

OELWEIN CITY HALL RENOVATION

20 2ND AVENUE SW, OELWEIN, IA 50662

OWNER

CITY OF OELWEIN
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 OELWEIN, IA 50662
 DYLAN MULFINGER
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 319-283-4032

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 815-858-5514

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DRAWING SHEET INDEX	
SHEET NUMBER	SHEET NAME
1-COVER	
A000	COVER SHEET
A001	CODE REVIEW
2-CIVIL	
C01	SITE PLAN
3-ARCHITECTURAL	
A101	DEMOLITION PLAN
A102	FLOOR PLAN
A103	ENLARGED PLAN
A104	REFLECTED CEILING DEMOLITION PLAN
A105	REFLECTED CEILING PLAN
A200	SCHEDULES
A300	DETAILS
A400	ELEVATIONS (DEMO)
A401	EXTERIOR ELEVATIONS
A500	INTERIOR ELEVATIONS
A600	SECTIONS
A601	SECTIONS
A700	ROOF PLAN
4-STRUCTURAL	
S001	STRUCTURAL DESIGN CRITERIA
S100	FOUNDATION / ROOF PLAN
S300	FOUNDATION DETAILS
S400	ROOF DETAILS
5-Mechanical	
M001	MECHANICAL DEMOLITION
M101	HVAC
M201	MECHANICAL SYMBOLS & DETAILS
P101	UNDERFLOOR SANITARY AND VENT
P201	PLUMBING SYMBOLS & DETAILS
6-Electrical	
E001	ELECTRICAL DEMOLITION
E101	LIGHTING PLAN
E201	POWER AND COMMUNICATION
E301	ELECTRICAL SYMBOLS & DETAILS
E401	ELECTRICAL SCHEDULES & SPEC'S

PROJECT SITE



AERIAL SITE PLAN
 NTS

GENERAL NOTES:

- ALL WORK ON THIS PROJECT IS TO BE BUILT IN ACCORDANCE TO ALL FEDERAL, STATE, AND LOCAL BUILDING CODES. CONTRACTOR SHALL BRING TO ARCHITECT'S ATTENTION ALL ITEMS REQUIRING INTERPRETATION.
- ALL CONTRACTORS ON THIS PROJECT MUST BE REGISTERED WITH THE STATE OF IOWA. GENERAL CONTRACTOR SHALL OBTAIN A COPY OF THE STATE REGISTRATION AND INSURANCE CERTIFICATES FROM EACH CONTRACTOR AND TRANSMIT TO ARCHITECT PRIOR TO START OF CONSTRUCTION.
- HAZARDOUS MATERIAL: THE OWNER AT THIS TIME HAS NO KNOWLEDGE OF ASBESTOS OR ANY OTHER HAZARDOUS MATERIAL WITHIN OR ADJACENT TO THE EXISTING BUILDING. SHOULD THE CONTRACTOR OR ANY OF HIS SUBCONTRACTORS ENCOUNTER MATERIAL WHICH THEY SUSPECT TO CONTAIN OR BE CONTAMINATED WITH ASBESTOS OR OTHER HAZARDOUS MATERIAL IN HAZARDOUS FORM, THEY SHOULD IMMEDIATELY:
 - CEASE ALL OPERATIONS IN THE AREA OF SUSPECTED MATERIAL.
 - NOTIFY THE OWNER VERBALLY AND CONFIRM THE NOTIFICATION IN WRITING. ONCE NOTIFIED, THE OWNER WILL BE RESPONSIBLE TO HAVE THE QUESTIONABLE MATERIAL TESTED AND IF NECESSARY, REMOVED OR STABILIZED.

I hereby certify that the portion of this technical submission described below was prepared by me, or under my direct supervision and responsible charge. I am a duly registered architect under the laws of the state of Iowa.	
Kyle D. Martin	Date: _____
Registration number: _____	Registration expires: _____ Date issued: _____
Pages or sheets covered by this seal: _____	

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OCCUPANT LOADING SCHEDULE				
AREA NAME	FUNCTION	AREA	OCCUPANT LOAD FACTOR	MAX. LOAD
BREAKROOM	ASSEMBLY	374 SF	15	25
LOBBY	ASSEMBLY	242 SF	15	17
COUNCIL	ASSEMBLY	1003 SF	15	67
MAPS	BUSINESS	288 SF	150	2
OFFICE	BUSINESS	97 SF	150	1
OFFICE	BUSINESS	195 SF	150	2
WORK	BUSINESS	599 SF	150	4
OFFICE	BUSINESS	135 SF	150	1
OFFICE	BUSINESS	86 SF	150	1
OFFICE	BUSINESS	345 SF	150	3
CONFERENCE	BUSINESS	473 SF	150	4
MECH.	MECHANICAL	43 SF	300	1
MECH.	MECHANICAL	59 SF	300	1
MECH.	MECHANICAL	13 SF	300	1
TOILET	RESTROOM	48 SF		
TOILET	RESTROOM	84 SF		
TOILET	RESTROOM	157 SF		
TOILET	RESTROOM	77 SF		
SALLY PORT	STORAGE	869 SF	300	3
JAN.	STORAGE	34 SF	300	1
VAULT	STORAGE	249 SF	300	1
STORAGE	STORAGE	184 SF	300	1
STAIR	UNOCCUPIED	140 SF		
CORRIDOR	UNOCCUPIED	182 SF		
ENTRY	UNOCCUPIED	666 SF		
CORRIDOR	UNOCCUPIED	156 SF		
		6799 SF		136

AHJ: CITY OF OELWEIN

BUILDING CODES

- 2021 INTERNATIONAL BUILDING CODE
- 2021 INTERNATIONAL EXISTING BUILDING CODE
- 2021 INTERNATIONAL FIRE CODE
- 2021 NATIONAL ELECTRIC CODE
- 2021 INTERNATIONAL MECHANICAL CODE
- 2021 UNIFORM PLUMBING CODE
- 2021 INTERNATIONAL ENERGY CONSERVATION CODE
- 2010 ADA STANDARDS

CHAPTER 3 - USE AND OCCUPANCY

BUILDING OCCUPANCY TYPE: B

CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS

TABLE 504.3 - ALLOWABLE BUILDING HEIGHT	40 FT.
ALLOWABLE BUILDING HEIGHT:	20 FT.
PROPOSED BUILDING HEIGHT:	
TABLE 504.4 - ALLOWABLE NUMBER OF STORIES	2
ALLOWABLE NUMBER OF STORIES:	1
PROPOSED NUMBER OF STORIES:	
TABLE 506.2 - ALLOWABLE AREA FACTOR IN S.F.	VB
PROPOSED ADDITION/NEW BUILDING	9,000 SF
CONSTRUCTION TYPE:	
ALLOWABLE BUILDING AREA/FLOOR:	VB
EXISTING BUILDING	9,000 SF
CONSTRUCTION TYPE:	
ALLOWABLE BUILDING AREA/FLOOR:	
SECTION 506 - BUILDING AND AREA MODIFICATIONS	5,850 SF
FRONTAGE INCREASE	
TOTAL BUILDING	7,900 SF
PROPOSED AREA (MAIN FLOOR)	
PROPOSED AREA (OTHER FLOOR)	
TOTAL ALLOWABLE BUILDING AREA	14,850 SF

CHAPTER 6 - TYPES OF CONSTRUCTION

TABLE 601 - FIRE RESISTANCE RATINGS FOR BUILDING ELEMENTS	VB
PRIMARY STRUCTURAL FRAME	0
EXTERIOR BEARING WALLS	0
INTERIOR BEARING WALLS	0
NONBEARING WALLS	0
FLOORS	0
ROOFS	0

CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES

SECTION 706 FIRE WALLS	2 HR
TABLE 706.4 FIRE WALL RESISTANCE RATINGS	
SECTION 707 FIRE BARRIERS	2 HR
TABLE 707.3.10 FIRE RESISTANCE RATINGS	1 HR
SECTION 708 FIRE PARTITIONS	1 HR
SECTION 709 SMOKE BARRIERS	1 HR
SECTION 710 SMOKE PARTITIONS	0 HR

CHAPTER 9 - FIRE PROTECTION SYSTEMS

SECTION 903 - SPRINKLER SYSTEM REQUIRED	NO
SECTION 907 - FIRE ALARM AND DETECTION SYSTEM	NO

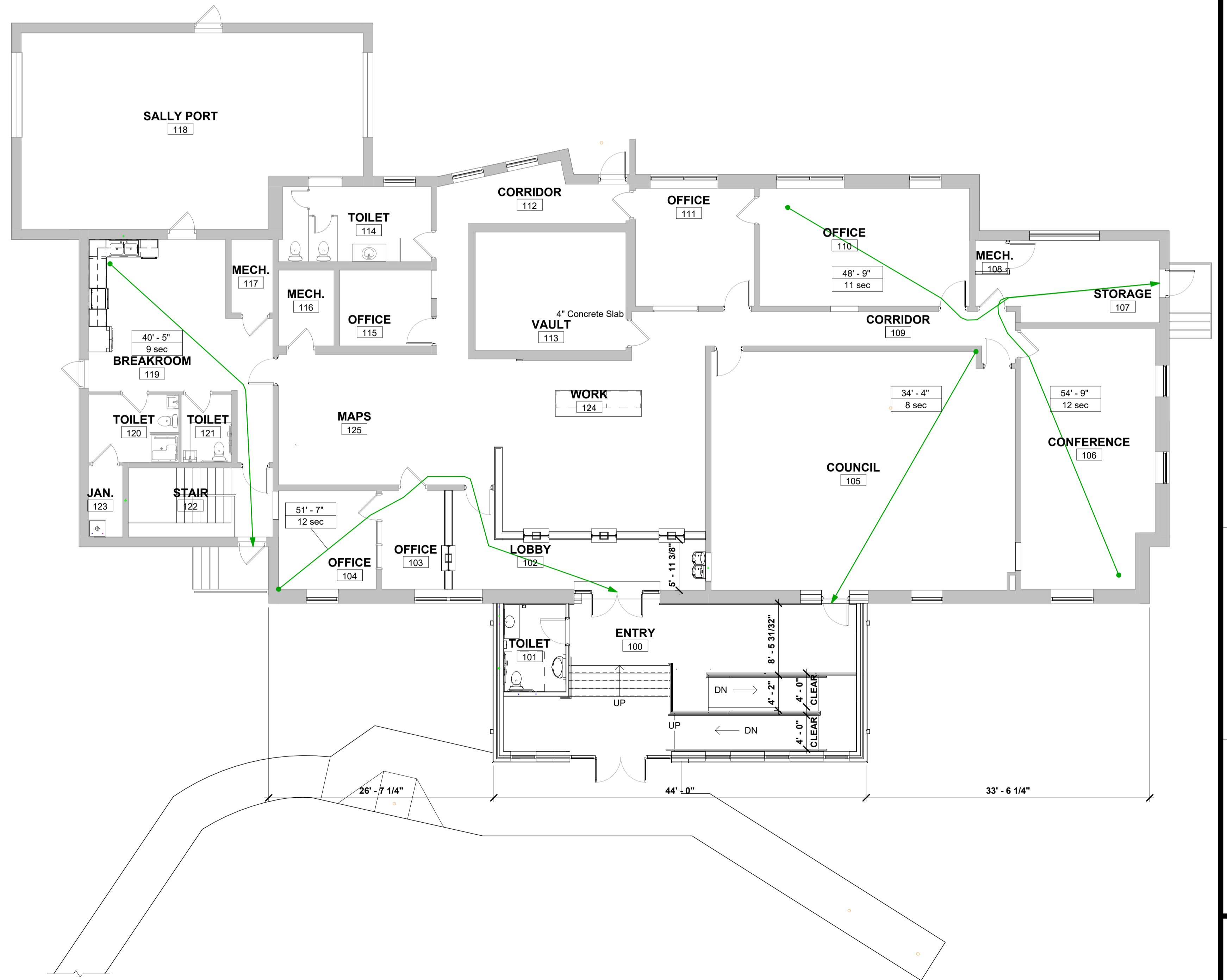
CHAPTER 10 - MEANS OF EGRESS

SEE CALCULATED OCCUPANCY LOAD OF PROJECT

TABLE 1016.1 - EXIT ACCESS TRAVEL DISTANCE	100'
TABLE 1021.1 - MIN. NUMBER OF EXITS	2

INSTRUCTIONS TO CODE OFFICIALS:

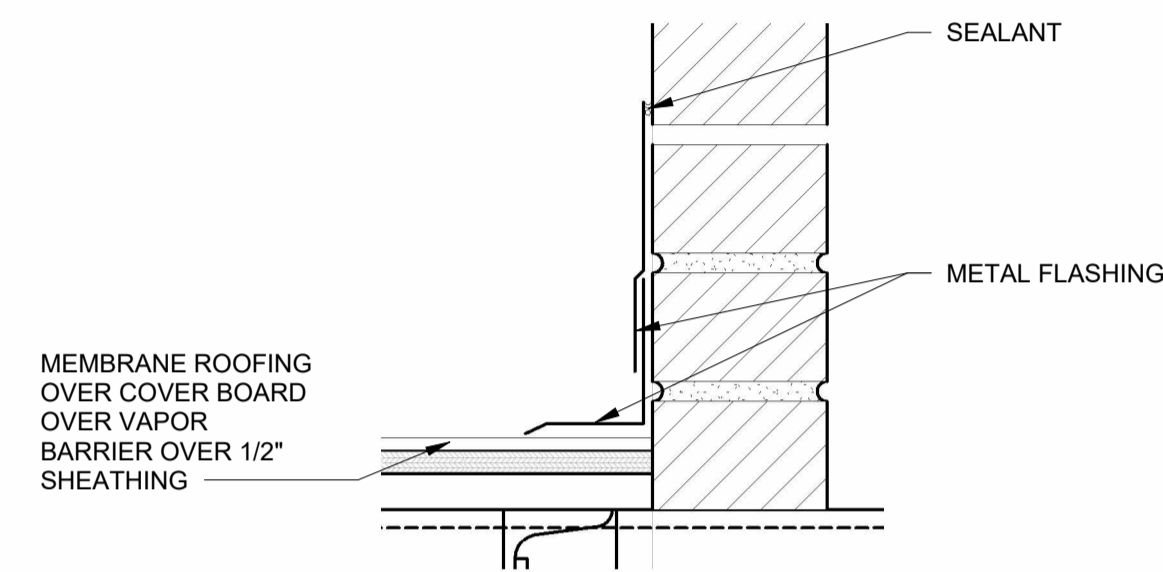
UPON COMPLETION OF THE REVIEW OF THESE CONSTRUCTION DOCUMENTS, PLEASE COPY ALL MARKUPS AND/OR COMMENTS TO THE APPLICANT AND THE ARCHITECT.



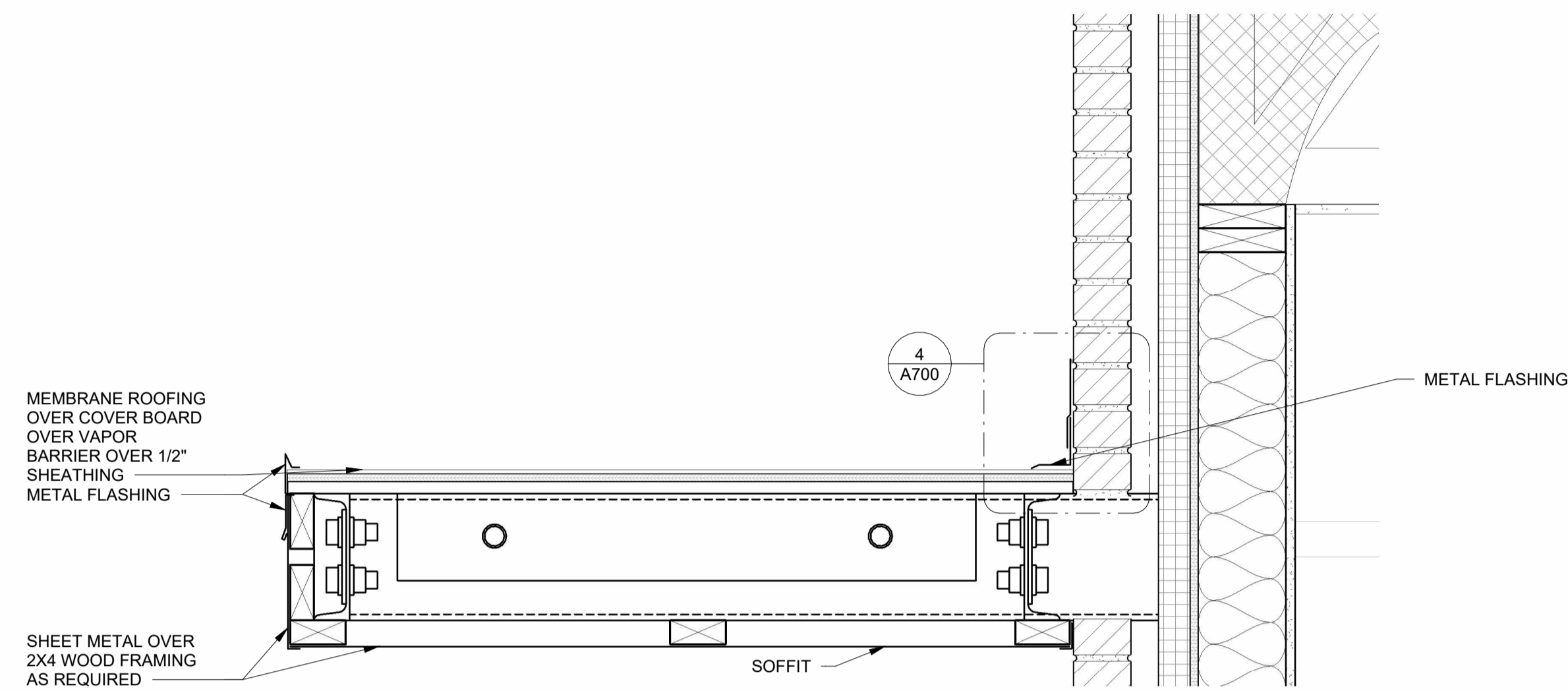
LIFE SAFETY PLAN
1/8" = 1'-0"

CODE REVIEW

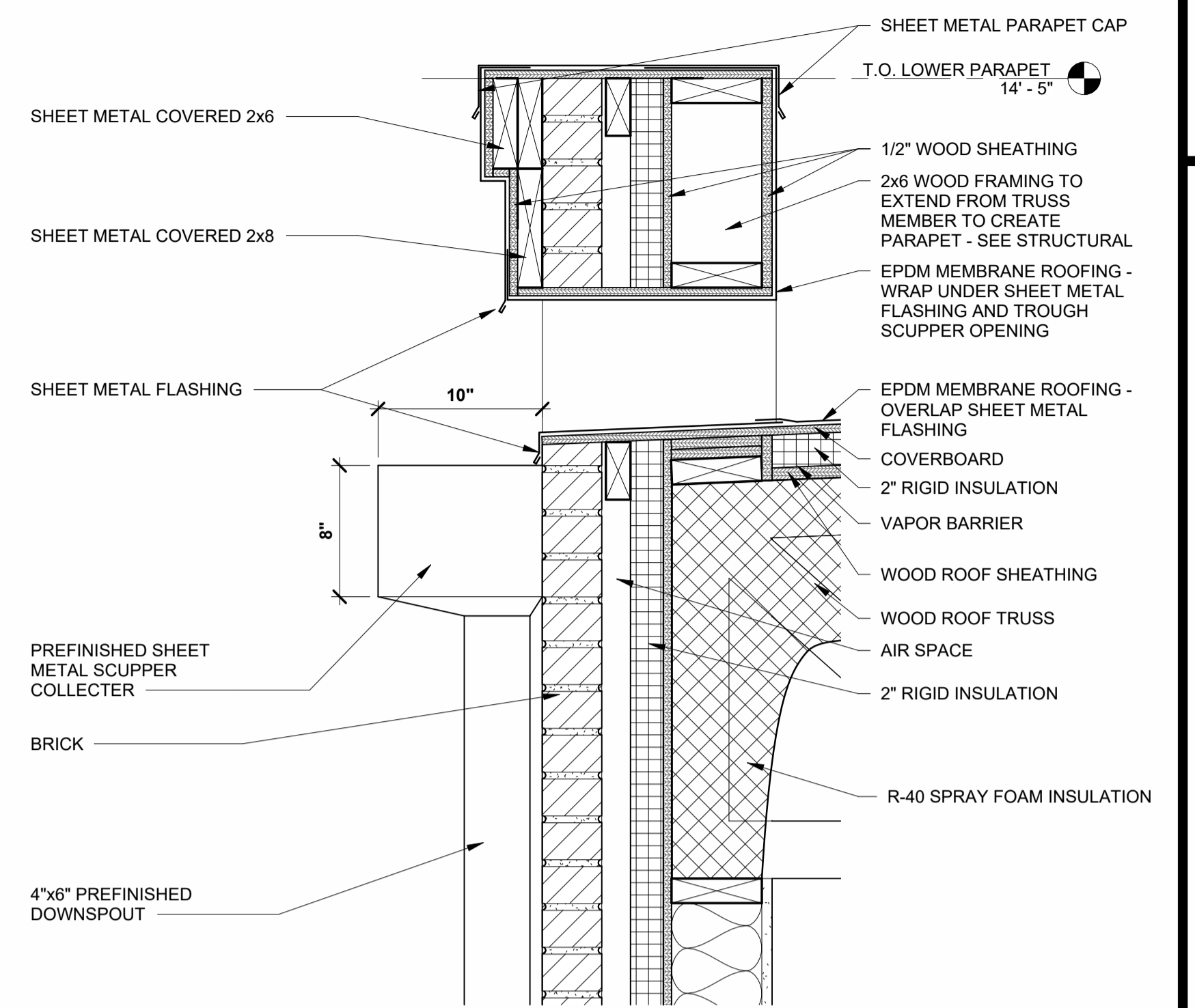
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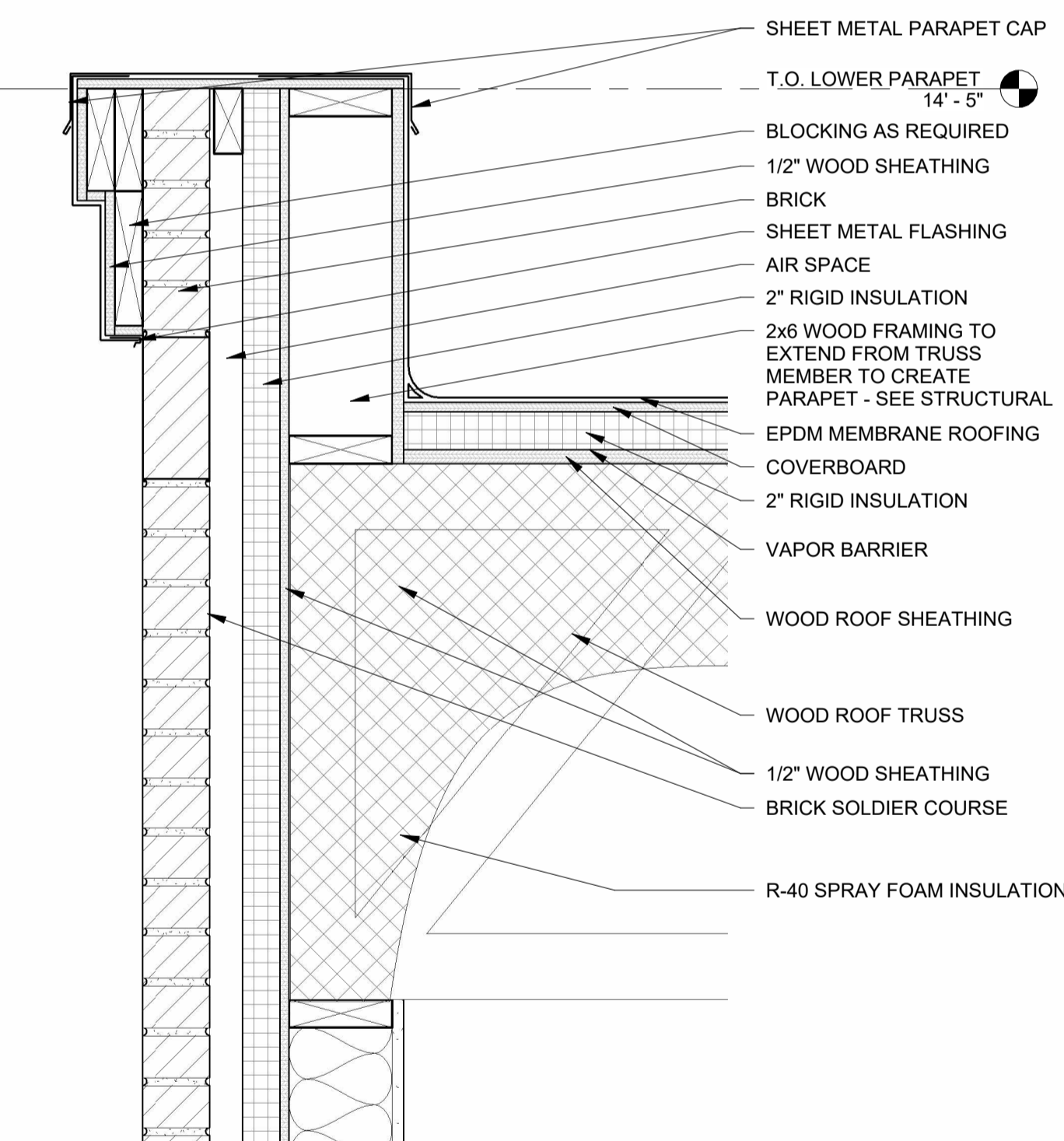
4 FLASHING DETAIL
3" = 1'-0"



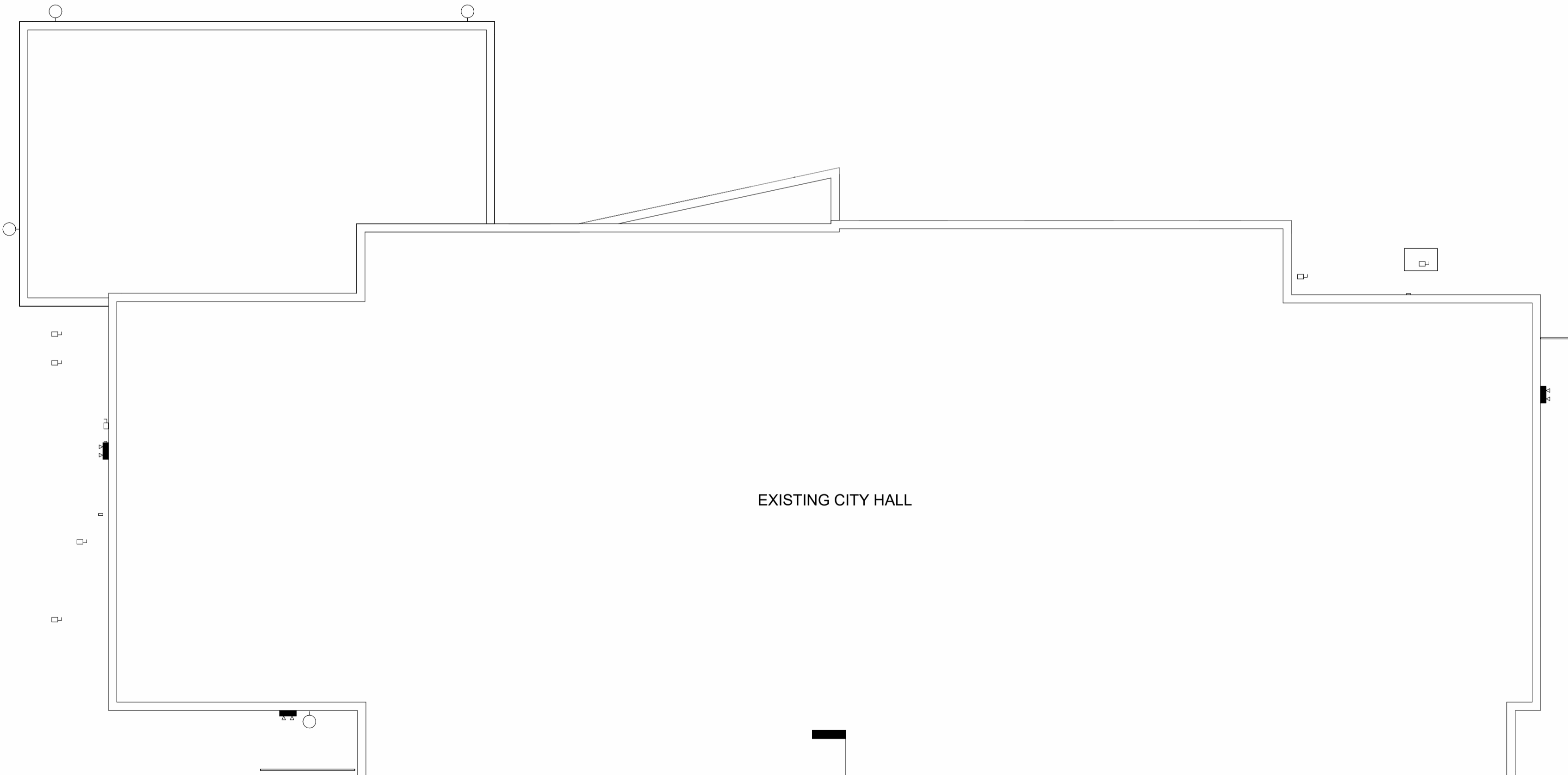
3 WALL DETAIL
1 1/2" = 1'-0"



2 PARAPET DETAIL
1 1/2" = 1'-0"



1 PARAPET DETAIL
1 1/2" = 1'-0"



- ROOF PLAN NOTES:**
- SEE FLOOR PLAN NOTES FOR DIMENSIONING STANDARDS
 - ALL DOWNSPOUTS TO DRAIN TO DRAIN TILE, SPLASH BLOCK OR PAVEMENT - SEE ELEVATIONS AND SITE PLAN FOR MORE INFORMATION.
 - PROVIDE KICKOUT FLASHING AT ROOF-TO-WALL TRANSITIONS
 - SEE DETAILS FOR CONTINUOUS INSULATION
 - PARAPETS
 - FOR PARAPET WALLS SHORTER THAN 4'-0", CARRY ROOF MEMBRANE OVER TOP OF WALL. FOR TALLER THAN 4'-0" PROVIDE TERMINATION BAR AND DRIP EDGE FLASHING.

ARCHITECTURAL KEYNOTES	
KEY	KEYNOTE

WORKING NORTH
TRUE NORTH
ROOF PLAN
1/8" = 1'-0"

ROOF PLAN

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MGA
MARTIN GARDNER
ARCHITECTURE
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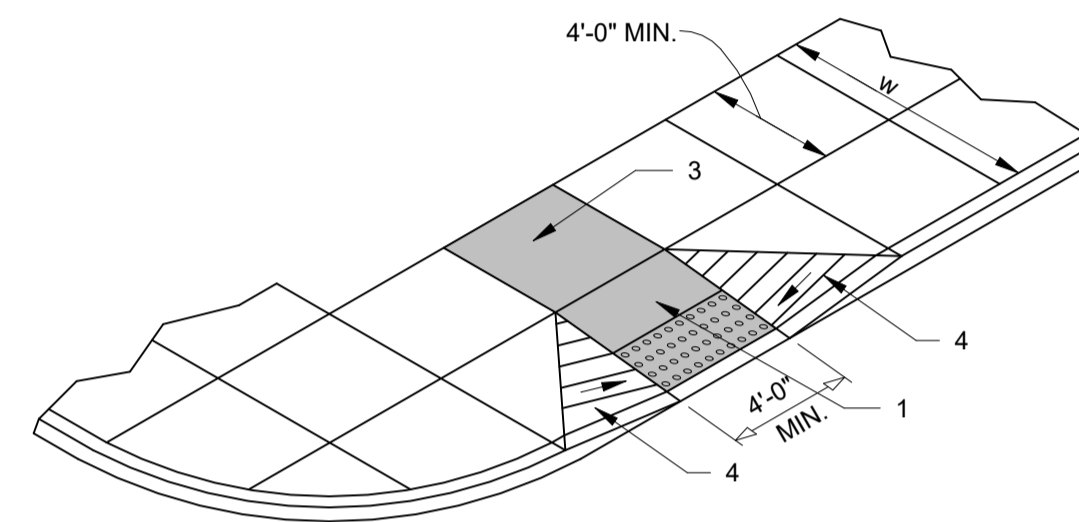
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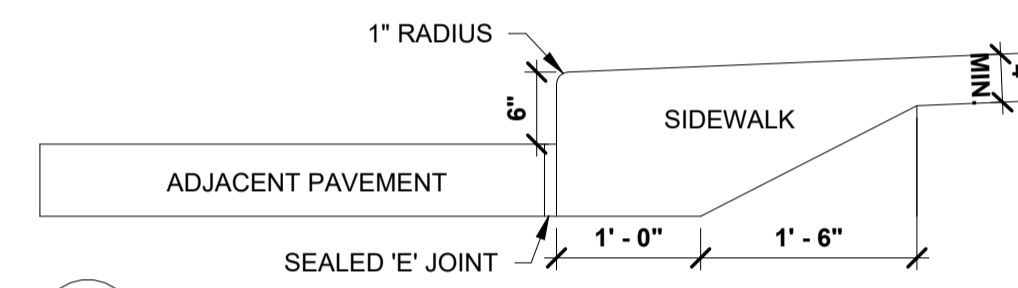
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ARCHITECTURAL KEYNOTES	
KEY	KEYNOTE
A22	SLOPE SIDEWALK DOWN TO MATCH EXISTING PAVING SURFACE
A23	EXISTING PAVING TO REMAIN
A24	EXISTING PAINT STRIPING TO REMAIN
A25	EXISTING ADA SIGN
A26	NEW ADA LOGO
A27	NEW ADA LOADING AREA PAINT STRIPING
A46	CONTRACTOR TO REMOVE AND REINSTALL DROP BOX. COORDINATE LOCATION WITH CITY.

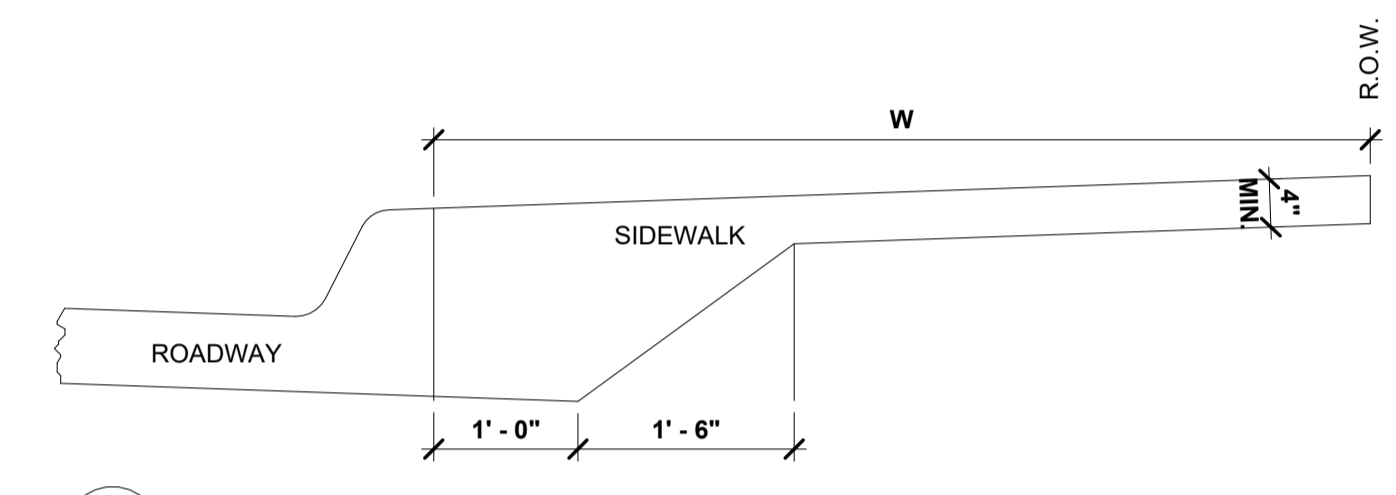
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4 CURB RAMP DETAIL
C01 1 1/2" = 1'-0"



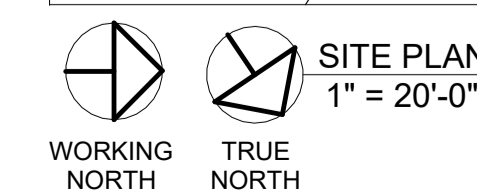
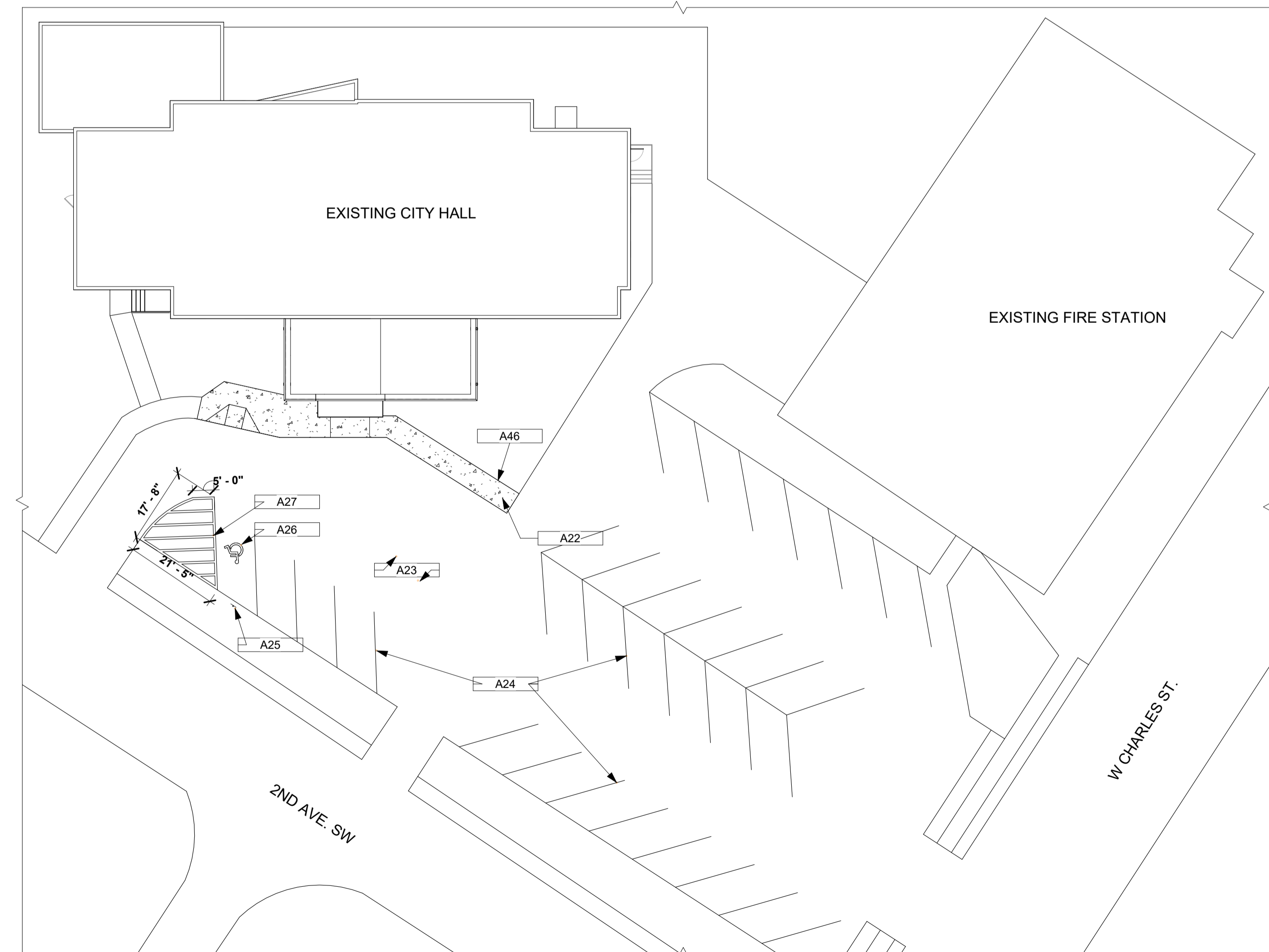
3 CURB DETAIL
C01 3/4" = 1'-0"



2 SIDEWALK DETAIL
C01 3/4" = 1'-0"

ARCHITECTURAL SITE PLAN NOTES:

- GRADE ALL AREAS TO DRAIN WITHOUT PONDING.
- SEE MECHANICAL/ELECTRICAL DRAWINGS FOR BUILDING UTILITIES CONNECTIONS AND SITE LIGHTING.
- FINISH GRADE IS TO BE NOT LESS THAN 6" BELOW FLOOR LINE.
- IF ANY UTILITIES OR STRUCTURES ARE DISCOVERED DURING EXCAVATION AND SITE GRADING NOT INDICATED ON THE DRAWINGS, CONTACT THE ARCHITECT IMMEDIATELY.
- REMOVE MISC. SLABS, PIPES, ROCKS & OTHER FEATURES NO LONGER BEING USED. SEE SITE PLANS FOR FURTHER INFORMATION.
- COORDINATE SHUT OFF UTILITIES AND STREET CLOSURES WITH ARCHITECT AND OWNER.
- PROVIDE HANDICAPPED PARKING SIGNS ON POSTS AT EACH HANDICAPPED PARKING SPACE.
- SEAL EXPANSION JOINTS IN SIDEWALKS WITH BACKER ROD AND PAVING JOINT SEALANT.
- PROVIDE EROSION CONTROL FOR SITE WITH SILT FENCES, SETTLING BEDS, AND OTHER METHODS TO PREVENT EROSION INTO STREET. CONTRACTOR TO PAY FOR ALL EROSION CLEANUP REQUIRED.



