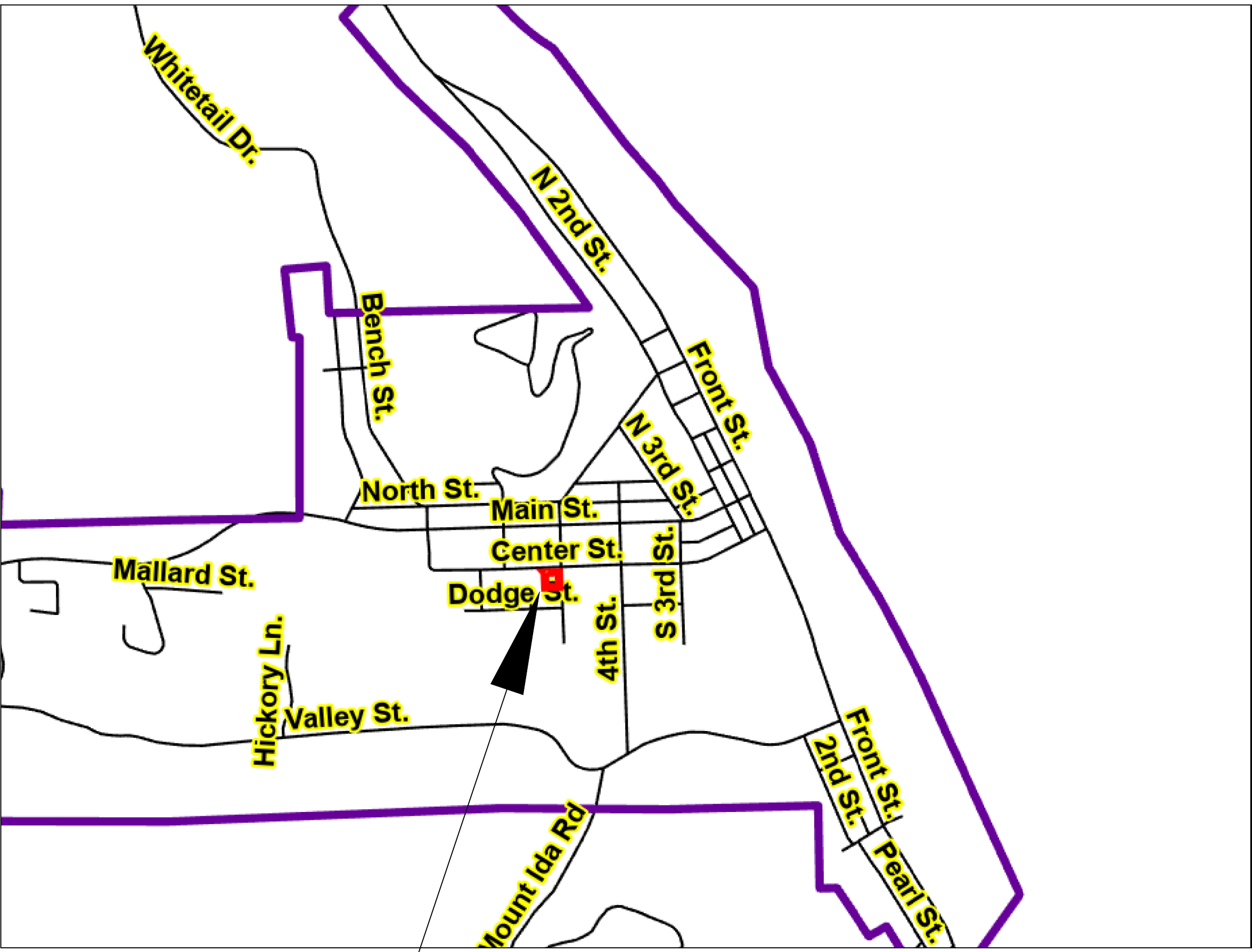
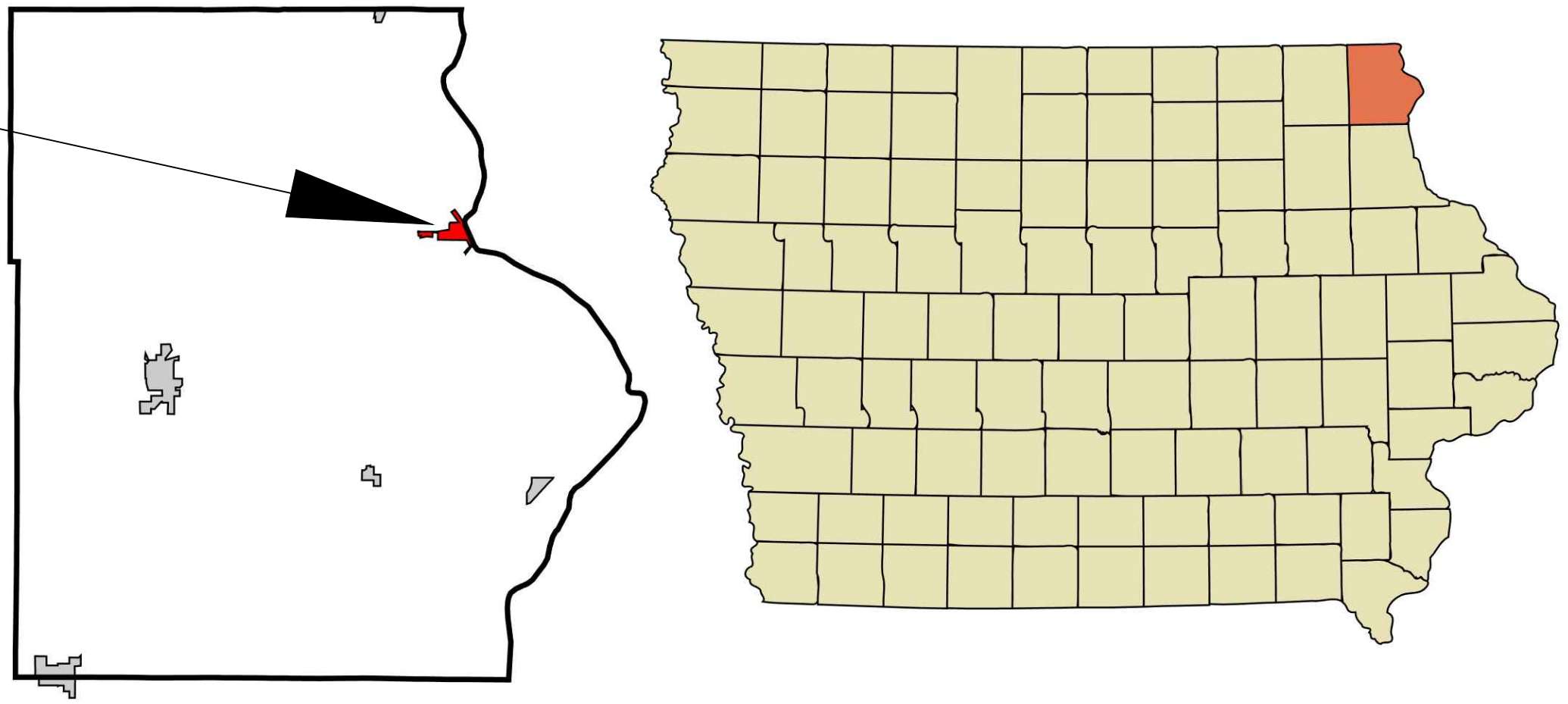


PROPOSED IMPROVEMENTS FOR LANSING LIMESTONE BUILDING

LANSING, IA



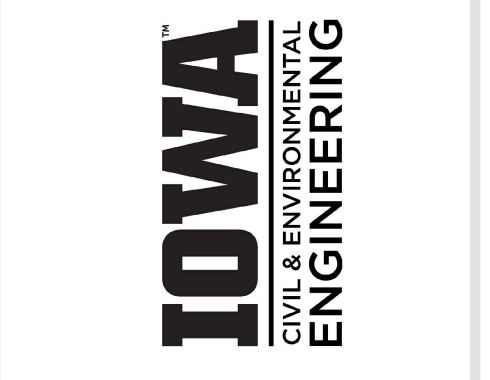
PROJECT LOCATION

INDEX OF SHEETS

C101	TITLE SHEET
C102	EXISTING CONDITIONS AND DEMOLITION PLAN
C103	SITE PLAN
C104	GRADING PLAN
C105	TRIBUTARY AREA EXHIBIT
C106	DETAIL SHEET
A101	FIRST FLOOR ARCHITECTURAL PLAN
A102	SECOND FLOOR ARCHITECTURAL PLAN
S001	GENERAL NOTES
S101	FIRST FLOOR STRUCTURAL PLAN
S102	SECOND FLOOR STRUCTURAL PLAN
S103	ROOF STRUCTURAL PLAN
S301	EXTERIOR ELEVATIONS
S311	OVERALL BUILDING SECTIONS
S312	OVERALL BUILDING SECTIONS
S501	STRUCTURAL DETAILS
S502	STRUCTURAL DETAILS
S503	STRUCTURAL DETAILS

PROJECT: CEE: 4850
 DATE: 11/18/2022
 DRAWN BY: BJA
 REVISION:

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

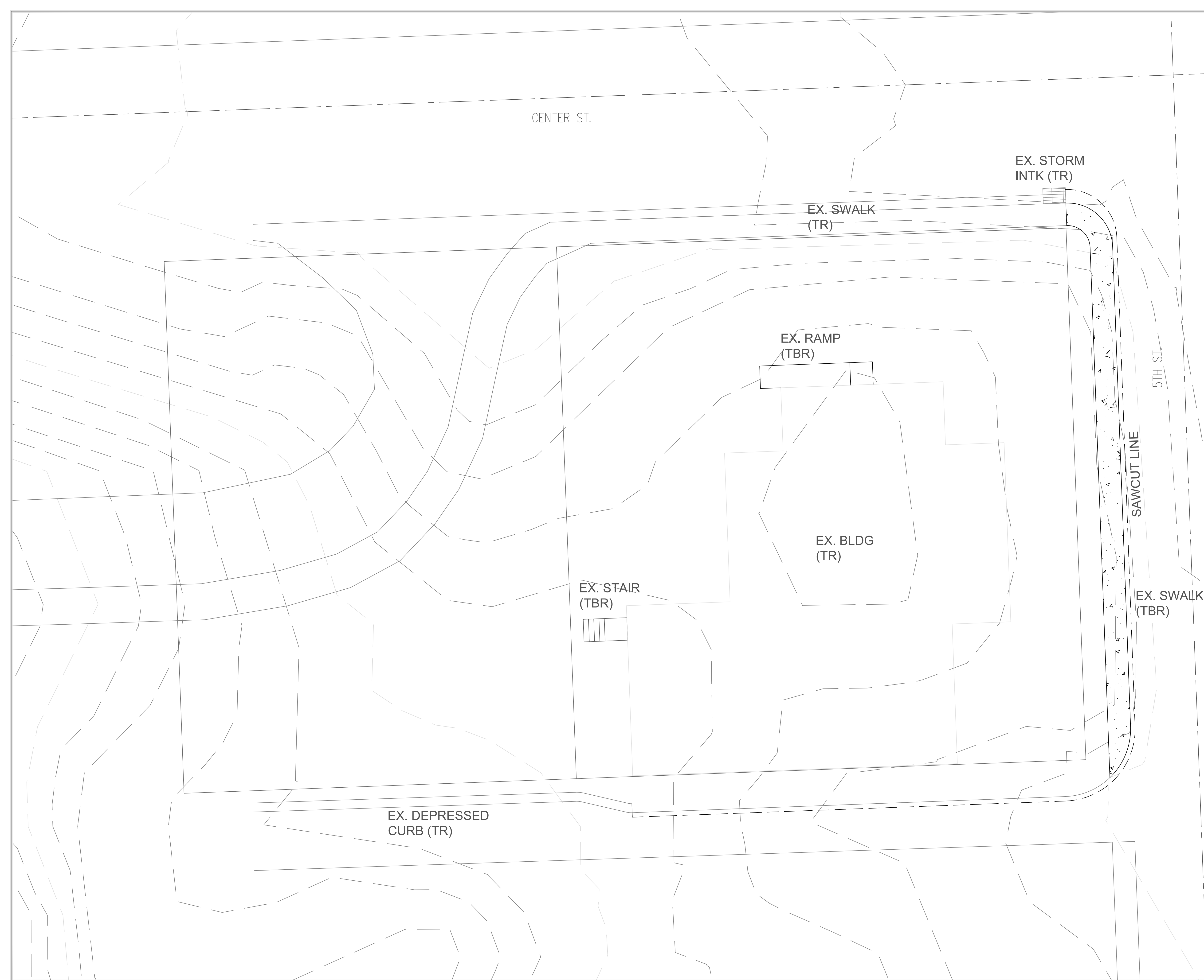


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LANSING LIMESTONE BUILDING
 LANSING, IA 52151

SHEET NAME
 TITLE SHEET

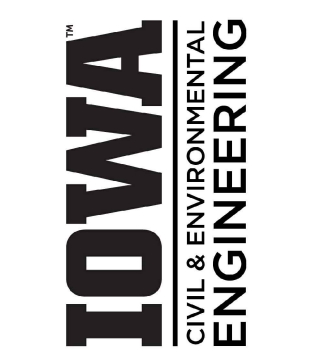
SHEET NO.
C101



LEGEND
 (TBR) SAWCUT LINE TO BE REMOVED
 (TR) TO REMAIN

PROJECT: CEE: 4850
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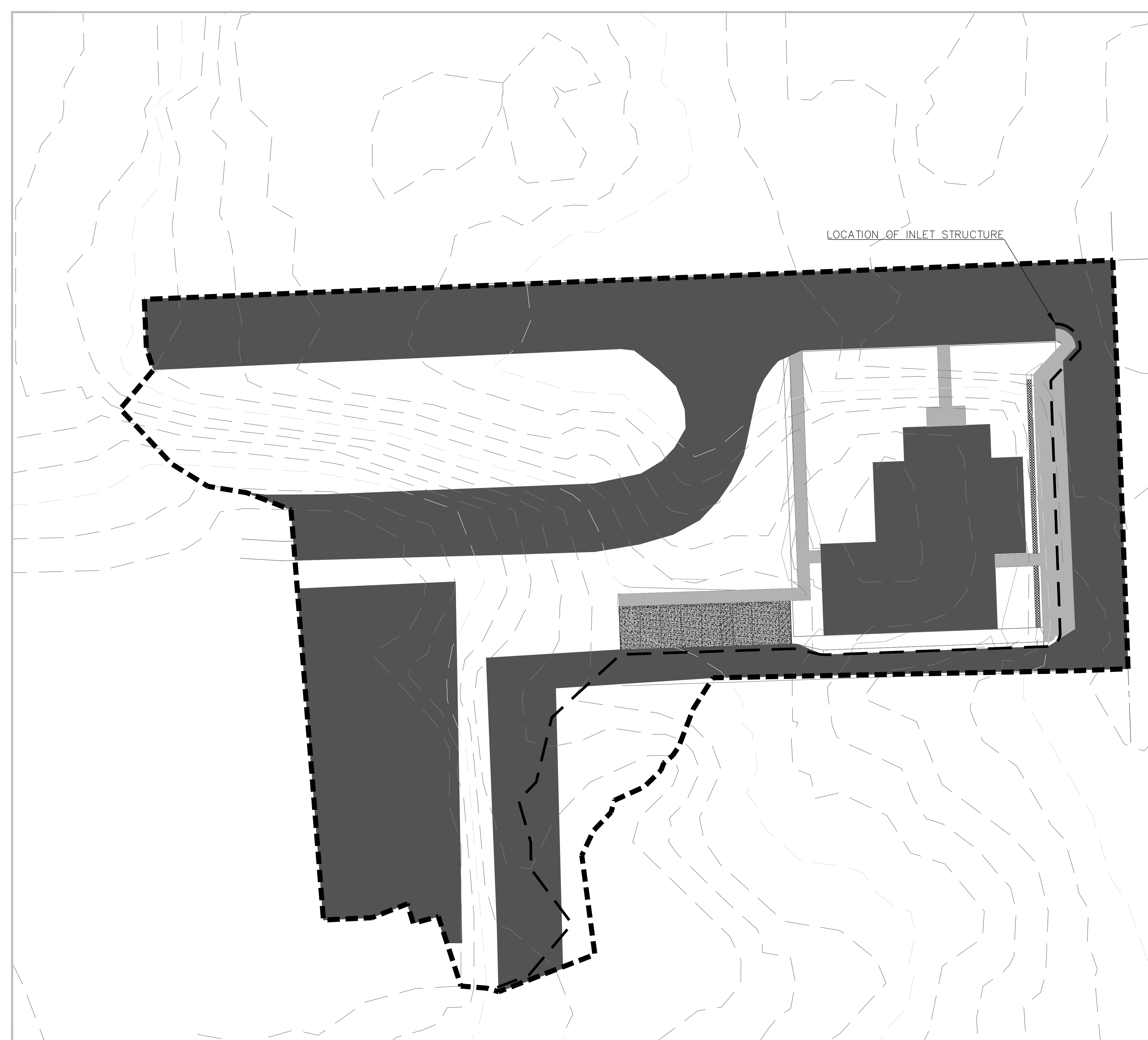


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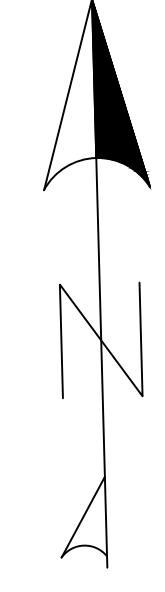
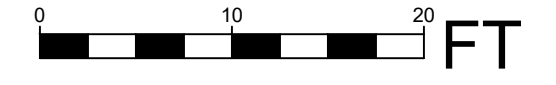
LANSING LIMESTONE BUILDING
 LANSING, IA 52151





SHEET NAME
 EXISTING CONDITIONS AND DEMOLITION PLAN

SHEET NO.
C102



LOCATION OF INLET STRUCTURE



-  ADDED IMPERVIOUS AREA
= .089 AC
-  EXISTING IMPERVIOUS AREA
= .962 AC
-  DRAINAGE AREA BOUNDARY
= 1.749 AC
-  FLOW PATH
= 501 FT

