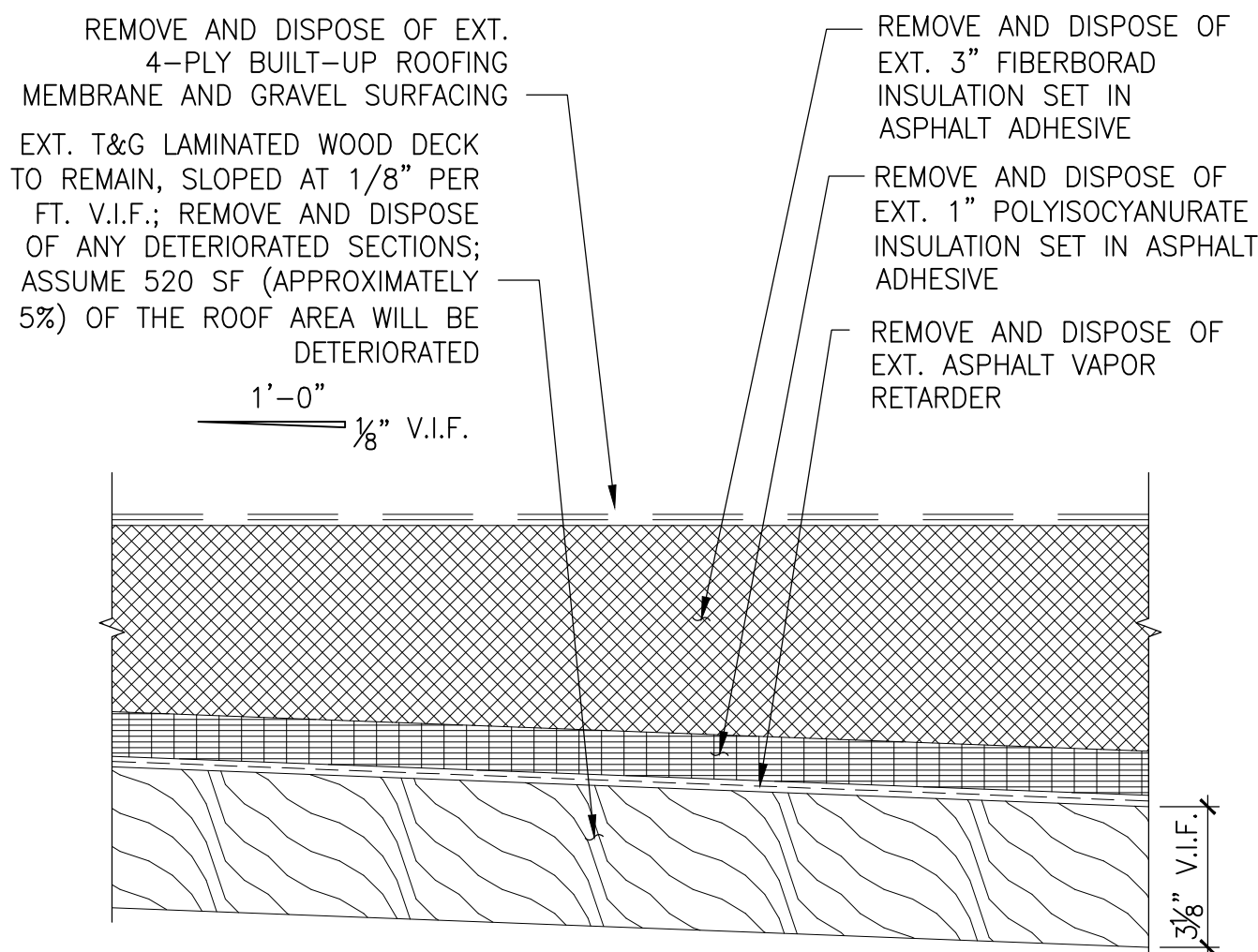
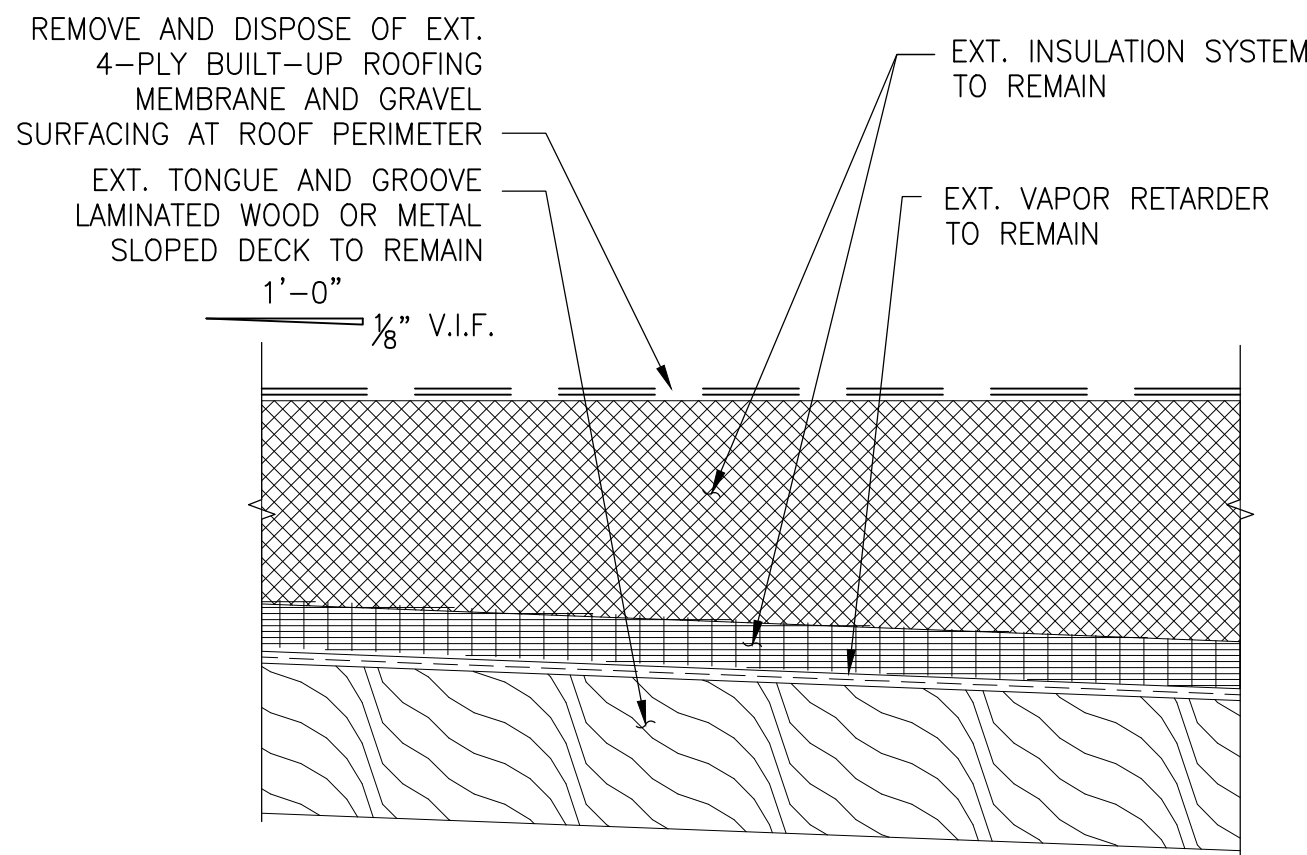