SITE PLAN

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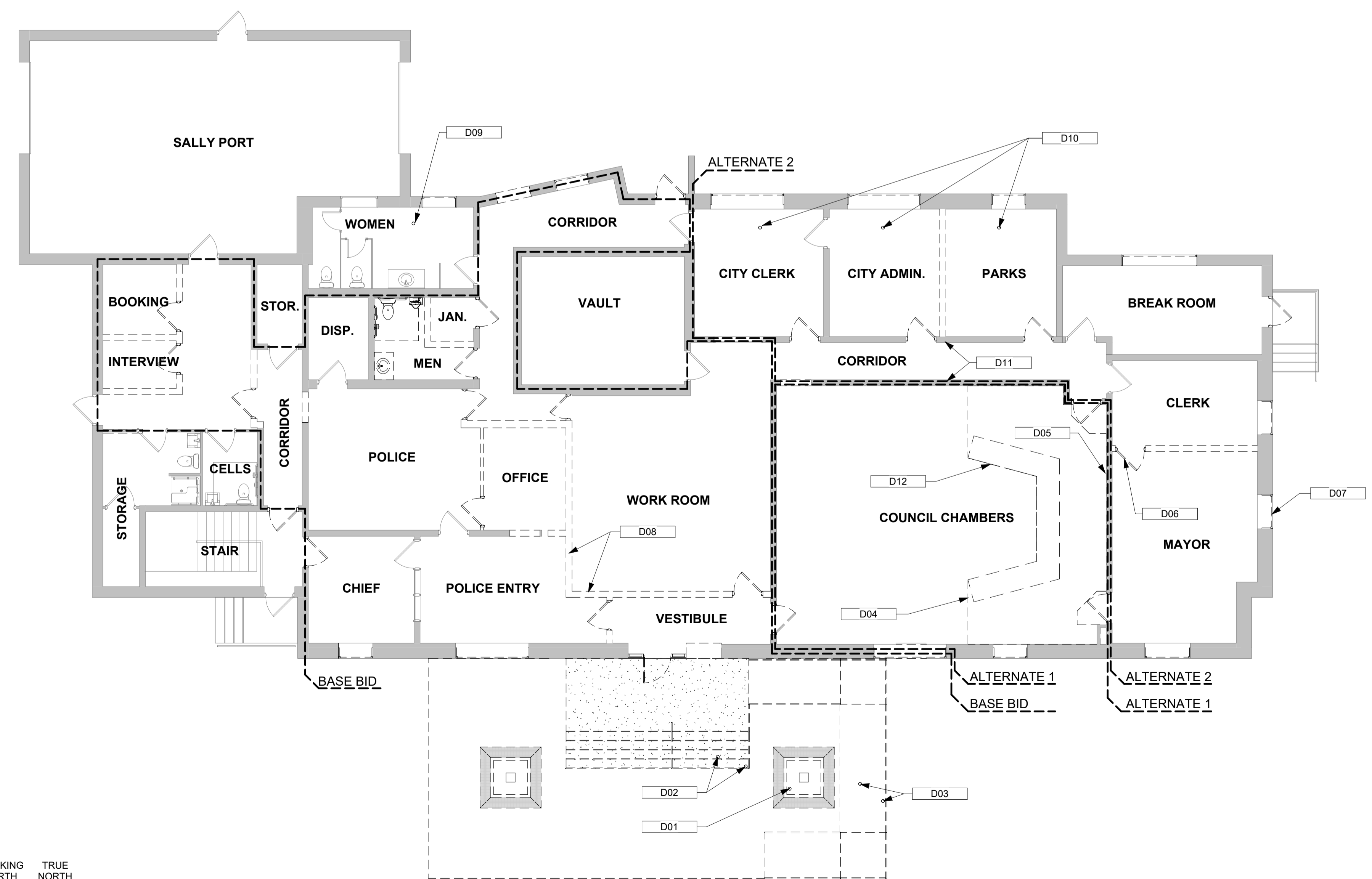
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C01

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DEMOLITION KEYNOTES	
KEY	KEYNOTE
D01	REMOVE EXISTING COLUMN, TYPICAL
D02	REMOVE EXISTING STAIRS AND HAND RAILS
D03	REMOVE EXISTING RAMP AND HAND RAIL
D04	REMOVE EXISTING RISER AND DESK
D05	REMOVE PANELING
D06	REMOVE DOOR AND FRAME, TYPICAL
D07	REMOVE EXISTING WINDOW SYSTEM, TYPICAL
D08	REMOVE EXISTING WALL, TYPICAL
D09	NO WORK TO RESTROOM
D10	REMOVE EXISTING WALL PANELING, SALVAGE FOR OWNER, TYPICAL
D11	EXISTING TO REMAIN
D12	SALVAGE DESK FOR REINSTALLATION

- DEMOLITION NOTES:
1. REMOVE ALL EXISTING CARPET TILE FLOORING UNLESS OTHERWISE NOTED. SALVAGE CARPET TO OWNER. COORDINATE.
 2. REMOVE ALL EXISTING ACOUSTIC CEILING TILE UNLESS OTHERWISE NOTED.
 3. REMOVE ALL ABANDONED WIRING UNLESS OTHERWISE NOTED, SEE ELECTRICAL DRAWINGS.
 4. REMOVE ALL EXISTING DUCTWORK UNLESS OTHERWISE NOTED, SEE MECHANICAL DRAWINGS.
 5. REMOVE ALL EXISTING FLUORESCENT LAYIN TROFFERS UNLESS OTHERWISE NOTED, SEE ELECTRICAL DRAWINGS.
 6. ALL ENTRY CANOPY STRUCTURE AND STAIR FOUNDATIONS SHALL BE REMOVED.



WORKING NORTH TRUE NORTH
 MAIN FLOOR DEMOLITION PLAN
 1/8" = 1'-0"

DEMOLITION PLAN

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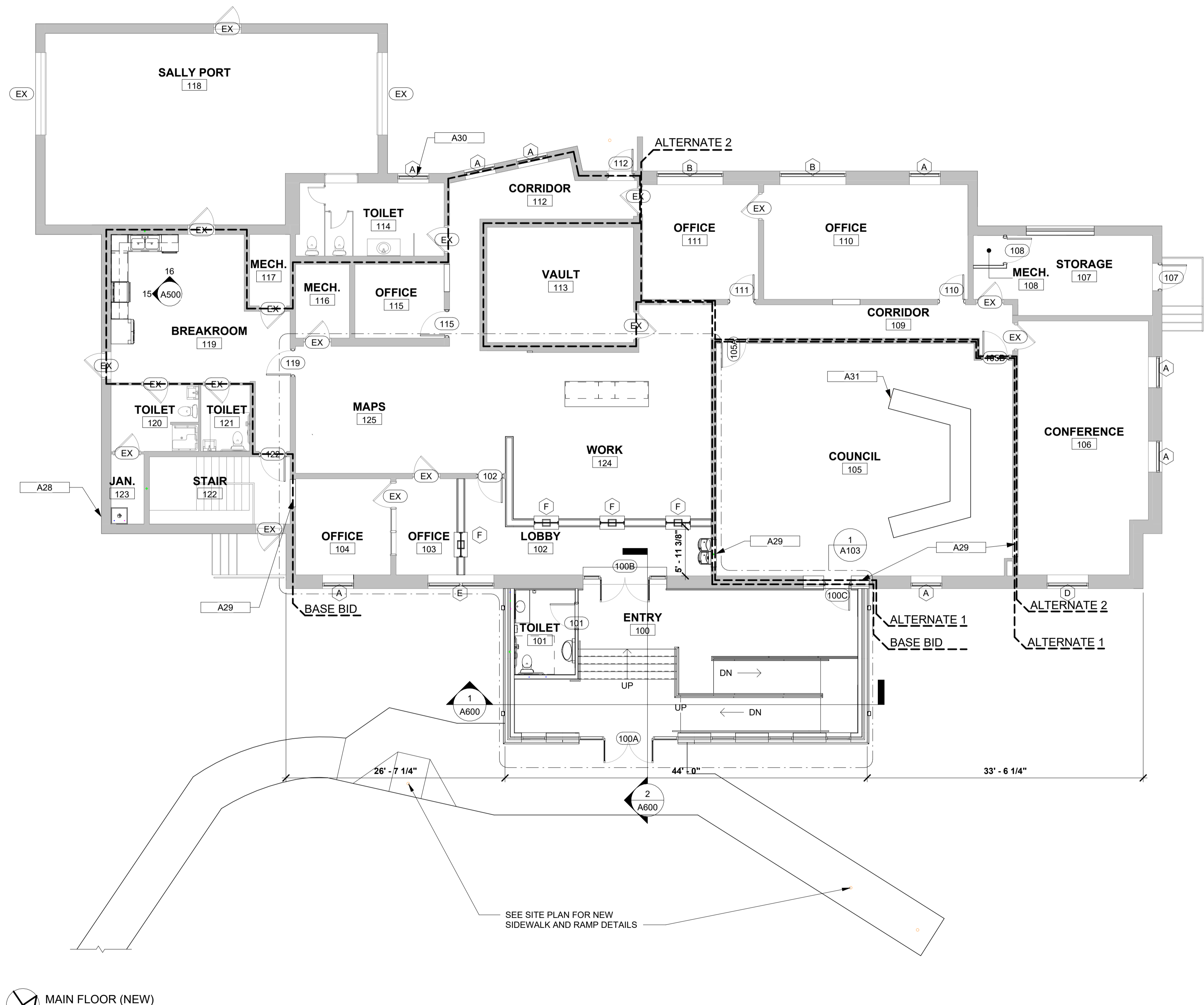
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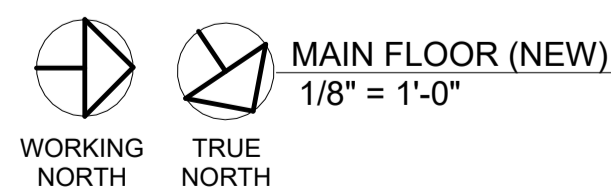
ARCHITECTURAL KEYNOTES	
KEY	KEYNOTE
A28	GRADING REQUIRED AWAY FROM BUILDING
A29	PATCH BACK EXISTING WALL WITH WOOD STUD FRAMING AND DRYWALL BOTH FACES. ENSURE FINISH IS FLUSH WITH EXISTING
A30	OBSCURED GLASS
A31	REINSTALL EXISTING COUNCIL TABLE. SEE ELECTRICAL DRAWINGS FOR NEW ELECTRICAL CONNECTIONS

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FLOOR PLAN NOTES:

1. ALL EXTERIOR DIMENSIONS ARE TO THE EXTERIOR FACE OF FRAMING, WHICH ALIGN TO THE EXTERIOR FACE OF FOUNDATION WALL.
2. ALL INTERIOR DIMENSIONS ARE TO FACE OF FRAMING.
3. ALL SILL PLATES AND OTHER FRAMING COMING INTO CONTACT WITH CONCRETE IS TO BE TREATED.
4. AT PIPE CHASES ON EXTERIOR WALLS, INSULATE BETWEEN PIPE AND EXTERIOR FACE. DO NOT INSULATE ON INTERIOR SIDE OF CHASE.
5. VERIFY ALL DUCT CHASES WITH MECHANICAL CONTRACTOR PRIOR TO CHASE CONSTRUCTION.
6. F.E. = FIRE EXTINGUISHERS. EXTINGUISHERS PROVIDED BY OWNER. CABINETS PROVIDE AND INSTALLED BY CONTRACTOR. COORDINATE LOCATIONS SHOWN ON FLOOR PLANS WITH ARCHITECT PRIOR TO INSTALLATION.
7. ALIGN EXTERIOR FACE OF NEW WINDOWS TO SAME LOCATION AS EXTERIOR FACE OF EXISTING WINDOWS



SEE SITE PLAN FOR NEW SIDEWALK AND RAMP DETAILS

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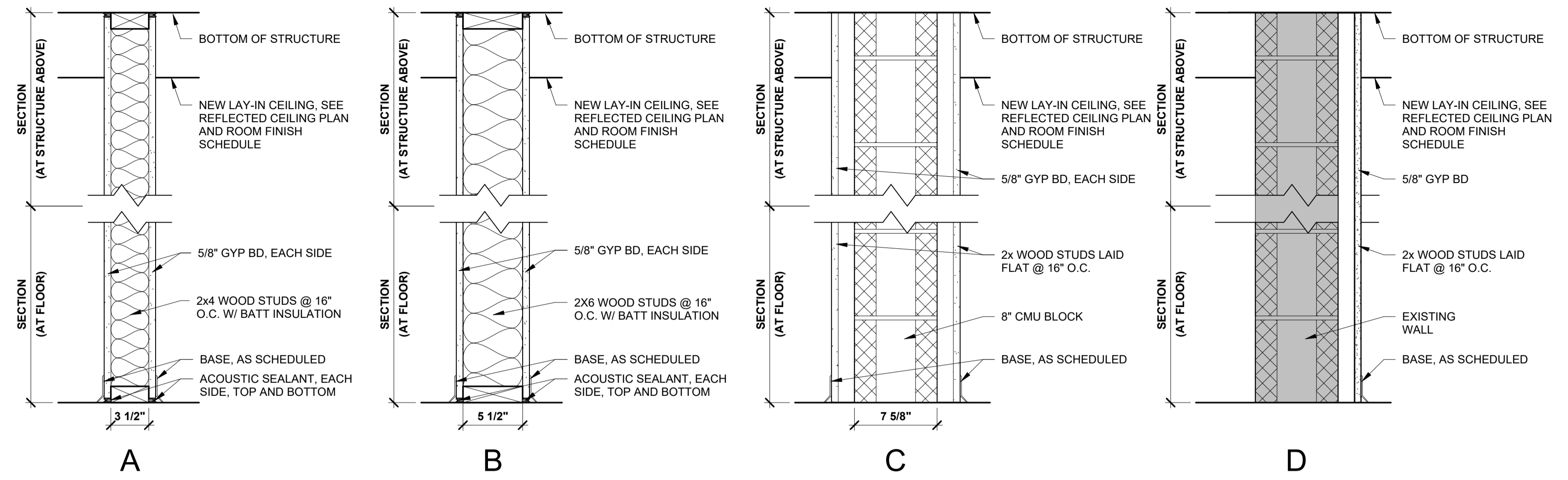
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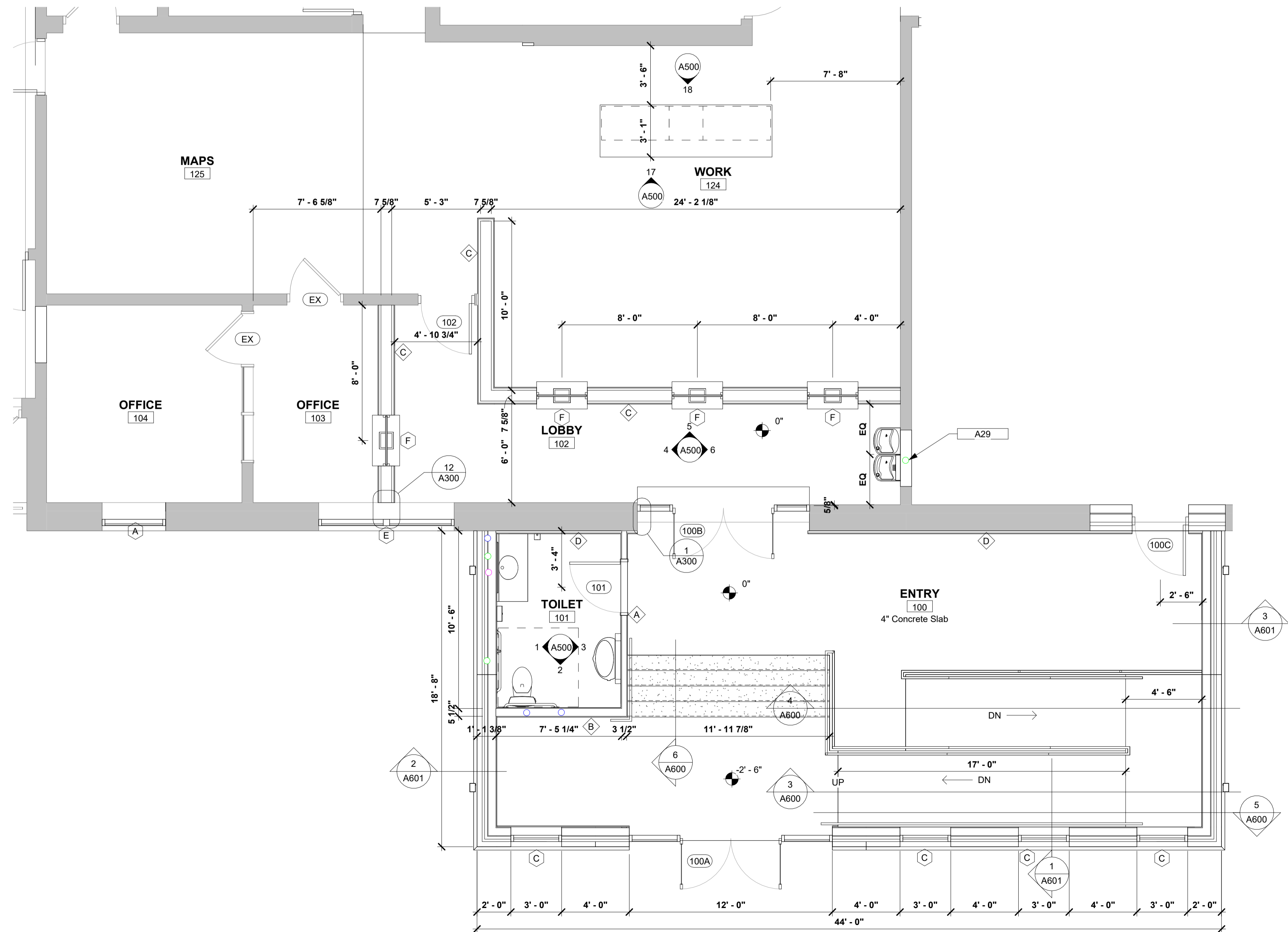
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FLOOR PLAN

ARCHITECTURAL KEYNOTES	
KEY	KEYNOTE
A29	PATCH BACK EXISTING WALL WITH WOOD STUD FRAMING AND DRYWALL BOTH FACES. ENSURE FINISH IS FLUSH WITH EXISTING



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



FLOOR PLAN NOTES:

- ALL EXTERIOR DIMENSIONS ARE TO THE EXTERIOR FACE OF FRAMING, WHICH ALIGN TO THE EXTERIOR FACE OF FOUNDATION WALL.
- ALL INTERIOR DIMENSIONS ARE TO FACE OF FRAMING.
- ALL SILL PLATES AND OTHER FRAMING COMING INTO CONTACT WITH CONCRETE IS TO BE TREATED.
- AT PIPE CHASES ON EXTERIOR WALLS, INSULATE BETWEEN PIPE AND EXTERIOR FACE. DO NOT INSULATE ON INTERIOR SIDE OF CHASE.
- VERIFY ALL DUCT CHASES WITH MECHANICAL CONTRACTOR PRIOR TO CHASE CONSTRUCTION.
- F.E. = FIRE EXTINGUISHERS. EXTINGUISHERS PROVIDED BY OWNER. CABINETS PROVIDE AND INSTALLED BY CONTRACTOR. COORDINATE LOCATIONS SHOWN ON FLOOR PLANS WITH ARCHITECT PRIOR TO INSTALLATION.
- ALIGN EXTERIOR FACE OF NEW WINDOWS TO SAME LOCATION AS EXTERIOR FACE OF EXISTING WINDOWS.

1 ENLARGED PLAN
A103 1/4" = 1'-0"

ENLARGED PLAN

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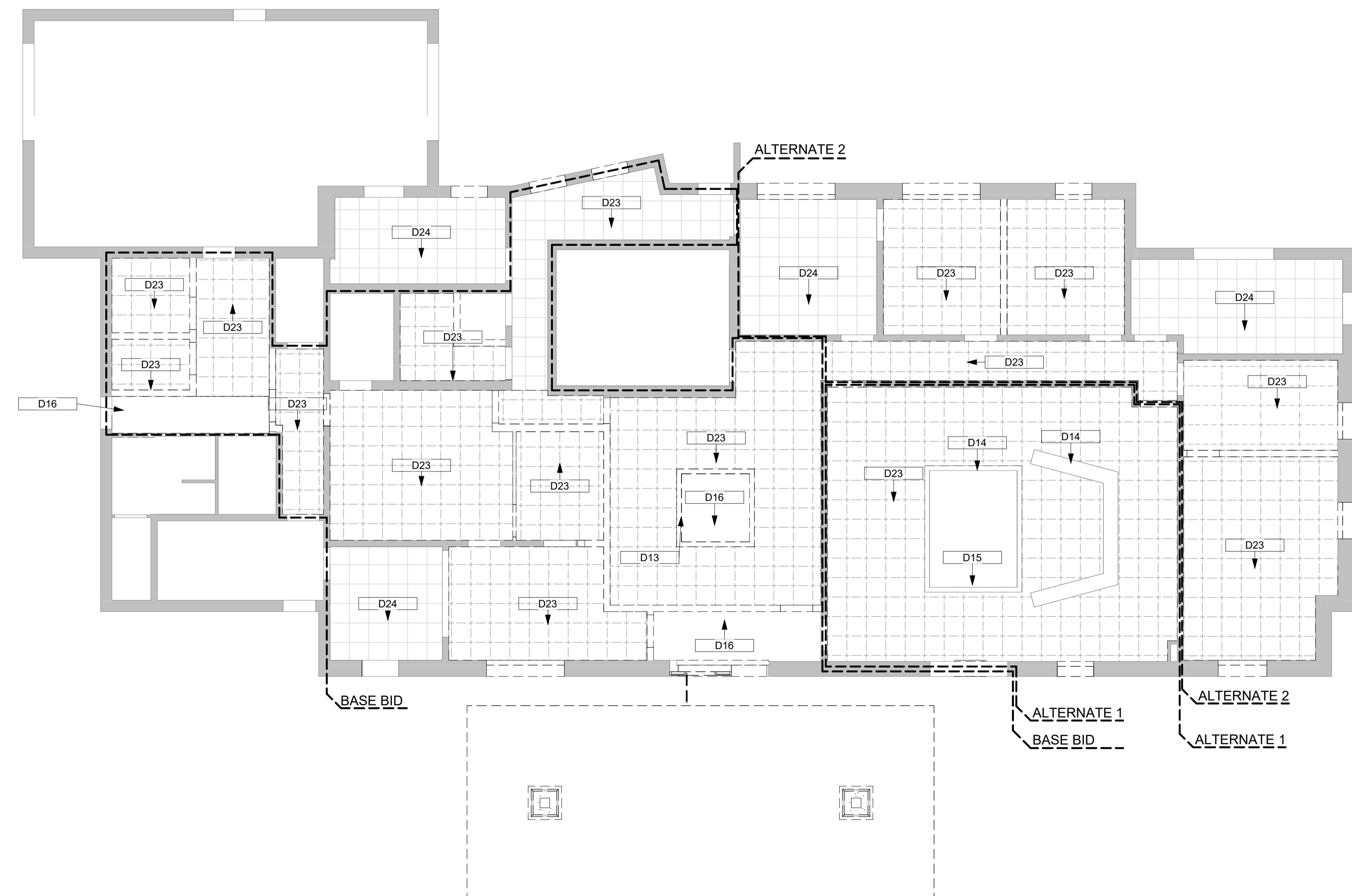
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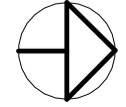

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DEMOLITION KEYNOTES	
KEY	KEYNOTE
D13	DRYWALL BULKHEAD TO BE DEMOLISHED
D14	DRYWALL BULKHEAD TO REMAIN, PROTECT
D15	DRYWALL CEILING TO REMAIN, PROTECT
D16	DRYWALL CEILING TO BE REMOVED, SEE REFLECTED CEILING PLAN FOR NEW FINISHES
D23	EXISTING ACT CEILING TO BE REMOVED
D24	EXISTING ACT CEILING TO REMAIN, PROTECT

RCP DEMOLITION NOTES:

1. REMOVE CEILING TILE AND GRID IN AREAS CALLED FOR DEMOLITION
2. SEE MECHANICAL & ELECTRICAL DRAWINGS & SPECS FOR INFORMATION.
3. REMOVE TRASH & DEBRIS FROM ALL AREAS OF THE BUILDING. THIS INCLUDES STUD SPACES & ATTICS OPENED DURING CONSTRUCTION.
4. WOOD WALLS - REMOVE ROTTED OR BROKEN AREAS OF SHEATHING AND FRAMING ALL AREAS WHERE SHEATHING OR FRAMING ARE TO BE REPLACED SHALL BE PHOTO DOCUMENTED.
5. REMOVE DEBRIS FROM THE SITE AS IT IS GENERATED. PROVIDE ON SITE DUMPSTERS OR OTHER CONTAINERS.
6. NOT ALL ITEMS FOR DEMOLITION, OR UNKNOWN CONDITIONS, CAN BE SHOWN OR NOTED FOR REMOVAL. QUESTIONS REGARDING REMOVAL SHALL BE DIRECTED TO THE ARCHITECT FOR RESOLUTION.
7. PATCH TO MATCH ADJACENT SURFACES AT DEMO AREAS WHERE INFILL IS REQUIRED UNLESS OTHERWISE NOTED IN ROOM FINISH SCHEDULE.





REFLECTED CEILING PLAN (DEMO) - BASE BID
 1/8" = 1'-0"

REFLECTED CEILING DEMOLITION PLAN

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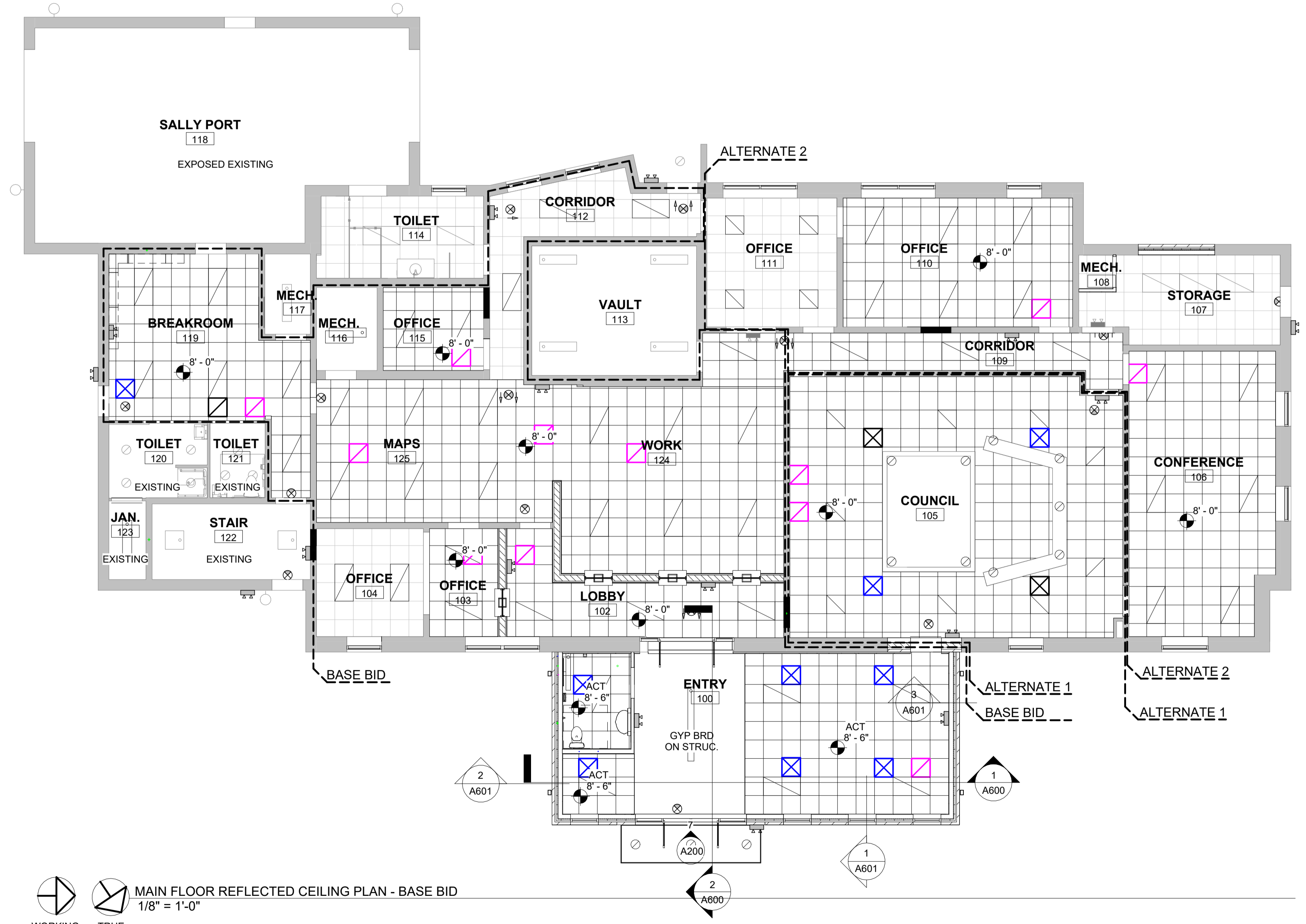

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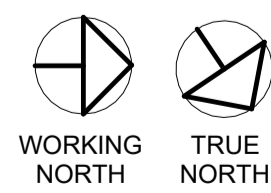
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- REFLECTED CEILING PLAN NOTES:**
1. VERIFY CEILING GRID LAYOUT WITH EXACT ROOM DIMENSIONS.
 2. AVOID CUT TILE SIZES LESS THAN 4"
 3. CONTRACTOR TO PATCH BACK AND PAINT ALL EXISTING GYP. BRD. BULKHEADS AND CEILINGS TO REMAIN.



MAIN FLOOR REFLECTED CEILING PLAN - BASE BID
1/8" = 1'-0"

REFLECTED CEILING PLAN

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A105

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ROOM FINISH SCHEDULE									
	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISHES				CEILING FINISH	NOTES
				NORTH	EAST	SOUTH	WEST		
100	ENTRY	LVT	VINYL	PAINT	PAINT	PAINT	PAINT	ACT/GYP BRD	
101	TOILET	LVT	VINYL	EPOXY PAINT	EPOXY PAINT	EPOXY PAINT	EPOXY PAINT	ACT	
102	LOBBY	LVT	VINYL	PAINT	PAINT	PAINT	PAINT	ACT	
103	OFFICE	CARPET	VINYL	PAINT	PAINT	PAINT	PAINT	ACT	
104	OFFICE	CARPET	VINYL	PAINT	PAINT	PAINT	PAINT	EX	
105	COUNCIL	CARPET	VINYL	PAINT	PAINT	PAINT	PAINT	ACT/GYP BRD	
106	CONFERENCE	CARPET	VINYL	PAINT	PAINT	PAINT	PAINT	ACT	
107	STORAGE	CONCRETE	---	PAINT	PAINT	PAINT	PAINT	EX	
108	MECH.	CONCRETE	---	PAINT	PAINT	PAINT	PAINT	---	
109	CORRIDOR	CARPET	VINYL	PAINT	PAINT	PAINT	PAINT	ACT	
110	OFFICE	CARPET	VINYL	PAINT	PAINT	PAINT	PAINT	ACT	
111	OFFICE	CARPET	VINYL	PAINT	PAINT	PAINT	PAINT	EX	
112	CORRIDOR	CARPET	VINYL	PAINT	PAINT	PAINT	PAINT	EX	
113	VAULT	LVT	VINYL	PAINT	PAINT	PAINT	PAINT	GYP BRD	
114	TOILET	LVT	VINYL	PAINT	PAINT	PAINT	PAINT	EX	
115	OFFICE	CARPET	VINYL	PAINT	PAINT	PAINT	PAINT	ACT	
116	MECH.	CONCRETE	---	PAINT	PAINT	PAINT	PAINT	---	
117	MECH.	CONCRETE	---	PAINT	PAINT	PAINT	PAINT	---	
118	SALLY PORT	EX	EX	EX	EX	EX	EX	EX	
119	BREAKROOM	LVT	VINYL	PAINT	PAINT	PAINT	PAINT	ACT	
120	TOILET	LVT	VINYL	EPOXY PAINT	EPOXY PAINT	EPOXY PAINT	EPOXY PAINT	EX	
121	TOILET	LVT	VINYL	EPOXY PAINT	EPOXY PAINT	EPOXY PAINT	EPOXY PAINT	EX	
122	STAIR	EX	EX	EX	EX	EX	EX	EX	
123	JAN.	CONCRETE	---	PAINT	PAINT	PAINT	PAINT	EX	
124	WORK	CARPET	VINYL	PAINT	PAINT	PAINT	PAINT	ACT	
125	MAPS	CARPET	VINYL	PAINT	PAINT	PAINT	PAINT	ACT	

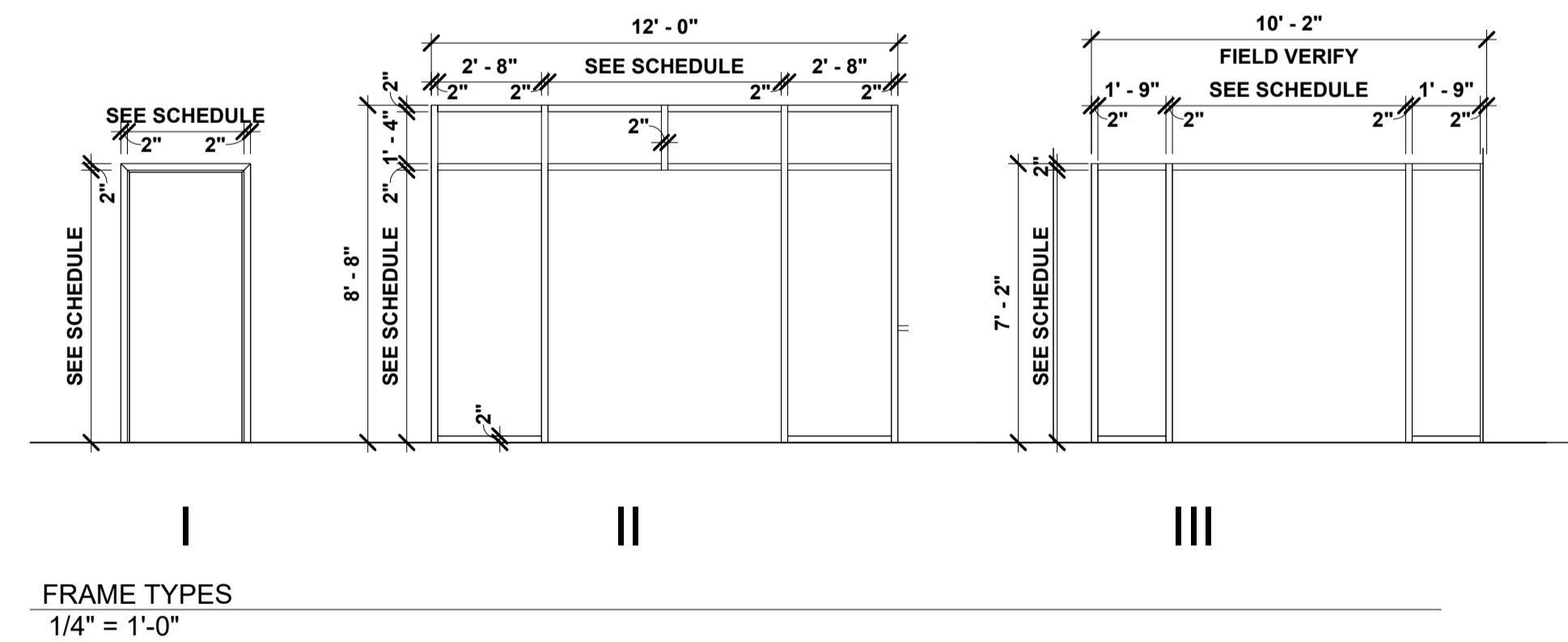
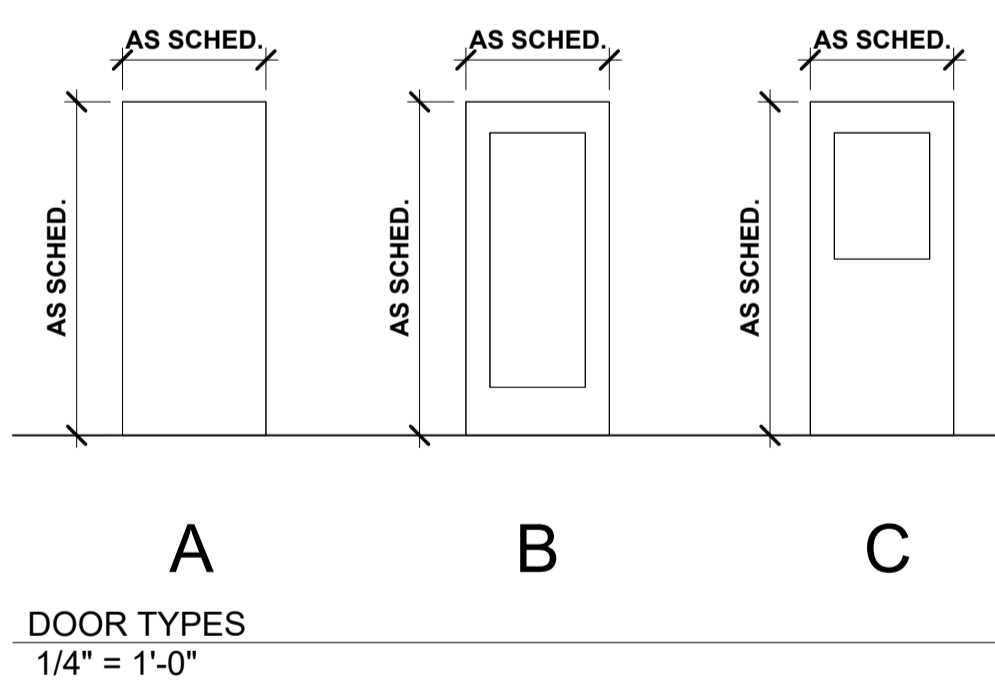
ROOM FINISH NOTES:

- CONTRACTOR TO PATCH BACK NEW TO EXISTING WALL FINISHES TO MATCH EXISTING.
- INSTALL TRANSITION STRIPS BETWEEN DISIMILAR FLOORING TYPES.
- SALVAGE EXISTING CARPET TILE, VERIFY WITH OWNER.
- CONTRACTOR TO INSTALL DRYWALL EXPANSION JOINTS AS REQUIRED IN NEW CONSTRUCTION, VERIFY FINAL PLACEMENT WITH ARCHITECT.

DOOR AND FRAME SCHEDULE													
DOOR NO.	DOOR					FRAME					FIRE LABEL	NOTES	
	WIDTH	HEIGHT	THICK	MATERIAL	TYPE	GLASS	TYPE	MATERIAL	GLASS	HEAD			JAMB
100A	6'-0"	7'-0"	1 3/4"	ALUMINUM	B	INSUL/TEMP	II	ALUMINUM	INSUL/TEMP	2/A300	6/A300	7/A300	
100B	6'-0"	7'-0"	1 3/4"	ALUMINUM	B	TEMP	III	ALUMINUM	TEMP	9/A300	1/A300	---	
100C	3'-0"	7'-0"	1 3/4"	WOOD	A	---	I	HOLLOW METAL	---	13/A300	14/A300	---	
101	3'-0"	7'-0"	1 3/4"	WOOD	A	---	I	HOLLOW METAL	---	10/A300	11/A300	---	
102	3'-0"	7'-0"	1 3/4"	WOOD	A	---	I	HOLLOW METAL	---	15/A300	16/A300	---	
105A	3'-0"	7'-0"	1 3/4"	WOOD	A	---	I	HOLLOW METAL	---	15/A300	16/A300	---	
105B	3'-0"	7'-0"	1 3/4"	WOOD	A	---	I	HOLLOW METAL	---	15/A300	16/A300	---	
107	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	A	---	I	HOLLOW METAL	---	15/A300	14/A300	7/A300 SIM	
108	3'-0"	7'-0"	1 3/4"	WOOD	A	---	I	HOLLOW METAL	---	10/A300	11/A300	---	
110	3'-0"	7'-0"	1 3/4"	WOOD	C	TEMP	I	HOLLOW METAL	---	15/A300	16/A300	---	
111	3'-0"	7'-0"	1 3/4"	WOOD	C	TEMP	I	HOLLOW METAL	---	15/A300	16/A300	---	
112	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	A	---	I	HOLLOW METAL	---	13/A300	14/A300	7/A300 SIM	
115	3'-0"	7'-0"	1 3/4"	WOOD	C	TEMP	I	HOLLOW METAL	---	15/A300	16/A300	---	
119	3'-0"	7'-0"	1 3/4"	WOOD	C	TEMP	I	HOLLOW METAL	---	15/A300	16/A300	---	
122	3'-0"	7'-0"	1 3/4"	WOOD	A	---	I	HOLLOW METAL	---	15/A300	16/A300	---	

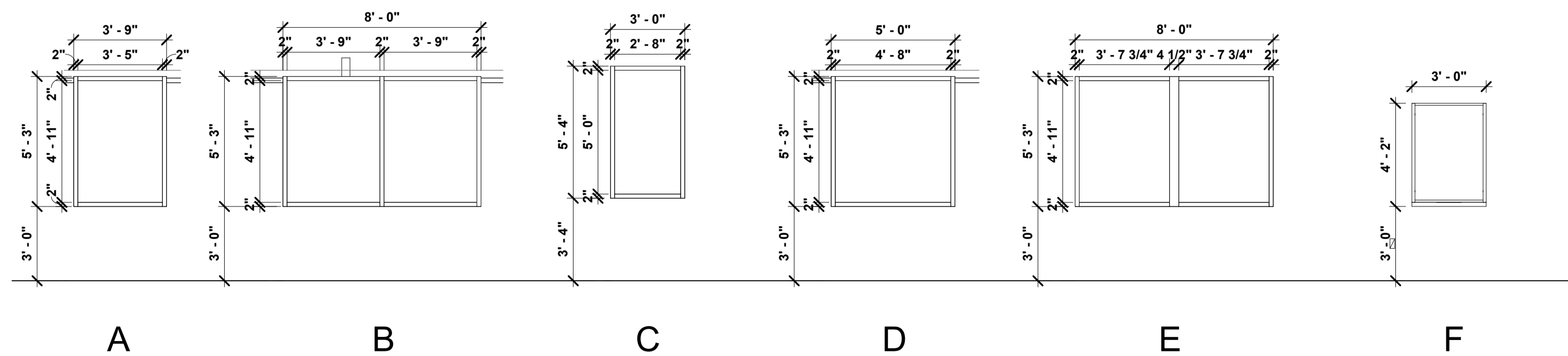
GENERAL DOOR AND FRAME NOTES:

- ALL EXTERIOR HOLLOW METAL DOORS AND FRAMES TO BE INSULATED GALVANIZED
- ALL THRESHOLDS TO MEET THE AMERICANS WITH DISABILITIES ACT
- OVERHEAD DOORS ARE TO BE HIGH-LIFT WHERE SIDE WALLS ARE TALL AND INSTALLED AS HIGH AS POSSIBLE IN ALL CASES EXCEPT WHERE NOTED.
- SEE INTERIOR ELEVATIONS FOR TYPICAL CLEARANCES
- PROVIDE CLOSERS, SWEEPS AND WEATHERSTRIPPING FOR ALL EXTERIOR DOORS
- MATCH KEYWAY TO OWNER KEY SYSTEM.
- FIELD VERIFY ALL CONDITIONS PRIOR TO ORDERING.
- ALL GLAZING TO BE TEMPERED WHERE REQUIRED BY CODE.



WINDOW NOTES:

- PROVIDE SCREENS ON ALL OPERABLE UNITS.
- ON EXTERIOR WINDOWS, PROVIDE HEAD FLASHING WITH END JAMBS.
- PROVIDE TEMPERED GLAZING AT ALL LOCATIONS REQUIRED BY CODE.
- PREPARE OPENINGS IN ACCORDANCE WITH BUILDING WRAP MANUFACTURER'S RECOMMENDATIONS.
- FIELD VERIFY ALL WINDOW OPENINGS PRIOR TO FRAMINGS.

