# STATE OF ALASKA DEPARTMENT OF NATIONAL RESOURCES PMC SEED HOUSE ADDITION

PALMER, ALASKA

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6. ELECTRICAL E001 LEGEND, NOTES, AND SCHEDULES E002 INTERIOR ELECTRICAL PLANS E003 SITE POWER & HEATING CABLE

## **ALASKA MAP GENERAL SYMBOLS** SEE DISCIPLINES FOR SPECIFIC SYMBOLS PROJECT LOCATION ARCTIC OCEAN NUMBER SHEET LOCATION -<del>-</del>≻A101 / 1/8" = 1'-0" PRUDHOE BAY SCALE TRUE NORTH PLAN NORTH **GRID LINE** FAIRBANKS CEAGLE REVISION NORTH \_ O DAWSON YT **ROOM NAME** Room name **ROOM NUMBER** <del>-</del>101 **ó**GLENNALLEN WHITEHORSE YT ANCHORAGE A **BERING** SEA PACIFIC OCEAN

## **VICINITY MAP**



## **PROJECT TEAM**

OWNERS REPRESENTATIVE STATE OF ALASKA DNR POINT OF CONTACT: CASEY DINKEL 550 WEST 7TH AVENUE ANCHORAGE, AK 99501 907 745-8108 / 907-982-7959 casey.dinkel@alaska.gov

**DESIGNERS REPRESENTATIVE DESIGN ALASKA** POINT OF CONTACT: JOHN ROWE 601 COLLEGE ROAD FAIRBANKS, AK 99701 907 452-1241 johnr@designalaska.com

PMC SEED HOUSE **ADDITION** 

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**GENERAL** INFORMATION

G010

## **CODE INFORMATION 1 OF 2**

PROJECT NAME: PMC SEED HOUSE ADDITION

**AUTHORITY HAVING** JURISDICTION (AHJ):

State of Alaska

GOVERNING CODE:

International Existing Building Code (IEBC) 2021
International Building Code (IBC) 2021
International Fire Code (IFC) 2021
International Mechanical Code (IMC) 2021 National Electrical Code (NEC)

• Uniform Plumbing Code (UPC) 2018

PROJECT DESCRIPTION:

Construction of addition to accommodate office, tools, restroom and mechanical room. The addition will be connected to the existing plant material warehouse and share occupancy.

CHAPTER	REFERENCE	APPLICATION / REQUIREMENT	SUPPORT / NOTES / CALCULATIONS
IEBC Chapter 3 Provisions for All Compliance	Accessibility for Existing Buildings Section 305	Alterations shall comply with Chapter 11 of the IBC unless Technically infeasible.	Per 305.6
Methods		The route to the primary function (work area) shall be accessible including toilet facilities and drinking fountains.	Per 305.7
		Accessible means of egress required by Chapter 10 of the IBC are not required to be provided in existing facilities.	Per 305.6(2)
IEBC Chapter 6 Classification of Work	Alteration - Level 2 Section 604	Per Section 603.1 Level 2 alterations apply where the work area is less than 50 percent of the building area. Per 603.2, Level 2 alterations shall comply with Chapters 7 & 8.	Addition = 900 SF / 8,900 SF = 10% < than 50%
	Change of Occupancy Section 605	Per 605.2 Changes of occupancy shall comply with Chapter 10.	No change on occupancy classification.
	Additions Section 606	Per 606.2 Additions to existing buildings shall comply with Chapter 11.	
IEBC Chapter 7 & 8 Levels 1 & 2 Alterations	General Section 801	Per 801.3 Compliance, New construction elements, components, systems and spaces shall comply with the requirements of the IBC. Applicable Exceptions:  2. Newly installed electrical equipment shall comply with section 807  3. The length of dead end corridors in newly constructed spaces shall only be required to comply with section 805.6  4. The minimum ceiling height shall be 7'.  6. New structural members and connections shall comply with Section 302.	
IEBC Chapter 10 Change of Occupancy	General Section 1001	Per 1001.2 A change of occupancy shall not be made to any structure without the approval of the code official.	No change on occupancy classification.
	Change of Occupancy Classification Section 1011	Per 1011.1.1.1 Where a portion of an existing building is changed to a new occupancy classification and that portion is not separated from the remainder of the building, the entire building shall comply with the requirements of chapter 9 applied throughout the building for the most restrictive occupancy classification in the building.	No change on occupancy classification.
IEBC Chapter 11 Additions	General Section 1101	Per 1101.1 An addition to a building shall comply with the International Codes for new construction.  Per 1101.2 An addition shall not create or extend any nonconformity in the existing building.	Building complies.
	Heights and Areas Section 1102	Per 1102.1 & 1102.2 An addition shall not increase the height or area of an existing building beyond that permitted by the IBC for new buildings.	Building complies.
	Structural Section 1103	Per 1103.1 Any existing gravity load carrying structural element for which an addition cause an increase in design dead, live or snow load, including snow drift effects, of more than 5% shall be replaced or altered as needed to carry the gravity loads required by the IBC for new structures.  Per 1103.2 Where the addition is structurally independent of the existing structure, existing lateral load carrying structural elements shall be permitted to remain unaltered. Where the addition is not structurally independent of the existing structure and its addition acting together shall meet the requirements of Sections 1609 and 1613 of the IBC using full seismic forces.	

CHAPTER	REFERENCE	APPLICATION / REQUIREM		SUPPORT / NOTES / CALCULATIONS		
Use and Occupancy Classification Sections 306 Classification		F-1 - Factory, Seed Cleaning a Separation		Factory Industrial Group F occupancy includes, among others, the use of a building, for packaging, or processing operations that are not classified as a Group H hazardous or Group S storage occupancy.  Group F-1 for seed cleaning and group S-1 for storage of incoming seed for cleaning. Group B is accessory to F-1 occupancy.		
		S-1 Moderate Hazard Storage, of grass seed.	storage			
		B - Business, office				
IBC Chapter 4 Special Detailed Requirements	Section 414 Section 426	414.1.3 Maximum expected qu hazardous material	antities of	See attached explar	nation letter.	
Based on Use and Occupancy		426 Combustible dusts, Grain լ and Storage	processing	Not applicable, see	report.	
		426.1.4 Explosion control. Explosion control shall be provisive specified in the International Filtor spaces shall be equipped with equivalent mechanical ventilation complying with the International Mechanical Code.	re Code, th the on	Dust collection provided documentation.	ided to exterior of facility. See provided dust collection	
IBC Chapter 5	Building Height Limitations	Type V-B Construction per Ch	apter 6			
General Building	Section 503	OCC ALLOWABLE	•	ACTUAL		
Heights and Areas	Section 504 Table 504.3	F-1 40'-0", 1 Stories		23'-0", 1 Story		
	Table 504.4	B 60'-0", 3 Stories		12'-0", 1 Story		
		S-1 50'-0", 2 Stories		22'-0", 1 Story		
	Building Area Limitations	OCC ALLOWABLE		ACTUAL	Allowable areas are per story based on Table 504.4 and	
	Section 503	F-1 8,500 SF		See Building Area	as defined in Chapter 2	
	Section 506 Table 506.2			Modifications		
		B 36,000 SF		Section 506 for total areas per		
	Building Area Modifications	S-1 36,000 SF		floor and overall 506.3 Frontage & S		
		Group F-1 Occupancy Group B Occupancy Group S-2 Occupancy  Actual Floor Area	4,000 SF 900 SF 4,000 SF	W=Width of public v	00x0.75]= <b>14,875</b> 25)W/30 80/30= <b>0.75</b> He to frontage er which fronts public way or open space - 20' min width	
	Accessory Occupancy Section 508.2	Group B, office is accessory t Factory, see calculation.	o the F-1	562.5/8900 = 6.3%	< 10%	
	Separated Occupancy Section 508.3	The code applies to each porting building based on its occupant most restrictive provision of Chapter which apply to the occupancies shall apply to the separated occupancy area.	cy. The napter 9 ted	No separation is rec	quired between F-1 and S-1 per table 508.4	
IBC Chapter 6 Types of	Fire-Resistance Rating for Building Elements	BUILDING ELEMENT	Type V-B			
Construction	Table 601	Primary structural frame	0			
		Interior bearing walls Exterior bearing walls				
		Nonbearing walls and partitions 0  Floor construction and secondary members 0				
		Roof construction and secondary members	0			
	Fire-Resistance Rating for Exterior Walls Based on	Occupancy Fire separation dis	stance Type	Required rating		
	Fire Separation Distance	F-1, B, 10 ≤ X > 30	V-B	0		



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PMC SEED HOUSE ADDITION

10 JUL 2025

CODE INFORMATION

CHAPTER	REFERENCE	APPLICA <sup>-</sup>	TION / REQUIRI	EMENT		SUP	PORT / NO	TES / CALCULATI	ONS
IBC Chapter 7 Fire and Smoke Protection Features	Maximum Area of Exterior Wall Openings Table 705.8	Not required	d		Fire Separation I 30' or greater	Distance		Opening Protection ted, Nonsprinklered	+
	Fire Walls Section 706	None requir	red						
	Fire Barrier Section 707		red, Non separat s section 508.3	e					
	Fire Partitions Section 708	None requir	red				_		
IBC Chapter 8 Interior Finishes	Table 803.11 Section 804	F-1 B	F-1 A, B or C B A or B		Rooms Walls/Ce A, B or C A, B or C A, B or C	eilings	Corridor II II	Radia Radia	<u>Floors</u> nt Flux > 1w/sq cm nt Flux > 1w/sq cm nt Flux > 1w/sq cm
Systems Section 903 2. Not app			913.2.4 1. Group F-1 fire area = 8,900 < 12,000 SF, building complies 2. Not applicable. 3. Group F-1 fire areas < 24,000 SF, building complies						
	Fire Extinguishers Section 906	Extinguishers required throughout in accordance with this section & NFPA 10			Per 906.1&2				
	Fire Alarm and Detection Systems Section 907		and automatic s I in Group F-1	moke alarms		than two		kisting building com existing building co	
IBC Chapter 10	Occupant Load	Function of	Space	Load Factor	Applicable Area	Occupa	ıncy Load		
Means of Egress	Table 1004.5	Seed Clean	ing	300 gross	4,000 sf	1:	3.3		
		Storage		300 net	4,000 sf	1	3.3		
		Business A	reas	150 gross	900 sf		6		
		Total for Building					33		
	Doors Section 1010	shall be pive providing a	ng a means of e oted or side-hing minimum height of 32" when ope	ge type of 80" and			·		
	Exit Signs Section 1013	Exits and exit access doors shall be marked in accordance with this section							
	Common Path of Egress Travel Table 1006.2.1		ath shall not exc ncy and 100' for '-2"		Building complies				
	Exit Access Travel Distance Table 1017.2	Travel distance shall not exceed 200' for F-1, B occupancies and 300' for S-2 occupancies without sprinkler. Actual = 79'-5"			Building complie	S			
	Corridors	Minimum cl	lear width of 36"	required	Per Table 1020.3	s, occupa	nt load less	than 50.	
	Section 1020	Maximum d	lead end of 20' -0"		Building complies	_ <del></del>			
	Number of Exits and	Floor Level	Required	Provided					
	Exit Configuration Section 1006	1	1 for F-1 and B, 2 for S-2	6					



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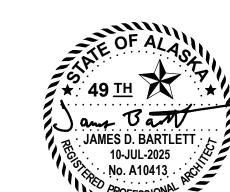
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CODE INFORMATION

G101







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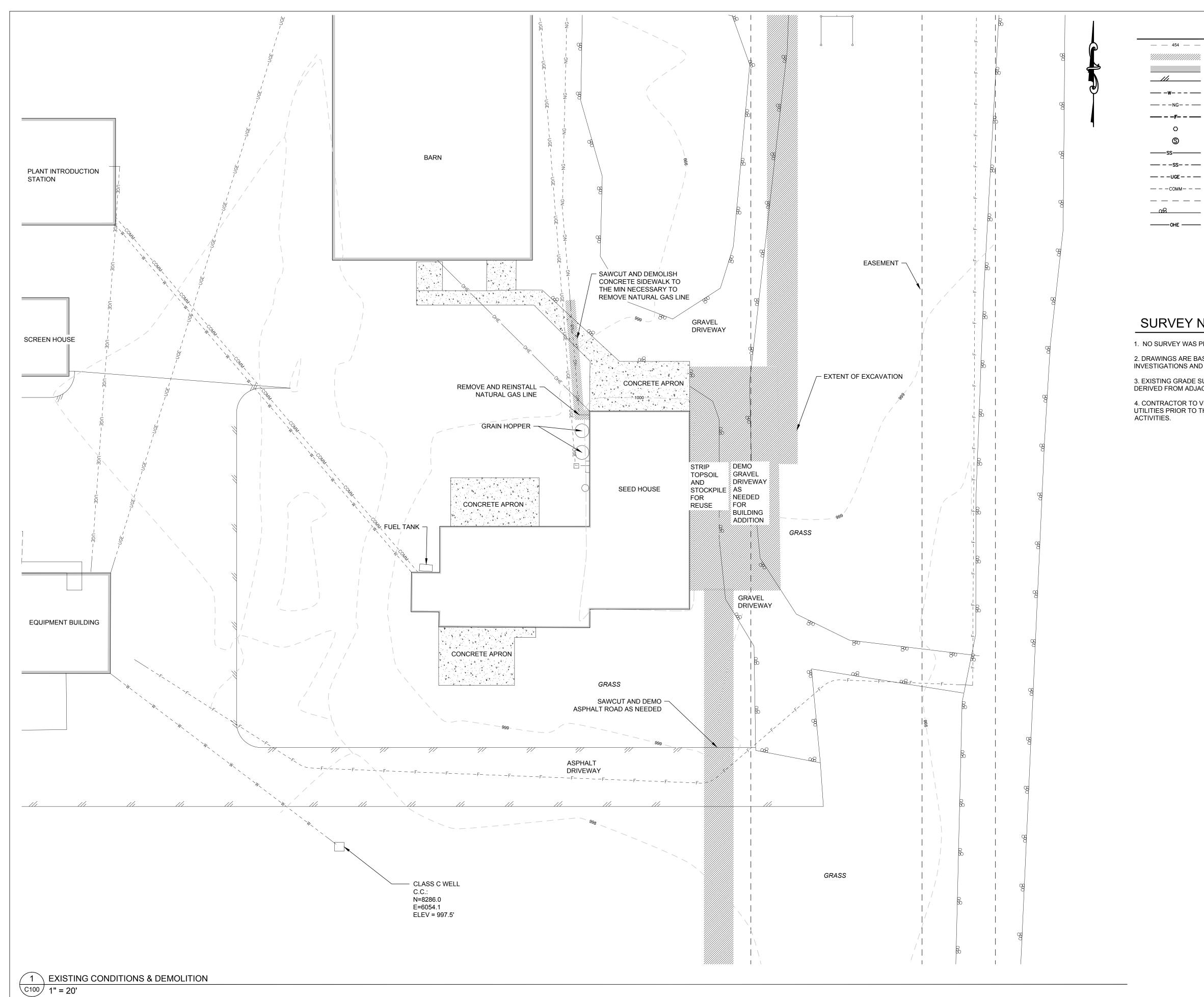
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CODE PLAN - 1ST FLOOR



## LEGEND

EXISTING CONTOURS — — 454 — — DEMOLITION STRUCTURE EDGE OF ASPHALT PAVEMENT UNDERGROUND WATER LINE -------NATURAL GAS — - -NG- - — UNDERGROUND FUEL LINE — - -F- - — 0 SEWER CLEANOUT S SEWER MANHOLE ABOVE GROUND SEWER LINE ----ss-----UNDERGROUND SEWER LINE — - -UGE - - — UNDERGROUND POWER LINE — - -comm- - — UNDERGROUND COMMUNICATION LINE EASEMENT GRAVEL OVER HEAD ELECTRICAL

## **SURVEY NOTES**

1. NO SURVEY WAS PERFORMED FOR THIS PROJECT

2. DRAWINGS ARE BASED ON AERIAL IMAGERY SITE SURFACE INVESTIGATIONS AND AVAILABLE AS BUILTS.

3. EXISTING GRADE SURFACE & ASSOCIATED ELEVATIONS WERE DERIVED FROM ADJACENT PROJECT AS-BUILTS.

4. CONTRACTOR TO VERIFY LOCATION OF ANY BELOW GROUND UTILITIES PRIOR TO THE COMMENCEMENT OF EARTHWORK

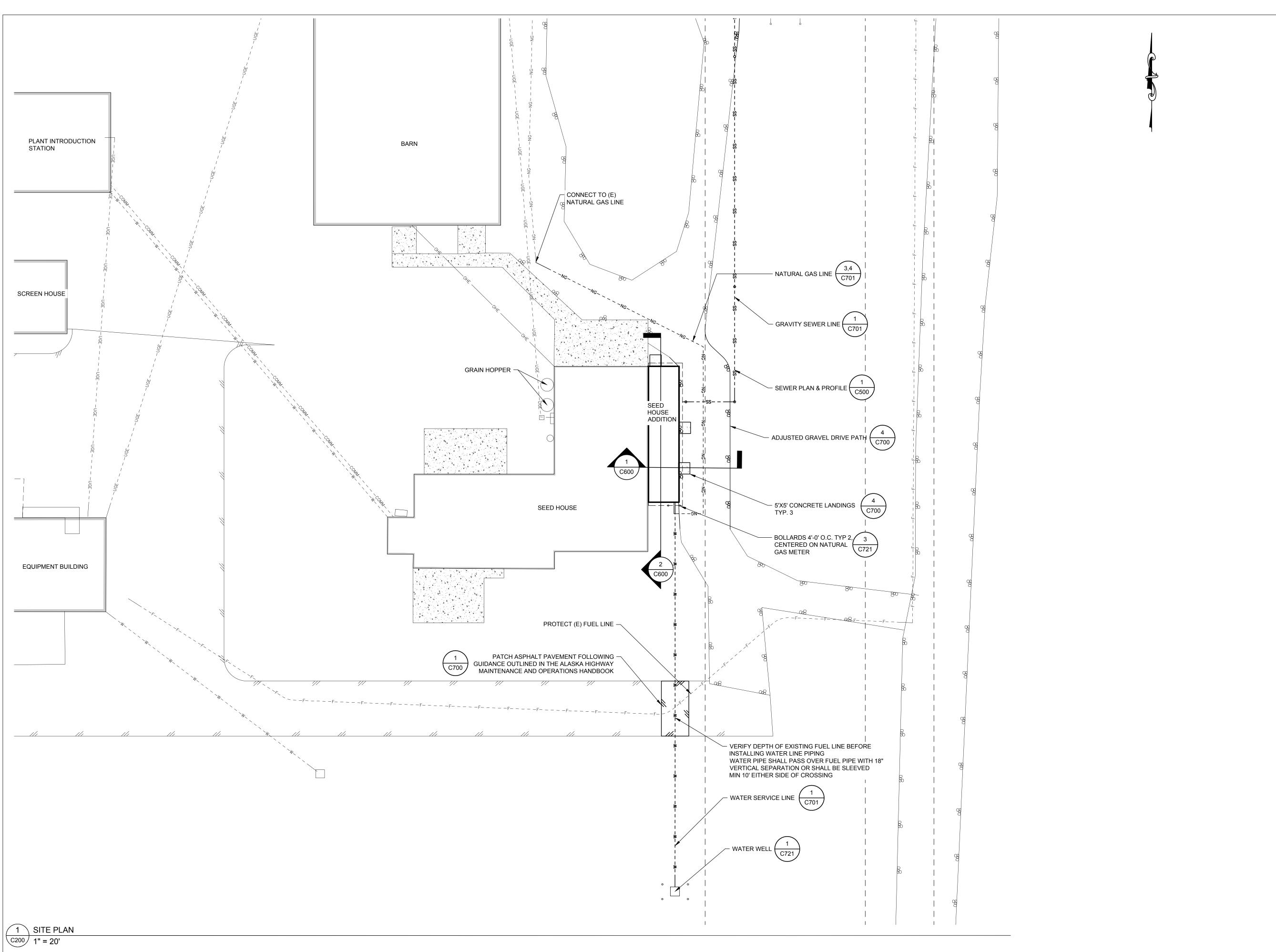
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**EXISTING** CONDITIONS & DEMOLITION



**Design** Alaska

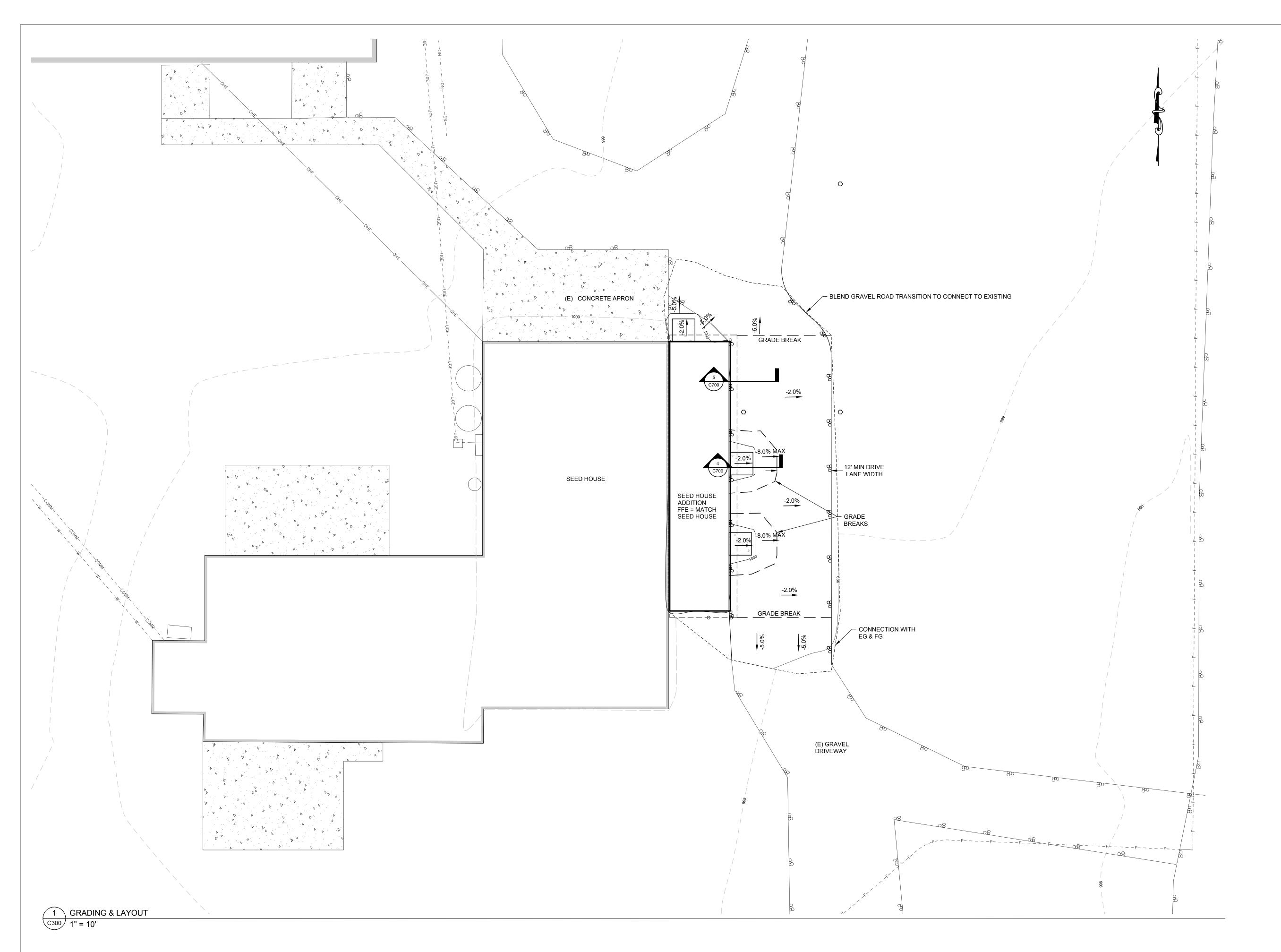
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DESIGNED BY IAL
DRAWN BY ALJ
SCALE 0" 1"

SITE PLAN



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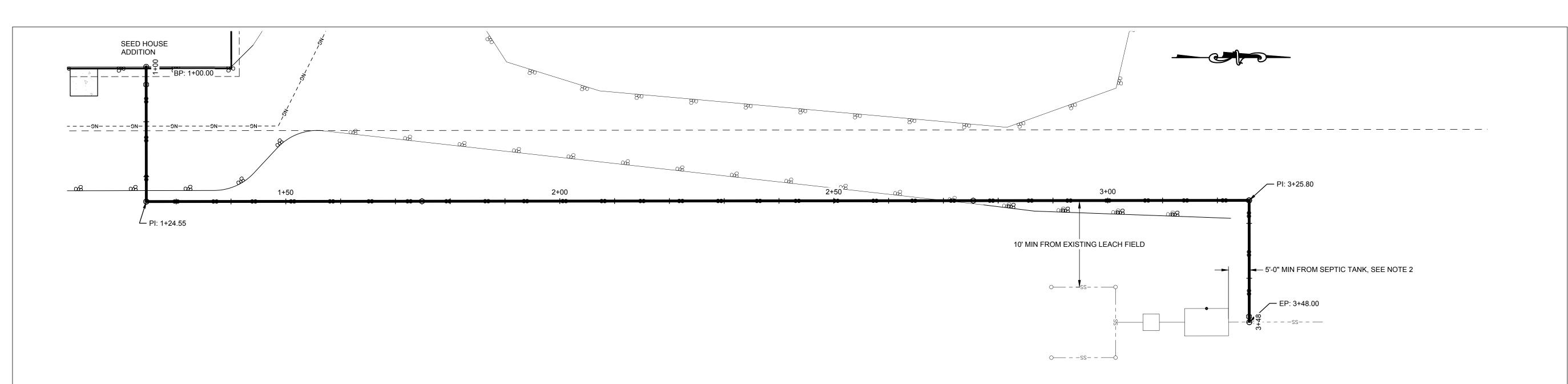
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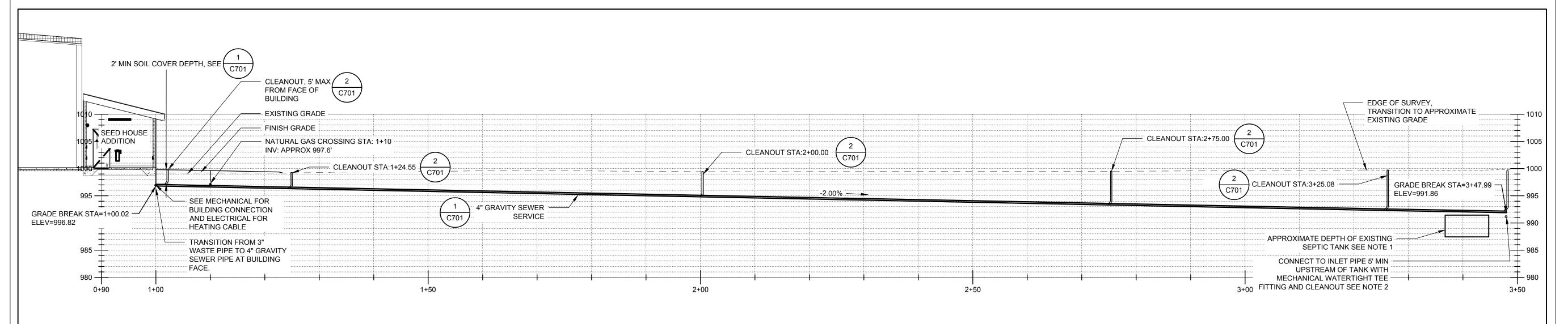
GRADING & LAYOUT





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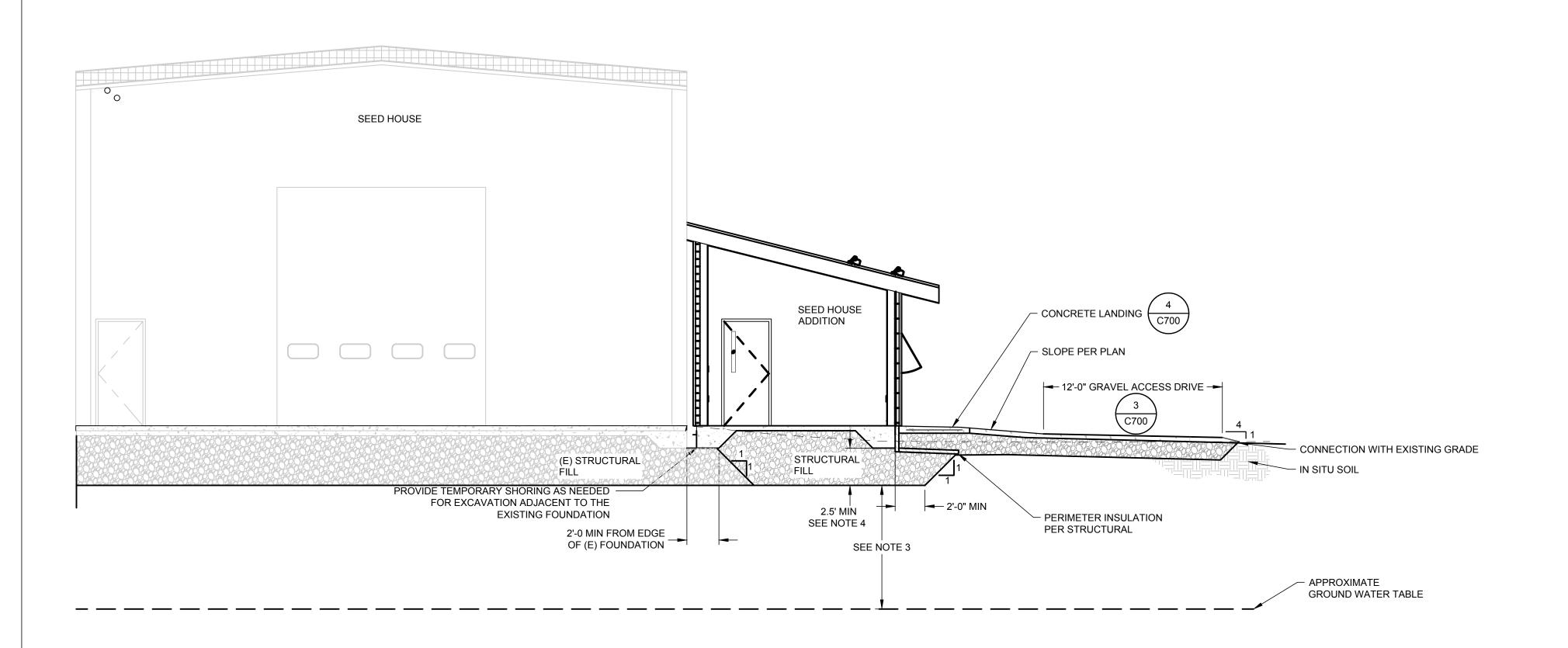
1 SANITARY SEWER PLAN AND PROFILE C500 H:1"=10', V: 1"=10'

## **GENERAL NOTES**

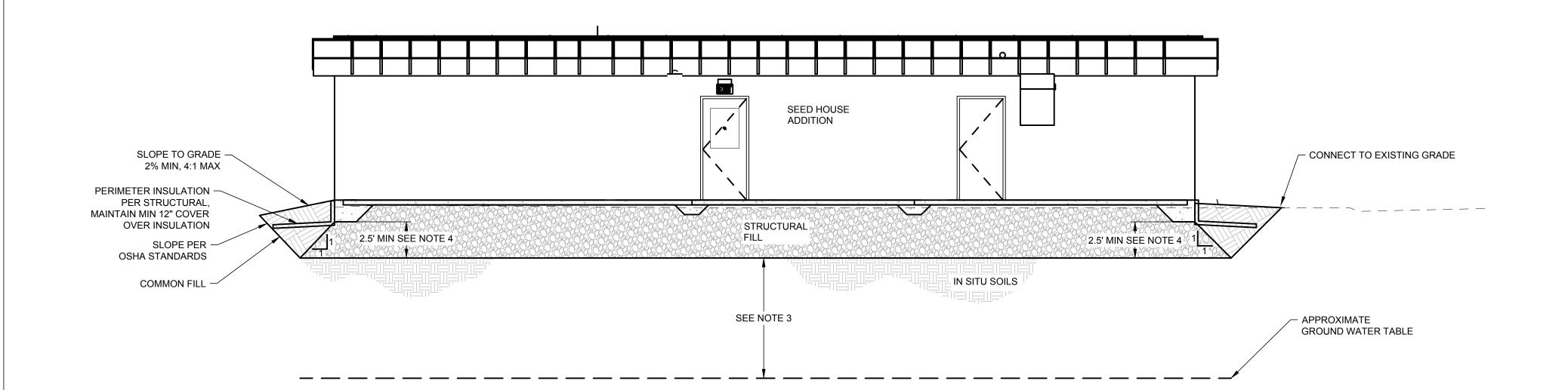
- EXISTING SEPTIC TANK IS 1000 GAL. LOCATION IS APPROXIMATELY SHOWN BASED OFF SITE PHOTOS AND AERIAL IMAGERY. TOP OF THE TANK IS MEASURED 8' FROM EXISTING GRADE AND 12' TO THE BOTTOM OF TANK.
- 2. INVERT OF EXISTING UPSTREAM WASTE PIPE IS ASSUMED TO BE 4" IN SIZE AND 6"
  BENEATH TOP OF TANK. CONTRACTOR TO FIELD VERIFY AT TIME OF EXCAVATION. PIPE
  SLOPE MAY BE ADJUSTED ALONG ALIGNMENT, NO LESS THAN 1.5% AND NO GREATER
  THAN 8%, AS NEEDED TO CONNECT TO THE EXISTING WASTE PIPE EXCEPT WITHIN 10'
  IMMEDIATELY PRECEDING THE SEPTIC TANK WHERE SLOPE MAY NOT EXCEED 2%.
- 3. DISTANCE BETWEEN CLEANOUTS SHALL NOT EXCEED 100' FOR A STRAIGHT RUN OF PIPE. ADJUST NUMBER OF CLEANOUTS AS NECESSARY.

