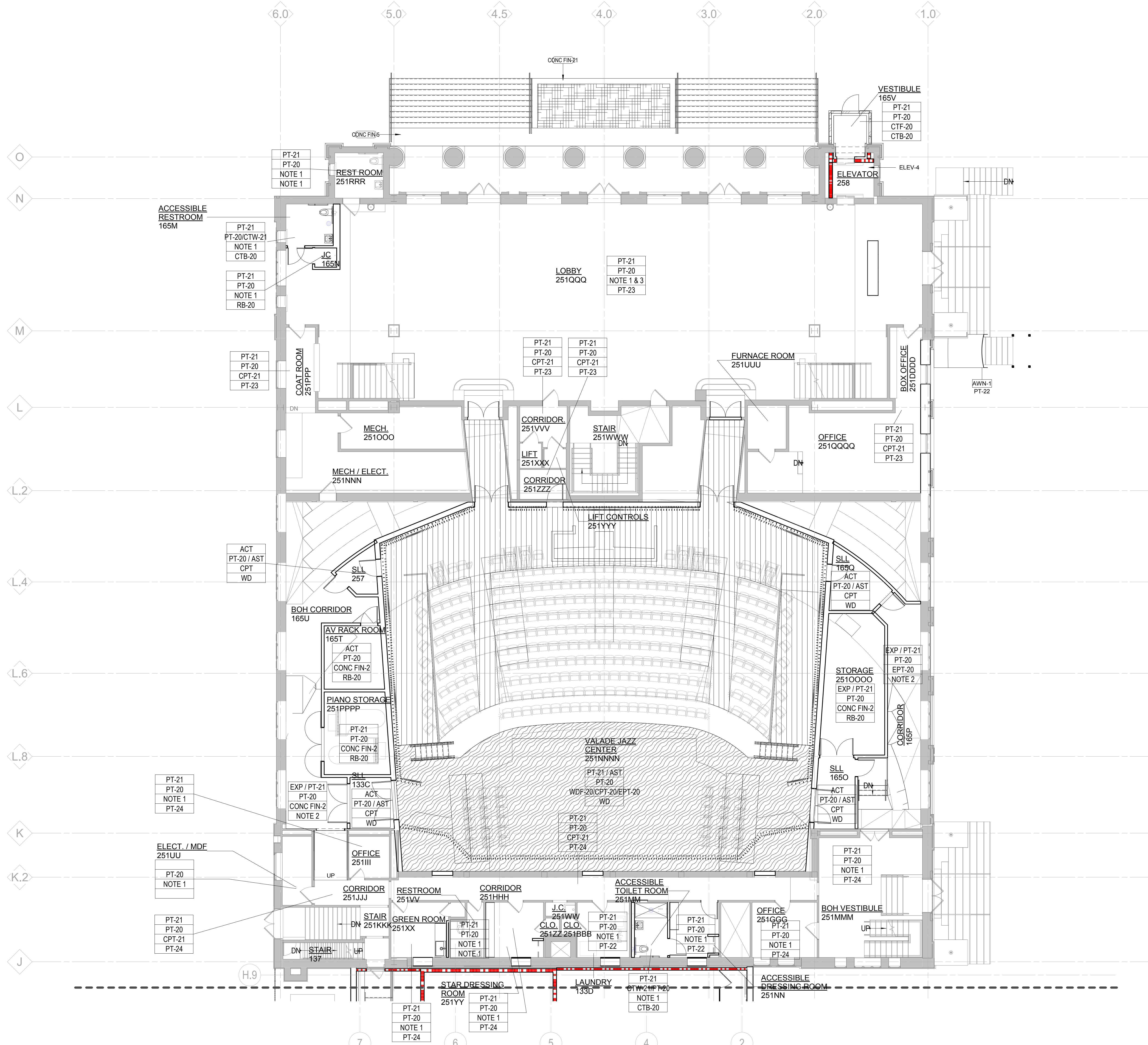
NOTE 2: ADD RUBBER BASE (RB-20) TO NEW WALLS, PAINT EXISTING BASE (PT-24)

NOTE 3: CLEAN EXISTING CARPET

NOTE 4: EXISTING STONE WAINSCOTTING TO REMAIN. CLEAN AND REPAIR AS NEEDED. PAINT PLASTER/GYPSUM WALLS PT-20.

NOTE 5: REPLACE EXISTING ACT CEILING PAD, AND PAINT EXISTING GRID (PT-21).

GENERAL NOTE: ALL ROOMS SCHEDULED TO RECEIVE NEW PAINT. EXPOSED PIPING AND MECHANICAL SYSTEMS ARE TO BE PAINTED TO MATCH APPROVED COLOR.



WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578

Drawing Title
LEVEL ONE FINISH & SIGNAGE PLAN - SECTOR A

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: As indicated
 Seal:

Signature: _____
 Drawing No:

A7.7.1A

FINISH PLAN - LEVEL ONE - SECTOR A
 1/8" = 1'-0"

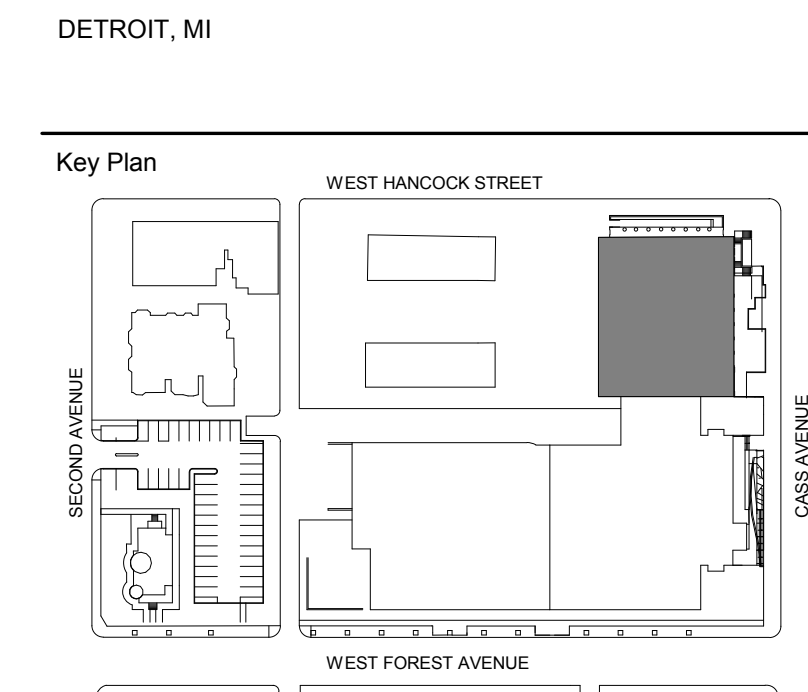
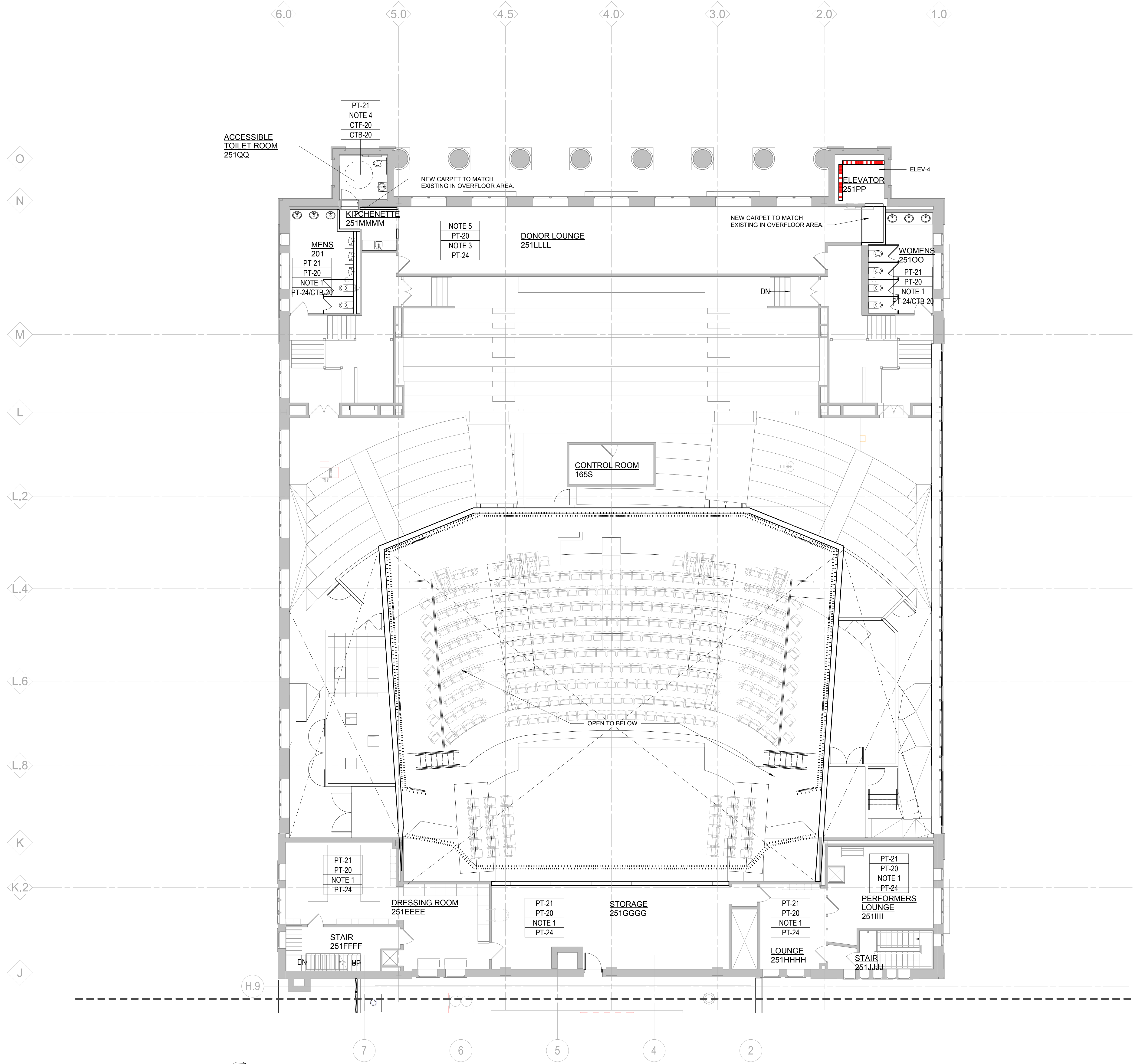
FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

GENERAL NOTES - FINISH PLAN

- A. FINISHES INDICATED IN THIS PLAN ONLY DESCRIBE THE BASIC PREDOMINATE SURFACES FINISH.
- B. SEE KEYNOTES FOR REFERENCES TO ADDITIONAL DRAWINGS AND SUPPLEMENTAL ROOM FINISH INFORMATION.
- C. DIRECTION WALL INDICATORS (NORTH, SOUTH, EAST, WEST) REFER TO THE "PLAN" NORTH ORIENTATION.
- D. FLAME SPREAD RATINGS FOR ALL FINISH MATERIALS SHALL CONFORM TO THE APPLICABLE REGULATORY STANDARDS.
- E. EXTEND FLOORING AND PROVIDED BASE INTO ALL ROLL UNDER SINK BASE CABINETS.
- F. PROVIDE FINISH END PANELS AT ALL EXPOSED CABINET ENDS.
- G. FULL HEIGHT SST CORNER GUARDS AT ALL OUTSIDE CORNERS OF BOH SPACES.
- H. SEE ENLARGED TOILET ROOM PLANS FOR ADDITIONAL FINISH INFORMATION.
- I. CTW/PT INDICATES CTW WAINSCOT TO 5'-0" AFF WITH PAINTED GYPSUM BD WALL ABOVE.
- J. SEE ACOUSTIC NARRATIVE FOR INFORMATION RE: ACOUSTIC FINISHES.
- K. SEE ENLARGED PLANS AND INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION.
- L. PROVIDE FULL HEIGHT FRP WHERE NOTED.

NOTE 1: CLEAN, PATCH AND REPAIR EXISTING TERRAZZO FLOOR.
NOTE 2: ADD RUBBER BASE (RB-20) TO NEW WALLS. PAINT EXISTING BASE (PT-24).
NOTE 3: CLEAN EXISTING CARPET.
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Contractor	Walbridge 777 Woodward Ave. Suite 300 Detroit, MI 48202 313.963.8000
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Design Architect	HGA 420 5th Street N, Suite 100 Minneapolis, MN 55401 612.758.4000
MEP Engineer	HGA 420 5th Street N, Suite 100 Minneapolis, MN 55401 612.758.4000
Structural Engineer	DESAI / NASR Consulting Engineers Inc. 6765 Daly Road West Bloomfield, MI 48322 248.392.2010
Civil Engineer	Spalding DeDecker 905 South Blvd East Rochester Hills, MI 48307 800.598.1600
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Acoustics / AV	Jaffe Holden 114-A Washington Street Norwalk, CT 06864 203.838.4188



100% DESIGN DEVELOPMENT	FEB. 06, 2019
Project	
WSU - GATEWAY THEATER COMPLEX	
WSU PROJECT NO. 189-178578	
Drawing Title	
LEVEL TWO FINISH & SIGNAGE PLAN - SECTOR A	
Project Number: 3995-001-00	
Drawn By: Designer	
Scale: As indicated	
Seal:	

FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

Signature: _____
 Drawing No: _____

FINISH PLAN - LEVEL TWO - SECTOR A
 1/8" = 1'-0"

Owner: Wayne State University FP&M
5454 Cass Ave
Detroit, MI 48202
313.577.2424

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6765 Daly Road
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248.392.2010

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905 South Blvd East
Rochester Hills, MI 48307
800.598.1600

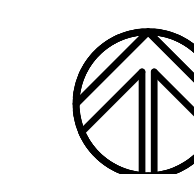
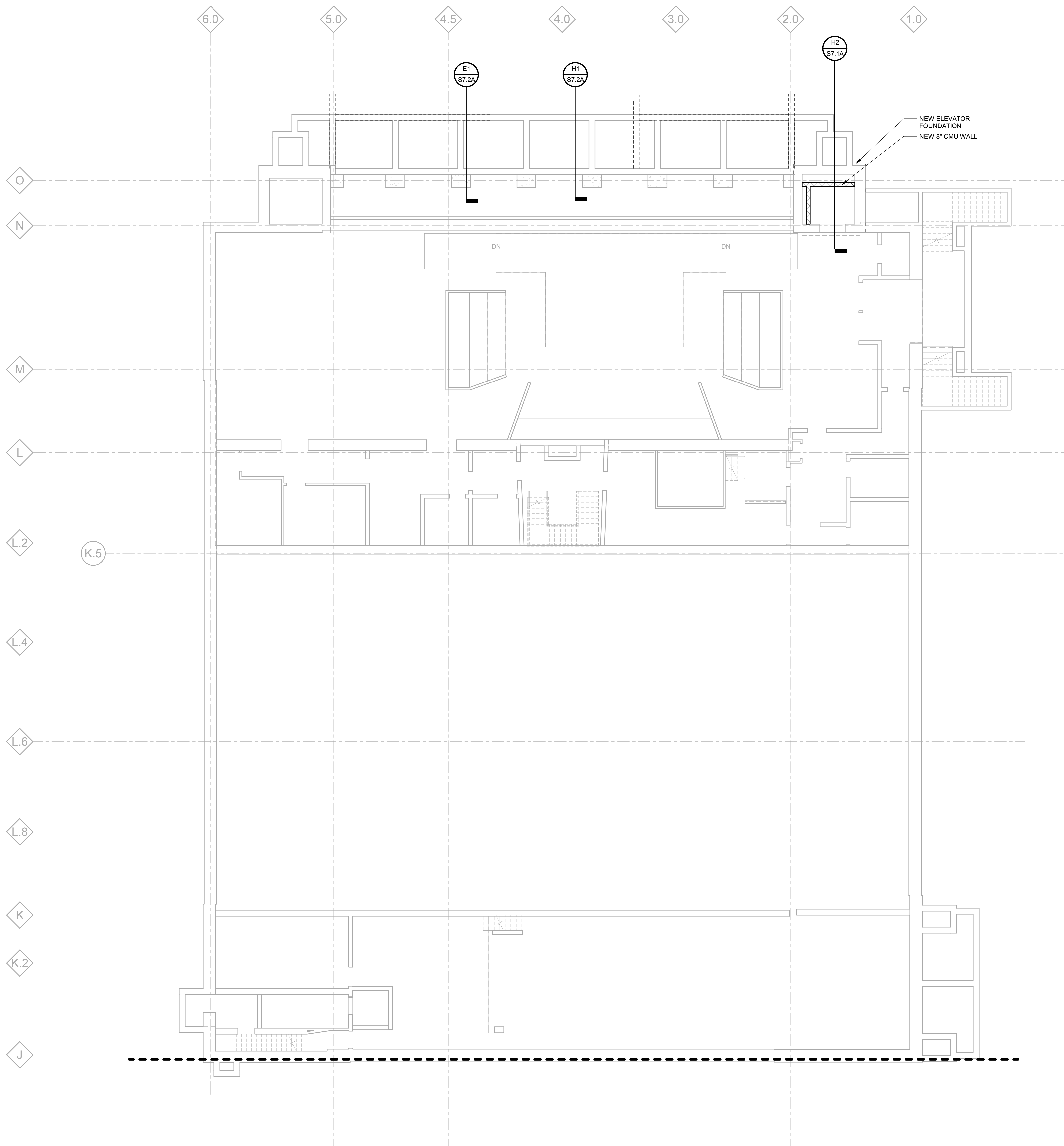
Landscape Architect: Hamilton Anderson
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313.964.0270

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Sheet Size: 30" x 42"
Template Version
A
B
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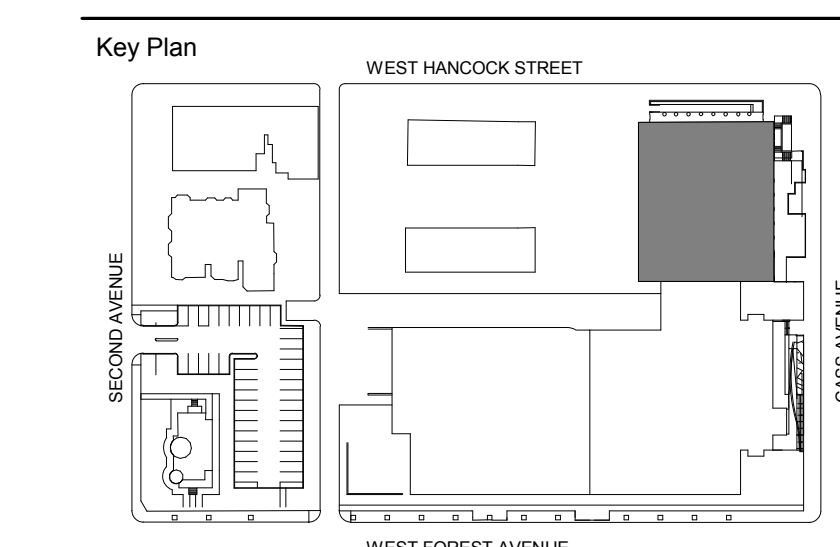


FOUNDATION PLAN LOWER LEVEL - SECTOR A

1/8" = 1'-0"

FOUNDATION NOTES:

- REFERENCE FINISHED FLOOR ELEVATION = REFER TO ARCH.
- FOOTING ARE DESIGNED TO BEAR ON UNDISTURBED NATURAL SOILS WITH A MINIMUM NET ALLOWABLE BEARING CAPACITY OF 5,000 PSF.
- CONTRACTOR SHALL COORDINATE ALL MASONRY DOWEL SIZES AND SPACING TO BE CAST INTO CONCRETE WITH MASONRY REINFORCING SHOP DRAWINGS.
- REFER TO CIVIL/SITE DRAWINGS FOR PROPOSED GRADE ELEVATIONS AROUND THE PERIMETER OF THE BUILDING.
- REFER TO MEP DRAWINGS FOR ALL PIPE AND CONDUIT SIZES AND LOCATIONS PASSING THROUGH AND/OR UNDER FOUNDATIONS.
- DESIGNATIONS:
B-xx APPROXIMATE LOCATION OF SOIL BORINGS. REFER TO GEOTECHNICAL REPORT NO. 58871 PREPARED BY TESTING ENGINEERS & CONSULTANTS INC. (DATED JUNE 20, 2018).
- REFERENCE DRAWINGS:
S0.2 - S0.3 GENERAL STRUCTURAL NOTES
S0.4 SPECIAL INSPECTION SCHEDULES



100% DESIGN DEVELOPMENT	FEB. 06, 2019
50% DESIGN DEVELOPMENT	NOV. 30, 2018

Project
WSU - GATEWAY THEATER COMPLEX
WSU PROJECT NO. 189-178578
Drawing Title
FOUNDATION PLAN LOWER LEVEL - SECTOR A

Project Number: 3995-001-00
Drawn By: FA
Scale: As indicated
Seal:

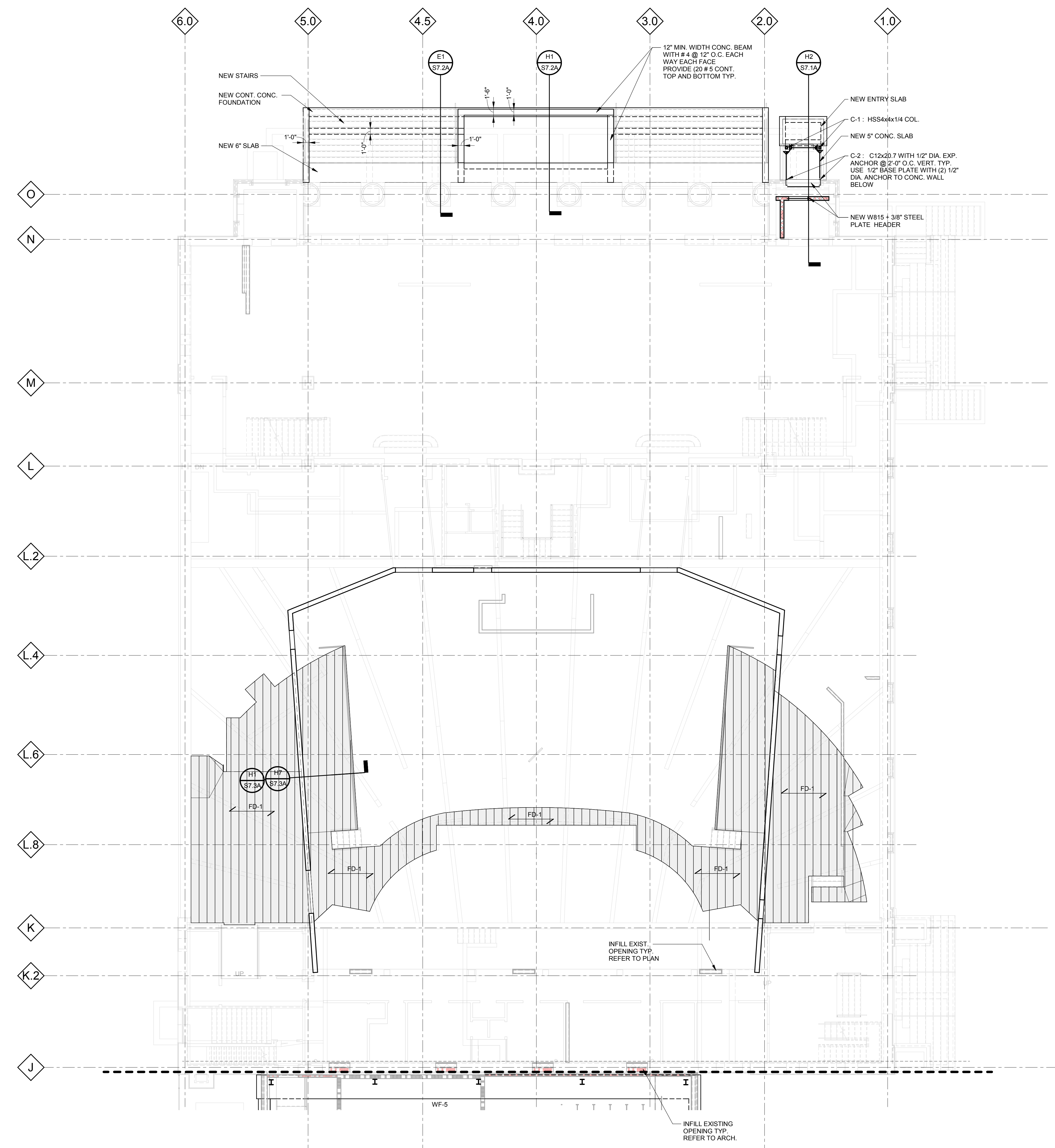
Signature: _____
Drawing No:
S1.0A

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Acoustics / AV	Jaffe Holden 114-A Washington Street Norwalk, CT 06864 203.636.4168

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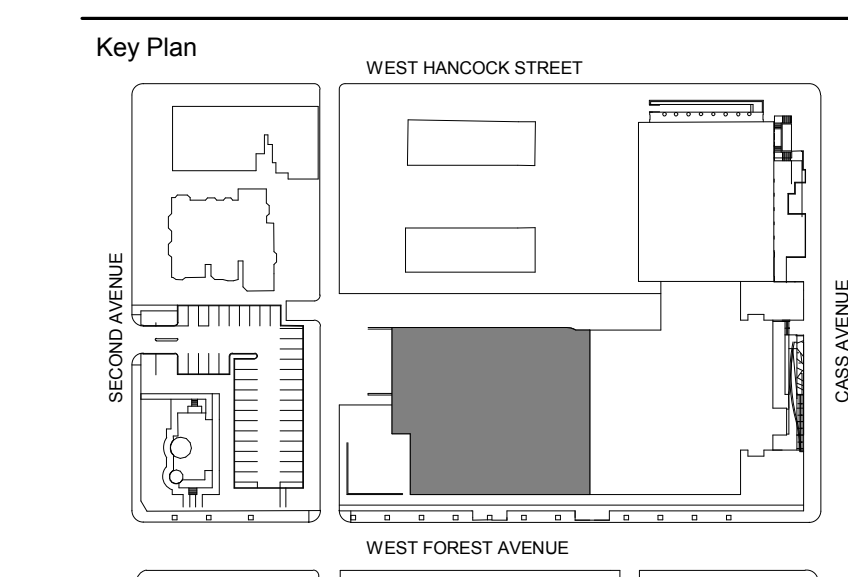
LEVEL ONE FRAMING PLAN - SECTOR A
1/8" = 1'-0"

LEVEL 1 FLOOR FRAMING NOTES:

- FINISHED FLOOR REFERENCE ELEVATION = 148'-8"
- DESIGNATIONS:
FD-1: TYPICAL BUILT UP 2 1/2" LIGHT WEIGHT CONCRETE ON 1"-20 GA. METAL DECK ON 8"-18 GA. LT. GA. FRAMING @ 16" O.C. SPANNING BETWEEN 4"-18 GA. KNEE WALLS SPACED @ 4'-0" O.C.
FD-1 ALT.: 5" CONC. SLAB WITH 6x6-W2.1WWF ON GEOFOAM FILL WITH MIN. 10.5 PSF COMPRESSIVE STRENGTH @ 1% DEFORMATION
- VERIFY SIZE AND LOCATION OF OPENINGS WITH ARCHITECTURAL AND MEP DRAWINGS.
- REFERENCE DRAWINGS:
S0.2 - S0.3 GENERAL STRUCTURAL NOTES
S0.4 SPECIAL INSPECTION SCHEDULES

NOTE:

- EXISTING CONCRETE FLOOR CAPACITY IS CONSIDERED TO BE 150 PSF
- IT IS REQUIRED TO INSPECT, EVALUATE, AND CONFIRM THE EXISTING FLOOR CAPACITY



100% DESIGN DEVELOPMENT	FEB. 06, 2019
50% DESIGN DEVELOPMENT	DEC. 14, 2018

Project
WSU - GATEWAY THEATER COMPLEX
WSU PROJECT NO. 189-178578
Drawing Title
LEVEL ONE FRAMING PLAN - SECTOR A

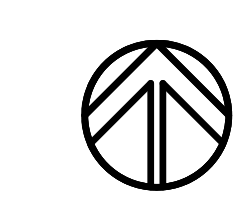
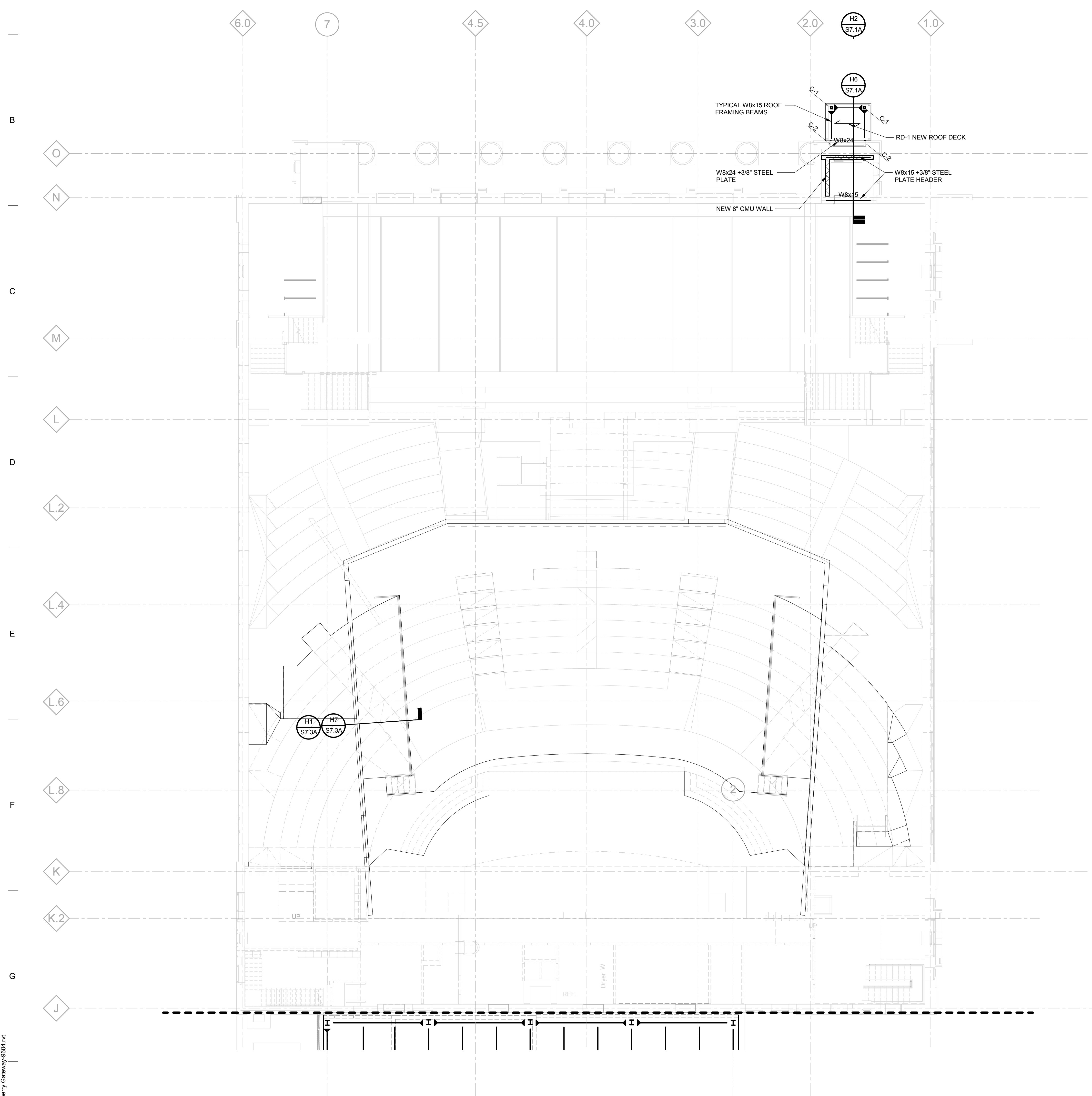
Project Number: 3995-001-00
Drawn By: FA
Scale: As indicated
Seal:

Signature: _____
Drawing No:
S1.1A

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Lighting	Auerbach Glasow 1945 Sansome Street, Suite 300 San Francisco, CA 94111 415.392.7528
Acoustics / AV	Jaffe Holden 114-A Washington Street Norwalk, CT 06864 203.636.4188

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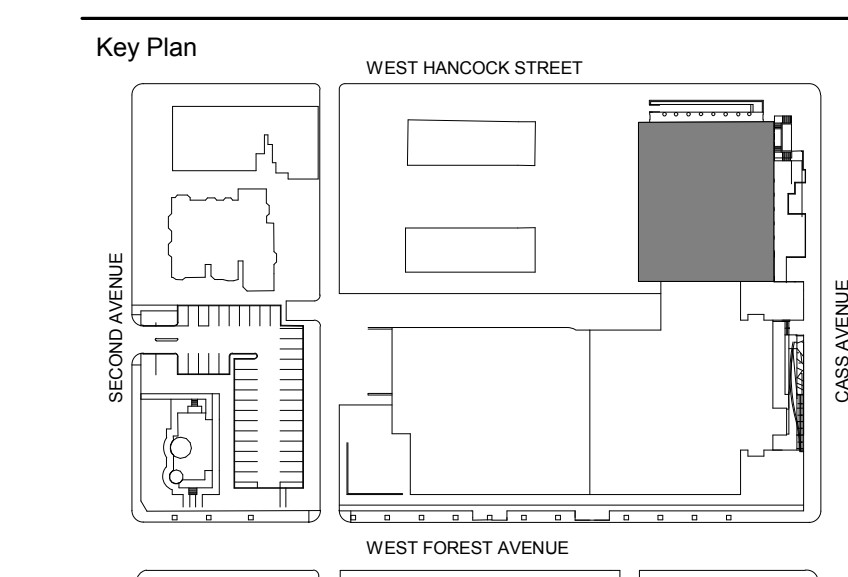


LEVEL TWO FRAMING PLAN - SECTOR A

1/8" = 1'-0"

LEVEL TWO FLOOR FRAMING NOTES:

1. FINISHED FLOOR REFERENCE ELEVATION = REFER TO ARCH.
2. DESIGNATIONS:
RD-1: 1 1/2"x18 GA. METAL ROOF DECK GALV.
3. VERIFY SIZE AND LOCATION OF OPENINGS WITH ARCHITECTURAL AND MEP DRAWINGS.
4. REFERENCE DRAWINGS:
S0.2 - S0.3 GENERAL STRUCTURAL NOTES
S0.4 SPECIAL INSPECTION SCHEDULES



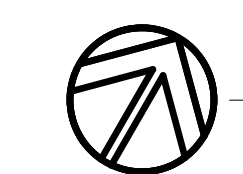
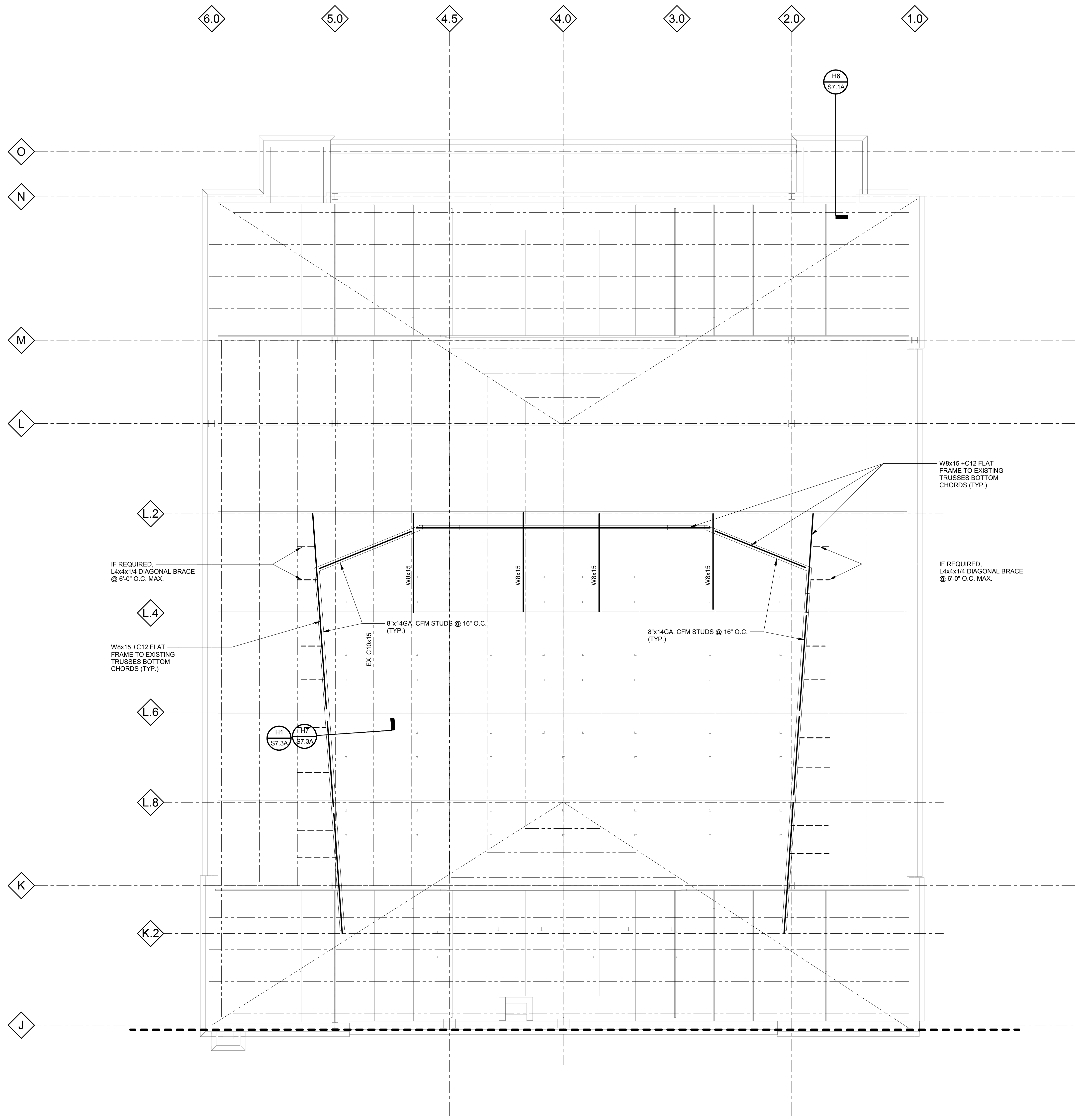
100% DESIGN DEVELOPMENT	FEB. 06, 2019
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Project
WSU - GATEWAY THEATER COMPLEX
WSU PROJECT NO. 189-178578
Drawing Title
LEVEL TWO FRAMING PLAN - SECTOR A

Project Number: 3995-001-00
Drawn By: FA
Scale: As indicated
Seal:

FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

Signature: _____
Drawing No:
S1.3A



ROOF FRAMING PLAN - SECTOR A
 1/8" = 1'-0"

- ROOF FRAMING NOTES:**
- TOP OF STEEL REFERENCE ELEVATION (DECK BEARING ELEVATION) = REFER TO ARCH.
- REFERENCE DRAWINGS:**
- | | |
|-------------|------------------------------|
| S0.2 - S0.3 | GENERAL STRUCTURAL NOTES |
| S0.4 | SPECIAL INSPECTION SCHEDULES |

Owner: Wayne State University FP&M
 5454 Cass Ave
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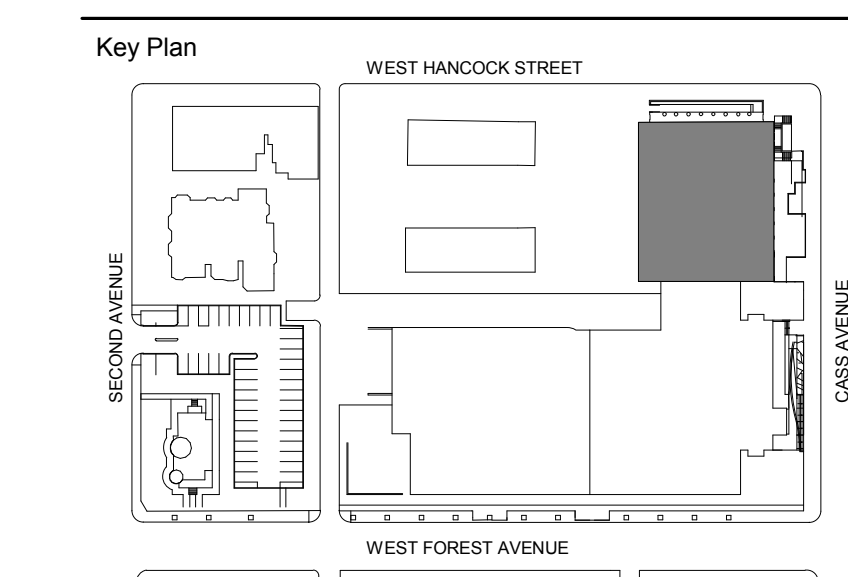
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50% DESIGN DEVELOPMENT	DEC. 14, 2018

Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
ROOF FRAMING PLAN - SECTOR A

Project Number: 3995-001-00
 Drawn By: FA
 Scale: As indicated
 Seal:

Signature: _____
 Drawing No:
S1.5A

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Owner: Wayne State University FP&M
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Detroit, MI 48202
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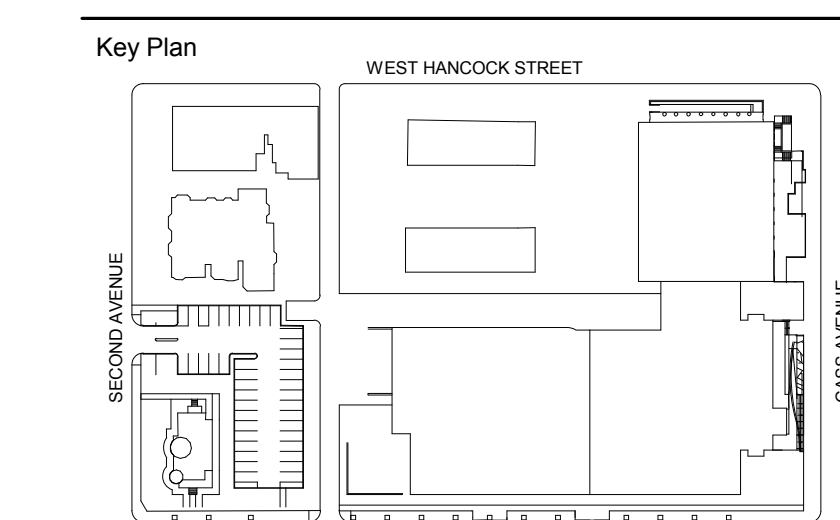
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100% DESIGN DEVELOPMENT FEB. 06, 2019

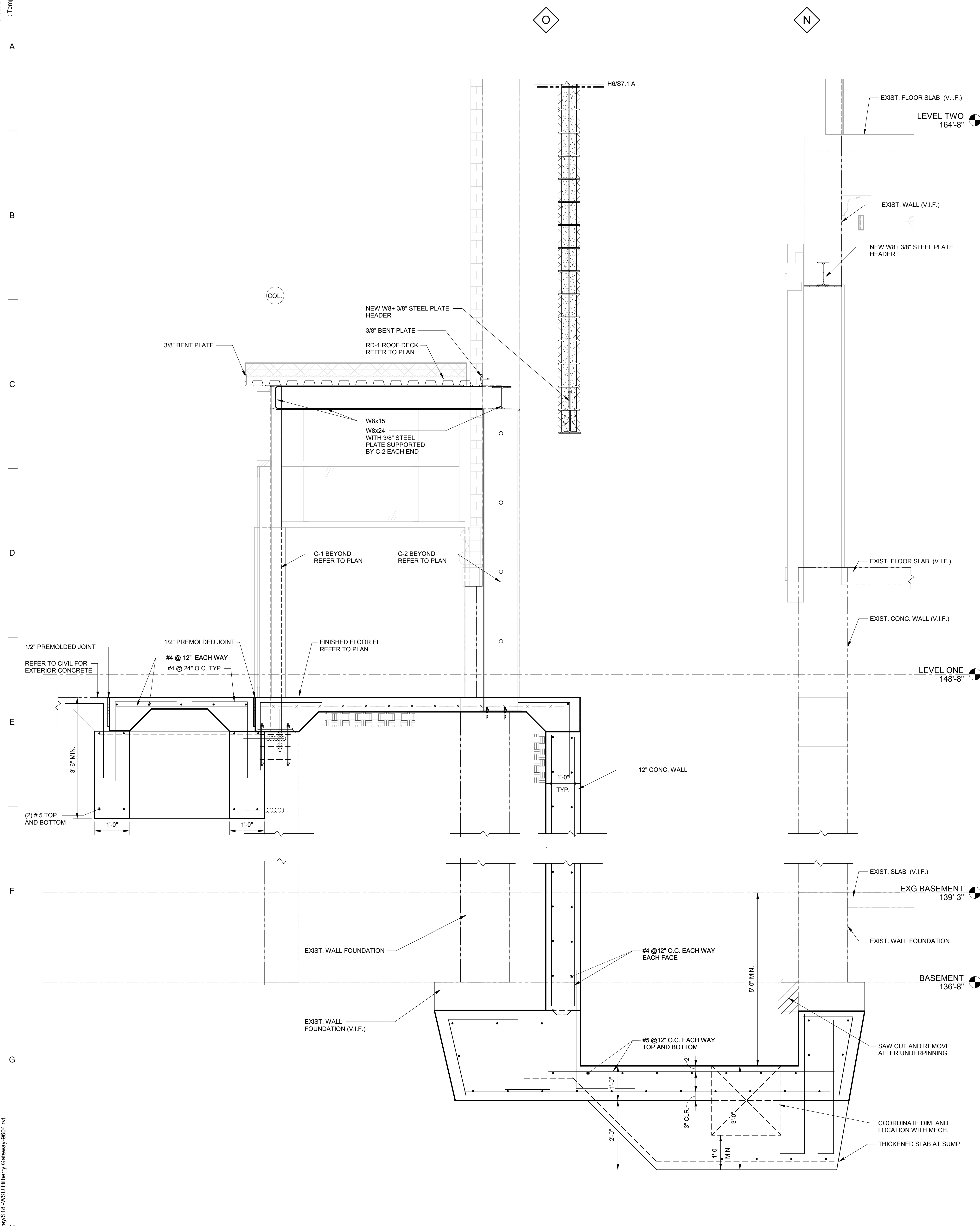
Project
WSU - GATEWAY THEATER COMPLEX
WSU PROJECT NO. 189-178578
Drawing Title
GENERAL SECTIONS AND DETAILS SECTOR A

Project Number: 3995-001-00
Drawn By: FA
Scale: 3/4" = 1'-0"
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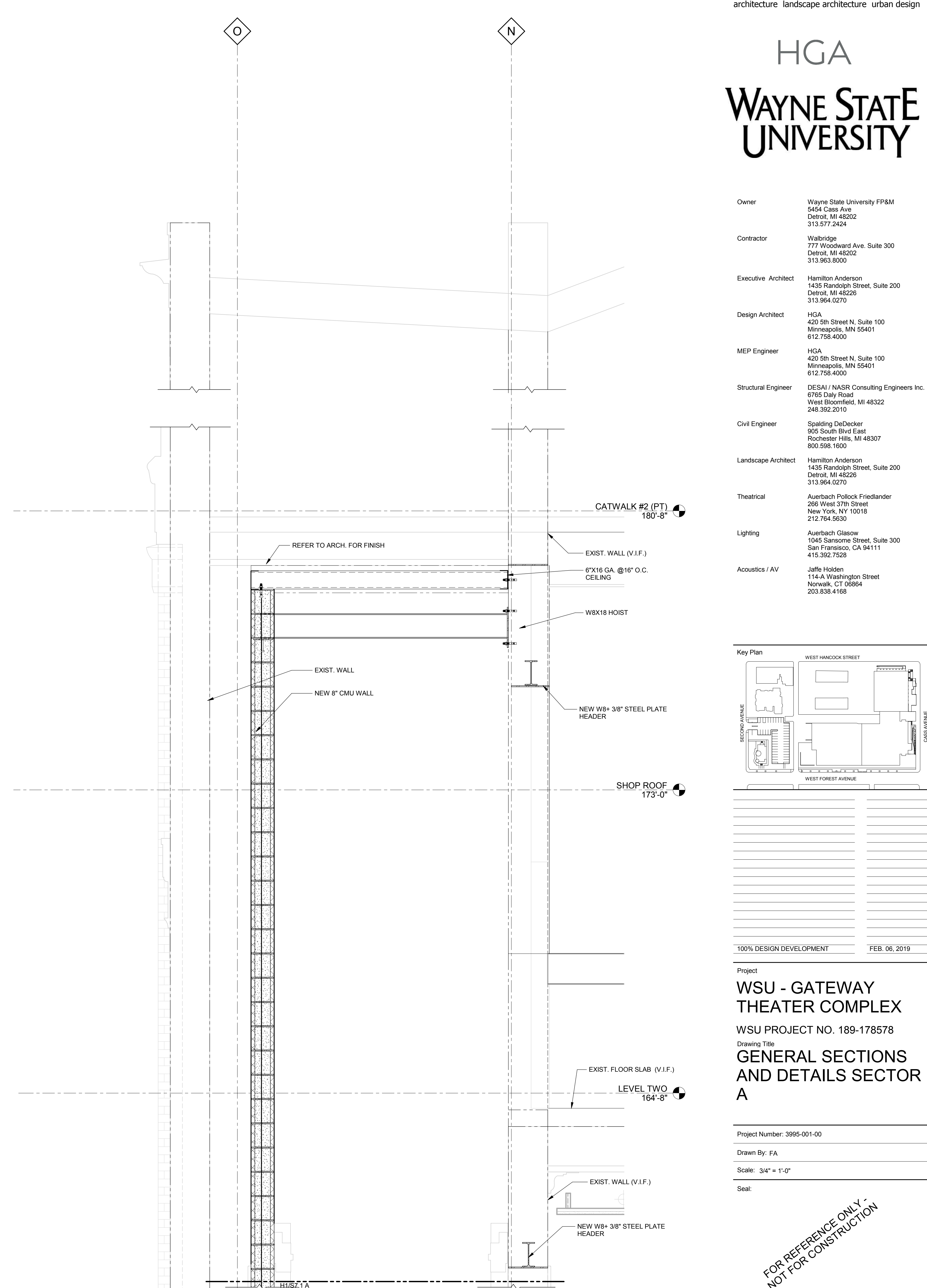
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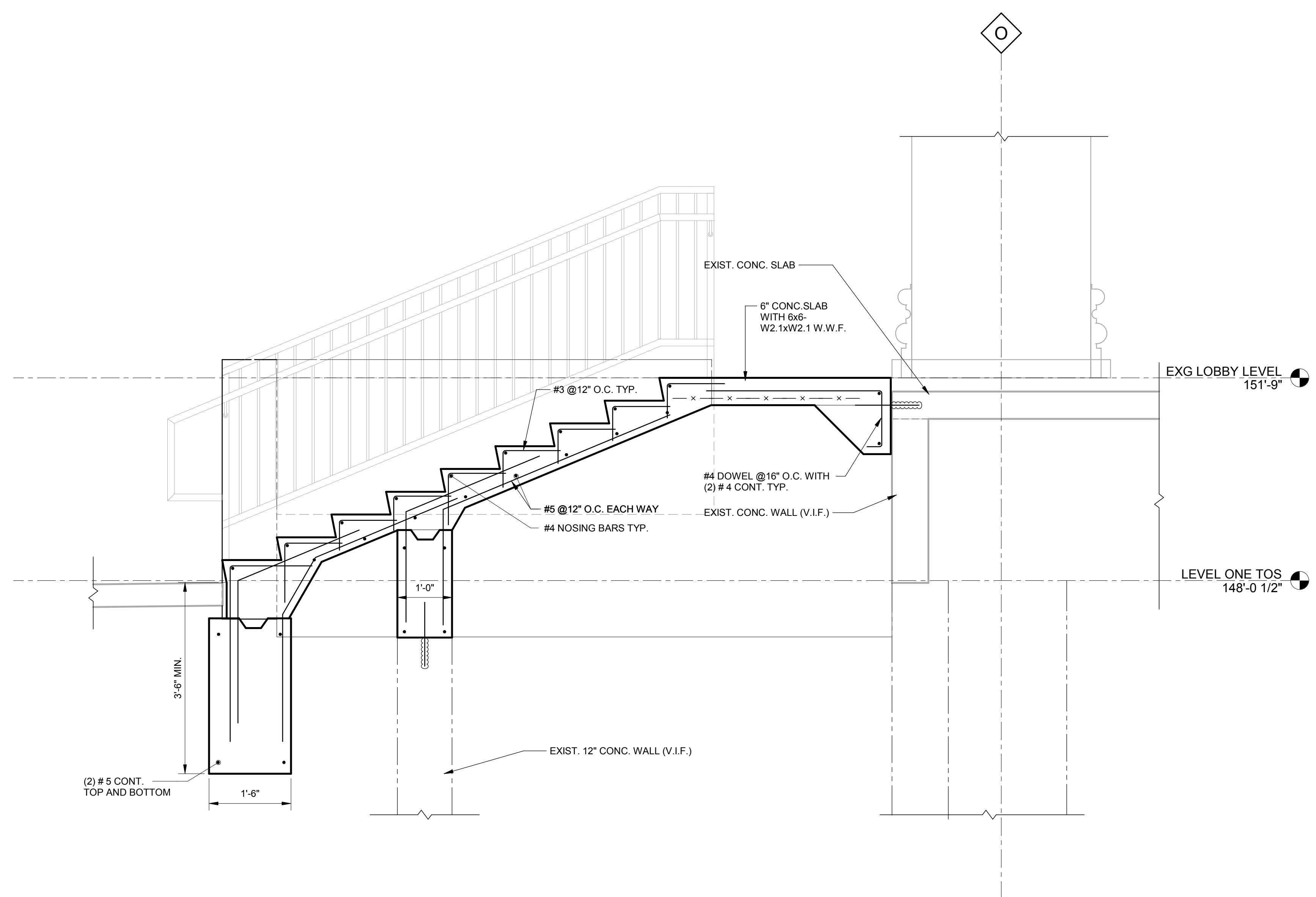
H2 SECTION
S7.1A 3/4" = 1'-0"



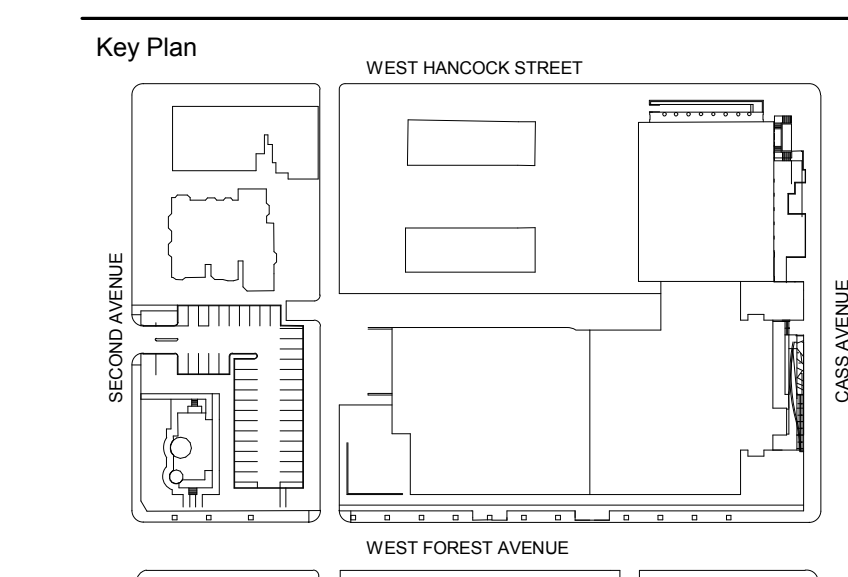
H6 SECTION
S7.1A 3/4" = 1'-0"

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E1 SECTION
 S7.2A 3/4" = 1'-0"



100% DESIGN DEVELOPMENT	FEB. 06, 2019
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Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
GENERAL SECTIONS AND DETAILS SECTOR A

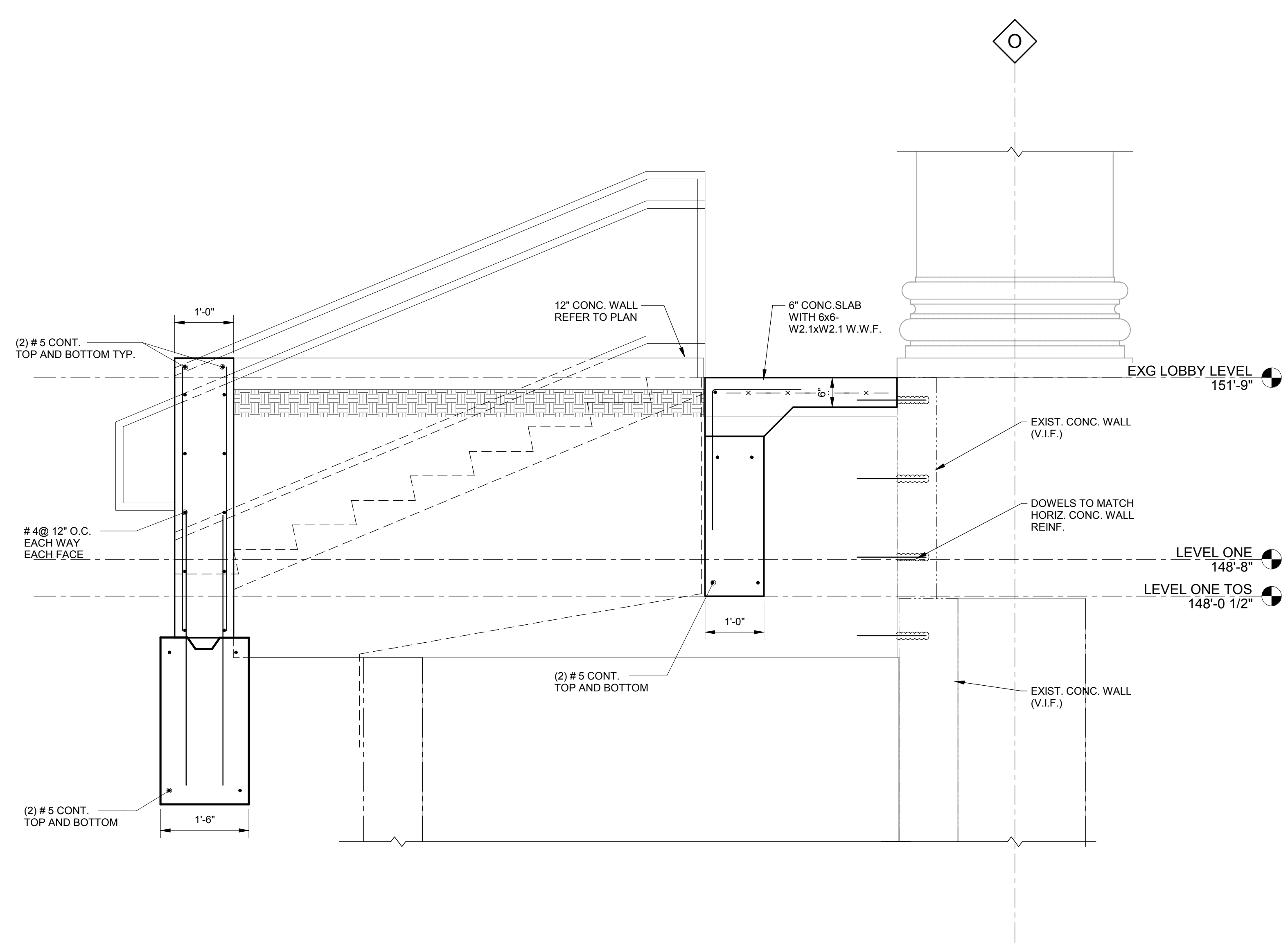
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 Drawn By: FA
 Scale: 3/4" = 1'-0"
 Seal:

Signature: _____
 Drawing No:
S7.2A

S7.2A

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H1 SECTION
 S7.2A 3/4" = 1'-0"



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A

B

C

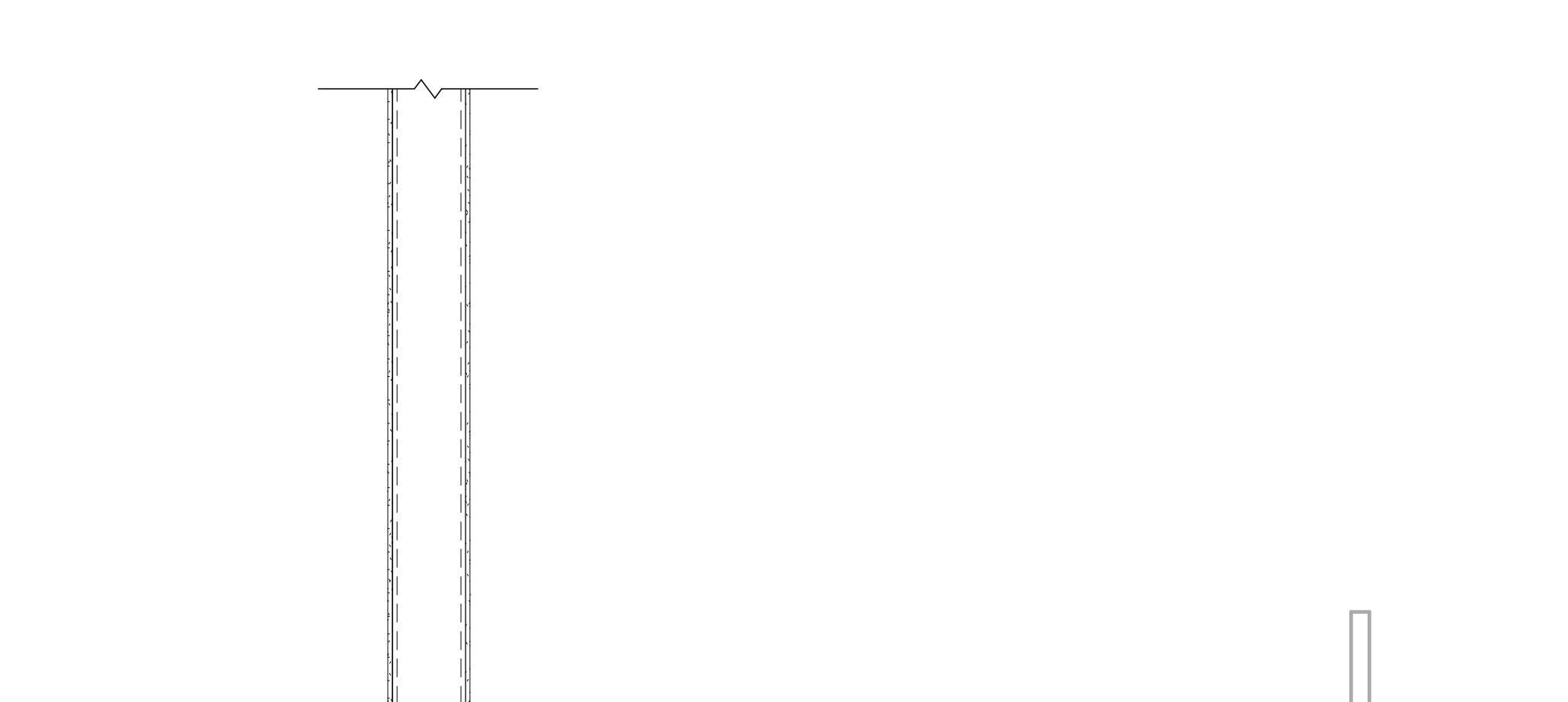
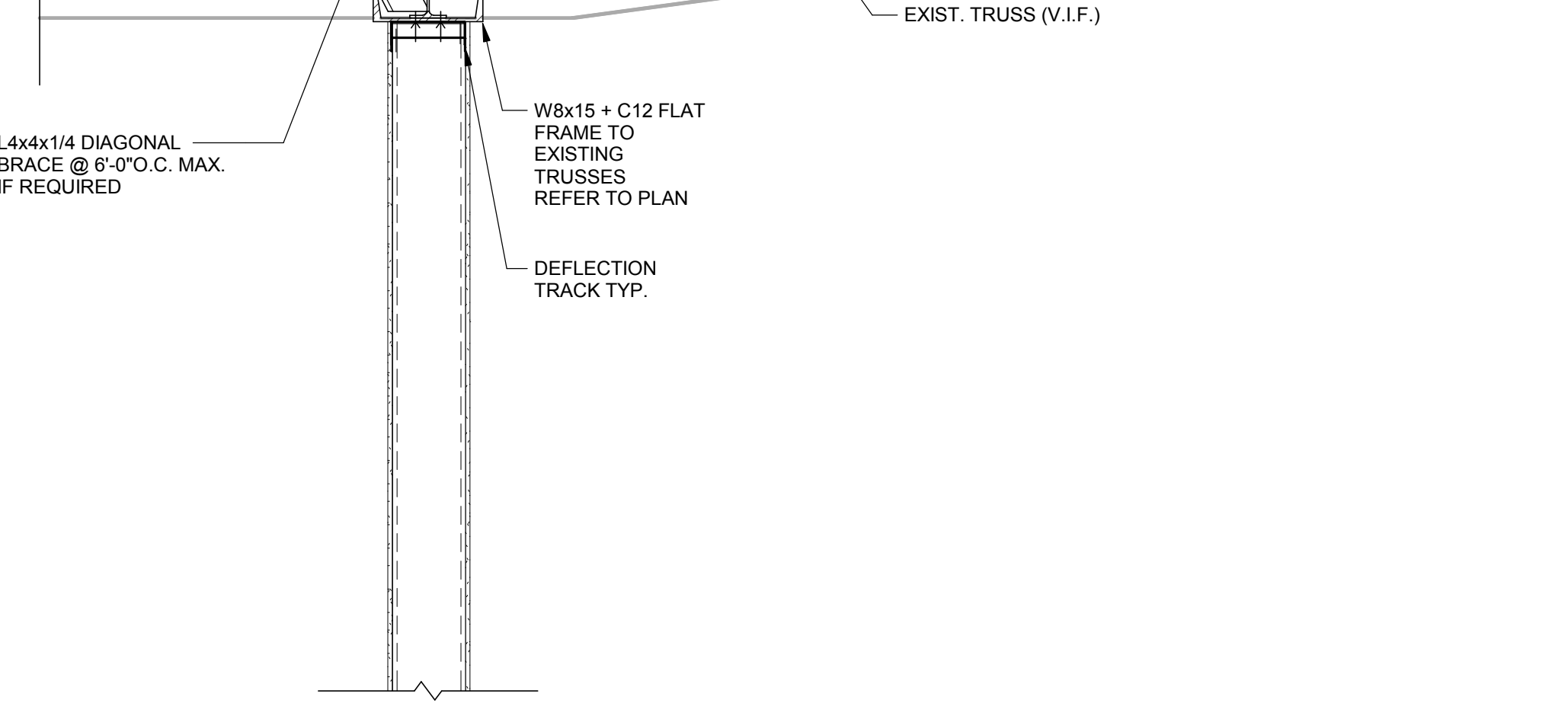
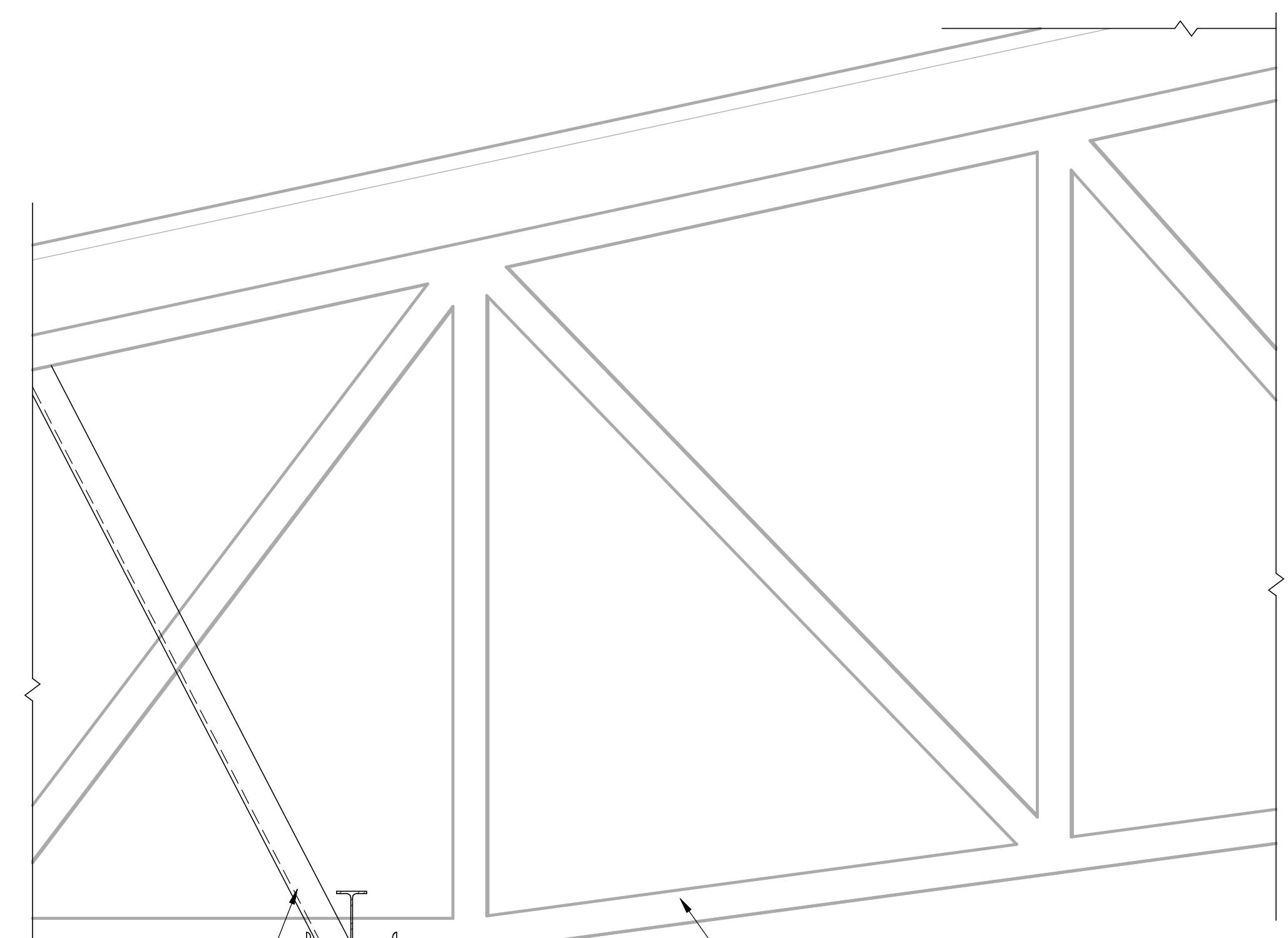
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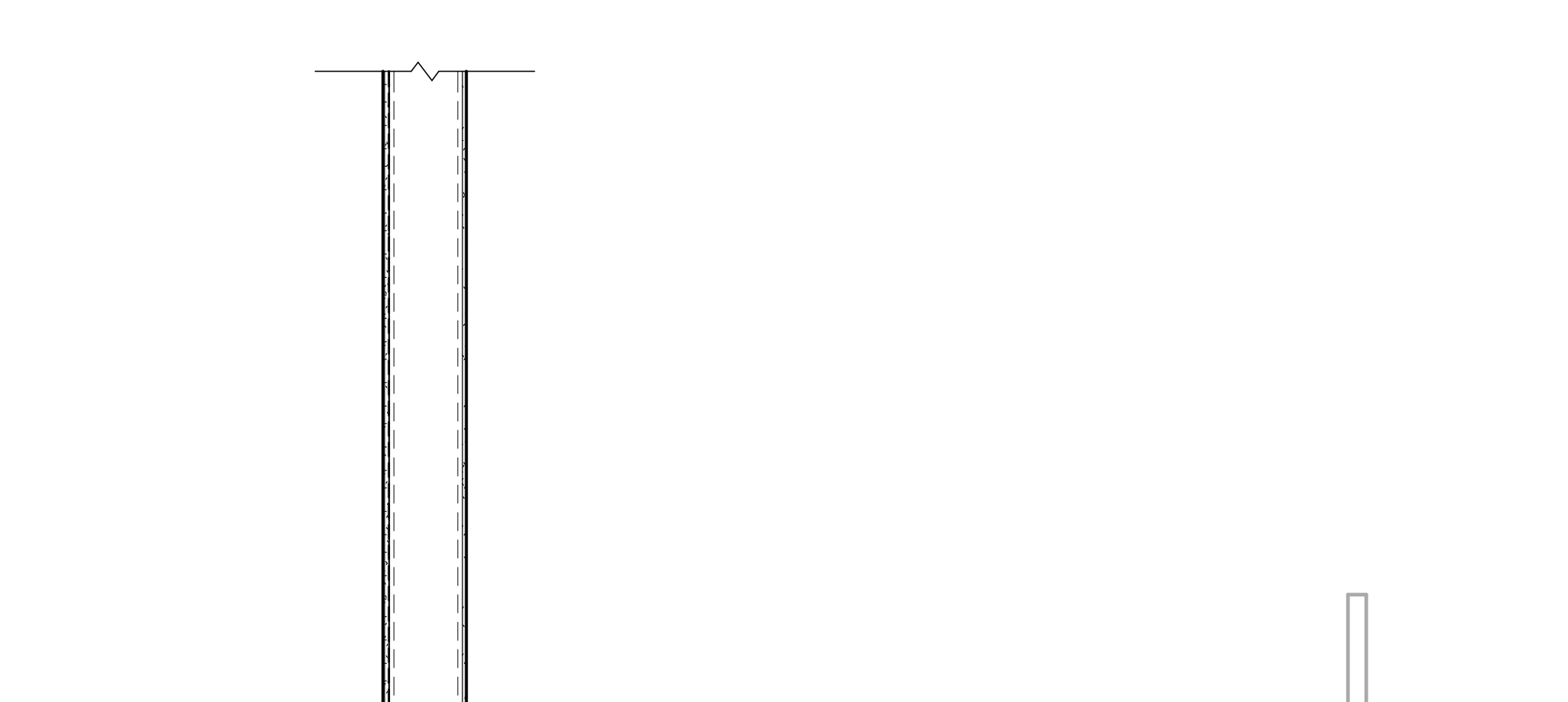
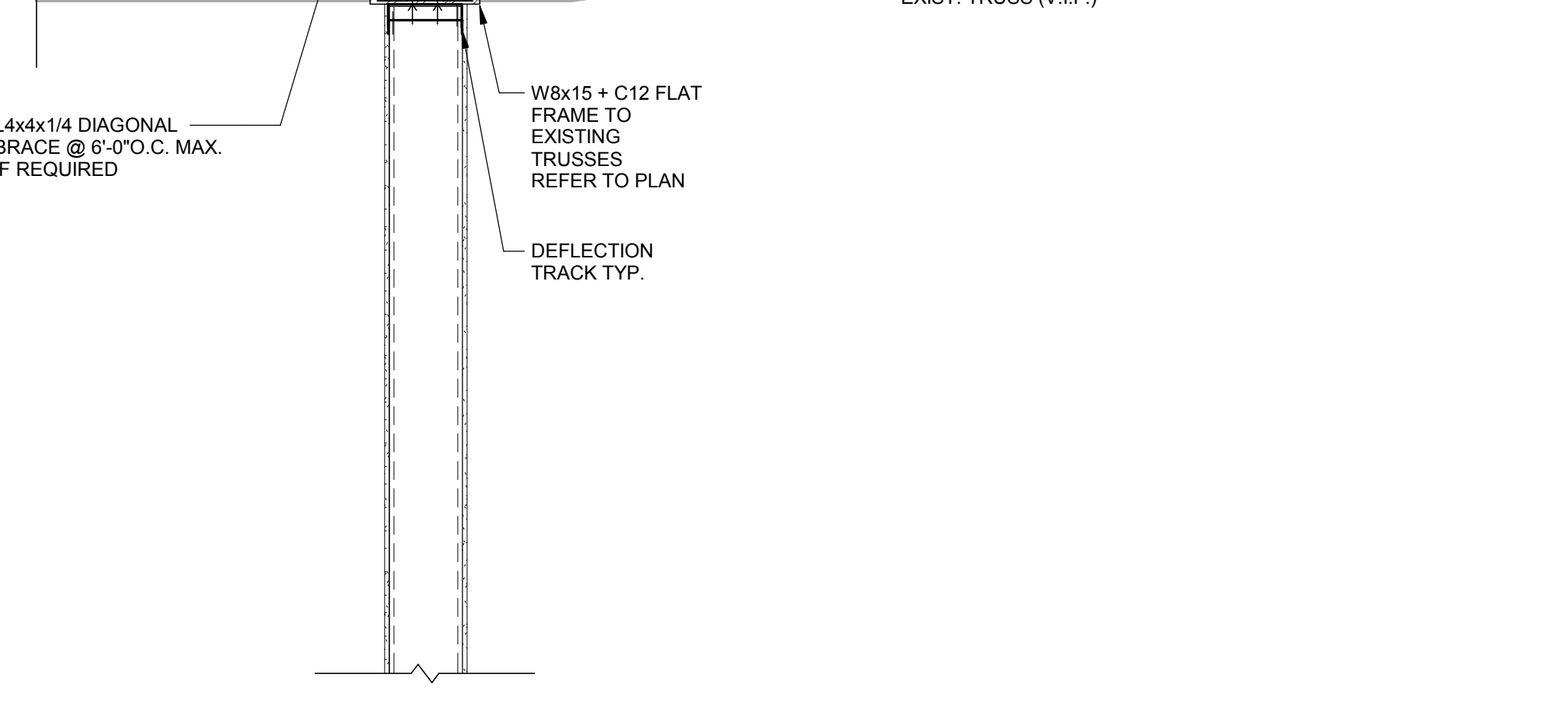
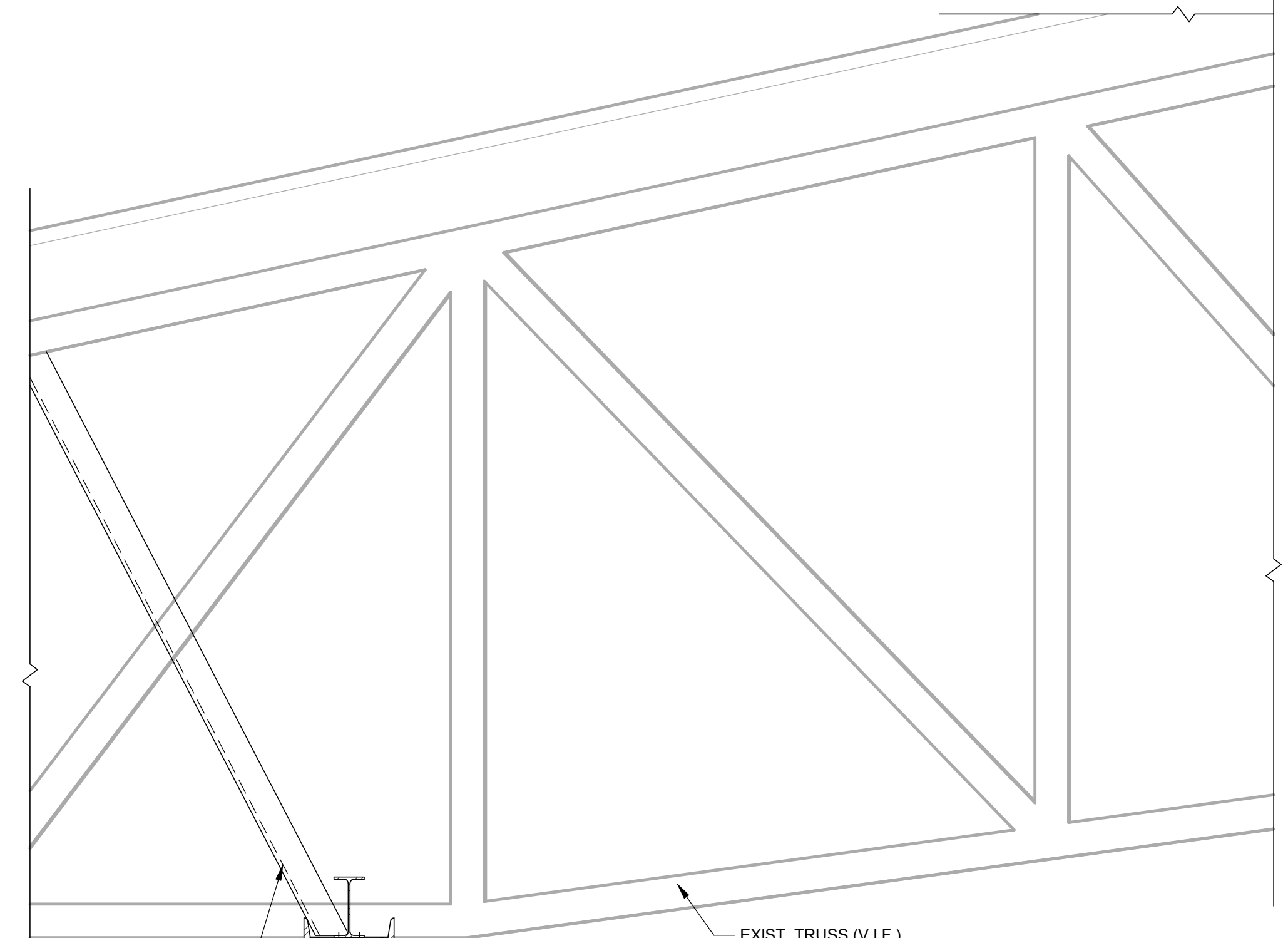
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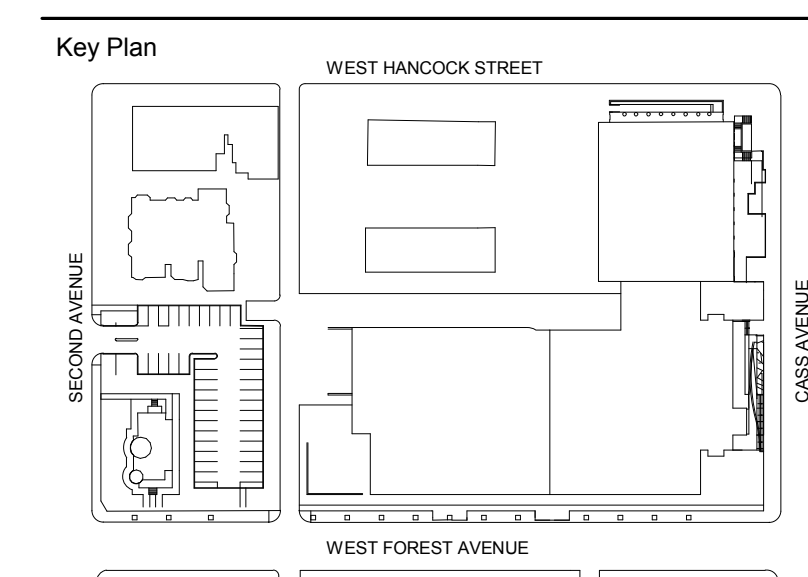
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H1 SECTION - OPTION TO CONTRACTOR
 3/4" = 1'-0"