PROJECT: CEE: 4850
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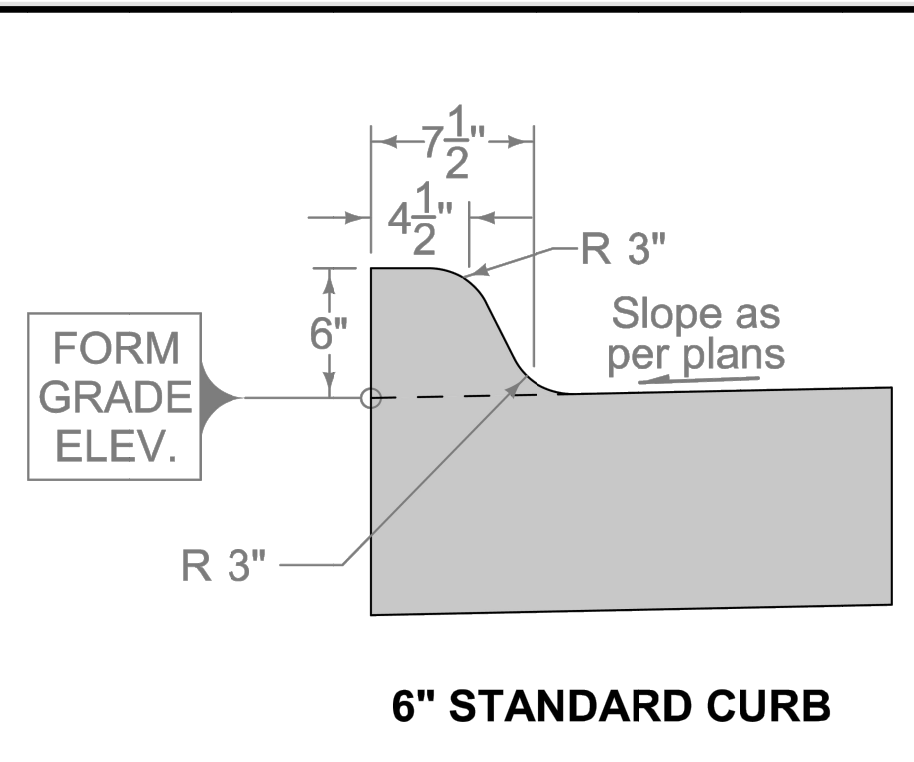


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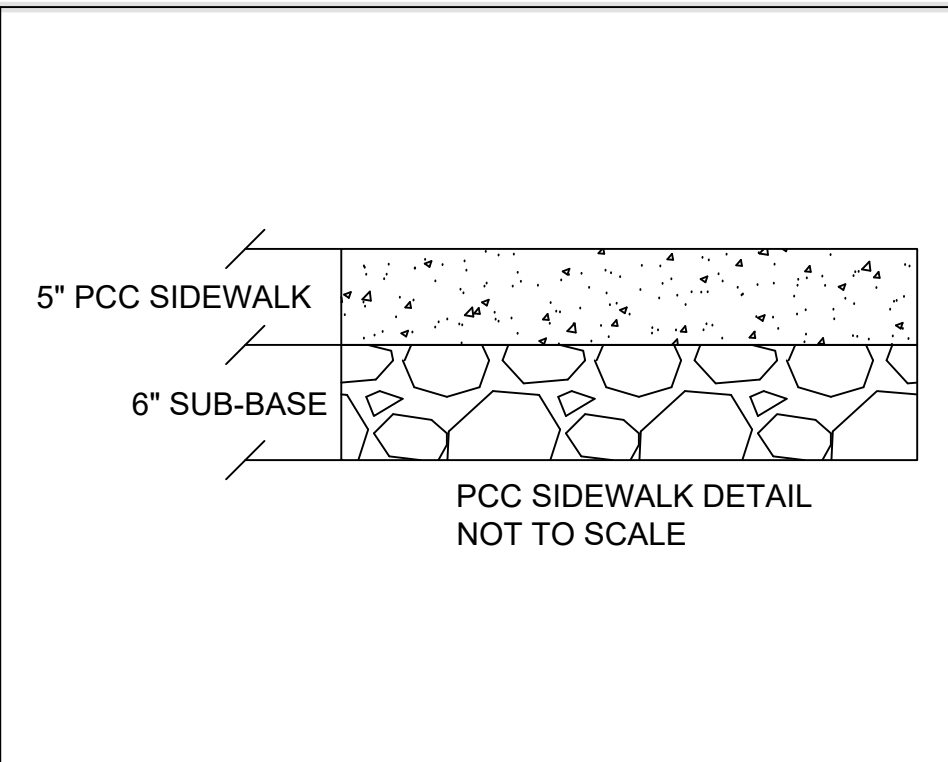
LANSING LIMESTONE BUILDING
 LANSING, IA 52151

SHEET NAME
 DRAINAGE EXHIBIT

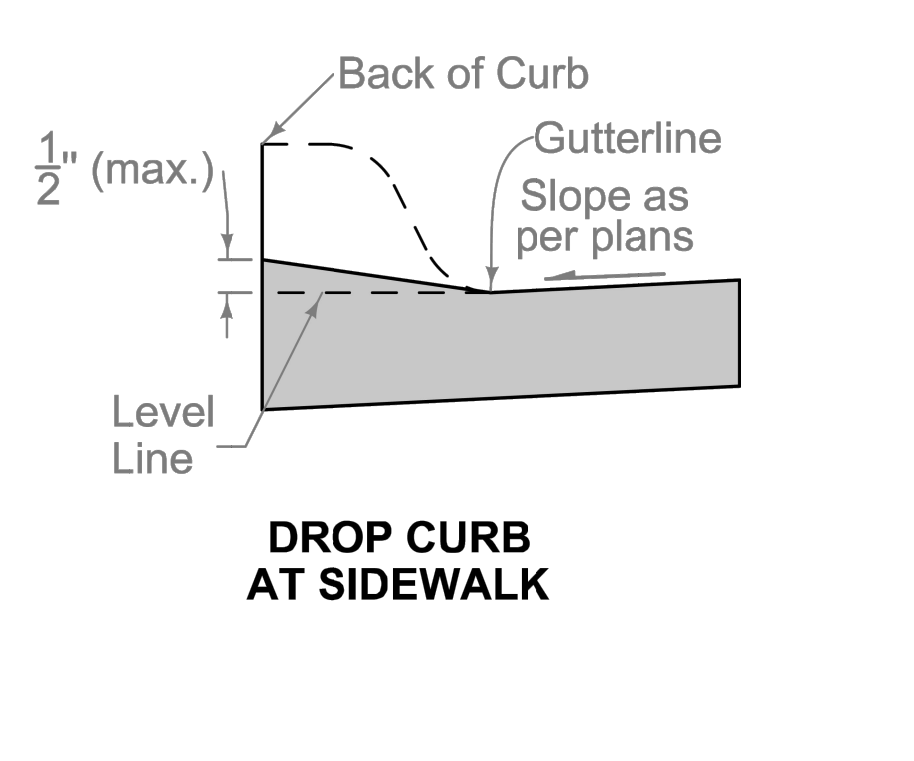
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C105