•		•
ISSUE DATE		10 JULY 2025
COMM. NUMB	ER	862501
DESIGNED BY	′	IAL
DRAWN BY		AJM
SCALE	0" ├─	1"
-1		+

SANITARY SEWER PLAN AND PROFILE







NORTH SOUTH EXCAVATION SECTION
1" = 5'

**EXCAVATION NOTES** 

- EXCAVATION SLOPES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THEIR COMPETENT PERSON. SLOPE ALL EXCAVATIONS SUFFICIENTLY OR PROVIDE SHORING TO ENSURE A STABLE BANK.
- 2. THE BORING ENCOUNTERED ORGANIC AND SILT-RICH SOILS IN THE UPPER 2.5 FT. REMOVE THE SILT-RICH SOILS BENEATH THE PROPOSED ADDITION AND WITHIN THE FOUNDATION INFLUENCE ZONE AND REPLACE WITH COMPACTED FILL.
- 3. GROUNDWATER WAS OBSERVED AT A DEPTH OF 10.8 FT BGS DURING EXPLORATORY DRILLING JUNE 2025.
- 2.5 FT DEEP EXCAVATION IS ANTICIPATED TO EXPOSE SUITABLE SOILS AT THE FOUNDATION LOCATION. LOCALIZED AREAS OF DEEPER SILTY SOILS MAY BE ENCOUNTERED AND SHALL BE REMOVED.

**Resign** Alaska

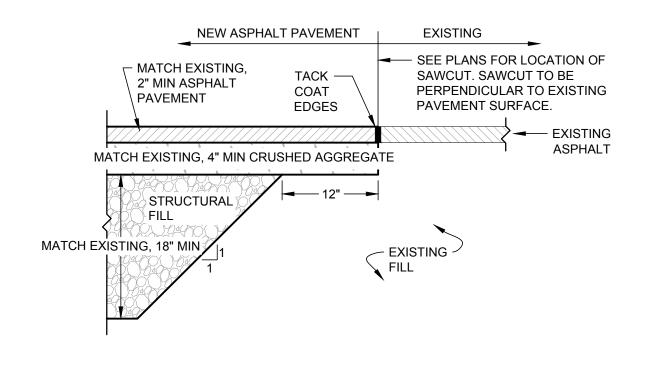
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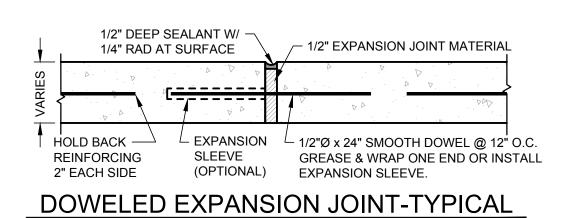
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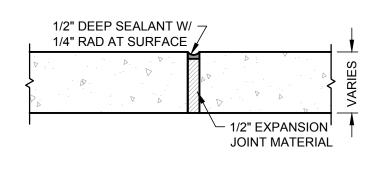
EXCAVATION SECTIONS



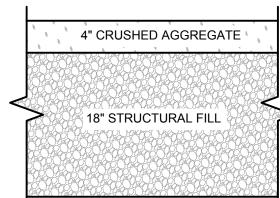
1 NEW TO EXISTING PAVEMENT

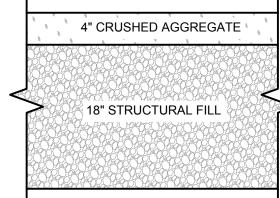
C700 NO SCALE





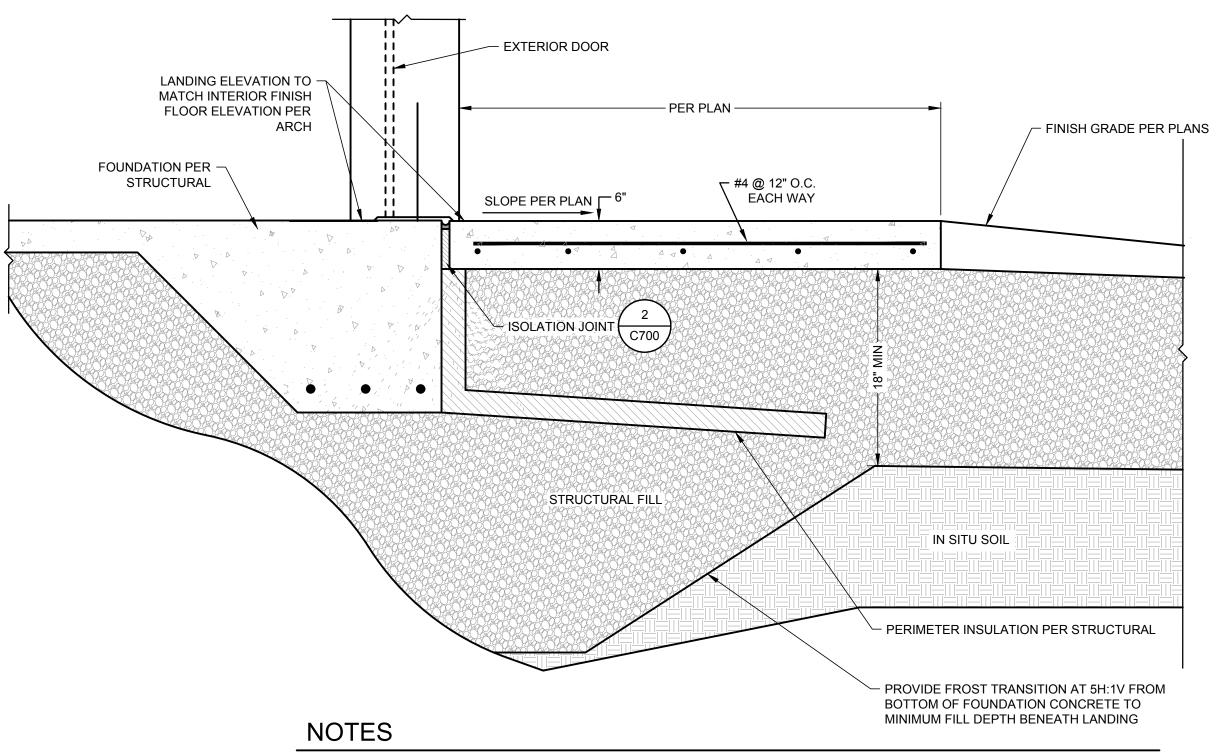
**ISOLATION JOINT-TYPICAL** 





2 ISOLATION JOINT C700 NO SCALE

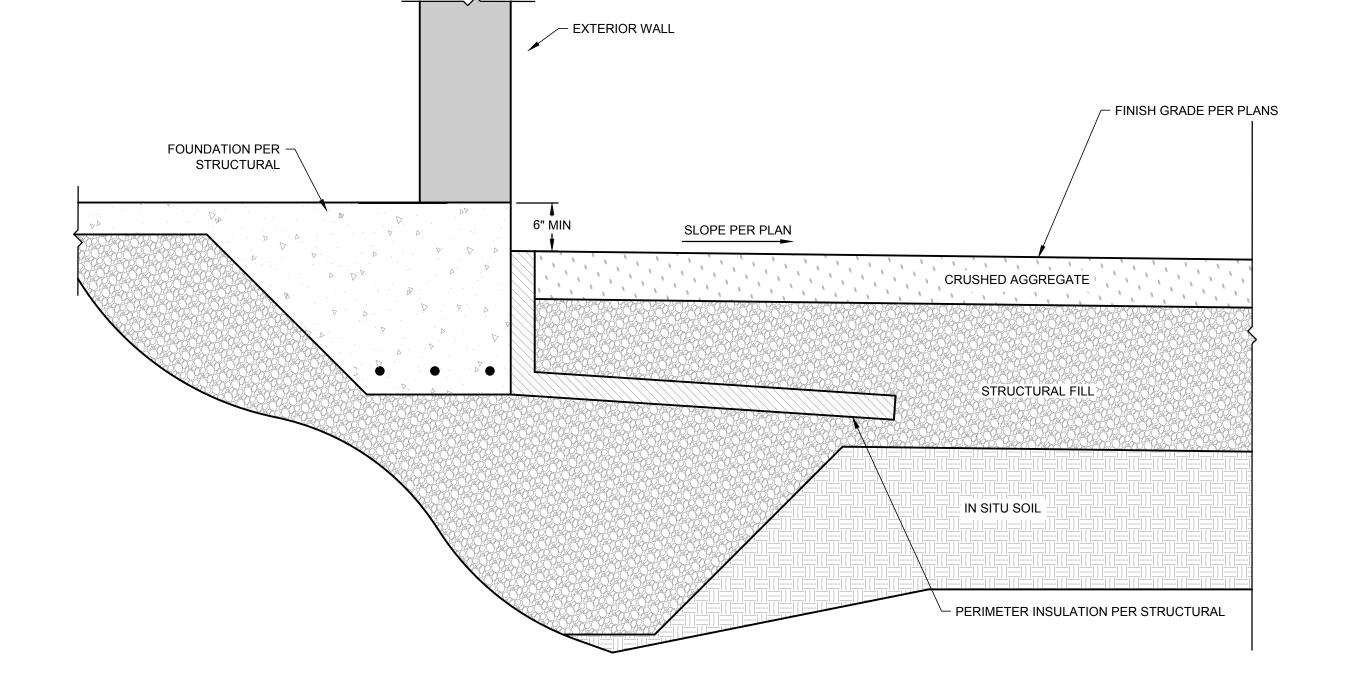
3 GRAVEL ROAD SECTION C700 NO SCALE







C700 NO SCALE



5 GRADE AT BUILDING

C700 NO SCALE

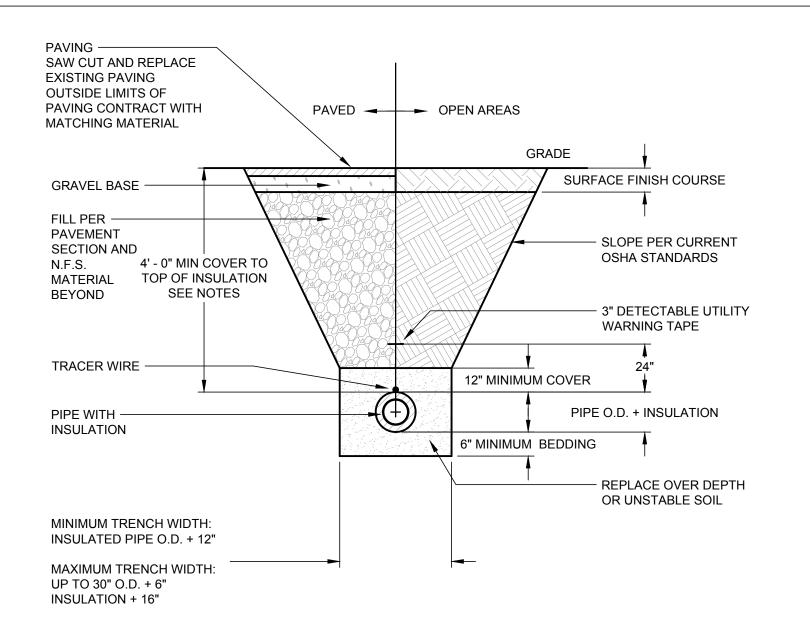
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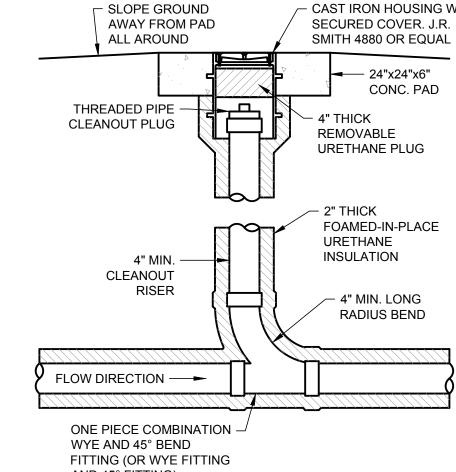
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SITE **IMPROVEMENT DETAILS** 



### NOTES

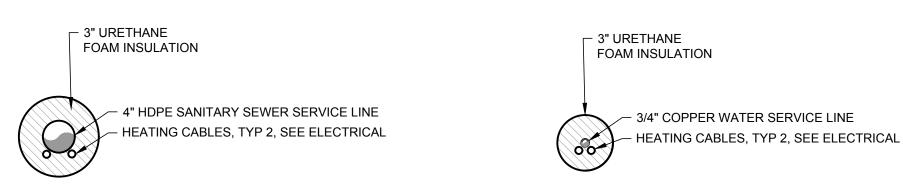
- 1. INSTALLATION PROCEDURES SHALL BE AS SPECIFIED BY THE DIRECT BURY PIPE MANUFACTURER.
- 2. FOR NON-PAVING AREAS, BACKFILL MATERIAL ABOVE THE PIPE BEDDING.
- 3. SHEETING AND SHORING SHALL BE AS REQUIRED PER OSHA STANDARDS.
- 4. USE 3" DETECTABLE MARKING TAPE, BURIED 24" ABOVE UPPER SURFACE OF PIPE INSULATION. GREEN = SANITARY SEWER, BLUE = WATER DISTRIBUTION.
- 5. KEEP TRENCH FREE OF WATER DURING BACKFILL
- 6. WHERE NEEDED, UP TO TWO FEET OF THE REQUIRED SOIL COVER MAY BE SUBSTITUTED WITH INSULATION FOR THE SANITARY SEWER SERVICE. 2" OF RIGID FOAM BOARD INSULATION SHALL BE USED FOR EACH FOOT OF COVER. SOIL COVER MAY NOT BE REDUCED TO LESS THAN 2 FEET.



CAST IRON HOUSING WITH

AND 45° FITTING)

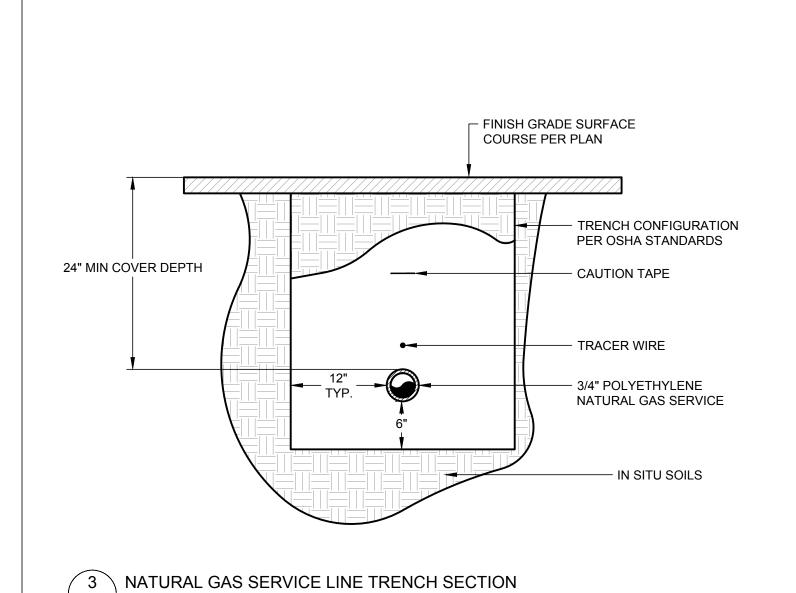
2 CLEANOUT C701 NO SCALE



WATER SERVICE PIPE SECTION

\ DIRECT BURIED UTILITY PIPING SECTION C701 NO SCALE

**GRAVITY SEWER PIPE SECTION** 



- EXTERIOR **BUILDING WALL** - STEEL PIPING - HDPE TO STEEL FITTING TO CONNECT TO BUILDING PIPING PER MECHANICAL **BUILDING INTERIOR** BY CONTRACTOR BY UTILITY ANCHOR TO WALL. LOCATE PIPE TO — CONNECT TO BUILDING PIPING ─ FINISH GRADE DETECTABLE WARNING TAPE SEE TRENCH  $\frac{3}{C701}$ HDPE TO STEEL PIPE ANODELESS RISER TRANSITION

C701 NO SCALE

4 NATURAL GAS SERVICE RISER

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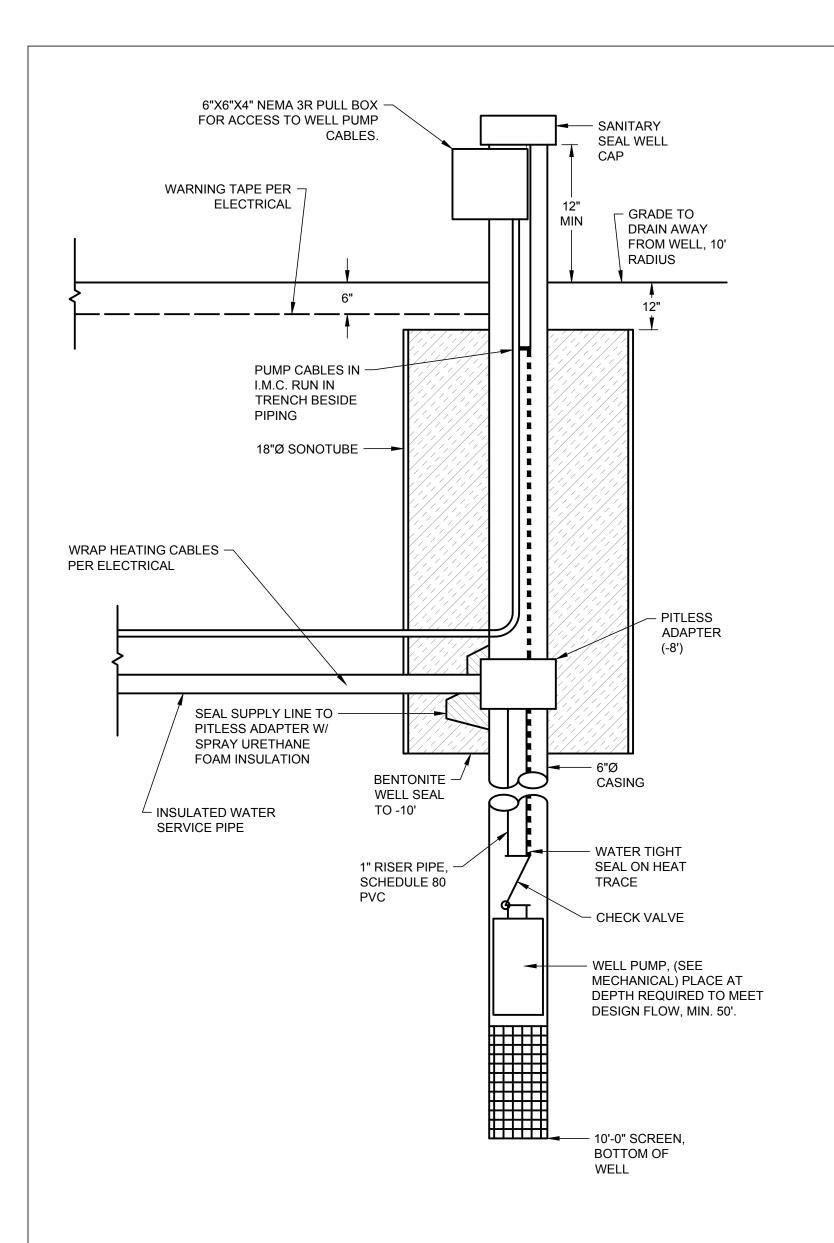
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UTILITY **DETAILS** 

C701 NO SCALE



- APPROVED FOR POTABLE WATER.
- INSTALL SEPARATE CHEMELEX #5BTV HEAT TRACE IN HEAT TRACE CHANNEL ON WELL SUPPLY LINE FROM PITLESS TRACE ACROSS ITSELF.
- 3. SUBMIT WELL LOG AND PUMP TEST LOG WHEN COMPLETE. USE FORM APPROVED BY ALASKA DNR.
- 5. WELL MUST BE DISINFECTED AND FLUSHED ACCORDING TO
- 6. DRILLER IS REQUIRED TO DECHLORINATE WATER PUMPED
- PROVIDE MSDS FOR DICHLORINATION CHEMICALS USED IN
- 8. USE ONLY LEAD FREE PIPES, SOLDER AND FLUX IN THE
- 9. 20 FEET GROUT MUST BE PLACE WITHIN THE FIRST 30 FEET OF THE GROUND SURFACE WITH BENTONITE. IN ORDER TO PREVENT ARTESIAN FLOW AROUND OUTSIDE OF WELL CASING
- 10. MAINTAIN ADEC REQUIRED SEPARATION DISTANCES FOR CLASS
- 11. IN ADDITION TO THE REQUIREMENTS LISTED HERE, THE WELL MUST BE LOCATED AND DRILLED IN ACCORDANCE WITH 18 AAC

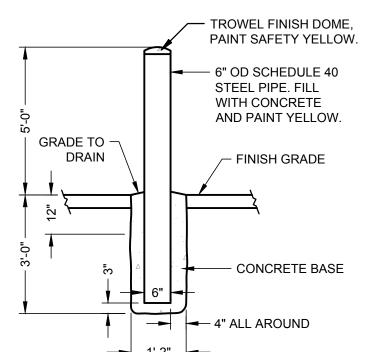
## **GENERAL NOTES**

- 1. INSTALLATION AND COMPONENTS FOR WATER SYSTEMS SHALL BE IN ACCORDANCE WITH THE MOST RECENT REQUIREMENTS OF THE ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION (ADEC).
- 2. WELL TO BE CONSTRUCTED IN ACCORDANCE WITH ADEC REQUIREMENTS FOR A SPECIFIED CLASS OF PUBLIC WATER SUPPLY.

WATER WELL DESIGN PARAMETERS						
WELL CLASS	WELL PUMP CAPACITY	MINIMUM HEAD AT DESIGN FLOW				
С	7 GPM AT 30 PSI, 3 GPM AT 60 PSI					

2 WELL PLAN VIEW

C721 NO SCALE



TROWEL TOP SECTION

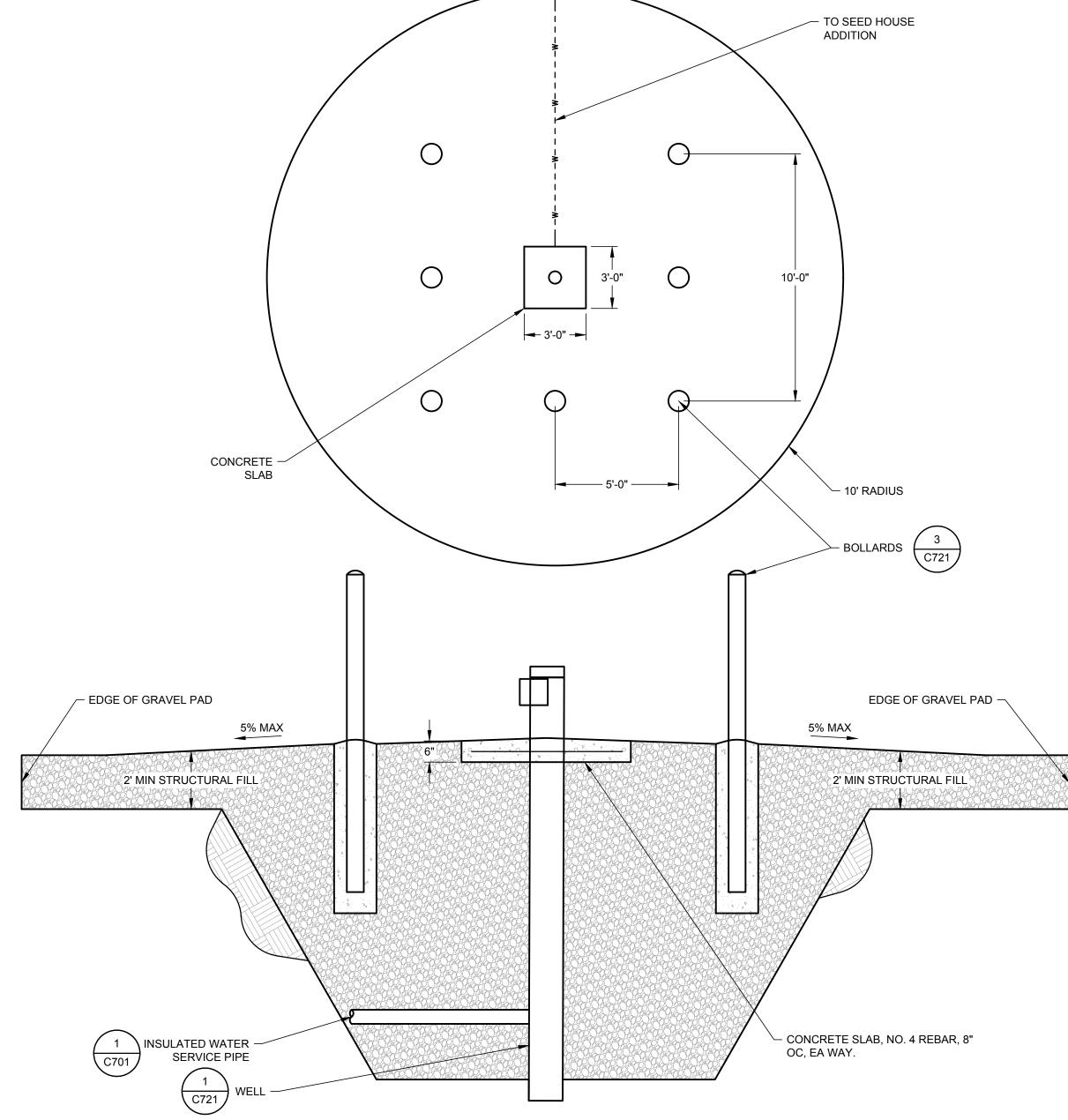


1 WATER WELL

C721 NO SCALE

## GENERAL WATER WELL NOTES:

- ALL MATERIALS IN CONTACT WITH WATER MUST BE NSF61
- ADAPTER TO INTERIOR BUILDING CONNECTION. ADD 4 WRAPS OF HEAT TRACE AROUND PITLESS ADAPTER. DO NOT LAP HEAT
- 4. PROVIDE LATITUDE AND LONGITUDE OF NEWLY DRILLED WELL.
- AWWA STANDARD A 100.
- FROM WELL AFTER DISINFECTION.
- CONSTRUCTION AND CONNECTION OF THIS WELL.
- OF WELL INDICATED.
- 80.020, 18 AAC 80.015, AND 18 AAC 80.210 (h)



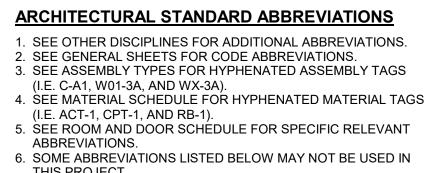
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WATER WELL **DETAILS** 



THIS PROJECT. **EXISTING** ÀĎA AMERICAN DISABILITIES ACT ABOVE FINISHED FLOOR AFF CFCI CONTRACTOR FURNISHED CONTRACTOR INSTALLED **CFOI** CONTRACTOR FURNISHED OWNER INSTALLED CONC CONCRETE **ELEC** ELECTRICAL FV FIELD VERIFY GΑ GYPSUM ASSOCIATION GYP GYPSUM BOARD IBC INTERNATIONAL BUILDING CODE INSUL INSULATION MAX MAXIMUM **MECH MECHANICAL** MFR MANUFACTURER MFSD MANUFACTURER'S STANDARD MIN MINIMUM NIC NOT IN CONTRACT OC ON CENTER OFOI OWNER FURNISHED OWNER INSTALLED OWNER FURNISHED CONTRACTOR INSTALLED OFCI OTS OPEN TO STRUCTURE

PLYWOOD

**EFFECTIVE R-VALUE** 

TO BE DETERMINED

VENT THROUGH ROOF

SPECIFICATION

STRUCTURAL

**TYPICAL** 

STRUCTURAL INSULATED PANEL

SOUND TRANSMISSION CLASS

**UNDERWRITERS LABORATORY** 

PLY

Reff

SIP

**SPEC** 

STC

TBD

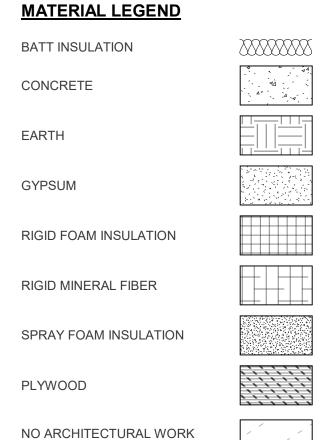
TYP

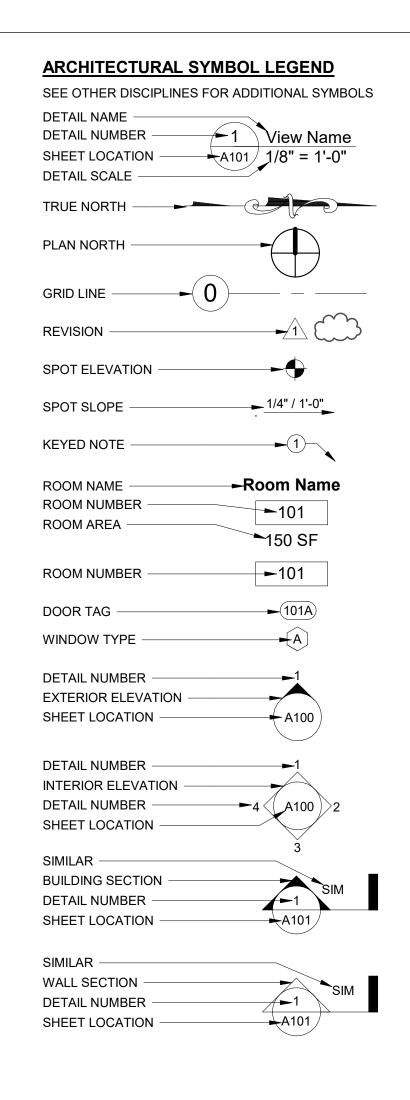
VTR

THIS AREA

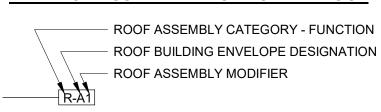
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### **EXTERIOR ASSEMBLY TAG LEGEND - ROOF**



ROOF ASSEMBLY CATEGORY - FUNCTION

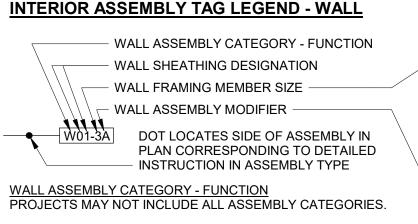
• RS ROOF - SOFFIT

ROOF BUILDING ENVELOPE DESIGNATION • B CAVITY INSULATED

**ROOF ASSEMBLY MODIFIER** NUMBERS REPRESENT DESCRIPTIONS OF ASSEMBLY TYPES. THE BELOW ARE COMMONLY USED EXAMPLES. SEE ASSEMBLY TYPES FOR ADDITIONAL MODIFIERS.

• 1 TYPICAL

• W WALL - INTERIOR

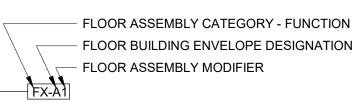


WALL SHEATHING DESIGNATION ASSEMBLIES MAY NOT INCLUDE A SHEATHING DESIGNATION. THE SHEATHING DESIGNATION REFERS TO THE NUMBER OF

SHEATHING LAYERS ON EACH SIDE OF THE FRAMING MEMBER.

FIRST SIDE (0 LAYERS) + SECOND SIDE (1 LAYERS) • 11 FIRST SIDE (1 LAYERS) + SECOND SIDE (1 LAYERS)

### **EXTERIOR ASSEMBLY TAG LEGEND - FLOOR**



FLOOR ASSEMBLY CATEGORY - FUNCTION FLOORS ON GRADE OR THOSE COMPRISING THE EXTERIOR ENVELOPE OF THE BUILDING ARE CONSIDERED EXTERIOR. PROJECTS MAY NOT INCLUDE ALL ASSEMBLY CATEGORIES

• FX FLOOR - EXTERIOR

FLOOR BUILDING ENVELOPE DESIGNATION

SLAB ON GRADE

• B RAISED FLOOR • C OTHER

## **FLOOR ASSEMBLY MODIFIER**

NUMBERS REPRESENT DESCRIPTIONS OF ASSEMBLY TYPES. THE BELOW ARE COMMONLY USED EXAMPLES. SEE ASSEMBLY TYPES FOR ADDITIONAL MODIFIERS.

- EXISTING WALL FINISH TO

EXISTING WALL FINISH.

FIELD VERIFY.

• 1 TYPICAL

NEW WALL STUD TO PREW WALL STUD TO

1'-0"

EXISTING WALL FINISH

FIELD VERIFY EXISTING

CONDITIONS

NEW WALL STUD

REQUIRED CLEARANCE TO

FINISHED FACES, MINIMUM

**UNLESS NOTED OTHERWISE** 

1 \ INTERIOR DETAIL - TYPICAL - DIMENSION REFERENCE POINT CONVENTIONS

1'-0"

8 3/8"

CLEAR

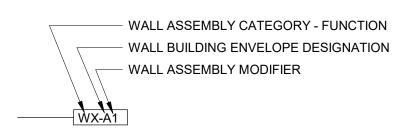
GRID TO GRID

**GRID TO WALL** 

1'-0"

A001/ 1 1/2" = 1'-0"

### **EXTERIOR ASSEMBLY TAG LEGEND - WALL**



WALL ASSEMBLY CATEGORY - FUNCTION PROJECTS MAY NOT INCLUDE ALL ASSEMBLY CATEGORIES. • WX WALL - EXTERIOR

WALL BUILDING ENVELOPE DESIGNATION • B RAINSCREEN

WALL ASSEMBLY MODIFIER NUMBERS REPRESENT DESCRIPTIONS OF ASSEMBLY TYPES. THE BELOW ARE COMMONLY USED EXAMPLES. SEE ASSEMBLY TYPES FOR ADDITIONAL MODIFIERS.