H7 SECTION
 3/4" = 1'-0"



100% DESIGN DEVELOPMENT	FEB. 06, 2019
50% DESIGN DEVELOPMENT	DEC. 14, 2018

Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
GENERAL SECTIONS AND DETAILS SECTOR A

Project Number: 3995-001-00
 Drawn By: FA
 Scale: 3/4" = 1'-0"
 Seal:

Signature: _____
 Drawing No:
S7.3A

FOR REFERENCE ONLY -
 NOT FOR CONSTRUCTION

ABBREVIATIONS	
A	ADJ ADJUSTABLE AFF ABOVE FINISHED FLOOR AFMS AIRFLOW MEASURING STATION AHU AIR HANDLING UNIT ALT ALTERNATE AP ACCESS PANEL(S) APD AIR PRESSURE DROP ARCH ARCHITECT(URAL)
B	BAS BUILDING AUTOMATION SYSTEM BHP BRAKE HORSE POWER BLDG BUILDING BTUH BRITISH THERMAL UNIT PER HOUR BWV BACK WATER VALVE
C	CD CONDENSATE CFH CUBIC FOOT PER HOUR CFM CUBIC FOOT PER MINUTE CIP CAST IRON PIPE CLG CEILING CO CARBON MONOXIDE CO2 CARBON DIOXIDE COMB COMBINATION CONC CONCRETE COND CONDENSATE(ATE) (ER) CONN CONNECTION CONT CONTINU(E) (OUS) (ATION) CONTR CONTRACT(OR) CORR CORRIDOR
D	DB DRY BULB DDC DIRECT DIGITAL CONTROL (PANEL) DEG DEGREE(S) DET DETAIL DIFF DIFFUSER DMPR DAMPER DN DOWN DP DIFFERENTIAL PRESSURE DWG(S) DRAWING(S)
E	EA EACH EA EXHAUST AIR EAT ENTERING AIR TEMPERATURE ECM ELECTRONICALLY COMMUTATED MOTOR EFT ENTERING FLUID TEMPERATURE ELEC ELECTRICAL EMER EMERGENCY ESP EXTERNAL STATIC PRESSURE EWT ENTERING WATER TEMPERATURE EXG EXISTING EXH EXHAUST EXT EXTERIOR
F	FDC FIRE DEPT CONNECTION FFE FINISHED FLOOR ELEVATION FLR FLOOR FLEX FLEXIBLE FPB FAN POWERED VAV BOX FPM FEET PER MINUTE F&T FLOAT AND THERMOSTATIC (TRAP) FT FOOT, FEET FTG FOOTING FTR FINNED TUBE RADIATION
G	GA GAUGE GAL GALLON GALV GALVANIZED GEN GENERATOR GPH GALLON(S) PER HOUR GPM GALLON(S) PER MINUTE
H	HB HOSE BIB HP HIGH PRESSURE HP HORSEPOWER HTG HEATING HTR HEATER HVAC HEATING, VENTILATION AND AIR CONDITIONING
I	ID INSIDE DIAMETER/DIMENSION IN INCHES INSUL INSULATION INV INVERT ISOL ISOLATOR
L	LAT LEAVING AIR TEMPERATURE LBS/HR POUNDS PER HOUR LF LINEAL FOOT, FEET LFT LEAVING FLUID TEMPERATURE LWR LOWER LWT LEAVING WATER TEMPERATURE
M	MAX MAXIMUM MBH 1,000 BTUH MECH MECHANICAL(LY) MEZZ MEZZANINE MFR MANUFACTURER MIN MINIMUM MIN MINUTE MISC MISCELLANEOUS
N	NC NOISE CRITERIA NO NOT IN CONTRACT NR NUMBER NTS NOT TO SCALE
O	OA OUTSIDE AIR OD OUTSIDE DIAMETER/DIMENSION
P	PD PRESSURE DROP PLBG PLUMBING PPM PARTS PER MILLION PRES PRESSURE PSI POUNDS PER SQUARE INCH PVC POLYVINYL CHLORIDE
R	R RADIUS RA RETURN AIR REG REGISTER REQD REQUIRED RH RELATIVE HUMIDITY RM ROOM RPM REVOLUTIONS PER MINUTE RPZ REDUCED PRESSURE BACKFLOW PREVENTER ROOFTOP UNIT
S	SA SUPPLY AIR SF SQUARE FEET SHT SHEET SP STATIC PRESSURE SPEC(S) SPECIFICATION(S) SQ SQUARE SS STAINLESS STEEL STRUC STRUCTURE(E) (AL)
T	T THERMOSTAT TCP TEMPERATURE CONTROL PANEL TEMP TEMPERATURE TMV THERMOSTATIC MIXING VALVE TSP TOTAL STATIC PRESSURE TYP TYPICAL
U	UNO UNLESS OTHERWISE NOTED
V	VAV VARIABLE AIR VOLUME VENT VENTILATION OR VENTILATOR VERT VERTICAL VOL VOLUME VSD VARIABLE SPEED DRIVE (MOTOR CONTROLLER) VFD VENT THROUGH ROOF
W	W WASTE W/ WITH W/O WITHOUT WB WET BULB WC WATER COLUMN WG WATER GAUGE WH WALL HYDRANT WS WASTE STACK WTR WATER

GENERAL SHEET ANNOTATIONS	
<p>QUANTITY (IF MORE THAN ONE) TYPE NECK OR CONNECTION SIZE AIR VOLUME (EACH)</p>	<p>VAV (VARIABLE AIR VOLUME UNIT) AHU NUMBER</p>
<p>EQUIPMENT TAG</p>	<p>EQUIPMENT TYPE</p>
<p>FIN TUBE TAG FIN TUBE LENGTH FIN TUBE CAPACITY</p>	<p>SECTION NUMBER SHEET LOCATION</p>
<p>CALLOUT NUMBER SHEET LOCATION</p>	<p>3D VIEW NUMBER SHEET LOCATION</p>

MECHANICAL GENERAL NOTES	
A.	IN ALL AREAS WITH EXPOSED CEILINGS, SPECIAL CARE MUST BE TAKEN IN THE INSTALLATION OF PIPING AND ANY OTHER MECHANICAL / PLUMBING EQUIPMENT. LAYOUTS MUST BE ARRANGED TO COMPLIMENT THE AESTHETICS OF THE SPACE. REFER ALSO TO ARCHITECTURAL DRAWINGS, SPECIFICATIONS, AND COORDINATION REQUIREMENTS FOR FURTHER INFORMATION FOR AESTHETIC INTENTS AND PAINTING REQUIREMENTS IN EXPOSED AREAS.
B.	CAREFULLY COORDINATE ALL PIPING, DUCTWORK, FIRE PROTECTION, EQUIPMENT, CONTROLS, SUPPORTS, ELECTRICAL, CABLE TRAY, AV DEVICES, ETC. TO SUPPORT ACCESS, SERVICE, INSTALLATION AND MAINTENANCE OF EQUIPMENT, DEVICES, VALVES, DAMPERS, CONTROLS, ETC. REFER ALSO TO COORDINATION REQUIREMENTS IN DRAWINGS AND SPECIFICATIONS.
C.	DUCTWORK, HYDRONIC PIPING SHALL BE INSULATED TO AT LEAST MINIMUM INSULATION LEVELS REQUIRED IN THE MOST CURRENT ENERGY CODE AT THE TIME OF THE BIDDING.
D.	PROVIDE AND EXTEND CONDENSATE DRAIN PIPING FROM ALL EQUIPMENT WITH CONDENSATE CONNECTIONS TO NEAREST SINK P-TRAP WITH WYE FITTING, NEAREST JANITOR CLOSET, OR FLOOR DRAIN. PROVIDE ACCESS COVER UNDER SINK FOR ACCESS. ROUTE ALL PIPING SO AS TO NOT INTERFERE WITH JANITOR CLOSET OR FLOOR DRAIN. SLOPE CONDENSATE PIPING AT MIN. 1/4" PER 1'-0".
E.	ACCESS PANELS ARE INDICATED ON ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. ANY EQUIPMENT, VALVES, FIELD DEVICES, ETC. NEEDING AN ACCESS PANEL NOT INDICATED ON THE DRAWINGS SHALL ALSO BE PROVIDED AND SUBMITTED TO THE ARCHITECT FOR APPROVAL OF PANEL SIZE, DETAIL, AND PANEL LOCATION PRIOR TO INSTALLATION OF ITEM REQUIRING ACCESS. PROVIDE AN ALLOWANCE OF 20 ACCESS PANELS IN ADDITION TO THOSE SHOWN.
F.	MOUNTING HEIGHTS OF ANY WALL DEVICES REQUIRE FINAL LOCATION AND ELEVATION COORDINATED WITH ARCHITECTURE. REFER ALSO TO INTERIOR ELEVATIONS AND FURNITURE PLANS FOR DETAILS.
G.	ALL MECHANICAL PIPING AND DUCTWORK SHALL HAVE SPRING ISOLATORS IN MECHANICAL ROOM.
H.	WHERE CONNECTING TO EXISTING SYSTEMS OR RECONFIGURING EXISTING SYSTEMS, MEASURE AND DOCUMENT PERFORMANCE OF IMPACTED SYSTEMS AT COMPLETION WORK AND BALANCE / ADJUST PERFORMANCE TO MEET CONDITIONS PRESENT PRIOR TO WORK.
I.	REFER TO ARCHITECTURAL PLANS AND OTHER AREAS OF THE PLANS AND SPECIFICATIONS FOR ACOUSTICALLY SENSITIVE SPACES, WALLS AND WALL DESIGNATIONS. REFER TO ARCHITECTURAL AND MECHANICAL SPECIFICATIONS AND DETAILS FOR APPROPRIATE PENETRATIONS.
J.	ACOUSTICALLY SENSITIVE SPACES SHALL HAVE ALL MECHANICAL PENETRATIONS AND HANGERS ON EITHER SIDE OF THE PENETRATION TO MEET ACOUSTIC PENETRATION DETAILS. ALL JOINTS AND PENETRATIONS SHALL BE FILLED AND SEALED.
K.	SEE ARCHITECTURE DRAWINGS FOR DIMENSIONS, CEILING HEIGHT, LOCATION OF PARTITIONS, ETC.
L.	SMOKE DAMPERS SHALL BE LOCATED IN ALL DUCTS THAT CROSS WALL AND FLOOR ASSEMBLIES THAT ARE DESIGNED TO RESIST THE PASSAGE OF SMOKE. NOT ALL DAMPERS HAVE BEEN LOCATED OR TAGGED. REFER TO ARCHITECTURAL LIFE SAFETY PLANS FOR FULL EXTENT OF ASSEMBLIES.
M.	VALVES, FITTINGS, DEVICES, CONTROLS, DAMPERS, ETC. SHOWN ON PLANS, SCHEMATICS, DETAILS, CONTROL DIAGRAMS AND SPECIFICATIONS ARE COMPLEMENTARY TO EACH OTHER AND EACH INDICATE MINIMUM REQUIREMENTS. WHERE OVERLAP OR CONFLICTS/CONTRADICTIONS MAY OCCUR, FOLLOW THE MOST STRINGENT REQUIREMENTS AND NOTIFY THE ENGINEER FOR ANY RESOLUTION.
N.	MOTORIZED DAMPERS ARE REQUIRED AT ALL DUCTWORK PENETRATIONS TO EXTERIOR AND TO INTAKE/RELIEF PLENUMS. DAMPERS SHALL BE INTERLOCKED WITH ASSOCIATED SYSTEM OPERATION. INSULATE DUCTWORK FROM EXTERIOR, THROUGH THE EXTERIOR PENETRATION TO DAMPER WITH A MIN OF 2" BOARD INSULATION.
O.	DUCT LINER REQUIRED IN PLANS AND SPECIFICATIONS SHALL BE FIBER-FREE, CLOSED-CELL FOAM INSULATION IN ALL LOCATIONS EXCEPT IN ACOUSTIC TRANSFER AIR DUCTS, WHERE BONDED, GLASS MINERAL-FIBER WOOL IS ACCEPTABLE.
P.	CONTROL VALVES AND OPERATORS FOR HEATING COILS, COOLING COILS AND OUTSIDE AIR DAMPERS SHALL BE PNEUMATIC.

MECHANICAL DEMOLITION NOTES	
1.	VERIFY EXISTING CONDITIONS AND DIMENSIONS. COORDINATE THE EXTENT OF DEMOLITION WORK AND EXISTING WORK TO REMAIN WITH NEW FLOOR PLAN AND PROJECT SITE PRIOR TO PRICING, FABRICATION, AND INSTALLATION. NOTIFY ENGINEER OF ANY CONFLICTS IMMEDIATELY.
2.	WHERE WALLS OR PARTITIONS ARE INDICATED TO BE REMOVED, REMOVE ENTIRE WALL OR PARTITIONS AS WELL AS DUCTS, PIPING, CONDUITS, AND OTHER ELEMENTS IN OR ON THEM WHICH MAY OR MAY NOT BE SPECIFICALLY IDENTIFIED, UNLESS OTHERWISE NOTED. COORDINATE WITH OWNER ALL EQUIPMENT TO BE SALVAGED.
3.	REFER TO ARCHITECTURAL, STRUCTURAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.
4.	REPAIR / PATCH OPENINGS IN WALLS, PARTITIONS, FLOORS, AND CEILINGS THAT ARE EXISTING OR WHERE DEMOLITION OCCURS TO MATCH EXISTING ADJACENT FINISH SURFACE. MAINTAIN CODE AND FIRE RATING REQUIREMENTS.
5.	AVOID DISRUPTION TO ADJACENT FLOORS / AREAS AS MUCH AS POSSIBLE. KEEP NOISE TO A LEVEL ACCEPTABLE TO THE OWNER BY SCHEDULING EXCESSIVE NOISE TASKS WITH OWNER. ALL SAW-CUTTING AND NOISE / VIBRATION PRODUCING CONSTRUCTION TO BE SCHEDULED WITH OWNER AS NOT TO INTERFERE WITH BUILDING OPERATIONS. THIS MAY REQUIRE AFTER HOURS WORK.
6.	ALL SHUTDOWNS OF MECHANICAL SPRINKLER, FIRE ALARM, AND / OR ELECTRICAL SYSTEMS SHALL BE COORDINATED WITH OWNER AND MAY OCCUR DURING NON-BUSINESS HOURS.
7.	ALL MECHANICAL ITEMS INDICATED TO BE REMOVED FROM BUILDING SHALL BE RETURNED TO OWNER, UNLESS DIRECTED OTHERWISE.
8.	CAP, SEAL, AND INSULATE PIPING AND DUCTWORK IMPACTED BY SCOPE OF WORK.
9.	WHERE CONNECTING TO EXISTING SYSTEMS OR RECONFIGURING EXISTING SYSTEMS, MEASURE AND DOCUMENT PERFORMANCE OF SYSTEMS PRIOR TO WORK.
10.	REFER TO ARCHITECTURAL, STRUCTURAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.

GENERAL SHEET ANNOTATIONS	
<p>DIFFUSER, REGISTER AND GRILLE IDENTIFICATION</p>	<p>AIR TERMINAL UNIT</p>
<p>EQUIPMENT</p>	<p>FIN TUBE</p>
<p>SECTION SYMBOL</p>	<p>CALLOUT SYMBOL</p>
<p>3D VIEW ISOMETRIC SYMBOL</p>	

DAMPER SYMBOLS	
	VOLUME DAMPER
	BACKDRAFT DAMPER
	MOTORIZED DAMPER
	SMOKE DAMPER
	FIRE DAMPER
	SMOKE/FIRE DAMPER

THERMAL DESIGN CONDITIONS	
OUTDOOR DESIGN CONDITIONS	
• WINTER OUTDOOR:	3° F
• SUMMER OUTDOOR:	95° F DB / 75° F WB
INDOOR DESIGN CONDITIONS	
• THEATER & THEATER STUDIO	SUMMER: 75° F, 50% RH WINTER: 70° F
• VALADE HALL & PIANO STORAGE	SUMMER: 75° F, 50% RH WINTER: 72° F, 35% RH
• GENERAL PUBLIC AREAS	SUMMER: 76° F, 50% RH WINTER: 70° F
• COMMUNICATION CLOSET:	SUMMER: 76° F, 50% RH WINTER: 60° F
• AV & DIMMER ROOMS:	SUMMER: 76° F, 50% RH WINTER: 70° F
• VESTIBULE & LOADING DOCK	SUMMER: 80° F WINTER: 65° F
• MECHANICAL AND ELECTRICAL ROOMS:	SUMMER: 80° F WINTER: 65° F

MECHANICAL SHEET LIST	
SHEET NUMBER	SHEET NAME
M0.0	MECHANICAL GENERAL NOTES AND SYMBOLS
M2.0A	LOWER LEVEL HVAC - SECTOR A
M2.0B	LOWER LEVEL HVAC - SECTOR B
M2.1A	LEVEL ONE HVAC - SECTOR A
M2.1B	LEVEL ONE HVAC - SECTOR B
M2.1C	LEVEL ONE HVAC - SECTOR C
M2.2A	LEVEL TWO HVAC - SECTOR A
M2.2B	LEVEL TWO HVAC - SECTOR B
M2.2C	LEVEL TWO HVAC - SECTOR C
M2.3B	TECH LEVEL HVAC - SECTOR B
M2.4	ROOF PLAN OVERALL
M3.0A	LEVEL ONE MECHANICAL PIPING - SECTOR A
M3.0B	LOWER LEVEL MECHANICAL PIPING - SECTOR B
M3.1A	LEVEL ONE MECHANICAL PIPING - SECTOR A
M3.1B	LEVEL ONE MECHANICAL PIPING - SECTOR B
M3.1C	LEVEL ONE MECHANICAL PIPING - SECTOR C
M3.2A	LEVEL TWO MECHANICAL PIPING - SECTOR A

MECHANICAL DUCTWORK SYMBOLS	
	RECTANGULAR SIZE FIRST DIMENSION SIDE SHOWN
	FLAT OVAL SIZE FIRST DIMENSION SIDE SHOWN
	CONCENTRIC TRANSITION RECTANGULAR, ROUND OR OVAL ROUND SIZE
	CONCENTRIC TRANSITION RECTANGULAR, ROUND OR OVAL
	ECCENTRIC TRANSITION RECTANGULAR, ROUND OR OVAL
	TRANSITION, RECTANGULAR TO ROUND OR OVAL
	INCLINED RISE WITH RESPECT TO AIRFLOW RECTANGULAR, ROUND OR OVAL
	INCLINED DROP WITH RESPECT TO AIRFLOW RECTANGULAR, ROUND OR OVAL
	ELBOW UP, RECTANGULAR SUPPLY OR OUTSIDE AIR
	ELBOW DOWN, RECTANGULAR SUPPLY OR OUTSIDE AIR
	ELBOW UP, RECTANGULAR RETURN, RELIEF
	ELBOW DOWN, RECTANGULAR RETURN, RELIEF
	ELBOW UP, RECTANGULAR EXHAUST
	ELBOW DOWN, RECTANGULAR EXHAUST
	ELBOW UP, ROUND (FLAT OVAL SIMILAR)
	ELBOW DOWN, ROUND (FLAT OVAL SIMILAR)
	SQUARE ELBOW W/ TURNING VANES, RECTANGULAR
	SQUARE ELBOW W/O TURNING VANES, RECTANGULAR
	SMOOTH RADIUS ELBOW WITH SPLITTER VANES RECTANGULAR
	1.5 RADIUS ELBOW, RECTANGULAR
	1.5 RADIUS ELBOW, ROUND OR FLAT OVAL
	TAP-IN BRANCH W/ VOLUME DAMPER RECTANGULAR MAIN AND BRANCH
	SPIN-IN STRAIGHT TAP W/ VOLUME DAMPER RECTANGULAR MAIN, ROUND OR FLAT OVAL BRANCH
	SPIN-IN CONICAL TAP W/ VOLUME DAMPER RECTANGULAR MAIN, ROUND OR FLAT OVAL BRANCH
	BRANCH, CONICAL LATERAL FITTING W/ VOLUME DAMPER ROUND OR FLAT OVAL MAIN AND BRANCH
	BRANCH, CONICAL TEE FITTING WITH VOLUME DAMPER ROUND OR FLAT OVAL MAIN AND BRANCH
	DUCT WITH LINER
	DUCT WITH GYPSUM BOARD LAGGING, UNO
	ROUND FLEXIBLE DUCT (DOUBLE LINE)
	ROUND FLEXIBLE DUCT (SINGLE LINE)

MECHANICAL SHEET LIST	
SHEET NUMBER	SHEET NAME
M3.2B	LEVEL TWO MECHANICAL PIPING - SECTOR B
M3.2C	LEVEL TWO MECHANICAL PIPING - SECTOR C
M5.0	MECHANICAL BUILDING SECTIONS
M6.0	CHILLED WATER SYSTEM SCHEMATIC & CONTROLS
M6.1	HEATING WATER SYSTEM SCHEMATIC & CONTROLS
M6.2	VRF SYSTEM SCHEMATIC - HILBERRY
M6.3	VRF SYSTEM SCHEMATIC - VALADE
M7.0	MECHANICAL DETAILS
M7.1	MECHANICAL DETAILS
M7.2	MECHANICAL DETAILS
M7.3	MECHANICAL DETAILS
M7.4	MECHANICAL DETAILS
M7.10	MECHANICAL AIR HANDLING UNIT DETAILS - BASE BID
M7.11	MECHANICAL AIR HANDLING UNIT DETAILS - ALTERNATE
M8.0	MECHANICAL SCHEDULES
M8.1	MECHANICAL SCHEDULES
M8.2	MECHANICAL SCHEDULES
M8.3	MECHANICAL SCHEDULES

MECHANICAL PIPING SYMBOLS	
	ELBOW DOWN
	ELBOW UP
	TEE DOWN
	TEE UP
	CONNECTION
	CONNECTION (TOP)
	CONNECTION (BOTTOM)
	FLOW DIRECTION
	SHUT-OFF VALVE
	BALANCING VALVE
	AUTOMATIC FLOW CONTROL VALVE
	VALVE IN VERTICAL PIPE
	CHECK VALVE (FLOW DIRECTION INDICATED)
	2-WAY MODULATING CONTROL VALVE
	3-WAY MODULATING CONTROL VALVE
	2-WAY, 2-POSITION CONTROL VALVE
	3-WAY, 2-POSITION CONTROL VALVE
	PRESSURE REDUCING VALVE
	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
	RELIEF OR SAFETY VALVE (ELEVATION)
	RELIEF OR SAFETY VALVE (PLAN VIEW)
	FLOW MEASURING DEVICE
	STRAINER
	STRAINER W/ BLOWDOWN VALVE
	EXPANSION JOINT
	FLEXIBLE CONNECTION
	UNION
	PIPE ANCHOR
	PIPE GUIDE
	AIR VENT
	ECCENTRIC REDUCER
	CONCENTRIC REDUCER
	SENSOR WELL
	TEST PLUG
	THERMOMETER
	PRESSURE GAUGE
	TEMPERATURE SENSOR
	PITCH PIPE DOWN
	STEAM TRAP
	DIFFERENTIAL STATIC PRESSURE SENSOR
	CONDENSATE SENSOR
	THERMOSTAT OR TEMP SENSOR
	CARBON DIOXIDE SENSOR
	STATIC PRESSURE SENSOR
	HUMIDISTAT / HUMIDITY SENSOR
	CONTROL SENSOR
	PRESSURE SENSOR
	PRESSURE CONTROLLER AND MONITOR
	OCCUPANCY SENSOR

GENERAL MECHANICAL & PLUMBING SYMBOLS	
	CONNECT TO EXISTING
	KEY NOTE
	REVISION TRIANGLE
	DATUM
	BREAK SYMBOL
	VARIABLE AIR VOLUME TERMINAL UNIT SHOWN WITH REQUIRED 3 DIAMETERS OF INLET DUCT AND ACCESS/SERVICE CLEARANCE
	VARIABLE AIR VOLUME TERMINAL UNIT WITH HEATING COIL SHOWN WITH REQUIRED 3 DIAMETERS OF INLET DUCT AND ACCESS/SERVICE CLEARANCE
	ROUND SUPPLY AIR DIFFUSER WITH ROUND NECK
	CEILING SUPPLY AIR DIFFUSER (WITH BLANK OFF)
	CEILING RETURN GRILLE/REGISTER
	CEILING EXHAUST AIR GRILLE/REGISTER
	LINEAR SLOT SUPPLY AIR DIFFUSER OR RETURN AIR GRILLE/REGISTER
	SIDEWALL SUPPLY AIR OR RETURN AIR GRILLE/REGISTER
	RETURN, RELIEF OR TRANSFER AIRFLOW DIRECTION ARROW
	RETURN, RELIEF, OR EXHAUST AIRFLOW DIRECTION ARROW
	DEMOLISH EXISTING DUCT, PIPE OR EQUIPMENT INCLUDING SUPPORTS, ACCESSORIES AND RELATED CONTROLS AND COMPONENTS
	EXHAUST AIR DUCT UP TO EXHAUST FAN ON ROOF
	RELIEF AIR OR EXHAUST AIR DUCT UP TO ROOF VENT
	OUTSIDE AIR OR SUPPLY AIR DUCT UP TO ROOF VENT
	PUMP
	FAN
	FIN TUBE - ACTIVE LENGTH ONLY
	FIN TUBE - ACTIVE LENGTH AND ENCLOSURE

MECHANICAL PIPING SYSTEMS	
	HWS HEATING WATER SUPPLY
	HWR HEATING WATER RETURN
	CHWS CHILLED WATER SUPPLY
	CHWR CHILLED WATER RETURN
	RC REFRIGERANT CIRCUIT (SUCTION & DISCHARGE)
	CD CONDENSATE DRAIN
	MW MAKE-UP WATER
	PC PUMPED CONDENSATE
	SV STEAM VENT

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DETROIT, MI

Key Plan

100% DESIGN DEVELOPMENT FEB. 06, 2019

Project

WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578

Drawing Title
MECHANICAL GENERAL NOTES AND SYMBOLS

Project Number: 3995-001-00

Drawn By: BDP

Scale: NTS

Seal:

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Signature: _____

Drawing No: _____

M0.0

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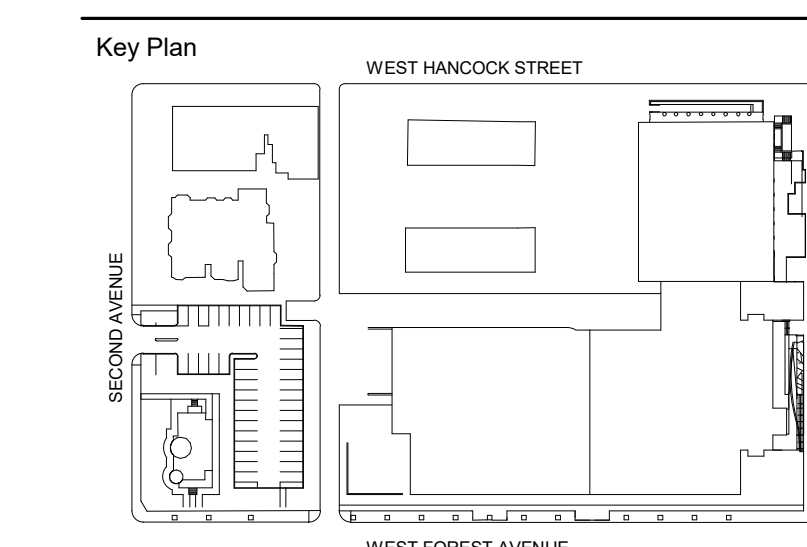
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DETROIT, MI

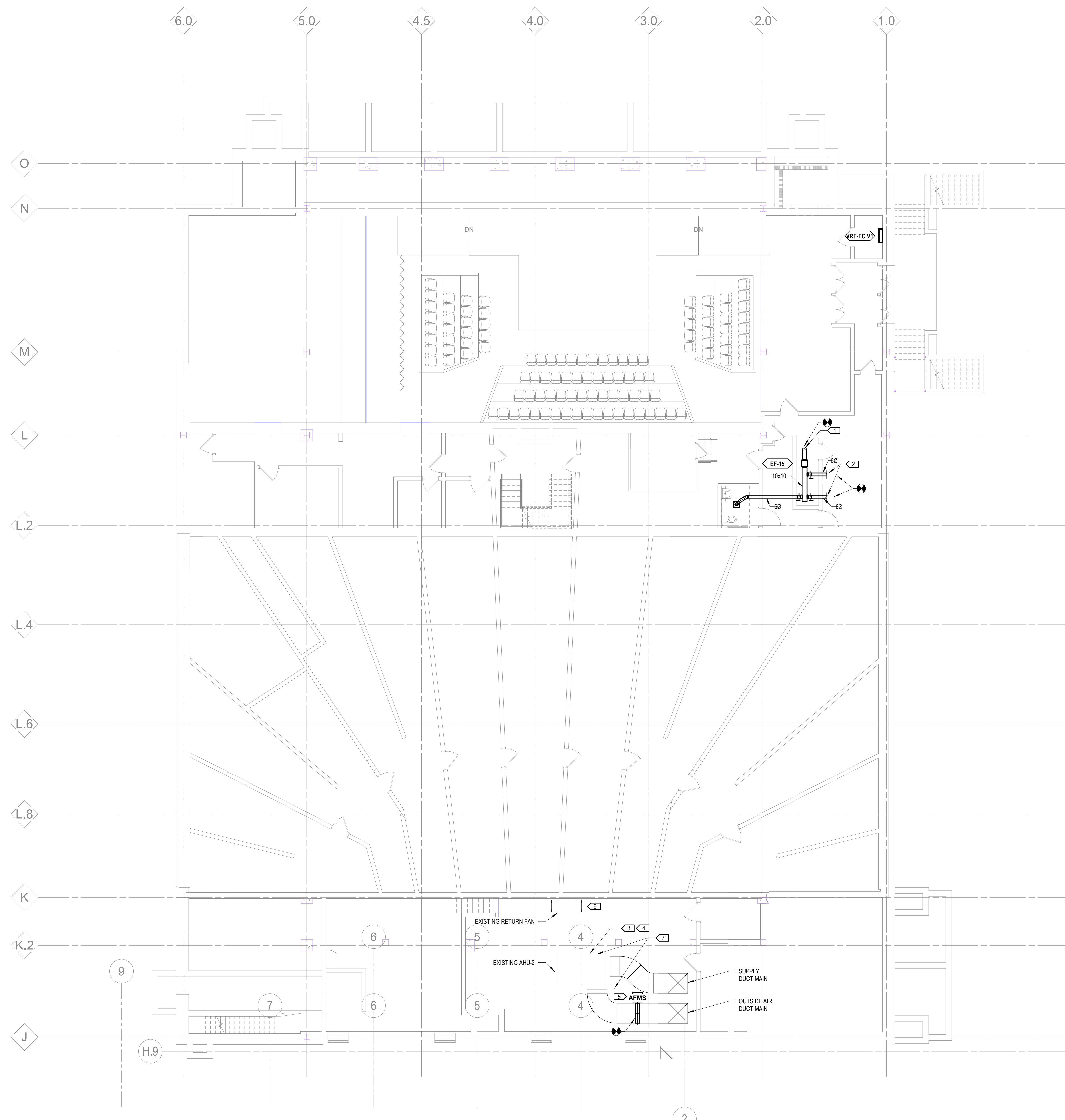


GENERAL NOTES:

- A. NOT INCLUDED IN SCOPE OF WORK SHOWN IN FINDINGS OF UPCOMING RETROCOMMISSIONING. AT A MINIMUM, PROVIDE AN ALLOWANCE FOR THE FOLLOWING:
- REPLACEMENT OF BOILER CONTROLS, 12 STEAM TRAPS, 12 CONTROL VALVES, AND 6 STEAM TERMINAL DEVICES.
 - REPLACEMENT OF CHILLER VALVING AND ONE SET OF AHU COIL VALVING.
 - CLEANING OF EXISTING AHU AND FAN COIL UNITS, CONTROL SYSTEM TUNING, REPLACEMENT/ADDITION OF 3 DOWNSTREAM CONTROL DAMPERS, AND THE ADDITION OF AIRFLOW MEASUREMENT OF FAN CFM AND OUTDOOR AIR FOR MAIN AHU ONLY.

PLAN KEY NOTES:

- CONNECT NEW EXHAUST DUCT MAIN TO EXISTING DUCTWORK.
- CONNECT NEW EXHAUST BRANCH DUCTWORK TO EXISTING EXHAUST GRILLES.
- PROVIDE THE FOLLOWING UPGRADES TO AHU-2:
 - PROVIDE NEW COOLING COIL CONDENSATE TRAP THAT COMPLIES WITH DETAIL SHOWN ON M7.1.
 - PROVIDE MONITORING AND ON/OFF CONTROL OF EXISTING SUPPLY FAN AND RETURN FAN.
 - REPLACE AHU-2 ELECTRIC TO PNEUMATIC (EP) SWITCH.
 - REMOVE AND REPLACE AHU-2 MIXED AIR DAMPER AND ASSOCIATED PNEUMATIC RECEIVER CONTROLLER WITH NEW DIGITAL MIXED AIR DAMPER.
 - REMOVE AND PLACE AHU-2 DISCHARGE AIR TEMPERATURE SENSOR AND ASSOCIATED COMPONENTS WITH NEW DIGITAL DISCHARGE AIR TEMPERATURE CONNECTED TO NEW AHU-2 DIGITAL CONTROLLER.
 - REPLACE AHU-2 CHILLED WATER TEMPERATURE SENSOR.
 - PROVIDE NEW CHILLED WATER COIL COOLING CONTROL VALVE.
 - REPLACE AHU-2 SUPPLY FAN MOUNTS WITH RESTRAINED SPRING ISOLATORS.
- PROVIDE NEW AHU-2 DIRECT DIGITAL CONTROLLER CONNECTED TO EXISTING UNIT CONTROL COMPONENTS. SYSTEM SHALL TIE INTO NEW HILBERRY BUILDING AUTOMATION SYSTEM. CONTROLLER SHALL BE CAPABLE OF MONITORING AHU-2 SUPPLY AND RETURN FAN STATUS, DISCHARGE AIR TEMPERATURE, OUTDOOR AIR TEMPERATURE, INCOMING OUTDOOR AIR TEMPERATURE, OUTDOOR AIRFLOW FLOW, AND PROVIDING BASIC UNIT CONTROLS INCLUDING FAN ON/OFF, SPACE SETPOINT CONTROL, ECONOMIZER CONTROL, AND CO2 DEMAND CONTROL VENTILATION.
- ADD NEW INSERTION STYLE THERMAL DISPERSION OUTDOOR AIR FLOW MEASURING STATION.
- INTERLOCK RETURN FAN OPERATION WITH AHU-2 SUPPLY FAN OPERATION. REPLACE ASSOCIATED DISCONNECT SWITCH WITH NEW HAND/OFF/AUTO SWITCH. PROVIDE NECESSARY COMPONENTS AND ACCESSORIES.
- PROVIDE NEW ACCESS DOORS IN EXISTING DUCTWORK AND IN AHU-2 TO ACCESS EACH OF THE FOLLOWING: OUTDOOR AIR DUCT ISOLATION DAMPER, RELIEF AIR DUCT ISOLATION DAMPER, AHU-2 COOLING COIL, AHU-2 HEATING COIL, AHU-2 SUPPLY FAN.



1 LOWER LEVEL PLAN - SECTOR A
 1/8" = 1'-0"

100% DESIGN DEVELOPMENT FEB. 06, 2019

Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
LOWER LEVEL HVAC - SECTOR A

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: 1/8" = 1'-0"
 Seal:

Signature: _____
 Drawing No:
M2.0A

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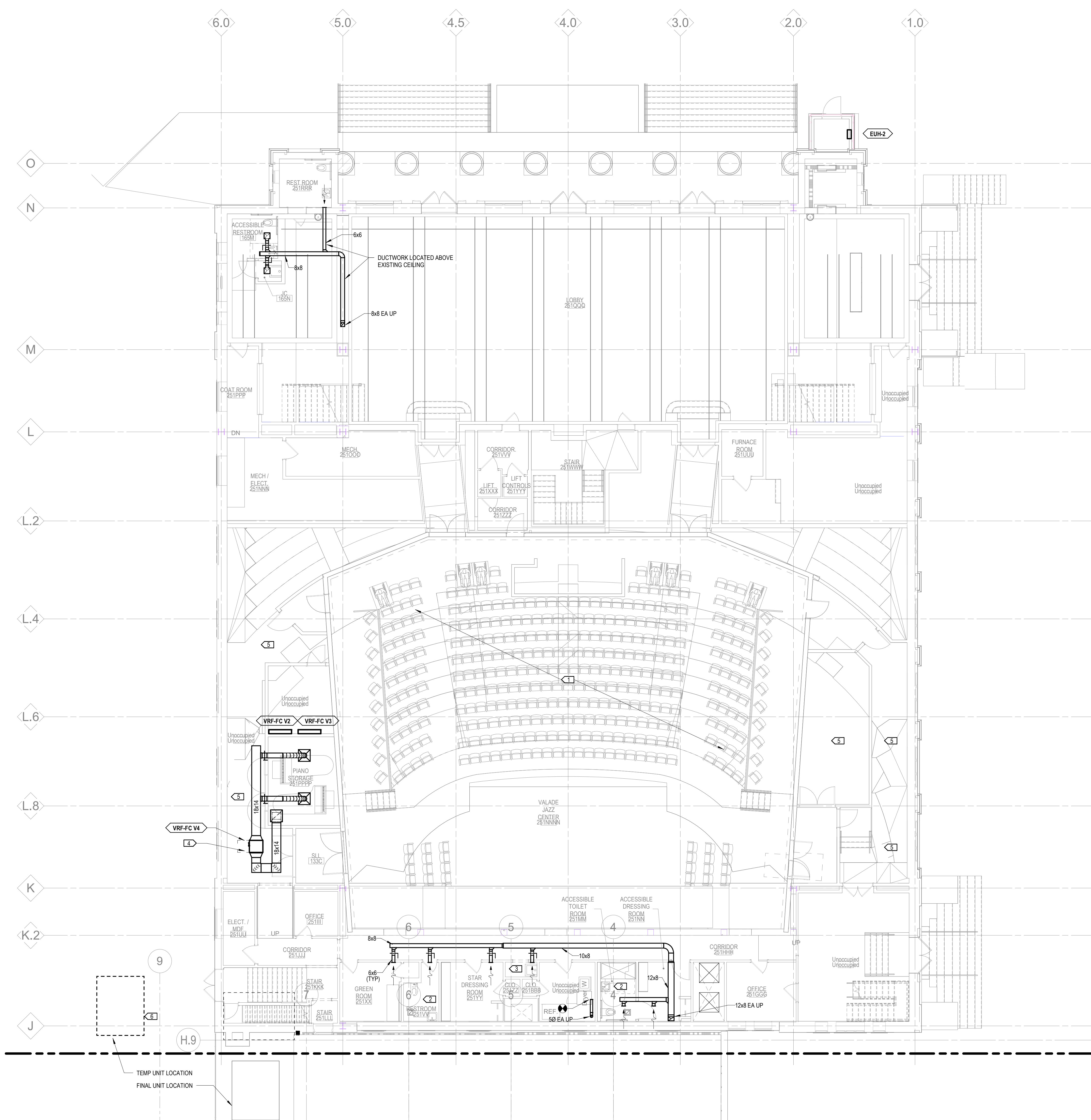
Owner	Wayne State University FP&M 5454 Cass Ave Detroit, MI 48202 313.577.2424
Contractor	Walbridge 777 Woodward Ave. Suite 300 Detroit, MI 48202 313.963.8000
Executive Architect	Hamilton Anderson 1435 Randolph Street, Suite 200 Detroit, MI 48226 313.964.0270
Design Architect	HGA 420 5th Street N, Suite 100 Minneapolis, MN 55401 612.758.4000
MEP Engineer	HGA 420 5th Street N, Suite 100 Minneapolis, MN 55401 612.758.4000
Structural Engineer	DESI / NASR Consulting Engineers 6765 Daly Road West Bloomfield, MI 48322 248.392.2010
Civil Engineer	Spalding DeDecker 905 South Blvd East Rochester Hills, MI 48307 800.598.1600
Landscape Architect	Hamilton Anderson 1435 Randolph Street, Suite 200 Detroit, MI 48226 313.964.0270
Theatrical	Auerbach Pollock Friedlander 285 West 37th Street New York, NY 10018 212.764.5630
Lighting	Auerbach Glasow 1945 Sansome Street, Suite 300 San Francisco, CA 94111 415.392.7528
Acoustics / AV	Jaffe Holden 114-A Washington Street Norwalk, CT 06864 203.838.4188

GENERAL NOTES:

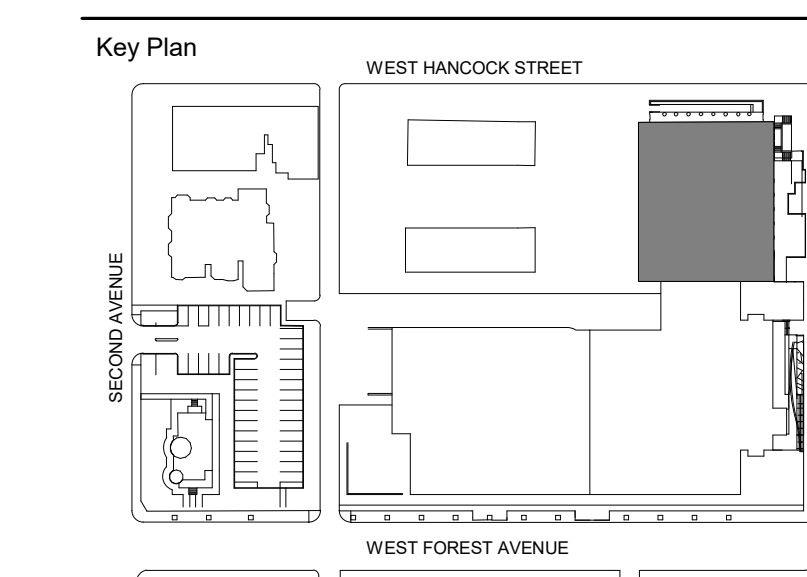
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- REPLACEMENT OF BOILER CONTROLS, 12 STEAM TRAPS, 12 CONTROL VALVES, AND 6 STEAM TERMINAL DEVICES.
 - REPLACEMENT OF CHILLER VALVING AND ONE SET OF AHU COIL VALVING.
 - CLEANING OF EXISTING AHU AND FAN COIL UNITS, CONTROL SYSTEM TUNING, REPLACEMENT/ADDITION OF 3 DOWNSTREAM CONTROL DAMPERS, AND THE ADDITION OF AIRFLOW MEASUREMENT OF FAN CFM AND OUTDOOR AIR FOR MAIN AHU ONLY.

PLAN KEY NOTES:

- CLEAN EXISTING RETURN AIR GRILLE DOMES. REMOVE ANY ASSOCIATED DIRT OR FIBERGLASS INSULATION PLUGGING RETURN AIR PATH. PROVIDE ALLOWANCE FOR THE REPLACEMENT OR ADDITION OF 15 NEW METAL RETURN AIR GRILLE DOMES.
- REMOVE EXISTING EXHAUST FAN, DUCTWORK, CONTROLS, AND GRILLES ASSOCIATED WITH THIS UNIT. PATCH WALLS AND CEILING TO MATCH EXISTING CONDITIONS.
- REMOVE ABANDONED EXPANSION TANK ASSEMBLY AND PIPING. PATCH WALLS AND CEILING TO MATCH EXISTING CONDITIONS.
- INLINE FAN COIL SHALL BE MOUNTED OUTSIDE OF THE THEATER CHAMBER VOLUME. AT APPROXIMATELY 13'-0" AFF.
- SPACE SHALL BE CONDITIONED FROM THEATER AHU-0002 FROM DUCT MAINS LOCATED ABOVE ON SECOND LEVEL.
- TEMPORARILY RELOCATE EXISTING 40 TON EXTERIOR CONDENSING UNIT DURING NEW BUILDING CONSTRUCTION. RELOCATED ELECTRICAL CONNECTION AND ASSOCIATED REFRIGERANT PIPING AS NECESSARY AND PROVIDE ALL NECESSARY COMPONENTS NEED TO KEEP UNIT OPERATIONAL DURING NEW BUILDING CONSTRUCTION.



1 LEVEL ONE HVAC PLAN - SECTOR A
 1/8" = 1'-0"



100% DESIGN DEVELOPMENT FEB. 06, 2019
 Project

WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
LEVEL ONE HVAC - SECTOR A

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: 1/8" = 1'-0"
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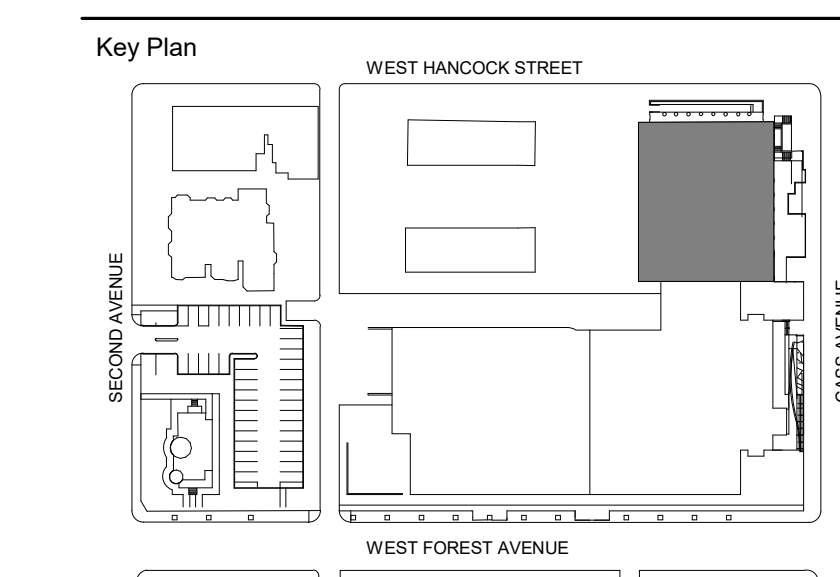
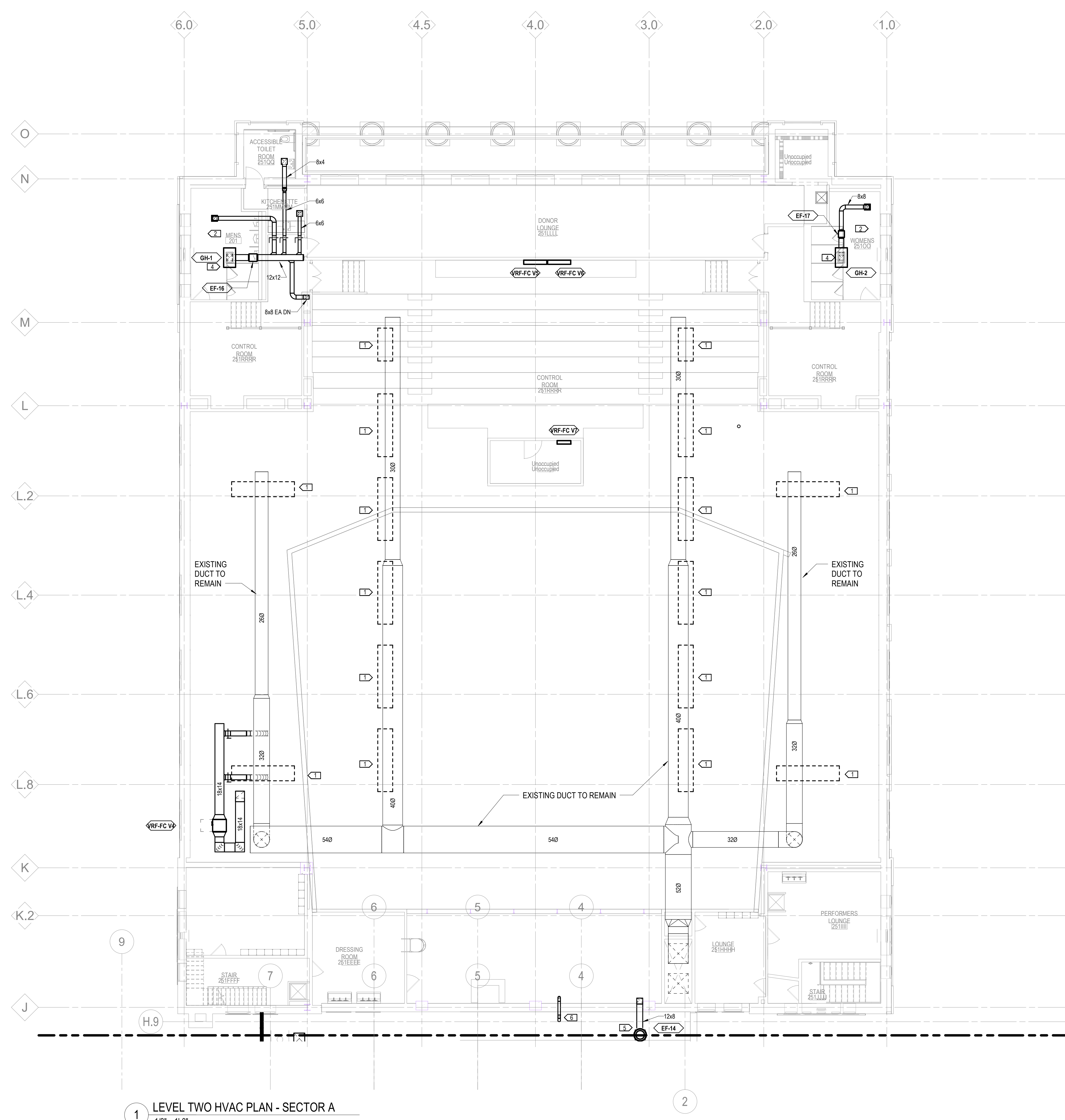
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Acoustics / AV	Jaffe Holden 114-A Washington Street Norwalk, CT 06864 203.838.4188

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- PLAN KEY NOTES:**
- RE-USE EXISTING ARCHITECTURAL SUPPLY AIR GRILLE. REMOVE DUCT TAP, DUCT CONNECTION AND EXISTING GRILLE PLENUM AND REPLACE WITH NEW 22" ACOUTICAL FLEX DUCT TAPS TO NEW 36" DEEP, LINED PLENUM AT SAME SIZE AS EXISTING GRILLE. PLENUM LINER SHALL BE 1" ELASTOMERIC. CLEAN AND TOUCH UP EXISTING SUPPLY AIR GRILLE.
 - REMOVE EXISTING EXHAUST FAN, DUCTWORK, CONTROLS, AND GRILLES ASSOCIATED WITH THIS UNIT. PATCH WALLS AND CEILING TO MATCH EXISTING CONDITIONS.
 - NOT USED.
 - DUCTWORK UP TO GRAVITY RELIEF HOOD LOCATED ABOVE ON ROOF. CURB FOR HOOD SHALL BE FOR SLOPED ROOF.
 - DUCTWORK SHALL CONNECT INTO SIDE OF 36" EXHAUST FAN ROOF CURB.
 - DRYER VENT SHALL TERMINATE SIDEWALL 24" ABOVE ROOF MEMBRANE.



100% DESIGN DEVELOPMENT FEB. 06, 2019

Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
LEVEL TWO HVAC - SECTOR A

Project Number: 3995-001-00
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 Seal:

Signature: _____
 Drawing No:

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 313.964.0270

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 612.758.4000

MEP Engineer: HGA
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 248.392.2010

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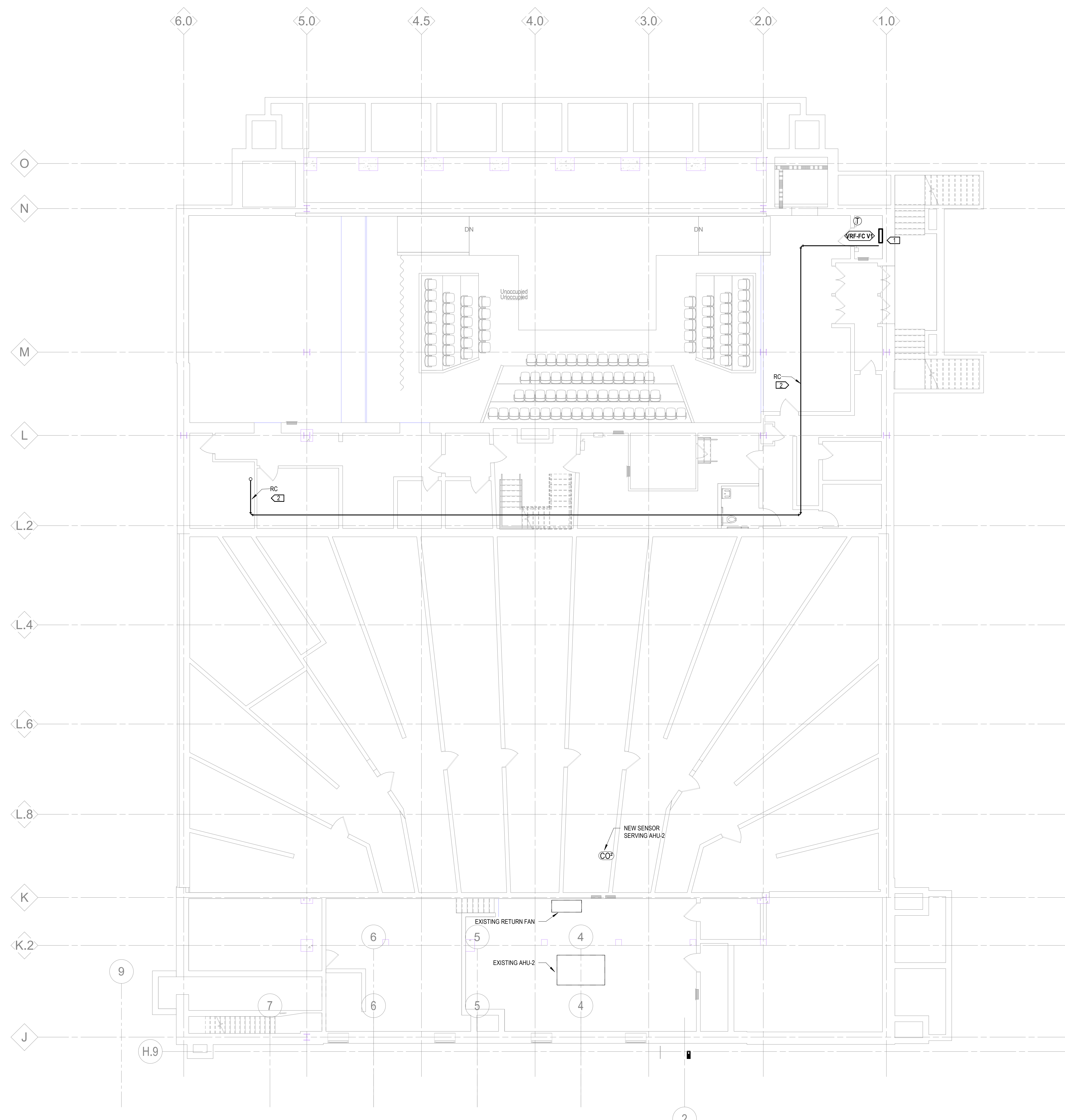
Theatrical: Auerbach Pollock Friedlander
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 New York, NY 10018
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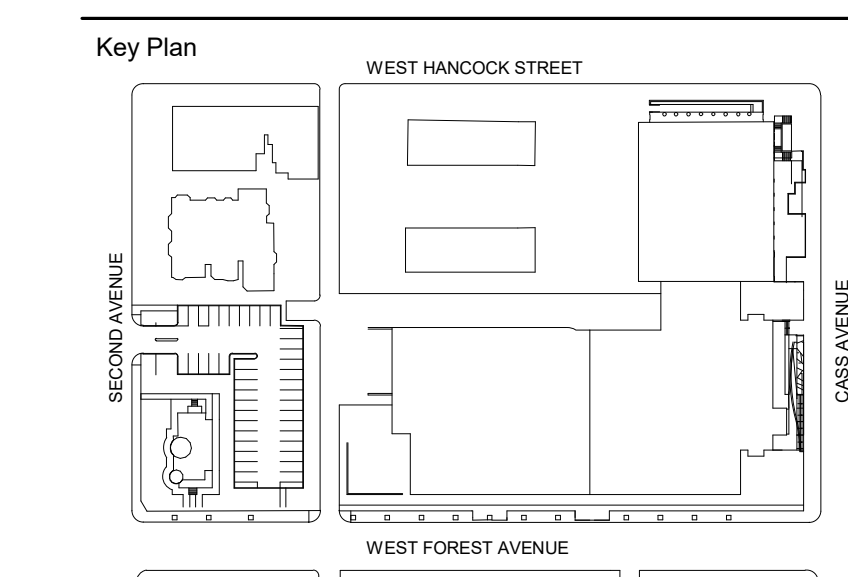
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 114-A Washington Street
 Norwalk, CT 06864
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- PLAN KEY NOTES:**
- ROUTE REFRIGERANT PIPING TO HEAT RECOVERY UNIT LOCATED IN MECHANICAL ROOM ON FIRST FLOOR. PUMP CONDENSATE UP AS HIGH AS POSSIBLE AND ROUTE TO NEAREST FLOOR DRAIN OR JANITOR SINK
 - INSULATED REFRIGERANT SUCTION AND DISCHARGE PIPING. REFER TO SHEET M6.3 FOR MORE DETAIL.



1 LOWER LEVEL MECHANICAL PIPING - SECTOR A
 1/8" = 1'-0"



100% DESIGN DEVELOPMENT FEB. 06, 2019

Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
LEVEL ONE MECHANICAL PIPING - SECTOR A

Project Number: 3995-001-00
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 Scale: 1/8" = 1'-0"
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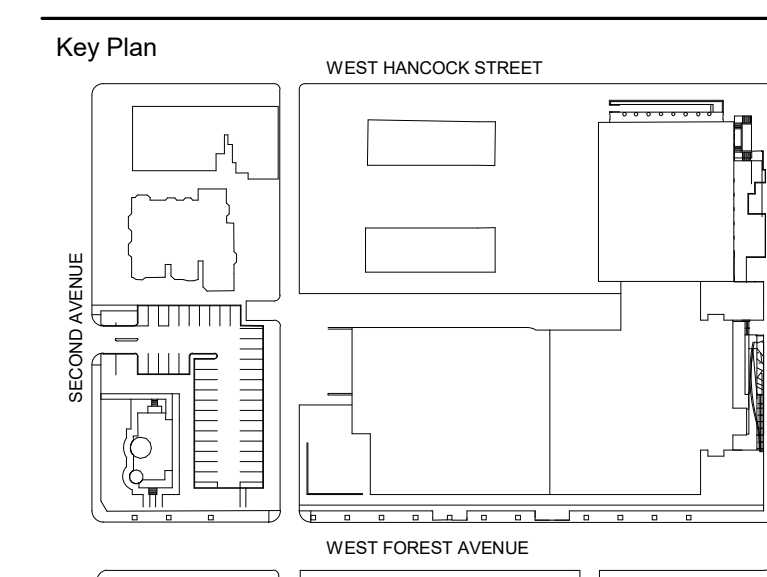
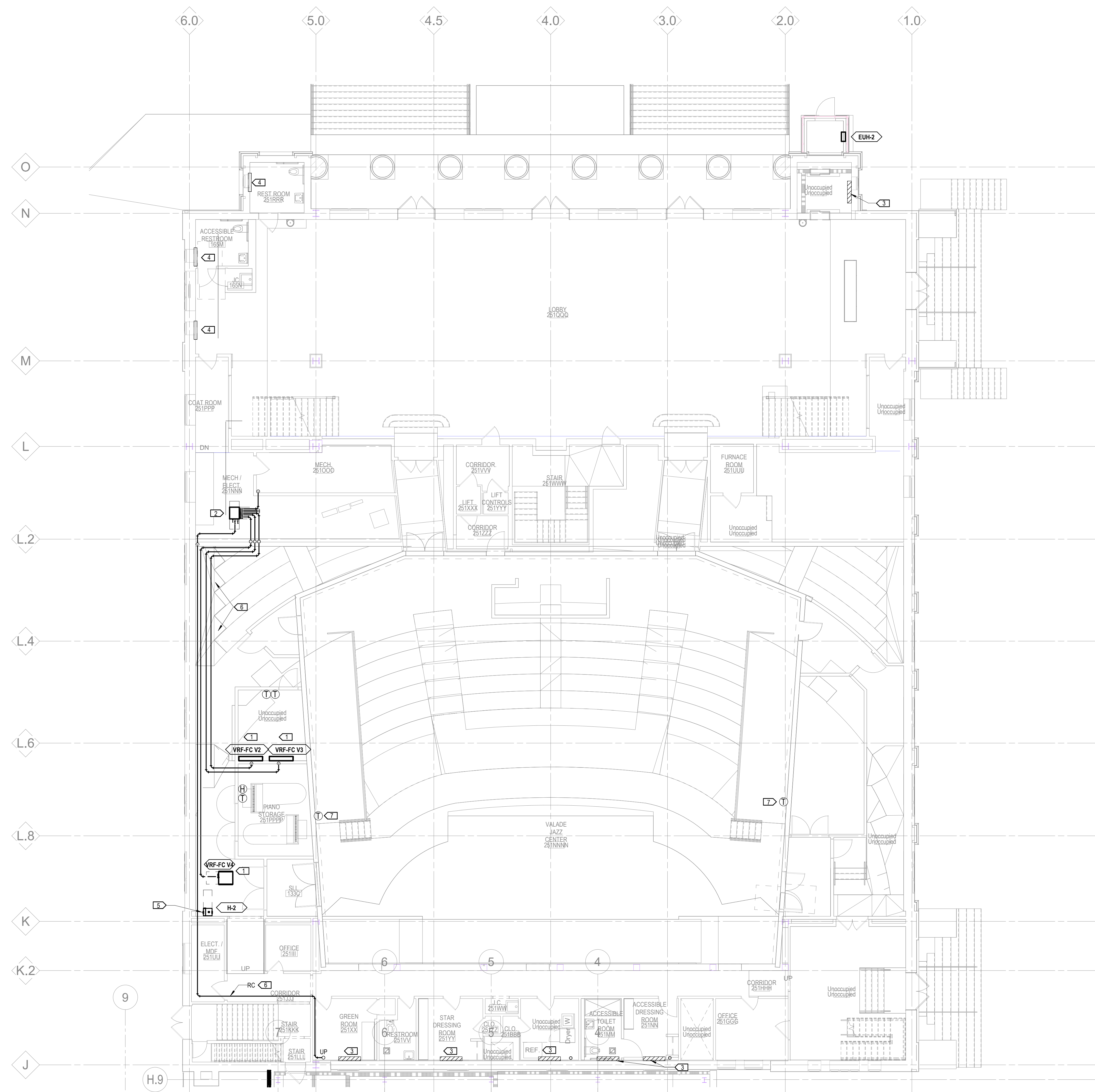
M3.0A

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Acoustics / AV	Jaffe Holden 114-A Washington Street Norwalk, CT 06864 203.636.4168

- PLAN KEY NOTES:**
- ROUTE REFRIGERANT PIPING TO HEAT RECOVERY UNIT LOCATED IN MECHANICAL ROOM ON FIRST FLOOR. PUMP CONDENSATE UP AS HIGH AS POSSIBLE AND ROUTE TO NEAREST FLOOR DRAIN OR JANITOR SINK.
 - LOCATE VRF REFRIGERANT HEAT RECOVERY UNIT (BOX) IN AN ACCESSIBLE LOCATION IN MECHANICAL ROOM.
 - REMOVE EXISTING STEAM RADIATOR, PIPING, AND ACCESSORIES BACK TO PIPE MAIN. PATCH AND REPAIR WALL AND FLOORS TO MATCH EXISTING CONDITIONS.
 - EXISTING RADIATORS TO REMAIN.
 - HUMIDIFIER SHALL BE MOUNTED OUTSIDE OF THE THEATER CHAMBER VOLUME, AT APPROXIMATELY 13'-0" AFF. REFER TO DETAIL ON M7.0 FOR MORE INFORMATION.
 - INSULATED REFRIGERANT SUCTION AND DISCHARGE PIPING. REFER TO SHEET M6.3 FOR MORE DETAIL.
 - NEW SPACE TEMPERATURE SENSORS WITH CUSTOM FINISH TO MATCH WALL.



1 LEVEL ONE MECHANICAL PIPING - SECTOR A
1/8" = 1'-0"

100% DESIGN DEVELOPMENT FEB. 06, 2019
Project

**WSU - GATEWAY
THEATER COMPLEX**
WSU PROJECT NO. 189-178578
Drawing Title
**LEVEL ONE
MECHANICAL PIPING -
SECTOR A**

Project Number: 3995-001-00
Drawn By: Designer
Scale: 1/8" = 1'-0"
Seal:

Signature: _____
Drawing No:

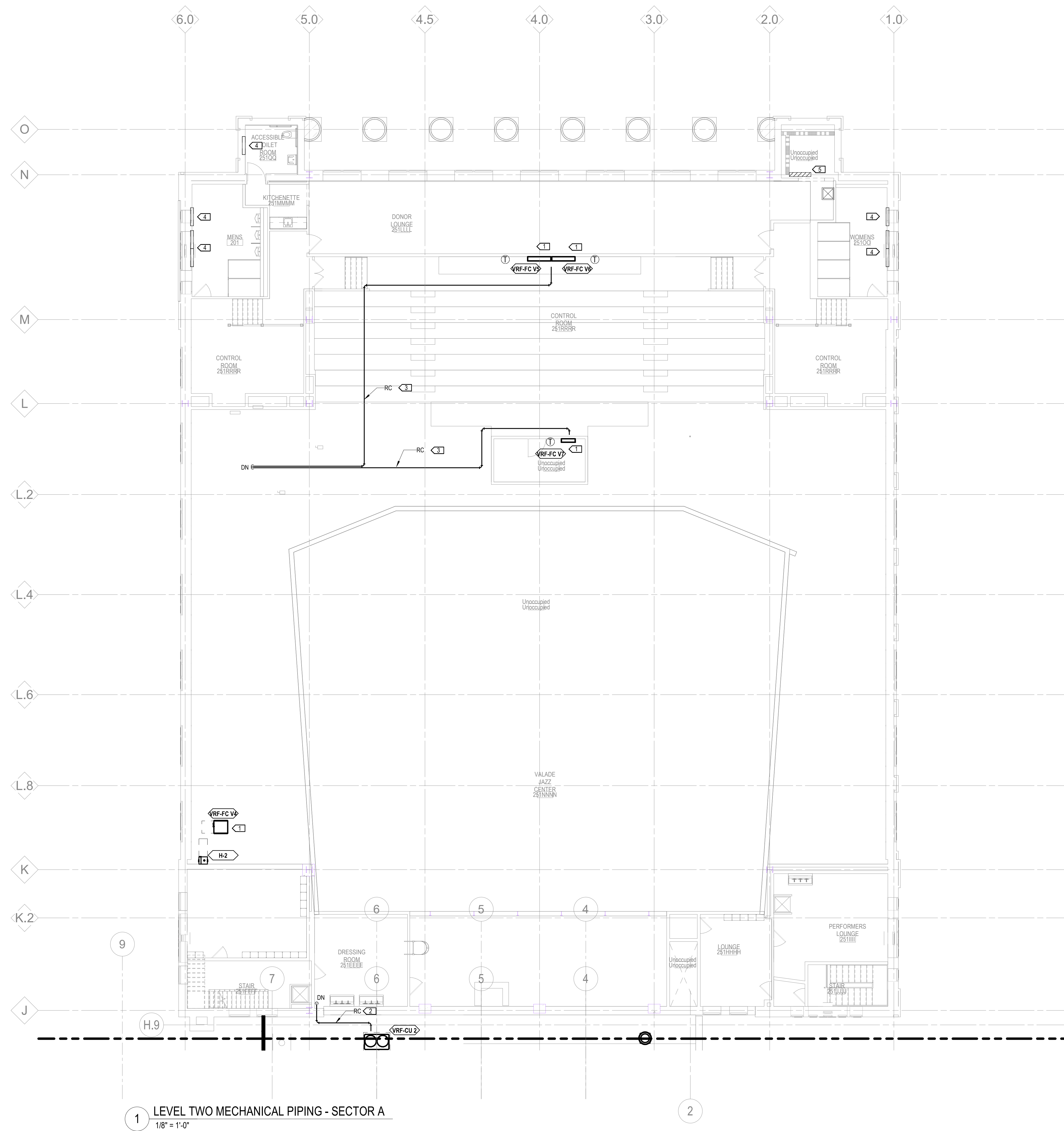
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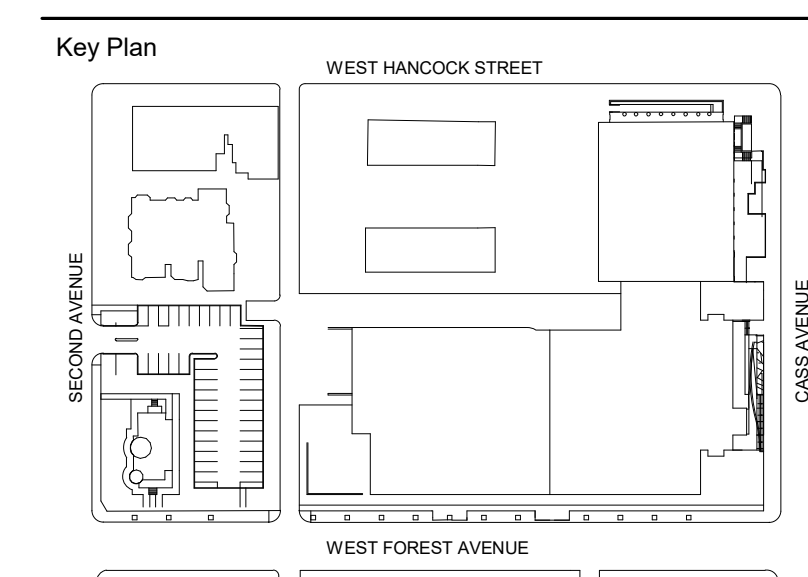
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Acoustics / AV	Jaffe Holden 114-A Washington Street Norwalk, CT 06864 203.838.4188

- PLAN KEY NOTES:**
- ROUTE REFRIGERANT PIPING TO HEAT RECOVERY UNIT LOCATED IN MECHANICAL ROOM ON FIRST FLOOR. PUMP CONDENSATE UP AS HIGH AS POSSIBLE AND ROUTE TO NEAREST FLOOR DRAIN OR JANITOR SINK.
 - ROUTE REFRIGERANT PIPING FROM EXTERIOR CONDENSING UNIT TO HEAT RECOVERY BOX LOCATED IN FIRST FLOOR MECHANICAL ROOM. LOCATE UNIT ON NEW BUILDING EXTERIOR ROOF SCREENED AREA.
 - INSULATED REFRIGERANT SUCTION AND DISCHARGE PIPING. REFER TO SHEET M6.3 FOR MORE DETAIL.
 - EXISTING RADIATORS TO REMAIN.
 - REMOVE EXISTING STEAM RADIATOR, PIPING, AND ACCESSORIES BACK TO PIPE MAIN. PATCH AND REPAIR WALL AND FLOORS TO MATCH EXISTING CONDITIONS.