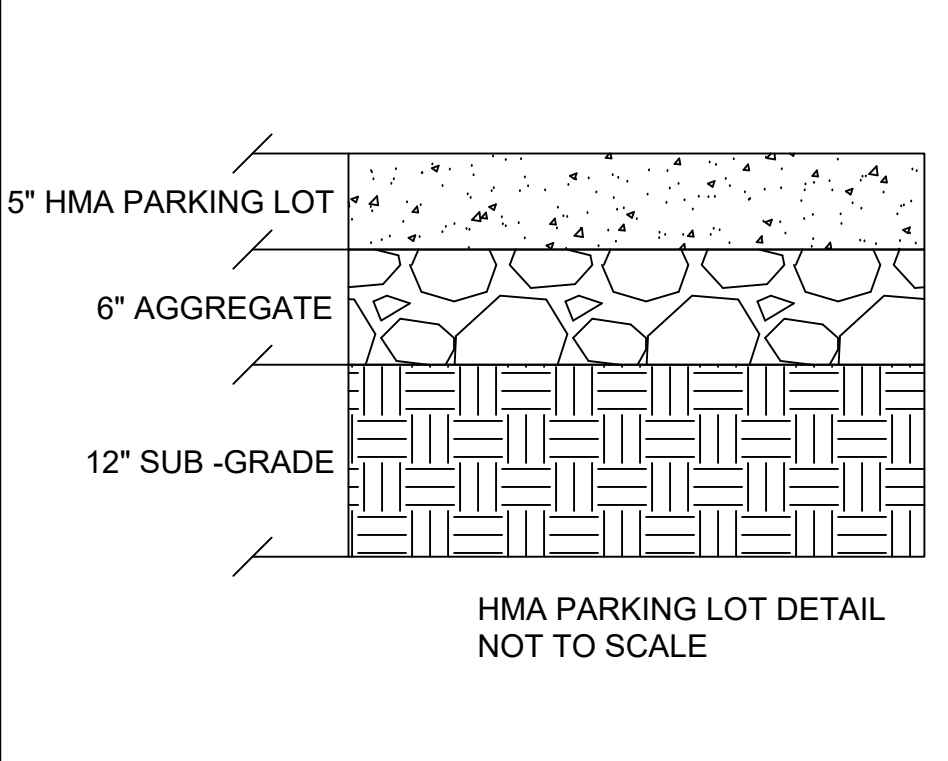
6" STANDARD CURB



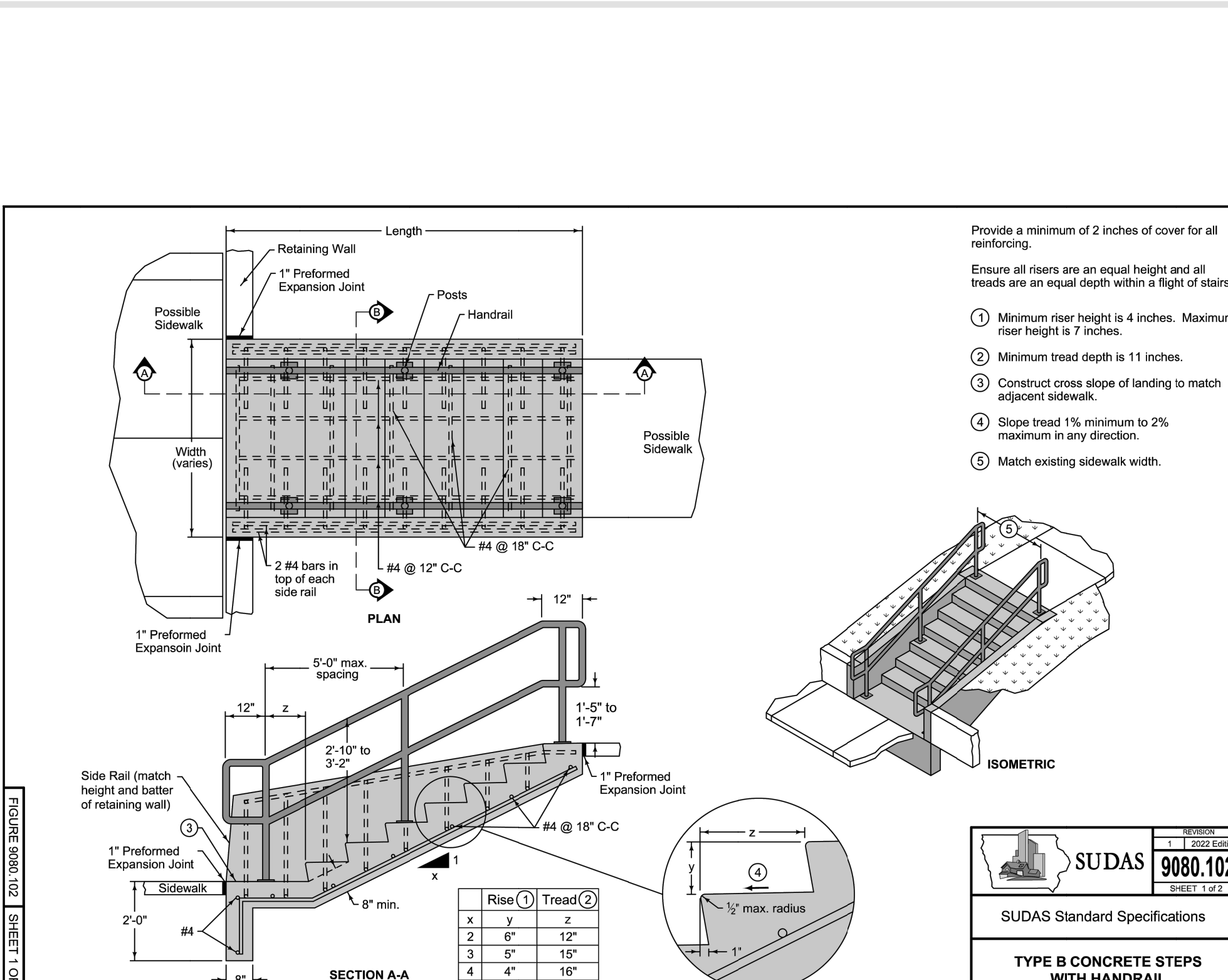
PCC SIDEWALK DETAIL NOT TO SCALE



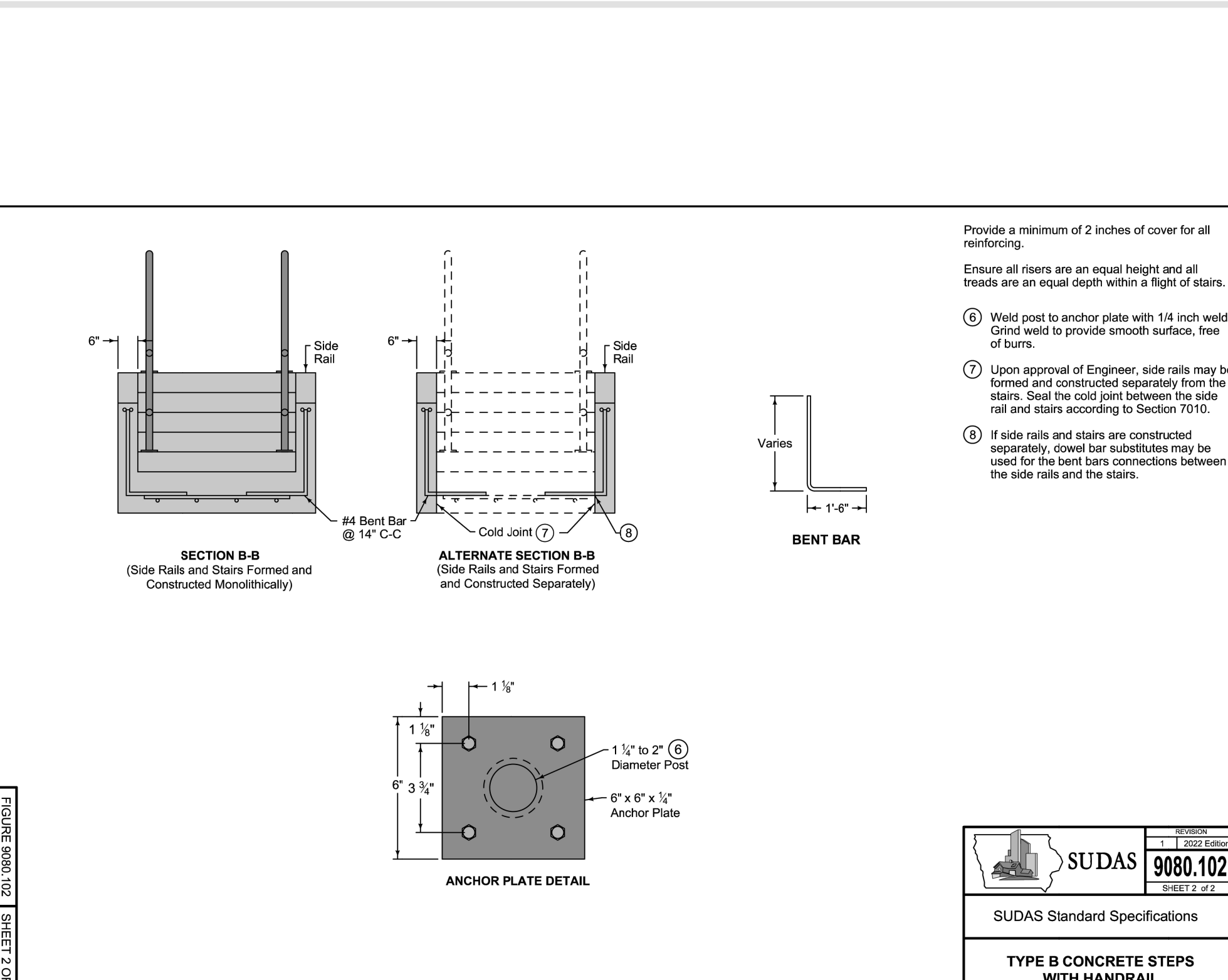
DROP CURB AT SIDEWALK



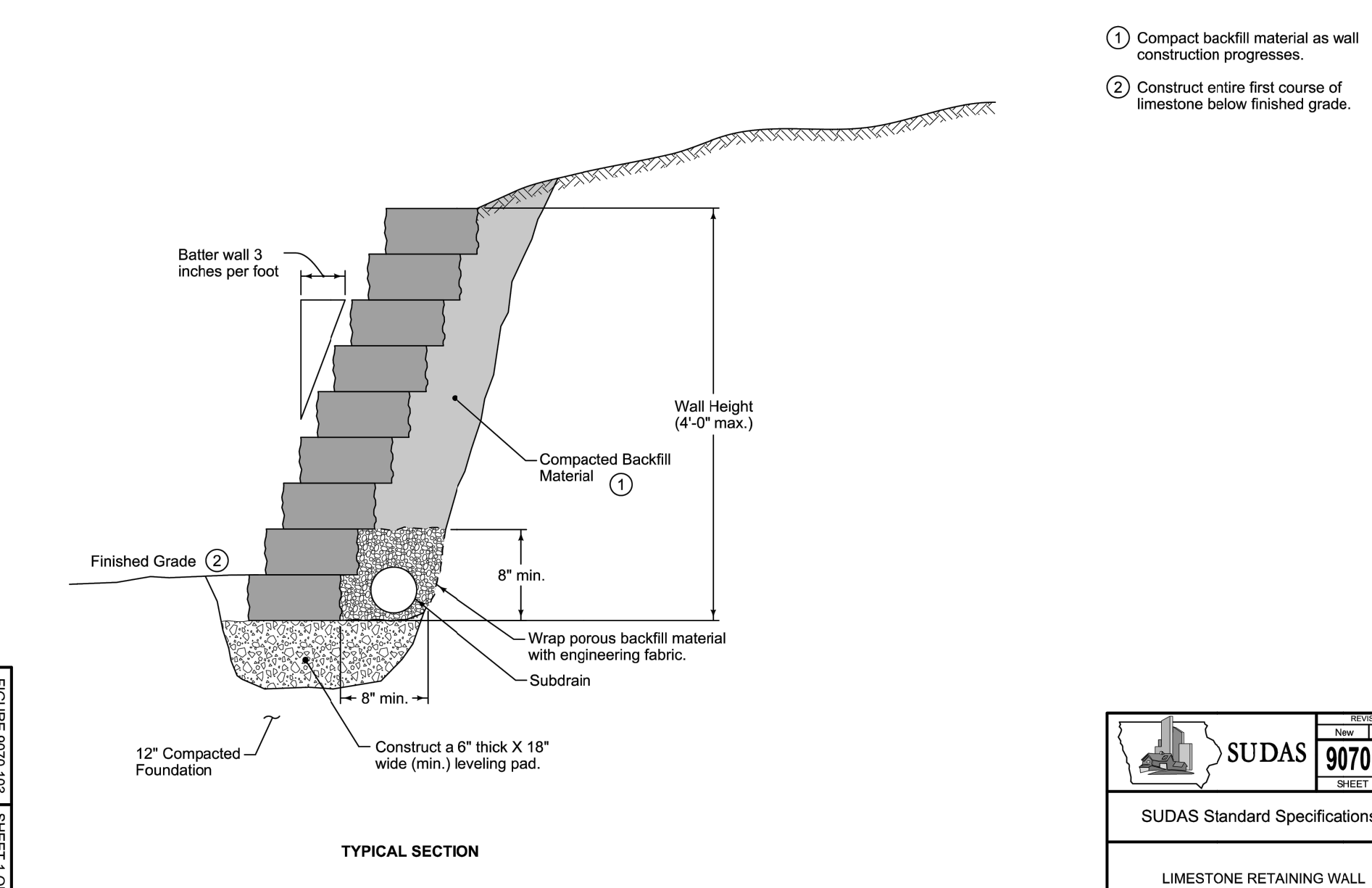
HMA PARKING LOT DETAIL NOT TO SCALE



	REVISION	9080.102
	DATE	10-15-11
SUDAS Standard Specifications		
TYPE B CONCRETE STEPS WITH HANDRAIL		

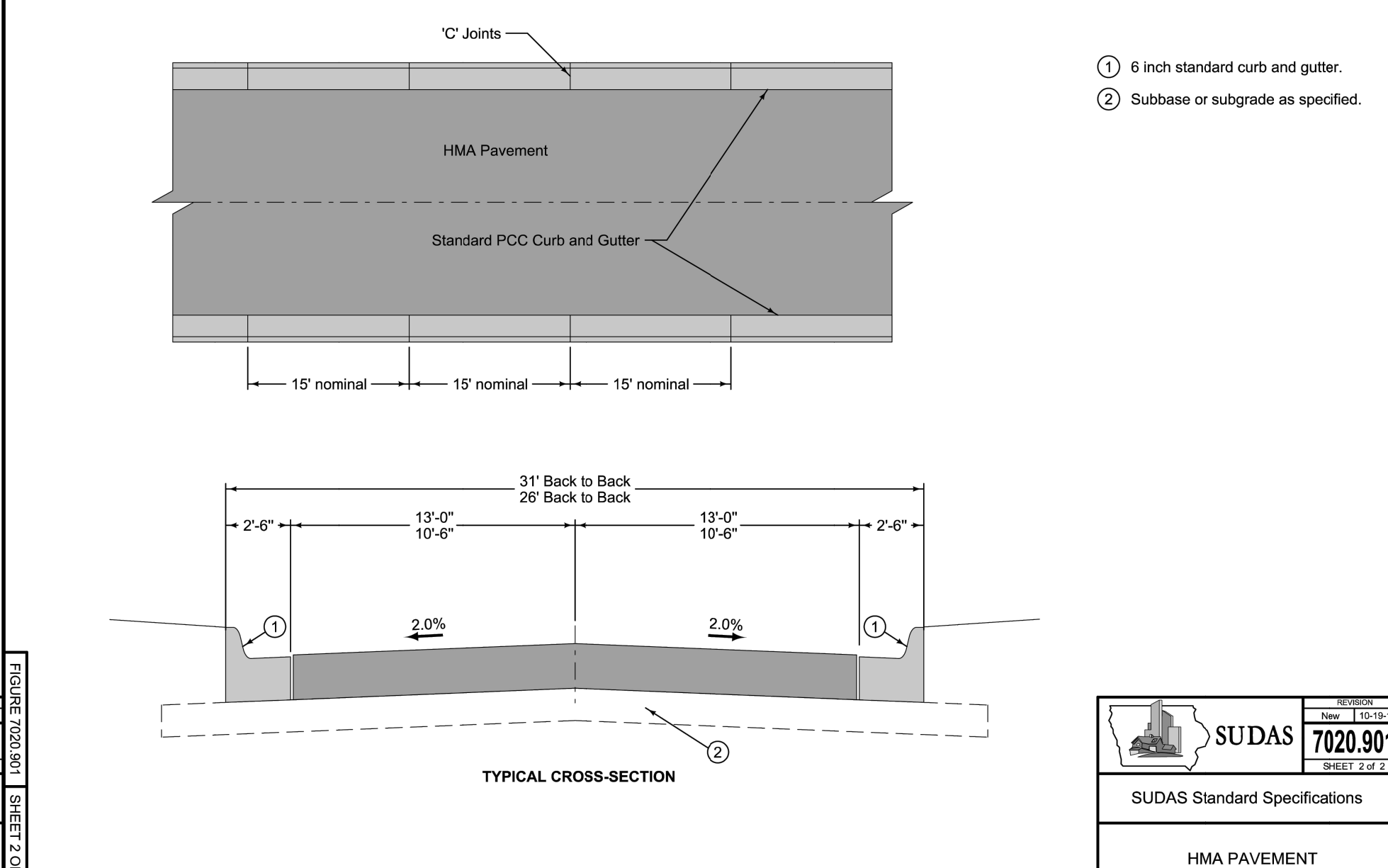


	REVISION	9080.102
	DATE	10-15-11
SUDAS Standard Specifications		
TYPE B CONCRETE STEPS WITH HANDRAIL		

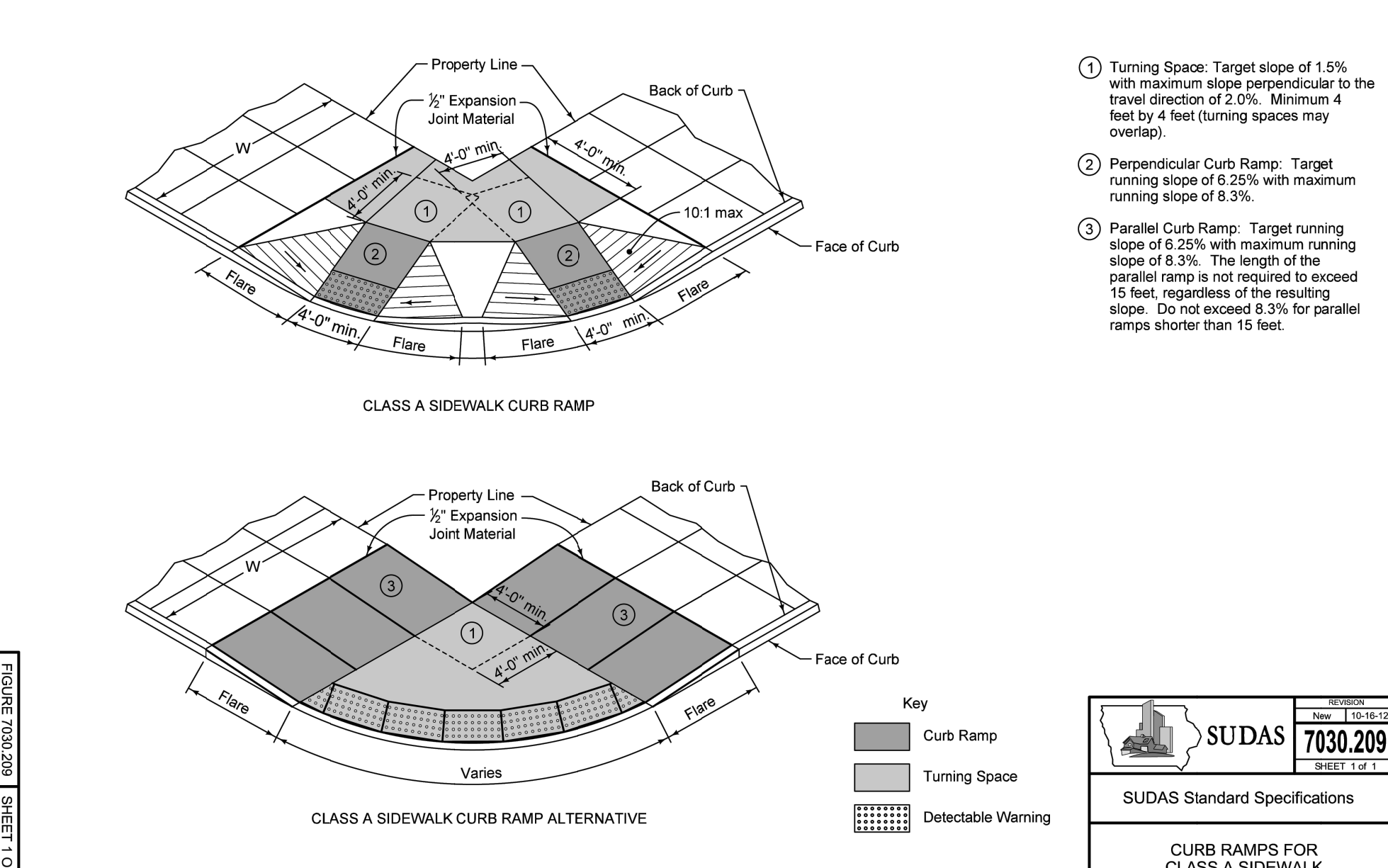


- 1 Compact backfill material as wall construction progresses.
- 2 Construct entire first course of limestone below finished grade.

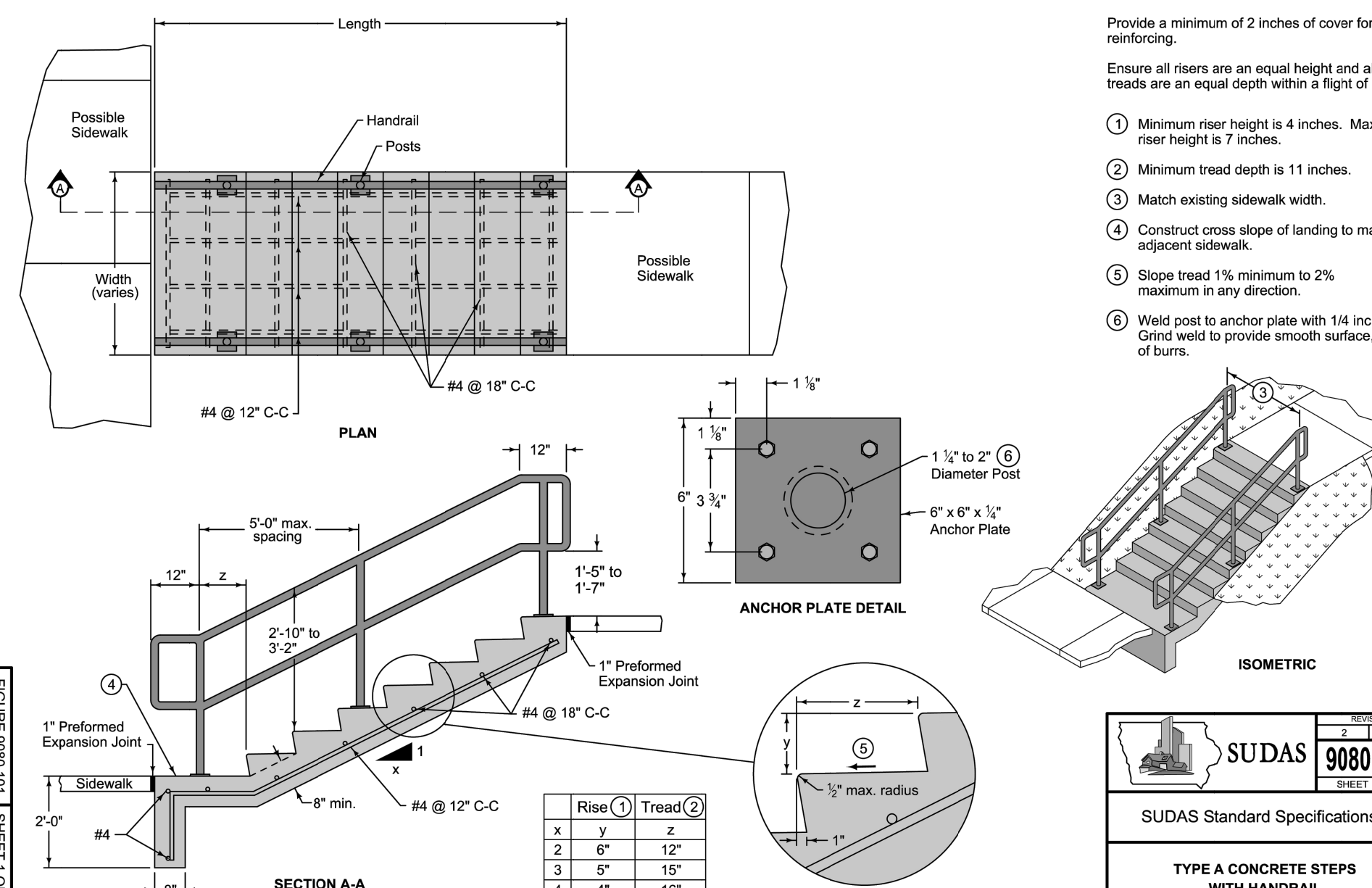
	REVISION	9070.103
	DATE	10-15-11
SUDAS Standard Specifications		
LIMESTONE RETAINING WALL		



	REVISION	7020.901
	DATE	10-15-10
SUDAS Standard Specifications		
HMA PAVEMENT		

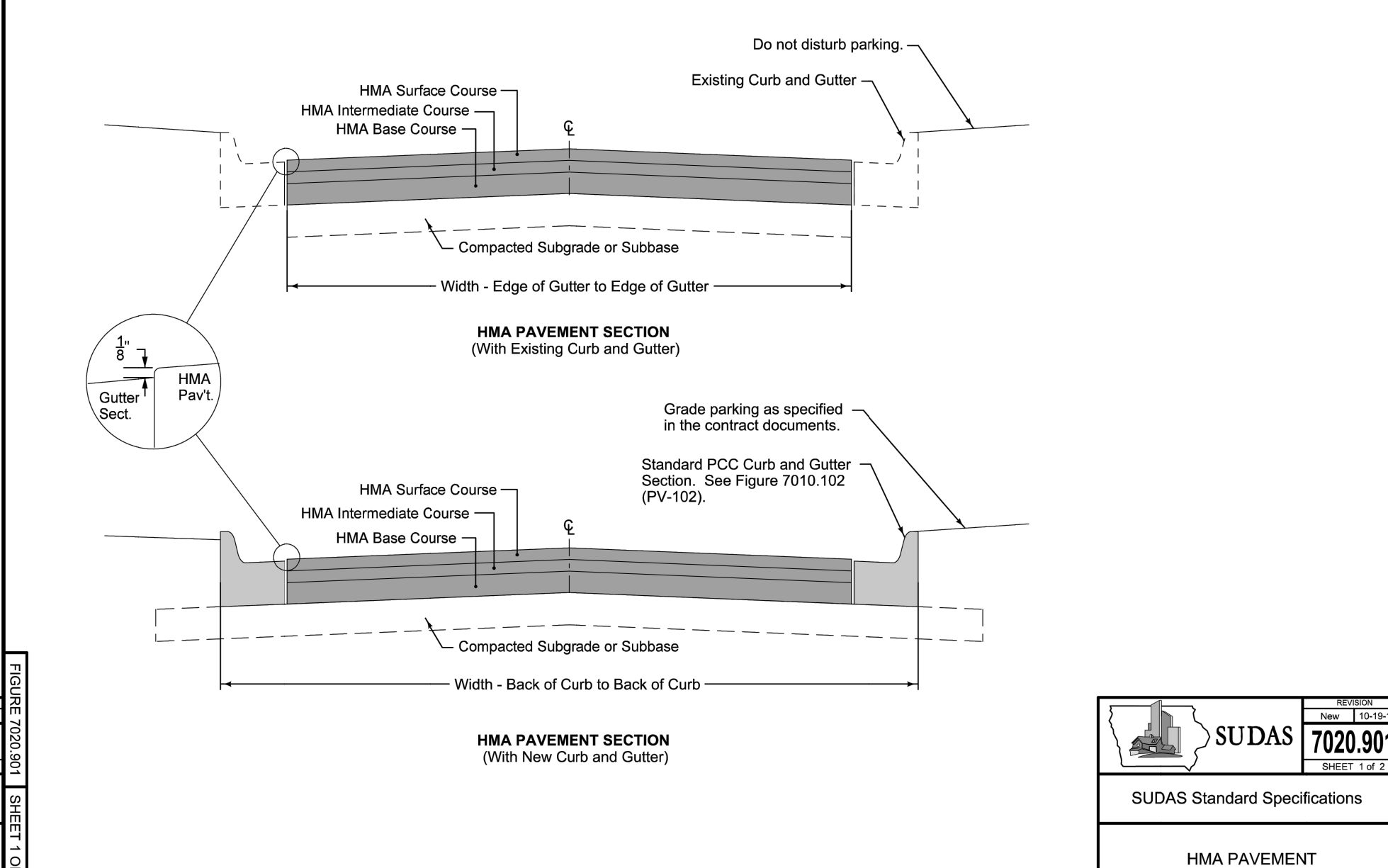


	REVISION	7030.209
	DATE	10-16-12
SUDAS Standard Specifications		
CURB RAMP FOR CLASS A SIDEWALK		