1 TYPICAL

## WALL FRAMING MEMBER SIZE

FURRING AND METAL STUDS • 3 3 5/8" METAL STUDS • 6 6" METAL STUDS

LETTERS A THRU Z REPRESENT DESCRIPTIONS OF ASSEMBLY TYPES. THE BELOW ARE COMMONLY USED EXAMPLES. SEE ASSEMBLY TYPES FOR ADDITIONAL MODIFIERS.

 A TYPICAL G FIRE AND SOUND RATED S SOUND RATED

 X WOOD STUD, FIRE RATED Z WOOD STUD, SOUND RATED

### **BUILDING ENVELOPE LEGEND**

**DIRECTION** 

OF DRYING

SEE EXTERIOR ASSEMBLY TYPES, EXTERIOR DETAILS, MATERIAL SCHEDULE, AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. PROJECTS MAY NOT INCLUDE ALL BUILDING ENVELOPE CATEGORIES.

BE-1 OR 2: FOUNDATION MEMBRANE BE-4: INTERIOR AIR/VAPOR BARRIER

BE-5 OR 6: EXTERIOR AIR/WATER BARRIER BE-7, 8, OR 9: ROOF UNDERLAY

BUILDING ENVELOPE COMPONENT

BUILDING ENVELOPE METAL FLASHING DESCRIBES THE DIRECTION OF AIRFLOW IN A

> DESCRIBES THE DIRECTION AN ASSEMBLY WILL DRY. PERMEABLE MATERIALS REQUIRED TO DRY AS SHOWN

VENTED OR VENTILATED ASSEMBLY

### **ARCHITECTURAL SHEET SEQUENCE**

THIS REFERENCE INDICATES LOCATION OF INFORMATION IN A TYPICAL PROJECT. THIS PROJECT MAY VARY FROM THE REPRESENTATION BELOW. SEE THE SHEET INDEX FOR SPECIFIC SHEET SEQUENCE.

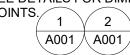
A0 SHEETS INFORMATION, ASSEMBLIES, SCHEDULES A1 SHEETS PHASING, EXISTING, DEMOLITION A2 SHEETS FLOOR AND ROOF PLANS A3 SHEETS EXTERIOR ELEVATIONS A4 SHEETS SECTIONS A5 SHEETS VERTICAL CIRCULATION (NOT USED)

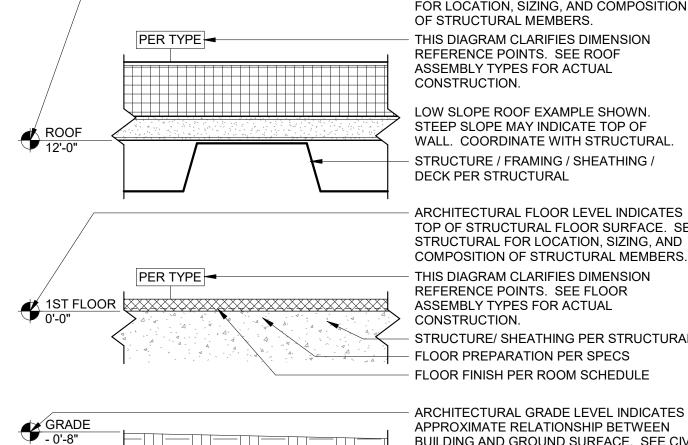
A6 SHEETS EXTERIOR DETAILS A7 SHEETS INTERIOR DESIGN PLANS A8 SHEETS INTERIOR ELEVATIONS A9 SHEETS INTERIOR DESIGN DETAILS

THE TWO CHARACTER ALPHANUMERIC DESIGNATIONS REPRESENT ALL SHEETS IN THE SERIES. FOR EXAMPLE, 'A1 SHEETS' DESCRIBES A100 THROUGH A199.

### **ARCHITECTURAL NOTES**

- A. ARCHITECTURAL NOTES (UNDER THIS HEADING) DESCRIBE WORK COMPRISING THE ENTIRE ARCHITECTURAL DISCIPLINE.
- B. KEYNOTES (UNDER KEYNOTE HEADINGS) DESCRIBE WORK SPECIFICALLY INDICATED BY THE KEYNOTE SYMBOL
- C. SHEET NOTES (UNDER ALL HEADINGS OTHER THAN ARCHITECTURAL AND KEYNOTE) DESCRIBE WORK COMPRISING THE ENTIRE SHEET ON WHICH THE NOTES APPEAR INCLUDING SHEETS ON WHICH THE NOTES ARE REFERENCED.
- D. CONSTRUCTION DOCUMENTS ARE PREPARED FOR THE PURPOSES OF COMMUNICATING DESIGN INTENT. E. DRAWINGS ARE GRAPHIC REPRESENTATIONS CONVEYING THE QUANTITATIVE EXTENT AND RELATIONSHIP BETWEEN
- PROJECT ELEMENTS. F. SPECIFICATIONS ARE WRITTEN REPRESENTATIONS CONVEYING THE QUALITATIVE REQUIREMENTS OF
- PROJECT ELEMENTS. G. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE AND FINISHED PRODUCT FULFILLING THE
- INTENT OF THE CONSTRUCTION DOCUMENTS. H. THE TERM 'NEW' MAY BE USED TO DISTINGUISH NEW FROM EXISTING IN SOME INSTANCES. OMISSION OF THE TERM 'NEW' IS NOT NECESSARILY AN INDICATION THAT THE ELEMENT IS EXISTING.
- THE TERM 'ALL' MAY BE USED TO CLARIFY SCOPE. OMISSION OF THE TERM 'ALL' IS NOT NECESSARILY AN INDICATION THAT THE SCOPE IS LIMITED.
- J. SEE GENERAL CODE INFORMATION AND CODE PLAN. K. PROVIDE CONSTRUCTION IN COMPLIANCE WITH OSHA. L. COORDINATE ARCHITECTURAL WORK WITH CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND OTHER
- M. SEE STRUCTURAL FOR SPECIFIC INFORMATION REGARDING LOAD BEARING MEMBERS, MECHANICAL
- FASTENERS, MASTIC ADHESION, AND STRUCTURE. N. FURNITURE MAY BE SHOWN FOR COORDINATION PURPOSES ONLY. FURNITURE IS OWNER FURNISHED AND OWNER INSTALLED UNLESS NOTED OTHERWISE.
- O. PATCH, REPAIR, AND REFINISH EXISTING SURFACES TO REMAIN, AFFECTED BY WORK. P. CONTRACTOR TO FIELD VERIFY DIMENSIONS SHOWN TO
- EXISTING CONSTRUCTION PRIOR TO WORK. NOTIFY ARCHITECT WHERE DISCREPANCIES ARE DISCOVERED. Q. DIMENSIONS AT EXISTING CONSTRUCTION ARE
- MEASURED FROM FACE OF EXISTING FINISH UNLESS NOTED OTHERWISE. R. DIMENSIONS AT NEW CONSTRUCTION ARE MEASURED
- FROM FACE OF FRAMING UNLESS NOTED OTHERWISE 6. CONFIRM DIMENSIONS INDICATED WITH 'FIELD VERIFY' AND/ OR 'FV' PRIOR TO WORK.
- T. DIMENSIONS INDICATED AS 'CLEAR' REQUIRE MINIMUM CLEARANCE MEASURED TO FINISHED FACES, UNLESS NOTED OTHERWISE.
- U. DIMENSIONS INDICATED WITH '+/-' BRING THE CONTRACTORS ATTENTION TO AREAS WITH FLEXIBILITY GREATER THAN ADJACENT AREAS NOT OTHERWISE INDICATED.
- V. SEE SPECIFICATIONS FOR ALLOWABLE TOLERANCES. W. CONFIRM MANUFACTURERS' INSTALLATION
- INSTRUCTIONS CONFORM TO SPECIFIED TOLERANCES. X. SEE DETAILS FOR DIMENSION AND LEVEL REFERENCE





**DECK PER STRUCTURAL** ARCHITECTURAL FLOOR LEVEL INDICATES TOP OF STRUCTURAL FLOOR SURFACE. SEE STRUCTURAL FOR LOCATION, SIZING, AND COMPOSITION OF STRUCTURAL MEMBERS. THIS DIAGRAM CLARIFIES DIMENSION REFERENCE POINTS. SEE FLOOR ASSEMBLY TYPES FOR ACTUAL CONSTRUCTION.

ARCHITECTURAL ROOF LEVEL INDICATES

SHEATHING / DECK. SEE STRUCTURAL

TOP OF STRUCTURAL FRAMING /

STRUCTURE/ SHEATHING PER STRUCTURAL FLOOR PREPARATION PER SPECS FLOOR FINISH PER ROOM SCHEDULE

ARCHITECTURAL GRADE LEVEL INDICATES APPROXIMATE RELATIONSHIP BETWEEN BUILDING AND GROUND SURFACE. SEE CIVIL FOR GRADING, EXTERIOR WALKING SURFACES, AND ACTUAL RELATIONSHIP BETWEEN BUILDING AND GROUND SURFACE.

2 \ INTERIOR DETAIL - TYPICAL - LEVEL REFERENCE POINT CONVENTIONS ∖A001 / 6" = 1'-0"

## PMC SEED HOUSE **ADDITION**

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Trill!

JAMES D. BARTLETT

10-JUL-2025

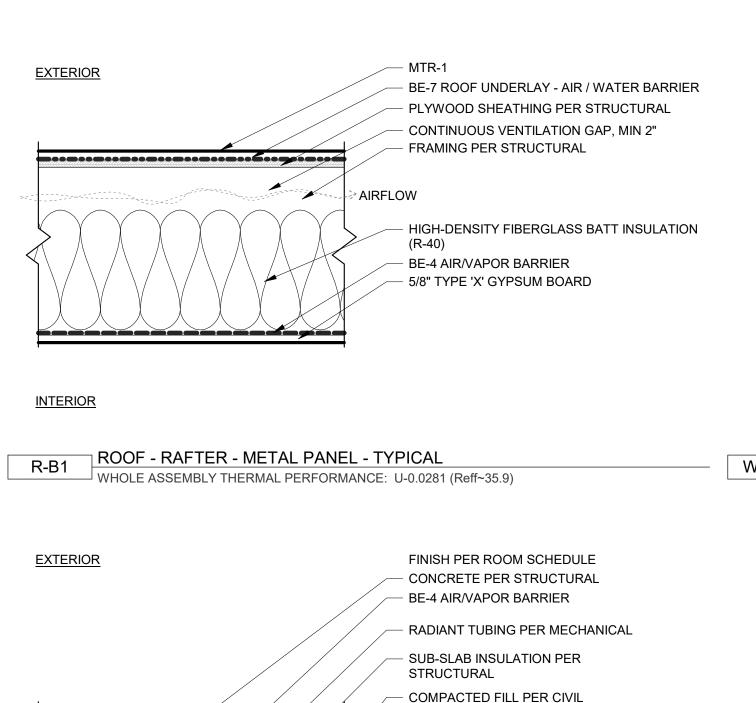
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**ISSUE DATE** 10 JUL 2025 COMM. NUMBER 862501 **DESIGNED BY** DRAWN BY

**ARCHITECTURAL** INFORMATION

SCALE

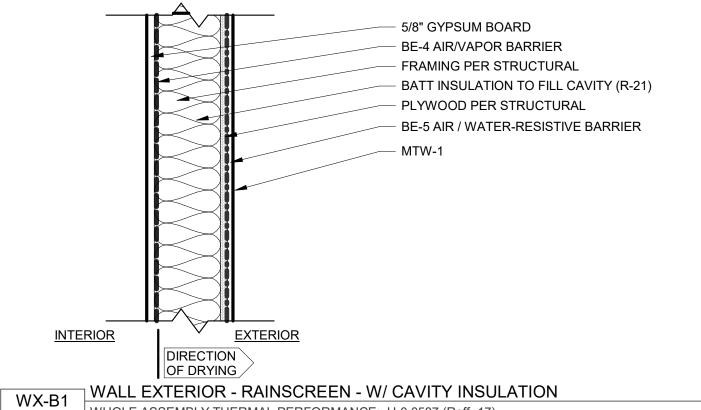


FLOOR EXTERIOR - SLAB ON GRADE - TYPICAL

**INTERIOR** 

INSULATION AS SHOWN IN FOUNDATION DETAIL 3

A630



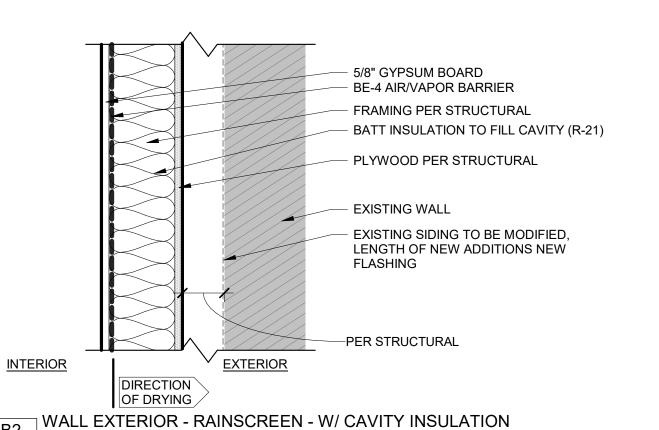
WHOLE ASSEMBLY THERMAL PERFORMANCE: U-0.0587 (Reff~17)

WHOLE ASSEMBLY THERMAL PERFORMANCE: U-0.0587 (Reff~17)

2X6 WOOD STUD

PER STRUCTURAL

- BATT INSULATION



### **EXTERIOR ASSEMBLY NOTES**

1 - TYPICAL

A. ASSEMBLIES ARE DIAGRAMS ONLY, DO NOT SCALE.

B. ASSEMBLIES DESCRIBE MATERIALS AND THEIR RELATIONSHIP WITHIN A GIVEN CEILING, FLOOR, ROOF, OR WALL. PENETRATIONS, JOINTS, FINISHES, AND INTERSECTIONS BETWEEN ASSEMBLIES ARE NOT SHOWN.

C. SEE A0 SHEETS FOR ARCHITECTURAL NOTES, SHEET SEQUENCE, AND

ASSEMBLY TAG LEGENDS. D. SEE FLOOR PLANS AND SECTIONS FOR ASSEMBLY LOCATIONS.

SEE EXTERIOR DETAILS FOR ADDITIONAL INFORMATION. F. SEE MATERIAL SCHEDULE FOR ADDITIONAL INFORMATION.

A. SEE STRUCTURAL FOR STUD AND SPACING AT EXTERIOR, LOAD BEARING, AND STRUCTURAL WALLS.

B. SEE INTERIOR ASSEMBLY NOTES FOR FRAMING INCLUDING INFORMATION ON WALL MOUNTED CASEWORK, EQUIPMENT, FIXTURES, ACCESSORIES, BACKING, TILE, AND ABUSE/ IMPACT/ MOISTURE RESISTANT GYPSUM.

SEE STRUCTURAL FOR PLYWOOD REQUIREMENTS.

B. SEE SPECIFICATIONS FOR EXTERIOR GYPSUM SHEATHING. C. SEE INTERIOR ASSEMBLY NOTES FOR SHEATHING INCLUDING INFORMATION ON INTERIOR GYPSUM, JOINTS AND GAPS.

A. SEE EXTERIOR ELEVATIONS FOR EXTERIOR FINISHES.

## B. SEE MATERIAL SCHEDULE FOR FINISH INFORMATION.

C. SEE INTERIOR ASSEMBLY NOTES FOR FINISHES INCLUDING INFORMATION ON INTERIOR FINISHES AND SUBSTRATES.

### 5 - WATER RESISTANT ASSEMBLIES

A. SEE INTERIOR ASSEMBLY NOTES FOR WATER RESISTANT ASSEMBLIES INCLUDING INFORMATION ON INTERIOR MOISTURE RESISTANT GYPSUM AND BACKER BOARD.

6 - BUILDING ENVELOPE A. SEE SPEC DIVISION 07 AND RELATED SPEC SECTIONS.

B. SEE A001 FOR BUILDING ENVELOPE LEGEND. C. BARRIER / RETARDER CONTINUITY IS CRITICAL FOR THE PERFORMANCE AND

DURABILITY OF THE ASSEMBLY. D. FLASHING, SEALING, AND INSULATING TRANSITION SPACES ARE CRITICAL

COMPONENTS OF WATER, AIR, AND THERMAL BARRIER CONTINUITY. E. WATER RESISTIVE BARRIER COMPONENTS MUST BE INSTALLED IN A SHINGLE FASHION (WEATHER LAPPED), FROM FOOTING TO ROOF, WITH SUFFICIENT OVERLAP AND NO EXPOSED CORNERS. AVOID TRAPPING MOISTURE IN TIGHT SPACES OR CREATING FLAT HORIZONTAL AREAS THAT CAN COLLECT

F. NOTIFY ARCHITECT OF BUILDING ENVELOPE COMPONENT SUBSTITUTIONS. SOME PRODUCTS CAN SIMULTANEOUSLY ACT AS A WATER RESISTIVE BARRIER, AIR BARRIER, AND/ OR A VAPOR RETARDER. SUBSTITUTING ASSEMBLY COMPONENTS WITHOUT ARCHITECTS APPROVAL CAN DRASTICALLY ALTER THE DURABILITY AND ENERGY PERFORMANCE OF THE ASSEMBLY.

### **BUILDING ENVELOPE INDEX**

BASIS OF DESIGN - PER MATERIAL SCHEDULE

BE-4 POLYETHYLENE FILM (MIL PER SPEC)

BE-5 WRAP SHIELD SA

SLOPE SHIELD PLUS SA VAPROSILICONE

### 5/8" GYPSUM BOARD 5/8" GYPSUM BOARD 2X6 WOOD STUDS PER STRUCTURAL - PLYWOOD PER STRUCTURAL - 5/8" GYPSUM BOARD - 5/8" TYPE 'X' GYPSUM BOARD

☐ GA FILE NUMBER: NA

WALL INTERIOR 2X4 STUD GYPSUM BOARD BOTH SIDES

## **INTERIOR ASSEMBLY NOTES**

A. ASSEMBLIES ARE DIAGRAMS ONLY, DO NOT SCALE.

B. ASSEMBLIES DESCRIBE MATERIALS AND THEIR RELATIONSHIP WITHIN A GIVEN CEILING, FLOOR, OR WALL. PENETRATIONS, JOINTS, FINISHES, AND INTERSECTIONS BETWEEN ASSEMBLIES ARE NOT SHOWN.

C. SEE A0 SHEETS FOR ARCHITECTURAL NOTES, SHEET SEQUENCE, AND ASSEMBLY TAG LEGENDS.

D. SEE FLOOR PLANS AND SECTIONS FOR ASSEMBLY LOCATIONS.

E. SEE ROOM AND MATERIAL SCHEDULES FOR FINISHES.

A. SEE STRUCTURAL FOR STUD AND SPACING AT LOAD BEARING AND STRUCTURAL WALLS.

B. SPACE STUDS AT 16" ON CENTER FOR WALLS WITH MOISTURE RESISTANT GYPSUM UNLESS NOTED OTHERWISE.

C. PROVIDE CONTINUOUS STUDS FROM FLOOR TO STRUCTURE ABOVE UNLESS NOTED OTHERWISE.

D. PROVIDE BACKING AT ASSEMBLY MOUNTED ACCESSORIES, EQUIPMENT, AND FIXTURES.

A. PROVIDE TYPE 'X' GYPSUM BOARD PER SPECIFICATIONS. B. PROVIDE CONTINUOUS GYPSUM BOARD FROM FLOOR TO STRUCTURE

ABOVE UNLESS NOTED OTHERWISE.

C. SEAL THROUGH WALL PENETRATIONS AT BOTH ABOVE CEILING AND BELOW CEILING CONDITIONS.

D. PROVIDE CONTROL JOINTS IN GYPSUM BOARD AT 30'-0" MAXIMUM SPACING OR PER UNITED STATES GYPSUM ASSOCIATION.

4 - WATER RESISTANT SHEATHING
A. GYPSUM BOARD WITHIN 4'-0" OF PLUMBING FIXTURES SHALL BE MOISTURE

B. GYPSUM BOARD AT JANITOR ROOM WALLS SHALL BE MOISTURE RESISTANT.

5 - FINISHES A. SEE ROOM SCHEDULE FOR INTERIOR FINISHES, WALL BASE, AND APPLIED

FINISHES NOT SHOWN ON ASSEMBLY TYPES.

B. SEE SPECIFICATIONS FOR SUBSTRATES REQUIRED BY APPLIED FINISHES. C. SEE MATERIAL SCHEDULE FOR FINISH INFORMATION.

## PMC SEED HOUSE **ADDITION**

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JAMES D. BARTLETT

10-JUL-2025

. No. A10413

MILESSION STATE

ISSUE DATE 10 JUL 2025 COMM. NUMBER **DESIGNED BY** DRAWN BY

**ARCHITECTURAL ASSEMBLY TYPES** 

				ROOM	SCHEDULE					
	ROOM	F	LOOR	WALL	WA	INSCOT	CE	ILING	RO	OM
NUMBER	NAME	FINISH	BASE	FINISH	FINISH	HEIGHT	FINISH	HEIGHT	REMARKS	NUMBER
156	MECHANICAL ROOM	SEAL-1	RB-1	PNT-50			PNT-80	VARIES		156
157	OFFICE	SEAL-1	RB-1	PNT-50			PNT-80	VARIES		157
158	TOOL ROOM	SEAL-1	RB-1	PNT-50			PNT-80	VARIES		158
159	RESTROOM	SEAL-1	RB-1	PNT-50	FRP-1	4'-4"	PNT-80	8'-0"		159

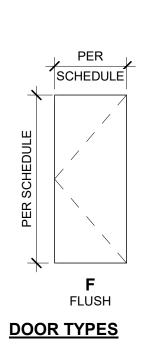
### ROOM SCHEDULE REMARKS

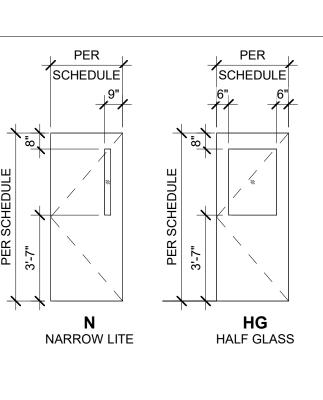
NOT USED

### **ROOM SCHEDULE NOTES**

- A. SEE MATERIAL SCHEDULE FOR FINISH INFORMATION.
- B. SEE ASSEMBLY TYPES FOR FINISH SUBSTRATES. C. SEE INTERIOR ELEVATIONS WHERE FLOOR BASE VARIES. D. SEE INTERIOR ELEVATIONS FOR LOCATION AND EXTENT
- OF WAINSCOT. E. SEE DOOR SCHEDULE FOR DOOR FINISHES.
- F. PROVIDE FINISHES TO FULL HEIGHT OF WALL UNLESS NOTED OTHERWISE. G. PATCH AND REPAIR EXISTING SURFACES DAMAGED BY
- WORK. MATCH ADJACENT FINISHES. PAINT BEYOND DAMAGED AREA EXTENDING FROM CORNER TO CORNER OF AFFECTED SURFACES.
- H. SEE DETAIL FOR FLOOR FINISH TRANSITIONS.







2" PER SCHEDULE

SINGLE

FRAME TYPES

	DOOR SCHEDULE										
DOOR	DIME	NSIONS	IONS DOOR FRAME				HARDWARE		DOOR		
NUMBER	WIDTH	HEIGHT	CONSTRUCTION	TYPE	FINISH	CONSTRUCTION	TYPE	FINISH	GROUP	REMARKS	NUMBER
156A	3'-6"	7'-0"	INHM	F	PNT-20	TBHM	S	PNT-30	2	1.	156A
157A	3'-0"	7'-0"	INHM	HG	PNT-20	TBHM	S	PNT-30	2	1.	157A
157B	3'-0"	7'-0"	WD	N	WD-*1	HM	S	PNT-70	2	1.	157B
158A	3'-0"	7'-0"	INHM	N	PNT-20	ТВНМ	S	PNT-30	2	1.	158A
159A	3'-0"	7'-0"	WD	F	WD-*1	НМ	S	PNT-70	1	1.	159A

### **HARDWARE GROUPS**

HDW-1 3 HINGES 1 LEVER / PRIVACY LOCKSET 1 CLOSER 1 KICK PLATE 1 OVERHEAD STOP OR WALL STOP 1 PERIMETER GASKETING

<u>HDW-2</u> 3 HINGES 1 LOCKSET (OFFICE/STORAGE) 1 THRESHOLD (EXTERIOR ONLY) 1 CLOSER 1 PERIMETER GASKETING 1 KICK PLATE

## **DOOR SCHEDULE AND TYPE NOTES**

- A. SEE EXTERIOR ASSEMBLIES AND DETAILS.
- B. SEE INTERIOR ASSEMBLIES AND DETAILS. C. COORDINATE ROUGH OPENING AND SHIM SPACE WITH
- MANUFACTURER. D. PROVIDE 1/2" SHIM SPACE ALL SIDES OF EXTERIOR DOORS TO MAINTAIN ADEQUATE SPACE FOR FULL DEPTH SPRAY FOAM INSULATION. CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND ACCURACY OF
- SHOP DRAWINGS. E. DOOR AND FRAME TYPES REPRESENTED AS VIEWED
- FROM EXTERIOR SIDE UNLESS NOTED OTHERWISE. F. FOR DOORS AND FRAMES INSTALLED WITH INTERIOR ON BOTH SIDES; SEE PLANS AND ELEVATIONS FOR ORIENTATION.

## **DOOR SCHEDULE REMARKS**

MATCH EXISTING KEYING SYSTEM

### **DOOR SCHEDULE ABBREVIATIONS**

SEE A001 FOR STANDARD ARCHITECTURAL ABBREVIATIONS SEE MATERIAL SCHEDULE FOR MATERIAL TYPES

HM HOLLOW METAL INHM INSULATED HOLLOW METAL TBHM THERMALLY BROKEN HOLLOW METAL WD WOOD

### MATERIAL SCHEDULE NOTES

- A. SEE EXTERIOR ELEVATIONS, CEILING PLANS, INTERIOR ELEVATIONS, AND ROOM SCHEDULE FOR LOCATION OF
- FINISHES. B. THE MATERIAL SCHEDULE PROVIDES A BASIS OF DESIGN. SEE SPECIFICATIONS FOR PRODUCT INFORMATION, PERFORMANCE CRITERIA, AND ACCEPTABLE
- C. THE MATERIAL SCHEDULE IS ORGANIZED BY SPEC NUMBER. MATERIALS WITH SPEC NUMBERS INCLUDING 'NA' PROVIDE A BASIS OF DESIGN WITH NO CORRELATING SPEC SECTION.

## MATERIAL SCHEDULE REMARKS

ALTERNATIVE MANUFACTURERS.

**MISCELLANEOUS** NOT USED

LOW EMITTING
LE-C ADHESIVES, SEALANTS, AND SEALANT PRIMERS APPLIED TO INTERIOR ELEMENTS MUST COMPLY WITH SCAQMD RULE 1168 AS OF 01 JULY 2005. AEROSOL ADHESIVES APPLIED TO INTERIOR ELEMENTS MUST COMPLY WITH GREEN SEAL GS-36 AS OF 19 OCTOBER 2000.

LE-D HARD SURFACE FLOORING AND WALL BASE MUST BE FLOORSCORE CERTIFIED.

LE-F ARCHITECTURAL PAINTS AND COATINGS APPLIED TO INTERIOR ELEMENTS MUST NOT EXCEED THE VOC CONTENT LIMITS ESTABLISHED IN GREEN SEAL STANDARD GS-11 AS OF 20 MAY 1993.

## **MATERIAL SCHEDULE ABBREVIATIONS**

SEE A001 FOR STANDARD ARCHITECTURAL ABBREVIATIONS MATERIAL TYPES DEFINED IN MATERIAL SCHEDULE

MFSD MANUFACTURER'S STANDARD

PMC SEED HOUSE **ADDITION** 

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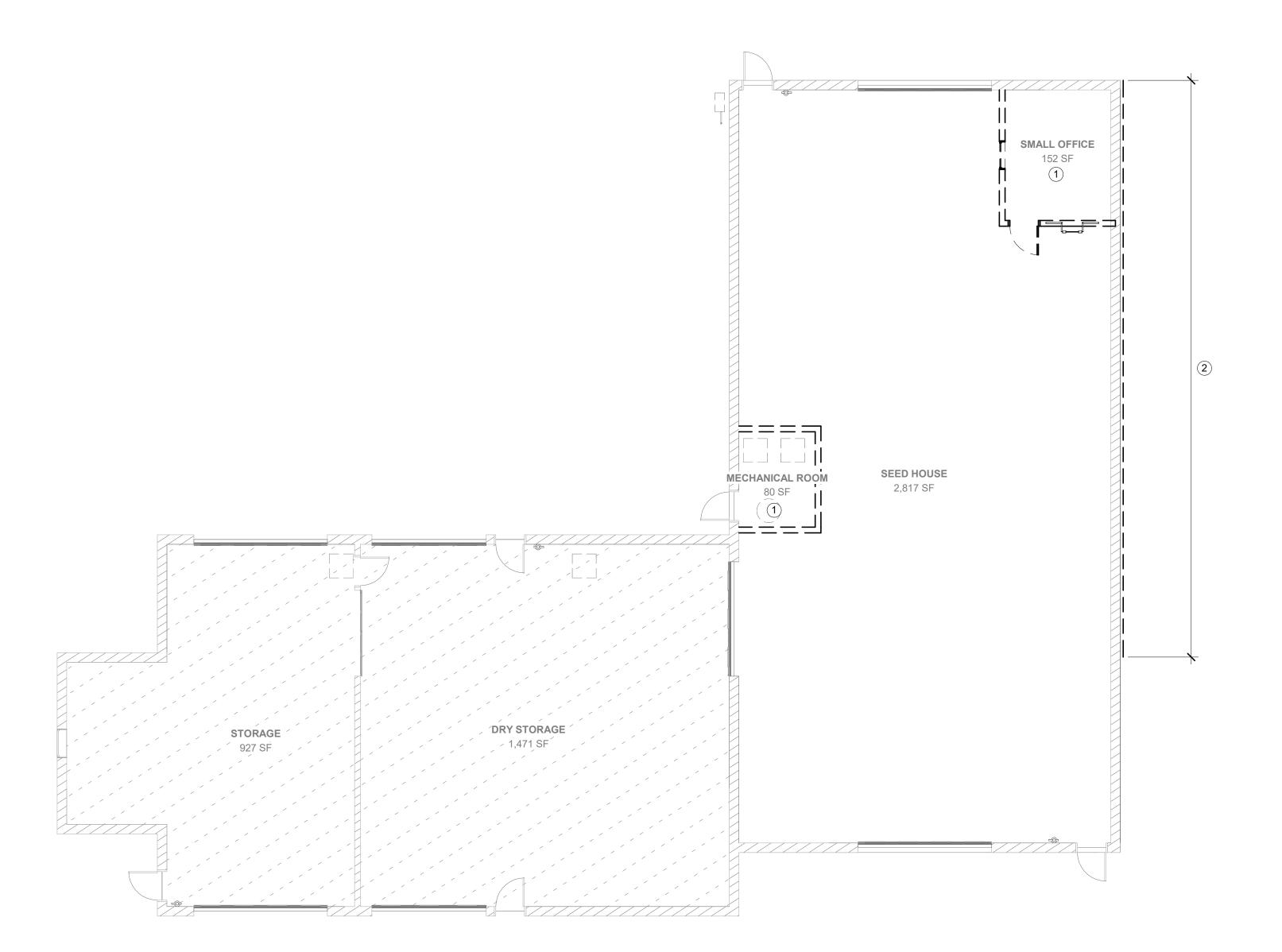
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JAMES D. BARTLETT 10-JUL-2025 No. A10413

ISSUE DATE 10 JUL 2025 COMM. NUMBER 862501 **DESIGNED BY** DRAWN BY

ARCHITECTURAL SCHEDULES AND **TYPES** 

BASIS OF DESIGN REMARKS								
					BASIS OF DESIGN		LOW	
SPEC	TYPE	DESCRIPTION	LOCATION	MANUFACTURER	MODEL	COLOR	EMITTING MISCELLANEOUS	TYPE
30 00 - CON	RETE - CAST-IN-	PLACE CONCRETE						
3 30 00	SEAL-1	CONCRETE SEALER	PER ROOM SCHEDULE	DAYTON SUPERIOR	PENTRA-HARD	CLEAR	LE-B	SEAL-1
7 00 00 - THER	MAL AND MOISTU	JRE PROTECTION						
7 00 00	SNO-1	SNOW GUARD	PER ROOF PLAN	S-5!	COLORGARD 2.0	MFSD		SNO-1
							<u> </u>	
7 25 00 - THER	MAL AND MOISTU	JRE PROTECTION - WEATHER BARRIERS						
7 25 00	BE-4	SHEETING - AIR / VAPOR BARRIER (AVB)	PER ASSEMBLY TYPES	HUSKY	POLYETHYLENE FILM (MIL PER SPEC)	NOT APPLICABLE		BE-4
7 25 00	BE-5	WALL - AIR / WATER BARRIER (AWB)	PER ASSEMBLY TYPES	VAPRO SHIELD	WRAP SHIELD SA	NOT APPLICABLE		BE-5
7 25 00	BE-C1	SEISMIC JOINT AIR BARRIER	PER ASSEMBLY TYPES / DETAILS	VAPROSHIELD	VAPROSILICONE	NOT APPLICABLE		BE-C1
		JRE PROTECTION - STEEP SLOPED ROOFING						
7 30 05	BE-7	ROOF UNDERLAY - VAPOR PERMEABLE AIR / WATER BARRIER (AWB)	PER ASSEMBLY TYPES	VAPRO SHIELD	SLOPE SHIELD PLUS SA	NOT APPLICABLE		BE-7
7 40 00 - THEF	MAL AND MOISTU	JRE PROTECTION - ROOFING AND SIDING PANELS						
7 40 00	MTF-1	METAL FLASHING AT ROOFING	PER EXTERIOR ELEVATIONS	METAL SALES	ACCESSORIES AND TRIM	MATCH MTR-1		MTF-1
7 41 13	MTR-1	METAL ROOF PANELS	PER EXTERIOR ELEVATIONS	METAL SALES	PBU-PANEL	MATCH EXISTING GREEN		MTR-1
7 42 13	MTS-1	METAL SOFFIT - VENTED	PER CEILING PLAN	METAL SALES	SOFFIT PANEL FLAT - PERFORATED	MATCH MTW-1		MTS-1
7 42 13	MTW-1	METAL WALL PANELS - EXPOSED FASTENERS	PER EXTERIOR ELEVATIONS	METAL SALES	BI-RIB	MATCH EXISTING GRAY		MTW-1
	INGS - DOORS A							
8 14 16	WD-1	FLUSH WOOD DOOR	PER DOOR SCHEDULE	VT INDUSTRIES	HERITAGE - FLUSH WOOD VENEER	WHITE OAK - CLEAR CL18		WD-1
	HES - FLOORING						1. = =	
9 65 00	RB-1	RUBBER BASE	PER ROOM SCHEDULE	ROPPE	700 SERIES	DARK GRAY 150	LE-D	RB-1
0.70.00 51110	150 MALL 51110	NUEO.						
	HES - WALL FINIS		DED DOOM COLLEDUILE	ODANE COMPOSITES	01.400100	DDUOUED METAL	1.50	EDD 4
9 77 33	FRP-1	FIBER REINFORCED PLASTIC	PER ROOM SCHEDULE	CRANE COMPOSITES	CLASSICS	BRUSHED METAL	LE-C	FRP-1
9 90 00 - FINIS	HES - PAINTING A	AND COATING						
9 91 13	PNT-20	EXTERIOR PAINT - DOOR	PER DOOR SCHEDULE	SHERWIN WILLIAMS	EXTERIOR ACRYLIC LATEX	MATCH EXISTING		PNT-20
9 91 13	PNT-30	EXTERIOR PAINT - DOOR FRAME	PER DOOR SCHEDULE	SHERWIN WILLIAMS	EXTERIOR ACRYLIC LATEX	MATCH EXISTING		PNT-30
9 91 23	PNT-50	INTERIOR PAINT - WALL	PER ROOM SCHEDULE	SHERWIN WILLIAMS	PROMAR 200 INTERIOR LATEX - EGGSHELL FINISH	SW7005 PURE WHITE	LE-F	PNT-50
9 91 23	PNT-70	INTERIOR PAINT - DOOR FRAME	PER DOOR SCHEDULE	SHERWIN WILLIAMS	PROMAR 200 INTERIOR LATEX	MATCH RB-1	LE-F	PNT-70
9 91 23	PNT-80	INTERIOR PAINT - CEILING	PER ROOM SCHEDULE	SHERWIN WILLIAMS	PROMAR 200 INTERIOR LATEX - MATTE FINISH	SW7005 PURE WHITE	LE-F	PNT-80
	ı		'	'	<u> </u>	-	'	1
0 20 00 - SPEC	IALTIES - INTERIO	OR SPECIALTIES						
26 01	CG-48	CORNER GUARD	PER FLOOR PLAN	PAWLING CORPORATION	CG-10 - 48"	STAINLESS STEEL		CG-48
28 00	MIRR-1830	MIRROR - 18 x 30	PER INTERIOR ELEVATIONS	BOBRICK	B-293 1830	STAINLESS STEEL		MIRR-1830
0 28 00	NPKN-R1	SANITARY NAPKIN DISPOSAL (RECEPTACLE)	PER INTERIOR ELEVATIONS	BOBRICK	B-254	STAINLESS STEEL		NPKN-R1
28 00	TOWL-1	PAPER TOWEL DISPENSER	PER INTERIOR ELEVATIONS	BOBRICK	B-262	STAINLESS STEEL		TOWL-1
0 28 00	TP-1	TOILET TISSUE PAPER - VERTICAL	PER INTERIOR ELEVATIONS	BOBRICK	B-2892	STAINLESS STEEL		TP-1
) 40 00 - SPEC	IALTIES - SAFETY	/ SPECIALTIES						
0 44 00	FE-1	FIRE EXTINGUISHER	PER CODE PLAN	PER SPECS	PER SPECS	MFSD		FE-1



### **DEMOLITION NOTES**

- A. CONSTRUCTION DOCUMENTS DESCRIBE TYPICAL DEMOLITION WORK. CONTRACTOR IS RESPONSIBLE FOR PROVIDING SPECIFIC DEMOLITION WORK REQUIRED TO ACCOMMODATE NEW WORK.

