

Town of Islip  
Geographic Table Design Requirements  
For Commercial and Residential Permits  
2020 NYS Uniform Code

The Town of Islip is within a hurricane prone region, Climate Zone 4a.

TABLE R301.2(1) CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA													
GROUND SNOW LOAD	WIND DESIGN				SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP	ICE BARRIER REQUIRED	FLOOD HAZARDS	AIR FREEZING INDEX	MEAN ANNUAL TEMP
	Speed (mph)	Topographic Effects	Special Wind Region	Wind-Born Debris Zone		Weathering	Frost Line Depth	Termite					
20	130 Vult	no	no	1 Mile from Coast and Fire Island	B	Severe	BOF 3 FT BFG	Mod To Heavy	See Below	Yes	Call the Plans Examiners Office	599	51° F

MANUAL J CRITERIA REQUIRED IN SUBMITTED CALCULATIONS							
ELEVATION	LAT	WINTER HEATING	SUMMER COOLING	ALTITUDE CORRECTION FACTOR	INDOOR DESIGN TEMP	DESIGN TEMPERATURE COOLING	HEATING TEMPERATURE DIFFERENCE
108 FT	41° N	15° F	86° F	1.00	70° F	75° F	55° F
Cooling Temperature Difference	Wind Velocity Heating		Wind Velocity Cooling	Coincident Wet Bulb	Daily Range	Winter Humidity	Summer Humidity
11° F	15 MPH		7.5 MPH	72° F	Medium (M)	40%	32 GR @50% RH

IBC CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA													
GROUND SNOW LOAD	WIND DESIGN				SEISMIC CATEGORY	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP	ICE BARRIER REQUIRED	FLOOD HAZARDS	AIR FREEZING INDEX	MEAN ANNUAL TEMP
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20	130 Vult	No	No	1 Mile from Coast and Fire Island	B	Severe	BOF 3 FT BFG	Mod To Heavy	See Below	Yes	Call the Plans Examiners Office	599	51° F

- Winter Design Temp:
- Interior spaces intended for human occupancy shall be provided with an indoor temperature of not less than 68° F at a point 3 feet above the floor on the design heating day
  - System design shall be based on max 72° F heating, minimum 75° F cooling
  - Degree days (NY LaGuardia) 4811, Winter Design Temp 15° F, Dry Bulb 89° F, Wet Bulb 75° F (2020 IPC Appendix D)
  - As per NYSBC 2020 Chapter 16 section 1609 and ASCE 7 2016, wind exposure category and surface roughness is B
  - Use C for both South Shore and Fire Island

Page 1 of 1  
Geographic Table Design Requirements for Residential and Commercial 2020 – 2020-07-01

ARCHITECURAL

SHEET NUMBER	CONTENTS
A-100	COVER SHEET
A-101	FOUNDATION PLAN
A-102	FIRST FLOOR PLAN
A-103	ADA PLAN
A-104	REFLECTED CEILING PLAN
A-105	ROOF PLAN
A-106	ELEVATIONS
A-107.1	SECTIONS
A-108	DETAILS
A-109	PLUMBING RISER

TYPICAL ABBREVIATIONS

A/C: Air Conditioner

A.C.: Asphaltic Concrete

ACI: American Concrete Institute

Acous.: Acoustical

ADA: Americans with Disabilities Act of 1992

Adj.: Adjustable

Bd.: Board

Brz.: Bronze

Cab.: Cabinet

BV: Cadmium or Computer-Aided Drafting

C.C.: Center to Center

C.D.: Construction Document

Cem.: Cement

Cer.: Ceramic

C.I.: Cast Iron

CL.: Closet

FRPF:Fireproof

FS: Far Side

FT.: Feet or Foot

FTG: Fitting

GA.: Gauge

Galv.: Galvanized

G.C.: Gen

Int.: Interior

Inv.: Invert

GENERAL NOTES:

- GENERAL NOTES APPLY TO ALL DRAWINGS
- DO NOT SCALE DRAWINGS. ANY DIMENSIONAL INFORMATION REQUIRED WHICH IS NOT INDICATED ON DRAWING DIMENSION STRINGS SHALL BE OBTAINED FROM THE ARCHITECT.
- DIMENSIONS SHOWN ARE FINISH SURFACE OF EXISTING CONSTRUCTION, UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS (I.E. EXISTING MATERIALS, FRAMING MEMBER SIZES AND LOCATIONS, METHODS OF CONSTRUCTION). IF DISCREPANCIES ARE FOUND, NOTIFY ARCHITECT BEFORE PROCEEDING WITH WORK.
- CONTRACTOR SHALL PAY ALL PERMIT FEES.
- CONTRACTOR SHALL MAINTAIN THE IMMEDIATE CONSTRUCTION SITE IN A SECURE, CLEAN AND SAFE MANNER.
- PROTECTION: CONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR TAKING ALL STEPS NECESSARY TO PROTECT THE PUBLIC FROM INJURY AND ADJACENT PROPERTY DAMAGES DURING CONSTRUCTION AS REQUIRED BY LOCAL CODES.
- REPAIR ALL EXISTING CONSTRUCTION AFFECTED BY NEW WORK TO ITS ORIGINAL CONDITION

OWNER

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PODDO  
DESIGNERS

FARMINGDALE STATE  
COLLEGE DEPARTMENT OF  
ARCHITECTURE AND  
CONSTRUCTION  
MANAGEMENT

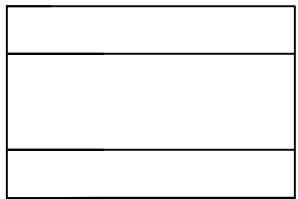
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PROJECT ADDRESS:

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CLASS: ARC 310  
DATE: 5/14/25

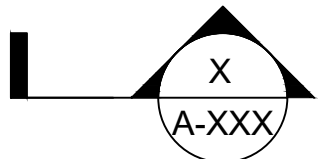
COVER SHEET

A-100

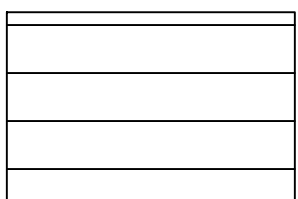
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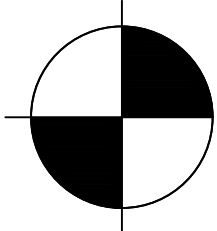
SPLIT FACE  
BLOCK