# AD100

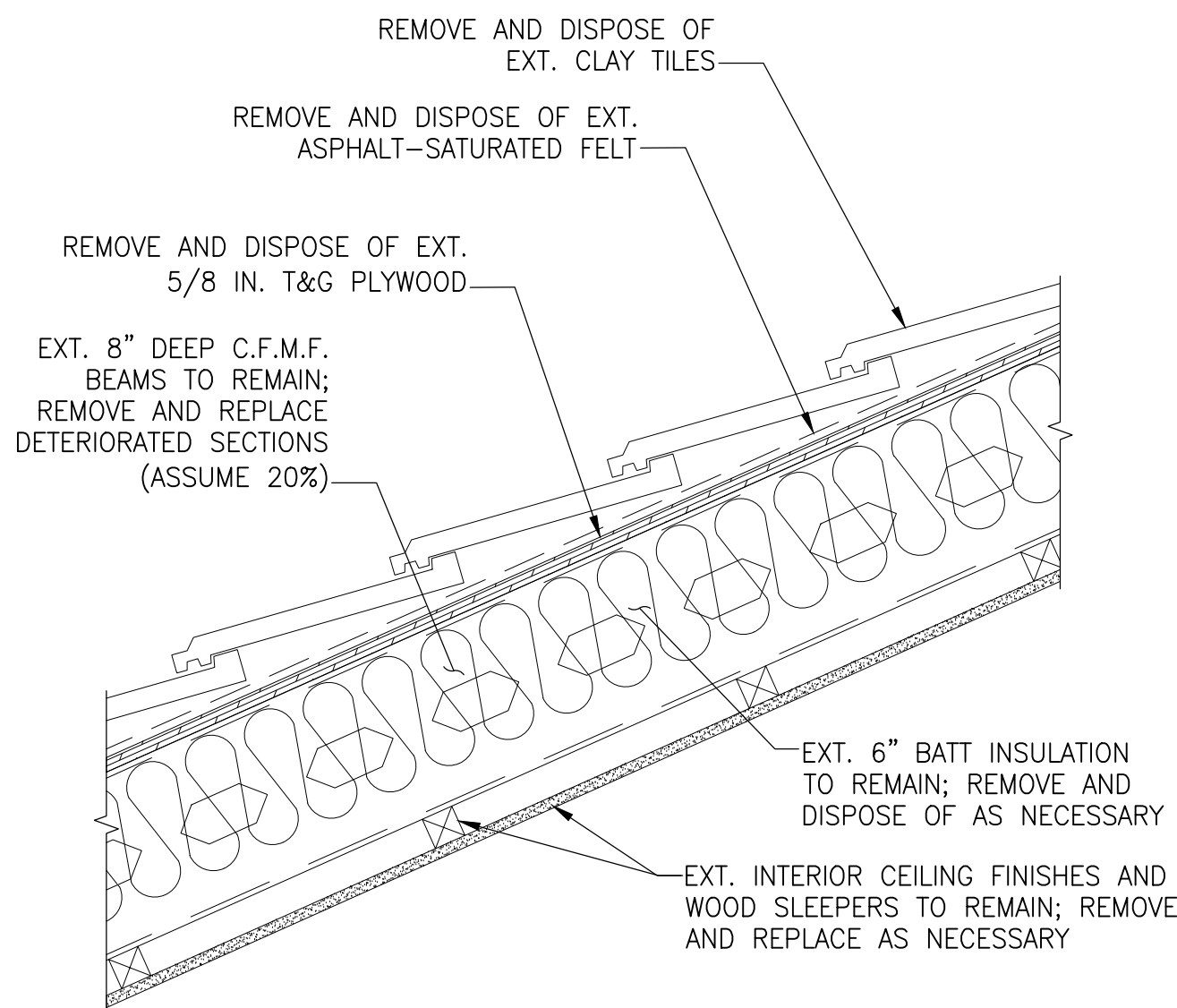




NOTE: REMOVE AND DISPOSE OF TAPERED FIBERBOARD INSULATION AT CRICKETS; 6" MAX. TAPERED INSULATION HEIGHT



NOTE: REMOVE AND DISPOSE OF EXT. GRAVEL STOPS AND/OR PARAPET COPINGS



#### GENERAL SCOPE OF WORK SHOWN ON THIS DRAWING:

- Natatorium and Weight Room Roofs:
1. Remove and dispose of the existing roofing membrane, gravel surfacing, rigid insulation, and vapor retarder over the existing wood decking.
  2. Remove and dispose of deteriorated portions of the existing wood decking. Assume 520 SF (approximately 5%) of the Natatorium roof deck will require replacement.
  3. Remove and dispose of the existing pipe penetration flashings, roof drain bowls and strainers, metal coping, and gravel stop.
  4. Remove and dispose of the existing HVAC curbs. Temporarily remove and cap existing conduit on roof (V.I.F. if active).

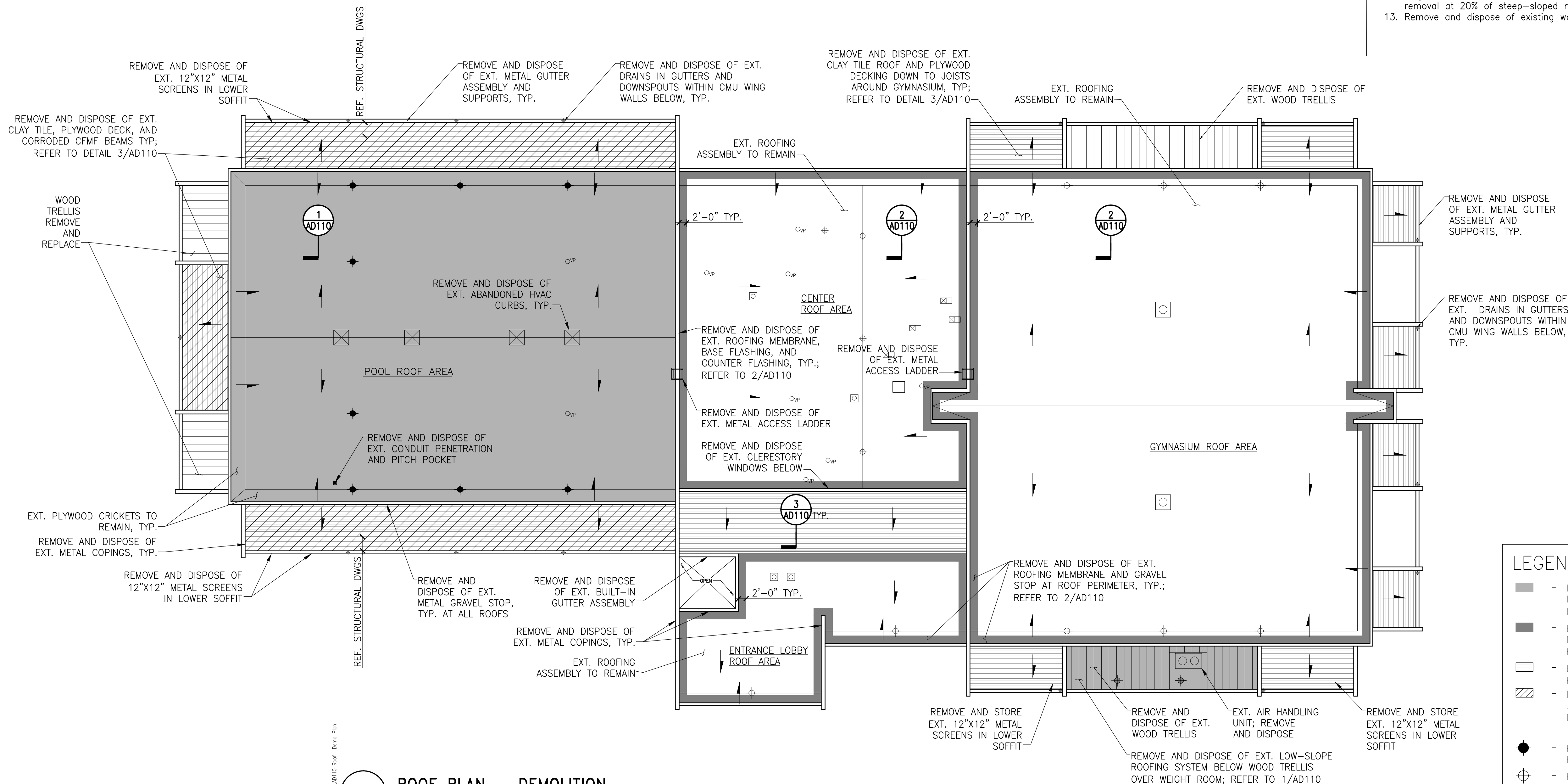
- Gymnasium and Central Roof Areas:
5. Remove and dispose of a 24 in. wide strip of the existing roofing membrane and gravel surfacing over the existing insulation and wood decking around the roof perimeters.
  6. Remove and dispose of the existing roofing membrane, gravel surfacing, rigid insulation, and membrane underlayment over the low-slope roof above the Weight Room along the south elevation of the Gymnasium.
  7. Remove and dispose of the existing metal copings, gravel stops, membrane base flashings and metal counterflashings.
  8. Remove and dispose of the existing metal roof ladders from the low roof onto the Natatorium and Gymnasium roofs.
  9. Remove and store, or protect in place, any and all rooftop equipment or penetrations that are locations within the roofing removal. Remove and dispose of the existing roof drain bowls at the low-slope roof above the Weight Room.

- Steep-Slope Roofs:
10. Remove and dispose of the existing clay tile shingles, roofing underlayment(s), plywood sheathing, metal flashings, metal counterflashings, and metal copings.
  11. Remove and dispose of the existing metal gutter liner, gutter supports and framing, internal drains, and downleaders set within the CMU fin walls.
  12. Around the Natatorium, remove and replace bottom section of corroded roof joist as shown on the structural drawings. Assume the additional of joists will be further corroded or deteriorated and require full removal at 20% of steep-sloped roof area.
  13. Remove and dispose of existing wood trellis.

#### 1 REMOVALS - TYPICAL NATATORIUM ROOFING

#### 2 REMOVALS - TYPICAL GYMNASIUM AND CENTER ROOFING AREAS

#### 3 REMOVALS - TYPICAL CLAY TILE ROOF



#### LEGEND

- EXTENT OF NATATORIUM LOW-SLOPE ROOFING REMOVAL; REFER TO 1/AD110
- EXTENT OF LOW-SLOPE ROOFING MEMBRANE AND GRAVEL STOP REMOVAL; REFER TO 2/AD110
- EXTENT OF STEEP-SLOPE ROOFING REMOVAL; REFER TO 3/AD110
- EXTENT OF C.F.M.F. BEAM REMOVAL AT STEEP-SLOPE ROOFING AROUND NATATORIUM; 134 BEAMS (ASSUME 20% ARE DETERIORATED)
- REMOVE AND DISPOSE OF EXT. ROOF DRAIN
- EXT. ROOF DRAIN TO REMAIN
- EXT. ROOF HATCH
- EXT. VENT PIPE
- EXT. HVAC EQUIPMENT AND CURB; PROTECT DURING CONSTRUCTION
- ANNOTATION DENOTING ROOF SLOPE

#### 1 ROOF PLAN - DEMOLITION

NOTE: INTERIOR ASSEMBLIES NOT SHOWN FOR CLARITY

1/16" = 1'-0"

#### SIMPSON GUMPERTZ & HEGER

Engineering of Structures and Building Enclosures

Simpson Gumpertz & Heger Inc.  
1828 L Street NW, Suite 950  
Washington, DC 20036  
main: 202.239.4199 fax: 202.239.4198  
www.sgh.com