  B. SEE CIVIL, STRUCTURAL, MECHANICAL, AND ELECTRICAL
- DOCUMENTS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- C. EXISTING STRUCTURAL SYSTEMS INCLUDING COLUMNS, BEAMS, AND STRUCTURAL WALLS TO REMAIN UNLESS OTHERWISE INDICATED IN STRUCTURAL DOCUMENTS.
- D. PRIOR TO ARCHITECTURAL DEMOLITION, SEE STRUCTURAL FOR CLARIFICATION OF CONTRACTOR RESPONSIBILITIES INCLUDING BUT NOT LIMITED TO BRACING, SHORING, SCAFFOLDING, AND PROTECTION OF EXISTING STRUCTURES.

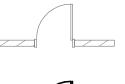
## **DEMOLITION LEGEND**



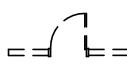
EXISTING CONSTRUCTION TO REMAIN



NO ARCHITECTURAL WORK THIS AREA



EXISTING WALL AND DOOR TO REMAIN



REMOVE WALL AND DOOR

## **KEYNOTES**

- (1) DEMOLITION DONE BY OTHERS
- (2) MODIFY SIDING IN AREAS AFFECTED BY WORK TO FACE OF STRUCTURAL FRAMING.

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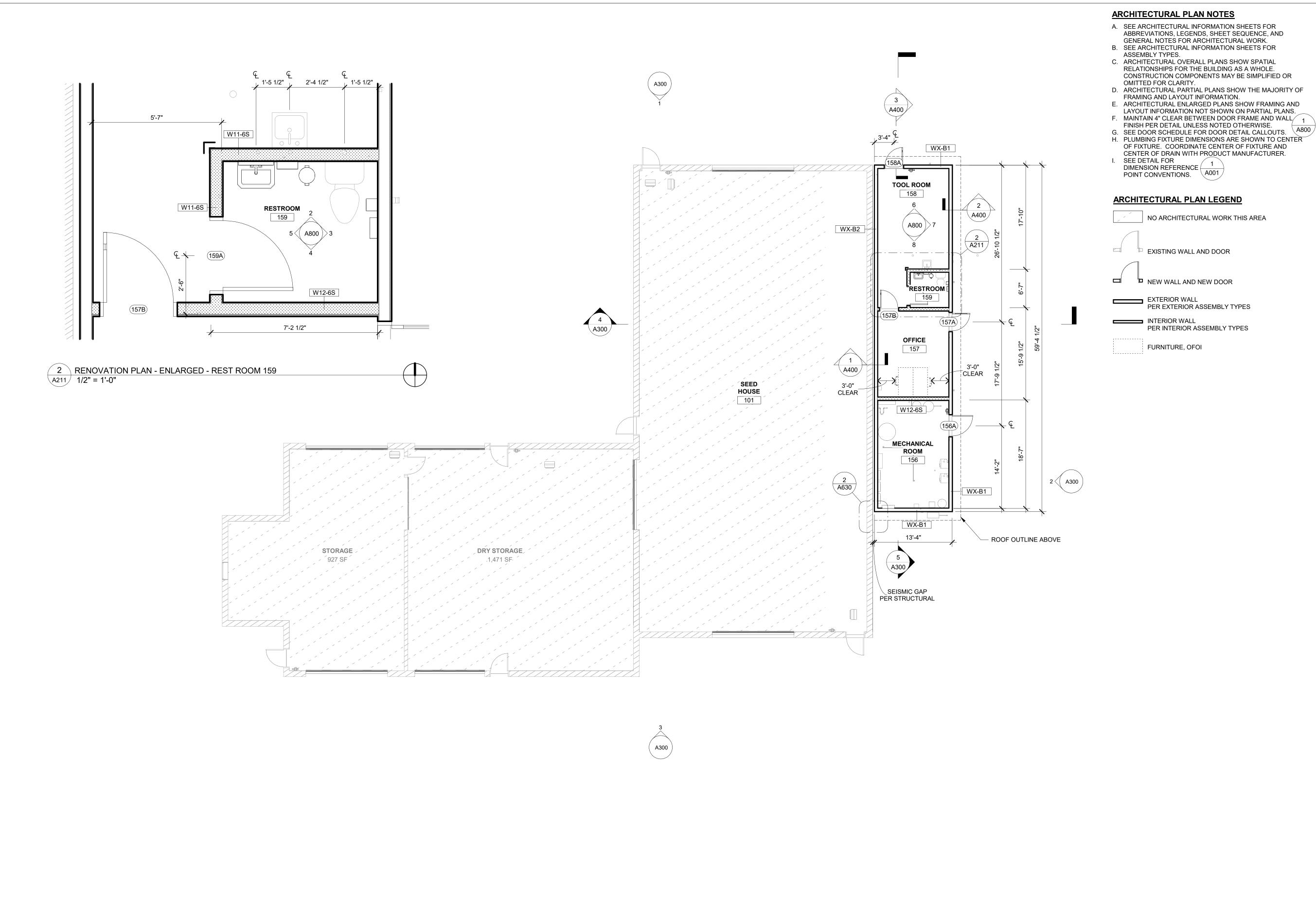


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PLAN -DEMOLITION



- B. SEE ARCHITECTURAL INFORMATION SHEETS FOR
- CONSTRUCTION COMPONENTS MAY BE SIMPLIFIED OR
- E. ARCHITECTURAL ENLARGED PLANS SHOW FRAMING AND
- F. MAINTAIN 4" CLEAR BETWEEN DOOR FRAME AND WALL 1
- OF FIXTURE. COORDINATE CENTER OF FIXTURE AND

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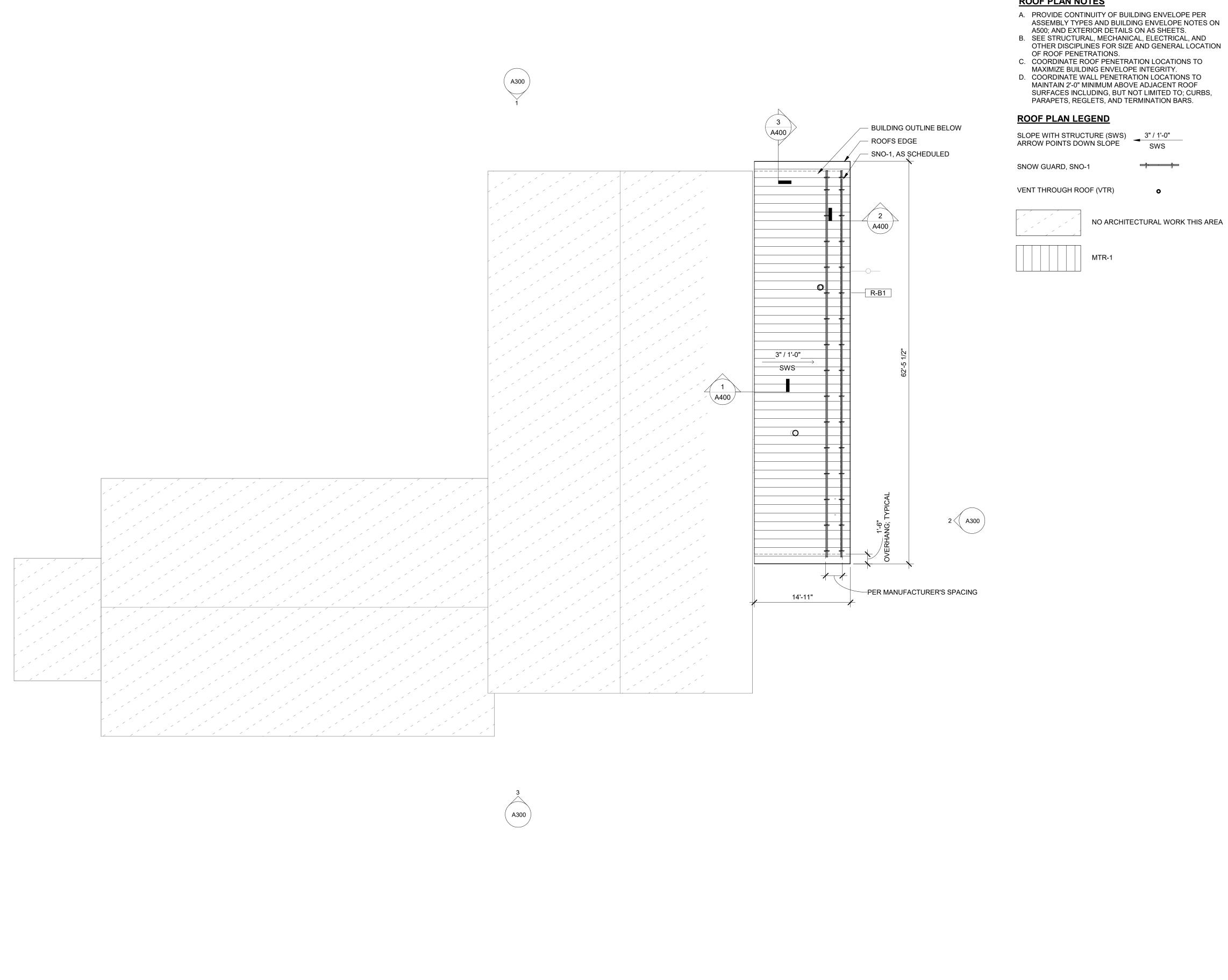
JAMES D. BARTLETT 10-JUL-2025 No. A10413

PROFESSIONAL

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ARCHITECTURAL PLANS - 1ST **FLOOR** 

1 RENOVATION PLAN - 1ST FLOOR A211 1/8" = 1'-0"



**ROOF PLAN NOTES** 

OTHER DISCIPLINES FOR SIZE AND GENERAL LOCATION

NO ARCHITECTURAL WORK THIS AREA

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ARCHITECTURAL PLANS - ROOF

1 ARCHITECTURAL PLANS - ROOF A290 1/8" = 1'-0"



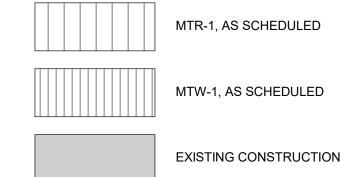
### **EXTERIOR ELEVATION NOTES**

- A. EXTERIOR ELEVATIONS SHOW EXTERIOR FINISHES,
   OPENING TYPES, AND CALLOUTS OF EXTERIOR ENVELOPE
   PENETRATIONS.
   B. SEE MATERIAL SCHEDULE FOR EXTERIOR FINISHES.
- B. SEE MATERIAL SCHEDULE FOR EXTERIOR FINISHES.
   C. SEE ELECTRICAL FOR EXTERIOR MOUNTED ITEMS. PROVIDE TREATED BLOCKING, ATTACH TO PRIMARY
- FRAMING MEMBER, AND WEATHER SEAL AS REQUIRED.

  D. SEE MECHANICAL FOR EXTERIOR PENETRATIONS INCLUDING BUT NOT LIMITED TO LOUVERS, FLUES, AND UTILITIES. PROVIDE TREATED BLOCKING, ATTACH TO PRIMARY FRAMING MEMBER, AND WEATHER SEAL AS REQUIRED.
- E. SEE DETAIL FOR
  LEVEL REFERENCE
  POINT CONVENTIONS.

  2
  A001

### **EXTERIOR FINISH LEGEND**



## **BUILDING SECTION NOTES**

- A. BUILDING SECTIONS SHOW VERTICAL SPATIAL RELATIONSHIPS FOR THE BUILDING AS A WHOLE. CONSTRUCTION COMPONENTS MAY BE SIMPLIFIED OR OMITTED FOR CLARITY.
- B. SEE ARCHITECTURAL PLANS FOR BUILDING SECTION AND WALL SECTION CALLOUTS.
- C. SEE EXTERIOR ELEVATIONS FOR FINISHES.
- D. SEE WALL SECTIONS FOR ADDITIONAL INFORMATION.
   E. SEE ASSEMBLIES AND DETAILS FOR ADDITIONAL INFORMATION.

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EXTERIOR
ELEVATIONS &
BUILDING
SECTIONS

A300

## **WALL SECTION NOTES**

- A. WALL SECTIONS SHOW VERTICAL RELATIONSHIPS
  BETWEEN ASSEMBLIES AND BUILDING COMPONENTS.
  WALL SECTIONS ARE SIMPLIFIED WITH INFORMATION
- OMITTED FOR VISUAL CLARITY.

  B. WALL SECTIONS CALL OUT SECTION DETAILS.

  C. SEE ARCHITECTURAL PLANS FOR WALL SECTION
- CALLOUTS.

  D. SEE ASSEMBLY TYPES AND DETAILS FOR ADDITIONAL INFORMATION.

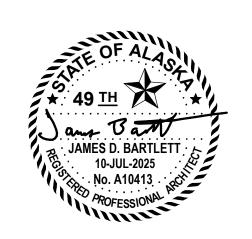
### **WALL SECTION LEGEND**

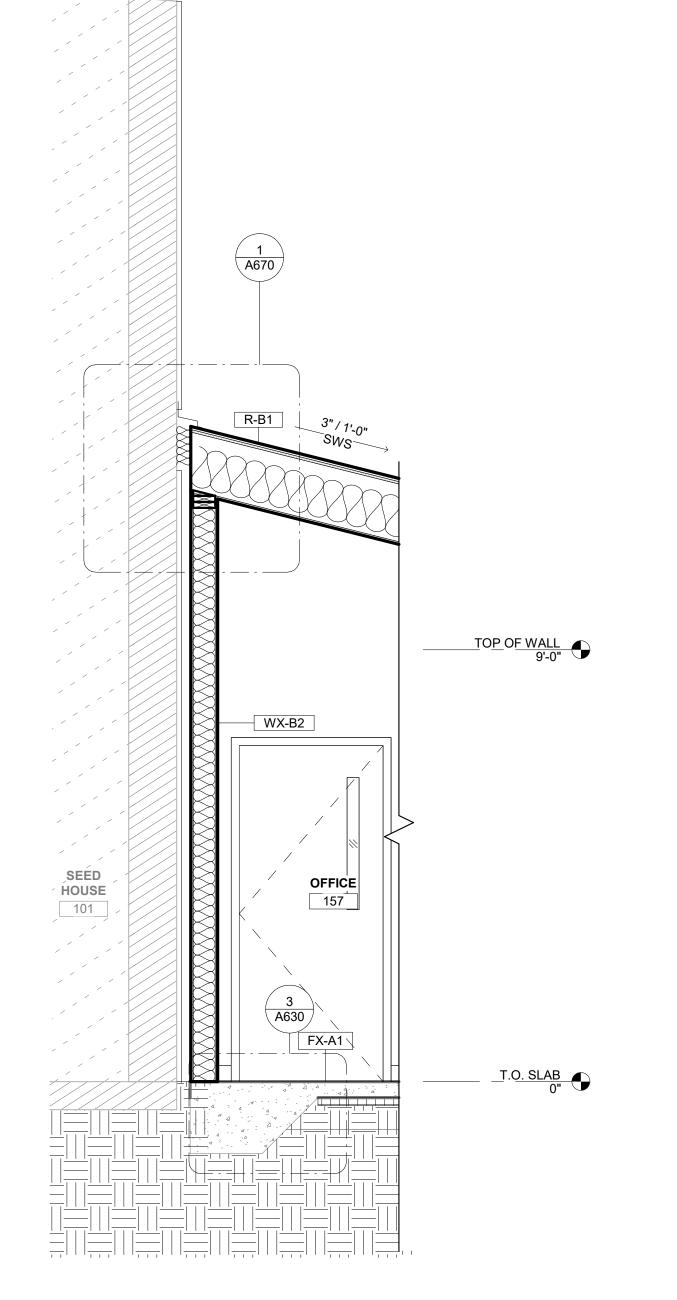


NO ARCHITECTURAL WORK THIS AREA

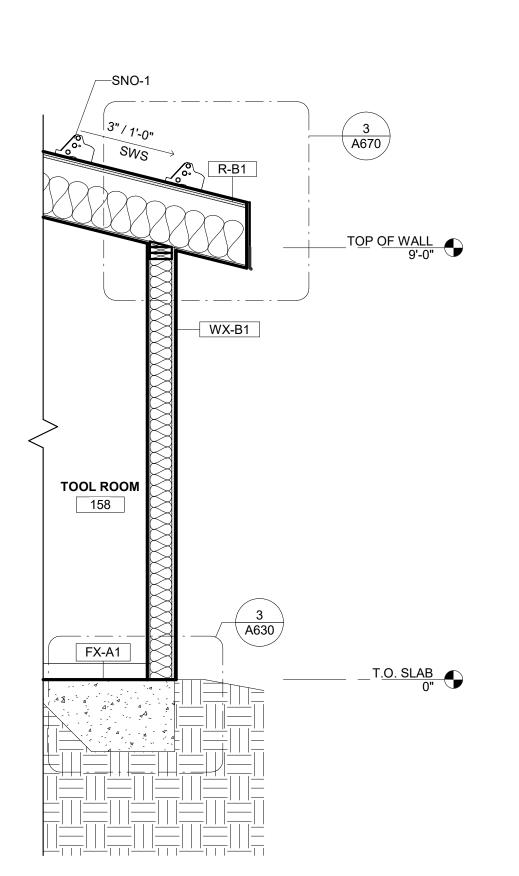


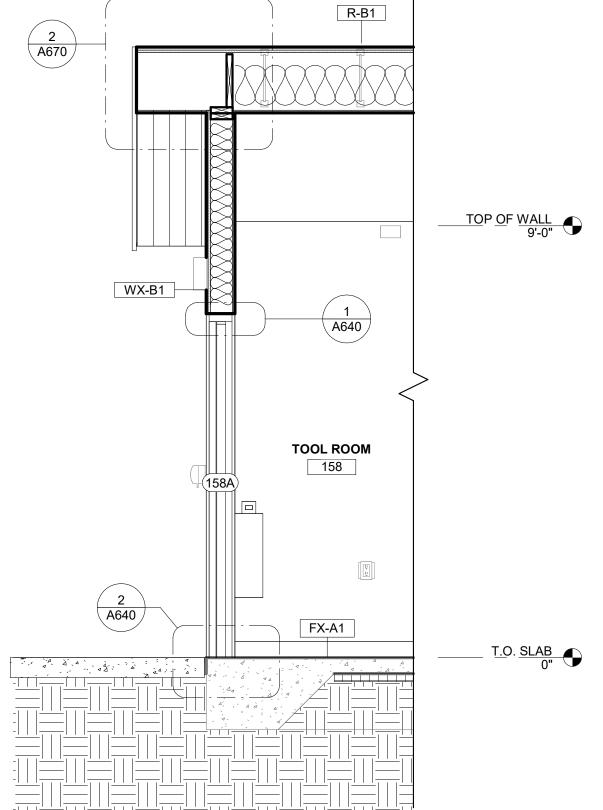
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1 WALL SECTION - EXTERIOR - AT SEISMIC GAP
A400 1/2" = 1'-0"





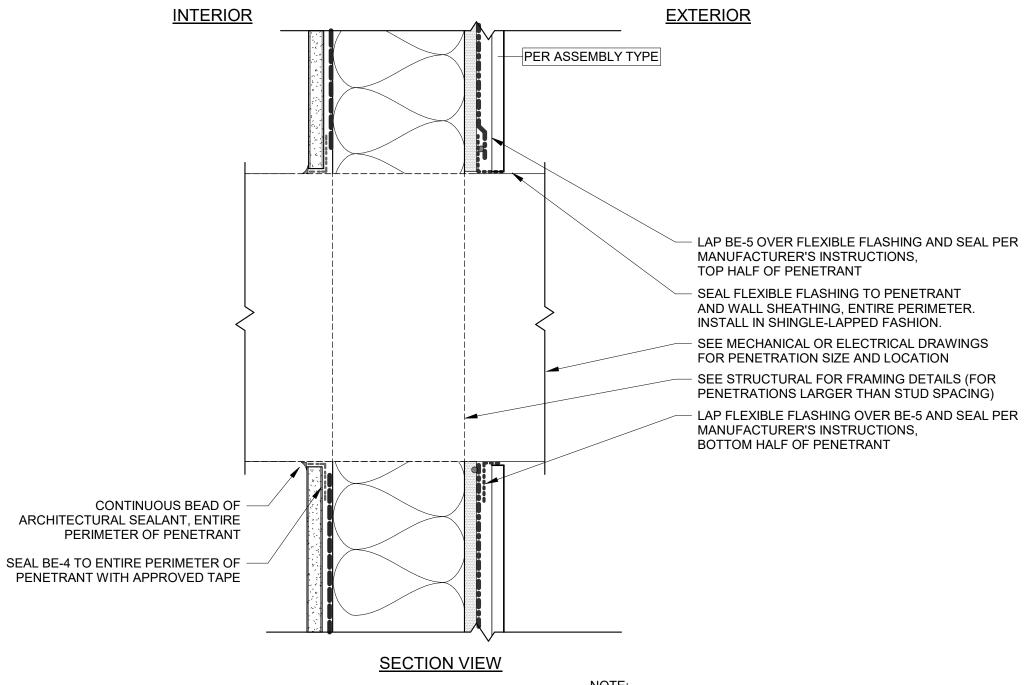
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SECTIONS -EXTERIOR WALL

SCALE

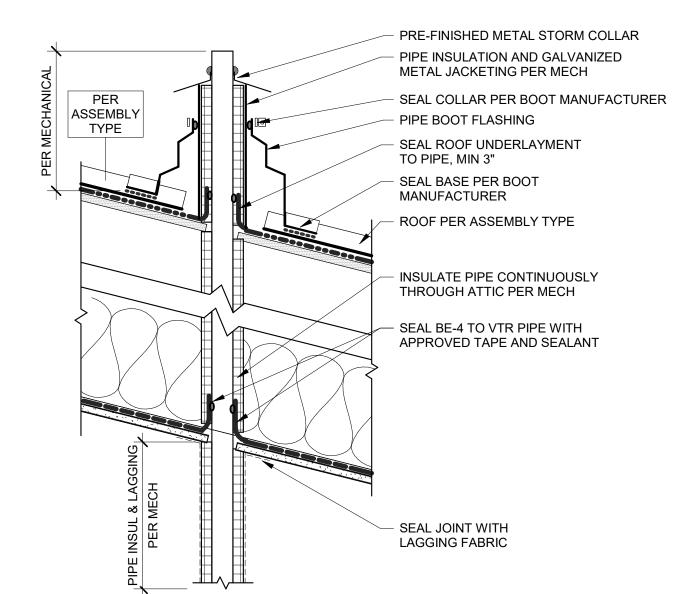
3 WALL SECTION - EXTERIOR - AT ROOF RAKE
A400 1/2" = 1'-0"



NOTE:
THIS DETAIL IS FOR SMALL PENETRATIONS THAT DO NOT REQUIRE PIPE/DUCT INSULATION OR FRAMING MODIFICATIONS

1 \ EXTERIOR DETAIL - TYPICAL - PENETRATION - RAINSCREEN

A610 / 3" = 1'-0"



2 EXTERIOR DETAIL - ROOF - SLOPED - PENETRATION - VTR A610 1 1/2" = 1'-0"

• BUILDING ENVELOPE DIAGRAMS ARE SIMPLIFIED FOR GRAPHIC CLARITY. • SEE SPECIFICATIONS, ASSEMBLY TYPES, AND EXTERIOR DETAILS FOR

**EXTERIOR DETAIL NOTES** 

C. EXTERIOR DETAILS SHOW BUILDING ENVELOPE LAYER CONTINUITY AT TRANSITIONS. CONSTRUCTION COMPONENTS MAY BE SIMPLIFIED OR OMITTED FOR

D. STRUCTURAL ELEMENTS INDICATED IN ARCHITECTURAL DRAWINGS PROVIDE CONTEXT, NOT A COMPLETE AND

ASSOCIATED MECHANICAL FASTENERS. F. SEE ELECTRICAL FOR EXTERIOR MOUNTED ITEMS,

INCLUDING, BUT NOT LIMITED TO LIGHTING,

WEATHER SEAL PER EXTERIOR DETAILS.

INDICATED HEREIN.

G. SEE MECHANICAL FOR EXTERIOR PENETRATIONS

AND WEATHER SEAL PER EXTERIOR DETAILS.

ACCURATE REPRESENTATION OF THE STRUCTURAL SYSTEM. REFER TO DETAILS ON S SHEETS FOR CONSTRUCTION OF STRUCTURAL SYSTEMS. E. SEE STRUCTURAL FOR LOAD BEARING MEMBERS AND

RECEPTACLES, SENSORS, SIGNAGE, ANTENNAE, PANELS,

CONDUIT, AND JUNCTION BOXES. PROVIDE BLOCKING AS

NEEDED, ATTACH TO PRIMARY FRAMING MEMBERS, AND

INCLUDING BUT NOT LIMITED TO LOUVERS, DUCTS, PIPES,

FLUES, HOSE BIBBS, AND UTILITIES. PROVIDE BLOCKING

AS NEEDED, ATTACH TO PRIMARY FRAMING MEMBERS,

ALARMS, PANELS, CONDUIT AND EQUIPMENT. PROVIDE

MEMBERS, AND WEATHER SEAL PER EXTERIOR DETAILS. PROVIDE PRE-FINISHED METAL FLASHING UNLESS NOTED OTHERWISE. PERFORATE AT VENTED ASSEMBLIES. J. PREPARE PENETRATIONS AND OPENINGS PER DETAILS

TREATED BLOCKING, ATTACH TO PRIMARY FRAMING

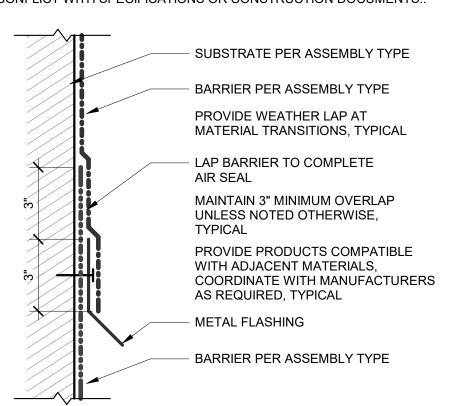
H. SEE FIRE PROTECTION FOR EXTERIOR PENETRATIONS INCLUDING BUT NOT LIMITED TO SPRINKLERS, PIPING,

AND LEGENDS.

INFORMATION.

CLARITY.

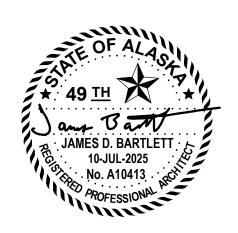
- MATERIAL PERFORMANCE CRITERIA AND INSTALLATION INFORMATION. • INSTALL MATERIALS IN SEQUENCE PER MANUFACTURERS INSTALLATION
- INSTRUCTION AS REQUIRED TO MAINTAIN WEATHER TIGHTNESS.
- NOTIFY ARCHITECT IF MANUFACTURER INSTALLATION INSTRUCTIONS CONFLICT WITH SPECIFICATIONS OR CONSTRUCTION DOCUMENTS..