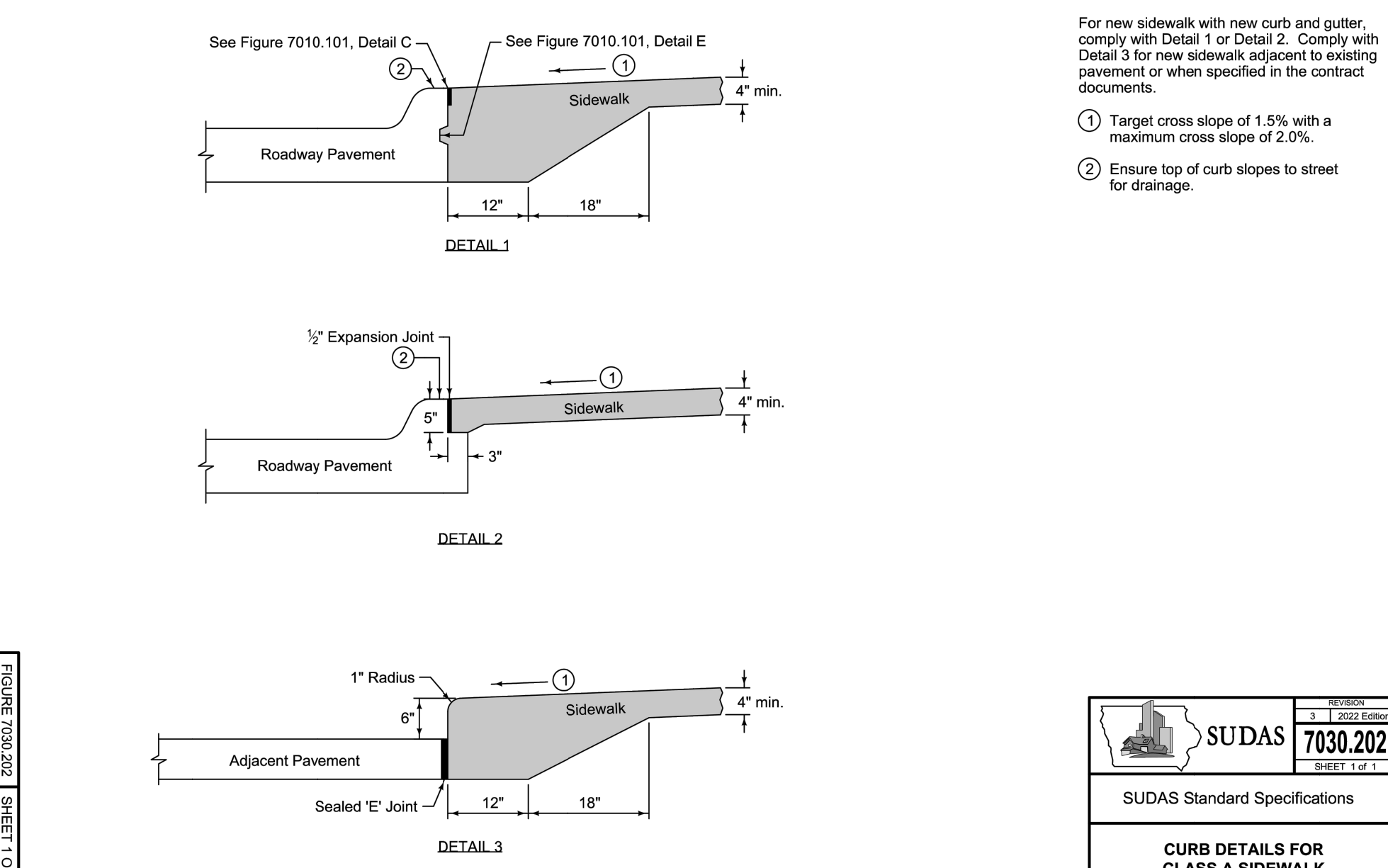


- 1 Minimum riser height is 4 inches. Maximum riser height is 7 inches.
- 2 Minimum tread depth is 11 inches.
- 3 Match existing sidewalk width.
- 4 Construct cross slope of landing to match adjacent sidewalk.
- 5 Slope tread 1% minimum to 2% maximum in any direction.
- 6 Weld post to anchor plate with 1/4 inch weld. Grind weld to provide smooth surface, free of burrs.

	REVISION	9080.101
	DATE	10-15-10
SUDAS Standard Specifications		
TYPE A CONCRETE STEPS WITH HANDRAIL		



	REVISION	7020.901
	DATE	10-15-10
SUDAS Standard Specifications		
HMA PAVEMENT		



	REVISION	7030.202
	DATE	10-16-12
SUDAS Standard Specifications		
CURB DETAILS FOR CLASS A SIDEWALK		

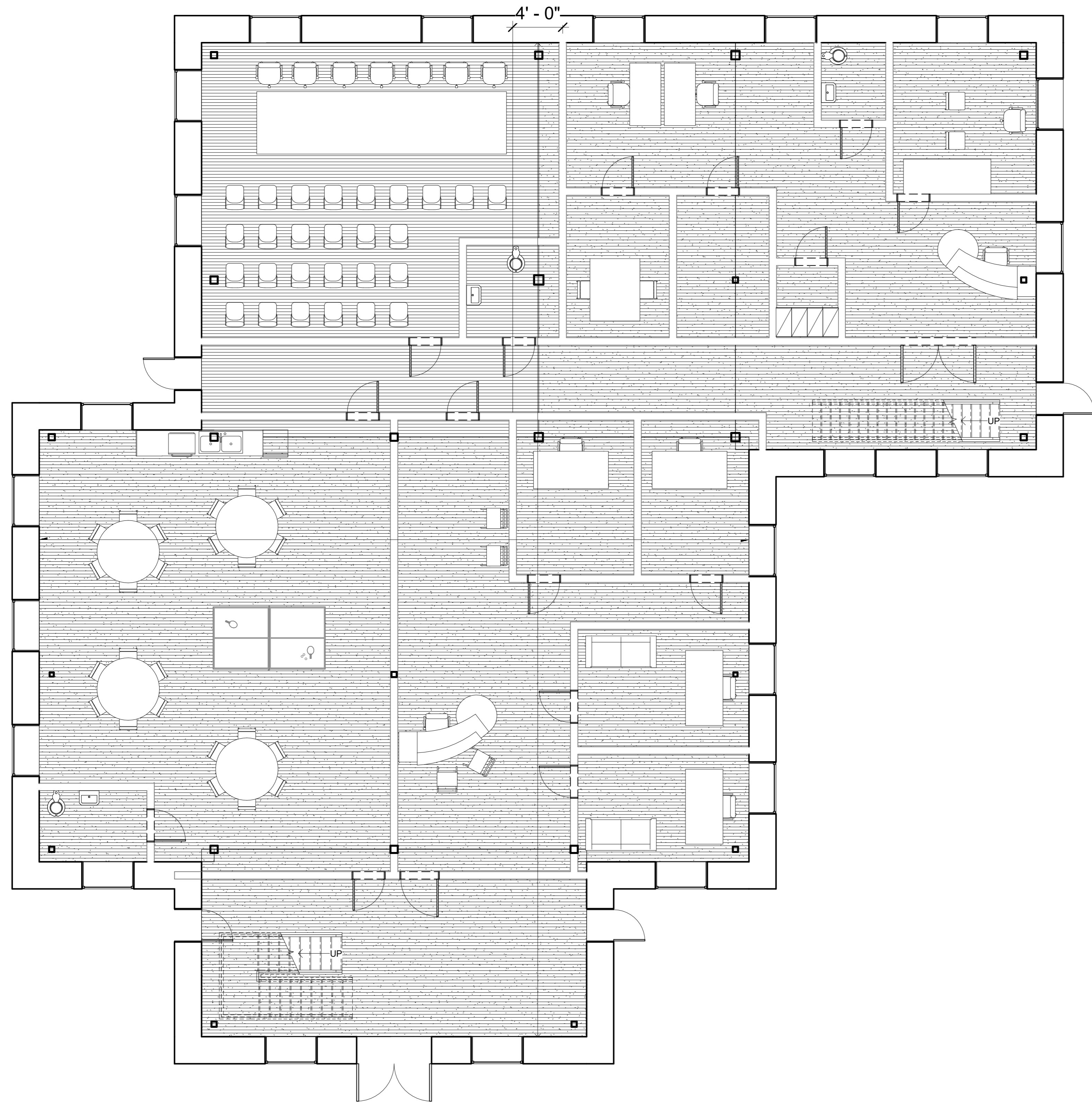
PROJECT: CEE: 4850
 DATE: 11/18/2022
 DRAWN BY: BJA
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 LANSING, IA 52151

SHEET NAME: DETAILS
 SHEET NO.: C106



① FIRST FLOOR ARCHITECTURAL PLAN
3/16" = 1'-0"

PROJECT: CEE/E 46630

DATE: 11/18/2012

DRAWN BY: DGE

REVISION:

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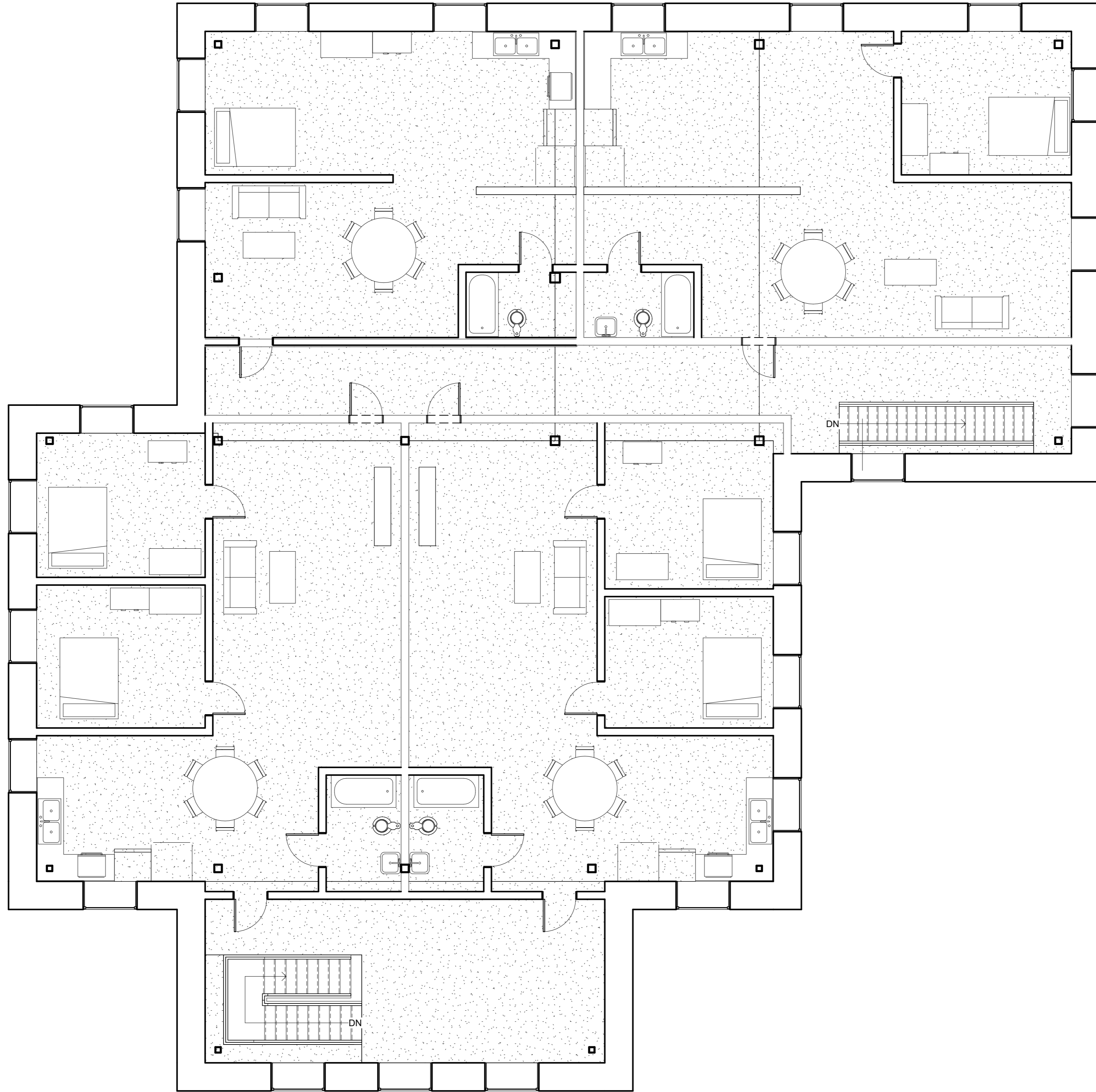
LANSING, IA 52151

SHEET NAME

FIRST FLOOR
ARCHITECTURAL PLAN

SHEET NO.

A101



1 SECOND FLOOR ARCHITECTURAL PLAN
3/16" = 1'-0"

PROJECT: CEEEF1469D

DATE: 11/18/2012

DRAWN BY: DGE

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SHEET NAME

SECOND FLOOR
ARCHITECTURAL PLAN

SHEET NO.

