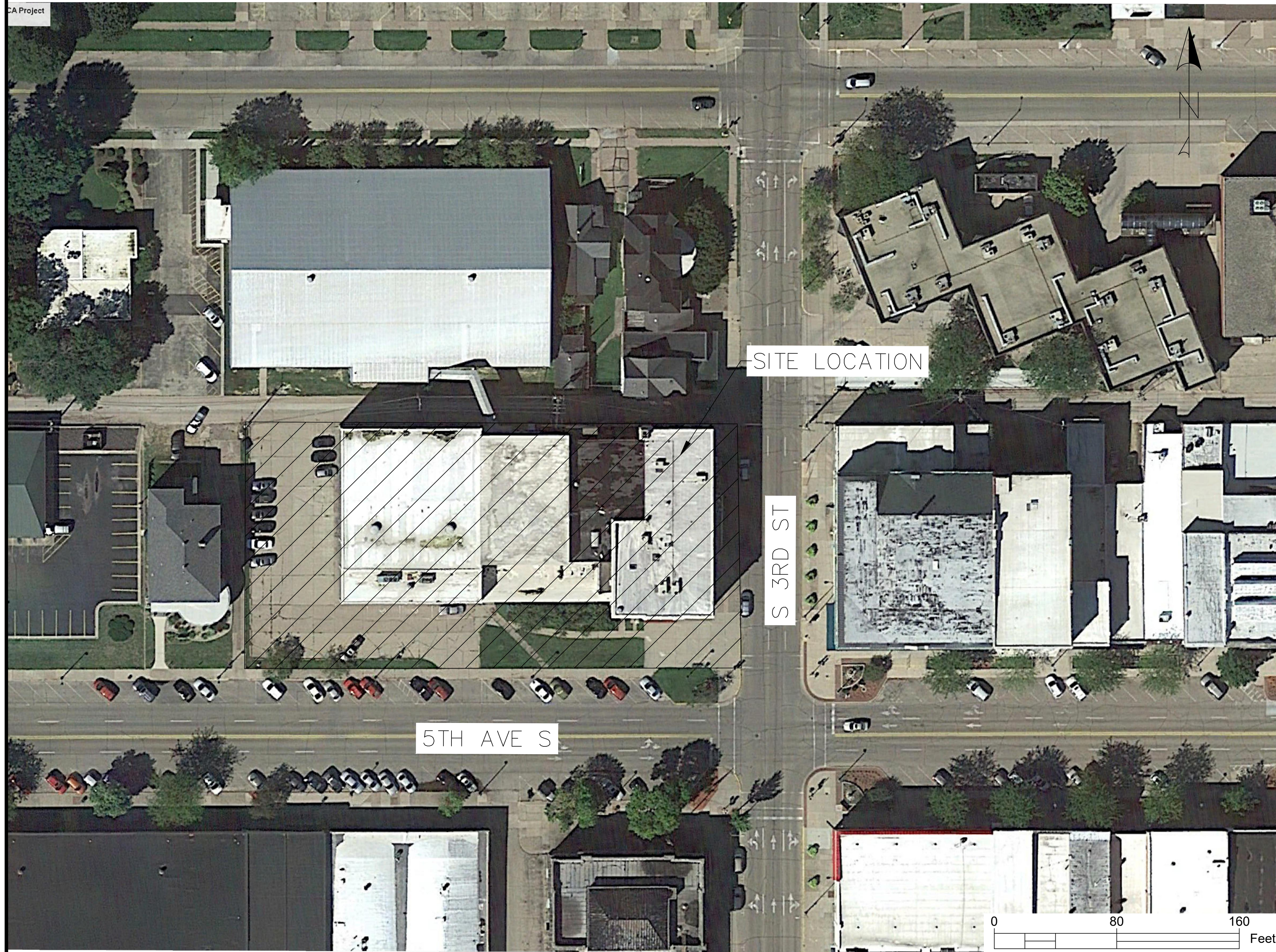




YMCA BUILDING RENOVATION AND NEW CONSTRUCTION CLINTON, IOWA



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PROJECT: CEE: 4850
 DATE: 04/08/2022
 DRAWN BY: TD Thornburgh
 REVISION:

THE UNIVERSITY OF IOWA
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**Clinton YMCA Renovation
and New Construction**
 274 5th Ave. S
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SHEET NAME
Cover Sheet

SHEET NO.
T-1

GENERAL NOTES:

1. CONTRACTOR SHALL PAY FOR ALL FEES AND PERMITS APPLICABLE TO THIS PROJECT REQUIRED BY THE CITY OF CLINTON
2. ALL WORK SHALL BE DONE IN COMPLIANCE WITH LOCAL BUILDING CODES AND STATE AND FEDERAL SAFETY REGULATIONS
3. CONTRACTOR SHALL AT ALL TIMES KEEP THE PROJECT SITE FREE FROM ACCUMULATION OF DEBRIS OR WASTE MATERIAL. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE FOR THE LOCATION OF WASTE DISPOSAL EQUIPMENT.
4. CONTRACTOR SHALL PROTECT AND PRESERVE EXISTING SIDEWALKS, CURBS, AND PAVEMENT ADJACENT TO PROJECT SITE THAT ARE NOT INDICATED TO BE REMOVED. AT COMPLETION OF PROJECT, CONTRACTOR SHALL REPLACE ANY SIDEWALK, CURB, OR PAVEMENT DAMAGED DURING THE CONSTRUCTION PROCESS CONFORMING TO REQUIREMENTS OF THE CITY OF CLINTON.
5. THE EXACT LOCATION OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION ACTIVITIES.
6. BOTH BUILDINGS ARE TO BE EQUIPPED THROUGHOUT WITH AUTOMATIC FIRE SUPPRESSION SYSTEM INSTALLED IN ACCORDANCE WITH NFPA 13.
7. FINAL SPRINKLER AND FIRE ALARM DRAWINGS ARE TO BE COMPLETED BY THE SELECTED CONTRACTOR AND SUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL.
8. ARCHITECT REVIEWED AND APPROVED SPRINKLER AND FIRE ALARM SHOP DRAWINGS TO BE PROVIDED TO THE CITY AS SOON AS THEY BECOME AVAILABLE.
9. CONTRACTOR SHALL VISIT THE SITE OF WORK AND VERIFY EXISTING CONDITIONS, MATERIALS, AND DIMENSIONS.
10. ALL INTERIOR PARTITION DIMENSIONS SHALL BE STUD TO STUD UNLESS NOTED OTHERWISE.
11. PARKING SPACE NUMBER EXCLUSION DUE TO HISTORIC DOWNTOWN DISTRICT (159.027 SP CLINTON CITY CODE).

CODES AND STANDARDS:

- APPLICABLE CODES AND STANDARDS
- 2018 INTERNATIONAL BUILDING CODE
 - 2018 INTERNATIONAL RESIDENTIAL CODE
 - 2018 INTERNATIONAL FIRE CODE
 - 2018 INTERNATIONAL MECHANICAL CODE
 - 2018 INTERNATIONAL EXISTING BUILDING CODE
 - 2018 INTERNATIONAL UNIFORM PLUMBING CODE
 - 2010 ADA STANDARDS

PROJECT NOTES:

THE WORK OF THIS PROJECT IS TO RENOVATE AND PRESERVE A ONE HUNDRED YEAR OLD HISTORICAL BUILDING (NOT ON PRESERVATION LIST AND RETURN IT TO A USABLE FUNCTION. THE POST 1905 SECTIONS OF THE BUILDING ARE TO BE DEMOLISHED. A NEW, SEPARATED BUILDING IS BEING CONSTRUCTED IN THAT SPACE.

NEW USES:
 EXISTING BUILDING: BASEMENT THROUGH THIRD FLOOR LUXURY APARTMENTS
 NEW BUILDING: RESTAURANT

ZONING REVIEW:

RENOVATED BUILDING: R-4 APARTMENT RESIDENTIAL DISTRICT
 NEW BUILDING: C-3 CENTRAL BUSINESS DISTRICT

PROJECT:	CEE: 4850
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Clinton YMCA Renovation and New Construction
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SHEET NAME
 GENERAL NOTES

SHEET NO.
T-2

Existing Building IBC Code Review

Code Requirements	Reference	Allowable or Required	
Occupancy Group(s)			
Basement	Chapter 3	R-2 (Apartments)	
First Floor	Chapter 3	R-2 (Apartments)	
Second Floor	Chapter 3	R-2 (Apartments)	
Third Floor	Chapter 3	R-2 (Apartments)	
Construction Type	Section 602	Type 3B	
Building Height and Area			
Height Allowed	Table 504.3	75'-0"	
Number of Stories Allowed	Table 504.4	5 Stories	
Allowable Area Factor	Table 506.2	48,000	
Actual Height: 48'-10"			
Actual Floor Areas:			
<p><u>Building Area:</u> Basement = 6117 SF First Floor = 6117 SF Second Floor = 6117 SF Third Floor = 6117 SF</p> <p><u>Building Volume:</u> Basement = 6117 SF x 11'-10" = 72,385 CF First Floor = 6117 SF x 14'-3" = 87,168 CF Second Floor = 6117 SF x 13'-4" = 81,560 CF Third Floor = 6117 SF x 10'-11" = 66,777 CF</p>			
Fire Resistance Rating Requirements for Building Elements (Hours)			
Structural Frame	Table 601	0	
Structural Components	704.2, 704.3	0	
Load Bearing Walls - Exterior	Table 601	2	
Load Bearing Walls - Interior	Table 601	0	
Non-Load Bearing Walls & Partitions Interior	Table 601, 708.1	0	
Floor Construction Including Supporting Beams & Joists	Table 601	0	
Floor & Roof Assemblies	420.2, 708.1	0.50	
Corridors at R Occupancy	Table 1020.1	0.50	
Stairs	713.40	1	
Elevator Shaft Enclosure	713.40	1	
Incidental Use Area: Mechanical Room	Table 509	1	
Max Area of Wall Openings at Exterior Walls	Table 705.8	No Limit	
Unprotected, Sprinkled			
Percent of Wall Allowed for Opening			
North Wall	>20'-0"	No Limit	
East Wall	>20'-0"	No Limit	
South Wall	>20'-0"	No Limit	
West Wall	>20'-0"	No Limit	
Occupant Load			
First Floor	6117 GSF	200 Gross SF/Occupant	30
Second Floor	6117 GSF	200 Gross SF/Occupant	30
Third Floor	6117 GSF	200 Gross SF/Occupant	30
Basement	6117 GSF	200 Gross SF/Occupant	30
Total Occupant Load:			120
Means of Egress			
Number of Exits	1006.3.1	2 Minimum per Story	
Stairway Width	1005.3.1, 1009.4	44" Min	
Common Path of Travel	1006.3.2(2)	75' Max	
Travel Distance Limit	1017.20	250' Max	
Corridor Width	1020.2, 1005.3.1	44" Min	
Dead End Corridor	1020.40	50'-0" Max	

Proposed Building IBC Code Review

Code Requirements	Reference	Allowable or Required	
Occupancy Group	Chapter 3	A-2 (Restaurant)	
Construction Type	Section 602	Type 3B	
Building Height and Area			
Height Allowed	Table 504.3	75'-0"	
Number of Stories Allowed	Table 504.4	3 Stories	
Allowable Area Factor	Table 506.2	38,000	
Actual Height: 18'-0"			
Actual Floor Areas:			
<p><u>Building Area:</u> Basement = 1770 SF First Floor = 5685 SF</p> <p><u>Building Volume:</u> Basement = 1770 SF x 12'-0" = 21,240 CF First Floor = 5685 SF x 18'-0" = 102,330 CF</p>			
Fire Resistance Rating Requirements for Building Elements (Hours)			
Structural Frame	Table 601	0	
Structural Components	704.2, 704.3	0	
Load Bearing Walls - Exterior	Table 601	2	
Load Bearing Walls - Interior	Table 601	0	
Non-Load Bearing Walls & Partitions Interior	Table 601, 708.1	0	
Floor Construction Including Supporting Beams & Joists	Table 601	0	
Floor & Roof Assemblies	420.2, 708.1	0.50	
Stairs	713.40	1	
Incidental Use Area: Refrigerant Machinery room	Table 509	1	
Max Area of Wall Openings at Exterior Walls	Table 705.8	No Limit	
Unprotected, Sprinkled			
Separation Distance			
North Wall	>20'-0"	No Limit	
East Wall	>20'-0"	No Limit	
South Wall	>20'-0"	No Limit	
West Wall	>20'-0"	No Limit	
Occupant Load			
Basement	1770 GSF	300 Gross SF/Occupant	6
First Floor	5685 GSF	15 Gross SF/Occupant	379
Total Occupant Load:			385
Means of Egress			
Number of Exits	1006.3.1	2 Minimum per Story	
Stairway Width	1005.3.1, 1009.4	44" Min	
Common Path of Travel	1006.3.2(2)	75' Max	
Travel Distance Limit	1017.20	250' Max	

AMERICANS WITH DISABILITIES ACT, 2010 STANDARDS

Code Requirements	Reference	Allowable or Required
Number Of Apartments Required To Have Mobility Features	233.3.4.1	Less Than 15 Units Being Altered In Existing Building Requires No Mobility Units
Number Of Apartments Required To Have Communication Hearing Features	233.3.4.1 809.5	0 Units, As Long As One Unit Is Wired And Can Be Adaptable In The Future
Alterations To Existing Buildings (Applicable At Existing Staircase)	202.3	Accessible Route Not Required Where Circulation Path Is Not Altered
Accessible Routes Within All Dining Areas	206.2.5	An Accessible Route Shall Be Provided In All Dining Areas Including Outdoor Dining Areas
Sidewalk Max. Cross Slope	302	1:48
Sidewalk Max. Running Slope	302	1:20
Ramp Max. Running Slope	405	1:12
Ramp Max. Cross Slope	405	1:48
Min. Sidewalk And Ramp Width	405	Normal: 36" At Turn: 42"
Minimum Door Clear Width	404	2'-8"
Required Van Accessible ADA Spaces	208	One Space
Required ADA Parking Spaces	208.2	3

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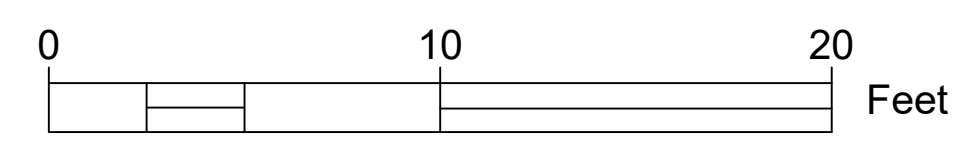
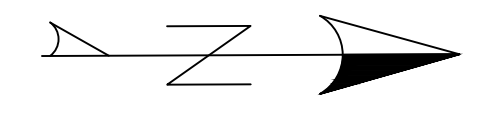
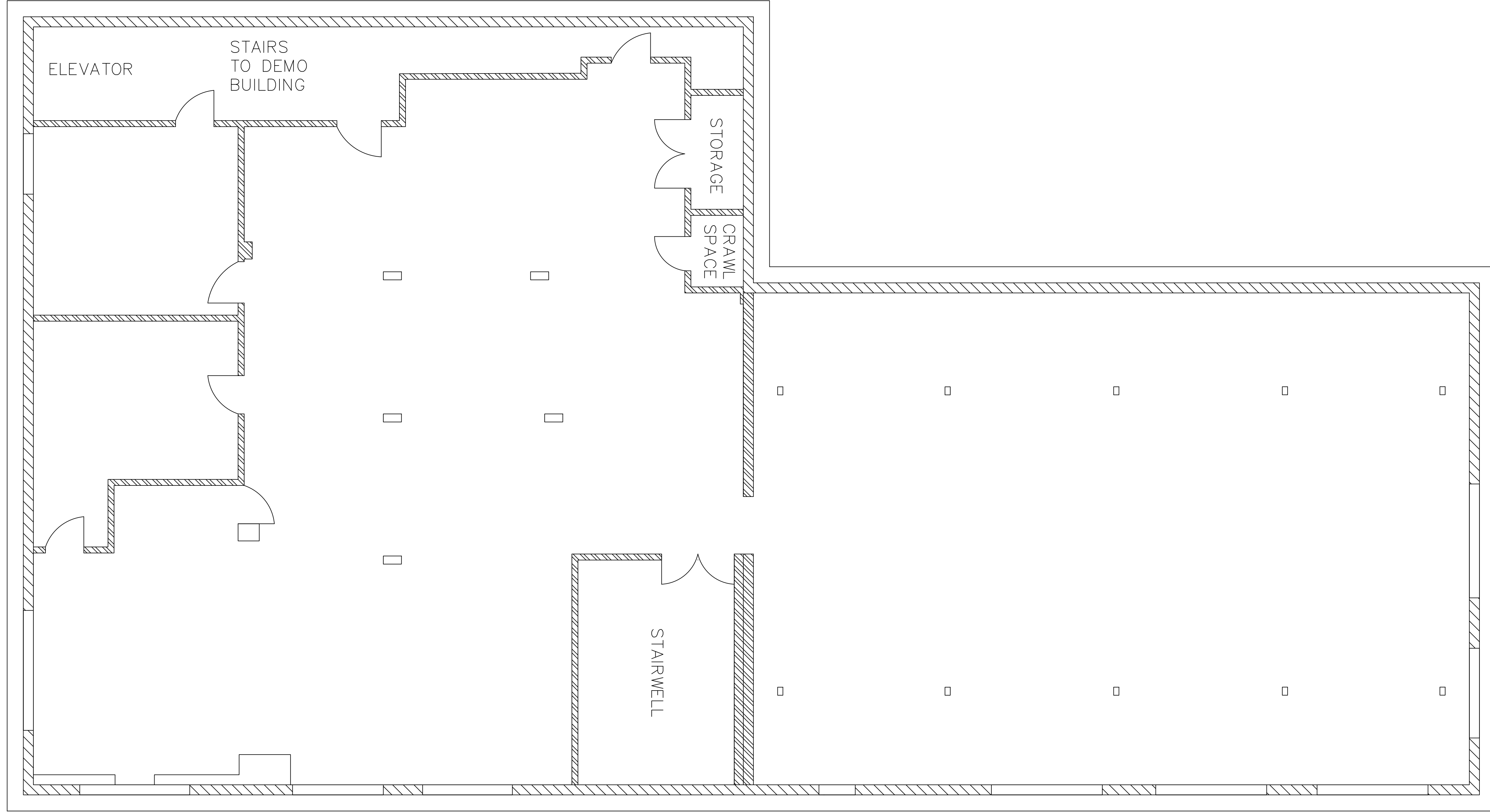


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Clinton YMCA Renovation and New Construction
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SHEET NAME
 Code Review

SHEET NO.
T-3



PROJECT:	CEE: 4850
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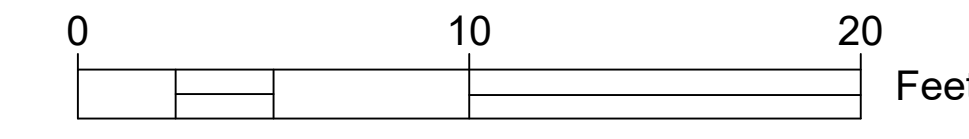
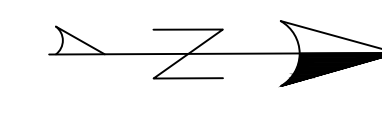
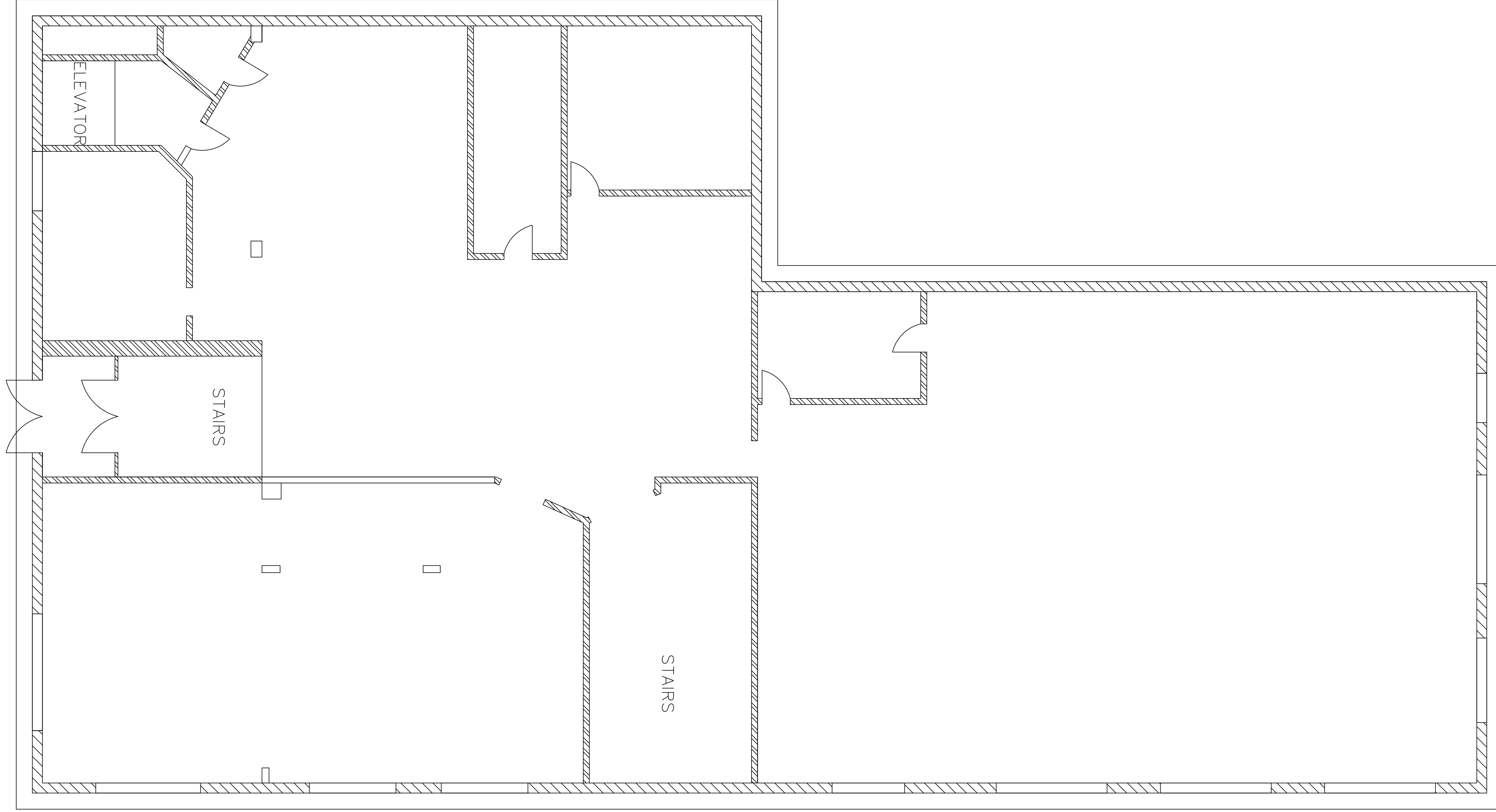


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**Clinton YMCA Renovation
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 274 5th Ave. S
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SHEET NAME
 Building A Existing
 Basement

SHEET NO.
AE-1



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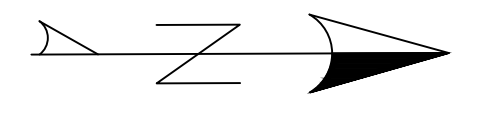
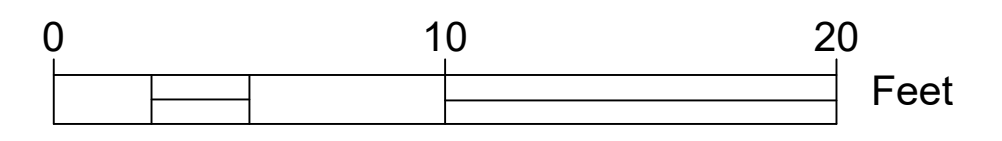
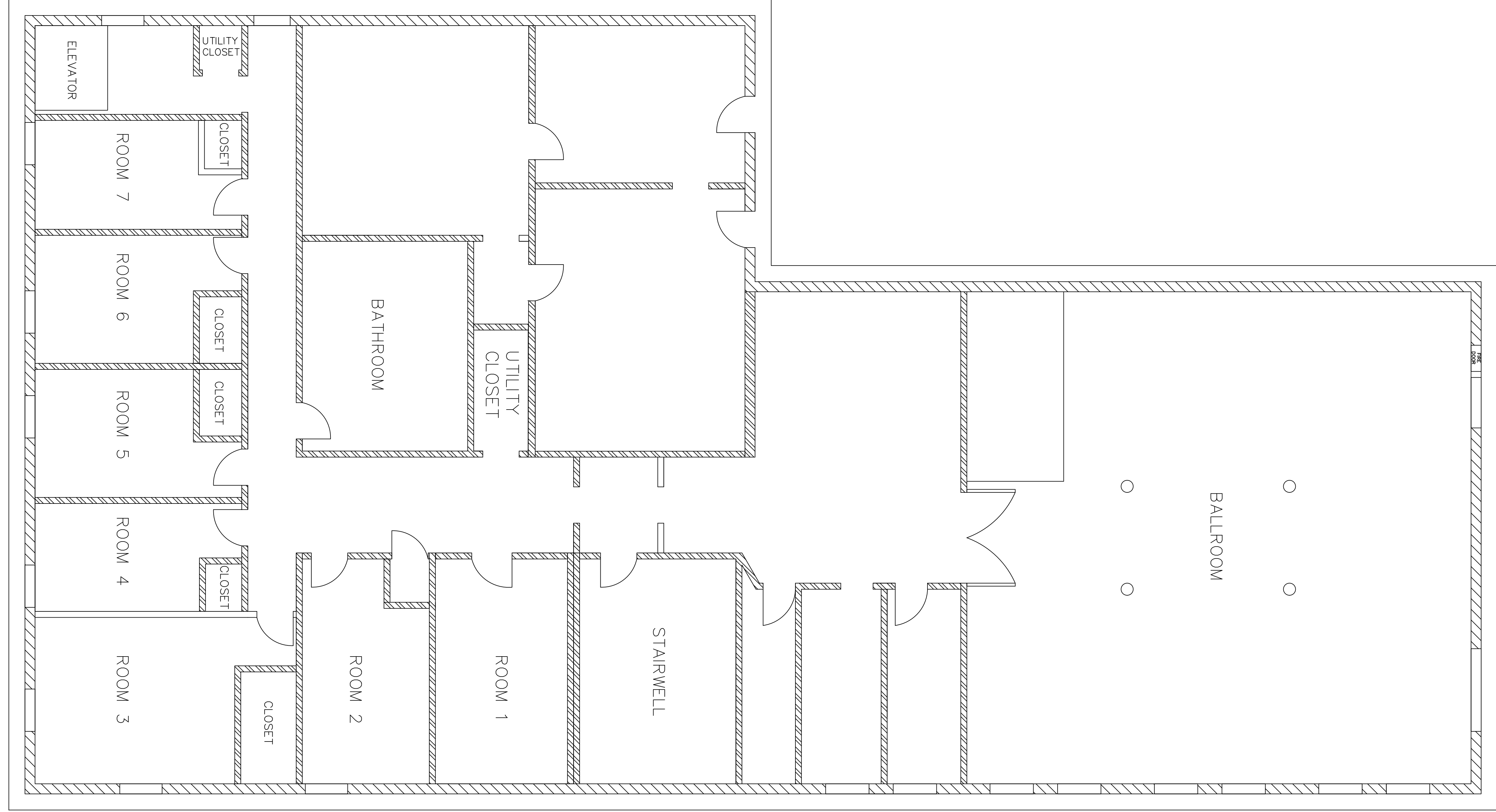


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**Clinton YMCA Renovation
 and New Construction**
 274 5th Ave. S
 Clinton, IA

SHEET NAME
 Building A Existing
 First Floor

SHEET NO.
AE-2



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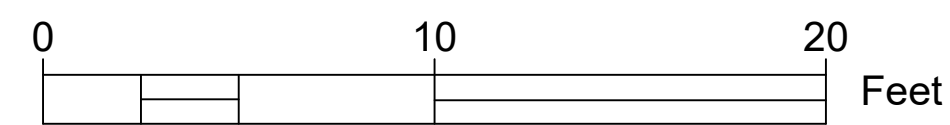
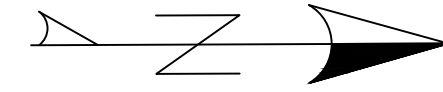


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 274 5th Ave. S
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SHEET NAME
 Building A Existing
 Second Floor

SHEET NO.
AE-3



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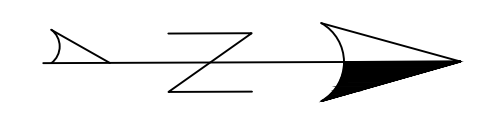
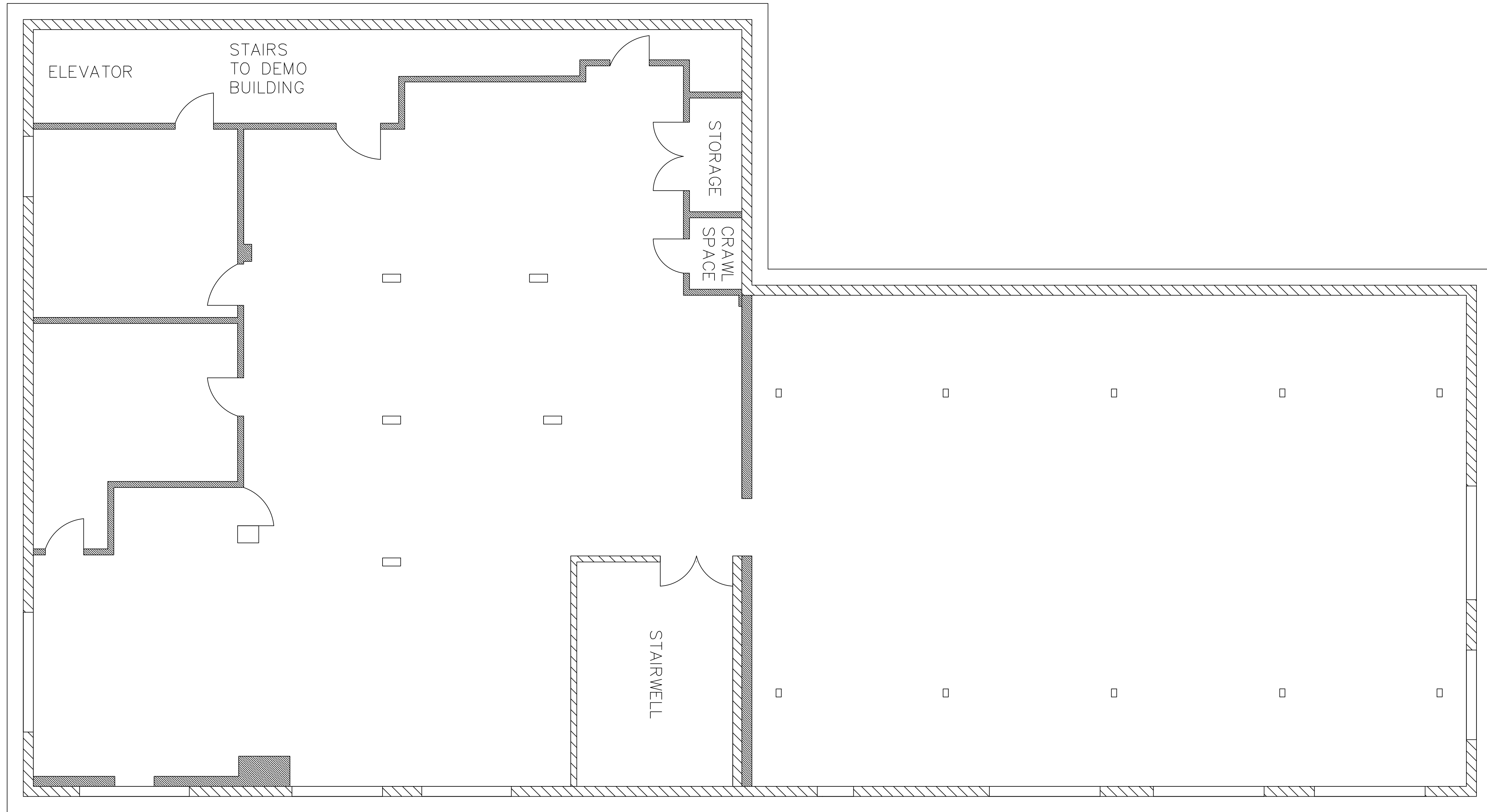


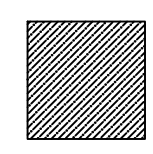
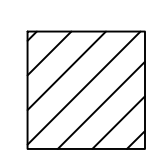
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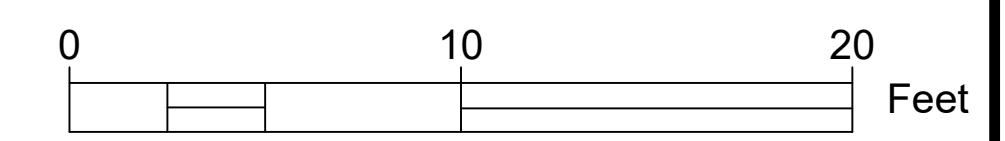
Clinton YMCA Renovation and New Construction
 274 5th Ave. S
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SHEET NAME
 Building A Existing Third Floor

SHEET NO.
AE-4



-  PARTITION WALLS TO BE DEMOLISHED
-  STRUCTURAL WALLS TO REMAIN



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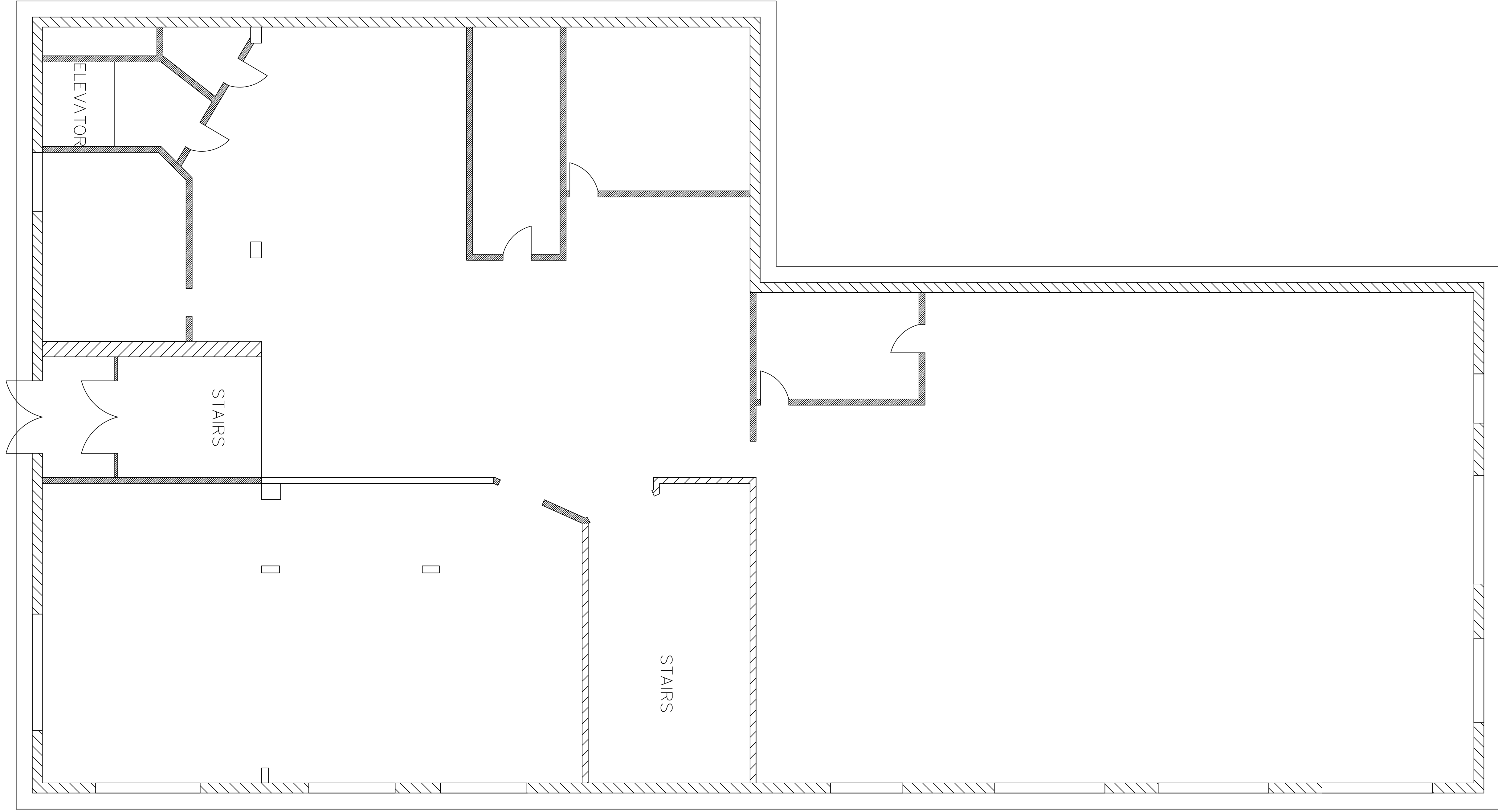


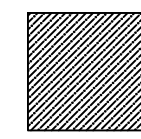
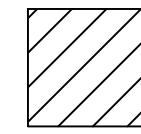
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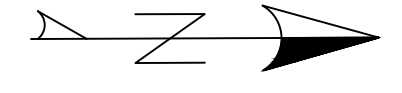
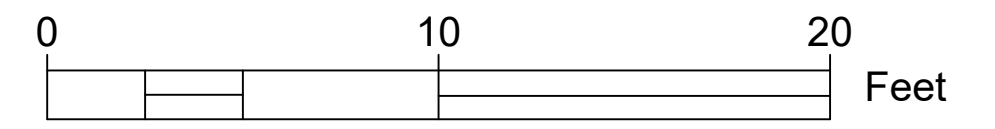
Clinton YMCA Renovation and New Construction
 274 5th Ave. S
 Clinton, IA