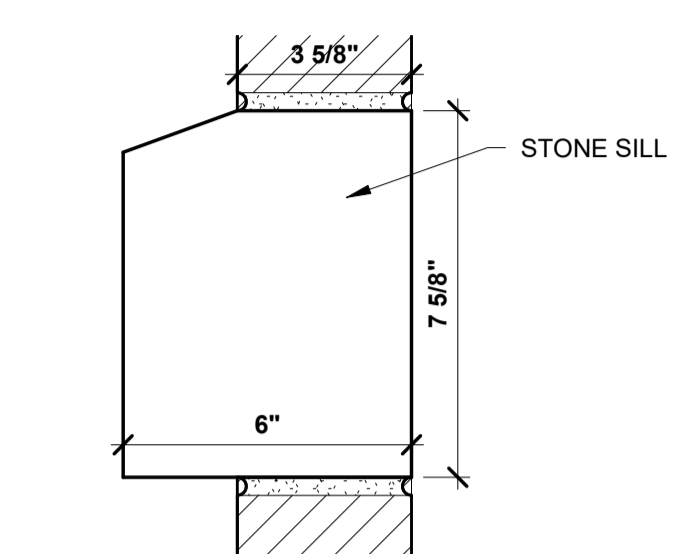


WINDOW TYPES NOTE: FIELD VERIFY ALL DIMENSIONS FOR EXTERIOR WINDOWS 1/4\"/>

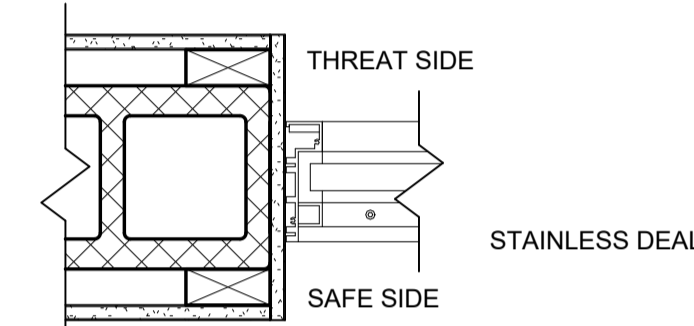
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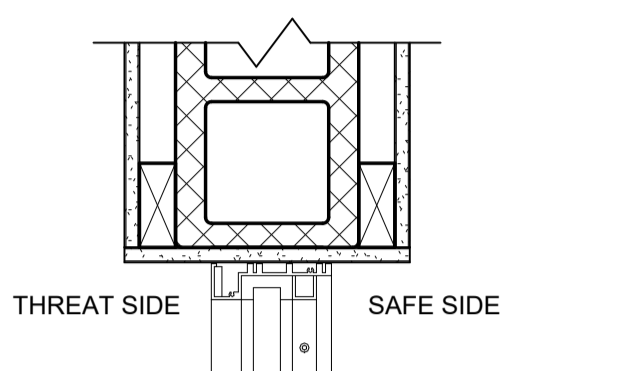
ASSEMBLIES KEYNOTES	
KEY	KEYNOTE
AS04	BRICK, 1 3/4" AIR SPACE; 2" RIGID INSULATION; AIR BARRIER; 1/2" SHEATHING; 2X6 WOOD FRAMING @ 16" O.C.; 1" CLOSED CELL SPREAY FOAM; R-13 BATT INSULATION; 6 MIL. VAPOR BARRIER; 5/8" GYPSUM BOARD



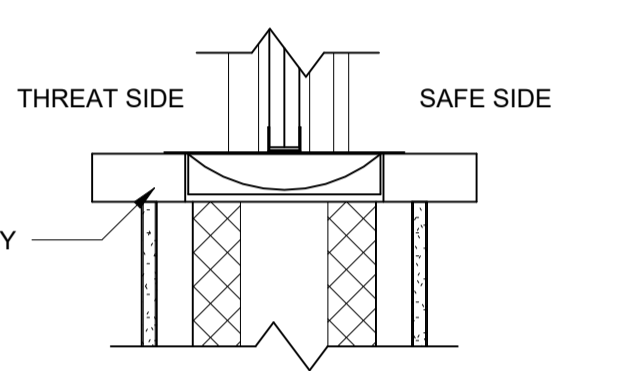
26 SILL DETAIL
A300 3" = 1'-0"



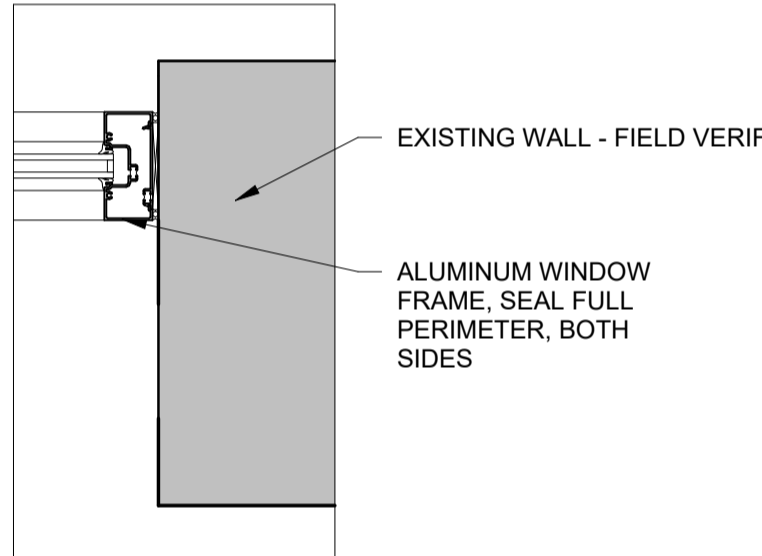
24 SILL DETAIL
A300 1 1/2" = 1'-0"



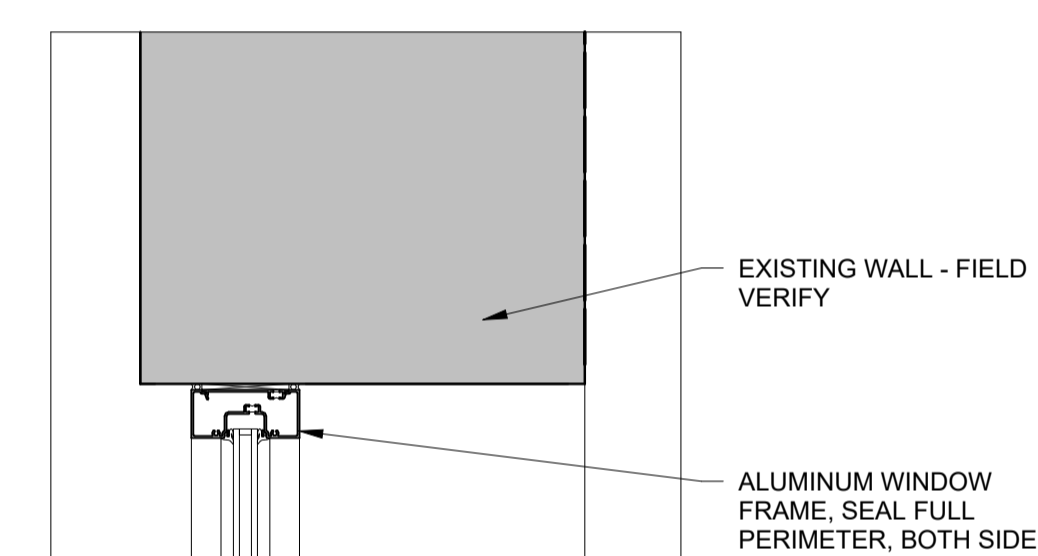
25 SILL DETAIL
A300 1 1/2" = 1'-0"



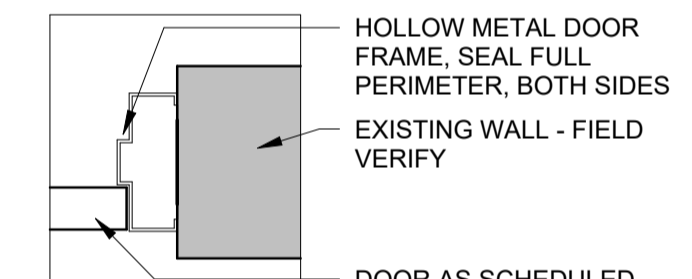
23 SILL DETAIL
A300 1 1/2" = 1'-0"



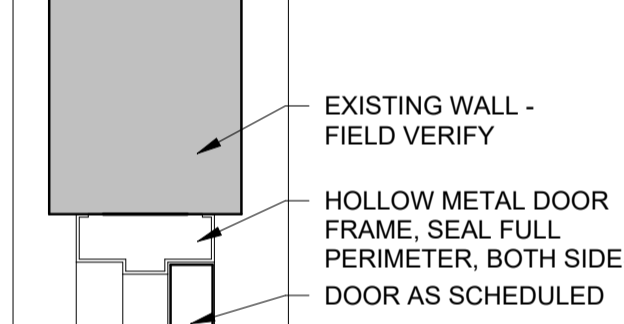
18 JAMB DETAIL
A300 1 1/2" = 1'-0"



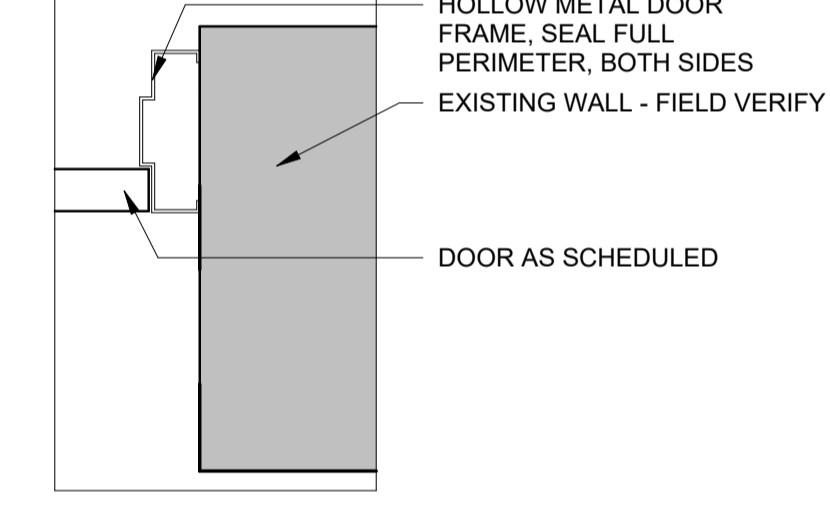
17 HEAD DETAIL
A300 1 1/2" = 1'-0"



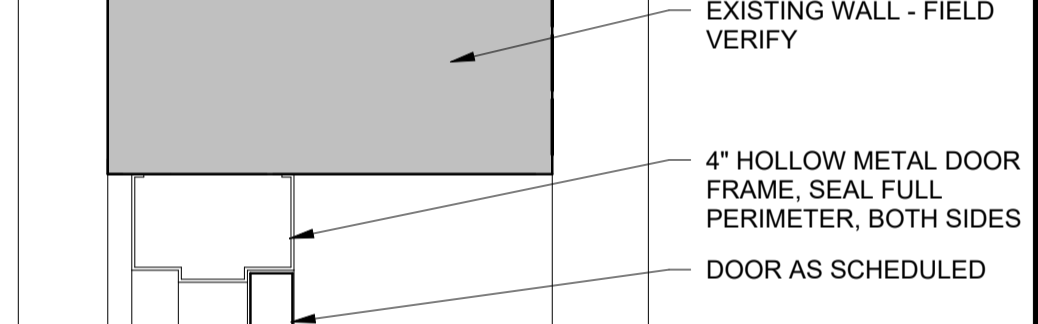
16 JAMB DETAIL
A300 1 1/2" = 1'-0"



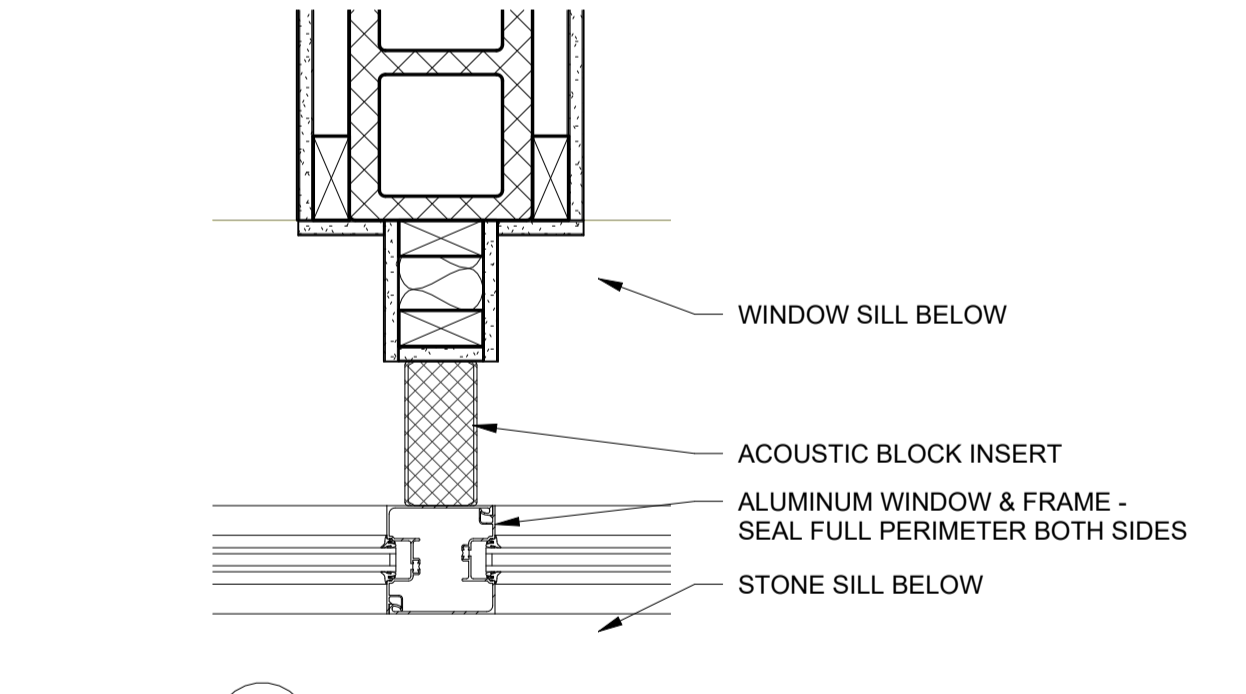
15 HEAD DETAIL
A300 1 1/2" = 1'-0"



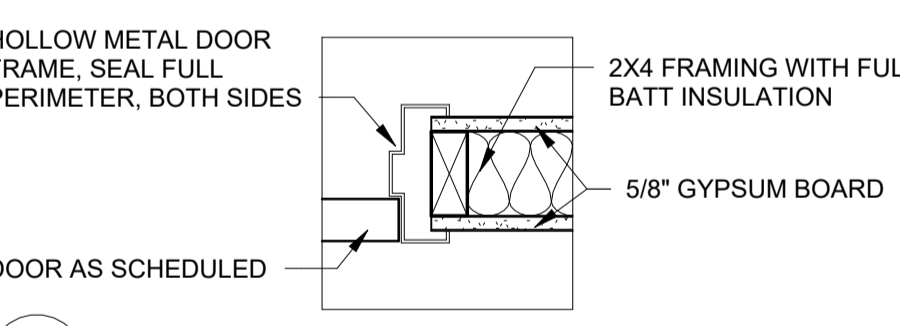
14 JAMB DETAIL
A300 1 1/2" = 1'-0"



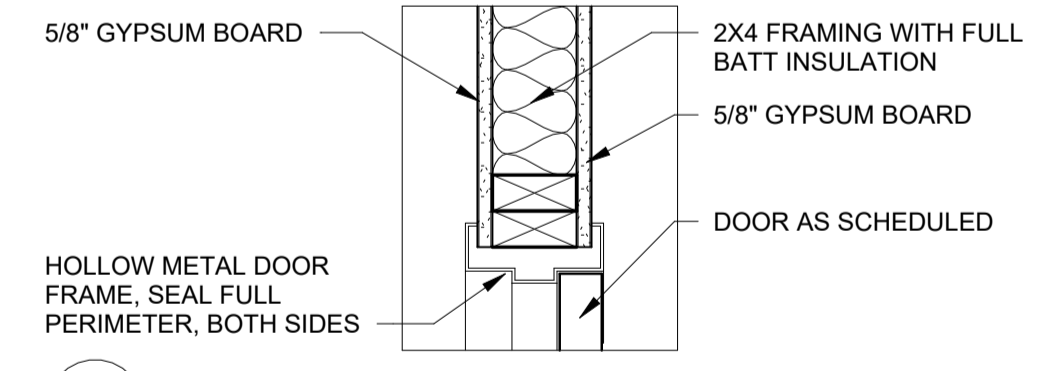
13 HEAD DETAIL
A300 1 1/2" = 1'-0"



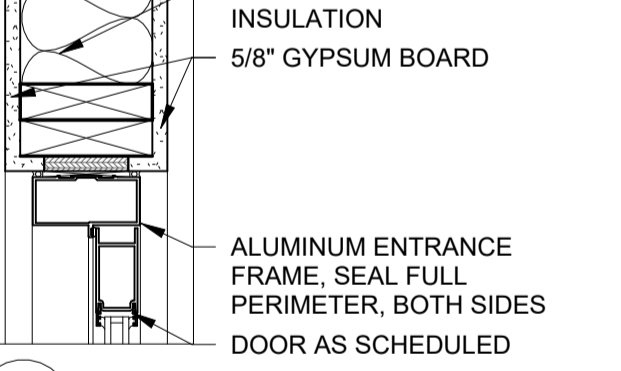
12 JAMB DETAIL
A300 1 1/2" = 1'-0"



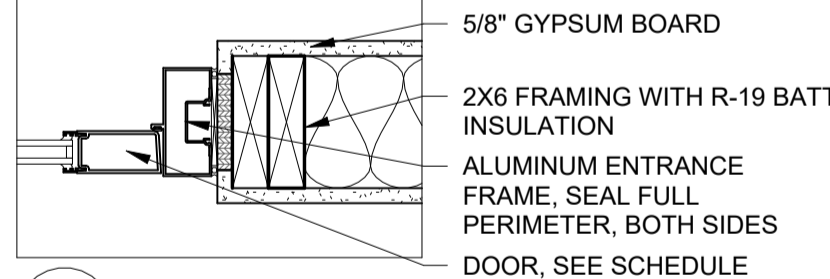
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A300 1 1/2" = 1'-0"



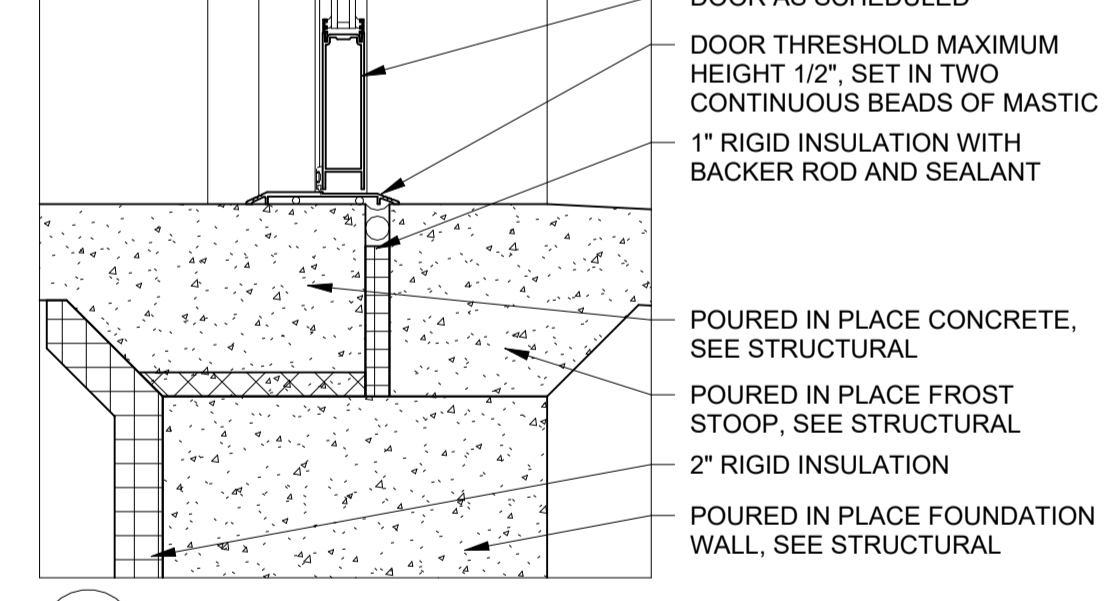
10 HEAD DETAIL
A300 1 1/2" = 1'-0"



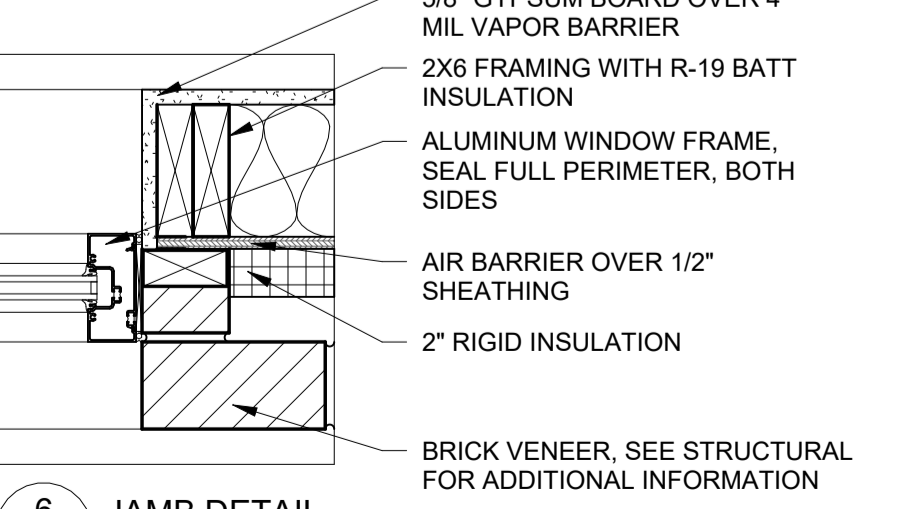
9 HEAD DETAIL
A300 1 1/2" = 1'-0"



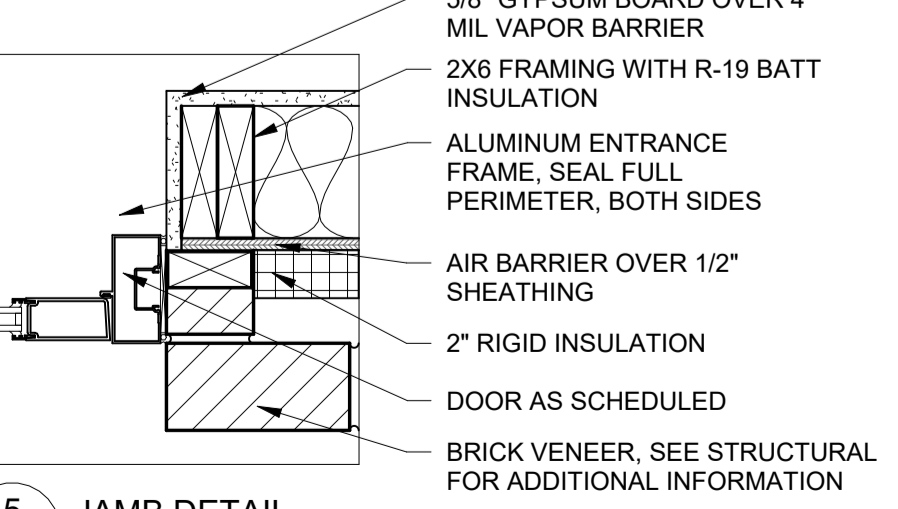
8 JAMB DETAIL
A300 1 1/2" = 1'-0"



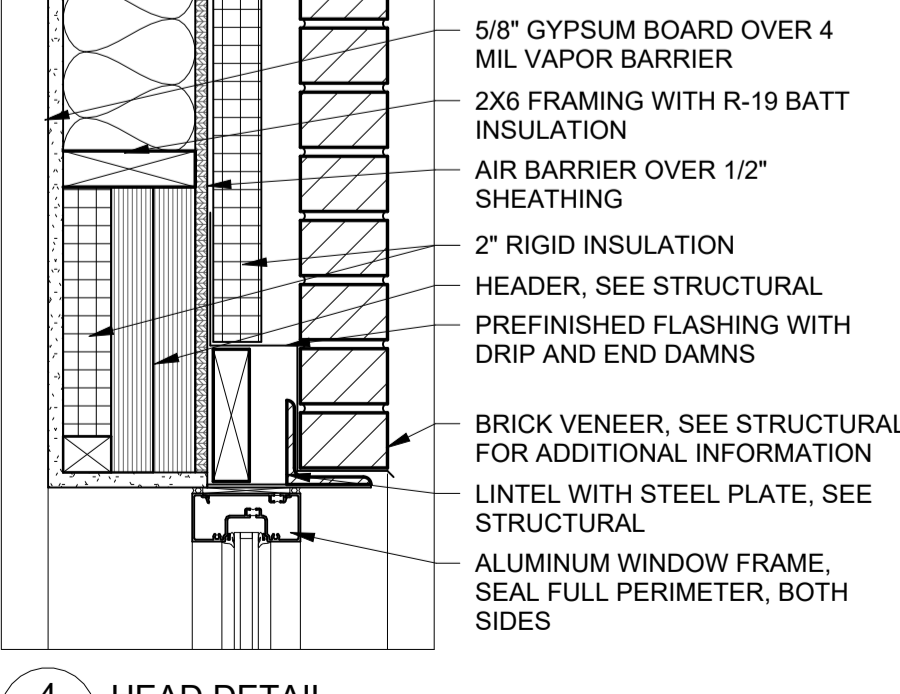
7 SILL DETAIL
A300 1 1/2" = 1'-0"



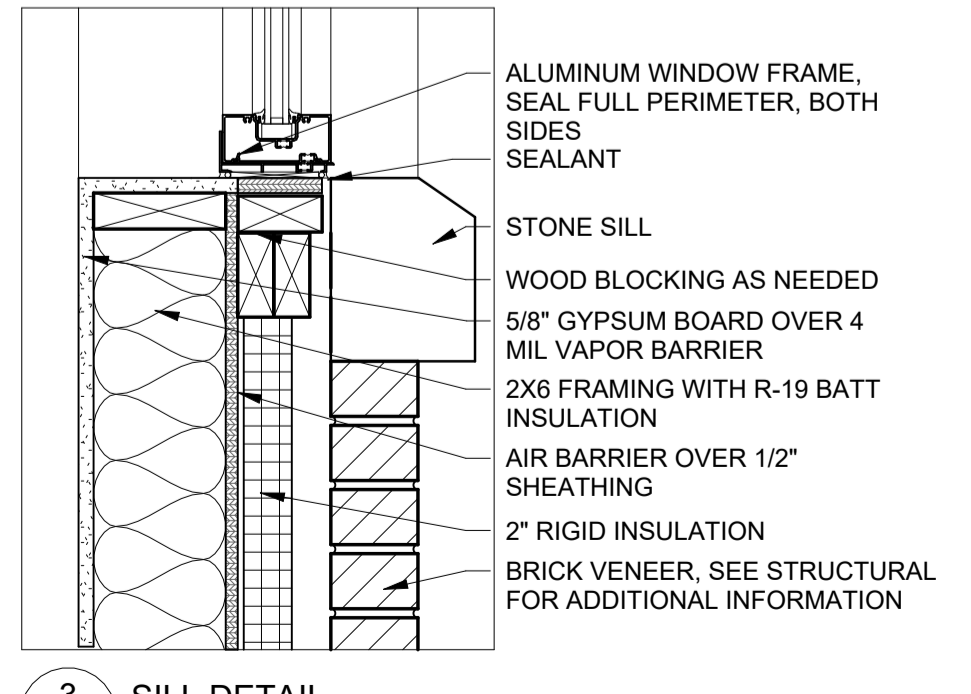
6 JAMB DETAIL
A300 1 1/2" = 1'-0"



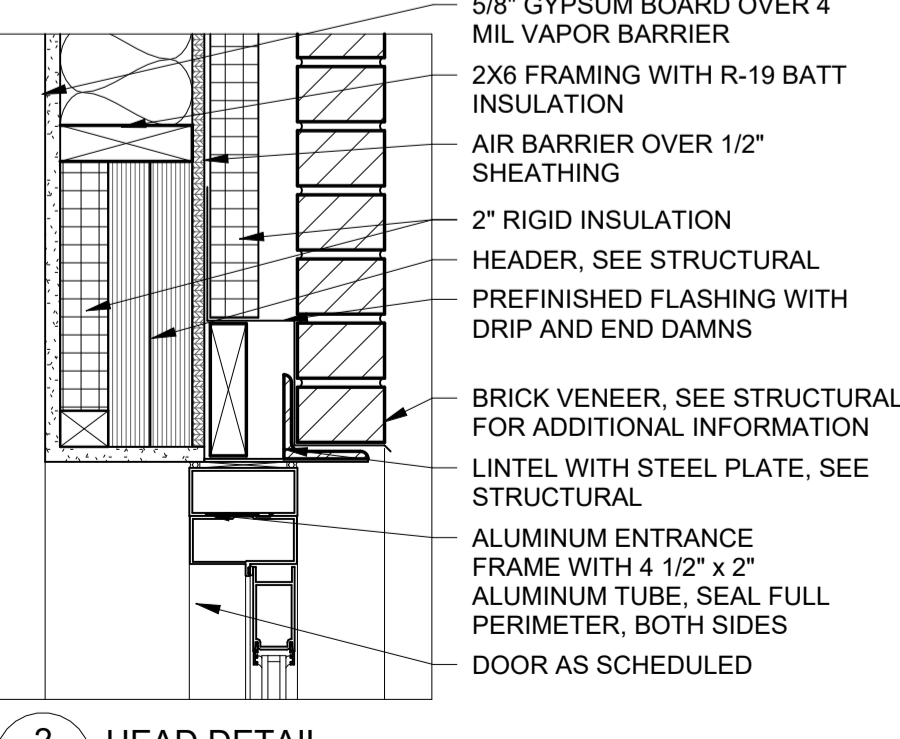
5 JAMB DETAIL
A300 1 1/2" = 1'-0"



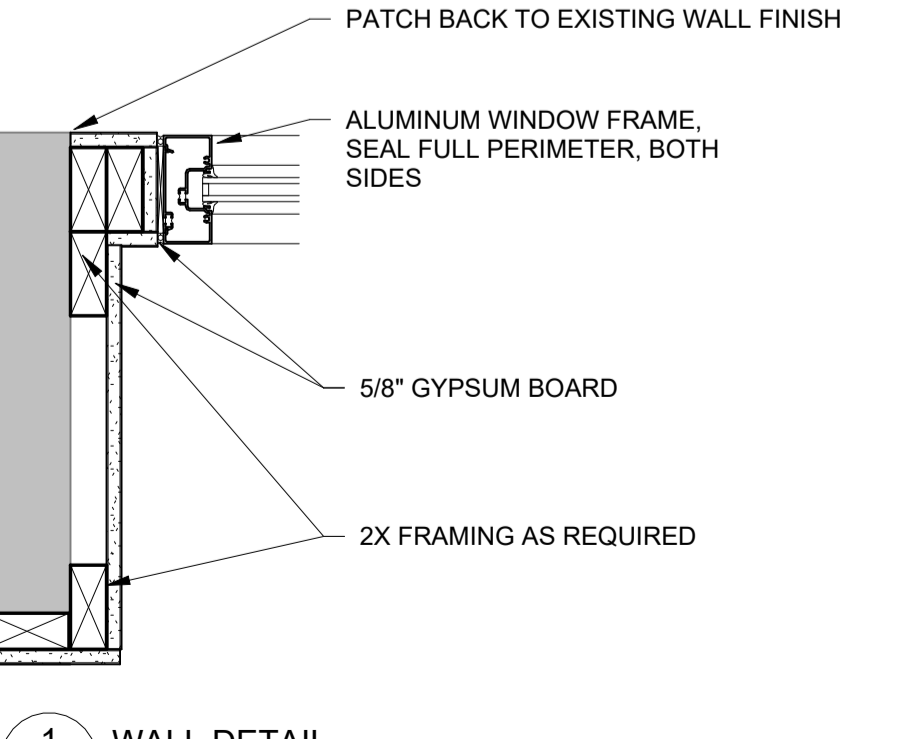
4 HEAD DETAIL
A300 1 1/2" = 1'-0"



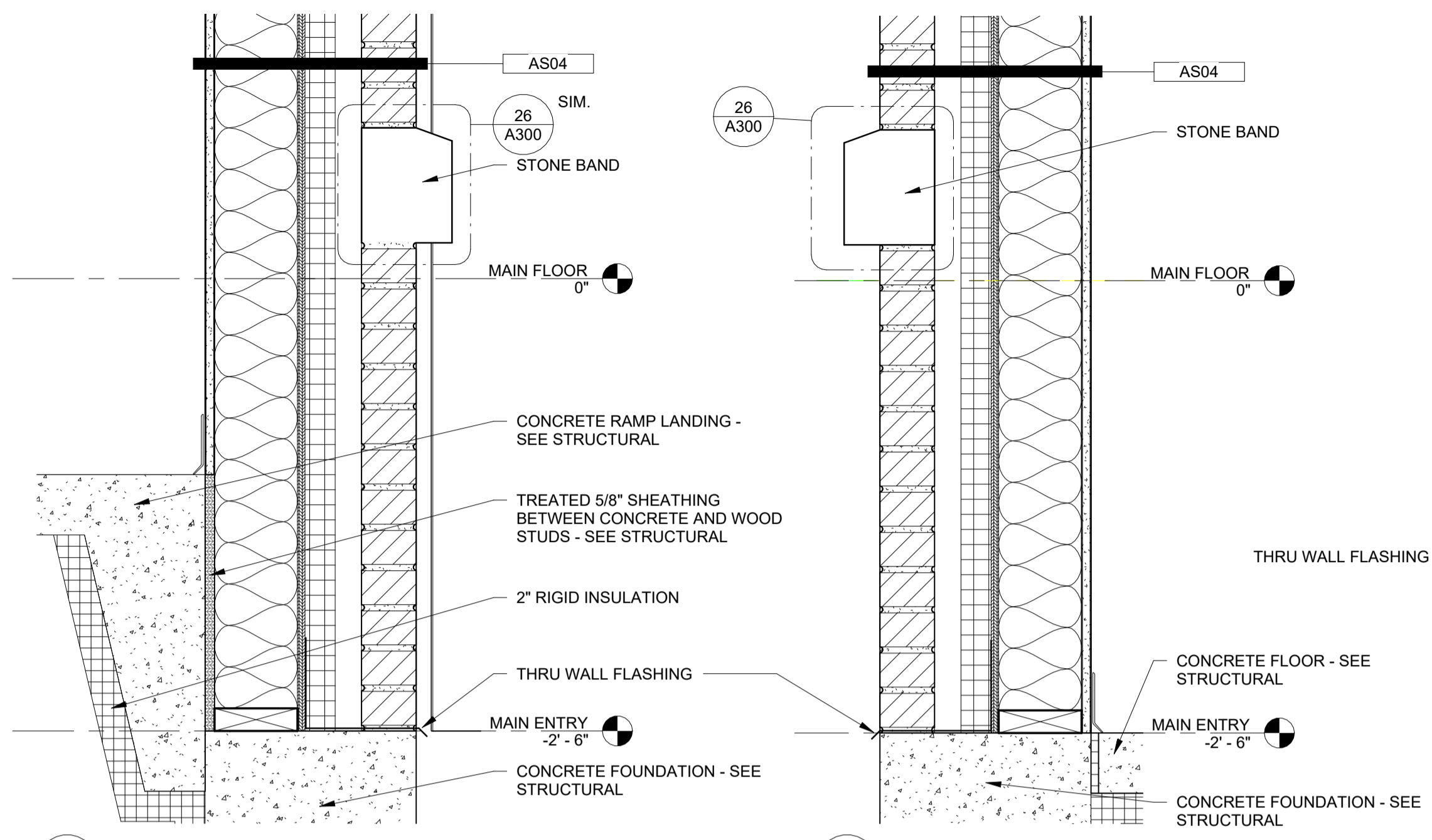
3 SILL DETAIL
A300 1 1/2" = 1'-0"



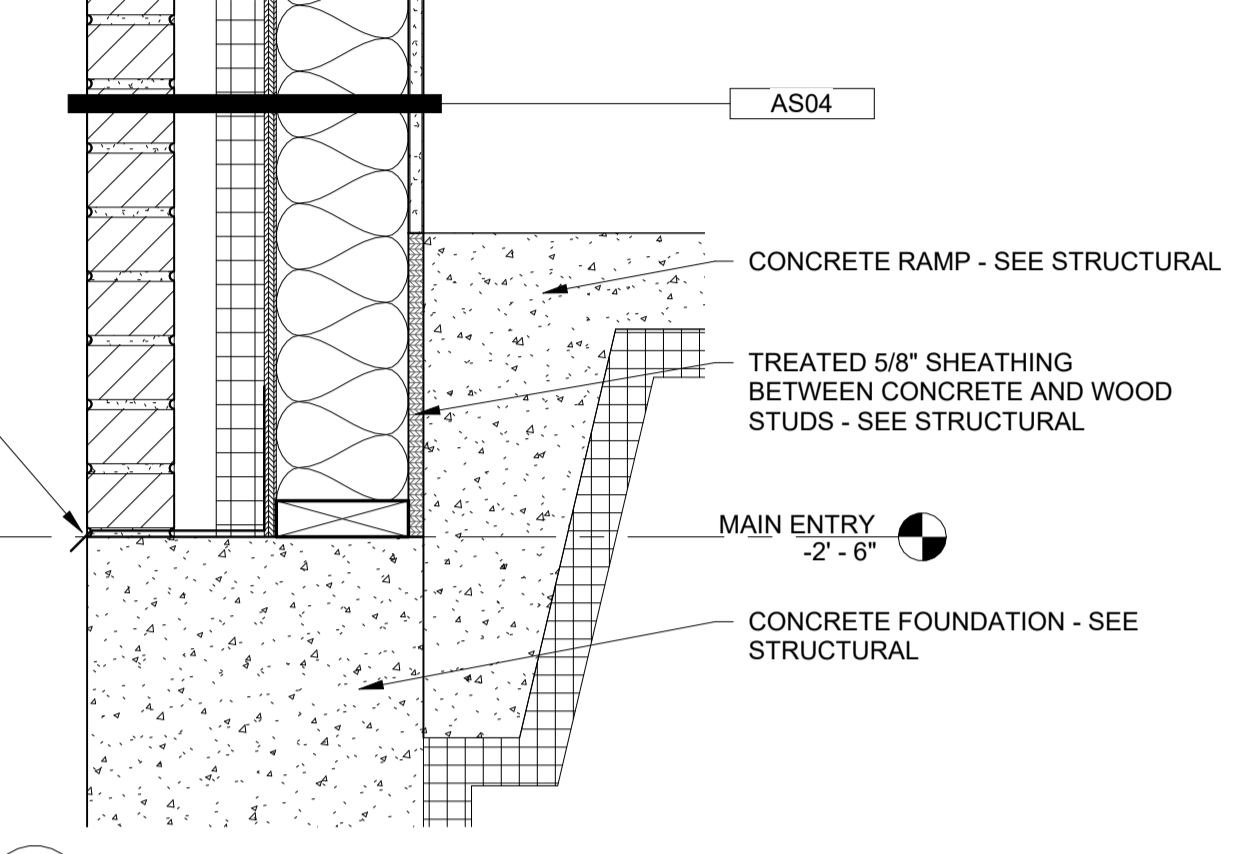
2 HEAD DETAIL
A300 1 1/2" = 1'-0"



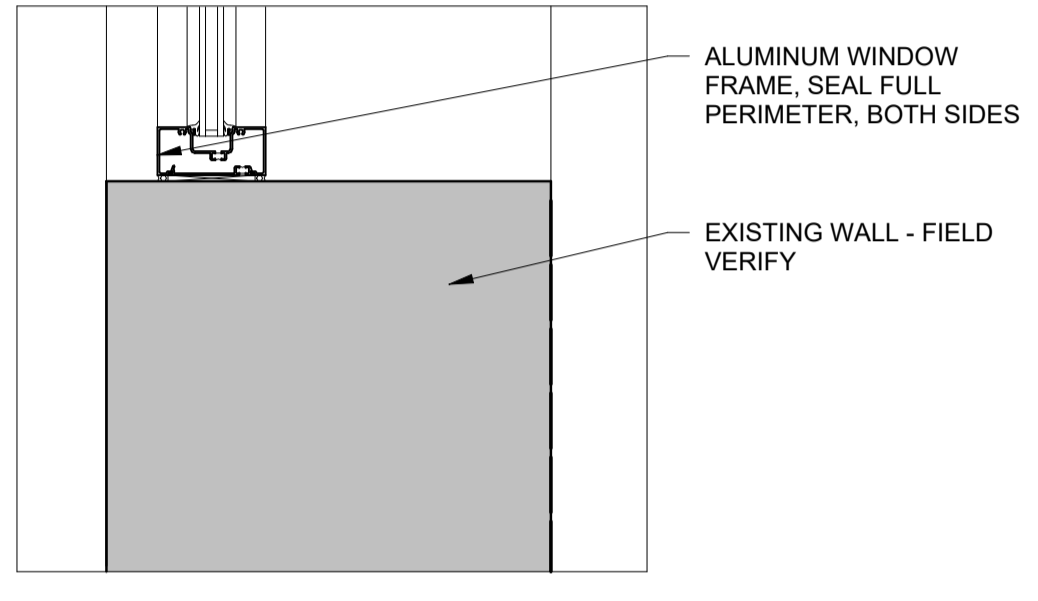
1 WALL DETAIL
A300 1 1/2" = 1'-0"



22 WALL DETAIL
A300 1 1/2" = 1'-0"



20 WALL DETAIL
A300 1 1/2" = 1'-0"



19 SILL DETAIL
A300 1 1/2" = 1'-0"

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OELWEIN CITY HALL RENOVATION