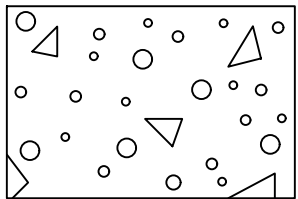
SECTION MARKER



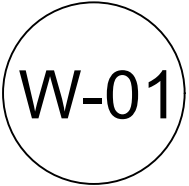
DECORATIVE  
STONE



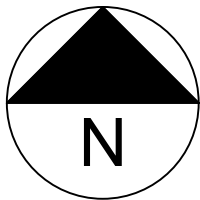
HEIGHT MARKER



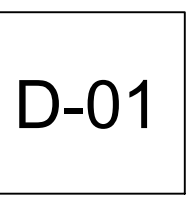
CONCRETE



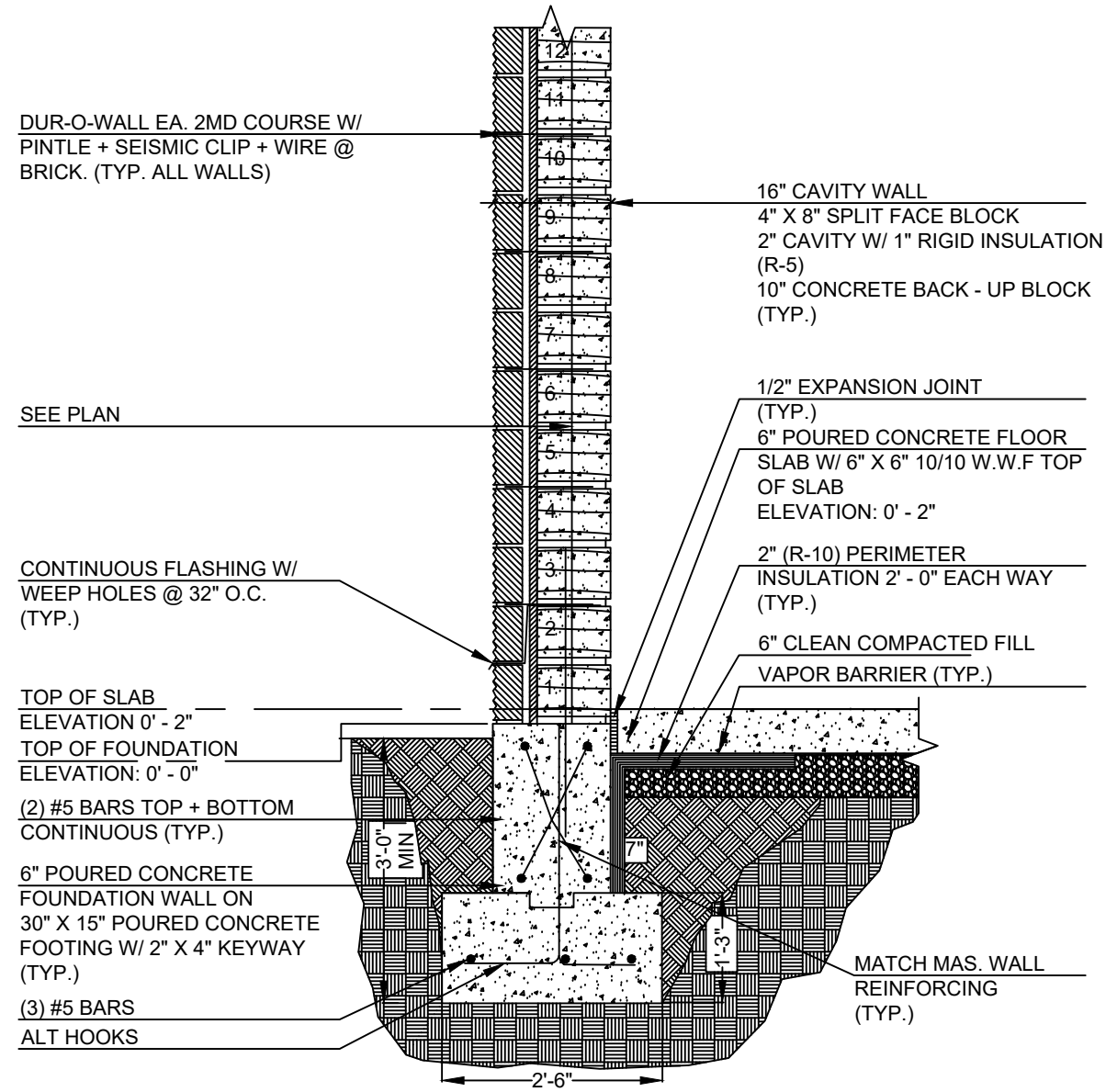
WINDOW MARKER



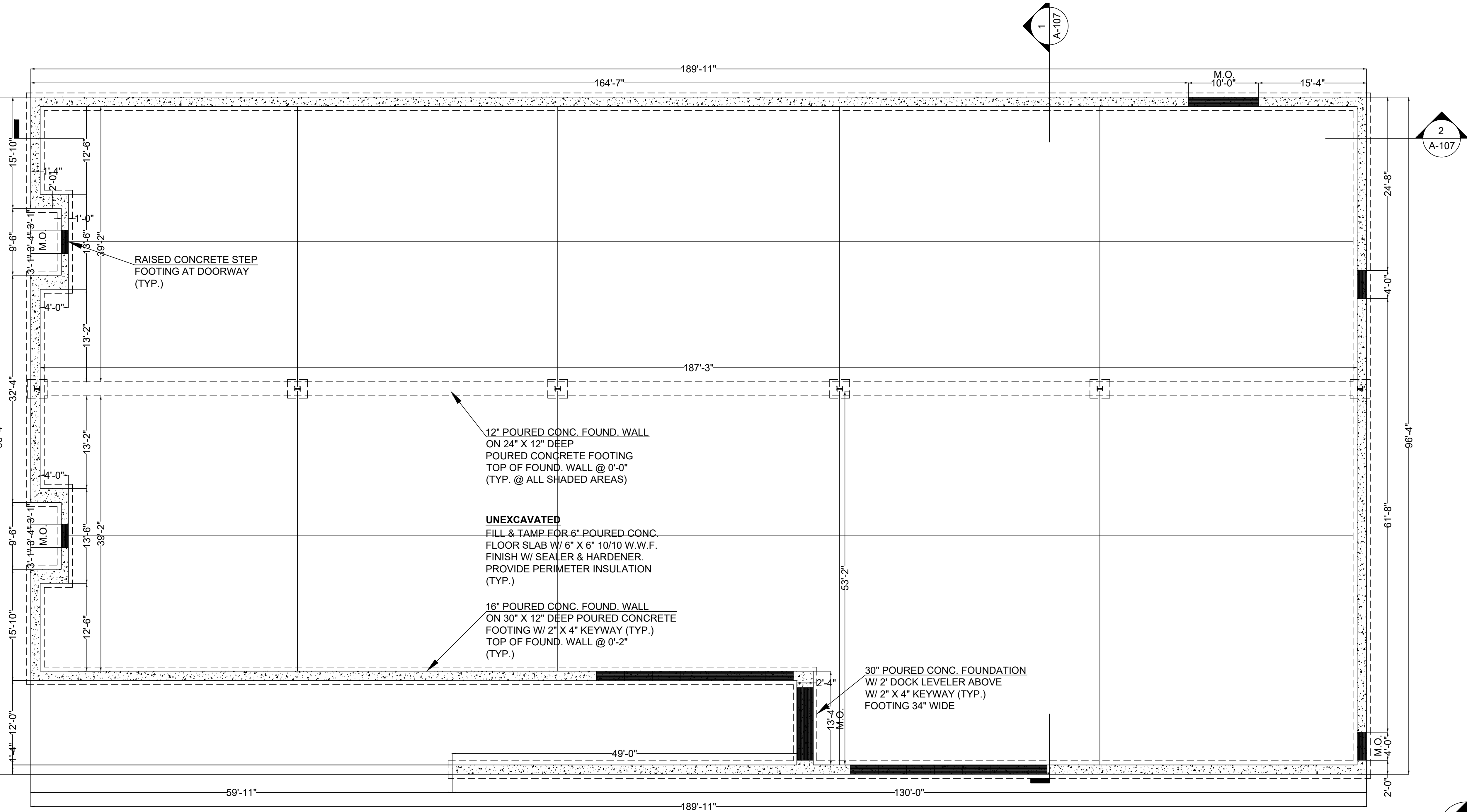
NORTH MARKER



DOOR MARKER



2 WALL SECTION  
1/2" = 1'-0"



1 FOUNDATION PLAN  
1/8" = 1'-0"

# PODDO DESIGNERS

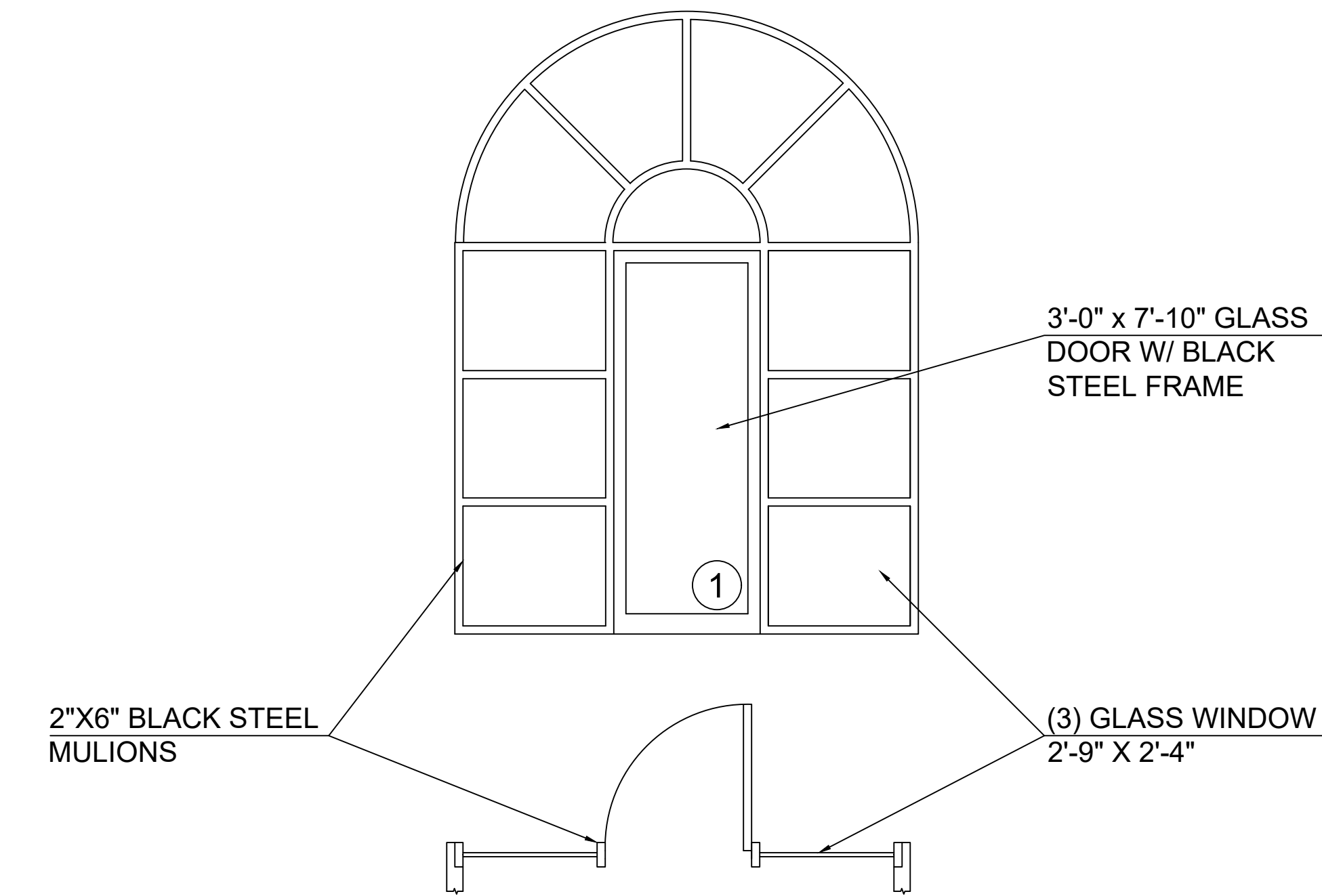
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FOUNDATION PLAN