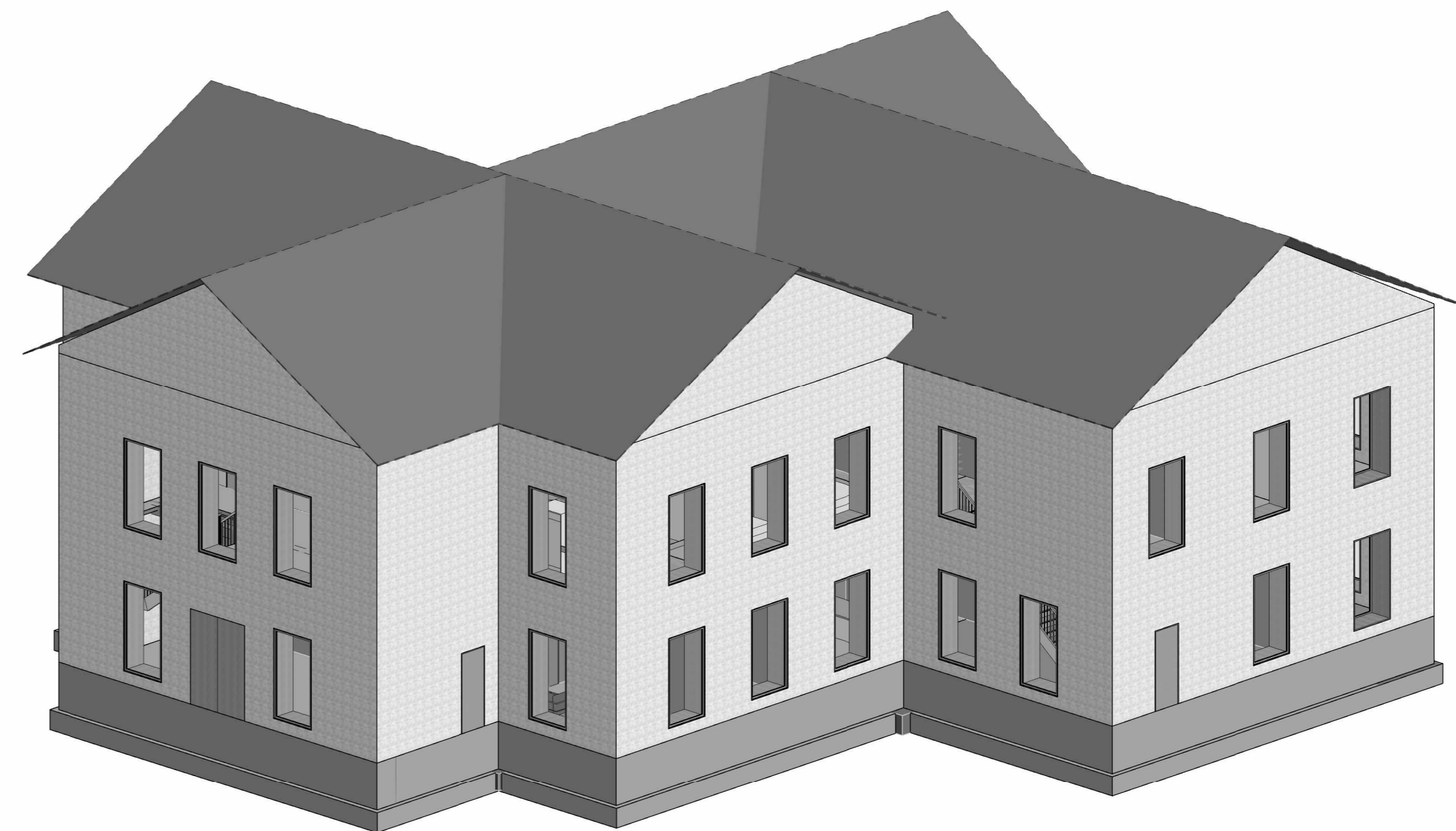
A102

GENERAL NOTES

1. THE STRUCTURAL PLANS AND SPECIFICATIONS, TO THE BEST OF OUR KNOWLEDGE, COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE 2018 AND THE STATE OF IOWA AMENDMENTS.
 2. ALL LOADS ARE DESIGNED FOR RISK CATEGORY IV. ALL LOADING IS SUMMARIZED IN THE DIAGRAMS TO THE RIGHT AND BELOW.
 - A. 87 PSF UNBALANCED SNOW LOADING APPLIED TO RIGHT OR LEFT SIDE OF ROOF
 - B. 100 PSF LIVE LOAD APPLIED TO FIRST FLOOR
 - C. 40 PSF LIVE LOAD APPLIED TO SECOND FLOOR
 - D. 20 PSF ROOF LIVE LOAD APPLIED TO ROOF LOAD
 - E. 54 PSF DEAD LOAD APPLIED TO ALL FIRST FLOOR AND SECOND FLOOR AREAS
 - F. 34 PSF DEAD LOAD APPLIED TO ROOF
- IBC 2018 LOAD CALCULATION REQUIREMENTS
1. 1603.1.1 FLOOR LIVE LOAD
 - A. THE UNIFORMLY DISTRIBUTED, CONCENTRATED AND IMPACT FLOOR LIVE LOAD USED IN THE DESIGN SHALL BE INDICATED FOR FLOOR AREAS. USE OF LIVE LOAD REDUCTION IN ACCORDANCE WITH SECTION 1607.11 SHALL BE INDICATED FOR EACH TYPE OF LIVE LOAD USED IN THE DESIGN.
 2. 1603.1.2 ROOF LIVE LOAD
 - A. THE ROOF LIVE LOAD USED IN THE DESIGN SHALL BE INDICATED FOR ROOF AREAS (SECTION 1607.13)
 3. 1603.1.3 ROOF SNOW LOAD DATA
 - A. THE GROUND SNOW LOAD, PG, SHALL BE INDICATED IN AREAS WHERE THE GROUND SNOW LOAD, PG EXCEEDS 10 POUNDS PER SQUARE FOOT (PSF) (0.479 KN/M²), THE FOLLOWING ADDITIONAL INFORMATON SHALL ALSO BE PROVIDED, REGARDLESS OF WHETHER SNOW LOADS GOVERN THE DESIGN OF THE ROOF.
 1. FLAT ROOF SNOW LOAD, PF = 67 PSF
 2. SNOW EXPOSURE FACTOR CE = 1.1
 3. SNOW LOAD IMPORTANCE FACTOR, IS = 1.5 (RISK CATEGORY IV)
 4. SLOPE FACTOR, CS = 1.0
 5. THERMAL FACTOR, CT = 1.0
 6. DRIFT SURCHARGE LOADS, PD = 0 PSF
 7. WIDTH OF SNOW DRIFTS, W = 0 FT
 4. 1603.1.4 WIND DESIGN DATA
 - A. THE FOLLOWING INFORMATION RELATED TO THE WIND LOADS SHALL BE SHOWN, REGARDLESS OF WHETHER THE WIND LOADS GOVERN THE DESIGN FOR THE LATERAL FORCE RESISTING SYSTEM OF THE STRUCTURE.
 1. BASIC DESIGN WIND SPEED, V = 120 MPH
 2. RISK CATEGORY = IV
 3. APPLICABLE INTERNAL PRESSURE COEFFICIENT, GCPI = 0.18
 4. DESIGN WIND PRESSURES TO BE USED FOR EXTERIOR COMPONENT AND CLADDING MATERIALS NOT SPECIFICALLY DESIGNED BY THE REGISTERED DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE, PSF (KN/M²)
 5. Steel Notes:
 - A. ALL STEEL MEMBERS DESIGNED USING ASCE 7 AND AISC STEEL MANUAL
 1. STEEL IS GRADE 50 KSI STEEL

GENERAL SITEWORK NOTES:

1. ALL SITE WORK SHALL BE COMPLETED IN COMPLIANCE WITH THE IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS MANUAL
2. LOCATIONS OF THE EXISTING UTILITIES ARE UNKNOWN, CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF UTILITIES.
3. CONTRACTOR SHALL CONTACT IOWA ONE CALL 48 HOURS IN ADVANCE TO EXCAVATION
4. ALL SITE WORK SHALL BE IN COMPLIANCE WITH ALLAMAKEE COUNTY CODE
5. THE CONTRACTOR SHALL PLACE SILT FENCE AROUND THE LIMITS OF DISTURBANCE PRIOR TO CONSTRUCTION
6. THE CONTRACTOR SHALL PLACE REQUIRED TRAFFIC CONTROL DEVICES PRIOR TO CONSTRUCTION IN ACCORDANCE TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS



① ISO VIEW

PROJECT: CEEEEE16680
 DATE: 11/18/2012
 DRAWN BY: DGE
 REVISION:

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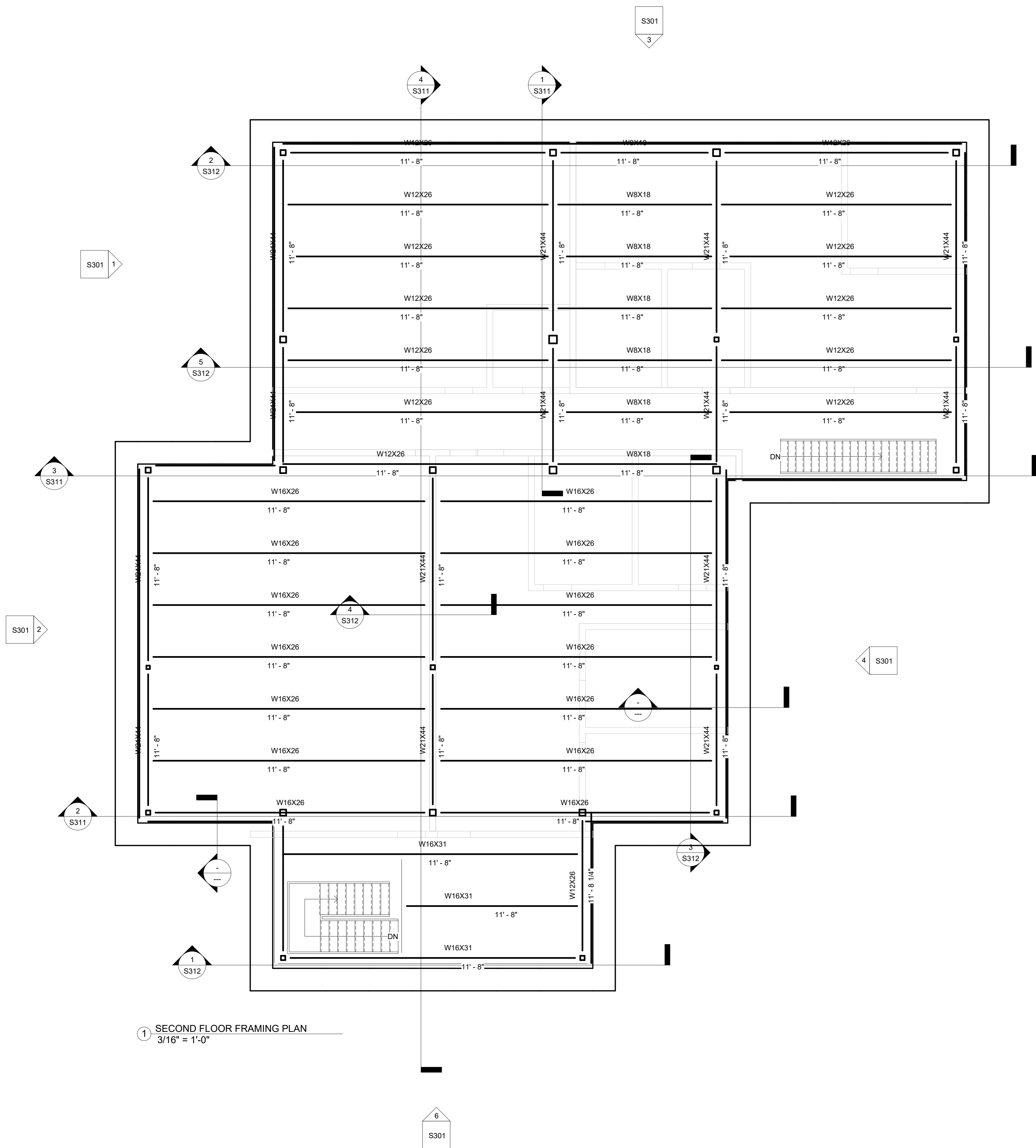


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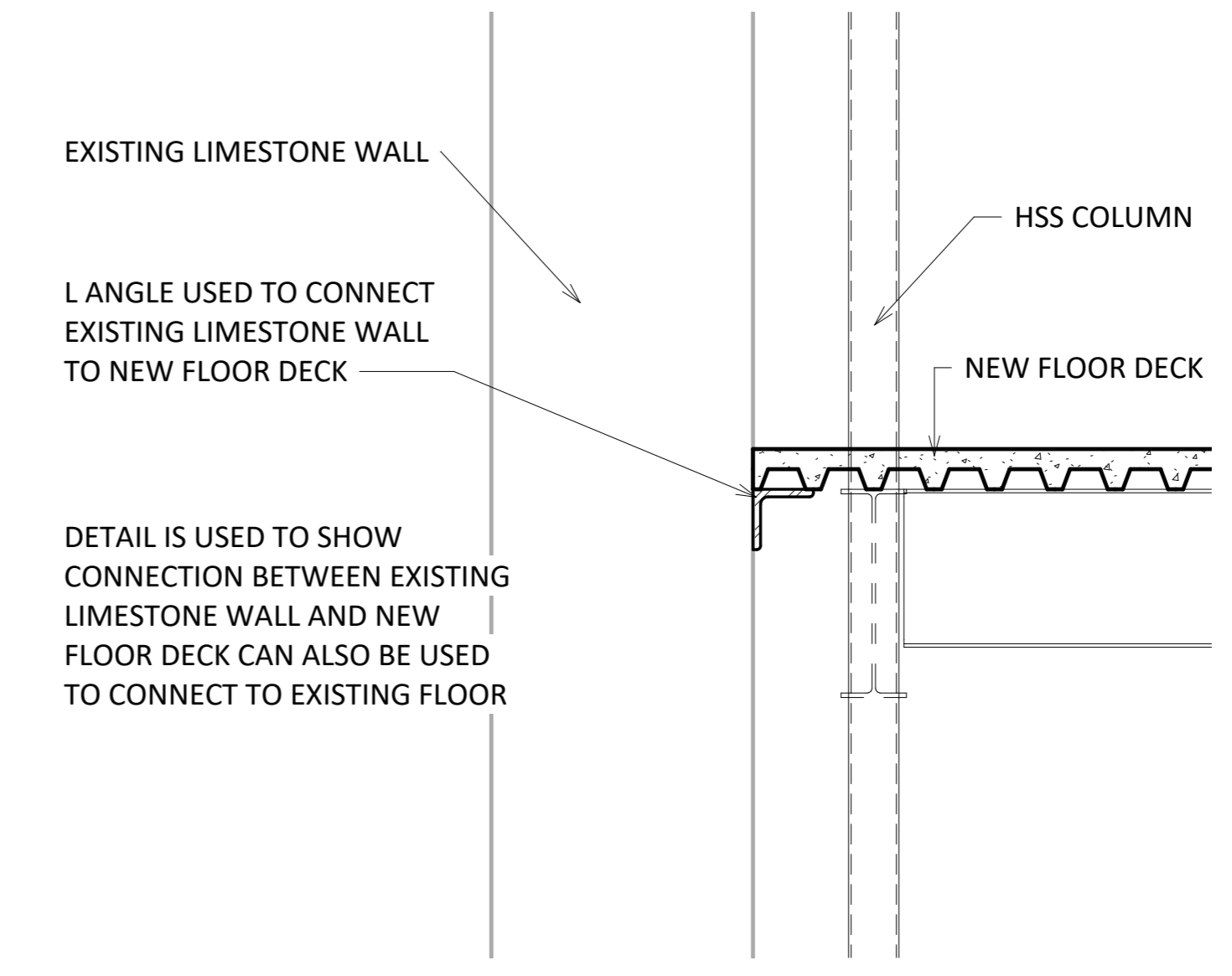
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SHEET NAME
 GENERAL NOTES

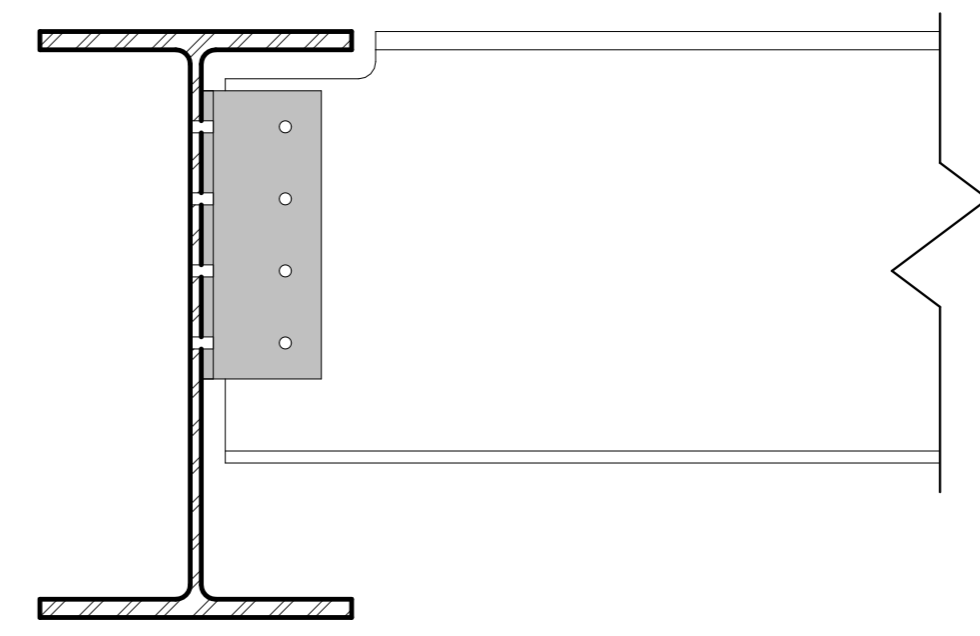
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S001



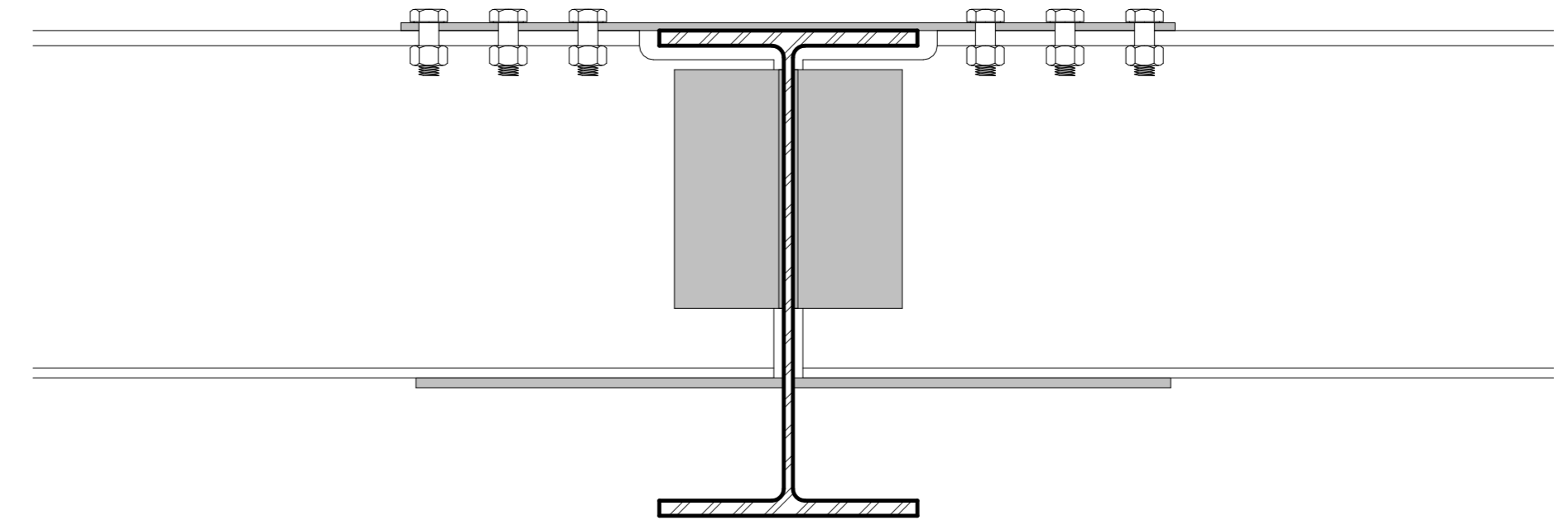
1 SECOND FLOOR FRAMING PLAN
3/16" = 1'-0"