3 EXTERIOR DETAIL - TYPICAL - BARRIER AND FLASHING TRANSITIONS A610 3" = 1'-0"

## A. SEE ARCHITECTURAL INFORMATION SHEETS FOR NOTES B. SEE INTERIOR ASSEMBLIES AND DETAILS FOR ADDITIONAL

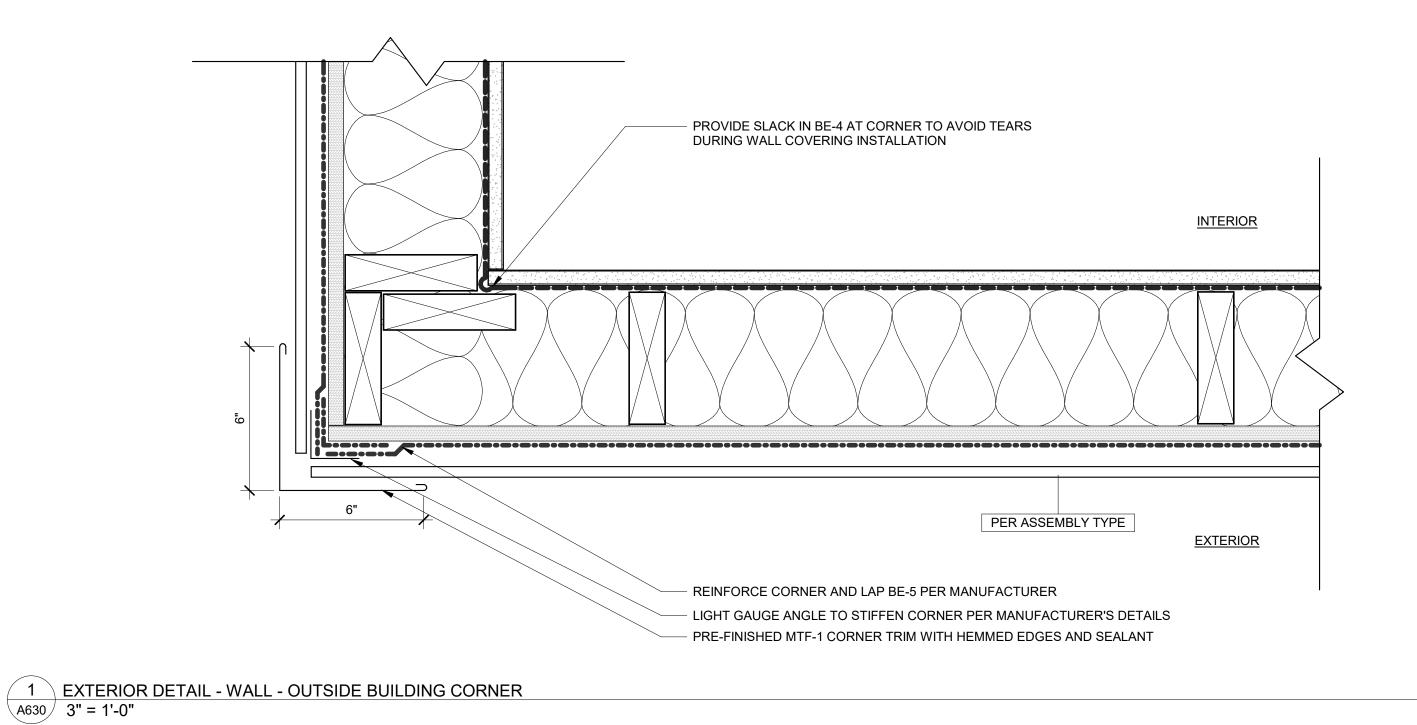
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**ARCHITECTURAL DETAILS** -**EXTERIOR TYPICAL** 





A. SEE FIRST SHEET IN SERIES FOR EXTERIOR DETAIL NOTES.

### **EXTERIOR DETAIL LEGEND**

EXISTING CONSTRUCTION

## **BUILDING ENVELOPE INDEX**

TYPE BASIS OF DESIGN - PER MATERIAL SCHEDULE
BE-4 POLYETHYLENE FILM (MIL PER SPEC)

BE-5 WRAP SHIELD SA BE-7 SLOPE SHIELD PLUS SA

BE-C1 VAPROSILICONE

JAMES D. BARTLETT

10-JUL-2025

No. A10413

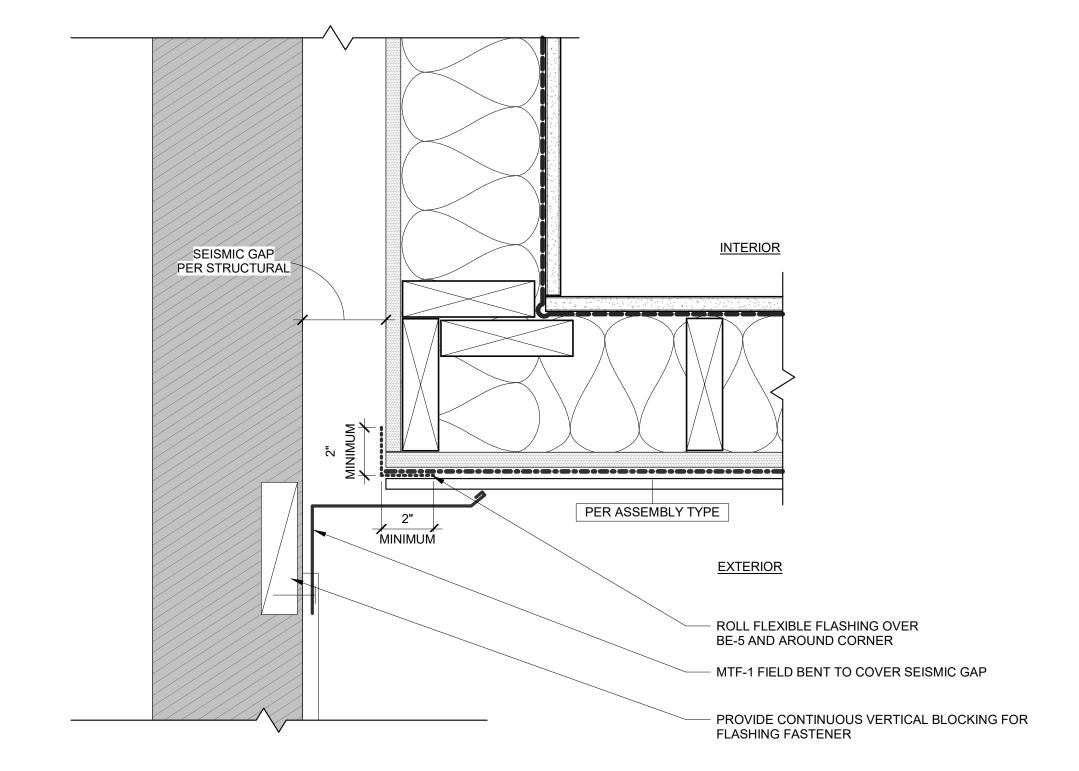
AROFESSIONAL

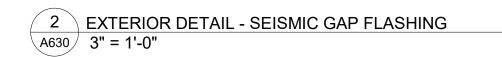
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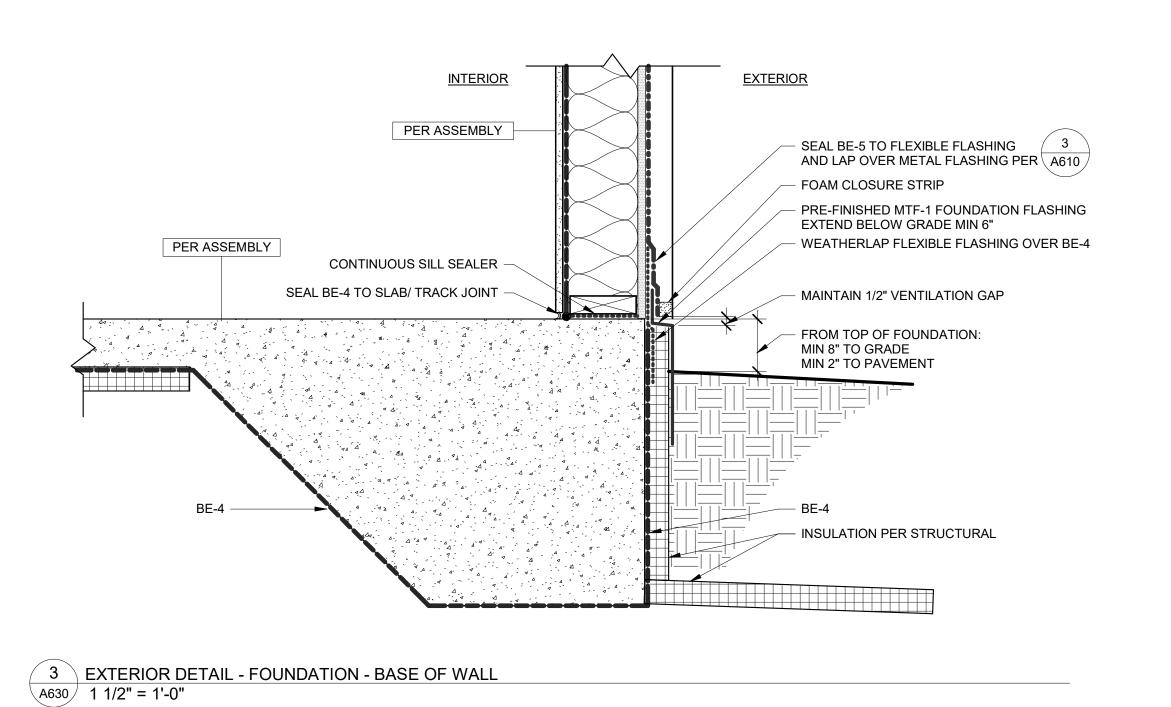
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630/ 3" = 1'-0"





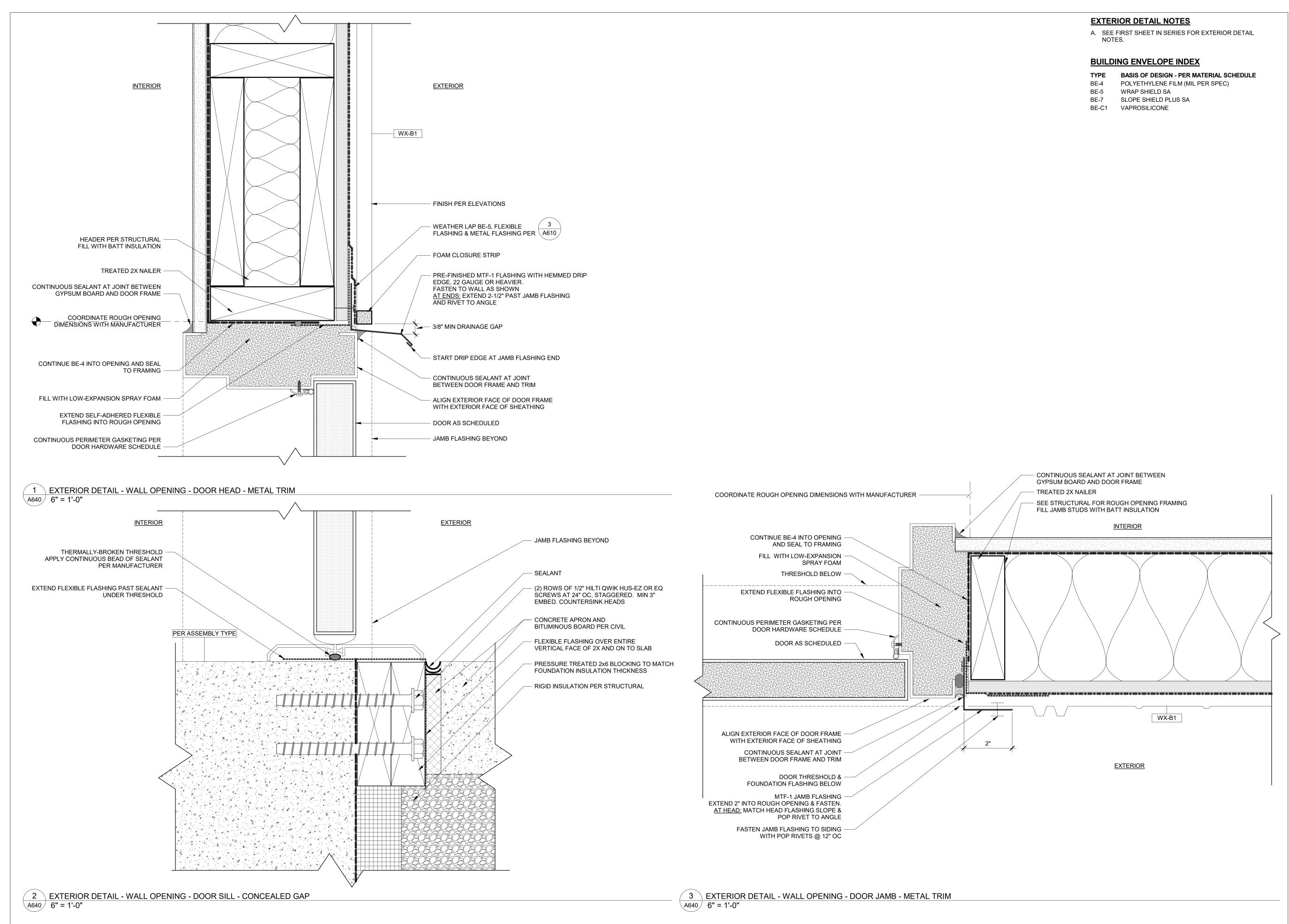


PMC SEED HOUSE ADDITION

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DESIGNED BY JB
DRAWN BY AAT
SCALE 0" 1"

ARCHITECTURAL DETAILS -EXTERIOR WALL

A630



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SCALE

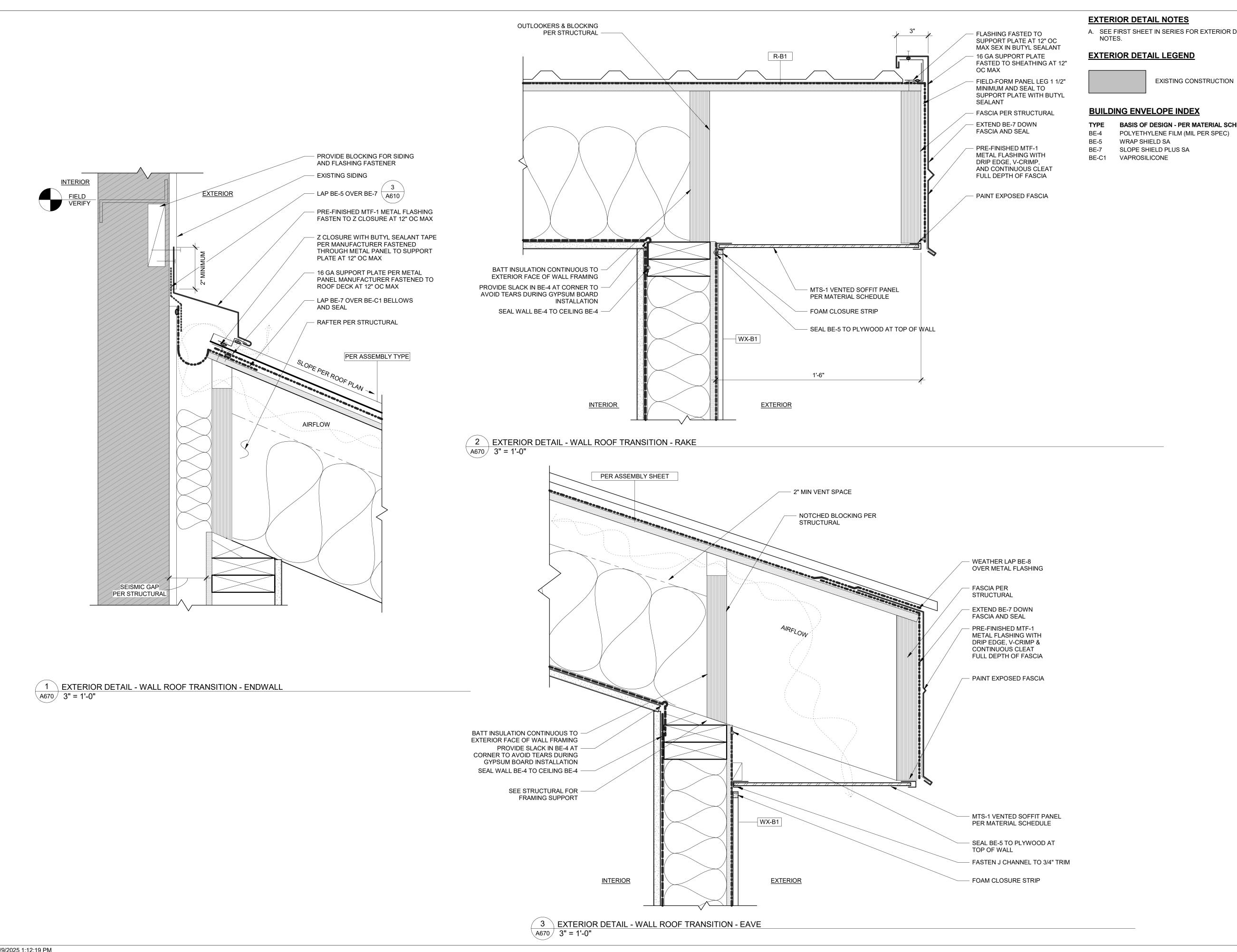
0" |----

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DETAILS -EXTERIOR WALL OPENING - DOORS

A640



A. SEE FIRST SHEET IN SERIES FOR EXTERIOR DETAIL

TYPE BASIS OF DESIGN - PER MATERIAL SCHEDULE

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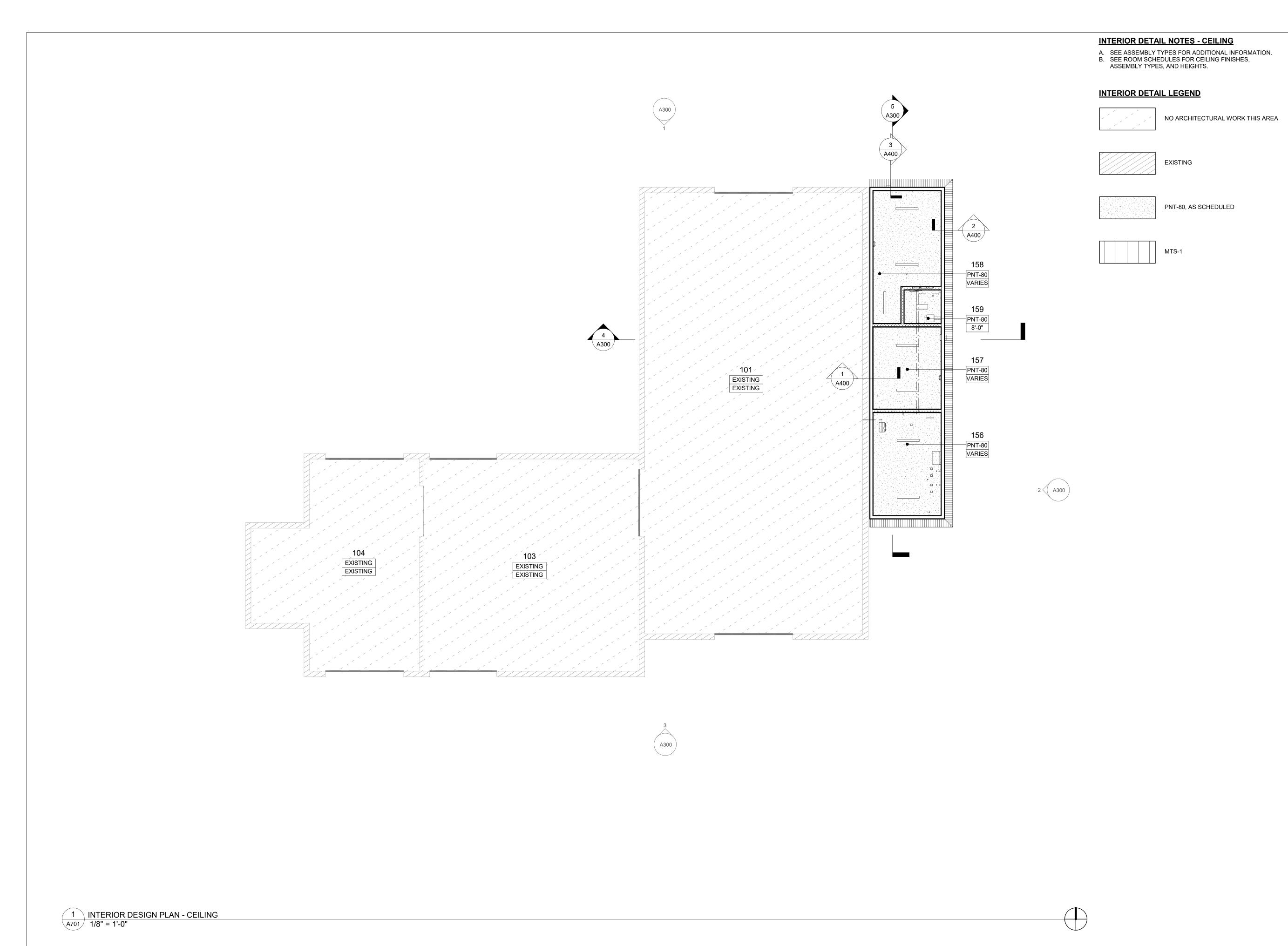
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ARCHITECTURAL **DETAILS** -**EXTERIOR ROOF** AND CANOPY



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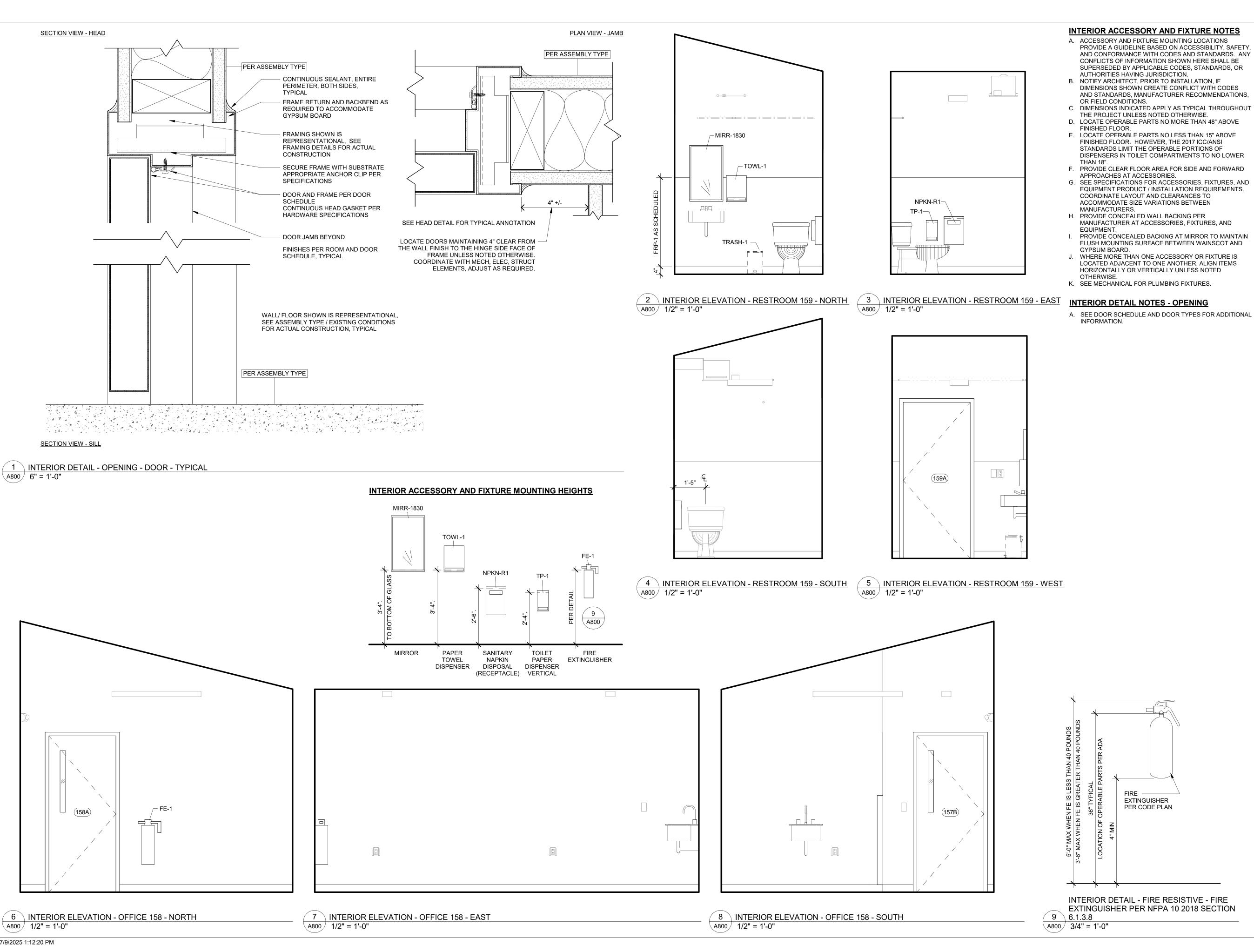


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INTERIOR DESIGN PLAN - CEILING

4701



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**INTERIOR ELEVATIONS & DETAILS** 

A800

### **GENERAL STRUCTURAL NOTES** A. DESIGN CRITERIA 2021 IBC (INTERNATIONAL BUILDING CODE) **BUILDING CODE** GOVERNING JURISDICTION. STATE OF ALASKA DEAD LOADS ROOF SUPERIMPOSED DEAD LOAD.. 20 PSF SNOW LOADS GROUND SNOW LOAD Pa FLAT ROOF SNOW LOAD P 35 PSF SNOW EXPOSURE FACTOR Ce 1.0 SNOW LOAD IMPORTANCE FACTOR I 1.0 THERMAL FACTOR Ct 1.0 WIND LOADS ULTIMATE DESIGN WIND SPEED VULT. 121 MPH NOMINAL DESIGN WIND SPEED VASD. 94 MPH RISK CATEGORY EXPOSURE. INTERNAL PRESSURE COEFFICIENT 0.18 FOR COMPONENTS AND CLADDING ULTIMATE DESIGN PRESSURES SEE 2 SEISMIC LOADS 0.70 1.2 0.79 6.5 D "DEFAULT" SITE CLASS. SEISMIC DESIGN CATEGORY. RISK CATEGORY. IMPORTANCE FACTOR. BASIC SEISMIC FORCE RESISTING SYSTEM. LIGHT FRAME WOOD WALLS SHEATHED WITH WOOD STRUCTURAL PANELS DESIGN BASE SHEAR.. 4.6 KIPS EQUIVALENT LATERAL FORCE METHOD ANALYSIS PROCEDURE. FOUNDATION DESIGN IS BASED ON A GEOTECHNICAL INVESTIGATION PREPARED BY HDL DATED JUNE 2025. ALLOWABLE SOIL BEARING PRESSURE: 3,000 PSF ALL ORGANIC AND/ OR OTHER UNSUITABLE MATERIAL SHALL BE REMOVED FROM SUB-GRADE AND BACKFILLED WITH STRUCTURAL FILL. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PREVENT ANY FROST OR ICE FROM PENETRATING ANY FOOTING OR SLAB SUB-GRADE BEFORE AND AFTER PLACING CONCRETE UNTIL SUCH SUB-GRADES ARE PERMANENTLY PROTECTED BY THE BUILDING STRUCTURE. AT PERIMETER FOUNDATION WALLS, BRING GRADE UP EVENLY (WITH MAXIMUM 6" LIFTS) ON EACH SIDE OF WALL TO FINAL ELEVATIONS. ALL CAST-IN-PLACE CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH (fc) OF CONCRETE SHALL MEET ALL REQUIREMENTS OF ACI 301 SPECIFICATION FOR STRUCTURAL CONCRETE BUILDINGS. ALL PERMANENTLY EXPOSED CONCRETE EDGES TO BE CHAMFERED 3/4", UNLESS NOTED OTHERWISE PROVIDE SLEEVES FOR ALL UTILITY OPENINGS. DIMENSIONS SHOWN ON DRAWING SHALL SUPERSEDE THOSE SHOWN ON GENERAL NOTES. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60. DETAIL REINFORCING BARS IN ACCORDANCE WITH THE ACI DETAILING MANUAL AND THE ACI BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, LATEST EDITION. HORIZONTAL FOUNDATION REINFORCING SHALL BE CONTINUOUS AROUND CORNERS AND INTERSECTIONS; PROVIDE CORNER BARS. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING AT POSITIONS SHOWN ON THE DRAWINGS. PROVIDE SUFFICIENT TIE BARS TO SUPPORT ALL REINFORCING. DO NOT CUT ANY REINFORCEMENT AT OPENINGS. UNLESS A REINFORCING SPLICE, CLEAR DISTANCE BETWEEN REINFORCING SHALL NOT BE LESS THAN 1.5 BAR DIAMETERS NOR LESS THAN 1 1/2". MINIMUM LAP SPLICE LENGTHS FOR CONCRETE REINFORCING BARS SHALL BE AS FOLLOWS: SPLICES WITH 12" OR MORE OF FRESH CONCRETE PLACED BENEATH: 80 BAR DIAMETERS ALL OTHER SPLICES: 62 BAR DIAMETERS PROVIDE REINFORCEMENT COVER AS FOLLOWS (ACI 7.7), UNLESS NOTED OTHERWISE ON DRAWINGS: CONCRETE POURED AGAINST EARTH ............ 3" ±3/8" CONCRETE EXPOSED TO EARTH OR WEATHER: NO. 5 OR SMALLER. CONCRETE NOT EXPOSED TO EARTH OR WEATHER: NO. 11 OR SMALLER ... ... PLACE REINFORCING CENTERED IN SLAB CONCRETE SLABS ON GRADE . ANCHOR BOLTS FOR HOLD DOWNS SHALL BE ASTM F1554 GRADE 36 HEAVY HEX HEAD UNO. ANCHOR BOLTS ARE TO BE ACCURATELY PLACED WITH SETTING TEMPLATES. WHERE ANCHOR BOLT PROJECTION IS NOT SPECIFIED, BOLTS SHALL EXTEND PAST FACE OF NUT BY AT LEAST ONE FULL THREAD. <u>D. POST-INSTALLED ANCHORS</u> POST-INSTALLED ANCHORS SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE: <u>CONCRETE</u> **SCREW ANCHORS** HILTI KH-EZ <u>OR</u> SIMPSON TITEN HD • EXTERIOR: SIMPSON TITEN HD, 316 STAINLESS INSTALL POST-INSTALLED ANCHORS ONLY AS INDICATED ON THE DRAWINGS OR WITH SPECIFIC WRITTEN APPROVAL OF THE ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR MAY NOT USE SUBSTITUTES FOR THE POST-INSTALLED ANCHORS WITHOUT PRIOR APPROVAL OF THE ENGINEER. SEE DRAWINGS FOR ANCHOR TYPE, SIZE, AND EMBEDMENT DEPTHS. INSTALL ANCHORS AS OUTLINED IN MANUFACTURER'S SPECIFICATIONS AND ICC REPORTS. UTILIZE PROPER DRILL TYPE, BIT SIZE, AND HOLE CLEANING, DRIVING OR TIGHTENING TECHNIQUES, UNLESS NOTED OTHERWISE.

. WOOD CONSTRUCTION ALL FRAME LUMBER SHALL BE DOUG FIR/ LARCH NO. 2 OR BETTER/ EQUAL LAMINATED VENEER LUMBER (LVL) SHALL MEET THE FOLLOWING MINIMUM CRITERIA

E = 2.000.000 PSI

BOLTS USED IN WOOD CONNECTIONS SHALL BE ASTM A307.

FASTENERS IN PRESERVATIVE-TREATED AND FIRE-RETARDANT-TREATED WOOD SHALL BE OF HOT DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. THE COATING WEIGHTS FOR ZINC-COATED FASTENERS SHALL BE IN ACCORDANCE WITH ASTM A153.

A PROTECTIVE COATING SHALL BE APPLIED TO FIELD-CUT ENDS OF TREATED, EXTERIOR-USE WOOD CONSISTENT WITH ITS NATURAL FINISH.

FRAMING AND FASTENERS NOT SHOWN SHALL CONFORM WITH IBC CHAPTER 23 TABLE 2304.10.2. CUTTING, DRILLING, AND NOTCHING OF CONVENTIONAL LIGHT LUMBER FRAMING SHALL COMPLY WITH THE

FOLLOWING IBC STANDARDS: WALL FRAMING: 2308.5.8 THRU 2308.5.10 FLOOR JOISTS: 2308.4.2.4

ROOF JOISTS: 2308.7.4

CONTRACTOR IS TO FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS TO MATCH NEW CONSTRUCTION TO **EXISTING CONSTRUCTION.** 

THE STRUCTURAL CONSTRUCTION DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OR SEQUENCE OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO: BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES FOR PROCEDURE OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS AND THE PROGRAMS INCIDENT THERETO (NOR SHALL OBSERVATION VISITS TO THE SITE INCLUDE INSPECTION OF THESE ITEMS).

STRUCTURAL DRAWINGS ARE A PORTION OF THE CONTRACT DOCUMENTS AND ARE INTENDED TO BE USED WITH ARCHITECTURAL, CIVIL, MECHANICAL, AND ELECTRICAL DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE REQUIREMENTS FROM THESE DISCIPLINES INTO THEIR SHOP DRAWINGS AND WORK.

CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL SCAFFOLDING, BRACING AND SHORING.

CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED CONSTRUCTION. LOADS SHALL NOT EXCEED THE DESIGN LIVE LOAD.

ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL WITH THE APPROPRIATE TRADES, DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.

DO NOT USE SCALED DIMENSIONS TAKEN FROM STRUCTURAL DRAWINGS. CONTACT STRUCTURAL ENGINEER IF DIMENSIONAL INFORMATION IS MISSING.

ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF ALASKA.

- EXISTING BUILDING

36 PSF

0 PSF

ROOF PLAN (A)

/— EXISTING BUILDING ——/

/17 PSF/

ROOF PLAN (B)

DIAGRAM (B) ONLY SHOWS SNOW SURCHARGE CONDITION CAUSED FROM SLIDING SNOW CONDITION FROM THE UPPER ROOF ONTO THE LOWER ROOF

SLIDING SNOW CONDITION NEED NOT BE USED IN COMBINATION WITH DRIFT

DIAGRAM (A) ONLY SHOWS SNOW SURCHARGE DRIFTING CONDITION

FLAT ROOF SNOW LOAD PER GENERAL NOTES ON THIS SHEET

CAUSED BY HIGH TO LOW DRIFT

SNOW CONDITION

1 ROOF SNOW DRIFT PLAN

S001 NOT TO SCALE

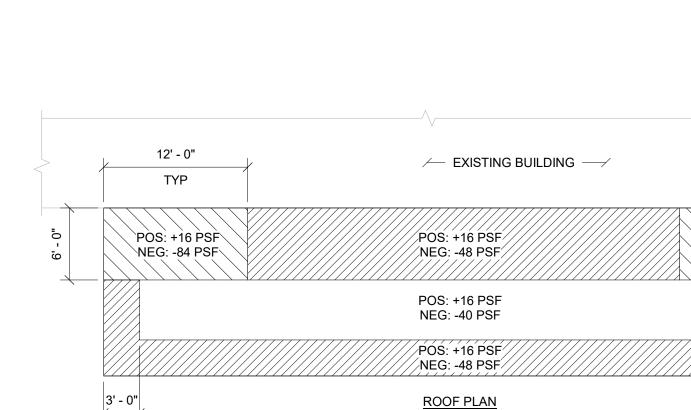
### **SPECIAL INSPECTIONS**

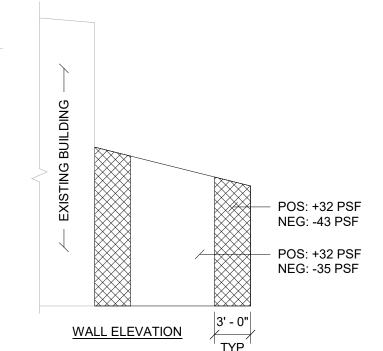
### THE FOLLOWING STRUCTURAL ITEMS REQUIRE SPECIAL INSPECTION PER IBC SECTIONS 1704-1707. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR INSPECTION AND TESTING THAT ARE NOT PART OF SPECIAL INSPECTIONS.