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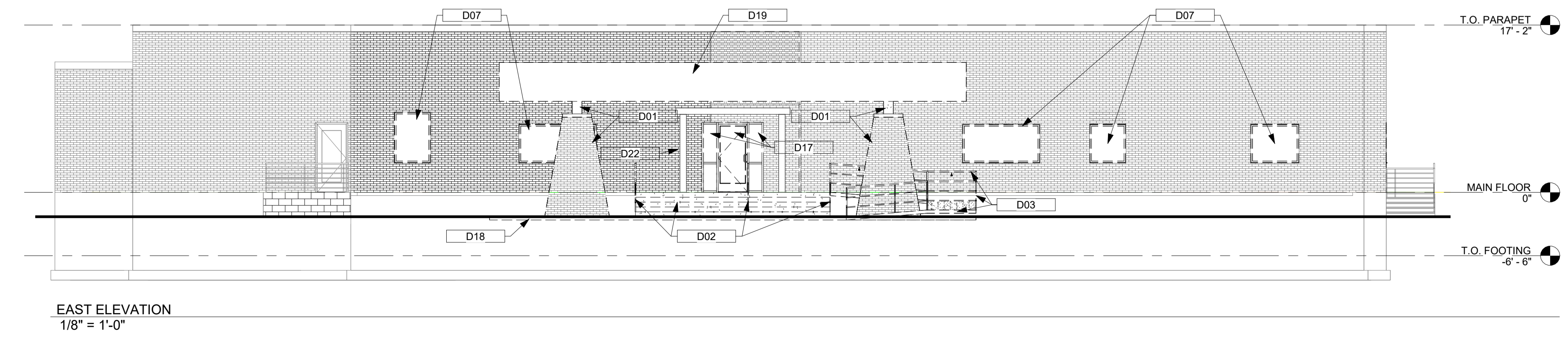
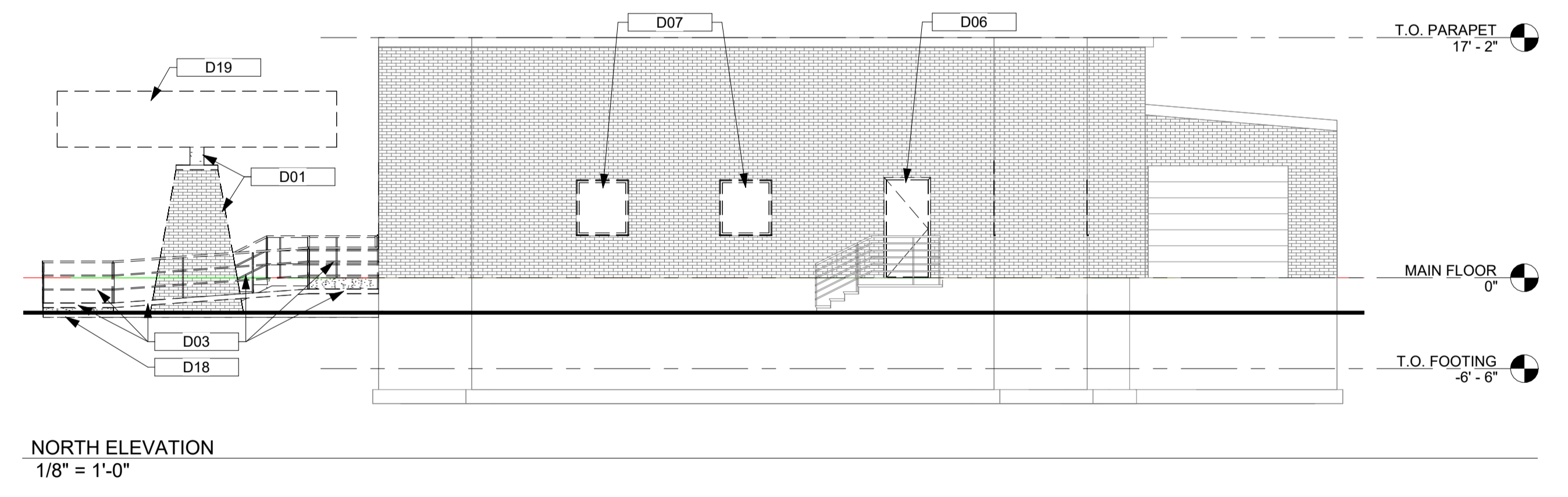
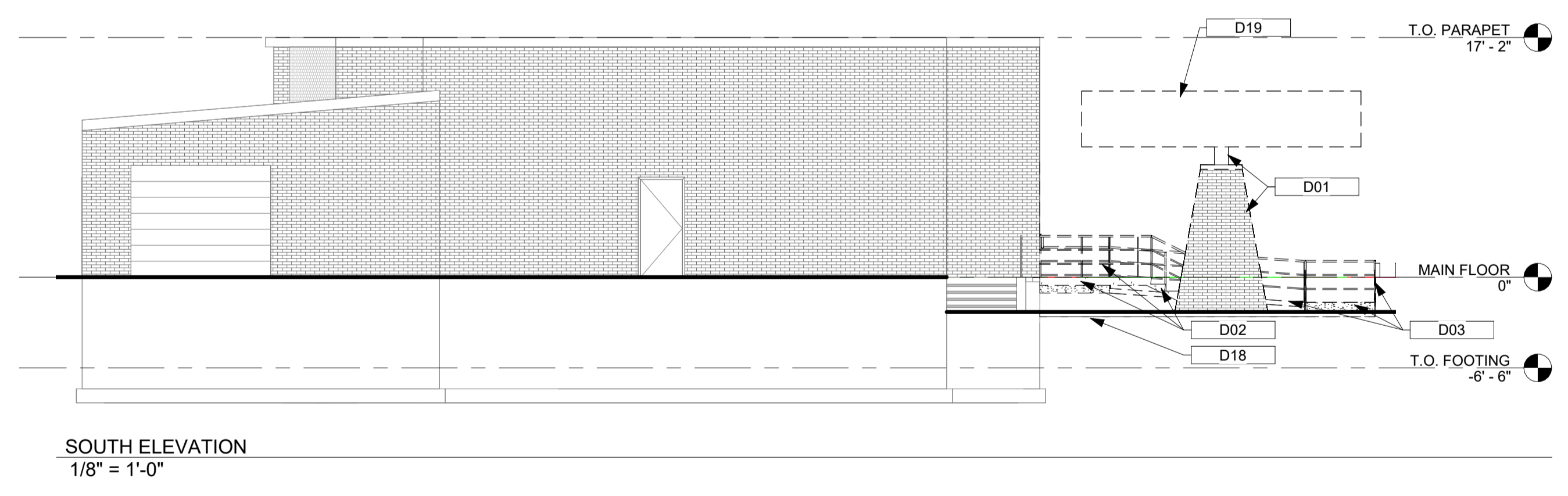
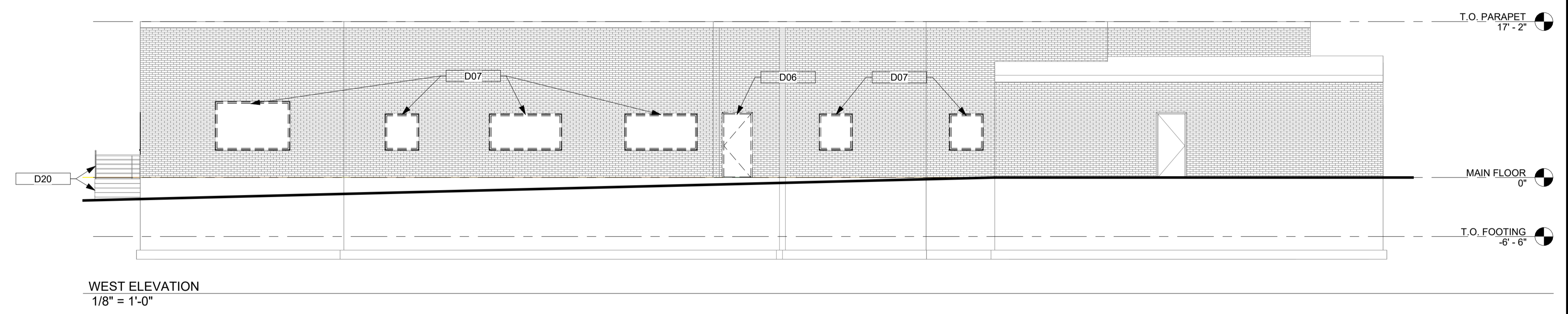
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DETAILS

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DEMOLITION KEYNOTES	
KEY	KEYNOTE
D01	REMOVE EXISTING COLUMN, TYPICAL
D02	REMOVE EXISTING STAIRS AND HAND RAILS
D03	REMOVE EXISTING RAMP AND HAND RAIL
D06	REMOVE DOOR AND FRAME, TYPICAL
D07	REMOVE EXISTING WINDOW SYSTEM, TYPICAL
D17	REMOVE EXISTING STOREFRONT DOOR, SIDELITES AND FRAME
D18	REMOVE EXISTING SLAB
D19	REMOVE EXISTING CANOPY
D20	EXISTING RAILING AND STAIRS TO REMAIN
D22	REMOVE CONCRETE COLUMN/ROOF STRUCTURE



- DEMOLITION NOTES:
- SEE MECHANICAL & ELECTRICAL DRAWINGS & SPECS FOR INFORMATION.
 - REMOVE TRASH & DEBRIS FROM ALL AREAS OF THE BUILDING. THIS INCLUDES STUD SPACES & ATTICS OPENED DURING CONSTRUCTION.
 - WHERE CONCRETE FLOORS AND ROOFS ARE TO BE REMOVED USE MOTOR DRIVEN SAW & REMOVE IN A STRAIGHT LINE.
 - WOOD WALLS - REMOVE ROTTED OR BROKEN AREAS OF SHEATHING AND FRAMING ALL AREAS WHERE SHEATHING OR FRAMING ARE TO BE REPLACED SHALL BE PHOTO DOCUMENTED.
 - REMOVE DEBRIS FROM THE SITE AS IT IS GENERATED. PROVIDE ON SITE DUMPSTERS OR OTHER CONTAINERS.
 - TEMPORARY SUPPORTS - BEFORE REMOVING ANY BEARING WALLS, COLUMNS, BEAMS OR OTHER FEATURES MAKE PROVISIONS FOR TEMPORARY SHORING.
 - NOT ALL ITEMS FOR DEMOLITION, OR UNKNOWN CONDITIONS, CAN BE SHOWN OR NOTED FOR REMOVAL. QUESTIONS REGARDING REMOVAL SHALL BE DIRECTED TO THE ARCHITECT FOR RESOLUTION.
 - REMOVE ALL FLOORING IN AREAS TO BE RENOVATED UNLESS OTHERWISE NOTED IN ROOM FINISH SCHEDULE.
 - PATCH TO MATCH ADJACENT SURFACES AT DEMO AREAS WHERE INFILL IS REQUIRED UNLESS OTHERWISE NOTED IN ROOM FINISH SCHEDULE.
 - DO NOT OPERATE SPARK OR FLAME PRODUCING EQUIPMENT WITHOUT EXPRESS KNOWLEDGE AND CONSENT OF GENERAL CONTRACTOR.
 - SEE REFLECTED CEILING PLAN FOR CEILING REMOVAL AND ROOF PLAN FOR NEW ROOF PENETRATIONS FOR MECHANICAL UNITS.

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OELWEIN CITY HALL RENOVATION


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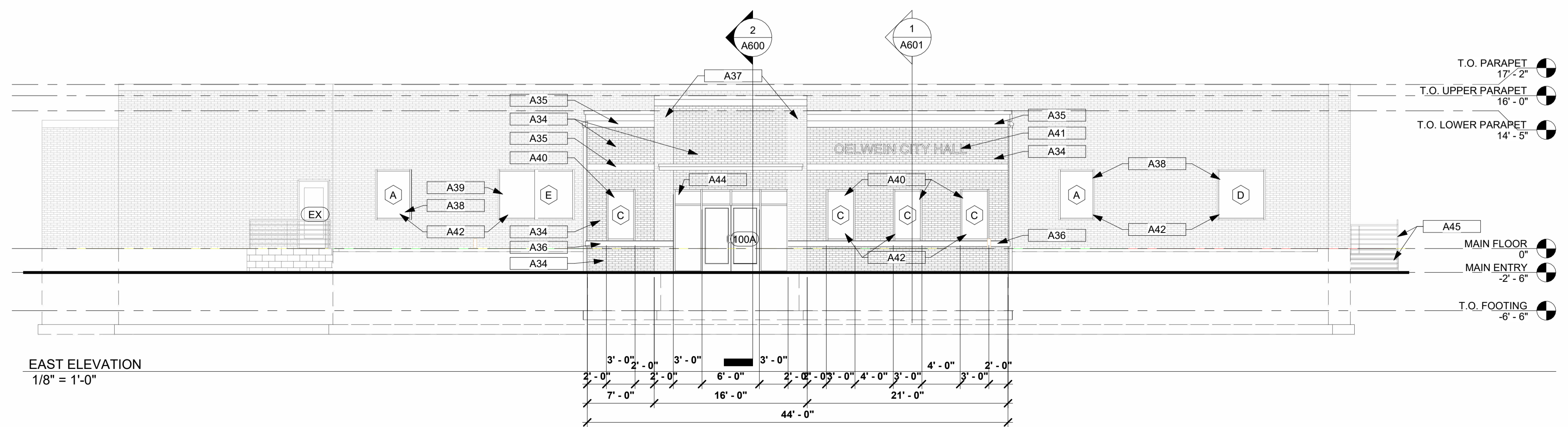
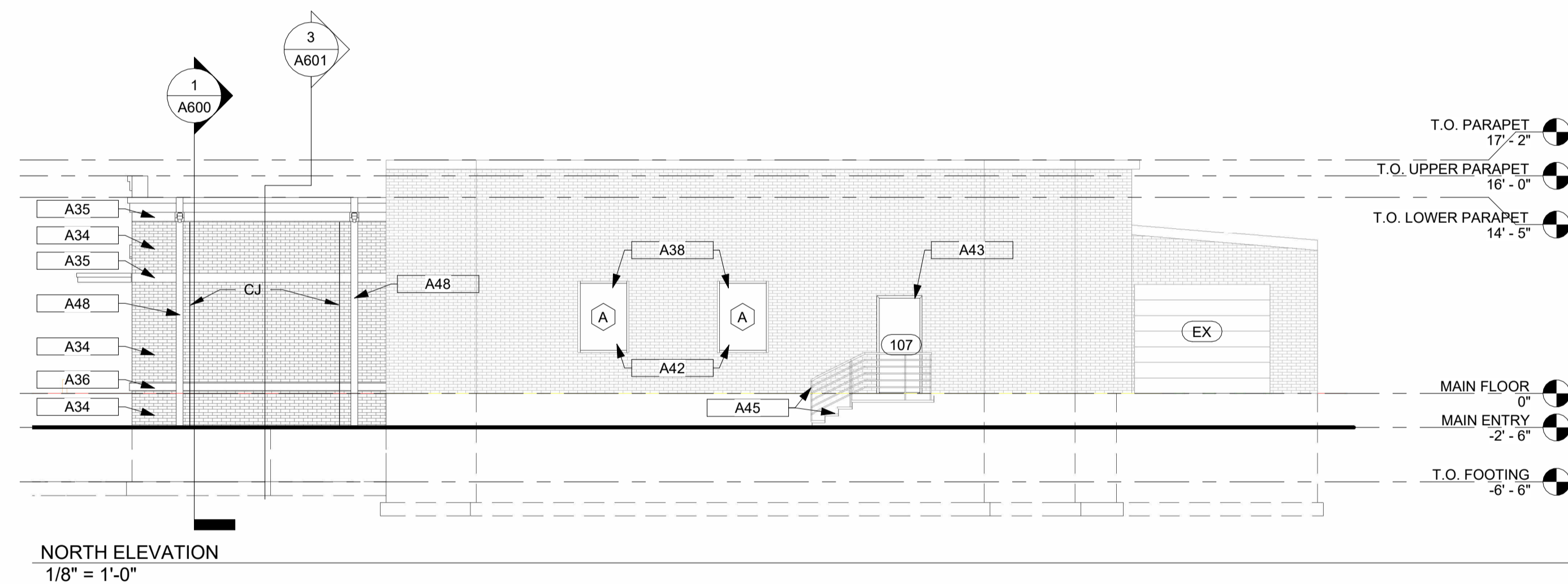
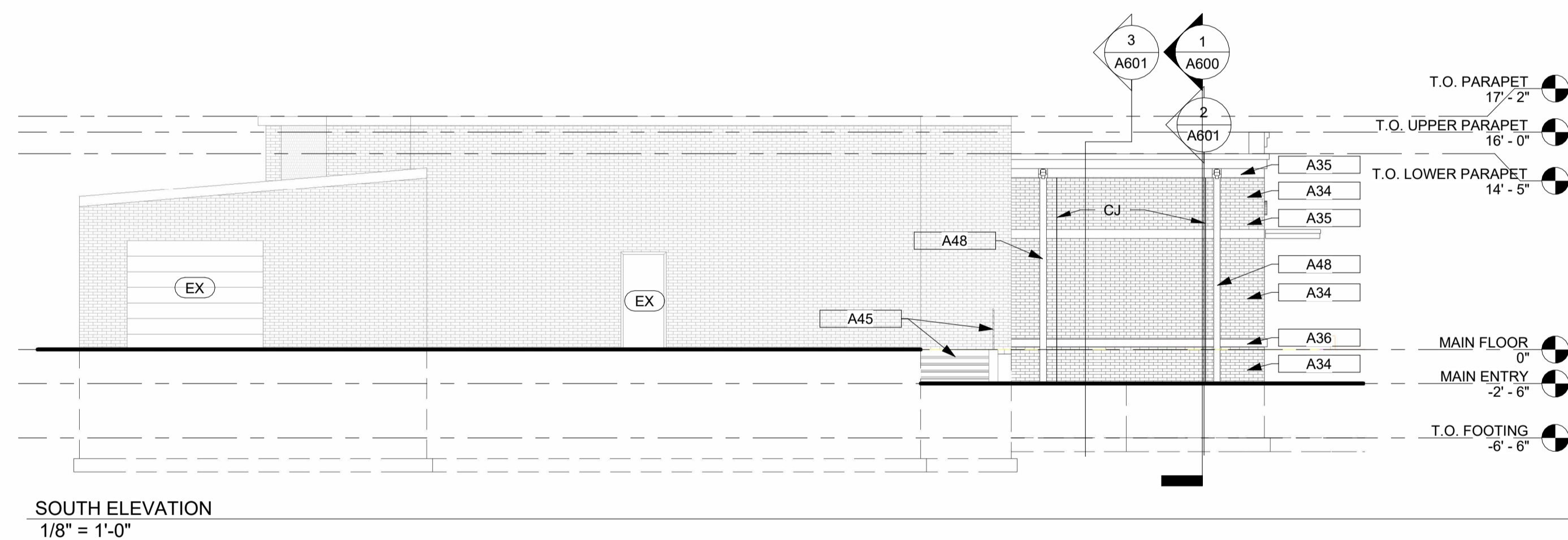
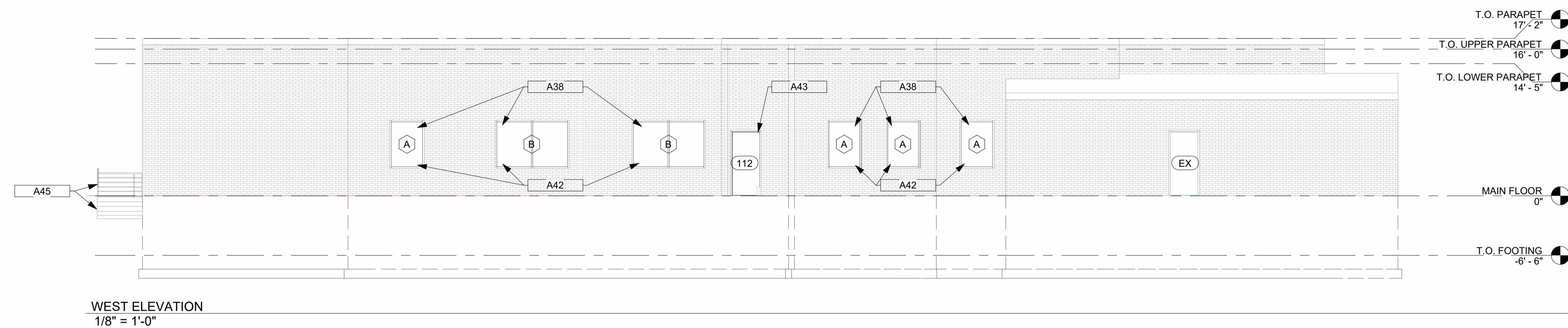
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ELEVATIONS (DEMO)

ARCHITECTURAL KEYNOTES	
KEY	KEYNOTE
A34	BRICK - COLOR #1
A35	BRICK SOLDIER COURSE - BRICK COLOR #2
A36	STONE WAINSCOT
A37	BRICK - COLOR #2
A38	HEAD DETAIL: 17/A300; JAMB DETAIL: 18/A300; SILL DETAIL: 19/A300
A39	HEAD DETAIL: 17/A300; JAMB DETAIL: 12/A300 & 18/A300; SILL DETAIL: 19/A300
A40	HEAD DETAIL: 4/A300; JAMB DETAIL: 6/A300; SILL DETAIL: 3/A300
A41	NEW BUILDING SIGNAGE
A42	NEW ALUMINUM WINDOW SYSTEM, SEE SCHEDULES
A43	NEW HOLLOW METAL DOOR AND FRAME, SEE SCHEDULES
A44	NEW ALUMINUM ENTRY SYSTEM, SEE SCHEDULES
A45	EXISTING RAILING AND STAIRS TO REMAIN
A48	PREFINISHED 4x6 DOWNSPOUT WITH SCUPPER COLLECTION BOX, PROVIDE PRECAST CONCRETE SPLASH BLOCK

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EXTERIOR ELEVATIONS

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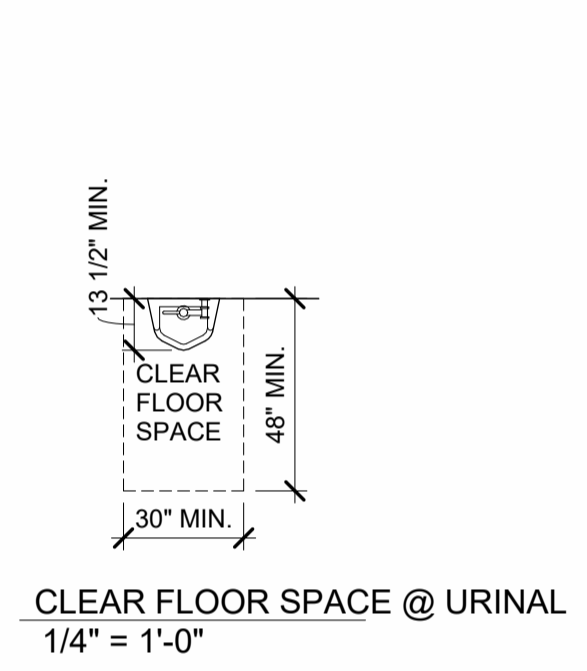
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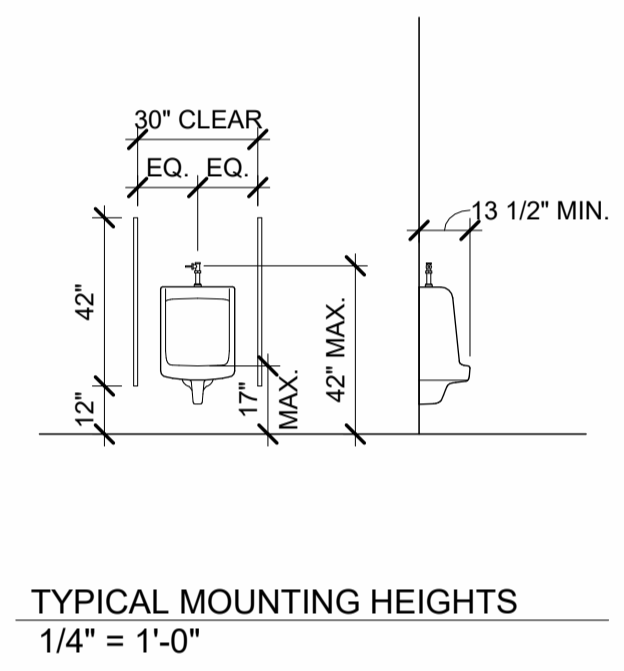
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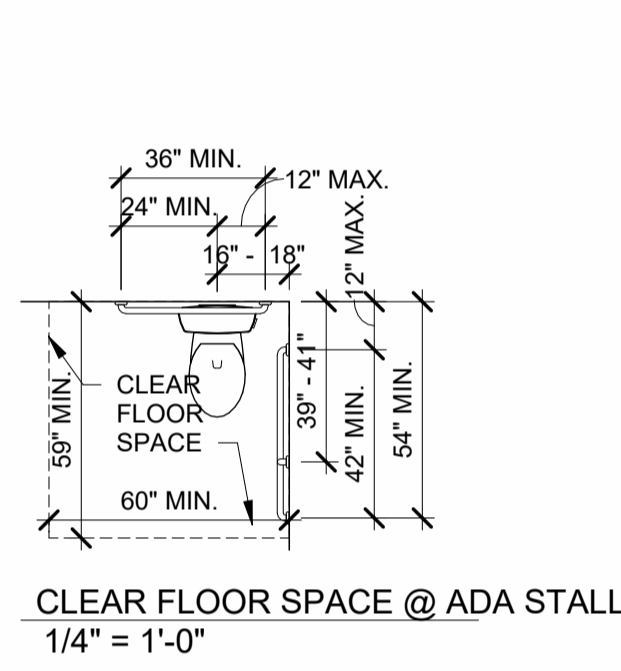
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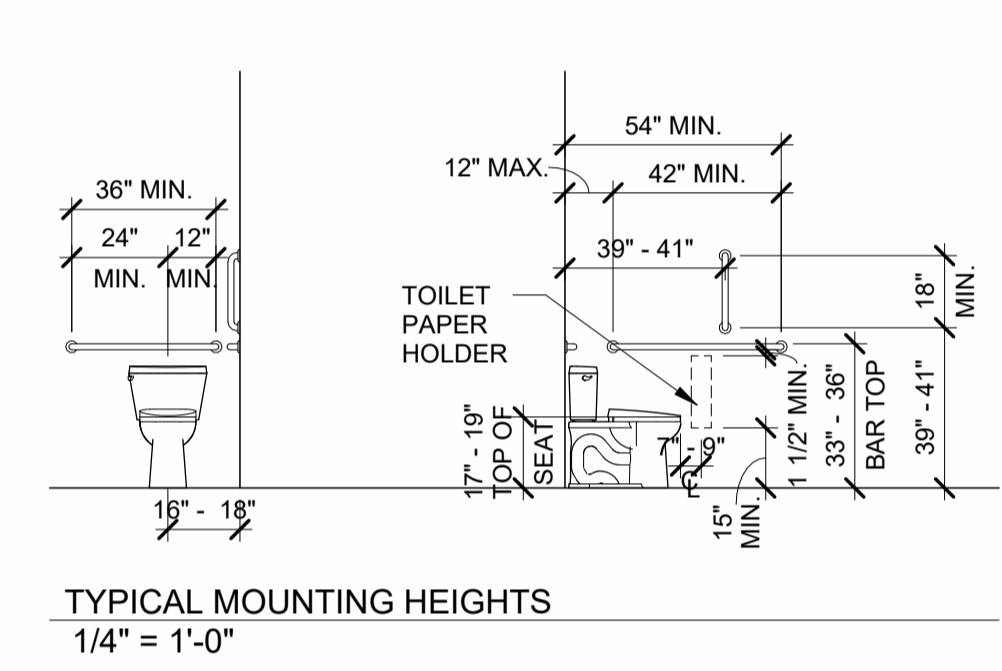
CLEAR FLOOR SPACE @ URINAL
1/4" = 1'-0"



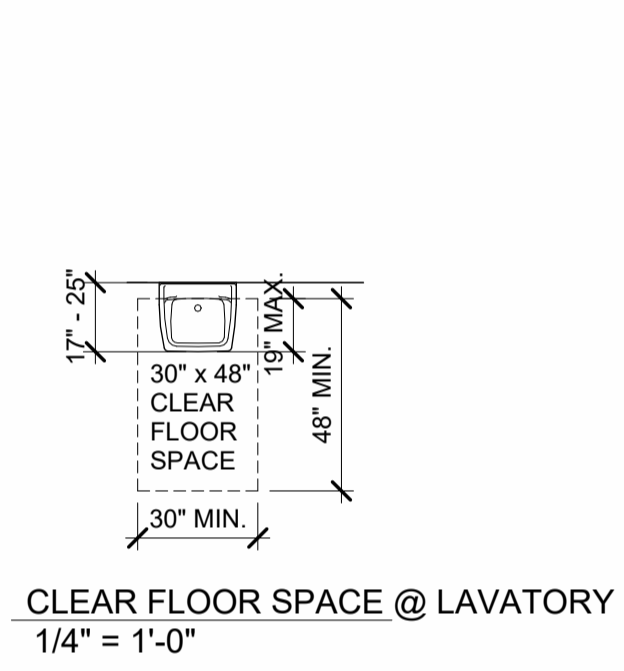
TYPICAL MOUNTING HEIGHTS
1/4" = 1'-0"



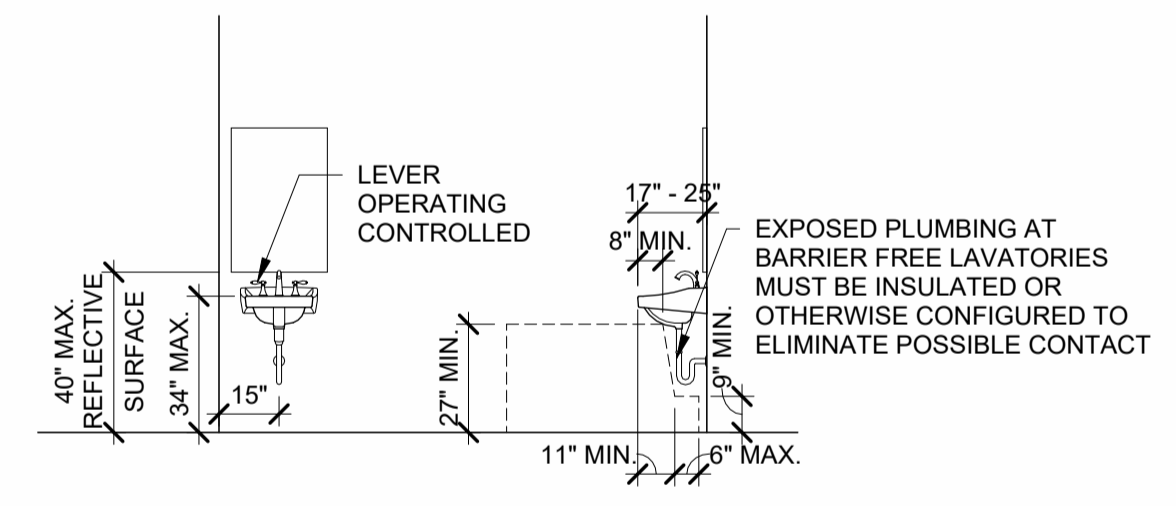
CLEAR FLOOR SPACE @ ADA STALL
1/4" = 1'-0"



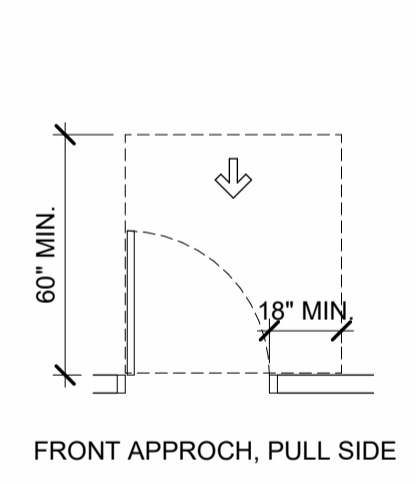
TYPICAL MOUNTING HEIGHTS
1/4" = 1'-0"



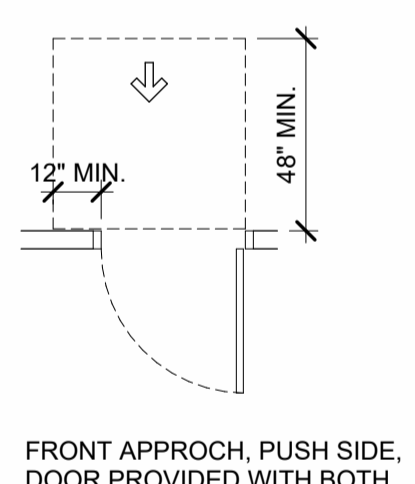
CLEAR FLOOR SPACE @ LAVATORY
1/4" = 1'-0"



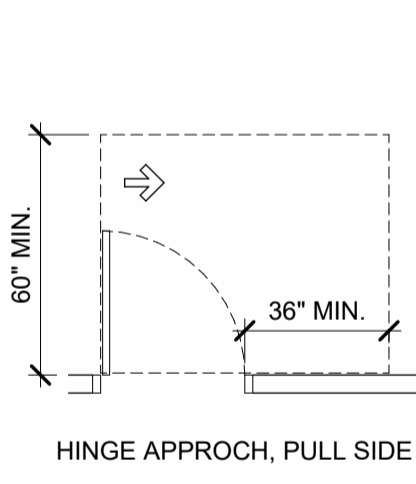
TYPICAL MOUNTING HEIGHTS
1/4" = 1'-0"



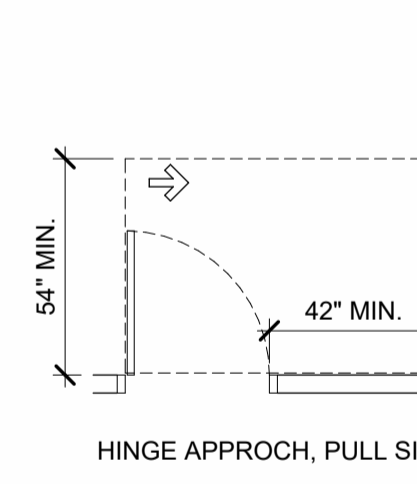
FRONT APPROACH, PULL SIDE
1/4" = 1'-0"



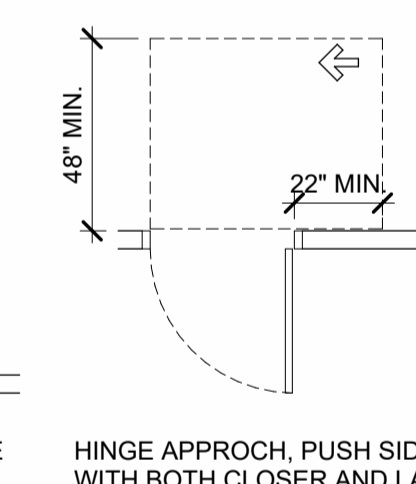
FRONT APPROACH, PUSH SIDE, DOOR PROVIDED WITH BOTH CLOSER AND LATCH
1/4" = 1'-0"



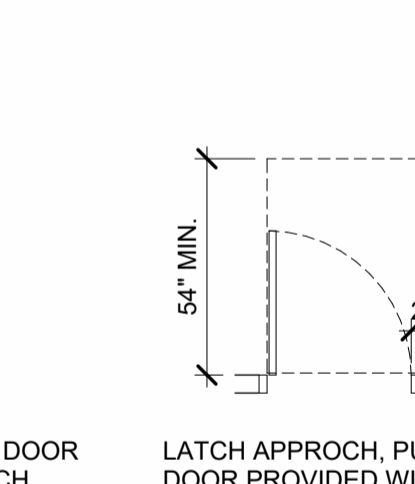
HINGE APPROACH, PULL SIDE
1/4" = 1'-0"



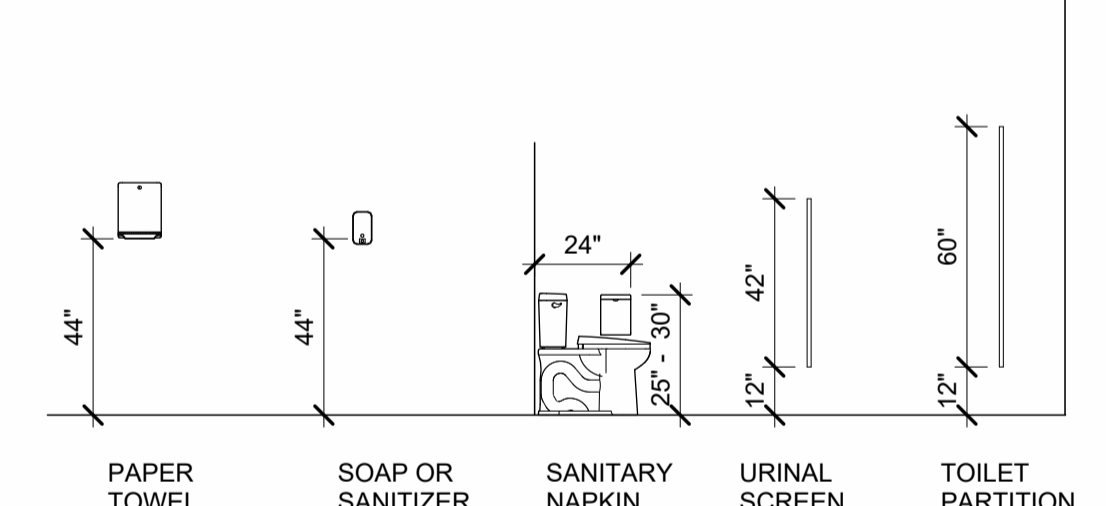
HINGE APPROACH, PUSH SIDE, DOOR WITH BOTH CLOSER AND LATCH
1/4" = 1'-0"



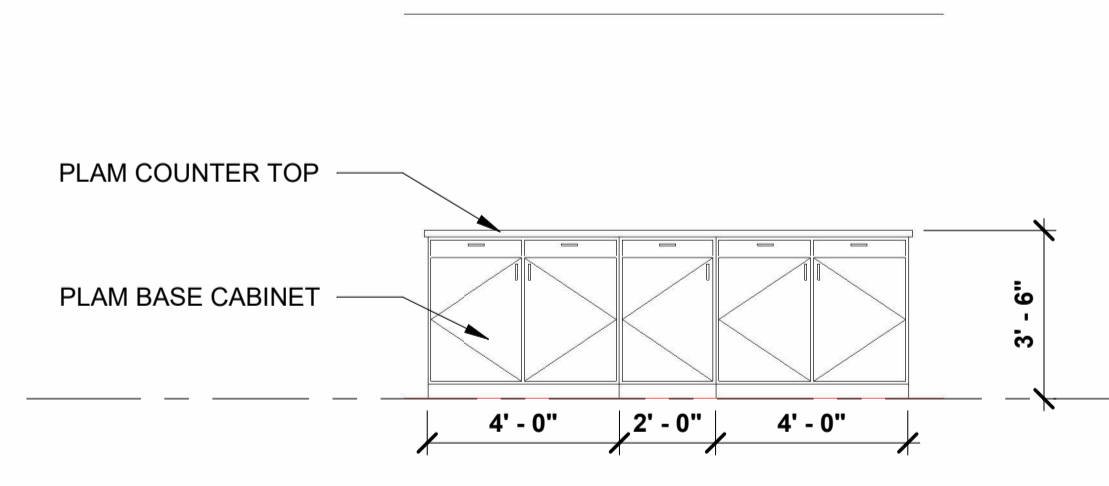
LATCH APPROACH, PULL SIDE, DOOR PROVIDED WITH CLOSER
1/4" = 1'-0"



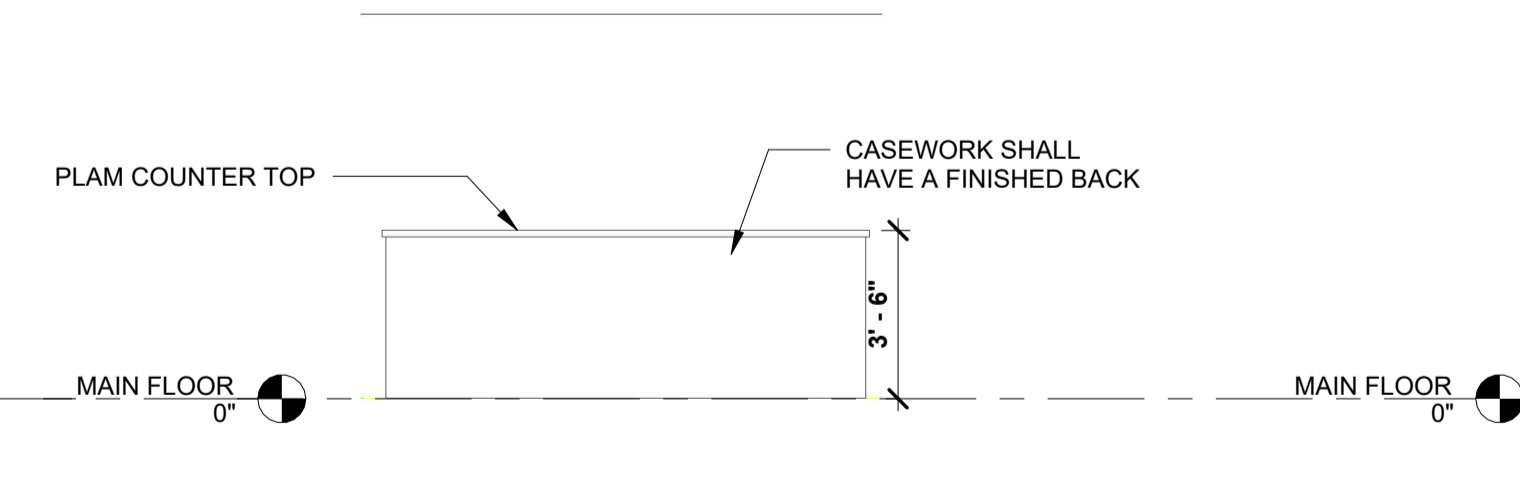
LATCH APPROACH, PUSH SIDE, DOOR PROVIDED WITH CLOSER
1/4" = 1'-0"



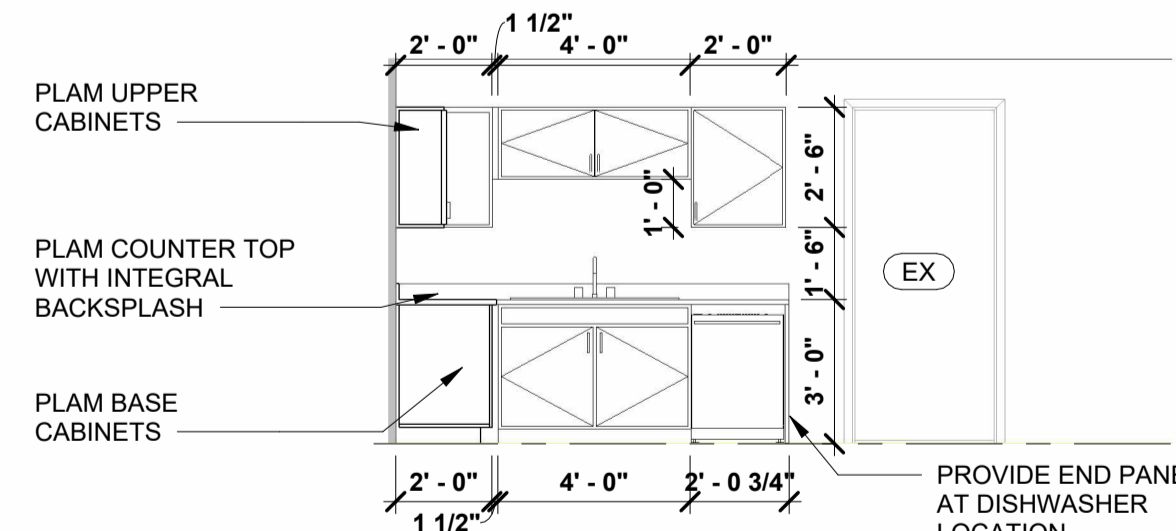
TYPICAL MOUNTING HEIGHTS
1/4" = 1'-0"



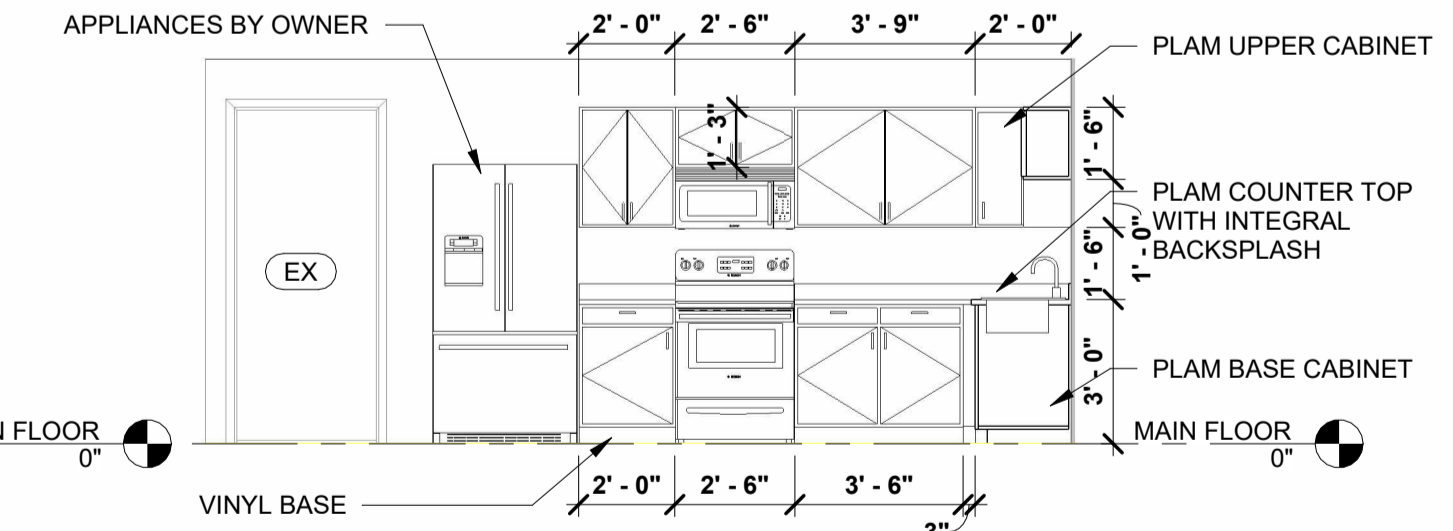
18 INTERIOR ELEVATION
A500 1/4" = 1'-0"



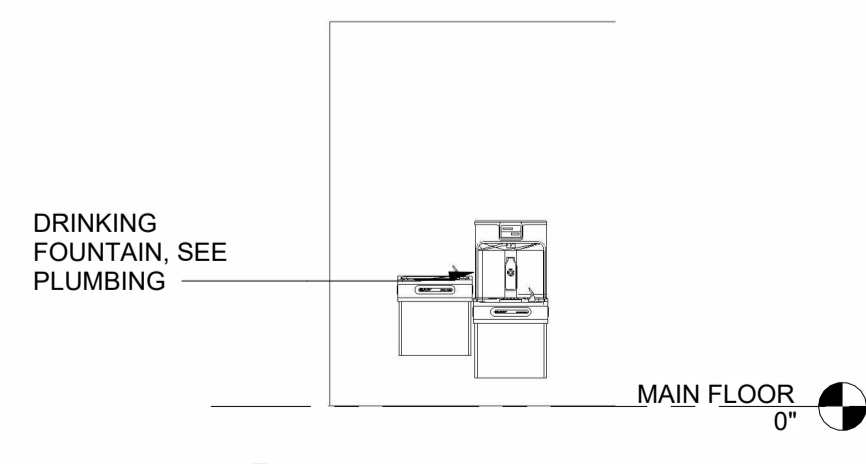
17 INTERIOR ELEVATION
A500 1/4" = 1'-0"



