

# TOWN OF WAYLAND



TOWN OF WAYLAND

WAYLAND CoA  
COMMUNITY CENTER  
8 ANDREW AVENUE,  
WAYLAND, MA 01778

**DAI** **DIGIORGIO ASSOCIATES INCORPORATED**  
A LiRo Group Company

ARCHITECTURE ■ BOSTON  
529 MAIN STREET, SUITE 3303  
BOSTON, MA 02129  
TEL: 617.723.7100  
FAX: 617.723.9113

PLANNING  
INTERIOR DESIGN  
ENGINEERING

■ PORTLAND  
500 WASHINGTON AVE  
PORTLAND, ME 04103  
TEL: 207.582.2400  
FAX: 207.582.8320

WAYLAND CoA COMMUNITY CENTER  
8 ANDREW AVENUE, WAYLAND, MA 01778  
DAI PROJECT #21-125-2125.04

## 90% CD SET

### OWNER:

TOWN OF WAYLAND  
41 COCHITUATE RD.  
WAYLAND, MA 01778

### ARCHITECT:

DIGIORGIO ASSOCIATES INC.  
529 MAIN STREET, SUITE 3303  
BOSTON, MA 02129  
T: (617) 723-7100

### CIVIL ENGINEER:

MERIDIAN ASSOCIATES, INC  
500 CUMMINGS CENTER, SUITE 5950  
BEVERLY, MA 01915  
T:(978) 299-0447

### STRUCTURAL ENGINEER:

DIGIORGIO ASSOCIATES INC.  
529 MAIN STREET, SUITE 3303  
BOSTON, MA 02129  
T: (617) 723-7100

### MEP ENGINEER:

DIGIORGIO ASSOCIATES INC.  
529 MAIN STREET, SUITE 3303  
BOSTON, MA 02129  
T: (617) 723-7100

### INTERIORS:

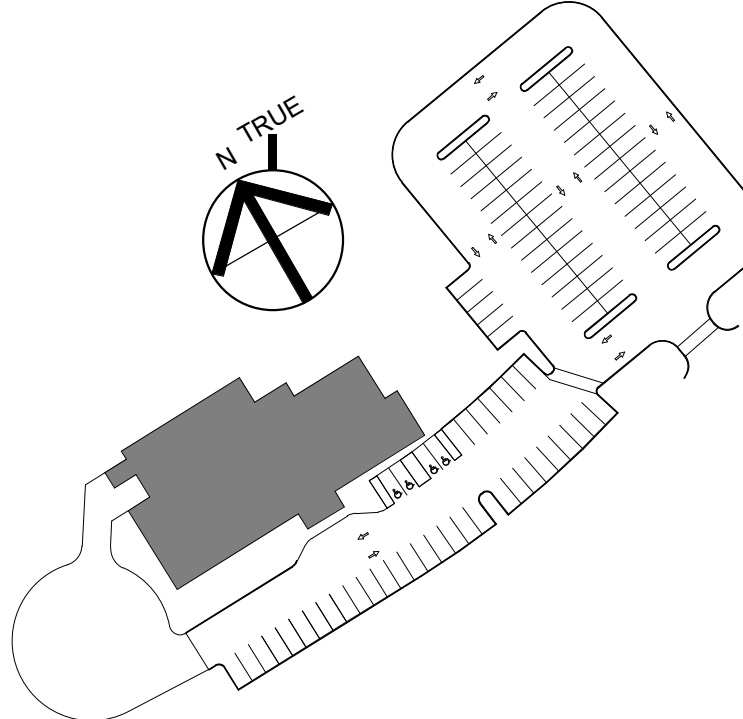
THE INTERIORS GROUP  
40 THORNDIKE ST.  
CONCORD, NH 03301  
T: (617) 359-8699

CONSULTANT:

#### ISSUE/REVISION:

NO:	DATE:	DESCRIPTION:
B	10/12/2022	50% CD SET
C	11/23/2022	90% CD SET

KEY PLAN:



DRAWING TITLE:  
TITLE SHEET

DRAWN BY: MK	SEAL:
CHECKED BY: TA	
SCALE:	
PROJECT NO: 21-125-2125.04	
DRAWING NO.:	
<b>T-100</b>	





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**DAI** DIGIORGIO  
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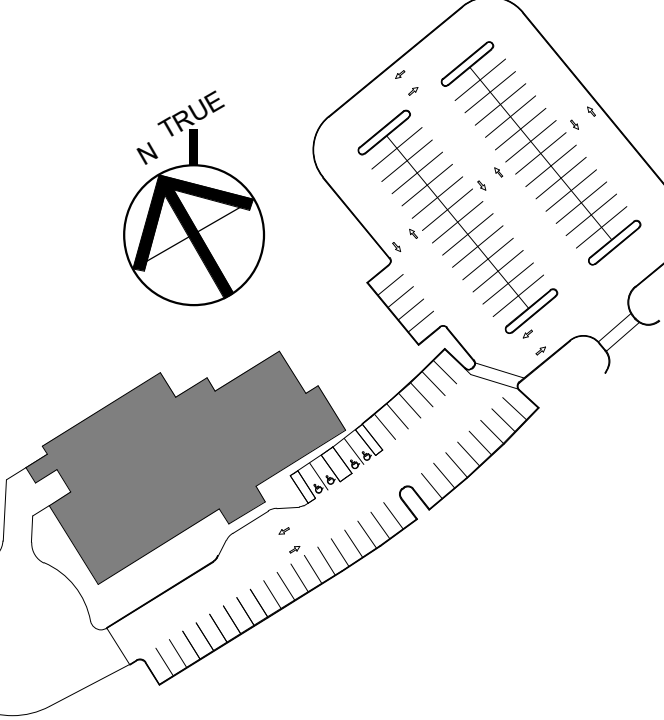
ARCHITECTURE ■ BOSTON  
529 MAIN STREET, SUITE 5303  
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FAX: 617.723.9113  
INTERIOR DESIGN ■ BOSTON  
ENGINEERING ■ PORTLAND  
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PORTLAND, ME 04103  
TEL: 207.582.2400  
FAX: 207.582.8320

CONSULTANT:

ISSUE/REVISION:

NO.	DATE	DESCRIPTION
A	09/19/2022	100% DD SET
B	10/12/2022	50% CD SET
C	11/23/2022	90% CD SET

KEY PLAN:



DRAWING TITLE:  
**OVERALL GROUND AND  
MEZZENINE FLOOR PLAN**

DRAWN BY:  
**MK**

CHECKED BY:  
**TA**

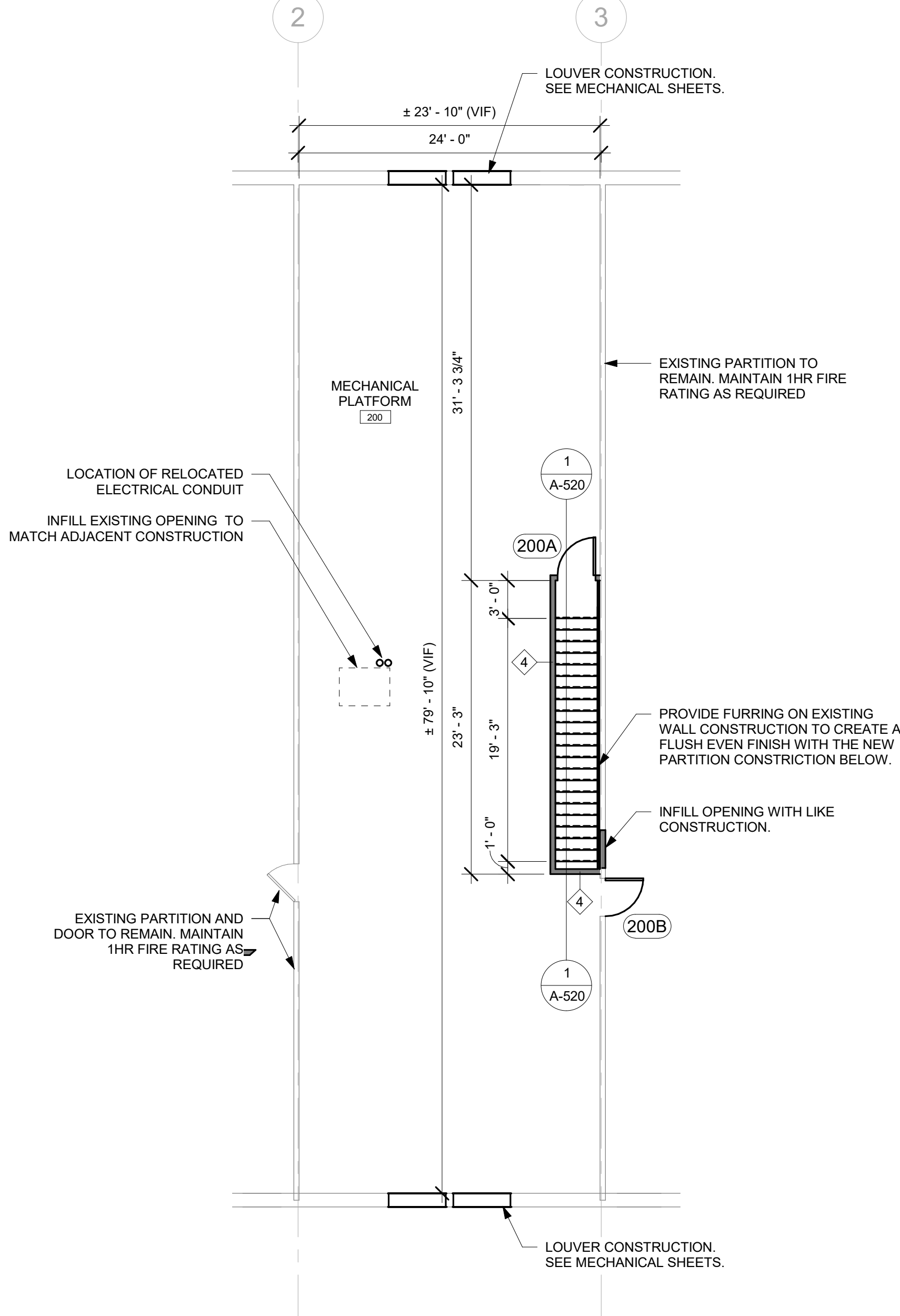
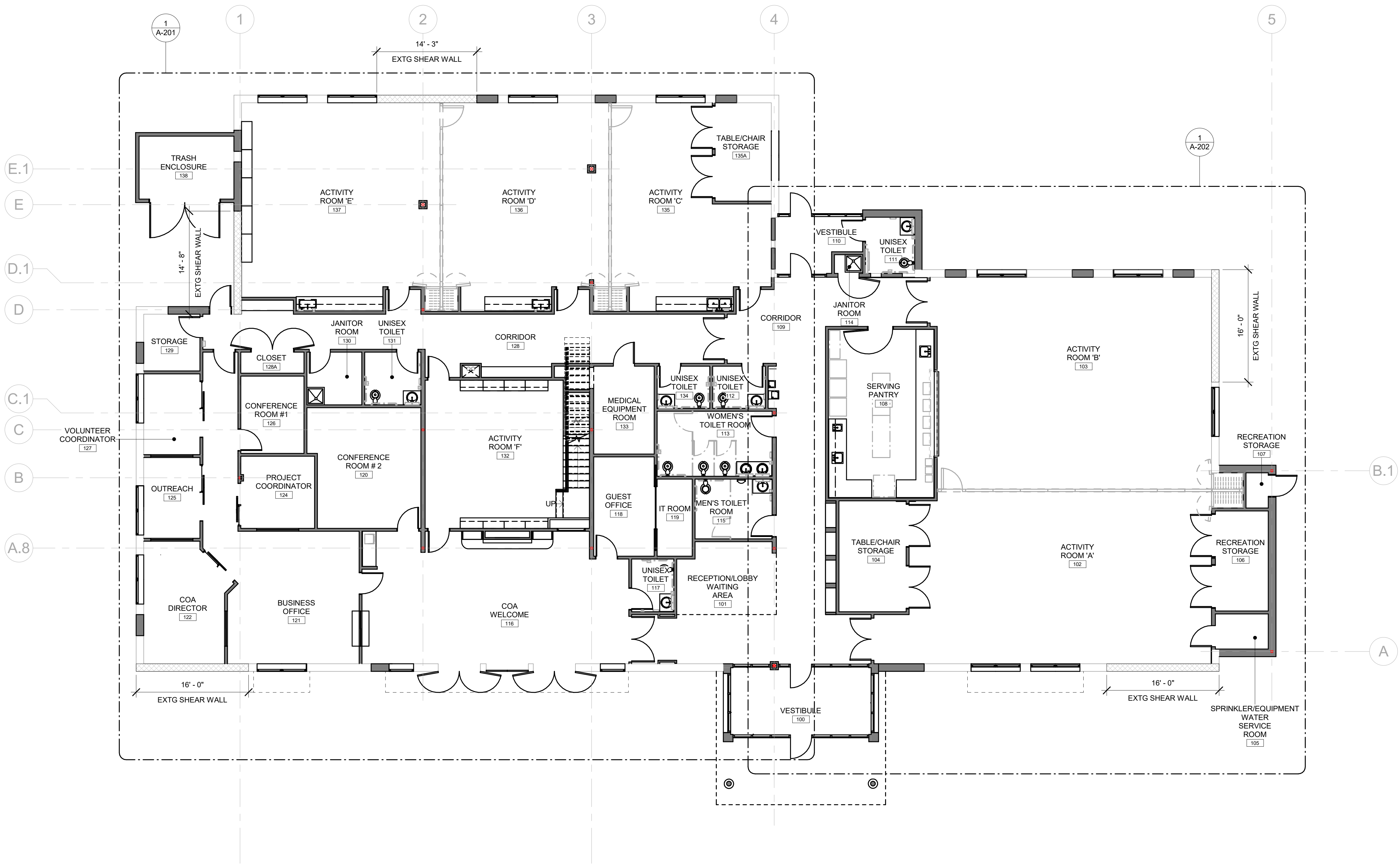
SCALE:  
**1/8" = 1'-0"**