1 LEVEL TWO MECHANICAL PIPING - SECTOR A
 1/8" = 1'-0"



100% DESIGN DEVELOPMENT FEB. 06, 2019

Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
LEVEL TWO MECHANICAL PIPING - SECTOR A

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: 1/8" = 1'-0"
 Seal:

Signature: _____
 Drawing No:

M3.2A

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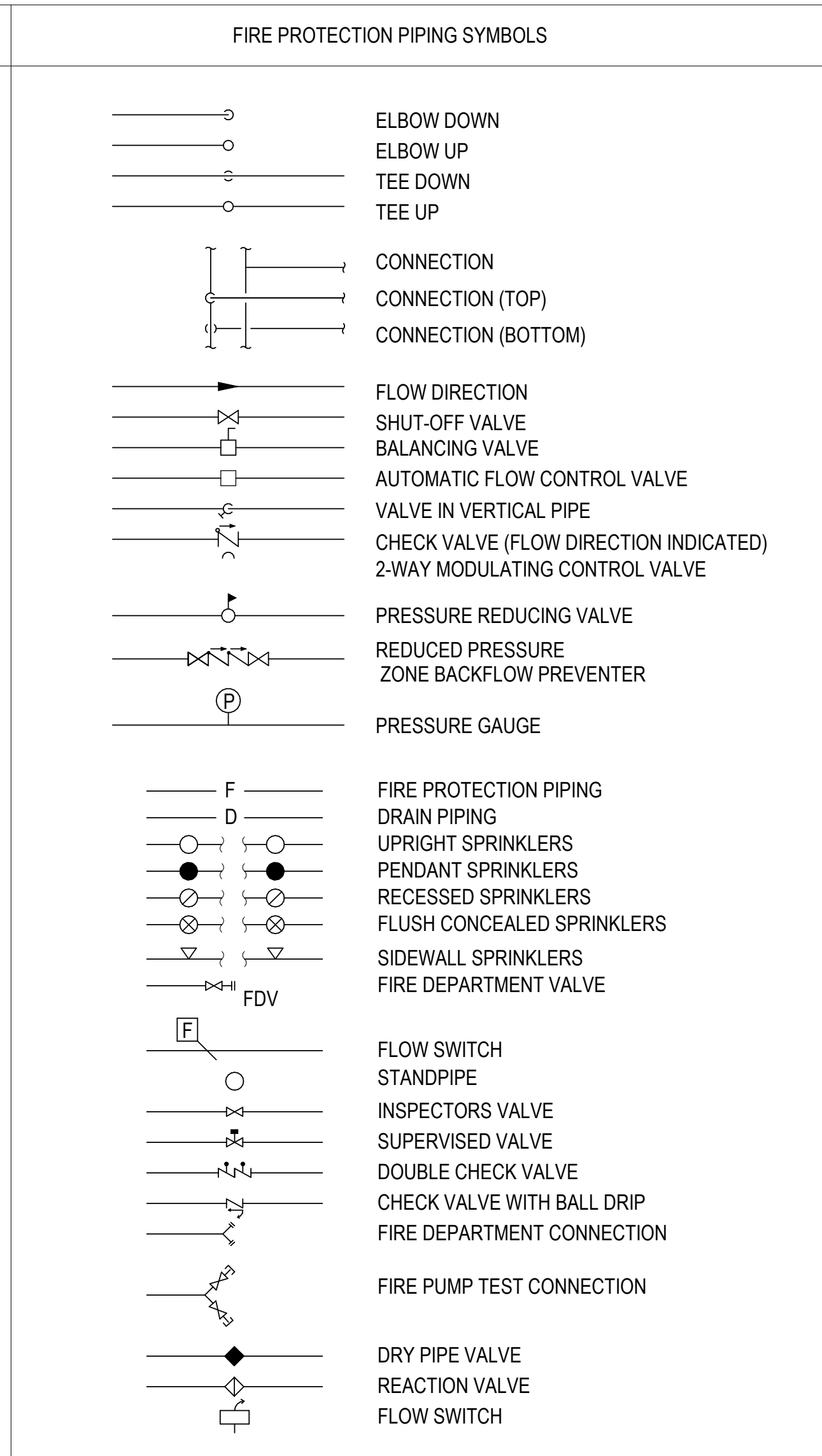
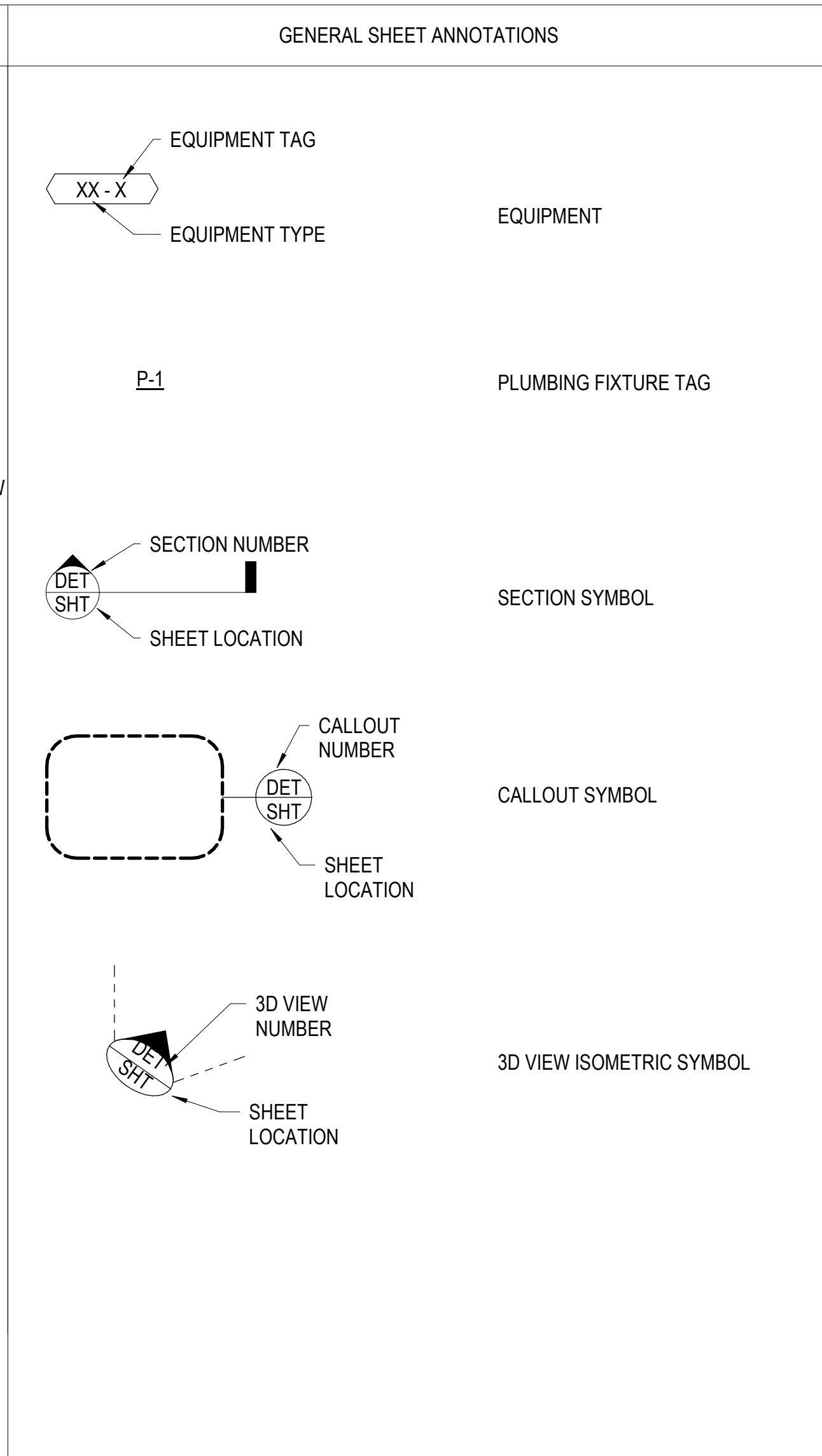
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Acoustics / AV Jaffe Holden
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 203.836.4168

ABBREVIATIONS			
A	ADJ ADJUSTABLE AFF ABOVE FINISHED FLOOR AFMS AIRFLOW MEASURING STATION AHU AIR HANDLING UNIT ALT ALTERNATE AP ACCESS PANEL(S) APD AIR PRESSURE DROP ARCH ARCHITECT(URAL)	F FDC FAHRENHEIT FFC FIRE DEPT CONNECTION FLR FINISHED FLOOR ELEVATION FLR FLOOR FLX FLEXIBLE FPM FEET PER MINUTE FPB FAN POWERED VAV BOX F&T FLOAT AND THERMOSTATIC (TRAP) FT FOOT, FEET FTG FOOTING FTR FINNED TUBE RADIATION	O OA OUTSIDE AIR OD OUTSIDE DIAMETER/DIMENSION
B	BAS BUILDING AUTOMATION SYSTEM BHP BRAKE HORSE POWER BLDG BUILDING BTUH BRITISH THERMAL UNIT BWV BACK WATER VALVE	G GA GAUGE GAL GALLON GALV GALVANIZED GEN GENERATOR GPH GALLON(S) PER HOUR GPM GALLON(S) PER MINUTE	P PD PRESSURE DROP PLBG PLUMBING PPM PARTS PER MILLION PRES PRESSURE PSI POUNDS PER SQUARE INCH PVC POLYVINYL CHLORIDE
C	CD CONDENSATE CFH CUBIC FOOT PER HOUR CFM CUBIC FOOT PER MINUTE CIP CAST IRON PIPE CLG CEILING CO CARBON MONOXIDE CO2 CARBON DIOXIDE COMB COMBINATION CONC CONCRETE COND CONDENS(ATE) (ER) CONN CONNECTION CONT CONTINUE(S) (OUS) (ATION) CONTR CONTRACT(OR) CORR CORRIDOR	H HB HOSE BIB HP HIGH PRESSURE HP HORSEPOWER HTG HEATING HTR HEATER HVAC HEATING, VENTILATION AND AIR CONDITIONING	R RA RADIUS RA RETURN AIR REG REGISTER REQD REQUIRED RH RELATIVE HUMIDITY RM ROOM RO REVERSE OSMOSIS RPM REVOLUTIONS PER MINUTE RPZ REDUCED PRESSURE BACKFLOW PREVENTER RTU ROOFTOP UNIT
D	DB DRY BULB DDC DIRECT DIGITAL CONTROL (PANEL) DEG DEGREE(S) DET DETAIL DI DEIONIZED WATER DIFF DIFFUSER DMPR DAMPER DN DOWN DP DIFFERENTIAL PRESSURE DWG(S) DRAWING(S)	I ID INSIDE DIAMETER/DIMENSION IN INCHES INSUL INSULATION INV INVERT ISOL ISOLATOR	S SA SUPPLY AIR SF SQUARE FEET SHT SHEET SP STATIC PRESSURE SPEC(S) SPECIFICATION(S) SQ SQUARE SS STAINLESS STEEL STRUC STRUCTURE(S) (AL)
E	EA EACH EA EXHAUST AIR EAT ENTERING AIR TEMPERATURE ELEC ELECTRICAL EMER EMERGENCY ESP EXTERNAL STATIC PRESSURE EWT ENTERING WATER TEMPERATURE EXG EXISTING EXH EXHAUST EXT EXTERIOR	L LAT LEAVING AIR TEMPERATURE LBS/HR POUNDS PER HOUR LF LINEAL FOOT, FEET LVR LOUVER LWT LEAVING WATER TEMPERATURE	T TCP THERMOSTAT TCP TEMPERATURE CONTROL PANEL TEMP TEMPERATURE TMV THERMOSTATIC MIXING VALVE TSP TOTAL STATIC PRESSURE TYP TYPICAL
		M MAX MAXIMUM 1000 BTUH MECH MECHANICAL(LY) MEZZ MEZZANINE MFR MANUFACTURER MIN MINIMUM MIN MINUTE MISC MISCELLANEOUS	V VAV VARIABLE AIR VOLUME VENT VENTILATION OR VENTILATOR VERT VERTICAL VOLUME VSD VARIABLE SPEED DRIVE (MOTOR CONTROLLER) VOLUME VTR VENT THROUGH ROOF
		N NC NOISE CRITERIA NIC NOT IN CONTRACT NO NUMBER NTS NOT TO SCALE	W W WASTE W/W WITH W/O WITHOUT WB WET BULB WC WATER COLUMN WG WATER GAUGE WH WALL HYDRANT WS WASTE STACK WTR WATER

NOTE:
REFER TO PIPING SYSTEM DESIGNATIONS AND EQUIPMENT SCHEDULES FOR ADDITIONAL ABBREVIATIONS.



FIRE PROTECTION GENERAL NOTES

A. IN ALL AREAS WITH EXPOSED CEILINGS, SPECIAL CARE MUST BE TAKEN IN THE INSTALLATION OF PIPING AND ANY OTHER MECHANICAL / PLUMBING EQUIPMENT. LAYOUTS MUST BE ARRANGED TO COMPLEMENT THE AESTHETICS OF THE SPACE. REFER ALSO TO ARCHITECTURAL DRAWINGS, SPECIFICATIONS, AND COORDINATION REQUIREMENTS FOR FURTHER INFORMATION FOR AESTHETIC INTENTS AND PAINTING REQUIREMENTS IN EXPOSED AREAS.

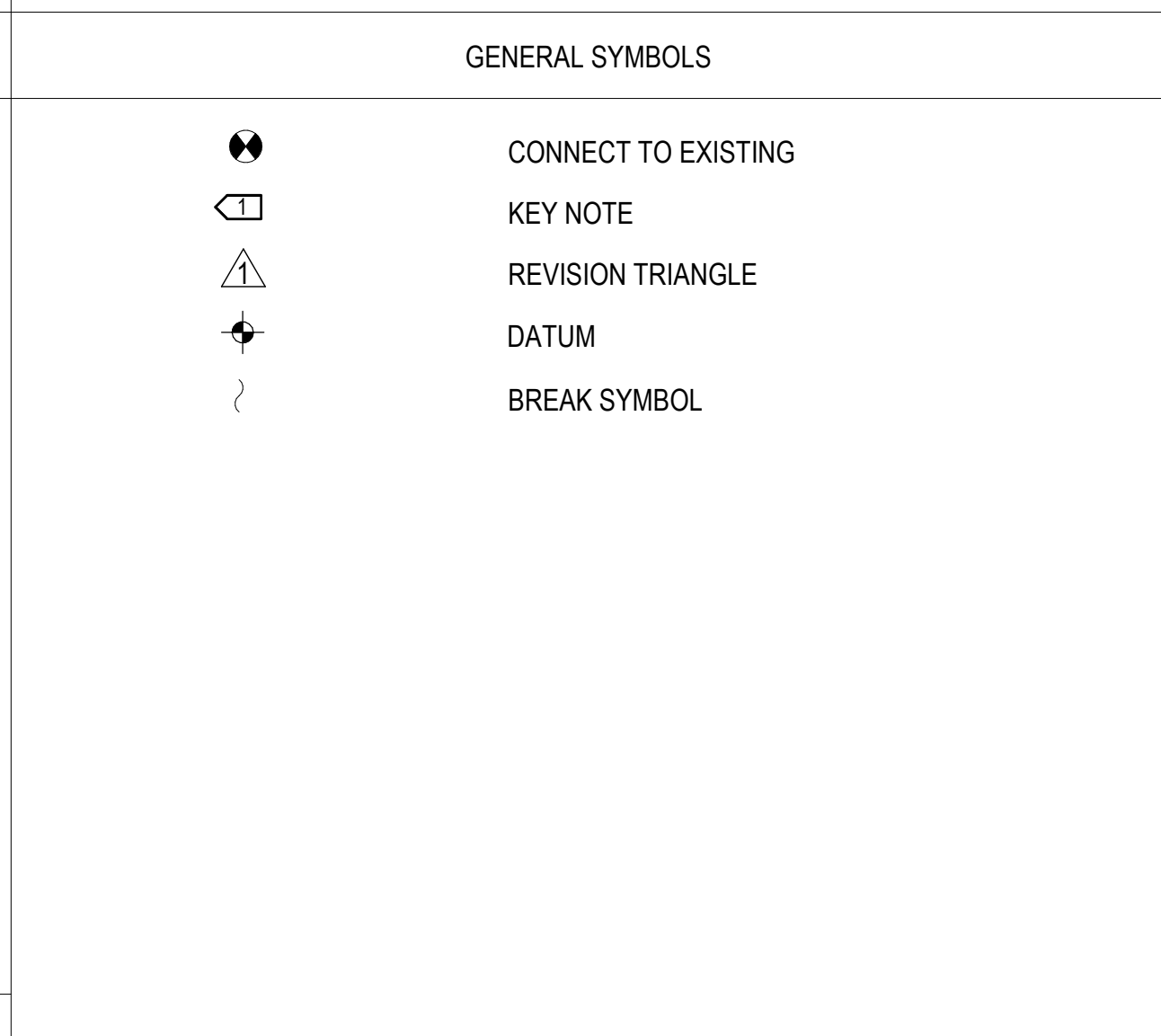
B. CAREFULLY COORDINATE ALL PIPING, FIRE PROTECTION, EQUIPMENT, CONTROLS, SUPPORTS, ETC. TO SUPPORT ACCESS, SERVICE, INSTALLATION AND MAINTENANCE OF EQUIPMENT, DEVICES, VALVES, CONTROLS, ETC. REFER ALSO TO COORDINATION REQUIREMENTS IN DRAWINGS AND SPECIFICATIONS.

C. REFER TO ARCHITECTURAL PLANS AND OTHER AREAS OF THE PLANS AND SPECIFICATIONS FOR ACOUSTICALLY SENSITIVE SPACES, WALLS AND WALL DESIGNATIONS. REFER TO ARCHITECTURAL AND MECHANICAL SPECIFICATIONS AND DETAILS FOR APPROPRIATE PENETRATIONS.

D. ACCESS PANELS ARE INDICATED ON ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. ANY EQUIPMENT, VALVES, FIELD DEVICES, ETC. NEEDING AN ACCESS PANEL NOT INDICATED ON THE DRAWINGS SHALL ALSO BE PROVIDED AND SUBMITTED TO THE ARCHITECT FOR APPROVAL OF PANEL SIZE, DETAIL, AND PANEL LOCATION PRIOR TO INSTALLATION OF ITEM REQUIRING ACCESS.

E. MOUNTING HEIGHTS OF ANY WALL DEVICES REQUIRE FINAL LOCATION AND ELEVATION COORDINATED WITH ARCHITECTURE. REFER ALSO TO INTERIOR ELEVATIONS AND FURNITURE PLANS FOR DETAILS.

F. WHERE CONNECTING TO EXISTING SYSTEMS OR RECONFIGURING EXISTING SYSTEMS, MEASURE AND DOCUMENT PERFORMANCE OF IMPACTED SYSTEMS AT COMPLETION WORK AND BALANCE / ADJUST PERFORMANCE TO MEET CONDITIONS PRESENT PRIOR TO WORK.



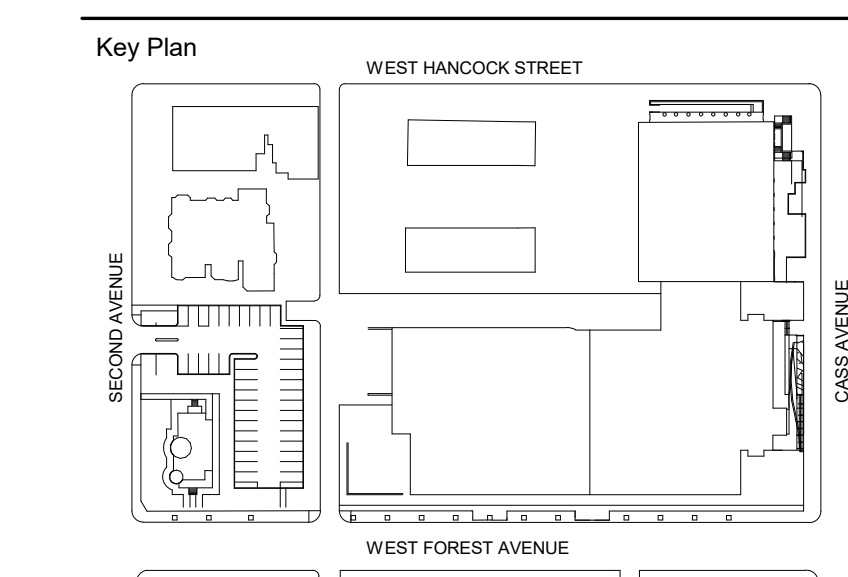
FIRE PROTECTION NOTES

A. CONTRACTOR TO PREPARE AND SUBMIT FOR ENGINEER'S APPROVAL SIGNED FIRE PROTECTION HYDRAULIC CALCULATIONS, EQUIPMENT DATA SHEETS AND MAINTENANCE & OPERATION MANUALS.

B. ALLOW FOR 10% MORE SPRINKLERS THAT CODE MINIMUM FOR FLEXIBILITY IN ARRANGEMENT AND PATTERN.

C. ALLOW FOR ADDITIONAL SPRINKLERS TO COORDINATE WITH OBSTRUCTIONS CREATED BY INSTALLED MEP SYSTEMS (DUCTWORK, CABLE TRAYS, ETC.) AS REQUIRED BY NFPA-13.

DETROIT, MI



100% DESIGN DEVELOPMENT	FEB. 06, 2019
Project	
Project Number: 3995-001-00	
Drawn By: Designer	
Scale: 1" = 1'-0"	
Seal:	

WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578

Drawing Title
FIRE PROTECTION GENERAL NOTES AND SYMBOLS

PLUMBING AND FIRE PROTECTION SHEET LIST

SHEET NUMBER	SHEET NAME
F0.0	FIRE PROTECTION GENERAL NOTES AND SYMBOLS
F1.0A	LOWER LEVEL PLAN - SECTOR A FIRE PROTECTION
F1.0BC	LOWER LEVEL - SECTOR B AND C PLAN - FIRE PROTECTION
F1.1A	LEVEL ONE - SECTOR A - FIRE PROTECTION
F1.1BC	LEVEL ONE - SECTOR B AND C - FIRE PROTECTION
F1.2A	LEVEL TWO - SECTOR A - FIRE PROTECTION
F1.2BC	LEVEL TWO - SECTOR B AND C - FIRE PROTECTION
F7.0	FIRE PROTECTION SCHEDULES AND DETAILS

NOTES:
 REFER ALSO TO EM8.0 & EM8.1 IN ELECTRICAL DRAWINGS FOR MORE INFORMATION

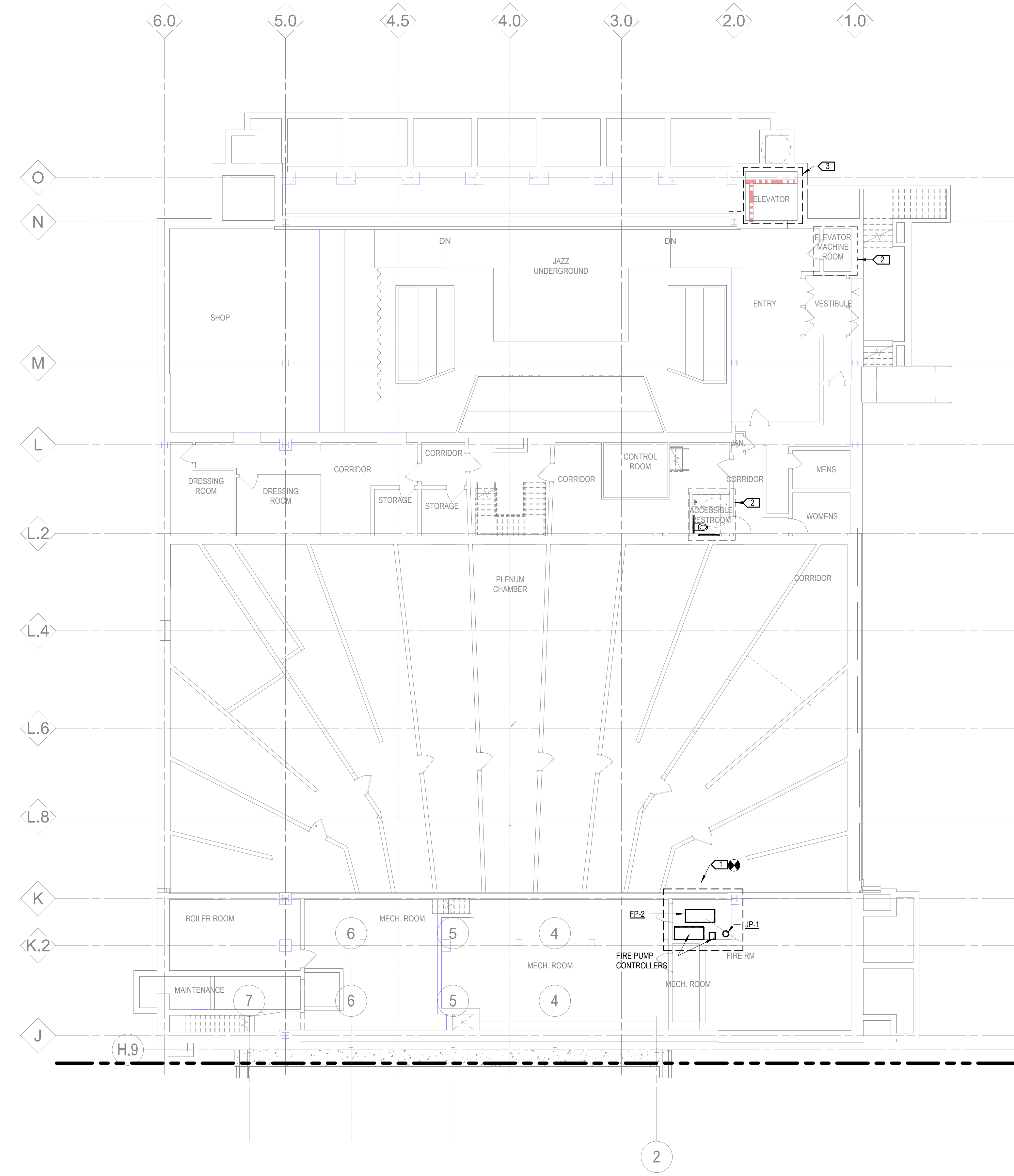
Signature: _____

Drawing No:

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F0.0

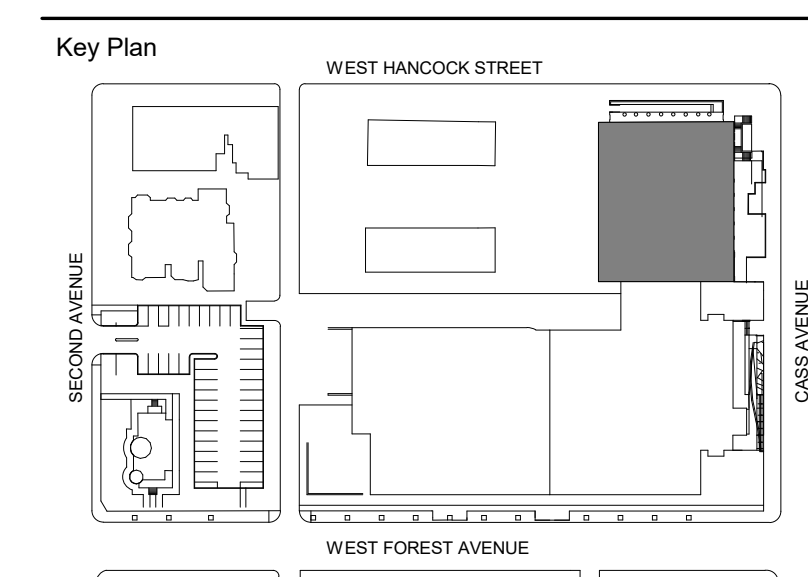
- KEYNOTES:**
1. PROVIDE NEW FIRE PUMP, JOCKEY PUMP AND ASSOCIATED CONTROL PANELS. MAKE CONNECTION TO EXISTING PIPING SYSTEM. MODIFY EXISTING PIPING SYSTEM AS REQUIRED. PROVIDE NEW VALVES AND ACCESSORIES WHERE EXISTING VALVES HAVE FAILED AND WHERE MODIFICATIONS TO THE EXISTING PIPING SYSTEM ARE REQUIRED.
 2. FIRE SPRINKLER CONTRACTOR SHALL MODIFY THE EXISTING FIRE SPRINKLER SYSTEM AS REQUIRED IN RENOVATED SPACES TO MEET THE REQUIREMENTS OF NFPA AND ALL LOCAL CODES. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL SPECIFIC SPACES/ROOMS THAT ARE BEING MODIFIED OR RE-CLASSIFIED.
 3. PROVIDE FIRE SPRINKLER(S) IN ELEVATOR SHAFT AS REQUIRED BY LOCAL CODE(S)



1 LOWER LEVEL PLAN - SECTOR A - FIRE PROTECTION
 3/32" = 1'-0"

- Owner** Wayne State University FP&M
 5454 Cass Ave
 Detroit, MI 48202
 313.577.2424
- Contractor** Walbridge
 777 Woodward Ave. Suite 300
 Detroit, MI 48202
 313.963.8000
- Executive Architect** Hamilton Anderson
 1435 Randolph Street, Suite 200
 Detroit, MI 48226
 313.964.0270
- Design Architect** HGA
 420 5th Street N, Suite 100
 Minneapolis, MN 55401
 612.758.4000
- MEP Engineer** HGA
 420 5th Street N, Suite 100
 Minneapolis, MN 55401
 612.758.4000
- Structural Engineer** DESI / NASR Consulting Engineers
 6765 Daly Road
 West Bloomfield, MI 48322
 248.392.2010
- Civil Engineer** Spalding DeDecker
 905 South Blvd East
 Rochester Hills, MI 48307
 800.598.1600
- Landscape Architect** Hamilton Anderson
 1435 Randolph Street, Suite 200
 Detroit, MI 48226
 313.964.0270
- Theatrical** Auerbach Pollock Friedlander
 288 West 37th Street
 New York, NY 10018
 212.764.5630
- Lighting** Auerbach Glasow
 1045 Sansome Street, Suite 300
 San Francisco, CA 94111
 415.392.7528
- Acoustics / AV** Jaffe Holden
 114-A Washington Street
 Norwalk, CT 06864
 203.838.4188

DETROIT, MI



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 Project

WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
LOWER LEVEL PLAN - SECTOR A FIRE PROTECTION

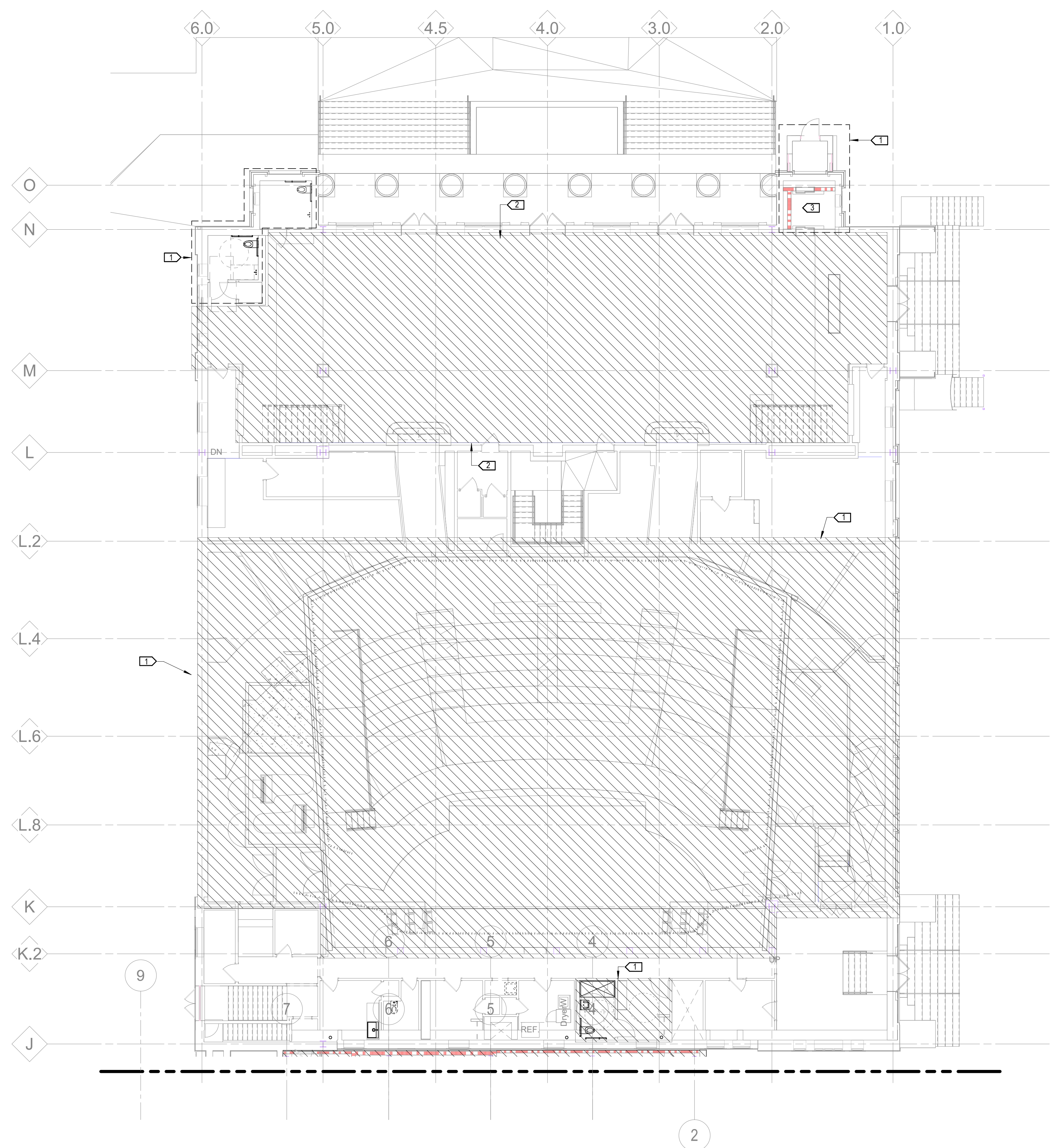
Project Number: 3995-001-00
 Drawn By: Designer
 Scale: As indicated
 Seal:

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Signature: _____
 Drawing No:

F1.0A

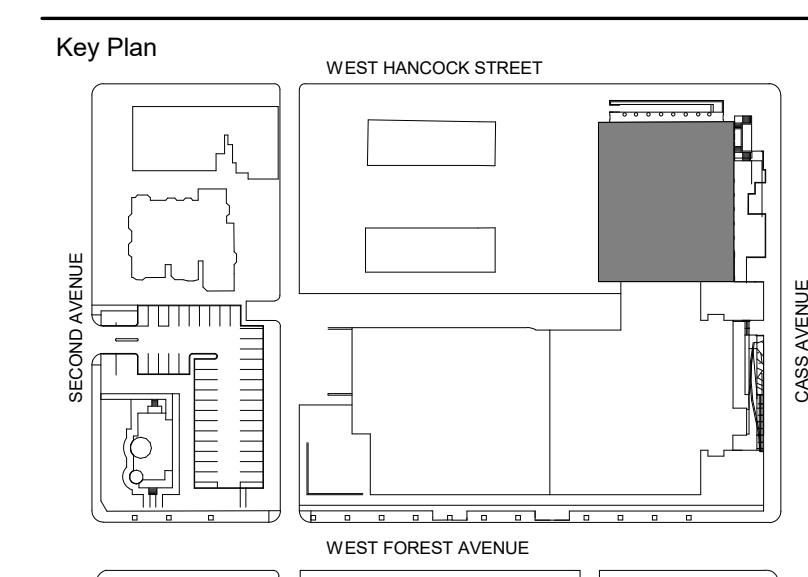
KEYNOTES:
 1. FIRE SPRINKLER CONTRACTOR SHALL MODIFY THE EXISTING FIRE SPRINKLER SYSTEM AS REQUIRED IN RENOVATED SPACES TO MEET THE REQUIREMENTS OF NFPA AND ALL LOCAL CODES. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL SPECIFIC SPACES/ROOMS THAT ARE BEING MODIFIED OR RE-CLASSIFIED.
 2. REVISE EXISTING FIRE PROTECTION SYSTEM IN LOBBY TO MATCH NEW CEILING SYSTEM AND SOFFITTING SHOWN ON ARCHITECTURAL DRAWINGS.
 3. PROVIDE FIRE SPRINKLER(S) IN ELEVATOR SHAFT AS REQUIRED BY LOCAL CODE(S)



1 LEVEL ONE PLAN - SECTOR A - FIRE PROTECTION
 3/32" = 1'-0"

- | | |
|---------------------|---|
| Owner | Wayne State University FP&M
5454 Cass Ave
Detroit, MI 48202
313.577.2424 |
| Contractor | Walbridge
777 Woodward Ave. Suite 300
Detroit, MI 48202
313.963.8000 |
| Executive Architect | Hamilton Anderson
1435 Randolph Street, Suite 200
Detroit, MI 48226
313.964.0270 |
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| Civil Engineer | Spalding DeDecker
905 South Blvd East
Rochester Hills, MI 48307
800.598.1600 |
| Landscape Architect | Hamilton Anderson
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313.964.0270 |
| Theatrical | Auerbach Pollock Friedlander
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| Lighting | Auerbach Glasow
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San Francisco, CA 94111
415.392.7528 |
| Acoustics / AV | Jaffe Holden
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203.838.4188 |

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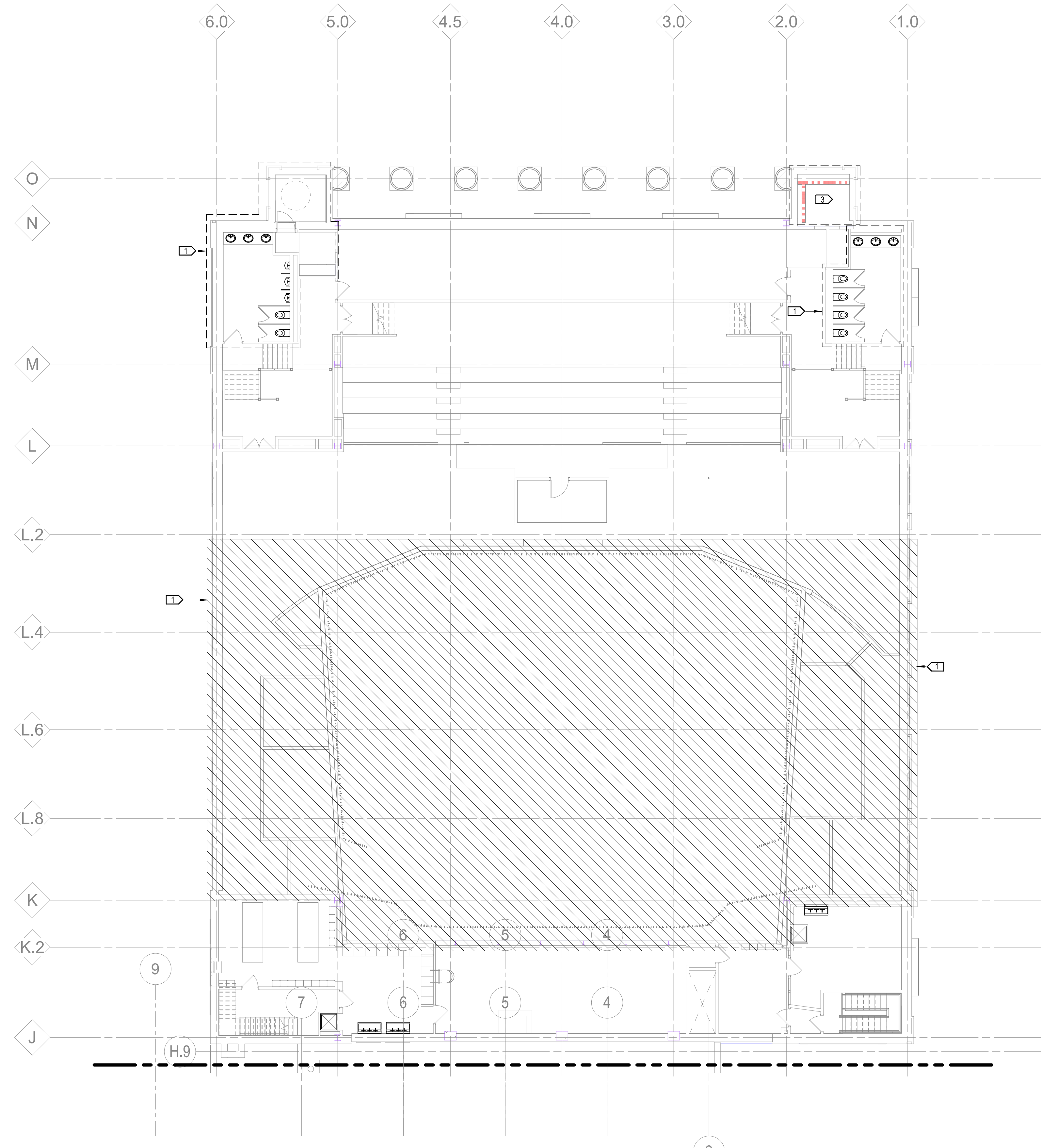
Project
**WSU - GATEWAY
 THEATER COMPLEX**
 WSU PROJECT NO. 189-178578
 Drawing Title
**LEVEL ONE - SECTOR
 A - FIRE PROTECTION**

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: As indicated
 Seal:

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Signature:
 Drawing No:

F1.1A

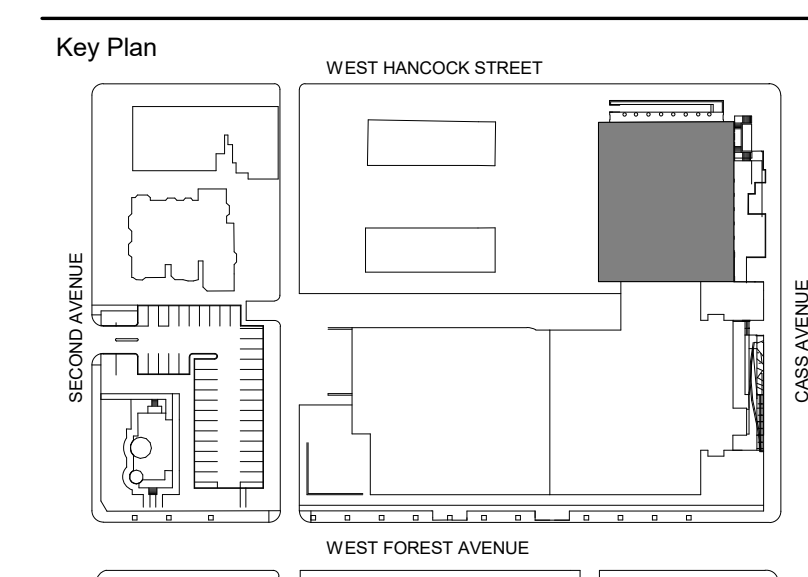


1 LEVEL TWO PLAN - SECTOR A - FIRE PROTECTION
 3/32" = 1'-0"

KEYNOTES:
 1. FIRE SPRINKLER CONTRACTOR SHALL MODIFY THE EXISTING FIRE SPRINKLER SYSTEM AS REQUIRED IN RENOVATED SPACES TO MEET THE REQUIREMENTS OF NFPA AND ALL LOCAL CODES. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL SPECIFIC SPACES/ROOMS THAT ARE BEING MODIFIED OR RE-CLASSIFIED.
 2. PROVIDE FIRE SPRINKLER(S) IN ELEVATOR SHAFT AS REQUIRED BY LOCAL CODE(S)

- | | |
|---------------------|---|
| Owner | Wayne State University FP&M
5454 Cass Ave
Detroit, MI 48202
313.577.2424 |
| Contractor | Walbridge
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Detroit, MI 48202
313.963.8000 |
| Executive Architect | Hamilton Anderson
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905 South Blvd East
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800.598.1600 |
| Landscape Architect | Hamilton Anderson
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Detroit, MI 48226
313.964.0270 |
| Theatrical | Auerbach Pollock Friedlander
286 West 37th Street
New York, NY 10018
212.764.5630 |
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Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
LEVEL TWO - SECTOR A - FIRE PROTECTION

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: As indicated
 Seal:

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Signature:
 Drawing No:

F1.2A

Owner: Wayne State University FP&M
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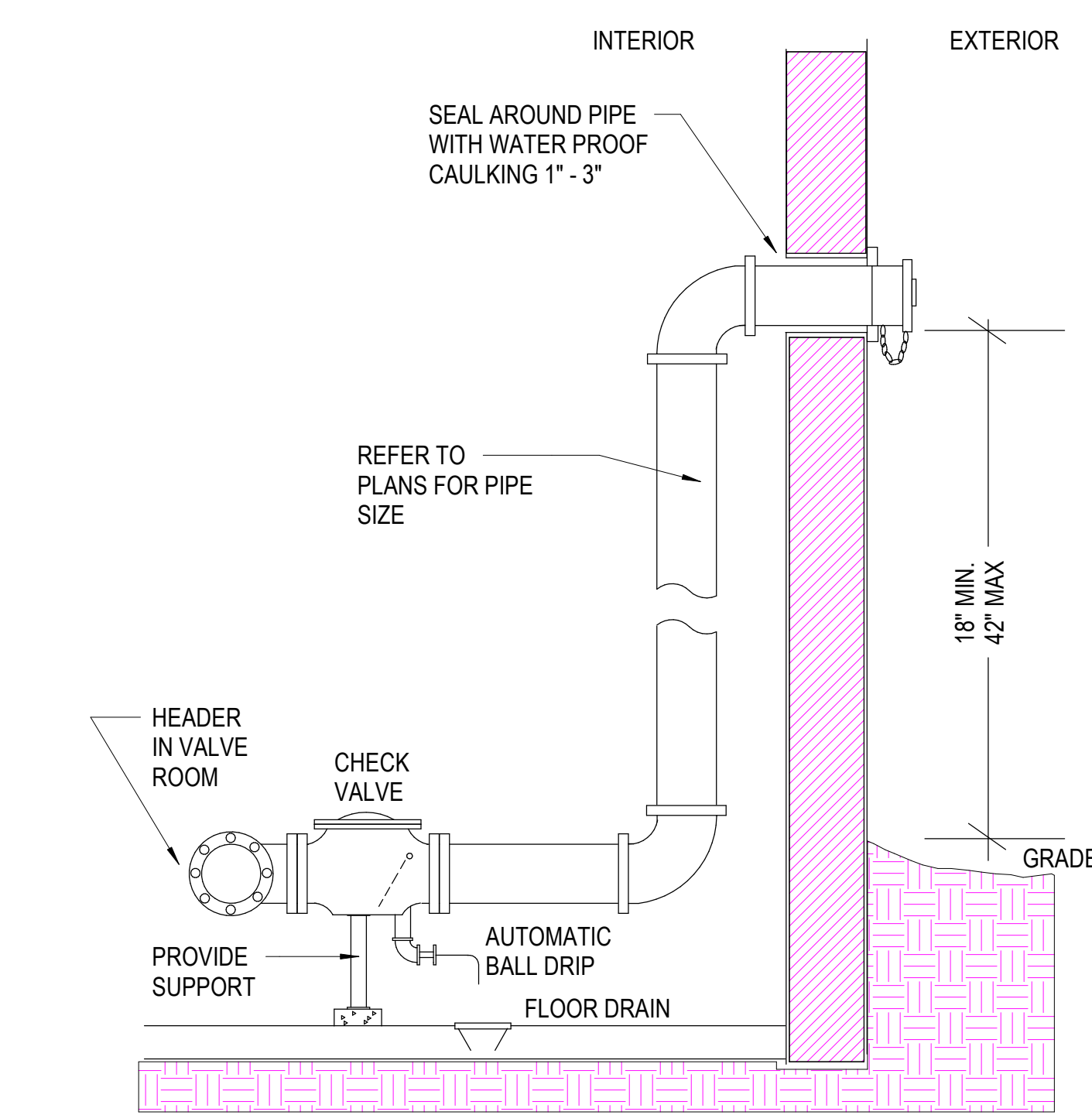
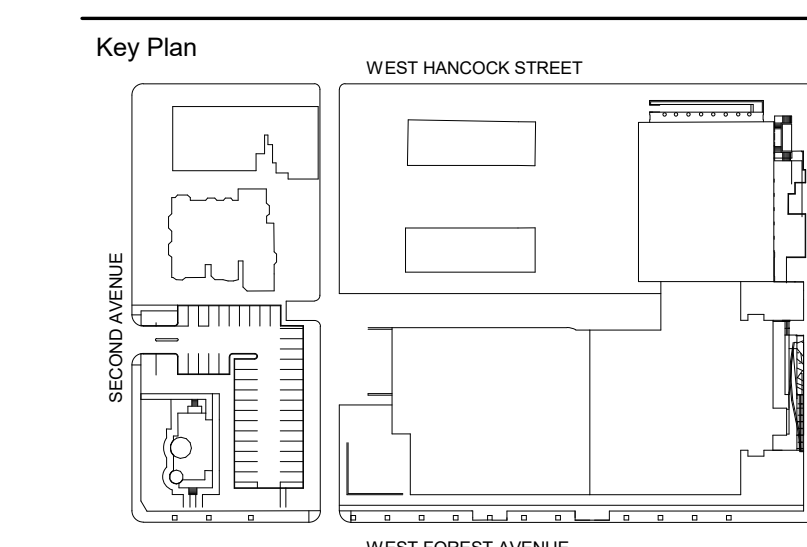
Landscape Architect: Hamilton Anderson
1435 Randolph Street, Suite 200
Detroit, MI 48226
313.964.0270

Theatrical: Auerbach Pollock Friedlander
280 West 37th Street
New York, NY 10018
212.764.5630

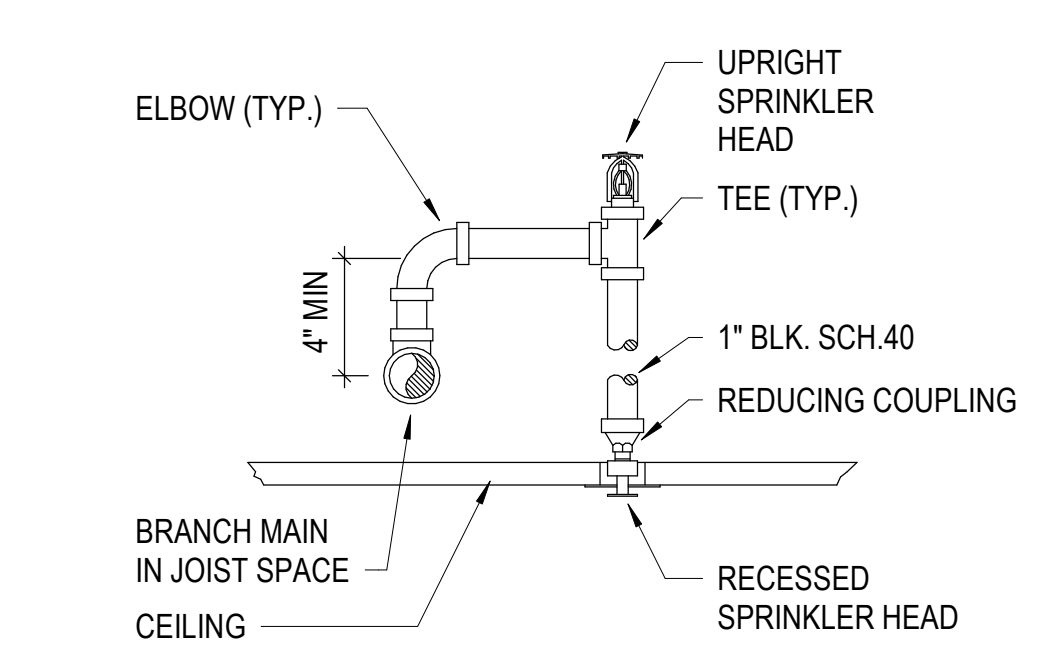
Lighting: Auerbach Glasow
1045 Sansome Street, Suite 300
San Francisco, CA 94111
415.392.7528

Acoustics / AV: Jaffe Holden
114-A Washington Street
Norwalk, CT 06864
203.838.4168

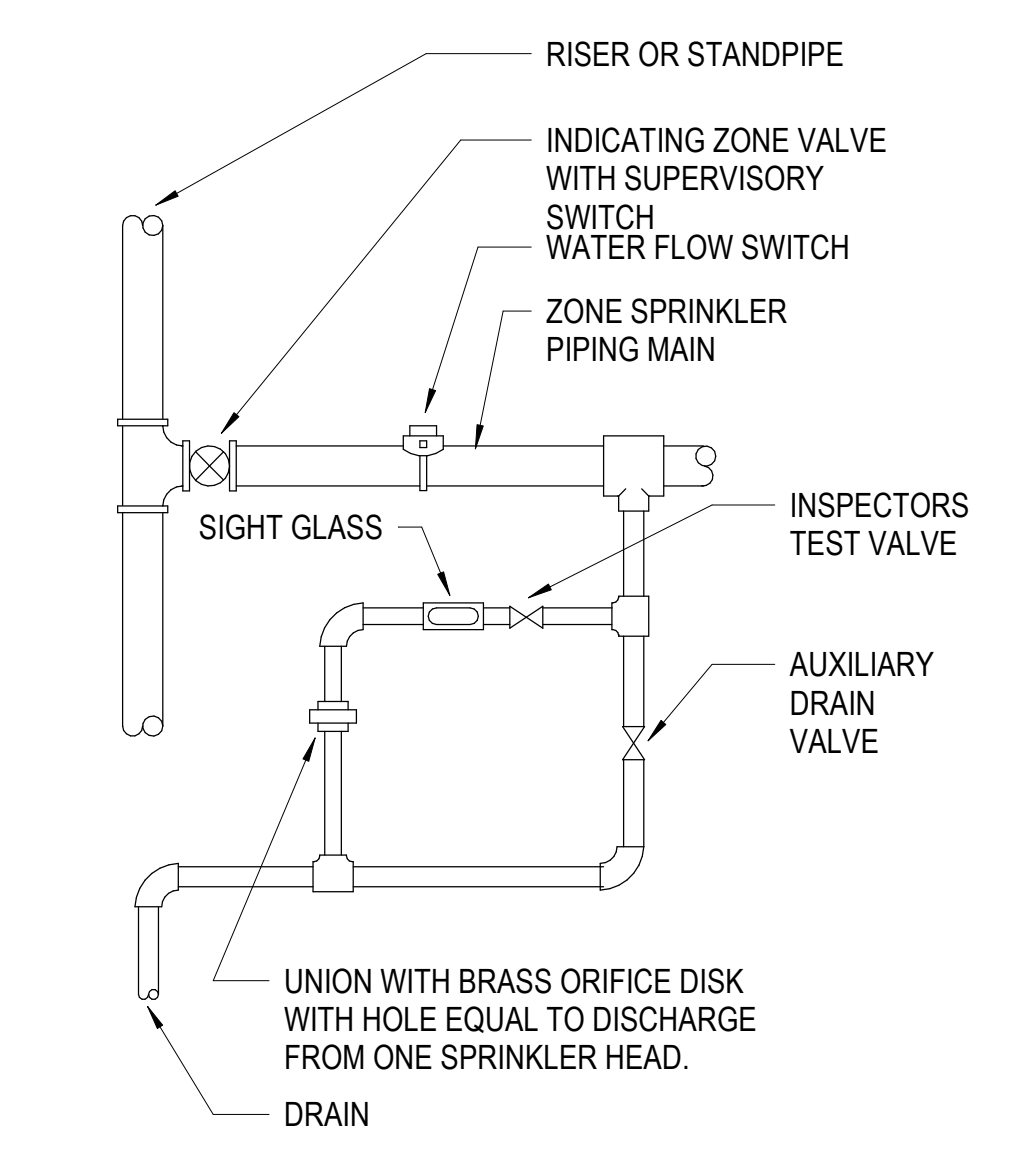
DETROIT, MI



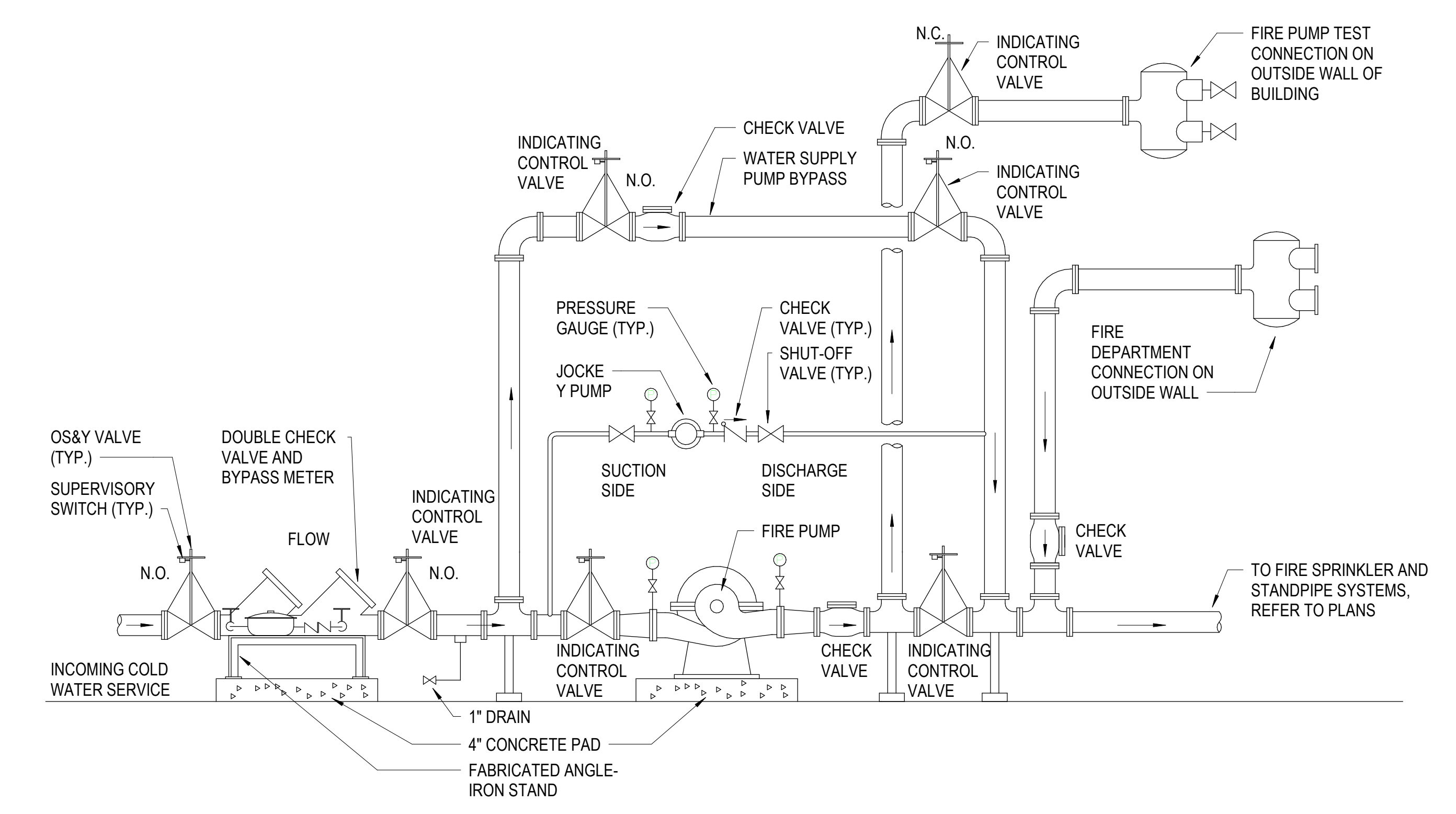
3 FIRE DEPARTMENT CONNECTION
1/8" = 1'-0"



2 FIRE SPRINKLER HEAD INSTALLATION DETAIL
1" = 1'-0"



1 FIRE SPRINKLER ZONE VALVE ASSEMBLY
1" = 1'-0"



4 FIRE PUMP
1" = 1'-0"

FIRE AND JOCKEY PUMP SCHEDULE (FP / JP)																			
UNIT TAG	LOCATION	SYSTEM DESIGN PRESSURES		PUMP TYPE	PUMP DESIGN			MOTOR			ELECTRICAL			BASIS OF DESIGN		COMMENTS			
		MINIMUM SUCTION PRESSURE (PSIG)	DISCHARGE PRESSURE (PSIG)		CAPACITY (GPM)	HEAD AT 100% (PSIG)	HEAD AT 150% (PSIG)	QTY	HP	RPM	SUCT (IN.)	DISCH (IN.)	VOLTAGE	PHASE	EMERGENCY POWER		MANUFACTURER	MODEL	
HILBERRY - FP-1	LOWER LEVEL WATER ROOM	35	125	HORIZONTAL SPLITCASE	500	125	110		60	3560	3"	4"					PROVIDE WITH SOFT START, STEEL BASE. BRONZE FITTED WITH CAST IRON CASING. PROVIDE ALL REQUIRED FITTINGS AND ACCESSORIES TO MEET THE REQUIREMENTS OF FM GLOBAL AND NFPA.		
HILBERRY - FP-1 CONTROL PANEL	LOWER LEVEL WATER ROOM															YES	PENTAIR AURORA	FTA-1930	PROVIDE WITH SOLID-STATE TRANSFER SWITCH, NEMA TYPE 2 ENCLOSURE
HILBERRY - JP-1	LOWER LEVEL WATER ROOM	35	145	IN-LINE	10	120	80	2	3450	1-1/2"	1-1/2"					YES	PENTAIR AURORA	PVM1-15	PROVIDE WITH NON-MERCURY PRESSURE SWITCH TRANSDUCER, ALL NECESSARY PIPE FITTINGS, AND ACCESSORIES REQUIRED TO THE REQUIREMENTS OF FM GLOBAL AND NFPA.
HILBERRY - JP-1 CONTROL PANEL	LOWER LEVEL WATER ROOM															YES	FIRETRAO	FTA650F	PROVIDE WITH SOFT START, STEEL BASE. BRONZE FITTED WITH CAST IRON CASING
VALADE - FP-2	VALADE BLDG. BOILER ROOM	35	74	HORIZONTAL SPLITCASE	500	95	74		20	1770	4"	5"				YES	PENTAIR AURORA	FTA-4-481-11A	PROVIDE WITH SOFT START, STEEL BASE. BRONZE FITTED WITH CAST IRON CASING. PROVIDE ALL REQUIRED FITTINGS AND ACCESSORIES TO MEET THE REQUIREMENTS OF FM GLOBAL AND NFPA.
VALADE - FP-2 CONTROL PANEL	VALADE BLDG. BOILER ROOM															YES	PENTAIR AURORA	FTA-1930	PROVIDE WITH SOLID-STATE TRANSFER SWITCH, NEMA TYPE 2 ENCLOSURE
VALADE - JP-2	VALADE BLDG. BOILER ROOM	35	74	IN-LINE	10	105	80	1	3500	1-1/4"	1-1/4"					YES	PENTAIR AURORA	PVM1-8	PROVIDE WITH NON-MERCURY PRESSURE SWITCH TRANSDUCER, ALL NECESSARY PIPE FITTINGS, AND ACCESSORIES REQUIRED TO THE REQUIREMENTS OF FM GLOBAL AND NFPA.
VALADE - JP-2 CONTROL PANEL	VALADE BLDG. BOILER ROOM															YES	FIRETRAO	FTA650F	PROVIDE WITH SOFT START, STEEL BASE. BRONZE FITTED WITH CAST IRON CASING

100% DESIGN DEVELOPMENT FEB. 6, 2019

Project

WSU - GATEWAY THEATER COMPLEX
WSU PROJECT NO. 189-178578
Drawing Title
FIRE PROTECTION SCHEDULES AND DETAILS

Project Number: 3995-001-00
Drawn By: Designer
Scale: As indicated
Seal:

Signature: _____
Drawing No:

F7.0

FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

Owner: Wayne State University FP&M
 5454 Cass Ave
 Detroit, MI 48202
 313.577.2424

Contractor: Walbridge
 777 Woodward Ave. Suite 300
 Detroit, MI 48202
 313.963.8000

Executive Architect: Hamilton Anderson
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Design Architect: HGA
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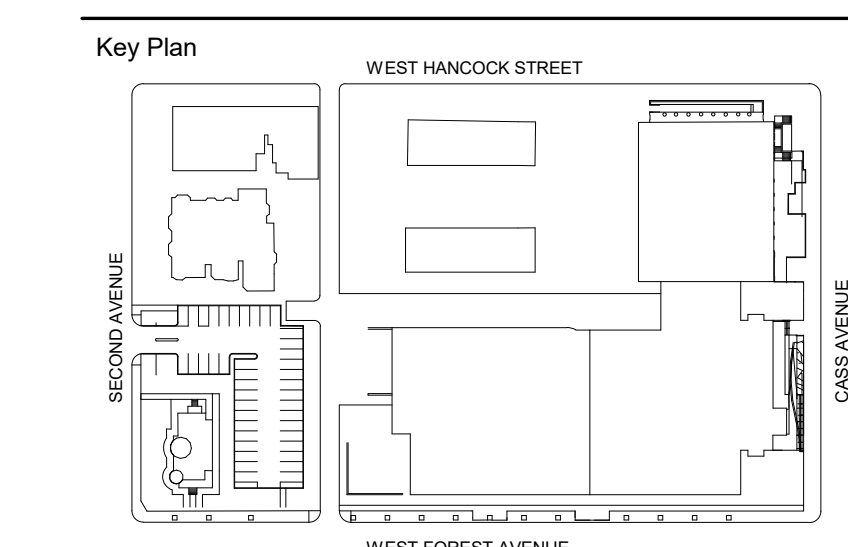
Landscape Architect: Hamilton Anderson
 1435 Randolph Street, Suite 200
 Detroit, MI 48226
 313.964.0270

Theatrical: Auerbach Pollock Friedlander
 285 West 37th Street
 New York, NY 10018
 212.764.5630

Lighting: Auerbach Glasow
 1045 Sansome Street, Suite 300
 San Francisco, CA 94111
 415.392.7528

Acoustics / AV: Jaffe Holden
 114-A Washington Street
 Norwalk, CT 06864
 203.838.4188

DETROIT, MI



100% DESIGN DEVELOPMENT	FEB. 06, 2019
Project	
Project Number:	3995-001-00
Drawn By:	Designer
Scale:	1" = 1'-0"
Seal:	

WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
PLUMBING GENERAL NOTES AND SYMBOLS

Signature: _____
 Drawing No: _____

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P0.0

ABBREVIATIONS			
A	ADJ ADJUSTABLE	F	F FARENHEIT
AFF ABOVE FINISHED FLOOR	FDC FIRE DEPT CONNECTION	OA O OUTSIDE AIR	O OUTSIDE DIAMETER/DIMENSION
AFMS AIRFLOW MEASURING STATION	FFE FINISHED FLOOR ELEVATION	OD O OUTSIDE DIAMETER/DIMENSION	
AHU AIR HANDLING UNIT	FLR FLOOR	P	P PRESSURE DROP
ALT ALTERNATE	FLEX FLEXIBLE	PLBG PLUMBING	P PLUMBING
AP ACCESS PANEL(S)	FPN FEET PER MINUTE	PPM PARTS PER MILLION	P PARTS PER MILLION
APD AIR PRESSURE DROP	FPB FAN POWERED VAV BOX	PRES PRESSURE	P PRESSURE
ARCH ARCHITECT(URAL)	F&T FLOAT AND THERMOSTATIC (TRAP)	PSI POUNDS PER SQUARE INCH	P POUNDS PER SQUARE INCH
	FT FOOT FEET	PVC POLYVINYL CHLORIDE	P POLYVINYL CHLORIDE
	FTG FOOT FEET		
	FTR FINNED TUBE RADIATION	R	R RADIUS
B	BAS BUILDING AUTOMATION SYSTEM	RA RETURN AIR	R RETURN AIR
BHP BRAKE HORSE POWER		REG REGISTER	R REGISTER
BLDG BUILDING		REQD REQUIRED	R REQUIRED
BTUH BRITISH THERMAL UNIT	G	RH RELATIVE HUMIDITY	R RELATIVE HUMIDITY
BWV BACK WATER VALVE	GA GAUGE	RM ROOM	R ROOM
	GAL GALLON	RO REVERSE OSMOSIS	R REVERSE OSMOSIS
C	CD CONDENSATE	RPM REVOLUTIONS PER MINUTE	R REVOLUTIONS PER MINUTE
CFH CUBIC FOOT PER HOUR	GALV GALVANIZED	RPZ REDUCED PRESSURE BACKFLOW PREVENTER	R REDUCED PRESSURE BACKFLOW PREVENTER
CFM CUBIC FOOT PER MINUTE	GEN GENERATOR		
CIP CAST IRON PIPE	GPH GALLON(S) PER HOUR		
CLG CEILING	GPM GALLON(S) PER MINUTE		
CO CARBON MONOXIDE		H	H HOSE BIB
CO2 CARBON DIOXIDE		HB HOSE BIB	H HOSE BIB
COMB COMBINATION		HP HIGH PRESSURE	H HIGH PRESSURE
CONC CONCRETE		HP HORSEPOWER	H HORSEPOWER
COND CONDENS(ATE) (ER)		HTG HEATING	H HEATING
CONN CONNECTION		HTR HEATER	H HEATER
CONT CONTINUE(US) (ATION)		HVAC HEATING, VENTILATION AND AIR CONDITIONING	H HEATING, VENTILATION AND AIR CONDITIONING
CONTR CONTRACT(OR)			
CORR CORRIDOR		I	I INSIDE DIAMETER/DIMENSION
		ID INCHES	I INCHES
D	DB DRY BULB	INSUL INSULATION	I INSULATION
DDC DIRECT DIGITAL CONTROL (PANEL)		INV INVERT	I INVERT
DEG DEGREE(S)		ISOL ISOLATOR	I ISOLATOR
DET DETAIL			
DIFF DEIONIZED WATER	L		
DIFL DIFFUSER	LAT LEAVING AIR TEMPERATURE		
DMPR DAMPER	LBS/HR POUNDS PER HOUR		
DN DOWN	LF LINEAL FOOT, FEET		
DP DIFFERENTIAL PRESSURE	LVR LOUVER		
DWG(S) DRAWING(S)	LWT LEAVING WATER TEMPERATURE		
		M	M MAXIMUM
E	EA EACH	MAX MAXIMUM	M MAXIMUM
EA EXHAUST AIR	MBH 1000 BTUH	MECH MECHANICAL(LY)	M MECHANICAL(LY)
EAT ENTERING AIR TEMPERATURE	MEZZ MEZZANINE	MFR MANUFACTURER	M MANUFACTURER
ELEC ELECTRICAL			
EMER EMERGENCY			
ESP EXTERNAL STATIC PRESSURE			
EWT ENTERING WATER TEMPERATURE			
EXG EXISTING			
EXH EXHAUST			
EXT EXTERIOR			
		N	N NOISE CRITERIA
		NC NOT IN CONTRACT	N NOT IN CONTRACT
		NO NUMBER	N NUMBER
		NTS NOT TO SCALE	N NOT TO SCALE

PLUMBING & FIRE PROTECTION GENERAL NOTES

- IN ALL AREAS WITH EXPOSED CEILINGS, SPECIAL CARE MUST BE TAKEN IN THE INSTALLATION OF PIPING AND ANY OTHER MECHANICAL / PLUMBING EQUIPMENT. LAYOUTS MUST BE ARRANGED TO COMPLEMENT THE AESTHETICS OF THE SPACE. REFER ALSO TO ARCHITECTURAL DRAWINGS, SPECIFICATIONS, AND COORDINATION REQUIREMENTS FOR FURTHER INFORMATION FOR AESTHETIC INTENTS AND PAINTING REQUIREMENTS IN EXPOSED AREAS.
- CAREFULLY COORDINATE ALL PIPING, FIRE PROTECTION, EQUIPMENT, CONTROLS, SUPPORTS, ETC. TO SUPPORT ACCESS, SERVICE, INSTALLATION AND MAINTENANCE OF EQUIPMENT, DEVICES, VALVES, CONTROLS, ETC. REFER ALSO TO COORDINATION REQUIREMENTS IN DRAWINGS AND SPECIFICATIONS.
- REFER TO ARCHITECTURAL PLANS AND OTHER AREAS OF THE PLANS AND SPECIFICATIONS FOR ACOUSTICALLY SENSITIVE SPACES, WALLS AND WALL DESIGNATIONS. REFER TO ARCHITECTURAL AND MECHANICAL SPECIFICATIONS AND DETAILS FOR APPROPRIATE PENETRATIONS.
- PIPING SHALL BE INSULATED TO AT LEAST MINIMUM INSULATION LEVELS REQUIRED IN THE MOST CURRENT MICHIGAN ENERGY CODE AT THE TIME OF THE BIDDING.
- STORMWATER PIPING REQUIRES 2" OF INSULATION AT LEAST A MINIMUM OF 10' FROM ANY EXTERIOR WALL PENETRATIONS - DRAINS OR OVERFLOWS. REFER ALSO TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- ACCESS PANELS ARE INDICATED ON ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. ANY EQUIPMENT, VALVES, FIELD DEVICES, ETC. NEEDING AN ACCESS PANEL NOT INDICATED ON THE DRAWINGS SHALL ALSO BE PROVIDED AND SUBMITTED TO THE ARCHITECT FOR APPROVAL OF PANEL SIZE, DETAIL, AND PANEL LOCATION PRIOR TO INSTALLATION OF ITEM REQUIRING ACCESS.
- MOUNTING HEIGHTS OF ANY WALL DEVICES REQUIRE FINAL LOCATION AND ELEVATION COORDINATED WITH ARCHITECTURE. REFER ALSO TO INTERIOR ELEVATIONS AND FURNITURE PLANS FOR DETAILS.
- WHERE CONNECTING TO EXISTING SYSTEMS OR RECONFIGURING EXISTING SYSTEMS, MEASURE AND DOCUMENT PERFORMANCE OF IMPACTED SYSTEMS AT COMPLETION WORK AND BALANCE / ADJUST PERFORMANCE TO MEET CONDITIONS PRESENT PRIOR TO WORK.

FIRE PROTECTION NOTES

- CONTRACTOR TO PREPARE AND SUBMIT FOR ENGINEER'S APPROVAL SIGNED FIRE PROTECTION HYDRAULIC CALCULATIONS, EQUIPMENT DATA SHEETS AND MAINTENANCE & OPERATION MANUALS.
- ALLOW FOR 10% MORE SPRINKLERS THAT CODE MINIMUM FOR FLEXIBILITY IN ARRANGEMENT AND PATTERN.
- ALLOW FOR ADDITIONAL SPRINKLERS TO COORDINATE WITH OBSTRUCTIONS CREATED BY INSTALLED MEP SYSTEMS (DUCTWORK, CABLE TRAYS, ETC.) AS REQUIRED BY NFPA-13.