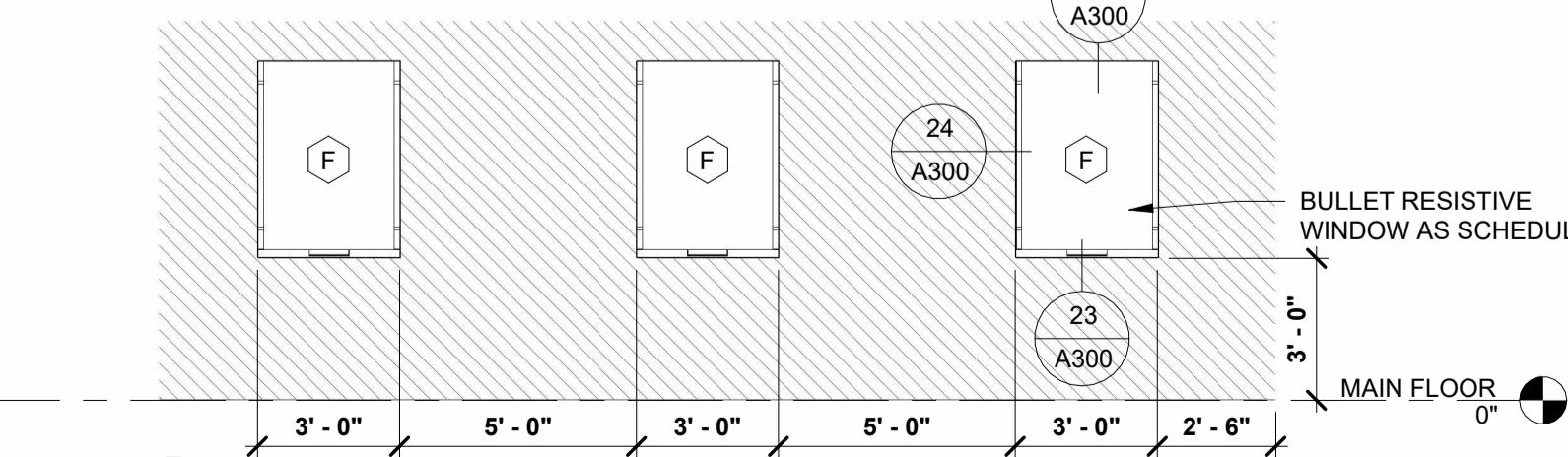
16 INTERIOR ELEVATION
A500 1/4" = 1'-0"



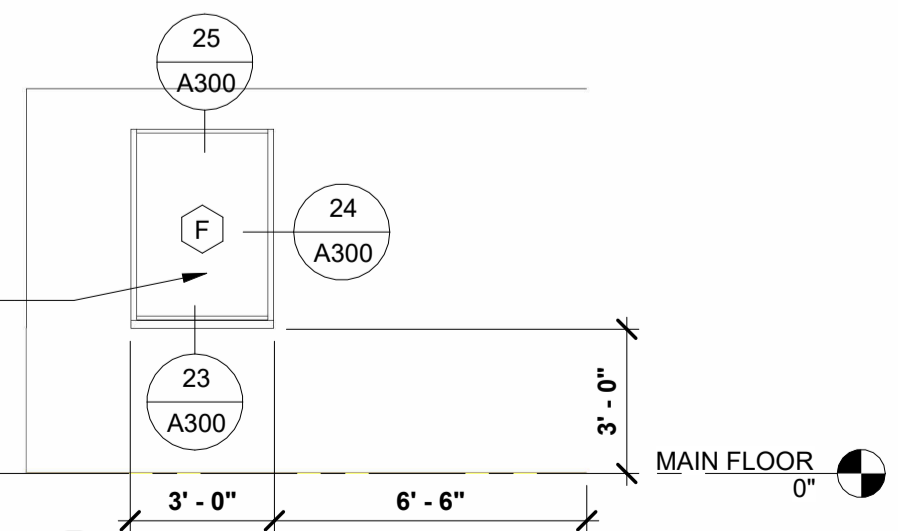
15 INTERIOR ELEVATION
A500 1/4" = 1'-0"



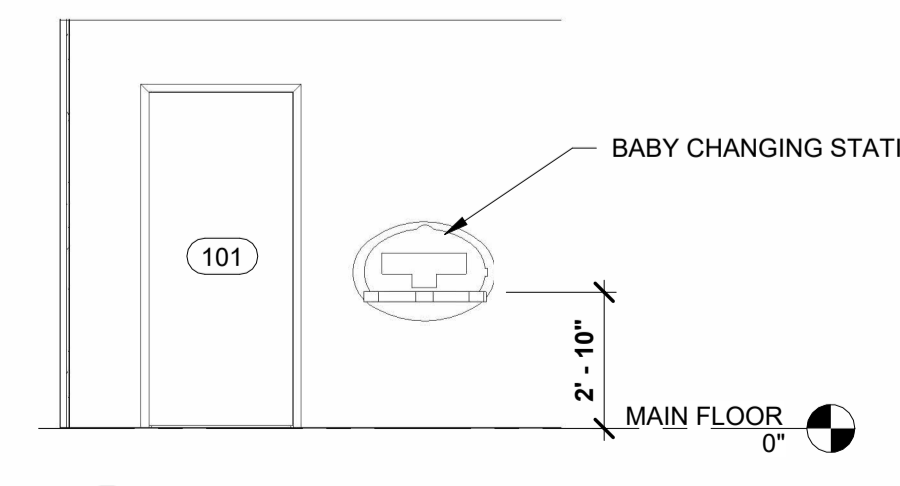
6 INTERIOR ELEVATION
A500 1/4" = 1'-0"



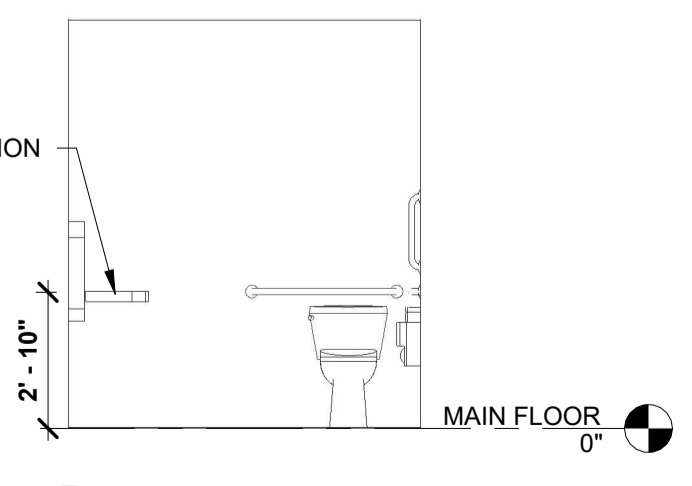
5 INTERIOR ELEVATION
A500 1/4" = 1'-0"



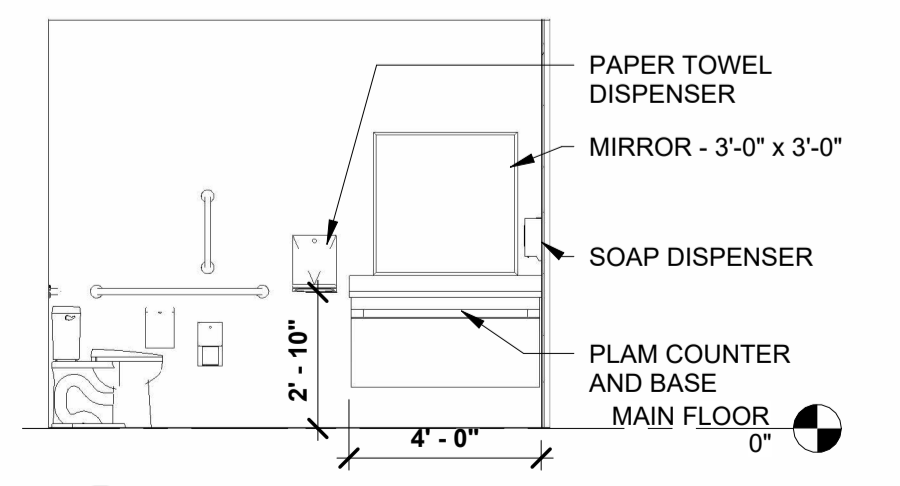
4 INTERIOR ELEVATION
A500 1/4" = 1'-0"



3 INTERIOR ELEVATION
A500 1/4" = 1'-0"



2 INTERIOR ELEVATION
A500 1/4" = 1'-0"



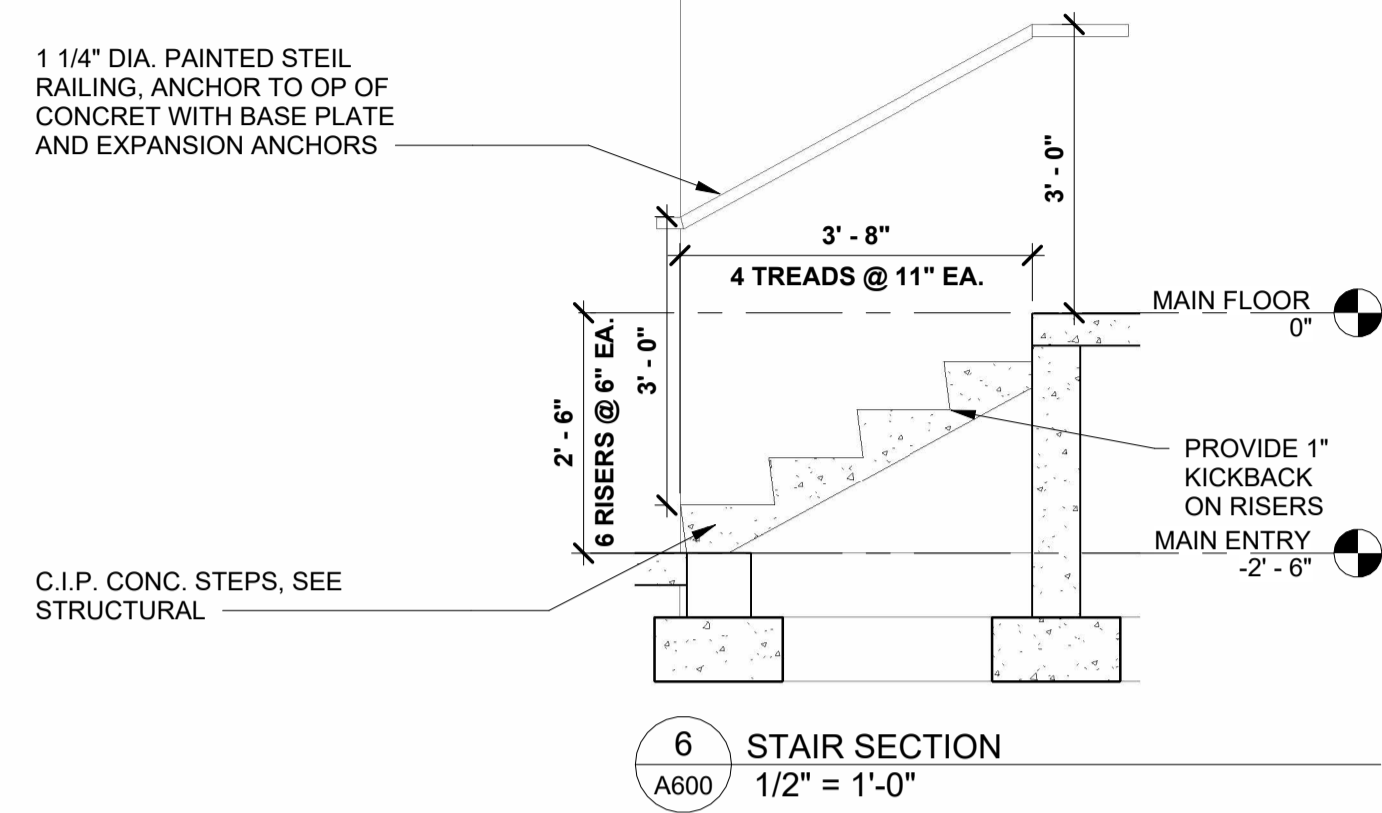
1 INTERIOR ELEVATION
A500 1/4" = 1'-0"

INTERIOR ELEVATIONS

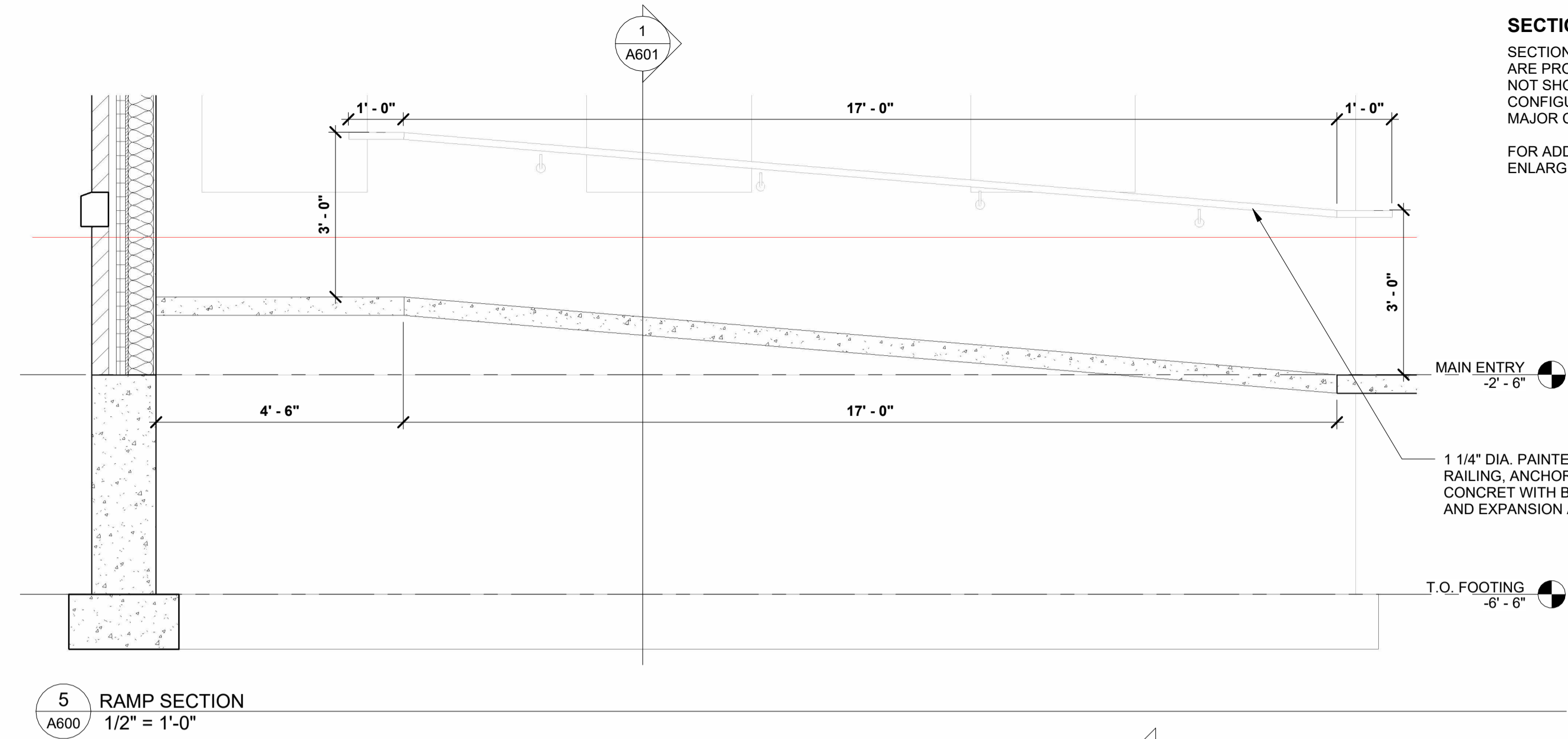
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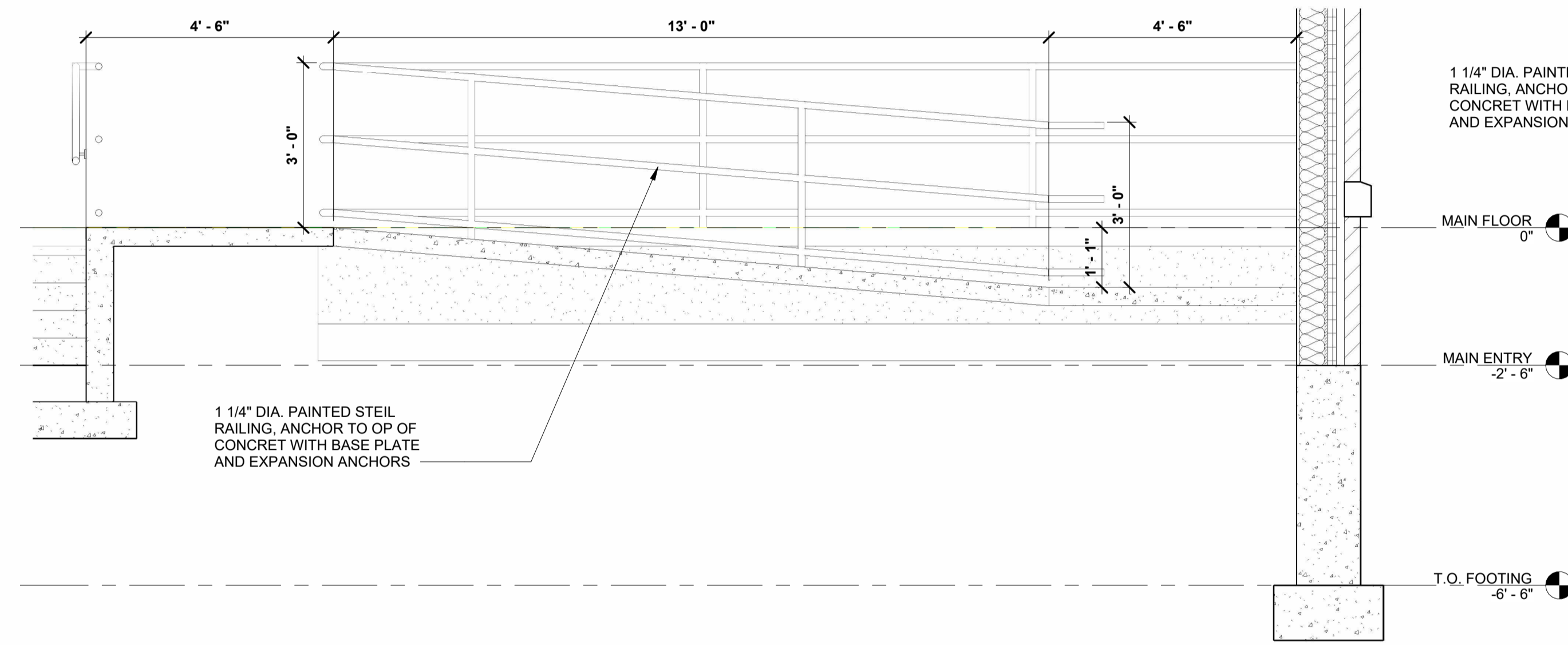
SECTION DRAWING NOTES:
SECTION DRAWINGS, WHERE ADDITIONAL DETAILS ARE PROVIDED, ARE SCHEMATIC IN NATURE AND DO NOT SHOW ALL DETAILS. THEY ARE PROVIDED FOR CONFIGURATION AND RELATIVE ARRANGMENT OF MAJOR COMPONENTS OF THE WALL OR ASSEMBLY.
FOR ADDITIONAL DETAIL OR INFORMATION, SEE ENLARGED DETAILS



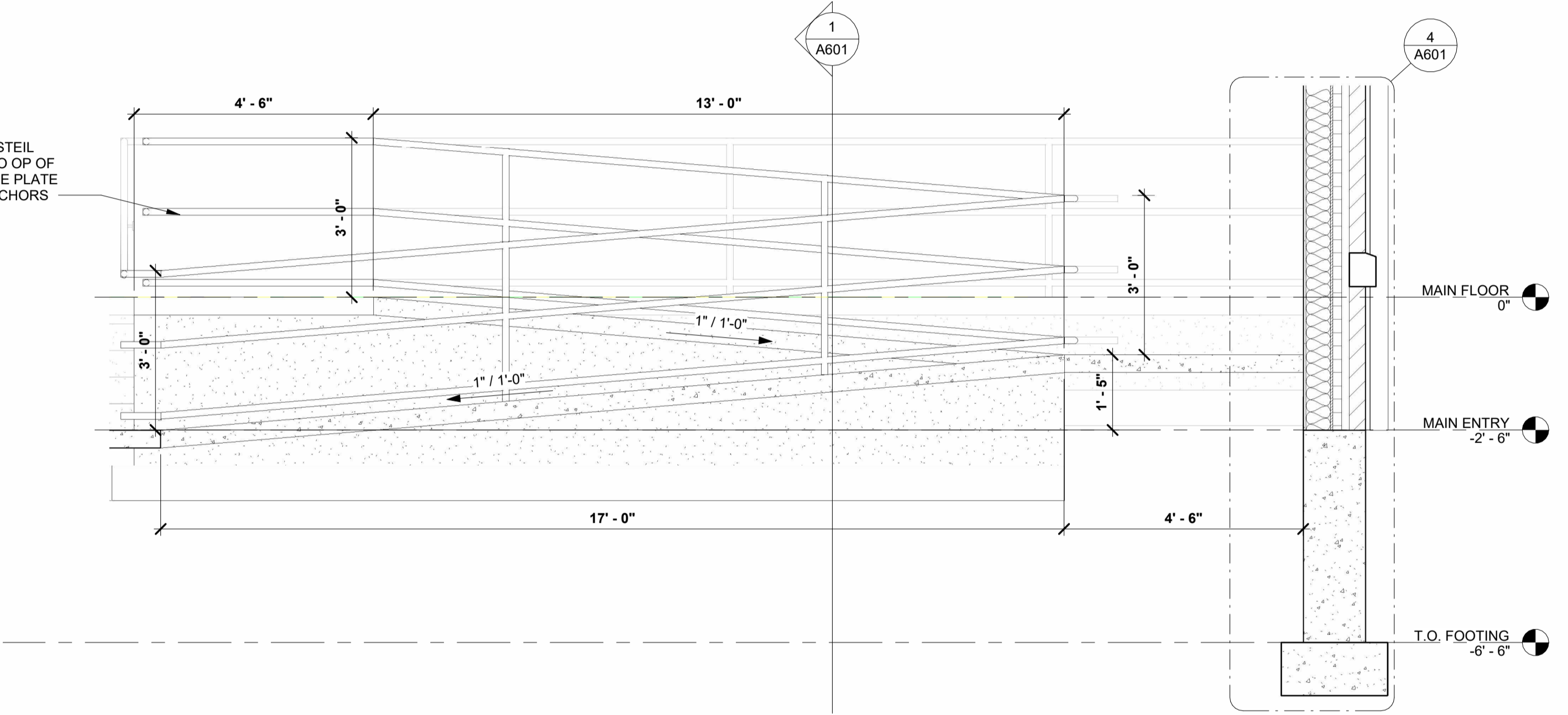
6 STAIR SECTION
A600 1/2" = 1'-0"



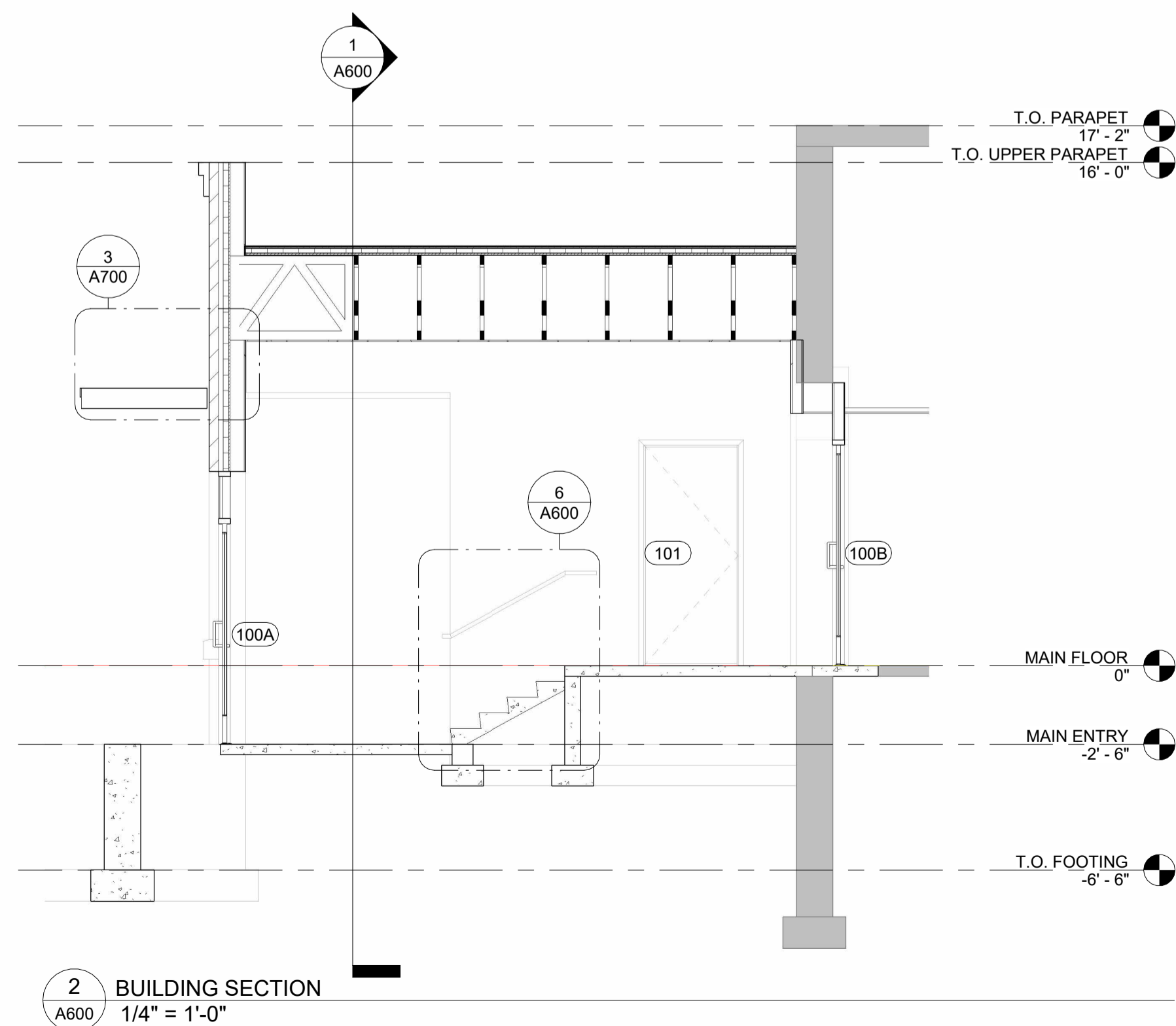
5 RAMP SECTION
A600 1/2" = 1'-0"



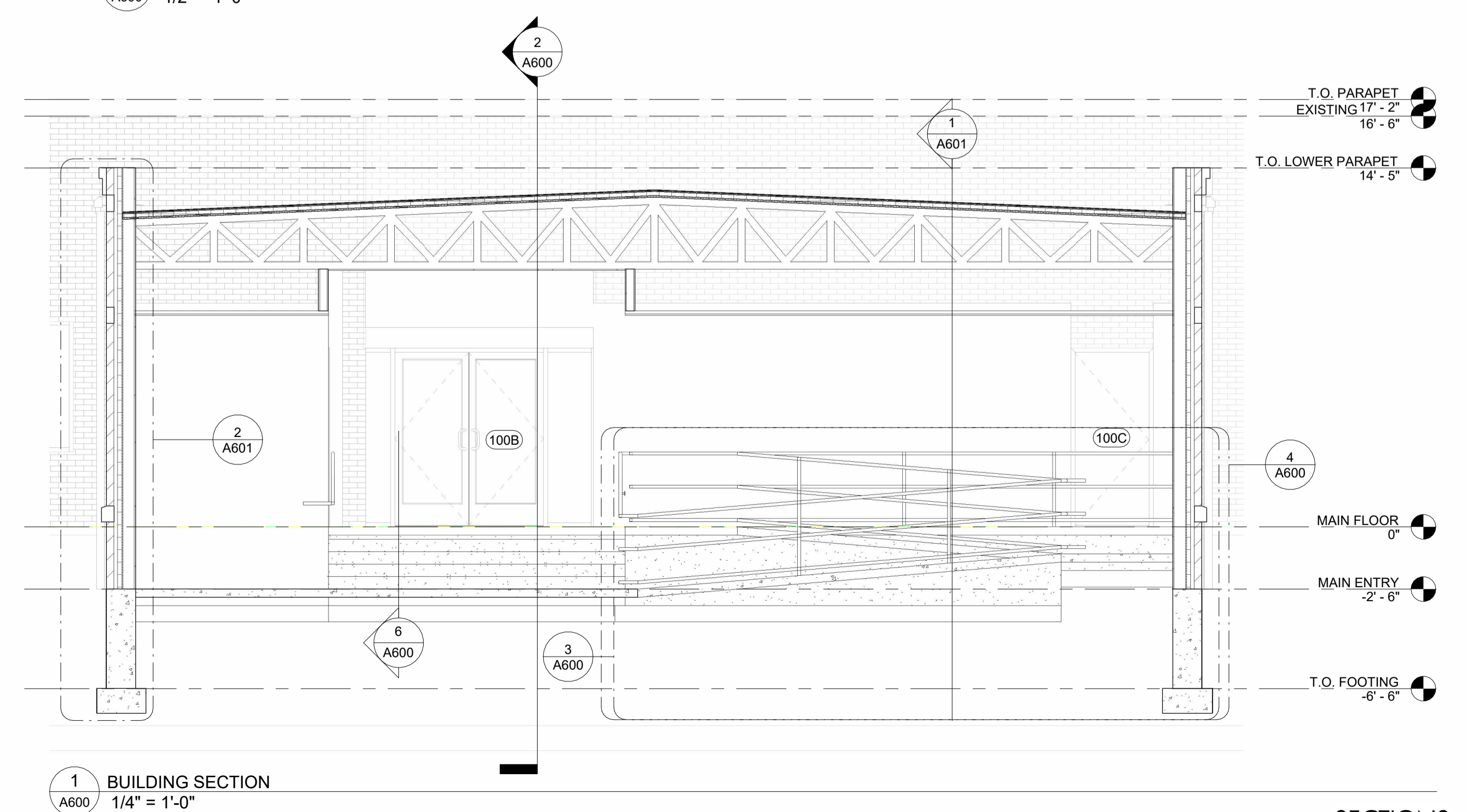
4 RAMP SECTION
A600 1/2" = 1'-0"



3 RAMP SECTION
A600 1/2" = 1'-0"



2 BUILDING SECTION
A600 1/4" = 1'-0"



1 BUILDING SECTION
A600 1/4" = 1'-0"

SECTIONS

CITY OF OELWEIN
OELWEIN CITY HALL RENOVATION

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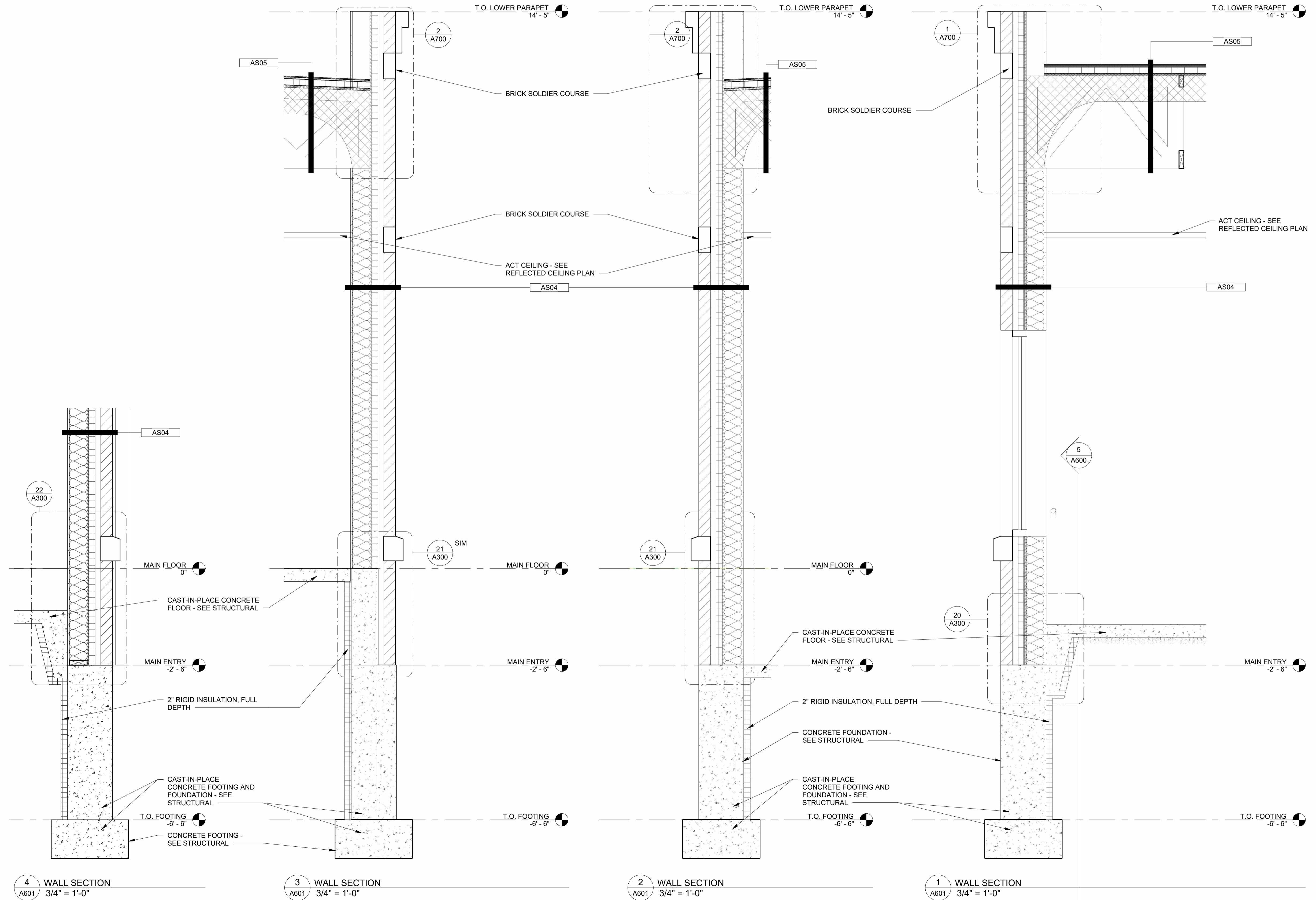
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AVE
SUITE #1
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50662

A600
11065.02

ASSEMBLIES KEYNOTES	
KEY	KEYNOTE
AS04	BRICK, 1 3/4" AIR SPACE; 2" RIGID INSULATION; AIR BARRIER; 1/2" SHEATHING; 2X6 WOOD FRAMING @ 16" O.C.; 1" CLOSED CELL SPREAY FOAM; R-13 BATT INSULATION; 6 MIL. VAPOR BARRIER; 5/8" GYPSUM BOARD
AS05	MEMBRANE ROOFING; 1/2" COVER BOARD; 2" RIGID INSULATION; VAPOR BARRIER; 3/4" OSB SHEATHING; WOOD TRUSS FRAMING; R-40 SPRAY FOAM INSULATION; 5/8" GYP. BRD.

SECTION DRAWING NOTES:
SECTION DRAWINGS, WHERE ADDITIONAL DETAILS ARE PROVIDED, ARE SCHEMATIC IN NATURE AND DO NOT SHOW ALL DETAILS. THEY ARE PROVIDED FOR CONFIGURATION AND RELATIVE ARRANGEMENT OF MAJOR COMPONENTS OF THE WALL OR ASSEMBLY.
FOR ADDITIONAL DETAIL OR INFORMATION, SEE ENLARGED DETAILS

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A601

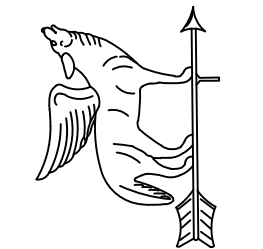
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SECTIONS

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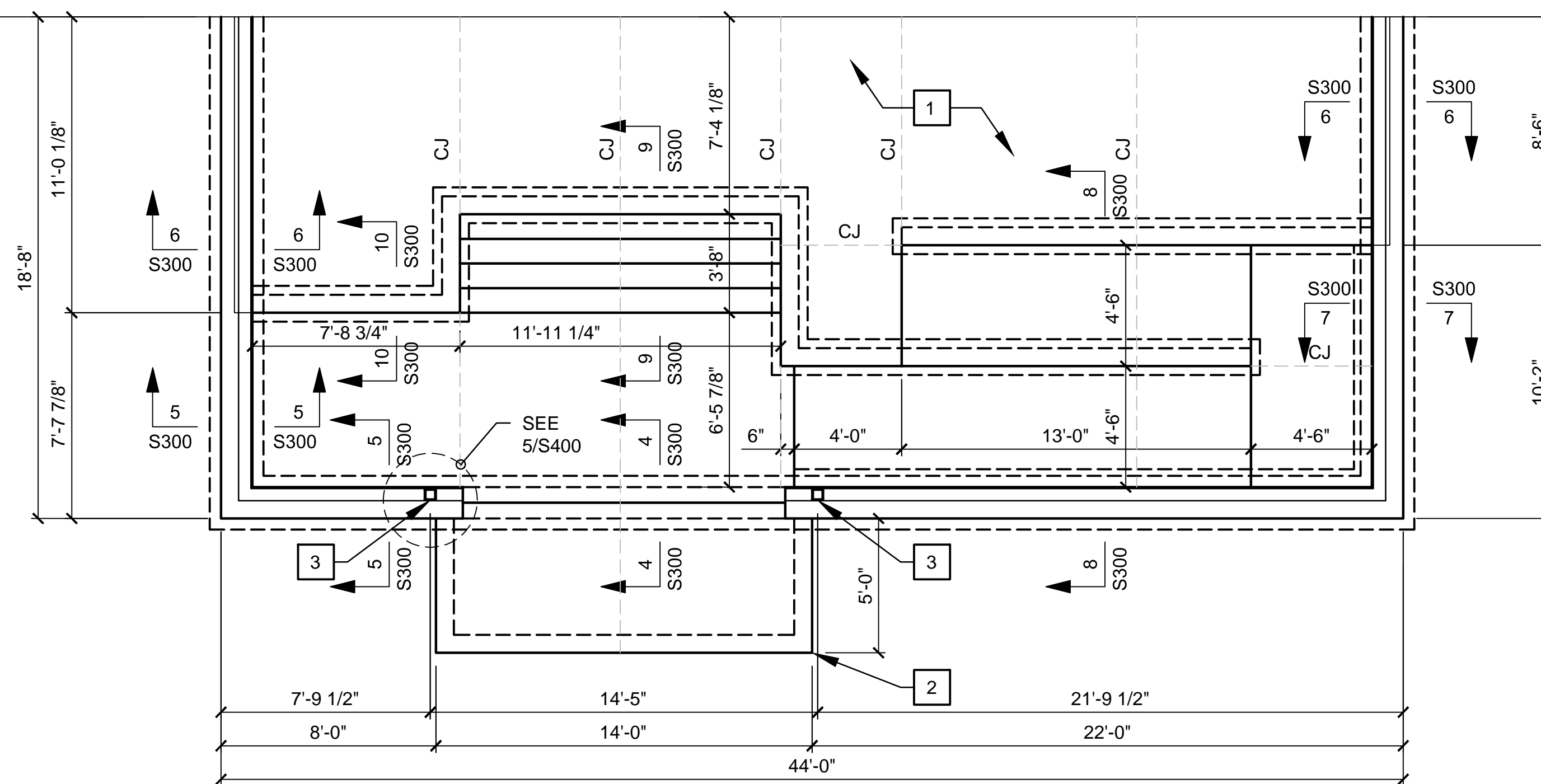
S100
I1065.02

PLAN NOTES

1. SEE SHEET S001 FOR MATERIAL AND SYSTEM NOTES.
2. 'CJ' DENOTES PROPOSED LOCATION OF SLAB JOINTS, SEE 1/S300. CONTRACTOR SHALL SUBMIT ACTUAL LOCATION OF SLAB JOINTS FOR REVIEW PRIOR TO INSTALLATION.

BOX NOTES

1. 4" THICK CONCRETE SLAB-ON-GRADE WITH 6x6-W1.4xW1.4 WWF, SEE 1/S300 FOR TYPICAL DETAILS.
2. THRESHOLD & STOOP, SEE 4/S300.
3. HSS5x5x $\frac{5}{16}$ COLUMN.



FOUNDATION PLAN

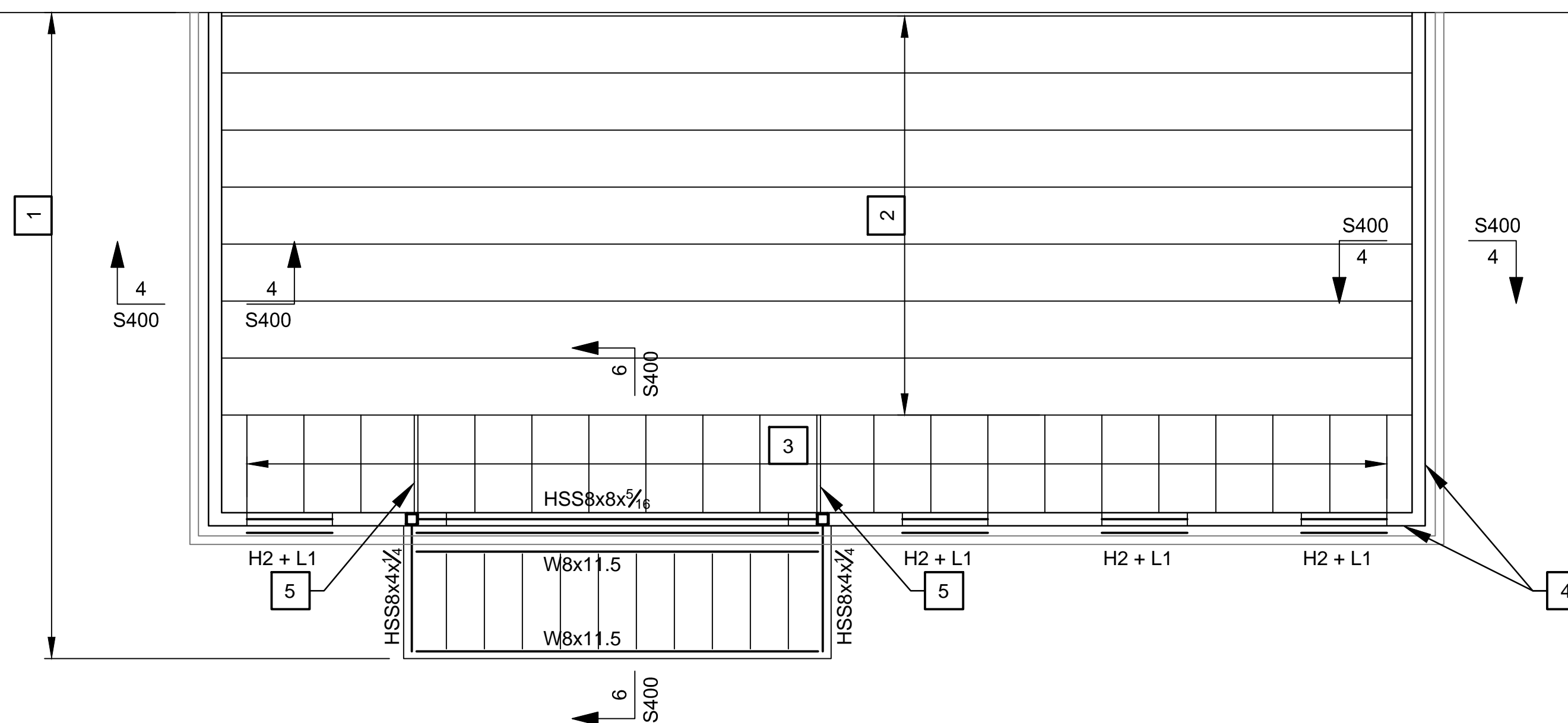


PLAN NOTES

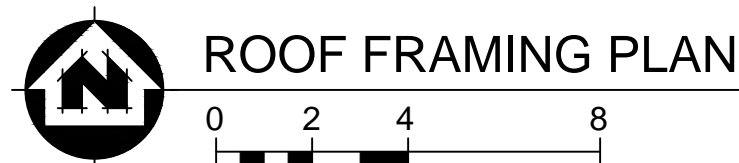
1. SEE SHEET S001 FOR MATERIAL AND SYSTEM NOTES.
2. 'Hx' DENOTES HEADER DESIGNATION, SEE 3/S400 FOR HEADER SCHEDULE.
3. 'Lx' DENOTES LINTEL DESIGNATION, SEE 7/S400 FOR LINTEL SCHEDULE.