A-101

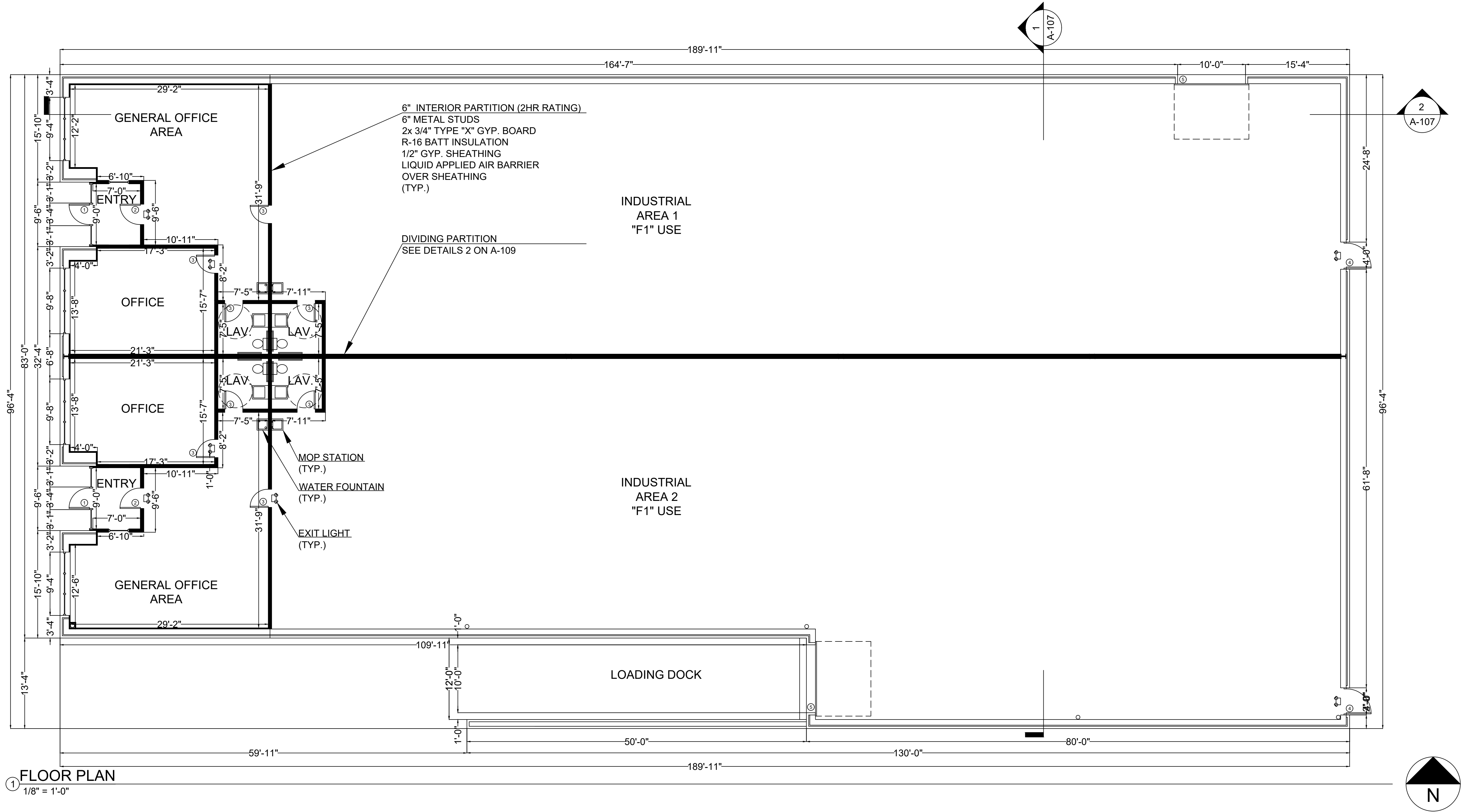


2 FRONT DOOR PLAN AND ELEVATION  
3/8" = 1'-0"

DOOR SCHEDULE		
DOOR TYPE	SIZE	#
GLASS	3'-0"	1
GLASS	3'-0"	2
METAL	2'-8"	3
METAL	4'-0"	4
METAL GARAGE	10'-0"	5

PODDO  
DESIGNERS

FARMINGDALE STATE  
COLLEGE DEPARTMENT OF  
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MANAGEMENT



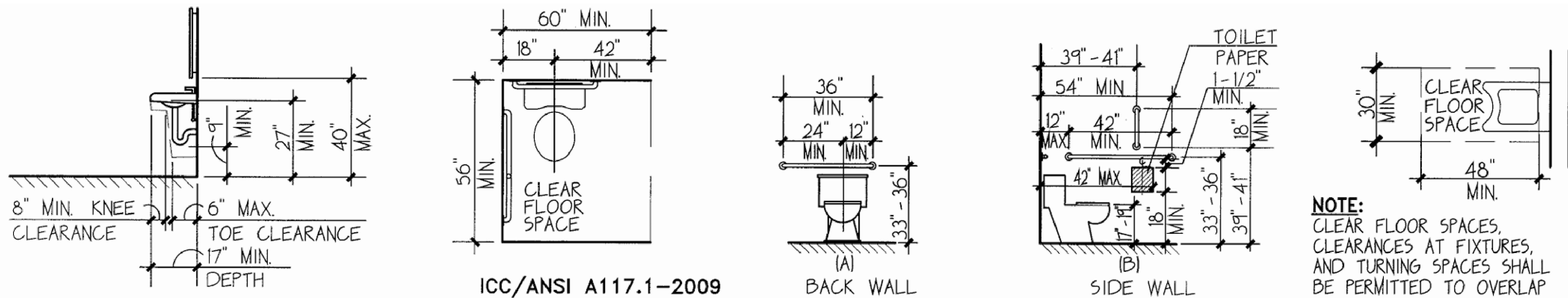
1 FLOOR PLAN  
1/8" = 1'-0"