SHEET NAME
 Building A Demo Basement

SHEET NO.
AD-1



-  PARTITION WALLS TO BE DEMOLISHED
-  STRUCTURAL WALLS TO REMAIN



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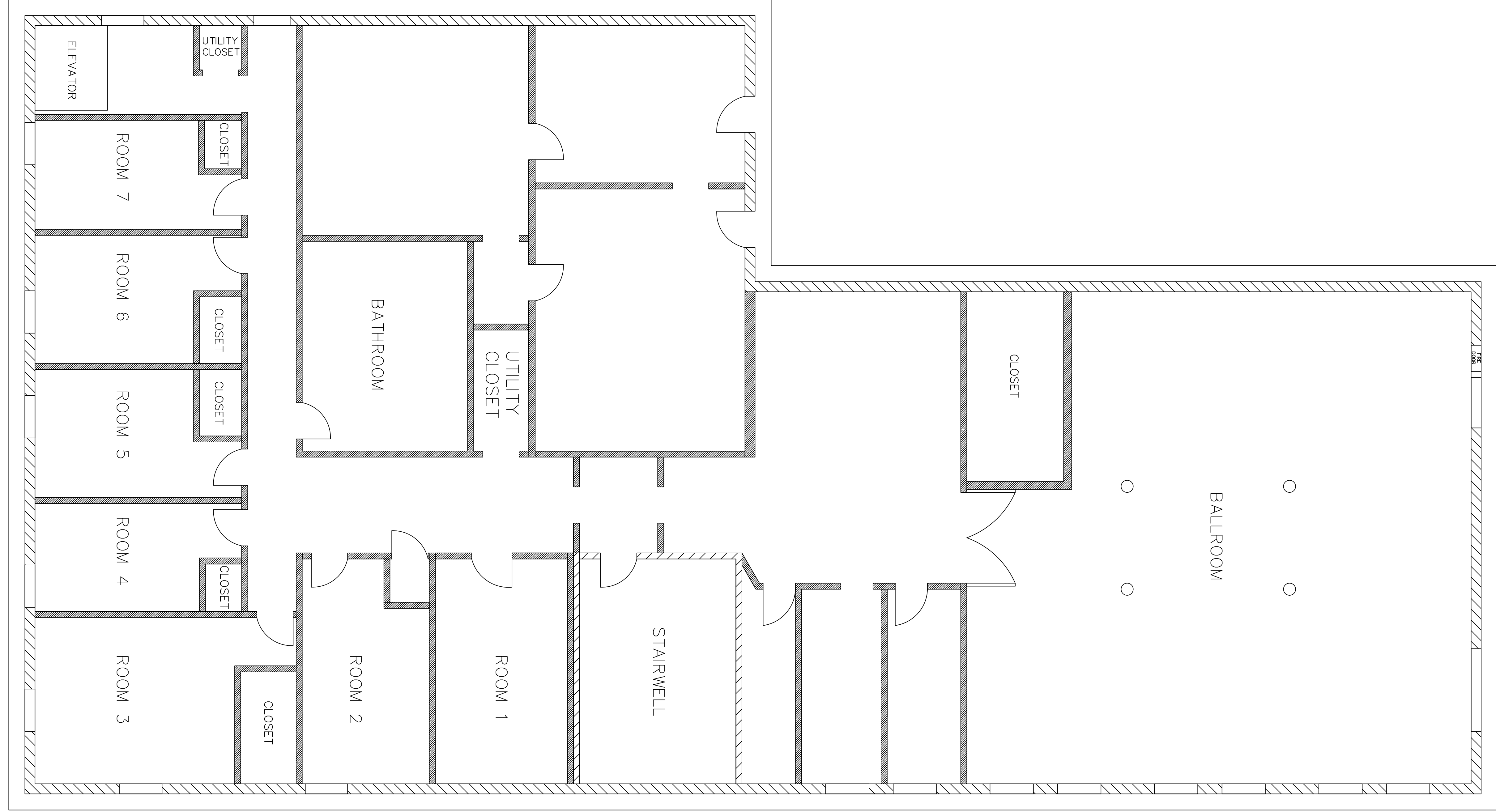


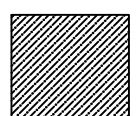
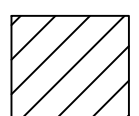
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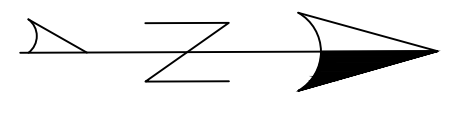
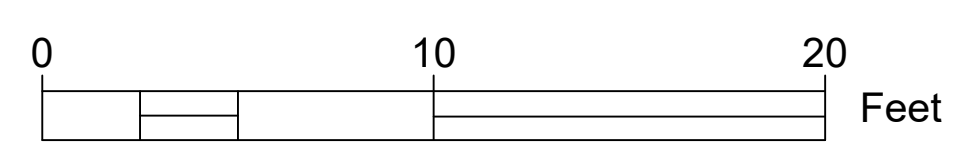
**Clinton YMCA Renovation
 and New Construction**
 274 5th Ave. S
 Clinton, IA

SHEET NAME
 Building A Demo
 First Floor

SHEET NO.
AD-2



 PARTITION WALLS TO BE DEMOLISHED
 STRUCTURAL WALLS TO REMAIN



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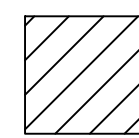
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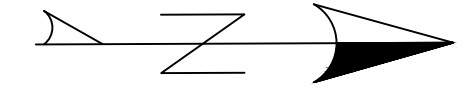
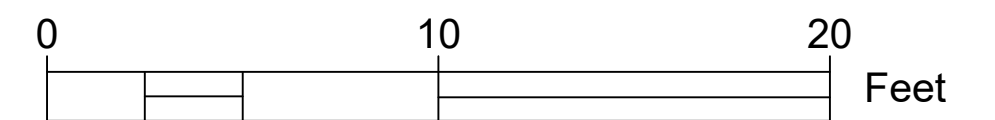
**Clinton YMCA Renovation
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SHEET NAME
 Building A Demo
 Second Floor

SHEET NO.
AD-3



 PARTITION WALLS TO BE DEMOLISHED
 STRUCTURAL WALLS TO REMAIN



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 IOWA CITY, IOWA 52242
 PHONE: 319.335.5647
 FAX: 319.335.5660
 EMAIL: civil-hawks@iowab.edu

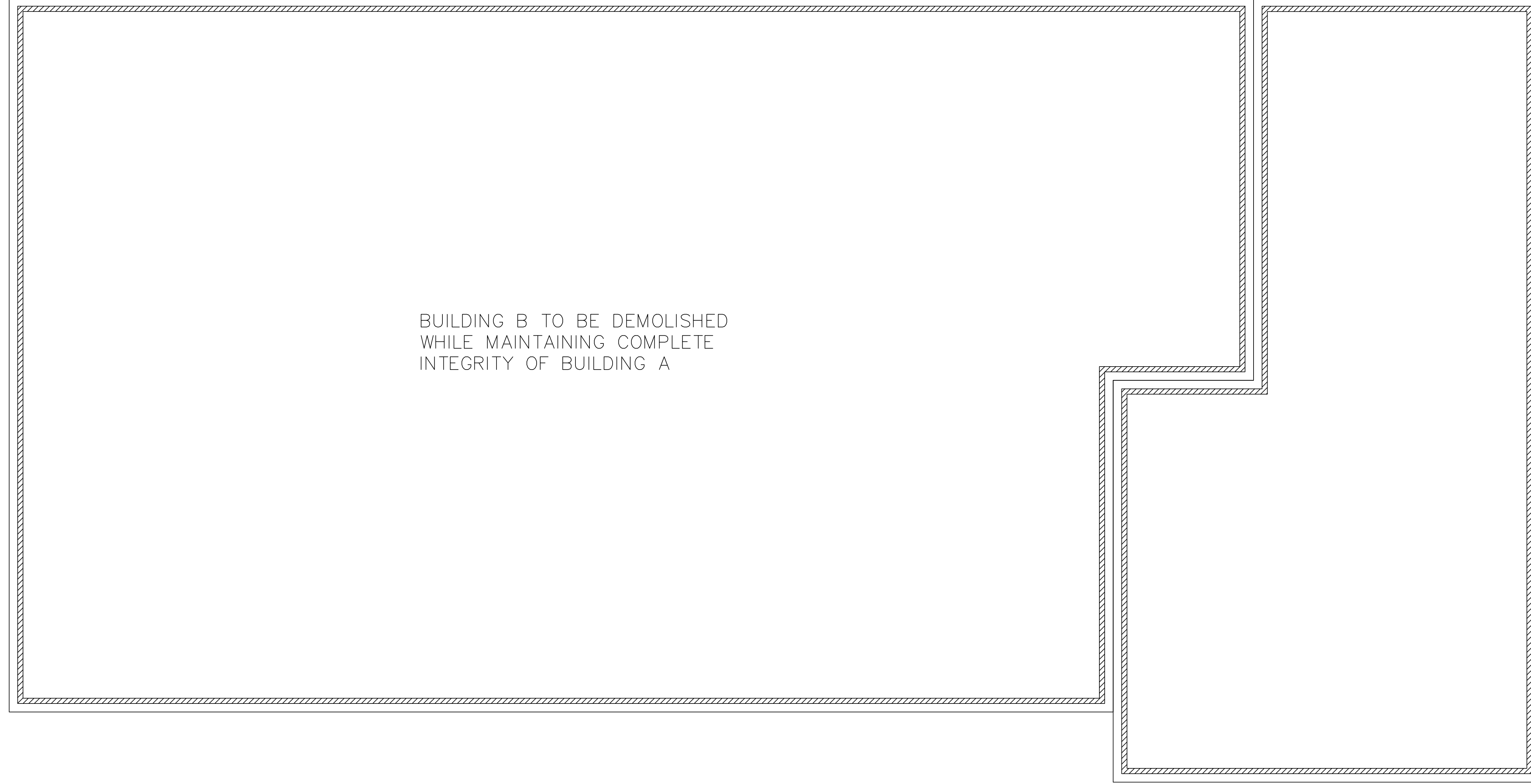


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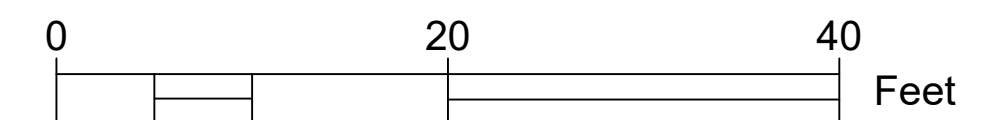
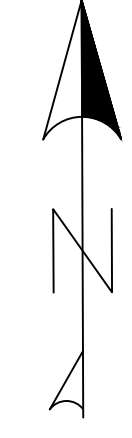
**Clinton YMCA Renovation
 and New Construction**
 274 5th Ave. S
 Clinton, IA

SHEET NAME
 Building A Demo
 Third Floor

SHEET NO.
AD-4



BUILDING B TO BE DEMOLISHED
WHILE MAINTAINING COMPLETE
INTEGRITY OF BUILDING A



PROJECT:	CEE: 4850
DATE :	04/08/2022
DRAWN BY:	TD Thornburgh
REVISION:	

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
 4105 SEAMANS CENTER FOR THE
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 103 S CAPITOL ST
 IOWA CITY, IOWA 52242
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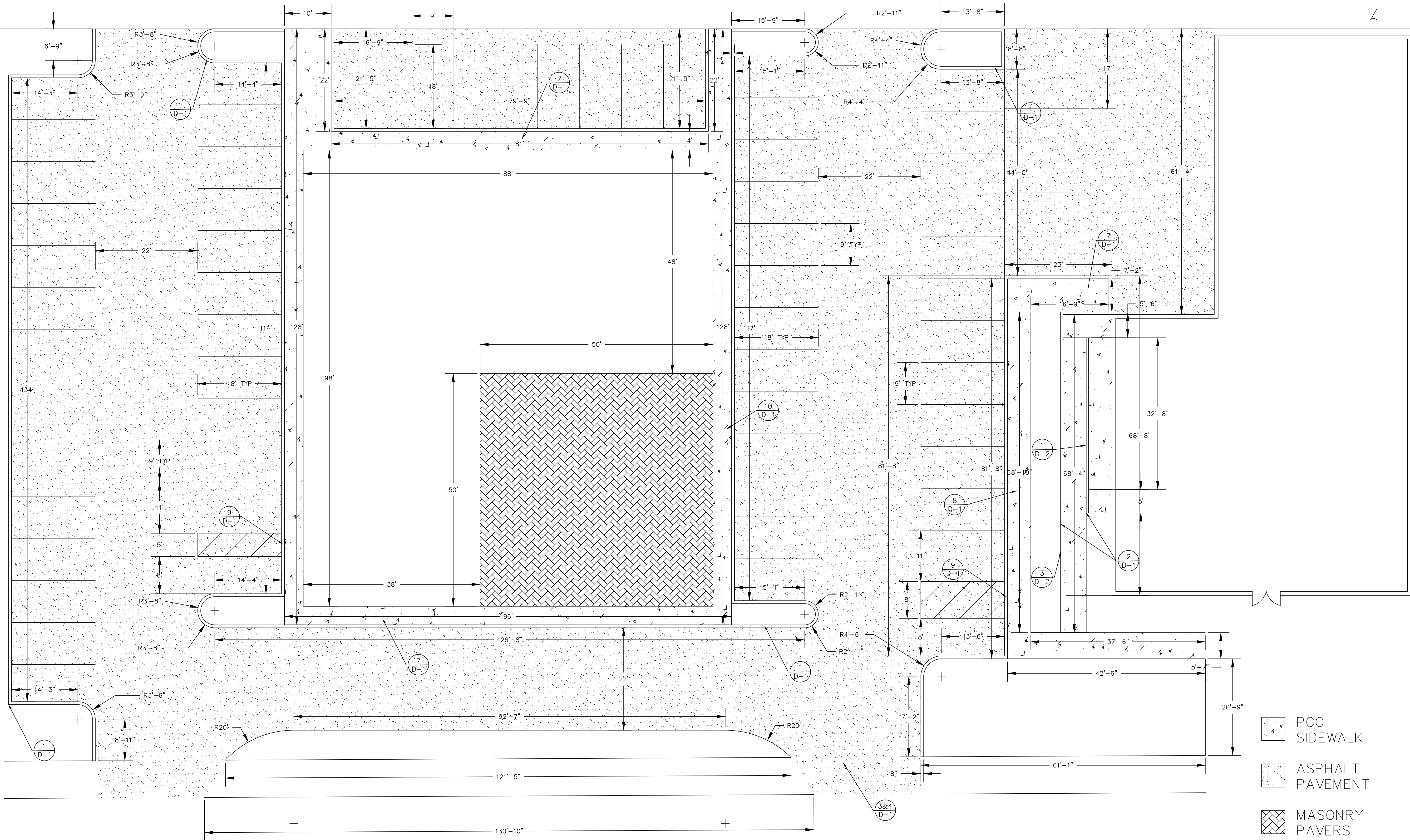


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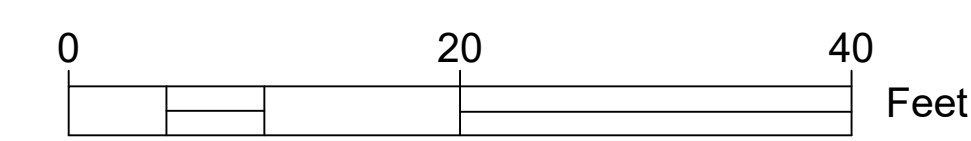
**Clinton YMCA Renovation
and New Construction**
 274 5th Ave. S
 Clinton, IA

SHEET NAME
Building B Demo

SHEET NO.
AD-5



-  PCC
SIDEWALK
-  ASPHALT
PAVEMENT
-  MASONRY
PAVERS



PROJECT: CEE: 4850
 DATE: 04/08/2022
 DRAWN BY: TD Thornburgh
 REVISION:

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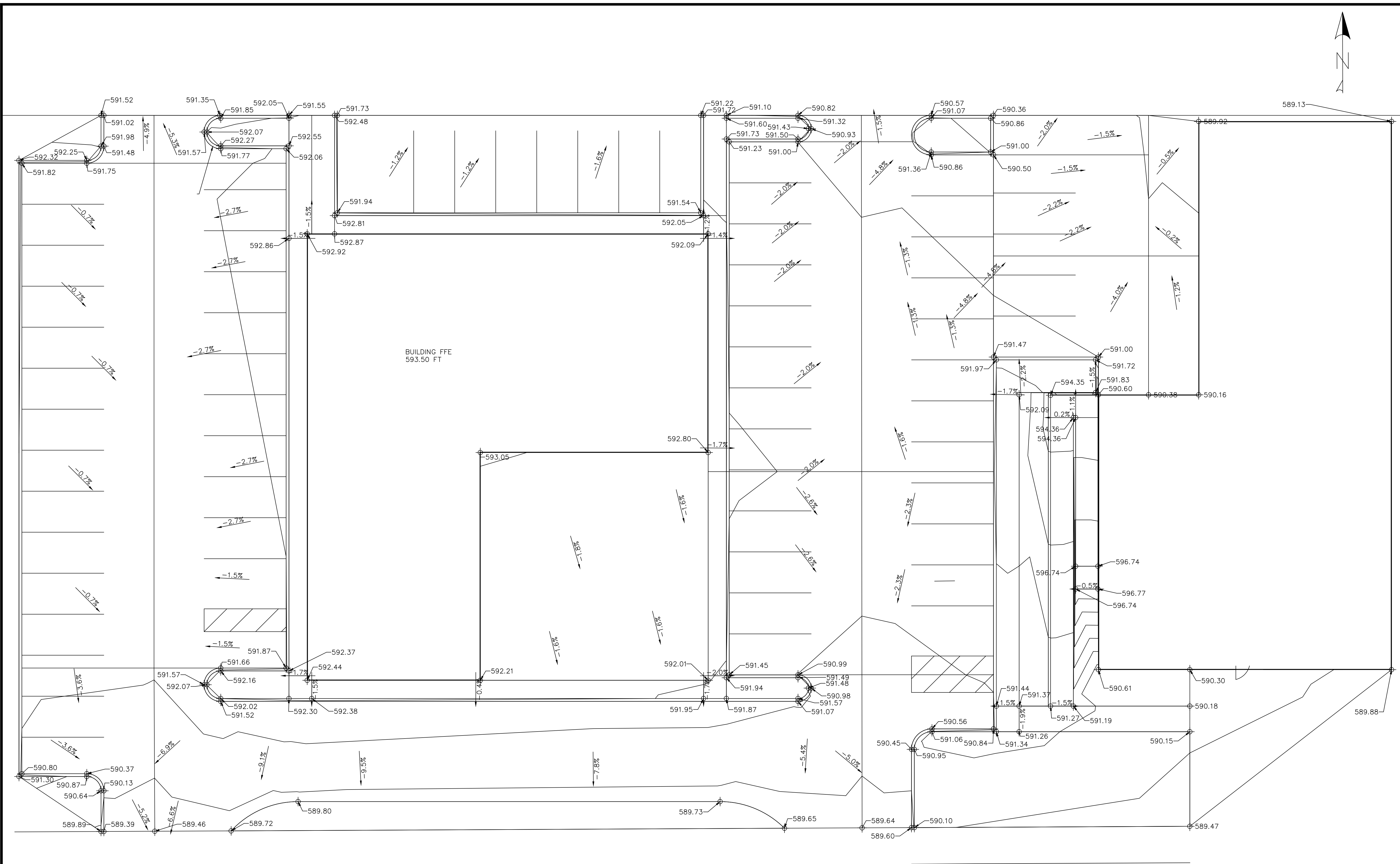


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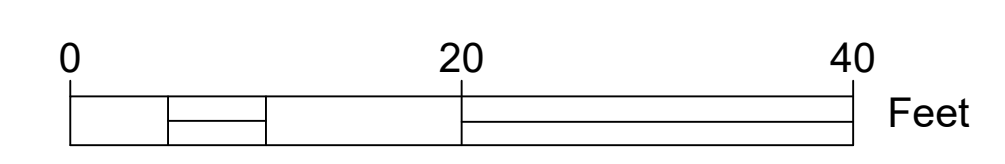
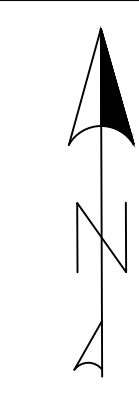
**Clinton YMCA Renovation
 and New Construction**
 274 5th Ave. S
 Clinton, IA

SHEET NAME
 Site Plan

SHEET NO.
C-1



BUILDING FFE
593.50 FT



PROJECT:	CEE: 4850
DATE :	04/08/2022
DRAWN BY:	TD Thornburgh
REVISION:	

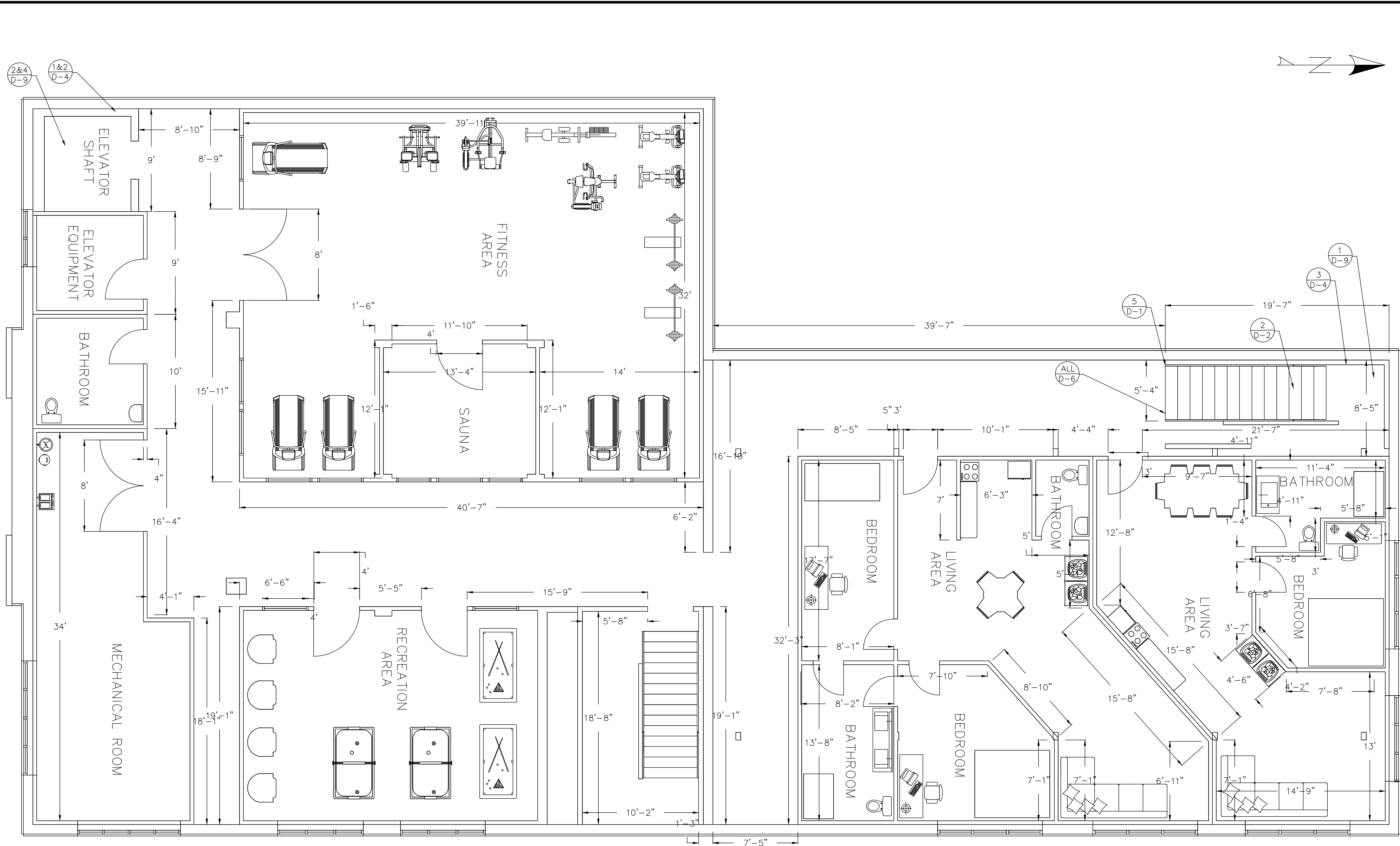
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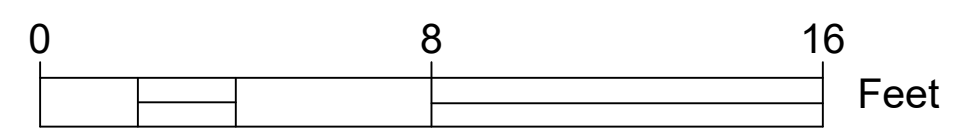
**Clinton YMCA Renovation
and New Construction**
 274 5th Ave. S
 Clinton, IA

SHEET NAME
Grading Plan

SHEET NO.
C-2



NOTE: FOR ALL INTERIOR PARTITION WALLS SEE D-10 DETAIL 2



PROJECT:	CEE: 4850
DATE :	04/08/2022
DRAWN BY:	TD Thornburgh
REVISION:	

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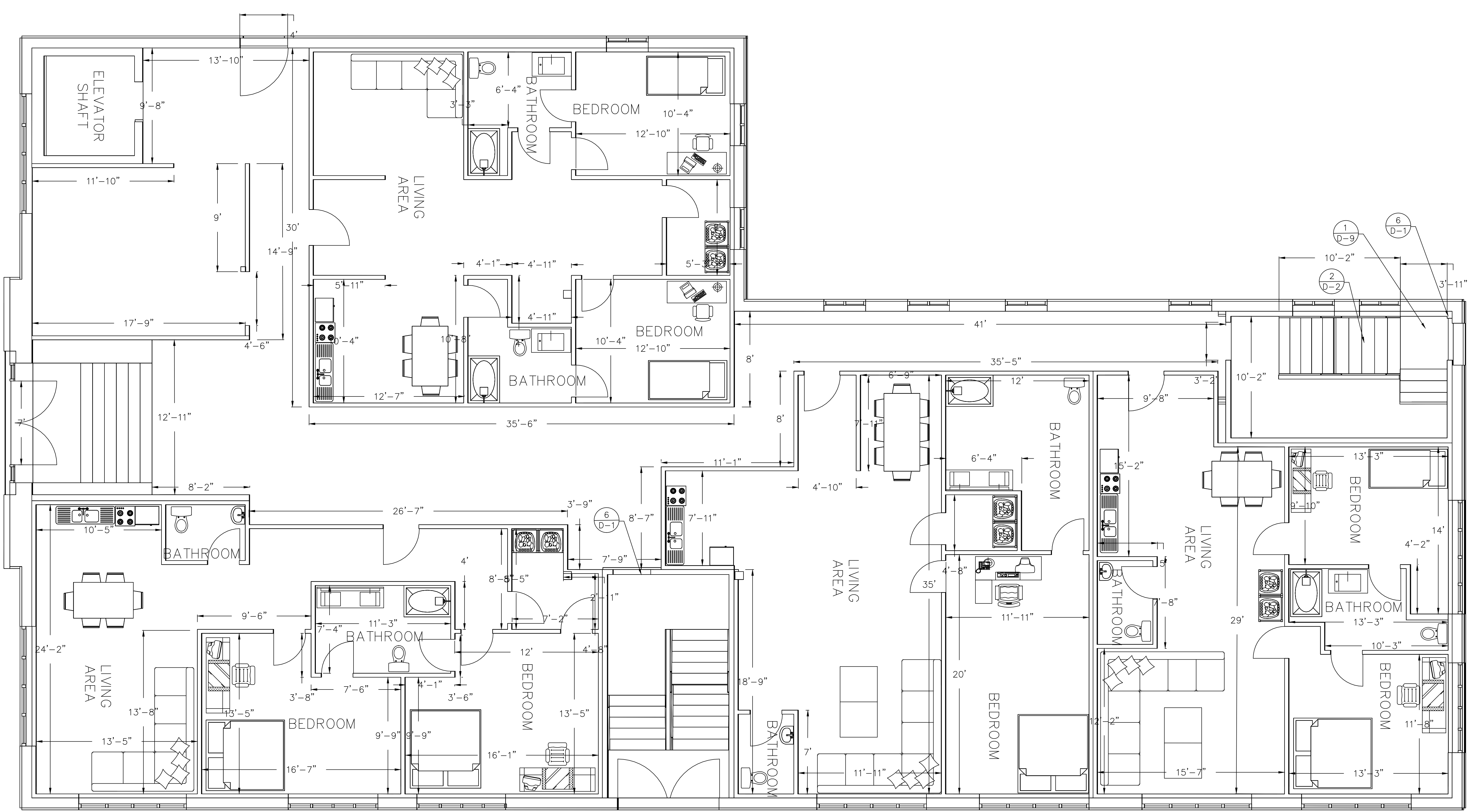
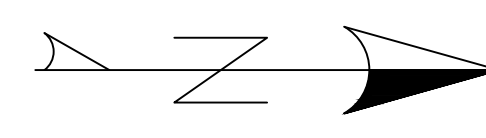


EDUCATIONAL - NOT FOR CONSTRUCTION

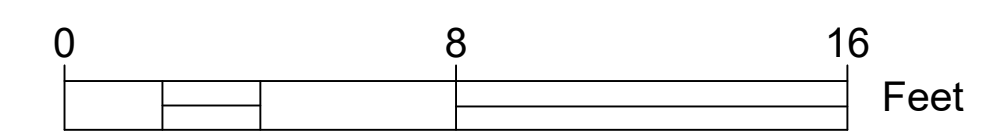
Clinton YMCA Renovation and New Construction
 274 5th Ave. S
 Clinton, IA

SHEET NAME
 Building A
 Basement Plan

SHEET NO.
A-1



NOTE: FOR ALL INTERIOR PARTITION WALLS SEE D-10 DETAIL 2



PROJECT:	CEE: 4850
DATE:	04/08/2022
DRAWN BY:	TD Thornburgh
REVISION:	

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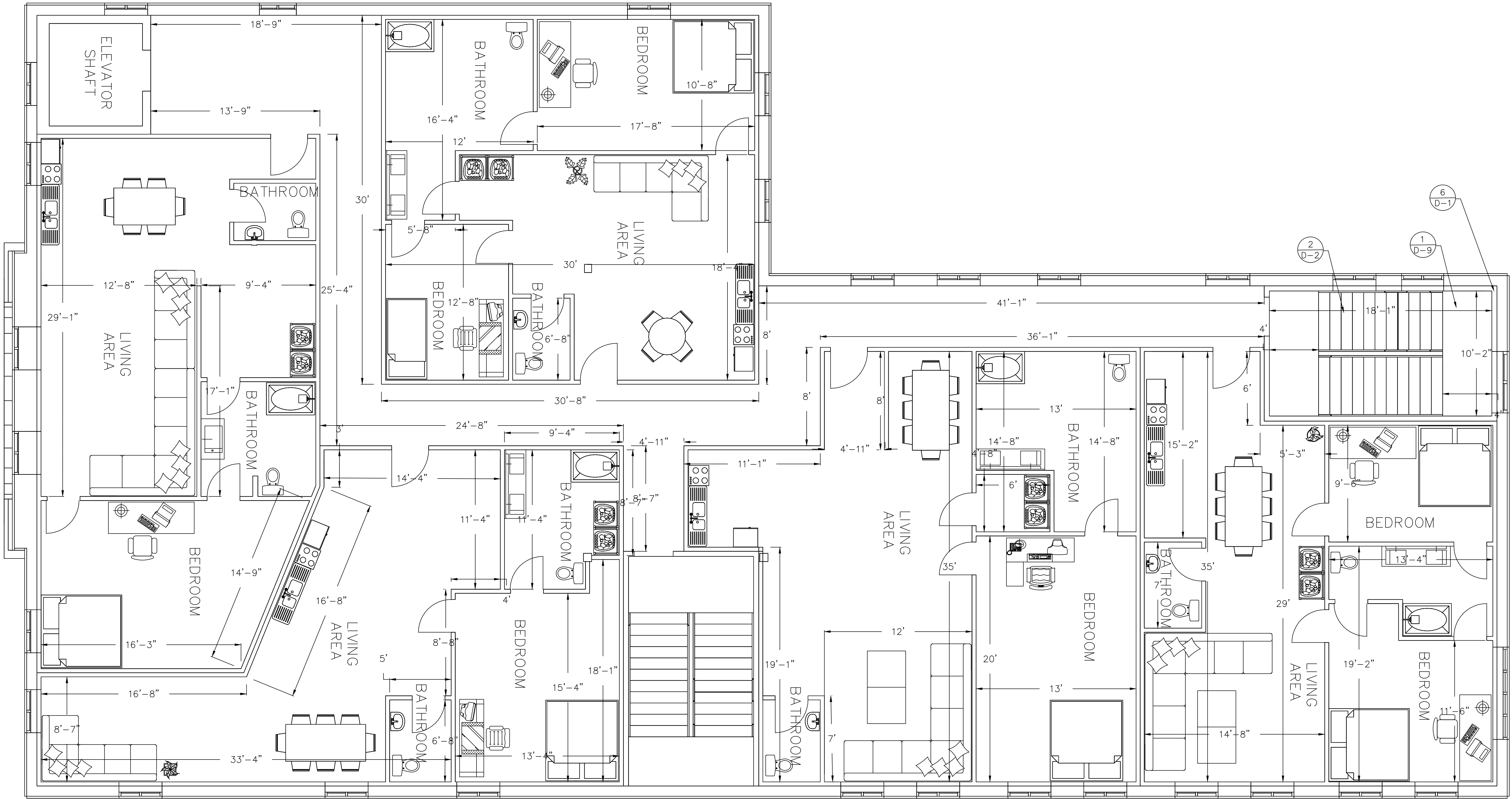
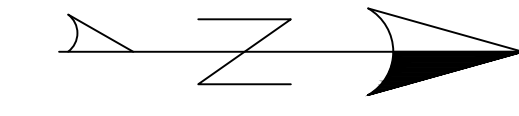


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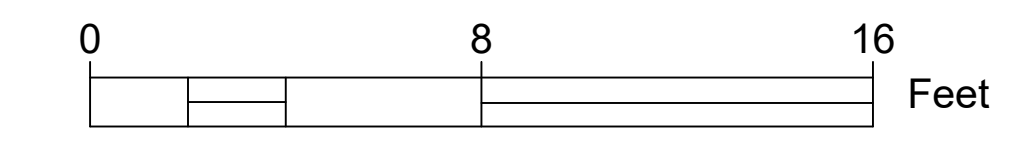
Clinton YMCA Renovation and New Construction
 274 5th Ave. S
 Clinton, IA

SHEET NAME
 Building A
 First Floor Plan

SHEET NO.
A-2



NOTE: FOR ALL INTERIOR PARTITION WALLS SEE D-10 DETAIL 2



PROJECT:	CEE: 4850
DATE :	04/08/2022
DRAWN BY:	TD Thornburgh
REVISION:	

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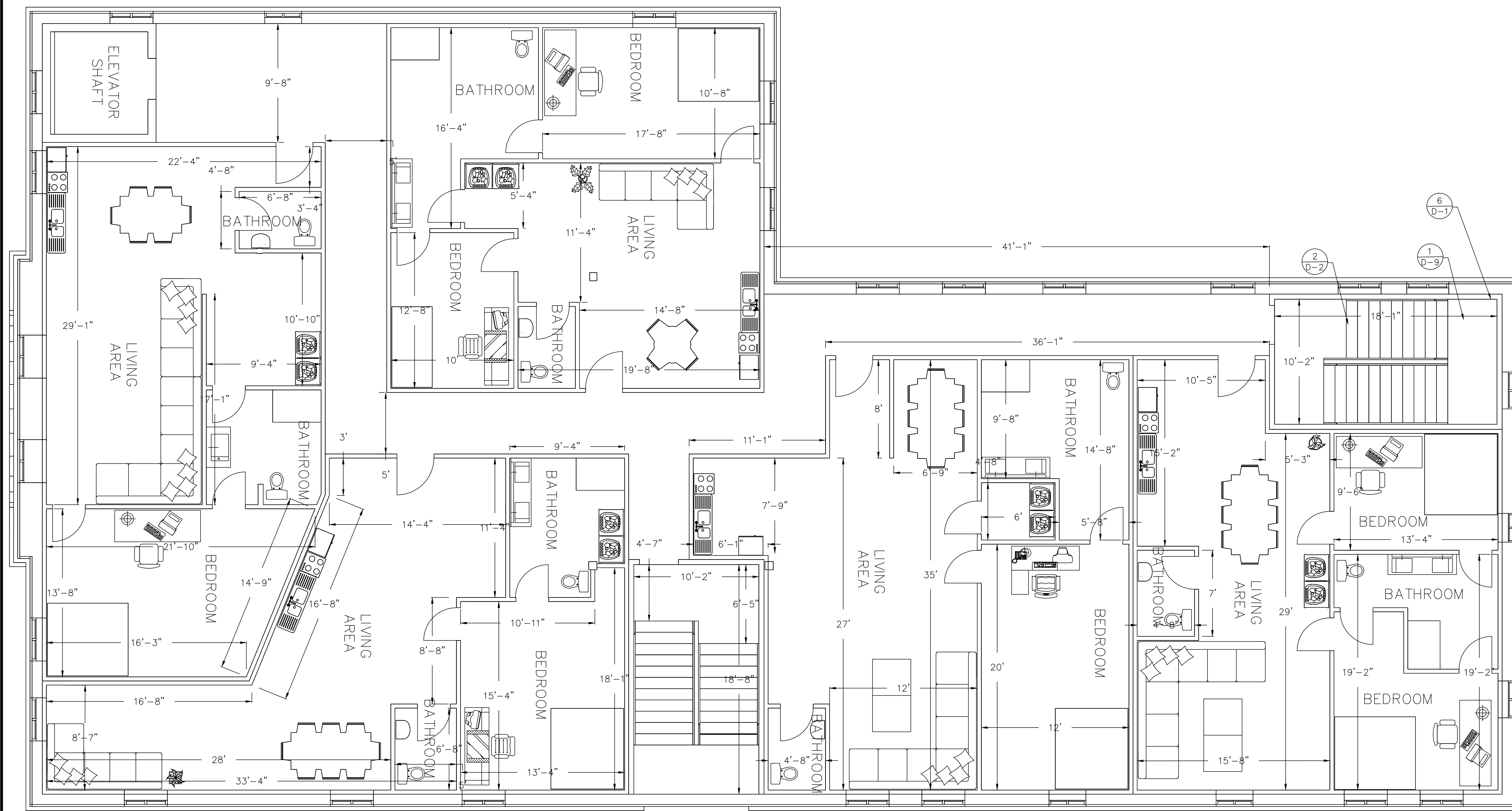
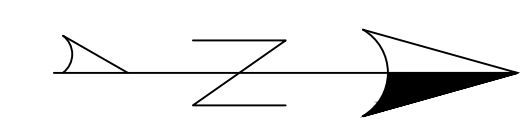


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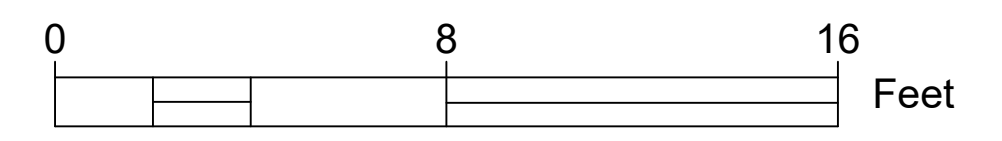
**Clinton YMCA Renovation
 and New Construction**
 274 5th Ave. S
 Clinton, IA