Boston  
Chicago  
Los Angeles  
New York  
San Francisco  
Washington, DC

Door Hardware  
Consultant

**Erbschloe Consulting Services, Inc.**  
7820 Carvers Run Drive  
Marshall, VA 20115  
540.351.0553

Security  
Consultant

**GHD, Inc.**  
14585 Avion Parkway, Suite 150  
Chantilly, VA 20151  
571.325.5000

Cost Estimating  
Consultant

**Forella Group, LLC.**  
9495 Silver King Ct., Suite A  
Fairfax, VA 22031  
703.560.2200

Consultant

BID SET

No.	Date	Description	By
	01/22/16	Bid Set (County Response Set)	
	11/20/15	Pricing/Permit Set	
	08/28/15	100% Design Development	

**PHYSICAL EDUCATION BLDG  
EXTERIOR RENOVATION  
MONTGOMERY COLLEGE  
GERMANTOWN CAMPUS  
20200 OBSERVATION DRIVE  
GERMANTOWN, MD 20876**

Project

#### OVERALL ROOF DEMOLITION PLAN

Drawing Title

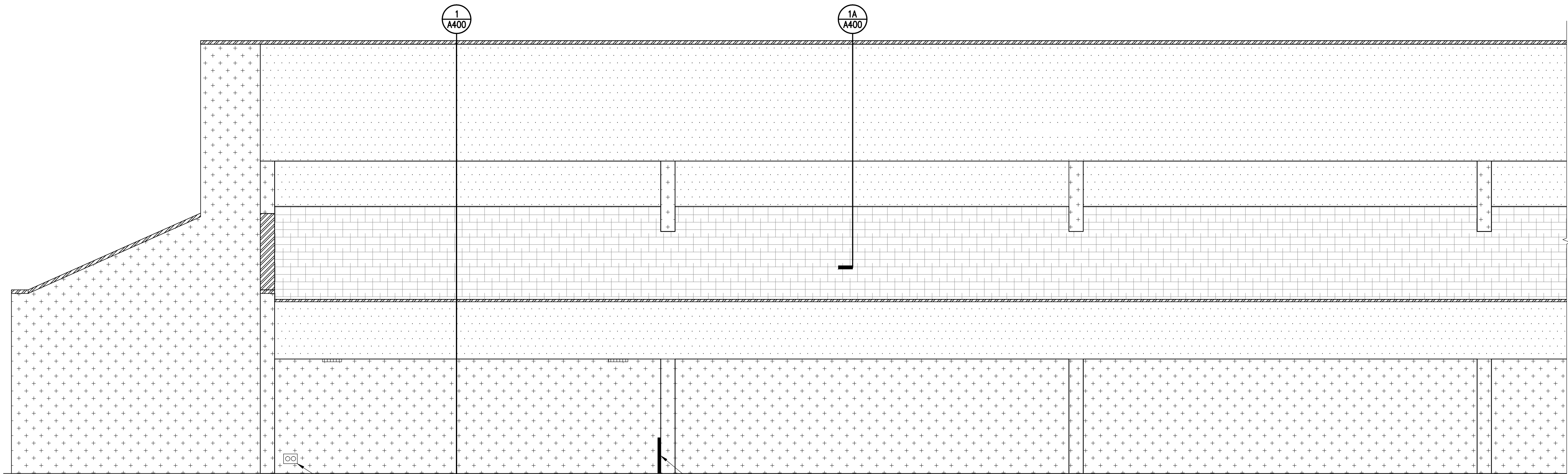
Project No. 150049.01	Checked PKF	Date 01/22/16
Drawn CEM/BSR	Approved DSS	Scale AS NOTED



Professional Engineer  
I hereby certify that these documents were  
prepared or approved by me, and that I am duly  
licensed professional engineer under the laws of  
the State of Maryland.  
License No. 15494 Exp. Date 6/1/17  
Seal

AD110



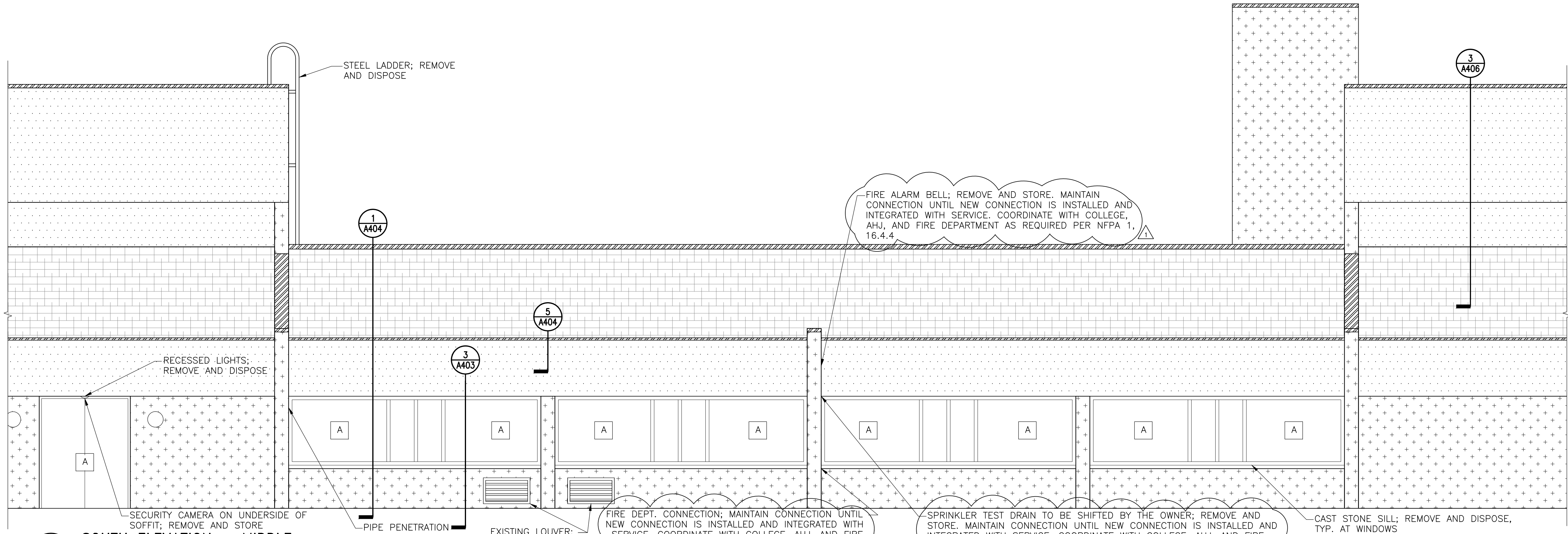


1 SOUTH ELEVATION – WEST END

HOSE BIB; REMOVE, DISPOSE,  
AND PROTECT CONNECTION  
DURING CONSTRUCTION

15 1/2" x 30 x 2 1/2" BUMPOUT – REMOVE AND  
PATCH CMU WALL AS NECESSARY

1/4" = 1'-0"



2 SOUTH ELEVATION – MIDDLE

**LEGEND**

--- DIRECT APPLIED STUCCO ON CMU BACKUP; TO REMAIN, REPAIR AS REQUIRED

--- EPS ASSEMBLY OVER SHEATHING AND CMF BACKUP; REMOVE AND DISPOSE CLADDING AND CMF

--- EPS ASSEMBLY OVER CMU BACKUP; REMOVE AND DISPOSE

--- CLAY TILE ROOF; REMOVE AND DISPOSE DOWN TO EXISTING JOISTS AS SHOWN ON AD110

--- METAL, GRAVEL, STOP AND CORNERS; REMOVE AND DISPOSE

A DOOR/WINDOW; REMOVE AND DISPOSE

HOSE BIB; REMOVE AND DISPOSE

VENT ON UNDERSIDE OF SOFFIT; REMOVE AND STORE

WALL-MOUNTED LIGHT FIXTURE; REMOVE AND DISPOSE

RECESSED LIGHT; REMOVE AND DISPOSE

TRELLIS ANCHORS TO REMAIN; ANCHORS ARE ALSO ATTACHED TO BACKSIDE OF EPS LOAD BEAM (NOT SHOWN)

NOTE: VERIFY ALL TYPES, NUMBER AND LOCATION OF MEP FIXTURES ON THE ELEVATIONS

LIGHT FIXTURE; REMOVE AND DISPOSE

PANEL BOX; REMOVE AND DISPOSE

METAL LOUVER

NOTE: Electrical work shown on this drawing shall be approved by an electrical engineer licensed in the State of Maryland, and shall be performed by a qualified electrician licensed in the State of Maryland.