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FLOOR PLAN

A-102



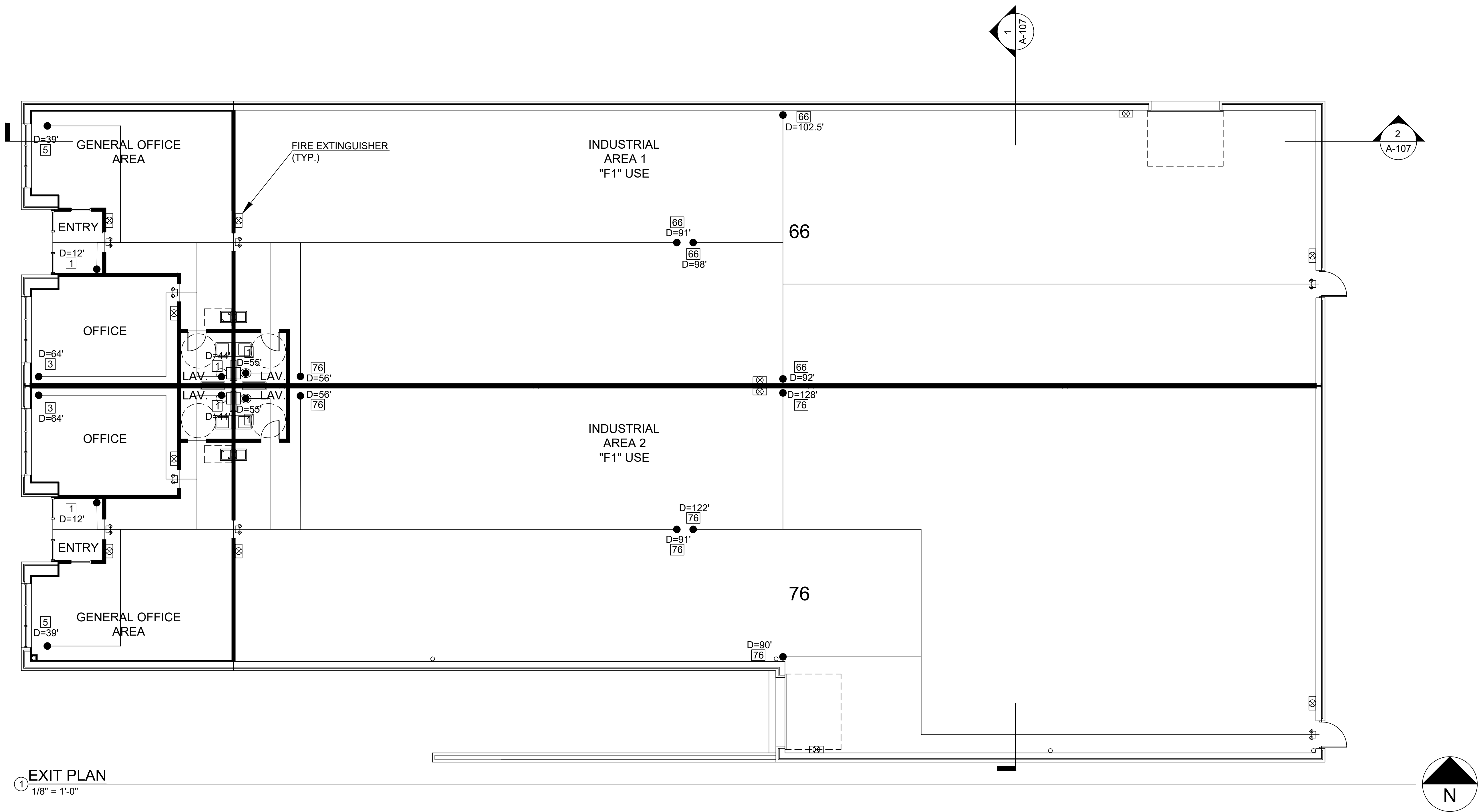
PROVISIONS FOR THE PHYSICALLY DISABLED  
PER ANSI 117.1 – 2009

NT.S.  
(LAVATORY FACILITIES)

OCCUPANCY CALCULATIONS		
ROOM TYPE	CALCULATIONS	# OF PEOPLE
GENERAL OFFICE	730/ 150	5
ENTRY	81/ 100	1
OFFICE	378/ 150	3
LAV.	65/ 100	1
INDUSTRIAL AREA 1	6,540/ 100	66
INDUSTRIAL AREA 2	7,540/ 100	76

PODDO  
DESIGNERS

FARMINGDALE STATE  
COLLEGE DEPARTMENT OF  
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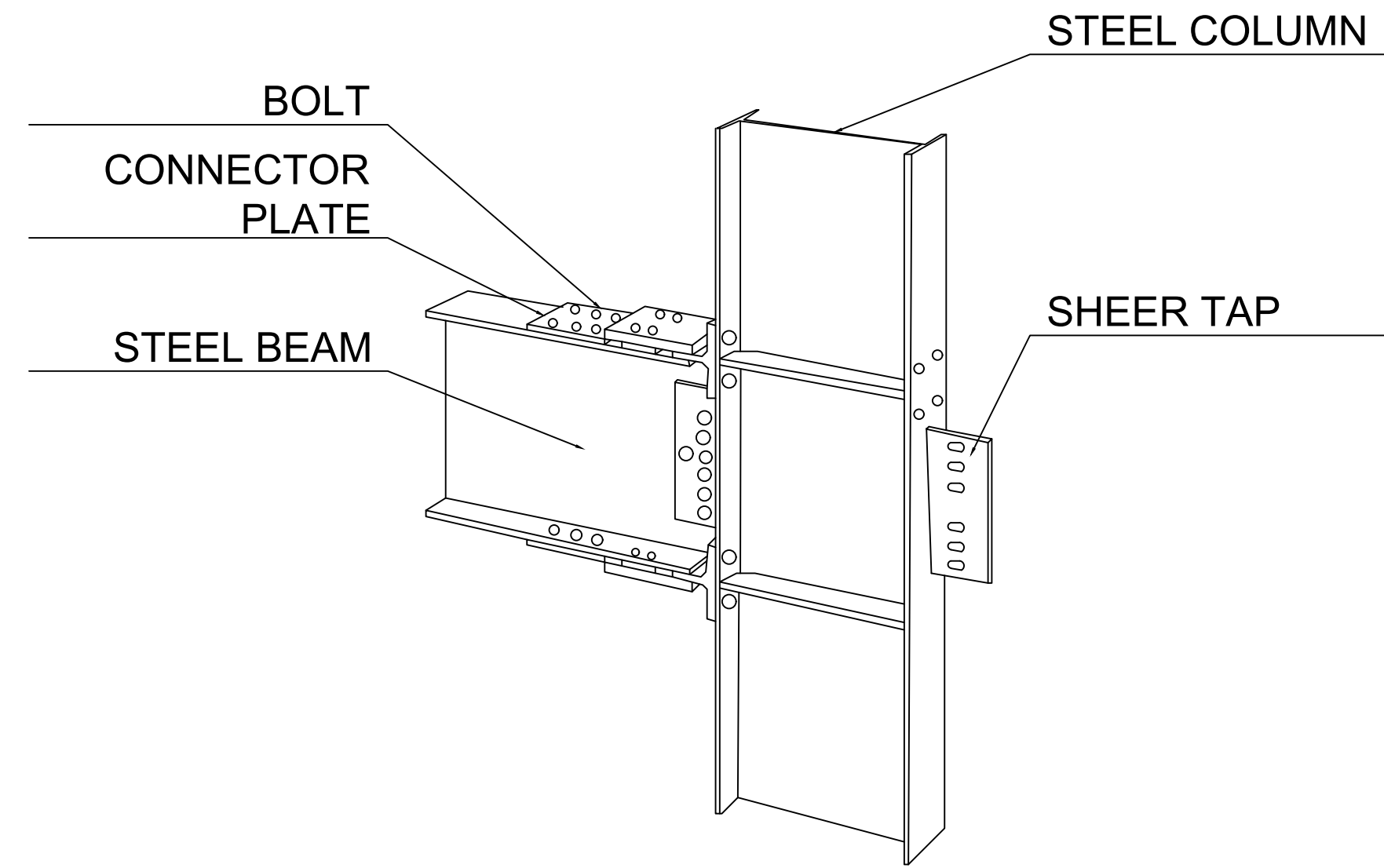
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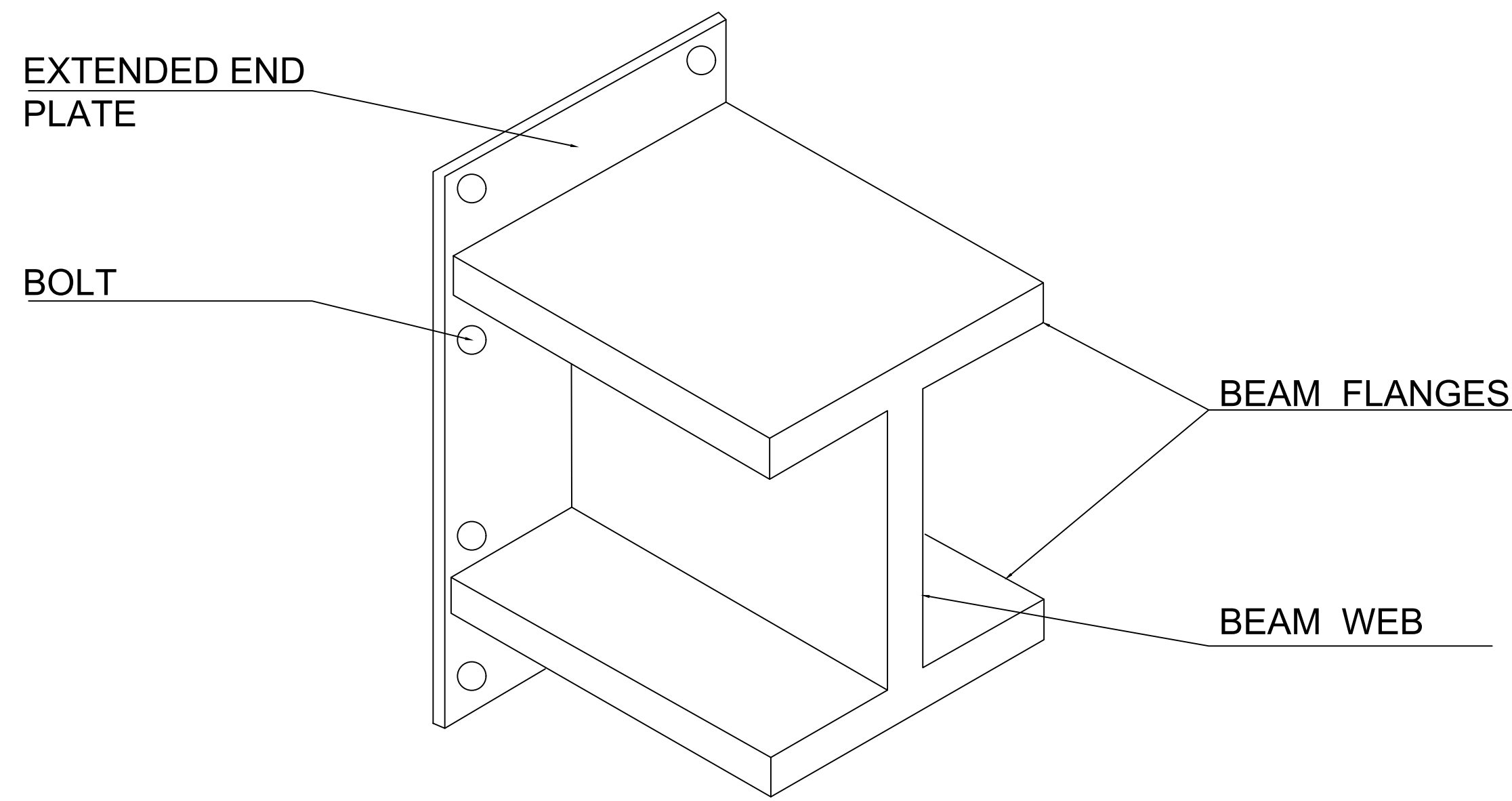
EXIT PLAN