SHEET NAME
 Building A
 Second Floor Plan

SHEET NO.
A-3



NOTE: FOR ALL INTERIOR PARTITION WALLS SEE D-10 DETAIL 2



PROJECT:	CEE: 4850
DATE :	04/08/2022
DRAWN BY:	TD Thornburgh
REVISION:	

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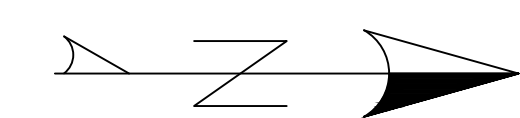
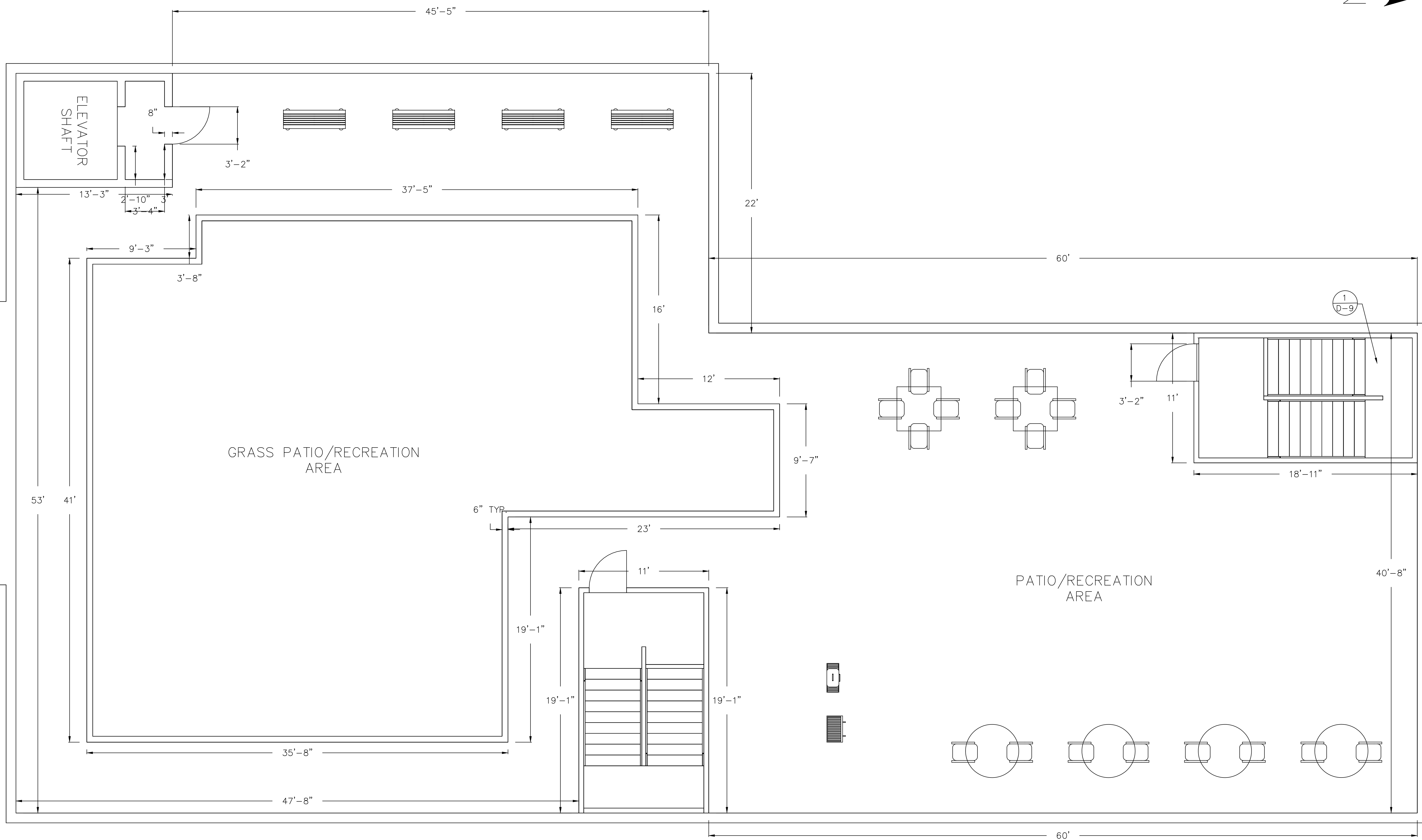


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Clinton YMCA Renovation and New Construction
 274 5th Ave. S
 Clinton, IA

SHEET NAME
 Building A
 Third Floor Plan

SHEET NO.
A-4



PROJECT:	CEE-4850
DATE :	04/08/2022
DRAWN BY:	TD Thornburgh
REVISION:	

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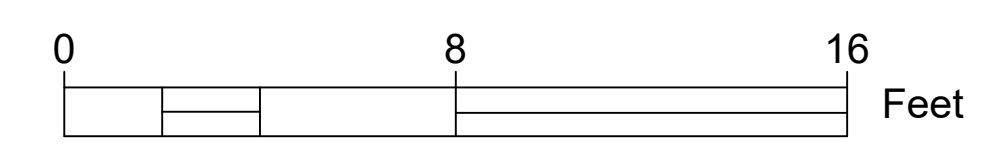
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 FOR CONSTRUCTION

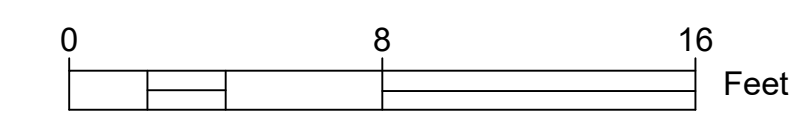
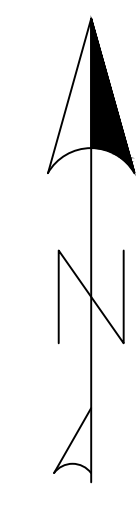
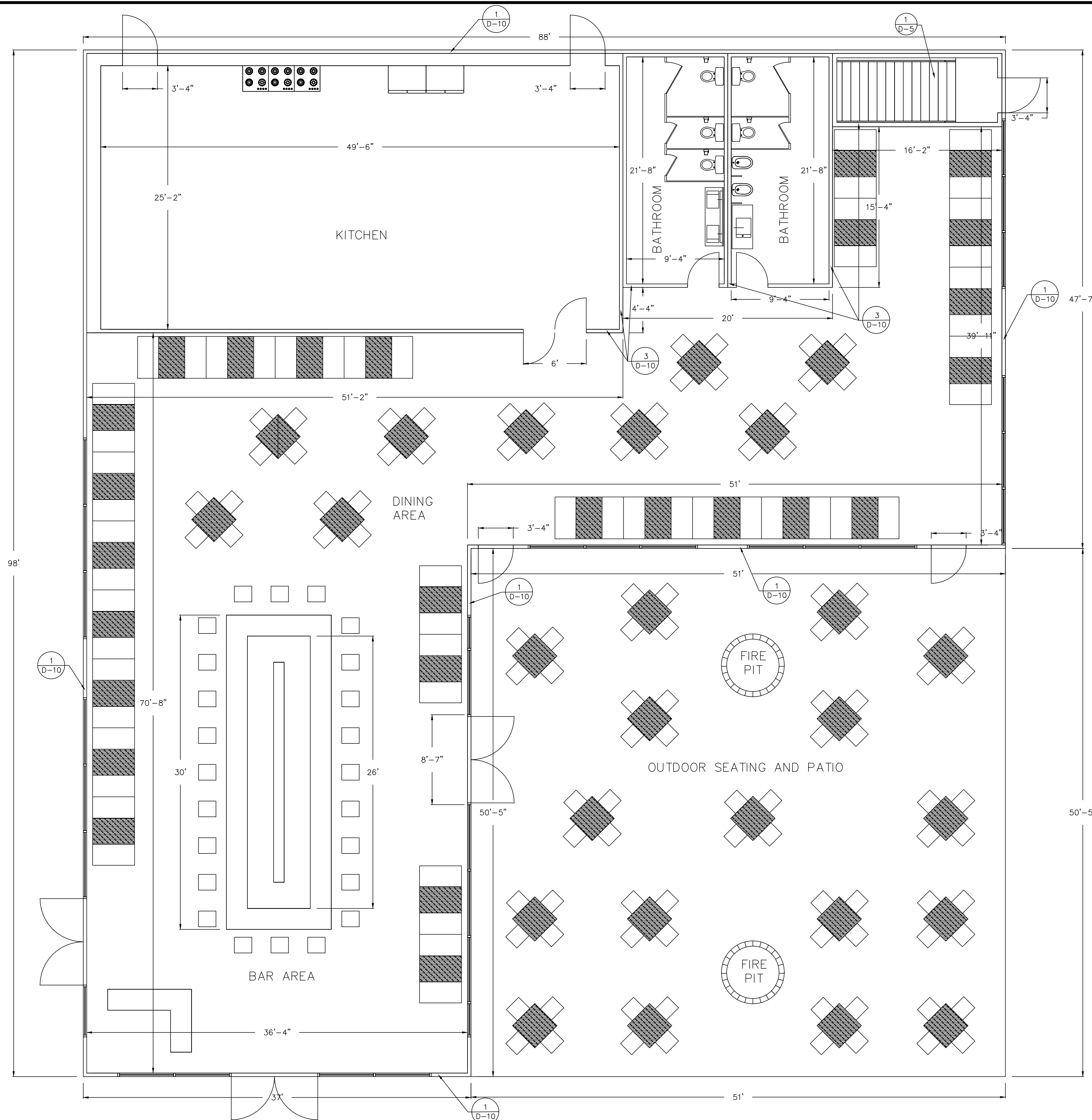
**Clinton YMCA Renovation
 and New Construction**
 274 5th Ave. S
 Clinton, IA

SHEET NAME
 Building A
 Roof Plan

SHEET NO.
A-5

NOTE: FOR ALL INTERIOR
 PARTITION WALLS SEE
 D-10 DETAIL 2





PROJECT: CEE: 4850
 DATE: 04/08/2022
 DRAWN BY: TD Thornburgh
 REVISION:

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 103 S. CAPITOL ST
 IOWA CITY, IOWA 52242
 PHONE: 319.335.5647
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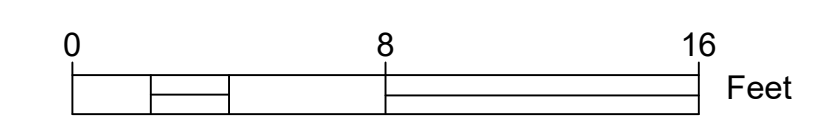
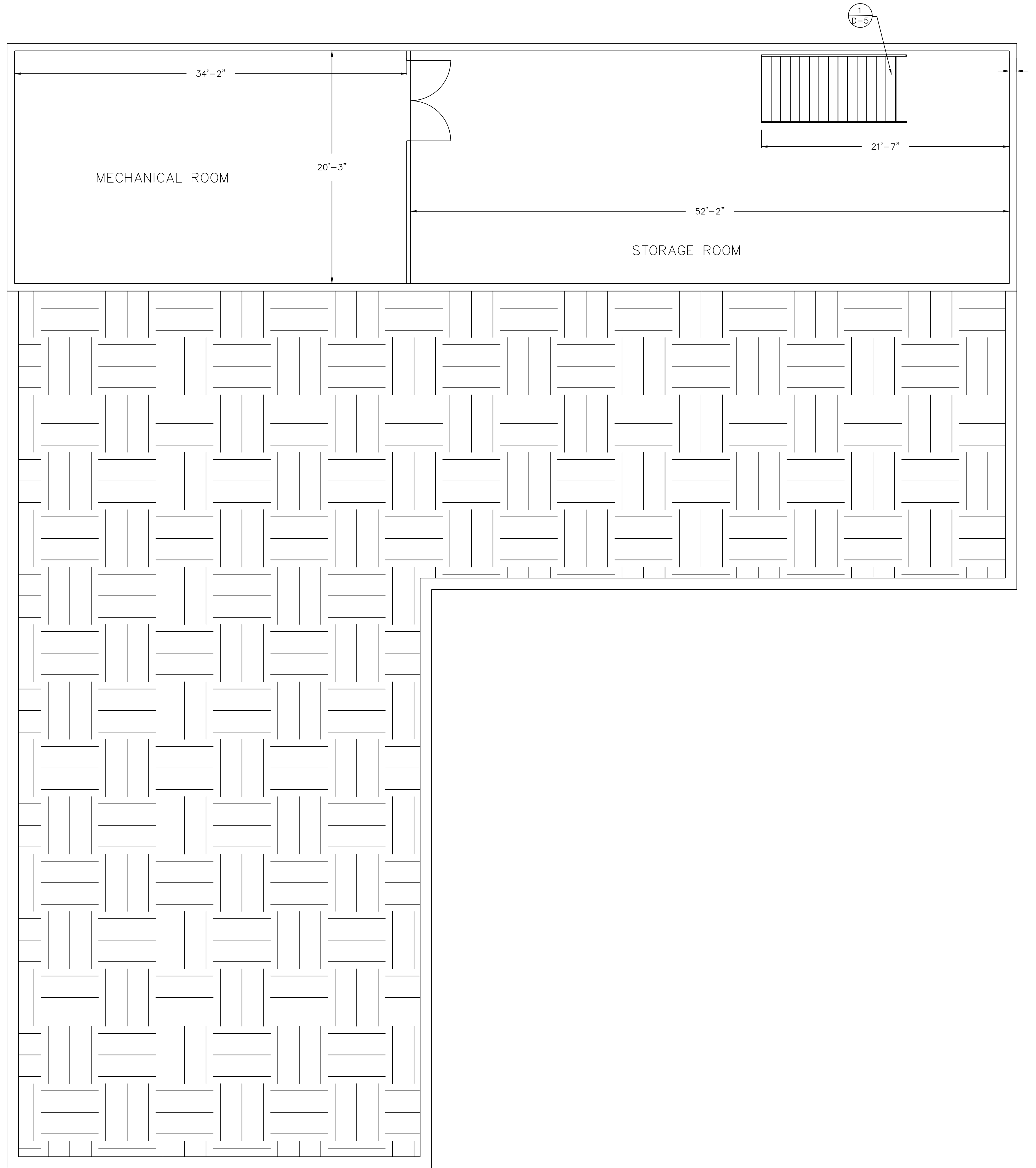


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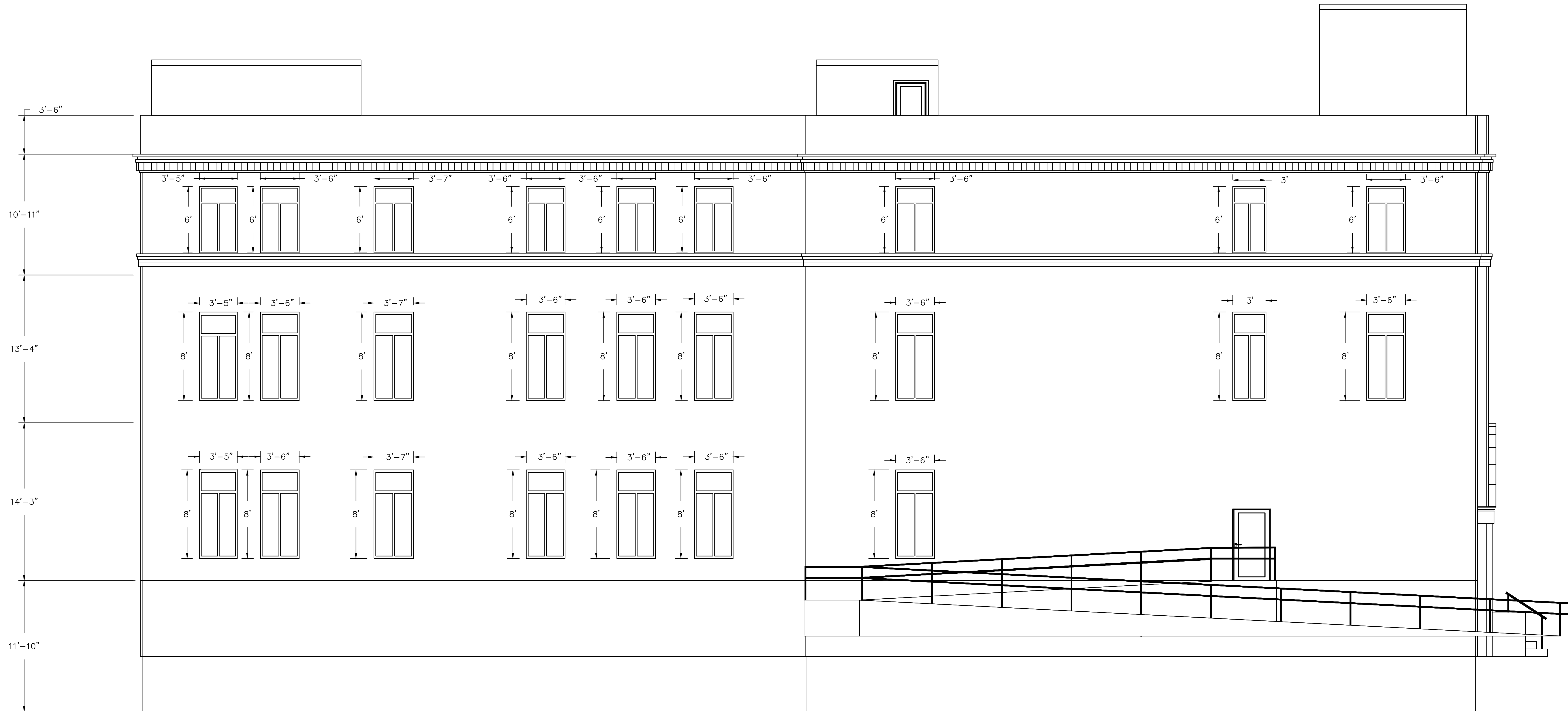
Clinton YMCA Renovation and New Construction
 274 5th Ave. S
 Clinton, IA

SHEET NAME
 Building C
 Floor Plan

SHEET NO.
A-6



PROJECT: CEE: 4850	DATE: 04/08/2022	DRAWN BY: TD Thornburgh	REVISION:
THE UNIVERSITY OF IOWA			
CIVIL AND ENVIRONMENTAL ENGINEERING			
4105 SEAMANS CENTER FOR THE ENGINEERING ARTS AND SCIENCES 103 S CAPITOL ST IOWA CITY, IOWA 52242 PHONE: 319.335.5647 FAX: 319.335.5660 EMAIL: civil-hawks@iowas.edu			
IOWA			
CIVIL & ENVIRONMENTAL ENGINEERING			
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Clinton YMCA Renovation and New Construction 274 5th Ave. S Clinton, IA			
SHEET NAME			
Building C Basement Plan			
SHEET NO.			
A-7			



PROJECT: CEE: 4850
 DATE: 04/08/2022
 DRAWN BY: TD Thornburgh
 REVISION:

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
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 ENGINEERING ARTS AND SCIENCES
 103 S CAPITOL ST
 IOWA CITY, IOWA 52242
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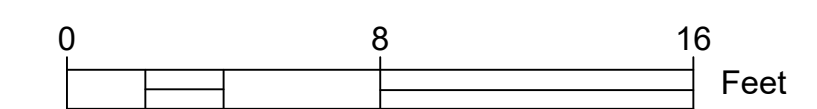


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**Clinton YMCA Renovation
 and New Construction**
 274 5th Ave. S
 Clinton, IA

SHEET NAME
 Building A West
 Wall Elevation

SHEET NO.
A-8



PROJECT: CEE-4850
 DATE: 04/08/2022
 DRAWN BY: TD Thornburgh
 REVISION:

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
 4105 SEAMANS CENTER FOR THE
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 IOWA CITY, IOWA 52242
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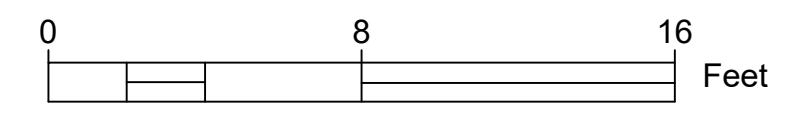


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**Clinton YMCA Renovation
 and New Construction**
 274 5th Ave. S
 Clinton, IA

SHEET NAME
 Building A North
 Wall Elevation

SHEET NO.
A-9



PROJECT: CEE: 4850
 DATE: 04/08/2022
 DRAWN BY: TD Thornburgh
 REVISION:

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 103 S CAPITOL ST
 IOWA CITY, IOWA 52242
 PHONE: 319.335.5647
 FAX: 319.335.5660
 EMAIL: civil-hawks@iowab.edu

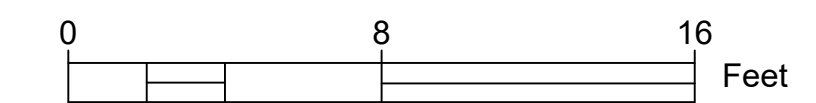


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**Clinton YMCA Renovation
 and New Construction**
 274 5th Ave. S
 Clinton, IA

SHEET NAME
 Building A East
 Wall Elevation

SHEET NO.
A-10



PROJECT: CEE: 4850
 DATE : 04/08/2022
 DRAWN BY: TD Thornburgh
 REVISION:

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 103 S CAPITOL ST
 IOWA CITY, IOWA 52242
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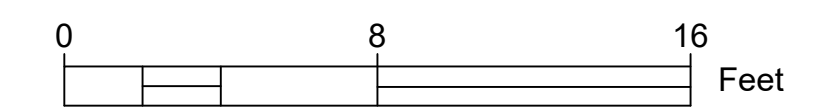
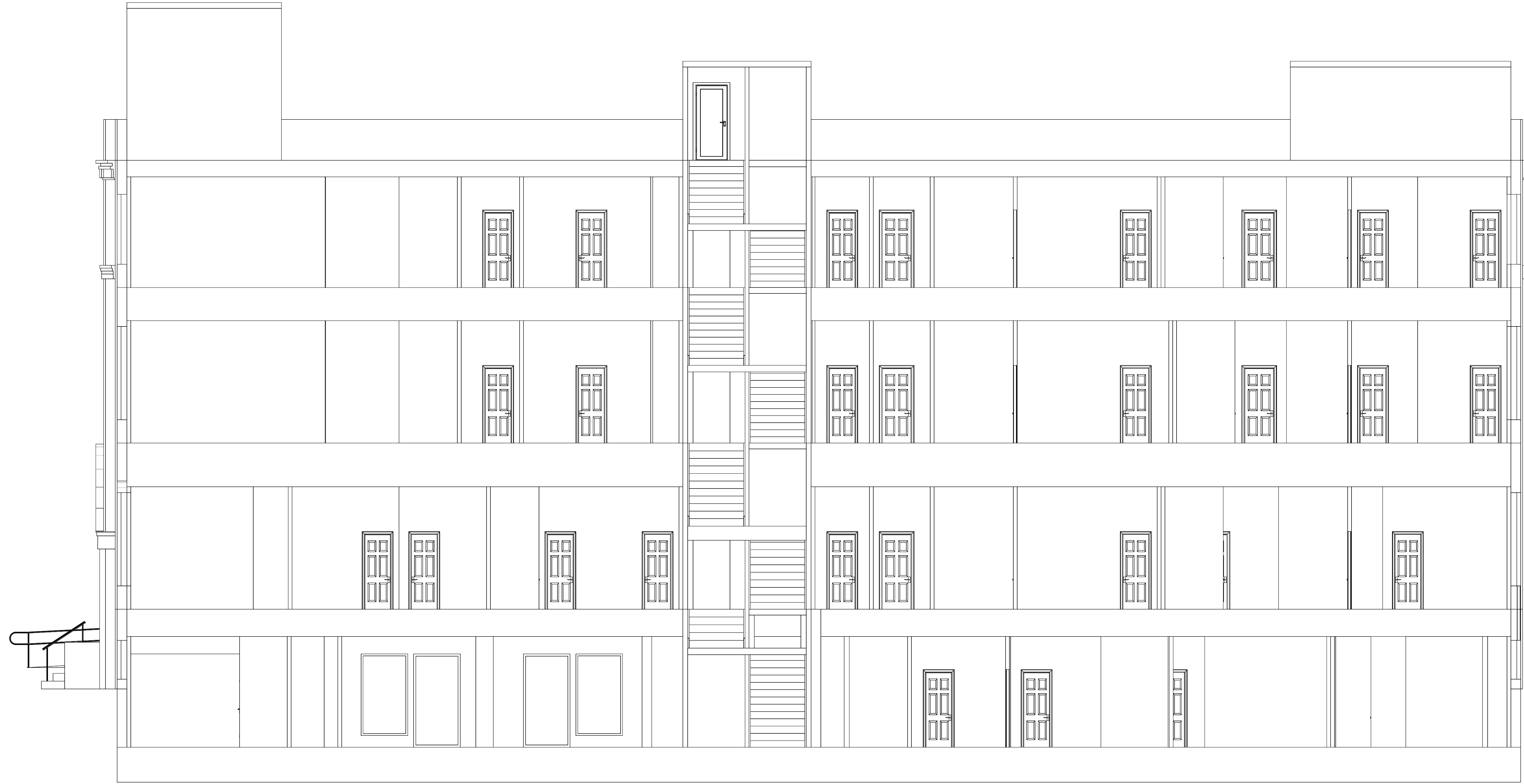


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**Clinton YMCA Renovation
 and New Construction**
 274 5th Ave. S
 Clinton, IA

SHEET NAME
 Building A South
 Wall Elevation

SHEET NO.
A-11



PROJECT: CEE: 4850
 DATE : 04/08/2022
 DRAWN BY: TD Thornburgh
 REVISION:

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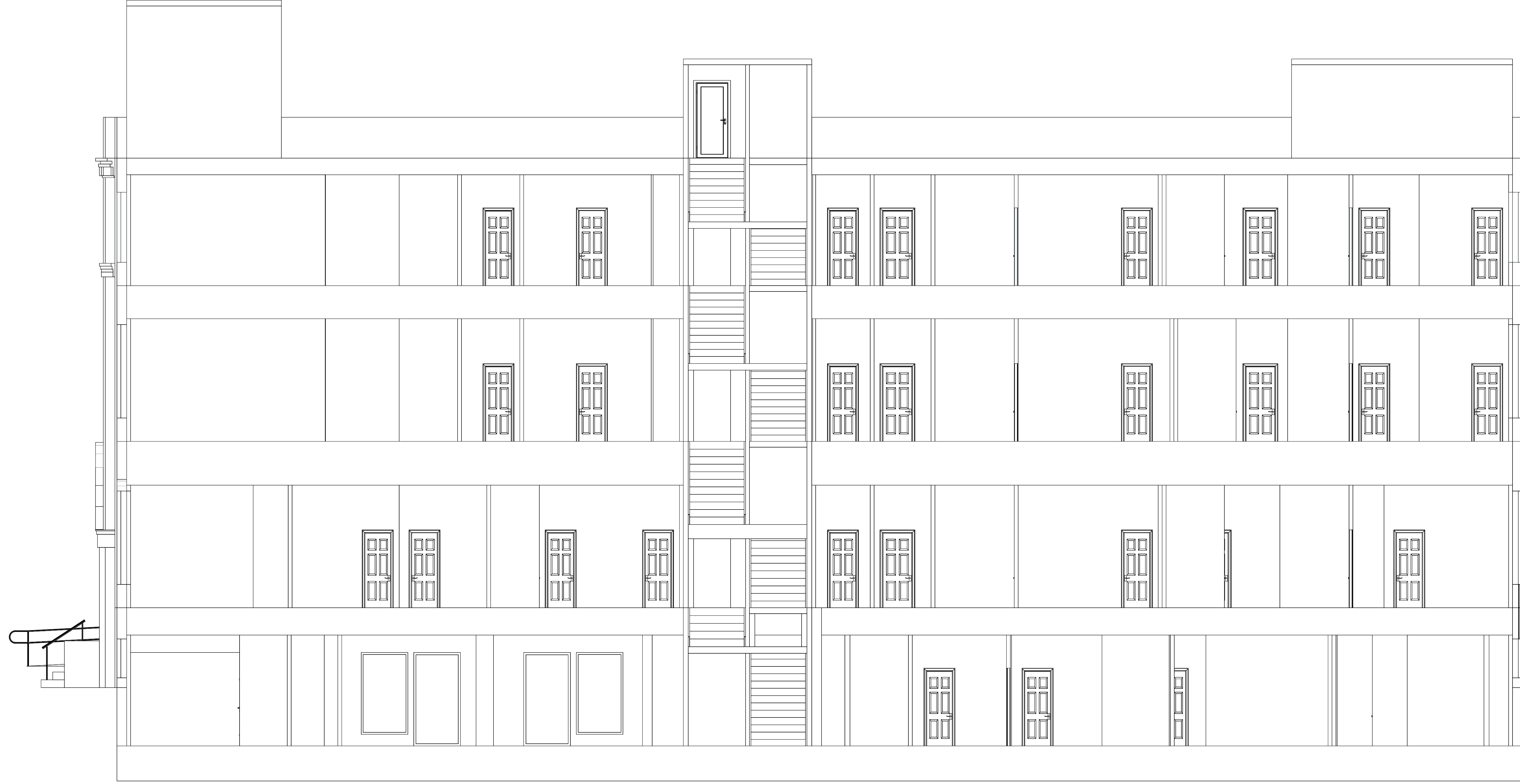


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 FOR CONSTRUCTION

**Clinton YMCA Renovation
 and New Construction**
 274 5th Ave. S
 Clinton, IA

SHEET NAME
 Building A
 East Section

SHEET NO.
A-12



PROJECT: CEE: 4850
 DATE : 04/08/2022
 DRAWN BY: TD Thornburgh
 REVISION:

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Clinton YMCA Renovation and New Construction
 274 5th Ave. S
 Clinton, IA

SHEET NAME
 Building A
 West Section

SHEET NO.
A-13

PROJECT: CEE-4850
 DATE: 04/08/2022
 DRAWN BY: TD Thornburgh
 REVISION:

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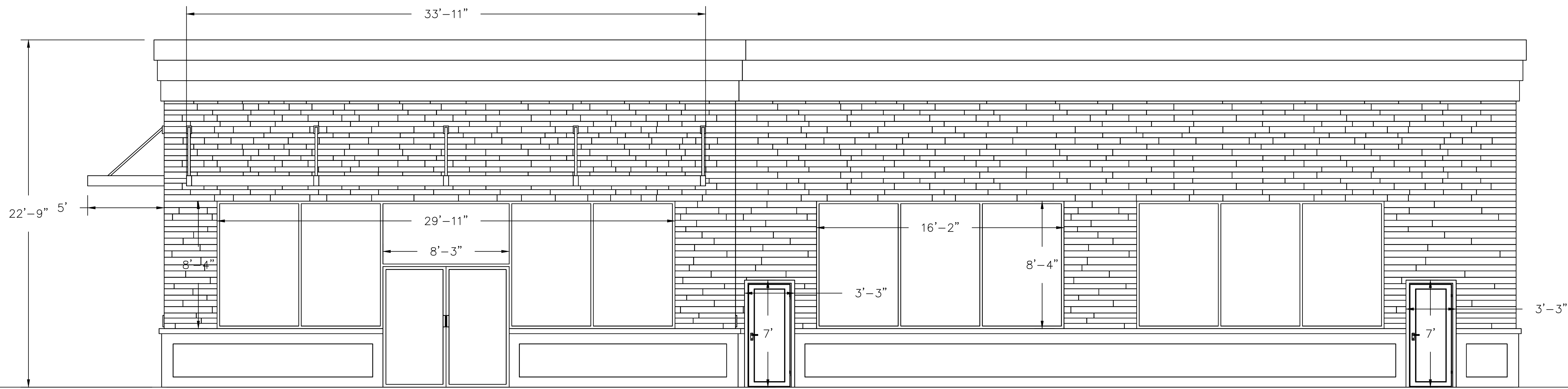


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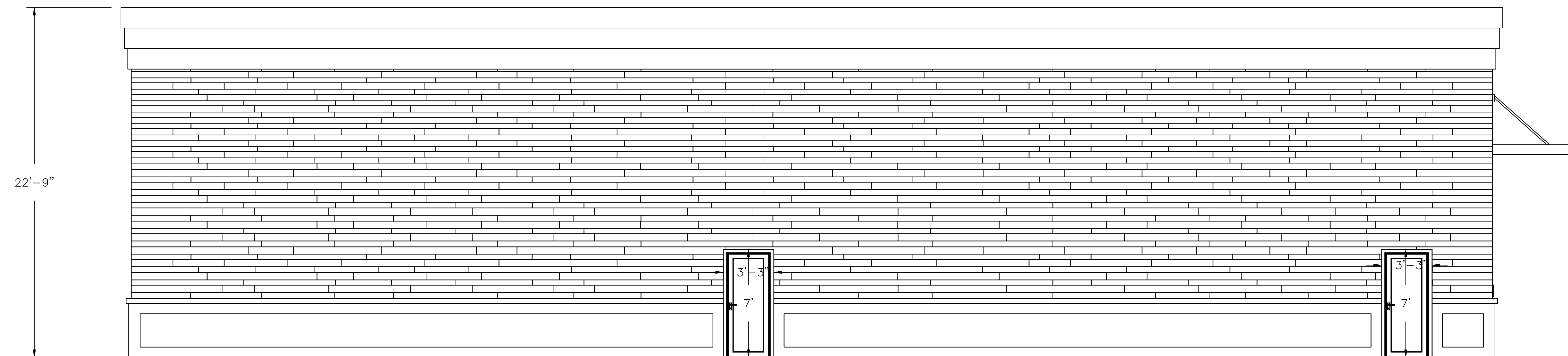
**Clinton YMCA Renovation
 and New Construction**
 274 5th Ave. S
 Clinton, IA

SHEET NAME
 Building C
 N/S Wall Elevation

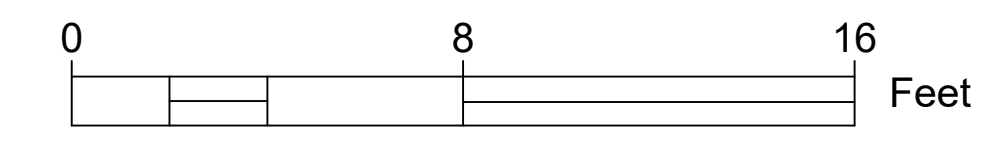
SHEET NO.
A-14

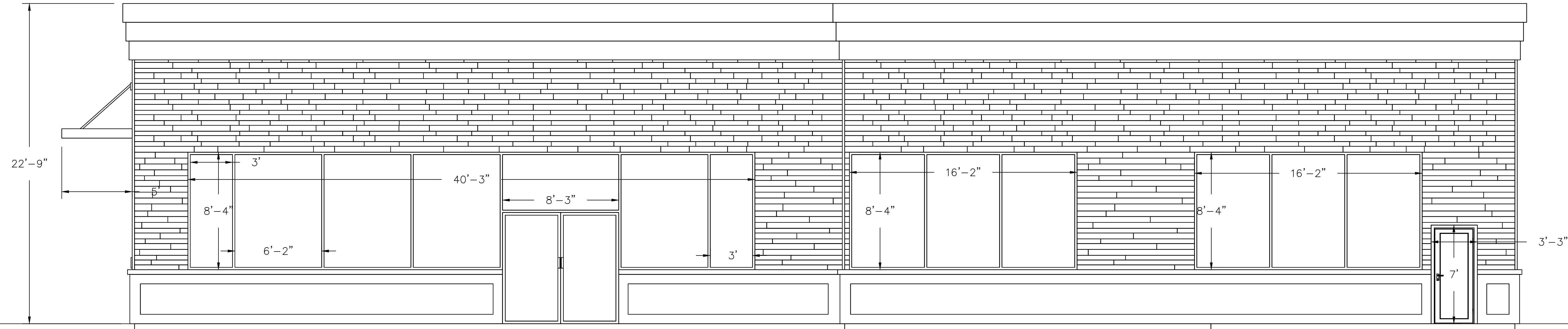


SOUTH WALL VIEW

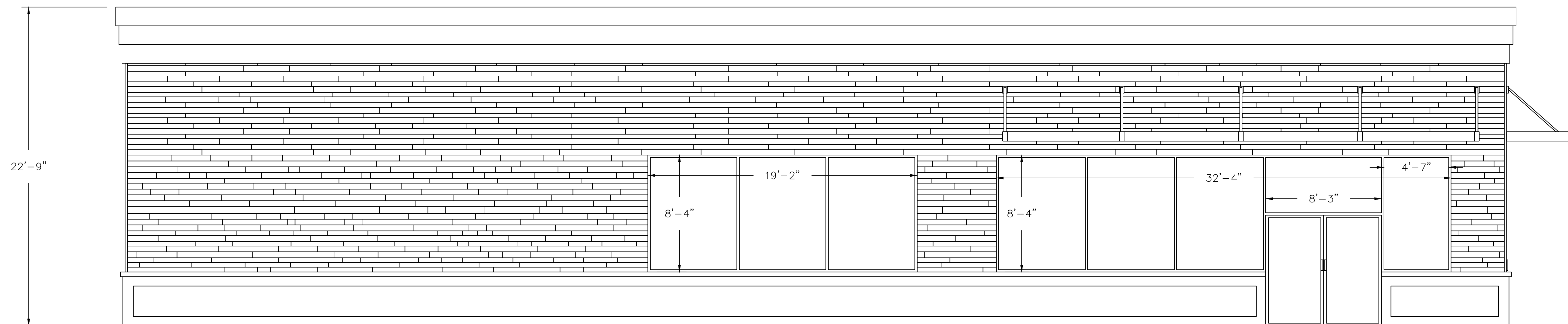


NORTH WALL VIEW





EAST WALL VIEW



WEST WALL VIEW

PROJECT: CEE: 4850
 DATE: 04/08/2022
 DRAWN BY: TD Thornburgh
 REVISION:

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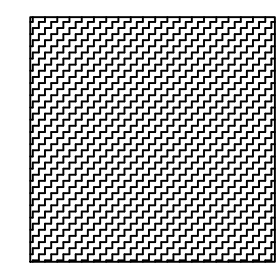
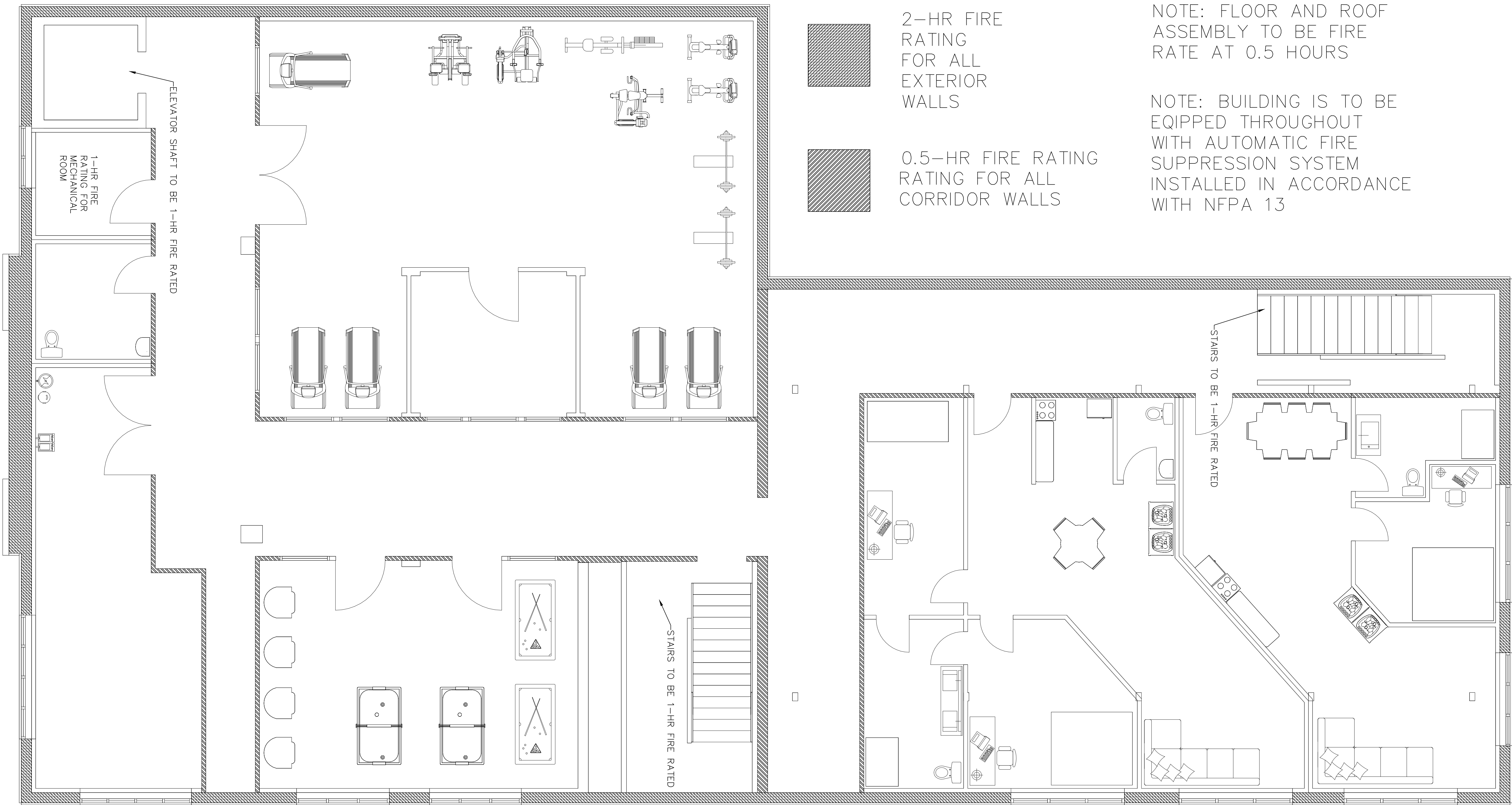
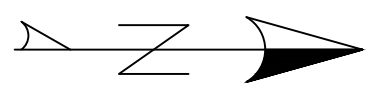


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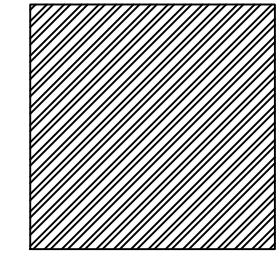
Clinton YMCA Renovation and New Construction
 274 5th Ave. S
 Clinton, IA

SHEET NAME
 Building C
 E/W Wall Elevation

SHEET NO.
A-15



2-HR FIRE RATING FOR ALL EXTERIOR WALLS



0.5-HR FIRE RATING RATING FOR ALL CORRIDOR WALLS

NOTE: FLOOR AND ROOF ASSEMBLY TO BE FIRE RATE AT 0.5 HOURS

NOTE: BUILDING IS TO BE EQUIPPED THROUGHOUT WITH AUTOMATIC FIRE SUPPRESSION SYSTEM INSTALLED IN ACCORDANCE WITH NFPA 13

PROJECT:	CEE: 4850
DATE :	04/08/2022
DRAWN BY:	TD Thornburgh
REVISION:	

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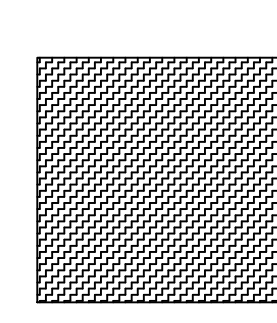
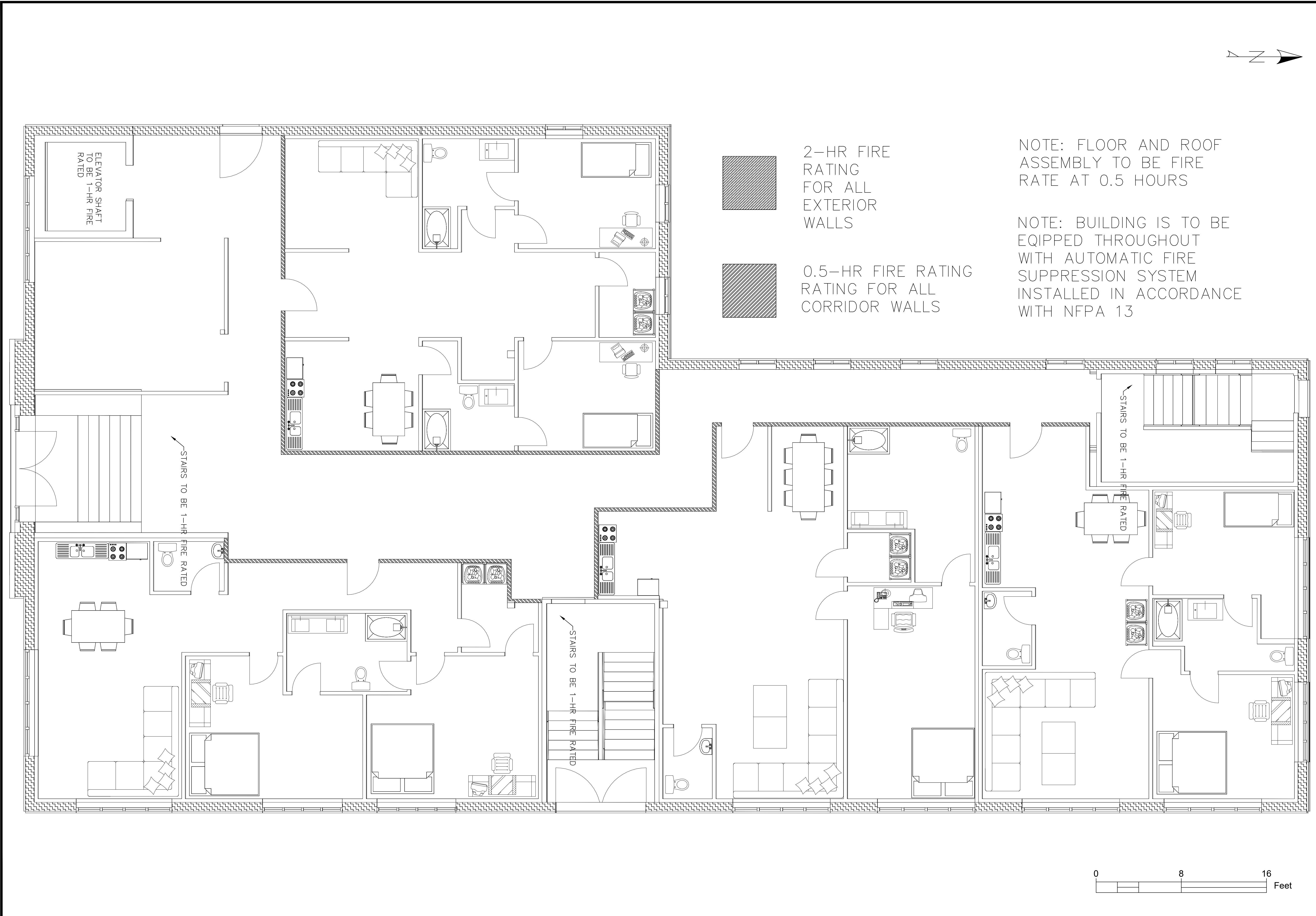


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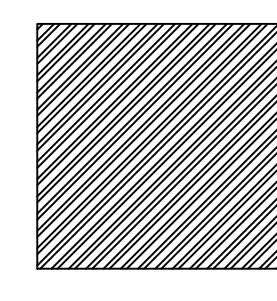
Clinton YMCA Renovation and New Construction
274 5th Ave. S
Clinton, IA

SHEET NAME
Building A
Basement Fireproof

SHEET NO.
A-16



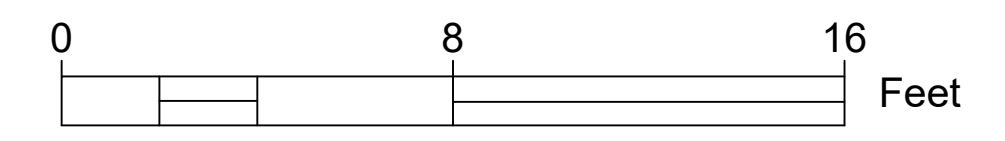
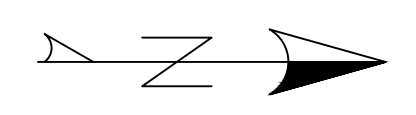
2-HR FIRE RATING FOR ALL EXTERIOR WALLS



0.5-HR FIRE RATING RATING FOR ALL CORRIDOR WALLS

NOTE: FLOOR AND ROOF ASSEMBLY TO BE FIRE RATE AT 0.5 HOURS

NOTE: BUILDING IS TO BE EQUIPPED THROUGHOUT WITH AUTOMATIC FIRE SUPPRESSION SYSTEM INSTALLED IN ACCORDANCE WITH NFPA 13



PROJECT:	CEE: 4850
DATE :	04/08/2022
DRAWN BY:	TD Thornburgh
REVISION:	

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
 4105 SEAMANS CENTER FOR THE
 ENGINEERING ARTS AND SCIENCES
 103 S. CAPITOL ST
 IOWA CITY, IOWA 52242
 PHONE: 319.335.5647
 FAX: 319.335.5660
 EMAIL: civil-hawks@iowab.edu

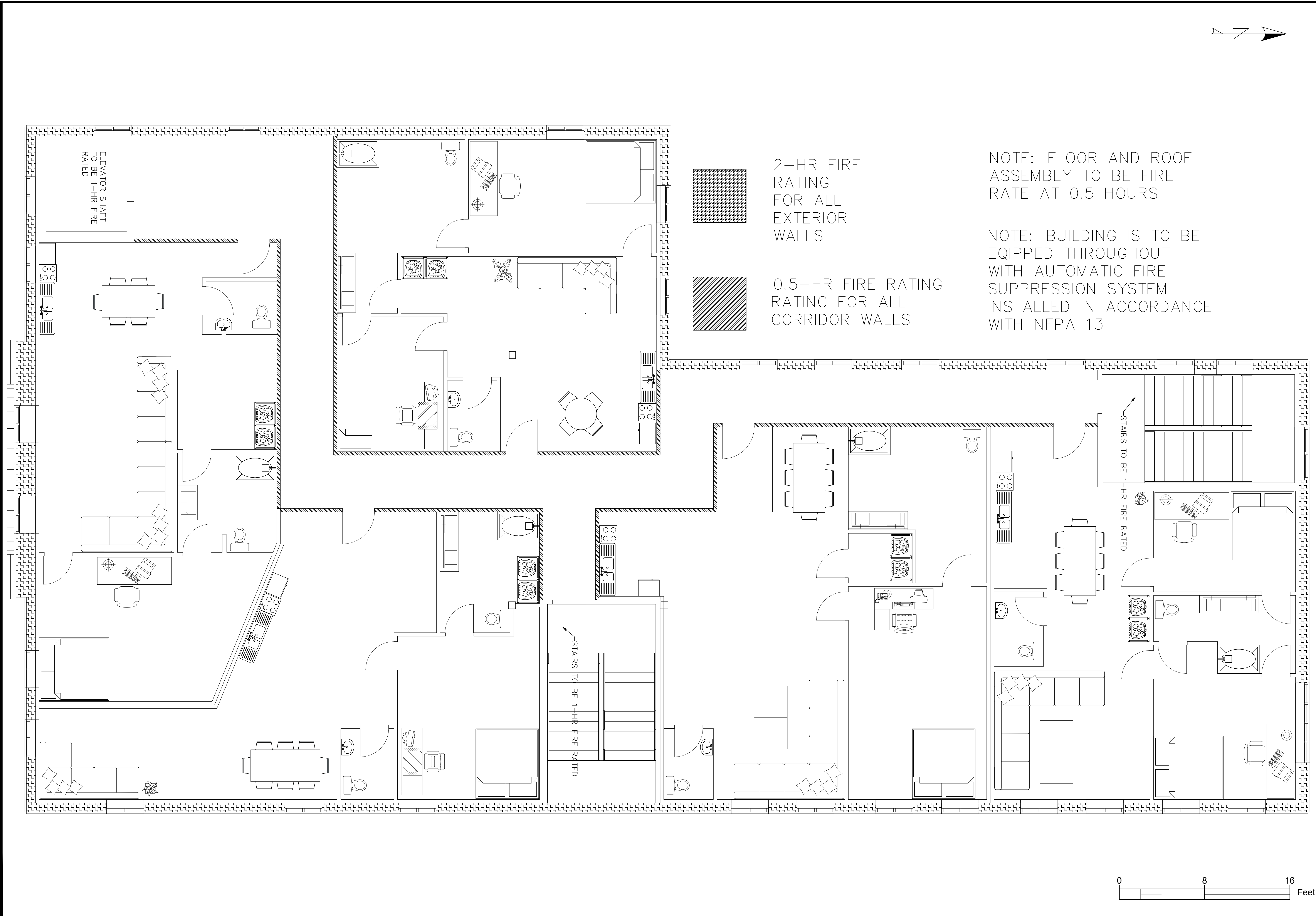


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Clinton YMCA Renovation and New Construction
 274 5th Ave. S
 Clinton, IA

SHEET NAME
 Building A
 First Floor Fireproof

SHEET NO.
A-17



PROJECT: CEE-4850
 DATE: 04/08/2022
 DRAWN BY: TD Thornburgh
 REVISION:

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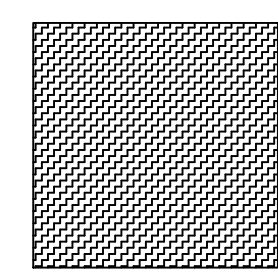
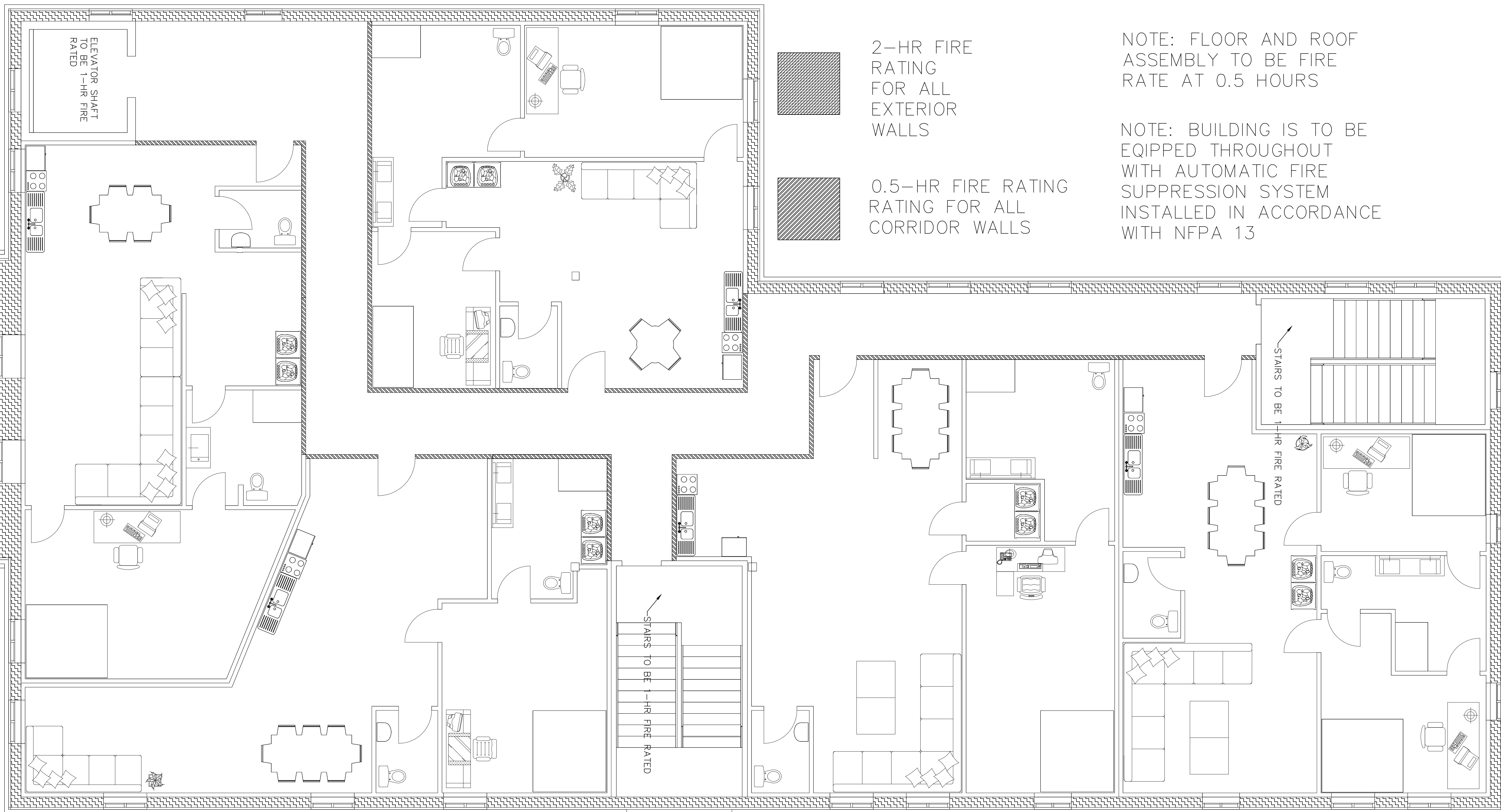


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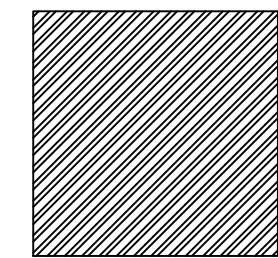
**Clinton YMCA Renovation
 and New Construction**
 274 5th Ave. S
 Clinton, IA

SHEET NAME
 Building A Second
 Floor Fireproof

SHEET NO.
A-18



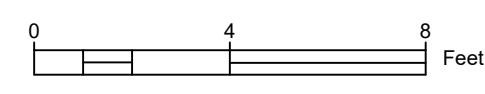
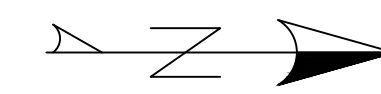
2-HR FIRE RATING FOR ALL EXTERIOR WALLS



0.5-HR FIRE RATING RATING FOR ALL CORRIDOR WALLS

NOTE: FLOOR AND ROOF ASSEMBLY TO BE FIRE RATE AT 0.5 HOURS

NOTE: BUILDING IS TO BE EQUIPPED THROUGHOUT WITH AUTOMATIC FIRE SUPPRESSION SYSTEM INSTALLED IN ACCORDANCE WITH NFPA 13



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 DATE: 04/08/2022
 DRAWN BY: TD Thornburgh
 REVISION:

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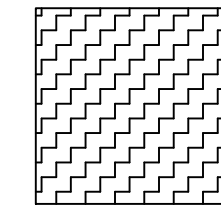


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Clinton YMCA Renovation and New Construction
 274 5th Ave. S
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SHEET NAME
 Building A Third Floor Fireproofing

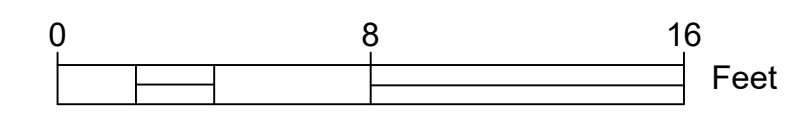
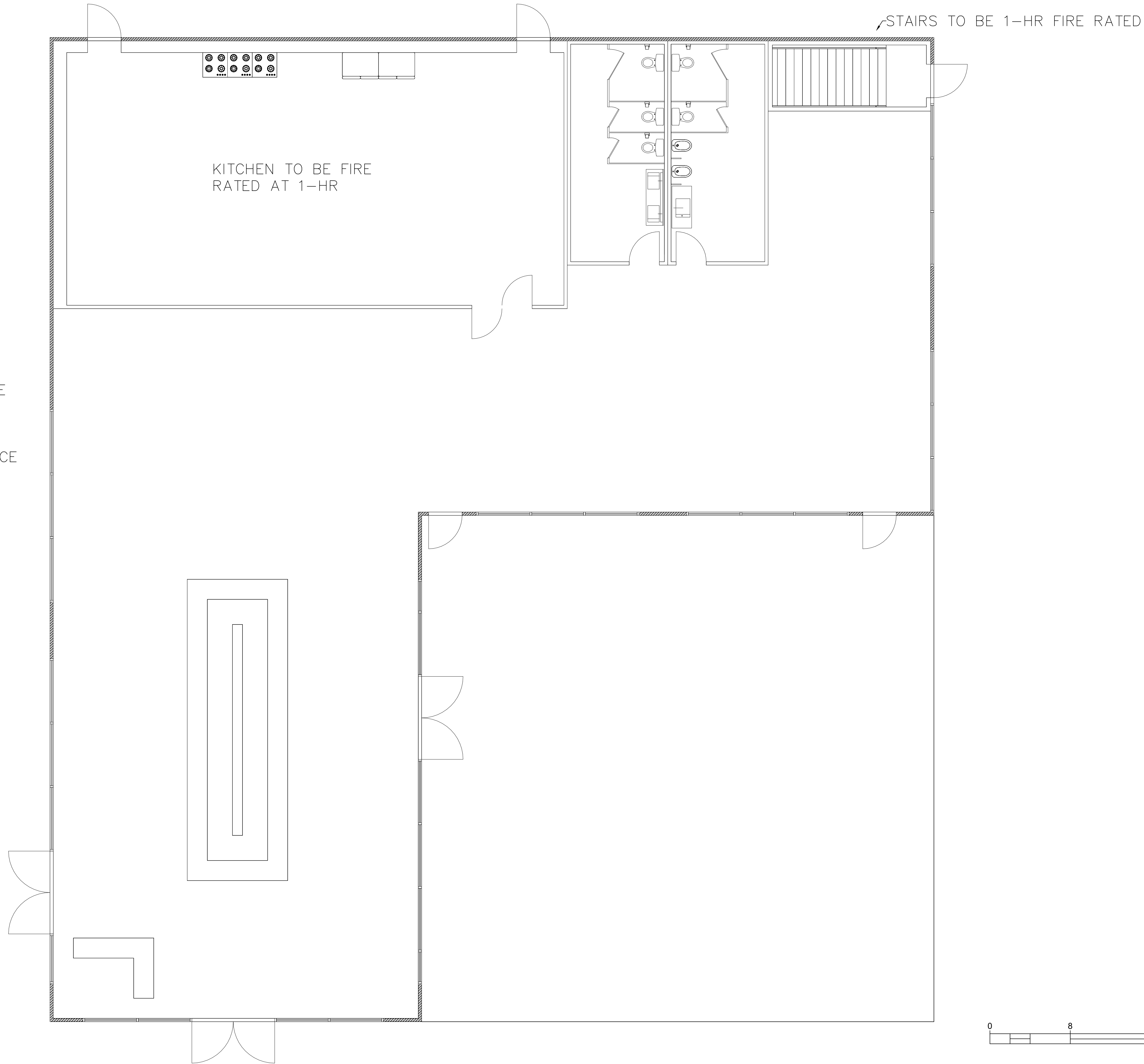
SHEET NO.
A-19



2-HR FIRE RATING FOR ALL EXTERIOR WALLS

NOTE: FLOOR AND ROOF ASSEMBLY TO BE FIRE RATE AT 0.5 HOURS

NOTE: BUILDING IS TO BE EQUIPPED THROUGHOUT WITH AUTOMATIC FIRE SUPPRESSION SYSTEM INSTALLED IN ACCORDANCE WITH NFPA 13



PROJECT:	CEE: 4850
DATE :	02/24/2022
DRAWN BY:	TD Thornburgh
REVISION:	

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 IOWA CITY, IOWA 52242
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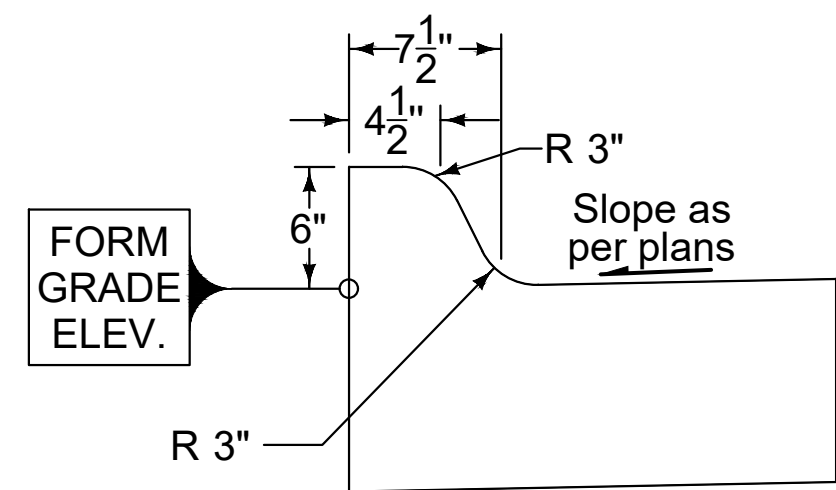


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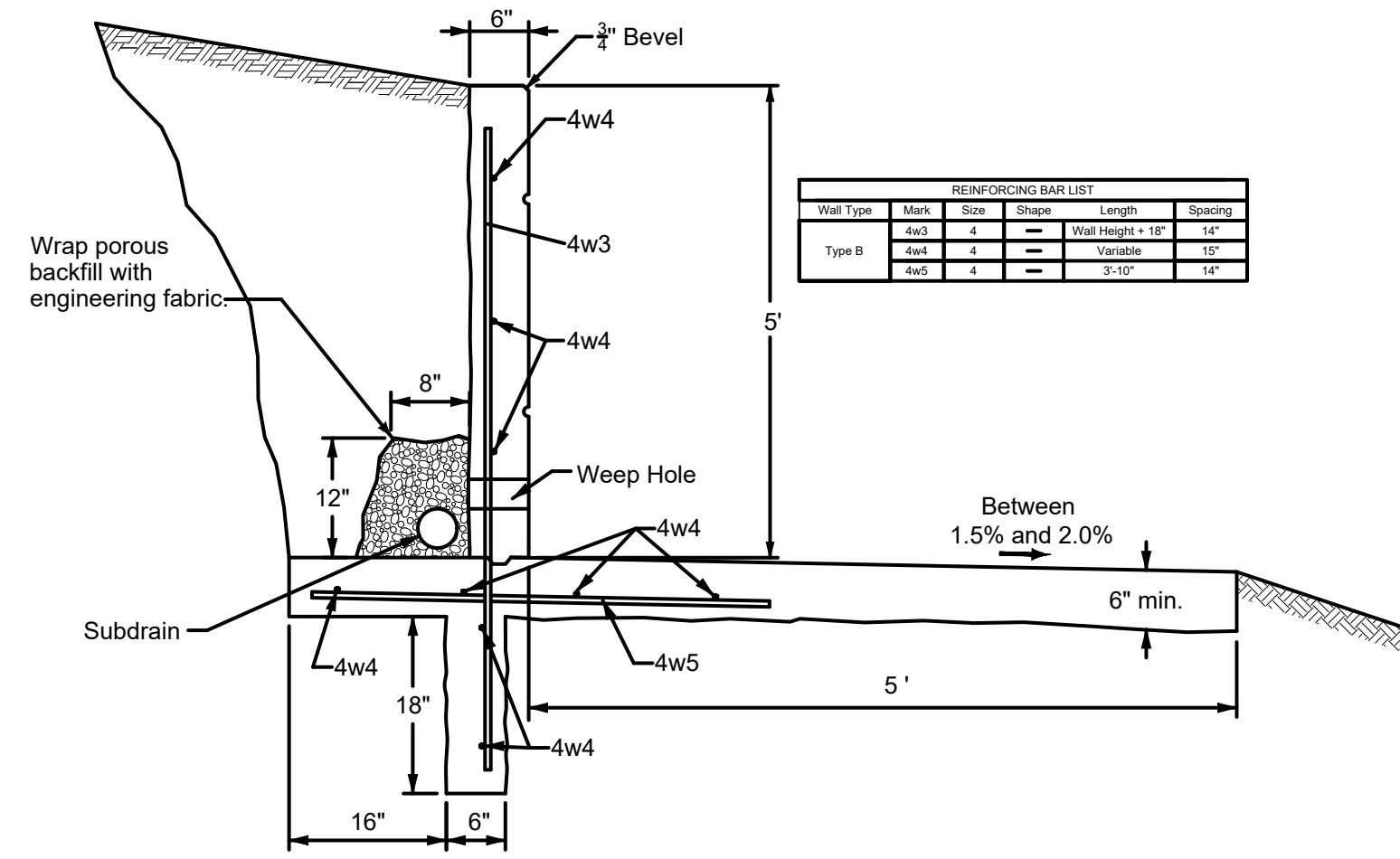
Clinton YMCA Rehab
 274 5th Ave. S
 Clinton, IA

SHEET NAME
 Building C
 Fireproofing

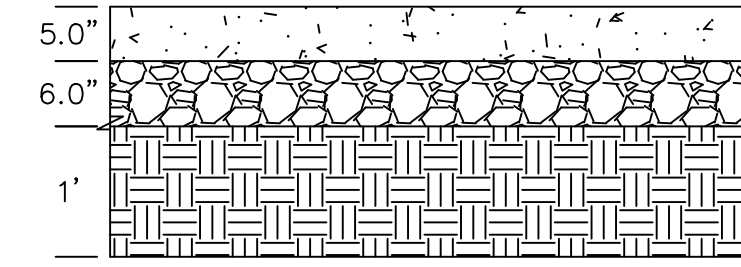
SHEET NO.
A-20



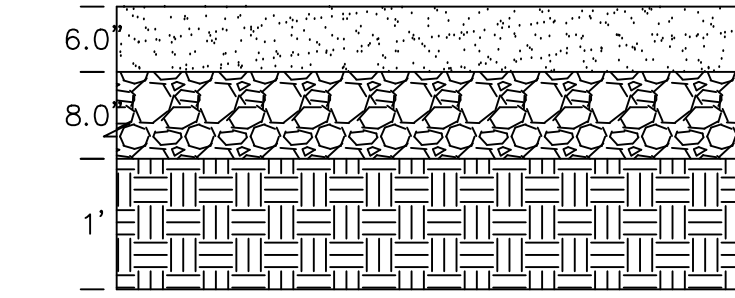
1 6" STANDARD CURB
D-1 SCALE: NOT TO SCALE - SUDAS 7010.102