1/4" = 1'-0"

BID SET

No.	Date	Description	By
1	01/22/16	Bid Set (County Response Set)	
2	11/20/15	Pricing/Permit Set	
3	08/28/15	100% Design Development	

**PHYSICAL EDUCATION BLDG  
EXTERIOR RENOVATION  
MONTGOMERY COLLEGE  
GERMANTOWN CAMPUS  
20200 OBSERVATION DRIVE  
GERMANTOWN, MD 20876**

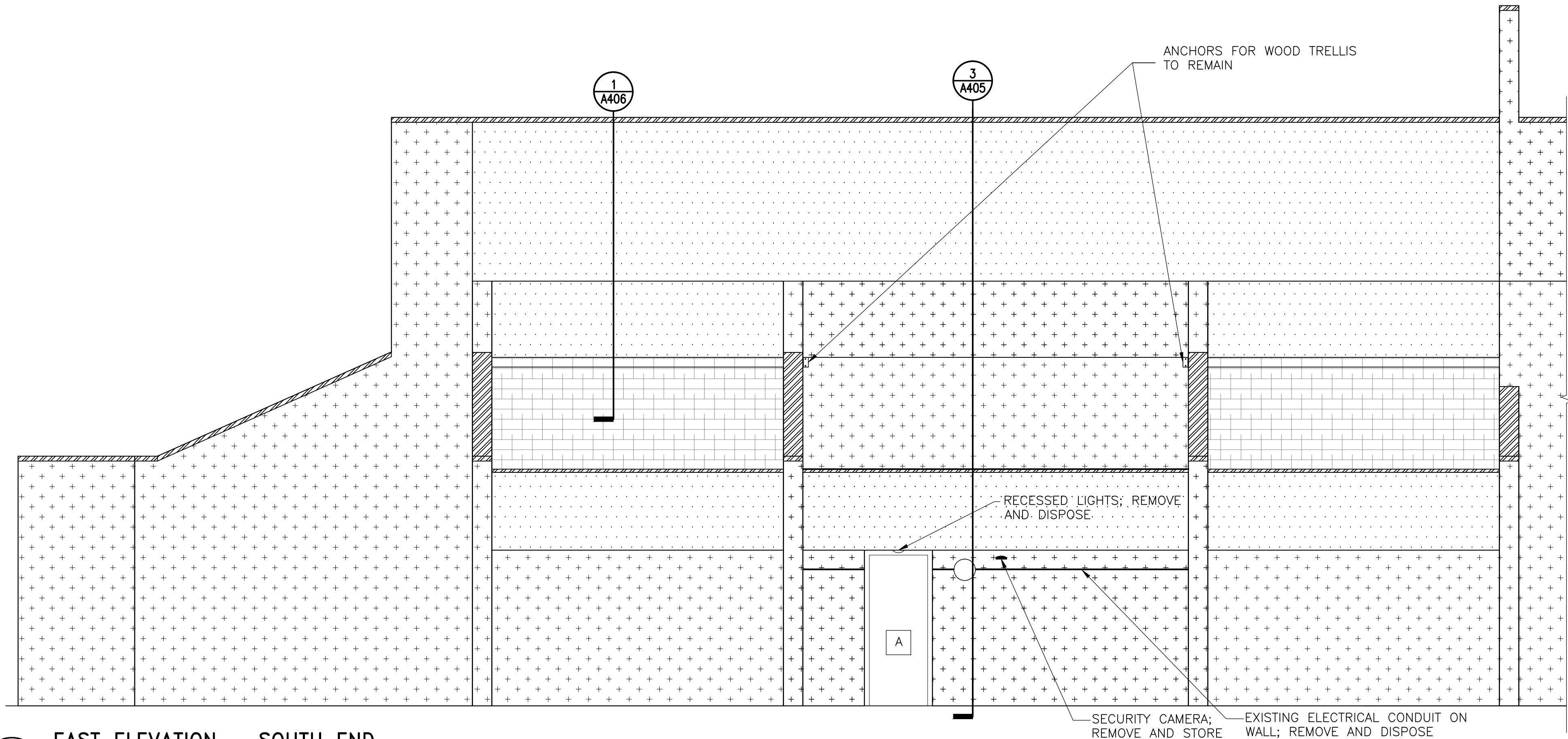
Project

**DEMOLITION  
ELEVATIONS**

Drawing Title

Project No. 150049.01	Checked PKF	Date 01/22/16
Drawn BSR/CEM	Approved DSS	Scale AS SHOWN
Drawing No. <b>AD201</b>		

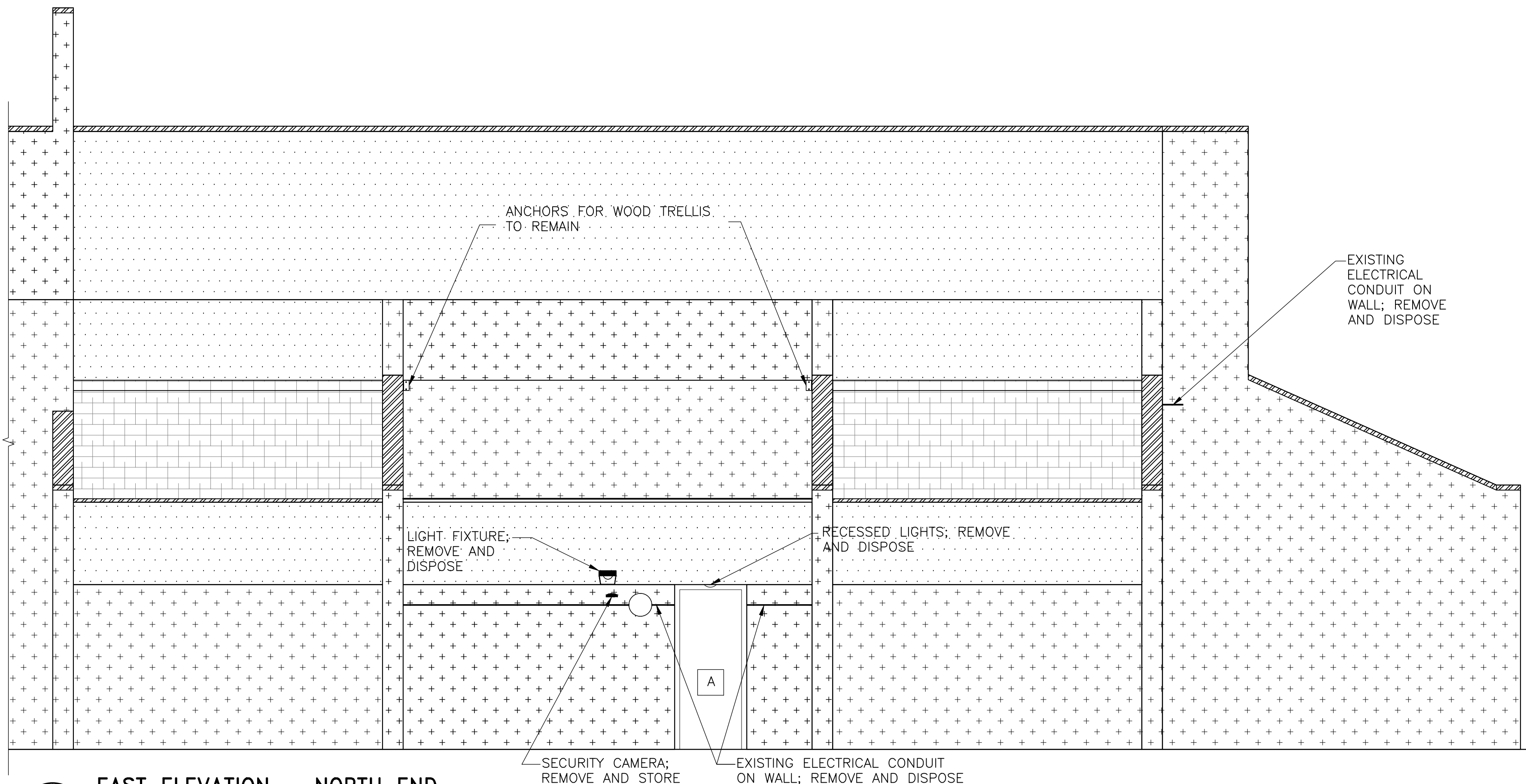
Professional Seal  
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.  
License No. 15484 Exp. Date 6/1/17  
Seal



EAST ELEVATION – SOUTH END

1

1/4" = 1'-0"



EAST ELEVATION – NORTH END

2

1/4" = 1'-0"

LEGEND	
DIRECT APPLIED STUCCO ON CMU BACKUP; TO REMAIN, REPAIR AS REQUIRED	LIGHT FIXTURE; REMOVE AND DISPOSE
EPS ASSEMBLY OVER SHEATHING AND CMF BACKUP; REMOVE AND DISPOSE CLADDING AND CMF	PANEL BOX; REMOVE AND DISPOSE
EPS ASSEMBLY OVER CMU BACKUP; REMOVE AND DISPOSE	METAL LOUVER
CLAY TILE ROOF; REMOVE AND DISPOSE DOWN TO EXISTING JOISTS AS SHOWN ON AD110	VENTS UNDER SIDE OF SOFFIT; REMOVE AND STORE
METAL GRAVEL STOP AND COPINGS; REMOVE AND DISPOSE	WALL-MOUNTED LIGHT FIXTURE; REMOVE AND STORE
	RECESSED LIGHT; REMOVE AND DISPOSE
	TRELLIS ANCHORS TO REMAIN; ANCHORS ARE ALSO ATTACHED TO BACKSIDE OF EPS CLAD BEAM (NOT SHOWN)
	NOTE: VERIFY ALL TYPES, NUMBER AND LOCATION OF MEP FIXTURES ON THE ELEVATIONS

NOTE: Electrical work shown on this drawing shall be approved by an electrical engineer licensed in the State of Maryland, and shall be performed by a qualified electrician licensed in the State of Maryland.