A-103

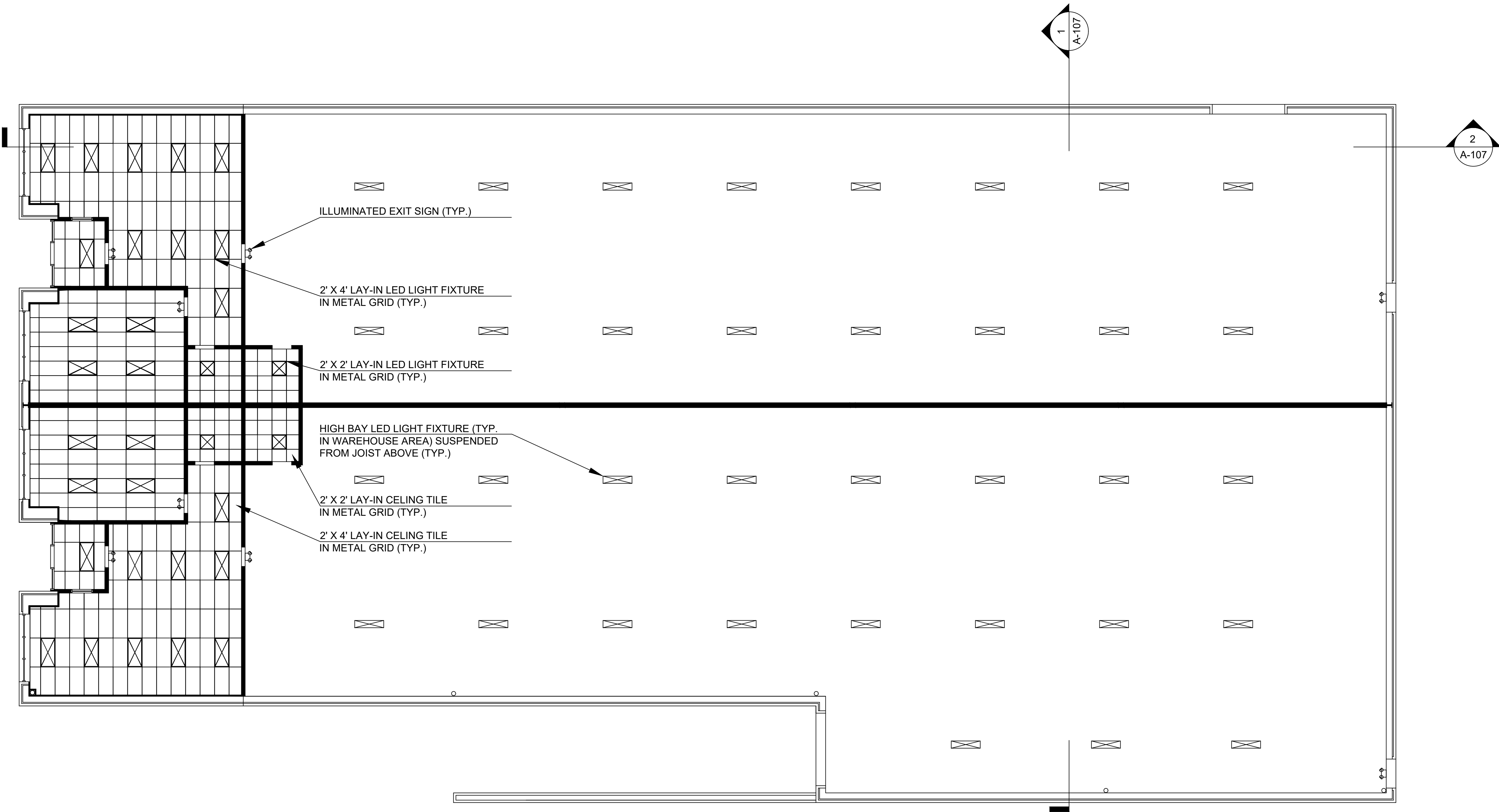




② BEAM-COLUMN CONNECTION  
NO SCALE



③ ENDPLATE STEEL BEAM CONNECTION  
NO SCALE



① REFLECTED CEILING PLAN  
1/8" = 1'-0"