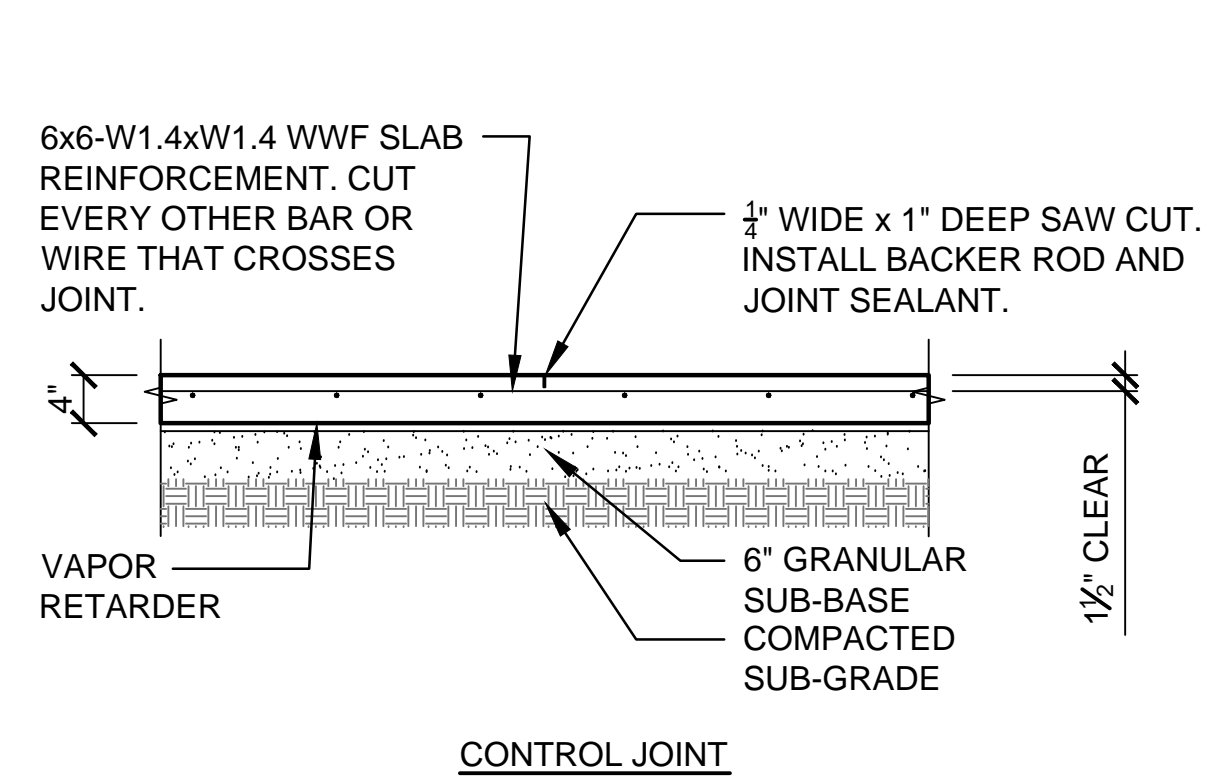
BOX NOTES

1. $\frac{1}{2}$ " WOOD ROOF SHEATHING ATTACHED 6d NAILS AT 6" O.C.
2. WOOD ROOF TRUSSES AT 2'-0" O.C. WITH SUPPORT/UPLIFT ANCHORAGE DESIGNED BY TRUSS MANUFACTURER EACH END, TYP. (SIMPSON H2.5A MIN.). THE ROOF FRAMING PLAN DEPICTS THE PROPOSED WOOD ROOF TRUSS CONFIGURATION FOR INFORMATION ONLY. THE TRUSS MANUFACTURER SHALL SUBMIT THE ACTUAL TRUSS CONFIGURATION FOR REVIEW. SEE TYPICAL DETAILS 1/S400 & 2/S400.
3. WOOD ROOF SUB-TRUSSES AT 2'-0" O.C. WITH SUPPORT/UPLIFT ANCHORAGE DESIGNED BY TRUSS MANUFACTURER EACH END, TYP. (SIMPSON H2.5A MIN.). THE ROOF FRAMING PLAN DEPICTS THE PROPOSED WOOD ROOF TRUSS CONFIGURATION FOR INFORMATION ONLY. THE TRUSS MANUFACTURER SHALL SUBMIT THE ACTUAL TRUSS CONFIGURATION FOR REVIEW. SEE TYPICAL DETAILS 1/S400 & 2/S400.
4. WOOD BEARING WALL COMPRISED OF 2x6 WOOD STUDS AT 16" O.C. AND $\frac{1}{2}$ " WOOD WALL SHEATHING ATTACHED WITH 6d NAILS AT 6" O.C.
5. PROVIDE DOUBLE SUB-TRUSS AT COLUMN.

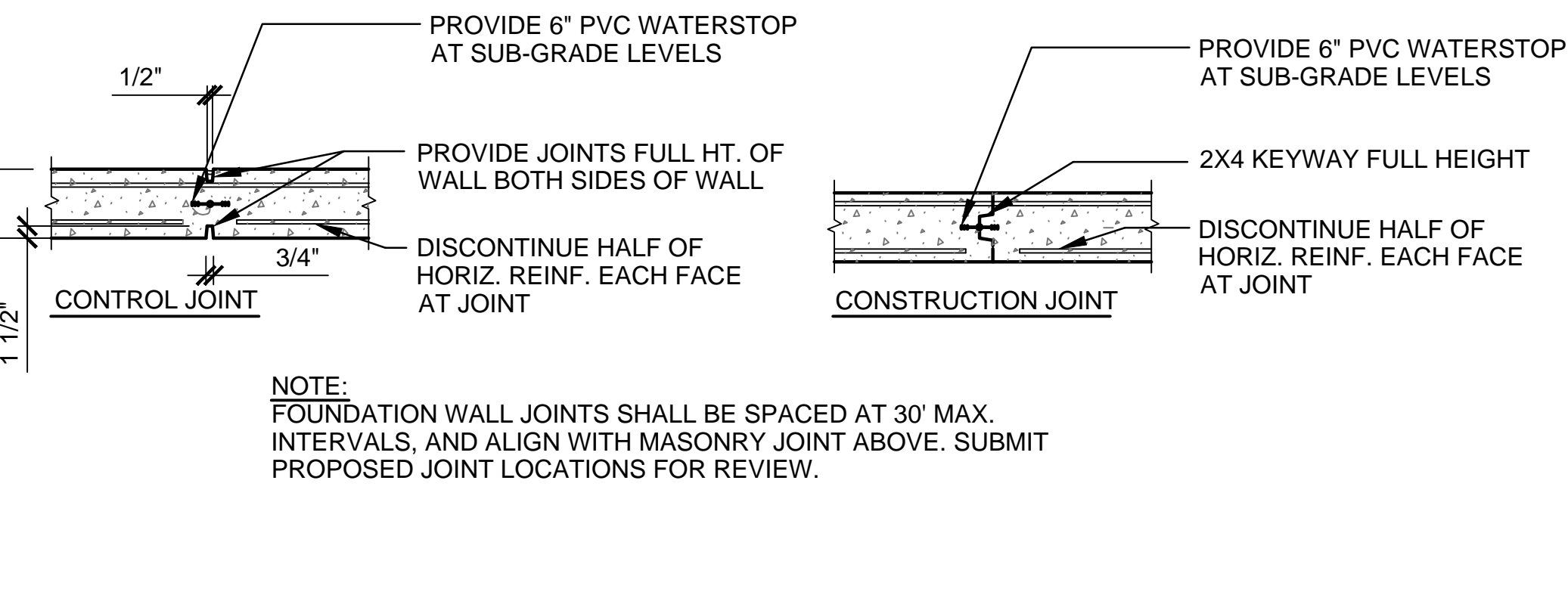
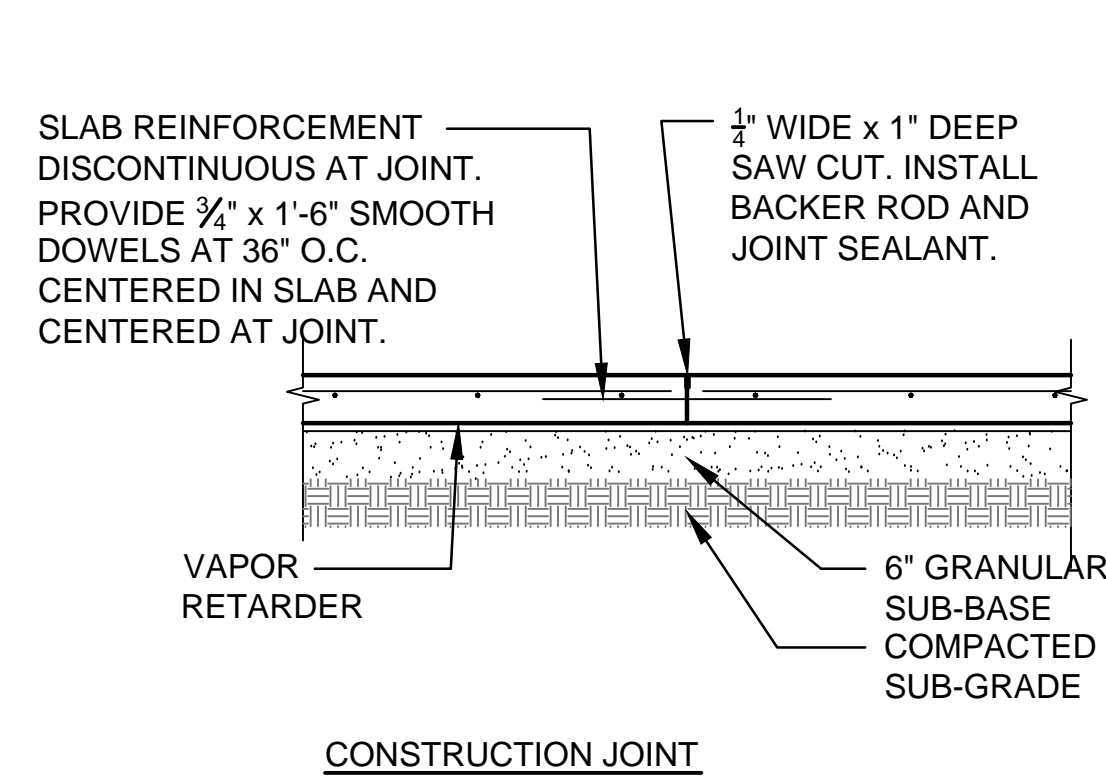


ROOF FRAMING PLAN

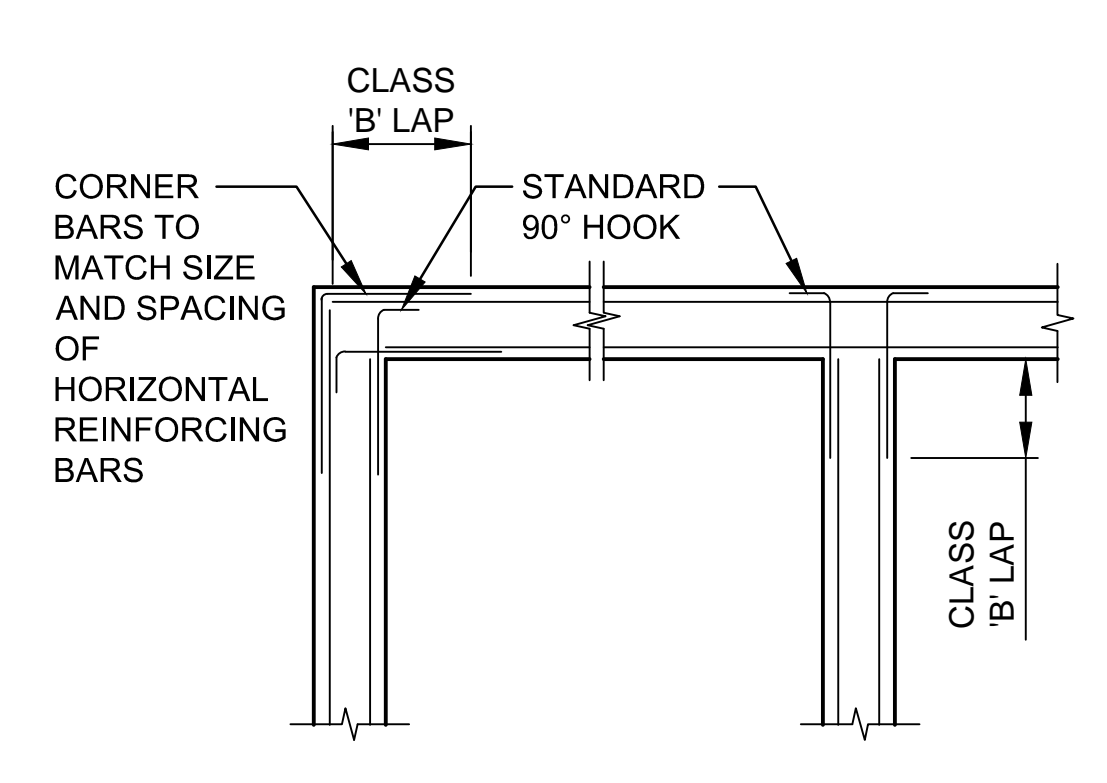




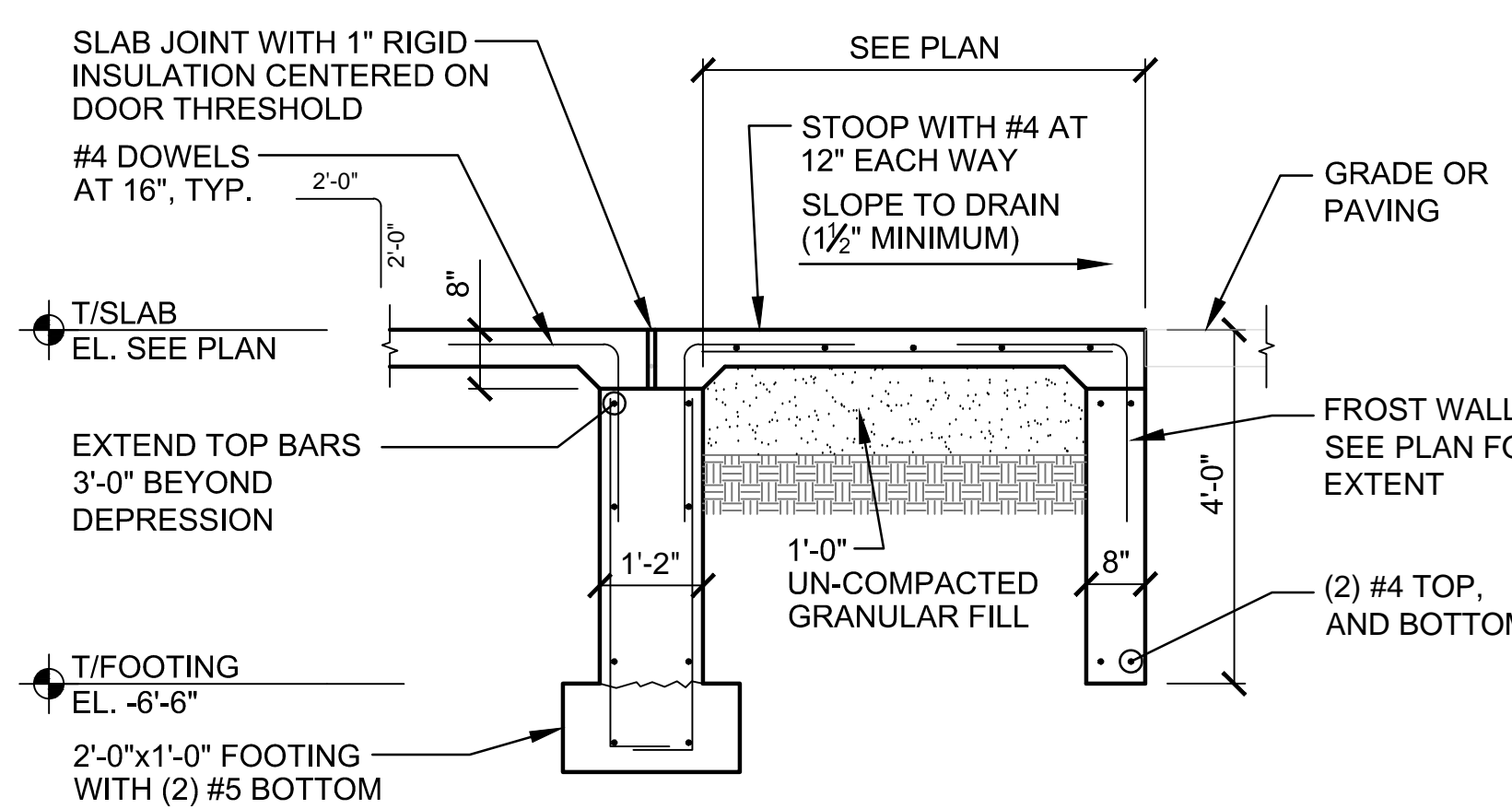
1 SLAB SCHEDULE AND DETAIL
S300 NOT TO SCALE



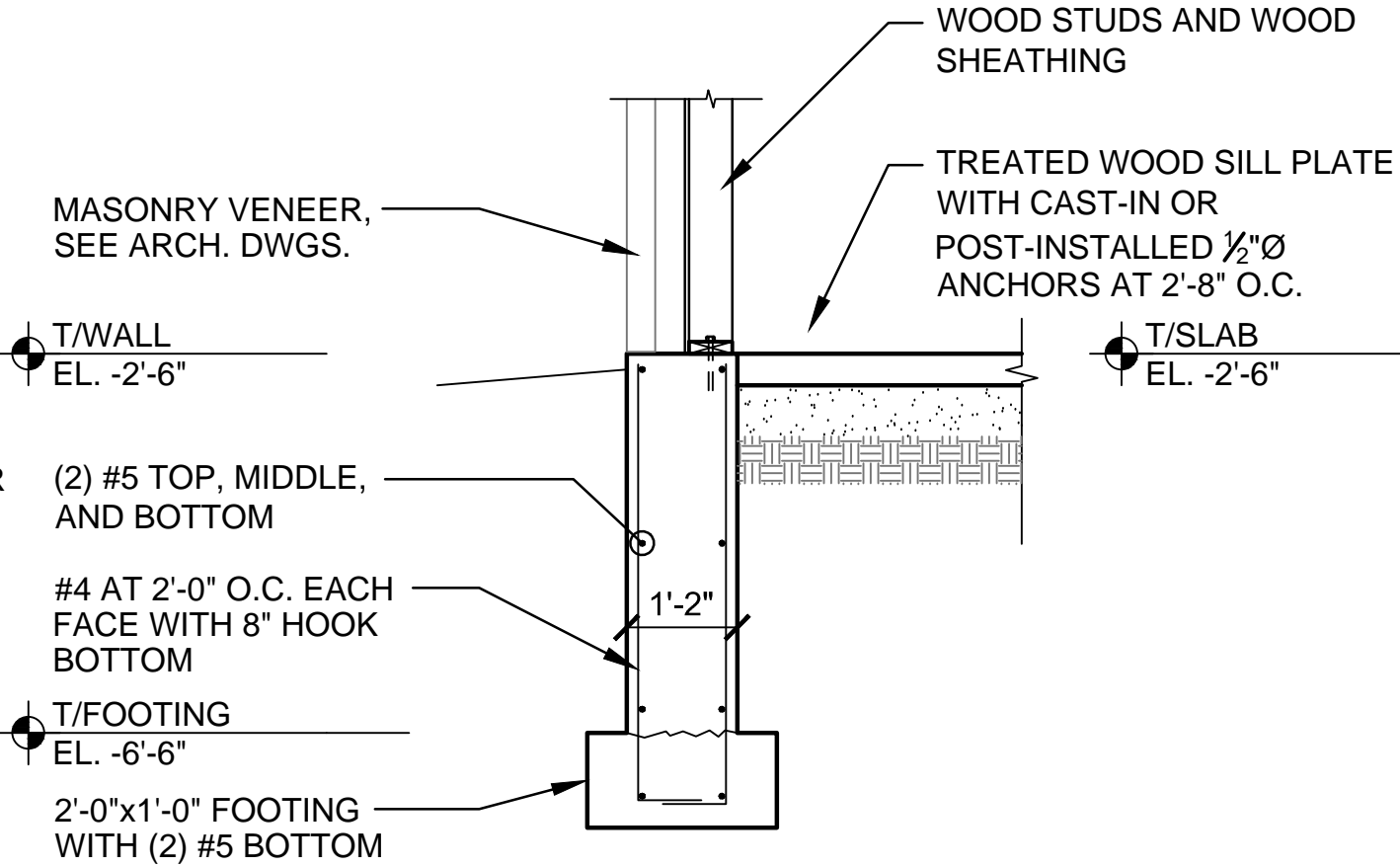
2 TYPICAL FOUNDATION WALL JOINT DETAILS
S300 NOT TO SCALE



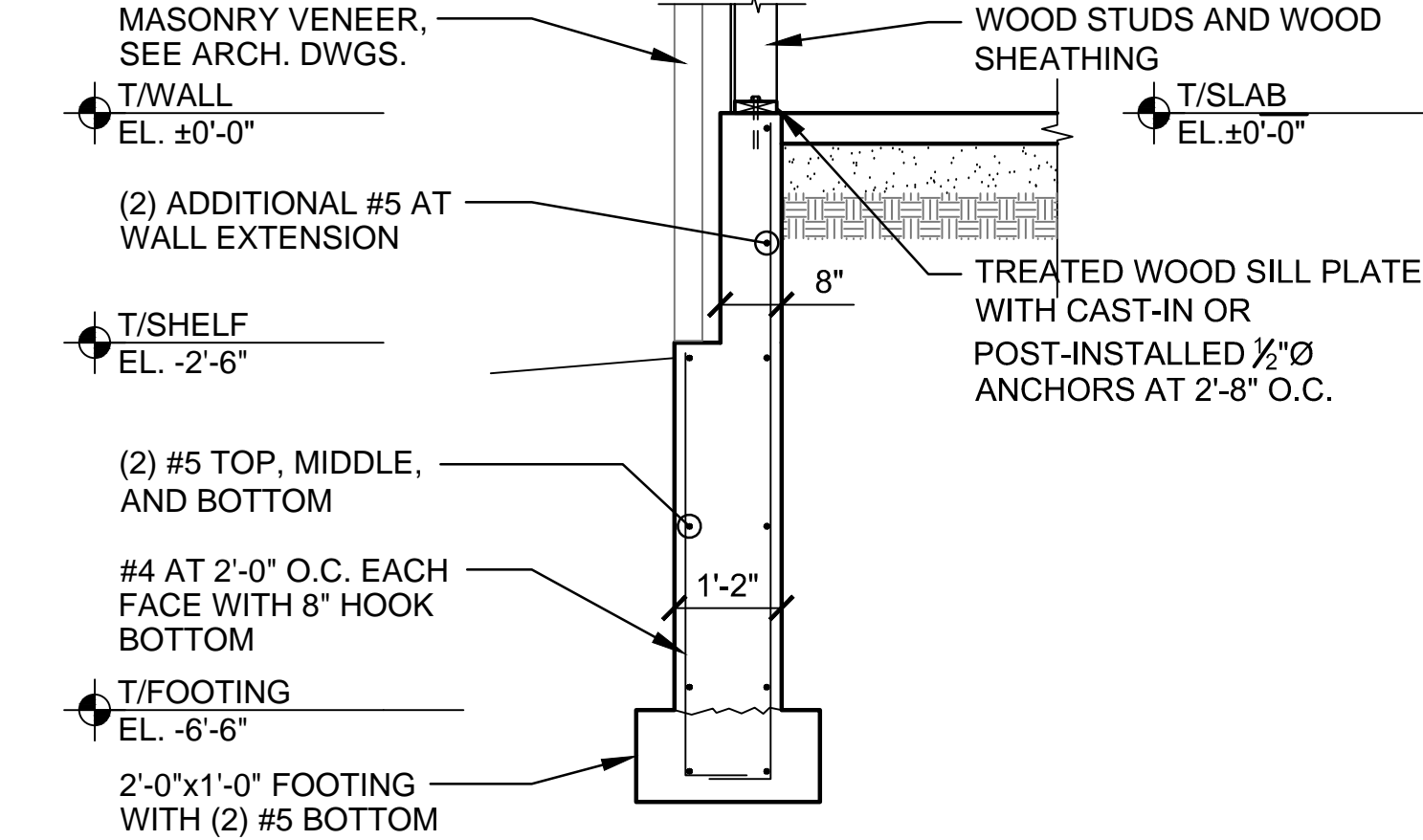
3 TYP. WALL CORNER BAR DETAIL
S300 NOT TO SCALE



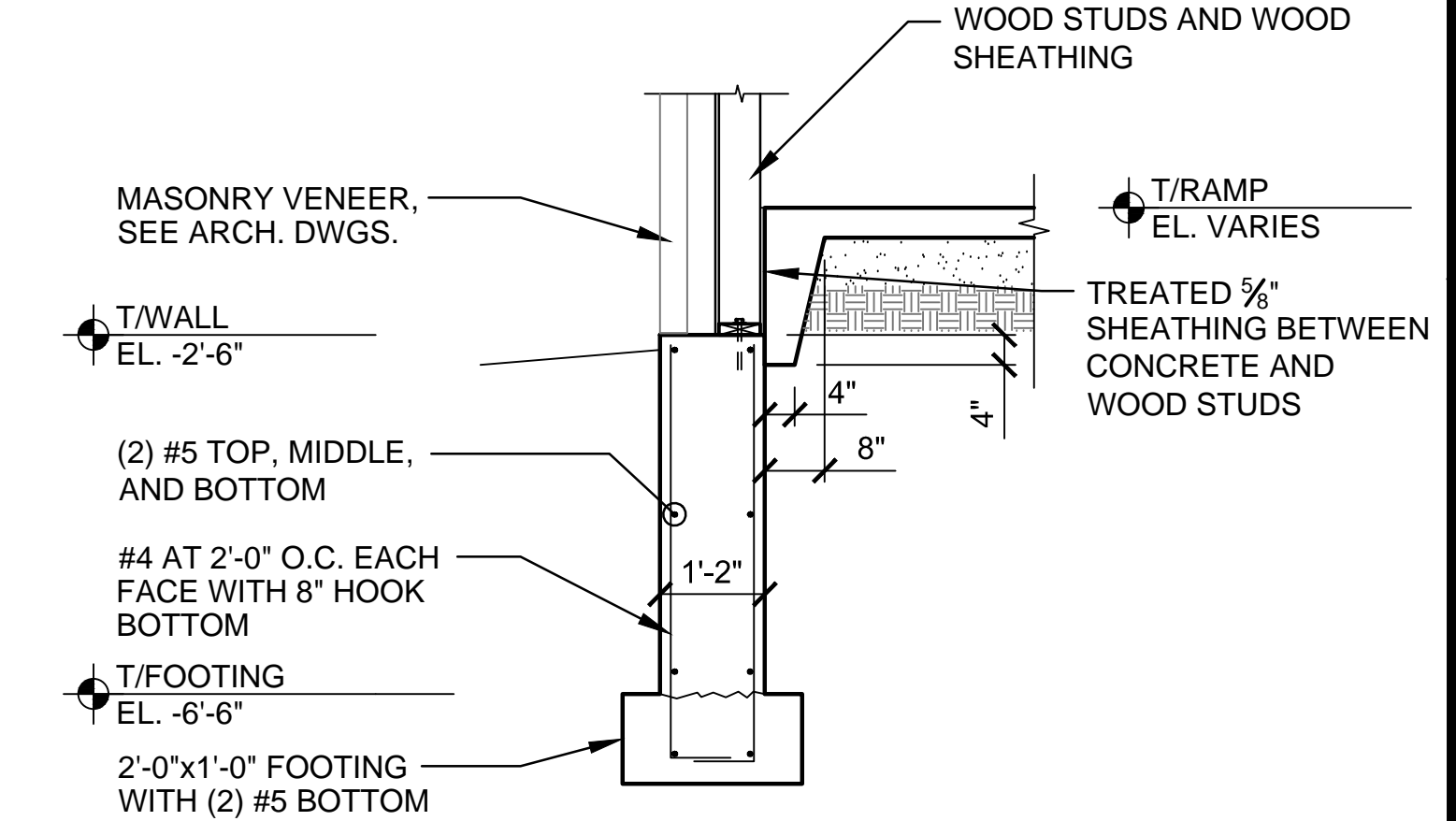
4 TYP. SECTION AT THRESHOLD AND STOOP
S300



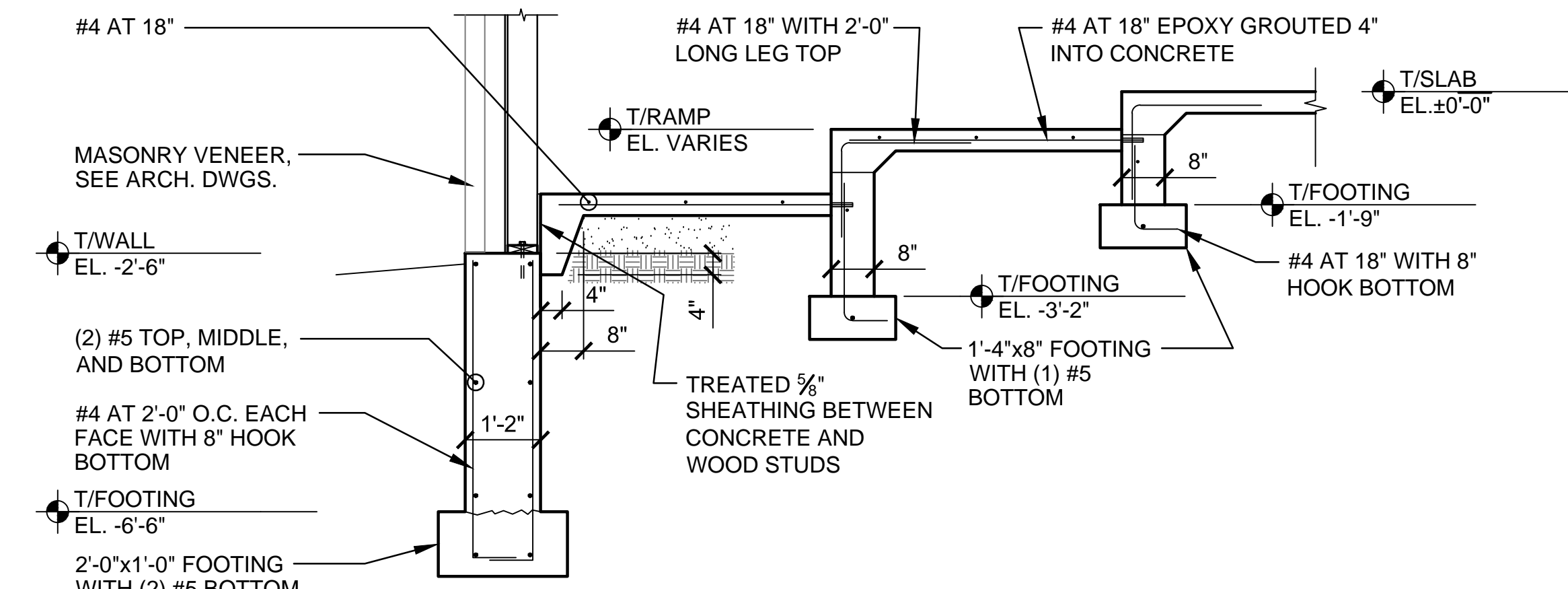
5 SECTION
S300



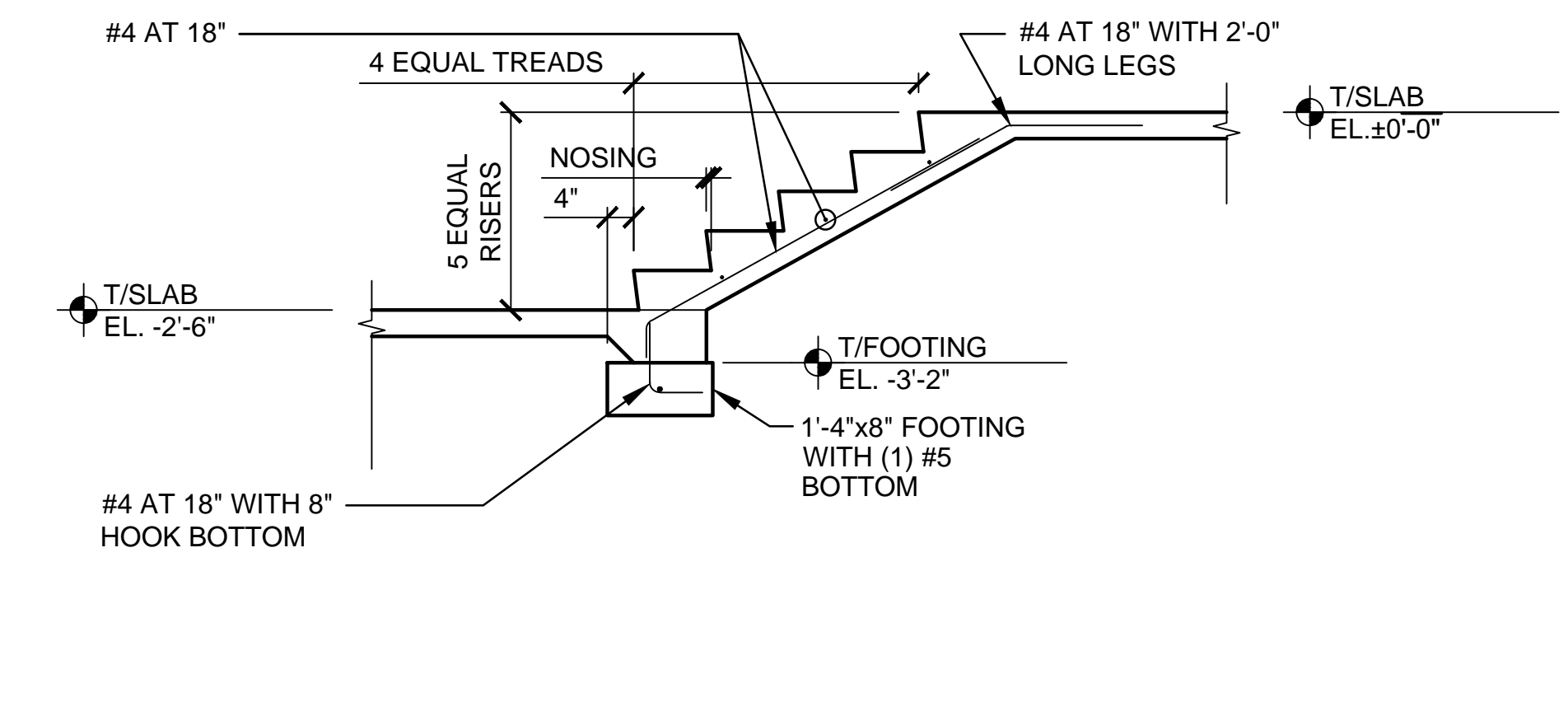
6 SECTION
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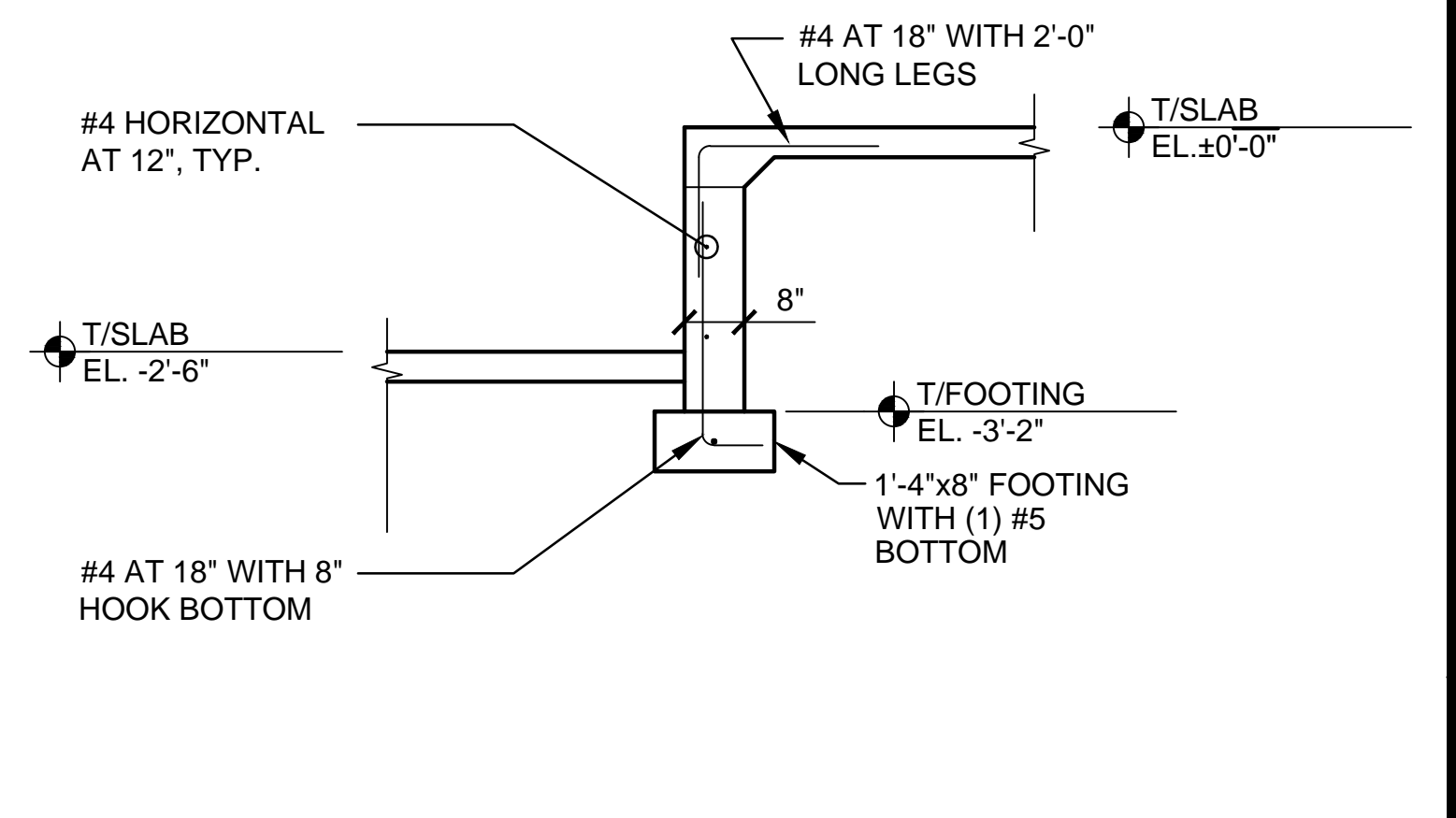
7 SECTION
S300



8 SECTION
S300



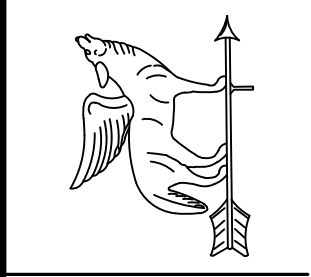
9 SECTION
S300



10 SECTION
S300

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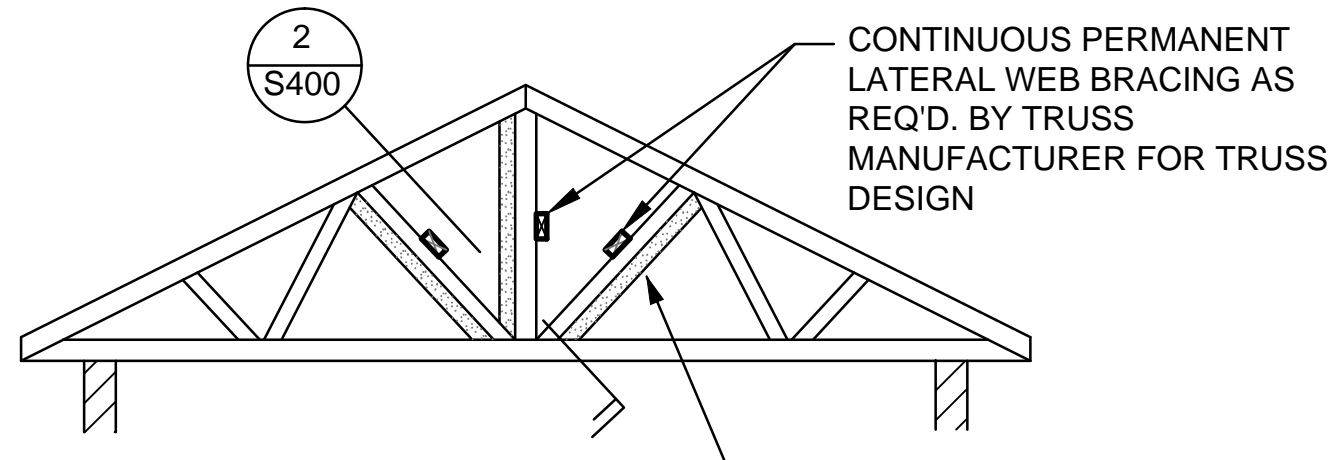


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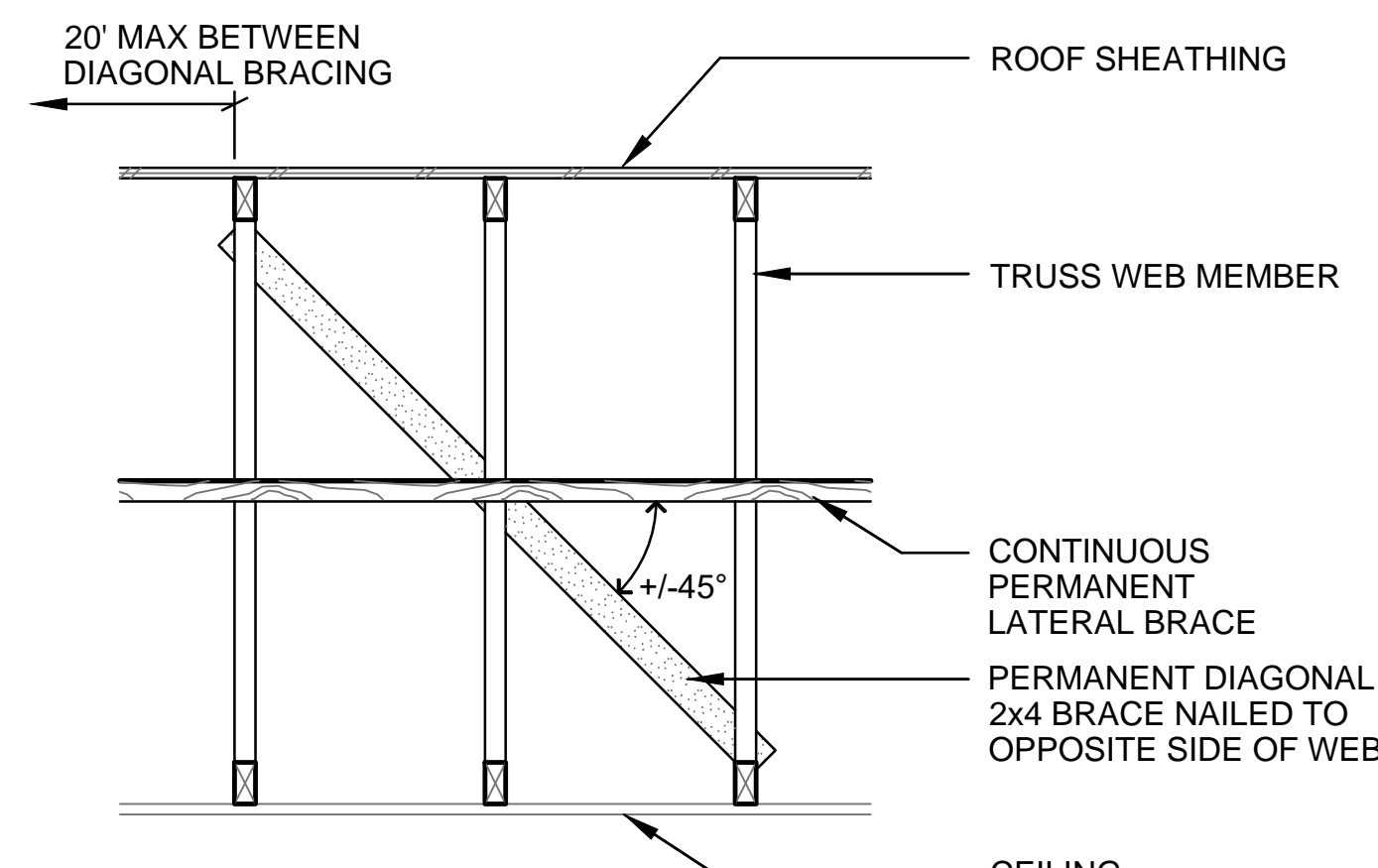