BID SET

No.	Date	Description	By
	01/22/16	Bid Set (County Response Set)	
	11/20/15	Pricing/Permit Set	
	08/28/15	100% Design Development	

**PHYSICAL EDUCATION BLDG  
EXTERIOR RENOVATION  
MONTGOMERY COLLEGE  
GERMANTOWN CAMPUS  
20200 OBSERVATION DRIVE  
GERMANTOWN, MD 20876**

Project

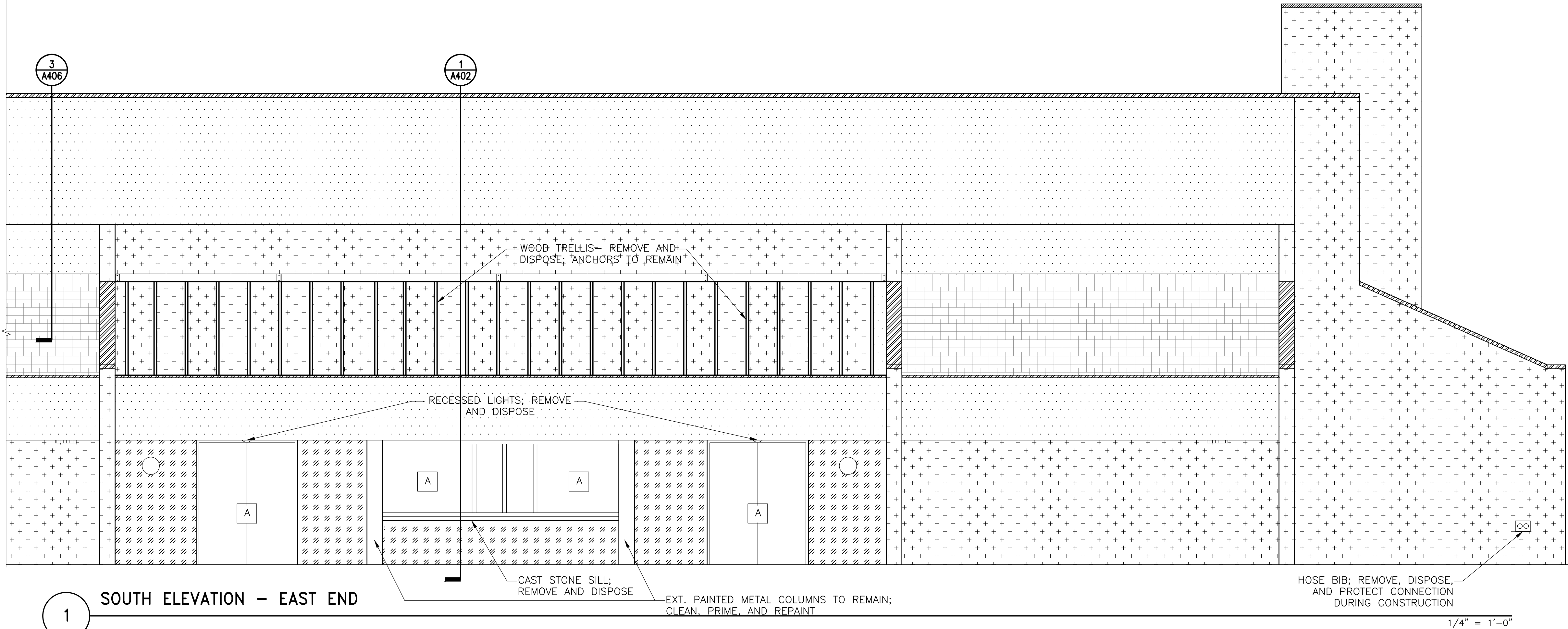
**DEMOLITION  
ELEVATIONS**

Drawing Title

Project No. 150049.01	Checked PKF	Date 01/22/16
Drawn BSR/CEM	Approved DSS	Scale AS SHOWN

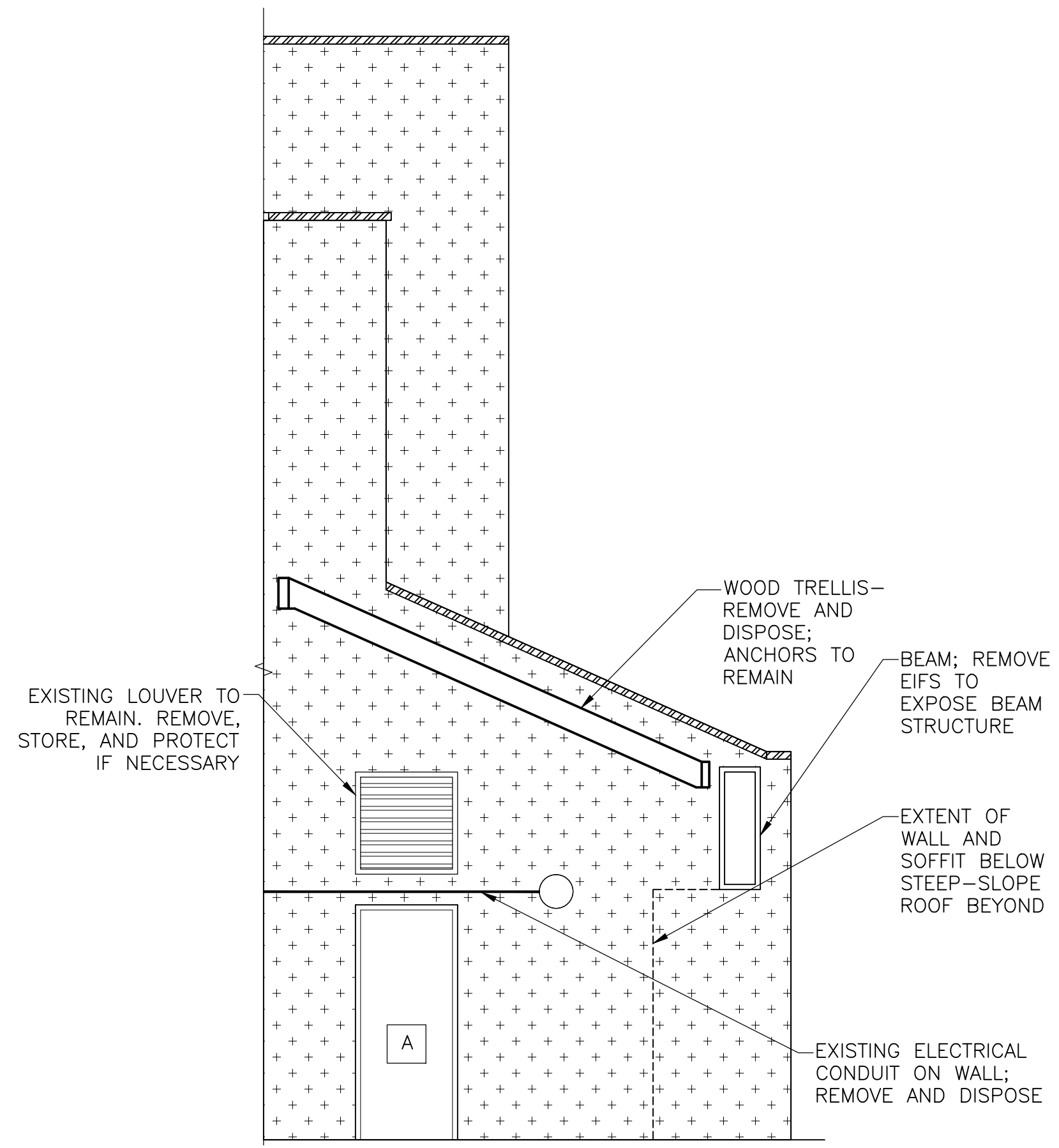
Professional Seal I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland. License No. 15484 Exp. Date 6/1/17		Drawing No. <b>AD203</b>
--	--	-----------------------------