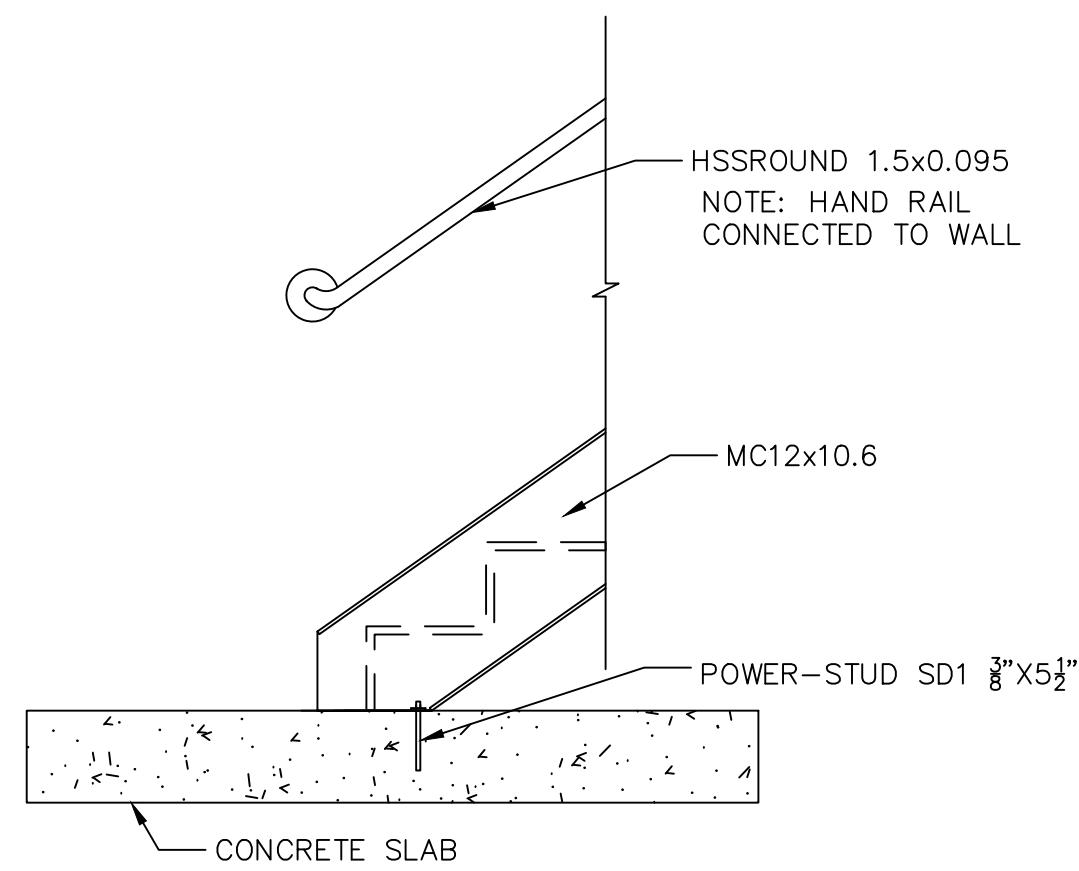
2 RETAINING RAMP TYPICAL SECTION
D-1 SCALE: NOT TO SCALE - SUDAS 9072



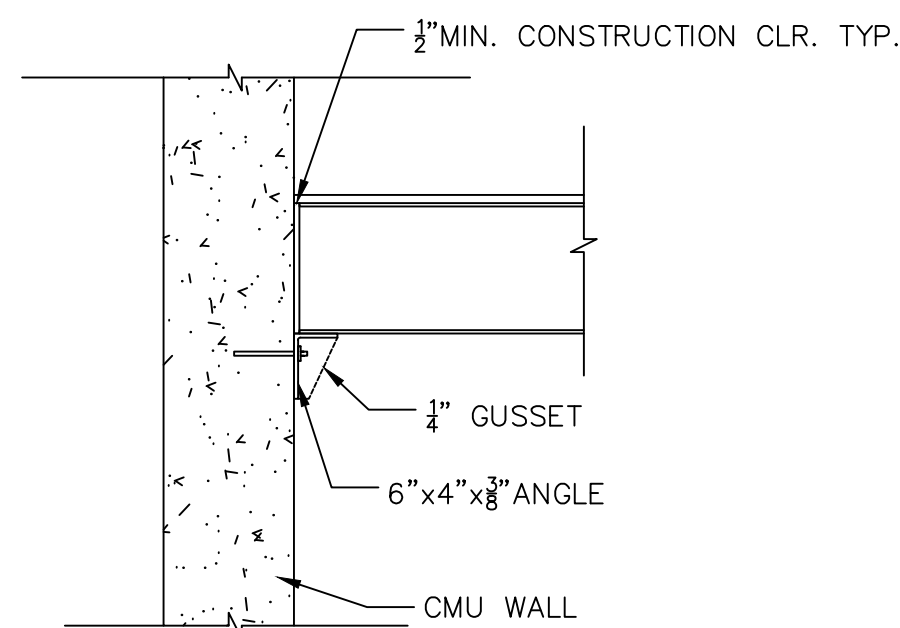
3 PCC PARKING LOT PAVEMENT SECTION
D-1 SCALE: NOT TO SCALE



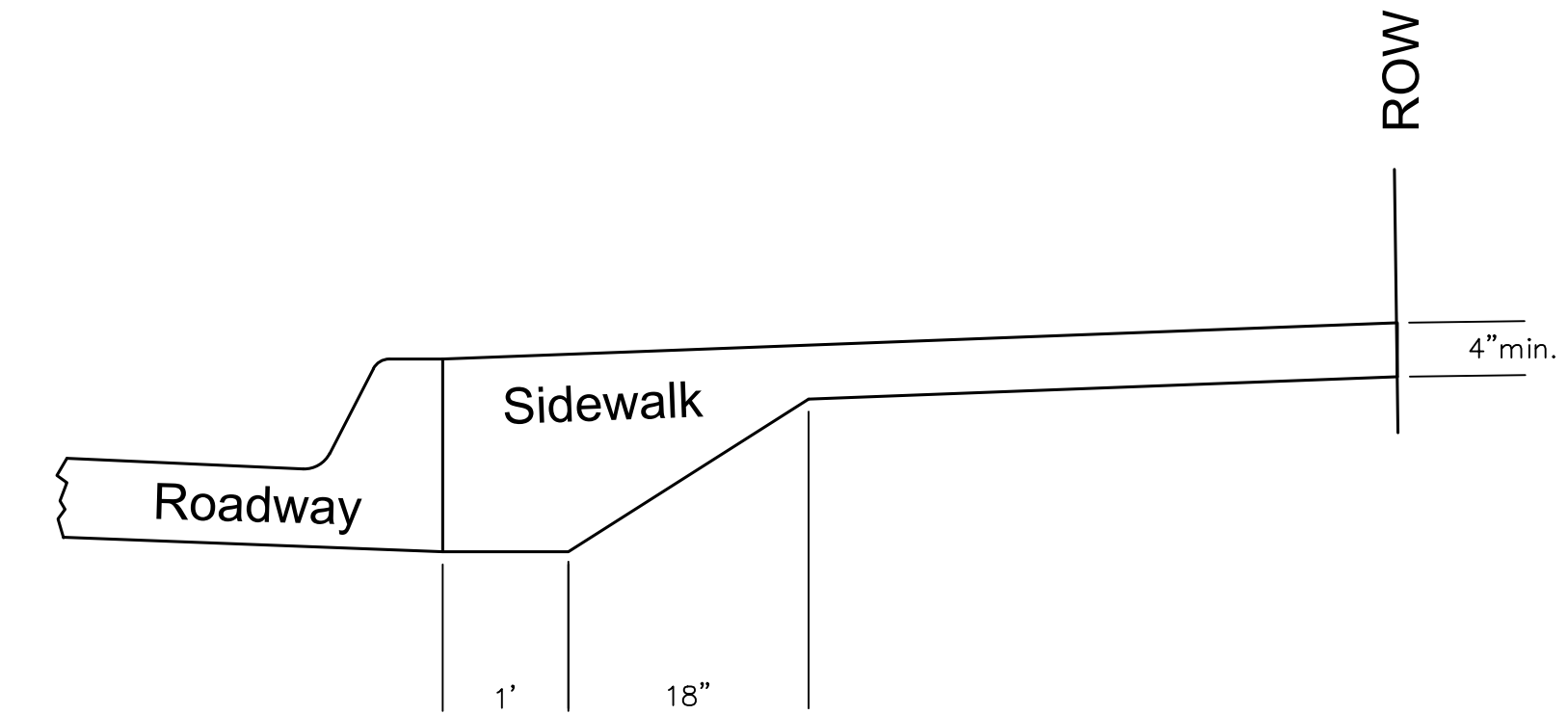
4 HMA PARKING LOT PAVEMENT SECTION
D-1 SCALE: NOT TO SCALE



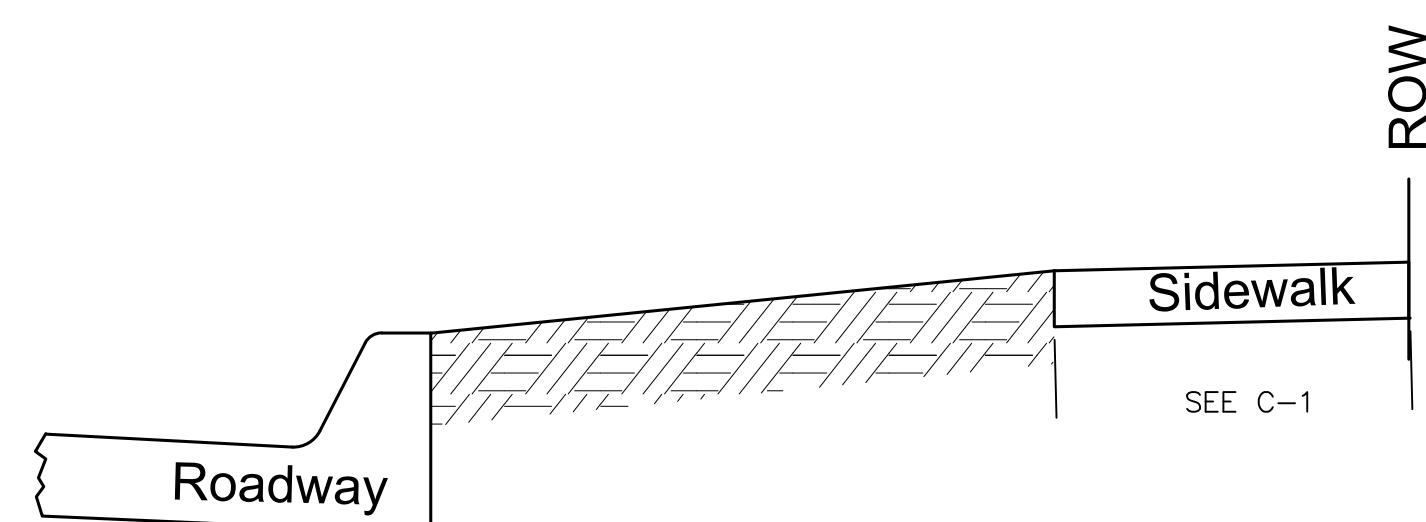
5 SLAB TO STAIR CONNECTION
D-1 SCALE: NOT TO SCALE



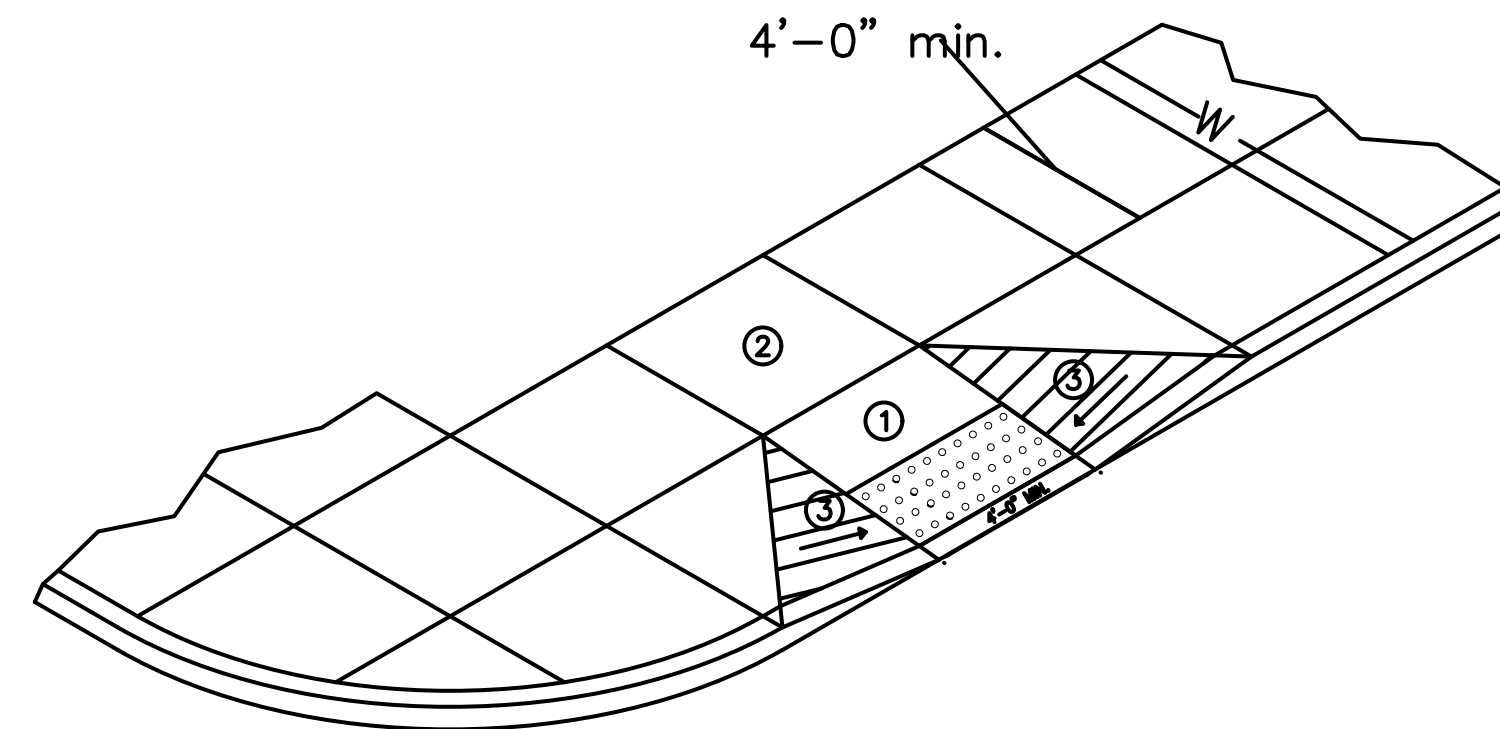
6 LANDING CONNECTION
D-1 SCALE: NOT TO SCALE



7 CLASS A SIDEWALK DETAIL
D-1 SCALE: NOT TO SCALE - SUDAS 7030.201

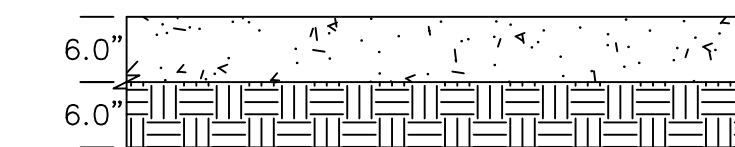


8 CLASS C SIDEWALK
D-1 SCALE: NOT TO SCALE - SUDAS 7030.201



9 ADA CURB RAMP
D-1 SCALE: NOT TO SCALE - SUDAS 7030.206

- ① Perpendicular Curb Ramp: Target running slope of 8.25% with maximum running slope of 8.3%. Match pedestrian street crossing cross slope at back of curb. At mid-block crossings, cross slope may exceed 2.0% to match roadway grade.
- ② Turning Space: Target slope of 1.5%, with a maximum slope perpendicular to the travel directions of 2.0%. At mid-block crossings, cross slope of landing may exceed 2.0% to match roadway grade. Minimum 4 feet by 4 feet.
- ③ Flare (10:1 max.) required if ramp is contiguous with sidewalk.



10 STANDARD SIDEWALK SECTION
D-1 SCALE: NOT TO SCALE

PROJECT: CEE: 4850
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4105 SEAMANS CENTER FOR THE
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103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iow.edu

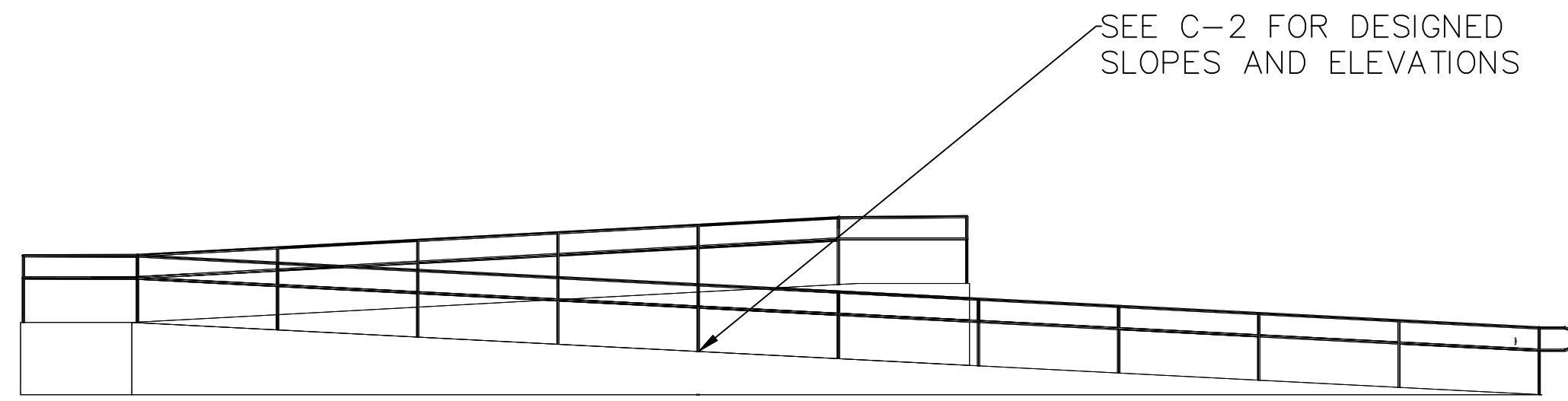
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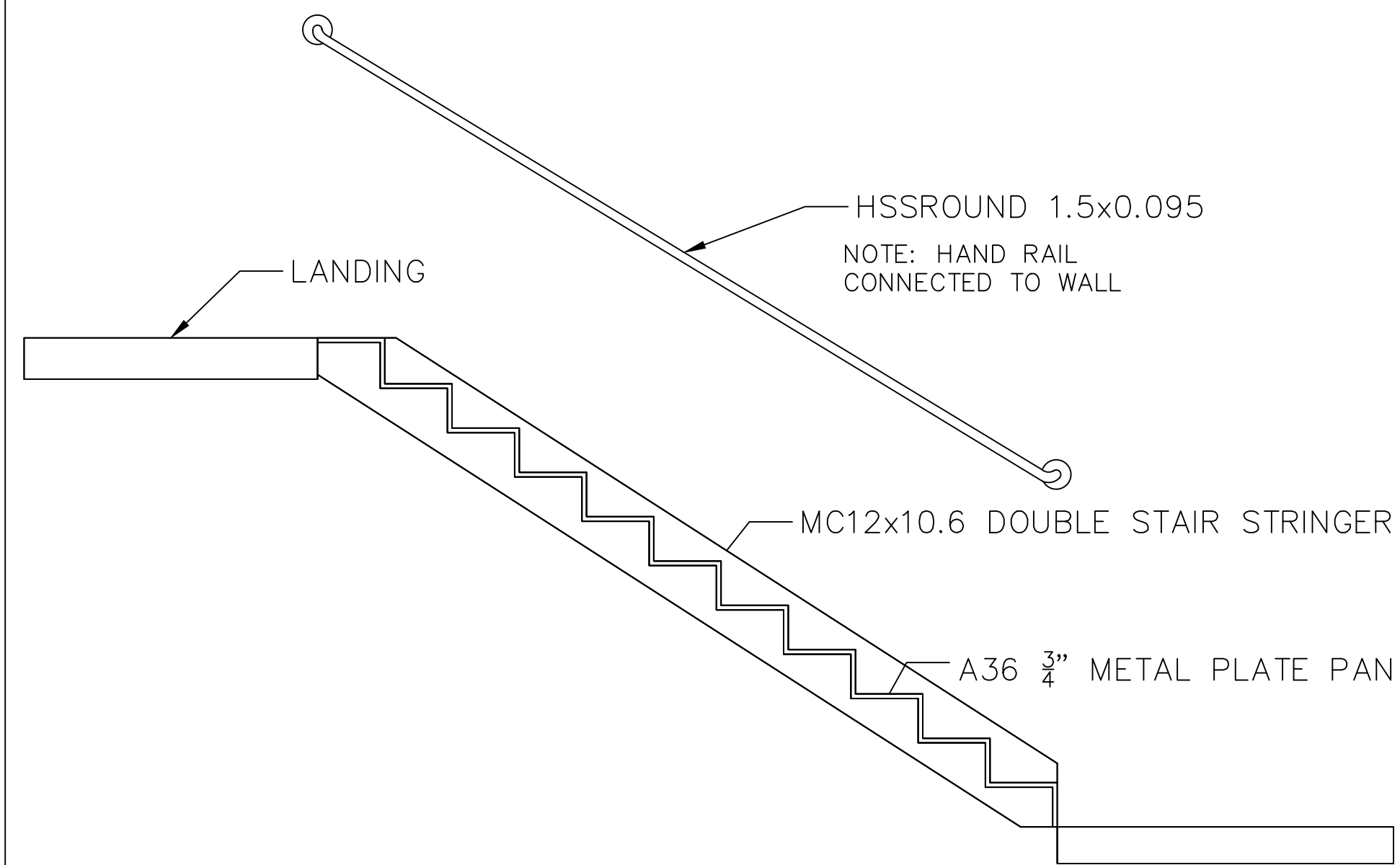
**Clinton YMCA Renovation
and New Construction**
274 5th Ave. S
Clinton, IA

SHEET NAME
Standard Details

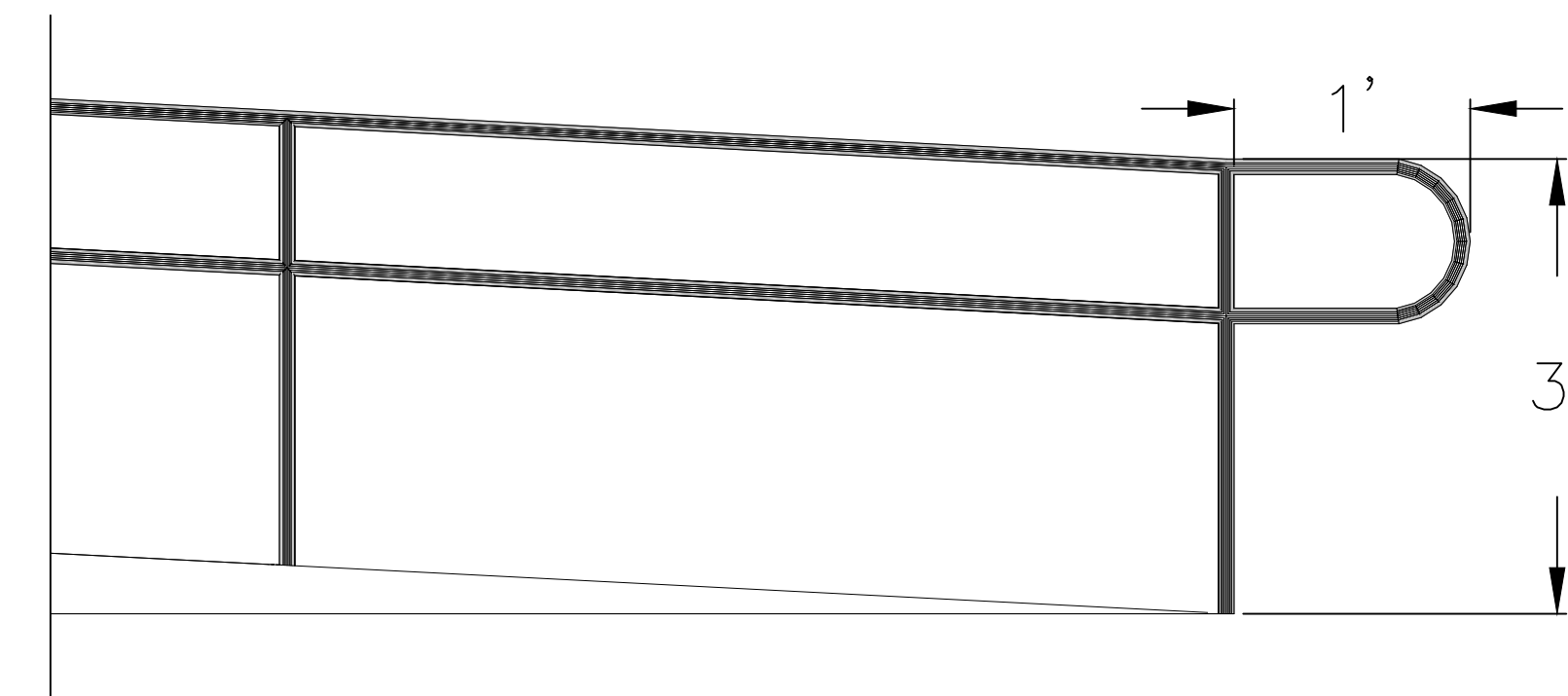
SHEET NO.
D-1



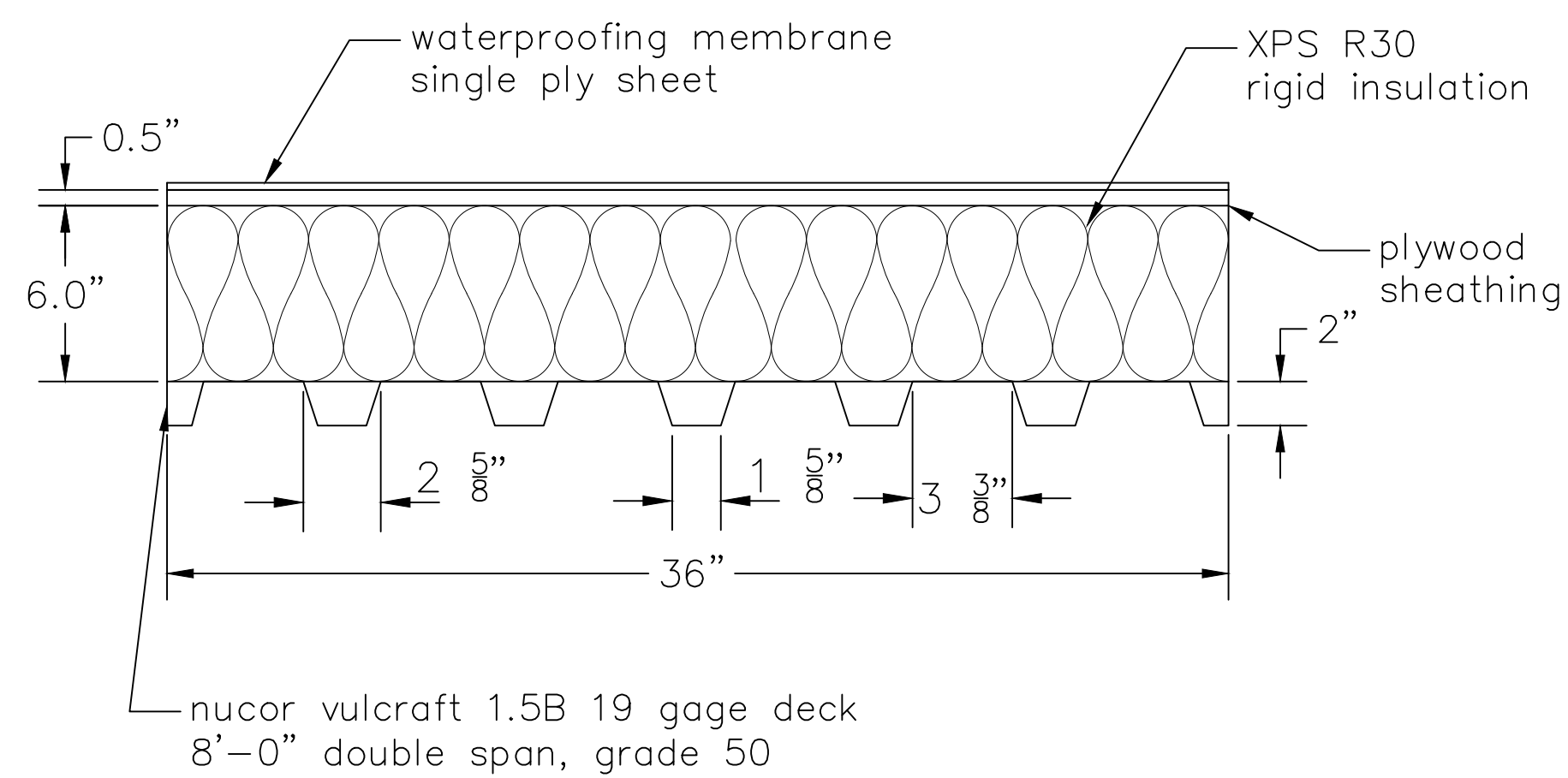
1 ADA EXTERIOR RAMP DETAIL
D-2 SCALE: NOT TO SCALE



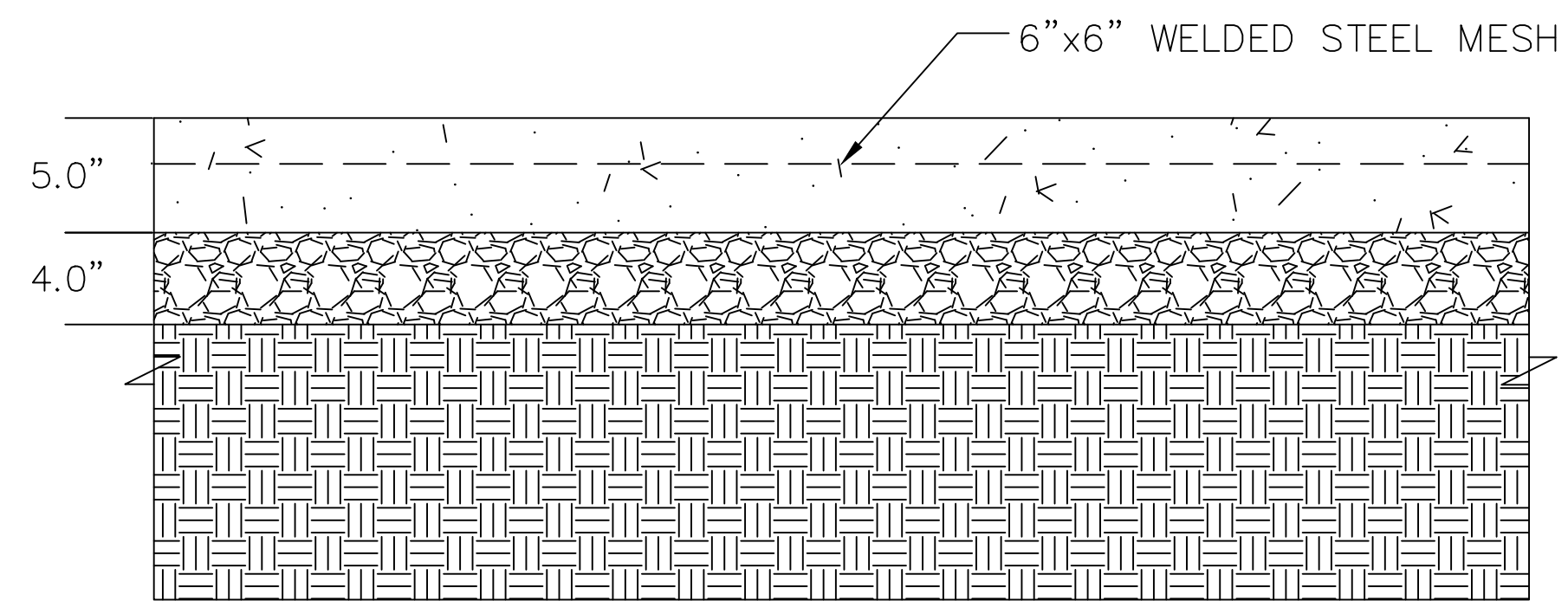
2 STANDARD STAIR SECTION
D-2 SCALE: NOT TO SCALE



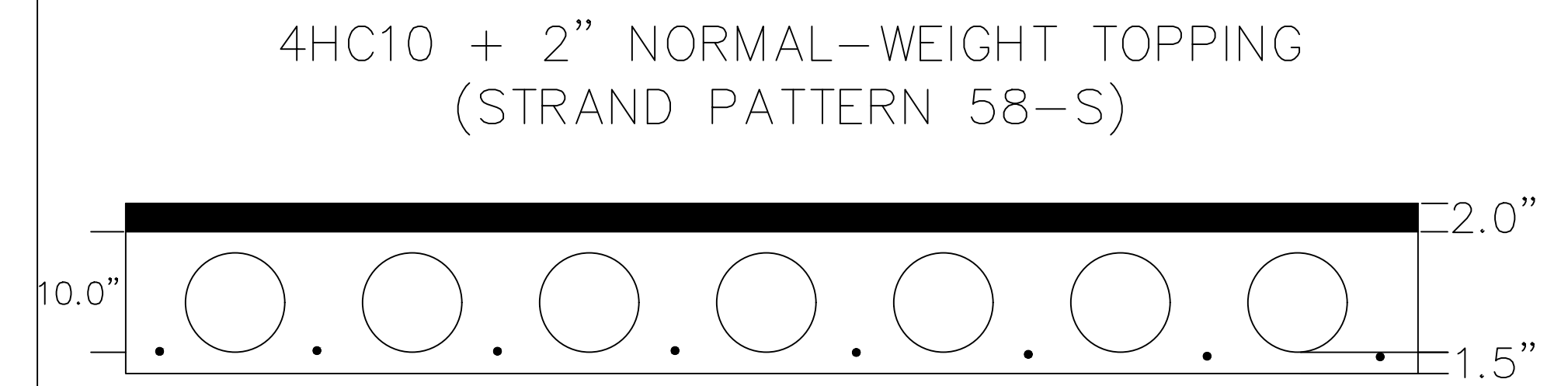
3 EXTERIOR ADA HANDRAIL DETAIL
D-2 SCALE: NOT TO SCALE



4 DECK AND ROOF: PROFILE VIEW
D-2 SCALE: NOT TO SCALE



5 RESTAURANT FLOOR SLAB SECTION
D-2 SCALE: NOT TO SCALE



6 RESTAURANT FLOOR SLAB OVER BASEMENT SECTION
D-2 SCALE: NOT TO SCALE

PROJECT: CEE: 4850
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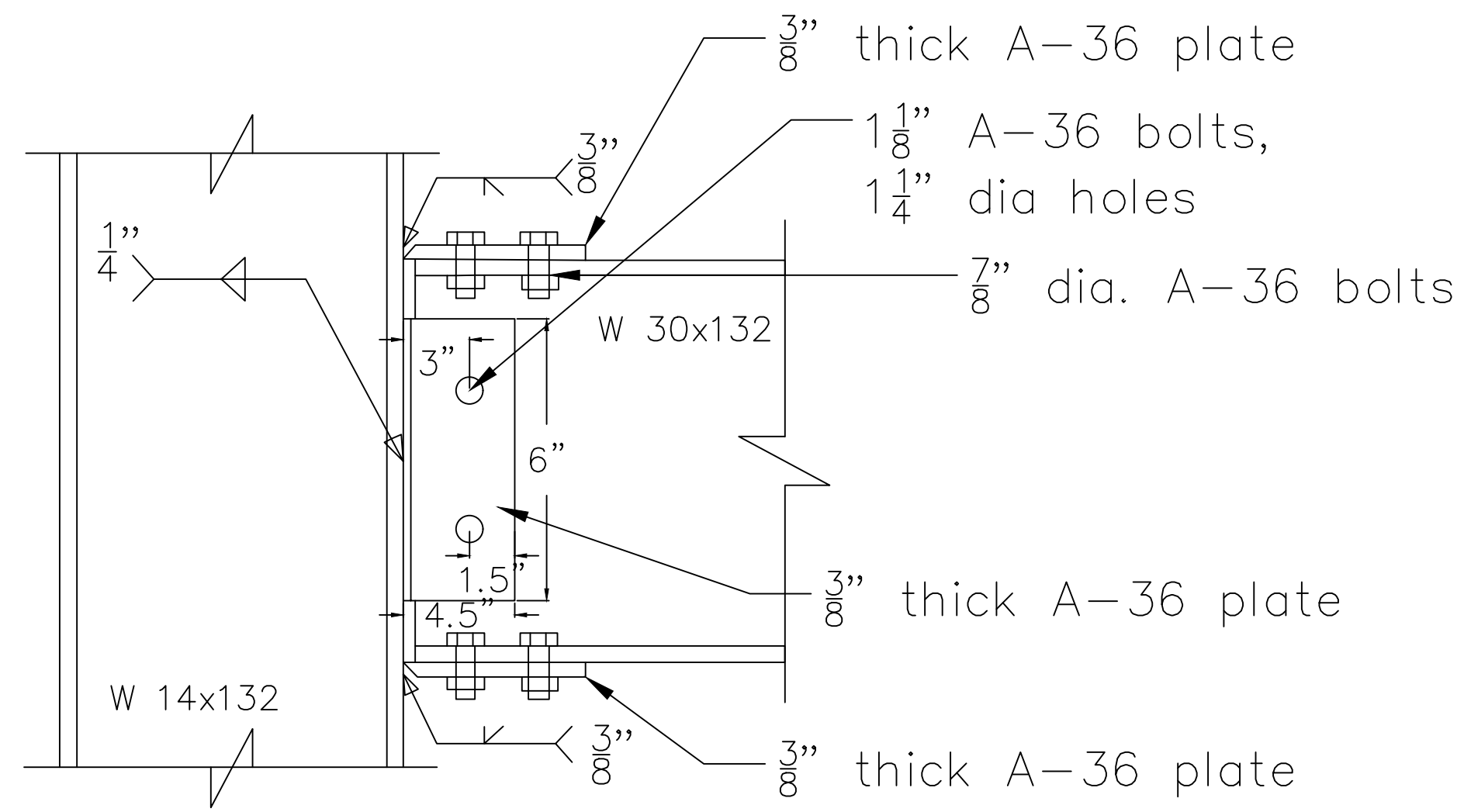
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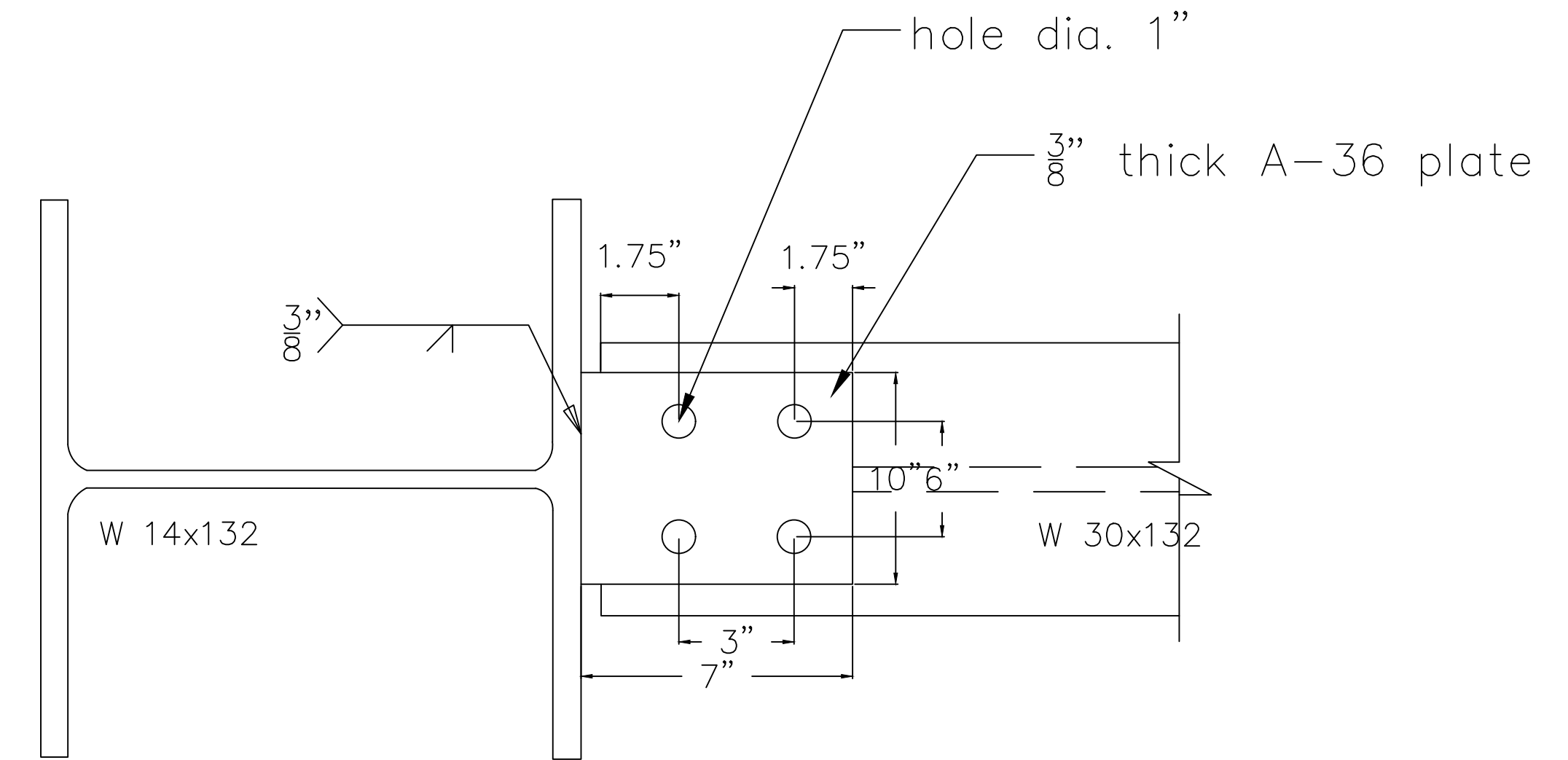
**Clinton YMCA Renovation
and New Construction**
274 5th Ave. S
Clinton, IA