CONTINUOUS: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED.

PERIODIC: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED.

REFERENCE  REFERENCE  DIVISION #03 - CONCRETE  CONCRETE  CONCRETE  INSPECT REINFORCEMENT  TABLE 1705.3  ACI 318-19: CH. 20, 25.2, 26.6.1 - 26.6.3  X  ALL REINFORCEMENT  INSPECT ANCHORS CAST IN  CONCRETE  TABLE 1705.3  ACI 318-19: 26.7, 26.13.3.3(g)  X  ALL BOLTS VISUALL  SPECIAL INSPECTION PRODUCT NAME, TY HOLE DIMENSIONS, BIT REQUIREMENTS INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE  TABLE 1705.3  ACI 318-19: 26.7, 26.13.3.2(g)  ACI 318-19: 26.7, 26.13.3.2(g)  TABLE 1705.3  ACI 318-19: 26.7, 26.13.3.2(g)  ACI 318-19: 26.7, 26.13.3.2(g)  ACI 318-19: 26.7, 36.13.3.2(g)  ACI 318-19: 26.7, 36.13		
DIVISION #03 - CONCRETE  CONCRETE  CONCRETE  INSPECT REINFORCEMENT  TABLE 1705.3  ACI 318-19: CH. 20, 25.2, 25.3, 26.6.1 - 26.6.3  INSPECT ANCHORS CAST IN CONCRETE  TABLE 1705.3  ACI 318-19: 26.7, 26.13.3.3(g)  SPECIAL INSPECT ANCHORS CAST IN CONCRETE  TABLE 1705.3  ACI 318-19: 26.7, 26.13.3.2(g)  SPECIAL INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE  TABLE 1705.3  ACI 318-19: 26.7, 6.13.3.2(g)  ACI 318-19: 26.7, 6.13.3.2(g)  INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE  INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES, VERIFY USE OF APPROVED MIX DESIGN  INSPECT CONCRETE PLACEMENT 1904-2  INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION 1904-2  INSPECT CONCRETE PLACEMENT TO PROPER APPLICATION 1904-2  ACI 318-19: 26.5, 26.13.3  X  ACI 318-19: 26.5, 26.13.3  ACI 318-19: 26.5,	EMARKS	
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DIVISION #31 - EARTHWORK	VISUALLY INSPECTED	
SOILS		
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY  TABLE 1705.6 BY THE GEOTECHNI OTHER APPROVED		
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL  TABLE 1705.6  TABLE 1705.6		
PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY  TABLE 1705.6  BY THE GEOTECHNI OTHER APPROVED		





COMPONENTS AND CLADDING ULTIMATE DESIGN PRESSURE IN PSF FOR EFFECTIVE AREA OF 0-10 SF ARE LISTED (SEE FIG 30.4-1 THROUGH 30.4-7, ASCE 7-16)

POS: +16 PSF

NEG: -84 PSF

LOWER PRESSURES USING LARGER ÉFFECTIVE AREAS AS DEFINED BY ASCE 7-16 ARE PERMITTED LISTED PRESSURES CAN BE CONVERTED TO ASD LOADS BY APPLYING A LOAD FACTOR OF 0.6

S001/ NOT TO SCALE

2 \ COMPONENT AND CLADDING WIND LOADING DIAGRAM

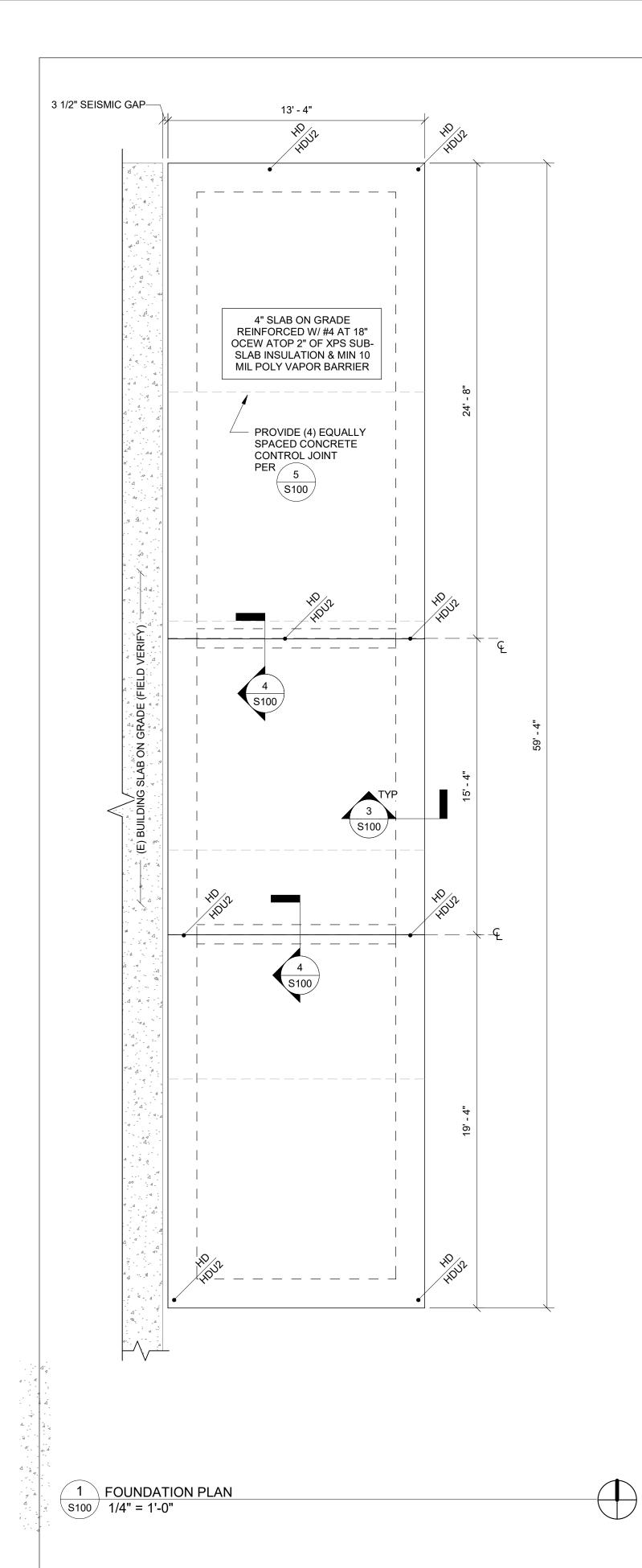
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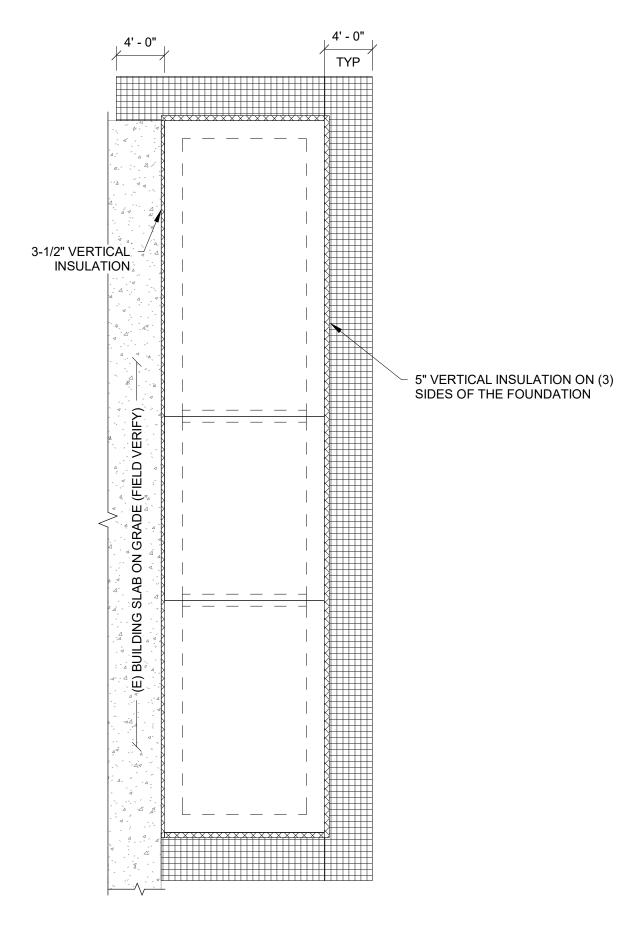
Samuel M. Mitchel 07-JUL-2025

PMC SEED HOUSE **ADDITION** 

**ISSUE DATE** 10 JUL 2025 COMM. NUMBER **DESIGNED BY** DRAWN BY

**GENERAL STRUCTURAL** NOTES

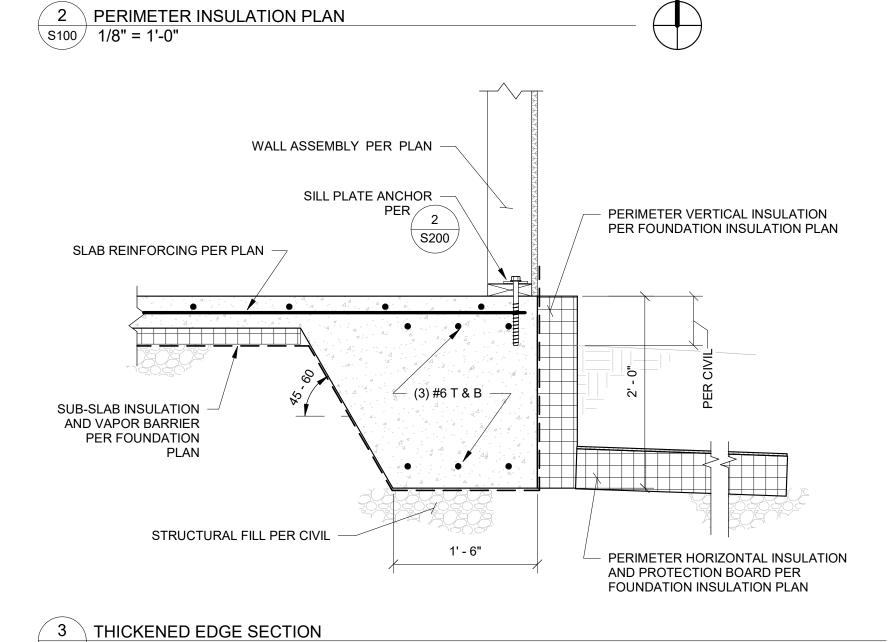




## PERIMETER INSULATION NOTES:

\s100 / 1" = 1'-0"

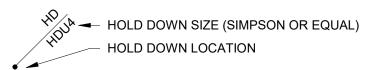
- INSULATION AND INSULATION PROTECTION IS PART OF THE FOUNDATION FROST PROTECTION SYSTEM AND IS DESIGNED IN ACCORDANCE WITH ASCE
- INSULATION TYPE SHALL BE 5" THICK XPS INSULATION (40PSI) ALL LOCATIONS PORTIONS OF INSULATION THAT EXTEND BEYOND 24" FROM THE FACE OF THE BUILDING AND NOT UNDER PAVED SURFACES SHALL BE PROTECTED THROUGH THE USE OF A DURABLE SHEET GOOD PLACED ATOP INSULATION.
- 3/8" NOMINAL PT PLYWOOD OR SIM STAGGER INSULATION JOINTS WHEN PLACED IN LAYERS

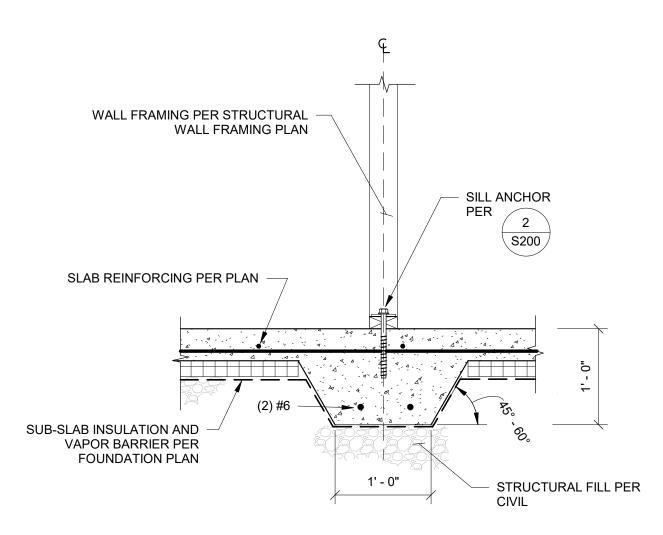


## **FOUNDATION LEGEND**

— — FOUNDATION ELEMENT BEYOND

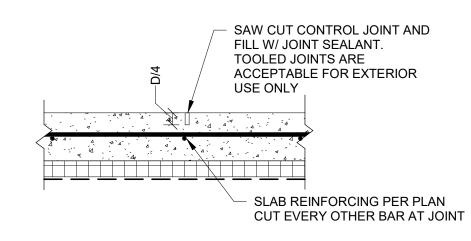
CONCRETE CONTROL JOINT



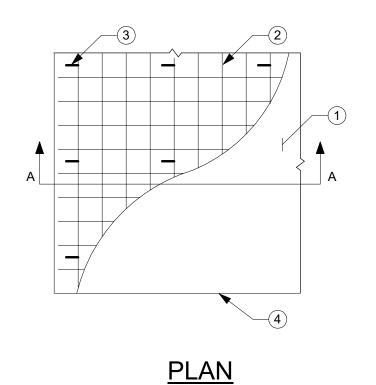


4 GRADE BEAM SECTION

S100 | 1" = 1'-0"

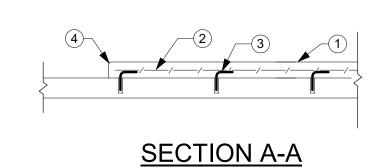


5 CONCRETE CONTROL JOINT S100 1" = 1'-0"



SPECIFIC NOTES

- 1 HOUSEKEEPING PAD PLAN DIMENSIONS AND THICKNESS ARE DEPENDENT ON EQUIPMENT. SEE MECHANICAL / ELECTRICAL EQUIPMENT SCHEDULE. MIN 4" PAD THICKNESS WHEN NOT SPECIFIED ELSEWHERE. TROWEL FINISH UNO.
- (2) #3 AT 15" OCEW, CENTERED IN PAD
- (3) #3 EPOXY DOWELS AT 24" OCEW W/ 4 1/2" LEGS. DRILL AND EPOXY W/ 2 1/2" EMBED, MIN 3" EDGE DISTANCE TO EDGE OF PAD
- (4) CHAMFER EXPOSED EDGES 3/4"



6 TYPICAL - M&E - HOUSEKEEPING PAD - CONCRETE S100 1/2" = 1'-0"

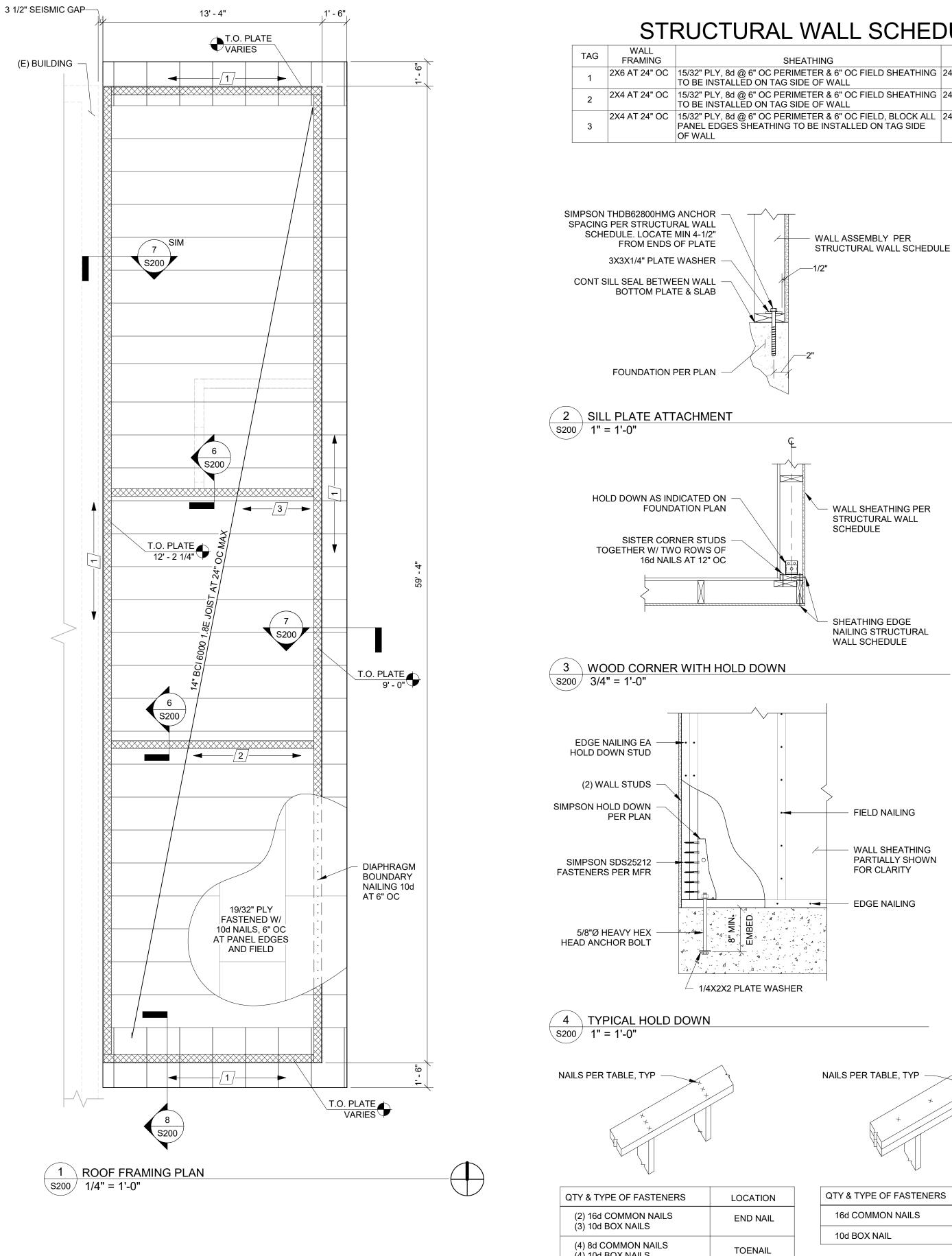
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## PMC SEED HOUSE **ADDITION**

ISSUE DATE 10 JUL 2025 COMM. NUMBER 862501 DESIGNED BY DRAWN BY

FOUNDATION PLAN AND **DETAILS** 



(4) 10d BOX NAILS

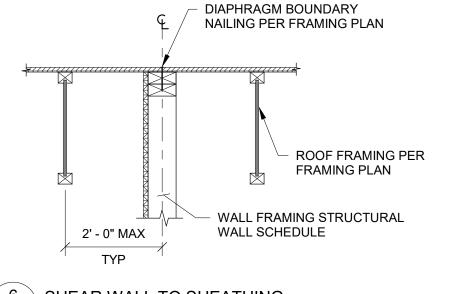
S200 3/4" = 1'-0"

STUD TO TOP OR BOTTOM PLATE

5 TYPICAL IBC FASTENING DETAILS

## STRUCTURAL WALL SCHEDULE

	<b>O</b> 1 1	<b>-</b>	
TAG	WALL FRAMING	SHEATHING	SILL PLATE ANCHOR SPACING
1	2X6 AT 24" OC	15/32" PLY, 8d @ 6" OC PERIMETER & 6" OC FIELD SHEATHING TO BE INSTALLED ON TAG SIDE OF WALL	24" OC
2	2X4 AT 24" OC	15/32" PLY, 8d @ 6" OC PERIMETER & 6" OC FIELD SHEATHING TO BE INSTALLED ON TAG SIDE OF WALL	24" OC
3	2X4 AT 24" OC	15/32" PLY, 8d @ 6" OC PERIMETER & 6" OC FIELD, BLOCK ALL PANEL EDGES SHEATHING TO BE INSTALLED ON TAG SIDE OF WALL	24" OC



6 SHEAR WALL TO SHEATHING \s200/ 1" = 1'-0"

## **GENERAL NOTES**

- SLAB EDGE IS FLUSH WITH EXTERIOR FACE OF SHEATHING. FRAME WALLS WITH DOUBLE TOP PLATES. TOP PLATE SPLICES
- SHALL CONFORM WITH IBC CHAPTER 23 TABLE 2304.10.1. SEE ARCH AND MECH DRAWINGS FOR WALL OPENINGS.

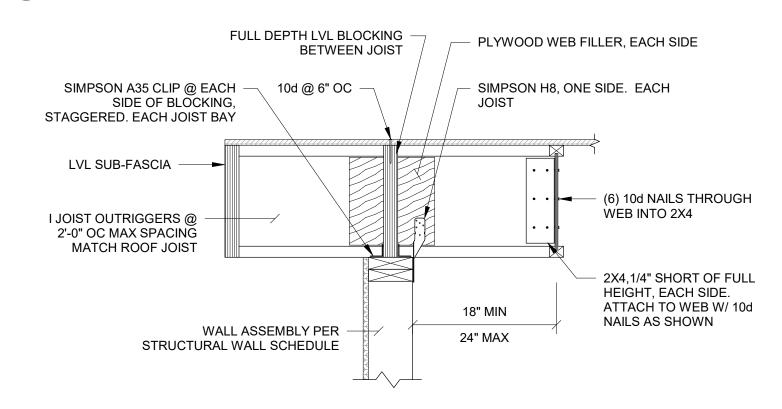
## INSTALL WALL SHEATHING ON TAG SIDE OF WALL. STRUCTURAL WALL LEGEND

STRUCTURAL WALL NON-STRUCTURAL WALL

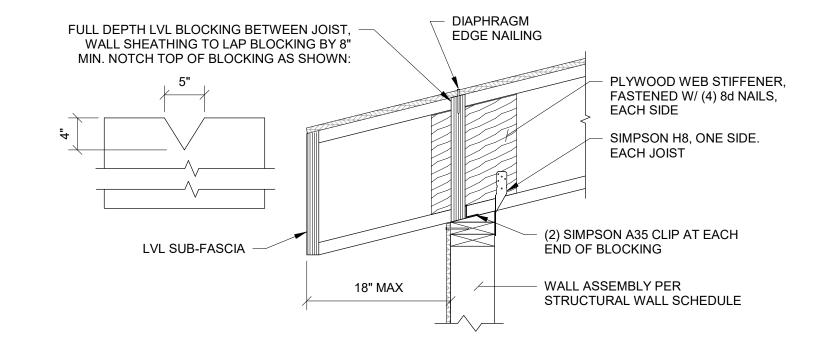
NOTE: FASTENERS INDICATED ARE "COMMON" NAILS AND MUST CONFORM TO THE FOLLOWING LENGTH & DIAMETERS:

8d: 2-1/2" x 0.131"Ø

10d: 3" x 0.148"Ø 16d: 3-1/2" x 0.162"Ø

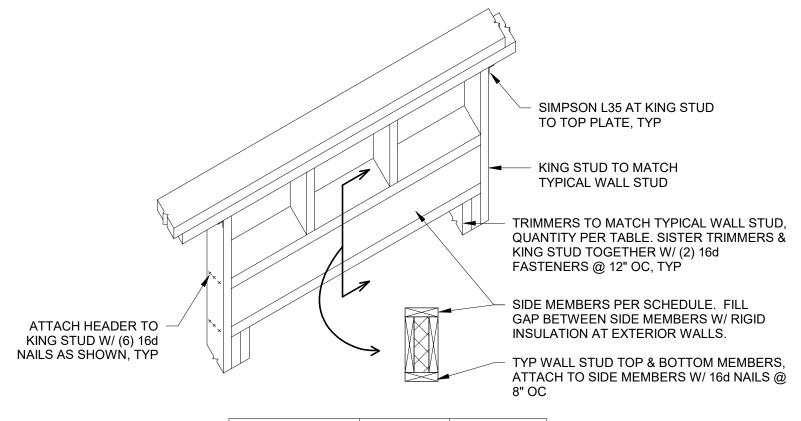


7 ROOF I-JOIST OVERHANG - PARALLEL \s200 / 1" = 1'-0"



8 ROOF I-JOIST OVERHANG - PERP

S200 1" = 1'-0"



# TRIMMERS CLEAR OPENING SIDE WIDTH MEMBERS PER END (2) 0'-0" TO 4'-0"

SPACING

16" OC

12" OC

TOP PLATE TO TOP PLATE

9 WOOD HEADER 8200 3/4" = 1'-0"



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PMC SEED HOUSE **ADDITION** 

ISSUE DATE 10 JUL 2025 COMM. NUMBER DESIGNED BY DRAWN BY

**ROOF FRAMING** PLAN AND **DETAILS** 

ABBREVIATION	FULL NAME	ABBREVIATION	FULL NAME
ŧ	NUMBER	Gl	GALVANIZED IRON
<u>k</u>	AND	НВ	HOSE BIBB
E)	EXISTING	HW	HOT WATER
۸FF	ABOVE FINISHED FLOOR	ID	INSIDE DIAMETER
\GT	AVERAGE GLYCOL TEMPERATURE	IE	INVERT ELEVATION
\PPR	APPROVED	INSUL	INSULATION
APPROX	APPROXIMATE	IPS	IRON PIPE SIZE
ARCH	ARCHITECTURAL	LWT	LEAVING WATER TEMPERATURE
ASSOC	ASSOCIATED	MAX	MAXIMUM
AUTO	AUTOMATIC	MECH	MECHANICAL
BAL	BALANCING	MIN	MINIMUM
3FF	BELOW FINISHED FLOOR	MTR	MOTOR
3FP	BACKFLOW PREVENTER	NC	NORMALLY CLOSED
	COMMON	NC	NOISE CRITERIA
CA	COMPRESSED AIR	NG	NATURAL GAS
CLG	COOLING	NIC	NOT IN CONTRACT
00	CLEAN OUT	NO	NORMALLY OPEN
Cv	VALVE COEFFICIENT	OAT	OUTSIDE AIR TEMPERATURE
CW	COLD WATER	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLE
OB	DECIBEL	OFOI	OWNER FURNISHED, OWNER INSTALLED
OB	DRY BULB	OSA	OUTSIDE AIR
OI.	DUCTILE IRON	P&T	PRESSURE AND TEMPERATURE
DIA	DIAMETER	PD	PRESSURE DROP
ON .	DOWN	PH	PHASE
OWDI	DOUBLE WIDTH, DOUBLE INLET	PRDV	PRESSURE REDUCING VALVE
EA	EXHAUST AIR	PRV	PRESSURE RELIEF VALVE
-A EF	EXHAUST FAN	RHW	RECIRCULATING HOT WATER
-ı EGT	ENTERING GLYCOL TEMPERATURE	RPM	REVOLUTIONS PER MINUTE
ELEC	ELECTRICAL	SP	STATIC PRESSURE
ESP	EXTERNAL STATIC PRESSURE	TYP	TYPICAL
EXIST	EXISTING	V	VENT
-XIS1	FORWARD CURVED	V	VARIABLE AIR VOLUME
-CO	FLOOR CLEAN OUT	VAV	VERTICAL
-CO -D			
	FLOOR DRAIN	VTR w	VENT THROUGH ROOF
FLA	FULL LOAD AMPERAGE	W W/	WASTE
FLEX	FLEXIBLE	W/	WITH
GA	GALVANIZED	W/O	WALL CLEAN OUT
GALV	GALVANIZED	WCO	WALL CLEAN OUT
GHR	GLYCOL HEATING SUPPLY	WHA	WATER HAMMER ARRESTOR
GHS	GLYCOL HEATING SUPPLY	YCO	YARD CLEANOUT

ABBREVIATION	FULL NAME	LINETYPE					
W	WASTE						
V	VENT						
CW	COLD WATER						
HW	HOT WATER						
GHS	GLYCOL HEATING SUPPLY						
GHR	GLYCOL HEATING RETURN						
NG	NATURAL GAS						
	EXISTING						
	EXISTING TO BE REMOVED						
	EXISTING PIPING/DUCTWORK/ EQUIPMENT TO BE REMOVED						

## MECHANICAL TAG LEGEND

PIPE TAG

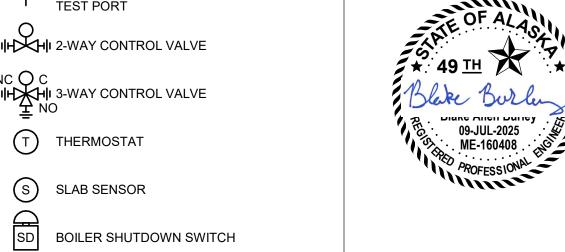
NOMINAL PIPE SIZE

SYSTEM ABBREVIATION

BALANCI	E VALVE SC	HEDULE
DIAMETER (IN)	MINIMUM FLOW (GPM)	MAXIMUM FLOW (GPM)
1/2	0.5	2
3/4	2.5	3
1	4	8
1-1/4	9	18
1-1/2	19	30
2	31	60

—— SYSTEM A	BBREVIATION
DIDE O	OLIEDLII E
PIPE S	CHEDULE
DIAMETER	MAXIMUM
(IN)	DESIGN GPM
3/4	3
1	7
1-1/4	13
1-1/2	21

### MECHANICAL SYMBOLS | PUMP CONNECTION TO EXISTING ISOLATION VALVE → DUCT FLOW ARROW CHECK VALVE PRESSURE GAUGE AIR VENT BALANCE VALVE PIPE FLOW ARROW PRESSURE & TEMPERATURE TEST PORT PRESSURE RELIEF VALVE PIPE CONNECTION IH 2-WAY CONTROL VALVE PIPE ELBOW TURNED DOWN NC O C IH HI 3-WAY CONTROL VALVE INO DRAIN VALVE —O PIPE ELBOW TURNED UP



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## BOILER SYSTEM SEQUENCE OF OPERATION

- 1. WIRE LINE VOLTAGE EMERGENCY BOILER SHUTDOWN SWITCH IN SERIES USING SINGLE POLE MAINTAINED CONTACT MUSHROOM SWITCH WITH RED ACTUATOR SO THAT DEPRESSION OF SWITCH SHUTS DOWN ALL BOILERS. PROVIDE APPROPRIATE LABEL ON SWITCH.
- OPERATE EQUIPMENT BASED ON CONTROLS INTEGRAL TO B-1 & B-2 WITH THE FOLLOWING PARAMETERS. PROVIDE ALL SENSORS AND WIRING AS NECESSARY TO CONTROL EQUIPMENT AS INDICATED.
- 3. SUPPLY TEMPERATURE SETPOINT SHALL BE RESET BASED ON OAT.

→ HOSE BIBB

S PIPE BREAK

THERMOMETER

- A. WHEN OAT IS LESS THAN -15 DEGREES F, GHS = 150 DEGREES F.B. WHEN OAT IS GREATER THAN 45 DEGREES F, GHS = 100 DEGREES F.
- 4. BOILERS OPERATE TO MEET HEATING SYSTEM SETPOINT BASED ON CASCADING LEAD LAG CONTROL AND MODULATE TO PROVIDE OPTIMUM EFFICIENCY AND REDUCE CYCLING.
- 5. OPERATE/MODULATE BOILER CIRCULATION PUMP BASED ON INPUT FROM BOILER
- CONTROLLER.
  6. LEAD CIRCULATOR (EITHER <u>P-1A</u> OR <u>P-1B</u>) IS ENABLED CONTINUOUSLY WHEN OUTSIDE AIR TEMPERATURE FALLS BELOW 60 DEGREES F. PUMPS OPERATE IN A LEAD/LAG MODULATING ARRANGEMENT BASED ON BUILT IN CONTROLS.
- 7. OPERATE GMT-1 BASED ON BUILT IN CONTROLS TO MAINTAIN SYSTEM PRESSURE AT 12 PSI.

## FAN SCHEDULE

SYMBOL	AREA SERVED	SERVICE	TYPE	CFM	ESP {1} (IN H2O)	MOTOR DATA	BASIS OF DESIGN	OPERATING WEIGHT (LB)	MAX SPL (SPHERICAL SONE)	REMARKS
EF-1	RESTROOM 159	EXHAUST	CEILING FAN	50	0.3	25 W 115V/1Ø/60	GREENHECK SP-B90	10	2.0 {2}	CONTROL FROM BATHROOM LIGHT SWITCH

{1} EXTERNAL STATIC PRESSURE. NOTE EXTERNAL STATIC PRESSURE INCLUDES DUCTWORK AND COMPONENTS EXTERNAL TO THE FAN CABINET. {2} MAXIMUM THIRD OCTAVE BAND OUTLET SOUND POWER LEVEL.