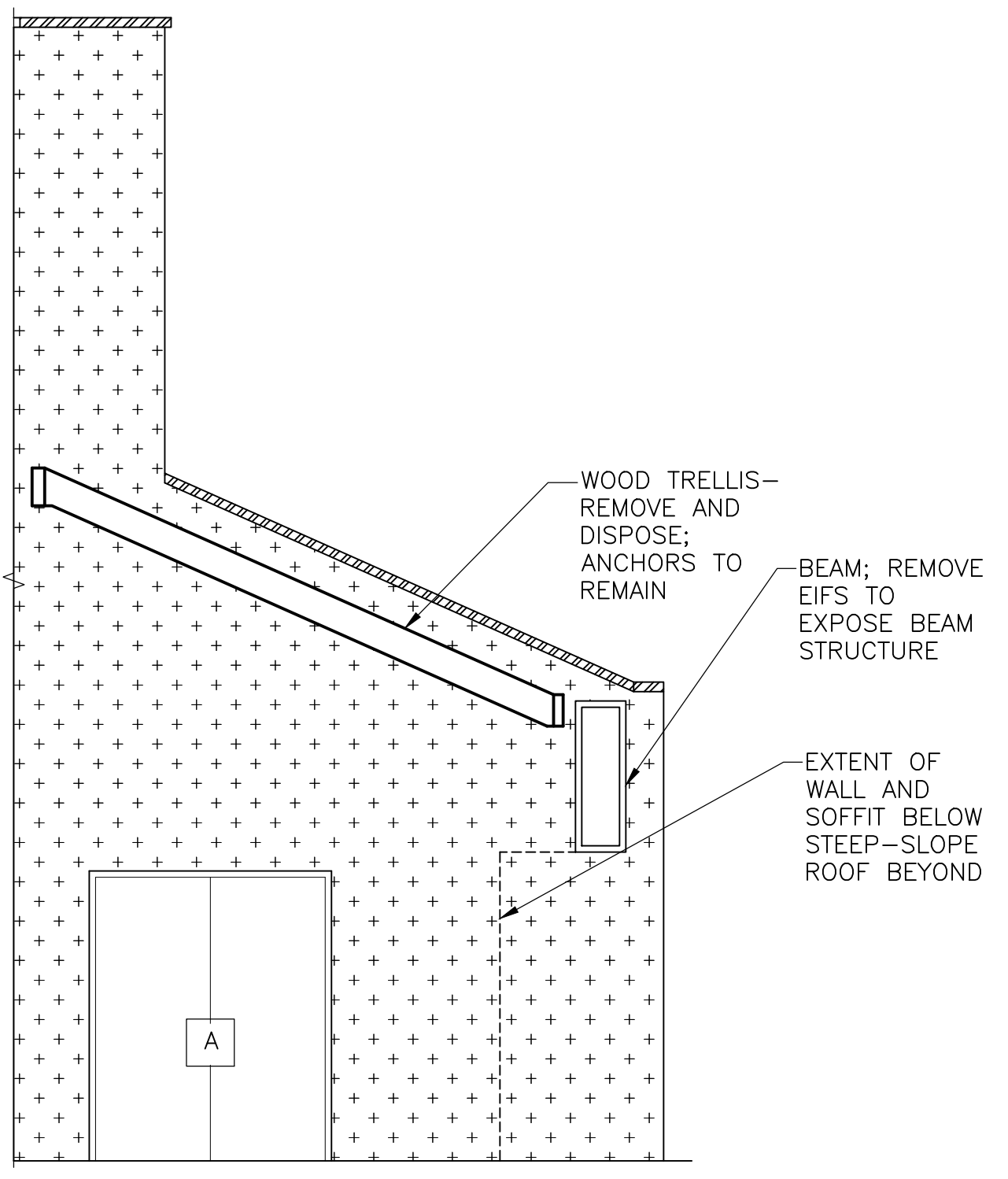
1 SOUTH ELEVATION - EAST END

1/4" = 1'-0"



2 PARTIAL ELEVATION AT EAST END OF GYMNASIUM

1/4" = 1'-0"



3 PARTIAL ELEVATION AT NORTH END OF GYMNASIUM

1/4" = 1'-0"

LEGEND			
DIRECT APPLIED STUCCO ON CMU BACKUP; TO REMAIN, REPAIR AS REQUIRED	EIFS ASSEMBLY OVER SHEATHING AND CMF BACKUP; REMOVE AND DISPOSE CLADDING AND CMF	EIFS ASSEMBLY OVER CMU BACKUP; REMOVE AND DISPOSE	CLAY TILE ROOF; REMOVE AND DISPOSE DOWN TO EXISTING JOISTS AS SHOWN ON AD110
METAL GRAVEL STOP AND COPINGS; REMOVE AND DISPOSE	DOOR/WINDOW; REMOVE AND DISPOSE	HOSE BIB; REMOVE AND DISPOSE	VENT ON UNDERSIDE OF SOFFIT; REMOVE AND STORE
LIGHT FIXTURE; REMOVE AND DISPOSE	PANEL BOX; REMOVE AND DISPOSE	WALL-MOUNTED LIGHT FIXTURE; REMOVE AND STORE	RECESSED LIGHT; REMOVE AND DISPOSE
TRELLIS ANCHORS TO REMAIN; ANCHORS ARE ALSO ATTACHED TO BACKSIDE OF EIFS CLAD BEAM (NOT SHOWN)	NOTE: VERIFY ALL TYPES, NUMBER AND LOCATION OF MEP FIXTURES ON THE ELEVATIONS		

NOTE: Electrical work shown on this drawing shall be approved by an electrical engineer licensed in the State of Maryland, and shall be performed by a qualified electrician licensed in the State of Maryland.

BID SET

No.	Date	Description	By
	01/22/16	Bid Set (County Response Set)	
	11/20/15	Pricing/Permit Set	
	08/28/15	100% Design Development	

**PHYSICAL EDUCATION BLDG  
EXTERIOR RENOVATION  
MONTGOMERY COLLEGE  
GERMANTOWN CAMPUS  
20200 OBSERVATION DRIVE  
GERMANTOWN, MD 20876**

Project

**DEMOLITION  
ELEVATIONS**

Drawing Title

Project No. 150049.01	Checked PKF	Date 01/22/16
Drawn BSR/CEM	Approved DSS	Scale AS SHOWN
Drawing No. <b>AD202</b>		

Professional Seal  
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.  
License No. 15484 Exp. Date 6/1/17  
Seal




NOTE: Electrical work shown on this drawing shall be approved by an electrical engineer licensed in the State of Maryland, and shall be performed by a qualified electrician licensed in the State of Maryland.

$$1/4'' = 1'-0'$$

**PHYSICAL EDUCATION BLDG  
EXTERIOR RENOVATION  
MONTGOMERY COLLEGE  
GERMANTOWN CAMPUS  
20200 OBSERVATION DRIVE  
GERMANTOWN, MD 20876**

Project No. 150409.01	Checked PKF	Date 01/22/16
Drawn BSR/CEM	Approved DSS	Scale AS SHOWN

Drawing No.



Professional Engineer

I hereby certify that these documents were  
prepared or approved by me, and that I am a duly  
licensed professional engineer under the laws of  
the State of Maryland.

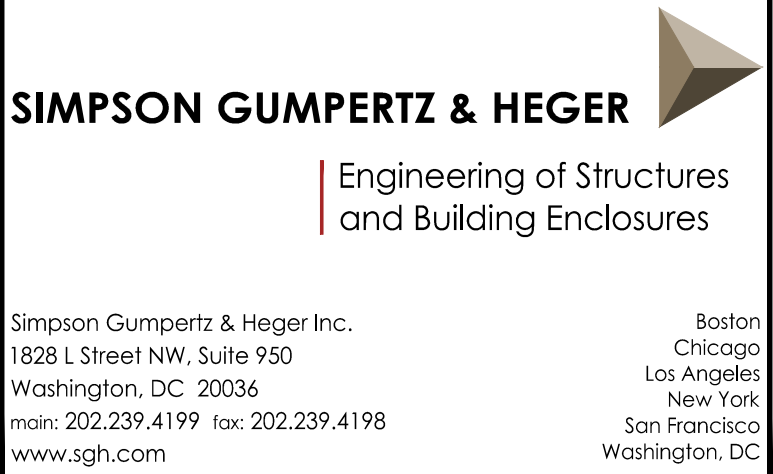
License No. 15468 Exp. Date 6/31/17

Seal

AD204


# AD204





Door Hardware Consultant	<b>Erschloe Consulting Services, Inc.</b> 7820 Carters Run Drive Marshall, VA 20115 540.351.0553
Security Consultant	<b>GHD, Inc.</b> 14585 Avion Parkway, Suite 150 Chantilly, VA 20151 571.325.5000
Cost Estimating Consultant	<b>Forella Group, LLC.</b> 9495 Silver King Ct., Suite A Fairfax, VA 22031 703.560.2200
Consultant	


BID SET

	01/22/16	Bid Set	County Response Set	
	11/20/15	Pricing/Permit Set		
	08/28/15	100% Design Development		
No.	Date	Description		By

**PHYSICAL EDUCATION BLDG  
EXTERIOR RENOVATION  
MONTGOMERY COLLEGE  
GERMANTOWN CAMPUS  
20200 OBSERVATION DRIVE  
GERMANTOWN, MD 20876**