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1 PERMANENT TRUSS BRACING
S400

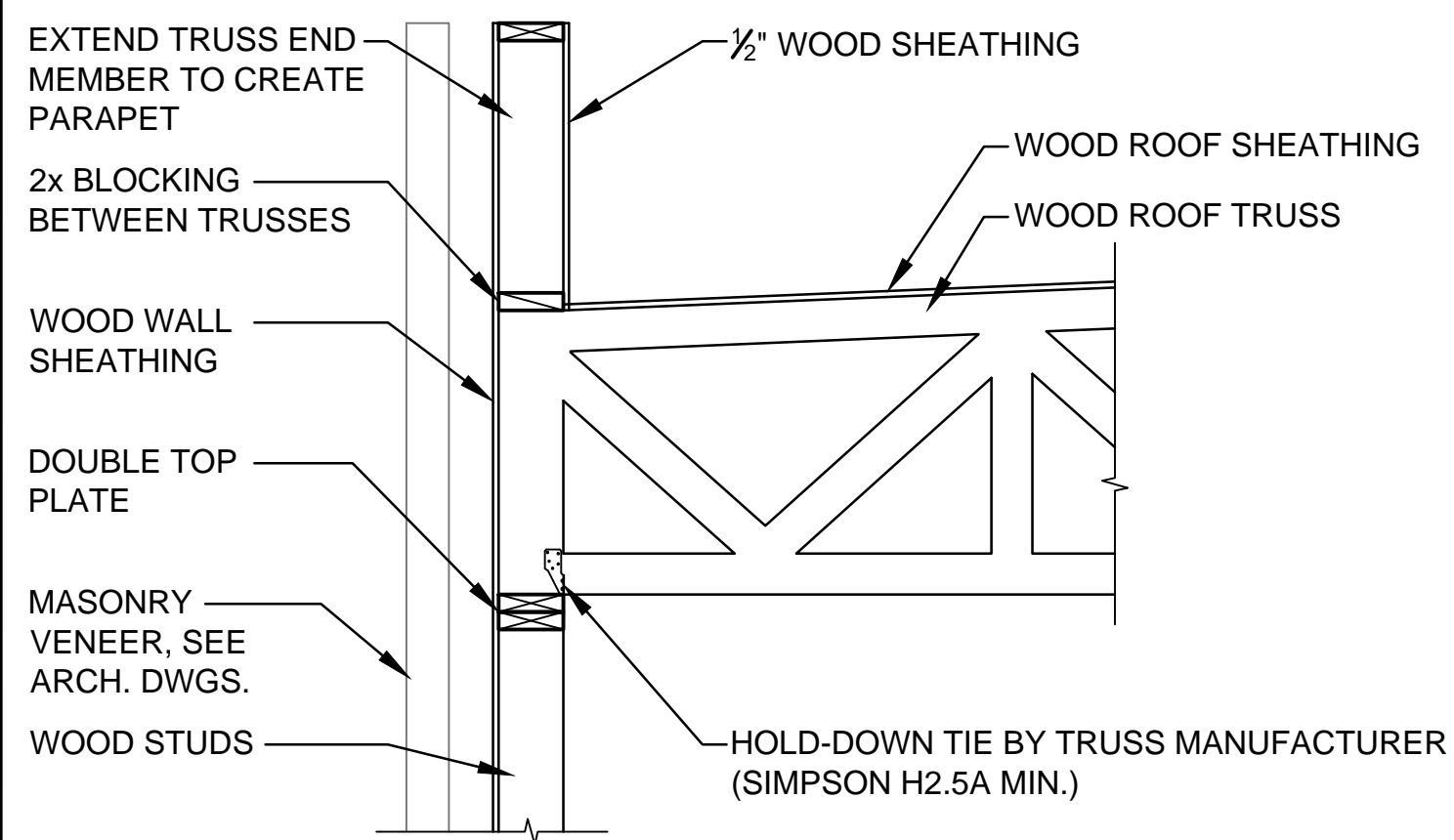
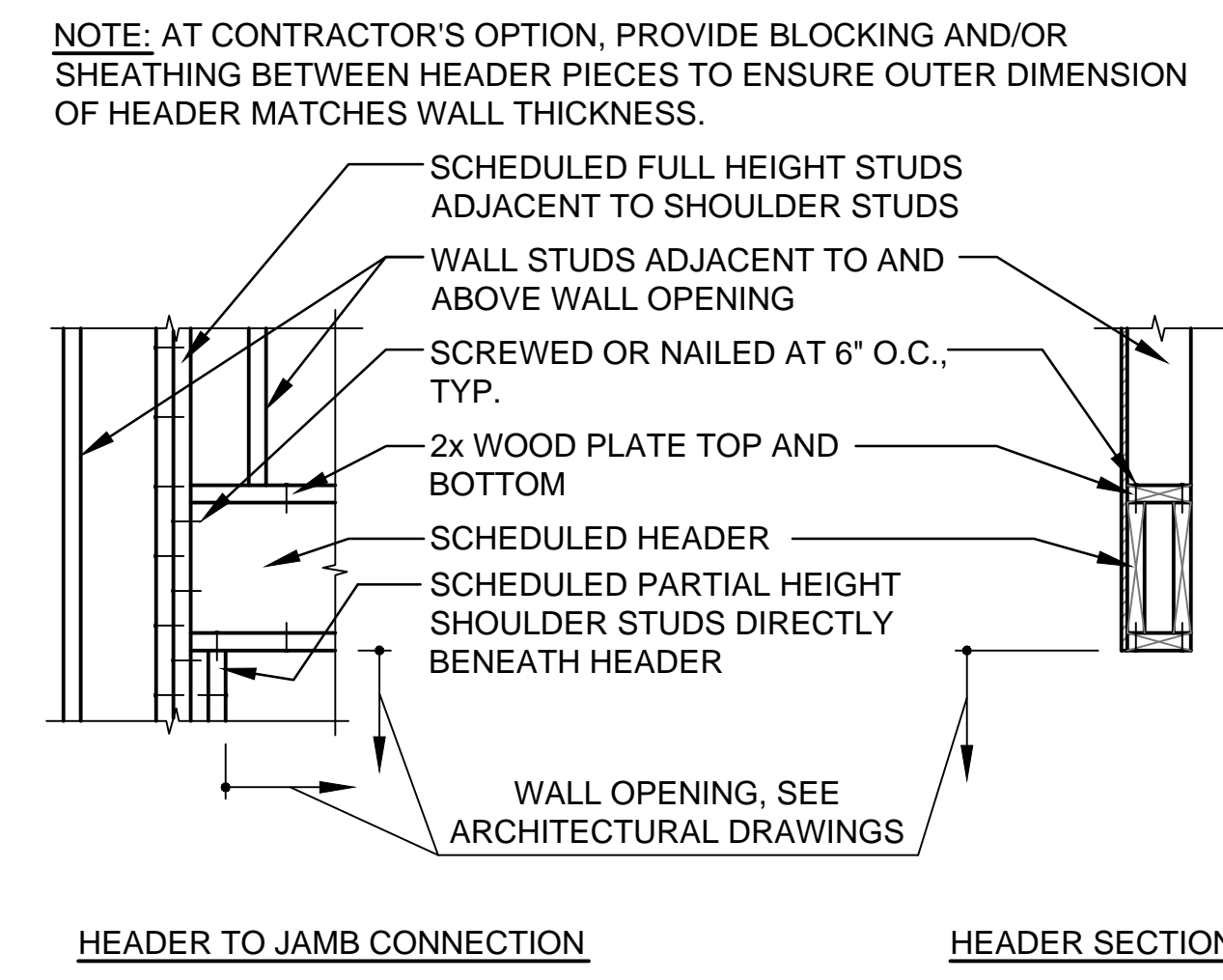


2 PERMANENT WEB BRACING
S400

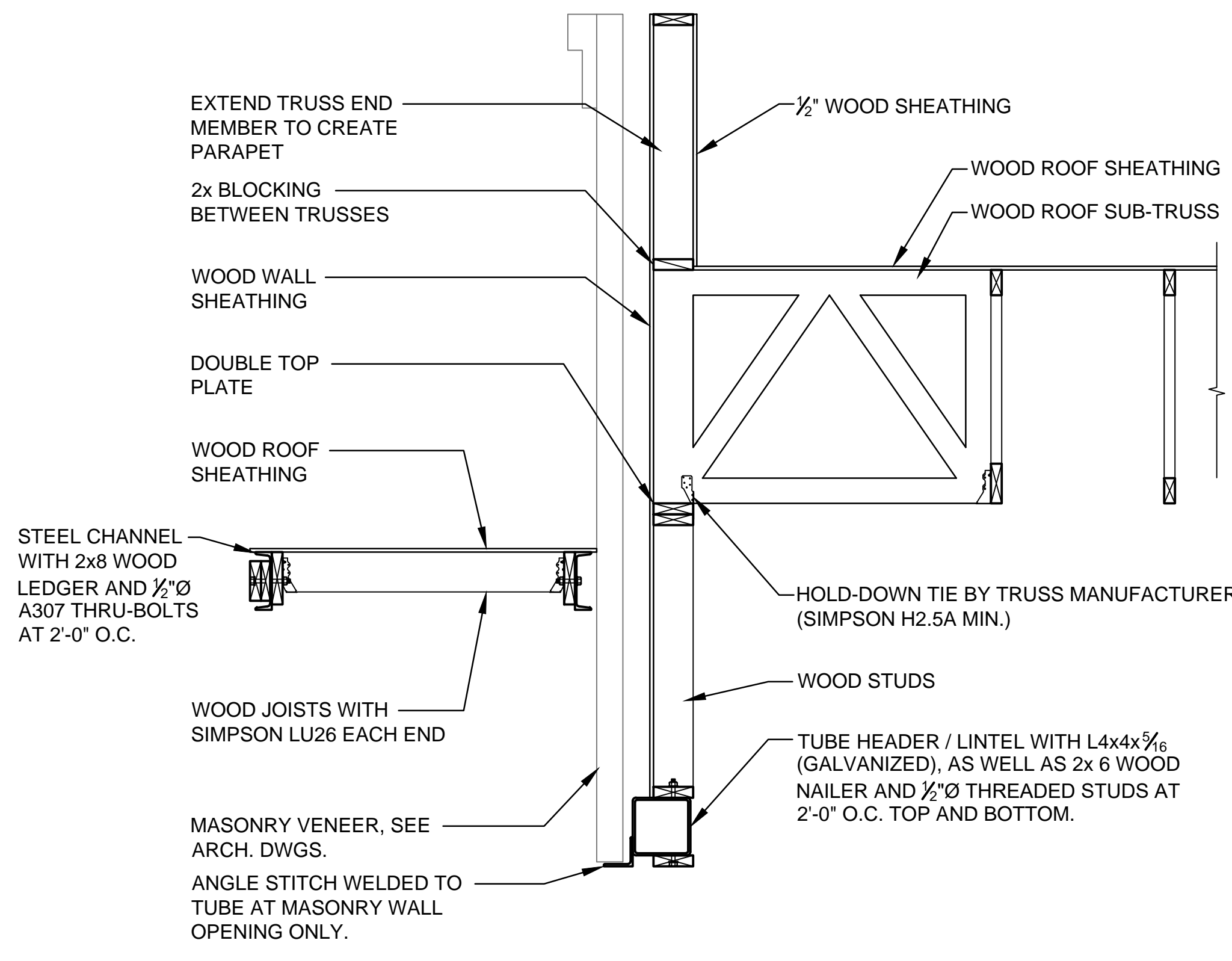
WOOD HEADER SCHEDULE		
HEADER NUMBER	HEADER MEMBER SIZE	JAMB MEMBER SIZE
H1 (NOTE 1)	(2) 2x6	(1) 2x4 SHOULDER STUD & (1) 2x4 FULL HEIGHT STUD
H2 (NOTE 2)	(2) 2x8	(1) 2x6 SHOULDER STUD & (1) 2x6 FULL HEIGHT STUD
H3	(3) 1 1/4"x11 1/4" LVL	(2) 2x6 SHOULDER STUD & (2) 2x6 FULL HEIGHT STUD

NOTES:
1. TYPICAL INTERIOR NON-LOAD BEARING MAN-DOOR WALL OPENING HEADER.
2. TYPICAL INTERIOR AND EXTERIOR LOAD BEARING MAN-DOOR OPENING HEADER.

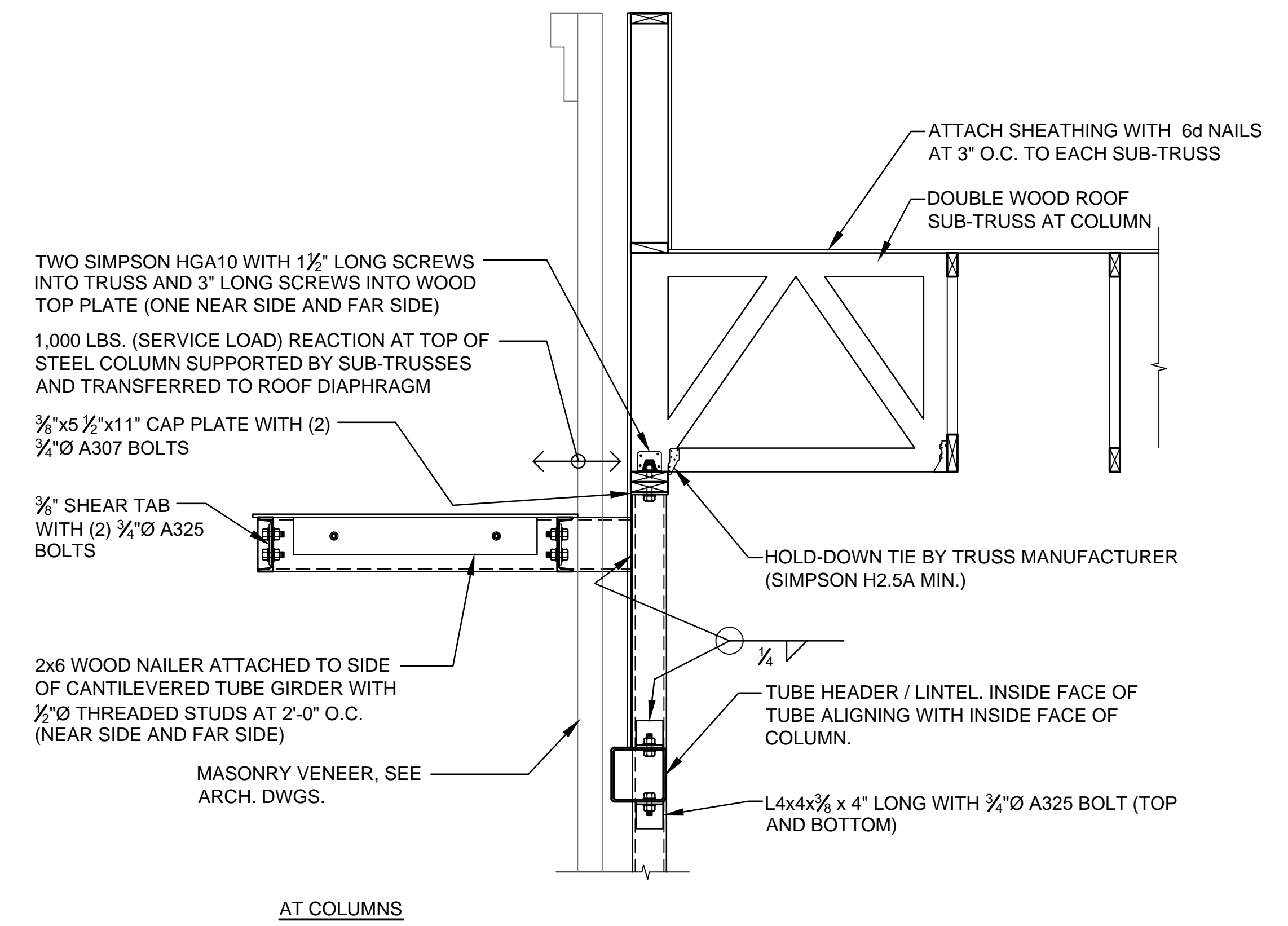
3 WOOD HEADER SCHEDULE AND DETAILS
S400 NOT TO SCALE



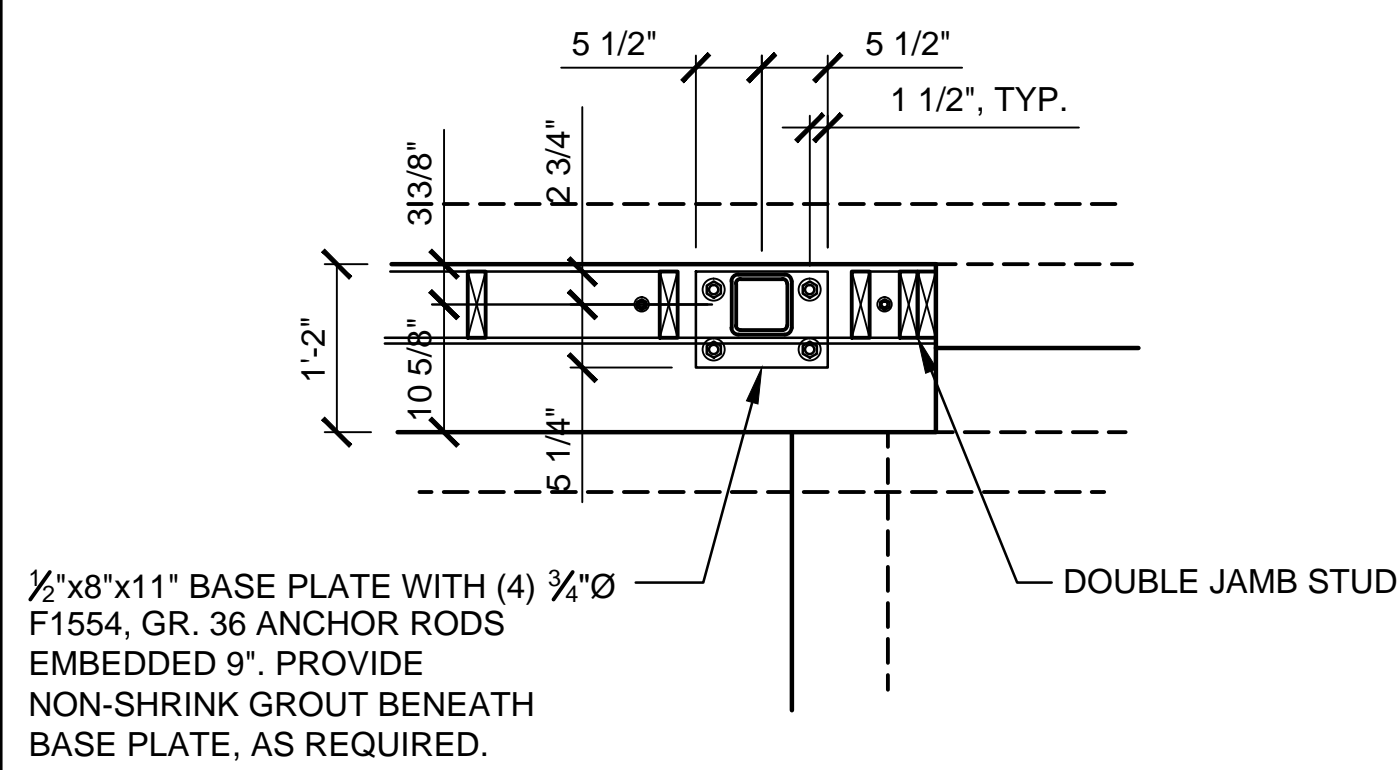
4 SECTION
S400



5 SECTION
S400



6 SECTION
S400



7 SECTION
S400

LINTEL SCHEDULE		
MARK	SYMBOL	DESCRIPTION
L1	L	L3 1/2"x3 1/2"x3/8

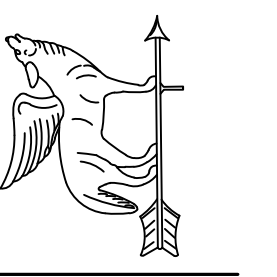
NOTES:
1. PROVIDE 8" OF BEARING ON SOLID GROUTED MASONRY EACH END.
2. STEEL LINTELS SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.

8 SECTION
S400

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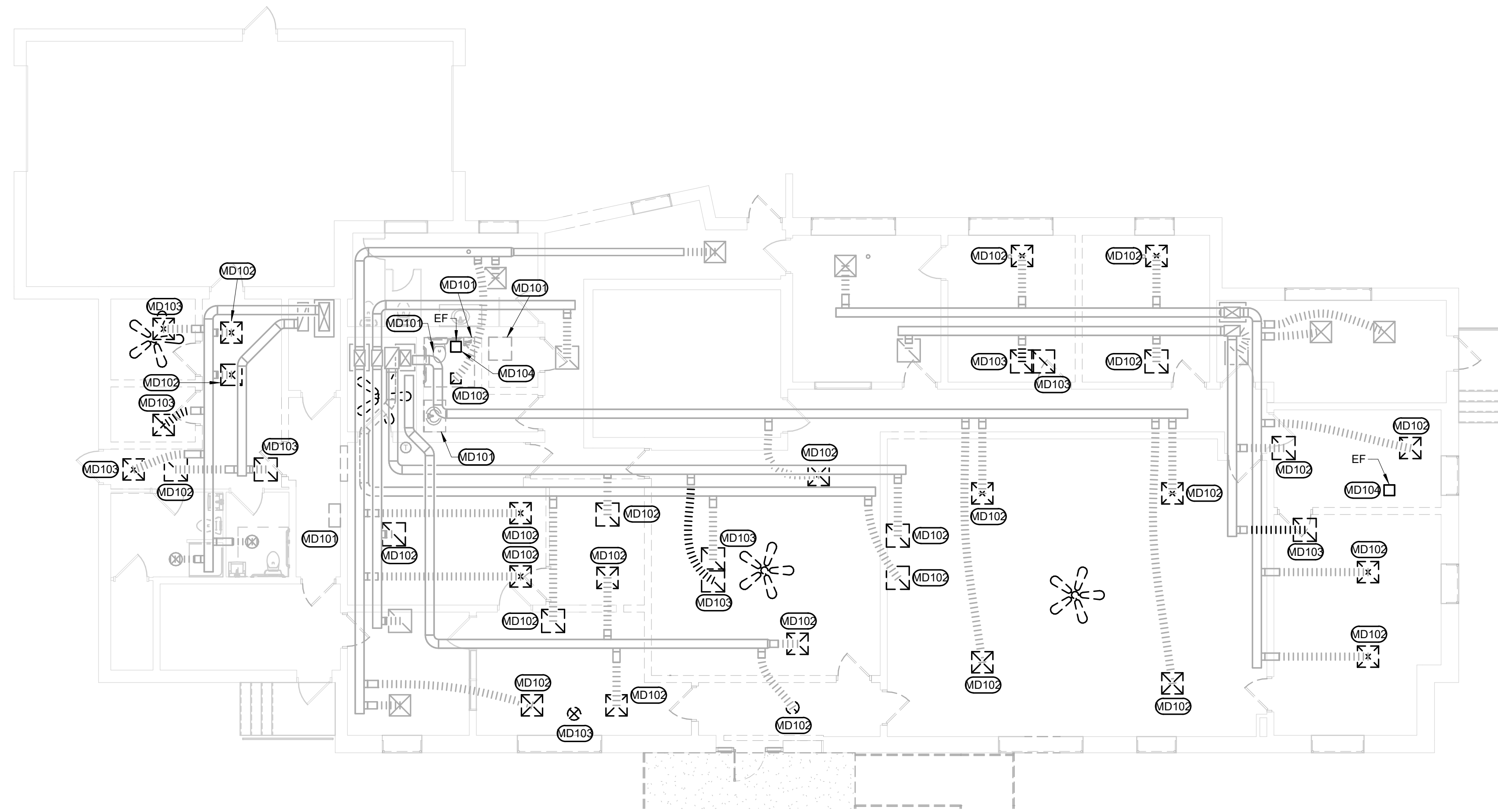
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1 MECHANICAL DEMOLITION
1/8" = 1'-0"

GENERAL DEMOLITION NOTES:

- A. NOT ALL DUCTWORK AND PIPING MAY NOT BE SHOWN ON THE DRAWINGS. CONTRACTOR SHALL INSPECT SITE PRIOR TO BIDDING TO REVIEW SCOPE OF WORK.
- B. CONTRACTOR TO PATCH WALLS, FLOORS, AND CEILINGS AS REQUIRED WHERE OPENINGS ARE MADE AS A RESULT OF DEMOLITION OF PIPING AND EQUIPMENT.
- C. REMOVE DEMOLISHED MATERIAL FROM SITE DAILY TO KEEP AREAS CLEAR OF ACCUMULATED DEBRIS.
- D. COORDINATE ALL DEMO WITH NEW WORK. SPACE TO BE OCCUPIED BY OWNER DURING CONSTRUCTION.
- E. CONTRACTOR TO VERIFY ALL DIFFUSERS AND GRILLES BEFORE DEMOLITION. NOT ALL MAY BE SHOWN ON THE PLANS. BRING TO THE ATTENTION OF THE ENGINEER ANY ITEMS NOT ON THE PLANS BEFORE DEMOLITION.

MECHANICAL SPECIFIC NOTES

- MD101 REMOVE EXISTING PLUMBING FIXTURE AND ALL ASSOCIATED PIPING BACK TO THE MAIN. CAP PIPING AT MAIN. FIELD VERIFY EXACT LOCATION. PATCH ANY OPENINGS AS REQUIRED. COORDINATE WITH GENERAL CONTRACTOR.
- MD102 REMOVE EXISTING SUPPLY/RETURN GRILLES AND DIFFUSERS AS SHOWN. FIELD VERIFY EXACT LOCATION. NEW DIFFUSER/GRILLE TO CONNECT TO EXISTING DUCTWORK.
- MD103 REMOVE EXISTING DUCTWORK AND SUPPLY/RETURN GRILLES AND DIFFUSERS AS SHOWN. CAP DUCT AT MAIN AS REQUIRED. REPAIR ANY OPENINGS AS REQUIRED. FIELD VERIFY EXACT LOCATION.
- MD104 REMOVE EXISTING EXHAUST DUCT AND FAN. REPAIR ANY OPENINGS AS REQUIRED. FIELD VERIFY EXACT LOCATION.

DAVID K.
CLARK
23782

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

David K. Clark
David K. Clark

3-14-2023

Iowa Registration Number: 23782
My license renewal date is December 31, 2023.
Pages or sheets covered by this seal:
M001, M101, M201, P101, P201

WPE# 8022089

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MECHANICAL DEMOLITION

City of Oelwein
OELWEIN CITY HALL RENOVATION



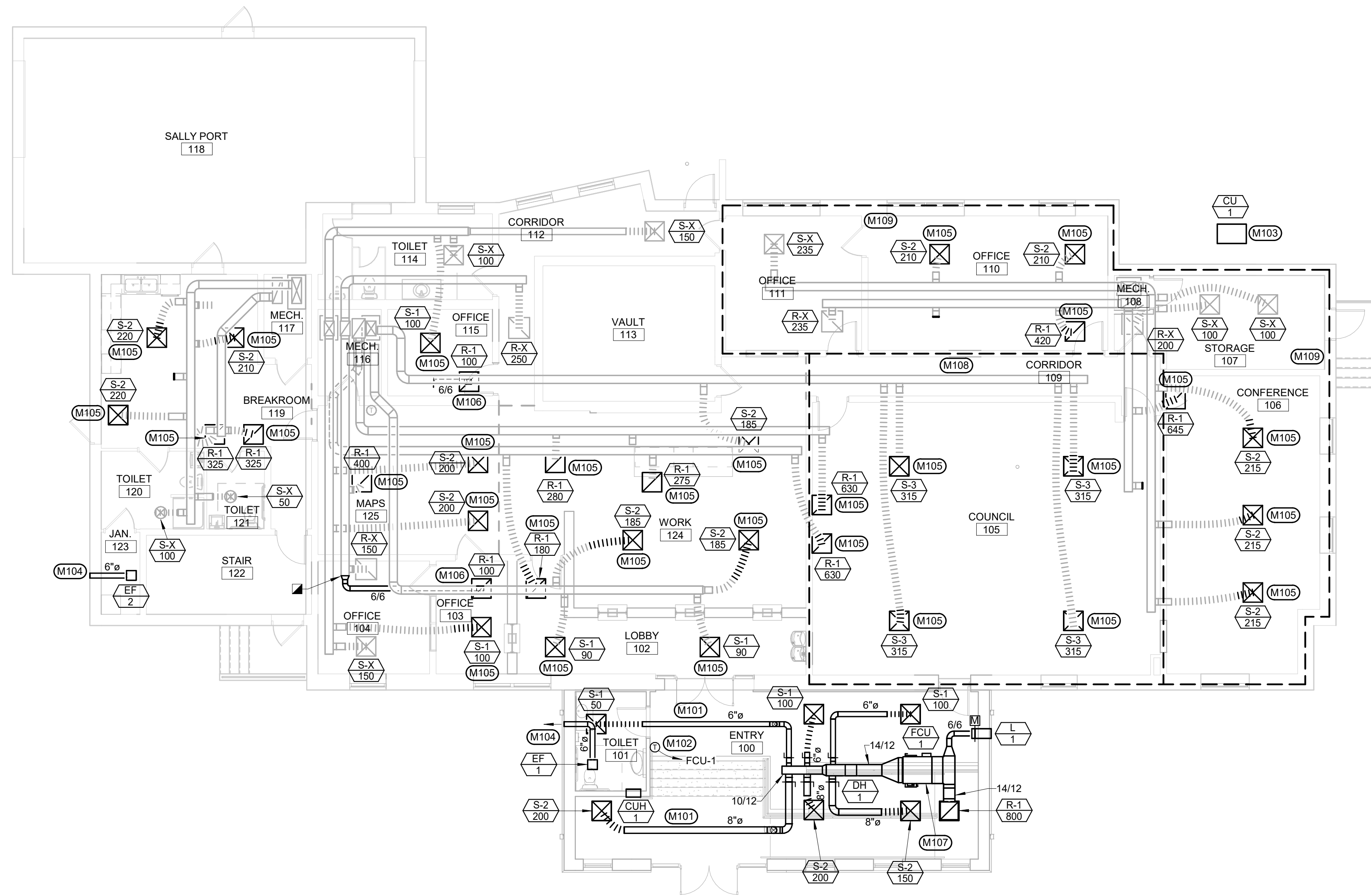
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STRAWBERRY
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(563) 933-4712

M001

B122089

Project Status: 09/14/23
REVISION NUMBER:
DATE:



GENERAL MECHANICAL NOTES:

- A. ALL WORK SHALL BE IN ACCORDANCE WITH THE BUILDING CODES ADOPTED BY THE STATE OF IOWA AND CITY OF OELWEIN, IA. INSTALL ALL EQUIPMENT PER THE MANUFACTURER'S RECOMMENDATIONS.
- B. INSTALL ALL EQUIPMENT PER THE MANUFACTURER'S RECOMMENDATIONS.
- C. FIRE CAULK ALL PIPE PENETRATIONS THAT PENETRATE FIRE RATED WALLS AND FLOOR/CEILING ASSEMBLIES. ALL NON RATED PENETRATIONS TO BE CAULKED TO REDUCE NOISE TRANSFER.
- D. CONTRACTOR TO CUT AND PATCH WALLS, FLOORS, AND CEILINGS AS REQUIRED FOR INSTALLATION OF PIPING AND EQUIPMENT.
- E. DRAWINGS DO NOT SHOW ALL PIPE ELEVATION CHANGES AND TRANSITIONS. CONTRACTOR TO INCLUDE PIPE FITTINGS OFFSETS AS NEEDED TO COORDINATE WITH EXISTING WORK AND OTHER TRADES.
- F. COORDINATE HANGER SUPPORT MATERIAL WITH STRUCTURAL CONDITIONS.
- G. COORDINATE NEW WORK WITH ALL OTHER TRADES.
- H. NOT ALL DUCT TRANSITIONS INCLUDING RISES, DROPS AND NECK DOWNS ARE SHOWN ON PLANS. CONTRACTOR SHALL SHOW ALL REQUIRED TRANSITIONS ON COORDINATION SHOP DRAWINGS. ASSUME SOME ARE REQUIRED TO OFFSET AROUND ARCHITECTURAL AND MEP ITEMS. COORDINATE WITH OTHER TRADES. PROVIDE OFFSET AS NECESSARY.
- I. PROVIDE TURNING VANES PER SMACNA IN ALL 90 DEGREE AND 45 DEGREE ELBOWS.
- J. DESIGN WAS BASED UPON OBSERVATIONS AND LIMITED CONFIRMATION OF DUCT DISTRIBUTION. CONTRACTOR SHALL VERIFY DUCT DISTRIBUTION AND SIZING BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY DISCREPANCY THAT MAY REQUIRE MODIFICATION OF DESIGN.
- K. BALANCE EXISTING REMAINING DIFFUSERS AND GRILLES TO NEW CFM AS SHOWN ON PLANS.

MECHANICAL SPECIFIC NOTES

- M101 ROUTE DUCTWORK IN ATTIC SPACE ABOVE GYP CEILING. DOUBLE WRAP WITH INSULATION AS REQUIRED.
- M102 MOUNT THERMOSTAT AT 48 INCHES ABOVE FINISHED FLOOR.
- M103 MOUNT CONDENSING UNIT ON 4" THICK CONCRETE PAD. EXTEND PAD 6" BEYOND UNIT IN ALL DIRECTIONS. ROUTE REFRIGERANT PIPING TO ASSOCIATED COOLING COIL. SIZE AS PER MANUFACTURER'S RECOMMENDATIONS.
- M104 6 INCH EXHAUST DUCT OUT THROUGH SIDE WALL. TERMINATE WITH HOODED WALL CAP.
- M105 CONNECT TO EXISTING SUPPLY / RETURN DUCTWORK SERVING NEARBY DEMOLISHED DIFFUSER / GRILLE. FIELD VERIFY EXACT LOCATION OF DUCTWORK. ASSUME SOME DUCT MODIFICATION OR EXTENSION IS REQUIRED.
- M106 PROVIDE DUCT CONNECTION FROM NEW DIFFUSER OR GRILLE TO EXISTING DUCT MAIN SERVING THE SPACE. FIELD VERIFY EXACT LOCATION.
- M107 PROVIDE WITH NEOPRENE HANGER MOUNT VIBRATION ISOLATORS.
- M108 THIS WORK IS PART OF ALTERNATE BID A-1.
- M109 THIS WORK IS PART OF ALTERNATE BID A-2.

1 NEW-HVAC
1/8" = 1'-0"

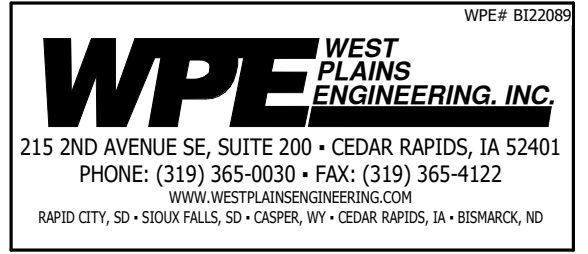
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City of Oelwein
OELWEIN CITY HALL RENOVATION



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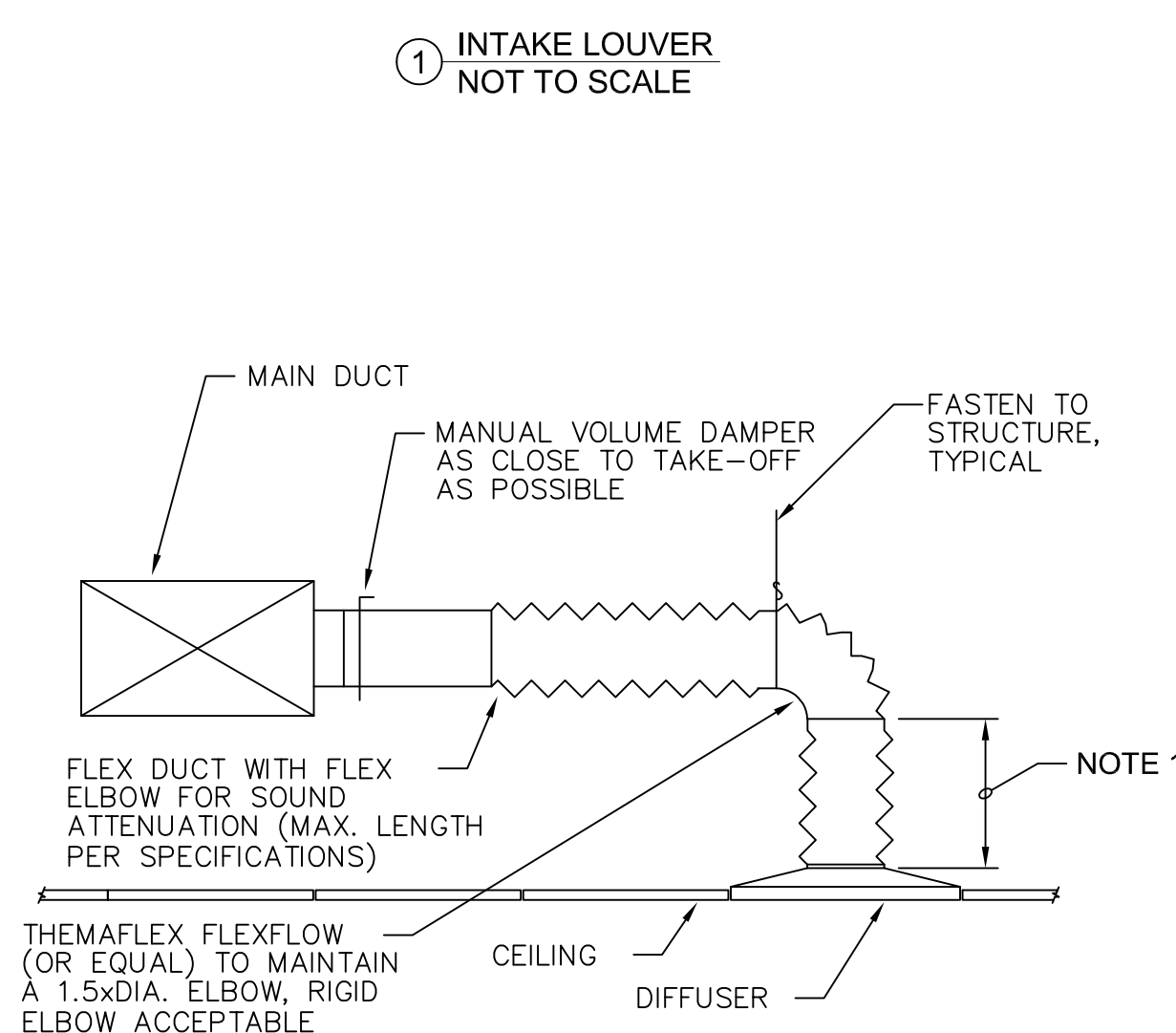
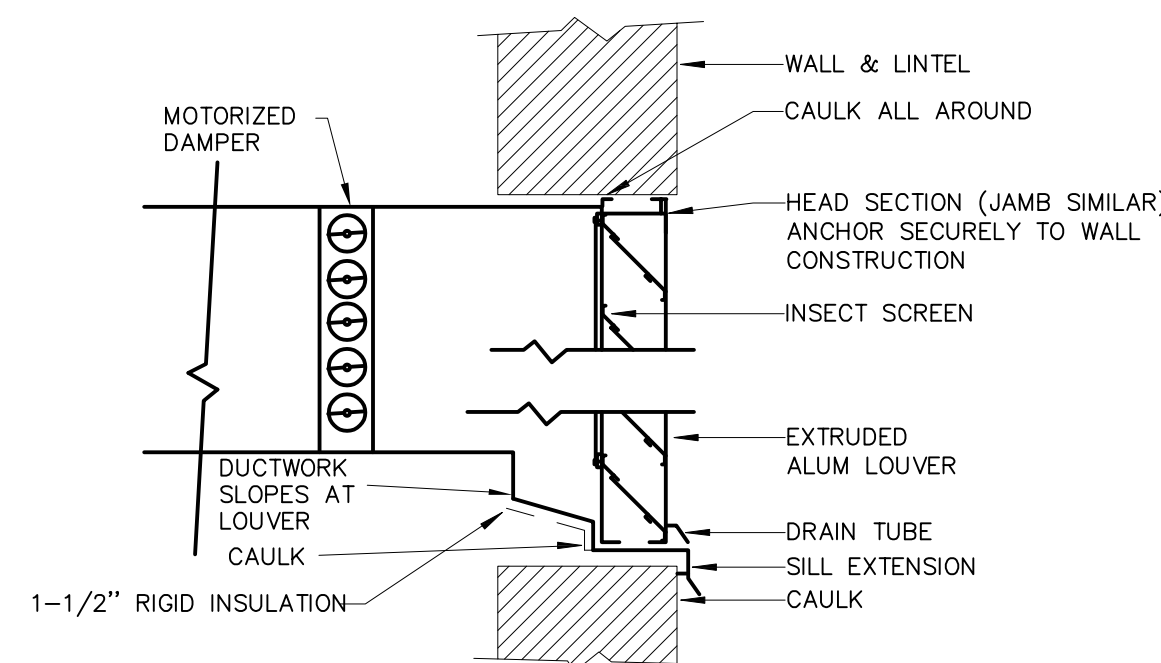
HVAC

MECHANICAL SYMBOLS

—CW— COLD WATER PIPE	—HW— HOT WATER PIPE	—RHW— CIRCULATING HOT WATER PIPE
—UCW— UNDERGROUND COLD WATER PIPE	—UHW— UNDERGROUND HOT WATER PIPE	—URHW— UNDERGROUND CIRCULATING HOT WATER PIPE
—SAN— UNDERFLOOR WASTE PIPE	—SAN— ABOVE FLOOR WASTE PIPE	—V— VENT PIPE
—ST— UNDERFLOOR STORM PIPE	—ST— ABOVE FLOOR STORM PIPE	
—OST— UNDERFLOOR OVERFLOW STORM PIPE	—OST— ABOVE FLOOR OVERFLOW STORM PIPE	
—PD— PUMP DISCHARGE	—PD— PUMP DISCHARGE	
—AW— UNDERFLOOR ACID WASTE PIPE	—AW— ABOVE FLOOR ACID RESISTANT WASTE PIPE	—AV— ACID RESISTANT VENT PIPE
—S— COLD SOFT WATER PIPE	—SHW— SOFT HOT WATER PIPE	—SRHW— SOFT CIRCULATING HOT WATER PIPE
—CA— COMPRESSED AIR PIPE	—LS— LAWN SPRINKLER PIPE	△ COMPRESSED AIR OUTLET
—HPS— HIGH PRESSURE STEAM	—MPS— MEDIUM PRESSURE STEAM	—LPS— LOW PRESSURE STEAM
—HPR— HIGH PRESSURE RETURN	—MPR— MEDIUM PRESSURE RETURN	—LPR— LOW PRESSURE RETURN
—PC— PUMPED CONDENSATE PIPE		
—G— NATURAL GAS	—LP— LIQUEFIED PETROLEUM GAS	
—HWS— HOT WATER HEATING SUPPLY	—HWR— HOT WATER HEATING RETURN	
—CWS— CHILLED WATER SUPPLY PIPE	—CWR— CHILLED WATER RETURN PIPE	
—CS— CONDENSER WATER SUPPLY PIPE	—CR— CONDENSER WATER RETURN PIPE	
—HPWS— HEAT PUMP WATER SUPPLY	—HPWR— HEAT PUMP WATER RETURN	
—GLWS— GROUND LOOP WATER SUPPLY	—GLWR— GROUND LOOP WATER RETURN	
—FOS— FUEL OIL SUPPLY	—FOR— FUEL OIL RETURN	
—FOV— FUEL OIL VENT	—FOG— FUEL OIL GAUGE	
—RL— REFRIGERANT LIQUID PIPE	—RS— REFRIGERANT SUCTION PIPE	—HG— HOT GAS
—O— OXYGEN PIPE	—VAC— CLINICAL AND LAB VACUUM	—GE— GAS EVACUATION PIPE
—NO— NITROUS OXIDE PIPE	—N— NITROGEN PIPE	—A— CLINICAL AND LAB AIR PIPE
△ OXYGEN OUTLET	△ NITROGEN OUTLET	△ GAS EVACUATION OUTLET
△ NITROUS OXIDE OUTLET	△ NITROGEN OUTLET	△ CLINICAL AIR OUTLET
—D— EQUIPMENT DRAIN	DS DOWN SPOUT	FD FIRE DEPT. HOSE VALVE
—F— FIRE SPRINKLER PIPE	SP STAND PIPE	
○ PENDANT TYPE SPRINKLER HEAD	○ UPRIGHT SPRINKLER HEAD	○ RECESSED SPRINKLER HEAD
● CONCEALED SPRINKLER HEAD	● POST INDICATOR VALVE	
— PIPE CONNECTION	— AIR VENT	— FLOW ALARM
○ ELBOW DOWN	○ FLOW MEASURING DEVICE	— PRESSURE/TEMPERATURE TAP
○ ELBOW UP	— EXPANSION JOINT, PIPE GUIDE	— PRESSURE GAUGE
— TEE DOWN	— CAPPED OUTLET	— STATIC PRESSURE SENSOR
— PIPE PITCH DOWN	— SHUT OFF VALVE	— THERMOMETER
— DIRECTION OF FLOW	— BALANCING VALVE	— STRAINER
— PIPE ANCHOR	— CONTROL VALVE	— STEAM TRAP
— REDUCER OR INCREASER	— 3-WAY CONTROL VALVE	— BACK FLOW PREVENTER
— UNION	— PRESSURE REDUCING VALVE	— FLOW CONTROL VALVE
— FLEXIBLE PIPE CONNECTION	— PRESSURE RELIEF VALVE	— STRAINER VALVE
WH WALL HYDRANT	— DOMESTIC WATER TEMPERING VALVE	— PRESSURE SENSOR DIFFERENTIAL
HO HOSE BIB	— CHECK VALVE	— THERMOSTAT
CO CLEAN OUT ABOVE FLOOR	— CURB STOP	— NIGHT THERMOSTAT
WCO WALL CLEAN OUT		— THERMOSTAT W/LOCKABLE COVER
CO CLEAN OUT IN FLOOR	RD ROOF DRAIN	— HUMIDISTAT
FD FLOOR DRAIN	ORD OVERFLOW ROOF DRAIN	— FLOW SWITCH
FS FLOOR SINK	AD AREA DRAIN	— DEMOLITION HATCHING
— RADIATION ELEMENT	— CONNECT TO EXIST. SERVICE	
— TYPE RADIATION DESIGNATION		
— RING ELEMENT LENGTH		

VENTILATION SYMBOLS

□ SUPPLY DUCT (UP & DOWN)	MANUAL VOLUME DAMPER
□ RETURN DUCT (UP & DOWN)	BRANCH DUCT INTO SIDE OF MAIN DUCT
□ EXHAUST DUCT (UP & DOWN)	DUCT RISE OR DROP IN DIRECTION OF AIR FLOW
W STANDARD RADIUS ELBOW R EQUAL W (MINIMUM)	DUCT DIMENSION- WIDTH x DEPTH
DUCT TURN WITH TURN VANES	DUCT INSULATION (SEE SPECIFICATION)
FLEXIBLE DUCT CONNECTION	DUCT TURN AND AIR SPLIT TYPE TAKEOFF (NON-ADJUSTABLE)
SPIRAL DUCTWORK	GRILLE, REGISTER & DIFFUSER DESIGNATION
LOW PRESSURE DUCTWORK MAX 2" W.G. PRESSURE	SUPPLY, RETURN, EXHAUST, & TRANSFER
MEDIUM PRESSURE DUCTWORK 2"-8" W.G. PRESSURE	EQUIPMENT DESIGNATION
F - FIRE DAMPER M - MOTORIZED DAMPER	FLEX DUCT (5" MAXIMUM)
S - SMOKE DAMPER B - BACKDRAFT DAMPER	
C - COMBINATION FIRE SMOKE DAMPER	



NOTES:
1. INSTALL ONE DUCT DIAMETER OF STRAIGHT DUCTWORK WHEREVER POSSIBLE.