## MISCELLANEOUS EQUIPMENT SCHEDULE

SYMBOL	ITEM	CAPACITY / SIZE	MOTOR DATA	OPERATING WEIGHT {1} (LB)	BASIS OF DESIGN	REMARKS
B-1,2	NATURAL GAS FIRED BOILER	144 MBH GROSS OUTPUT 155 MBH INPUT	7 A 115V/1Ø/60	170	LOCHINVAR WHB155N	<ol> <li>W/ BUILT-IN CASCADING SEQUENCER &amp;         OUTDOOR AIR RESET</li> <li>PROVIDE W/ BOILER PUMP</li> <li>PROVIDE W/ CONDENSATE NEUTRALIZER</li> </ol>
AS-1	HEATING SYSTEM AIR SEPARATOR	45 GPM 1' H2O PRESSURE DROP		80	SPIROTHERM VDT200	
ET-1	HEATING SYSTEM DIAPHRAGM EXPANSION TANK	21 GALLON VOLUME 11 GALLON ACCEPTANCE VOLUME		263	BELL & GOSSETT D-40	<ol> <li>1. 12 PSIG PRECHARGE</li> <li>2. 15 GALLON ESTIMATED SYSTEM VOLUME</li> </ol>
ET-2	DOMESTIC HOT WATER EXPANSION TANK	2 GALLON VOLUME 0.9 GALLON ACCEPTANCE		15	AMTROL ST-5	1. 50 PSIG PRECHARGE
WH-1	ELECTRIC DOMESTIC WATER HEATER	17 GALLON CAPACITY 11 GPH RECOVERY	2500W 115V/1Ø/60	210	AO SMITH EJCS-20	1. SET TO 120F
GMT-1	GLYCOL MAKE-UP TANK	0.7 GPM AT FREE FLOW 17 GALLON CAPACITY	50 W 115V/1Ø/60	160	AXIOM DMF300	<ol> <li>PRE-ASSEMBLED UNIT</li> <li>W/ ADJUSTABLE PRESSURE SETPOINT, SET TO 12 PSI</li> <li>PROVIDE WITH LOW LEVEL ALARM PANEL</li> </ol>
PT-1	WELL PRESSURE TANK	20 GALLON ACCEPTANCE VOLUME		200	AMTROL WX-202	1. 38 PSIG PRECHARGE

## CIRCULATING PUMP SCHEDULE

SYMBOL	SERVICE	STYLE	GPM	HEAD (FT H2O)	MOTOR DATA	BASIS OF DESIGN	REMARKS
P-1A P-1B	GLYCOL HEATING	IN-LINE	45	35	480 W 115V/1Ø/60	TACO VR15M	<ol> <li>RUN IN ACTIVEADAPT AND TWIN PUMP MODE</li> <li>PROVIDE CROSSOVER ETHERNET CONNECTION</li> <li>HIGH EFFICIENCY ECM CIRCULATOR</li> <li>NON-SIMULTANEOUS PUMP OPERATION</li> </ol>

{1} SELECTION AND PRESSURE DROP BASED ON 35% PROPYLENE GLYCOL/65% WATER

2

SYMBOL	FIXTURE		RC	OUGH IN SI	7F	·	(01	NNECTION	SIZF	REMARKS
C. MIDOL	DESCRIPTION		110				301		O.LL	. (210)
		FAUCET	WASTE (IN)	VENT (IN)	COLD WATER (IN)	HOT WATER (IN)	WASTE (IN)	COLD WATER (IN)	HOT WATER (IN)	
WC-1	FLUSH TANK WATER CLOSET		3	2	1/2		3	1/2		1. 1.28 GPF
L-1 {1}	WALL-HUNG LAVATORY	<u>F-1</u>	1-1/2	1-1/4	1/2	1/2	1-1/4	1/2	1/2	1. 0.3 GPM
S-1	SERVICE SINK	<u>F-2</u>	3	1-1/2	3/4	3/4	3	1/2	1/2	
FD-1	FLOOR DRAIN		2	1-1/2			2			
HB-1	INTERIOR HOSE BIBB				3/4			1/2		

— PIPE TEE DOWN

II UNION

□ PIPE CAP

## UNIT HEATER SCHEDULE

011111111111111111111111111111111111111	WEN GONEDOLL										
SYMBOL	LOCATION	STYLE	CAPACITY (MBH)	MAX FLOW (GPM)	MAX PD (FT H2O) {1}	EAT (F)	EGT (F)	MIN CFM	MOTOR DATA	BASIS OF DESIGN	REMARKS
UH-1A,B,C	SEED HOUSE 101	HORIZONTAL	55	8	0.5	45	150	4,500	1/2 HP 115V/1Ø/60	HAZLOC HHP2-24	CLASS I DIVISION II EXPLOSION PROOF MOTOR     PROVIDE W/ CLASS I DIVISION II THERMOSTAT
UH-2	DRY STORAGE 103	HORIZONTAL	54	9	0.5	45	150	1,800	1/12 HP 115V/1Ø/60	TRANE S-108	1. STANDARD MOTOR
UH-3	STORAGE 104	HORIZONTAL	36	7	0.5	45	150	1,100	1/20 HP 115V/1Ø/60	TRANE S-72	STANDARD MOTOR     PROVIDE W/ 3-WAY CONTROL VALVE
UH-4	MECH ROOM	HORIZONTAL	11	3	0.5	60	150	550	25 W 115V/1Ø/60	TRANE S-36	1. STANDARD MOTOR

{1} SELECTION AND PRESSURE DROP BASED ON 35% PROPYLENE GLYCOL/65% WATER

## WELL PUMP SCHEDULE

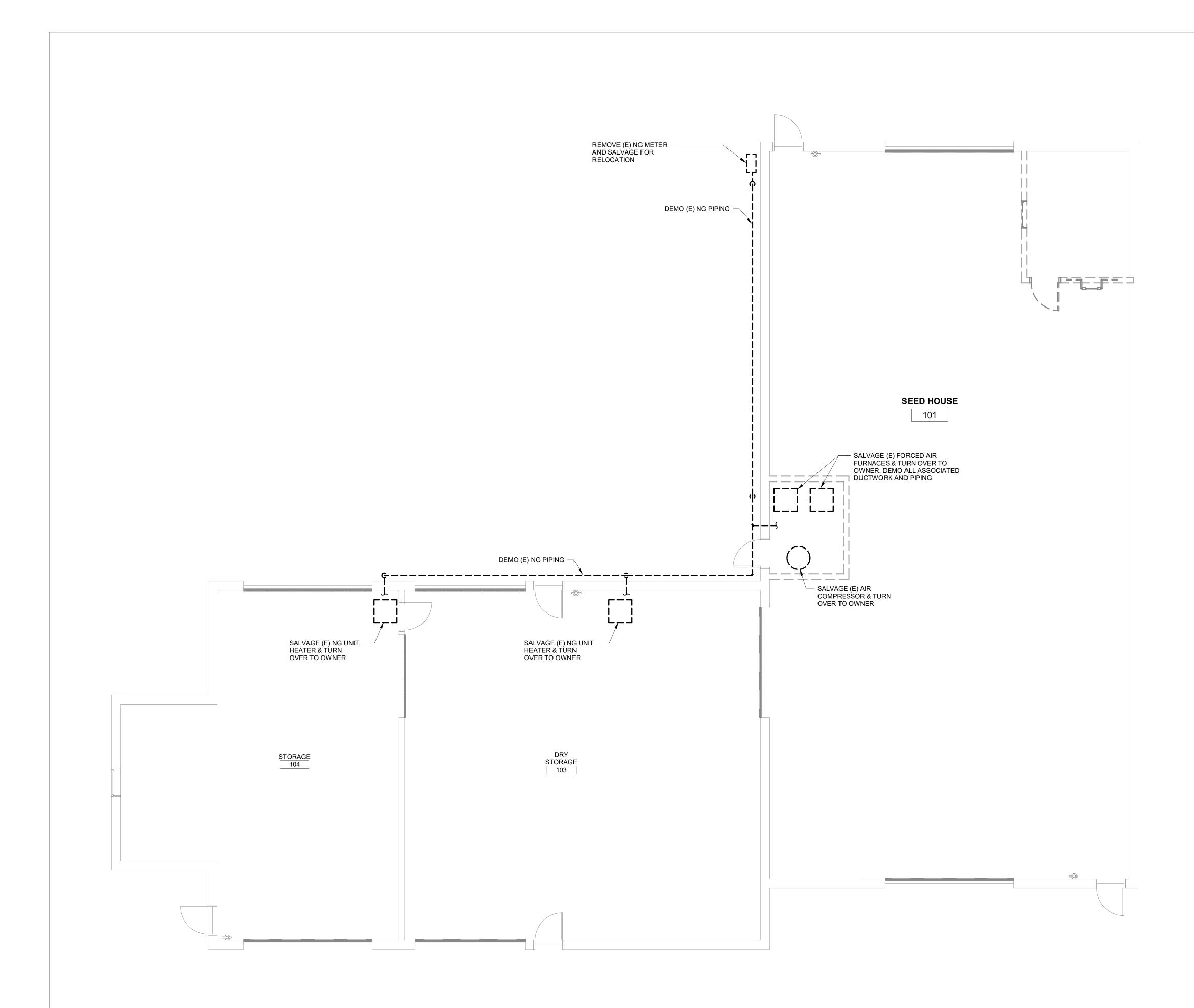
SYMBOL	SERVICE	CAPACITY	MOTOR DATA	BASIS OF DESIGN	REMARKS
WP-1	DOMESTIC WATER	7 GPM AT 30 PSI, 3 GPM AT 60 PSI	1/2 HP 208V/3Ø/60	GOULDS 50C3236S17	PUMP SELECTION BASED ON ASSUMED WELL DEPTH OF 80 FEET MAXIMUM     SEE CIVIL FOR LOCATION

# PMC SEED HOUSE ADDITION

ISSUE DATE 10 JUL 2025
COMM. NUMBER 862501
DESIGNED BY BAB
DRAWN BY BAB
SCALE 0" 1"

MECHANICAL ABBREVIATIONS, LEGENDS, AND SCHEDULES

M001





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PMC SEED HOUSE ADDITION

ISSUE DATE 10 JUL 2025 COMM. NUMBER **DESIGNED BY** DRAWN BY

MECHANICAL **DEMOLITION PLAN** 

7/9/2025 4:53:50 PM

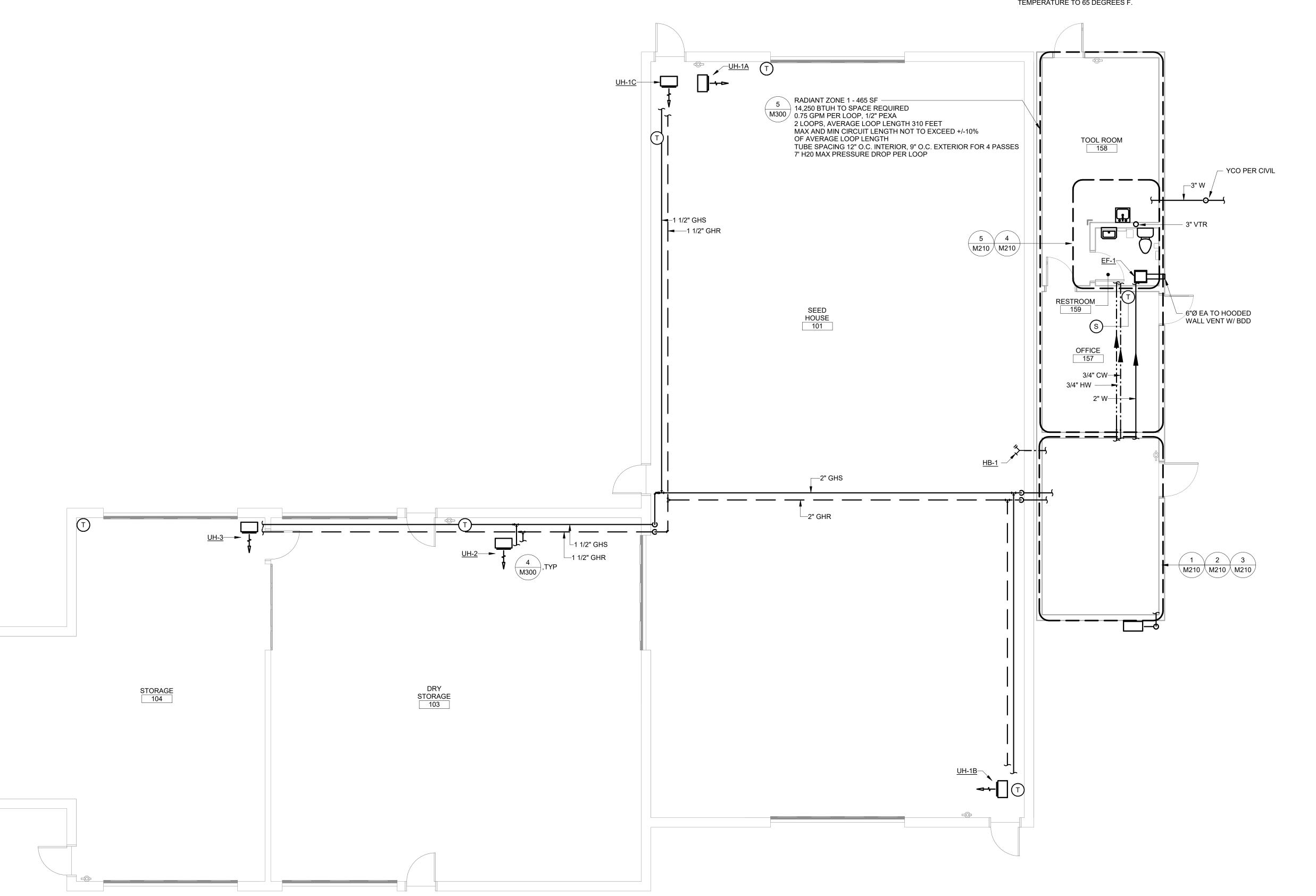
## **GENERAL NOTES**

- PROVIDE ADJUSTABLE SETPOINT THERMOSTATS W/ LOCKING GUARDS IN ALL SPACES.
   CONFIRM TEMPERATURE SETPOINT IN EACH SPACE W/ PMC MANAGER.
   PROVIDE RADIANT ZONE W/ TEKMAR 519 OR EQUAL THERMOSTAT. LOCATE SLAB SENSOR IN
   OFFICE SPACE NEAR CENTER OF SLAB MIDWAY BETWEEN HEATING TUBES. SET MINIMUM SLAB
   TEMPERATURE TO 65 DEGREES F.



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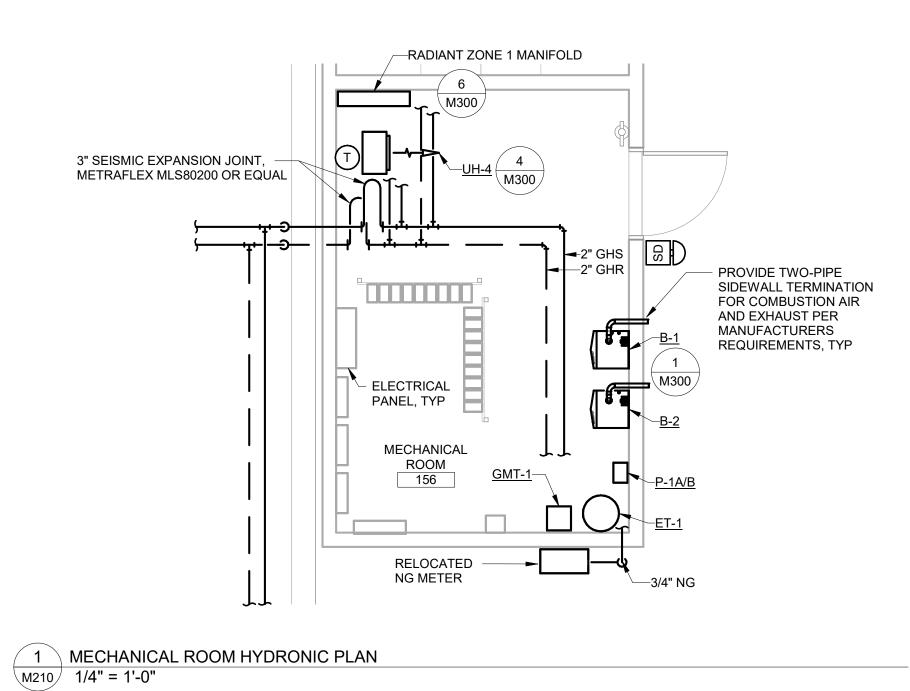


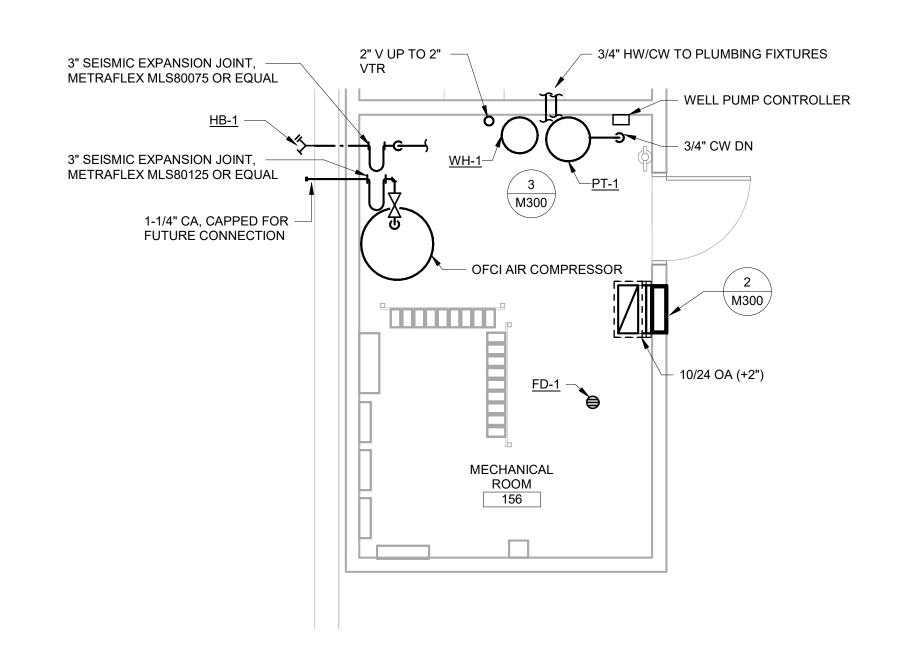


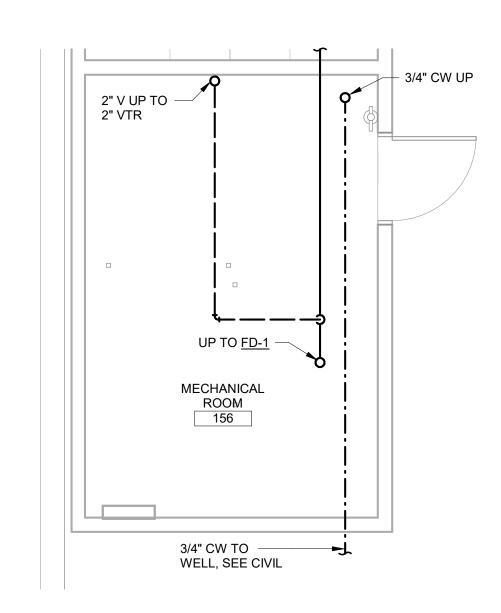
PMC SEED HOUSE ADDITION

ISSUE DATE 10 JUL 2025 COMM. NUMBER DESIGNED BY DRAWN BY

MECHANICAL PLAN

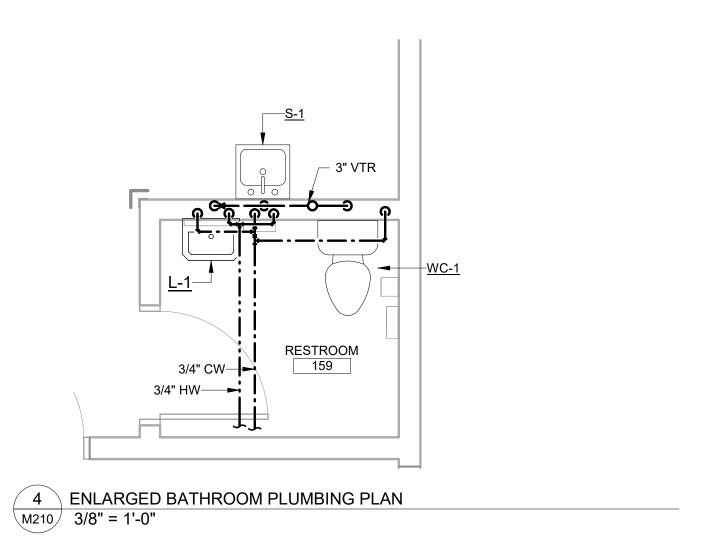


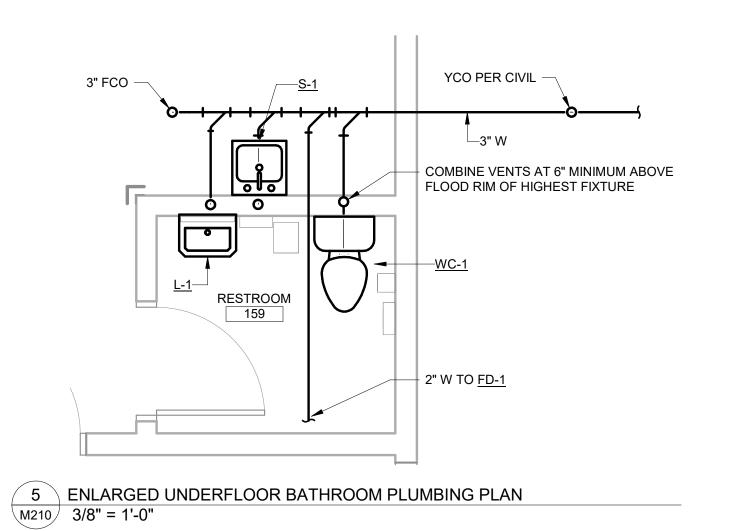




3 MECHANICAL ROOM UNDERFLOOR PLUMBING PLAN
M210 1/4" = 1'-0"

MECHANICAL ROOM PLUMBING PLAN
1/4" = 1'-0"





PMC SEED HOUSE ADDITION

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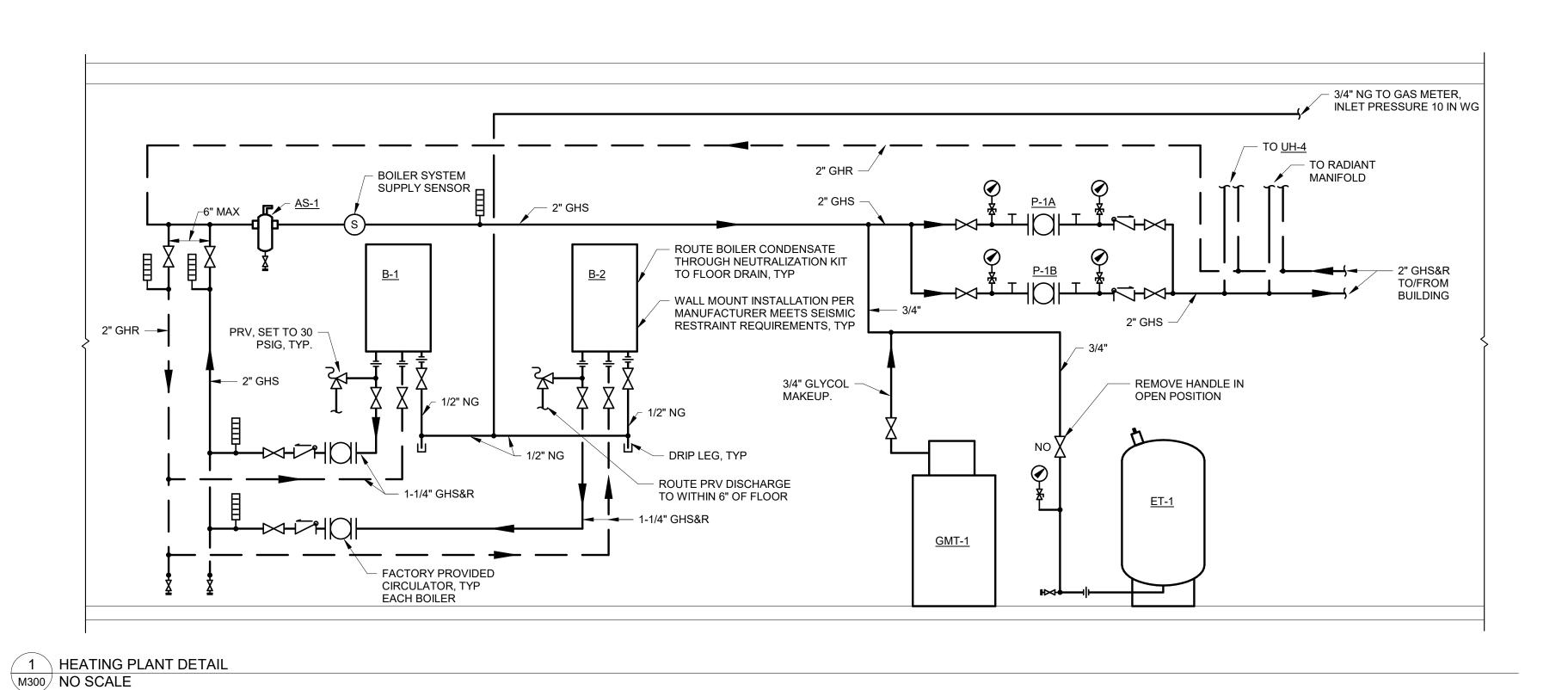
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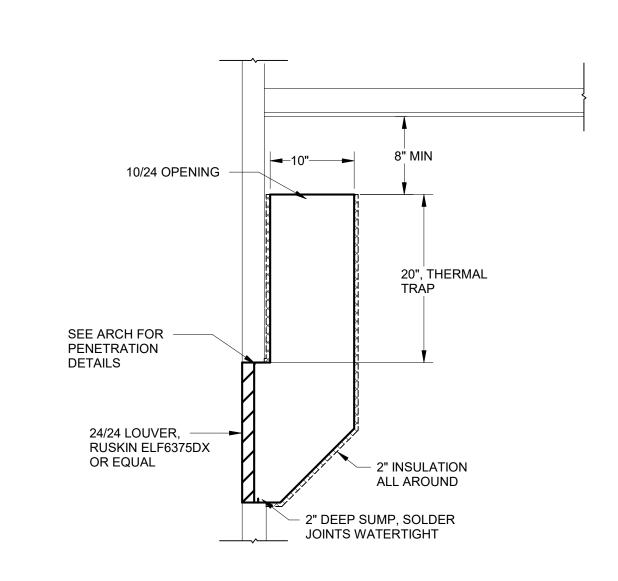
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COMM. NUMBER 862501
DESIGNED BY BAB
DRAWN BY SHB
SCALE 0" 1"

ENLARGED MECHANICAL PLANS

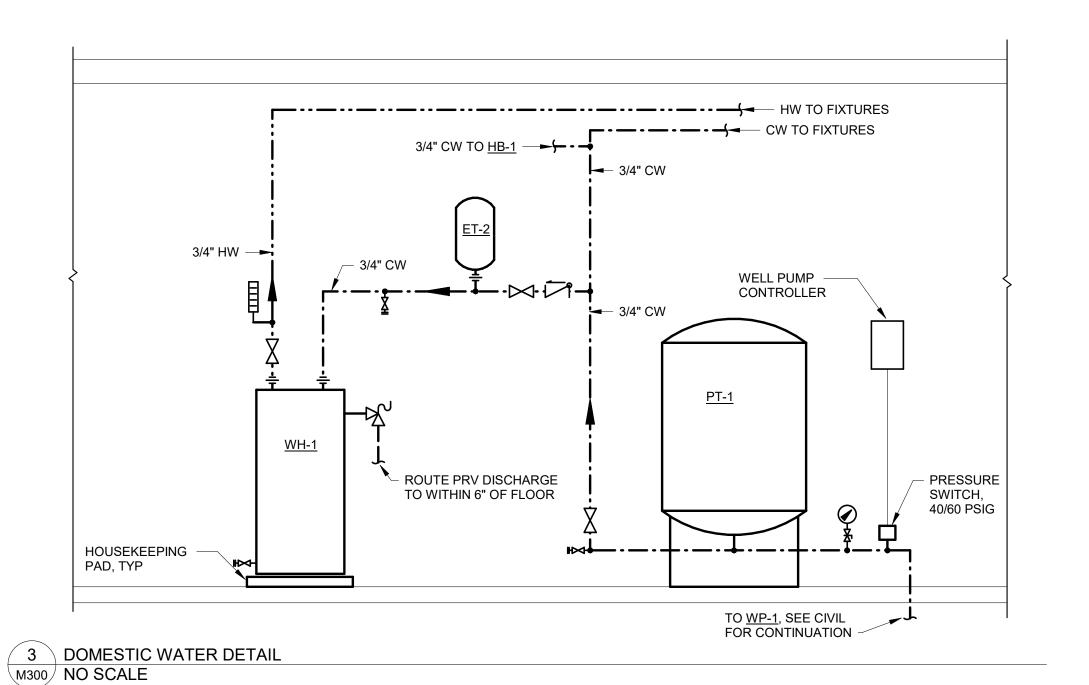
M210

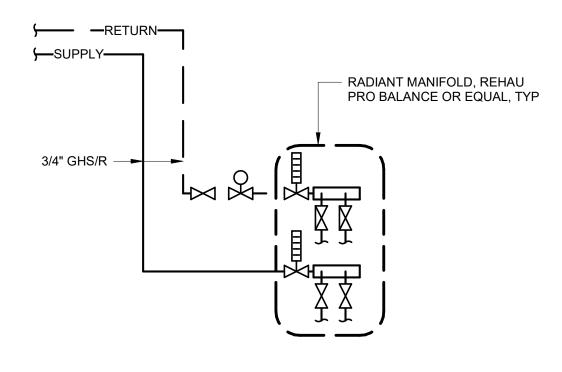




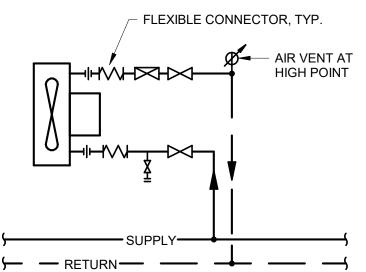
2 AIR COMPRESSOR AIR INTAKE

M300 NO SCALE





RADIANT MANIFOLD PIPING DIAGRAM M300 NO SCALE

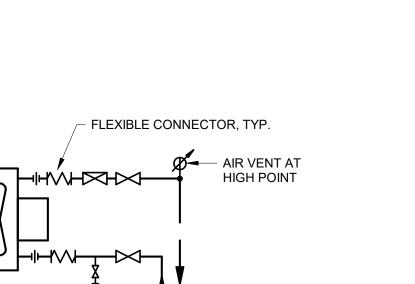


## **GENERAL NOTES**

- 1. SEE SCHEDULE FOR BALANCE VALVE SETPOINT.
- 2. FLEXIBLE CONNECTORS REQUIRED ONLY AT UNIT HEATERS WITH MOTORS 1/4HP AND LARGER.
- 3. AIR VENT NOT REQUIRED IF MAIN IS HIGH POINT.
- PROVIDE 3/4" BRANCH PIPING TO UNIT UNLESS OTHERWISE INDICATED.