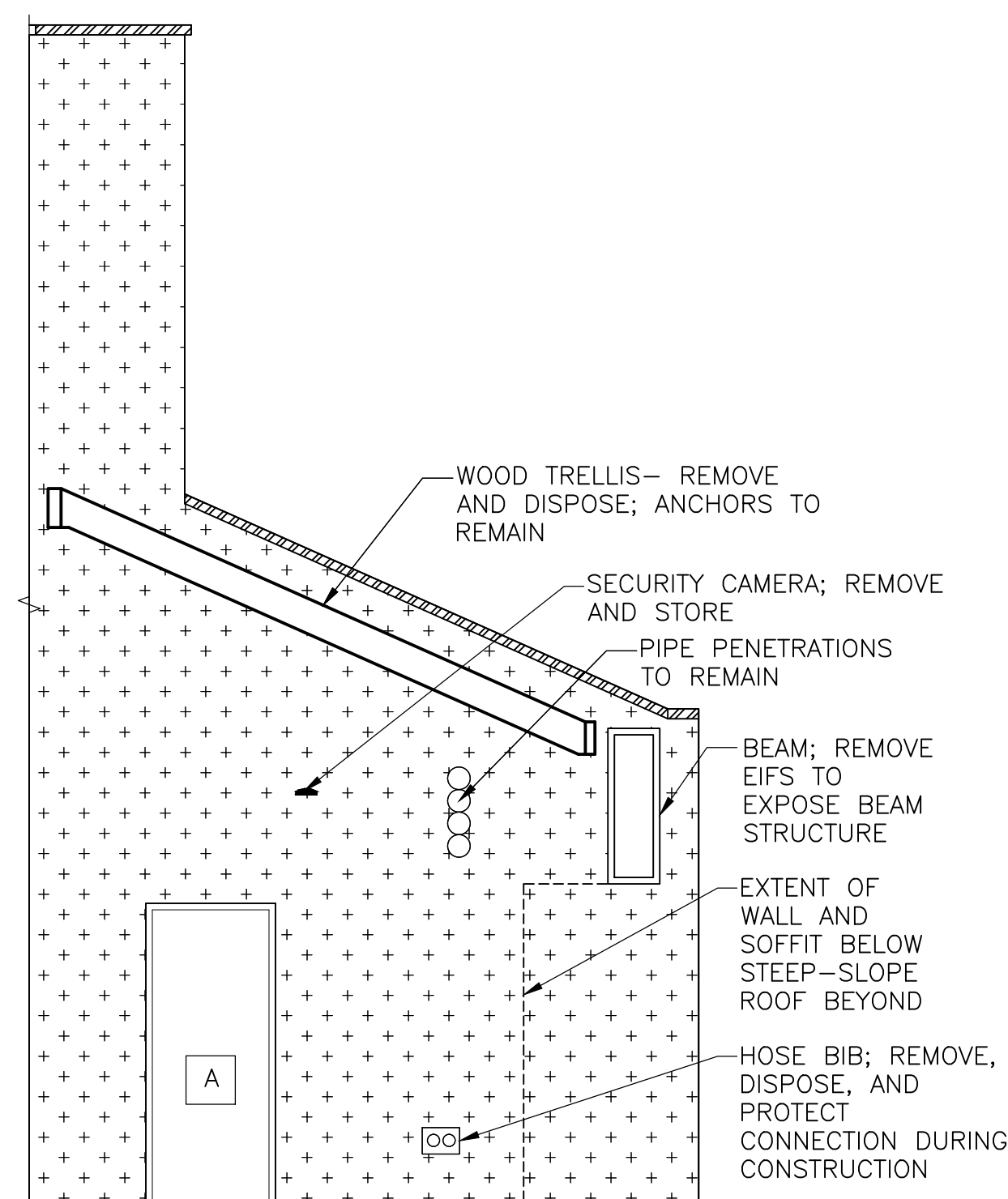
Project

## Drawing Title















Project No. 150049.01	Checked PKF	Date 01/22/16
Drawn BSR/CEM	Approved DSS	Scale AS SHOWN
		Drawing No.  <div style="font-size: 48pt; font-weight: bold;">AD205</div>

$$\overline{1/4'' = 1'-0''}$$

# AD205

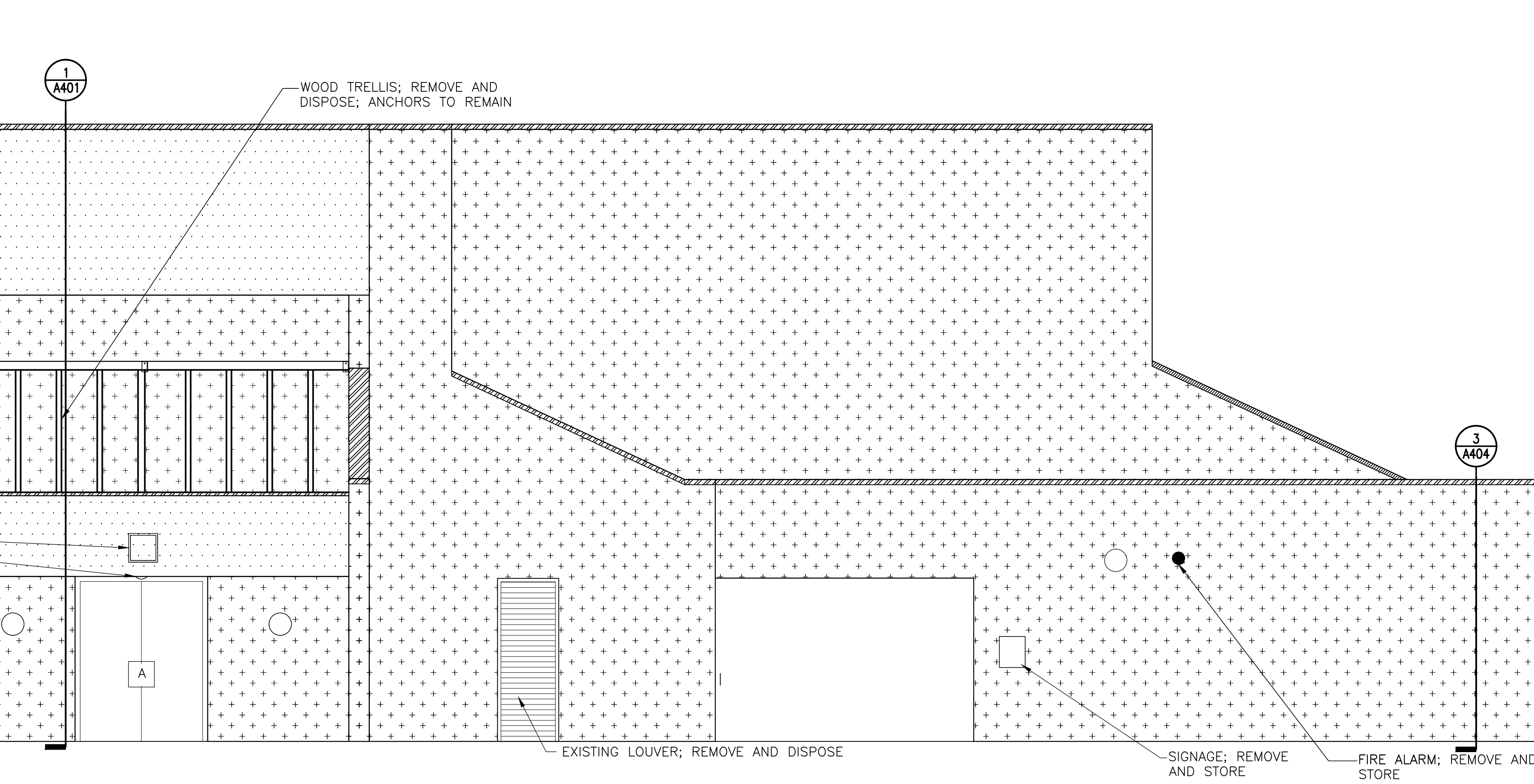


# LEGEND

	DIRECT APPLIED STUCCO ON CMU BACKUP; TO REMAIN, REPAIR AS REQUIRED		DOOR/WINDOW: REMOVE AND DISPOSE		LIGHT FIXTURE: REMOVE AND DISPOSE
	E&T ASSEMBLY OVER SCAFFOLDING AND CMU BACKUP; REMOVE AND DISPOSE CLADDING AND CMU		HOSE BIB: REMOVE AND DISPOSE		PANEL BOX: REMOVE AND DISPOSE
	E&T ASSEMBLY OVER CMU BACKUP: REMOVE AND DISPOSE		VENT ON UNDERSIDE OF SOFFIT: REMOVE AND STORE		METAL LOUVER
	CLAY TILE ROOF: REMOVE AND DISPOSE DOWN TO EXISTING JOISTS AS SHOWN ON A-1.0		WALL-MOUNTED LIGHT FIXTURE: REMOVE AND STORE		RECESSED LIGHT: REMOVE AND DISPOSE
	METAL GRAVEL STOP AND COPINGS: REMOVE AND DISPOSE		TRUSSES ALLOWED TO REMAIN; ARCHWAYS ARE ALSO ATTACHED TO BRACEDS OF E&T CLAD BEAM (NOT SHOWN)		