GENERAL SHEET ANNOTATIONS	
	EQUIPMENT TAG
	EQUIPMENT TYPE
	PLUMBING FIXTURE TAG
	SECTION SYMBOL
	SHEET LOCATION
	CALLOUT SYMBOL
	CALLOUT NUMBER
	SHEET LOCATION
	3D VIEW NUMBER
	SHEET LOCATION
	3D VIEW ISOMETRIC SYMBOL

GENERAL SYMBOLS

	CONNECT TO EXISTING
	KEY NOTE
	REVISION TRIANGLE
	DATUM
	BREAK SYMBOL
	FLOOR DRAIN
	FLOOR SINK
	TRENCH DRAIN
	ROOF DRAIN
	DEMOLISH EXISTING DUCT, PIPE OR EQUIPMENT INCLUDING SUPPORTS, ACCESSORIES AND RELATED CONTROLS AND COMPONENTS

PLUMBING PIPING SYMBOLS	
	ELBOW DOWN
	ELBOW UP
	TEE DOWN
	TEE UP
	CONNECTION
	CONNECTION (TOP)
	CONNECTION (BOTTOM)
	FLOW DIRECTION
	SHUT-OFF VALVE
	BALANCING VALVE
	AUTOMATIC FLOW CONTROL VALVE
	VALVE IN VERTICAL PIPE
	CHECK VALVE (FLOW DIRECTION INDICATED)
	2-WAY MODULATING CONTROL VALVE
	3-WAY MODULATING CONTROL VALVE
	2-WAY, 2-POSITION CONTROL VALVE
	3-WAY, 2-POSITION CONTROL VALVE
	PRESSURE REDUCING VALVE
	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
	RELIEF VALVE (ELEVATION)
	RELIEF VALVE (PLAN VIEW)
	FLOW MEASURING DEVICE
	STRAINER
	STRAINER W/ BLOWDOWN VALVE
	EXPANSION JOINT
	FLEXIBLE CONNECTION
	UNION
	PIPE ANCHOR
	PIPE GUIDE
	MANUAL AIR VENT
	ECCENTRIC REDUCER
	CONCENTRIC REDUCER
	SENSOR WELL
	TEST PLUG
	THERMOMETER
	PRESSURE GAUGE
	TEMPERATURE GAUGE
	PITCH PIPE DOWN
	STEAM TRAP
	CLEANOUT
	HOSE BIBB OR WALL HYDRANT

PLUMBING PIPING SYSTEMS

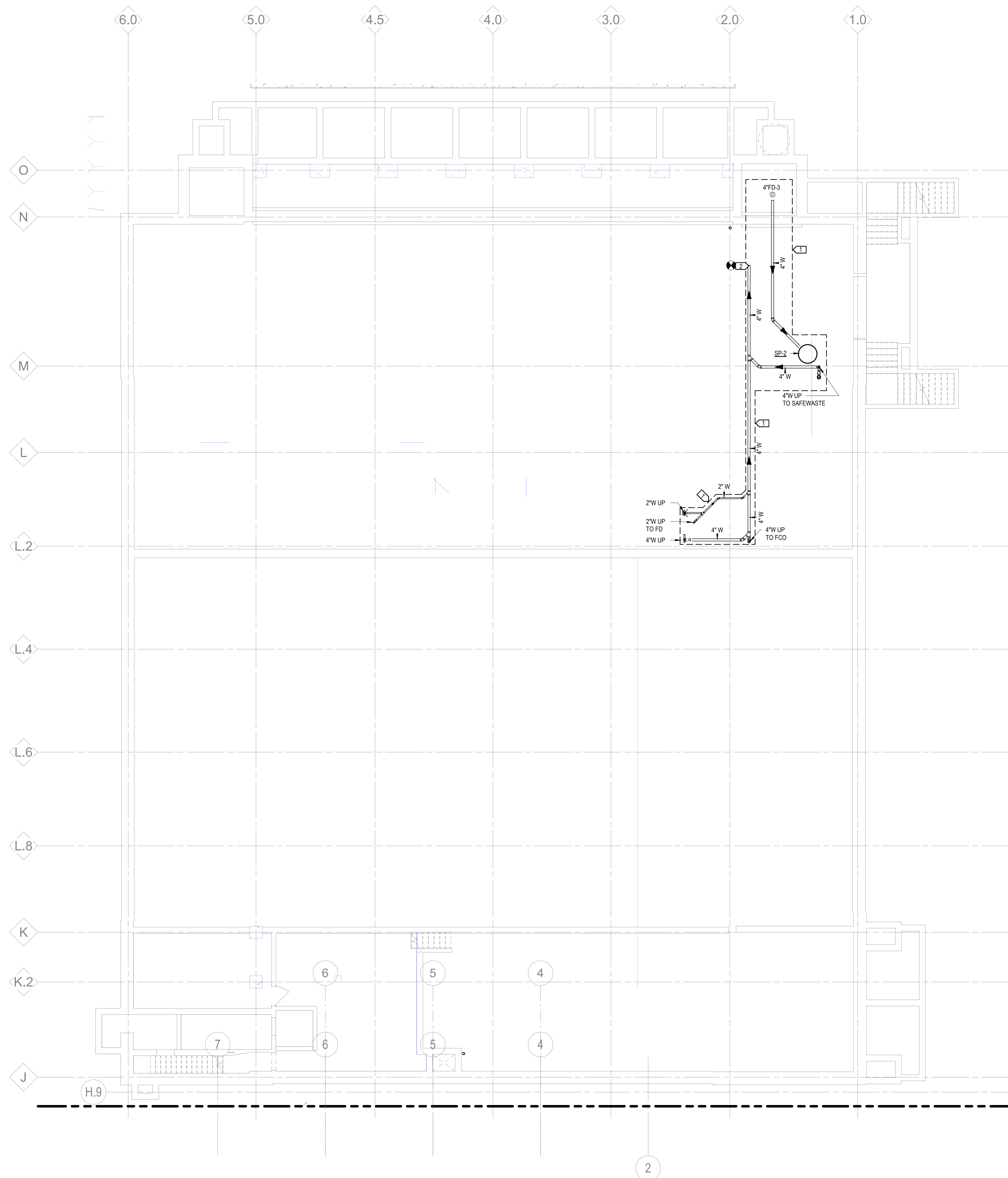
	COLD WATER (DCW)
	HOT WATER (DHW)
	RECIRCULATING HOT WATER (DRHW)
	SANITARY WASTE
	NON-POTABLE WATER
	PUMPED WASTE (SEWAGE FORCE MAIN)
	VENT
	SPECIAL VENT
	ACID WASTE
	ACID VENT
	INFLAMMABLE VENT
	STORM WATER/RAIN WATER
	OVERFLOW STORM WATER/RAIN WATER
	PUMPED STORM (SEWAGE FORCED MAIN)
	DRAIN
	NATURAL GAS
	DRAIN TILE
	REVERSE OSMOSIS WATER

PLUMBING AND FIRE PROTECTION SHEET LIST

SHEET NUMBER	SHEET NAME
P0.0	PLUMBING GENERAL NOTES AND SYMBOLS
P0.0A	UNDERGROUND PLAN - SECTOR A - PLUMBING
P0.0B	UNDERGROUND PLAN - SECTOR B - PLUMBING
P0.0C	UNDERGROUND PLAN - SECTOR C - PLUMBING
P1.0A	LOWER LEVEL PLAN - SECTOR A - PLUMBING
P1.0B	LOWER LEVEL PLAN - SECTOR B - PLUMBING
P1.1A	LEVEL ONE - SECTOR A - PLUMBING
P1.1B	LEVEL ONE PLAN - SECTOR B - PLUMBING
P1.1C	LEVEL ONE PLAN - SECTOR C - PLUMBING
P1.2A	LEVEL TWO - SECTOR A - PLUMBING
P1.2B	LEVEL TWO PLAN - SECTOR B - PLUMBING
P1.2C	LEVEL TWO PLAN - SECTOR C - PLUMBING
P1.4B	ROOF PLAN - SECTOR B - PLUMBING
P1.4C	ROOF PLAN - SECTOR C - PLUMBING
P7.0	PLUMBING DETAILS
P7.1	PLUMBING DETAILS
P8.0	PLUMBING SCHEDULES
P8.1	PLUMBING SCHEDULES

NOTES:
 REFER ALSO TO EM8.0 & EM8.1 IN ELECTRICAL DRAWINGS FOR MORE INFORMATION

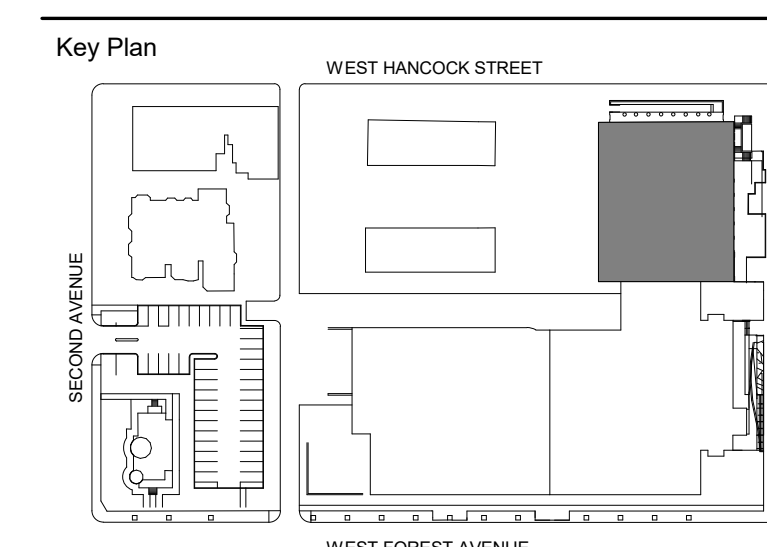
KEYNOTES:
 1. SAWCUT EXISTING FLOOR AS NECESSARY TO INSTALL NEW WASTE PIPING AND SUMP PUMP. FIELD VERIFY EXACT LOCATION OF EXISTING UNDERFLOOR PLUMBING.
 2. MAKE 4" WASTE CONNECTION TO EXISTING PLUMBING. CONTRACTOR TO SCOPE AND FIELD VERIFY CONNECTION TIE-IN LOCATION.



1 UNDERGROUND PLAN - SECTOR A - PLUMBING
 1/8" = 1'-0"

- Owner: Wayne State University FP&M
 5454 Cass Ave
 Detroit, MI 48202
 313.577.2424
- Contractor: Walbridge
 777 Woodward Ave. Suite 300
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 313.963.8000
- Executive Architect: Hamilton Anderson
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 248.392.2010
- Civil Engineer: Spalding DeDecker
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 212.764.5630
- Lighting: Auerbach Glasow
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 San Francisco, CA 94111
 415.392.7528
- Acoustics / AV: Jaffe Holden
 114-A Washington Street
 Norwalk, CT 06864
 203.836.4168

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Project
**WSU - GATEWAY
 THEATER COMPLEX**
 WSU PROJECT NO. 189-178578
 Drawing Title
**UNDERGROUND PLAN
 - SECTOR A -
 PLUMBING**

Project Number: 3995-001-00

Drawn By: Designer

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

Seal:

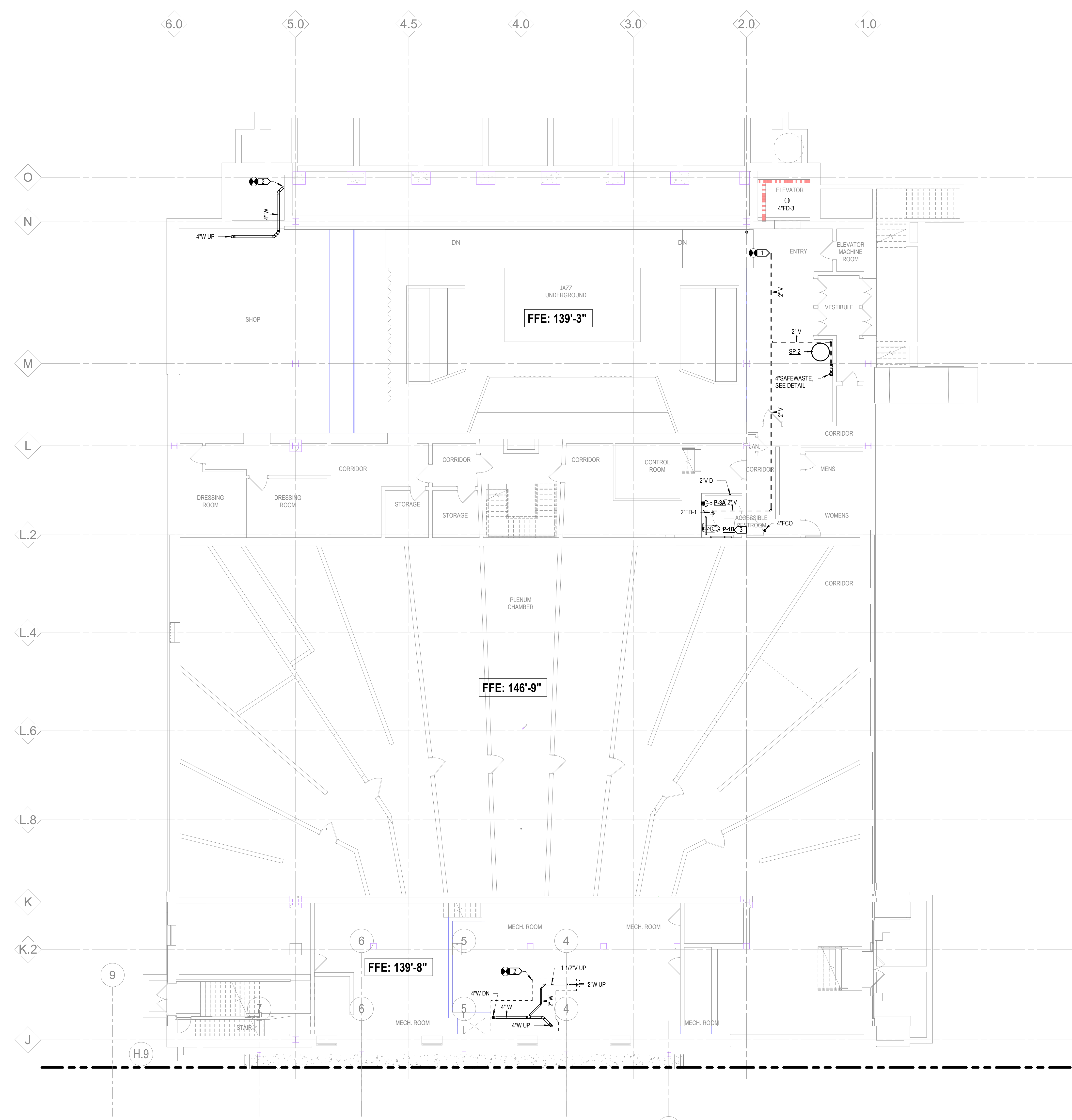
Signature: _____

Drawing No:

P0.0A

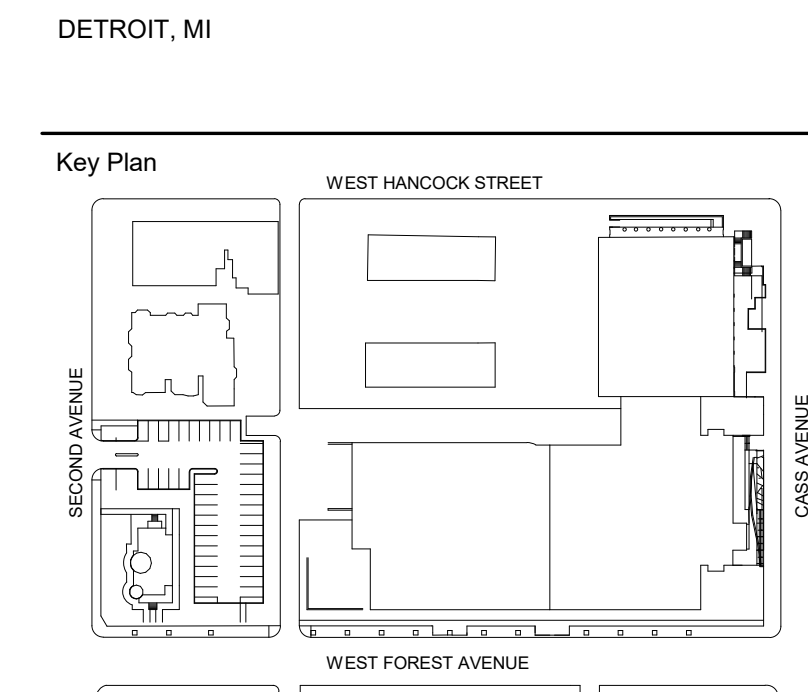
FOR REFERENCE ONLY -
 NOT FOR CONSTRUCTION

KEYNOTES:
 1. MAKE 2" VENT CONNECTION TO EXISTING VENT. CONTRACTOR TO FIELD VERIFY EXACT CONNECTION IN LOCATION.
 2. EXTEND 4" WASTE TO LOCATION WHERE IT CAN BE CONNECTED TO AN EXISTING 4" WASTE OR LARGER. CONTRACTOR TO FIELD VERIFY CONNECTION IN LOCATION.
 3. FIXTURE: SLOAN MODEL NO. ST-2020, 1.28 GPF TOILET SYSTEM WITH FLOOR SET WATER CLOSET, WHITE VITREOUS CHINA ELONGATED BOWL, WATER CLOSET AND TOP SPUD CONNECTION, 1.28 GPF, ADA COMPLIANT.
 VALVE: SLOAN FLUSH VALVE MODEL NOROYAL 111 ESS HARDWIRED 1.28-OR-HW SENSOR FLUSH VALVE WITH MANUAL OVERRIDE BUTTON 1.28 GPF AND POLISHED CHROME FINISH, ADA COMPLIANT.
 SEAT: CHURCH MODEL NO. 2855CC OPEN FRONT SEAT LESS COVER, ELONGATED, SOLID PLASTIC, EXTERNAL STAINLESS STEEL SELF-SUSTAINING HINGES.



1 LOWER LEVEL PLAN - SECTOR A - PLUMBING
 1/8" = 1'-0"

- Owner: Wayne State University FP&M
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- Civil Engineer: Spalding DeDecker
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 800.598.1600
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 212.764.5630
- Lighting: Auerbach Glasow
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 415.392.7528
- Acoustics / AV: Jaffe Holden
 114-A Washington Street
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 203.838.4168



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Project
**WSU - GATEWAY
 THEATER COMPLEX**
 WSU PROJECT NO. 189-178578
 Drawing Title
**LOWER LEVEL PLAN -
 SECTOR A -
 PLUMBING**

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: 1/8" = 1'-0"
 Seal:

Signature: _____
 Drawing No:

P1.0A

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KEYNOTES:
 1. MAKE 2" VENT CONNECTION TO EXISTING VENT. CONTRACTOR TO FIELD VERIFY EXACT CONNECTION/TIE-IN LOCATION.
 2. UNDER A/D ALTERNATE PROVIDE NEW SINK, MAKE CONNECTIONS TO EXISTING WASTE, VENT AND WATER. CONTRACTOR TO FIELD VERIFY CONNECTION/TIE-IN LOCATIONS.
 3. PROVIDE NEW FIXTURES AS INDICATED. MAKE CONNECTIONS TO EXISTING WASTE, VENT AND WATER. CONTRACTOR TO FIELD VERIFY CONNECTION/TIE-IN LOCATIONS.

Owner: Wayne State University FP&M
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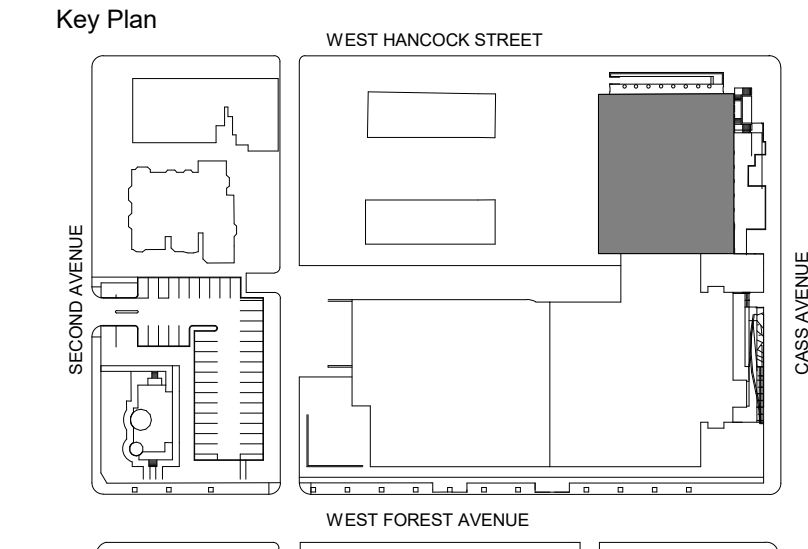
Landscape Architect: Hamilton Anderson
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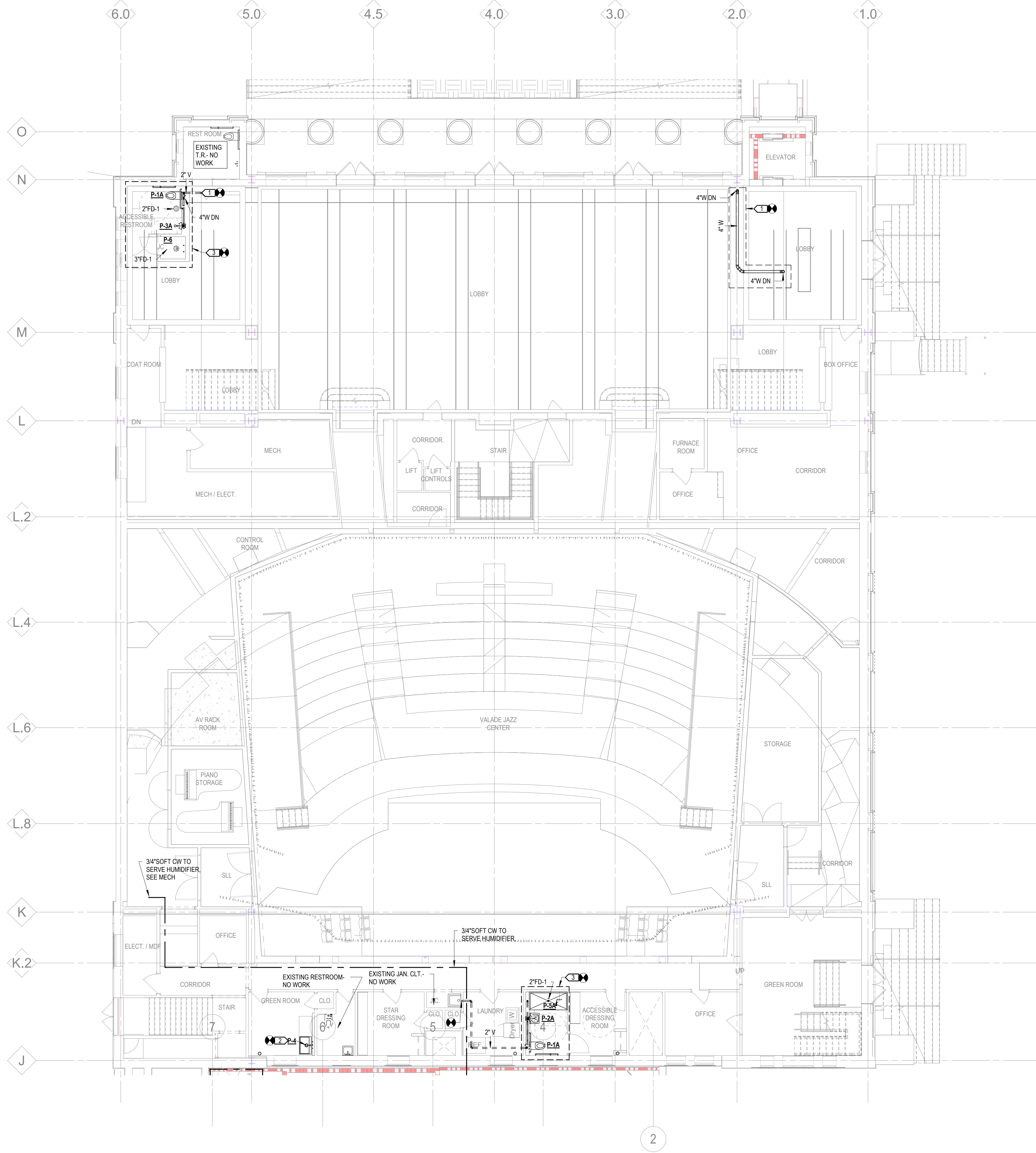
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Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
LEVEL ONE - SECTOR A - PLUMBING

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: 1/8" = 1'-0"
 Seal:

Signature: _____
 Drawing No:

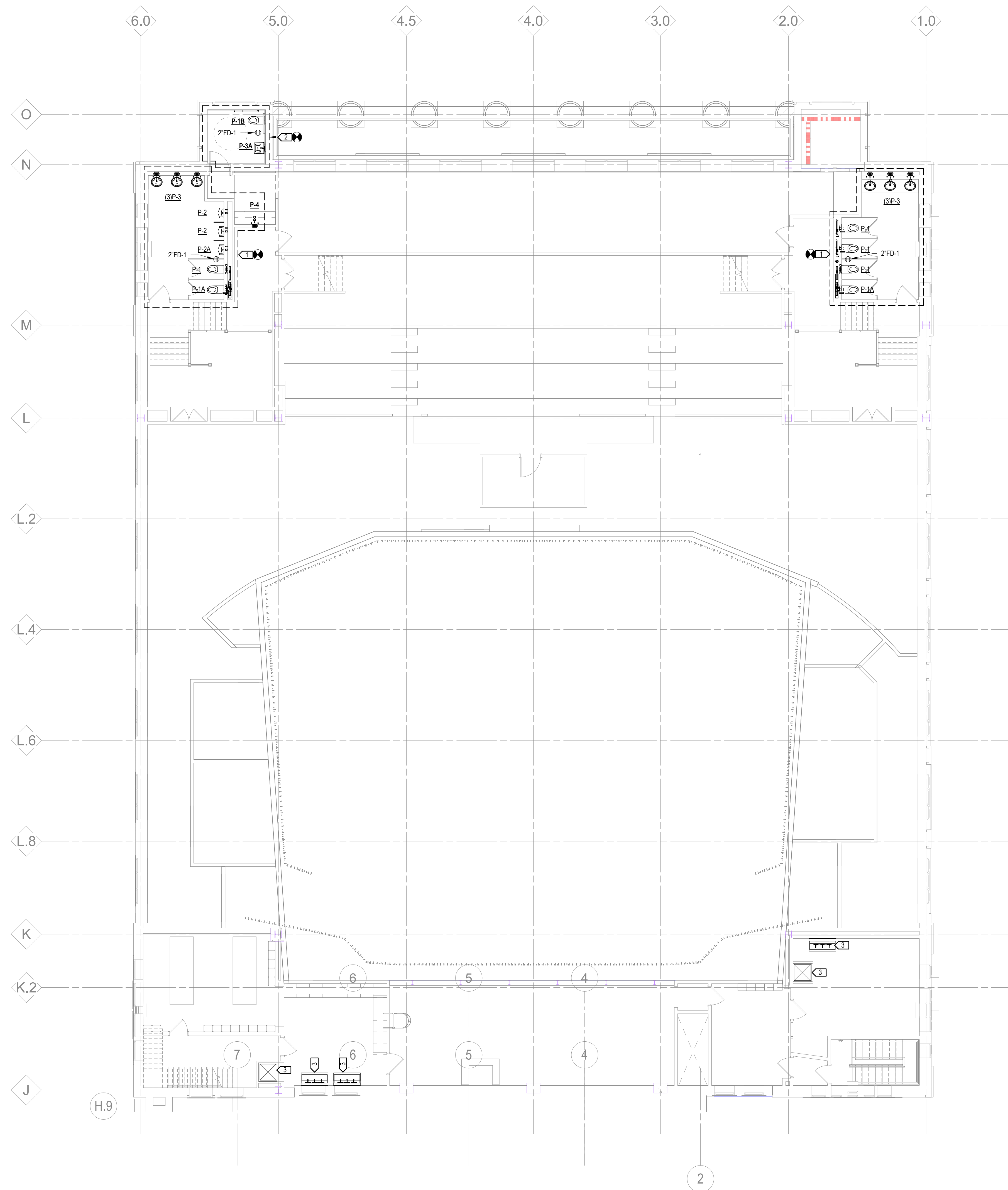
P1.1A



1 LEVEL ONE PLAN - SECTOR A - PLUMBING
 1/8" = 1'-0"

FOR REFERENCE ONLY -
 NOT FOR CONSTRUCTION

- KEYNOTES
1. PROVIDE NEW FIXTURES AS INDICATED. MAKE CONNECTIONS TO EXISTING WASTE, VENT AND WATER ON THIS LEVEL AND ON LEVEL ONE. CONTRACTOR TO FIELD VERIFY CONNECTION/TIE-IN LOCATIONS.
 2. PROVIDE NEW FIXTURES AS INDICATED. MODIFY EXISTING WASTE, VENT AND WATER TO CONNECT TO NEW FIXTURES. CONTRACTOR TO FIELD VERIFY MODIFICATIONS NECESSARY TO INSTALL NEW FIXTURE LOCATIONS.
 3. EXISTING FIXTURES TO REMAIN, NO WORK REQUIRED.

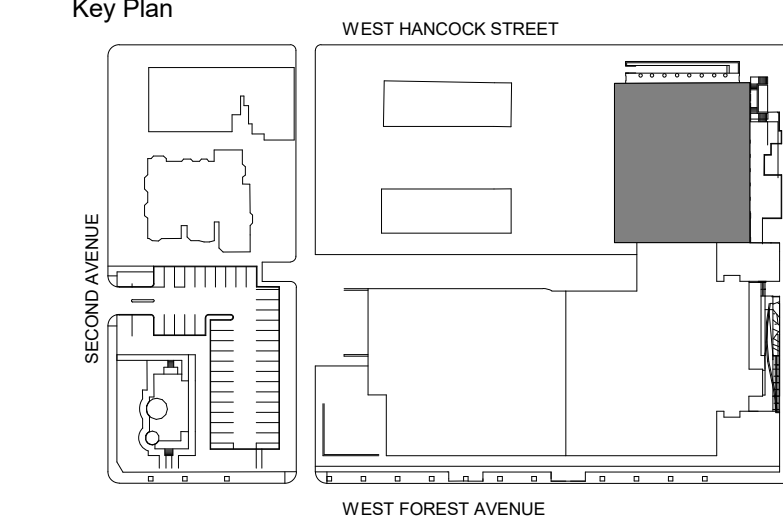


1 LEVEL TWO PLAN - SECTOR A - PLUMBING
 1/8" = 1'-0"

- Owner: Wayne State University FP&M
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 212.764.5630
- Lighting: Auerbach Glasow
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 114-A Washington Street
 Norwalk, CT 06864
 203.838.4188

DETROIT, MI

Key Plan



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Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
LEVEL TWO - SECTOR A - PLUMBING

Project Number: 3995-001-00

Drawn By: Designer

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

Seal:

Signature:

Drawing No:

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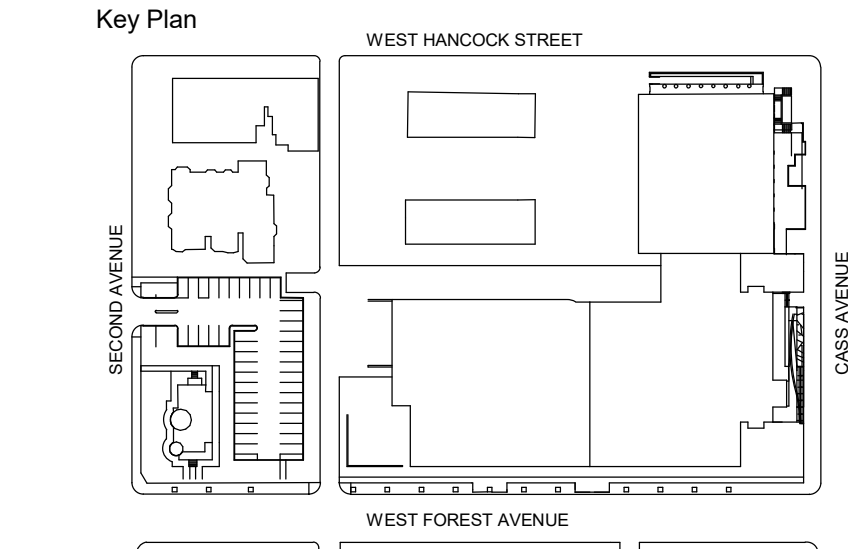
Landscape Architect: Hamilton Anderson
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203.836.4168

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WSU - GATEWAY THEATER COMPLEX	
WSU PROJECT NO. 189-178578	
Drawing Title	
ELECTRICAL SYMBOLS AND SHEET INDEX	
Project Number: 3995-001-00	
Drawn By: B GUTIERREZ	
Scale: 1/8" = 1'-0"	
Seal:	

WSU - GATEWAY THEATER COMPLEX

ELECTRICAL SYMBOLS AND SHEET INDEX

Project Number: 3995-001-00
Drawn By: B GUTIERREZ
Scale: 1/8" = 1'-0"
Seal:

Signature: _____
Drawing No: _____

E0.0

SYMBOL EXPLANATION		ELECTRICAL SYMBOLS															
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	NOMINAL MOUNTING HEIGHT	SYMBOL	DESCRIPTION	NOMINAL MOUNTING HEIGHT	SYMBOL	DESCRIPTION	NOMINAL MOUNTING HEIGHT							
<p>1 UPPER CASE LETTERS WITH NUMBER INDICATES LUMINAIRE TYPE. (REFER TO THE E500 LUMINAIRE SCHEDULE)</p> <p>2 NUMBER INDICATES CIRCUIT CONNECTION.</p> <p>3. LOWER CASE LETTER INDICATES CONTROL DEVICE.</p> <p>SPECIAL RECEPTACLES. THE NEMA STANDARD TYPE IS SHOWN WITH AN UPPER CASE LETTER. TYPE AS NOTED. EXAMPLE: NEMA L6-30R, 250V, SINGLE PHASE, 30A, TWIST-LOCK RECEPTACLE</p> <p>THE CIRCUIT DESIGNATION IS SHOWN BY NUMBER ADJACENT TO EQUIPMENT. ABBREVIATION NEXT TO CIRCUIT NUMBER INDICATES A DEDICATED CIRCUIT FOR THAT TYPE OF EQUIPMENT. EXAMPLE: WALL MOUNTED DUPLEX RECEPTACLE ON DEDICATED CIRCUIT NUMBER 2 FOR A PRINTER.</p> <p>SYMBOL SEE MECHANICAL EQUIPMENT SCHEDULE FOR COMPLETE ELECTRICAL INFORMATION. EXAMPLE: EXHAUST FAN #1</p> <p>PLAN KEY NOTE. SEE KEY NOTE SCHEDULE ON THAT DRAWING. ARROW POINTS TO THE ITEM TO WHICH THE NOTE APPLIES.</p> <p>INDIVIDUAL HOME RUN TO BRANCH CIRCUIT PANELBOARD. PANELBOARD AND CIRCUIT DESIGNATION ARE PLACED ADJACENT TO HOMERUN ARROW. REFER TO PANEL SCHEDULES FOR AMPS AND NUMBER OF POLES. EXAMPLE: HOMERUN TO PANEL ELP1. UNDESIGNATED TICK MARKS INDICATE #12 CONDUCTORS; NO TICK MARKS INDICATE 2 #12 CONDUCTORS. CONDUCTOR SIZES INDICATED ADJACENT TO SLASH MARKS SHALL APPLY TO ENTIRE CIRCUITS. PROVIDE MINIMUM #12 AWG CONDUCTORS FOR HOMERUNS, #10 AWG CONDUCTORS FOR HOMERUNS THAT EXCEED 100 FEET (30480mm) FOR 120 VOLT CIRCUITS AND 250FEET (76200mm) FOR 277 VOLT CIRCUITS. HOMERUNS SHALL BE CONSIDERED TO ORIGINATE FROM THE POWER SOURCE TO THE FIRST PIECE OF EQUIPMENT OR DEVICE.</p> <p>WIRELESS DEVICE</p>		<p>LIGHTING</p> <p>RECESSED MOUNTED LIGHT FIXTURES</p> <p>SURFACE MOUNTED LIGHT FIXTURES</p> <p>SUSPENDED MOUNTED LIGHT FIXTURES</p> <p>RECESSED LIGHT FIXTURES ON CRITICAL POWER CIRCUIT</p> <p>SURFACE MOUNTED LIGHT FIXTURES ON CRITICAL POWER CIRCUIT</p> <p>RECESSED LIGHT FIXTURES ON LIFE SAFETY (S) POWER CIRCUIT</p> <p>SURFACE MOUNTED LIGHT FIXTURES ON LIFE SAFETY (S) POWER CIRCUIT</p> <p>RECESSED INDIRECT LIGHT FIXTURE (ORIENTATION OF BASKET INDICATED BY LINE IN CENTER OF FIXTURE)</p> <p>EXIT SIGN SHADED PORTION OF EXIT SIGN INDICATES FACE(S) TO BE ILLUMINATED.</p> <p>LIGHT TRACK</p> <p>POLE MOUNTED LIGHT FIXTURE</p> <p>WALL MOUNTED LIGHT FIXTURE</p> <p>ARROW OF LIGHT FIXTURE INDICATES AIMING DIRECTION</p> <p>POST TOP LIGHT FIXTURE</p> <p>EMERGENCY LIGHTING UNIT WITH BATTERY PACK</p> <p>SWITCHES</p> <p>S SINGLE POLE SWITCH</p> <p>S 2 2 POLE SWITCH</p> <p>S 3 3 WAY SWITCH</p> <p>S 4 4 WAY SWITCH</p> <p>S L LOW VOLTAGE SWITCH</p> <p>S D DIMMER SWITCH</p> <p>S K KEY OPERATED SWITCH</p> <p>S M MOMENTARY CONTACT SWITCH</p> <p>S WP WEATHERPROOF SWITCH</p> <p>S P SWITCH WITH PILOT LIGHT</p> <p>S MMCS MANUAL MOTOR CONTROL SWITCH</p> <p>S MSS MOTOR STARTER SWITCH</p> <p>D DIGITAL TIME SWITCH</p> <p>O OCCUPANCY SENSOR</p> <p>V VACANCY SENSOR (MANUAL ON OCCUPANCY)</p> <p>P PHOTO SENSOR</p>				<p>POWER</p> <p>SINGLE RECEPTACLE</p> <p>DUPLEX 125V RECEPTACLE</p> <p>EMERGENCY DUPLEX 125V RECEPTACLE</p> <p>GFCI PROTECTED DUPLEX 125V RECEPTACLE</p> <p>ISOLATED GROUND DUPLEX 125V RECEPTACLE</p> <p>EMERGENCY ISOLATED GROUND DUPLEX 125V RECEPTACLE</p> <p>DUPLEX W/ USB COMBO</p> <p>ISOLATED GROUND DUPLEX W/ USB COMBO</p> <p>EMERGENCY DUPLEX W/ USB COMBO</p> <p>EMERGENCY ISOLATED GROUND DUPLEX W/ USB COMBO</p> <p>DOUBLE DUPLEX 125V RECEPTACLE</p> <p>GFCI PROTECTED DOUBLE DUPLEX 125V RECEPTACLE</p> <p>ISOLATED GROUND DOUBLE DUPLEX 125V RECEPTACLE</p> <p>EMERGENCY ISOLATED GROUND DOUBLE DUPLEX 125V RECEPTACLE</p> <p>SPECIAL PURPOSE RECEPTACLE. LABEL INDICATES RECEPTACLE TYPE.</p> <p>SWITCHED OR SPLIT WIRED RECEPTACLE</p> <p>JUNCTION BOX</p> <p>FLOOR BOX CAST-IN-PLACE</p> <p>POKE THROUGH</p> <p>PEDESTAL DUPLEX 125V RECEPTACLE SERVICE FITTING</p> <p>CEILING MOUNTED DUPLEX 125V RECEPTACLE</p> <p>120V CONTROLLED RECEPTACLES</p> <p>DUPLEX 120V RECEPTACLE - FULL CONTROLLED</p> <p>DUPLEX 120V RECEPTACLE - HALF CONTROLLED</p> <p>GFCI QUAD 120V RECEPTACLE - FULL CONTROLLED</p> <p>GFCI QUAD 120V RECEPTACLE - HALF CONTROLLED</p> <p>QUAD 120V RECEPTACLE - FULL CONTROLLED</p> <p>QUAD 120V RECEPTACLE - HALF CONTROLLED</p>				<p>POWER DISTRIBUTION</p> <p>MOTOR</p> <p>COMPANY SWITCH RECEPTACLE</p> <p>COMPANY SWITCH</p> <p>SAFETY DISCONNECT SWITCH</p> <p>FUSED STARTER</p> <p>COMBINATION STARTER</p> <p>VARIABLE SPEED DRIVE</p> <p>DRY TYPE TRANSFORMER-FLOOR MOUNT</p> <p>DRY TYPE TRANSFORMER - CEILING/WALL MOUNT</p> <p>POWER OR DISTRIBUTION PANEL</p> <p>SURFACE MTD PANELBOARD</p> <p>FLUSH MTD PANELBOARD</p> <p>GROUND BUS BAR</p> <p>COMMUNICATION</p> <p>DATA OUTLET. TYPICAL OUTLET TO HAVE 1 DATA JACK UNLESS INDICATED BY LABEL</p> <p>WALL PHONE DATA OUTLET. TYPICAL OUTLET TO HAVE 1 DATA JACK UNLESS INDICATED BY LABEL</p> <p>WIRELESS LAN DATA OUTLET. TYPICAL OUTLET TO HAVE 1 DATA JACK UNLESS INDICATED BY LABEL</p> <p>WAP</p> <p>TV OUTLET</p> <p>INTERCOM</p> <p>J-HOOK</p> <p>MICROPHONE JACK</p> <p>AUXILIARY OUTLET</p> <p>PROJECTOR OUTLET</p> <p>REMOTE CONTROL</p> <p>CLOCK</p> <p>CHIME</p> <p>CHIME LIGHT</p> <p>SPEAKER</p> <p>EFFECTS SPEAKER OUTLET</p> <p>VOLUME CONTROL</p> <p>PUSHBUTTON</p> <p>SECURITY</p> <p>ELECTRIC STRIKE</p> <p>CARD READER</p> <p>CARD READER W/ KEY PAD</p> <p>DOOR CONTACT</p> <p>MAGNETIC LOCK</p> <p>SURVEILLANCE CAMERA</p> <p>CEILING MOUNTED SURVEILLANCE CAMERA</p> <p>DURESS BUTTON</p> <p>MONITOR</p> <p>MOTION SENSOR - CEILING MOUNTED</p> <p>MOTION SENSOR - WALL MOUNTED</p> <p>SIREN</p> <p>IDS ACTIVATION/ DEACTIVATION KEYPAD</p> <p>GLASS BREAK SENSOR</p> <p>POWER TRANSFER HINGE</p> <p>DOOR CONTROLLER</p> <p>REQUEST TO EXIT - BUTTON</p> <p>REQUEST TO EXIT - MOTION SENSOR</p> <p>DELAYED EGRESS</p> <p>ELECTRIC LOCK</p>				<p>FIRE ALARM</p> <p>SMOKE DETECTOR</p> <p>DUCT SMOKE DETECTOR</p> <p>SPRINKLER FLOW SWITCH</p> <p>TAMPER SWITCH</p> <p>DAMPER OPERATOR W/MONITOR MODULE</p> <p>FIRE ALARM MANUAL STATION</p> <p>FIRE ALARM AUDIO-VISUAL UNIT</p> <p>FIRE ALARM VISUAL UNIT</p> <p>FIRE ALARM AUDIO UNIT</p> <p>FIRE ALARM PHONE JACK</p> <p>HEAT DETECTOR</p> <p>BEAM DETECTOR RECEIVER</p> <p>BEAM DETECTOR TRANSMITTER</p> <p>ADDRESSABLE MODULE</p> <p>ADDRESSABLE CONTROL MODULE</p> <p>FIRE ALARM CONTROL CONNECTION</p> <p>CONDUIT AND WIRING</p> <p>CONDUIT CONCEALED IN WALL OR OVERHEAD</p> <p>CONDUIT CONCEALED IN OR BELOW FLOOR</p> <p>CONDUIT INSTALLED EXPOSED</p> <p>CONDUIT VERTICAL TRANSITION</p> <p>CONDUIT STUBBED OUT</p> <p>CONDUIT SEAL</p> <p>EXISTING CONDUIT</p> <p>EXISTING CONDUIT INTERCEPTED</p> <p>SINGLE CHANNEL SURFACE RACEWAY</p> <p>DUAL CHANNEL SURFACE RACEWAY</p> <p>PLUG STRIP</p> <p>MISCELLANEOUS</p> <p>DASHED SYMBOL INDICATES EXISTING DEVICES TO BE REMOVED.</p>			

ELECTRICAL SHEET INDEX

E0.0	ELECTRICAL SYMBOLS AND SHEET INDEX	E3.0B	LOWER LEVEL POWER PLAN - SECTOR B	E4.3B	CONTROL LEVEL SYSTEMS PLAN - SECTOR B
E0.1	ELECTRICAL GENERAL NOTES	E3.1A	LEVEL ONE POWER PLAN - SECTOR A	E4.4B	TECH LEVEL SYSTEMS PLAN - SECTOR B
E0.2	VALADE CENTER ELECTRICAL ONE-LINE	E3.1B	LEVEL ONE POWER PLAN - SECTOR B	E4.5B	GRIDIRON LEVEL SYSTEMS PLAN - SECTOR B
E0.3	HILBERRY ELECTRICAL ONE-LINE	E3.1C	LEVEL ONE POWER PLAN - SECTOR C	E5.0A	LUMINAIRE SCHEDULES
E1.0A	LOWER LEVEL DEMOLITION PLAN - SECTOR A	E3.2A	LEVEL TWO POWER PLAN - SECTOR A	E5.0B	LUMINAIRE SCHEDULES
E1.1A	LEVEL ONE DEMOLITION PLAN - SECTOR A	E3.2B	LEVEL TWO POWER PLAN - SECTOR B	E5.1	ELECTRICAL EQUIPMENT SCHEDULE
E1.2A	LEVEL TWO DEMOLITION PLAN - SECTOR A	E3.2C	LEVEL TWO POWER PLAN - SECTOR C	E5.2	ELECTRICAL PANEL SCHEDULE
E2.0A	LOWER LEVEL LIGHTING PLAN - SECTOR A	E3.3B	CONTROL LEVEL POWER PLAN - SECTOR B	E5.3	ELECTRICAL PANEL SCHEDULE
E2.0B	LOWER LEVEL LIGHTING PLAN - SECTOR B	E3.4B	TECH LEVEL POWER PLAN - SECTOR B	E5.4	ELECTRICAL PANEL SCHEDULE
E2.1A	LEVEL ONE LIGHTING PLAN - SECTOR A	E3.5B	GRIDIRON LEVEL POWER PLAN - SECTOR B	E5.5	ELECTRICAL PANEL SCHEDULE
E2.1B	LEVEL ONE LIGHTING PLAN - SECTOR B	E4.0A	LOWER LEVEL SYSTEMS PLAN - SECTOR A	E5.6	ELECTRICAL PANEL SCHEDULE
E2.1C	LEVEL ONE LIGHTING PLAN - SECTOR C	E4.0B	LOWER LEVEL SYSTEMS PLAN - SECTOR B	E6.0	ELECTRICAL DETAILS
E2.2A	LEVEL TWO LIGHTING PLAN - SECTOR A	E4.1A	LEVEL ONE SYSTEMS PLAN - SECTOR A	E6.1	ELECTRICAL DETAILS
E2.2B	LEVEL TWO LIGHTING PLAN - SECTOR B	E4.1B	LEVEL ONE SYSTEMS PLAN - SECTOR B	E6.2	ELECTRICAL DETAILS
E2.2C	LEVEL TWO LIGHTING PLAN - SECTOR C	E4.1C	LEVEL ONE SYSTEMS PLAN - SECTOR C	E7.0	SYSTEMS DETAILS
E2.3B	CONTROL LEVEL LIGHTING PLAN - SECTOR B	E4.2A	LEVEL TWO SYSTEMS PLAN - SECTOR A	E7.1	TELECOM ENLARGED PLANS AND DETAILS
E2.4B	TECH LEVEL LIGHTING PLAN - SECTOR B	E4.2B	LEVEL TWO SYSTEMS PLAN - SECTOR B	EM8.0	ELECTRICAL MECHANICAL COORDINATION SCHEDULES
E3.0A	LOWER LEVEL POWER PLAN - SECTOR A	E4.2C	LEVEL TWO SYSTEMS PLAN - SECTOR C	EM8.1	ELECTRICAL MECHANICAL COORDINATION SCHEDULES

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Signature: _____
Drawing No: _____

E0.0

COMMUNICATIONS ROUGH-IN REQUIREMENTS		
	BACK BOX SIZE	RACEWAY SIZE
W	WALL PHONE VOICE OUTLET	4" x 4" SQUARE W/ SINGLE GANG TRIM RING
V	DATA OUTLET	4" x 4" SQUARE W/ SINGLE GANG TRIM RING
WAP	WIRELESS LAN OUTLET	4" x 4" SQUARE W/ SINGLE GANG TRIM RING
V	DATA OUTLET	4- 11/16" x 4- 11/16" SQUARE W/ SINGLE GANG TRIM RING
4	QUAD DATA OUTLET	4- 11/16" x 4- 11/16" SQUARE W/ SINGLE GANG TRIM RING

COMMUNICATIONS ROUGH-IN REQUIREMENT NOTES:

A. PROVIDE CONDUIT FROM WALL MOUNTED COMMUNICATIONS DEVICE BACK BOXES TO NEAREST ACCESSIBLE CABLE TRAY. CONDUIT SHALL RUN BETWEEN ACCESSIBLE CEILING SPACES AND ACOUSTICAL CEILINGS.

B. FOLLOW PROPER INSTALLATION OF BACK BOXES AND RACEWAYS PENETRATING THROUGH ACOUSTICAL WALLS.

C. PROVIDE PULL STRINGS IN ALL ROUGH-INS.

ABBREVIATIONS

A or AMP	AMPERE	IP	INTERNET PROTOCOL	REF	REFRIGERATOR
AV or AV	AUDIO/VISUAL	IPC	INTERGRATED POWER CENTER	RF	RADIO FREQUENCY
AC	ALTERNATING CURRENT	IR	INFRARED	RX	RECEIVER/RECEIVER
ACS	AUTOMATIC CONTROL SYSTEM	kHz	KILOHERTZ	SEC	SECONDARY
AFF	ABOVE FINISHED FLOOR	KK	KIRK KEY	SM	SINGLEMODE
AIC	AMPERE INTERRUPTING RATING	KV	KILOVOLT	SPD	SURGE PROTECTION DEVICE
AL	ALUMINUM	KVA	KILOVOLT-AMPERE	ST	SHUNT TRIP
ATS	AUTOMATIC TRANSFER SWITCH	KW	KILOWATT	STP	SHIELDED TWISTED PAIR
AUX	AUXILIARY	LAN	LOCAL AREA NETWORK	TBB	TELECOMMUNICATIONS BONDING BACKBONE
AWG	AMERICAN WIRE GAUGE	LCP	LIGHTING CONTROL PANEL	TELECOM	TELECOMMUNICATIONS
BAS	BUILDING AUTOMATION SYSTEM	LED		TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
BIO	BIOMETRIC	LSI	LONG TIME SHORT TIME INSTANTANEOUS	TIA	TELECOMMUNICATIONS INDUSTRIES ASSOCIATION
BMS	BUILDING MANAGEMENT SYSTEM	LV	LOW-VOLTAGE	TYP	TYPICAL
C	CONDUIT	MCA	MINIMUM CIRCUIT AMPACITY	UL	UNDERWRITERS LABORATORIES
CATV	CABLE TELEVISION	MCB	MAIN CIRCUIT BREAKER	UNO	UNLESS OTHERWISE NOTED/UNLESS NOTED OTHERWISE
CLG	CEILING	MLO	MAIN LUG ONLY	UPS	UNINTERRUPTABLE POWER SUPPLY
COFF	COFFEE MAKER	MH	MANHOLE	UTP	UNSHIELDED TWISTED PAIR
CJ	COPPER	MV	MEDIUM VOLTAGE	V	VOLT
CU	COPPER	MW	MICROWAVE	VA	VOLT-AMPERE
dB	DECIBEL	MM	MULTI-MODE	VEND	VENDING
DC	DIRECT CURRENT	MMCS	MANUAL MOTOR CONTROL SWITCH	VGA	VIDEO GRAPHICS ARRAY
DED	DEDICATED CIRCUIT	N	NEUTRAL	VSD/VFD/VFC	VARIABLE SPEED DRIVE/ FREQUENCY DRIVE / FREQUENCY CONTROLLER
DIA	DIAMETER	NEC	NATIONAL ELECTRICAL CODE	W	WATT
DSP	DIGITAL SIGNAL PROCESSOR	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	WAP	WIRELESS ACCESS POINT
DW	DISH WASHER	NFPA	NATIONAL FIRE PROTECTION AGENCY	WP	WEATHER-PROOF
ELEC	ELECTRICAL	NFSS	NON-FUSED SAFETY SWITCH	XFMR	TRANSFORMER
EMI	ELECTROMAGNETIC INTERFERENCE	NTS	NOT TO SCALE		
EMT	ELECTRICAL METALLIC TUBING	OC	ON CENTER		
EWC	ELECTRICAL WATER COOLER	OCPD	OVER CURRENT PROTECTIVE DEVICE		
EXST	EXISTING	P	POLE		
FA	FIRE ALARM	PB	PULL BOX		
FAAP	FIRE ALARM ANNUNCIATOR PANEL	PF	POWER FACTOR		
FACP	FIRE ALARM CONTROL PANEL	PH or Ø	PHASE		
FLA	FULL-LOAD AMPERE	PNL	PANEL		
FP	FURNITURE POWER	POS	POINT OF SALE		
FSS	FUSED SAFETY SWITCH	PR	PAIR		
GAP	GENERATOR ANNUNCIATOR PANEL	PRI	PRIMARY		
GD	GARBAGE DISPOSAL	PTR	PRINTER		
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	PTZ	PAN TILT ZOOM		
GND	GROUND	Hz	HERTZ		
HH	HANDHOLE	PVC	POLYVINYL CHLORIDE		
HMT	HARMONIC MITIGATING TRANSFORMER	RCPT	RECEPTACLE		
HP	HORSE POWER				
HRZ	HORIZONTAL				
I/O	IN-BOARD/OUT-BOARD				
IG	ISOLATED GROUND				

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 114-A Washington Street
 Norwalk, CT 06864
 203.838.4188

GENERAL NOTES

- A. REFER TO ME800 SHEET FOR ADDITIONAL MOTOR INFORMATION, CONDUIT, AND CONDUCTOR SIZES TO MECHANICAL EQUIPMENT.
- B. REFER TO THE MECHANICAL DRAWINGS AND COORDINATE WITH DIVISION 23 FOR EXACT LOCATIONS OF MECHANICAL EQUIPMENT.
- C. REFER TO FEEDER SCHEDULE FOR WIRE AND CONDUIT SIZES AS WELL AS FEEDER REQUIREMENTS.
- D. REFER TO PANEL SCHEDULES FOR RATINGS AND ADDITIONAL REQUIREMENTS OF PANELBOARDS AND DISTRIBUTION BOARDS.
- E. ELECTRICAL FEEDERS AND EQUIPMENT SHOWN WITH LIGHT LINES ARE EXISTING TO REMAIN. ALL ELECTRICAL EQUIPMENT SHOWN WITH DARK DASHED LINES ARE NEW.

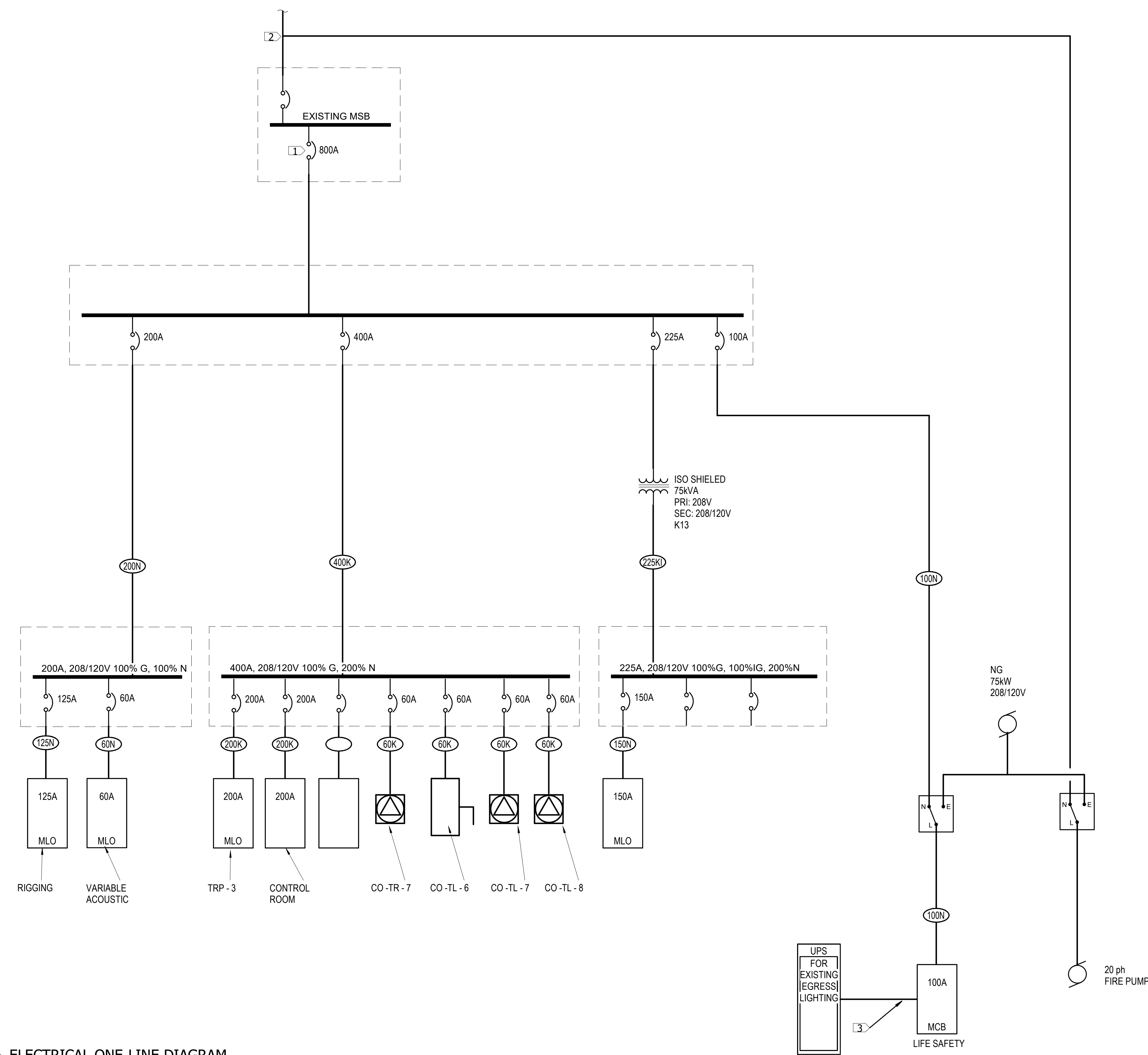
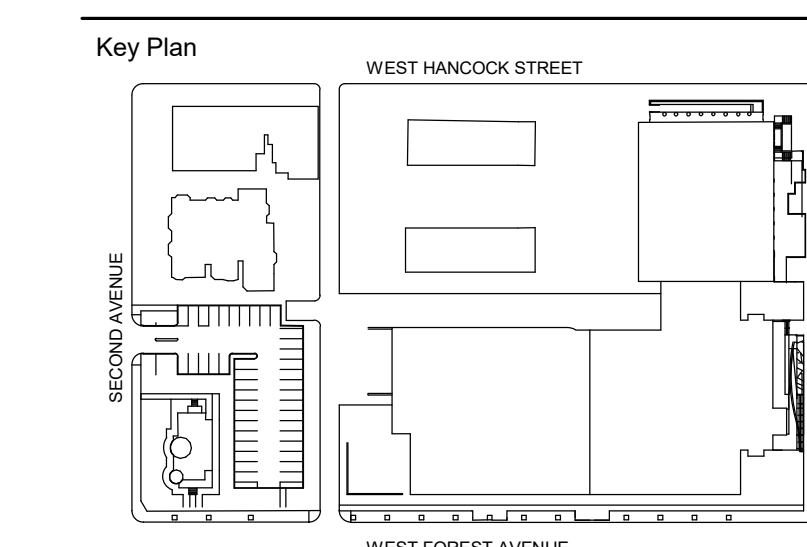
KEYNOTES:

- 1. PROVIDE NEW CIRCUIT BREAKER CONNECTION WITHIN EXISTING MAIN SWITCHBOARD.
- 2. PROVIDE CONNECTION UPSTREAM OF EXISTING MAIN SERVICE BREAKER.
- 3. PROVIDE CONNECTION TO EXISTING INVERTER POWERING EXISTING EGRESS LIGHTING.

FEEDER (AMPS)	MV FEEDER AND CONDUIT SIZES - CU	
	CONDUIT	CONDUCTOR
60N	1 1/4"	4#4 & 1#10 GND
100N	2"	4#1 & 1#6 GND
125K	2"	5#1 & 1#6 GND
150N	2"	4#1/0 & 1#6 GND
200K	2 1/2"	5#3/0 & 1#6 GND
200N	2 1/2"	4#3/0 & 1#6 GND
400K	(2) 2 1/2"	5#3/0 & 2#3 GND
400N	3 1/2"	4#500 & 1#3 GND

NOTES:
 * VOLTAGE DROP CONSIDERATIONS NOT TAKEN INTO CONSIDERATION IN TABLE.
 100= 3 WIRES
 100N= 4 WIRES
 100K= 200% NEUTRAL
 100I= ISOLATED GROUND

4743 Cass Ave., Detroit, MI 48202



2 ELECTRICAL ONE-LINE DIAGRAM
 NTS

100% DESIGN DEVELOPMENT FEB. 06, 2019

Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
VALADE CENTER ELECTRICAL ONE-LINE

Project Number: 3995-001-00
 Drawn By: BGI/TIERREZ
 Scale: As indicated
 Seal:

Signature: _____
 Drawing No:
E0.2

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VALADE DEMOLITION GENERAL NOTES:

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- B. EXISTING ELECTRICAL EQUIPMENT RECEPTACLES AND SYSTEMS TO REMAIN UNLESS NOTED OTHERWISE.

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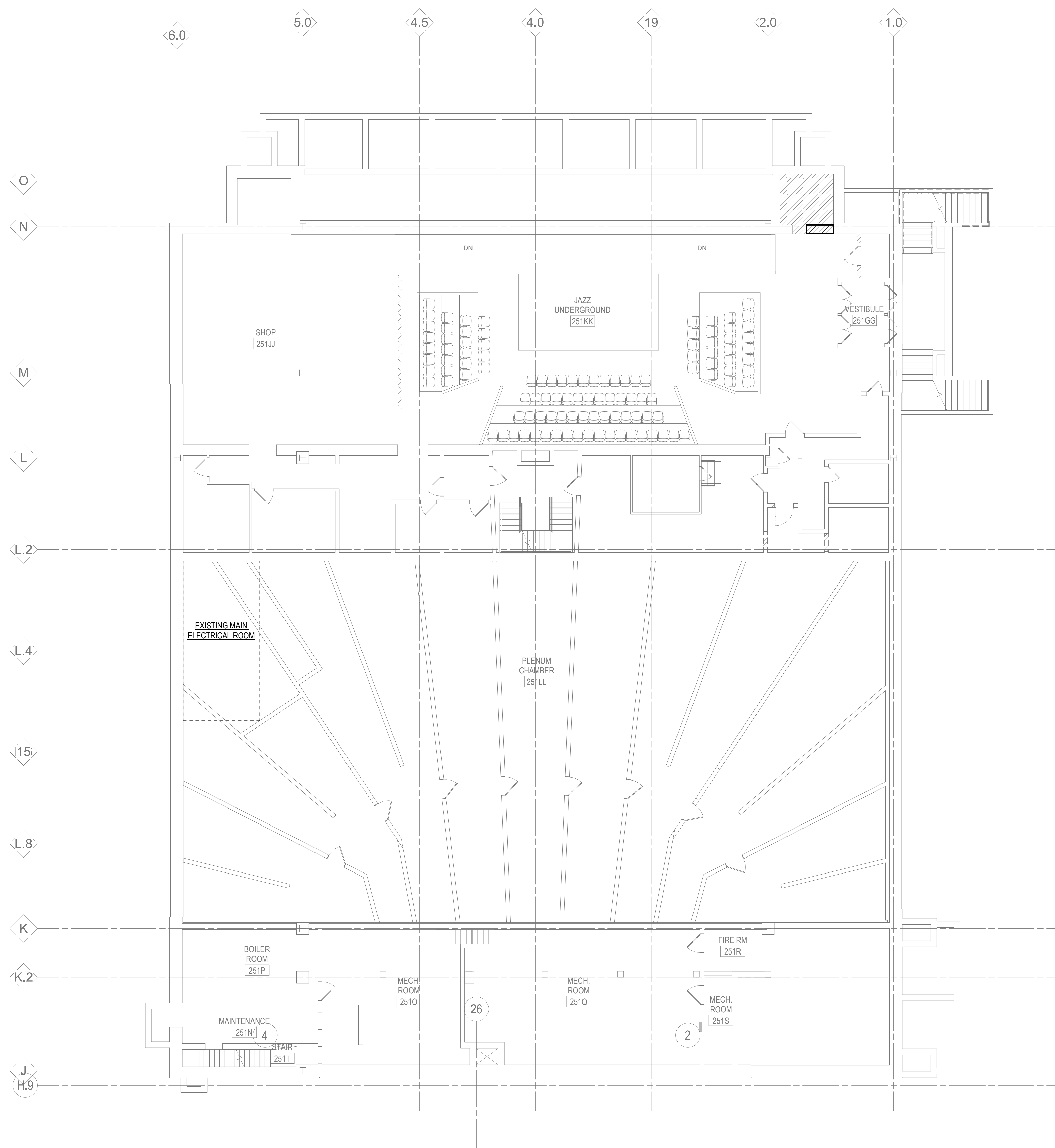
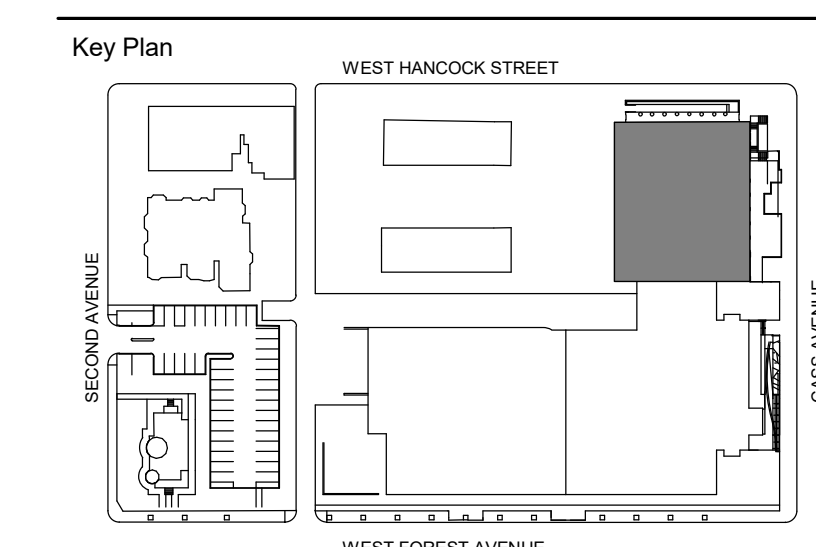
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1 LOWER LEVEL DEMOLITION PLAN - SECTOR A
 1/8" = 1'-0"

100% DESIGN DEVELOPMENT FEB. 06, 2019

Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
LOWER LEVEL DEMOLITION PLAN - SECTOR A

Project Number: 3995-001-00
 Drawn By: BGTIERREZ
 Scale: 1/8" = 1'-0"
 Seal:

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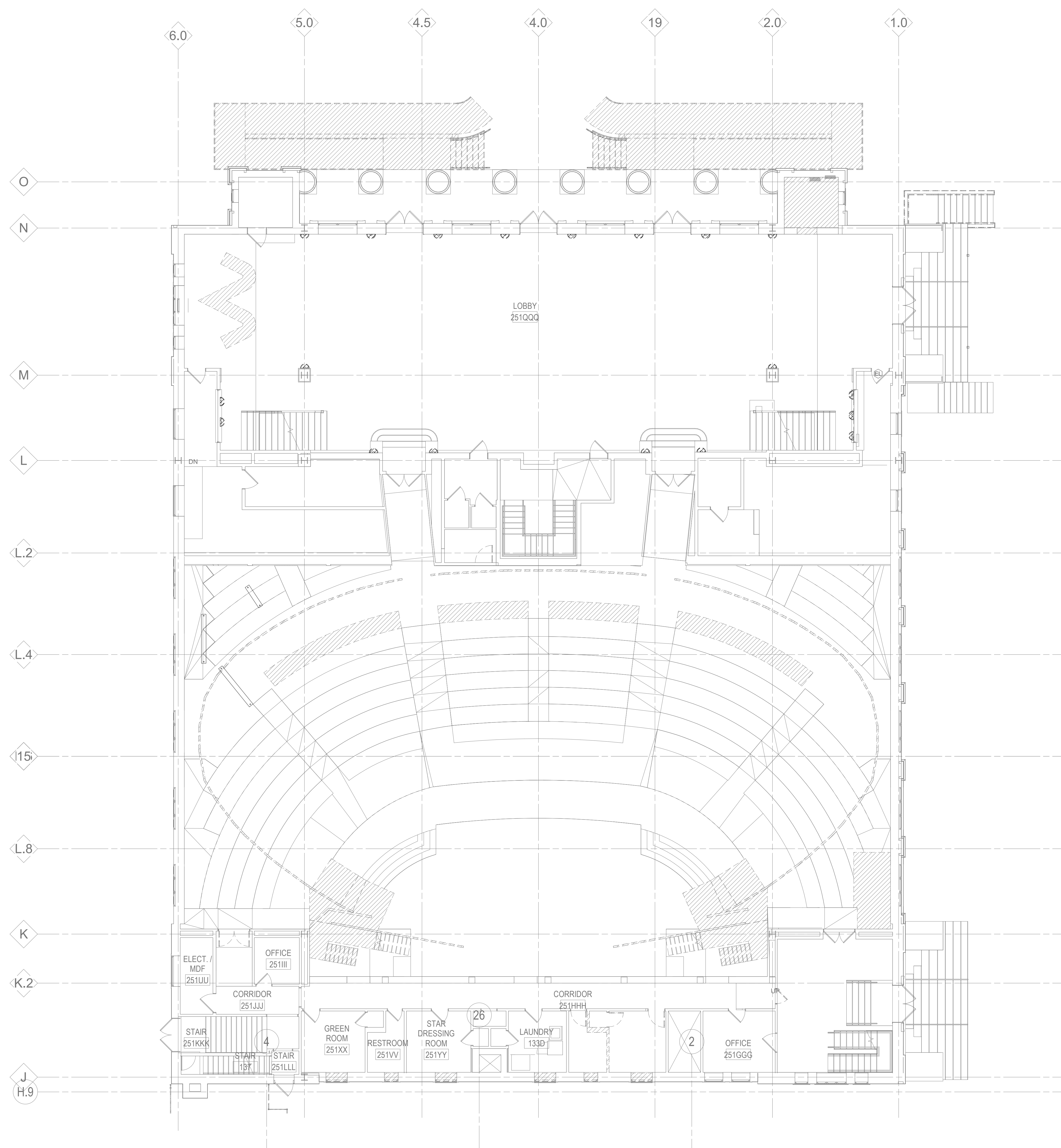
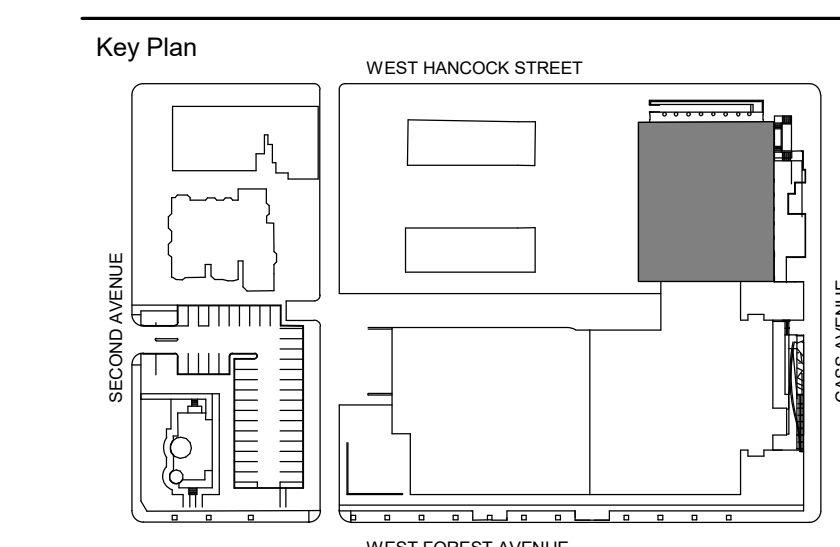
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1 LEVEL ONE DEMOLITION PLAN - SECTOR A
 1/8" = 1'-0"

100% DESIGN DEVELOPMENT FEB. 06, 2019

Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
LEVEL ONE DEMOLITION PLAN - SECTOR A

Project Number: 3995-001-00
 Drawn By: BGTIERREZ
 Scale: 1/8" = 1'-0"
 Seal:

Signature: _____
 Drawing No:

E1.1A
 PLAN TRUE NORTH TRUE NORTH

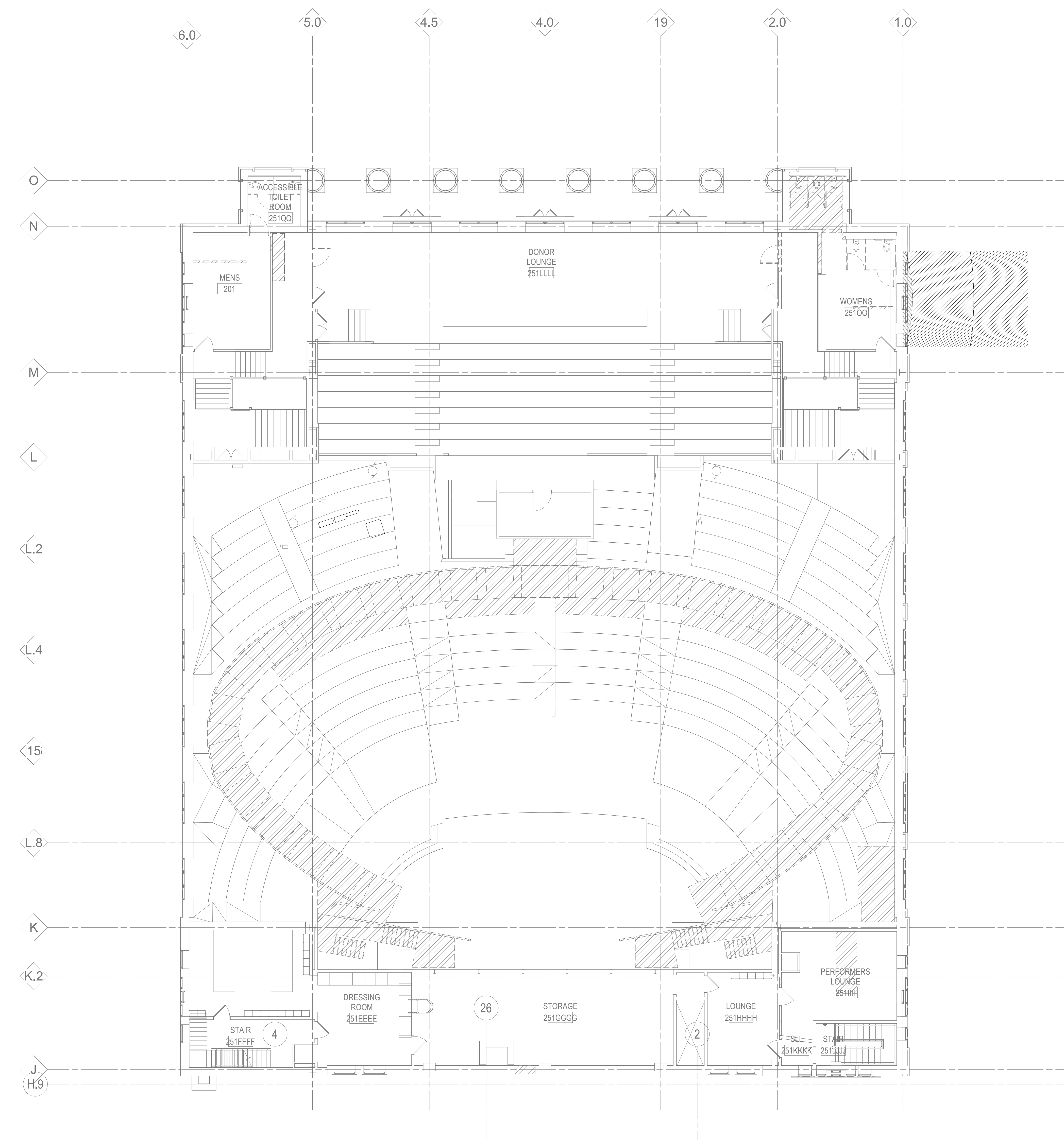
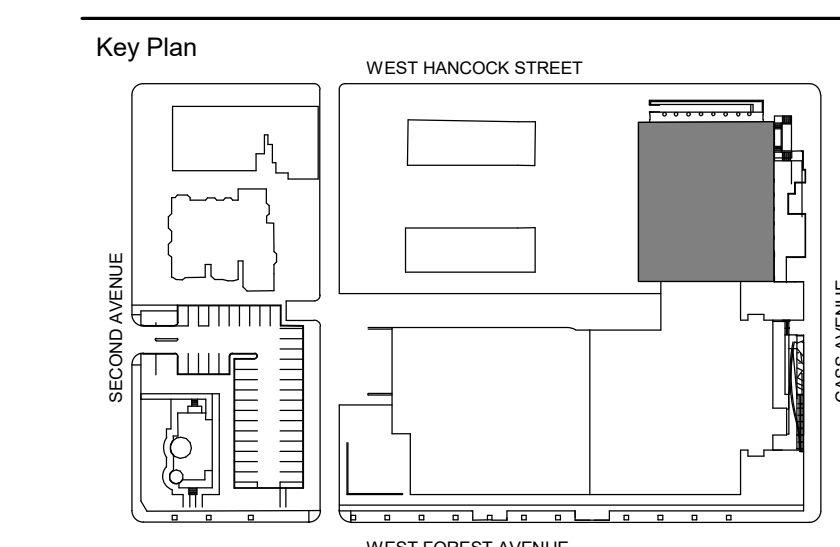
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Design Architect	HGA 420 5th Street N, Suite 100 Minneapolis, MN 55401 612.758.4000
MEP Engineer	HGA 420 5th Street N, Suite 100 Minneapolis, MN 55401 612.758.4000
Structural Engineer	DESI / NASR Consulting Engineers 6765 Daly Road West Bloomfield, MI 48322 248.392.2010
Civil Engineer	Spalding DeDecker 905 South Blvd East Rochester Hills, MI 48307 800.598.1600
Landscape Architect	Hamilton Anderson 1435 Randolph Street, Suite 200 Detroit, MI 48226 313.964.0270
Theatrical	Auerbach Pollock Friedlander 285 West 37th Street New York, NY 10018 212.764.5630
Lighting	Auerbach Glasow 1945 Sansome Street, Suite 300 San Francisco, CA 94111 415.392.7528
Acoustics / AV	Jaffe Holden 114-A Washington Street Norwalk, CT 06864 203.838.4188

4743 Cass Ave., Detroit, MI 48202



1 LEVEL TWO DEMOLITION PLAN - SECTOR A
 1/8" = 1'-0"

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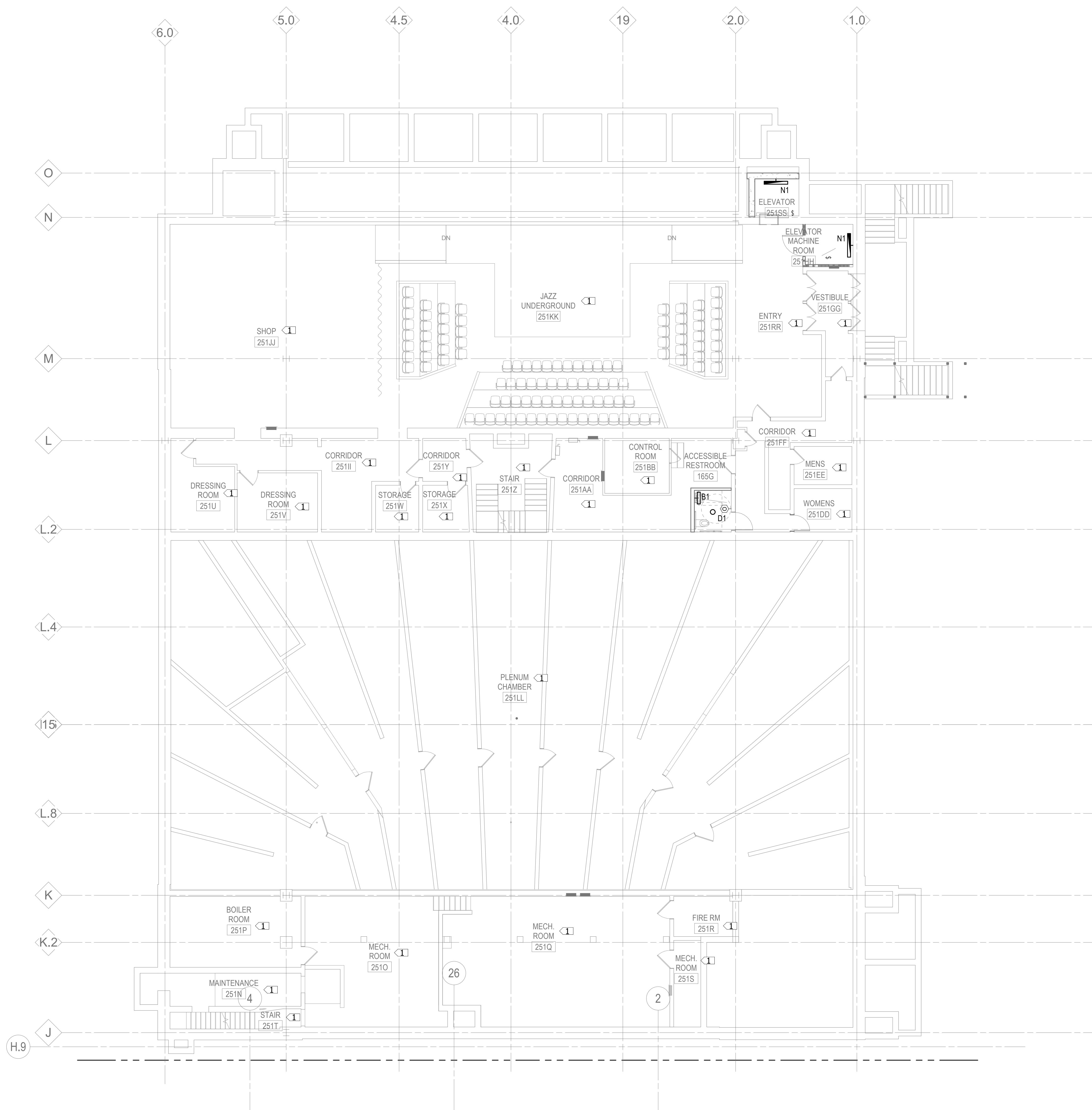
Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
LEVEL TWO DEMOLITION PLAN - SECTOR A

Project Number: 3995-001-00
 Drawn By: BGTIERREZ
 Scale: 1/8" = 1'-0"
 Seal:

FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

Signature:
 Drawing No:

KEYNOTES:
 1. EXISTING LIGHTING AND CONTROLS TO REMAIN.