SPLIT HEAT PUMP SYSTEM SCHEDULE

UNIT NO	EQUIPMENT TYPE	MANUFACTURER'S DESIGNATION	SERVES	CFM	COOLING		HEATING		ELECTRIC			NOTES
					MBH	SEER	MBH	HSPF	V/PH/Hz	MCA	MOCPP	
FCU-1	INDOOR CEILING FAN COIL	DAKIN-FDM24RVJU	ENTRY	800	24	18.6	24	10	-	-	-	1,2,3
CU-1	OUTDOOR AIR CONDITIONER	DAKIN-RXL24UMVJUA	ENTRY	-	24	18.6	24	10	208/1/60	19.8	20	4,5

NOTES:
1. PROVIDE WITH MERV 8 FILTERS.
2. PROVIDE WITH CONDENSATE PUMP AND ROUTE CONDENSATE LINE TO MOP SINK.
3. POWERED BY OUTDOOR UNIT.
4. PROVIDE UNIT MOUNTED DISCONNECT.
5. PROVIDE PAD FOR GROUND MOUNTED INSTALLATION.

DUCT HEATER SCHEDULE

UNIT NO	MANUFACTURER'S DESIGNATION	OPTIONS	DUCT DIMENSIONS			ELECTRICAL				NOTES	
			W	H	D	KW	STAGES	V	PH		HZ
DH-1	INDEECO-QJA	C1,L6,M6,Q,Q3,T2,U6,Z2	14"	12"	8"	6	1	208	1	60	1

NOTES: CONTROL WITH THERMOSTAT SERVING FCU-1.

ELECTRIC CABINET UNIT HEATER SCHEDULE

ITEM NO	MANUFACTURER'S DESIGNATION	KW	BTUHR	ELECTRIC		NOTES
				V/PH	Hz	
CUH-1	TRANE UHW031A2AT	3	10,239	208/1		1,2,3

NOTES:
1. PROVIDE BUILT-IN DISCONNECT SWITCH.
2. RECESS UNIT INTO WALL.
3. PROVIDE UNIT MOUNTED TAMPER PROOF THERMOSTAT.

FAN SCHEDULE

UNIT NO	MANUFACTURER'S DESIGNATION	CFM	S.P.D. (IN)	TOTAL WATTS	MOTOR HP	ELECTRIC		NOTES
						V/PH	Hz	
EF-1	GREENHECK SP-110-VG	70	0.375	8	-	115/1	0.3	1-5
EF-2	GREENHECK SP-110-VG	70	0.375	8	-	115/1	0.3	1-4,6

NOTES:
1. PROVIDE WITH FACTORY INSTALLED BACKDRAFT DAMPER AND BIRDSCREEN.
2. PROVIDE WITH STANDARD PREWired DISCONNECT.
3. ENERGY STAR RATED IF AVAILABLE.
4. PROVIDE WITH HOODED WALL CAP OR ROOF CAP. ARCHITECT TO SELECT COLOR.
5. FAN SHALL BE ENERGIZED VIA THE LIGHT SWITCH IN THEIR RESPECTIVE ROOM.
6. FAN SHALL RUN CONTINUOUSLY.

LOUVER SCHEDULE

UNIT NO	MANUFACTURER'S DESIGNATION	FUNCTION	SIZE W" X H"	CFM	S.P. (IN. W.G.)	FREE AREA VELOCITY (FPM)	REMARKS

NOTES:
1. PROVIDE WITH BIRD SCREEN.
2. ARCHITECT TO SELECT COLOR FROM MANUFACTURER'S STANDARD COLOR SELECTIONS.
3. ALUMINUM CONSTRUCTION WITH BAKED ENAMEL FINISH.
4. COORDINATE FRAME TYPE WITH ARCHITECTURE DETAILS.
5. PROVIDE WITH LOW VOLTAGE MOTORIZED DAMPER. INTERLOCK WITH FAN COIL FAN OPERATION.

REGISTER GRILLES AND DIFFUSER SCHEDULE

UNIT NO	MANUFACTURER'S DESIGNATION	NOMINAL SIZE	THROAT SIZE	MAX CFM	THROW	T.P.D. (IN)	NC	REMARKS
S-2	TITUS-OMNI	24" x 24"	8"	250	3-5-10	0.06	12	1,2,3
S-3	TITUS-OMNI	24" x 24"	10"	430	5-8-14	0.11	20	1,2,3
S-X	EXISTING SUPPLY	-	-	-	-	-	-	5
R-1	TITUS-50F	24" x 24"	22" x 22"	2200	-	0.10	20	1,4
R-X	EXISTING RETURN	-	-	-	-	-	-	5

NOTES:
1. COORDINATE FRAME STYLE WITH CEILING, WALL, SILL AND/OR DUCT.
2. NECK SIZE TO MATCH DUCT SIZE UNLESS NOTED OTHERWISE.
3. TRANSITION DUCT AS REQUIRED TO THROAT SIZE OF GRILLE OR REGISTER.
4. PROVIDE OR BUILD A SHEETMETAL BACK PAN FOR EXHAUST OR RETURN DUCT CONNECTION.
5. BALANCE AIRFLOWS TO NEW CFM SHOWN ON PLANS.

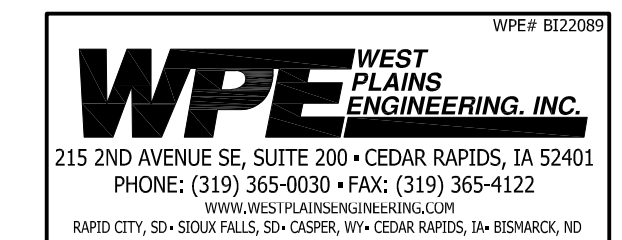
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City of Oelwein
OELWEIN CITY HALL RENOVATION

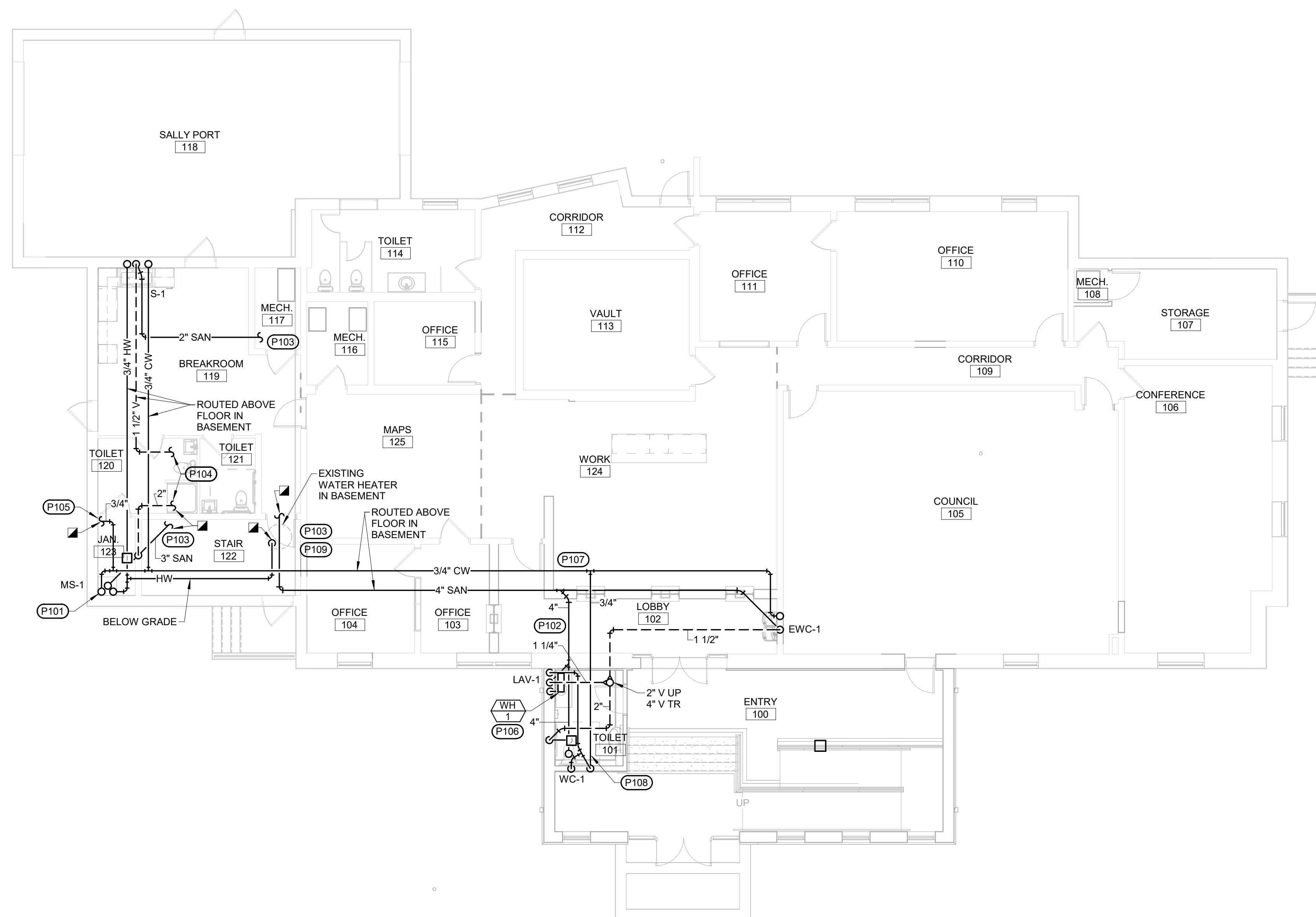


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- B. COORDINATE THE PLUMBING WITH THE WORK OF ALL OTHER TRADES.
- C. INSTALL ALL EQUIPMENT PER THE MANUFACTURER'S RECOMMENDATIONS.
- D. FIRE CAULK ALL PIPE PENETRATIONS THAT PENETRATE FIRE RATED WALLS AND FLOOR/CEILING ASSEMBLIES.
- E. CONTRACTOR TO CUT AND PATCH WALLS, FLOORS, AND CEILINGS AS REQUIRED FOR INSTALLATION OF PIPING AND EQUIPMENT.
- F. DRAWINGS DO NOT SHOW ALL PIPE ELEVATION CHANGES AND TRANSITIONS. CONTRACTOR TO INCLUDE PIPE FITTINGS OFFSETS AS NEEDED TO COORDINATE WITH EXISTING WORK AND OTHER TRADES.
- G. COORDINATE HANGER SUPPORT MATERIAL WITH STRUCTURAL CONDITIONS.
- H. DRAWINGS DO NOT SHOW ALL ISOLATION VALVES. INCLUDE VALVES ON BRANCH TAKE-OFFS OF PIPING MAINS.

PLUMBING SPECIFIC NOTES

- P101 FURR OUT WALL TO ALLOW FOR HOT AND COLD WATER PIPE.
- P102 SAW CUT FLOOR AS REQUIRED TO INSTALL ALL UNDERFLOOR NEW PIPING. PATCH TO MATCH EXISTING. COORDINATE WITH GENERAL CONTRACTOR.
- P103 CONNECT TO EXISTING SANITARY LINES ABOVE GRADE IN BASEMENT. FIELD VERIFY EXACT LOCATION.
- P104 CONNECT TO EXISTING VENT LINE SERVING RESTROOM. FIELD VERIFY EXACT LOCATION.
- P105 CONNECT TO EXISTING INCOMING COLD WATER MAIN IN BASEMENT. FIELD VERIFY EXACT LOCATION.
- P106 INSTALL WATER HEATER BELOW LAVATORY.
- P107 PIPING TO BE INSTALLED IN EXISTING TUNNEL. FIELD VERIFY EXACT LOCATION.
- P108 COLD WATER PIPING BELOW GRADE TO BE ONE CONTINUOUS PIECE OF PIPE.
- P109 CONNECT TO EXISTING HOT WATER LINE AT WATER HEATER. FIELD VERIFY EXACT LOCATION.

1 NEW- PLUMBING
1/8" = 1'-0"

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OELWEIN CITY HALL RENOVATION



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RAPID CITY, SD • SIOUX FALLS, SD • CASPER, WY • CEDAR RAPIDS, IA • DESMOINES, IA

P101
B122089

UNDERFLOOR SANITARY AND VENT

MECHANICAL SYMBOLS

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FD FLOOR DRAIN	ORF OVERFLOW ROOF DRAIN	— FLOW SWITCH
FS FLOOR SINK	AD AREA DRAIN	— DEMOLITION HATCHING
— RADIATION ELEMENT	— CONNECT TO EXIST. SERVICE	
TYPE RAD-1 FINISHED ELEMENT 5-0" LENGTH		

PLUMBING FIXTURE SCHEDULE

FIXTURE NO	MANUFACTURER'S DESIGNATION	FIXTURE TYPE	MATERIAL	WASTE		FAUCET		MISC.	SUPPLY		NOTES
				WASTE	VENT	MFGR MODEL	CW		HW		
WC-1	AMERICAN STANDARD 2467 016	ADA FLOOR MOUNT WATER CLOSET	VITREOUS CHINA	4"	2"	-	-	PRESSURE ASSISTED FLUSH	3/4"	-	1,2
LAV-1	KOHLER - K-2714	DROP IN LAVATORY	VITREOUS CHINA	1-1/4"	1-1/4"	DELTA - S91T0250-BB	-	-	1/2"	1/2"	2,3,4
MS-1	FIAT MSB2424	MOP SINK	-	3"	2"	FIAT 830-AA	-	-	3/4"	3/4"	5
EWC-1	ELKAY LZSL8WLSK	DUAL HEIGHT WATER COOLER	STAINLESS STEEL	1-1/2"	1-1/2"	-	-	EZH20 BOTTLE FILLING STATION	1/2"	1/2"	2,6
S-1	ELKAY - LR3322	DOUBLE BOWL KITCHEN SINK	STAINLESS STEEL	1-1/2"	1-1/2"	DELTA - B4310LF	-	-	1/2"	1/2"	7

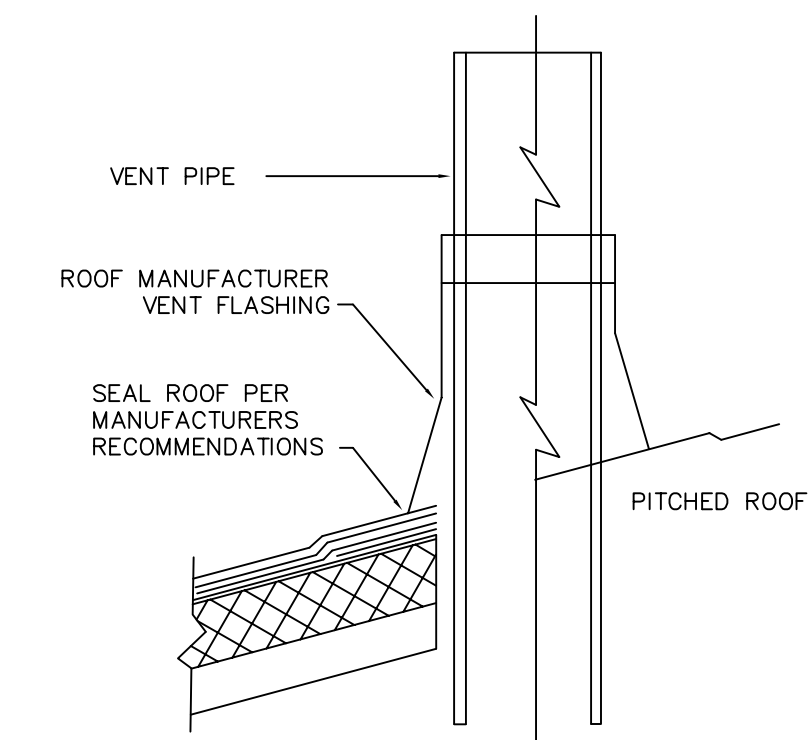
- NOTES:
1. PROVIDE WITH WHITE OPEN SEAT.
 2. MOUNT FIXTURE AT ADA REQUIRED HEIGHT CONFIGURATION.
 3. PROVIDE WITH POWERS LF E-480-10 MIXING VALVE OR EQUAL.
 3. PROVIDE WITH 24V TRANSFORMER AND BATTERY BACKUP.
 5. INCLUDE FIAT 889-CC, 832-AA, AND 833-AA MOP HANGER, HOSE, AND BRACKET.
 6. PROVIDE WITH EZH20 BOTTLE FILLING STATION.
 7. PROVIDE WITH INSINKERATOR COMPACT 34 HP FOOD WASTE DISPOSER.

ELECTRIC WATER HEATER - POINT OF USE

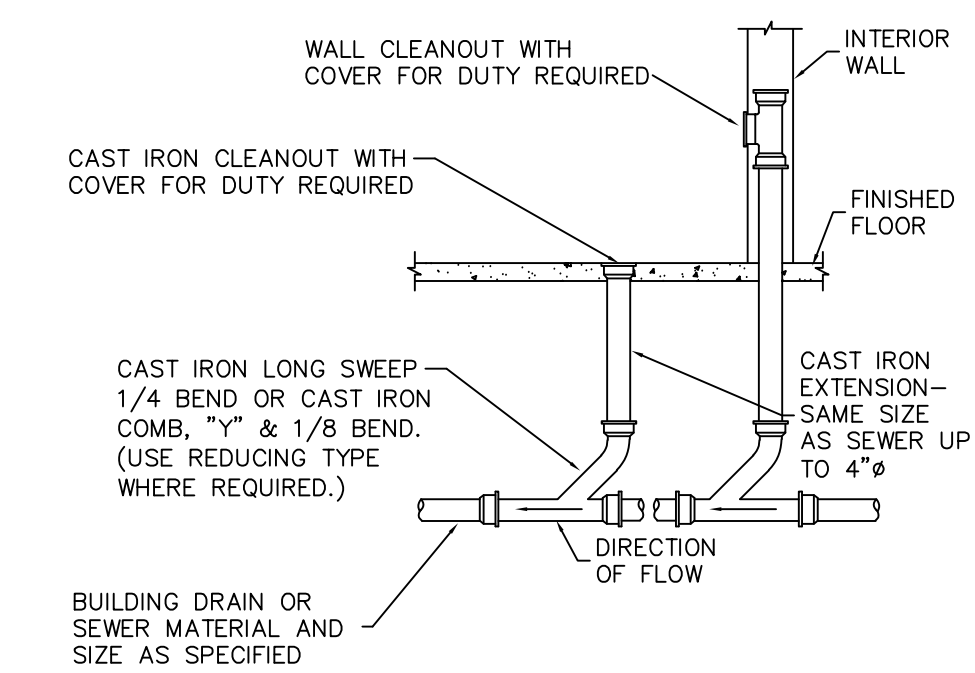
UNIT NO	MANUFACTURER'S DESIGNATION	LOCATION	SERVICE	WATER		REQUIRED GPM	TURN ON GPM	ELECTRICAL			NOTES
				EWT (DEG F)	LWT (DEG F)			KW	VPH	AMPS	
WH-1	EEMAX SPEX3208	TOILET 189	HAND WASH	50	91	0.5	0.25	3	208/1	15	1,2

NOTES:

1. MOUNT UNIT IN CABINET BELOW SINK OR BELOW SINK WITHOUT A CABINET.
2. RHEEM, AO SMITH, AND STBEL ELTRON ARE APPROVED ALTERNATIVE MANUFACTURERS. FOR OTHER MANUFACTURERS, FOLLOW SUBMITTAL PROCEDURE OUTLINED IN SPECS.



① PLUMBING VENT DETAIL
NO SCALE



② CLEANOUTS DETAIL
NOT TO SCALE

WEST PLAINS ENGINEERING, INC.
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 RAPID CITY, SD • SIOUX FALLS, SD • OGDEN, WY • CEDAR RAPIDS, IA • DESMOINES, IA

Project Status: 03/14/23
REVISION NUMBER:
DATE:

City of Oelwein
OELWEIN CITY HALL RENOVATION
 MGA
 MARTIN GARDNER ARCHITECTURE © 2018

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 (563) 933-4712

P201

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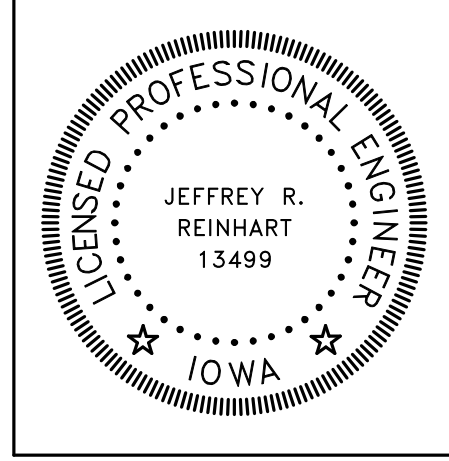
Project Status: 03/14/23	
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- ELECTRICAL SPECIFIC NOTES**
- E001 ELECTRICAL DEVICES DEMOLISHED UNDER ALTERNATE 1.
 - E002 ELECTRICAL DEVICES DEMOLISHED UNDER ALTERNATE 2.
 - E003 PROJECTOR, SPEAKERS, AND CAMERA SYSTEM DEVICES SHALL BE SALVAGED AND REINSTALLED PER NEW WORK.
 - E004 SEE RISER DIAGRAM.
 - E005 EXISTING PANEL HALL FEEDER RISES TO THE FIRST FLOOR AT ROUGHLY THIS LOCATION. CONTRACTOR TO VERIFY.

- GENERAL ELECTRICAL DEMOLITION NOTES:**
- A. UNLESS NOTED OTHERWISE ALL ITEMS IN DARK, DASHED PEN SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. ALL ITEMS IN LIGHT, SOLID PEN SHALL REMAIN.
 - B. BRANCH CIRCUIT WIRING AND CONDUIT MAY BE REUSED IF POSSIBLE. ANY CONDUITS REUSED SHALL BE PROPERLY SECURED TO THE STRUCTURE. PROVIDE NEW TYPE-WRITTEN PANEL DIRECTORIES TO REFLECT CHANGES DUE TO DEMOLITION.
 - C. COORDINATE ANY SERVICE OUTAGES AFFECTING AREAS OUTSIDE THE REMODEL AREA WITH OWNER. MAINTAIN INTEGRITY OF EXISTING CIRCUIT WIRING SERVING AREAS OUTSIDE THE REMODEL AREA. IF SPECIFIC ITEMS/DEVICES ARE TAKEN OUT OF SERVICE TEMPORARILY TO COMPLETE NEW WORK, RETURN TO SERVICE AS SOON AS POSSIBLE.
 - D. WHERE OPENINGS AND WIRING ARE ABANDONED, REMOVE WIRING BACK TO NEAREST JUNCTION BOX.
 - E. FOR FLUSH DEVICES REMOVED FROM REMAINING WALLS, COVER OPENING WITH NEW COVER PLATE.
 - F. FIRE-STOP ALL REMAINING HOLES FROM SERVICES REMOVED TO MAINTAIN FIRE RATING.

1 ELECTRICAL DEMOLITION
1/8" = 1'-0"



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Jeffrey R. Reinhart 3-14-2023
Jeffrey R. Reinhart

Iowa Registration Number: 13499
My license renewal date is December 31, 2023.
Pages or sheets covered by this seal:
E001, E101, E201, E301, E401

DEMOLITION KEY

EXISTING TO REMAIN	---
EXISTING TO BE REMOVED/REVISED	---

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City of Oelwein
OELWEIN CITY HALL RENOVATION

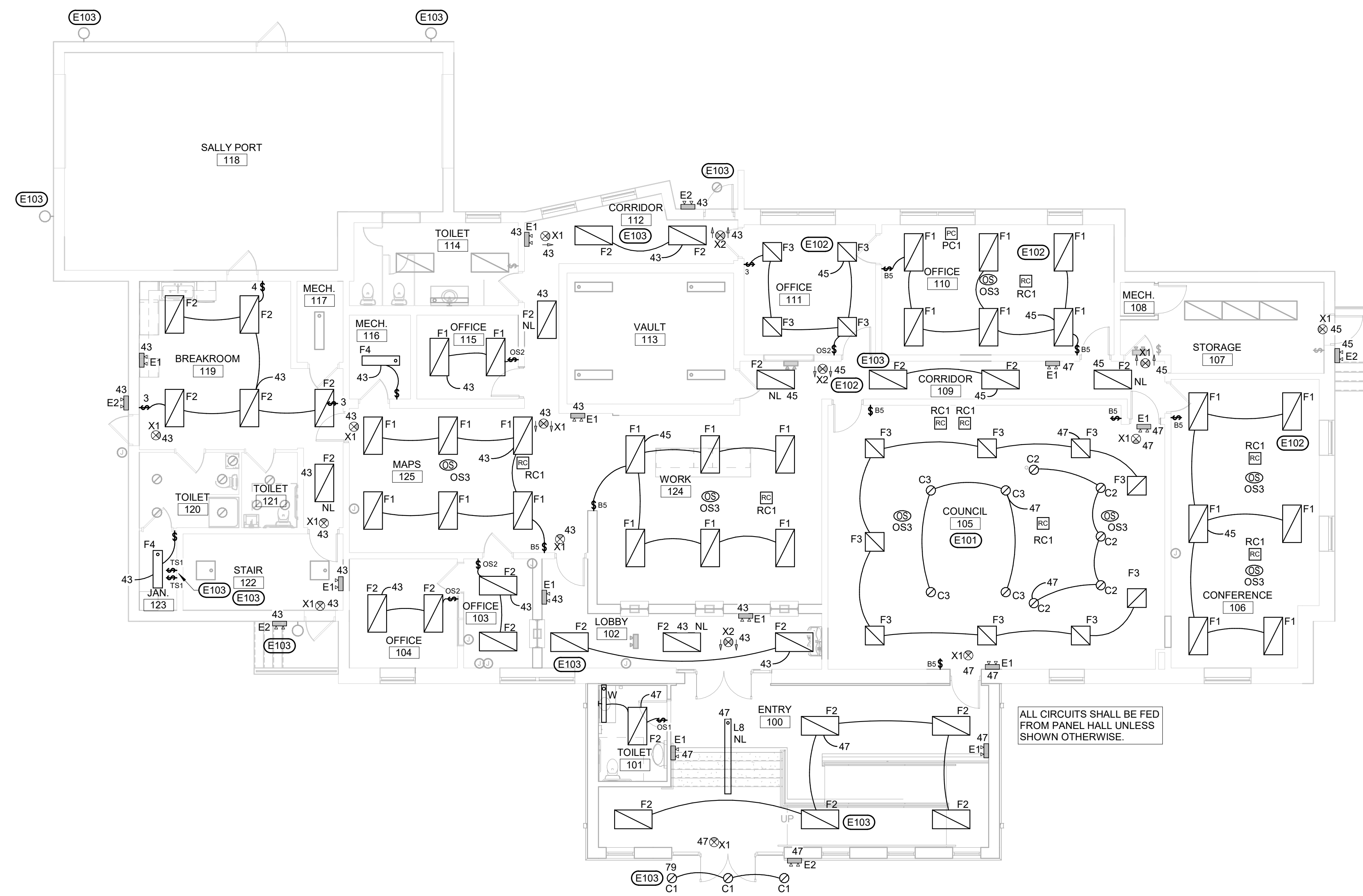


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E001
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GENERAL ELECTRICAL NOTES:

- A. COORDINATE DEVICE LOCATIONS/HEIGHTS WITH ARCHITECTURAL ELEVATIONS/DETAILS PRIOR TO ROUGH-IN.
- B. COORDINATE WORK WITH THE HVAC CONTRACTOR, AND ANY OTHER ASSOCIATED CONTRACTORS. VERIFY ALL EQUIPMENT LOADS PRIOR TO INSTALLATION OF WIRING AND DEVICES.
- C. ALL COMMUNICATION CABLES AND DEVICES ARE BY THE ELECTRICAL CONTRACTOR. PULL NEW CABLES TO EXISTING DATA RACK IN MECH. 117.
- D. BELOW IS A LIST OF SOME COMMON REQUIREMENTS OUTLINED IN THE SPECIFICATION. REFER TO THE SPECIFICATION FOR MORE DETAILED INFORMATION FOR THESE AND ALL OTHER ITEMS.
 - 1. CONDUIT PENETRATIONS THROUGH WALLS SHALL BE SEALED.
 - 2. EMT FITTINGS SHALL BE SET SCREW TYPE. MINIMUM CONDUIT SIZE SHALL BE 1/2".
 - 3. BOXES FLUSH IN COMMON WALL SHALL NOT BE BACK-TO-BACK OR THROUGH-WALL TYPE.
 - 4. RECEPTACLES AND SWITCHES SHALL BE 20 AMP COMMERCIAL GRADE CONDUITS, JUNCTION BOXES, WIRING, AND EQUIPMENT SHALL BE LABELED PER NEC.
 - 5. PROVIDE A GREEN GROUND CONDUCTOR THROUGHOUT ALL NEW ELECTRICAL WORK.
 - 6. PROVIDE SEPARATE NEUTRAL FOR EACH ELECTRICAL PHASE.
- E. EXIT SIGNS AND EMERGENCY FIXTURES SHALL BE CONNECTED TO UNSWITCHED PORTION OF LIGHTING CIRCUIT.
- F. ALL SECURITY CABLES AND DEVICES SHALL BE ROUGH-IN ONLY.

ELECTRICAL SPECIFIC NOTES

- E101 NEW WORK DONE UNDER ALTERNATE 1.
- E102 NEW WORK DONE UNDER ALTERNATE 2.
- E103 SEE LIGHTING CONTROL DETAIL.

① NEW LIGHTING
1/8" = 1'-0"

ALL CIRCUITS SHALL BE FED FROM PANEL HALL UNLESS SHOWN OTHERWISE.

LIGHTING/SWITCHING KEY	
X#	LIGHT FIXTURE TYPE PER LIGHT FIXTURE SCHEDULE
EM	EMERGENCY LIGHT FIXTURE
NL	NIGHT LIGHT FIXTURE
#	PANEL CIRCUIT NUMBER
#F	HEIGHT TO CENTER OF FIXTURE OR SWITCH ABOVE FINISHED FLOOR (AFF) FOR SWITCHES IF NOT SHOWN
X	SWITCHING SCHEME

NEW WORK KEY	
NEW WORK	_____
EXISTING TO REMAIN	_____

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LIGHTING PLAN

City of Oelwein
OELWEIN CITY HALL RENOVATION



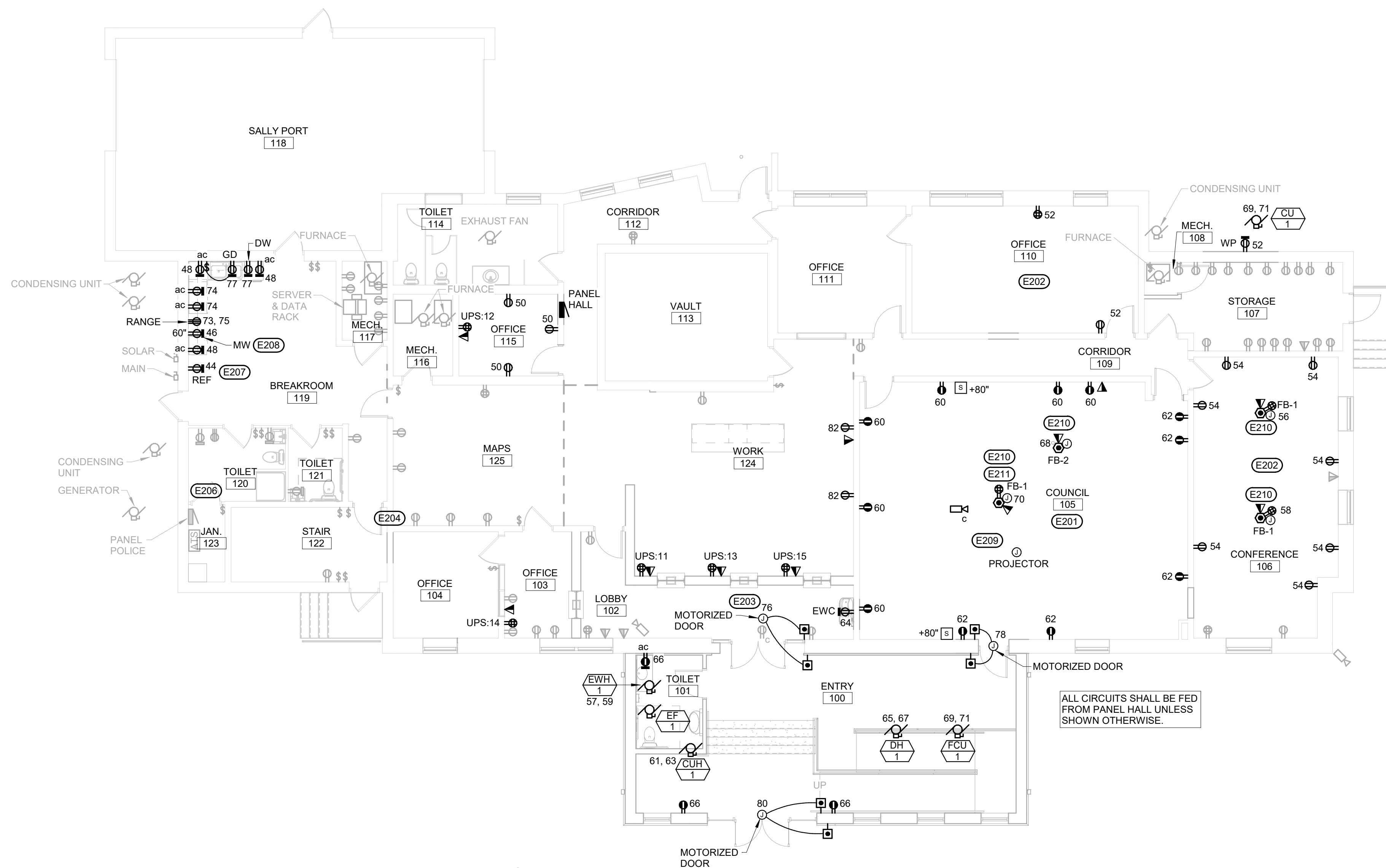
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E101

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GENERAL ELECTRICAL NOTES:

- A. COORDINATE DEVICE LOCATIONS/HEIGHTS WITH ARCHITECTURAL ELEVATIONS/DETAILS PRIOR TO ROUGH-IN.
- B. COORDINATE WORK WITH THE HVAC CONTRACTOR, AND ANY OTHER ASSOCIATED CONTRACTORS. VERIFY ALL EQUIPMENT LOADS PRIOR TO INSTALLATION OF WIRING AND DEVICES.
- C. ALL COMMUNICATION CABLES AND DEVICES ARE BY THE ELECTRICAL CONTRACTOR. PULL NEW CABLES TO EXISTING DATA RACK IN MECH. 117.
- D. BELOW IS A LIST OF SOME COMMON REQUIREMENTS OUTLINED IN THE SPECIFICATION. REFER TO THE SPECIFICATION FOR MORE DETAILED INFORMATION FOR THESE AND ALL OTHER ITEMS.
 - 1. CONDUIT PENETRATIONS THROUGH WALLS SHALL BE SEALED.
 - 2. EMT FITTINGS SHALL BE SET SCREW TYPE. MINIMUM CONDUIT SIZE SHALL BE 1/2".
 - 3. BOXES FLUSH IN COMMON WALL SHALL NOT BE BACK-TO-BACK OR THROUGH-WALL TYPE.
 - 4. RECEPTACLES AND SWITCHES SHALL BE 20 AMP COMMERCIAL GRADE CONDUITS, JUNCTION BOXES, WIRING, AND EQUIPMENT SHALL BE LABELED PER NEC.
 - 5. PROVIDE A GREEN GROUND CONDUCTOR THROUGHOUT ALL NEW ELECTRICAL WORK.
 - 6. PROVIDE SEPARATE NEUTRAL FOR EACH ELECTRICAL PHASE.
- E. EXIT SIGNS AND EMERGENCY FIXTURES SHALL BE CONNECTED TO UNSWITCHED PORTION OF LIGHTING CIRCUIT.
- F. ALL SECURITY CABLES AND DEVICES SHALL BE ROUGH-IN ONLY.

ELECTRICAL SPECIFIC NOTES

- E201 NEW WORK DONE UNDER ALTERNATE 1.
- E202 NEW WORK DONE UNDER ALTERNATE 2.
- E203 EXISTING UPS PANELBOARD IS LOCATED IN THE BASEMENT BELOW HERE.
- E204 EXISTING PANEL HALL FEEDER RISES TO THE FIRST FLOOR AT ROUGHLY THIS LOCATION. CONTRACTOR TO VERIFY.
- E206 EXISTING MDP IS LOCATED IN THE BASEMENT BELOW HERE.
- E207 REFRIGERATOR: BREAKER IN PANEL SHALL BE GFCI & AFCI (COMBO) TYPE TO ALLOW DEVICE IF TRIPPED TO BE RESET.
- E208 MICROWAVE: BREAKER IN PANEL SHALL BE GFCI & AFCI (COMBO) TYPE TO ALLOW DEVICE IF TRIPPED TO BE RESET.
- E209 EXTEND CABLES AND REINSTALL EXISTING PROJECTOR, SPEAKERS, AND CAMERA SYSTEM DEVICES IN NEW CEILING AS BEFORE.
- E210 FLOOR BOXES SHALL BE ON-GRADE TYPE. CONTRACTOR TO VERIFY BOX SITS ON GRADE AND DOES NOT RESIDE ABOVE CRAWL SPACE.
- E211 FLOOR BOX SHALL HAVE POWER AND DATA WHIP THAT INTERCEPTS EXISTING CASEWORKS POWER AND DATA RACEWAY.

1 NEW-POWER AND COMMUNICATION
1/8" = 1'-0"

COMMUNICATIONS KEY	
ⓧ	COMMUNICATIONS OUTLET
ⓧV	QUANTITY OF VOICE JACKS/CABLES (ONE IF NOT SHOWN)
ⓧD	QUANTITY OF DATA JACKS/CABLES (ONE IF NOT SHOWN)
ⓧR	ROUGH-IN ONLY (NO CABLES/JACKS)
ⓧH	HEIGHT TO CENTER OF OUTLET (IF UNLESS NOTED OTHERWISE)
ⓧT	TELEVISION OUTLET WITH ONE CABLE/JACK

NEW WORK KEY	
—	NEW WORK
—	EXISTING TO REMAIN

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POWER AND COMMUNICATION

City of Oelwein
OELWEIN CITY HALL RENOVATION

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E201
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