SHEET NAME
Standard Details

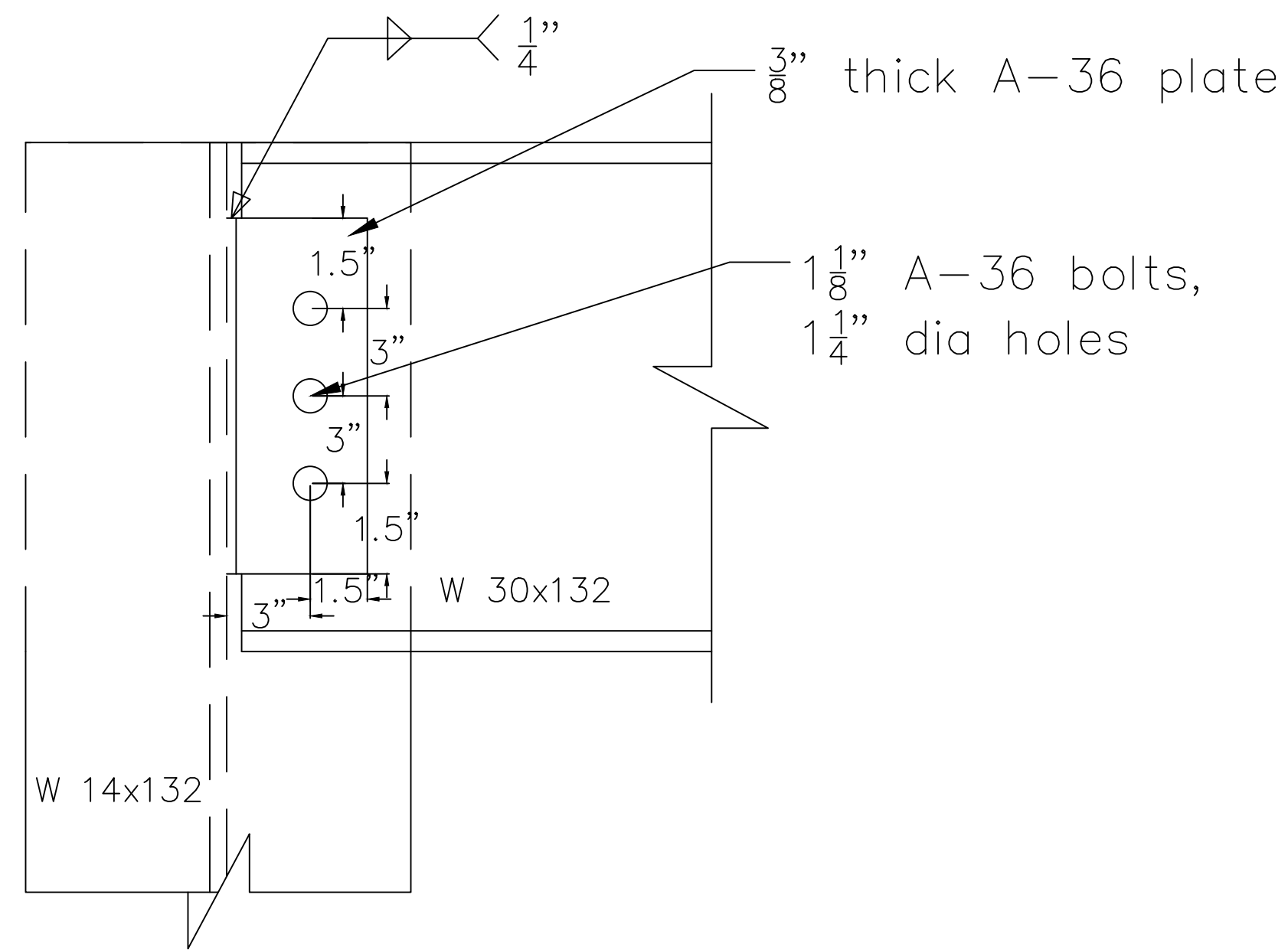
SHEET NO.
D-2



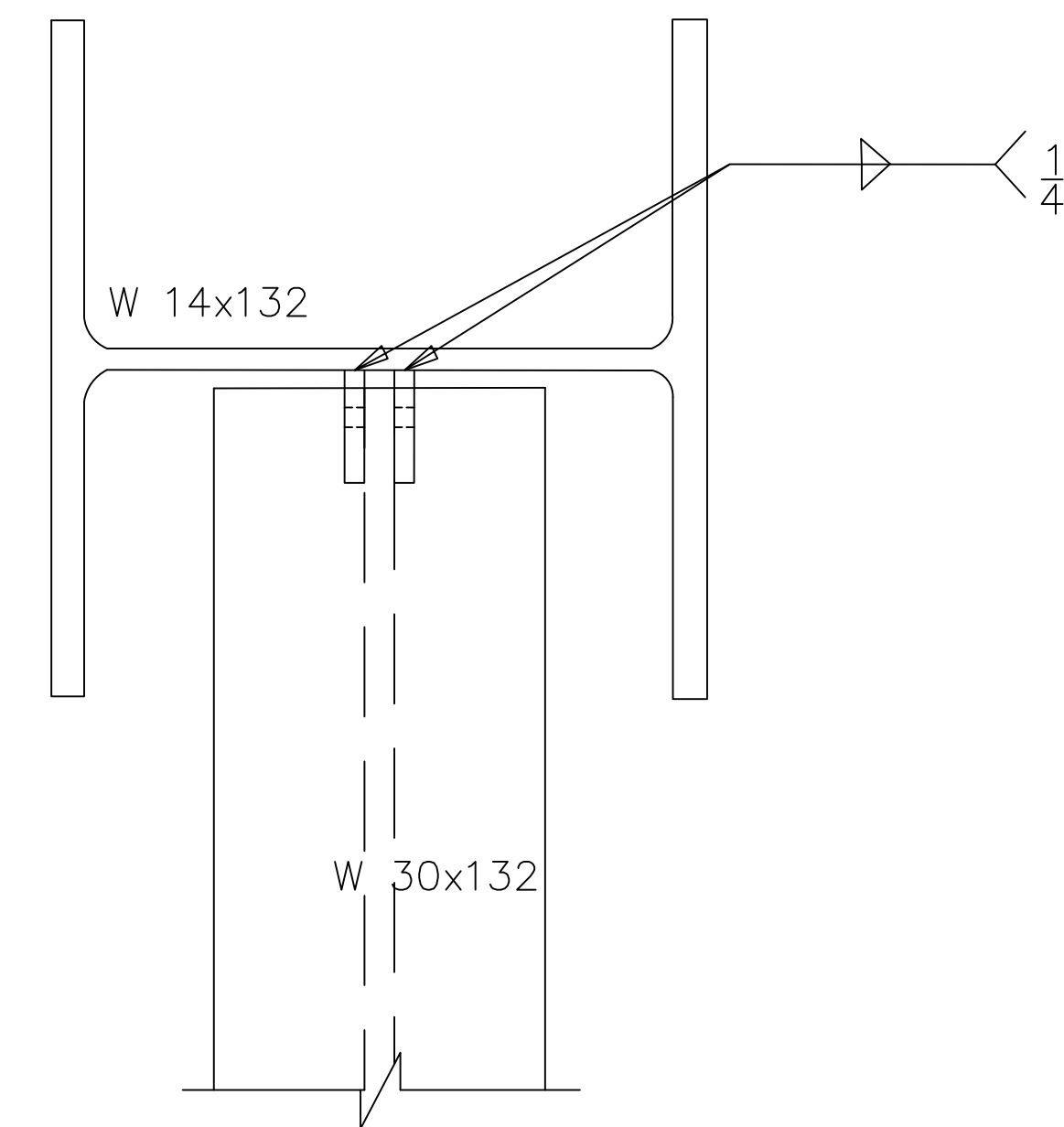
1 MOMENT FRAME CONNECTION : PROFILE VIEW
D-3 SCALE: NOT TO SCALE



2 MOMENT FRAME CONNECTION : PLAN VIEW
D-3 SCALE: NOT TO SCALE



3 SHEAR CONNECTION : PROFILE VIEW
D-3 SCALE: NOT TO SCALE



4 SHEAR CONNECTION : PLAN VIEW
D-3 SCALE: NOT TO SCALE

PROJECT: CEE: 4850
DATE: 04/08/2022
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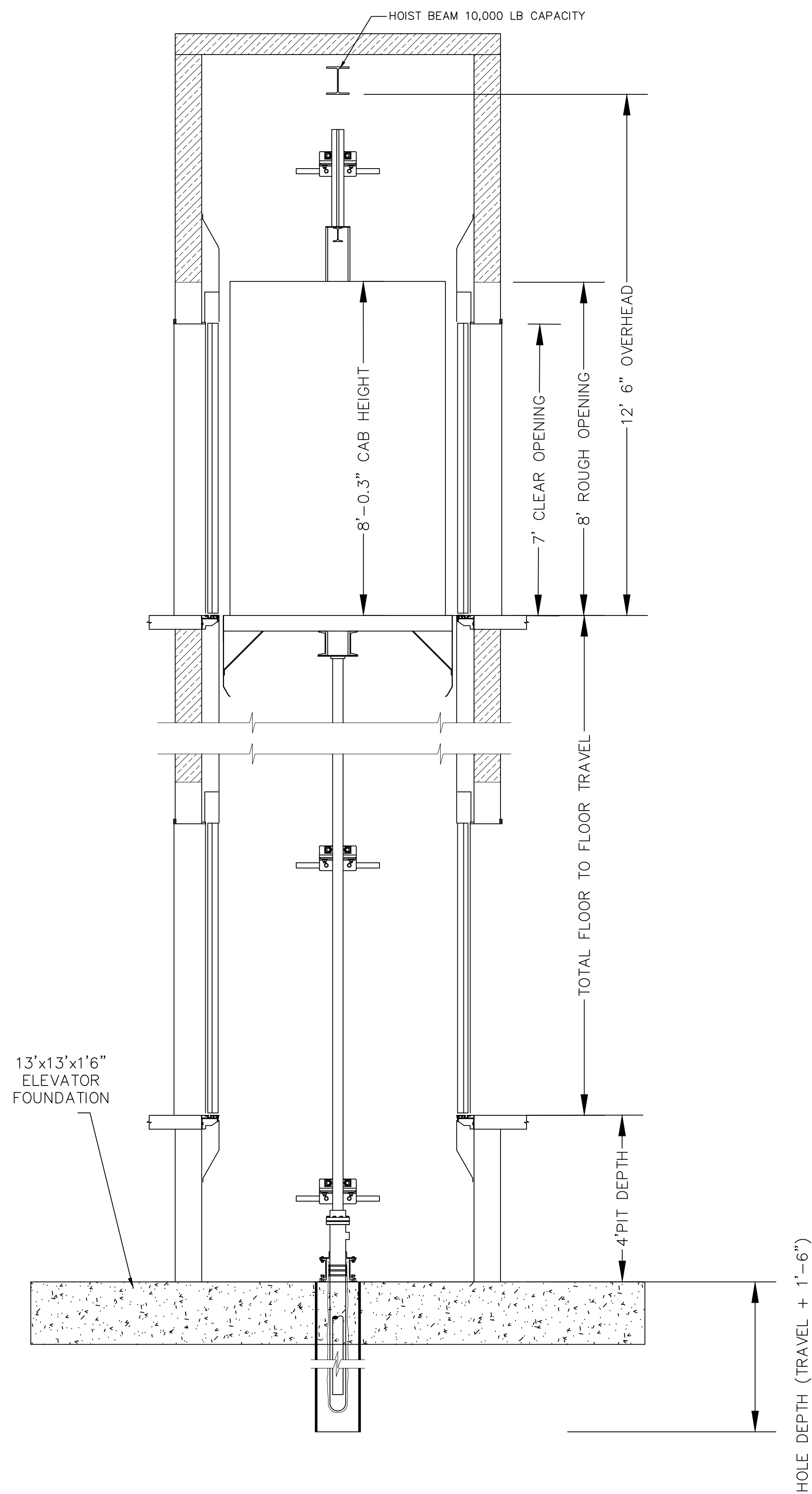
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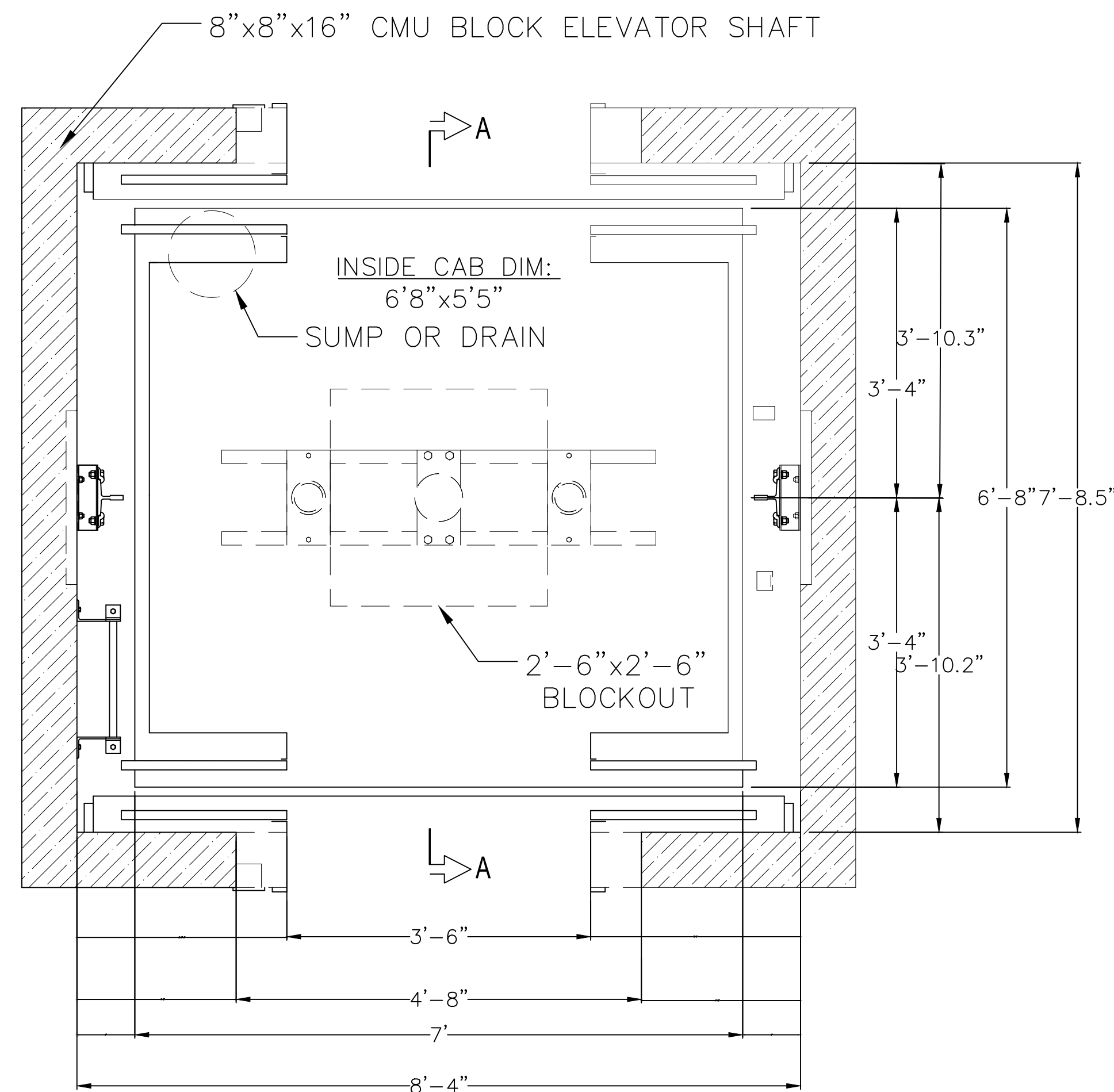
**Clinton YMCA Renovation
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274 5th Ave. S
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SHEET NAME
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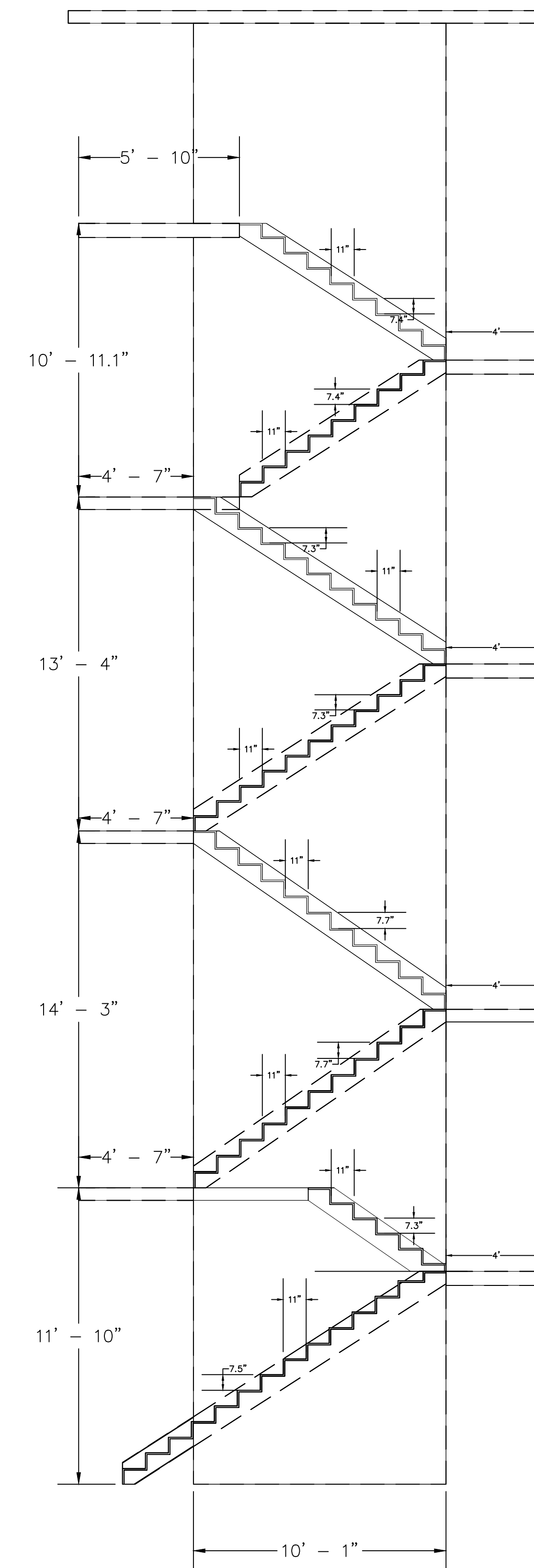
SHEET NO.
D-3



1 ELEVATOR SHAFT: PROFILE VIEW
D-4 SCALE: NOT TO SCALE



2 ELEVATOR CENTER PARTING HOISTWAY PLAN
D-4 SCALE: NOT TO SCALE



3 APARTMENT STAIRWELL CROSS SECTION
D-4 SCALE: NOT TO SCALE

PROJECT: CEE: 4850
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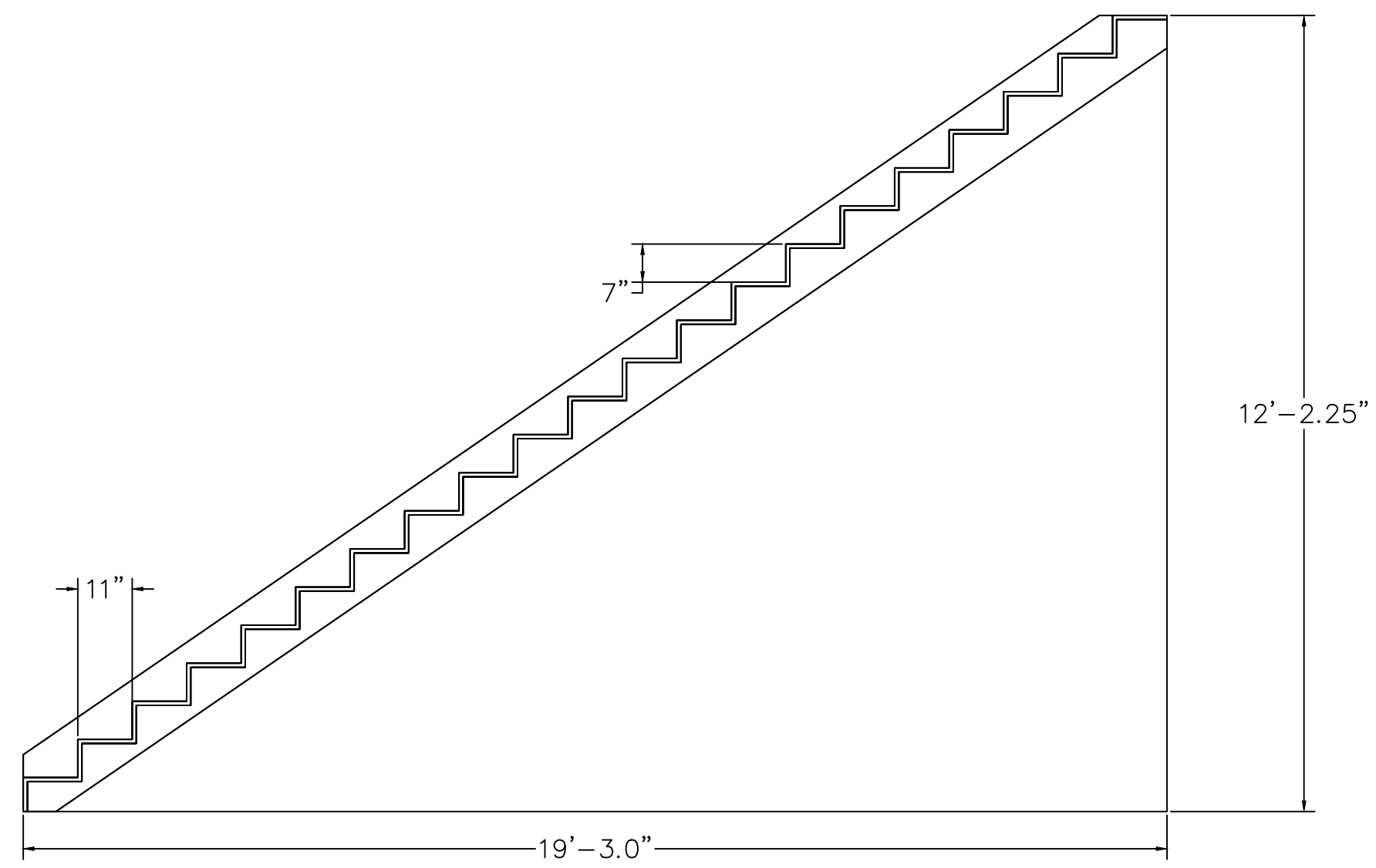
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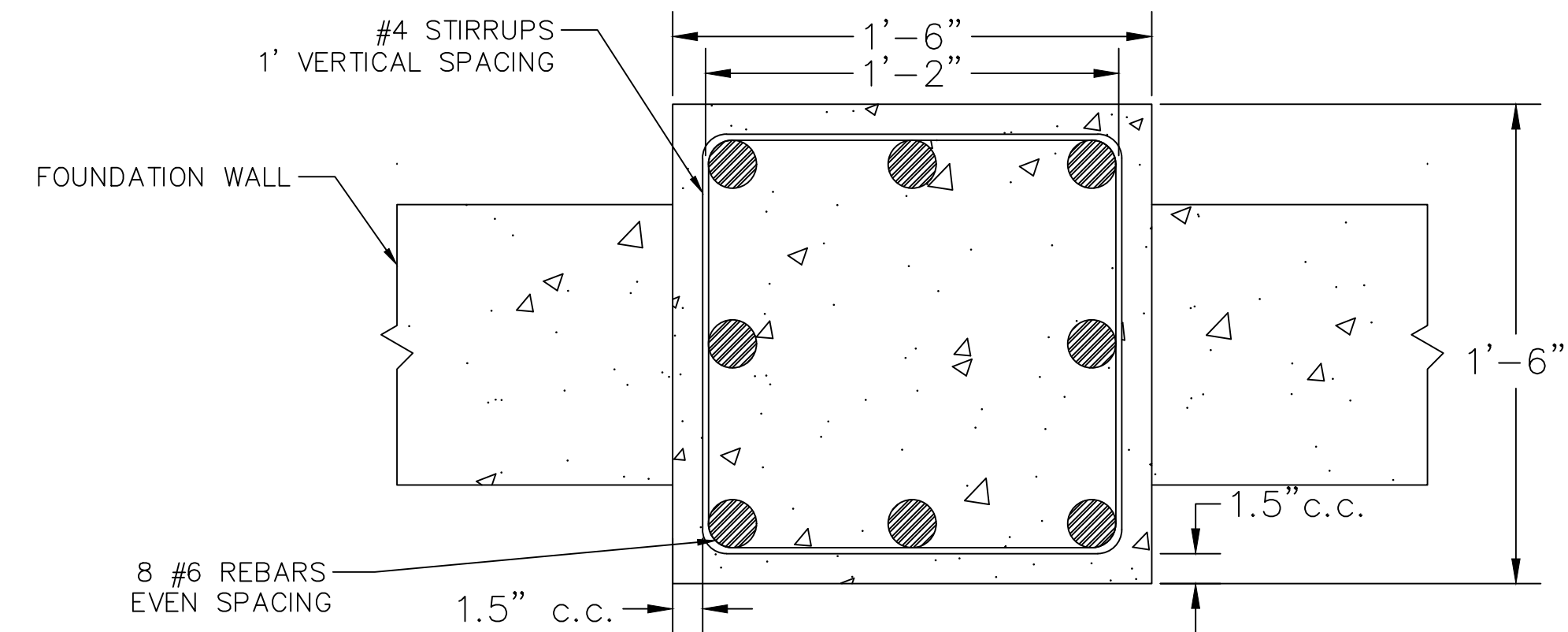
**Clinton YMCA Renovation
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274 5th Ave. S
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SHEET NAME
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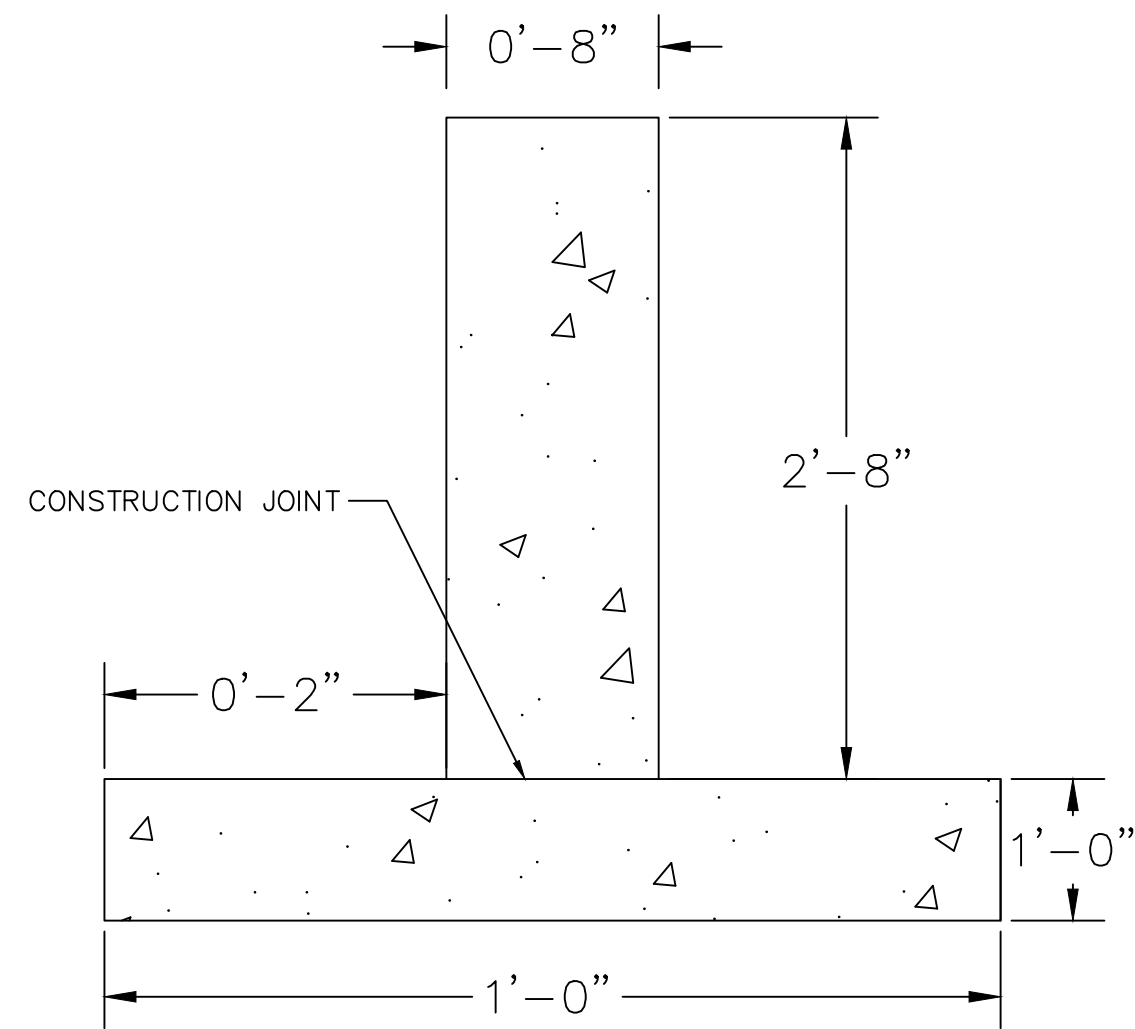
SHEET NO.
D-4



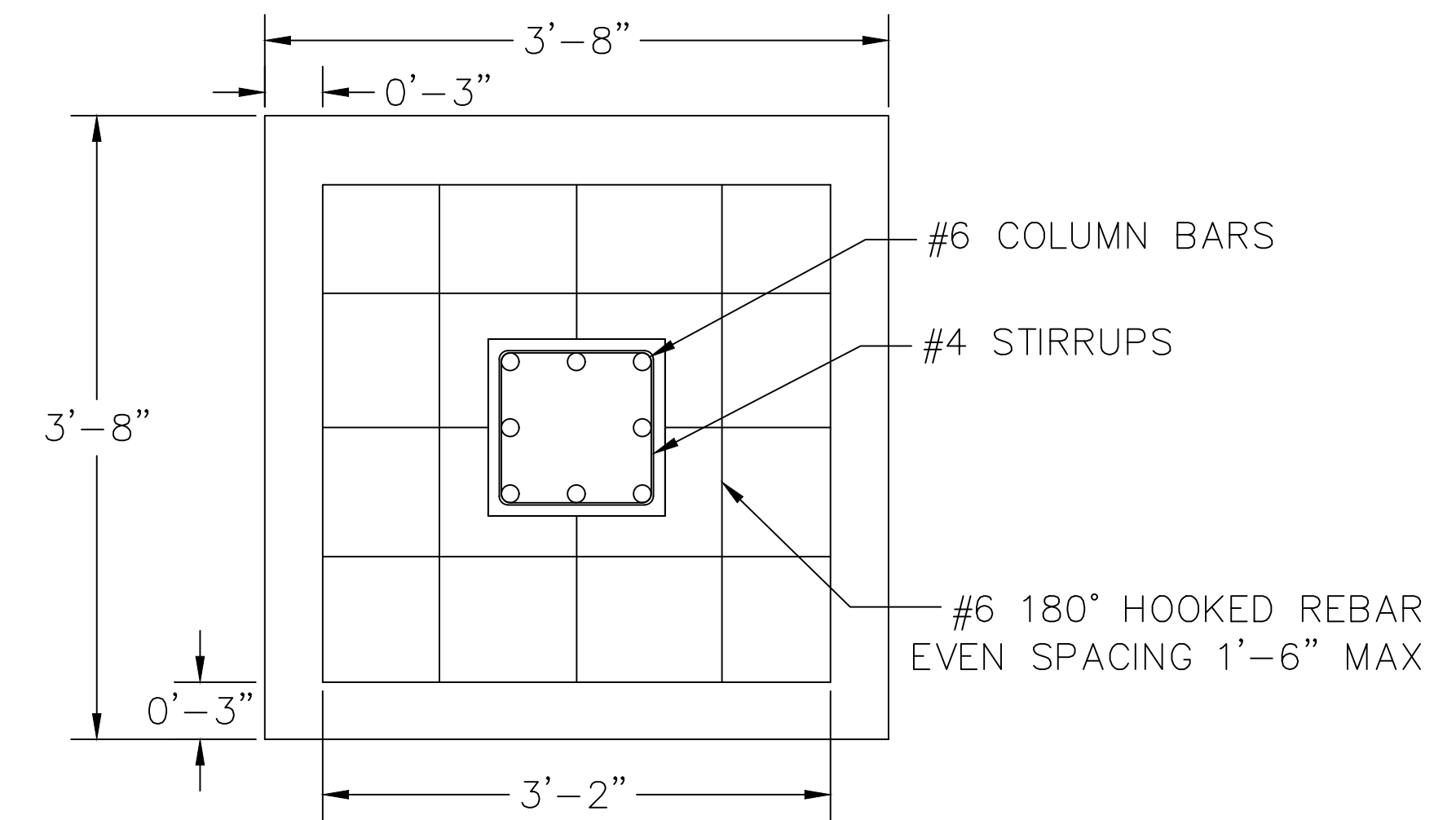
1 RESTAURANT STAIRWELL CROSS SECTION
D-5 SCALE: NOT TO SCALE



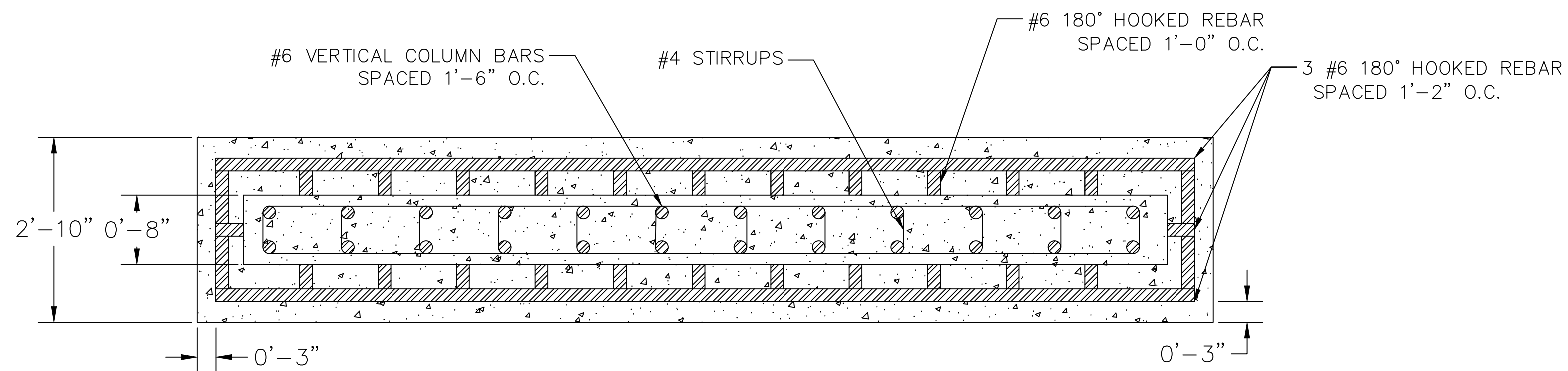
2 18"x18" PILASTER COLUMN EMBEDDED IN FOUNDATION WALL: PROFILE VIEW
D-5 SCALE: NOT TO SCALE



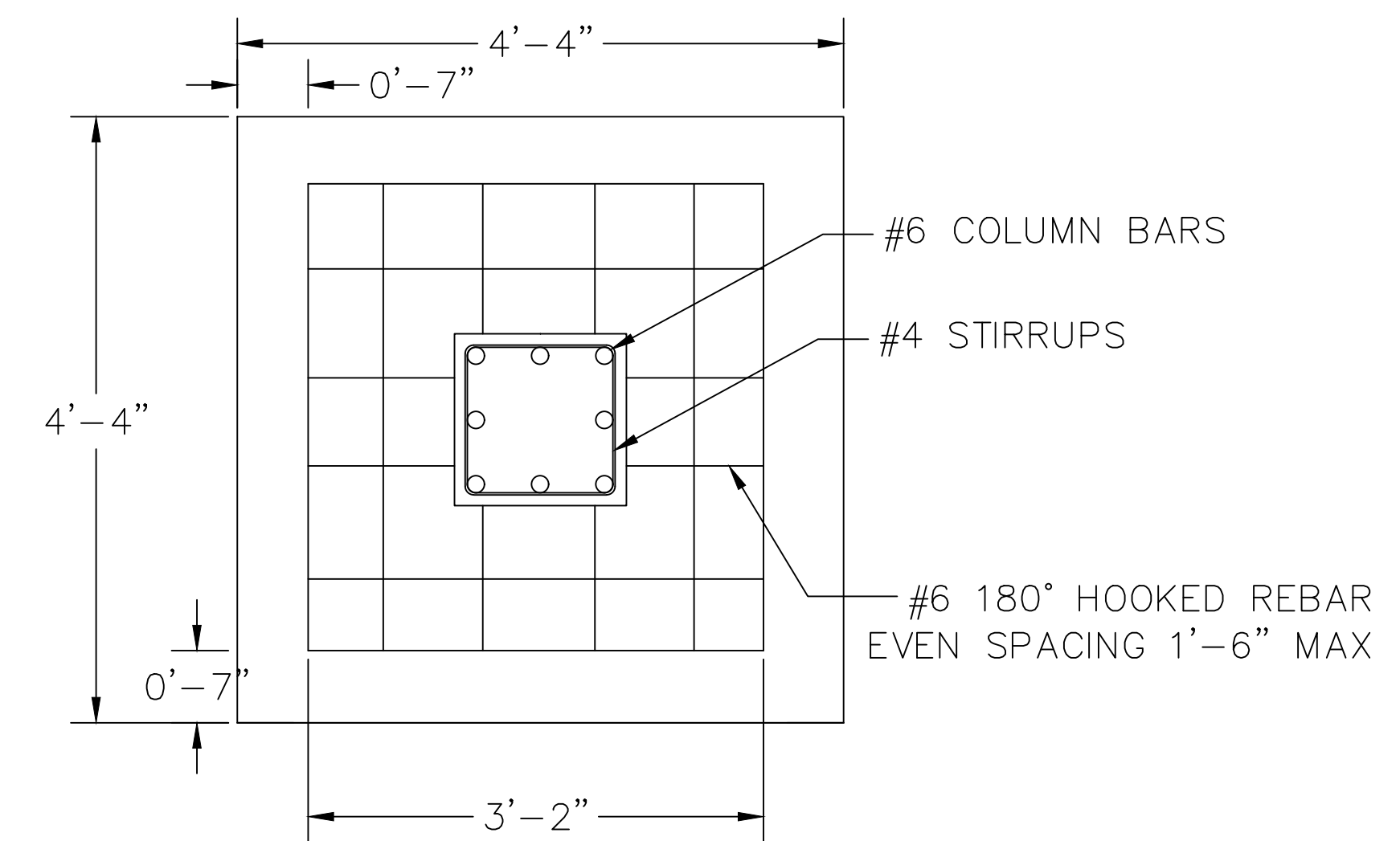
3 12"x12" TYPICAL FROST WALL AND FOUNDATION (VARIABLE LENGTH): PROFILE VIEW
D-5 SCALE: NOT TO SCALE



4 44"x44" SQUARE FOOTING: PLAN VIEW
D-5 SCALE: NOT TO SCALE



5 34"x20" TYPICAL BASEMENT FOUNDATION (VARIABLE LENGTH): PLAN VIEW
D-5 SCALE: NOT TO SCALE



6 52"x52" SQUARE FOOTING: PLAN VIEW
D-5 SCALE: NOT TO SCALE

PROJECT: CEE: 4850
DATE: 04/08/2022
DRAWN BY: TD Thornburgh
REVISION:

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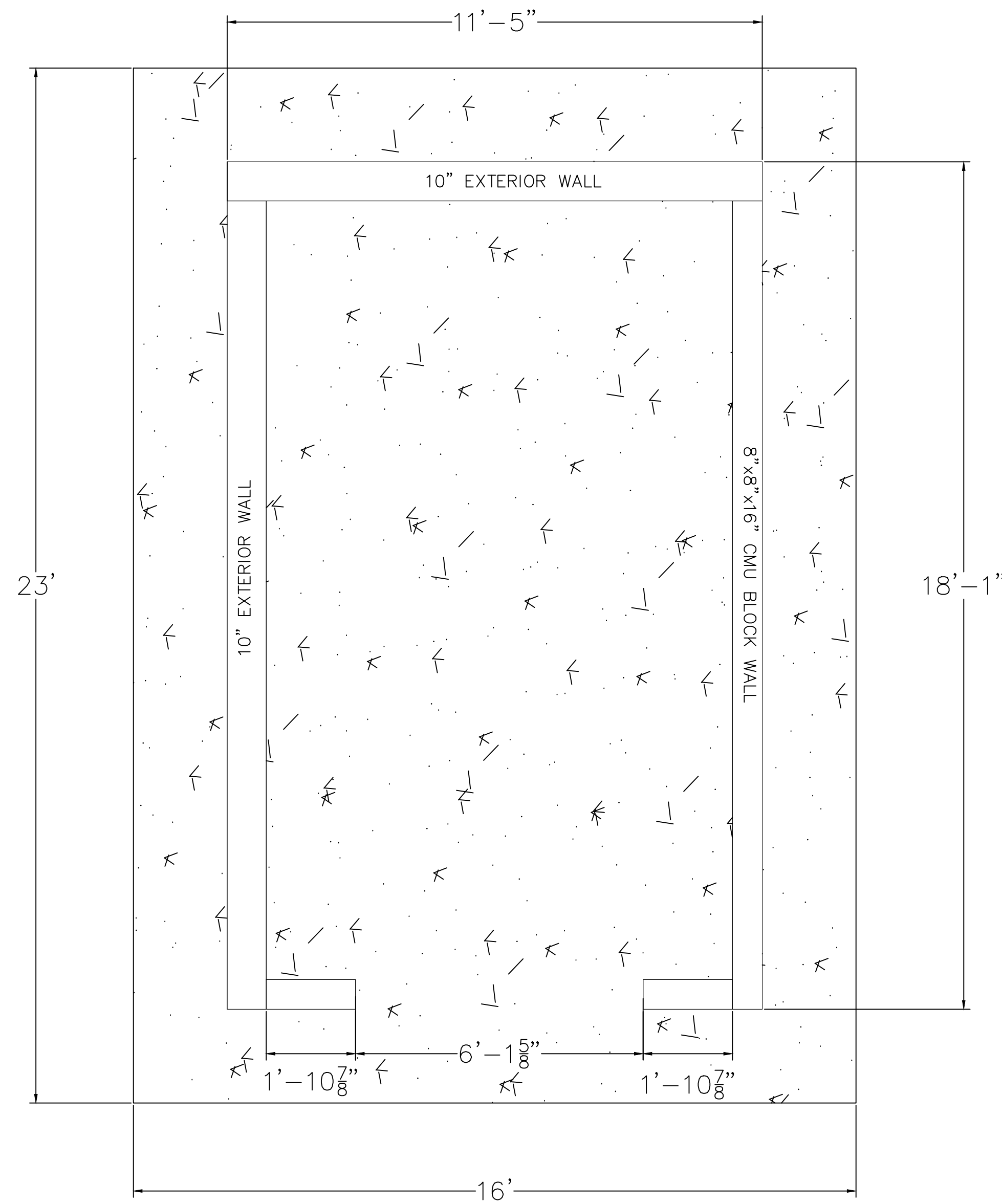
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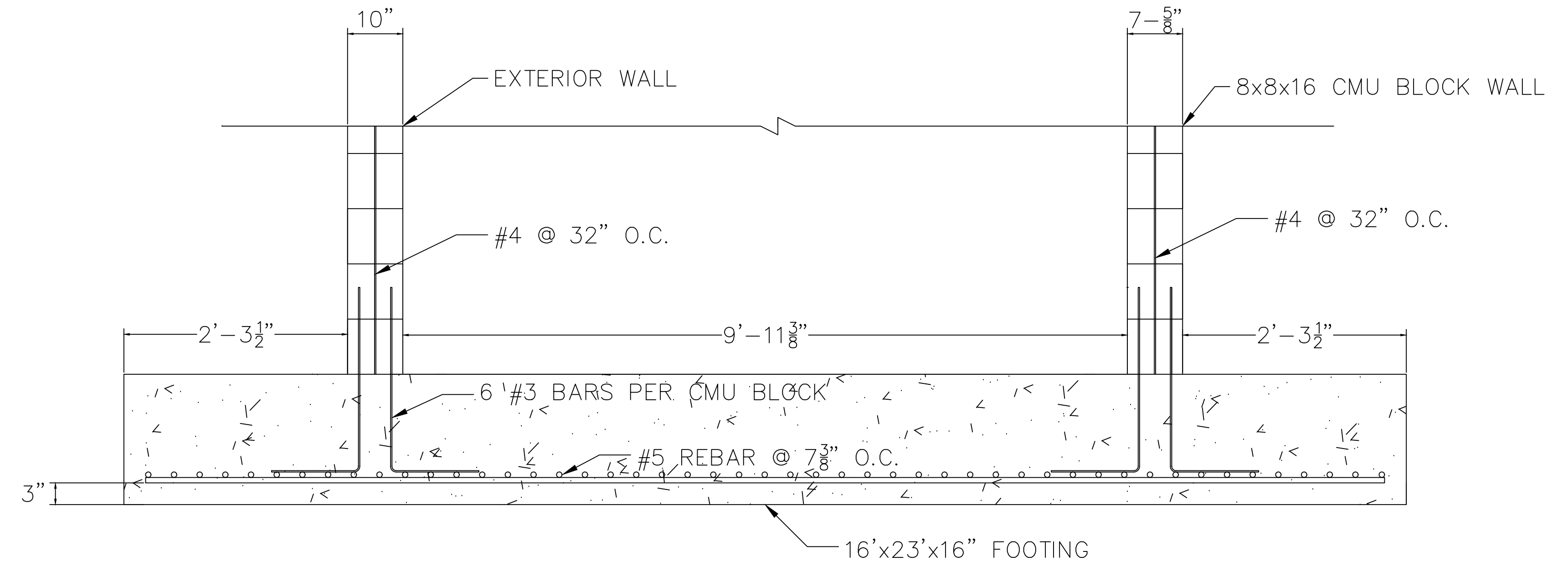
Clinton YMCA Renovation
and New Construction
274 5th Ave. S
Clinton, IA

SHEET NAME
Standard Details

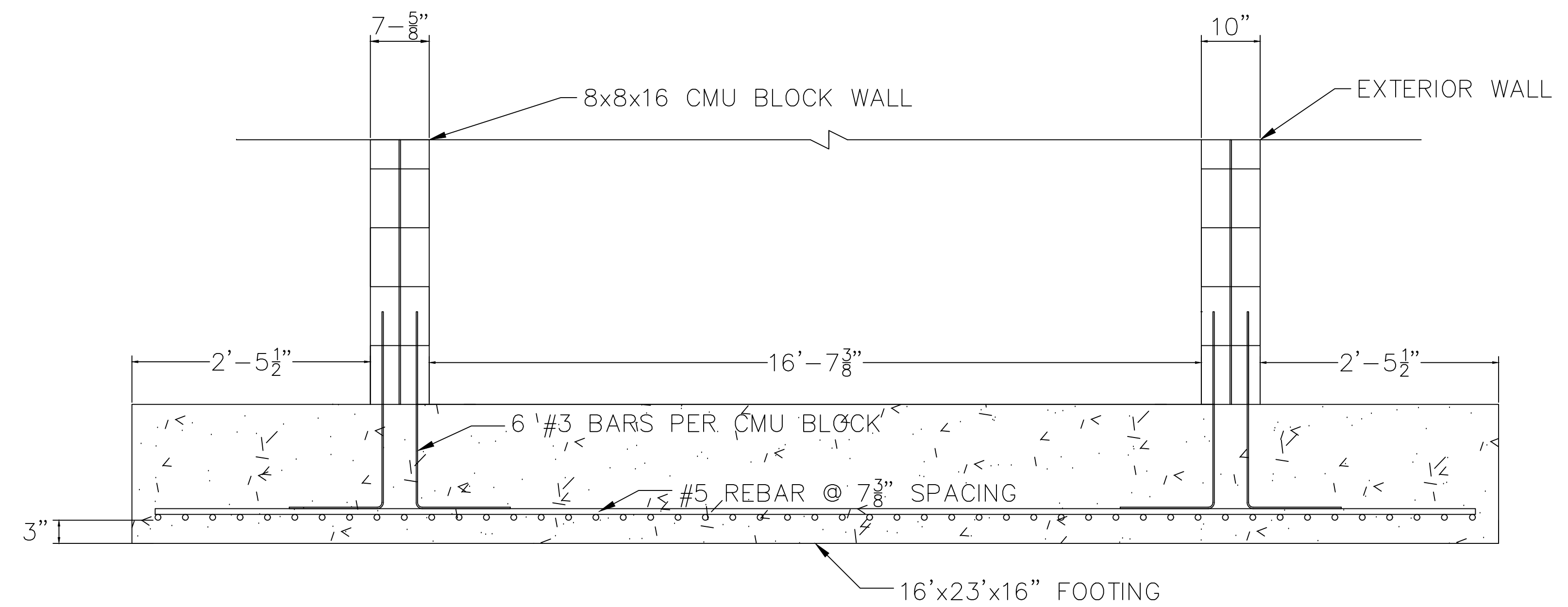
SHEET NO.
D-5



1 STAIRWELL FOOTING PLAN VIEW
D-6 SCALE: NOT TO SCALE



2 STAIRWELL FOOTING N-S SECTION VIEW
D-6 SCALE: NOT TO SCALE



3 STAIRWELL FOOTING E-W SECTION VIEW
D-6 SCALE: NOT TO SCALE

PROJECT: CEE: 4850
DATE: 04/08/2022
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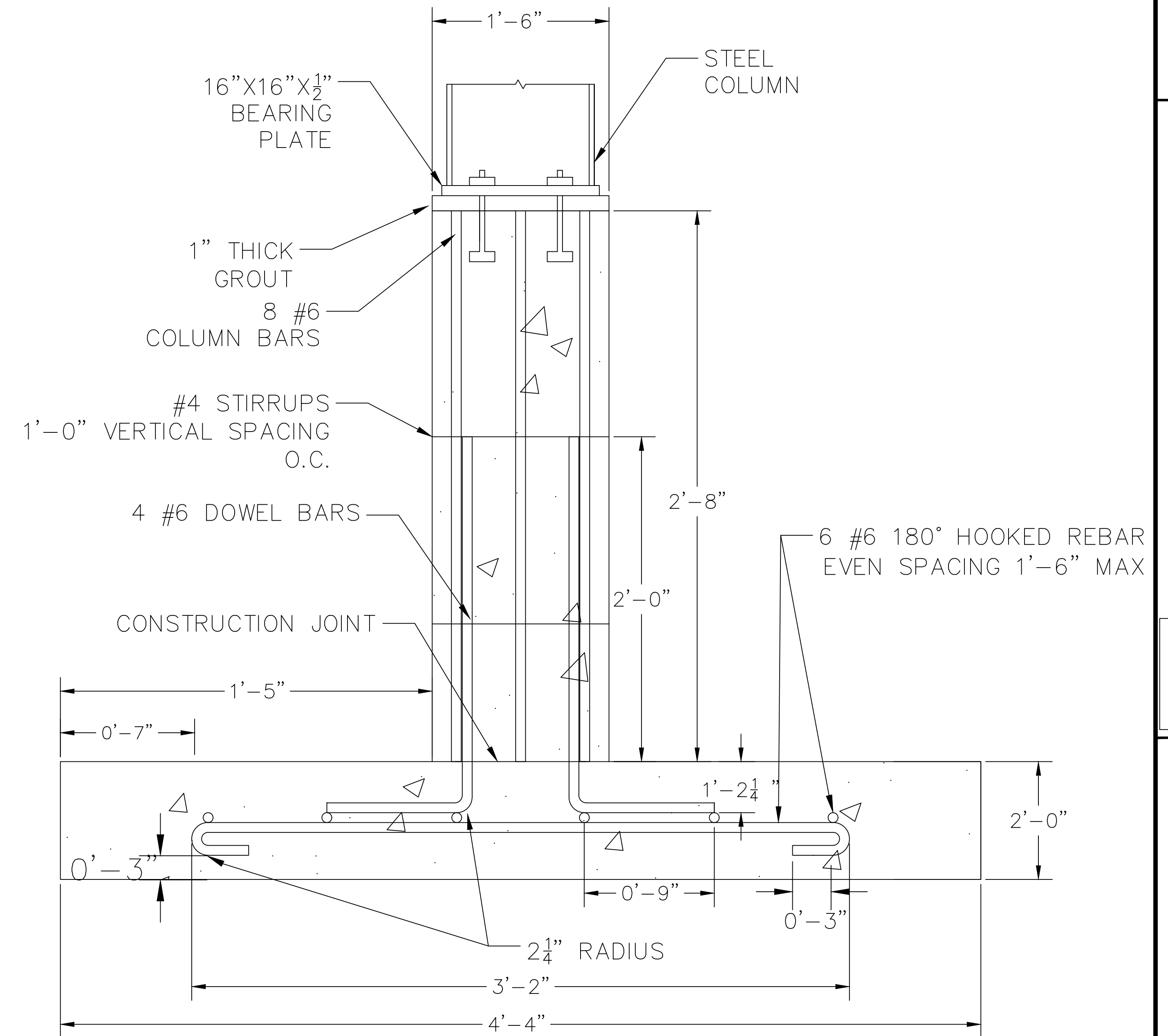
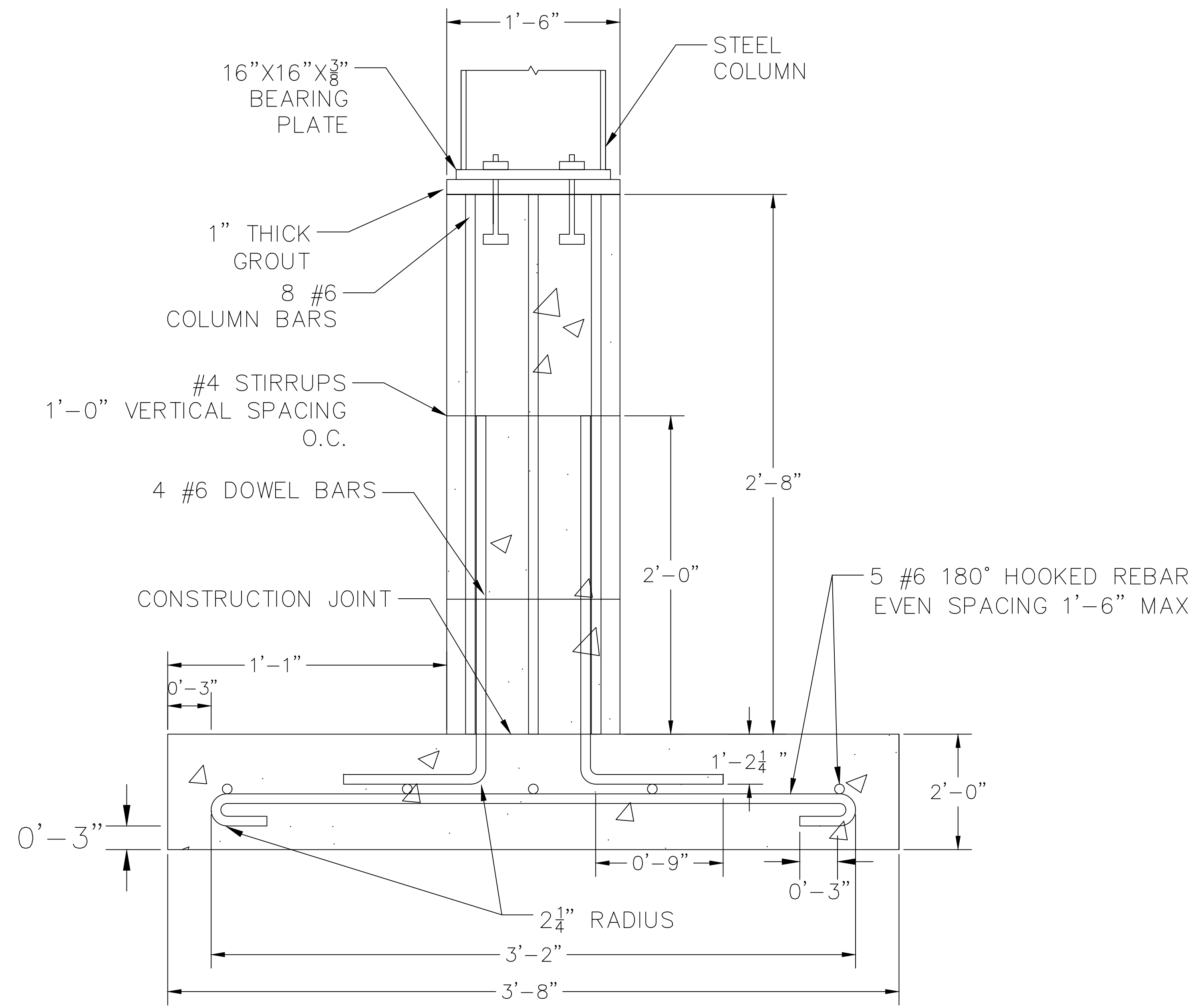
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**Clinton YMCA Renovation
and New Construction**
274 5th Ave. S
Clinton, IA

SHEET NAME
Standard Details

SHEET NO.
D-6



1
D-7

44" X 44" X 24" SQUARE FOOTING: PROFILE VIEW
SCALE: NOT TO SCALE

2
D-7

52" X 52" X 24" SQUARE FOOTING: PROFILE VIEW
SCALE: NOT TO SCALE

PROJECT: CEE: 4850
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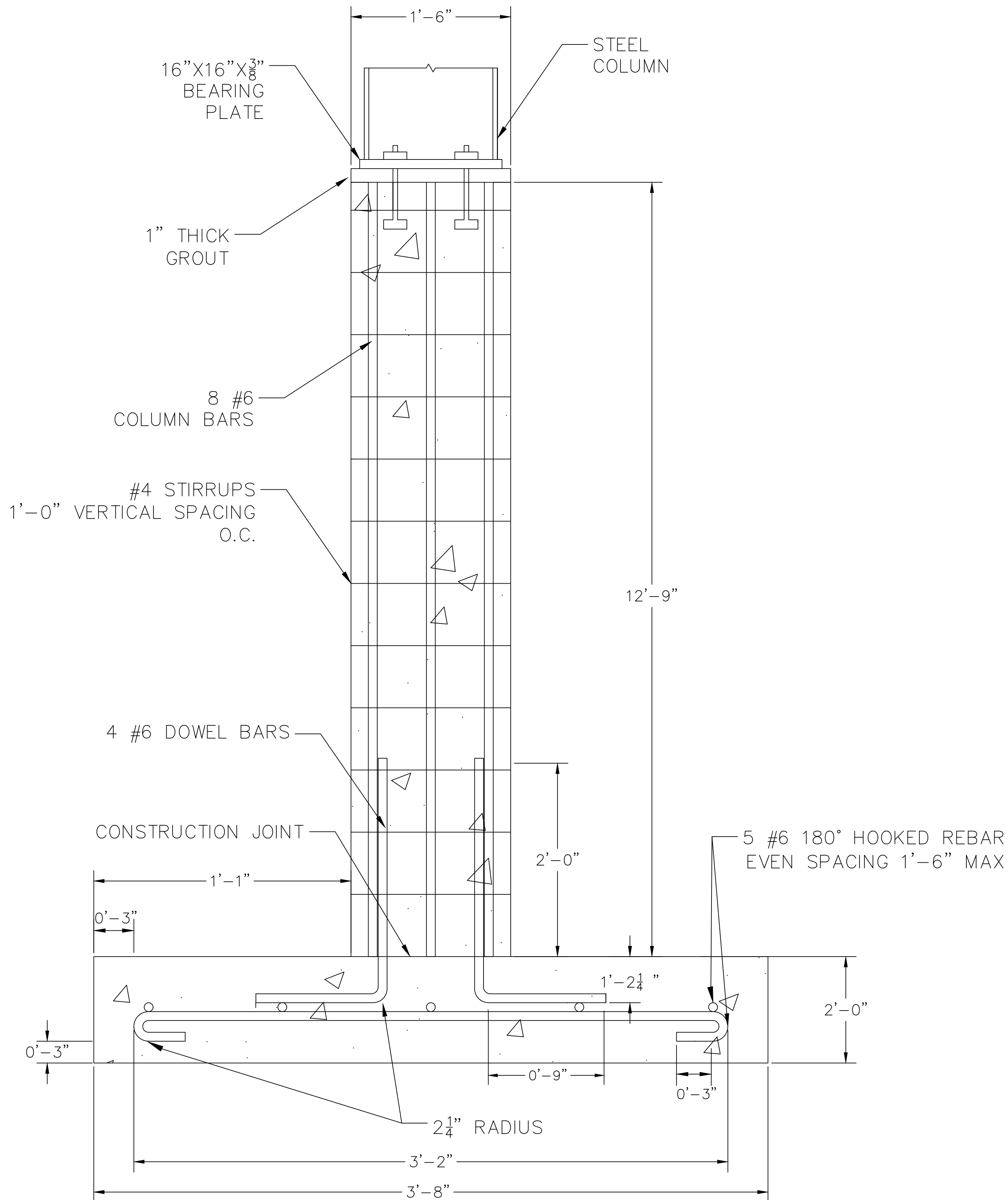
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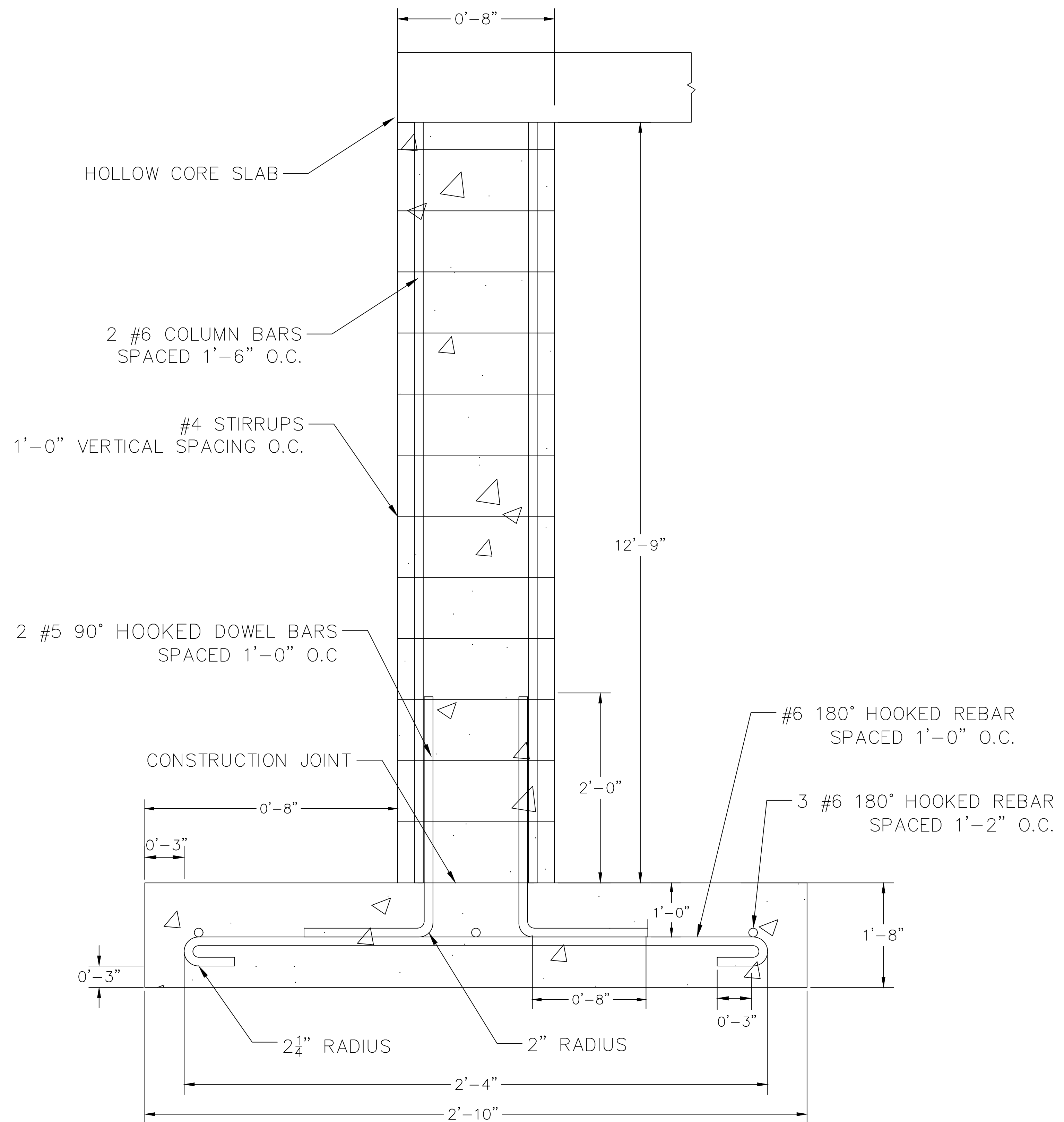
Clinton YMCA Renovation
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274 5th Ave. S
Clinton, IA

SHEET NAME
Standard Details

SHEET NO.
D-7



1
D-8 44"X44"X24" SQUARE FOOTING: PROFILE VIEW
SCALE: NOT TO SCALE



2
D-8 34"X20" TYPICAL BASEMENT FOUNDATION (VARIABLE LENGTH): PROFILE VIEW
SCALE: NOT TO SCALE

PROJECT: CEE: 4850
DATE: 04/08/2022
DRAWN BY: TD Thornburgh
REVISION:

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
4105 SEAMANS CENTER FOR THE
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103 S CAPITOL ST
IOWA CITY, IOWA 52242
PHONE: 319.335.5647
FAX: 319.335.5660
EMAIL: civil-hawks@iowas.edu

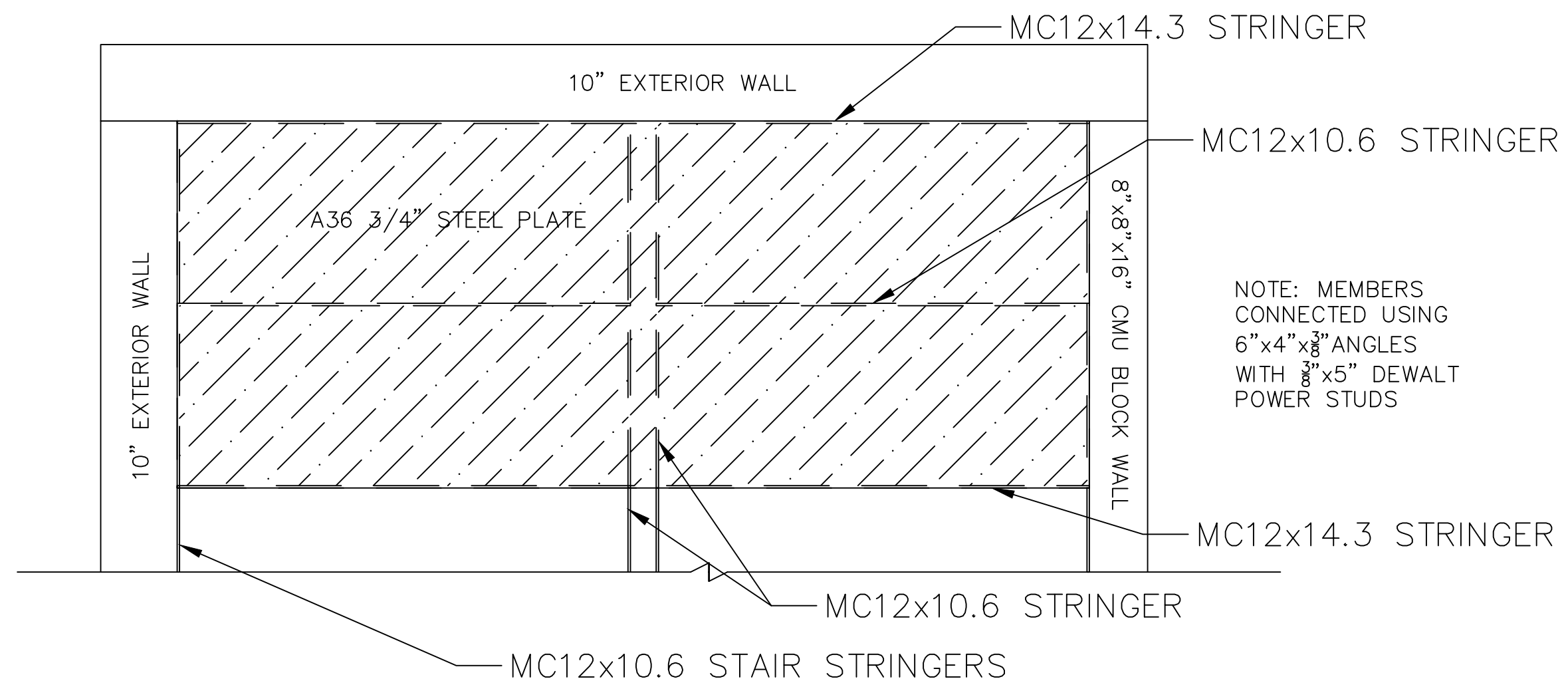
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and New Construction**
274 5th Ave. S
Clinton, IA