1 LOWER LEVEL LIGHTING PLAN - SECTOR A
 1/8" = 1'-0"

Owner: Wayne State University FP&M
 5454 Cass Ave
 Detroit, MI 48202
 313.577.2424

Contractor: Walbridge
 777 Woodward Ave. Suite 300
 Detroit, MI 48202
 313.963.8000

Executive Architect: Hamilton Anderson
 1435 Randolph Street, Suite 200
 Detroit, MI 48226
 313.964.0270

Design Architect: HGA
 420 5th Street N, Suite 100
 Minneapolis, MN 55401
 612.758.4000

MEP Engineer: HGA
 420 5th Street N, Suite 100
 Minneapolis, MN 55401
 612.758.4000

Structural Engineer: DESI / NASR Consulting Engineers
 6765 Daly Road
 West Bloomfield, MI 48322
 248.392.2010

Civil Engineer: Spalding DeDecker
 905 South Blvd East
 Rochester Hills, MI 48307
 800.598.1600

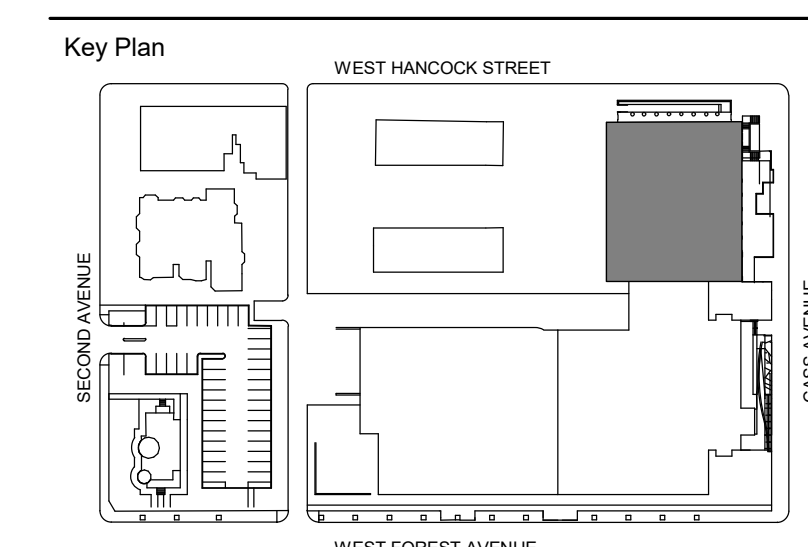
Landscape Architect: Hamilton Anderson
 1435 Randolph Street, Suite 200
 Detroit, MI 48226
 313.964.0270

Theatrical: Auerbach Pollock Friedlander
 288 West 37th Street
 New York, NY 10018
 212.764.5630

Lighting: Auerbach Glasgow
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 415.392.7528

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 203.838.4188

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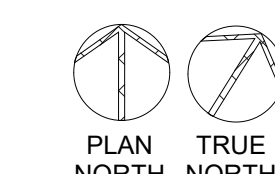
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Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
LOWER LEVEL LIGHTING PLAN - SECTOR A

Project Number: 3995-001-00
 Drawn By: BGI/TIERREZ
 Scale: 1/8" = 1'-0"
 Seal:

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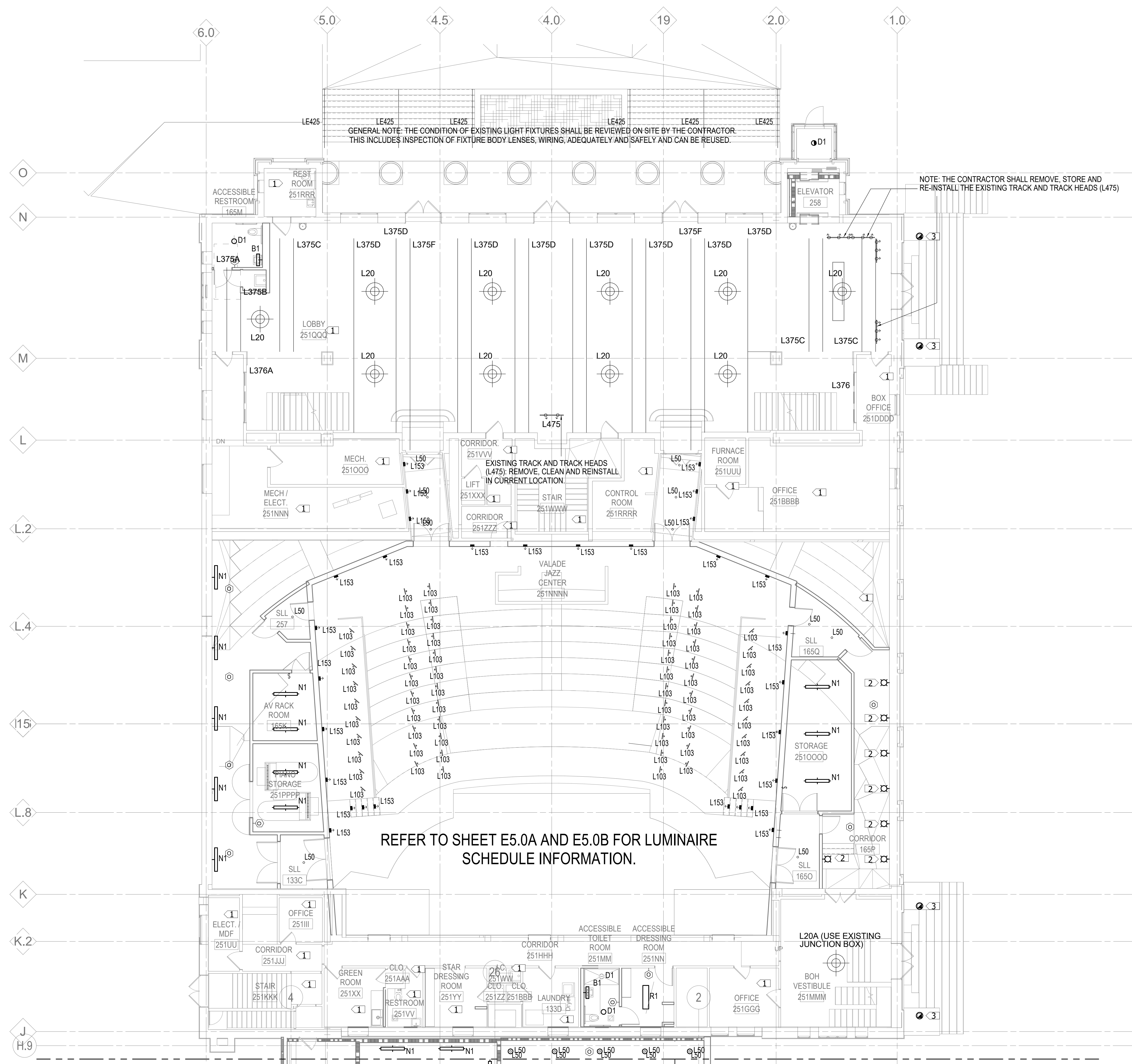
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 Drawing No:



E2.0A

KEYNOTES:

1. EXISTING LIGHTING AND CONTROLS TO REMAIN.
2. RELOCATE, RELAMP, AND CLEAN EXISTING WALL SCONCES FROM LOBBY.
3. CLEAN AND RELAMP EXISTING POLE LIGHT. REPLACE GLOBE DIFFUSER. CONTRACTOR TO VERIFY LIGHT IS CONNECTED TO EMERGENCY POWER FOR EGRESS ILLUMINATION.



GENERAL NOTE: THE CONDITION OF EXISTING LIGHT FIXTURES SHALL BE REVIEWED ON SITE BY THE CONTRACTOR. THIS INCLUDES INSPECTION OF FIXTURE BODY LENSES, WIRING, ADEQUATELY AND SAFELY AND CAN BE REUSED.

NOTE: THE CONTRACTOR SHALL REMOVE, STORE AND RE-INSTALL THE EXISTING TRACK AND TRACK HEADS (L475)

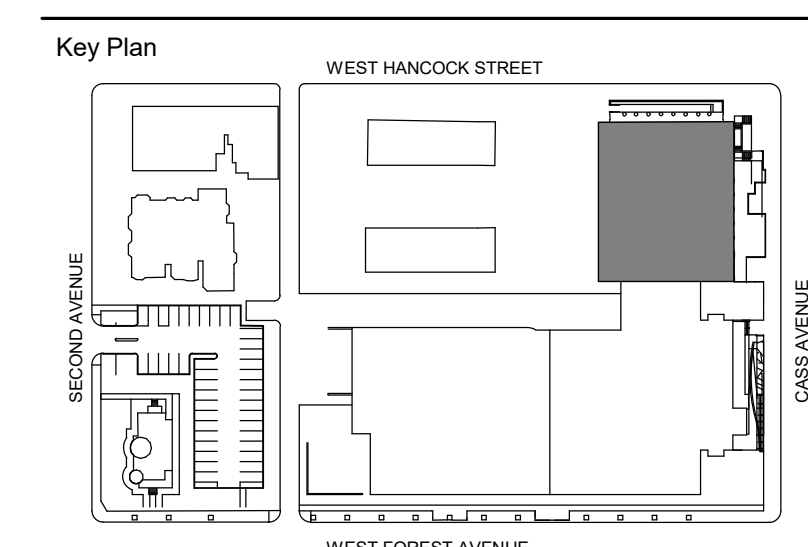
EXISTING TRACK AND TRACK HEADS (L475); REMOVE, CLEAN AND REINSTALL IN CURRENT LOCATION.

REFER TO SHEET E5.0A AND E5.0B FOR LUMINAIRE SCHEDULE INFORMATION.

1 LEVEL ONE LIGHTING PLAN - SECTOR A
 1/8" = 1'-0"

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Project

WSU - GATEWAY THEATER COMPLEX
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 Drawing Title
LEVEL ONE LIGHTING PLAN - SECTOR A

Project Number: 3995-001-00

Drawn By: BGIERRREZ

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

Seal:

Signature: _____
 Drawing No: _____

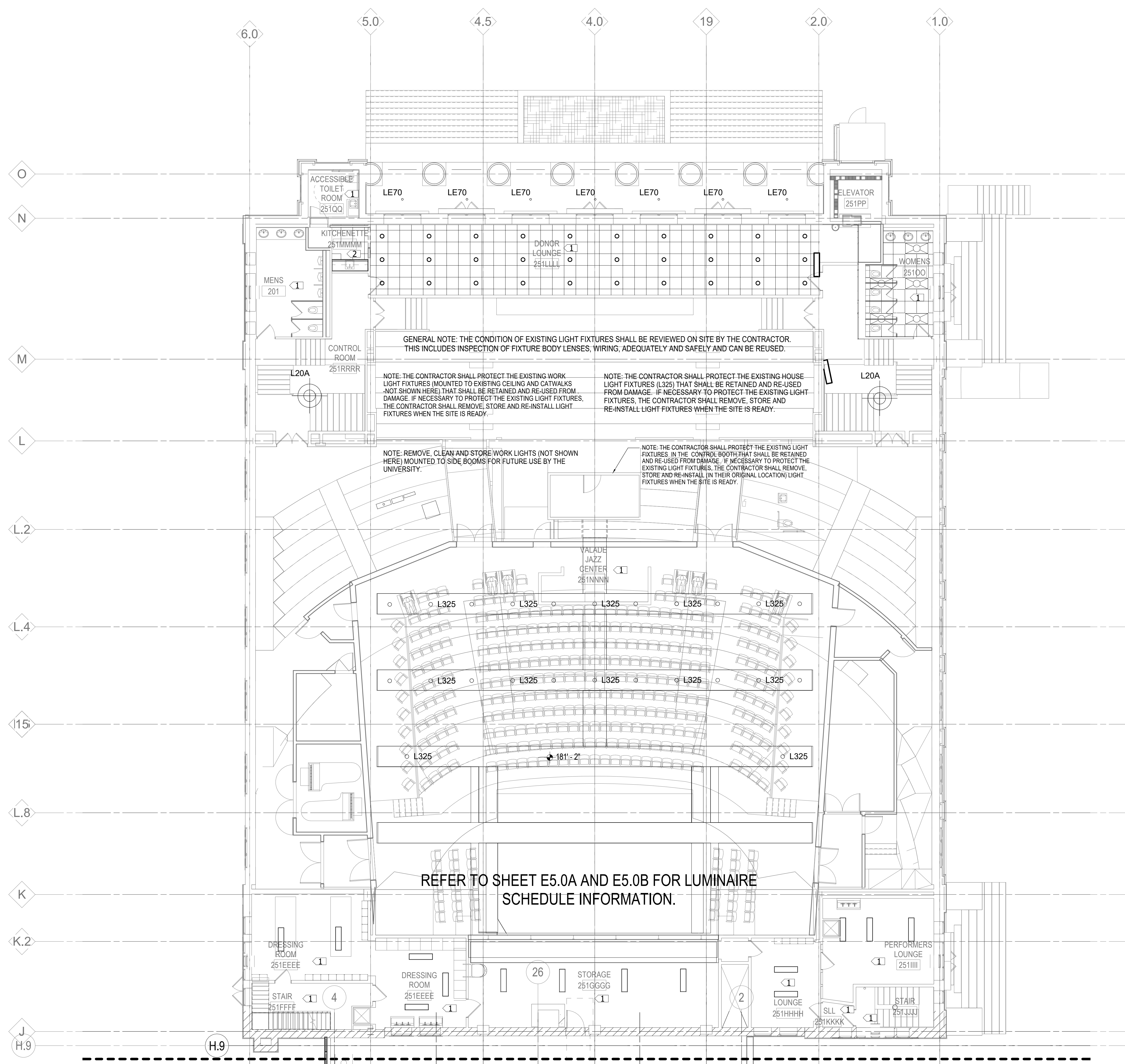
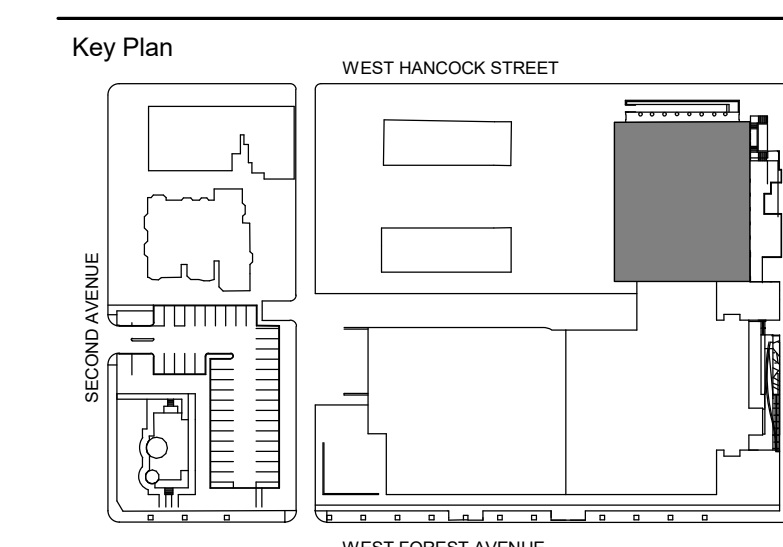
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KEYNOTES:

1. EXISTING LIGHTING AND CONTROLS TO REMAIN.
2. RELOCATE EXISTING CEILING LIGHT TO CENTER OF NEW KITCHENETTE CONFIGURATION.

Owner	Wayne State University FP&M 5454 Cass Ave Detroit, MI 48202 313.577.2424
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4743 Cass Ave., Detroit, MI 48202



GENERAL NOTE: THE CONDITION OF EXISTING LIGHT FIXTURES SHALL BE REVIEWED ON SITE BY THE CONTRACTOR. THIS INCLUDES INSPECTION OF FIXTURE BODY LENSES, WIRING, ADEQUATELY AND SAFELY AND CAN BE REUSED.

NOTE: THE CONTRACTOR SHALL PROTECT THE EXISTING WORK LIGHT FIXTURES (MOUNTED TO EXISTING CEILING AND CATWALKS NOT SHOWN HERE) THAT SHALL BE RETAINED AND RE-USED FROM DAMAGE. IF NECESSARY TO PROTECT THE EXISTING LIGHT FIXTURES, THE CONTRACTOR SHALL REMOVE, STORE AND RE-INSTALL LIGHT FIXTURES WHEN THE SITE IS READY.

NOTE: THE CONTRACTOR SHALL PROTECT THE EXISTING HOUSE LIGHT FIXTURES (L325) THAT SHALL BE RETAINED AND RE-USED FROM DAMAGE. IF NECESSARY TO PROTECT THE EXISTING LIGHT FIXTURES, THE CONTRACTOR SHALL REMOVE, STORE AND RE-INSTALL LIGHT FIXTURES WHEN THE SITE IS READY.

NOTE: REMOVE, CLEAN AND STORE WORK LIGHTS (NOT SHOWN HERE) MOUNTED TO SIDE BOOMS FOR FUTURE USE BY THE UNIVERSITY.

NOTE: THE CONTRACTOR SHALL PROTECT THE EXISTING LIGHT FIXTURES IN THE CONTROL BOOTH THAT SHALL BE RETAINED AND RE-USED FROM DAMAGE. IF NECESSARY TO PROTECT THE EXISTING LIGHT FIXTURES, THE CONTRACTOR SHALL REMOVE, STORE AND RE-INSTALL (IN THEIR ORIGINAL LOCATION) LIGHT FIXTURES WHEN THE SITE IS READY.

REFER TO SHEET E5.0A AND E5.0B FOR LUMINAIRE SCHEDULE INFORMATION.

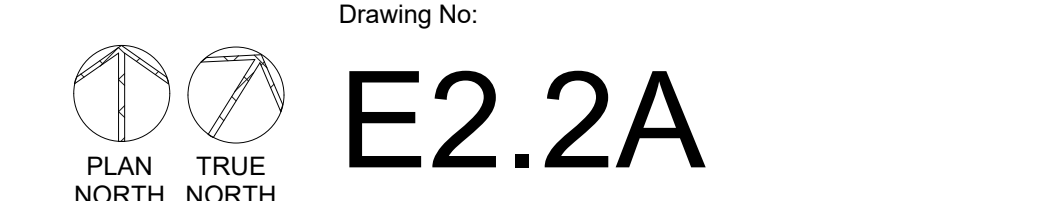
1 LEVEL TWO LIGHTING PLAN - SECTOR A
 1/8" = 1'-0"

100% DESIGN DEVELOPMENT FEB. 06, 2019

Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
LEVEL TWO LIGHTING PLAN - SECTOR A

Project Number: 3995-001-00
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E2.2A



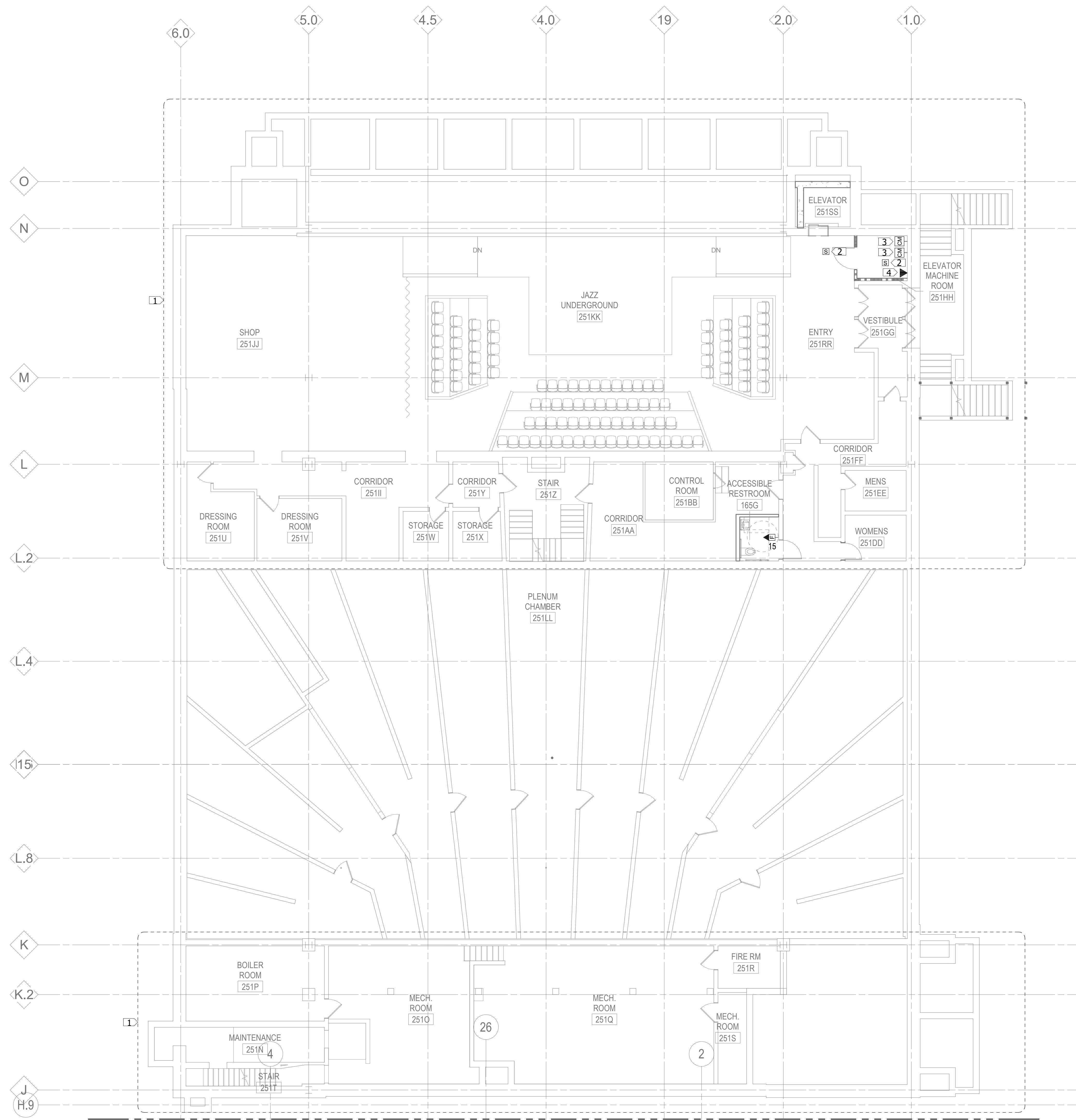
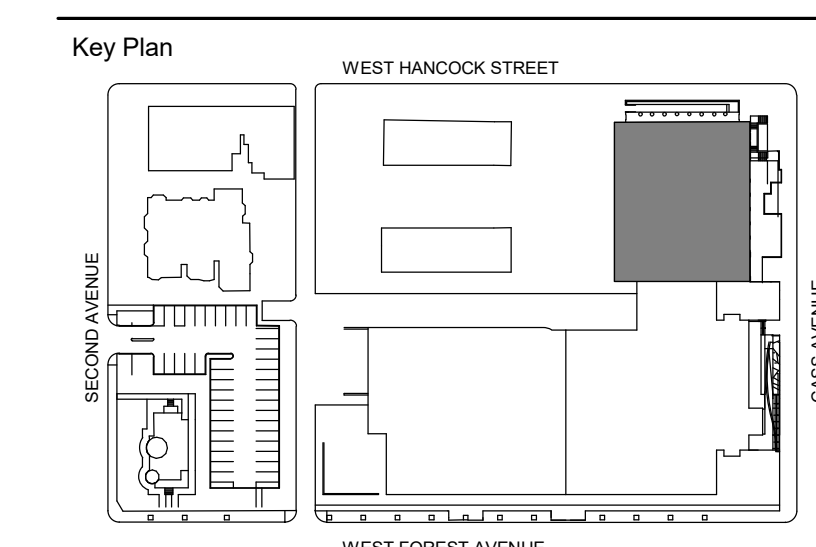
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KEYNOTES:

- EXISTING ELECTRICAL INSTALLATION TO REMAIN. PROVIDE NEW DEVICES WHERE INDICATED.
- PROVIDE SMOKE DETECTOR FOR ELEVATOR RECALL FUNCTION. PROVIDE ALL REQUIRED PROGRAMMING AND CONTROL MODULES. REFER TO SPECIFICATION SECTION 283111 FOR ADDITIONAL INFORMATION.
- PROVIDE CONTROL RELAYS FOR ELEVATOR CONTROLLER RECALL INTERFACE WITH FIRE ALARM SYSTEM. PROVIDE ALL REQUIRED PROGRAMMING AND CONTROL MODULES. REFER TO SPECIFICATION SECTION 283111 FOR ADDITIONAL INFORMATION.
- PROVIDE VOICE OUTLET TO ELEVATOR CONTROL PANEL FOR A TELEPHONE IN EACH ELEVATOR CAB. COORDINATE SPECIFIC CONNECTION REQUIREMENTS WITH ELEVATOR CONTRACTOR.

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Acoustics / AV	Jaffe Holden 114-A Washington Street Norwalk, CT 06864 203.838.4188

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1 LOWER LEVEL SYSTEMS PLAN - SECTOR A
1/8" = 1'-0"

100% DESIGN DEVELOPMENT FEB. 06, 2019

Project
WSU - GATEWAY THEATER COMPLEX
WSU PROJECT NO. 189-178578
Drawing Title
LOWER LEVEL SYSTEMS PLAN - SECTOR A

Project Number: 3995-001-00
Drawn By: B GUTIERREZ
Scale: 1/8" = 1'-0"
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Signature: _____
Drawing No:

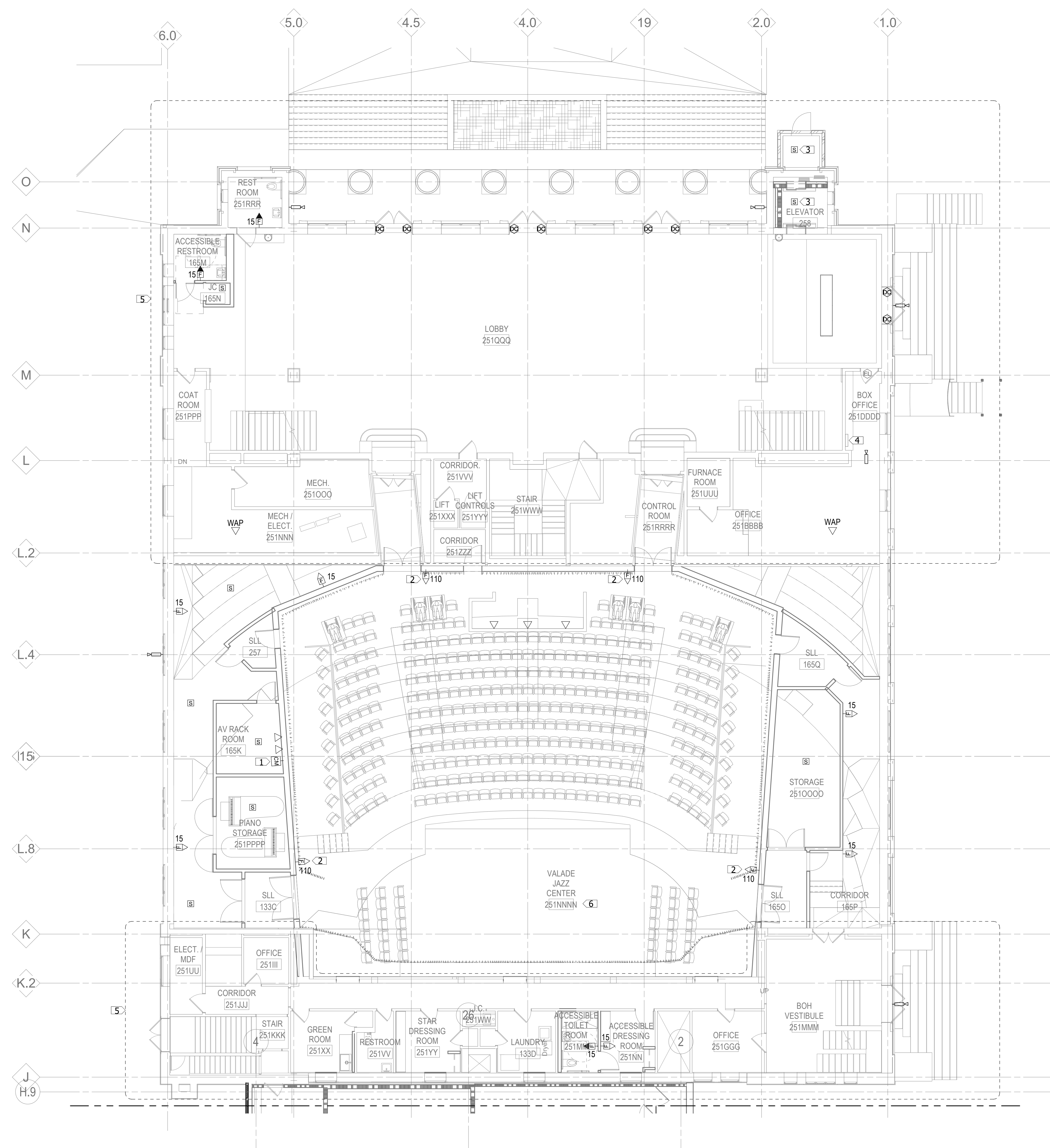
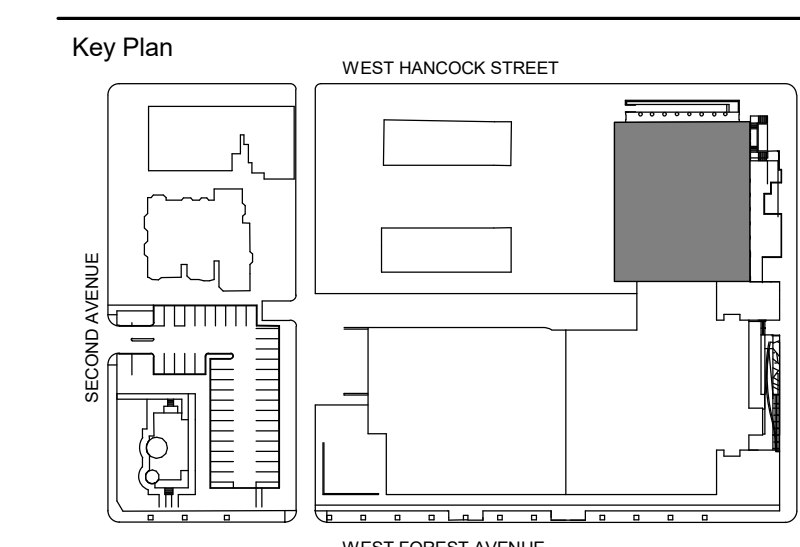
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PLAN TRUE NORTH NORTH
E4.0A

KEYNOTES:

1. PROVIDE FIRE ALARM CONTROL MODULE TO MUTE AUDIO SYSTEM UPON FIRE ALARM SYSTEM ACTIVATION. PROVIDE ALL REQUIRED PROGRAMMING AND CONTROL MODULES. REFER TO SPECIFICATION SECTION 283111 FOR ADDITIONAL INFORMATION.
2. PROVIDE CONCEALABLE FIRE ALARM DEVICE. FINISH COLOR SHALL BE PROVIDED BY THE ARCHITECT.
3. PROVIDE SMOKE DETECTOR FOR ELEVATOR RECALL FUNCTION. PROVIDE ALL REQUIRED PROGRAMMING AND CONTROL MODULES. REFER TO SPECIFICATION SECTION 283111 FOR ADDITIONAL INFORMATION.
4. EXISTING FIRE ALARM CONTROL PANEL TO REMAIN.
5. EXISTING ELECTRICAL INSTALLATION TO REMAIN. PROVIDE NEW DEVICES WHERE INDICATED.
6. REFER TO THEATRICAL AV DESIGNER DRAWINGS FOR AV EQUIPMENT/RACEWAY REQUIREMENTS IN THIS AREA.

Owner	Wayne State University FP&M 5454 Cass Ave Detroit, MI 48202 313.577.2424
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4743 Cass Ave., Detroit, MI 48202



1 LEVEL ONE SYSTEMS PLAN - SECTOR A
 1/8" = 1'-0"

100% DESIGN DEVELOPMENT FEB. 06, 2019

Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
LEVEL ONE SYSTEMS PLAN - SECTOR A

Project Number: 3995-001-00
 Drawn By: B GUTIERREZ
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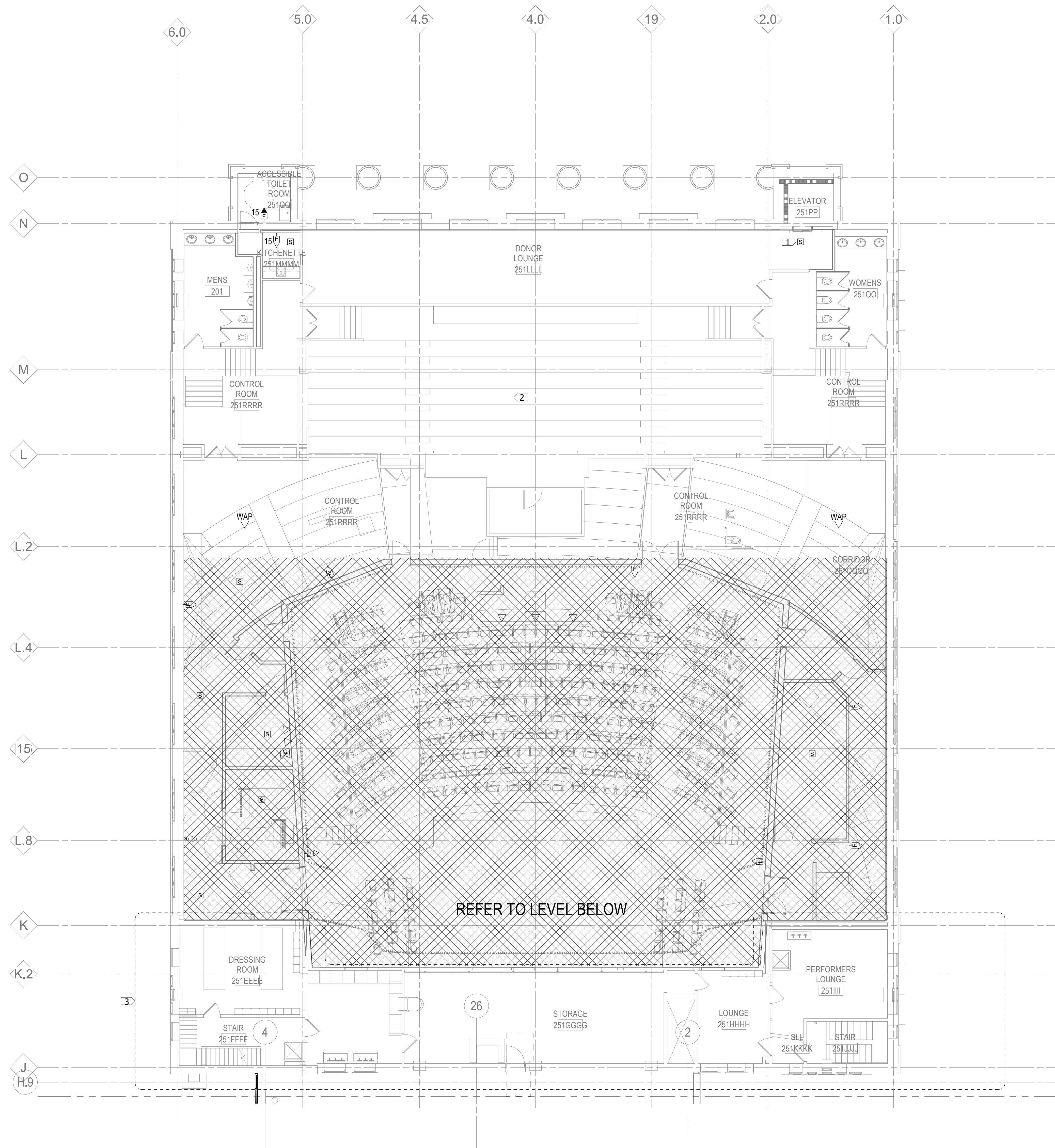
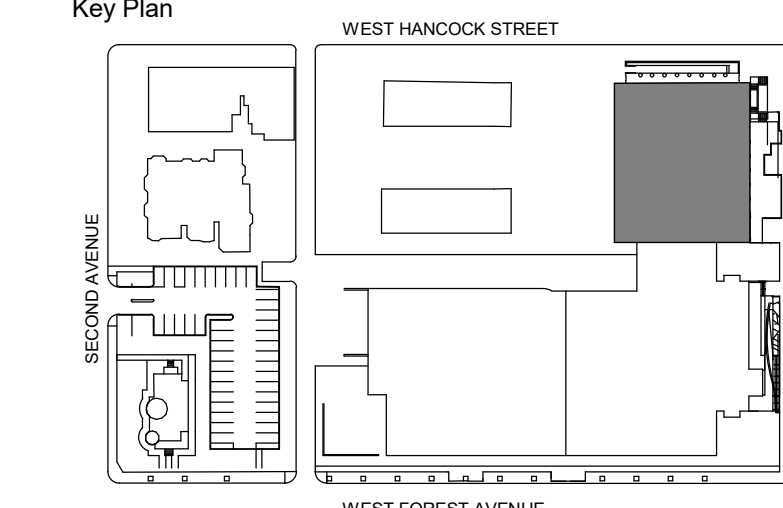
KEYNOTES:

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2. REFER TO THEATRICAL AV DESIGNER DRAWINGS FOR AV EQUIPMENT/TRACEWAY REQUIREMENTS IN THIS AREA.
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Key Plan



1 LEVEL TWO SYSTEMS PLAN - SECTOR A
 1/8" = 1'-0"

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Project
WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 189-178578

Drawing Title
LEVEL TWO SYSTEMS PLAN - SECTOR A

Project Number: 3995-001-00

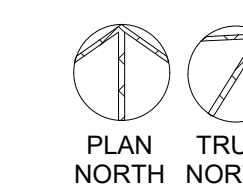
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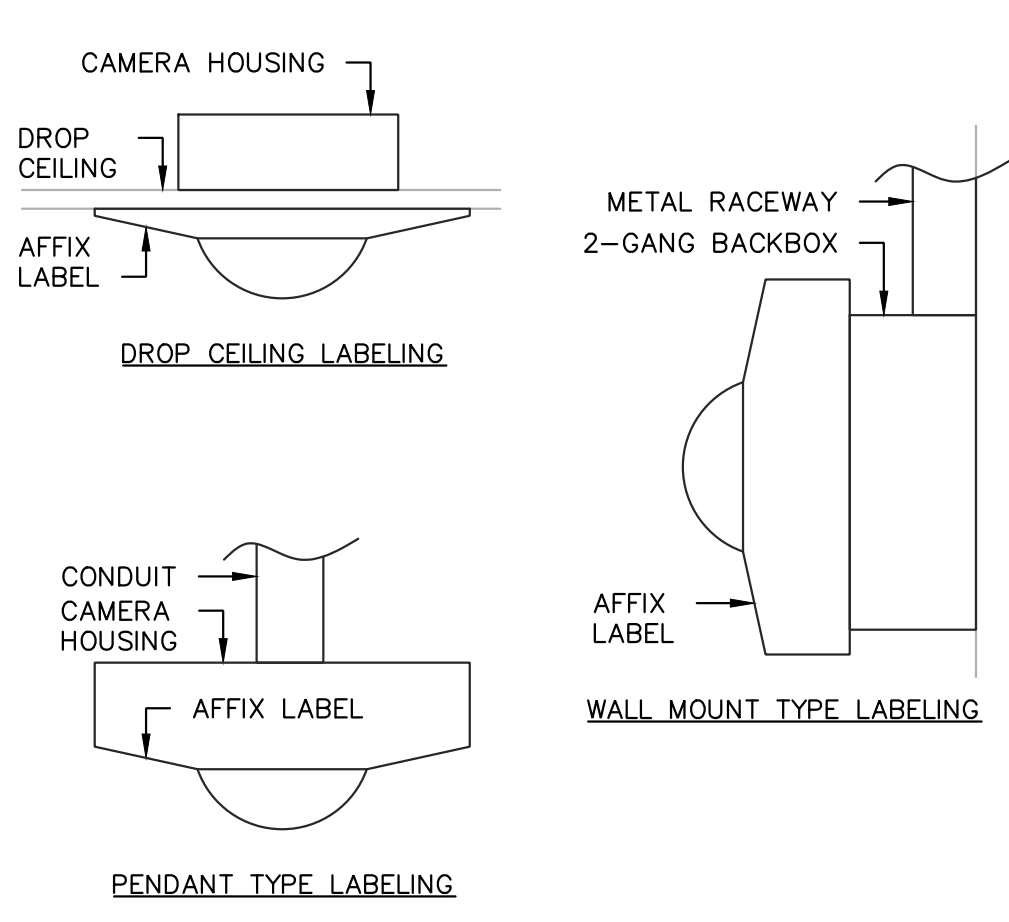
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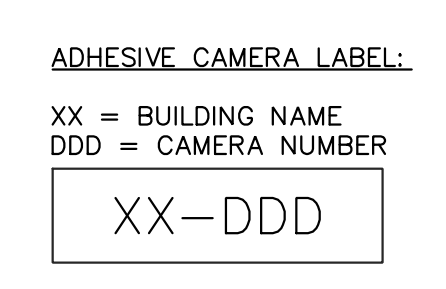


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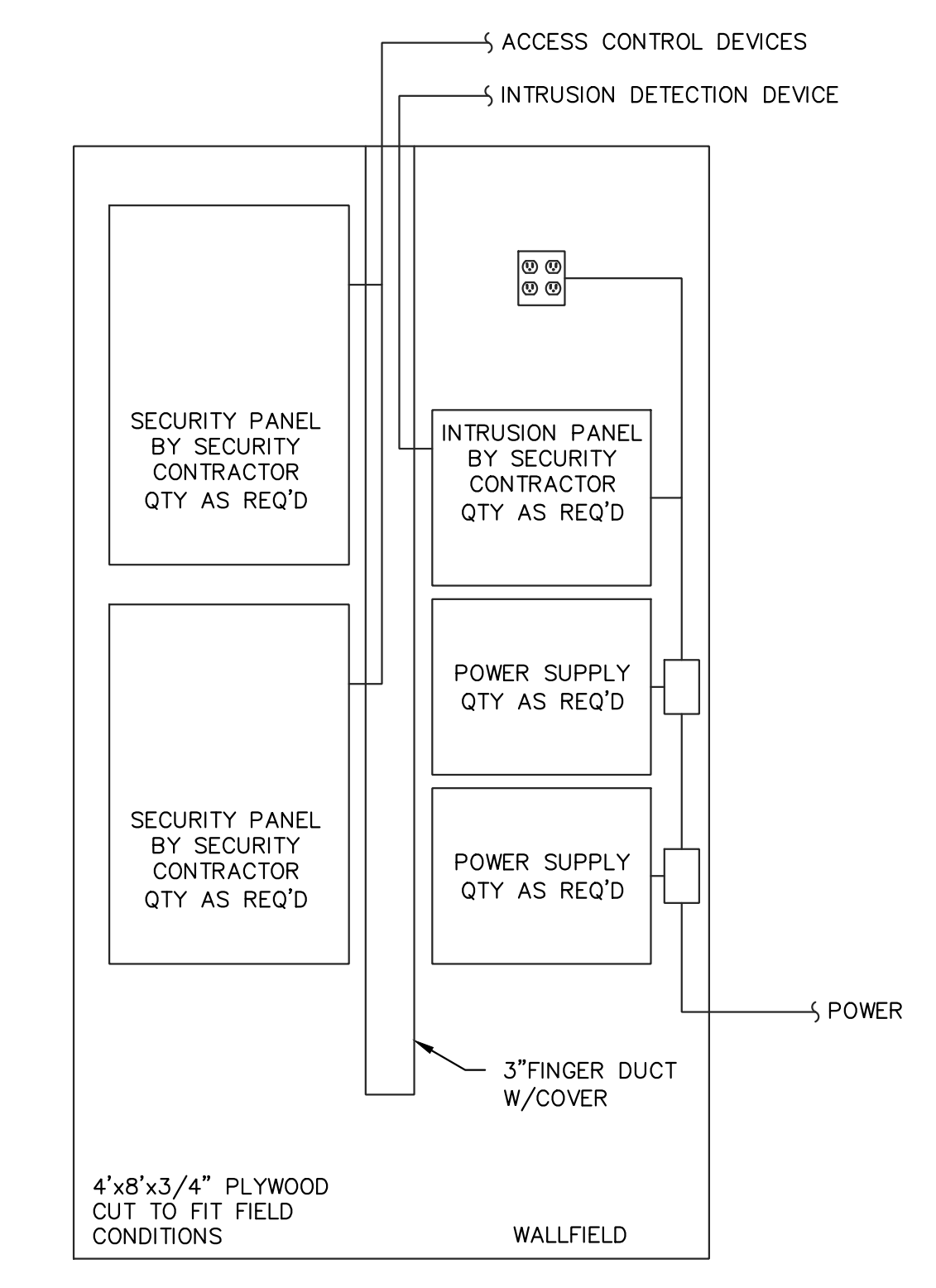


- NOTES:**
1. INSTALL A SELF-ADHESIVE, LASER PRINTER LABEL TO THE CAMERA THAT IS VISIBLE FROM BELOW THE DROP CEILING.
 2. LABEL SHALL BE OF STRONG ADHESIVE TO ATTACH TO CAMERA HOUSING. LABEL SHALL MATCH THE CAMERA NUMBER IN THE SOFTWARE.
 3. DEMONSTRATE TO THE DESIGNER THE LABEL AND WHERE THE LABEL WILL BE AFFIXED TO EACH CAMERA PRIOR TO INSTALLATION. AFFIX A LABEL TO EACH CAMERA

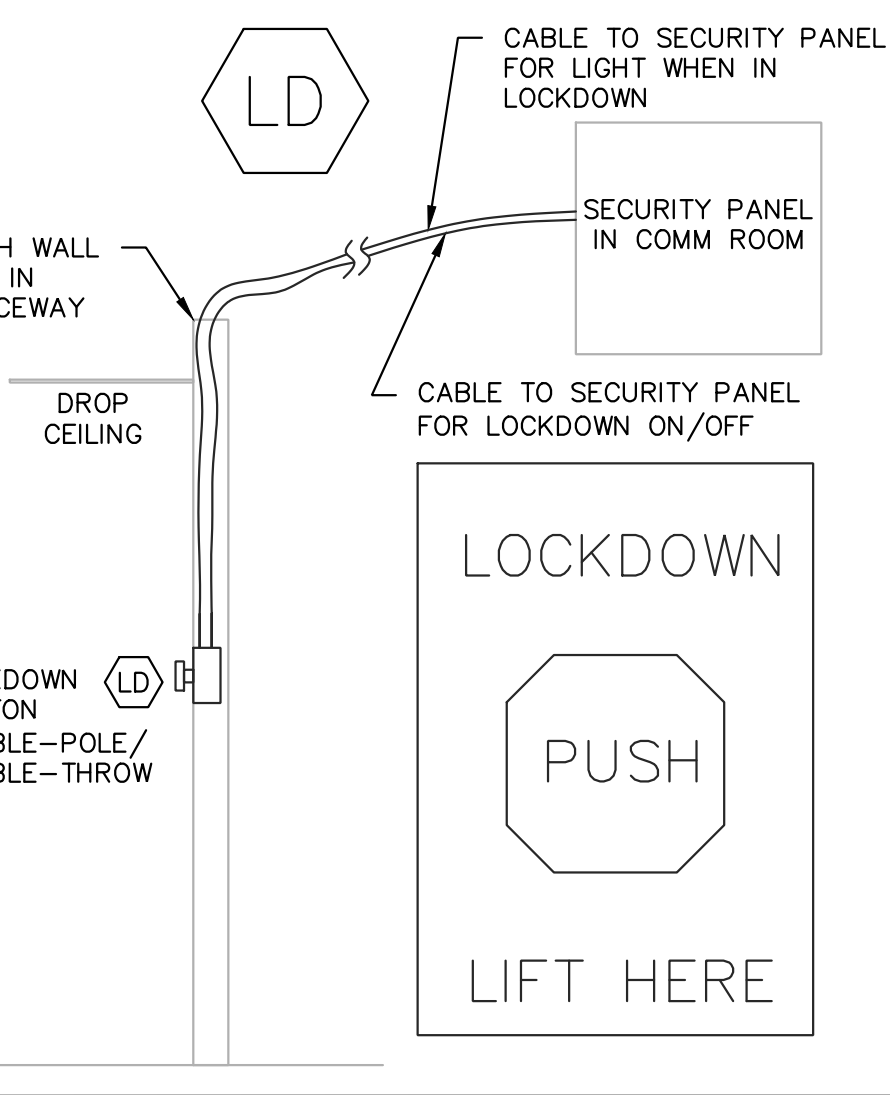


5 CAMERA LABELING VISIBLE PORTION OF THE BUILDING
TC501

- WALLFIELD NOTES:**
1. PLYWOOD SHALL BE INSTALLED ON THE WALL SHOWN IF SHOWN ON THIS DETAIL.
 2. PLYWOOD SHALL BE FIREPROOF & PAINTED WITH WITH PAINT.
 3. WHERE REQUIRED THE CONTRACTOR SHALL INSTALL FINGER DUCT TO ROUTE CABLES HORIZONTALLY & VERTICALLY ALONG THE WALLFIELD.
 4. CONNECT ALL NEWLY INSTALLED EQUIPMENT TO THE EXISTING GROUND BAR AS DESCRIBED IN THE GROUNDING DETAIL & THE GROUNDING SPECIFICATIONS.

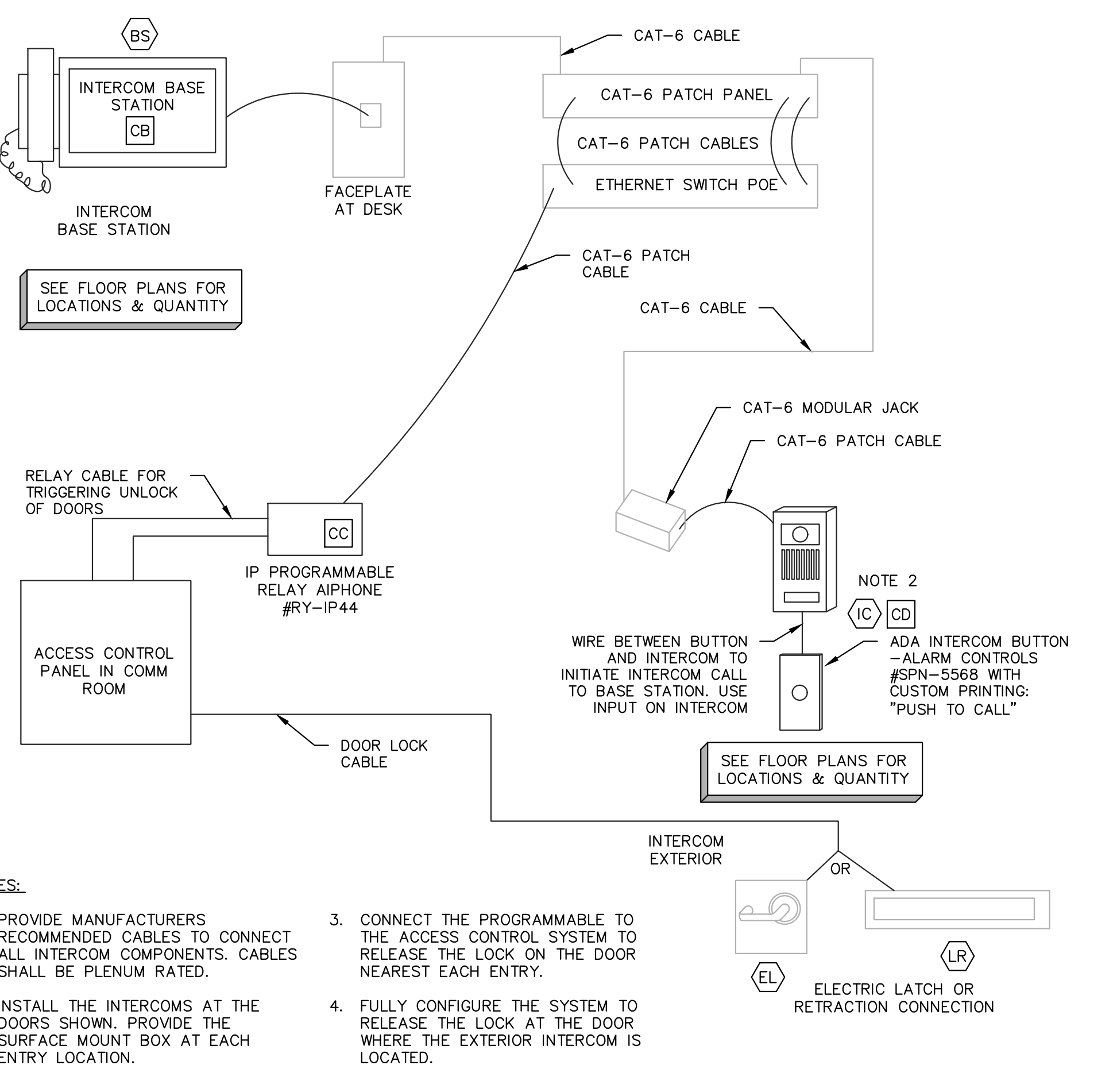


2 TYPICAL SECURITY WALLFIELD
TC501



- NOTES:**
1. INSTALL A LOCKDOWN BUTTON ON THE WALL IN THE SCHOOL OFFICE. BUTTON SHALL HAVE A PROTECTIVE GUARD THAT PREVENTS ACCIDENTAL PUSHING OF THE BUTTON
 2. WHEN BUTTON IS DEPRESSED THE SECURITY PANEL SHALL INITIATE A SERIES OF EVENTS INCLUDING LOCKING ALL DOORS AND OTHER TASKS AS REQUIRED BY THE OWNER.
 3. WHEN THE BUTTON IS RESET TO ITS ORIGINAL POSITION THE SECURITY SYSTEM SHALL BE RESET TO ITS REGULAR SCHEDULE.
 4. CONTRACTOR SHALL SUPPLY PLENUM CABLING AND SHALL PROVIDE ALL PANELS AND CONFIGURATION REQUIRED FOR INSTALLATION AND CONNECTION OF LOCKDOWN BUTTON AND STROBE LIGHT.
 5. WHEN PUSHED TO LOCKDOWN THE LIGHT SHALL BE LIT RED. WHEN PUSHED AGAIN OR PULLED OUT THE LIGHT SHALL BE OFF

3 LOCKDOWN BUTTON CONNECTIVITY ACCESS CONTROL PANEL
TC501



- NOTES:**
1. PROVIDE MANUFACTURERS RECOMMENDED CABLES TO CONNECT ALL INTERCOM COMPONENTS. CABLES SHALL BE PLENUM RATED.
 2. INSTALL THE INTERCOMS AT THE DOORS SHOWN. PROVIDE THE SURFACE MOUNT BOX AT EACH ENTRY LOCATION.
 3. CONNECT THE PROGRAMMABLE TO THE ACCESS CONTROL SYSTEM TO RELEASE THE LOCK AT THE DOOR NEAREST EACH ENTRY.
 4. FULLY CONFIGURE THE SYSTEM TO RELEASE THE LOCK AT THE DOOR WHERE THE EXTERIOR INTERCOM IS LOCATED.

4 ENTRY DOOR INTERCOM CONNECTIVITY DIAGRAM
TC501
NO SCALE

ACCESS CONTROL EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
CA	ACCESS CONTROL SYSTEM, SOFTWARE AND ASSOCIATED/REQUIRED SERVERS	SEE SPECS	SPECS
CB	INTERCOM BASE STATION	AIPHONE	IX-MV7-HW
CC	IP PROGRAMMABLE RELAY	AIPHONE	RY-IP44
CD	INTERCOM - SURFACE MOUNT. EQUIP WITH CUSTOM BACKBOX AND PUSHBUTTON BELOW. CUSTOM WIRE TO SUPPORT ADA APPROVED CALL BUTTON HEIGHT	AIPHONE /ALARM CONTROLS	IX-DV
CE	BADGE PRINTER	SEE SPECS	SEE SPECS
CF	BADGE ENROLLMENT PC AND CAMERA	SEE SPECS	SEE SPECS
CG	BLUE LIGHT/EMERGENCY PHONE	SEE SPECS	SEE SPECS

VIDEO SECURITY EQUIPMENT SCHEDULE

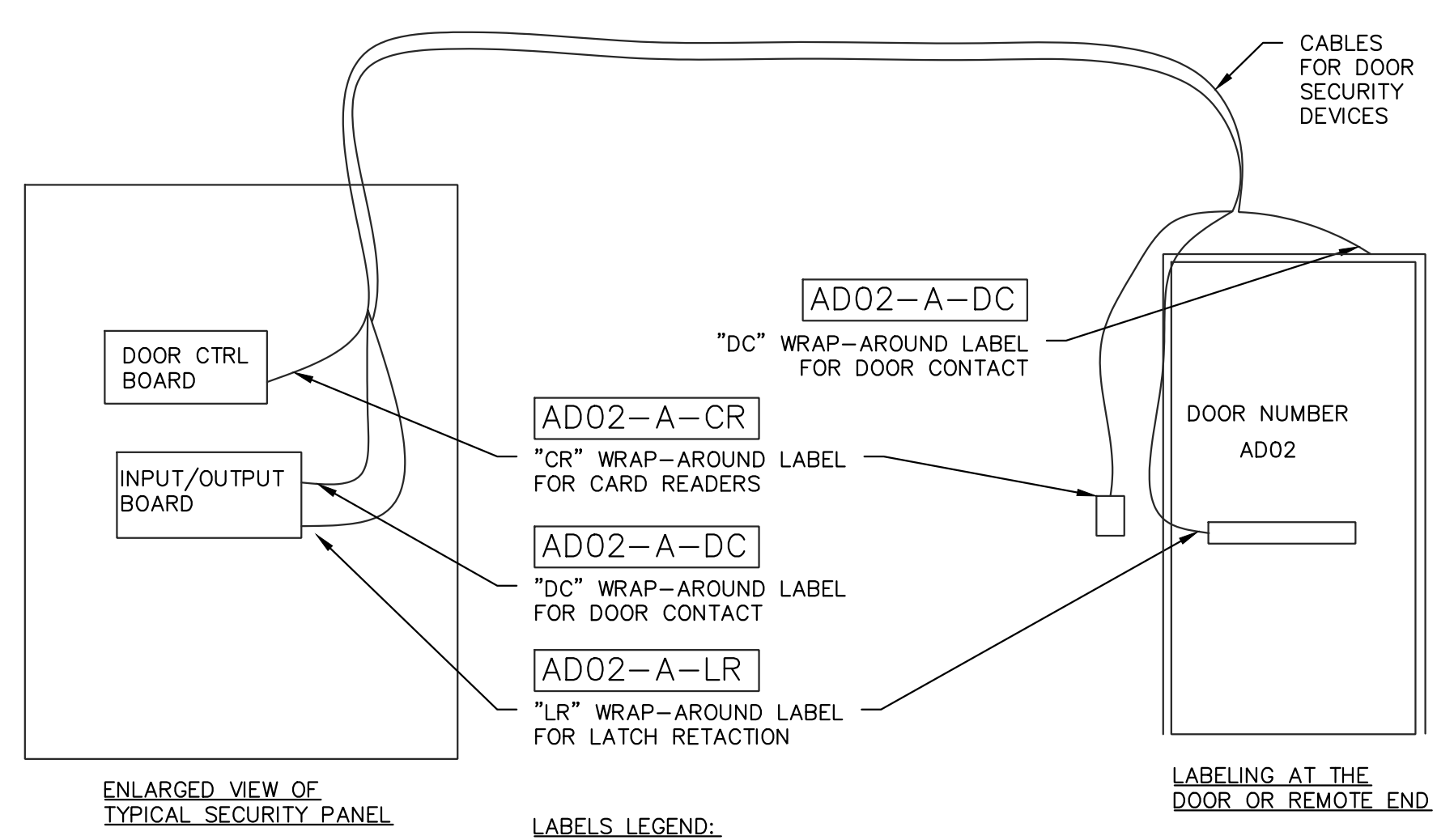
MARK	DESCRIPTION	MANUFACTURER	PART NO.
SA	HDTV 1080P FIXED MINI DOME WITH HDMI	AXIS	M3045-V
SB	MULTI-MEGAPIXEL FIXED MINI DOME WITH HDMI AND WIDE VIEW	AXIS	M3046-V 1.8MM
SC	STREAMLINED, OUTDOOR-READY HDTV 1080P FIXED DOME FOR ANY LIGHT CONDITIONS	AXIS	P3225-LVE MKII
SD	STREAMLINED, OUTDOOR-READY 5 MP FIXED DOME FOR ANY LIGHT CONDITIONS	AXIS	P3227-LVE
SE	8 MP MULTIDIRECTIONAL CAMERA WITH IR FOR 360 DEGREES COVERAGE	AXIS	P3717-PL
SF	FIXED DOME FOR SOLID PERFORMANCE IN HDTV 1080P	AXIS	Q3515-LV
SG	FULL 360 DEGREES OVERVIEW WITH ONE-CLICK PTZ CONTROL	AXIS	Q6000-E
SH	HIGH-SPEED PTZ WITH INSTANT LASER FOCUS	AXIS	Q6155-E

COMMUNICATION SYMBOL LEGEND

SYMBOL	DESCRIPTION
A	EQUIPMENT SCHEDULE, SEE DETAILS AND EQUIPMENT SCHEDULES ON TC101 ETC.
1	CABLE SCHEDULE, SEE COMMUNICATIONS CABLE SCHEDULE
XX	SECURITY DEVICES/RACEWAYS. SEE DETAIL DRAWINGS.
1	KEYNOTES, REFER TO NOTES ON THE SHEET FOR ADDITIONAL INFORMATION
○	SECURITY CAMERA, SEE SECURITY ONE-LINE DIAGRAM

ABBREVIATIONS

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
ZG	TWO-GANG BOX - PROVIDED BY EC	NIC	NOT IN CONTRACT
AC	ABOVE COUNTER - INSTALL BACKBOX SAME HEIGHT AS OTHER ELECTRICAL OUTLETS ABOVE THE COUNTER.	PBO	PROVIDED BY OTHERS
AFF	ABOVE FINISHED FLOOR	PCO-1	PATCH CORD ORGANIZER - 1 UNIT HIGH
AFG	ABOVE FINISHED GROUND	PCO-2	PATCH CORD ORGANIZER - 2 UNITS HIGH
AWG	AMERICAN WIRE GAUGE	PET	PROTECTED ENTRANCE TERMINAL
EMT	EMT TYPE CONDUIT	QTY	QUANTITY
EC	ELECTRICAL CONTRACTOR		



- LABELS LEGEND:**
- AD02 = DOOR NUMBER AS SHOWN ON DRAWINGS
A = COMM ROOM WHERE PANEL RESIDES
LR = TWO LETTER DESIGNATION FOR DEVICE THAT THE CABLE CONNECTS TO.

- NOTES:**
1. INSTALL A WRAP-AROUND LABEL AT EACH END OF EACH CABLE.
 2. WRAP-AROUND LABELS SHALL BE LASER-PRINTED AND BE SELF-LAMINATING.
 3. AT THE PANEL THE CABLE SHALL BE RELEASED AS IT CONNECTS TO THE PANEL. LABEL INDIVIDUAL SHEATHED CABLES IN A MULTI-SERVICE CABLE.
 4. AT THE DOOR INSTALL THE LABEL AT THE DEVICE WHERE IT IS CONNECTED.

1 TYPICAL ACCESS CONTROL CABLE LABELING
TC501

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4743 Cass Ave. Detroit, MI 48202

100% DD-VALADE FEB 06, 2019

Project
WSU - GATEWAY THEATER COMPLEX
WSU PROJECT NO. 2016034.00
Drawing Title
SECURITY LEGENDS, SCHEDULES & DETAILS

Project Number: 3995-001-00
Drawn By: IBB
Scale: AS INDICATED
Seal:

Signature: _____
Drawing No:

FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

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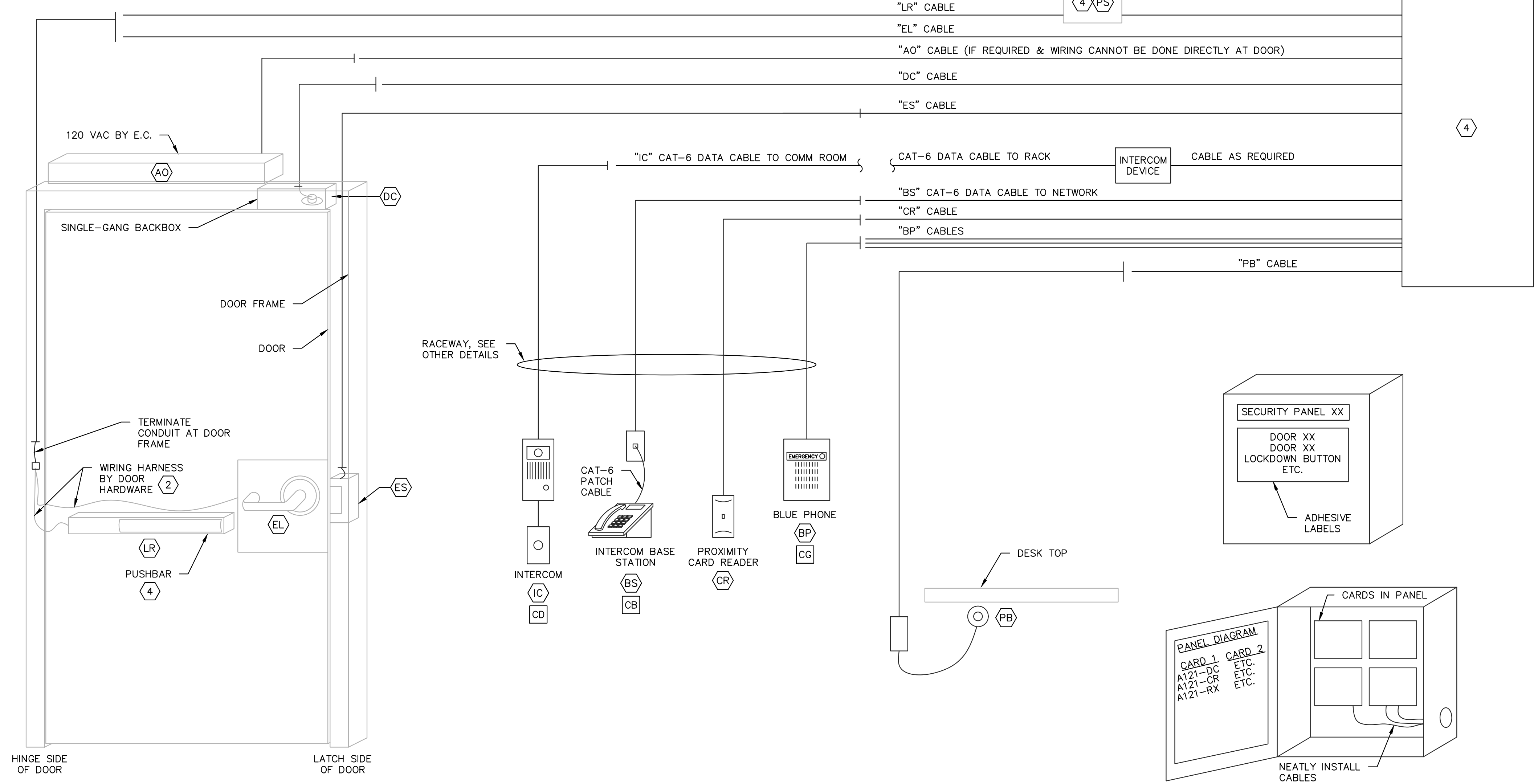
4743 Cass Ave, Detroit, MI 48202

ACCESS CONTROL SYSTEM DETAILS

CR	CARD READER - INSTALL TO THE BACKBOX OR IN THE DOOR FRAME. COORDINATE IN FIELD PRIOR TO ORDERING. WIRE TO SECURITY SYSTEM
EL	ELECTRIFIED LATCH - DEVICE IS IN THE DOOR, PROVIDED BY DOOR CONTRACTOR. WIRE THROUGH THE DOOR, THROUGH THE HINGE AND TO THE SECURITY PANEL
LR	LATCH RETRACTION DEVICE - THIS DEVICE IS AN ELECTRONIC PUSHBAR ON THE SECURE SIDE OF THE DOOR. WIRE FROM THIS DEVICE, THROUGH THE DOOR HINGE TO THE POWER SUPPLY IN THE CEILING. POWER SUPPLY IS BY DOOR CONTRACTOR.
ES	ELECTRIC STRIKE - STRIKE IS PROVIDED AND INSTALLED BY DOOR CONTRACTOR. WIRE FROM THIS DEVICE TO SECURITY PANEL. PROVIDE POWER SUPPLY IN COMM ROOM.
ML	MAGNETIC LOCK - THE LOCK SHALL BE PROVIDED BY THE DOOR HARDWARE SUPPLIER. WIRE FROM THIS DEVICE TO THE ACCESS CONTROL PANEL FOR CONTROL OF LOCKING AND UNLOCKING
IC	INTERCOM - INSTALL TO THE BOX OR SURFACE MOUNT TO THE WALL. WIRE TO THE COMM ROOM VIA CAT-6 CABLE
BS	INTERCOM BASE SYSTEM - THIS DEVICE SHALL BE INSTALLED AT THE RECEPTION DESK. WIRE TO COMM ROOM VIA CAT-6 CABLE
PB	PUSH BUTTON - THIS SHALL TRIGGER A SINGLE EVENT OR SERIES OF EVENTS IN THE SECURITY SYSTEM WHEN DEPRESSED. BELOW DESK, WIRE TO SECURITY PANEL
AO	ASSISTED OPENER - THIS MECHANICALLY OPENS A DOOR. IT IS INSTALLED BY THE DOOR HARDWARE CONTRACTOR. COORDINATE LOCKS AND ALARMS WITH THIS OPENER AND ASSOCIATED OPENER BUTTONS.
AB	ASSISTED OPENER BUTTON - THIS BUTTON IS BY THE DOOR CONTRACTOR. IT IS NOTED FOR LOCATION. NO WORK REQUIRED.
PS	POWER SUPPLY - THE POWER SUPPLY IS PROVIDED BY THE DOOR HARDWARE SUPPLIER. CONTRACTOR SHALL WIRE FROM THE POWER SUPPLY TO THE LATCH RETRACTION DEVICE. INSTALL CABLE AND CONNECT THE POWER SUPPLY TO THE SECURITY SYSTEM
DC	DOOR CONTACT - MOUNT ABOVE THE DOOR. WIRE TO SECURITY SYSTEM/INTRUSION DETECTION SYSTEM TO TRIGGER AN ALARM
MS	MOTION SENSOR, WIDE ANGLE - MOUNT IN THE CEILING AND SET IT TO COVER A LARGE AREA. WIRE TO THE SECURITY SYSTEM/INTRUSION DETECTION SYSTEM TO TRIGGER AN ALARM IF THE SYSTEM IS ARMED.
MT	MOTION SENSOR, LONG THROW - MOUNT IN THE CEILING AND SET IT TO COVER A LONG HALLWAY. WIRE TO THE SECURITY SYSTEM/INTRUSION DETECTION SYSTEM TO TRIGGER AN ALARM IF THE SYSTEM IS ARMED.
BP	BLUE LIGHT/EMERGENCY PHONE. MOUNT ON WALL OR POLE. A TOTAL OF THREE (3) CAT-6 CABLES ARE NEEDED FOR THE PHONE CONNECTION.