2 TYPICAL FLOOR FRAMING DETAIL
3/4" = 1'-0"



3 SHEAR CONNECTION
3" = 1'-0"



4 TYPICAL FLOOR FRAMING DETAIL
3" = 1'-0"

PROJECT: CREEE1669D
DATE: 11/18/2012
DRAWN BY: DGL
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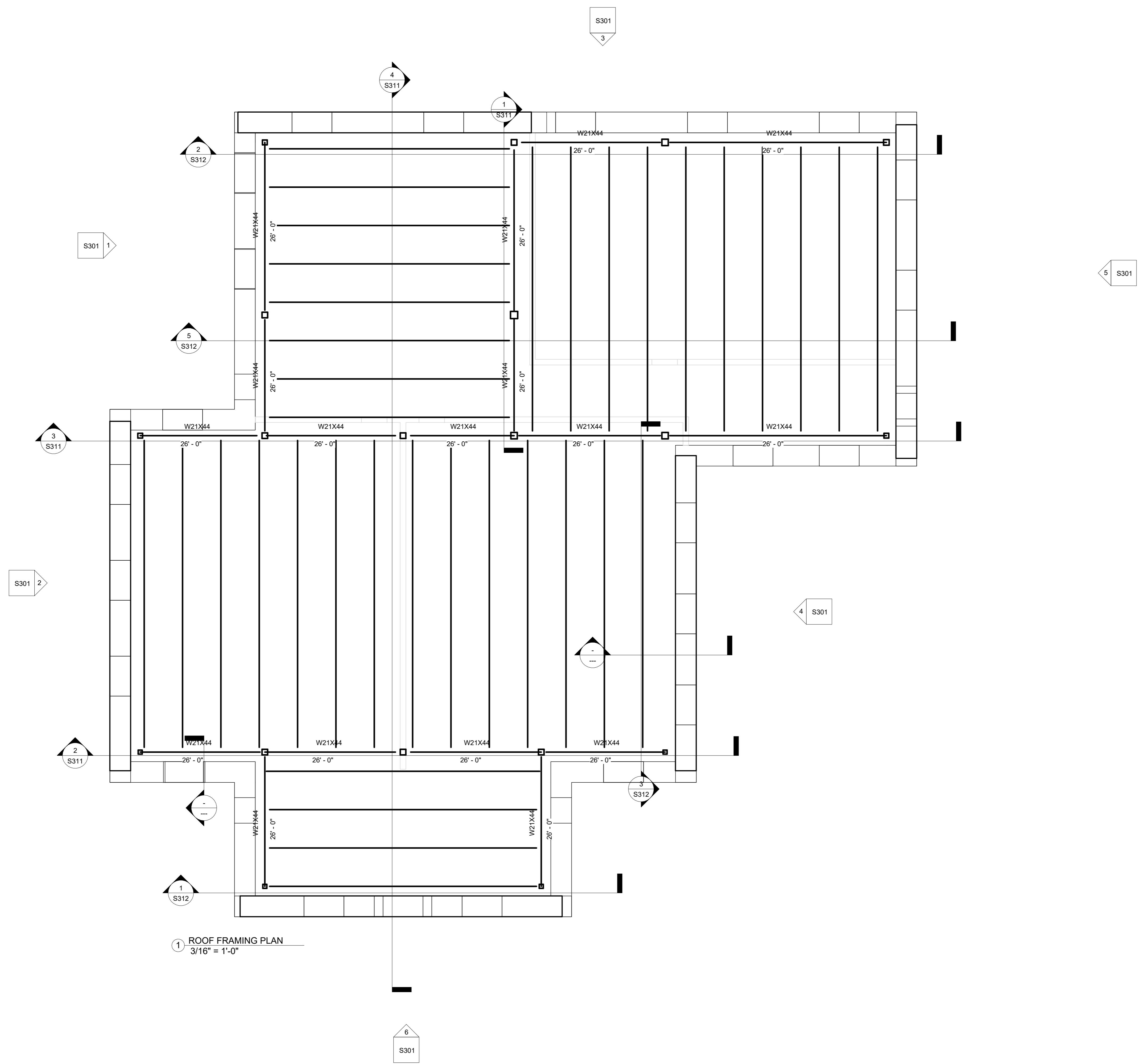
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LANSING LIMESTONE BUILDING

LANSING, IA 52151

SHEET NAME
SECOND FLOOR
STRUCTURAL PLAN

SHEET NO.
S102



PROJECT: CREEE16690
 DATE: 11/18/2012
 DRAWN BY: DGE
 REVISION:

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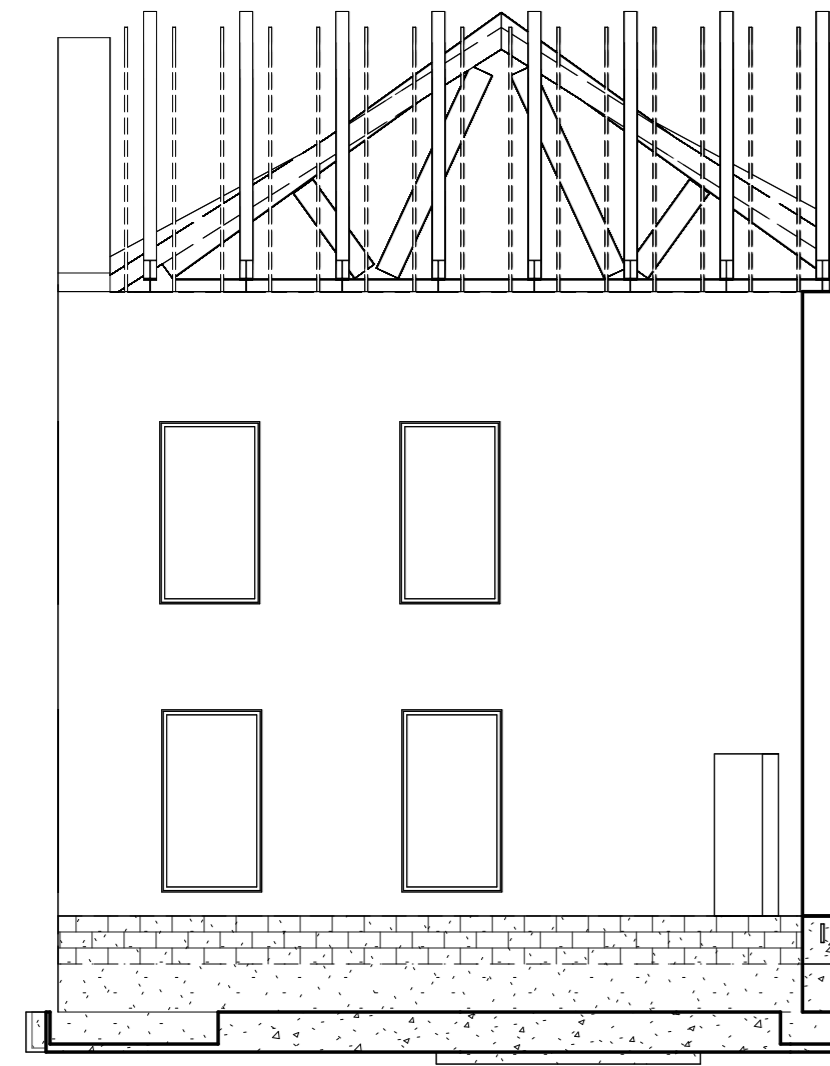


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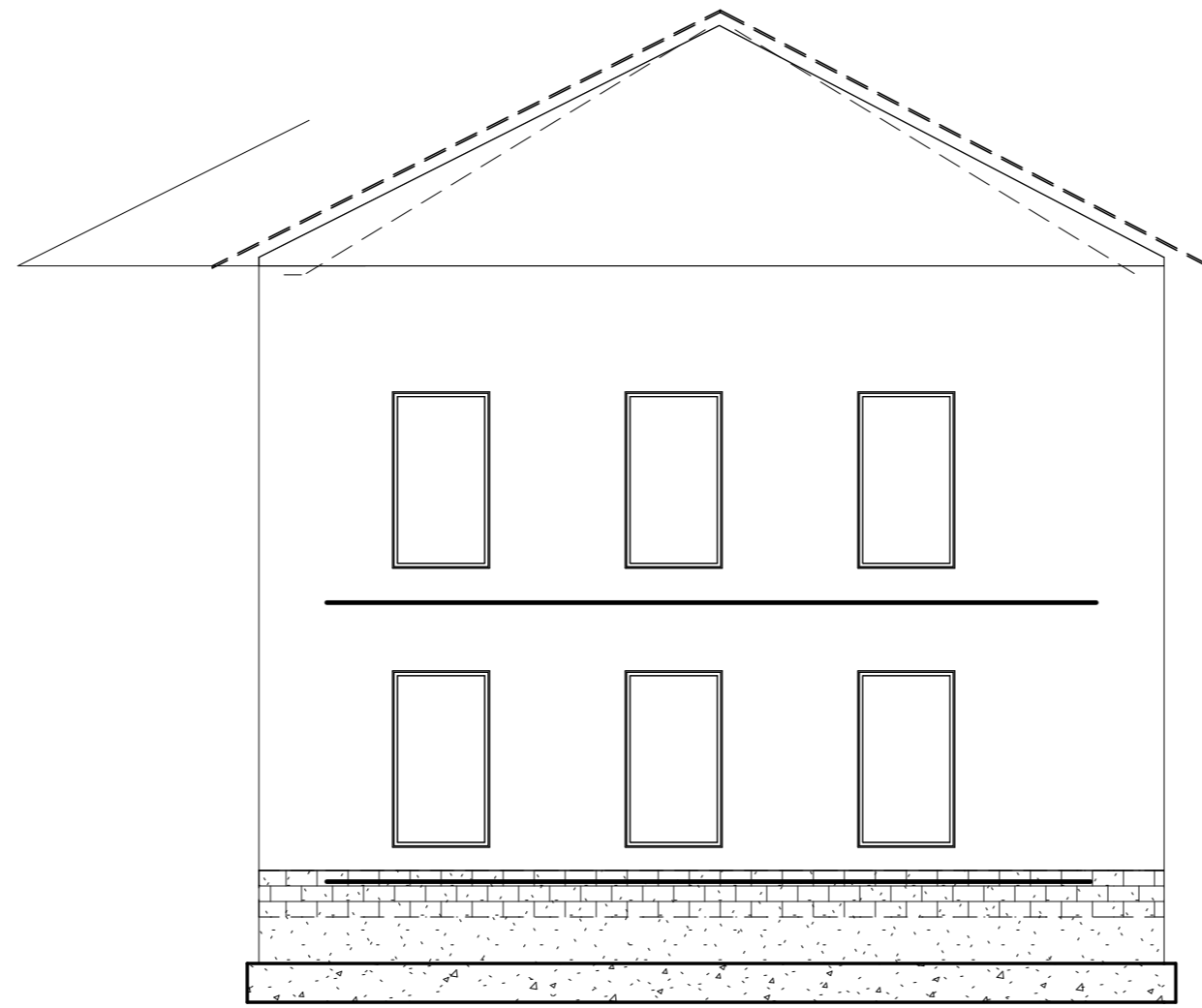
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SHEET NAME
 ROOF STRUCTURAL PLAN

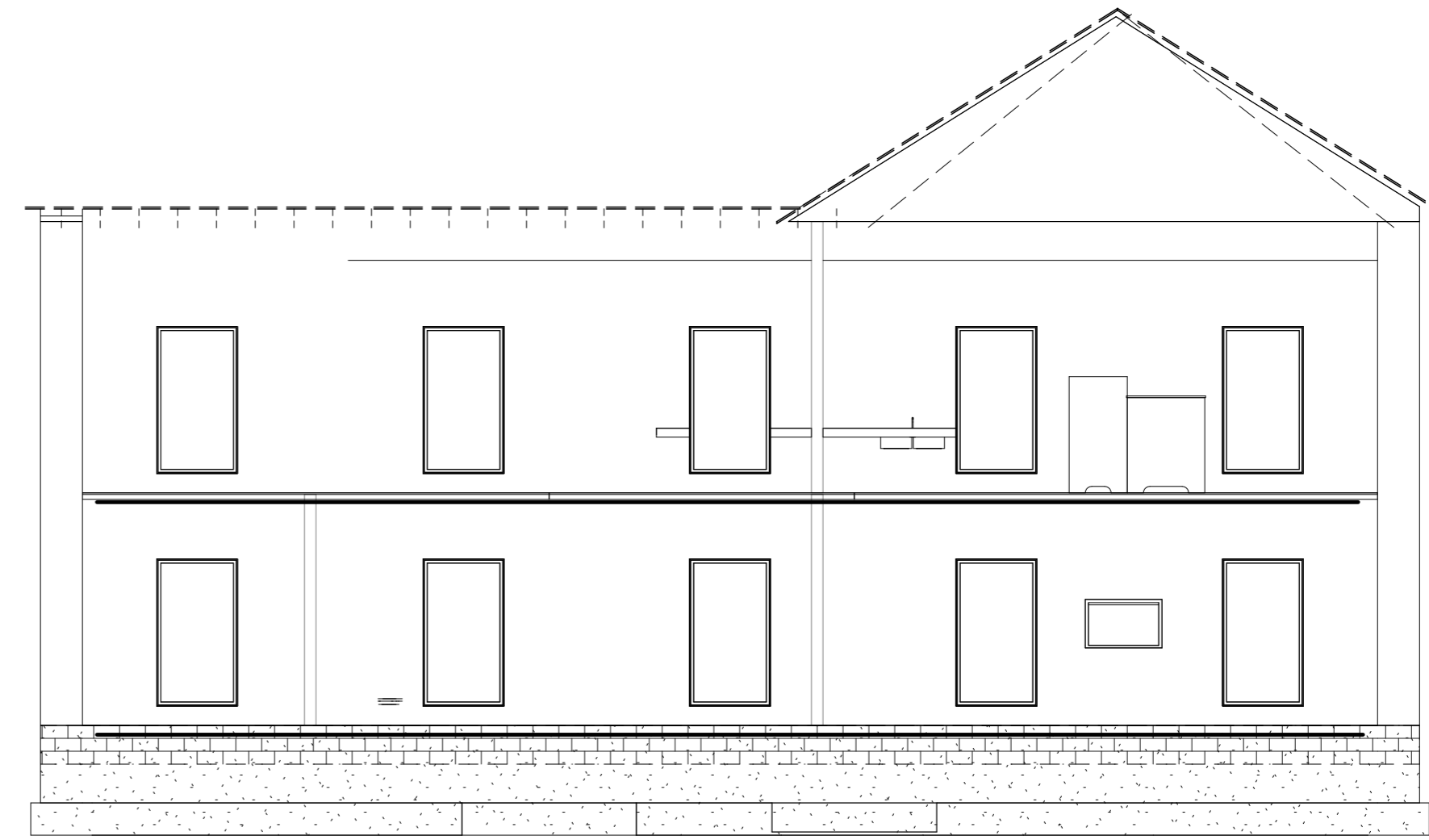
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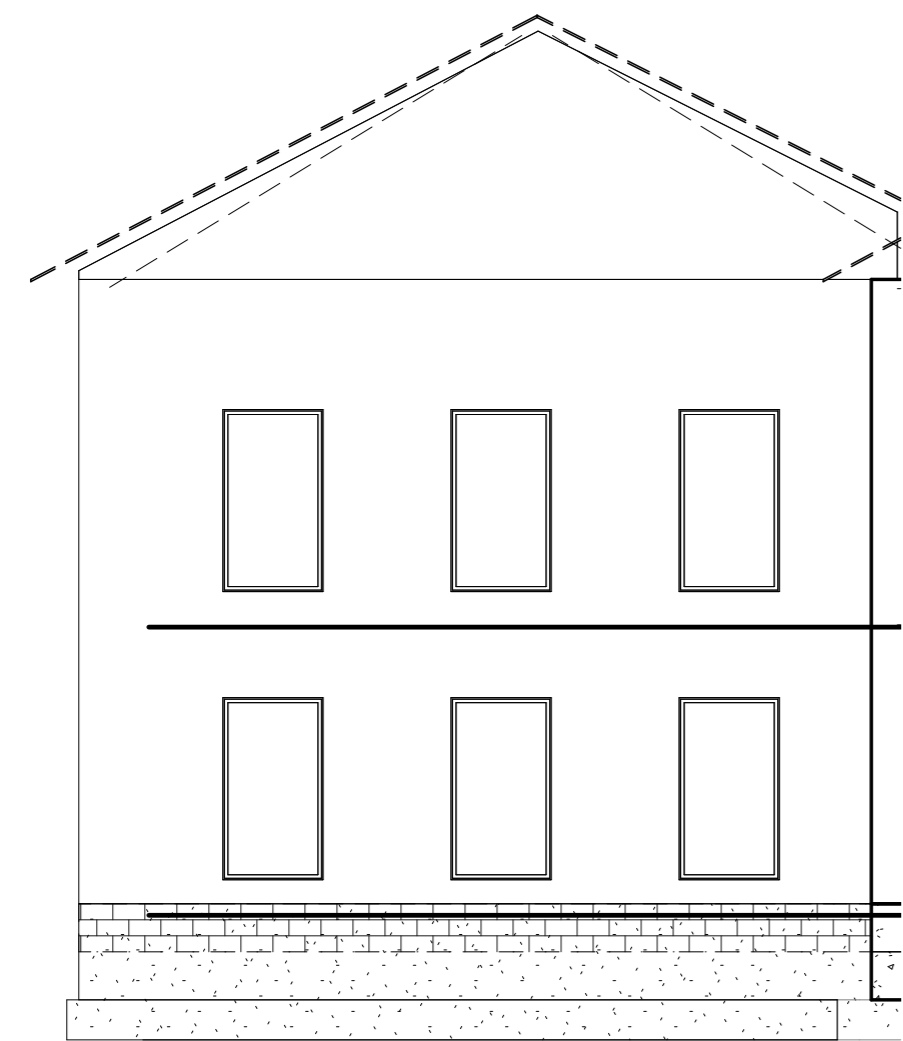
① BUILDING ELEVATION LOOKING WEST
1/8" = 1'-0"