NOTE: VERIFY ALL TYPES, NUMBER AND LOCATION OF MEP FIXTURES ON THE ELEVATIONS

1 WEST ELEVATION – NORTH END

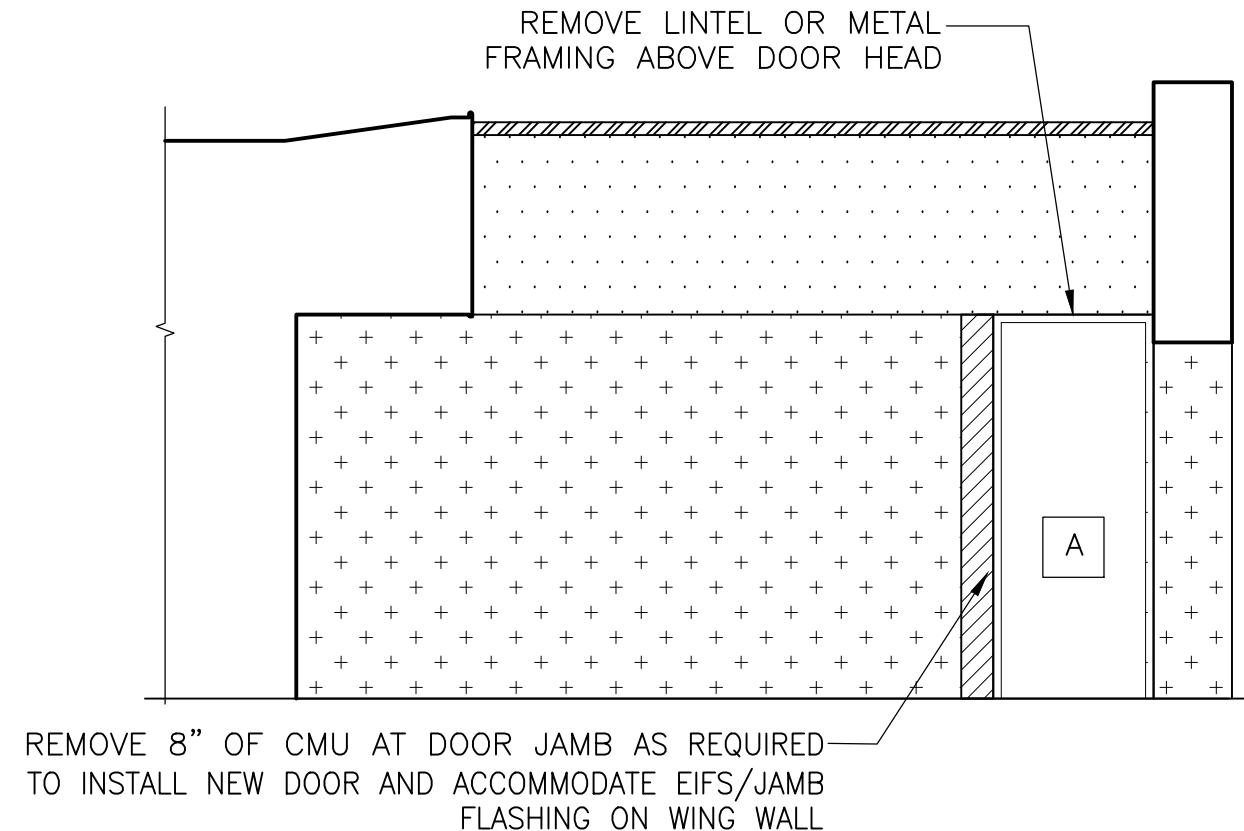


2 WEST ELEVATION – SOUTH END

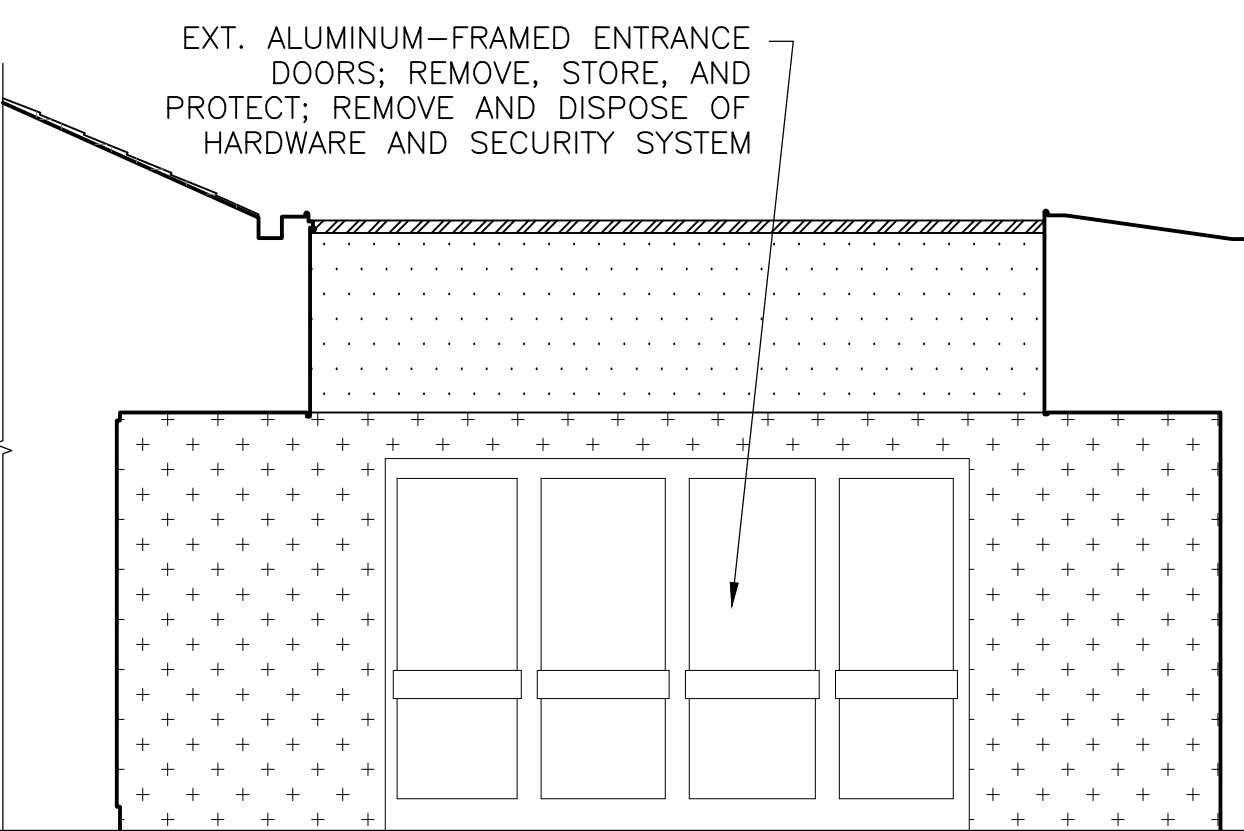


LEGEND	

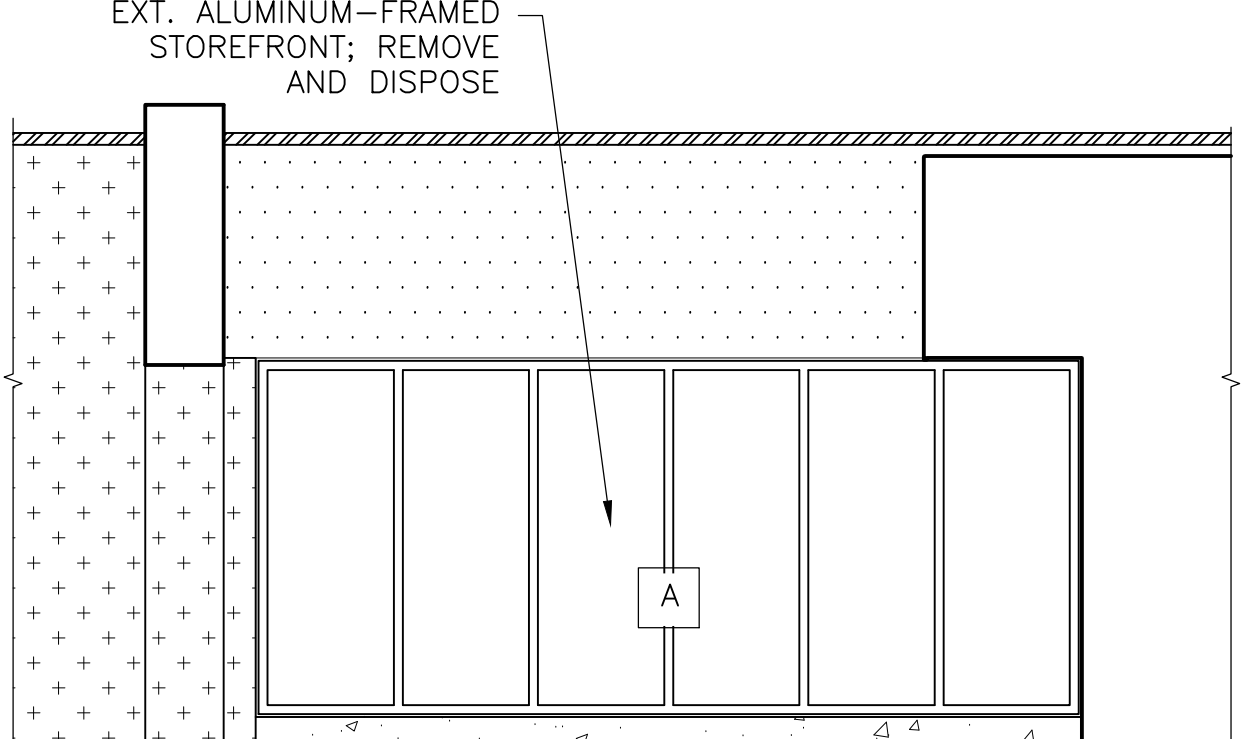
NOTE: VERIFY ALL TYPES, NUMBER, AND LOCATION OF MEP FIXTURES ON THE ELEVATIONS.



3 NORTH-FACING ENTRYWAY ELEVATION



4 WEST-FACING ENTRYWAY ELEVATION



5 SOUTH-FACING ENTRYWAY ELEVATION



NOTE: Electrical work shown on this drawing shall be approved by an electrical engineer licensed in the State of Maryland, and shall be performed by a qualified electrician licensed in the State of Maryland.

**SIMPSON GUMPERTZ & HEGER**  
Engineering of Structures and Building Enclosures

Simpson Gumpertz & Heger Inc.  
1828 L Street NW, Suite 950  
Washington, DC 20036  
main: 202.239.4199 fax: 202.239.4198  
www.sgh.com

Boston  
Chicago  
Los Angeles  
New York  
San Francisco  
Washington, DC

Door Hardware Consultant  
Security Consultant  
Cost Estimating Consultant  
Consultant

**Erbschloe Consulting Services, Inc.**  
7820 Carters Run Drive  
Marshall, VA 20115  
540.351.0553

**GHD, Inc.**  
14585 Avion Parkway, Suite 150  
Chantilly, VA 20151  
571.325.5000

**Forella Group, LLC.**  
9495 Silver King Ct., Suite A  
Fairfax, VA 22031  
703.560.2200

**PHYSICAL EDUCATION BLDG  
EXTERIOR RENOVATION  
MONTGOMERY COLLEGE  
GERMANTOWN CAMPUS  
20200 OBSERVATION DRIVE  
GERMANTOWN, MD 20876**

**DEMOLITION  
ELEVATIONS**

Drawing Title

Project No. 150049.01  
Drawn BSR/CEM  
Checked PKF  
Approved DSS  
Date 01/22/16  
Scale AS SHOWN

Professional Seal  
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.  
License No. 15484  
Exp. Date 6/1/17  
Seal

Drawing No. **AD206**