- KEYED NOTES:**
- CONTRACTOR SHALL EXTEND POWER FROM EXISTING OUTLET TO THE POWER SUPPLIES ON THE WALL. PROVIDE ALL RACEWAY AND WIRING FOR EXTENSION OF POWER.
 - FOR AN EL OR LR DEVICE THE DOOR HARDWARE SUPPLIER WILL PROVIDE A WIRING HARNESS FROM THE LOCK THROUGH THE HINGE AND INTO THE DOOR FRAME. SECURITY CONTRACTOR TO WIRE FROM PANEL OR POWER SUPPLY TO THE WIRING HARNESS.
 - PROVIDE A POWER SUPPLY TO SUPPORT THE ACCESS CONTROL PANEL AND FIELD DEVICES. WIRE TO THE PANEL AND 120 VOLT POWER.
 - POWER SUPPLY/CONTROLLER FOR LATCH RETRACTION DEVICES IS PROVIDED BY THE DOOR HARDWARE CONTRACTOR. CONNECTED TO 120VAC BY ELECTRICIAN. WIRE FROM THIS TO THE LR IN DOOR AND TO THE SECURITY PANELS.

- GENERAL NOTES:**
- REFER TO THE PLAN DRAWINGS FOR THE SPECIFIC FIELD DEVICE AND WHERE IT IS TO BE INSTALLED.
 - AT SOME LOCATIONS THE CARD READER WILL HAVE TO BE INSTALLED INTO THE DOOR FRAME. PROVIDE A FRAME TYPE READER AT THESE LOCATIONS.
 - ALL SECURITY DEVICES SHALL BE WIRED DIRECTLY BACK TO THE SECURITY SYSTEM PANELS. LOCATE PANELS ON THE WALLS OF COMMUNICATIONS ROOMS OR AS SHOWN ON THE FLOOR PLANS.
 - PROVIDE ALL SECURITY CABLES AND ALL SECURITY PANELS REQUIRED FOR CONNECTIVITY OF THE SYSTEM.
 - CONNECT THE FIRE ALARM SYSTEM TO THE ACCESS CONTROL SYSTEM TO UNLOCK ONE OR MORE DOORS AND RELEASE ANY HOLD OPENS IN CASE OF A FIRE ALARM.
 - LABEL THE OUTSIDE OF THE PANEL FOR THE DOORS AND DEVICES THAT ARE CONNECTED INSIDE THE PANEL. PROVIDE A PANEL DIAGRAM INSIDE THE PANEL THAT SHOWS THE CARDS AND WHAT IS CONNECTED TO EACH PORT ON THE CARDS.

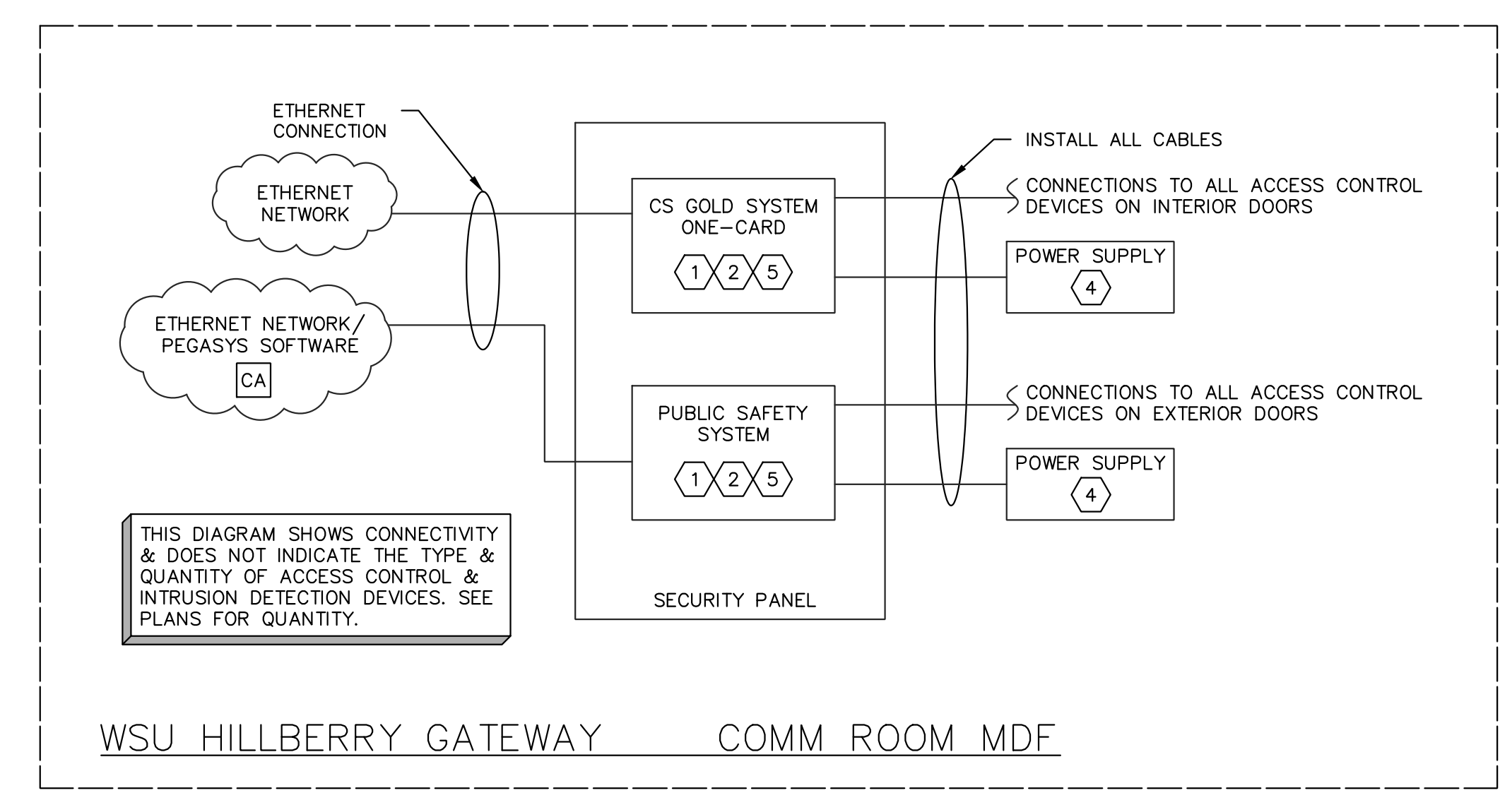


TYPICAL ACCESS CONTROL PANEL LABELING

1 DOOR HARDWARE & SECURITY EQUIPMENT CONNECTIVITY REQUIREMENTS
 TC503

CONNECTIVITY NOTES:

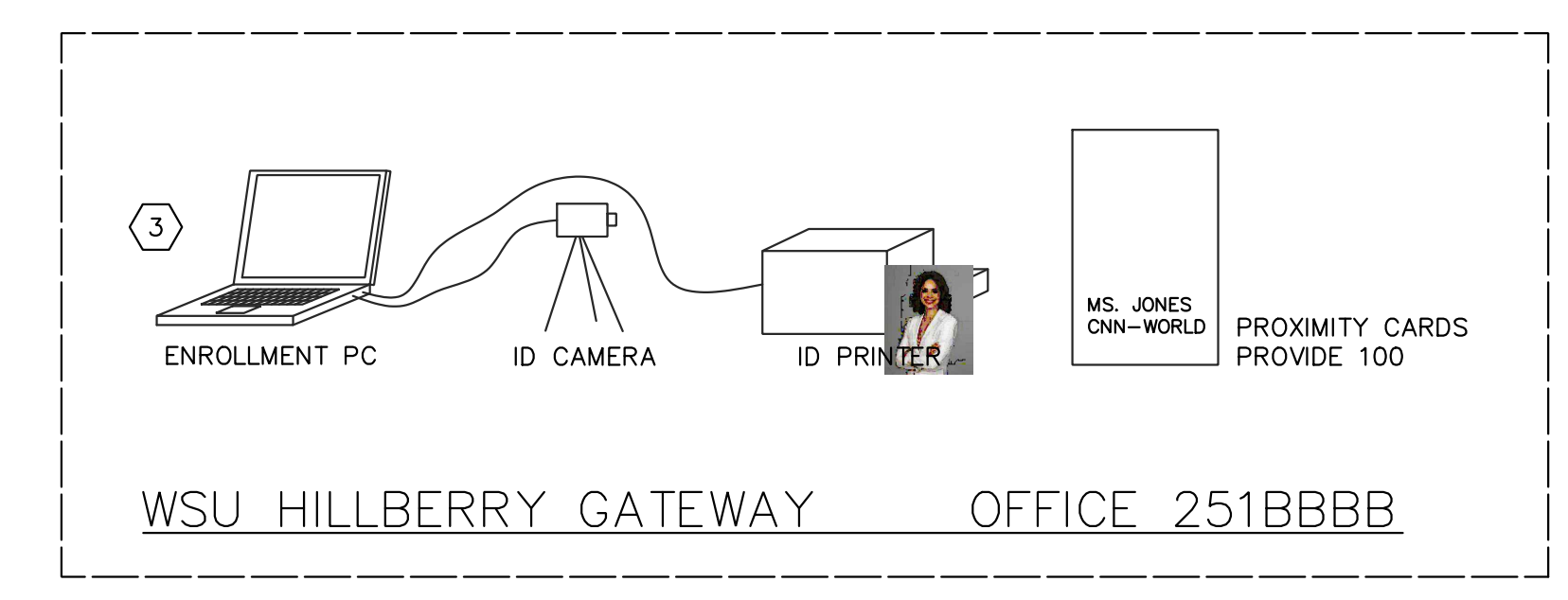
- THERE ARE A FEW EXISTING DOORS THAT HAVE ELECTRIC STRIKES AND CARD READERS. CONTRACTOR SHALL REWIRE THESE TO THE NEW PANELS. PROVIDE A NEW SERVER FOR THE DATABASE. INSTALL AND CONFIGURE.
- PROVIDE THE QUANTITY OF EACH ITEM AS SHOWN ON THE DRAWINGS.
- THE COMMUNICATIONS CONTRACTOR SHALL WORK WITH THE OWNER TO CONFIGURE THE SYSTEM TO MEET THE OWNERS REQUIREMENTS.
- CABLES FOR CONNECTION FROM THE ACCESS CONTROL PANELS SHALL BE PLENUM RATED.
- CONTRACTOR SHALL PROVIDE ALL CABLING FOR CONNECTION OF NEW SECURITY DEVICES. THE CABLES SHALL BE THE SAME COLOR. COORDINATE CABLE COLOR WITH OTHER CONTRACTORS SO THAT THE SECURITY CABLES ARE A UNIQUE COLOR.
- ALL CABLES SHALL BE LABELED AT EACH END. LABEL THEM WITH THE DOOR NUMBER AND THEN FOR THE DEVICE TO WHICH THEY CONNECT. IN EXAMPLE: P124-DC.
- THE CONTRACTOR SHALL INCLUDE SUFFICIENT TIME INTO THE PROJECT TO CUSTOM CONFIGURE THE ACCESS CONTROL SYSTEM TO INTERFACE AND CONTROL EACH SYSTEM SHOWN ON THE DIAGRAM AND DESCRIBED IN THE SPECIFICATIONS.



WSU HILLBERRY GATEWAY COMM ROOM MDF

KEYED NOTES:

- ACCESS CONTROL PANELS SHALL BE LOCATED WHERE SHOWN ON THE DRAWINGS. CONNECT ALL DEVICES TO THESE PANELS. ALSO PROVIDE CABLING TO CONNECT THE PANELS TO THE ETHERNET SWITCHES IN THE RACKS.
- WHERE MORE THAN ONE PANEL IS AT THE SAME LOCATION, THE CONTRACTOR CAN CONNECT ONE PANEL TO THE ETHERNET NETWORK AND CONNECT THE OTHER PANELS TO THE ETHERNET CONNECTED PANEL.
- PROVIDE AND INSTALL THE PHOTO BADGING DEVICES INCLUDING THE CARD PRINTER AND CAMERA.
- THE CONTRACTOR SHALL PROVIDE A POWER SUPPLY IN THE COMMUNICATIONS ROOM TO POWER ALL THE DOOR HARDWARE EXCEPT THE LATCH RETRACTION DEVICES. THE 'LR' DEVICES ARE POWERED LOCALLY. CONNECT THE POWER SUPPLY TO ALL DOOR HARDWARE DEVICES THAT REQUIRE POWER.
- THERE WILL BE PANELS IN ONE OR MORE COMMUNICATIONS ROOMS IN EACH BUILDING. SEE THE FLOORPLANS FOR SUGGESTED PANEL LOCATIONS. INSTALL PANELS AS NOTED AND AS REQUIRED. CONNECT TO THE DATA NETWORK IN EACH COMM ROOM.



WSU HILLBERRY GATEWAY OFFICE 251BBBB

2 ACCESS CONTROL DIAGRAM
 TC503

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 WSU PROJECT NO. 2016034.00
 Drawing Title

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Project

WSU - GATEWAY THEATER COMPLEX

WSU PROJECT NO. 2016034.00

Drawing Title

VIDEO SECURITY RACEWAY AND INSTALLATION DETAILS

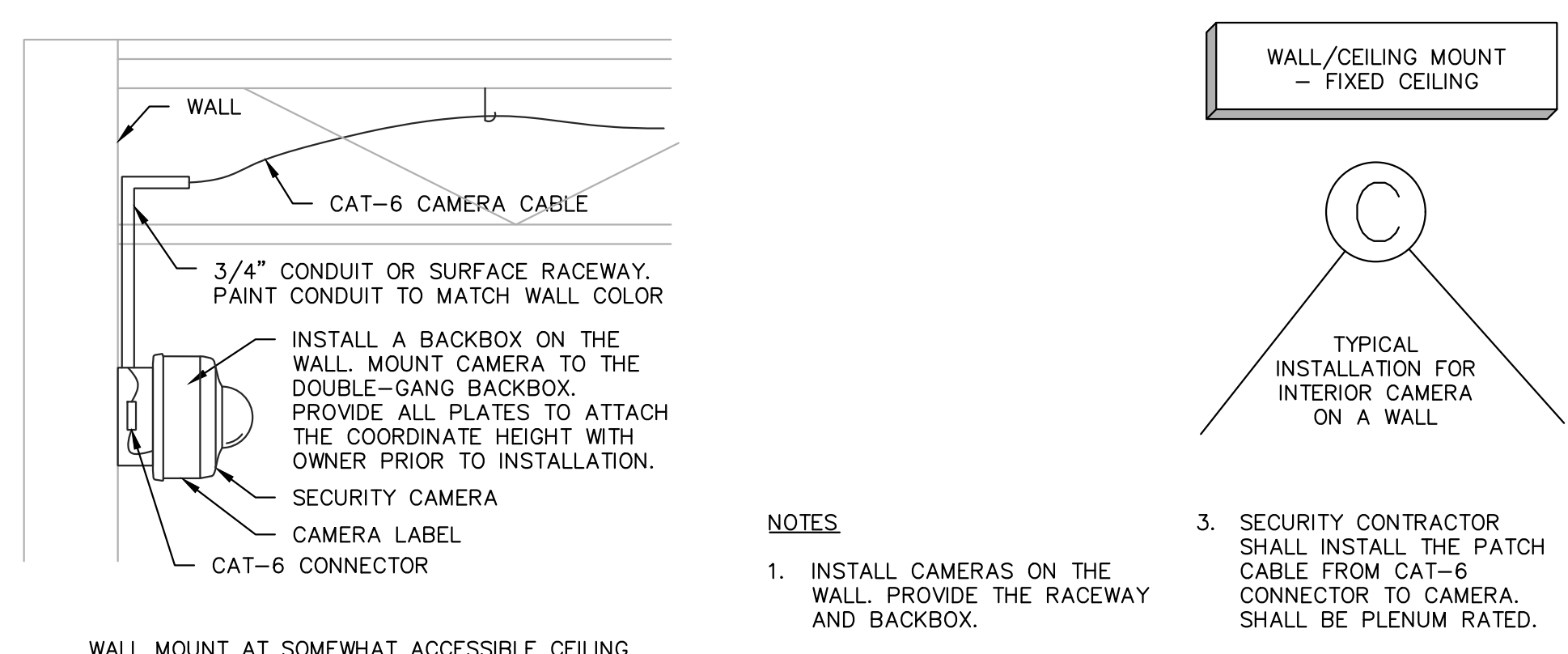
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Drawn By: IBB

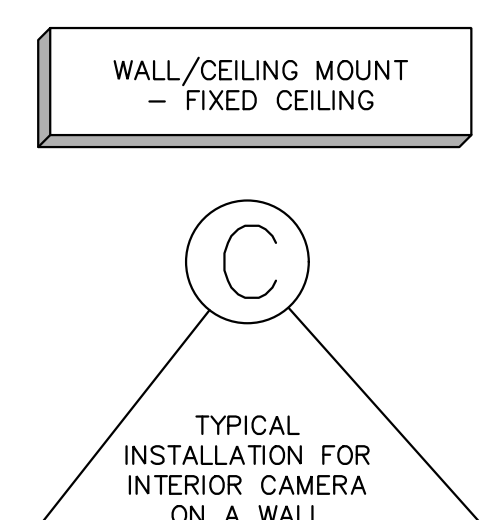
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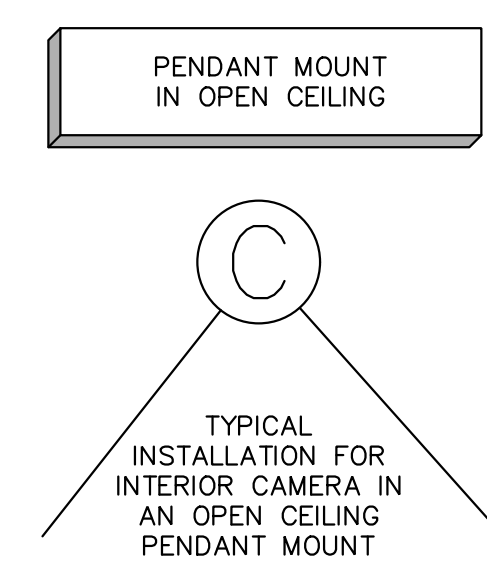
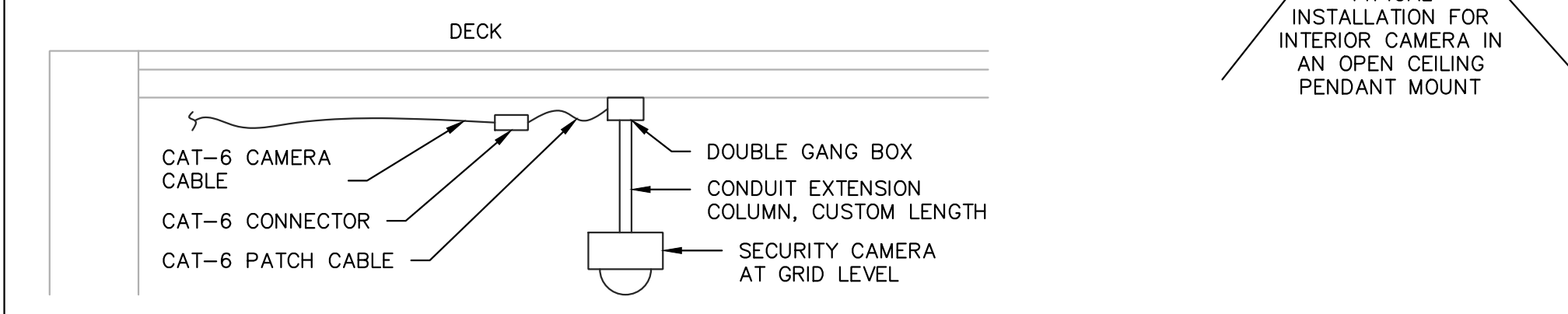
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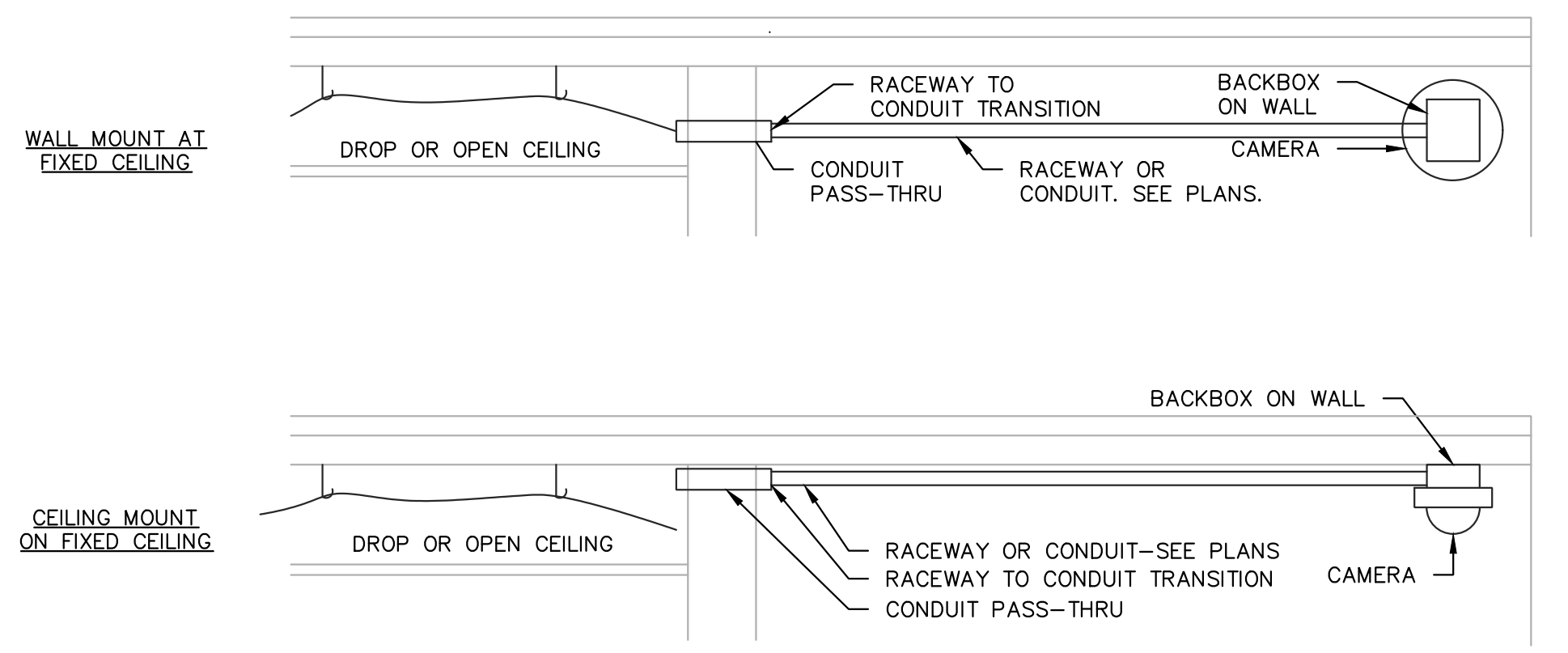
- NOTES:**
1. INSTALL CAMERAS ON THE WALL. PROVIDE THE RACEWAY AND BACKBOX.
 2. SEE SPECS AND DRAWINGS FOR INFORMATION ABOUT WHO INSTALLS CAT-6 CABLE FROM COMM ROOM TO CAMERA LOCATION.
 3. SECURITY CONTRACTOR SHALL INSTALL THE PATCH CABLE FROM CAT-6 CONNECTOR TO CAMERA. SHALL BE PLENUM RATED.
 4. INSTALL A LABEL ON THE CAMERA THAT IS VISIBLE FROM BELOW THE DROP CEILING.



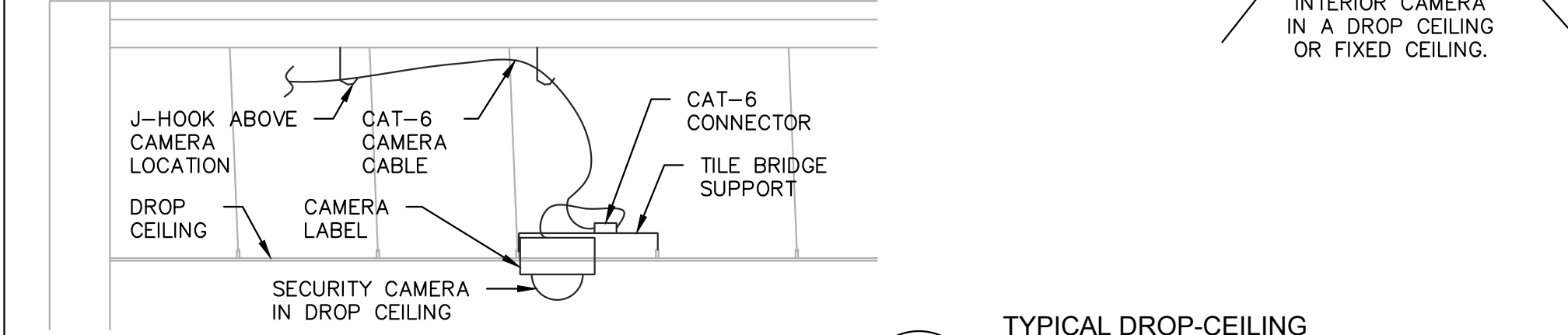
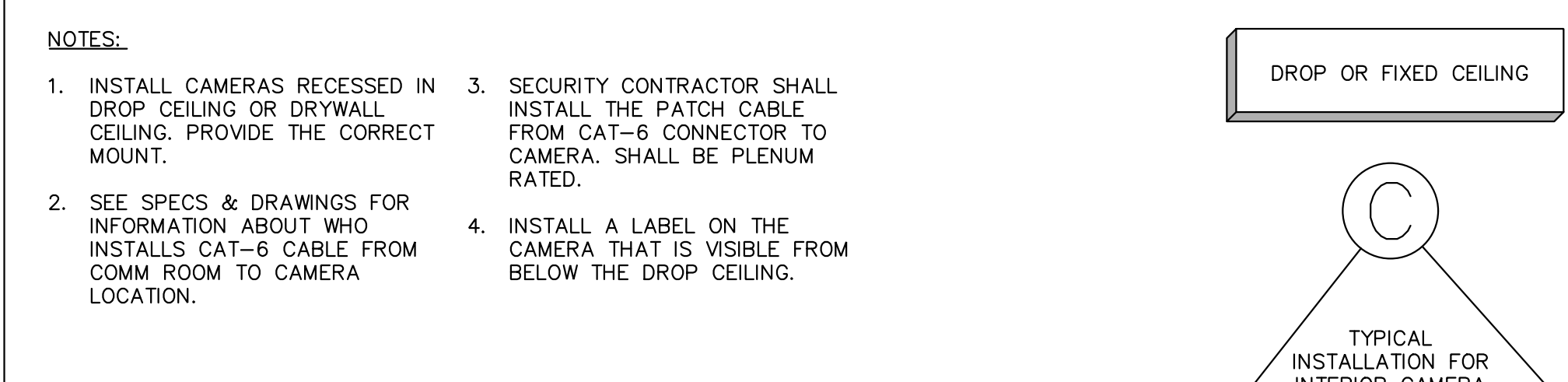
- NOTES:**
1. INSTALL CAMERA IN A PENDANT MOUNT SUPPORTED BY CONDUIT TO THE DECK.
 2. SEE SPECS & DRAWINGS FOR INFORMATION ABOUT WHO INSTALLS CAT-6 CABLE FROM COMM ROOM TO CAMERA LOCATION.
 3. SECURITY CONTRACTOR SHALL INSTALL THE PATCH CABLE FROM CAT-6 CONNECTOR TO CAMERA. SHALL BE PLENUM RATED.
 4. INSTALL A LABEL ON THE CAMERA THAT IS VISIBLE FROM BELOW.



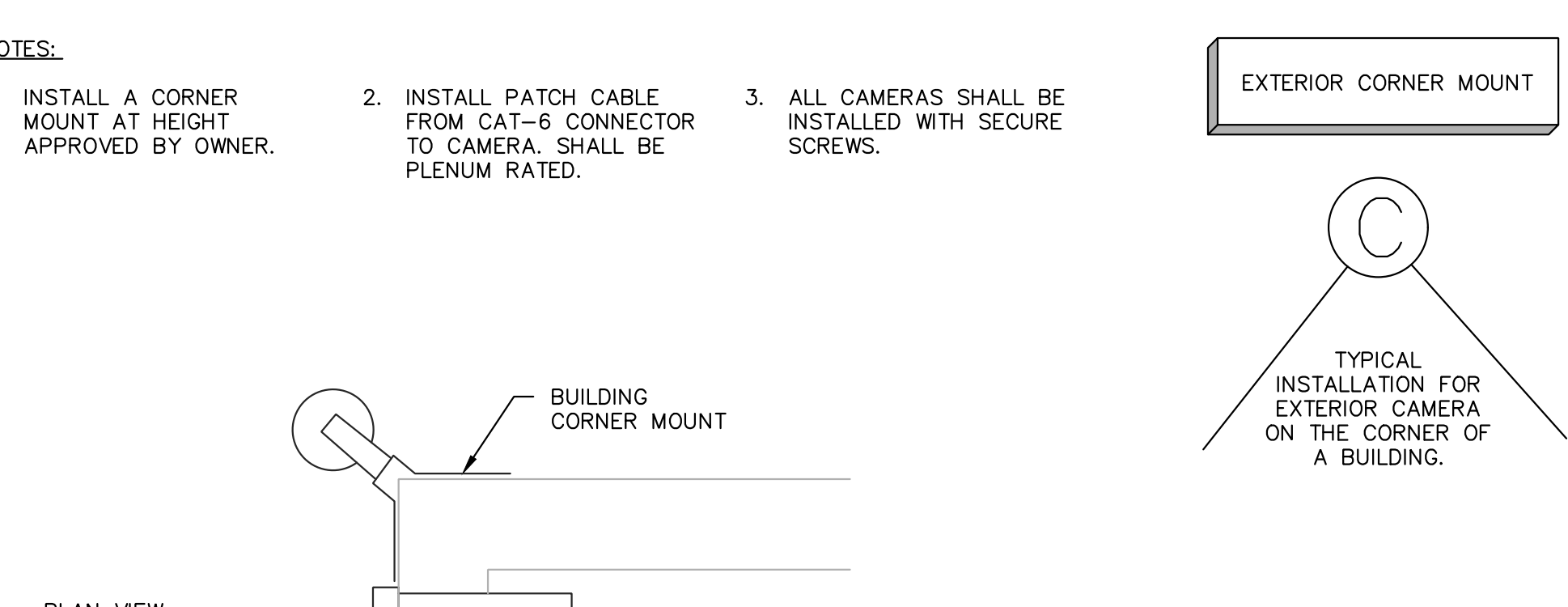
1 TYPICAL OPEN-CEILING (PENDANT) CAMERA INSTALLATION
 TC504



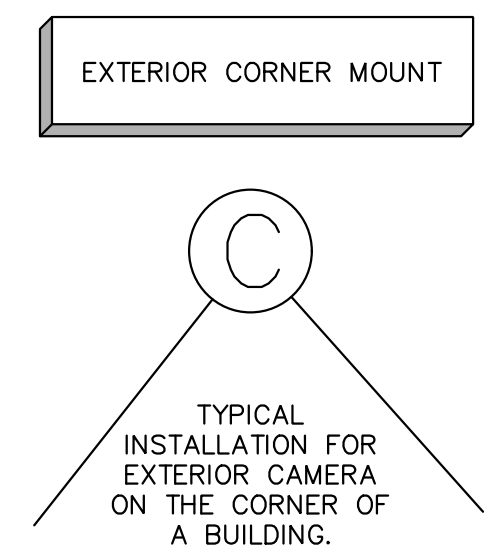
5 TYPICAL INTERIOR WALL/CEILING MOUNT CAMERA INSTALLATION
 NOT TO SCALE
 TC504



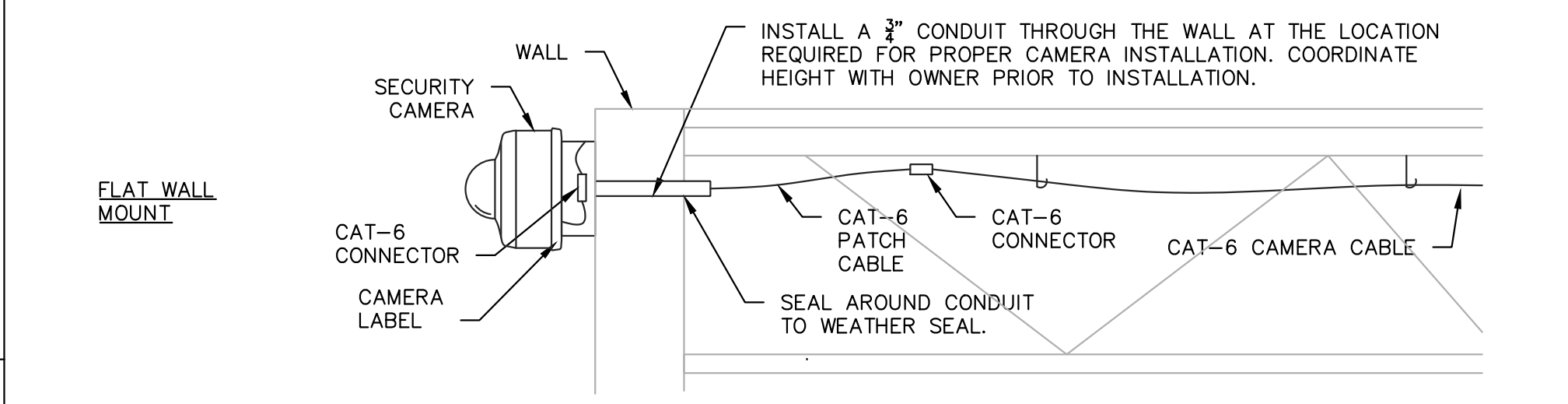
2 TYPICAL DROP-CEILING CAMERA INSTALLATION
 TC504



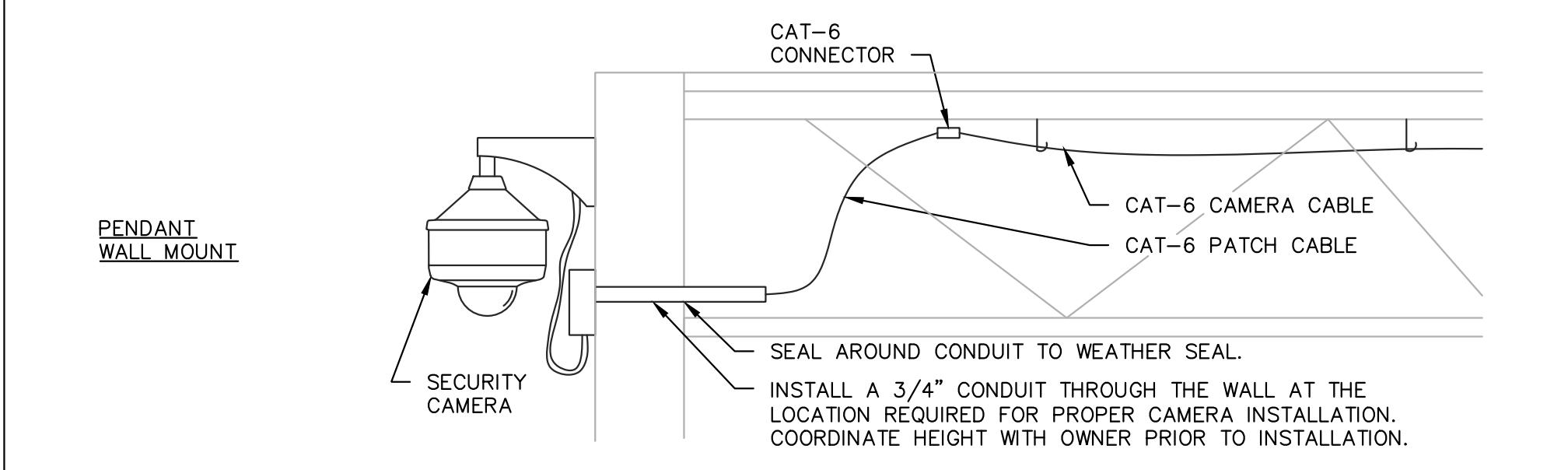
- NOTES:**
1. INSTALL A CORNER MOUNT AT HEIGHT APPROVED BY OWNER.
 2. INSTALL PATCH CABLE FROM CAT-6 CONNECTOR TO CAMERA. SHALL BE PLENUM RATED.
 3. ALL CAMERAS SHALL BE INSTALLED WITH SECURE SCREWS.



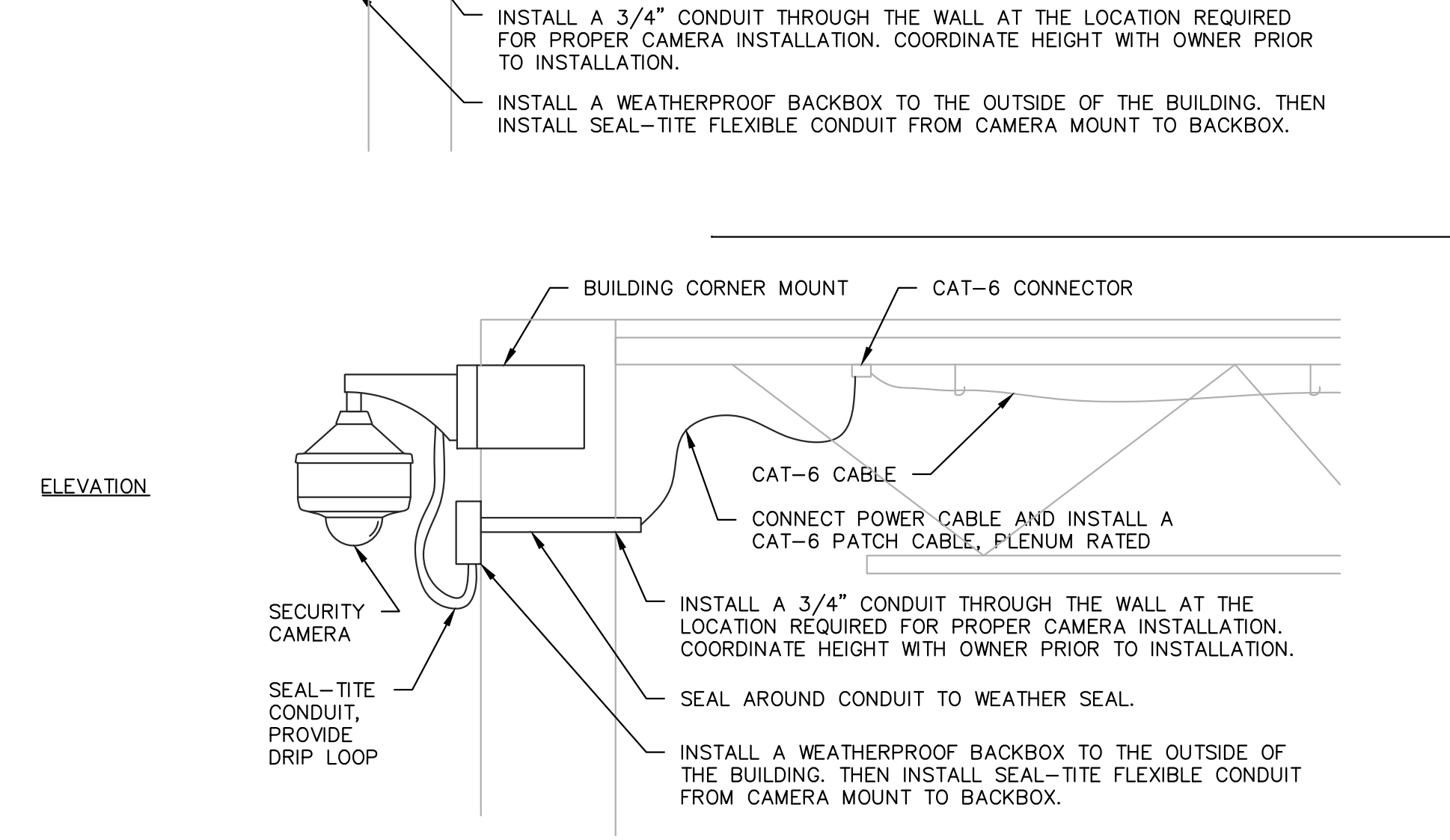
- NOTES:**
1. INSTALL CAMERAS TO THE EXTERIOR WALL. VERIFY HEIGHT WITH OWNER. INSTALL CONDUIT.
 2. SEE SPECS & DRAWINGS FOR INFORMATION ABOUT WHO INSTALLS CAT-6 CABLE FROM COMM ROOM TO CAMERA LOCATION.
 3. SECURITY CONTRACTOR SHALL INSTALL THE PATCH CABLE FROM CAT-6 CONNECTOR TO CAMERA. SHALL BE PLENUM RATED.
 4. WHERE THE CAMERA LOOKS OUT FROM THE BUILDING INSTALL THE FLAT WALL MOUNT. WHERE THE CAMERA IS SHOWN LOOKING ALONG THE BUILDING THE CONTRACTOR SHALL INSTALL THE PENDANT WALL MOUNT.



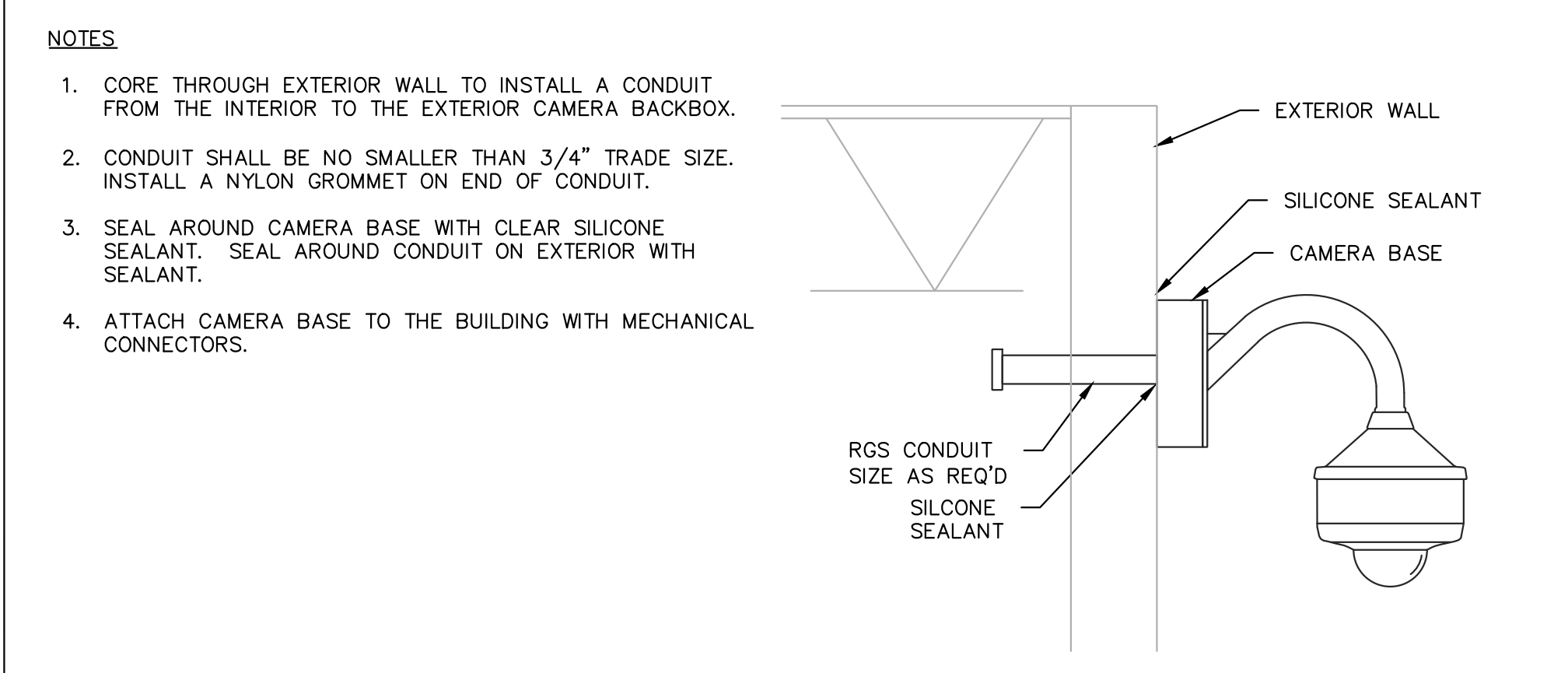
EITHER MOUNT TYPE IS APPROPRIATE. AT LOCATIONS WHERE THE CAMERA IS AIMED TO PROVIDE AN IMAGE ALONG THE EXTERIOR WALL THEN THE SECOND MOUNT TYPE (PENDANT WALL MOUNT) IS PREFERRED.



3 EXTERIOR WALL MOUNT CAMERA DETAILS
 NOT TO SCALE
 TC504



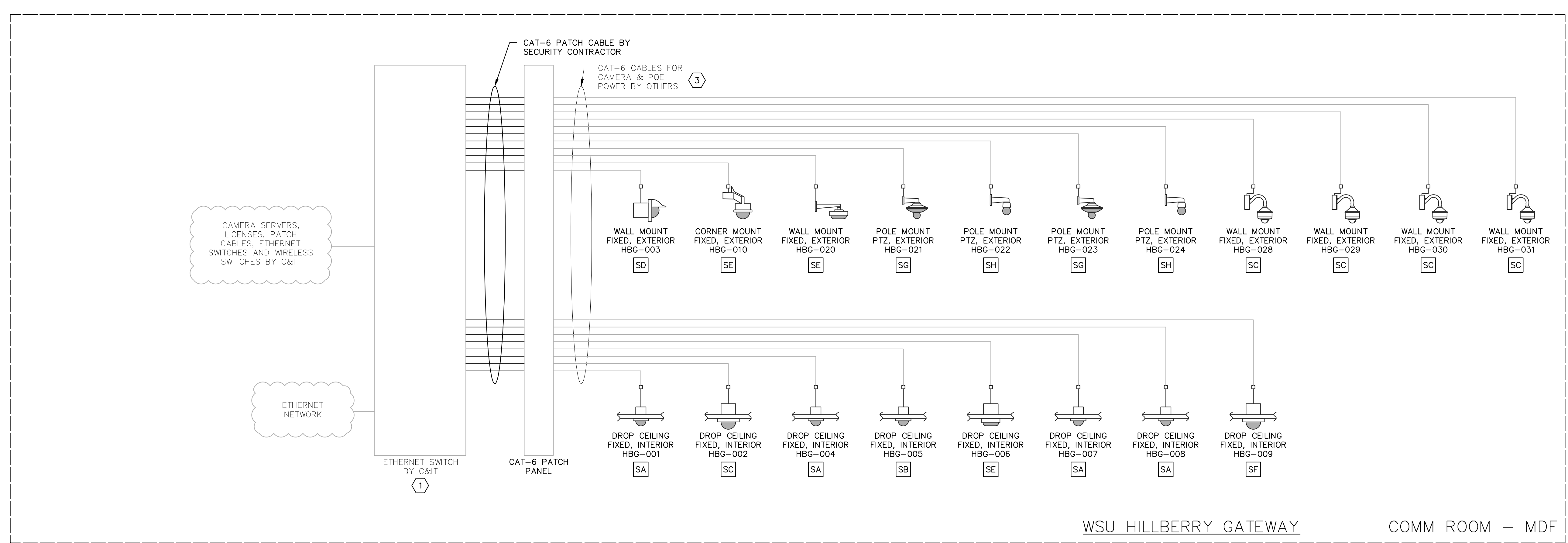
6 EXTERIOR CORNER, WALL MOUNT CAMERA INSTALLATION
 NOT TO SCALE
 TC504



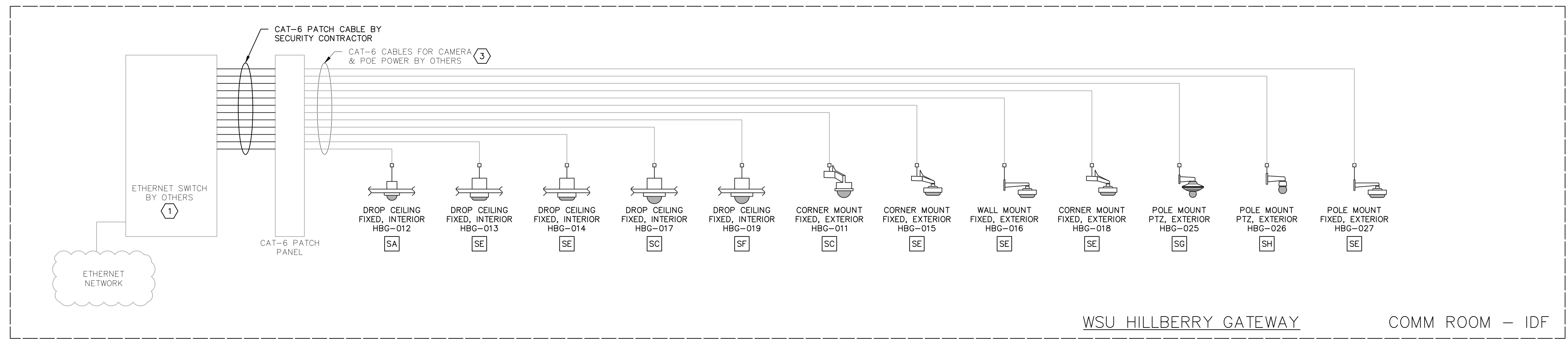
- NOTES:**
1. CORE THROUGH EXTERIOR WALL TO INSTALL A CONDUIT FROM THE INTERIOR TO THE EXTERIOR CAMERA BACKBOX.
 2. CONDUIT SHALL BE NO SMALLER THAN 3/4" TRADE SIZE. INSTALL A NYLON GROMMET ON END OF CONDUIT.
 3. SEAL AROUND CAMERA BASE WITH CLEAR SILICONE SEALANT. SEAL AROUND CONDUIT ON EXTERIOR WITH SEALANT.
 4. ATTACH CAMERA BASE TO THE BUILDING WITH MECHANICAL CONNECTORS.

4 CAMERA THROUGH WALL RACEWAY & SEALANT DETAIL
 TC504

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WSU HILLBERRY GATEWAY COMM ROOM - MDF



WSU HILLBERRY GATEWAY COMM ROOM - IDF

- GENERAL SECURITY NOTES:**
- CONTRACTOR SHALL PROVIDE ALL PATCH CABLES AT THE CAMERA AND AT THE COMM ROOM.
 - THE CONTRACTOR SHALL SUPPLY ANY & ALL BALUNS, COUPLERS ADAPTERS & CONVERTERS THAT ARE REQUIRED FOR THE INTER-CONNECTION OF ALL THE SECURITY COMPONENTS.
 - THE CAMERA CABLES SHALL TRANSPORT ALL VIDEO SIGNALS & CONTROL SIGNALS & POWER SIGNALS.
 - CONTRACTOR SHALL PROVIDE THE CORRECT CAMERA MOUNT BASED ON CAMERA LOCATION AND STRUCTURE AVAILABLE. PROVIDE RECESSED CAMERA MOUNTS IN DROP CEILINGS.
 - CONTRACTOR SHALL INSTALL AND CONFIGURE REMOTE VIEWING & CONTROL SOFTWARE ON THE FOLLOWING: -(NUMBER (X)) MONITOR COMPUTERS PROVIDED AS PART OF THIS BID.
 -(NUMBER (X)) OWNER PC'S
 -(NUMBER (X)) WIRELESS TABLETS/SMARTPHONES.
 - CONTRACTOR SHALL MEET WITH THE OWNER AND DETAIL ALL THE CAPABILITIES OF THE SYSTEM. THE CONFIGURATION OF THE RECORDER AND CAMERAS SHALL BE BASED ON THESE MEETINGS WITH THE OWNER.
 - WHERE THE CAMERA IS NOT INSTALLED INTO A DROP CEILING THE CONTRACTOR SHALL PROVIDE A MOUNT AND HOUSING. PROVIDE WEATHERPROOF MOUNTS ON EXTERIOR CAMERAS.
 - FOR EXTERIOR CAMERAS, THE CONTRACTOR SHALL PROVIDE A HEATER INSIDE EACH CAMERA MOUNT.
 - CONTRACTOR SHALL PROVIDE THE CORRECT LENS TO EACH CAMERA BASED ON THE INSTALLED LOCATION AND THE OWNERS REQUIREMENTS FOR THE FIELD OF VIEW. WORK WITH THE OWNER DURING INSTALLATION.
 - ALL CAMERAS SHALL CONNECT TO THE IP NETWORK SWITCH IN THE COMMUNICATIONS ROOM. CONTRACTOR SHALL WORK WITH THE OWNER ON CONFIGURATION OF THE ETHERNET SWITCH.
 - NETWORK VIDEO RECORDER(S) (NVR) SHALL BE LOCATED IN THE XXXX BUILDING AND ARE TO BE PROVIDED BY THE CONTRACTOR. CONTRACTOR SHALL PROVIDE AND CONFIGURE ALL VMS AND SYSTEM SOFTWARE REQUIRED.

- KEYED NOTES:**
- THE DATA NETWORK AND ALL ETHERNET SWITCHES WILL BE PROVIDED BY C&T. THE SECURITY CONTRACTOR SHALL MEET WITH THE OWNER TO CONFIRM ALL NETWORK SPECIFICATION REQUIREMENTS FOR A VLAN OR OTHER QUALITY OF SERVICE SETTINGS FOR THE CAMERA SYSTEM.
 - PROVIDE ALL PATCH CABLES REQUIRED FOR CONNECTION OF ALL CAMERAS AT THE CAMERA AND AT THE NETWORK SWITCH. ALL PATCH CABLES SHALL BE GREEN IN COLOR.
 - CAT-6 CABLES FROM THE COMM ROOM TO THE CAMERA ARE INSTALLED BY THE CABLING CONTRACTOR. INSTALL PATCH CABLES FROM OUTLET TO CAMERA.
 - THE SERVER(S) WILL BE LOCATED IN THE XXXXXXXX BUILDING. CONTRACTOR SHALL LOAD ALL SOFTWARE REQUIRED TO RECORD AND MANAGE ALL CAMERAS THROUGHOUT THE BUILDINGS.
 - PROVIDE A KVM (KEYBOARD/VIDEO/MOUSE) SWITCH/RACK MOUNT MONITOR FOR THE VIDEO SECURITY SYSTEM. CONNECT TO ALL SERVERS PROVIDED AS PART OF THIS PROJECT.

REFER TO THE PLANS FOR CAMERA LOCATIONS

1 VIDEO SECURITY DIAGRAM
 WSU HILLBERRY GATEWAY
 TC505

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Lighting	Auerbach Glasow 1045 Sansome Street, Suite 300 San Francisco, CA 94111 415.392.7528
Acoustics	Jaffe Holden 114-A Washington Street Norwalk, CT 06864 203.838.4168

4743 Cass Ave. Detroit, MI 48202

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Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 2016034.00
 Drawing Title
VIDEO SECURITY ONE-LINE DIAGRAM

Project Number: 3995-001-00
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 Scale: AS INDICATED
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Signature: _____
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TC505

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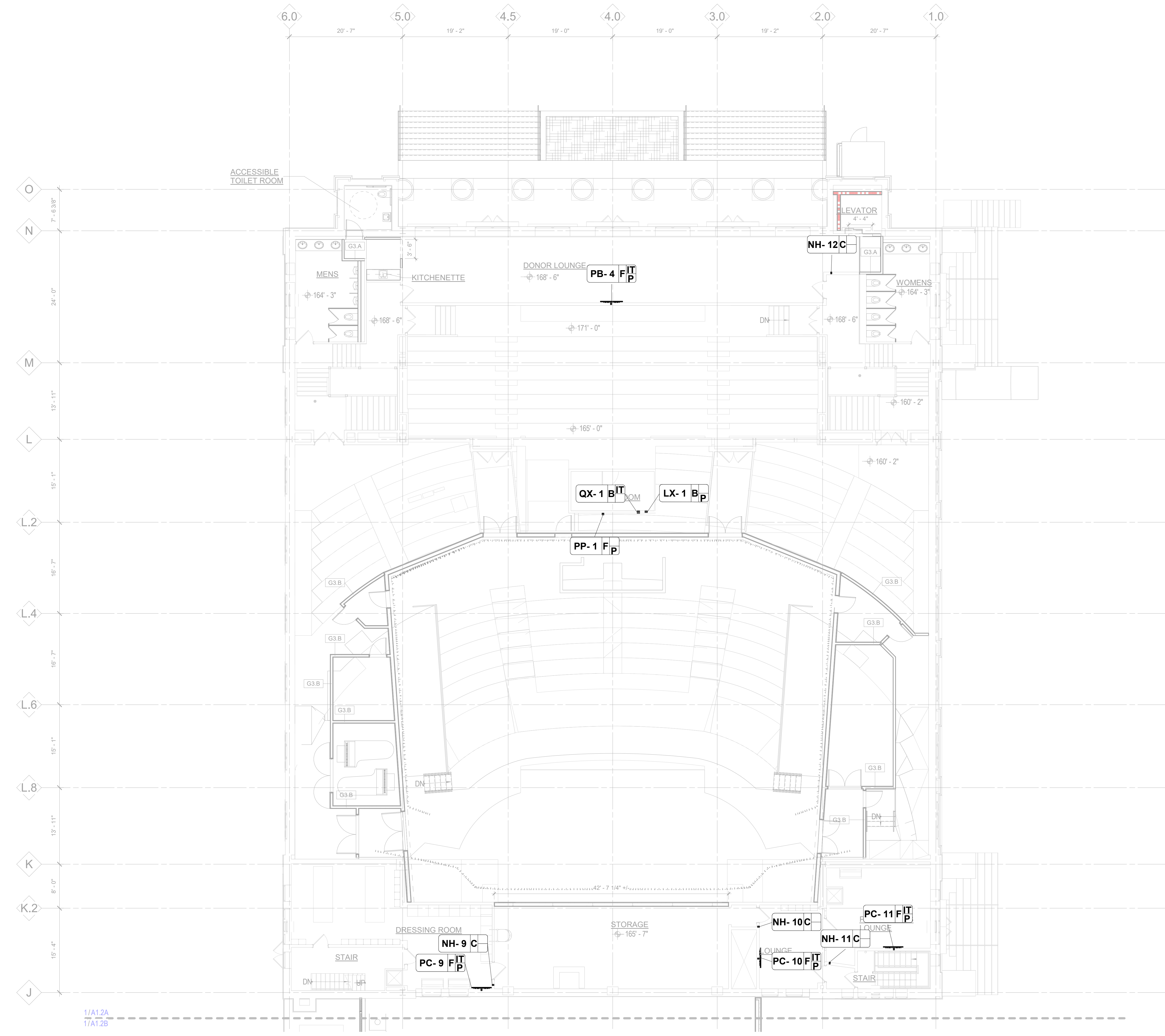
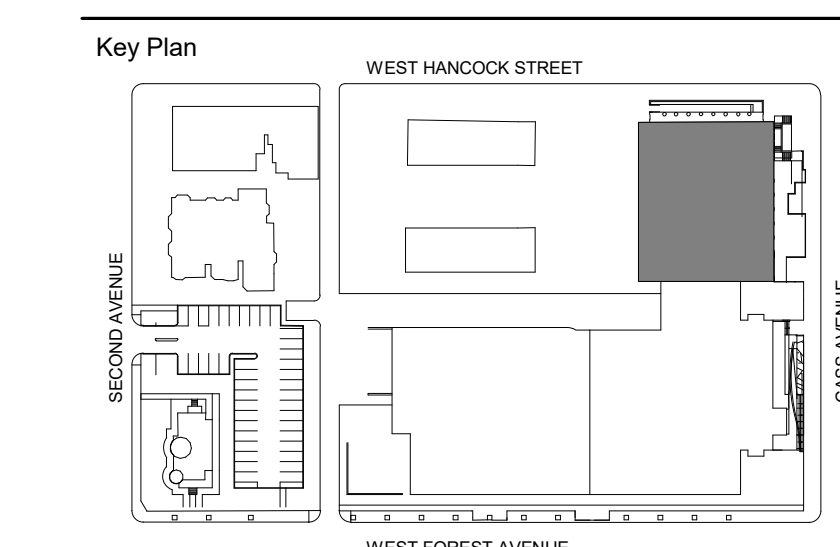
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DETROIT, MI



100% DESIGN DEVELOPMENT FEB. 06, 2019

Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
AV - LEVEL TWO PLAN - SECTOR A

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: 1/8" = 1'-0"
 Seal:

Signature: _____
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 NOT FOR CONSTRUCTION

AV - LEVEL TWO - A
 1/8" = 1'-0"

1/A1.2B
 1/A1.2C

1/A1.2A
 1/A1.2B

Owner Wayne State University FP&M
 5454 Cass Ave
 Detroit, MI 48202
 313.577.2424

Contractor Walbridge
 777 Woodward Ave, Suite 300
 Detroit, MI 48202
 313.963.8000

Executive Architect Hamilton Anderson
 1435 Randolph Street, Suite 200
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 313.964.0270

Design Architect HGA
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 612.758.4000

MEP Engineer HGA
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 612.758.4000

Structural Engineer DESI / NASR Consulting Engineers
 6765 Daly Road
 West Bloomfield, MI 48322
 248.392.2010

Civil Engineer Spalding DeDecker
 905 South Blvd East
 Rochester Hills, MI 48307
 800.598.1600

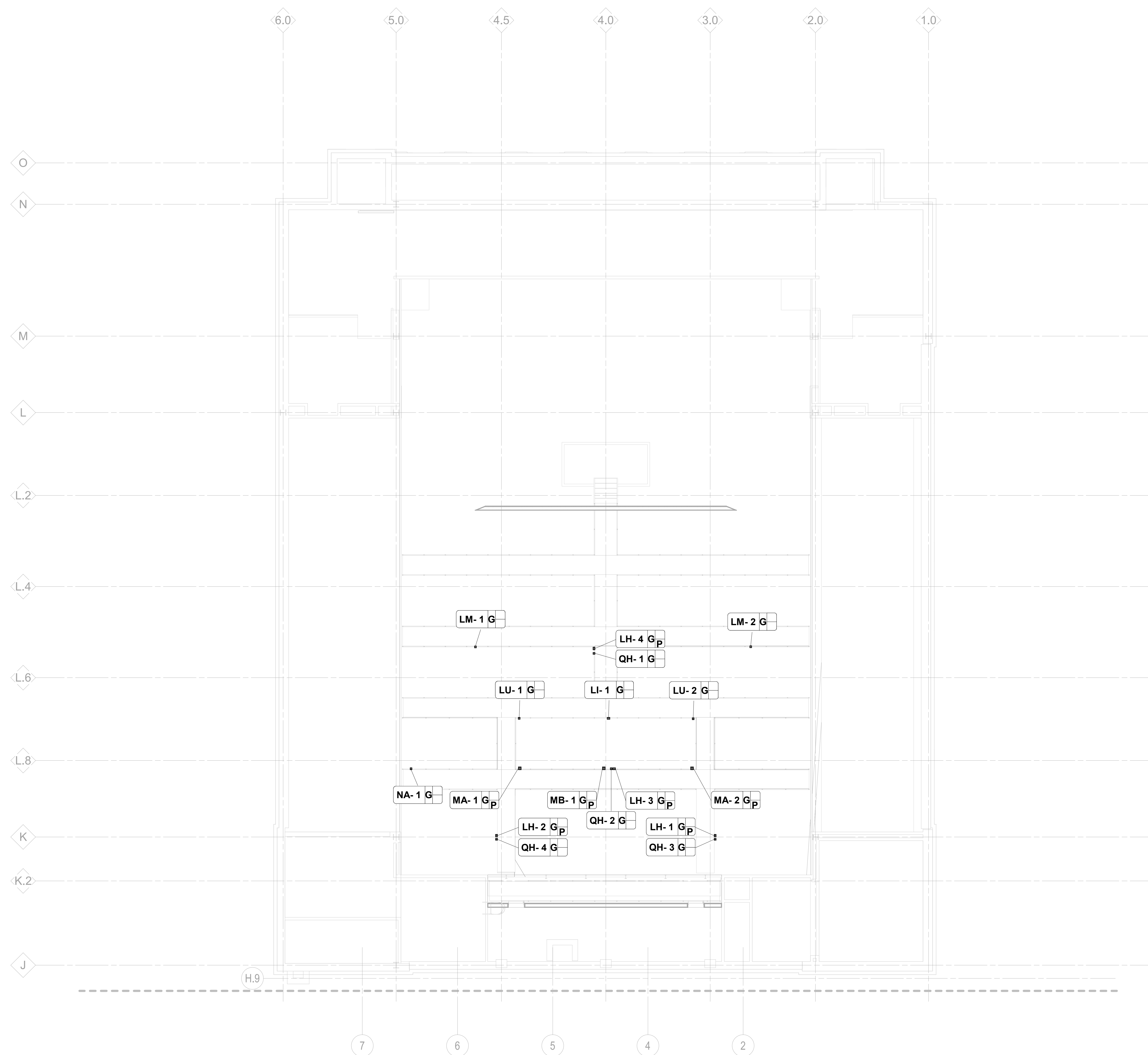
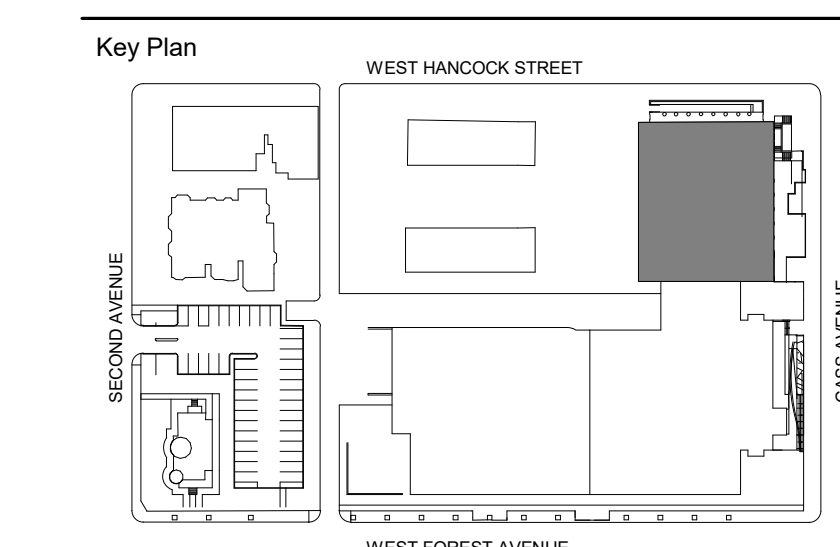
Landscape Architect Hamilton Anderson
 1435 Randolph Street, Suite 200
 Detroit, MI 48226
 313.964.0270

Theatrical Auerbach Pollock Friedlander
 285 West 37th Street
 New York, NY 10018
 212.764.5630

Lighting Auerbach Glasow
 1945 Sansome Street, Suite 300
 San Francisco, CA 94111
 415.392.7528

Acoustics Jaffe Holden
 114-A Washington Street
 Norwalk, CT 06864
 203.636.4168

DETROIT, MI



AV - TECHNICAL LEVEL - A
 1/8" = 1'-0"

100% DESIGN DEVELOPMENT FEB. 06, 2019

Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
AV - TECH LEVEL PLAN - SECTOR A

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: 1/8" = 1'-0"
 Seal:

Signature: _____
 Drawing No: _____

FOR REFERENCE ONLY -
 NOT FOR CONSTRUCTION

Owner: Wayne State University FP&M
 5454 Cass Ave
 Detroit, MI 48202
 313.577.2424

Contractor: Walbridge
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 Detroit, MI 48202
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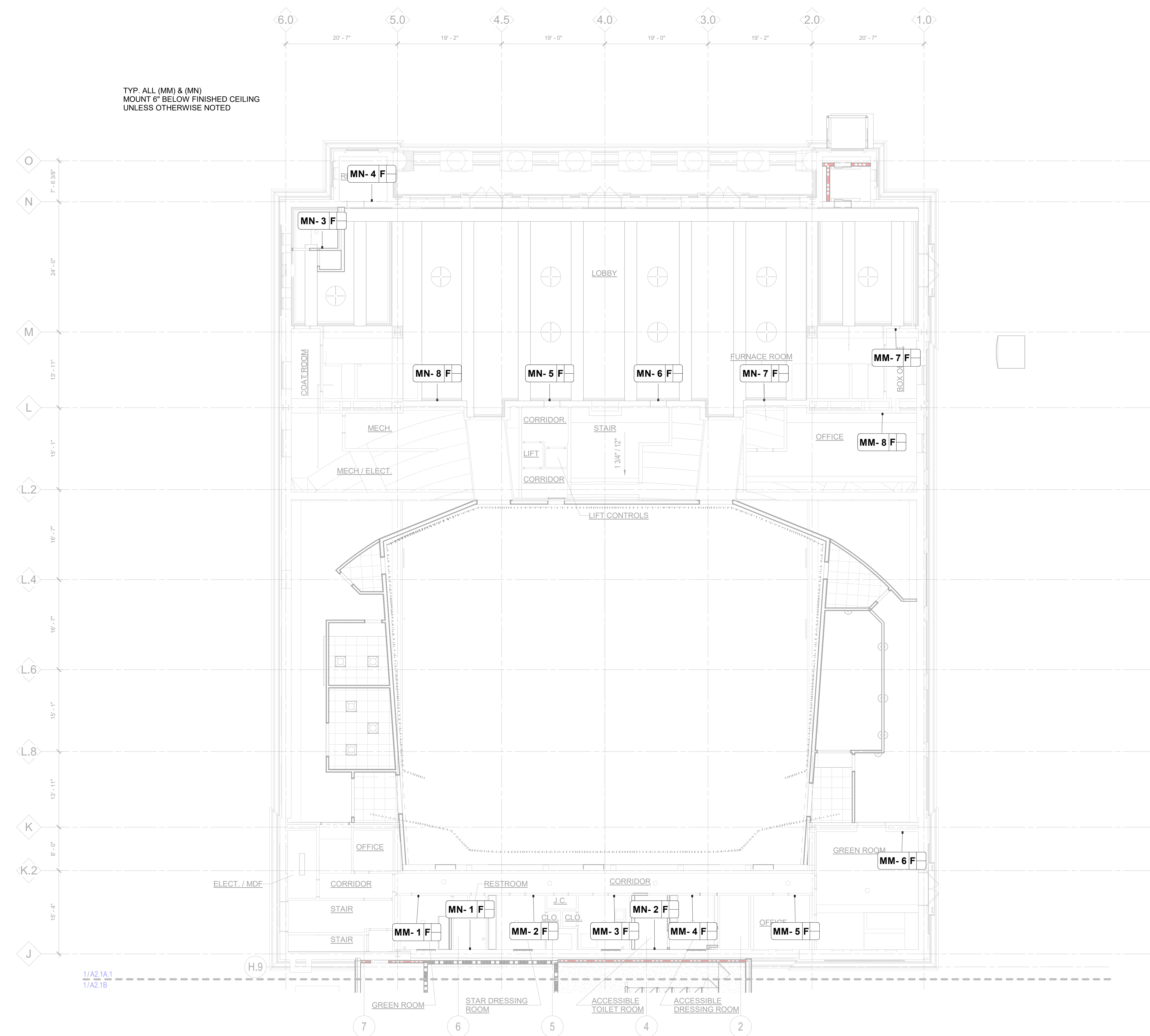
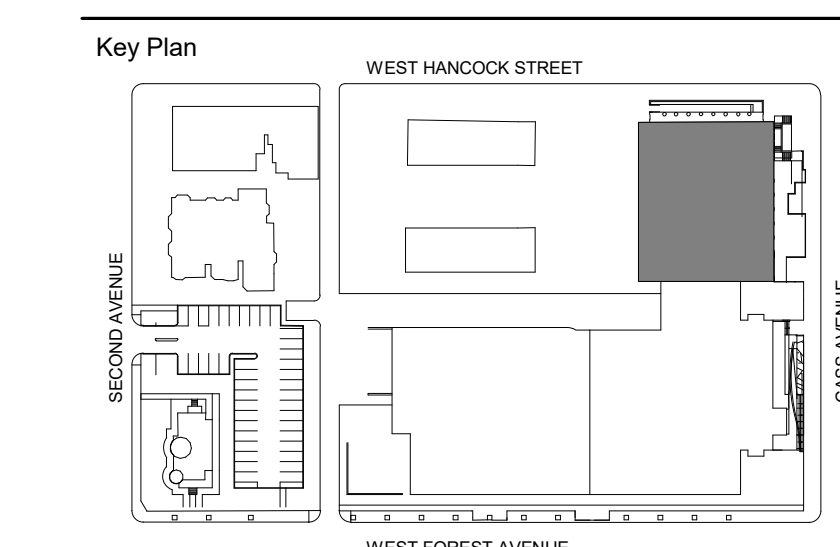
Landscape Architect: Hamilton Anderson
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 Detroit, MI 48226
 313.964.0270

Theatrical: Auerbach Pollock Friedlander
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 New York, NY 10018
 212.764.5630

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 114-A Washington Street
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 203.838.4188

DETROIT, MI



1/A2.1A.1
 1/A2.1B

AV - LEVEL ONE RCP - A
 1/8" = 1'-0"