# PODDO DESIGNERS

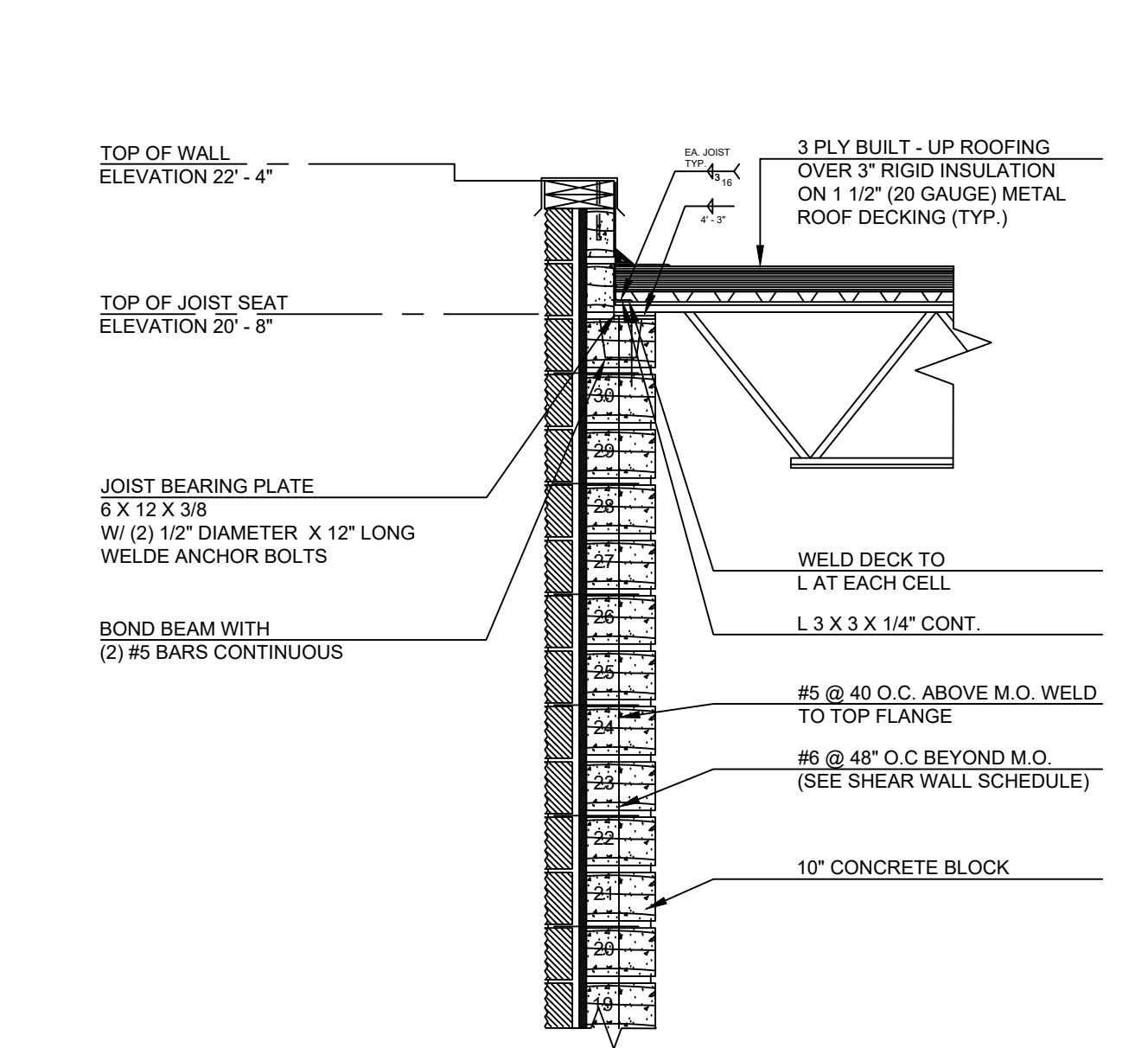
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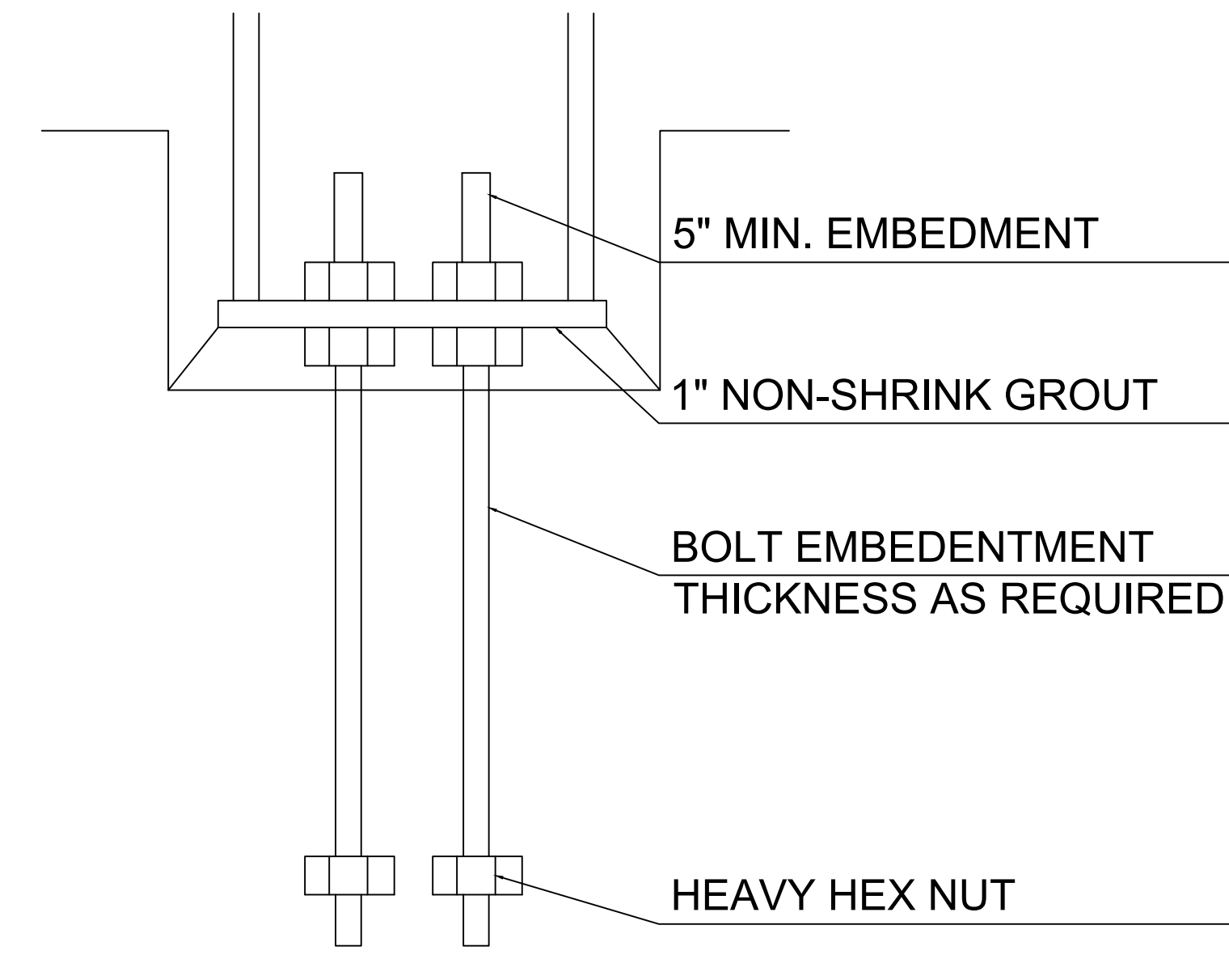
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REFLECTED CEILING  
PLAN

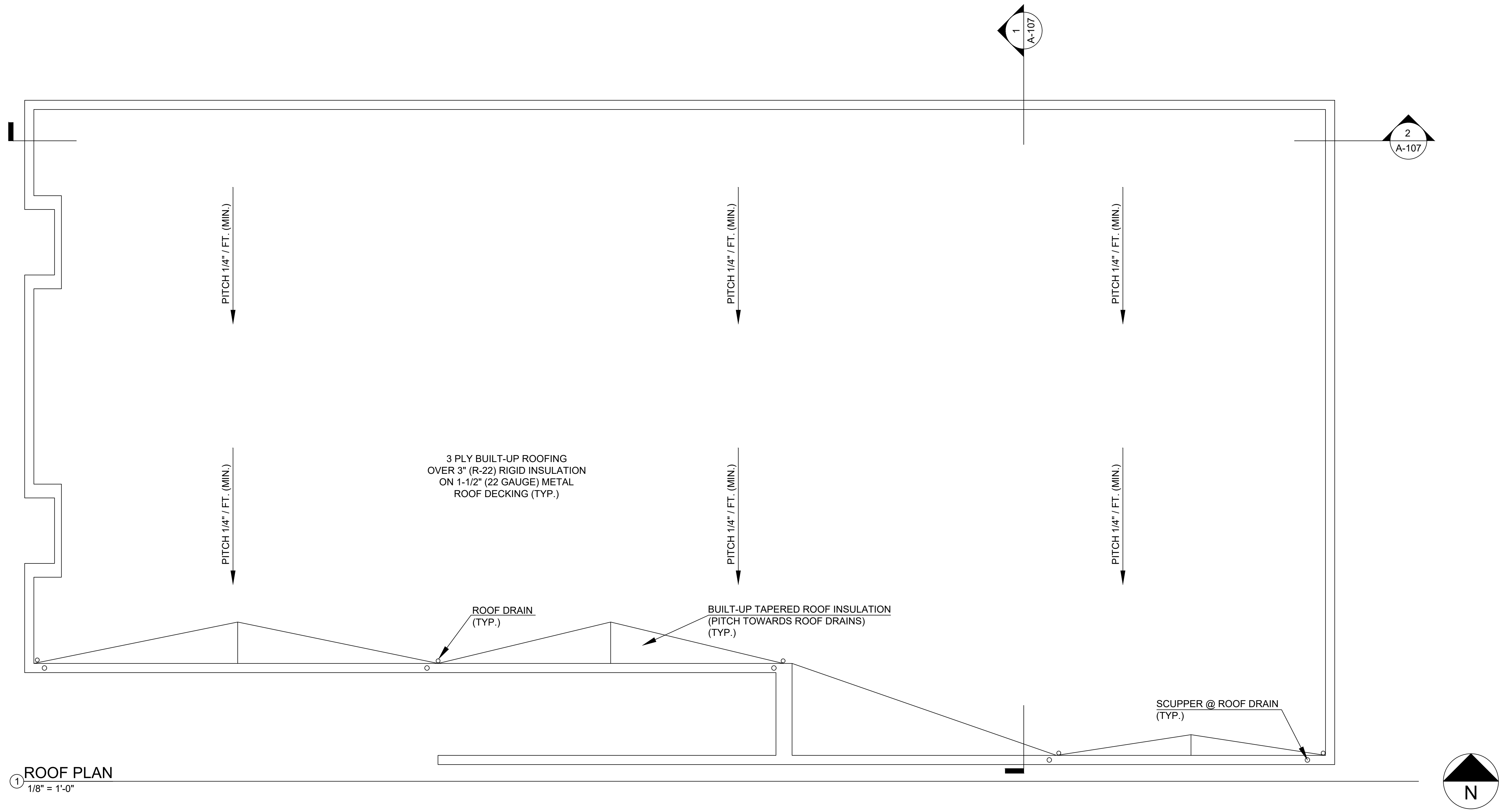
A-104



2 WALL & ROOF SECTION  
1/2" = 1'-0"



(A36 ANCHOR RODS)  
3 TYPICAL COLUMN ANCHOR BOLT DETAIL  
1/2" = 1'-0"