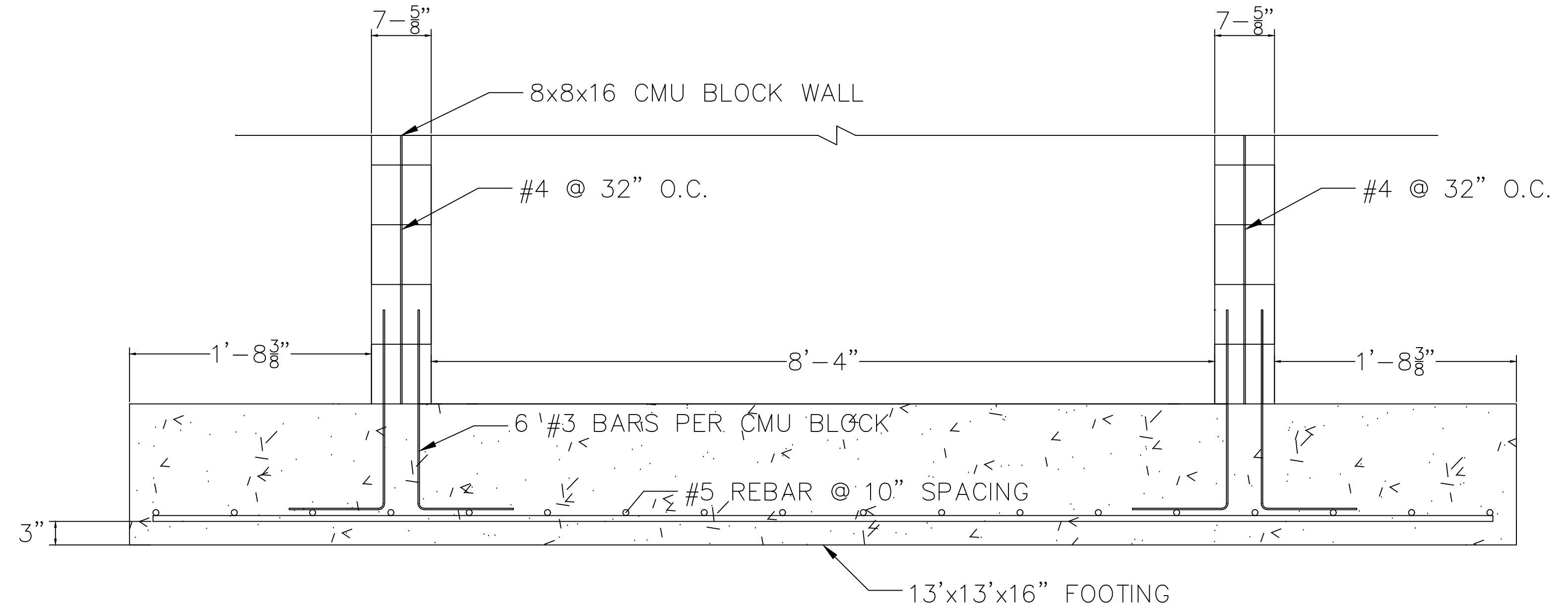
SHEET NAME
Standard Details

SHEET NO.
D-8

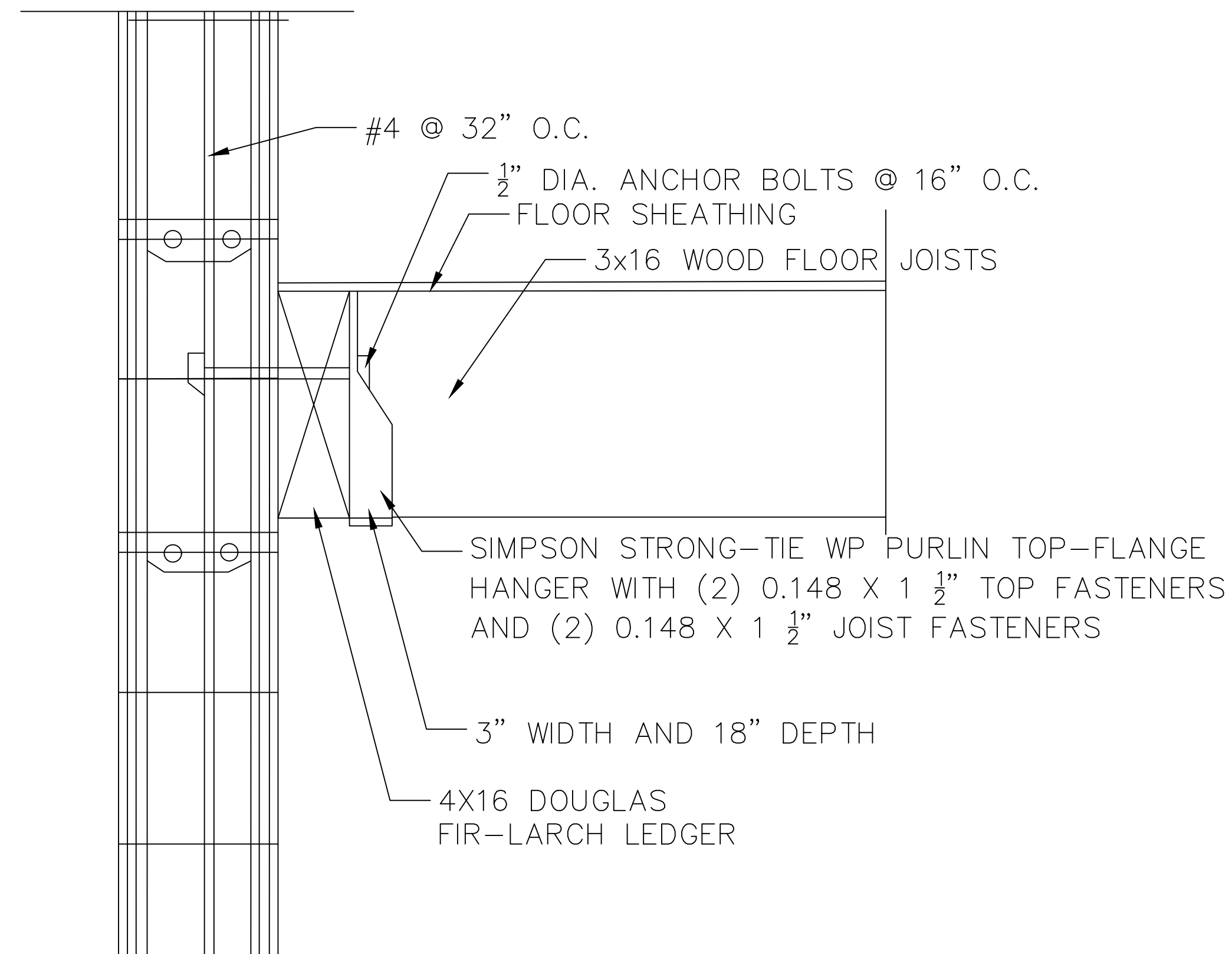


NOTE: MEMBERS CONNECTED USING 6"x4"x $\frac{3}{8}$ " ANGLES WITH $\frac{3}{8}$ "x5" DEWALT POWER STUDS

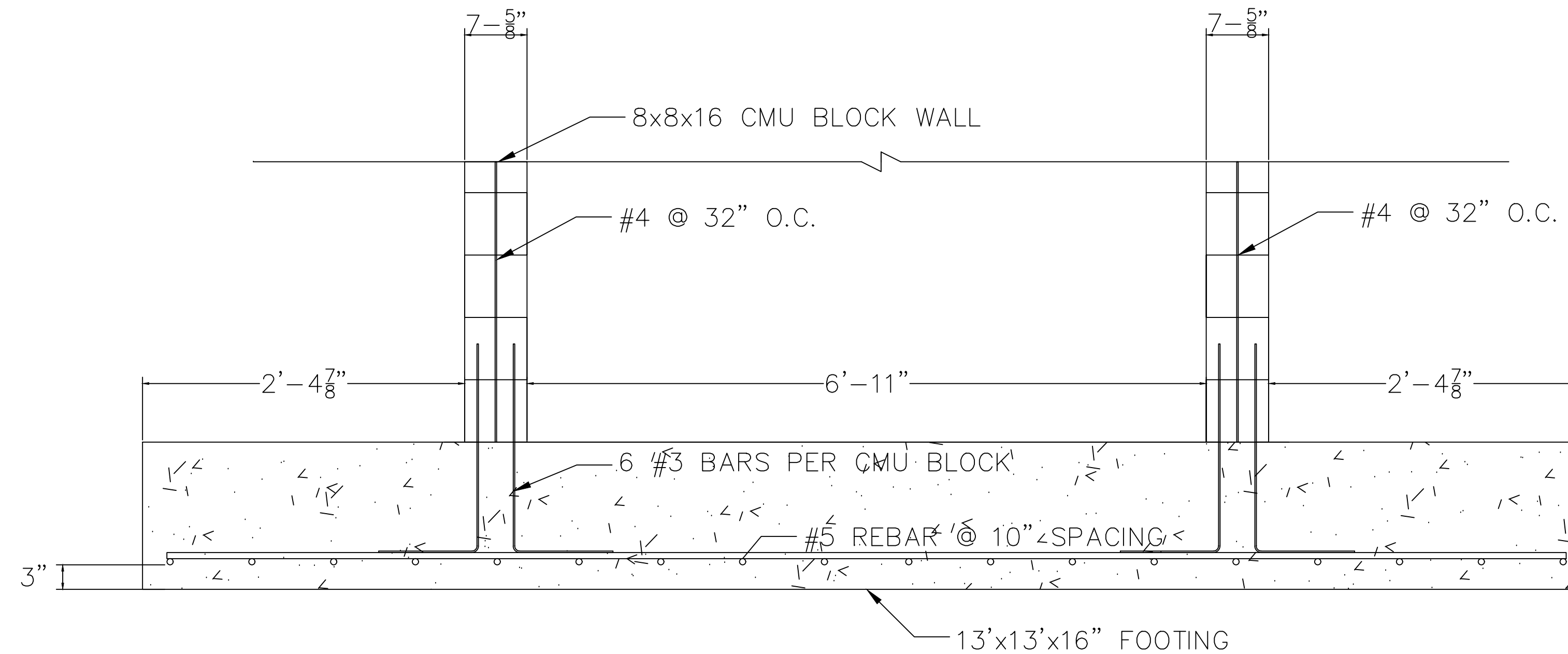
1 TYPICAL STAIRWELL LANDING DETAIL
D-9 SCALE: NOT TO SCALE



2 ELEVATOR FOOTING N-S SECTION VIEW
D-9 SCALE: NOT TO SCALE



3 JOIST HANGER DETAIL
D-9 SCALE: NOT TO SCALE



4 ELEVATOR FOOTING E-W SECTION VIEW
D-9 SCALE: NOT TO SCALE

PROJECT: CEE: 4850
DATE: 04/08/2022
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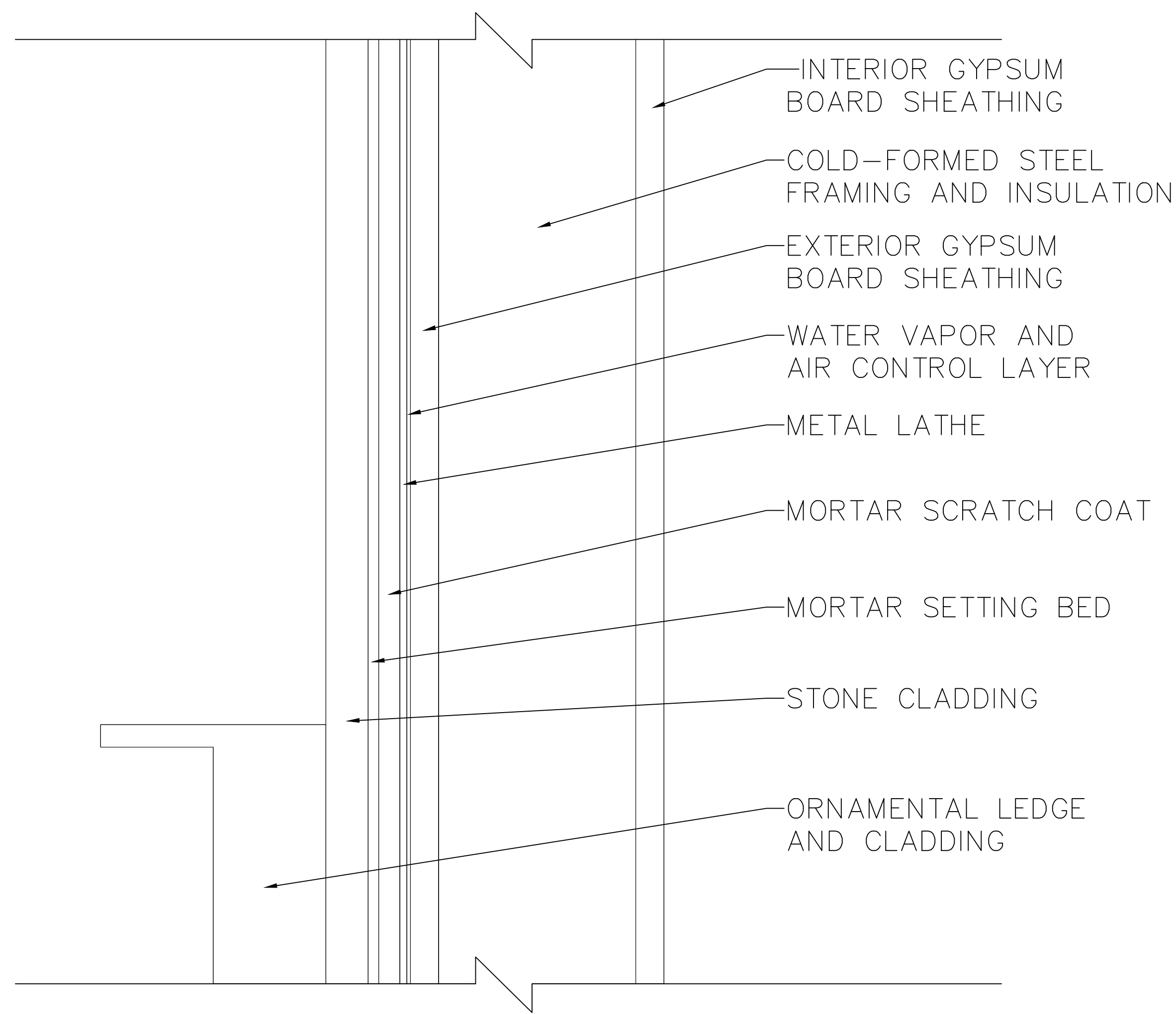
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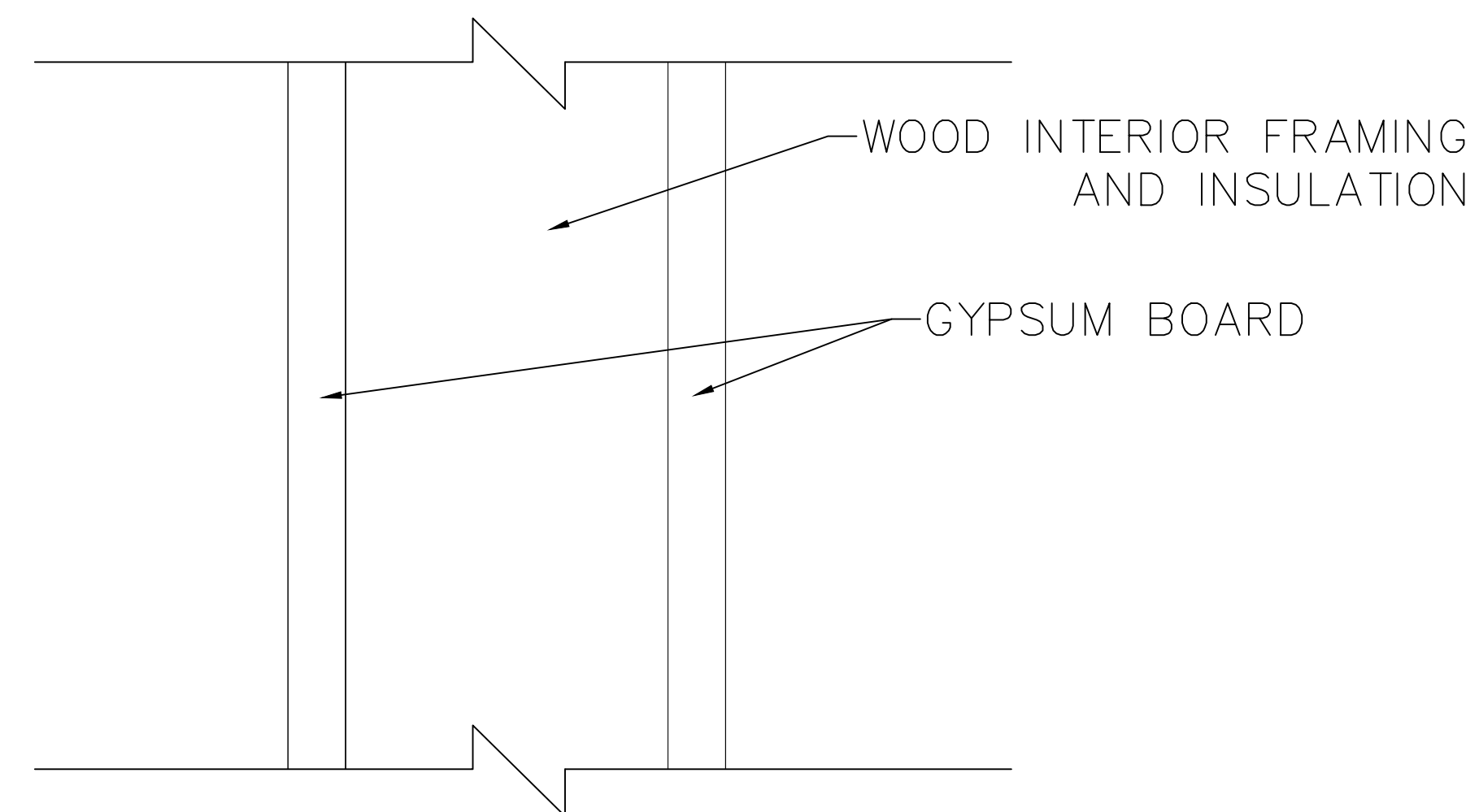
Clinton YMCA Renovation and New Construction
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Clinton, IA

SHEET NAME
Standard Details

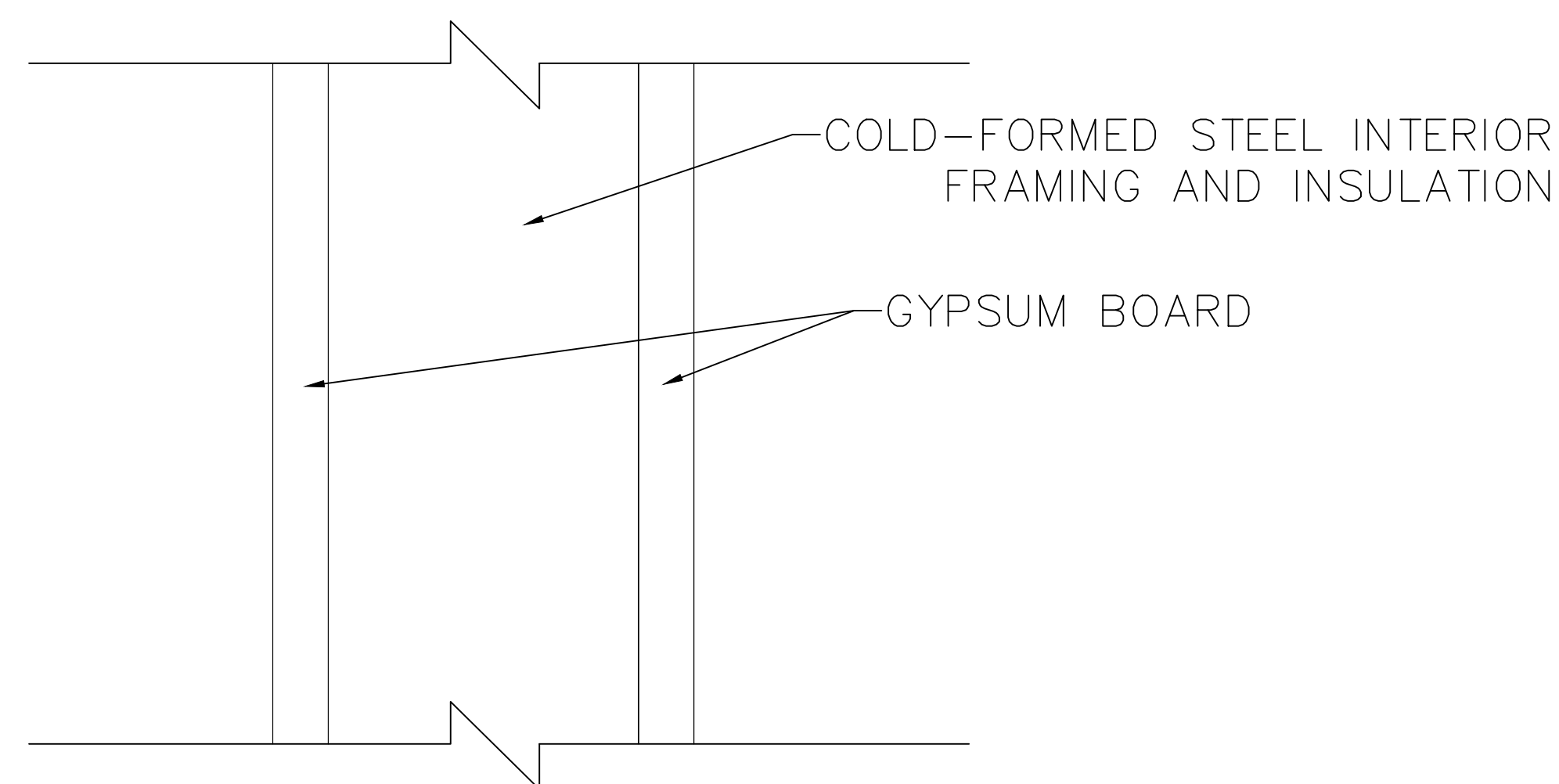
SHEET NO.
D-9



1 BUILDING C EXTERIOR WALL SECTION
D-10 SCALE: NOT TO SCALE



2 BUILDING A INTERIOR WALL SECTION
D-10 SCALE: NOT TO SCALE



3 BUILDING C INTERIOR WALL SECTION
D-10 SCALE: NOT TO SCALE

PROJECT:	CEE: 4850
DATE :	04/08/2022
DRAWN BY:	TD Thornburgh
REVISION:	

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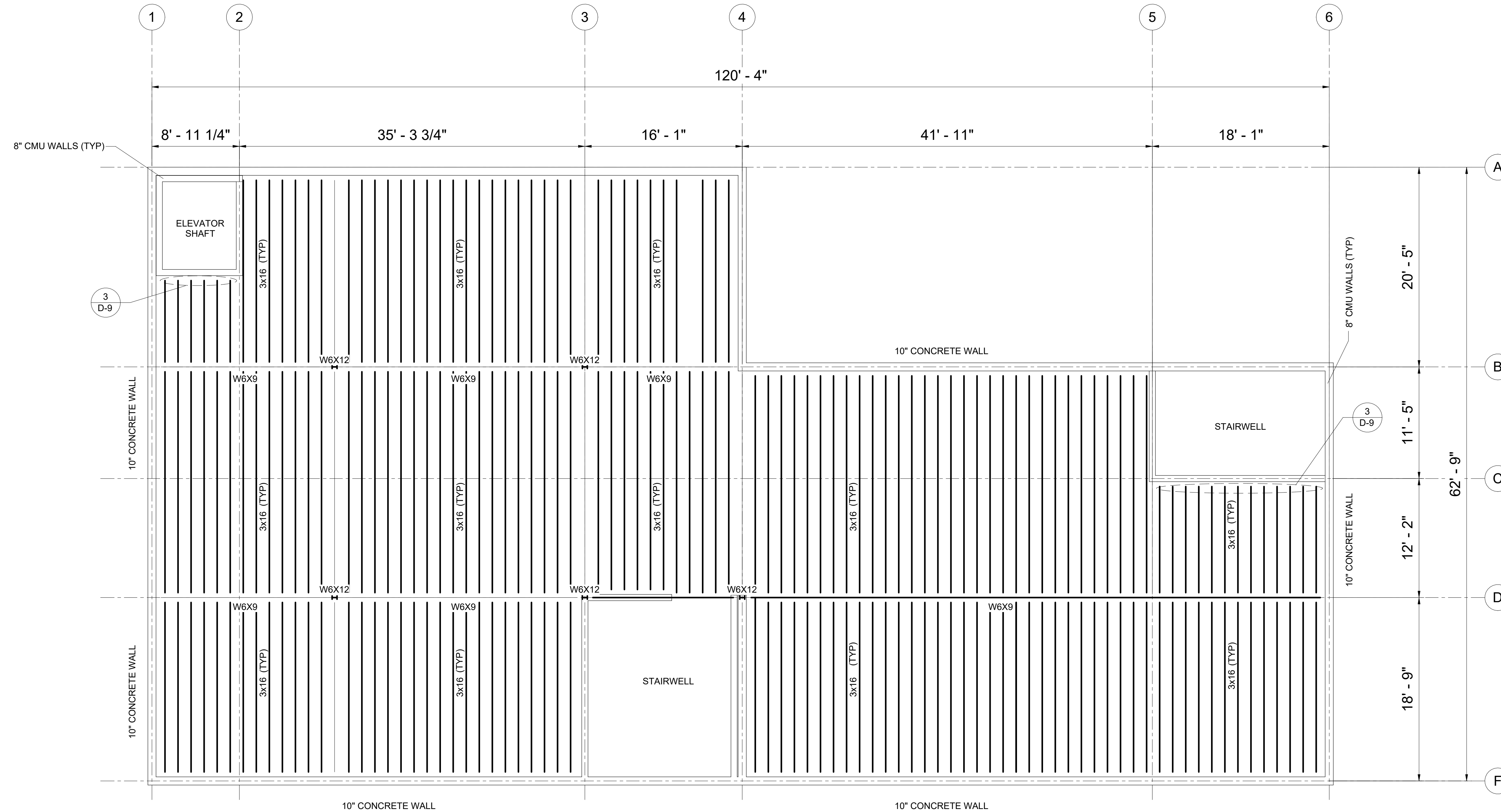


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SHEET NAME
Standard Details

SHEET NO.
D-10



1 Roof Framing Plan
3/16" = 1'-0"

NOTE: THE PLANS DISPLAYED ON THIS SHEET WERE DRAFTED BASED ON ASSUMPTIONS MADE DURING A FIELD INSPECTION. BEFORE ANY CONSTRUCTION BEGINS, THE CONTRACTOR MUST VERIFY THAT THESE PLANS ARE REFLECTIVE OF THE ACTUAL STRUCTURAL SYSTEM.

PROJECT:	CEE-4850
DATE:	05/06/2022
DRAWN BY:	SF Susmanski
REVISION:	

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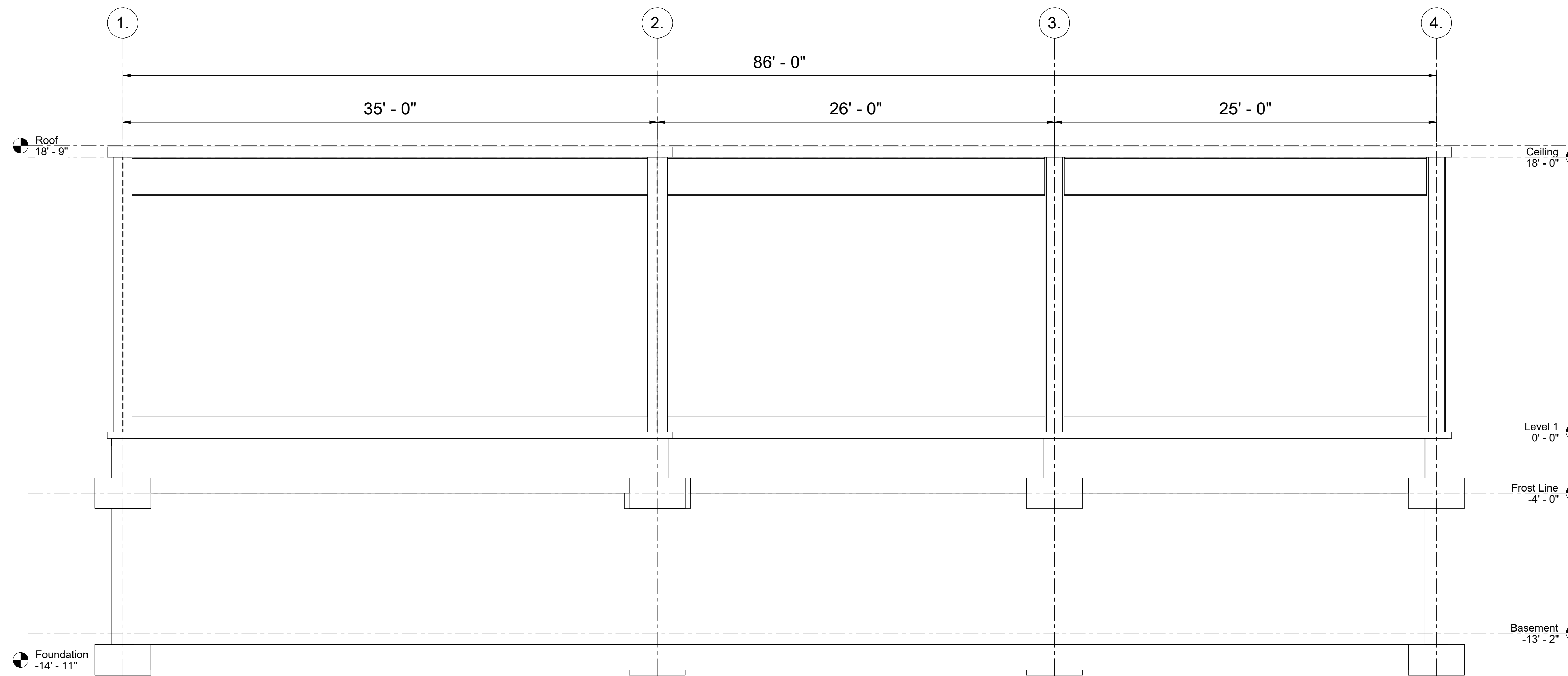
274 5th Ave S.
Clinton, IA

SHEET NAME
BLDG A
Roof Framing Plan

SHEET NO.
S-1



NORTH



PROJECT:	CEE-4850
DATE:	05/06/2022
DRAWN BY:	SF Susmanski
REVISION:	

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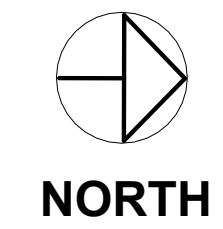
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274 5th Ave S.
Clinton, IA

SHEET NAME
BLDG C
South Elevation
View

SHEET NO.
S-2

① South Wall
1/4" = 1'-0"



PROJECT:	CEE-4850
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REVISION:	

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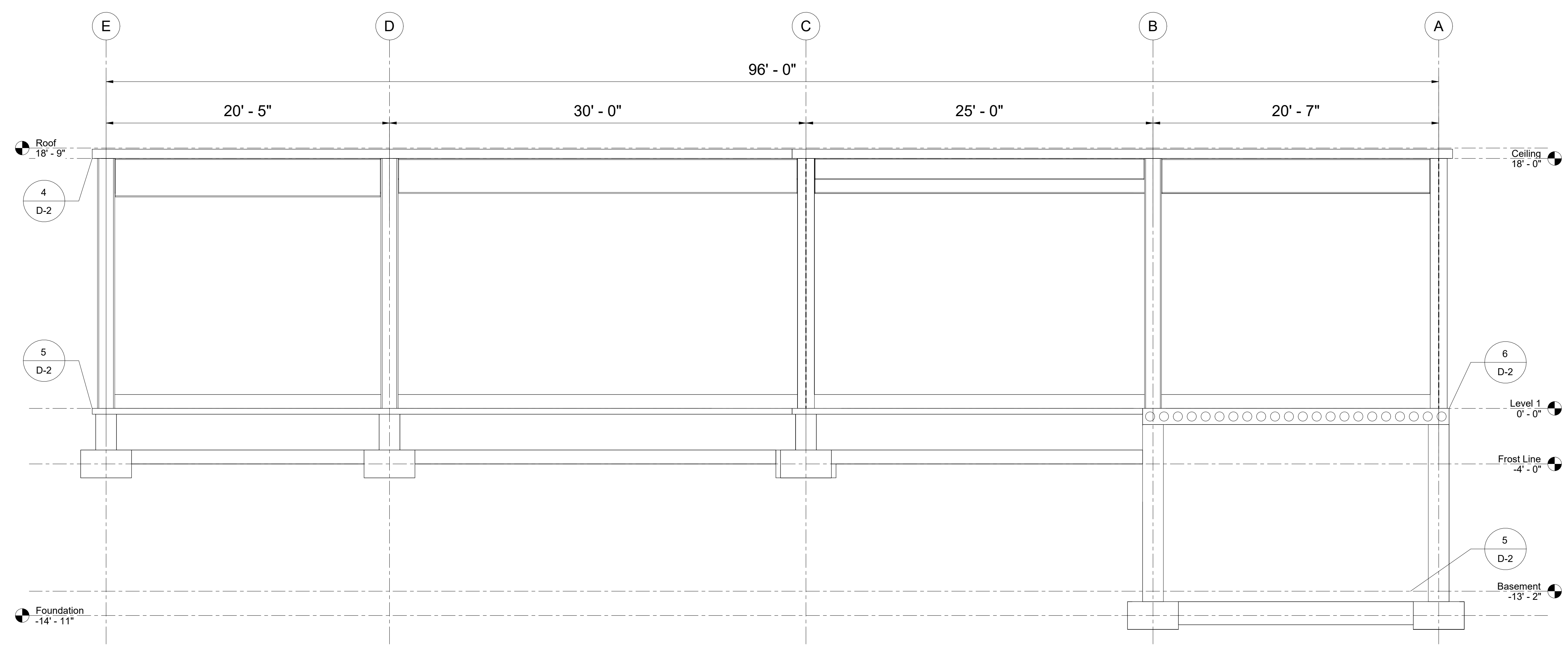
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Clinton YMCA Renovation and New Construction

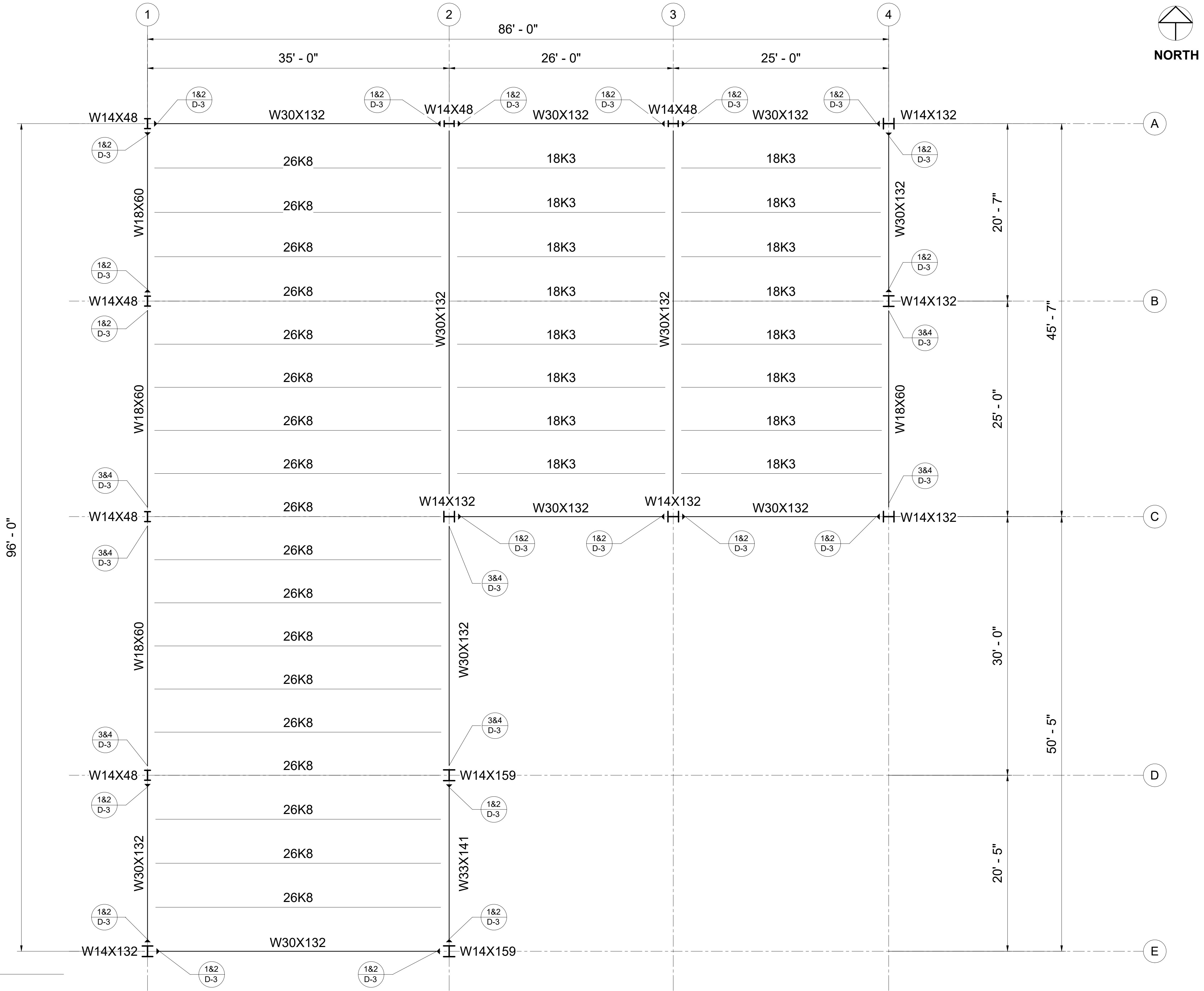
274 5th Ave S.
Clinton, IA

SHEET NAME
 BLDG C
 East Elevation
 View

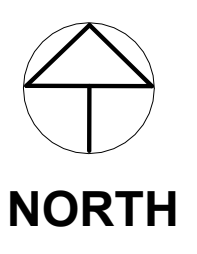
SHEET NO.
S-3



② East Wall
 1/4" = 1'-0"



③ Roof
3/16" = 1'-0"



PROJECT:	CEE-4850
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REVISION:	

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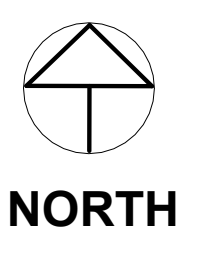
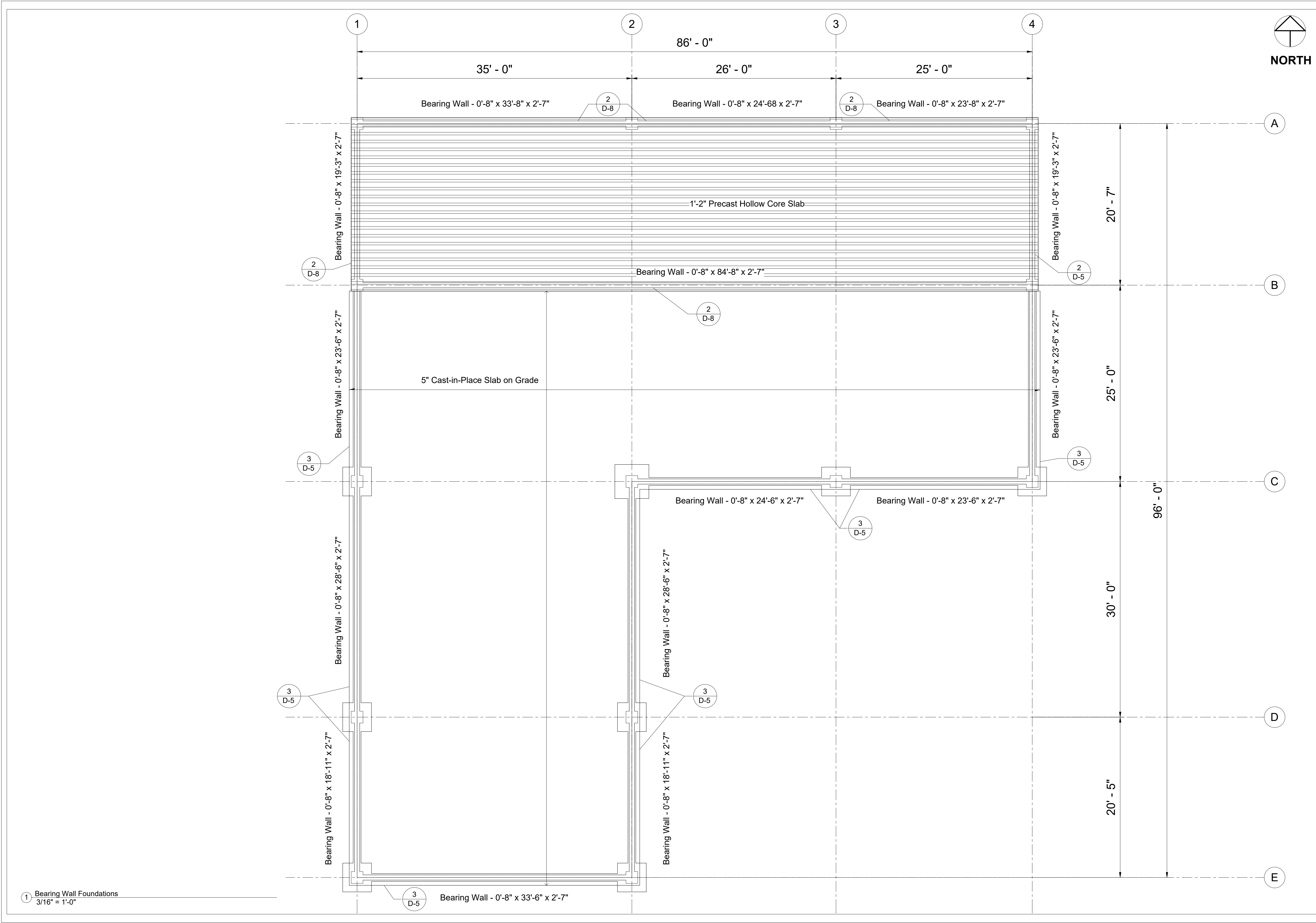


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**Clinton YMCA Renovation
 and New Construction**
 274 5th Ave S.
 Clinton, IA

SHEET NAME
 BLDG C
 Level 1 Framing
 Plan

SHEET NO.
S-4



PROJECT:	CEE-4850
DATE:	05/06/2022
DRAWN BY:	SF Susanski
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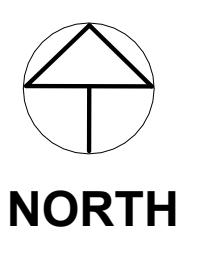
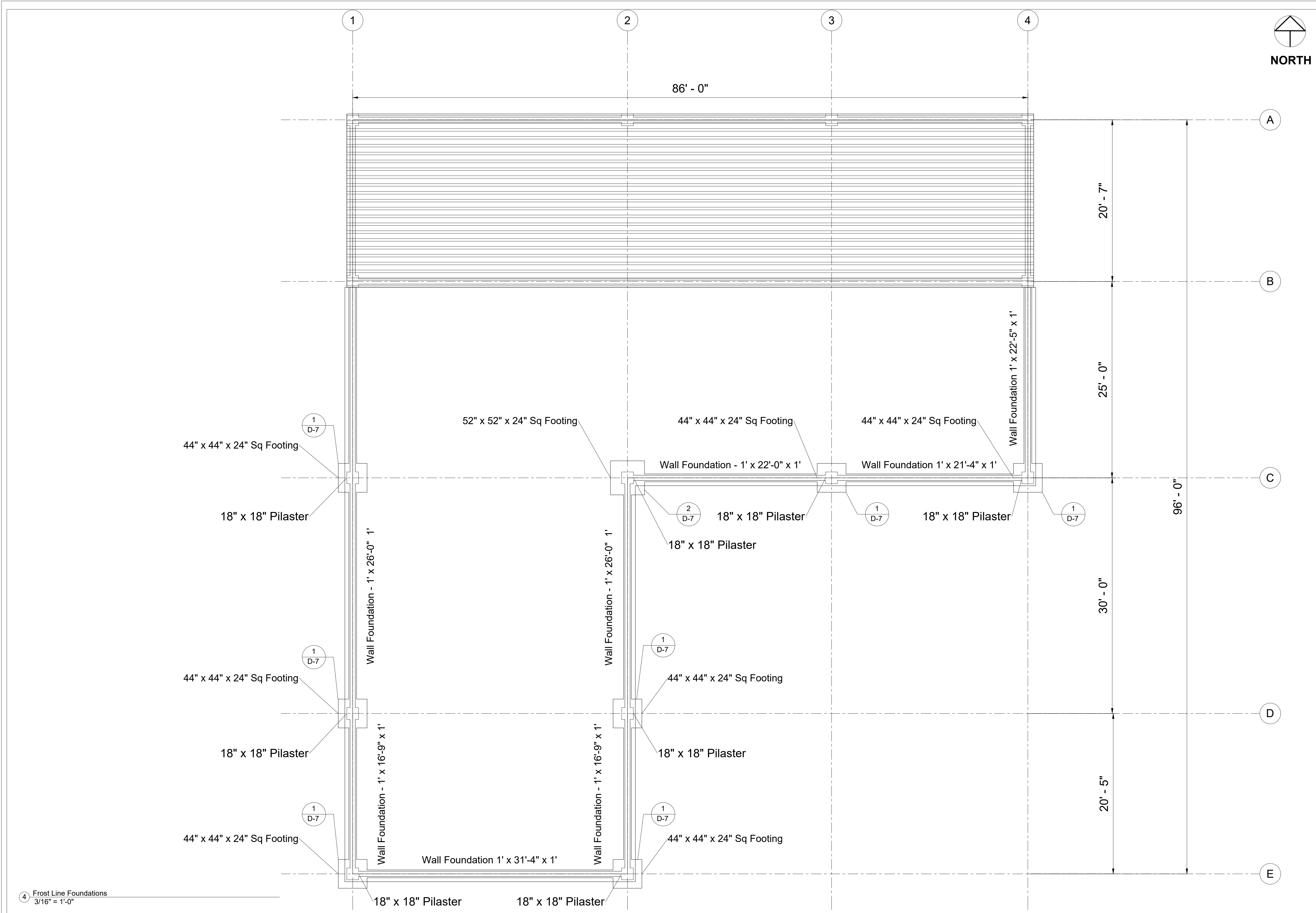
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**Clinton YMCA Renovation
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 274 5th Ave S.
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SHEET NAME
 BLDG C
 Bearing Wall
 Foundations

SHEET NO.
S-5

① Bearing Wall Foundations
 3/16" = 1'-0"



PROJECT:	CEE-4850
DATE:	05/06/2022
DRAWN BY:	SF Susanski
REVISION:	

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Clinton YMCA Renovation and New Construction

274 5th Ave S.
Clinton, IA

SHEET NAME
 BLDG C
 Frost Line
 Foundations

SHEET NO.
S-6

④ Frost Line Foundations
 3/16" = 1'-0"



NORTH

PROJECT:	CEE-4850
DATE:	05/06/2022
DRAWN BY:	SF Susmanski
REVISION:	

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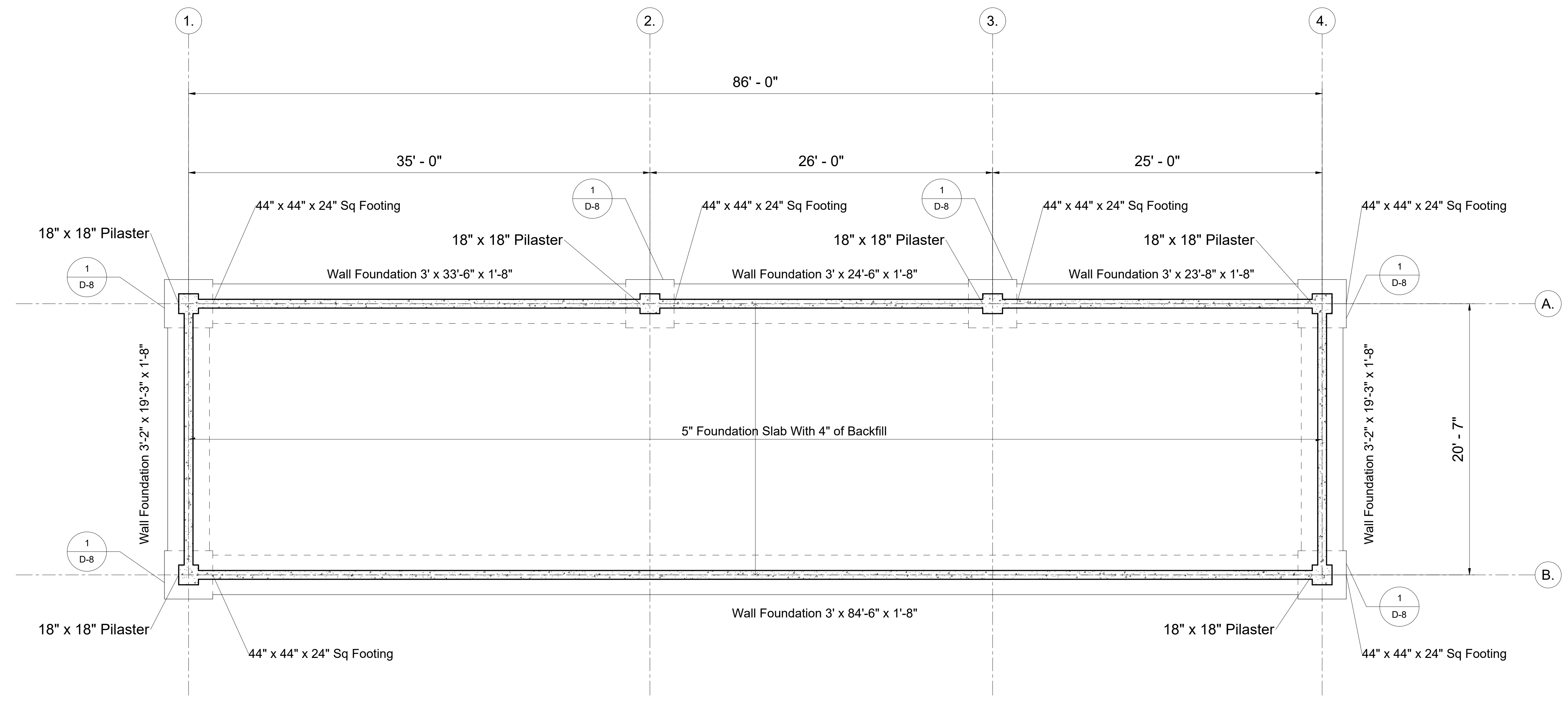
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Clinton YMCA Renovation and New Construction

274 5th Ave S.
Clinton, IA

SHEET NAME
 BLDG C
 Basement
 Foundations

SHEET NO.
S-7



Basement Foundations
 1/4" = 1'-0"