100% DESIGN DEVELOPMENT FEB. 06, 2019

Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
AV - LEVEL ONE REFLECTED CEILING PLAN - SECTOR A

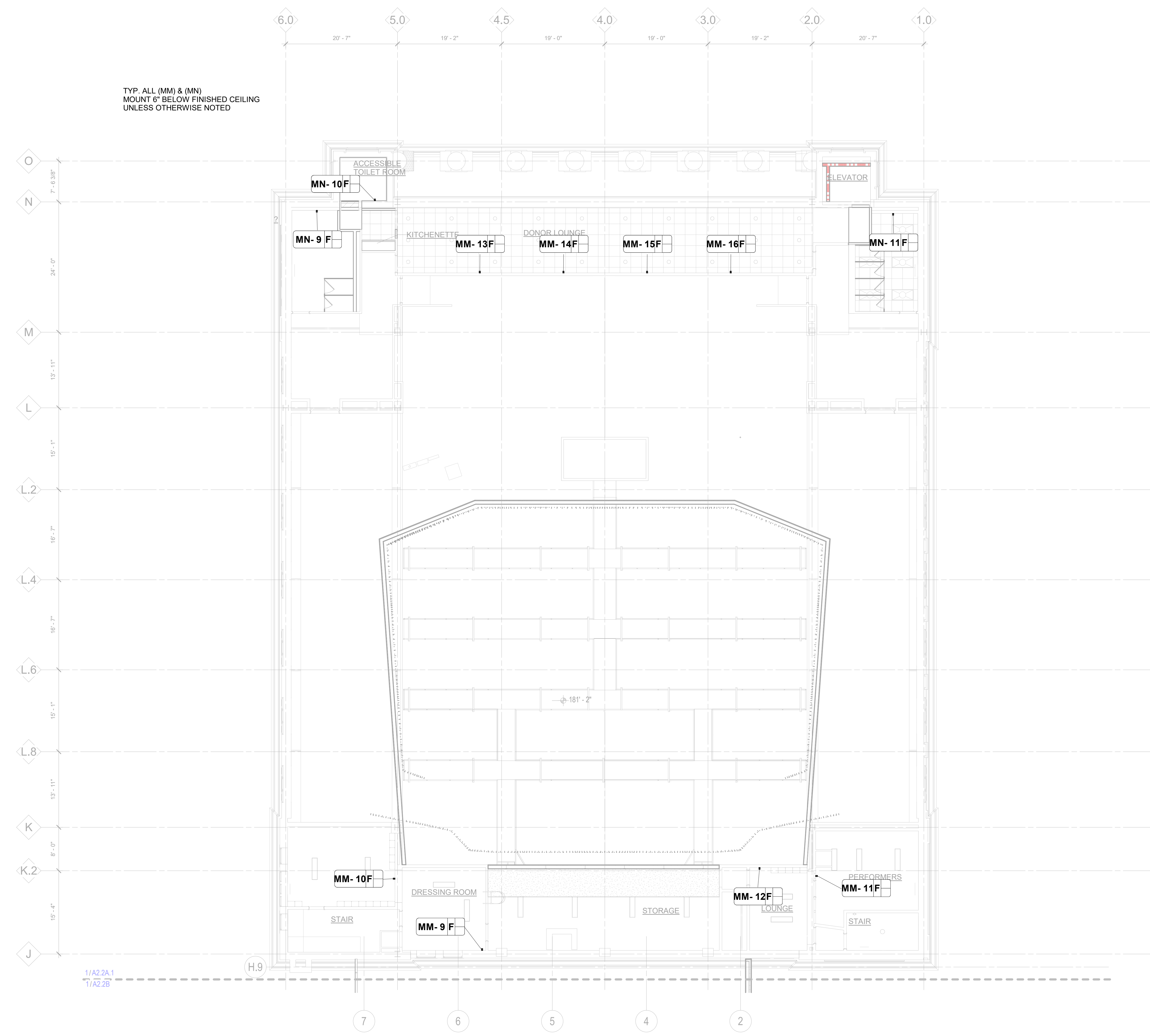
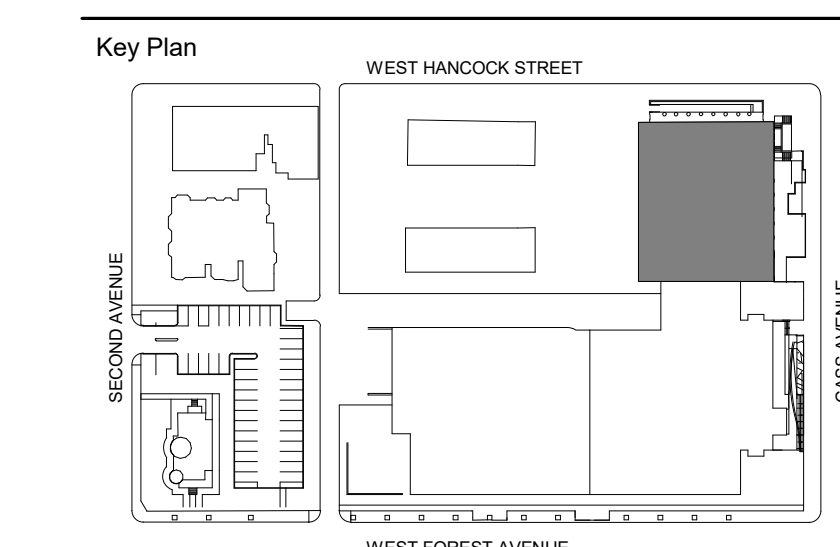
Project Number: 3995-001-00
 Drawn By: Designer
 Scale: 1/8" = 1'-0"
 Seal:

Signature:
 Drawing No:

FOR REFERENCE ONLY -
 NOT FOR CONSTRUCTION

- Owner: Wayne State University FP&M
 5454 Cass Ave
 Detroit, MI 48202
 313.577.2424
- Contractor: Walbridge
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 313.963.8000
- Executive Architect: Hamilton Anderson
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- Civil Engineer: Spalding DeDecker
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 114-A Washington Street
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 203.636.4168

DETROIT, MI



TYP. ALL (MM) & (MN)
 MOUNT 6" BELOW FINISHED CEILING
 UNLESS OTHERWISE NOTED

100% DESIGN DEVELOPMENT FEB. 06, 2019

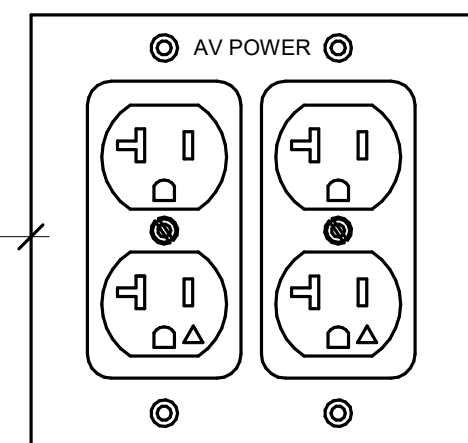
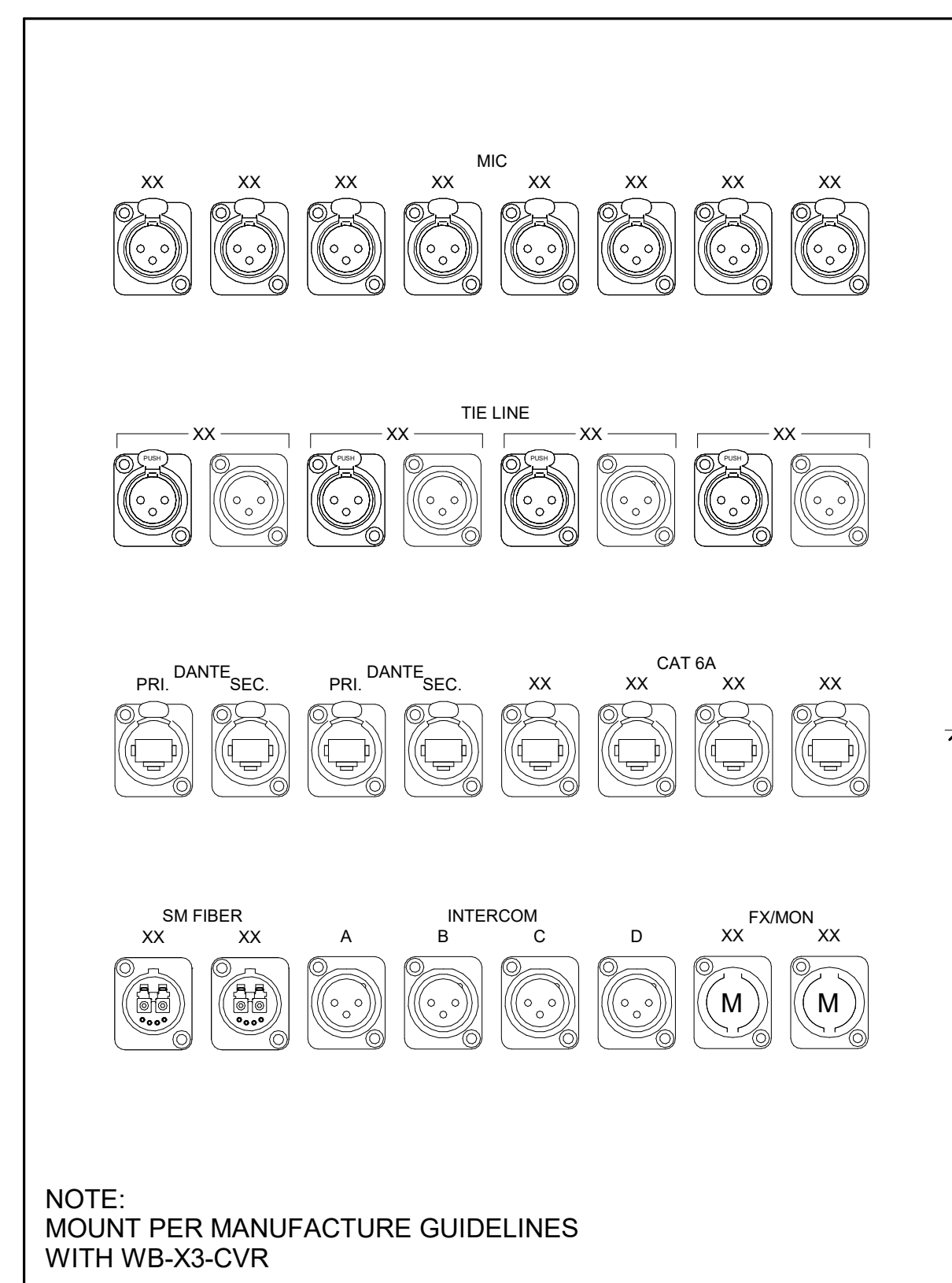
Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
AV - LEVEL TWO REFLECTED CEILING PLAN - SECTOR A

Project Number: 3995-001-00
 Drawn By: Designer
 Scale: 1/8" = 1'-0"
 Seal:

FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

Signature: _____
 Drawing No:

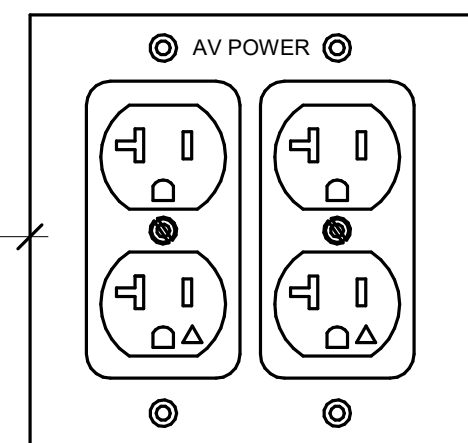
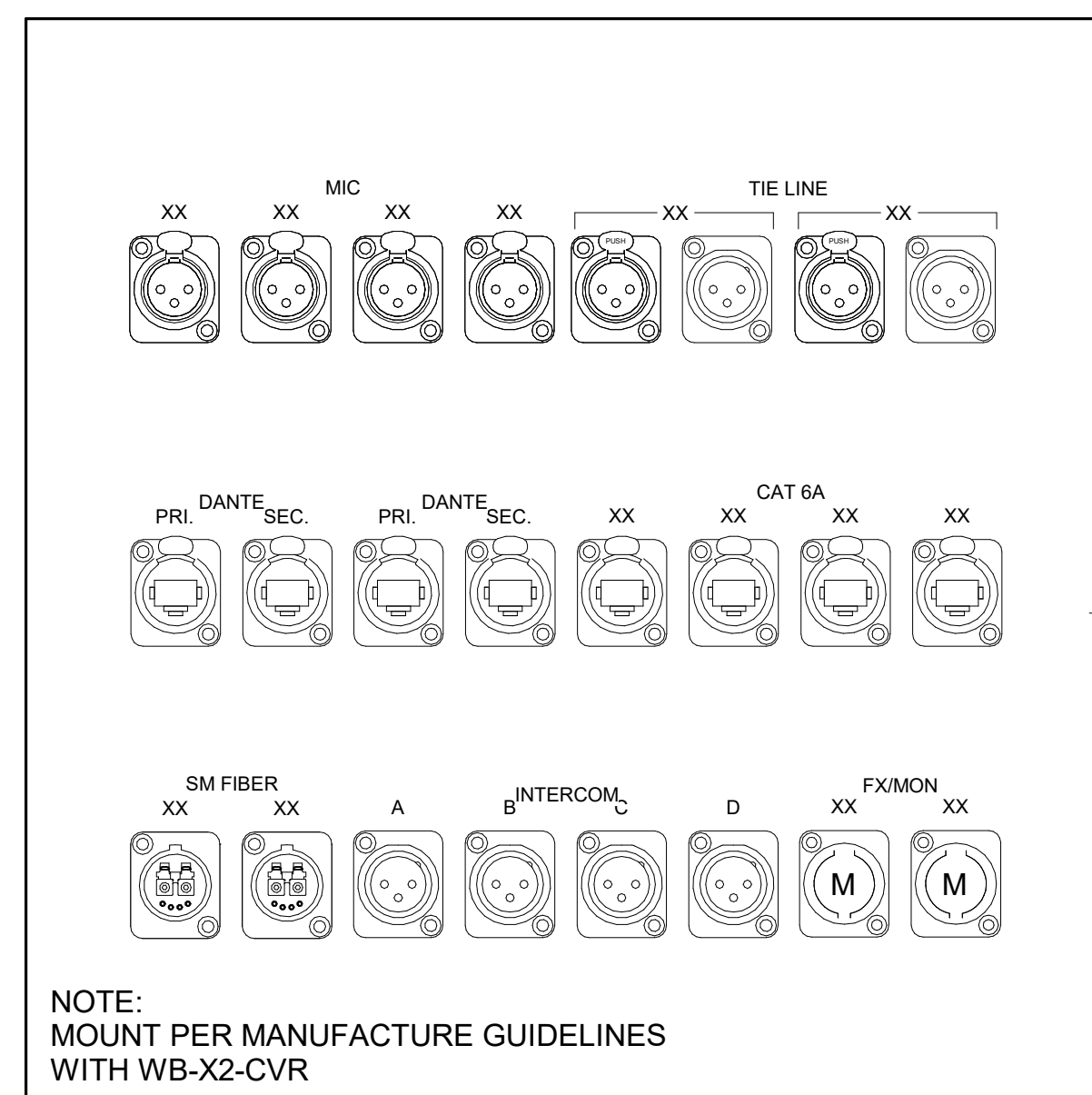
AV - LEVEL TWO RCP - A
 1/8" = 1'-0"



POWER BY DIVISION 26

NOTE:
MOUNT PER MANUFACTURE GUIDELINES
WITH WB-X3-CVR

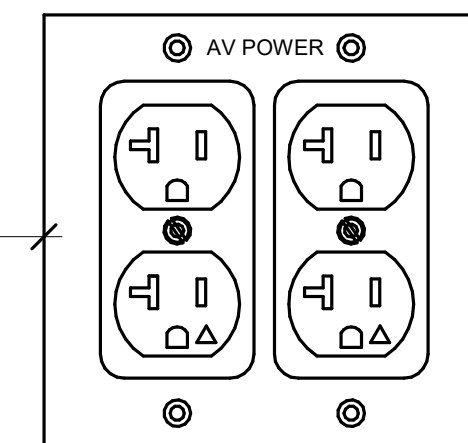
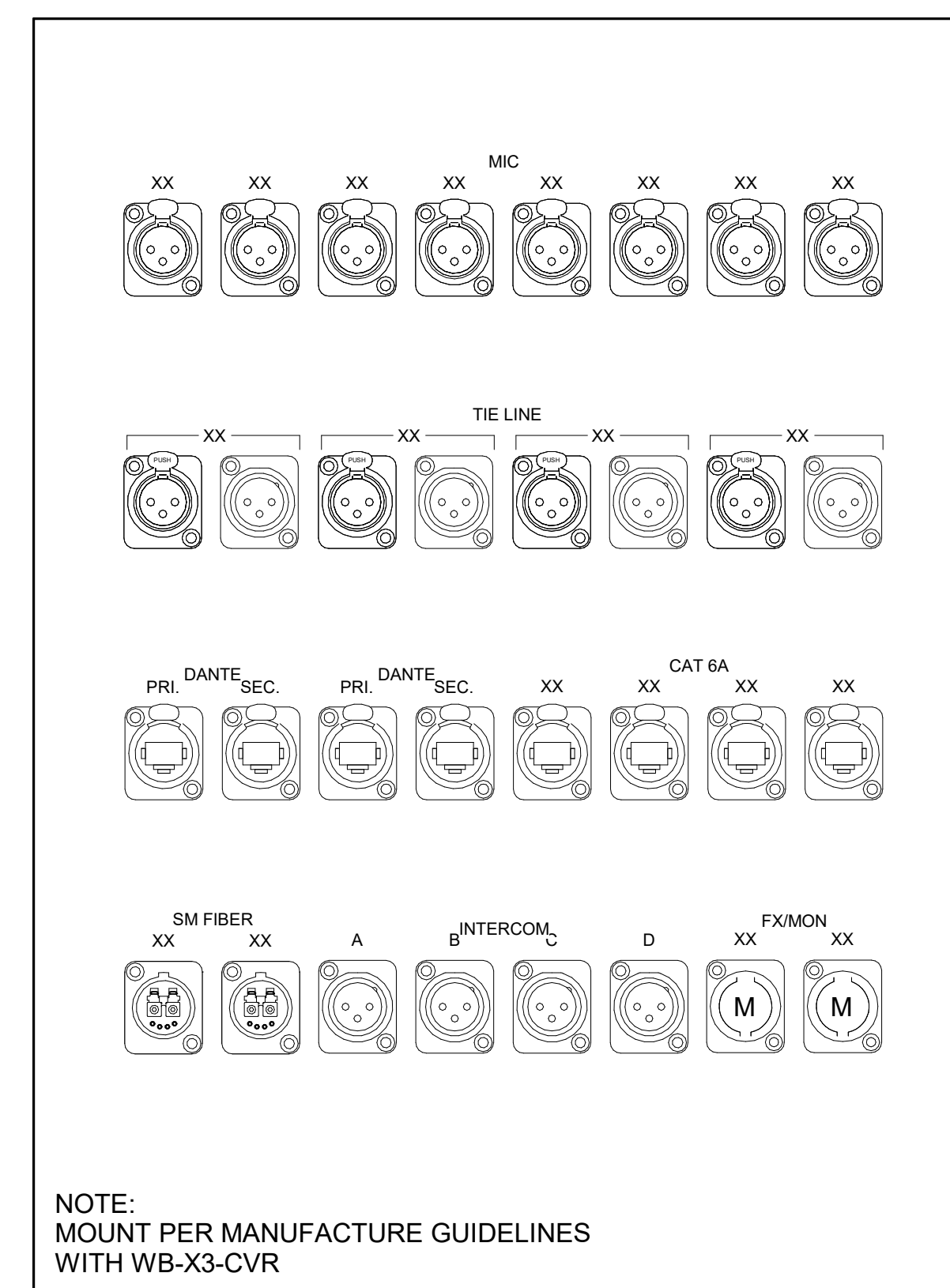
1 Panel LA - PRIMARY STAGE INTERFACE
BOX TYPE - FSR WB-X3-XLR



POWER BY DIVISION 26

NOTE:
MOUNT PER MANUFACTURE GUIDELINES
WITH WB-X2-CVR

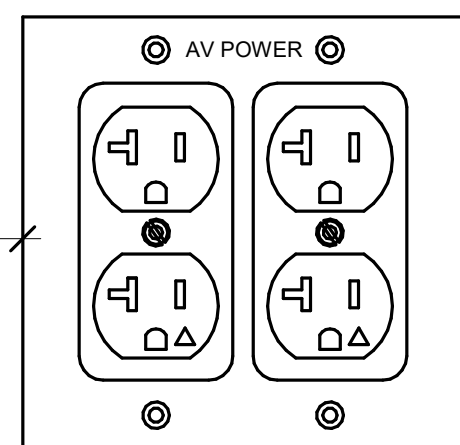
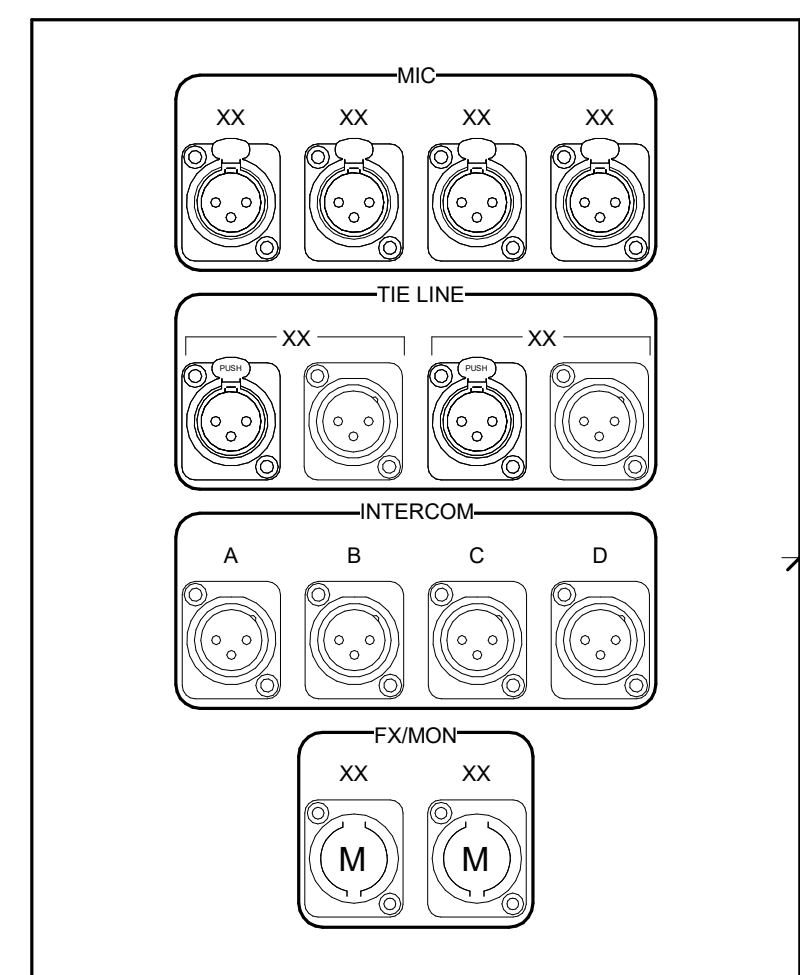
2 Panel LB - DOWNSTAGE INTERFACE
BOX TYPE - FSR WB-X3-XLR



POWER BY DIVISION 26

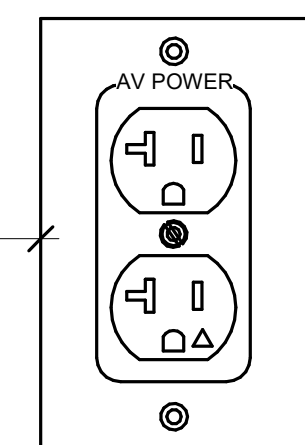
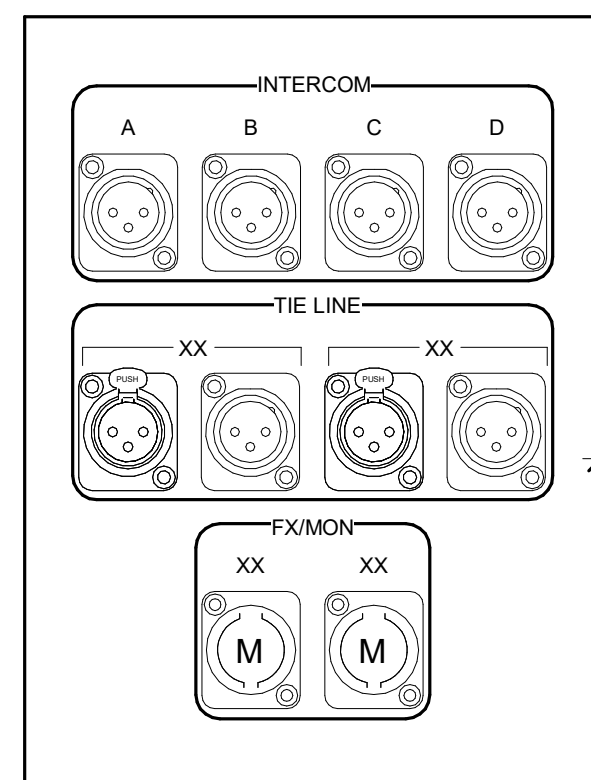
NOTE:
MOUNT PER MANUFACTURE GUIDELINES
WITH WB-X3-CVR

3 Panel LC - UPSTAGE INTERFACE
BOX TYPE - FSR WB-X3-XLR



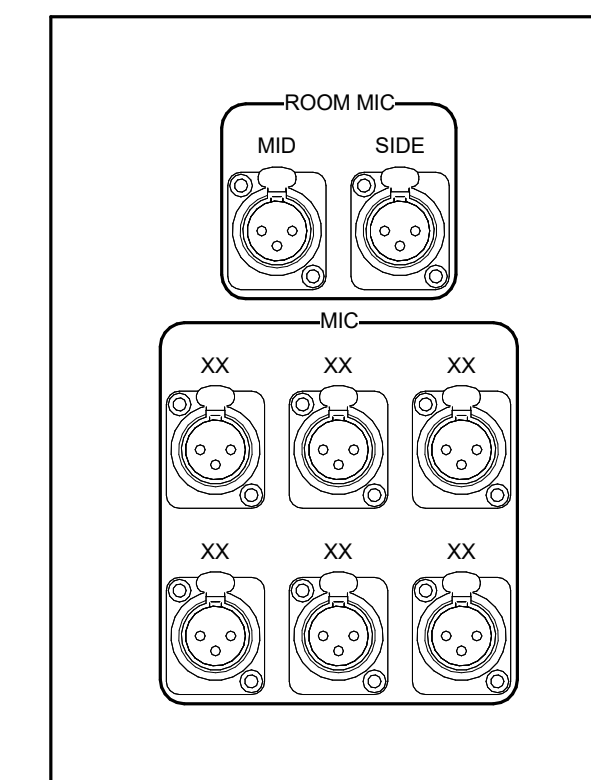
POWER BY DIVISION 26

4 Panel LD - FORESTAGE INTERFACE
BOX TYPE - 10x6x4

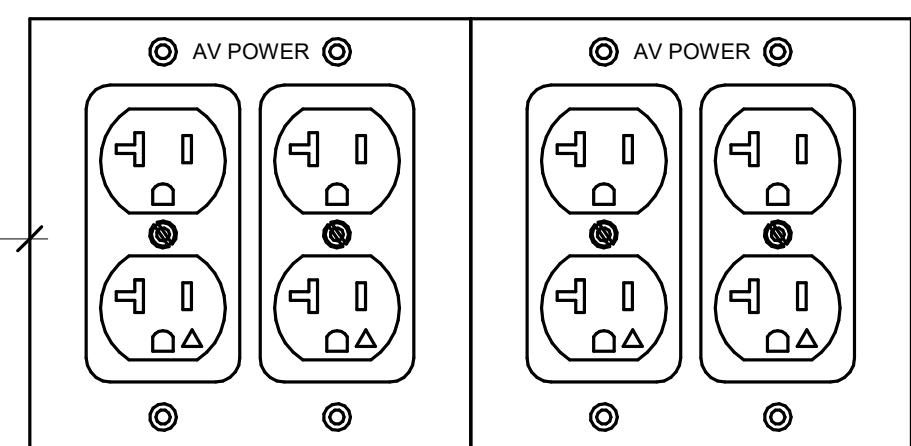
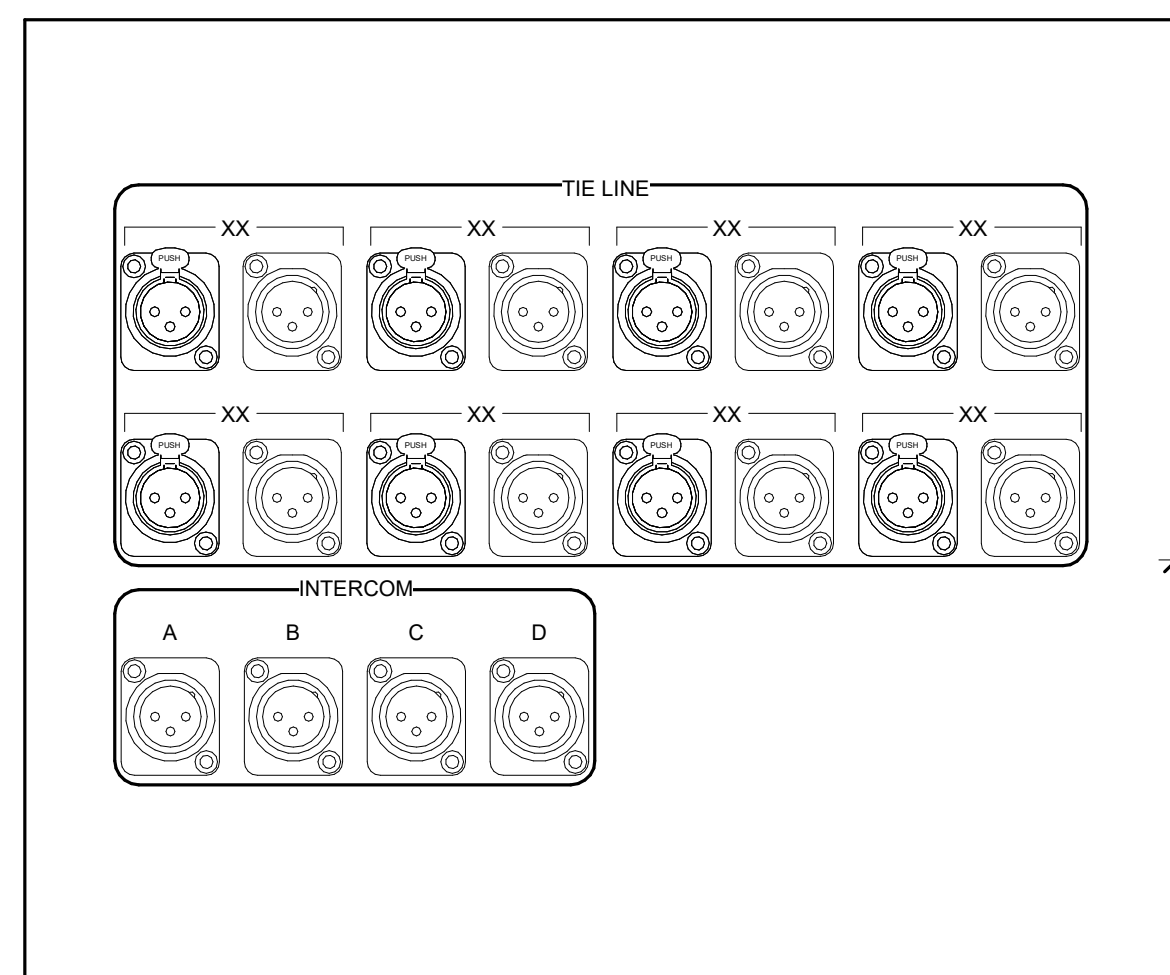


POWER BY DIVISION 26

5 Panel LH - ANCILLARY INTERFACE - CATWALK
BOX TYPE - 8x6x4

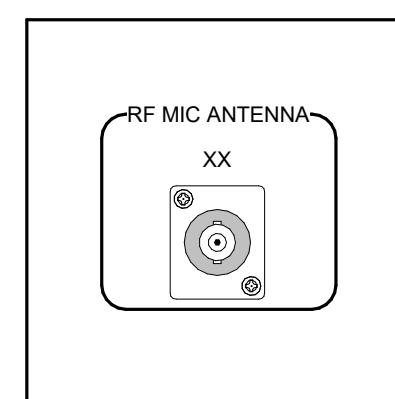


6 Panel LI - LIVE ROOM AND RECORDING MICROPHONE
INTERFACE
BOX TYPE - 8x6x4

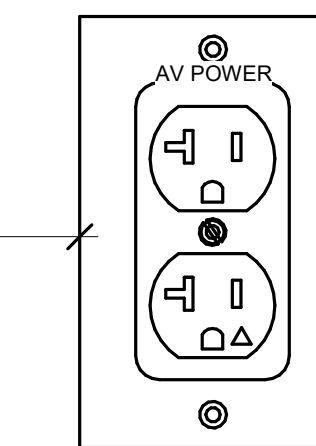
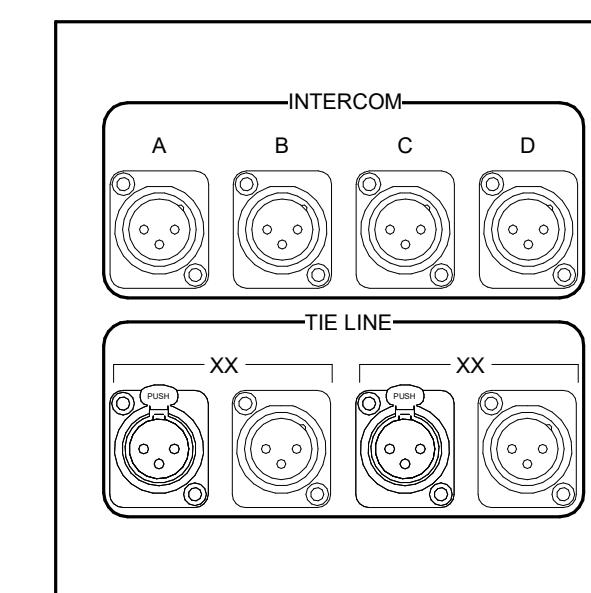


POWER BY DIVISION 26

7 Panel LJ - HOUSE MIX INTERFACE
BOX TYPE - 10x12x6



8 Panel LM - RF MICROPHONE ANTENNA INTERFACE
BOX TYPE - 4x4x4



POWER BY DIVISION 26

9 Panel LQ - CAMERA INTERFACE
BOX TYPE - 6x6x6

Owner Wayne State University FP&M
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MEP Engineer HGA
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Structural Engineer DESI / NASR Consulting Engineers
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248.392.2010

Civil Engineer Spalding DeDecker
905 South Blvd East
Rochester Hills, MI 48307
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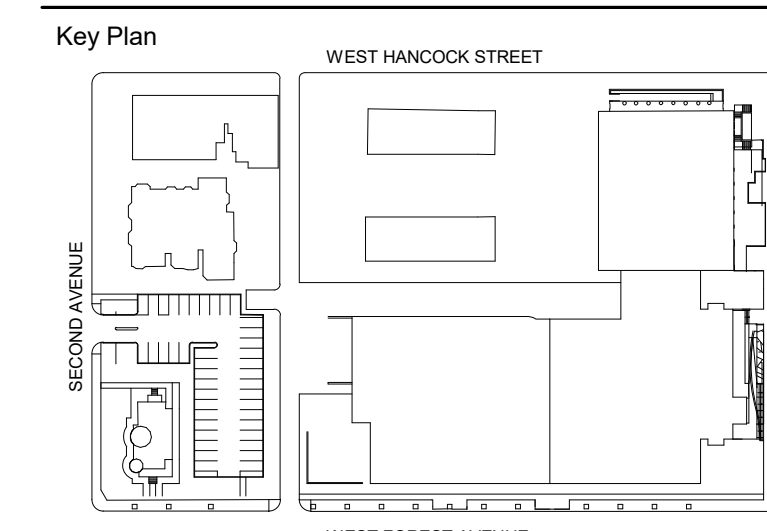
Landscape Architect Hamilton Anderson
1435 Randolph Street, Suite 200
Detroit, MI 48226
313.964.0270

Theatrical Auerbach Pollock Friedlander
286 West 37th Street
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212.764.5630

Lighting Auerbach Glasow
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Acoustics Jaffe Holden
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203.838.4188

DETROIT, MI



100% DESIGN DEVELOPMENT FEB. 06, 2019
Project

WSU - GATEWAY
THEATER COMPLEX
WSU PROJECT NO. 189-178578
Drawing Title
AV - PLATES AND
PANELS 12

Project Number: 3995-001-00

Drawn By: Designer

Scale: 1:2

Seal:

Signature:

Drawing No:

AV9.12

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Owner: Wayne State University FP&M
 5454 Cass Ave
 Detroit, MI 48202
 313.577.2424

Contractor: Walbridge
 777 Woodward Ave., Suite 300
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 248.392.2010

Civil Engineer: Spalding DeDecker
 905 South Blvd East
 Rochester Hills, MI 48307
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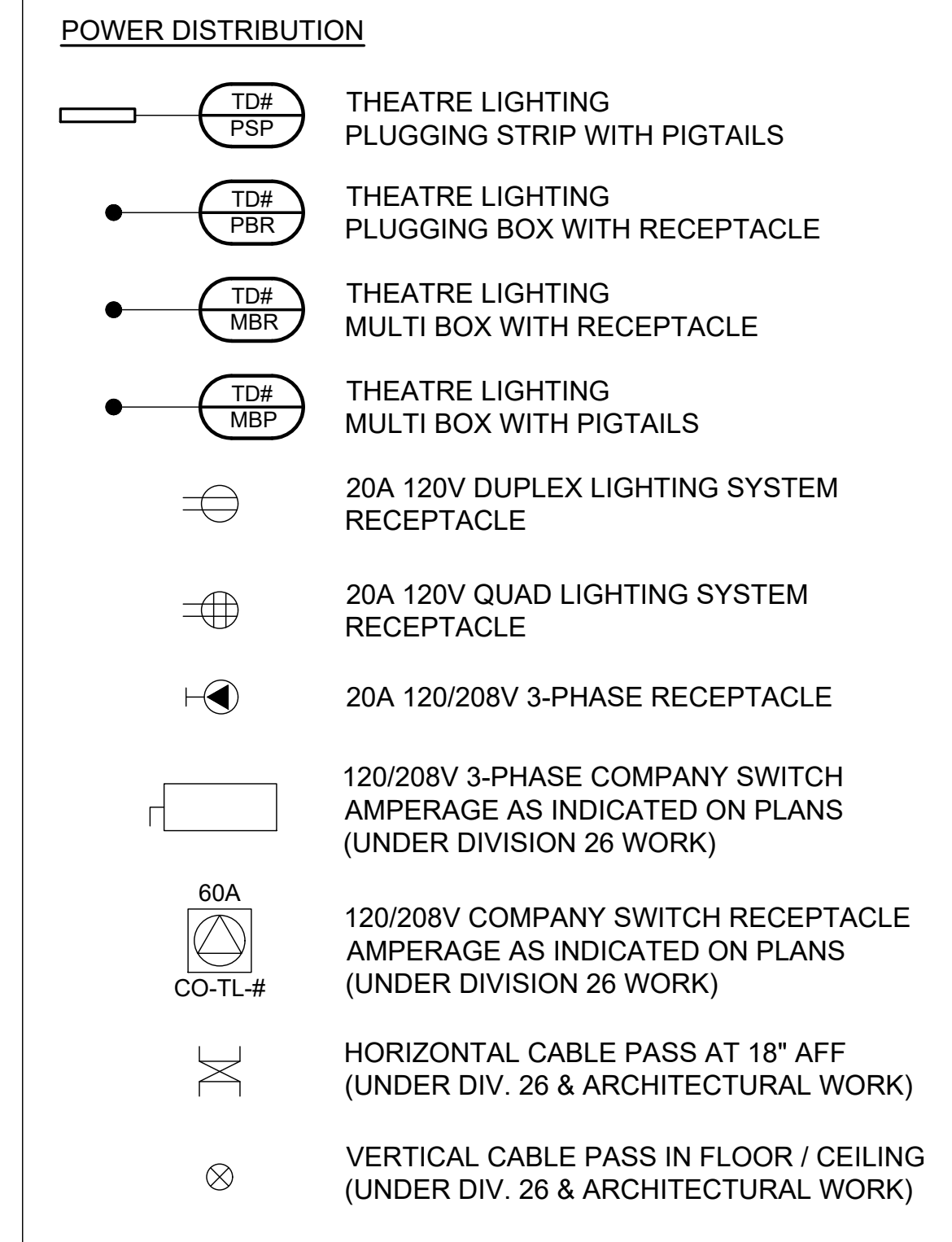
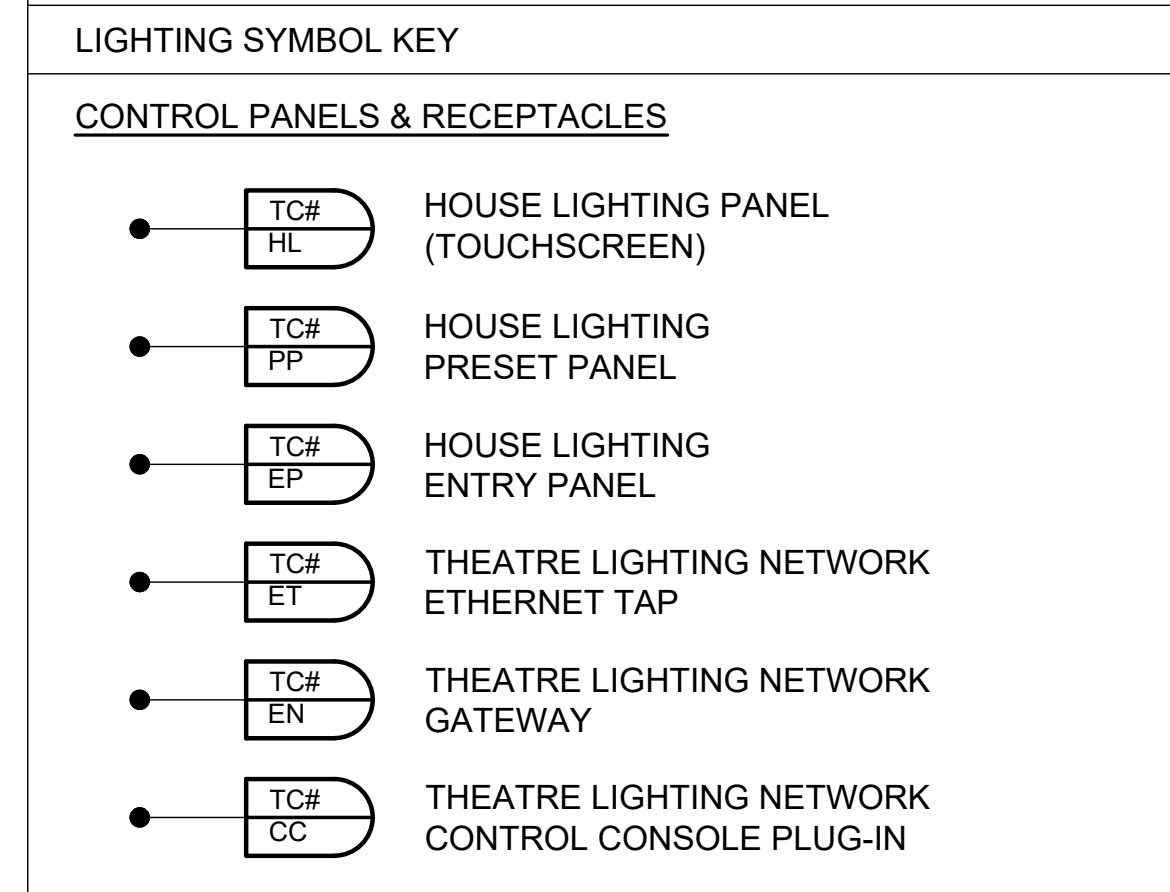
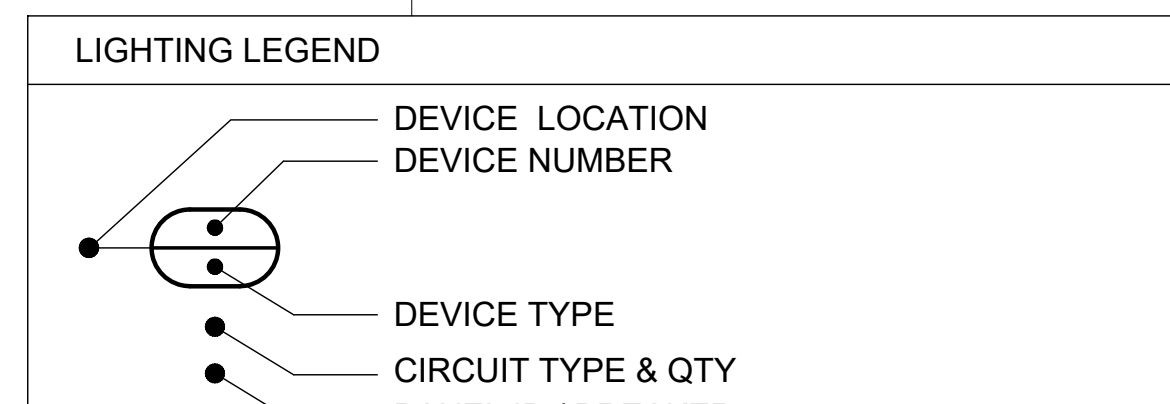
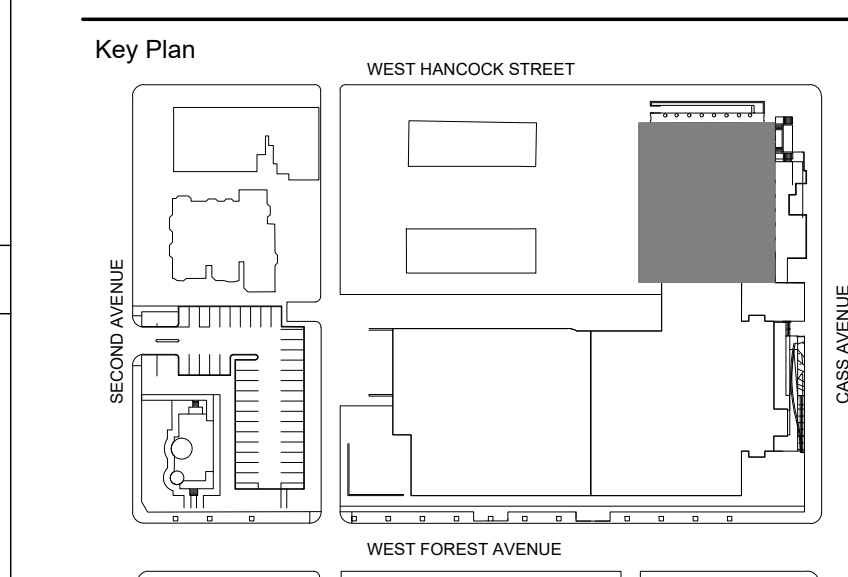
Landscape Architect: Hamilton Anderson
 1435 Randolph Street, Suite 200
 Detroit, MI 48226
 313.964.0270

Theatrical: Auerbach Pollock Friedlander
 286 West 37th Street
 New York, NY 10018
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DETROIT, MI



- GENERAL NOTES**
- THE LIGHTING SYSTEM SHOWN ON THESE SHEETS IS BASED ON A "20A POWER RECEPTACLE PER CIRCUIT" CONCEPT. EACH RECEPTACLE IS WIRED TO THE DIMMER RACK SLOT OR CONTROLLED BREAKER WITH THE SAME NUMBER DESIGNATION.
 - ALL CONDUIT, WIRE, MOUNTING, POWER FEEDS AND POWER TERMINATIONS BY DIVISION 26 UNLESS OTHERWISE NOTED.
 - REFER TO DIVISION 26 SPECIFICATIONS AND DRAWINGS FOR ALL PANELBOARD DESIGNATIONS.
 - ALL DEVICES & CONTROL WIRE TERMINATIONS BY DIVISION 26 CONTRACTOR UNLESS OTHERWISE NOTED.
 - EXACT SIZES OF BACK BOXES AND FINAL WIRE TYPES AND QUANTITIES TO BE VERIFIED BY LIGHTING CONTRACTOR.
 - FIELD VERIFY ALL DIMENSIONS AND CONDITIONS.
 - NO COMMON NEUTRALS PERMITTED IN WIRING DEVICES. EACH CIRCUIT MUST HAVE INDIVIDUAL HOT AND NEUTRAL CONDUCTORS WHICH HOMERUN TO THE DIMMER RACK OR CONTROLLED PANELBOARD.
 - ANY PARALLEL CIRCUITS MUST HAVE INDIVIDUAL HOT AND NEUTRAL CONDUCTORS WHICH HOMERUN TO THE DIMMER RACK OR CONTROLLED PANELBOARD.
 - ALL EXPOSED ELEMENTS TO BE FINISHED FLAT BLACK UNLESS OTHERWISE NOTED.
 - NO CONDUIT OR CONDUIT SUPPORTS PERMITTED ON LIGHTING PIPES OR LIGHTING POSITIONS.
 - SEE SCHEDULES ON TL600-SERIES SHEETS FOR DEVICE MOUNTING INFORMATION.

100% DESIGN DEVELOPMENT	FEB 06, 2019
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Project: **WSU - GATEWAY THEATER COMPLEX**
 WSU PROJECT NO. 189-178578
 Drawing Title: **THEATRICAL LIGHTING SYSTEM PLAN LEVEL ONE - SECTOR A**

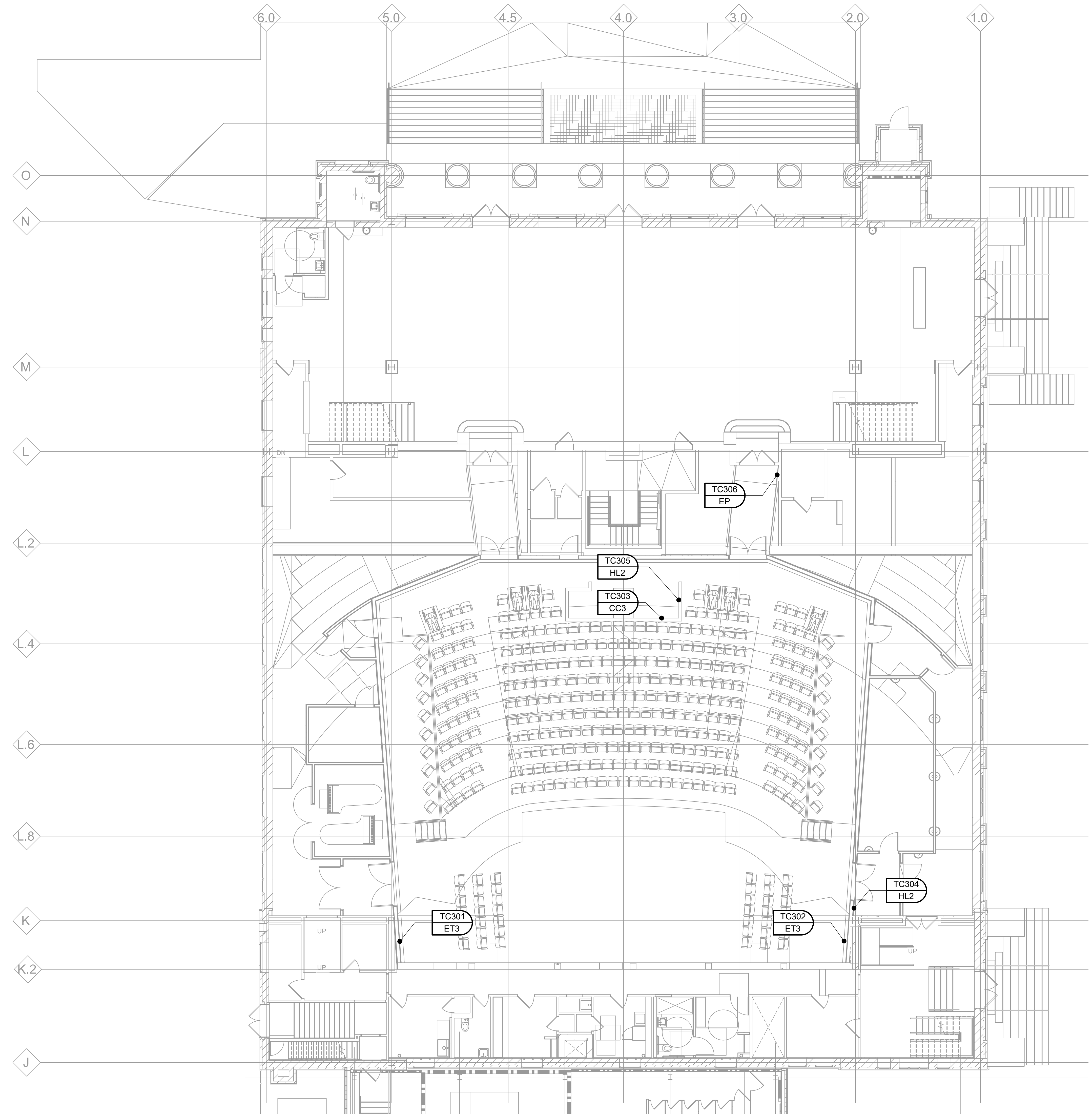
Project Number: 3995-001-00
 Drawn By: APF
 Scale: AS NOTED

Seal:

FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

Signature: _____
 Drawing No:

TL1.1A



NOTE:
 ALL THEATRICAL LIGHTING SYSTEM 'ET3' DEVICES SHOWN ON THIS SHEET ARE LISTED AS A DUCT-ALTERNATE.

1 THEATRICAL LIGHTING SYSTEM PLAN - LEVEL ONE - SECTOR A
 1/8"=1'-0"

Owner: Wayne State University FP&M
5454 Cass Ave
Detroit, MI 48202
313.577.2424

Contractor: Walbridge
777 Woodward Ave., Suite 300
Detroit, MI 48202
313.963.8900

Executive Architect: Hamilton Anderson
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Civil Engineer: Spalding DeDecker
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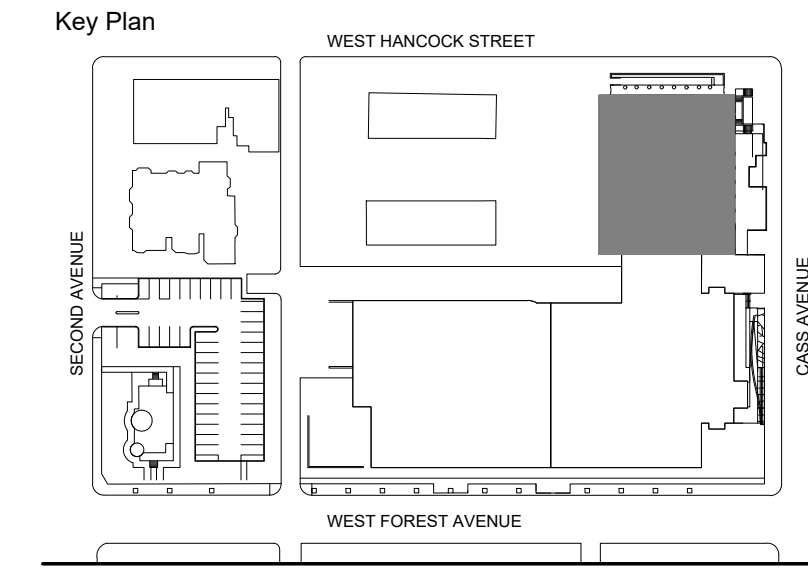
Landscape Architect: Hamilton Anderson
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313.964.0270

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New York, NY 10018
212.764.5630

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415.392.7528

Acoustics: Jaffe Holden
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Norwalk, CT 06864
203.838.4168

DETROIT, MI



LIGHTING LEGEND

DEVICE LOCATION
DEVICE NUMBER

DEVICE TYPE

CIRCUIT TYPE & QTY
PANEL ID / BREAKER

LIGHTING SYMBOL KEY

CONTROL PANELS & RECEPTACLES

- TC# HL HOUSE LIGHTING PANEL (TOUCHSCREEN)
- TC# PP HOUSE LIGHTING PRESET PANEL
- TC# EP HOUSE LIGHTING ENTRY PANEL
- TC# ET THEATRE LIGHTING NETWORK ETHERNET TAP
- TC# EN THEATRE LIGHTING NETWORK GATEWAY
- TC# CC THEATRE LIGHTING NETWORK CONTROL CONSOLE PLUG-IN

POWER DISTRIBUTION

- TD# PSP THEATRE LIGHTING PLUGGING STRIP WITH PIGTAILS
- TD# PBR THEATRE LIGHTING PLUGGING BOX WITH RECEPTACLE
- TD# MBR THEATRE LIGHTING MULTI BOX WITH RECEPTACLE
- TD# MEP THEATRE LIGHTING MULTI BOX WITH PIGTAILS
- 20A 120V DUPLEX LIGHTING SYSTEM RECEPTACLE
- 20A 120V QUAD LIGHTING SYSTEM RECEPTACLE
- 20A 120/208V 3-PHASE RECEPTACLE
- 120/208V 3-PHASE COMPANY SWITCH AMPERAGE AS INDICATED ON PLANS (UNDER DIVISION 26 WORK)
- 120/208V COMPANY SWITCH RECEPTACLE AMPERAGE AS INDICATED ON PLANS (UNDER DIVISION 26 WORK)
- 60A CO-TL-#
- HORIZONTAL CABLE PASS AT 18" AFF (UNDER DIV. 26 & ARCHITECTURAL WORK)
- VERTICAL CABLE PASS IN FLOOR / CEILING (UNDER DIV. 26 & ARCHITECTURAL WORK)

- GENERAL NOTES**
- THE LIGHTING SYSTEM SHOWN ON THESE SHEETS IS BASED ON A "20A POWER RECEPTACLE PER CIRCUIT" CONCEPT. EACH RECEPTACLE IS WIRED TO THE DIMMER RACK SLOT OR CONTROLLED BREAKER WITH THE SAME NUMBER DESIGNATION.
 - ALL CONDUIT, WIRE, MOUNTING, POWER FEEDS AND POWER TERMINATIONS BY DIVISION 26 UNLESS OTHERWISE NOTED.
 - REFER TO DIVISION 26 SPECIFICATIONS AND DRAWINGS FOR ALL PANELBOARD DESIGNATIONS.
 - ALL DEVICES & CONTROL WIRE TERMINATIONS BY DIVISION 26 CONTRACTOR UNLESS OTHERWISE NOTED.
 - EXACT SIZES OF BACK BOXES AND FINAL WIRE TYPES AND QUANTITIES TO BE VERIFIED BY LIGHTING CONTRACTOR.
 - FIELD VERIFY ALL DIMENSIONS AND CONDITIONS.
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 - ANY PARALLEL CIRCUITS MUST HAVE INDIVIDUAL HOT AND NEUTRAL CONDUCTORS WHICH HOMERUN TO THE DIMMER RACK OR CONTROLLED PANELBOARD.
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 - NO CONDUIT OR CONDUIT SUPPORTS PERMITTED ON LIGHTING PIPES OR LIGHTING POSITIONS.
 - SEE SCHEDULES ON TL600-SERIES SHEETS FOR DEVICE MOUNTING INFORMATION.

100% DESIGN DEVELOPMENT	FEB 06, 2019
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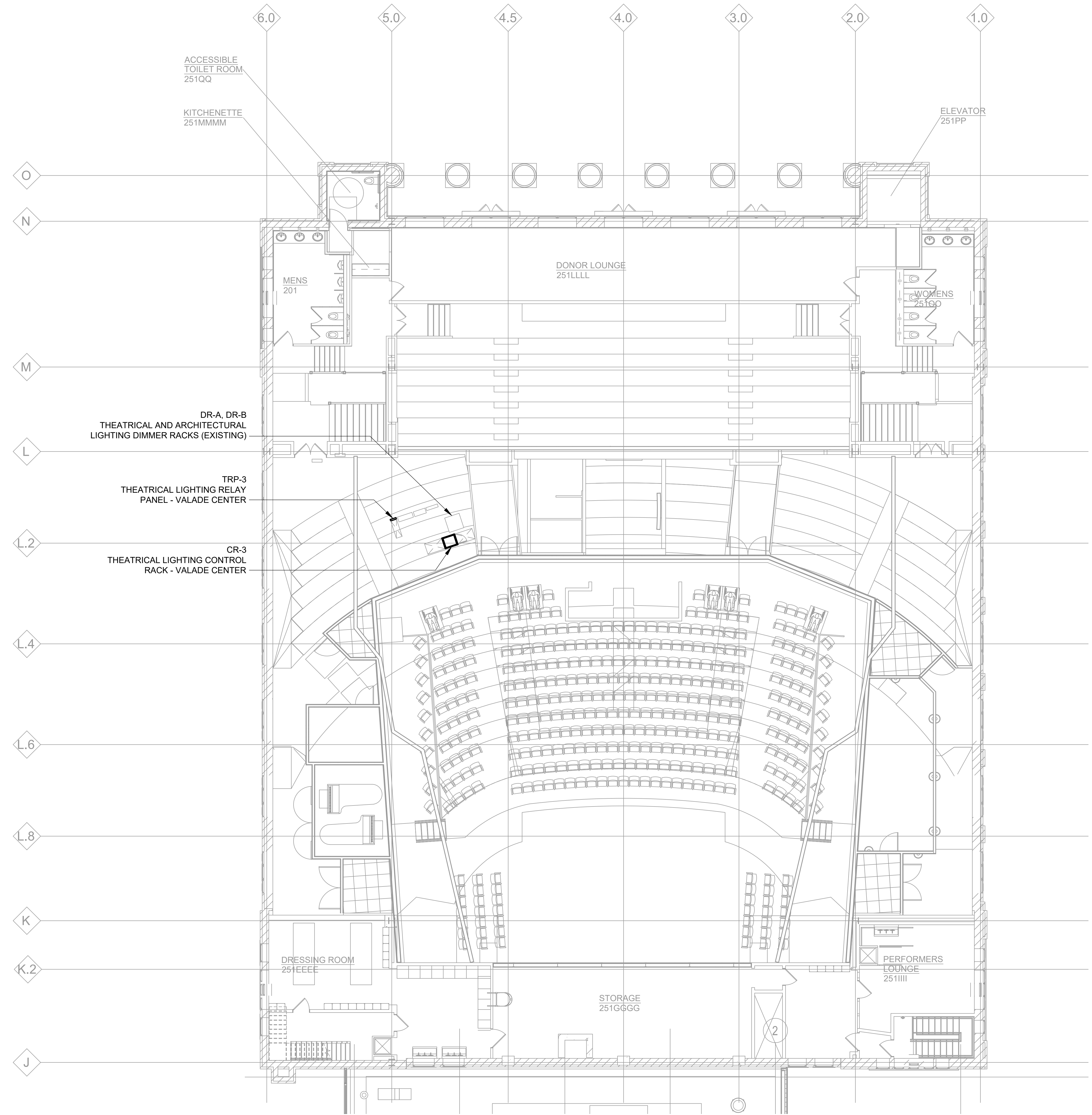
Project: **WSU - GATEWAY THEATER COMPLEX**
WSU PROJECT NO. 189-178578
Drawing Title: **THEATRICAL LIGHTING SYSTEM PLAN LEVEL TWO - SECTOR A**

Project Number: 3995-001-00
Drawn By: APF
Scale: AS NOTED
Seal:

FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

Signature: _____
Drawing No:

TL1.2A



NOTE:
ALL THEATRICAL LIGHTING SYSTEM 'ET3' DEVICES SHOWN ON THIS SHEET ARE LISTED AS A DEDUCT-ALTERNATE.

1 THEATRICAL LIGHTING SYSTEM PLAN - LEVEL TWO - SECTOR A
1/8"=1'-0"

Owner: Wayne State University FP&M
 5454 Cass Ave
 Detroit, MI 48202
 313.577.2424

Contractor: Walbridge
 777 Woodward Ave., Suite 300
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Executive Architect: Hamilton Anderson
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Design Architect: HGA
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Structural Engineer: DESI / NASR Consulting Engineers
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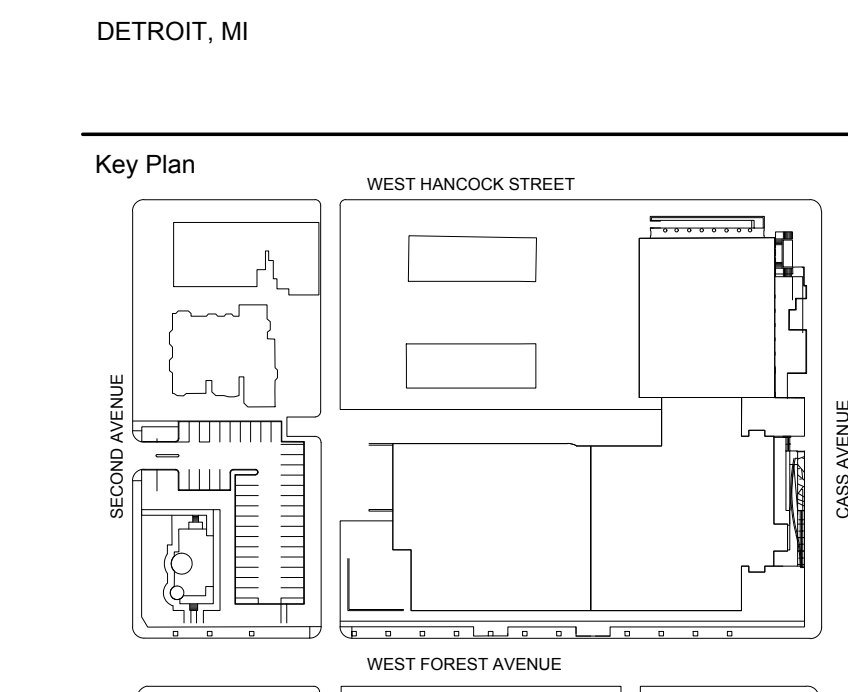
Civil Engineer: Spalding DeDecker
 905 South Blvd East
 Rochester Hills, MI 48307
 800.668.1600

Landscape Architect: Hamilton Anderson
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100% DESIGN DEVELOPMENT	FEB 06, 2019
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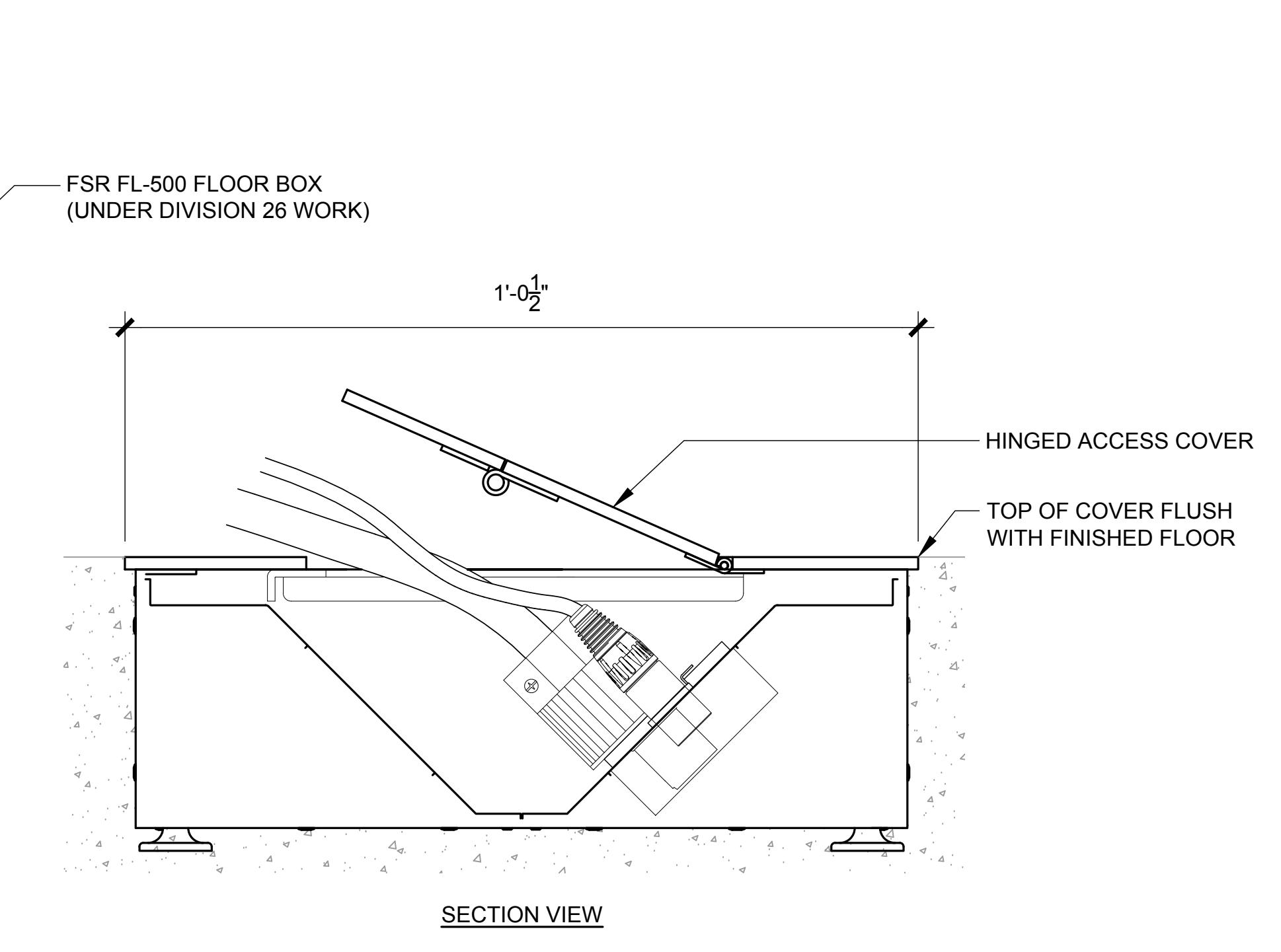
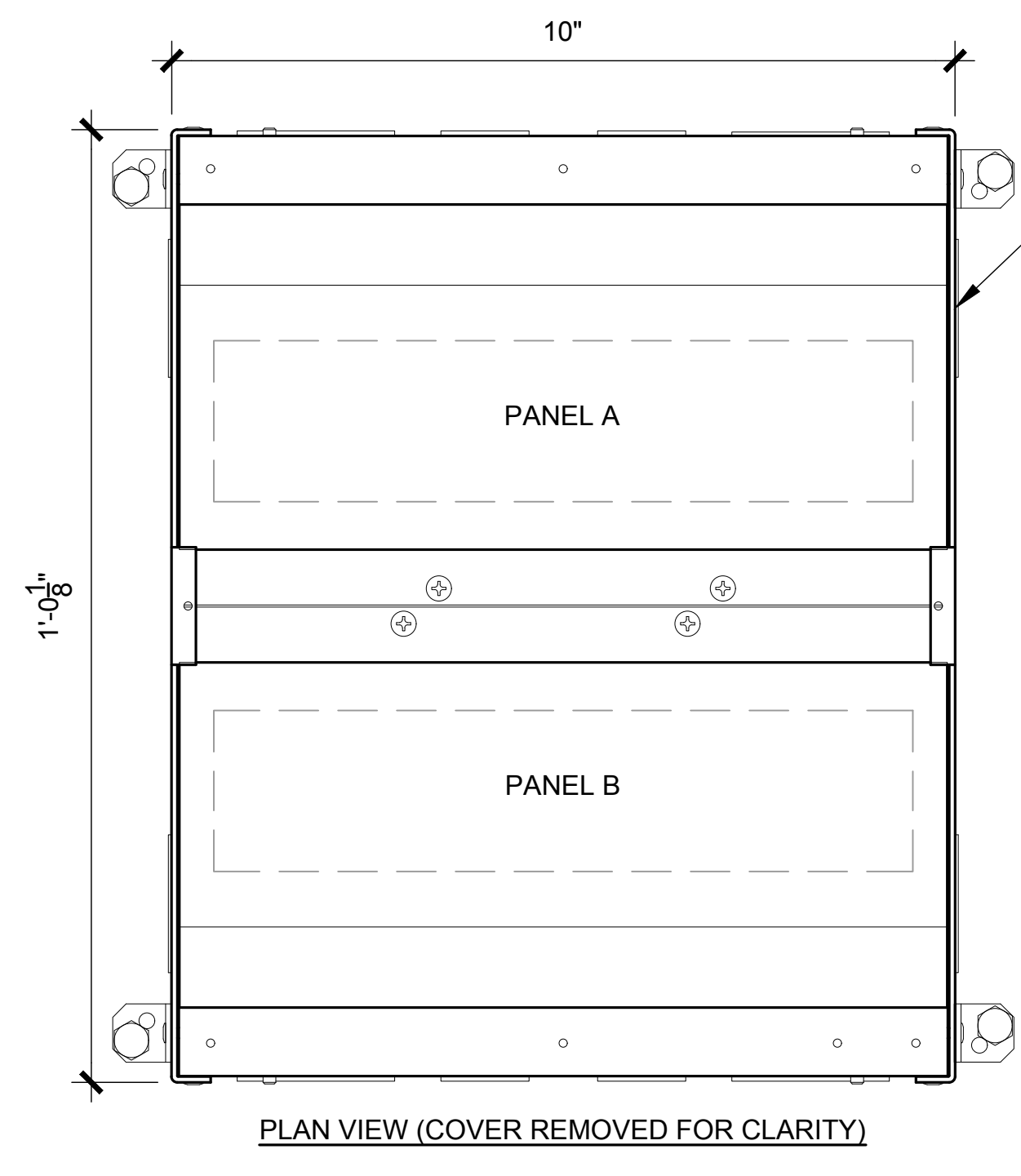
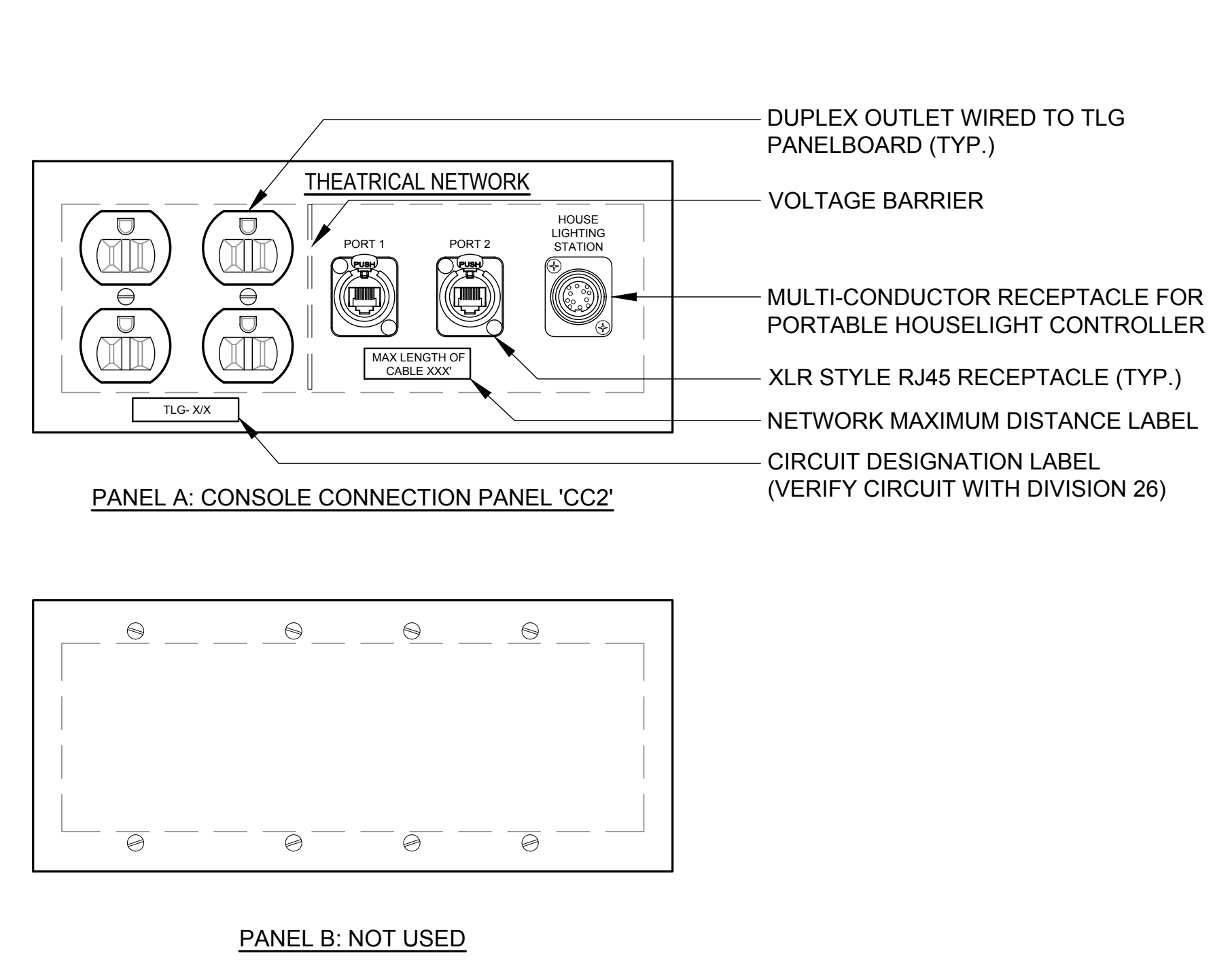
Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
THEATRICAL LIGHTING CONTROL DEVICE DETAILS

Project Number: 3995-001-00
 Drawn By: APF
 Scale: AS NOTED
 Seal:

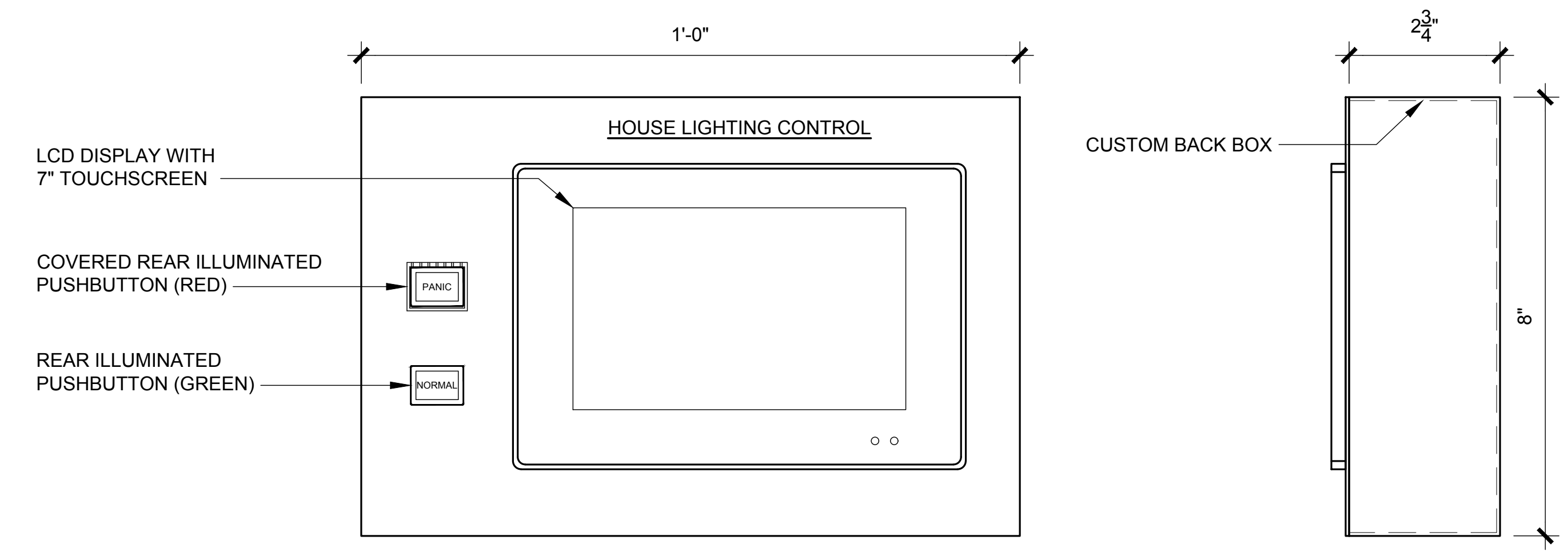
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TL5.2

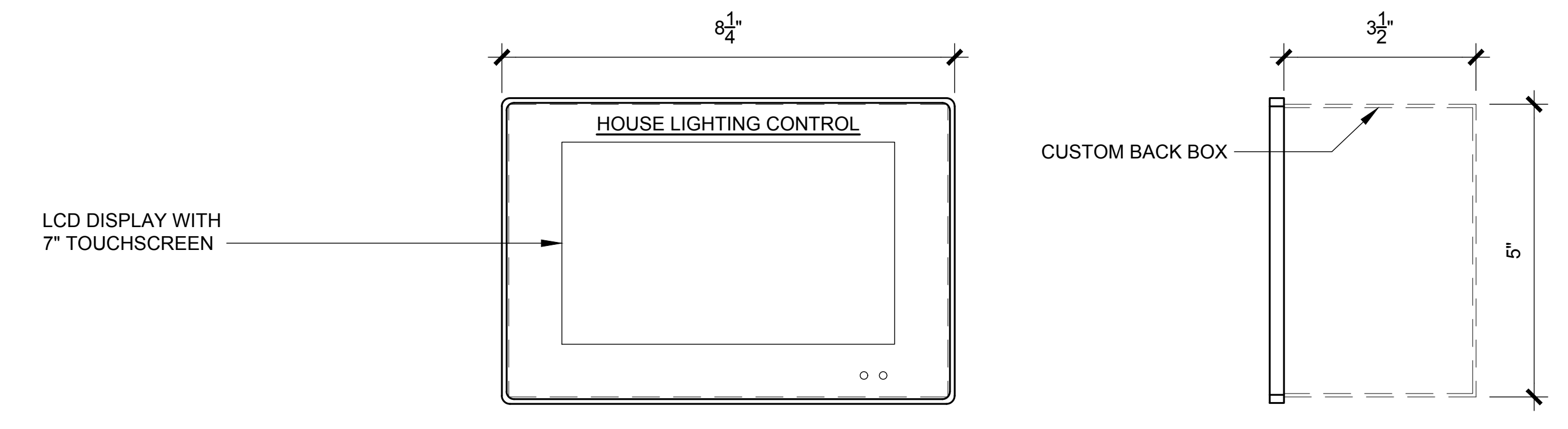
FOR REFERENCE ONLY -
 NOT FOR CONSTRUCTION



1 FLOOR MOUNTED CONSOLE CONNECTION PANEL - 'CC2'
 6"=1'-0"

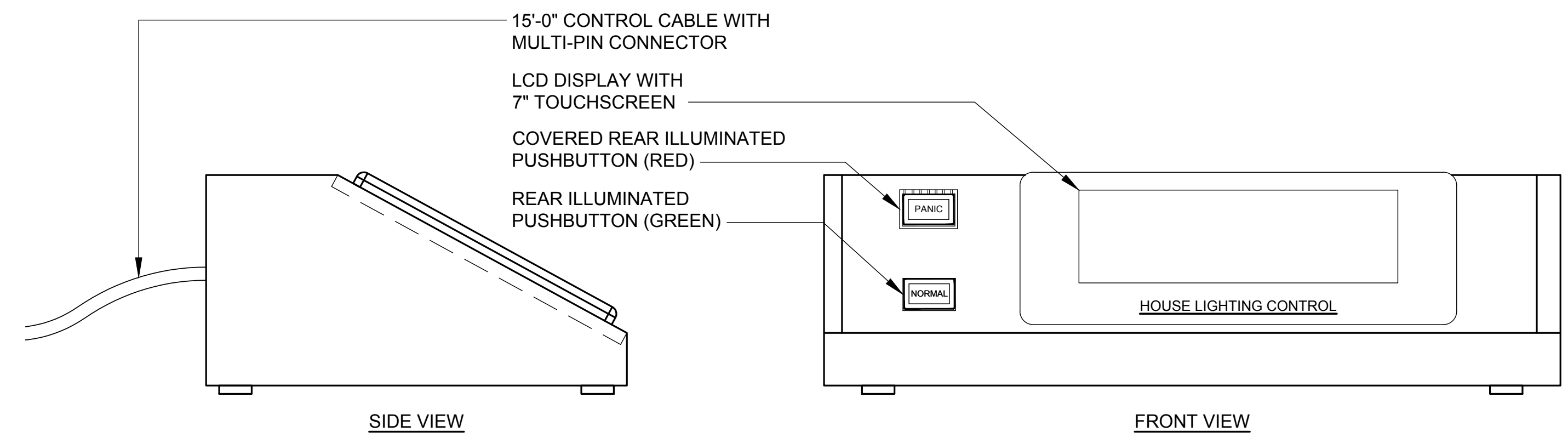


2 SURFACE MOUNTED HOUSE LIGHTING MASTER STATION - 'HL'
 6"=1'-0"



4 FLUSH MOUNTED HOUSE LIGHTING MASTER STATION - 'HL2'
 6"=1'-0"

NOTE: THIS DEVICE LISTED AS A DEDUCT-ALTERNATE



3 PORTABLE HOUSE LIGHTING MASTER STATION - 'HLP'
 6"=1'-0"

Owner: Wayne State University FP&M
 5454 Cass Ave
 Detroit, MI 48202
 313.577.2424

Contractor: Walbridge
 777 Woodward Ave., Suite 300
 Detroit, MI 48202
 313.963.8900

Executive Architect: Hamilton Anderson
 1435 Randolph Street, Suite 200
 Detroit, MI 48226
 313.964.0270

Design Architect: HGA
 420 5th Street N, Suite 100
 Minneapolis, MN 55401
 612.758.4000

MEP Engineer: HGA
 420 5th Street N, Suite 100
 Minneapolis, MN 55401
 612.758.4000

Structural Engineer: DESI / NASR Consulting Engineers
 6765 Daly Road
 West Bloomfield, MI 48322
 248.392.2010

Civil Engineer: Spalding DeDecker
 905 South Blvd East
 Rochester Hills, MI 48307
 800.568.1600

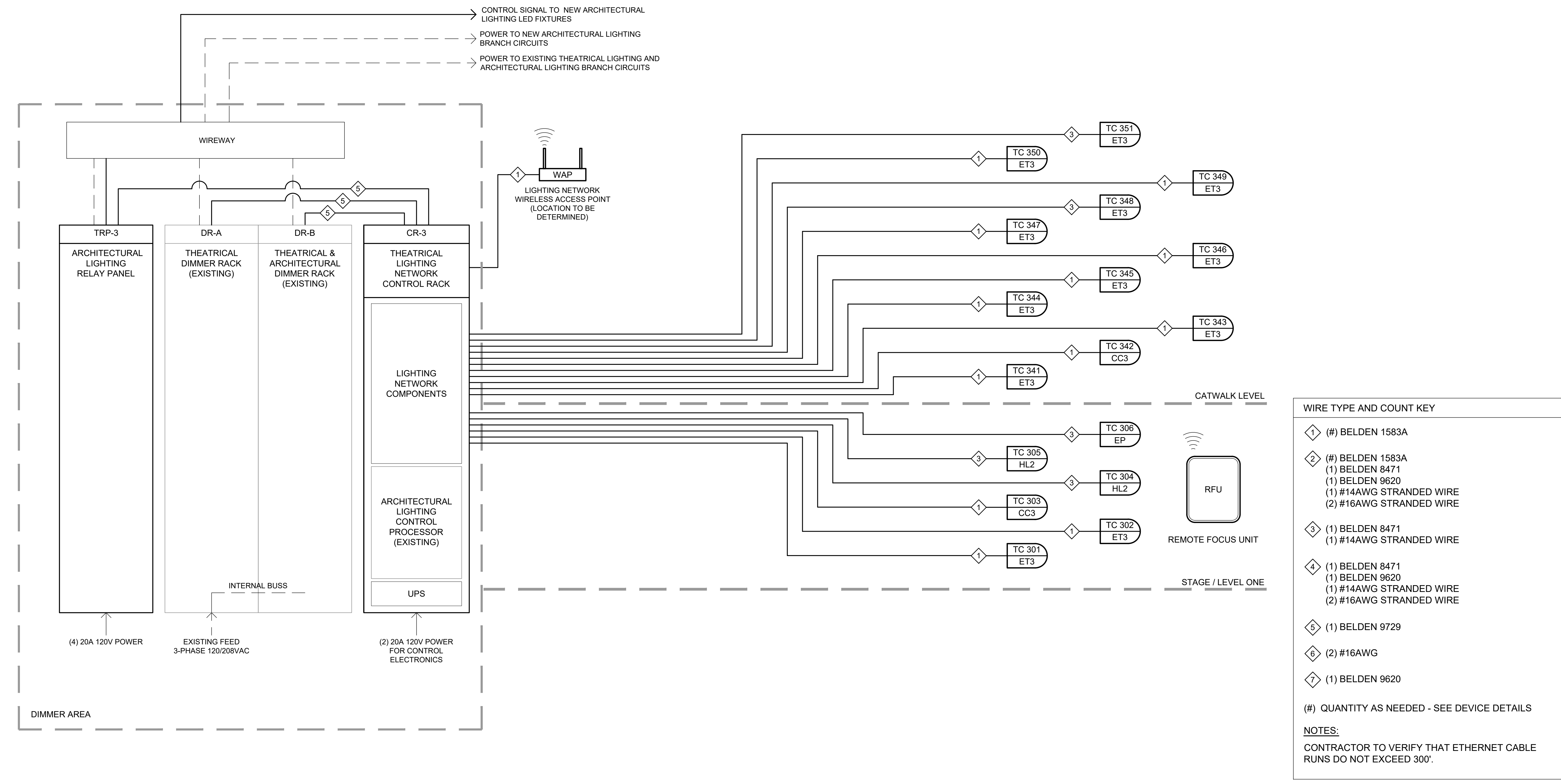
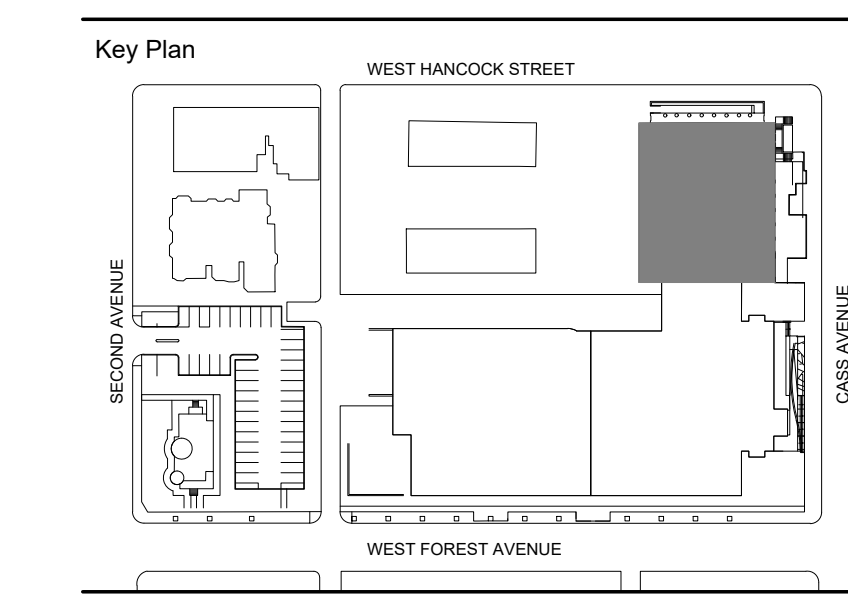
Landscape Architect: Hamilton Anderson
 1435 Randolph Street, Suite 200
 Detroit, MI 48226
 313.964.0270

Theatrical: Auerbach Pollock Friedlander
 286 West 37th Street
 New York, NY 10018
 212.764.5630

Lighting: Auerbach Glasow
 1045 Sansome Street, Suite 300
 San Francisco, CA 94111
 415.392.7528

Acoustics: Jaffe Holden
 114-A Washington Street
 Norwalk, CT 06864
 203.838.4168

DETROIT, MI



WIRE TYPE AND COUNT KEY

- ① (#) BELDEN 1583A
- ② (#) BELDEN 1583A
 (1) BELDEN 8471
 (1) BELDEN 9620
 (1) #14AWG STRANDED WIRE
 (2) #16AWG STRANDED WIRE
- ③ (1) BELDEN 8471
 (1) #14AWG STRANDED WIRE
- ④ (1) BELDEN 8471
 (1) BELDEN 9620
 (1) #14AWG STRANDED WIRE
 (2) #16AWG STRANDED WIRE
- ⑤ (1) BELDEN 9729
- ⑥ (2) #16AWG
- ⑦ (1) BELDEN 9620

(#) QUANTITY AS NEEDED - SEE DEVICE DETAILS

NOTES:
 CONTRACTOR TO VERIFY THAT ETHERNET CABLE RUNS DO NOT EXCEED 300'.

NOTE:
 ALL THEATRICAL LIGHTING SYSTEM 'ET3' DEVICES SHOWN ON THIS SHEET ARE LISTED AS A DUCT-ALTERNATE.

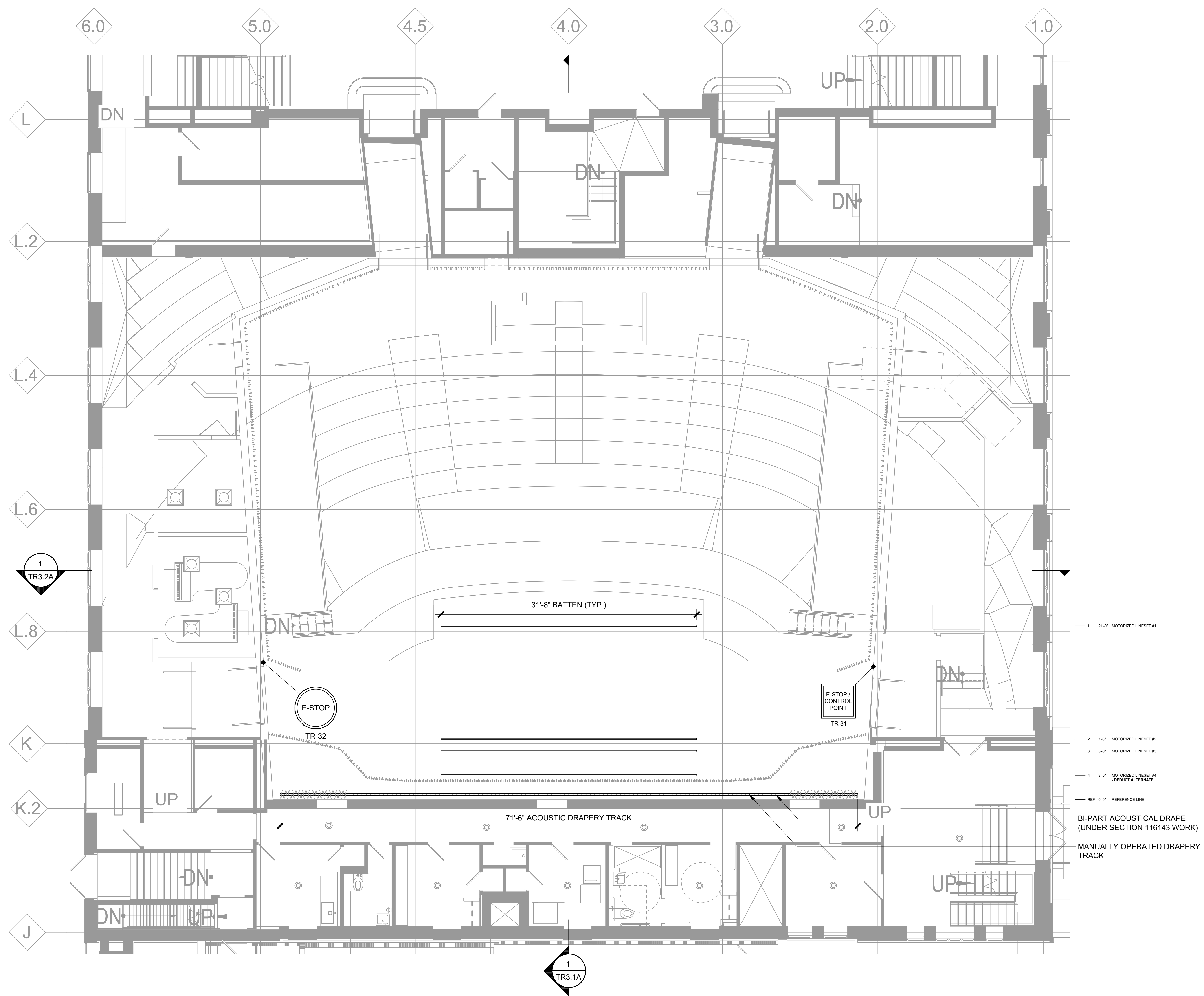
1 THEATRICAL LIGHTING CONTROL SYSTEM RISER - VALADE
 NOT TO SCALE

100% DESIGN DEVELOPMENT FEB 06, 2019

Project: WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title: THEATRICAL LIGHTING CONTROL SYSTEM RISER - VALADE CENTER
 Project Number: 3995-001-00
 Drawn By: APF
 Scale: AS NOTED
 Seal:

Signature: _____
 Drawing No: TL6.3

FOR REFERENCE ONLY - NOT FOR CONSTRUCTION



GENERAL NOTES

1. VERIFY DIMENSIONS AND CONDITIONS IN FIELD BEFORE FABRICATION.
2. EQUIPMENT AND WORK SHOWN ON THIS DRAWING UNDER WORK OF 116133 UNLESS OTHERWISE NOTED.
3. ALL FASTENERS TO HAVE LOCKWASHERS OR OTHER APPROVED SELF-LOCKING HARDWARE.
4. ALL EXPOSED ELEMENTS TO BE FINISHED FLAT BLACK UNLESS OTHERWISE NOTED.
5. FLEET ANGLES SHALL NOT EXCEED 1.5°.
6. THEATRICAL RIGGING SYSTEM SHOP DRAWINGS MUST BE STAMPED BY A STRUCTURAL ENGINEER LICENSED IN THE PROJECT JURISDICTION.
7. THEATRICAL RIGGING CONTRACTOR TO VERIFY RIGGING MOTOR SIZES, LOADS, POWER REQUIREMENTS, AND CONTROL WIRE TYPES, SIZES, AND COUNTS.
8. ALL CONDUIT, WIRE, POWER FEEDS, JUNCTION/PULL BOXES, NON-FUSED DISCONNECTS, AND FINAL TERMINATIONS BY DIVISION 26 UNLESS OTHERWISE NOTED.
9. NO CONDUIT OR CONDUIT SUPPORTS PERMITTED ON HORIZONTAL PIPES OR CATWALK RAILINGS, ALL CATWALK AND GALLERY RAILINGS TO BE COMPLETELY CLEAR OF ALL OBSTRUCTIONS FROM TOP OF KICK PLATE TO TOP OF UPPER HORIZONTAL RAILING.
10. DIMENSIONS ARE PROVIDED FOR REFERENCE ONLY. REFER TO APPLICABLE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR CRITICAL DIMENSIONS.
11. THIS DRAWING IS INTENDED TO PROVIDE INFORMATION REGARDING THEATRICAL EQUIPMENT ONLY. REFER TO APPLICABLE ARCHITECTURAL OR ENGINEERING DRAWINGS FOR ARCHITECTURAL AND ENGINEERING INFORMATION RELATING TO THE BUILDING.

SYMBOL KEY

	AUTOMATED THEATRICAL RIGGING EMERGENCY STOP / CONTROL POINT
	AUTOMATED THEATRICAL RIGGING EMERGENCY STOP
	THEATRICAL RIGGING POINT LOAD / LIFT LINE
	CHAIN HOIST POWER RECEPTACLE NEMA L21-30 (5-WIRE, 30A 208V 3-PHASE) (UNDER DIVISION 26 WORK)
	120/208V COMPANY SWITCH (UNDER DIVISION 26 WORK)

NOTE:
 MOTORIZED LINESSET #4 IS LISTED AS A DEDUCT-ALTERNATE.

Owner Wayne State University FP&M
 5454 Cass Ave
 Detroit, MI 48202
 313.577.2424

Contractor Walbridge
 777 Woodward Ave., Suite 300
 Detroit, MI 48202
 313.963.8900

Executive Architect Hamilton Anderson
 1435 Randolph Street, Suite 200
 Detroit, MI 48226
 313.964.0270

Design Architect HGA
 420 5th Street N, Suite 100
 Minneapolis, MN 55401
 612.758.4000

MEP Engineer HGA
 420 5th Street N, Suite 100
 Minneapolis, MN 55401
 612.758.4000

Structural Engineer DESI / NASR Consulting Engineers
 6765 Daly Road
 West Bloomfield, MI 48322
 248.392.2010

Civil Engineer Spalding DeDecker
 905 South Blvd East
 Rochester Hills, MI 48307
 800.598.1600

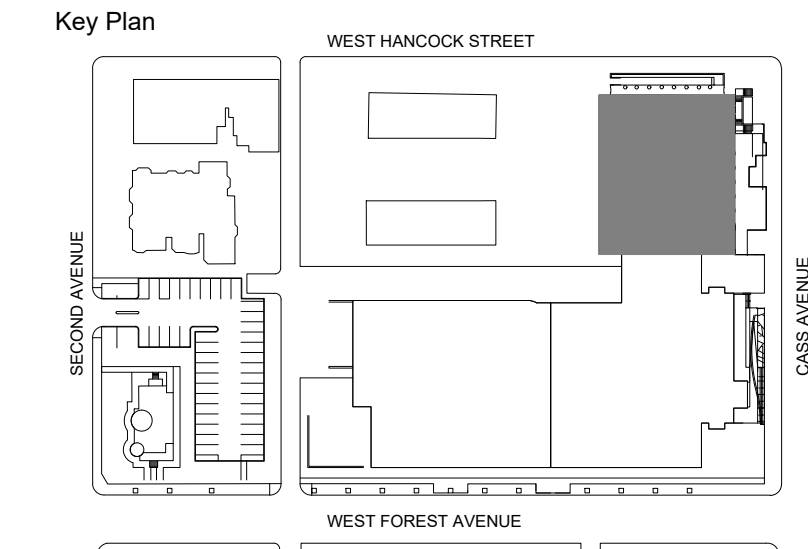
Landscape Architect Hamilton Anderson
 1435 Randolph Street, Suite 200
 Detroit, MI 48226
 313.964.0270

Theatrical Auerbach Pollock Friedlander
 266 West 37th Street
 New York, NY 10018
 212.764.5630

Lighting Auerbach Glasow
 1045 Sansome Street, Suite 300
 San Francisco, CA 94111
 415.392.7528

Acoustics Jaffe Holden
 114-A Washington Street
 Norwalk, CT 06864
 203.838.4168

DETROIT, MI



100% DESIGN DEVELOPMENT	FEB 06, 2019
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Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
Drawing Title
THEATRICAL RIGGING PLAN LEVEL ONE - VALADE CENTER

Project Number: 3995-001-00
 Drawn By: APF
 Scale: AS NOTED
 Seal:

1 THEATRICAL RIGGING PLAN - LEVEL ONE - VALADE CENTER
 3/16"=1'-0"

Signature: _____
 Drawing No: **TR1.1A**

FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

Owner: Wayne State University FP&M
 5454 Cass Ave
 Detroit, MI 48202
 313.577.2424

Contractor: Walbridge
 777 Woodward Ave., Suite 300
 Detroit, MI 48202
 313.963.8900

Executive Architect: Hamilton Anderson
 1435 Randolph Street, Suite 200
 Detroit, MI 48226
 313.964.0270

Design Architect: HGA
 420 5th Street N, Suite 100
 Minneapolis, MN 55401
 612.758.4000

MEP Engineer: HGA
 420 5th Street N, Suite 100
 Minneapolis, MN 55401
 612.758.4000

Structural Engineer: DESI / NASR Consulting Engineers
 6765 Daily Road
 West Bloomfield, MI 48322
 248.392.2010

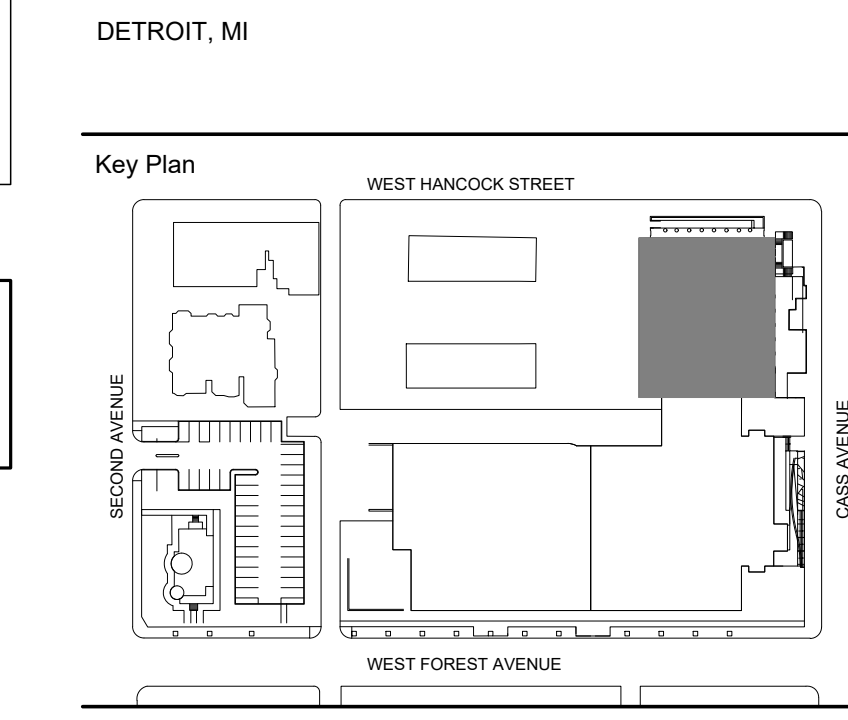
Civil Engineer: Spalding DeDecker
 905 South Blvd East
 Rochester Hills, MI 48307
 800.598.1600

Landscape Architect: Hamilton Anderson
 1435 Randolph Street, Suite 200
 Detroit, MI 48226
 313.964.0270

Theatrical: Auerbach Pollock Friedlander
 266 West 37th Street
 New York, NY 10018
 212.764.5630

Lighting: Auerbach Glasgow
 1045 Sansome Street, Suite 300
 San Francisco, CA 94111
 415.392.7528

Acoustics: Jaffe Holden
 114-A Washington Street
 Norwalk, CT 06864
 203.838.4168



100% DESIGN DEVELOPMENT	FEB 06, 2019
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Project: **WSU - GATEWAY THEATER COMPLEX**
 WSU PROJECT NO. 189-178578
 Drawing Title: **THEATRICAL RIGGING CENTERLINE SECTION VALADE CENTER**

Project Number: 3995-001-00
 Drawn By: APF
 Scale: AS NOTED
 Seal:

Signature: _____
 Drawing No: **TR3.1A**

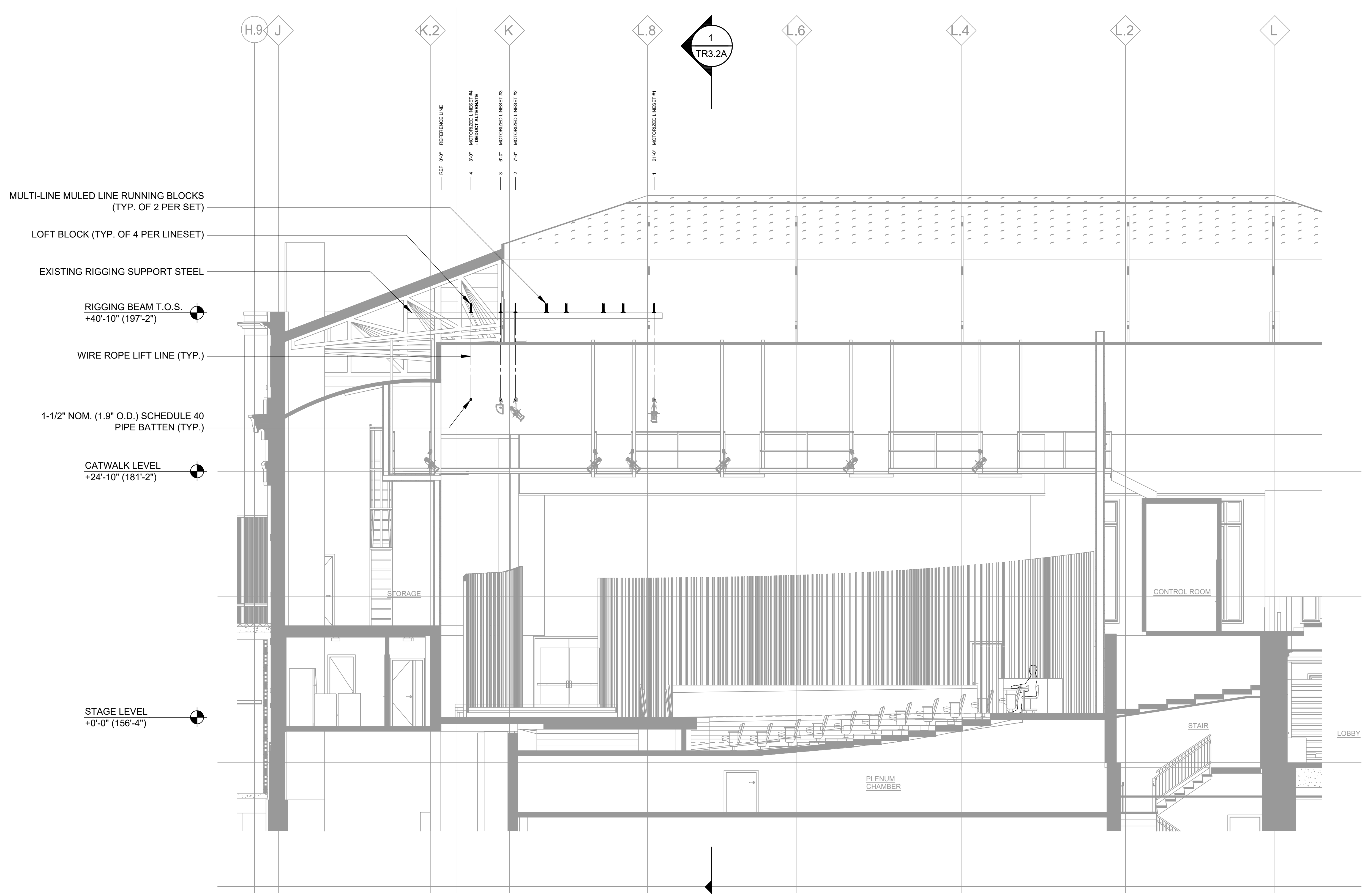
FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

- GENERAL NOTES**
1. VERIFY DIMENSIONS AND CONDITIONS IN FIELD BEFORE FABRICATION.
 2. EQUIPMENT AND WORK SHOWN ON THIS DRAWING UNDER WORK OF 116133 UNLESS OTHERWISE NOTED.
 3. ALL FASTENERS TO HAVE LOCKWASHERS OR OTHER APPROVED SELF-LOCKING HARDWARE.
 4. ALL EXPOSED ELEMENTS TO BE FINISHED FLAT BLACK UNLESS OTHERWISE NOTED.
 5. FLEET ANGLES SHALL NOT EXCEED 1.5°.
 6. THEATRICAL RIGGING SYSTEM SHOP DRAWINGS MUST BE STAMPED BY A STRUCTURAL ENGINEER LICENSED IN THE PROJECT JURISDICTION.
 7. THEATRICAL RIGGING CONTRACTOR TO VERIFY RIGGING MOTOR SIZES, LOADS, POWER REQUIREMENTS, AND CONTROL WIRE TYPES, SIZES, AND COUNTS.
 8. ALL CONDUIT, WIRE, POWER FEEDS, JUNCTION/PULL BOXES, NON-FUSED DISCONNECTS, AND FINAL TERMINATIONS BY DIVISION 26 UNLESS OTHERWISE NOTED.
 9. NO CONDUIT OR CONDUIT SUPPORTS PERMITTED ON HORIZONTAL PIPES OR CATWALK RAILINGS, ALL CATWALK AND GALLERY RAILINGS TO BE COMPLETELY CLEAR OF ALL OBSTRUCTIONS FROM TOP OF KICK PLATE TO TOP OF UPPER HORIZONTAL RAILING.
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 11. THIS DRAWING IS INTENDED TO PROVIDE INFORMATION REGARDING THEATRICAL EQUIPMENT ONLY. REFER TO APPLICABLE ARCHITECTURAL OR ENGINEERING DRAWINGS FOR ARCHITECTURAL AND ENGINEERING INFORMATION RELATING TO THE BUILDING.

SYMBOL KEY

- AUTOMATED THEATRICAL RIGGING EMERGENCY STOP / CONTROL POINT
- AUTOMATED THEATRICAL RIGGING EMERGENCY STOP
- THEATRICAL RIGGING POINT LOAD / LIFT LINE
- CHAIN HOIST POWER RECEPTACLE NEMA L21-30 (5-WIRE, 30A 208V 3-PHASE) (UNDER DIVISION 26 WORK)
- 120/208V COMPANY SWITCH (UNDER DIVISION 26 WORK)

NOTE:
 MOTORIZED LINESSET #4 IS LISTED AS A DEDUCT-ALTERNATE.



1 THEATRICAL RIGGING CENTERLINE SECTION - VALADE CENTER
 3/16"=1'-0"

Owner: Wayne State University FP&M
 5454 Cass Ave
 Detroit, MI 48202
 313.577.2424

Contractor: Walbridge
 777 Woodward Ave., Suite 300
 Detroit, MI 48202
 313.963.8900

Executive Architect: Hamilton Anderson
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 Detroit, MI 48226
 313.964.0270

Design Architect: HGA
 420 5th Street N, Suite 100
 Minneapolis, MN 55401
 612.758.4000

MEP Engineer: HGA
 420 5th Street N, Suite 100
 Minneapolis, MN 55401
 612.758.4000

Structural Engineer: DESI / NASR Consulting Engineers
 6765 Daily Road
 West Bloomfield, MI 48322
 248.392.2010

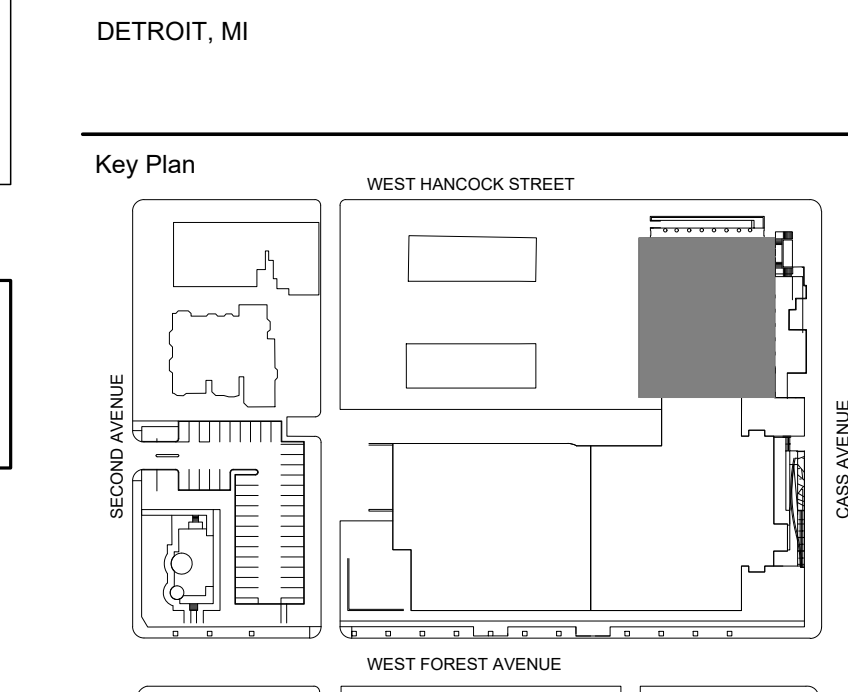
Civil Engineer: Spalding DeDecker
 905 South Blvd East
 Rochester Hills, MI 48307
 800.598.1600

Landscape Architect: Hamilton Anderson
 1435 Randolph Street, Suite 200
 Detroit, MI 48226
 313.964.0270

Theatrical: Auerbach Pollock Friedlander
 286 West 37th Street
 New York, NY 10018
 212.764.5630

Lighting: Auerbach Glasow
 1045 Sansome Street, Suite 300
 San Francisco, CA 94111
 415.392.7528

Acoustics: Jaffe Holden
 114-A Washington Street
 Norwalk, CT 06864
 203.838.4188



100% DESIGN DEVELOPMENT	FEB 06, 2019
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Project: **WSU - GATEWAY THEATER COMPLEX**
 WSU PROJECT NO. 189-178578

Drawing Title: **THEATRICAL RIGGING TRANSVERSE SECTION TYPICAL LINESET VALADE CENTER**

Project Number: 3995-001-00
 Drawn By: APF
 Scale: AS NOTED

Seal:

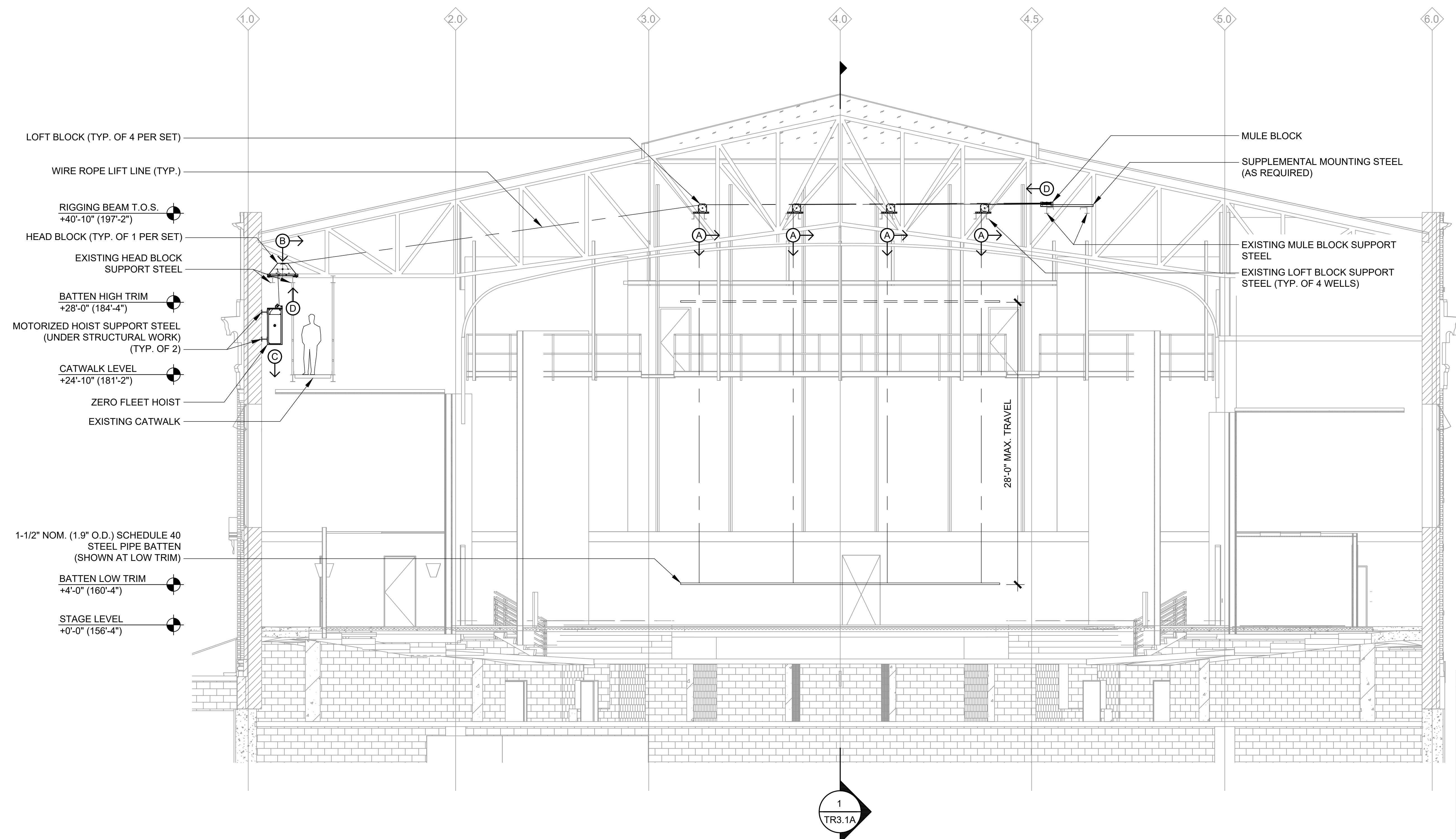
- GENERAL NOTES**
- VERIFY DIMENSIONS AND CONDITIONS IN FIELD BEFORE FABRICATION.
 - EQUIPMENT AND WORK SHOWN ON THIS DRAWING UNDER WORK OF 116133 UNLESS OTHERWISE NOTED.
 - ALL FASTENERS TO HAVE LOCKWASHERS OR OTHER APPROVED SELF-LOCKING HARDWARE.
 - ALL EXPOSED ELEMENTS TO BE FINISHED FLAT BLACK UNLESS OTHERWISE NOTED.
 - FLEET ANGLES SHALL NOT EXCEED 1.5°.
 - THEATRICAL RIGGING SYSTEM SHOP DRAWINGS MUST BE STAMPED BY A STRUCTURAL ENGINEER LICENSED IN THE PROJECT JURISDICTION.
 - THEATRICAL RIGGING CONTRACTOR TO VERIFY RIGGING MOTOR SIZES, LOADS, POWER REQUIREMENTS, AND CONTROL WIRE TYPES, SIZES, AND COUNTS.
 - ALL CONDUIT, WIRE, POWER FEEDS, JUNCTION/PULL BOXES, NON-FUSED DISCONNECTS, AND FINAL TERMINATIONS BY DIVISION 26 UNLESS OTHERWISE NOTED.
 - NO CONDUIT OR CONDUIT SUPPORTS PERMITTED ON HORIZONTAL PIPES OR CATWALK RAILINGS, ALL CATWALK AND GALLERY RAILINGS TO BE COMPLETELY CLEAR OF ALL OBSTRUCTIONS FROM TOP OF KICK PLATE TO TOP OF UPPER HORIZONTAL RAILING.
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- SYMBOL KEY**
- AUTOMATED THEATRICAL RIGGING EMERGENCY STOP / CONTROL POINT
 - AUTOMATED THEATRICAL RIGGING EMERGENCY STOP
 - THEATRICAL RIGGING POINT LOAD / LIFT LINE
 - CHAIN HOIST POWER RECEPTACLE NEMA L21-30 (5-WIRE, 30A 208V 3-PHASE) (UNDER DIVISION 26 WORK)
 - 120/208V COMPANY SWITCH (UNDER DIVISION 26 WORK)

NOTE:
 MOTORIZED LINESET #4 IS LISTED AS A DEDUCT-ALTERNATE.

- LOADING CRITERIA**
- A** = 500 POUND POINT LOAD AT LOFT BLOCKS. SUM OF LOADS WILL NOT EXCEED 1,000 LBS PER MOTORIZED BATTEN. (INCLUDES VERTICAL AND HORIZONTAL VECTORS)
 - B** = 1000 POUND POINT LOAD AT HEAD BLOCKS. (INCLUDES VERTICAL AND HORIZONTAL VECTORS)
 - C** = 500 POUNDS ON HOIST MOUNTING BEAM DUE TO HOIST SELF-WEIGHT. (DOWNWARD VECTOR)
 - D** = 1000 POUNDS TOTAL BATTEN LOAD.

- NOTES:**
- BATTEN LOADING IS SUBJECT TO A DYNAMIC LOAD FACTOR OF 1.2 DURING A POWER FAILURE STOP (CAT-0 E-STOP).

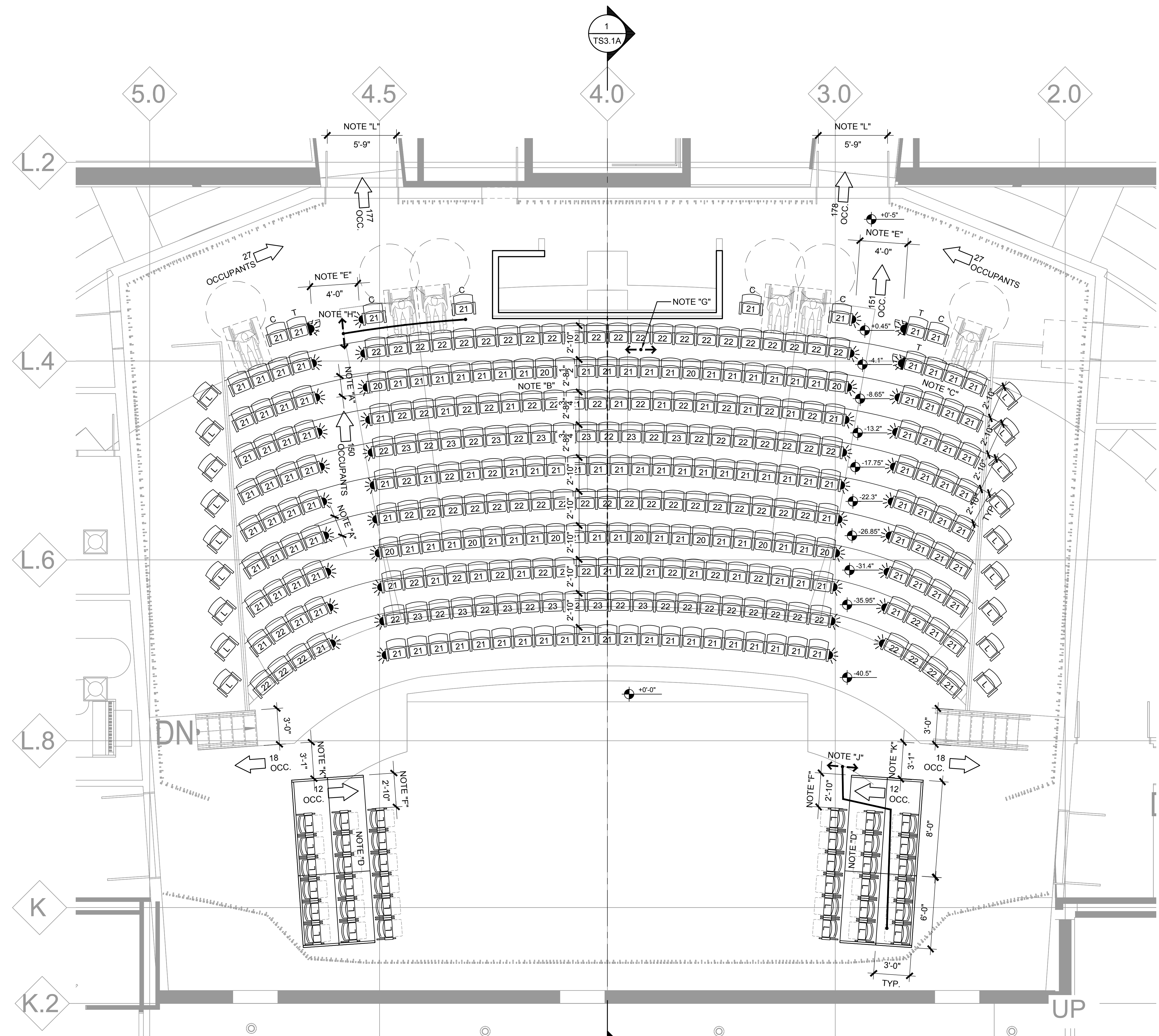


1 THEATRICAL RIGGING TRANSVERSE SECTION LOOKING UPSTAGE - TYPICAL MOTORIZED LINESET - VALADE CENTER
 3/16"=1'-0"

Signature: _____

Drawing No: **TR3.2A**

FOR REFERENCE ONLY - NOT FOR CONSTRUCTION



CODE COMPLIANCE NOTES

CODES REFERENCED ARE:
 INTERNATIONAL BUILDING CODE 2015 EDITION
 ICC 300 2012 EDITION
 ICC/ANSI A117.1 - 2009 EDITION
 OCCUPANCY CLASSIFICATION: ASSEMBLY GROUP A-1

NOTE "A":
 IN ORDER TO COMPLY WITH CODE REQUIRED MINIMUM AISLE ACCESSWAY DIMENSIONS AND TO PROVIDE FOR PATRON COMFORT, THE MAXIMUM FIXED SEAT ENVELOPE (DIMENSION FROM FRONT OF SEAT TO BACK) SHALL NOT EXCEED 17.5".

NOTE "B":
 SEAT SPACING FOR DUAL ACCESS ROW PER 1029.12.2.1. THE LONGEST DUAL ACCESS ROW CONTAINS 23 SEATS. 23 SEATS MINUS 14 SEATS = 9 SEAT. 12" + (9)(0.3") = 14.7" MINIMUM AISLE ACCESSWAY REQUIRED. 32.5" ROW TO ROW SPACING (WORST CASE) MINUS 17.5" SEAT ENVELOPE = 15" AISLE ACCESSWAY PROVIDED.

NOTE "C":
 SEAT SPACING FOR SINGLE ACCESS ROW PER 1029.12.2.2. THE LONGEST SINGLE ACCESS ROW CONTAINS 4 SEATS. MINIMUM AISLE ACCESSWAY REQUIRED = 12". 34" ROW TO ROW SPACING MINUS 17.5" SEAT ENVELOPE = 16.5" AISLE ACCESSWAY PROVIDED.

NOTE "D":
 SEAT SPACING FOR SINGLE ACCESS ROW PER 1029.12.2.2. THE LONGEST SINGLE ACCESS ROW CONTAINS 7 SEATS. MINIMUM AISLE ACCESSWAY REQUIRED = 12". 36" ROW TO ROW SPACING MINUS 20" LOOSE SEAT ENVELOPE = 16" AISLE ACCESSWAY PROVIDED.

NOTE "E":
 STEPPED AISLE WITH SEATING ON BOTH SIDES PER SECTION 1029.6.1 PARAGRAPH 1 REQUIRES 0.3" OF WIDTH FOR EACH OCCUPANT SERVED. THERE ARE 152 OCCUPANTS SERVED (WORST CASE). (152)(0.3") = 45.6" CALCULATED MINIMUM REQUIRED WIDTH. PER SECTION 1029.9.1 PARAGRAPH 1 MINIMUM REQUIRED WIDTH IS 48" AND 48" IS PROVIDED.

NOTE "F":
 STEPPED AISLE WITH SEATING ON ONE SIDE PER SECTION 1029.6.1 PARAGRAPH 1 REQUIRES 0.3" OF WIDTH FOR EACH OCCUPANT SERVED. THERE ARE 12 OCCUPANTS SERVED (WORST CASE). (12)(0.3") = 3.6" CALCULATED MINIMUM REQUIRED WIDTH. PER SECTION 1029.9.1 EXCEPTION 2 MINIMUM REQUIRED WIDTH IS 23" AND 34" IS PROVIDED.

NOTE "G":
 COMMON PATH OF EGRESS TRAVEL PER SECTION 1029.8 SHALL NOT EXCEED 30 FEET FROM THE POINT WHERE THE OCCUPANT IS SEATED TO A POINT WHERE THE OCCUPANT HAS A CHOICE OF TWO DIRECTIONS OF TRAVEL TO TWO EXITS. PATRONS IN DUAL ACCESS ROWS HAVE TWO DIRECTIONS IMMEDIATELY UPON STANDING SO THE EFFECTIVE TRAVEL DISTANCE IS ZERO FEET WHICH DOES NOT EXCEED THE MAXIMUM ALLOWED.

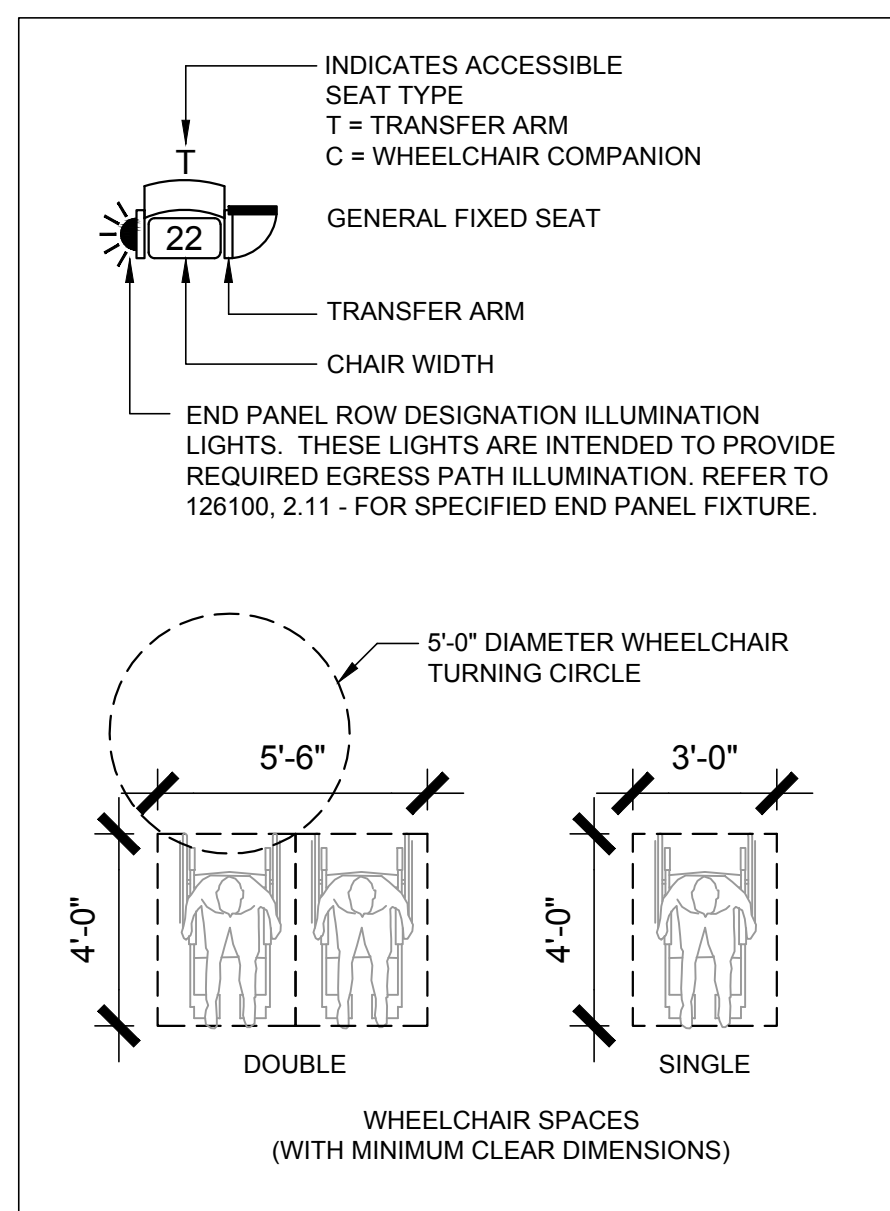
NOTE "H":
 COMMON PATH OF EGRESS TRAVEL PER SECTION 1029.8 SHALL NOT EXCEED 30 FEET FROM THE POINT WHERE THE OCCUPANT IS SEATED TO A POINT WHERE THE OCCUPANT HAS A CHOICE OF TWO DIRECTIONS OF TRAVEL TO TWO EXITS. INDICATED DISTANCE IS 10'-0" WHICH DOES NOT EXCEED THE MAXIMUM ALLOWED.

NOTE "I":
 COMMON PATH OF EGRESS TRAVEL PER SECTION 1029.8 SHALL NOT EXCEED 30 FEET FROM THE POINT WHERE THE OCCUPANT IS SEATED TO A POINT WHERE THE OCCUPANT HAS A CHOICE OF TWO DIRECTIONS OF TRAVEL TO TWO EXITS. INDICATED DISTANCE IS 16'-8" WHICH DOES NOT EXCEED THE MAXIMUM ALLOWED.

NOTE "K":
 MEANS OF EGRESS PER SECTION 1005.3.2 SHALL PROVIDE 0.2" OF WIDTH FOR EACH OCCUPANT SERVED. THERE ARE 21 OCCUPANTS SERVED. (21)(0.2") = 4.2" CALCULATED MINIMUM REQUIRED WIDTH. 37" OF WIDTH IS PROVIDED.

NOTE "L":
 EGRESS DOOR PER SECTION 1005.3.2 SHALL PROVIDE 0.2" OF WIDTH FOR EACH OCCUPANT SERVED. THERE ARE 178 OCCUPANTS SERVED (WORST CASE). (178)(0.20) = 35.6" CALCULATED MINIMUM REQUIRED WIDTH. 69" OF WIDTH IS PROVIDED.

SEATING KEY



GENERAL NOTES

- SEATING LAYOUT INDICATES DESIGN INTENT ONLY. FINAL LAYOUT ON SHOP DRAWINGS INCLUDING CHAIR DIMENSIONS AND QUANTITIES ARE THE SOLE RESPONSIBILITY OF THE THEATRICAL SEATING CONTRACTOR.
- CLEAR AISLE DIMENSIONS INDICATED ON THE DRAWINGS ARE TO BE FOLLOWED WHEN PREPARING SHOP DRAWINGS. THESE DIMENSIONS ARE BASED ON PROJECT CODE REQUIREMENTS.
- VERIFY ALL DIMENSIONS AND CONDITIONS IN FIELD PRIOR TO PREPARATION OF SHOP DRAWINGS.
- WHEN LAYING OUT SEATS IN ROWS WHICH CONTAIN VARYING WIDTH SEATS, ADHERE TO THE FOLLOWING GUIDELINES WHERE POSSIBLE:
 - A NARROWER SEAT IS TO BE MOUNTED ADJACENT TO AN AISLE.
 - A WIDER SEAT IS TO BE MOUNTED ADJACENT TO SIDE WALLS OR RAILINGS.
 - THE REMAINING VARYING WIDTH SEATS ARE TO BE DISTRIBUTED THROUGHOUT THE ROW SO THAT NARROW SEATS ARE NOT MOUNTED ADJACENT TO ONE ANOTHER.
 - WHERE POSSIBLE, SEATS SHOULD BE STAGGERED FROM ROW TO ROW.
- ALL EQUIPMENT BY SEATING CONTRACTOR UNLESS OTHERWISE NOTED.
- AISLE LIGHT FIXTURES PREWIRED BY SEATING CONTRACTOR AND TERMINATED BY DIVISION 26. AISLE LIGHT JUNCTION BOX, WIRE, AND CONDUIT PROVIDED BY DIVISION 26.
- AISLE LIGHT TRANSFORMER(S) SUPPLIED BY SEATING CONTRACTOR AND INSTALLED BY DIVISION 26.
- ROW LETTER AND SEAT NUMBER SCHEME SHALL BE CONFIRMED DURING THE SEATING SHOP DRAWING PROCESS.

ACCESSIBILITY NOTES

- WHEELCHAIR SPACES REQUIRED BY IBC 1108.2.2.1 = 6. 6 SPACES ARE PROVIDED.
- WHEELCHAIR COMPANION SEATS ARE PROVIDED ADJACENT TO WHEELCHAIR SPACES PER IBC 1108.2.3.
- AISLE ADJACENT TRANSFER SEATS REQUIRED BY IBC 1108.2.6 = 3 (5% OF TOTAL NUMBER OF AISLE SEATS AND THERE ARE 46 AISLE SEATS). 3 TRANSFER SEATS ARE PROVIDED.

SEATING TOTALS

	ORCHESTRA	STAGE	OVERALL
FIXED SEATS	295	-	295
LOOSE SEATS	18	36	54
WHEELCHAIRS	6	-	6
TOTAL	319	36	355

Owner: Wayne State University FP&M
 5454 Cass Ave
 Detroit, MI 48202
 313.577.2424

Contractor: Walbridge
 777 Woodward Ave., Suite 300
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Executive Architect: Hamilton Anderson
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 Detroit, MI 48226
 313.964.0270

Design Architect: HGA
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 Minneapolis, MN 55401
 612.758.4000

MEP Engineer: HGA
 420 5th Street N, Suite 100
 Minneapolis, MN 55401
 612.758.4000

Structural Engineer: DESI / NASR Consulting Engineers
 6765 Daly Road
 West Bloomfield, MI 48322
 248.392.2010

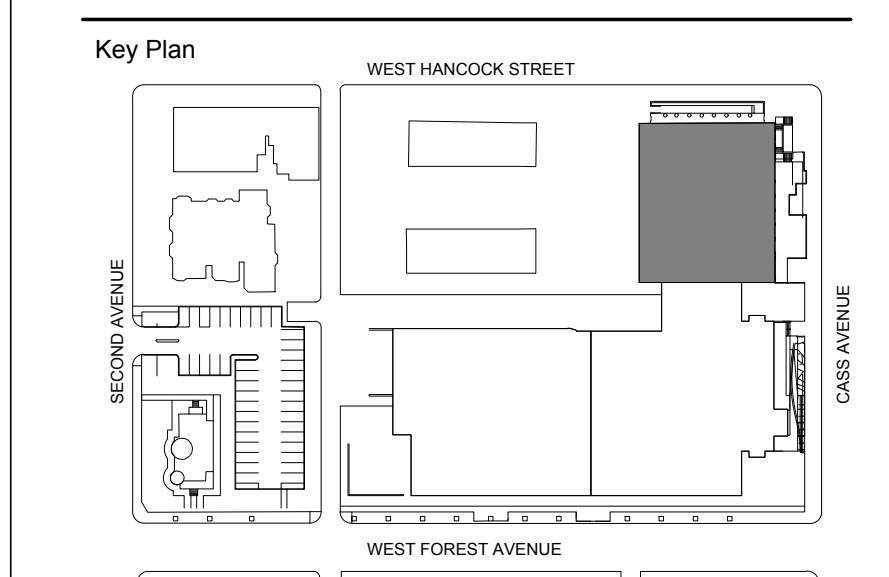
Civil Engineer: Spalding DeDecker
 905 South Blvd East
 Rochester Hills, MI 48307
 800.688.1000

Landscape Architect: Hamilton Anderson
 1435 Randolph Street, Suite 200
 Detroit, MI 48226
 313.964.0270

Theatrical: Auerbach Pollock Friedlander
 285 West 37th Street
 New York, NY 10018
 212.764.5630

Lighting: Auerbach Glasow
 1045 Sansome Street, Suite 300
 San Francisco, CA 94111
 415.392.7528

Acoustics: Jaffe Holden
 114-A Washington Street
 Norwalk, CT 06864
 203.838.4188



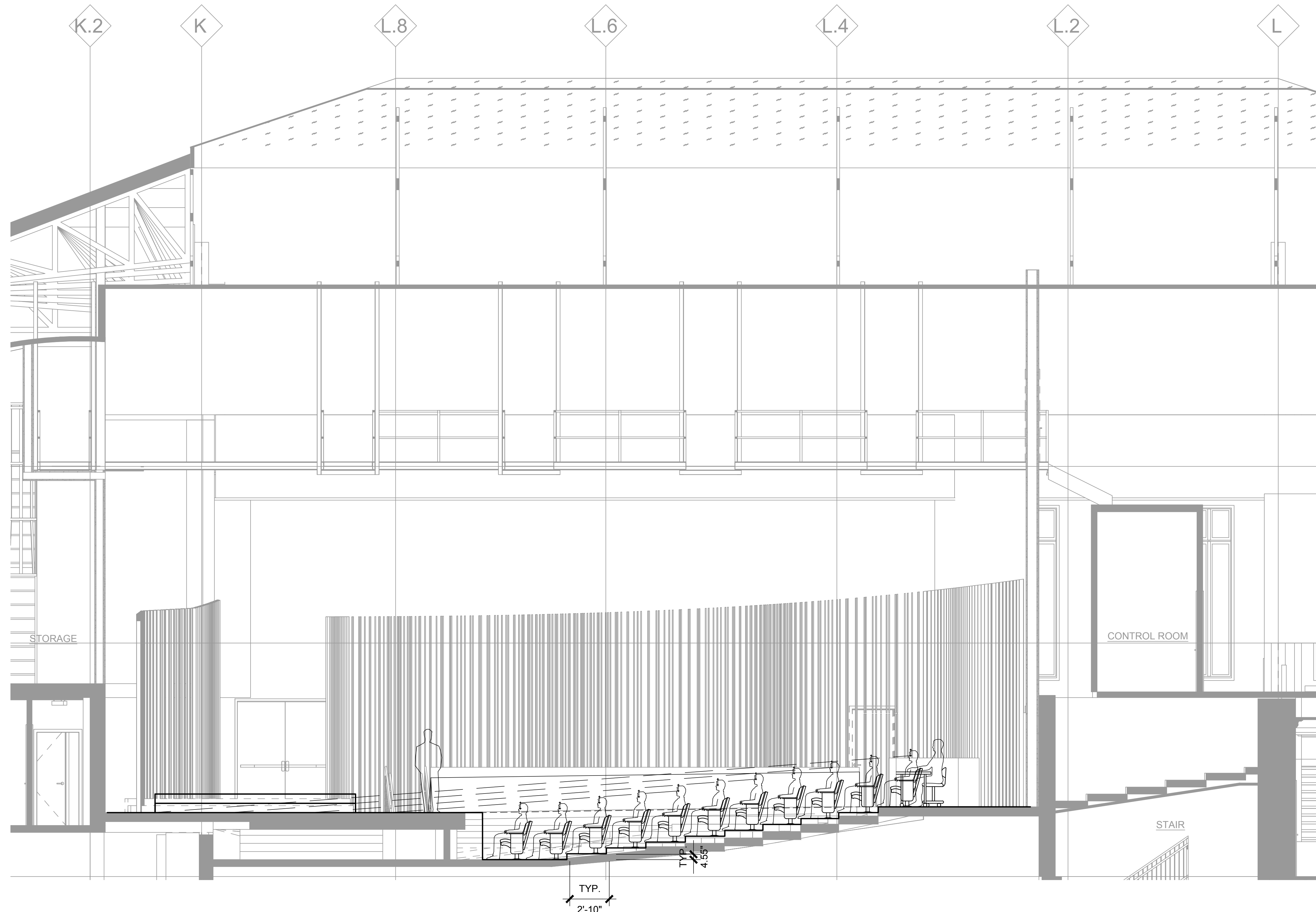
100% DESIGN DEVELOPMENT	FEB 06, 2019
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Project: **WSU - GATEWAY THEATER COMPLEX**
 WSU PROJECT NO. 189-178578
 Drawing Title: **THEATRICAL SEATING LAYOUT PLAN VALADE CENTER, LEVEL ONE**
 Project Number: 3999-001-00
 Drawn By: APF
 Scale: AS NOTED
 Seal:

1 THEATRICAL SEATING LAYOUT PLAN - LEVEL ONE - VALADE CENTER
 1/4"=1'-0"

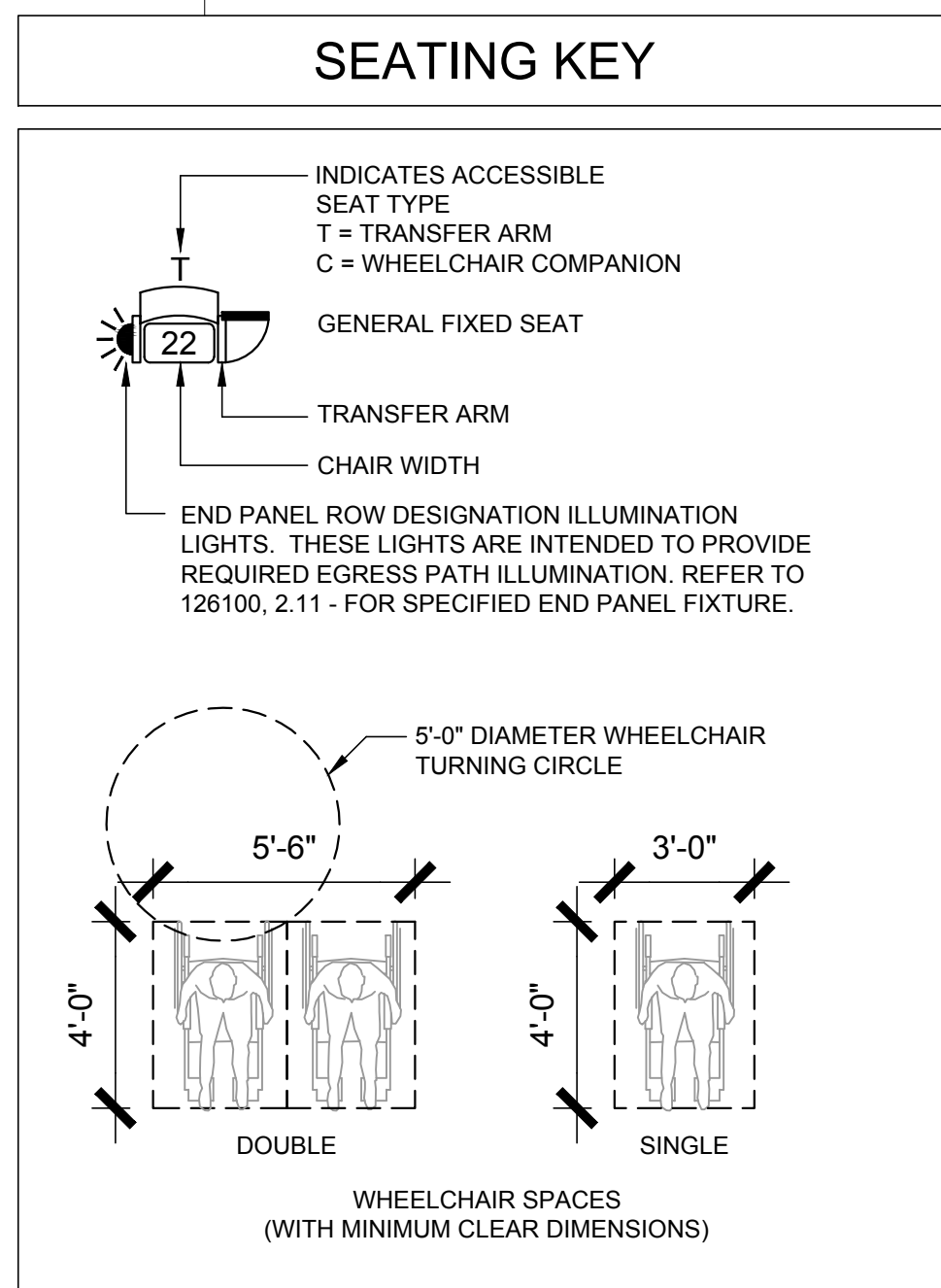
Signature: _____
 Drawing No: _____
TS1.1A

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1 THEATRICAL SEATING - VALADE CENTER - CENTERLINE SECTION
 1/4"=1'-0"

- BACK ROW
+0'-5"
- STAGE
+0'-0"
- FRONT ROW
-3'-4 1/2"
- LOBBY
-4'-7"



- ### GENERAL NOTES
- SEATING LAYOUT INDICATES DESIGN INTENT ONLY. FINAL LAYOUT ON SHOP DRAWINGS INCLUDING CHAIR DIMENSIONS AND QUANTITIES ARE THE SOLE RESPONSIBILITY OF THE THEATRICAL SEATING CONTRACTOR.
 - CLEAR AISLE DIMENSIONS INDICATED ON THE DRAWINGS ARE TO BE FOLLOWED WHEN PREPARING SHOP DRAWINGS. THESE DIMENSIONS ARE BASED ON PROJECT CODE REQUIREMENTS.
 - VERIFY ALL DIMENSIONS AND CONDITIONS IN FIELD PRIOR TO PREPARATION OF SHOP DRAWINGS.
 - WHEN LAYING OUT SEATS IN ROWS WHICH CONTAIN VARYING WIDTH SEATS, ADHERE TO THE FOLLOWING GUIDELINES WHERE POSSIBLE:
 - A NARROWER SEAT IS TO BE MOUNTED ADJACENT TO AN AISLE.
 - A WIDER SEAT IS TO BE MOUNTED ADJACENT TO SIDE WALLS OR RAILINGS.
 - THE REMAINING VARYING WIDTH SEATS ARE TO BE DISTRIBUTED THROUGHOUT THE ROW SO THAT NARROW SEATS ARE NOT MOUNTED ADJACENT TO ONE ANOTHER.
 - WHERE POSSIBLE, SEATS SHOULD BE STAGGERED FROM ROW TO ROW.
 - ALL EQUIPMENT BY SEATING CONTRACTOR UNLESS OTHERWISE NOTED.
 - AISLE LIGHT FIXTURES PREWIRED BY SEATING CONTRACTOR AND TERMINATED BY DIVISION 26. AISLE LIGHT JUNCTION BOX, WIRE, AND CONDUIT PROVIDED BY DIVISION 26.
 - AISLE LIGHT TRANSFORMER(S) SUPPLIED BY SEATING CONTRACTOR AND INSTALLED BY DIVISION 26.
 - ROW LETTER AND SEAT NUMBER SCHEME SHALL BE CONFIRMED DURING THE SEATING SHOP DRAWING PROCESS.

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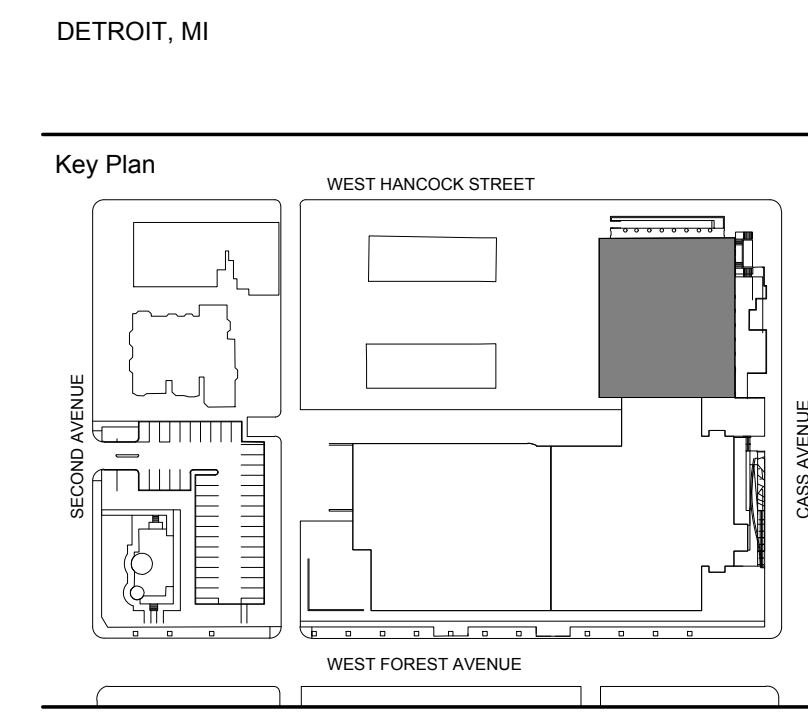
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Project
WSU - GATEWAY THEATER COMPLEX
 WSU PROJECT NO. 189-178578
 Drawing Title
THEATRICAL SEATING CENTERLINE SECTION - VALADE CENTER

Project Number: 3995-001-00
 Drawn By: APF
 Scale: AS NOTED
 Seal:

Signature: _____
 Drawing No:
TS3.1A

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