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

# PODDO DESIGNERS

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ROOF PLAN

A-105

PODDO  
DESIGNERS

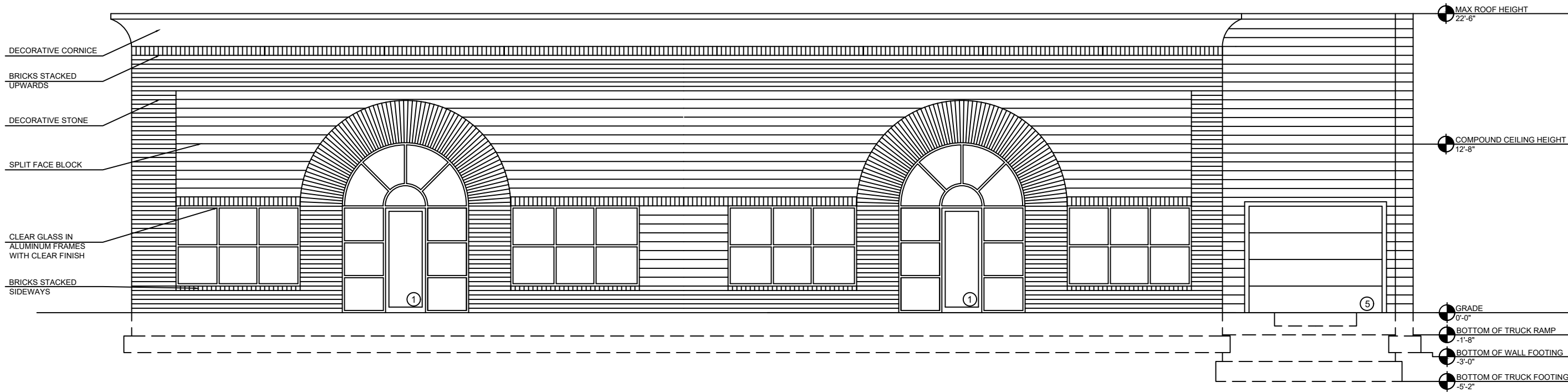
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ELEVATIONS

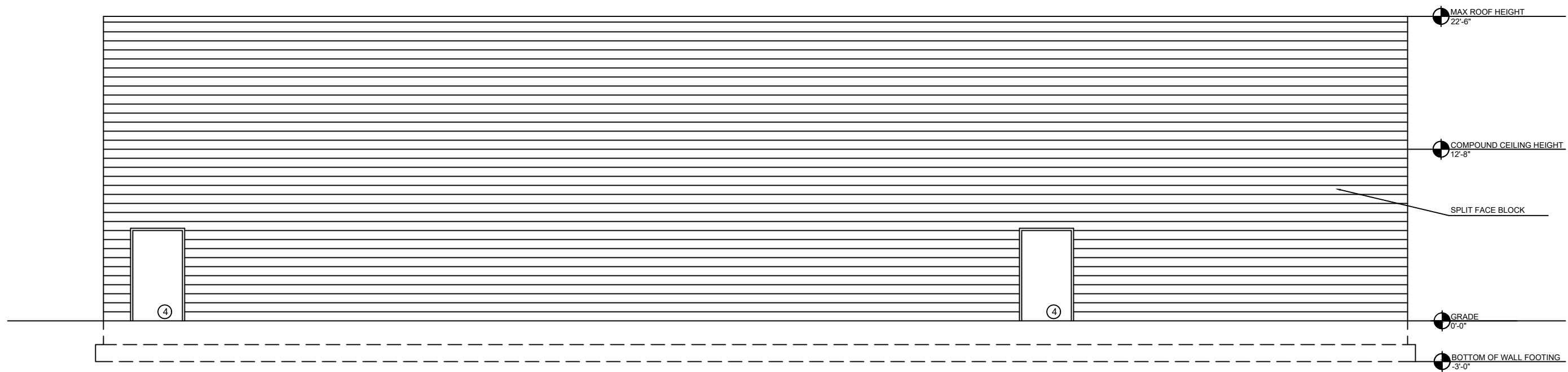
A-106



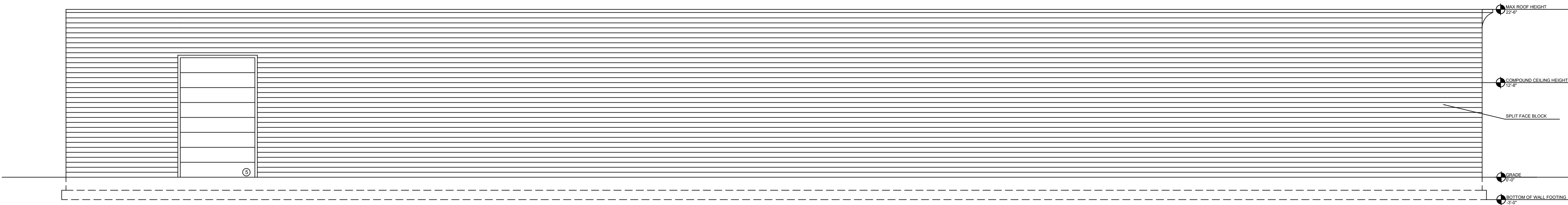
1 FRONT ELEVATION  
1/8" = 1'-0"



2 RIGHT SIDE ELEVATION  
1/8" = 1'-0"



3 BACK ELEVATION  
1/8" = 1'-0"



4 LEFT SIDE ELEVATION  
1/8" = 1'-0"

PODDO  
DESIGNERS

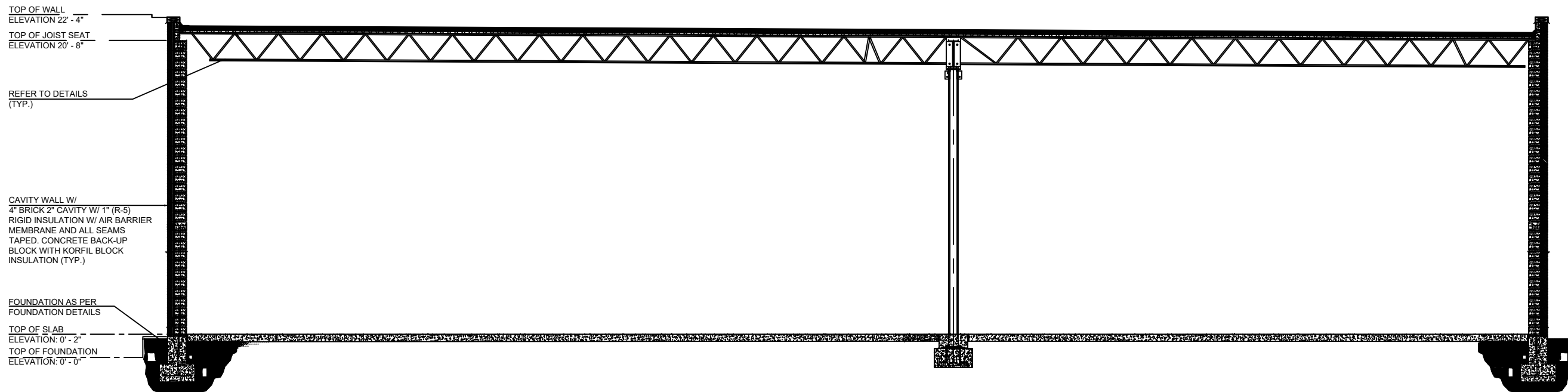
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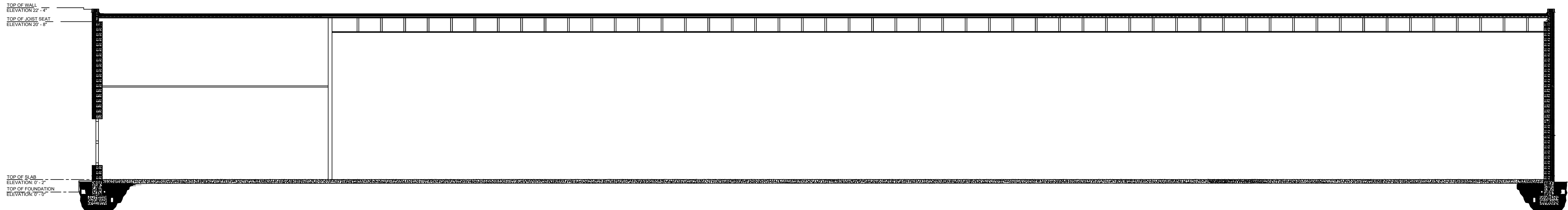
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SECTIONS

A-107



① HORIZONTAL SECTION  
1/8" = 1'-0"



② LONGITUDINAL SECTION  
1/8" = 1'-0"