4 UNIT HEATER PIPING DIAGRAM

M300 NO SCALE



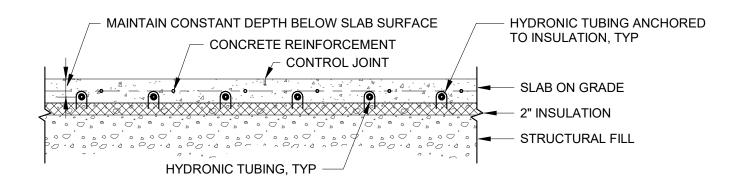
**ISSUE DATE** 10 JUL 2025 862501 COMM. NUMBER BAB DESIGNED BY DRAWN BY

PMC SEED HOUSE

**ADDITION** 

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**MECHANICAL DETAILS** 



5 RADIANT SLAB DETAIL M300 NO SCALE

	ELECTRICAL S	YMBOL	LEGEND									
	SURFACE LIGHT FIXTURE		ANNOTATIO	ON SYMBOLS								
$\boxtimes \boxtimes$	RECESSED LIGHT FIXTURE	L1-24 'L1' DENOTES PANEL NAME, '24' DENOTES CIRCUIT NUMBER.  B2 LIGHTING FIXTURE TAG (SEE LIGHTING FIXTURE SCHEDULE)										
9	WALL MOUNT LIGHT FIXTURE	#>	N EACH SHEET)									
lacktriangle	EMERGENCY EXIT LIGHT FIXTURE; CEILING, WALL	AHU-1 EQUIPMENT IDENTIFIER (SEE ELECTRIC MOTOR & EQUIPMENT SCHEDULE)										
	INDIVIDUAL EMERGENCY LIGHTING UNIT; CEILING, WALL	1.1.4	12≪ PANEL & CIRCUIT IDEN	ITIEICATION	·							
OSX	AUTOMATIC OCCUPANCY SENSING LIGHTING CONTROL DEVICE OSA = CEILING-MOUNTED OMNI-DIRECTIONAL OSW = WALL-SWITCH OCCUPANCY SENSOR											
\$#	MANUAL LIGHTING CONTROL DEVICE; +4'-0" AFF UON (TO CENTER OF OUTLET BOX) (# = TYPE): BLANK = SPST 3 = 3-WAY 3D = 3-WAY W/ 0-10V DIMMING CONTROL P = PILOT-LIGHTED SWITCH (ILLUMINATED WHEN 'ON')	(E)	B ← LIGHTING FIXTURE TAL 1-12 ← PANEL & CIRCUIT IDEN EXISTING TO REMAIN (X)		1 / DEMOLISHED							
ш			ELECTRICAL /	ABBREVIATION	IS							
$\overset{\#}{\mathbf{\nabla}}$	DATA OUTLET (# = NUMBER OF PORTS); +2'-0" AFF, UON	AC	ABOVE COUNTER	GND	GROUND							
ФФ	RECEPTACLE; DUPLEX, DOUBLE-DUPLEX +2'-0" AFF UON	AFF	ABOVE FINISHED FLOOR	GFCI	GROUND-FAULT CIRCUIT INTERRUPTER							
₩	GFCI RECEPTACLE; DUPLEX, DOUBLE-DUPLEX	AIC	AMP INTERRUPTING CAPACITY	GFPE	GROUND-FAULT PROTECTION OF EQUIPMENT							
	+4'-0" AFF UON (TO CENTER OF OUTLET BOX)  SPECIAL RECEPTACLE	AWG	AMERICAN WIRE GAUGE	HP	HORSEPOWER							
	(NEMA TYPE NOTED ON DRAWING) +4'-0" AFF UON (TO CENTER OF OUTLET BOX)	С	CONDUIT	LED	LIGHT EMITTING DIODE							
<u> </u>	JUNCTION BOX	СВ	CIRCUIT BREAKER	MCB	MAIN CIRCUIT BREAKER							
$\otimes$	EQUIPMENT CONNECTION	ССТ	CORRELATED COLOR TEMPERATURE	MDP	MAIN DISTRIBUTION PANELBOARD							
	MOTOR (UR MOTARE A RUMOF MOTER ON RRAMINO)	CU	COPPER	MOCP	MAXIMUM OVER CURRENT PROTECTION							
(M)	MOTOR (HP, VOLTAGE, & PHASE NOTED ON DRAWING)	EGC	EQUIPMENT GROUNDING CONDUCTOR	ОСР	OVER CURRENT PROTECTION							
\$ <sub>M</sub>	MANUAL MOTOR RATED SWITCH ("MR-SWITCH")	FLA	FULL LOAD AMPS	PNL	PANELBOARD							
\$ <sub>T</sub>	MANUAL MOTOR RATED SWITCH WITH THERMAL OVERLOADS ("TT-SWITCH")	GEC	GROUNDING ELECTRODE CONDUCTOR	UON	UNLESS OTHERWISE NOTED							
_	PANELBOARD											

## **ELECTRICAL NOTES**

- A. RECEPTACLES MARKED WITH "WP" SHALL BE WEATHER-RESISTANT RECEPTACLES INSTALLED WITHIN A WEATHER PROOF WHILE-IN-USE COVER.
- B. RECEPTACLES MARKED WITH "AC" SHALL BE INSTALLED 4" ABOVE COUNTER BACKSPLASH, MEASURED FROM TOP OF BACKSPLASH TO CENTER OF OUTLET BOX.
- C. A SEPARATE DESIGN-BUILD PROJECT IS REPLACING ALL ELECTRICAL DEVICES AND COMPONENTS WITHIN THE MAIN BUILDING AREAS, RE-FEEDING THE 208Y/120V CONNECTION, AND PROVIDING A NEW 480Y/277V SERVICE. COORDINATE WITH OWNER FOR A COPY OF THOSE DRAWINGS AS NEEDED TO COMPLETE WORK FOR THE BUILDING ADDITION PROJECT.
- D. HAZARDOUS LOCATIONS:
- a. THE SEPARATE DESIGN-BUILD PROJECT (SEE NOTE C) INCLUDES A HAZARDOUS LOCATION PLANS FOR THE MAIN BUILDING AREAS. THE MAIN SEED PROCESSING AREA IS CLASS II, DIVISION 2. REFER TO THOSE DRAWINGS FOR ADDITIONAL INFORMATION.
- b. THE BUILDING ADDITION PROVIDED UNDER THIS PROJECT HAS NO DIRECT ACCESS TO THE MAIN BUILDING AND IS "UNCLASSIFIED".
- c. PROVIDE SEALING, IN ACCORDANCE WITH NEC ARTICLE 502.15, FOR RACEWAYS THAT PASS FROM ADDITION INTO THE MAIN BUILDING AREAS.

## **#> SPECIFIC SHEET NOTES**

- 1 PANEL 'LA' IS PROVIDED UNDER SEPARATE PROJECT. PANEL 'LA' SCHEDULE, CIRCUIT NAMES, AND LOADS ARE BASED ON OTHER PROJECT DRAWINGS, AND ARE INCLUDED TO APPROXIMATE TOTAL PANEL LOAD AFTER ADDITIONS OF THIS PROJECT. COORDINATE WITH OTHER PROJECT DRAWINGS AND WORK TO VERIFY FINAL PANEL CIRCUIT CONFIGURATIONS.
- 2 PROVIDE SPECIFIC BRANCH CIRCUITS UNDER THIS PROJECT AND CONNECT TO PANEL 'LA'. PROVIDE CIRCUIT BREAKERS AS NECESSARY TO ACCOMMODATE NEW CIRCUITS. ADJUST CIRCUIT NUMBERS/SEQUENCE IN PANEL 'LA' TO ACCOMMODATE WORK PROVIDED UNDER SEPARATE PROJECT.

SI	LOCATION: MECHANICAL ROOM 156 JPPLY FROM: SITE MDPL VIA DISC.	MOUN ENCLOS		URFACE YPE 1	Ξ				208Y/12 3 PH, 4		ľ			TING: 20 YPE: ML		FED BY (OCP RATING): 200.0 A A.I.C. RATING: 10,000 A				
СКТ	CIRCUIT DESCRIPTION	СВТ	LOAD CLASS	TRIP	Р	A	1	I	В	C	;	Р	TRIP	LOAD CLASS	СВТ	CIRCL	JIT DESCRIPTION	ON	скт	
1	O.H. DOOR 1 - SEED HOUSE SOUTH		М	20	1 '	1,176	1,080					1	20	R		REC - DRY STORA	AGE WEST		2	
3	O.H. DOOR 2 - SEED HOUSE NORTH		М	20	1			1,176	1,080			1	20	R		REC - DRY STORA	\GE		4	
5	O.H. DOOR 3 - SEED HOUSE/DRY STORAGE		М	20	1					1,176	1,260	1	20	R		REC - SEED HOUS	SE		6	
7	O.H. DOOR 3 - DRY STORAGE NORTH		М	20	1 '	1,176	500					1	20	Е		BAGHOUSE CONT	TROL PANEL		8	
9	O.H. DOOR 5 - DRY STORAGE SOUTH		М	20	1			1,176	1,000			1	20	Е		NAVCO BIN VIBRATORS (2)				
11	O.H. DOOR 6 - W STORAGE SOUTH		М	20	1					1,176	0	1	20			SPARE				
13	O.H. DOOR 7 - DRY STORAGE / W STORAGE		М	20	1 '	1,176	1,070					1	20	Е		BIN INDICATORS (	BIN INDICATORS (4), HAND SEWBAG CLOSER			
15	O.H. DOOR 8 - W STORAGE NORTH		М	20	1			1,176	1,176			1	20	М		UNIT HEATER - N/	, ,		16	
17	REC - MECH RM CONVENIENCE		R	20	1					180	1,176	1	20	М		UNIT HEATER - N/	W SEED HOUS	SE 2	18	
19	LTG - BUILDING ADDITION		L; M	20	1	497	1,176					1	20	М		UNIT HEATER - S/	E SEED HOUSI	 E	20	
21	REC - TOOL ROOM & RESTROOM		R	20	1			900	500			1	20	М		UNIT HEATERS - S	STORAGE & DF	RY STORAGE	22	
23	REC - ADD. EXTERIOR & LIFT STATION 120V		R; E	20	1					590		1				PREPARED SPAC	E		24	
25	REC - OFFICE		R	20	1 '	1,260						1				PREPARED SPAC	E		20	
27	REC - MECH RM		R 20 1					540				1				PREPARED SPAC	E		28	
29	BOILER & PUMP 1 - MECH RM		М	15	1		1,020					1				PREPARED SPAC	E		30	
31	BOILER & PUMP 2 - MECH RM		М	15	1	1,020						1				PREPARED SPACE				
33	GMT & UH - MECH RM		M; E	15	1			66	288											
35	WATER HEATER (2.5 kW) - MECH RM		С	30	1					2,500	288	3	15	М		WELL PUMP (1/2 H	HP)		36	
37	HEATING CABLE - SEWER LINE	GFPE	С	30	1	1,278	288										·		38	
39	HEATING CABLE - WATER LINE	GFPE	С	30	1			972	2,750			^	00	_		001100000			40	
41	SPARE			20	1					0	2,750	2	80	Е		COMPRESSOR			42	
	CON	NNECTE	D LOAD	(PHASE	<b>)</b> :	11,69	7 VA	12,80	00 VA	12,11	6 VA									
	CON	NNECTE	D AMPS	(PHASE	):	97.5	5 A	106	.7 A	101	0 A									
		% FEED	ER OCP	(PHASE	):	48.7	7%	53.	3%	50.	5%									
OAE	CLASSIFICATION [NEC 2023]	С	ONNEC	TED LO	AD	DEM	AND FA	CTOR	DEMA	ND LOA	D					PANEL TOTALS	S			
С	CONTINUOUS [ARTICLE 215.2(A)(1)]		4,75	50 VA			125.0%	)	5,9	37 VA						LOAD	AMPS	% FEEDER	OCP	
Е	NON-CONTINUOUS [ARTICLE 215.2(A)(1)]		8,17	71 VA			100.0%	)	8,1	71 VA			CON	INECTE	LOAD:	36,614 VA	101.6 A	50.8%		
L	LIGHTING [ARTICLE 215.2(A)(1)]		47	2 VA			125.0%	)	59	90 VA				DEMAND	LOAD:	38,214 VA	106.1 A	53.0%		
R	RECEPTACLES [ARTICLE 220.47]		6,84	10 VA			100.0%	)	6,8	40 VA										
М	MOTOR [ARTICLE 430.24]		16,3	81 VA			101.8%		16,6	675 VA			SEAS	ONAL DI	EMAND	LOAD ADJUSTME	NT (NEC ARTIC	CLE 220.60)		
Α	APPLIANCE [ARTICLE 220.56]		0	VA			0.0%		C	) VA	N	10 V	VINTER	R ADJUS	TMENT:	38,214 VA	106.1 A	53.0%		
Н	HBO [ARTICLE 220.14(A)] (WINTER ONLY)		0	VA			0.0%		C	) VA	N	ว รเ	JMMEF	R ADJUS	TMENT:	38,214 VA	106.1 A	53.0%		
ΕH	ELEC. HEAT [ARTICLE 215.2(A)(1)] (WINTER ON	NLY)	0	VA			0.0%		(	) VA										
СН	CHILLER [ARTICLE 440.33] (SUMMER ONLY)		0	VA			0.0%		0 VA											

	LIGHTING FIXTURE SCHEDULE (BASIS OF DESIGN)										
TAG	TYPE	NOMINAL LUMENS	CCT (K)	DESCRIPTION	MOUNTING	MANUFACTURER	MODEL	INPUT LOAD (W			
A1	LED	5,000		4' SURFACE LED STRIP FIXTURE, WITH ROLLED STEEL HOUSING, SNAP ON LENS, AND 0-10V DIMMING	PENDANT; +9'-0" AFF	LITHONIA LIGHTING	ZL1D-L48-5000LM-FST-MVOLT-40K-80CRI -WH	41			
A2	LED	7,000	4,000	SAME AS FIXTURES TYPE 'A1' ,BUT WITH HIGHER LUMEN PACKAGE.	PENDANT; +9'-0" AFF	LITHONIA LIGHTING	ZL1D-L48-7000LM-FST-MVOLT-40K-80CRI -WH	59			
B1	LED	3,000		2' SURFACE WRAPAROUND LED FIXTURE, WITH METAL HOUSING, FROSTED DIFFUSER	CEILING; SURFACE	LITHONIA LIGHTING	FMLWL24-8-40-MVOLT	29			
C1	LED	1,550	4,000	EXTERIOR LED WALL PACK, WET LOCATION LISTED, WITH INTEGRAL PHOTOCELL	WALL; +8'-0" AFF	LITHONIA LIGHTING	WPX1LEDP1-40K-MVOLT-PE-DDBXD	11			
EM	LED			LED WALL-MOUNTED EMERGENCY LIGHTING UNIT "BUG EYE", WITH INTEGRAL BATTERY AND SELF-DIAGNOSTICS	WALL; +7'-6" AFF	LITHONIA LIGHTING	EU2C-SD	1			
EX	LED			LED EXIT SIGN, WHITE HOUSING, STENCIL FACE, GREEN LETTERS, SINGLE-SIDED, INTEGRAL BATTERY, MULTI-VOLT OPERATION, AND SELF DIAGNOSTICS	WALL; +7'-6" AF	LITHONIA LIGHTING	LQM-S-W-3-G-MVOLT-ELN-SD	1			

ELECTRIC MOTOR & EQUIPMENT SCHEDULE										
TAG	DESCRIPTION	RATING	PHASE	FLA	MOPD	CONTROLLER	MOTOR DISCONNECT	MIN. CONDUCTOR & RACEWAY	PANEL - CIRCUIT	COMMENTS
20 V										
B-1	GAS-FIRED BOILER	540 W	1	4.5 A	15.0 A	INTEGRAL	MR SWITCH	(2) #12 AWG, #12 EGC, 1/2" C	LA - 29	
B-2	GAS-FIRED BOILER	540 W	1	4.5 A	15.0 A	INTEGRAL	MR SWITCH	(2) #12 AWG, #12 EGC, 1/2" C	LA - 31	
EF-1	EXHAUST FAN (BATHROOM)	25 W	1	0.2 A	20.0 A	LIGHT SWITCH	MR SWITCH	(2) #12 AWG, #12 EGC, 1/2" C	LA - 19	
GMT-1	GLYCOL MAKEUP TANK	50 W	1	0.4 A	15.0 A	INTEGRAL	CORD & PLUG	(2) #12 AWG, #12 EGC, 1/2" C	LA - 33	
P-1A	HEATING PUMP	480 W	1	4.0 A	15.0 A	INTEGRAL	MR SWITCH	(2) #12 AWG, #12 EGC, 1/2" C	LA - 29	
P-1B	HEATING PUMP	480 W	1	4.0 A	15.0 A	INTEGRAL	MR SWITCH	(2) #12 AWG, #12 EGC, 1/2" C	LA - 31	
UH-4	HYDRONIC UNIT HEATER	16 W	1	0.1 A	15.0 A	INTEGRAL	MR SWITCH	(2) #12 AWG, #12 EGC, 1/2" C	LA - 33	
WH-1	ELECTRIC WATER HEATER	2.5 kW	1	20.8 A	30.0 A	INTEGRAL	BRANCH CB	(2) #10 AWG, #10 EGC, 1/2" C	LA - 35	
208 V										
WP-1	WELL PUMP	1/2 HP	3	2.4 A	15.0 A	COMBO MAG. STARTER / DISCONNECT	COMBO MAG. STARTER / DISCONNECT	(3) #10 AWG, #10 EGC, 1/2" C	LA - 34,36,38	



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PMC SEED HOUSE ADDITION

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COMM. NUMBER 862501
DESIGNED BY MWK
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LEGEND, NOTES, AND SCHEDULES

E001

## **#** SPECIFIC SHEET NOTES

- 1 ELECTRICAL EQUIPMENT IS PROVIDED UNDER A SEPARATE DESIGN-BUILD PROJECT AND IS SHOWN FOR REFERENCE ONLY.
- 2 PROVIDE 1" RMC FOR ROUTING DATA CONNECTION BETWEEN EXISTING AND NEW DATA CABINET. CONTRACTOR MAY ADJUST OR REROUTE CONDUIT TO BEST SUITE FIELD CONDITIONS AND TO AVOID CONFLICTS WITH OVERHEAD DOORS AND OTHER EQUIPMENT. HORIZONTAL DATA CABLES WITHIN SHALL BE MINIMUM CATEGORY
- 3 PROVIDE FLEXIBLE CONNECTION IN ACCORDANCE WITH NEC 501.10(A)(2) FOR CONDUIT SPANNING BETWEEN MAIN BUILDING AND ADDITION.
- 4 PROVIDE PROVISIONS FOR SEALING RACEWAY IN ACCORDANCE WITH NEC 502.15.
- 5 PROVIDE LABEL AT SWITCH "EXTERIOR LIGHTS (DUSK-DAWN)".
- 6 PROVIDE OCCUPANCY LIGHT SWITCH WITH MOTOR RATING TO CONTROL ROOM EXHAUST FAN & LIGHTS.
- 7 POWER & CONTROL EXHAUST FAN FROM ROOM LIGHT SWITCH.

(E) WALL MOUNTED 8 DATA CABINET

STORAGE 104

DRY STORAGE 103

- 8 EXISTING WALL MOUNTED DATA CABINET IS EQUIPPED WITH A 24-PORT NETWORK SWITCH AND CATEGORY 5e 24-PORT PATCH PANEL. THE SWITCH HAS A FIBER OPTIC FEED THROUGH FOR ESTABLISHING NETWORK. ONLY TWO PORTS IN THE SWITCH ARE IN-USE. TERMINATE NEW HORIZONTAL DATA CABLES ON EXISTING PATCH PANEL. COORDINATE WITH OWNER FOR PATCH CABLES BETWEEN PATCH PANEL AND SWITCH TO ESTABLISH NETWORK FOR NEW OFFICE DATA OUTLETS.
- 9 POTENTIAL / PROPOSED LOCATIONS OF FLOOR-MOUNTED UNISTRUT RACK TO SUPPORT VFD'S ASSOCIATED WITH SEED PROCESSING EQUIPMENT. RACK AND VFD'S ARE PROVIDED BY OTHERS. COORDINATE WITH OWNER OR OTHER PROJECT FOR FINAL SIZE, CONFIGURATION, AND LOCATION OF RACK. THIS PROJECT SHALL LEAVE ADEQUATE SPACE FOR INSTALLING EQUIPMENT AND FOR ROUTING CONDUITS TO AND FROM EITHER RACK LOCATION, THE PANELBOARDS, AND SEED PROCESSING ROOM.

## **GENERAL SHEET NOTES**

- A. RECEPTACLES MARKED WITH "WP" SHALL BE WEATHER-RESISTANT RECEPTACLES INSTALLED WITHIN A WEATHER PROOF WHILE-IN-USE COVER.
- B. RECEPTACLES MARKED WITH "AC" SHALL BE INSTALLED 4" ABOVE COUNTER BACKSPLASH, MEASURED FROM TOP OF BACKSPLASH TO CENTER OF OUTLET BOX.
- C. EXIT SIGNS 'EX' & EMERGENCY LIGHTING UNITS 'EM' SHALL BE CONNECTED TO THE UN-SWITCHED LEG OF THE LIGHTING CIRCUIT.
- D. EXTERIOR FIXTURES 'C1' ARE CONTROLLED VIA INTEGRAL PHOTOCELLS, WITH A MASTER OVERRIDE PILOT-LIGHTED SWITCH IN THE MECHANICAL ROOM.
- E. PROVIDE LABEL AT EACH PILOT LIGHTED HEATING CABLE SWITCH INDICATING "SEWER HEATING CABLE" OR "WATER HEATING CABLE".

- BUILDING ADDITION

(THIS PROJECT)

TOOL ROOM

OFFICE 157

MECHANICAL ROOM 156

WALL-MOUNTED, SURFACE PULL BOX FOR DATA CABLES

SEED HOUSE 101

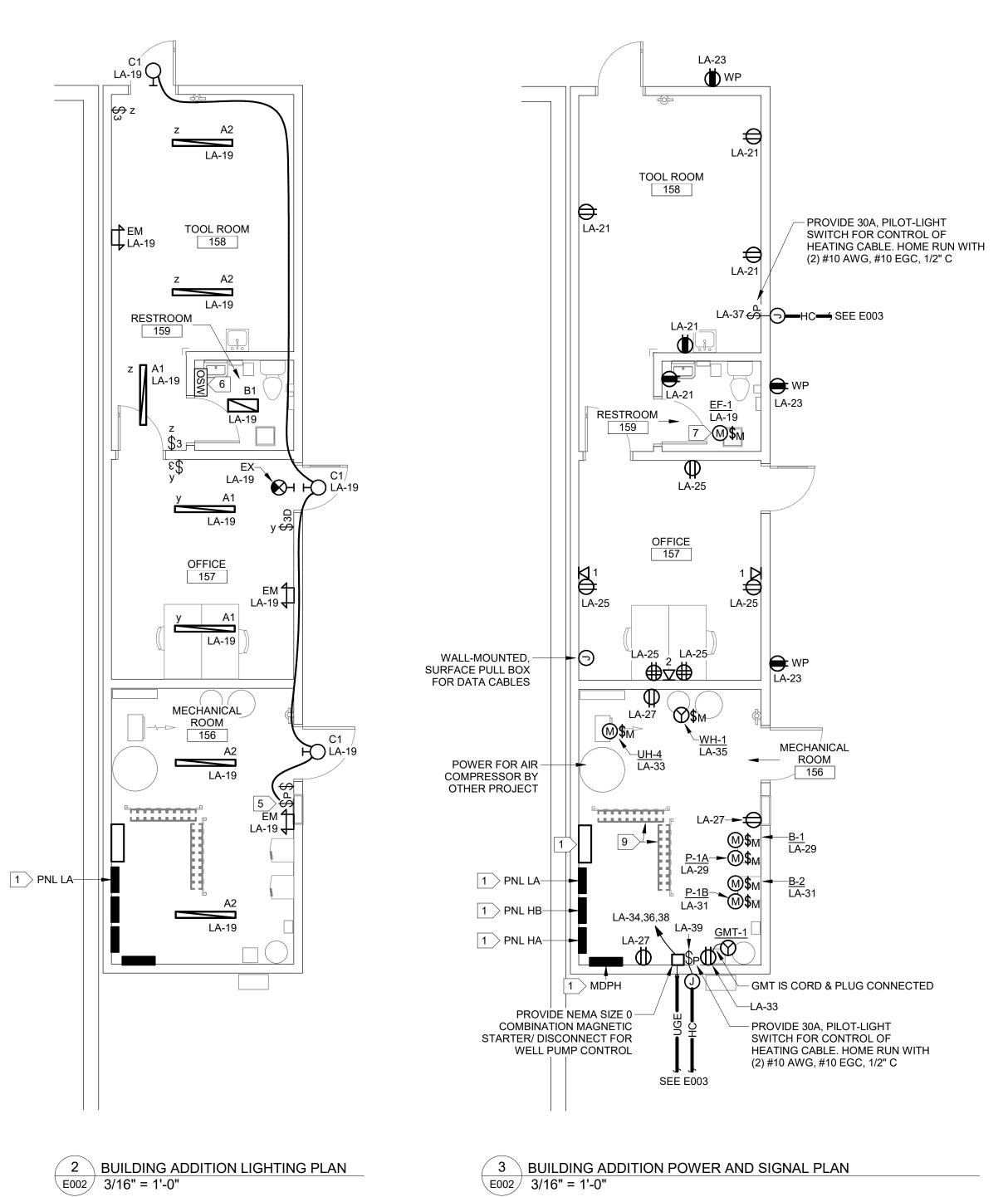
CONDUIT FOR NEW 2
DATA CABLES

4 3



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**ADDITION** 

PMC SEED HOUSE

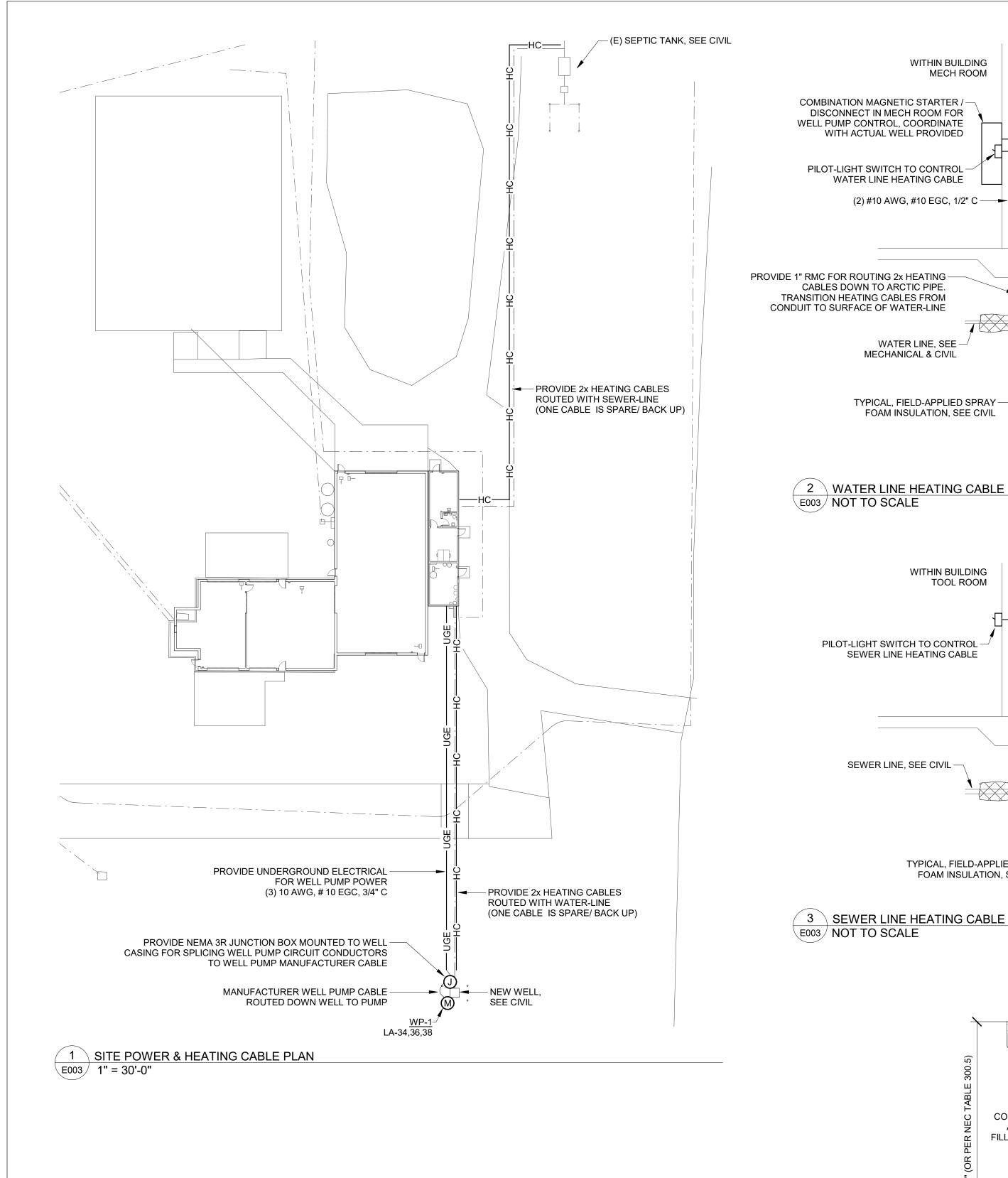
ISSUE DATE 10 JUL 2025 COMM. NUMBER DESIGNED BY DRAWN BY

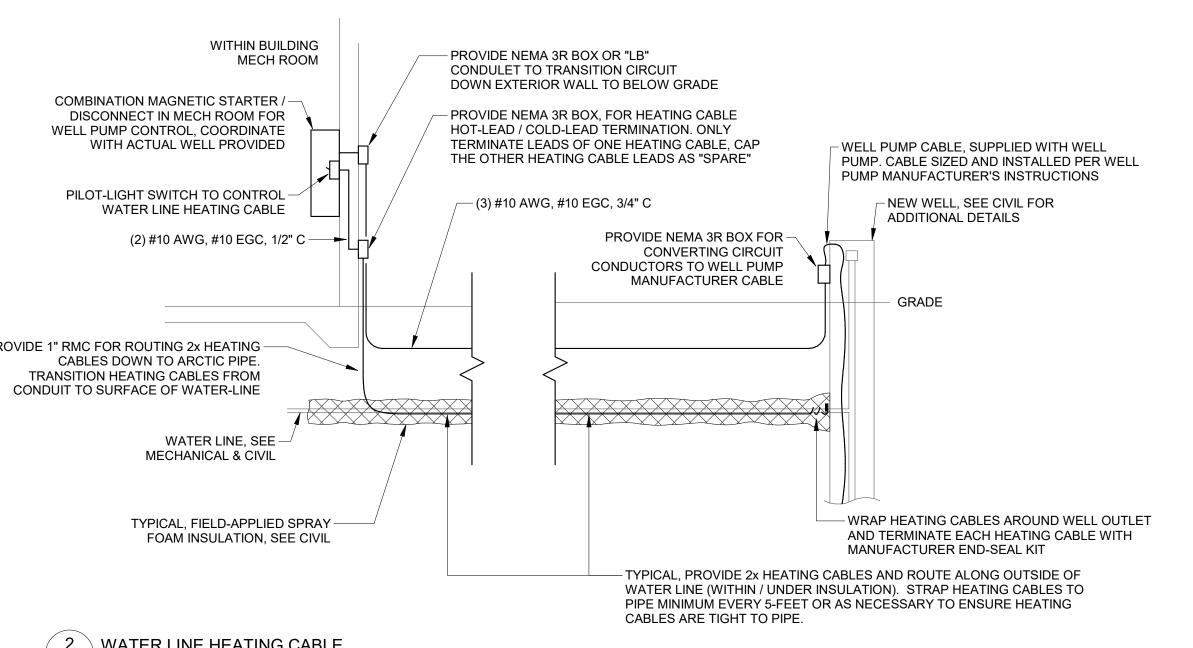
INTERIOR ELECTRICAL **PLANS** 

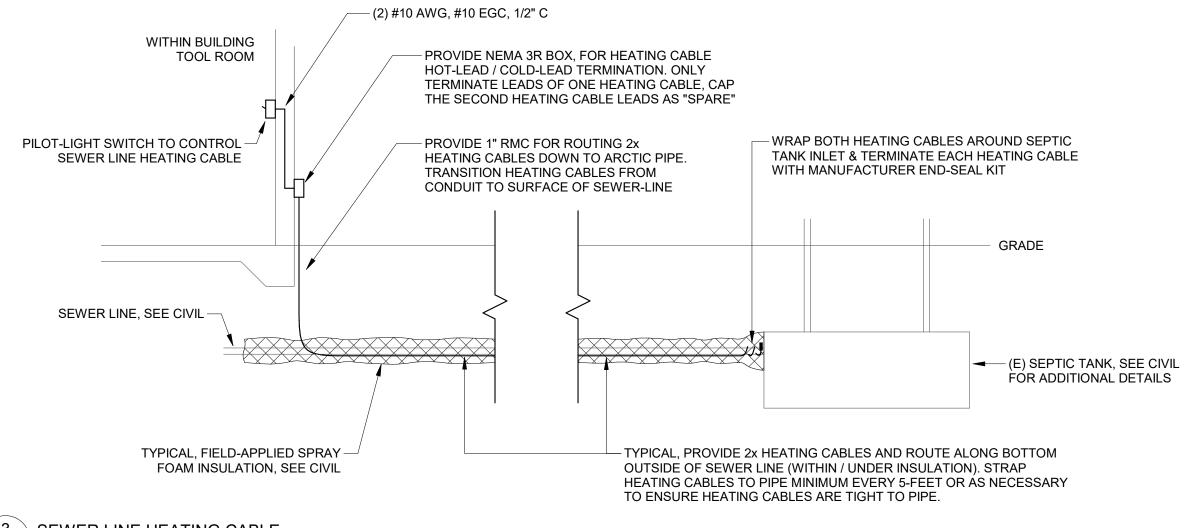
E002

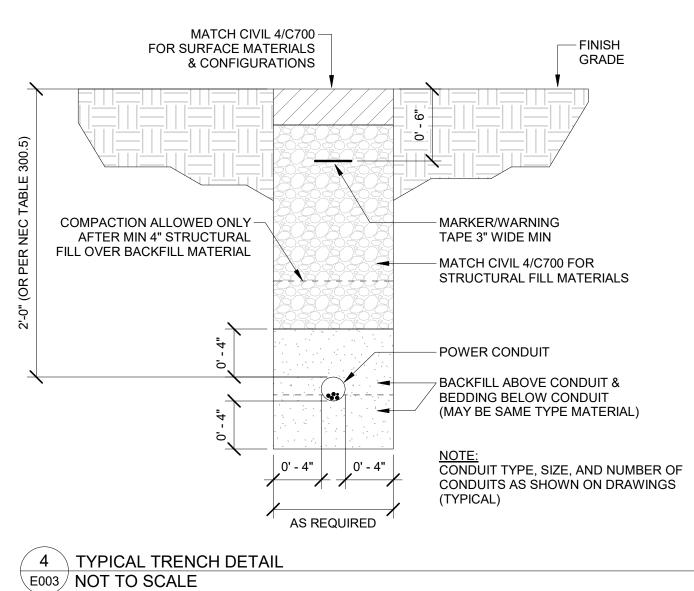
2 BUILDING ADDITION LIGHTING PLAN
E002 3/16" = 1'-0"

1 OVERALL PLAN E002 3/32" = 1'-0"









## **GENERAL SHEET NOTES**

- A. ALL HEATING CABLE SHALL BE 5-W/FT WITH FLUOROPOLYMER OUTER JACKET. HEATING CABLE BASIS OF DESIGN IS nVENT "5BTV1-CT".
- B. FOR POWER CIRCUITS (WELL PUMP AND LIFT PUMP), ABOVE GRADE CONDUIT SECTIONS AND SWEEPS SHALL BE RMC. BURIED SECTIONS MAY BE HDPE OR PVC CONDUIT.
- C. PRIOR TO APPLYING WATER-LINE OR SEWER-LINE INSULATION, CONTRACTOR SHALL TEMPORARILY ENERGIZE HEATING CABLES (INCLUDING THE "SPARE" HEATING CABLES) TO ENSURE FUNCTIONALITY ALL THE WAY TO THE RESPECTIVE END-SEAL KITS. REPLACE ANY NON-FUNCTIONING HEATING CABLES BEFORE INSULATION IS APPLIED.



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# PMC SEED HOUSE ADDITION

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SITE POWER & HEATING CABLE

E003