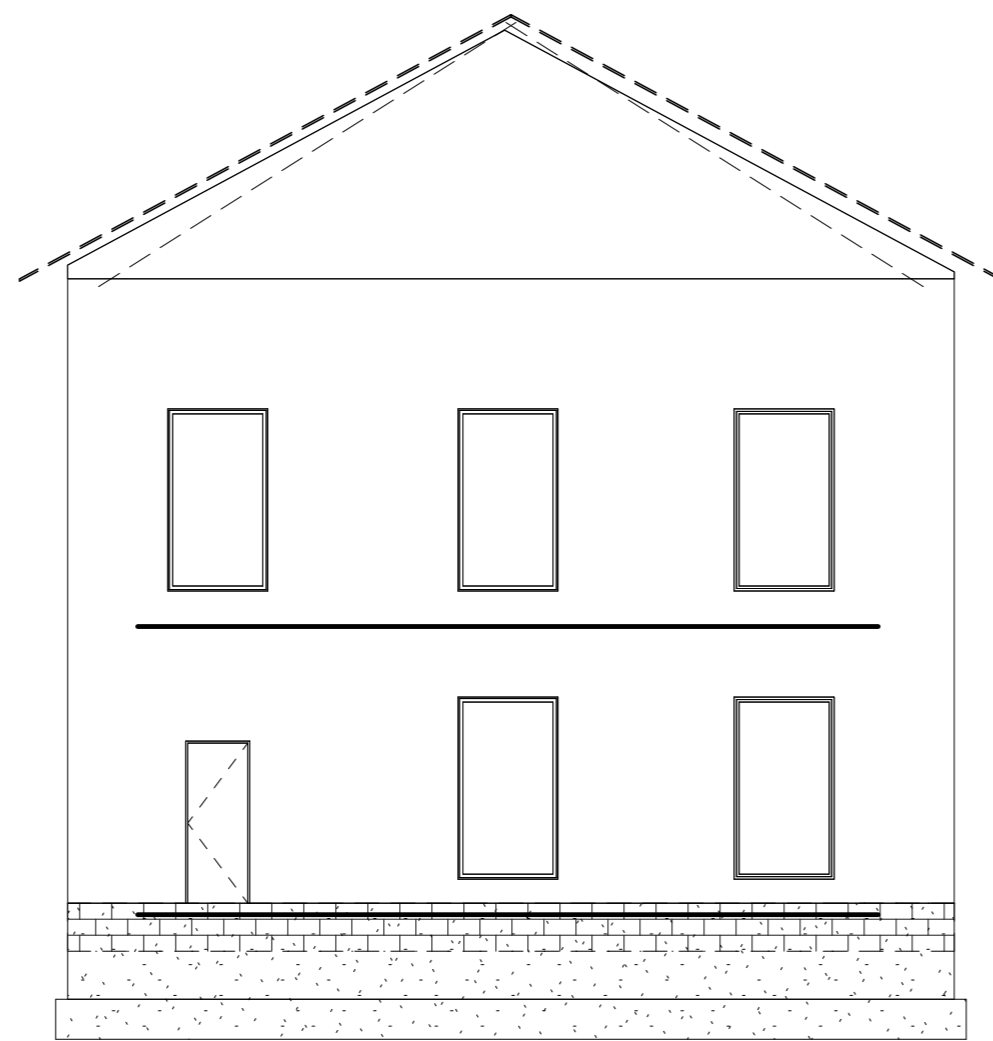
② BUILDING ELEVATION LOOKING WEST
1/8" = 1'-0"



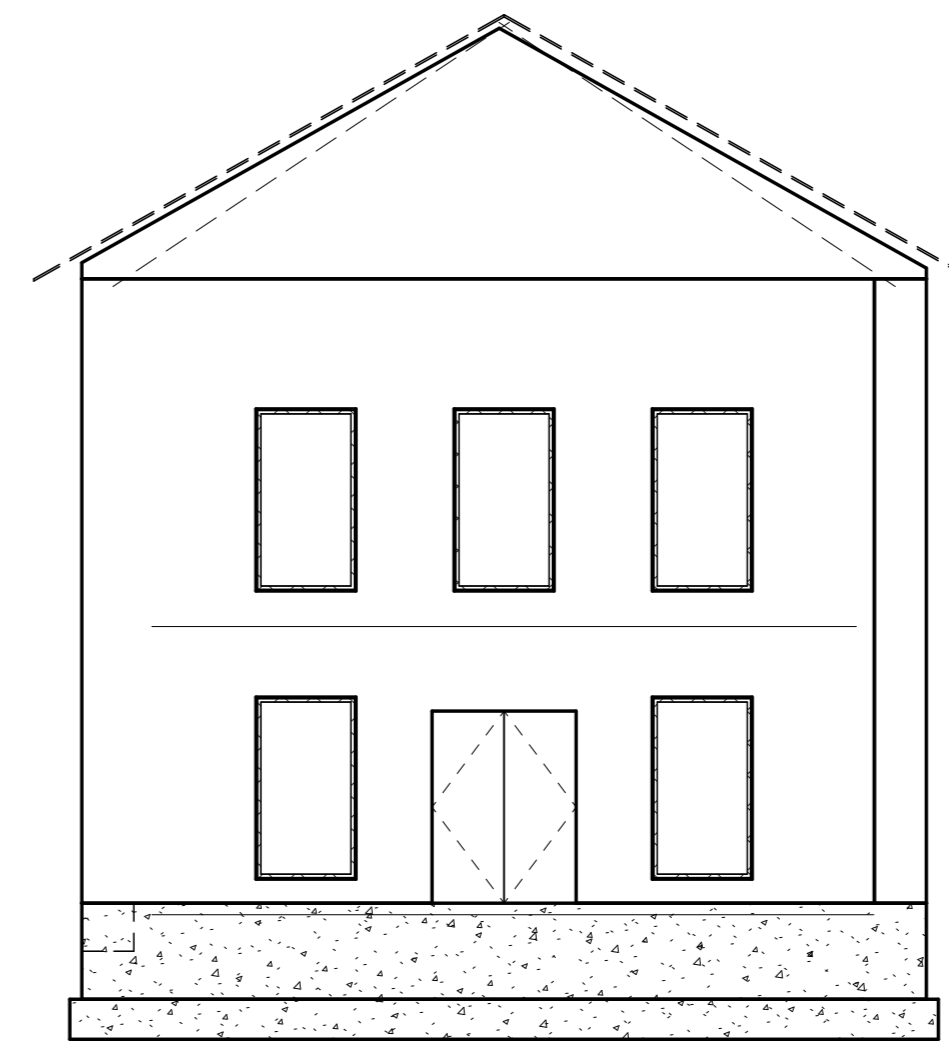
③ BUILDING ELEVATION LOOKING NORTH
1/8" = 1'-0"



④ BUILDING ELEVATION LOOKING EAST
1/8" = 1'-0"



⑤ BUILDING ELEVATION LOOKING EAST
1/8" = 1'-0"



⑥ BUILDING ELEVATION LOOKING SOUTH
1/8" = 1'-0"

PROJECT: CEEEF146930
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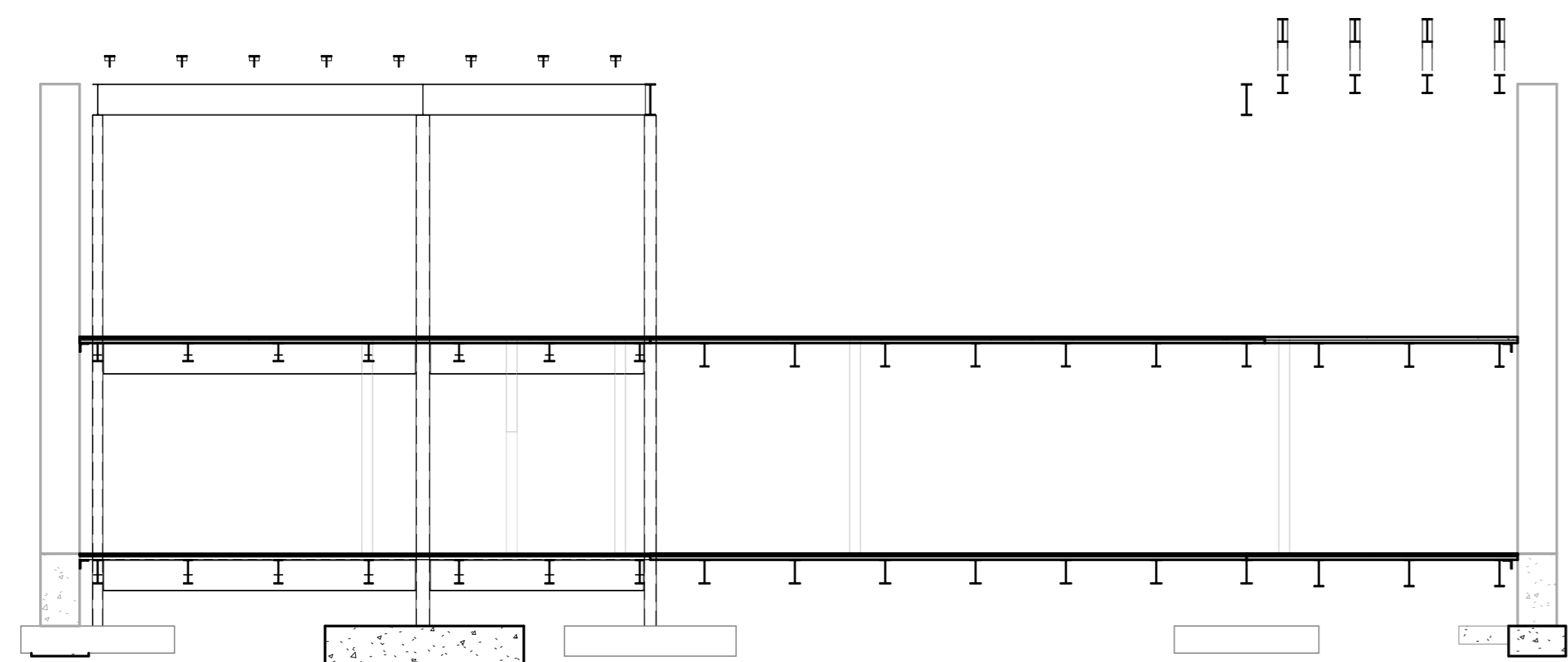
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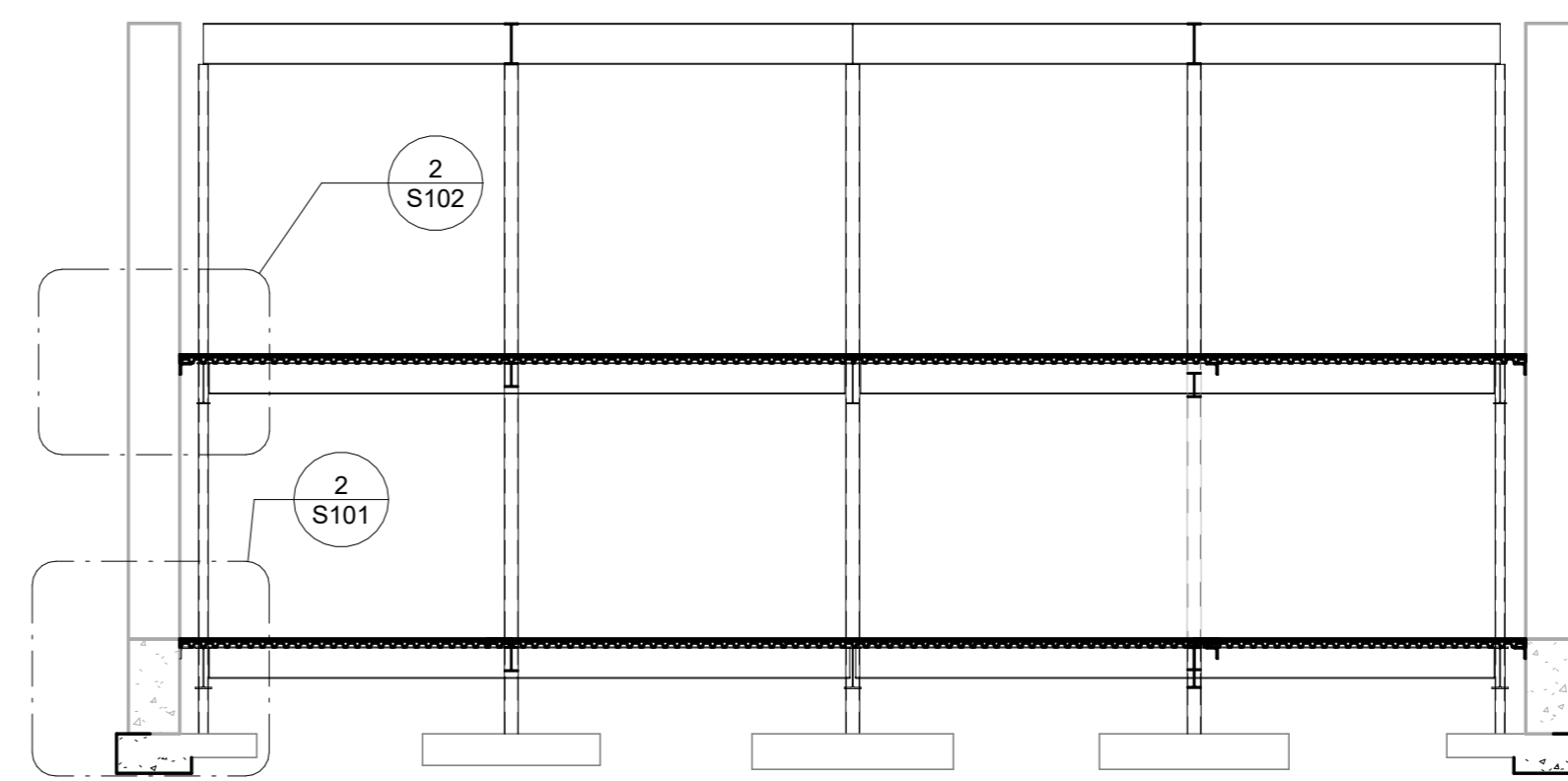
LANSING LIMESTONE BUILDING
LANSING, IA 52151

SHEET NAME
OVERALL
BUILDING ELEVATIONS

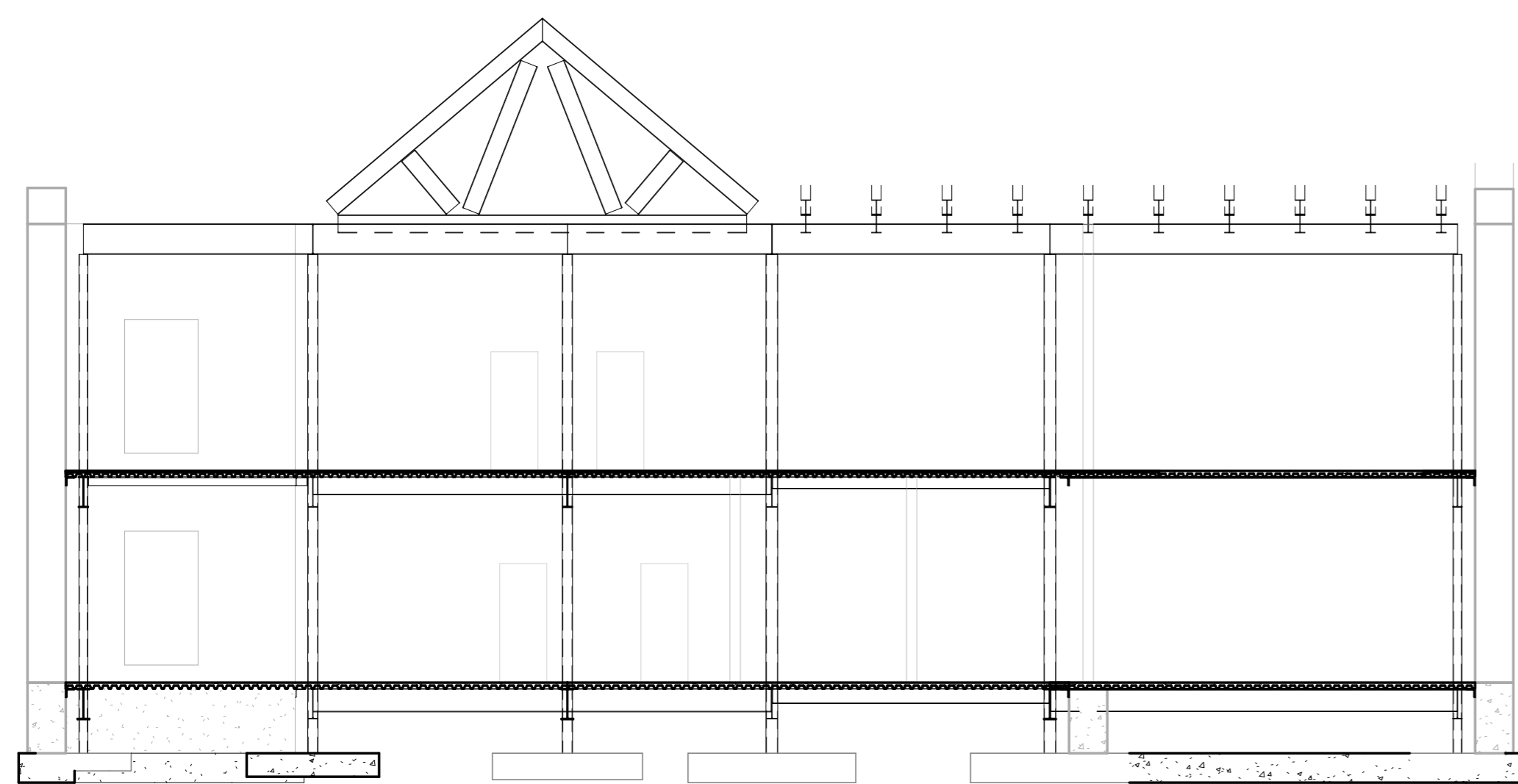
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S301