PODDO  
DESIGNERS

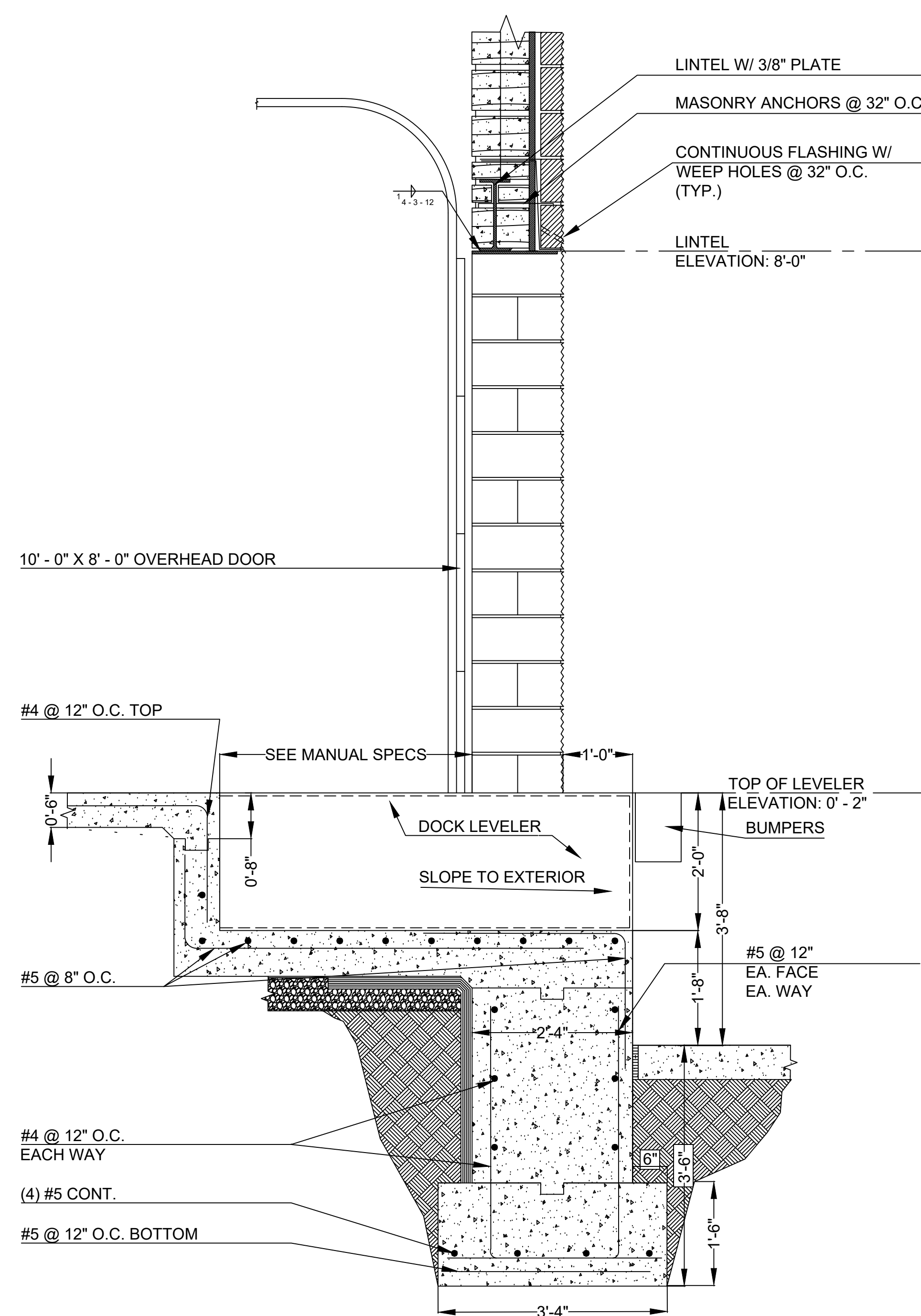
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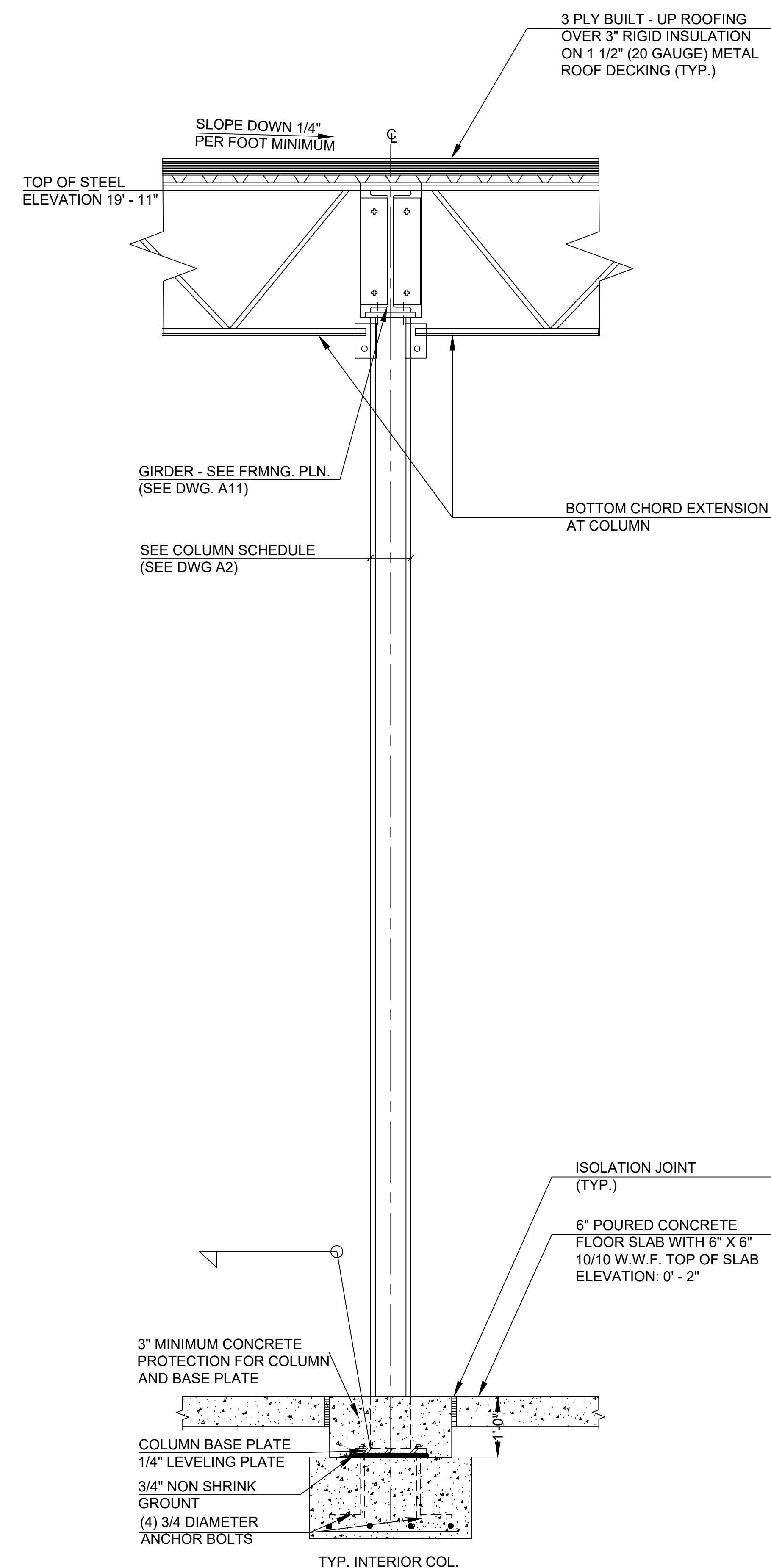
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## DETAILS

A-108



1 OVERHEAD DOOR SECTION  
3/4" = 1'-0"



② COLUMN SECTION  
3/4" = 1'-0"

PODDO  
DESIGNERS

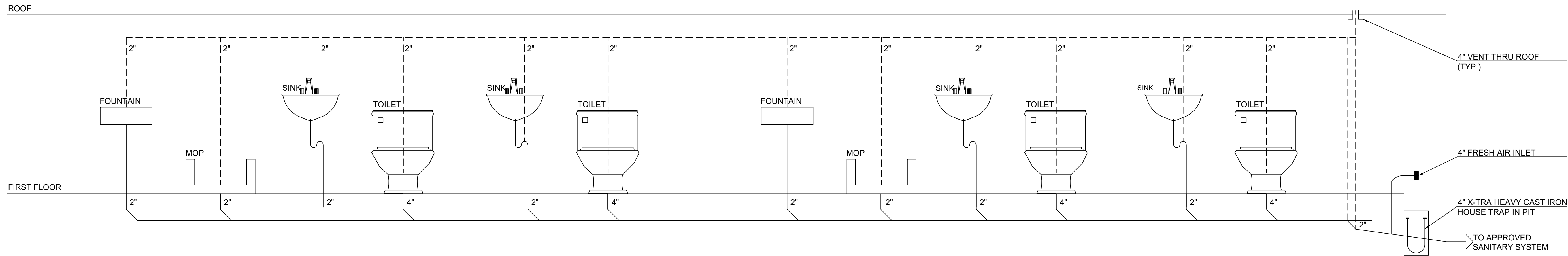
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PLUMBING RISER

A-109



① PLUMBING RISER  
SCALE: N.D.S