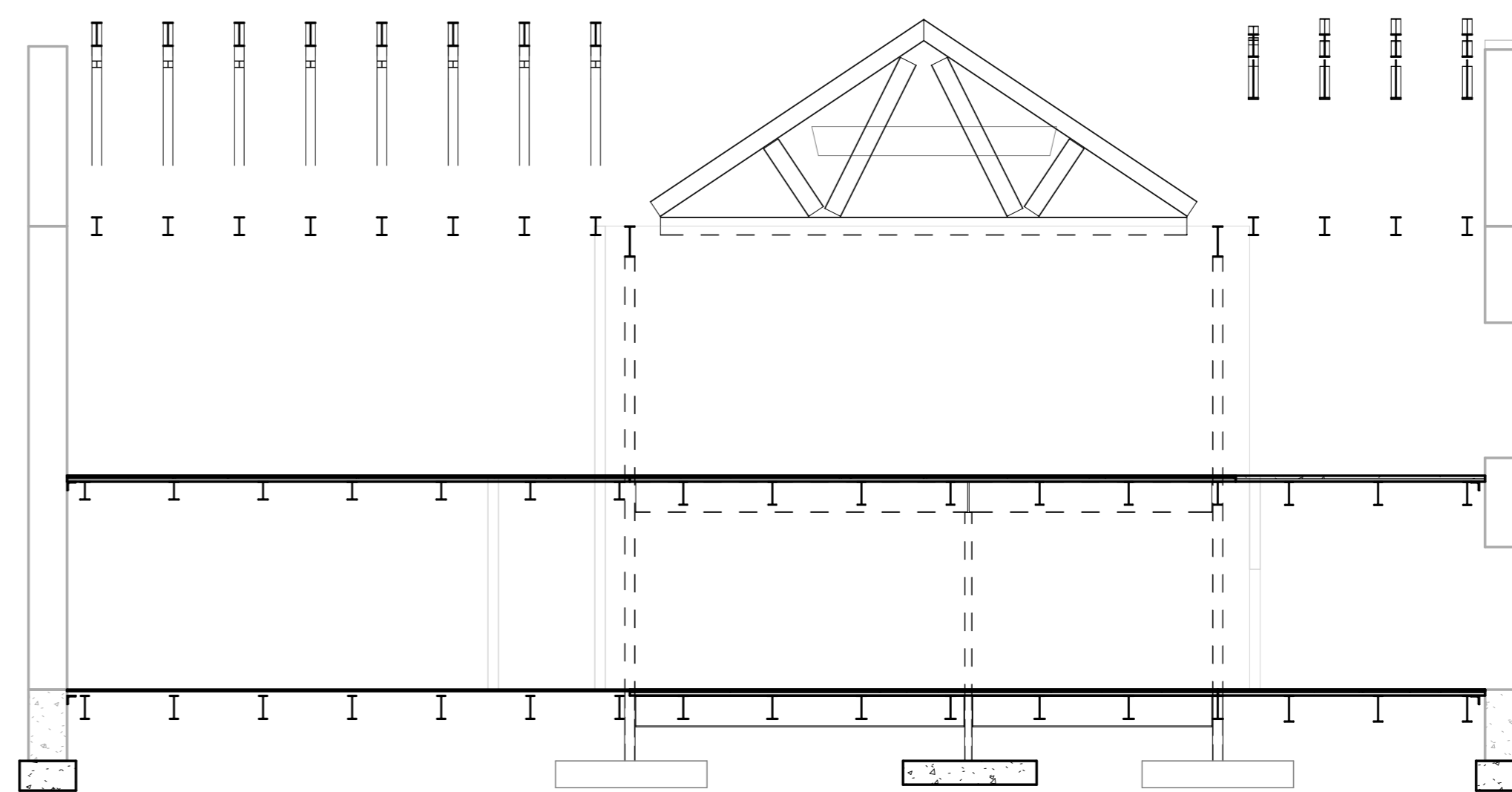
① BUILDING SECTION LOOKING WEST
1/8" = 1'-0"



② BUILDING SECTION LOOKING SOUTH
1/8" = 1'-0"



③ BUILDING SECTION LOOKING SOUTH
1/8" = 1'-0"



④ BUILDING SECTION LOOKING WEST
1/8" = 1'-0"

PROJECT: CEE/E 46630
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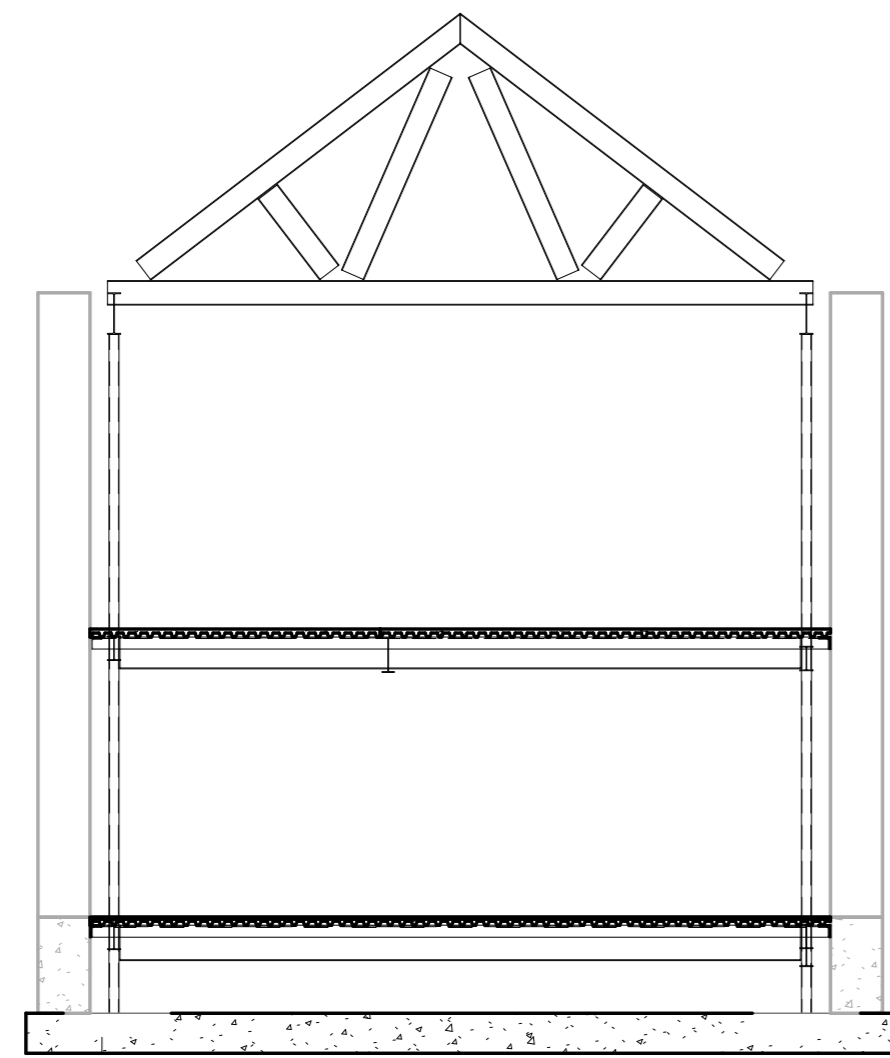
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LANSING LIMESTONE BUILDING

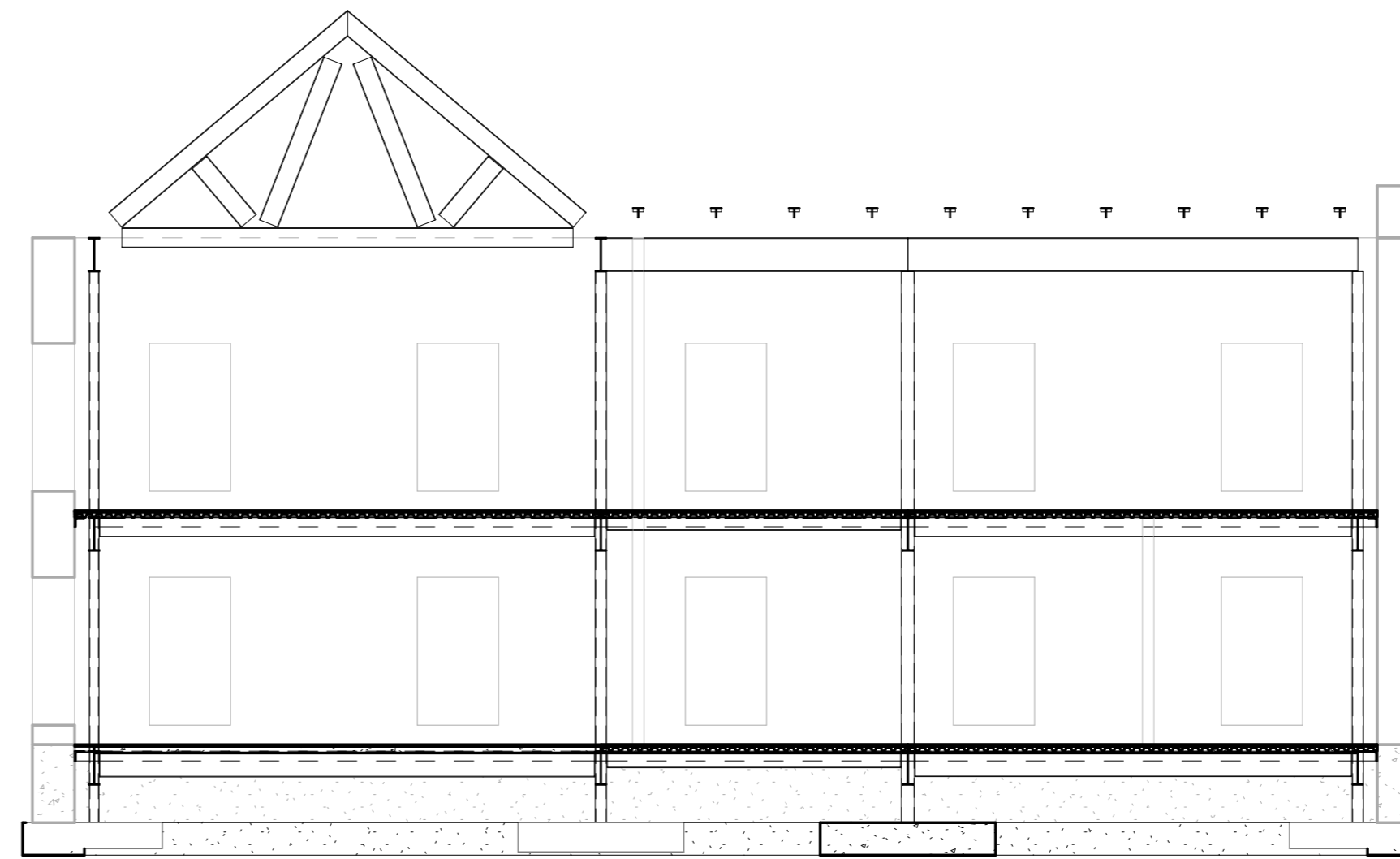
LANSING, IA 52151

SHEET NAME
 OVERALL
 BUILDING SECTIONS

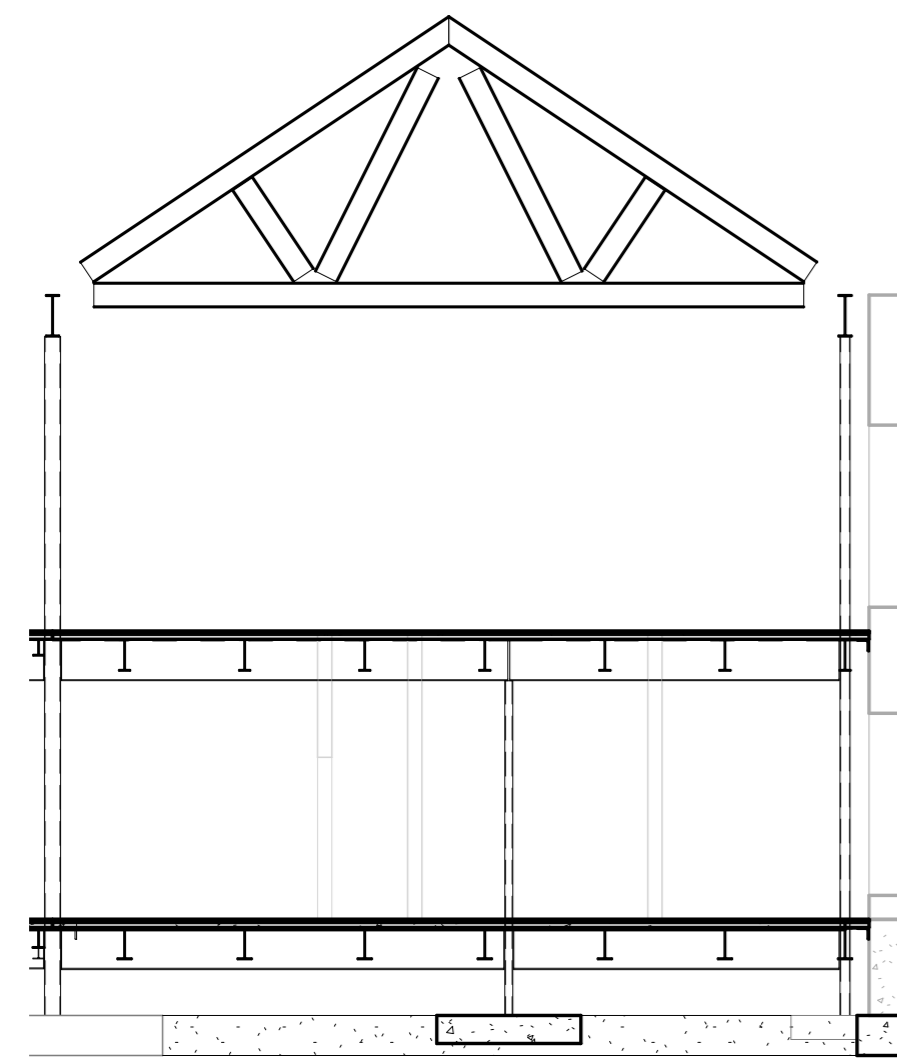
SHEET NO.
S311



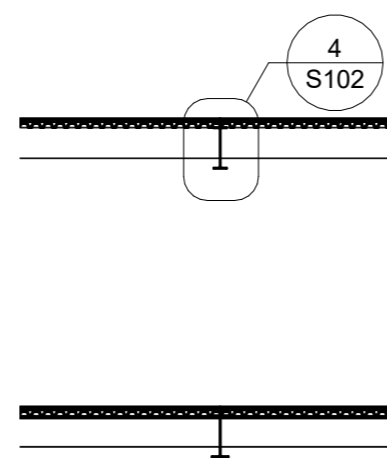
① BUILDING SECTION LOOKING SOUTH
1/8" = 1'-0"



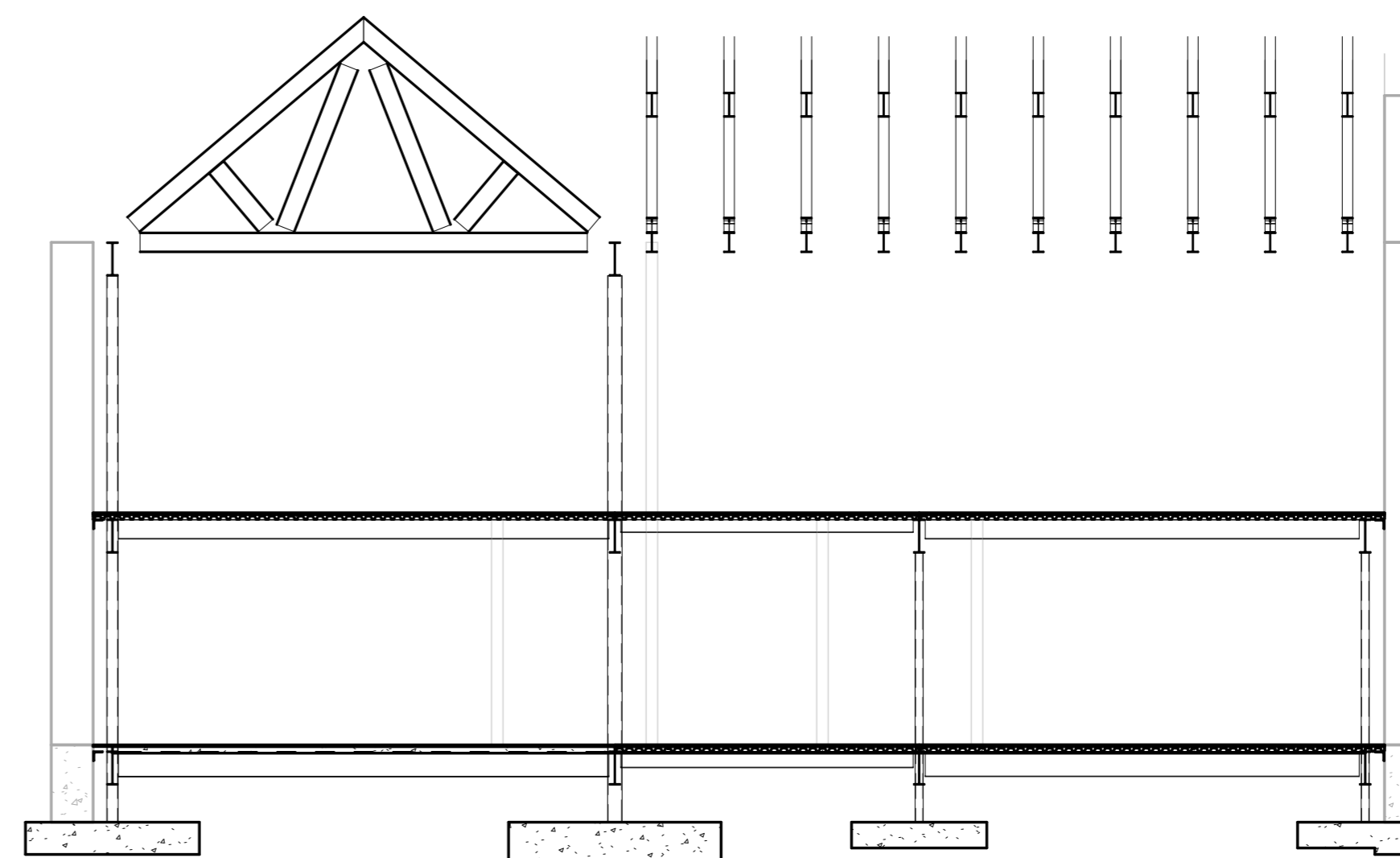
② BUILDING SECTION LOOKING SOUTH
1/8" = 1'-0"



③ BUILDING SECTION LOOKING WEST
1/8" = 1'-0"



④ BUILDING SECTION LOOKING SOUTH
1/8" = 1'-0"



⑤ BUILDING SECTION LOOKING SOUTH
1/8" = 1'-0"

PROJECT: CEE/E 16630
DATE: 11/18/2012
DRAWN BY: DGE
REVISION:

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LANSING LIMESTONE BUILDING

LANSING, IA 52151

SHEET NAME
OVERALL
BUILDING SECTIONS

SHEET NO.
S312