PROJECT NO.:  
**21-125-2125.04**

DRAWING NO.:

**A-200**

PROJECT LOCATION:  
808 36th Street W, Wayland, MA 01778  
DATE & TIME PRINTED: 11/23/2022 2:55:53 PM



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

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

- GENERAL NOTES**
- WALLS CALLED OUT AS EXISTING MAY BE DEMOLISHED IN PART FOR NEW CONSTRUCTION REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE TO RECONSTRUCT THESE WALL AS PART OF THE PROJECT.
  - CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS.
  - CONTRACTOR TO PROVIDE IN WALL BLOCKING FOR ALL MOUNTED FURNITURE AND EQUIPMENT. CONTRACTOR TO DETERMINE LOCATIONS WHERE IN WALL BLOCKING OR RECESSED EQUIPMENT IS NOT POSSIBLE DUE TO EXISTING WALL CONSTRUCTION. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
  - CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF UTILITIES AND PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS. THE EXISTENCE AND LOCATIONS INDICATED IN THE CONSTRUCTION DOCUMENTS ARE NOT GUARANTEED.



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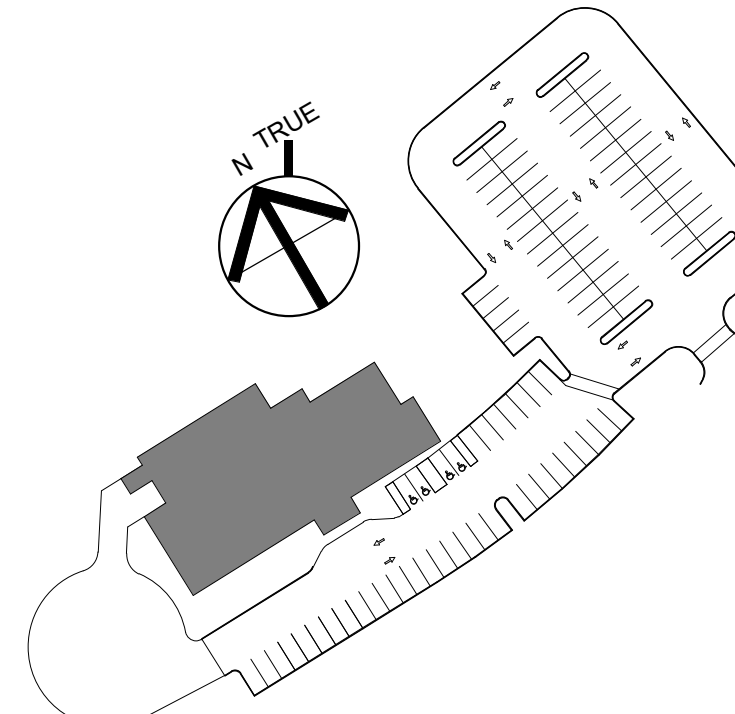
ARCHITECTURE ■ BOSTON  
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CONSULTANT:

ISSUE/REVISION:

NO.	DATE	DESCRIPTION:
A	09/19/2022	100% CD SET
B	10/12/2022	90% CD SET
C	11/23/2022	90% CD SET

KEY PLAN:



DRAWING TITLE:  
ENLARGED FLOOR PLAN

DRAWN BY: MK	SEAL:
CHECKED BY: TA	
SCALE: 1/4" = 1'-0"	
PROJECT NO.: 21-125-2125.04	
DRAWING NO.:	

A-201

PROJECT LOCATION:  
800 North of Wayland On Call TAXI ORDER #4/Wayland On 08-24-22 v1  
DATE & TIME PRINTED: 11/23/2022 2:55:56 PM

**CODED NOTES**

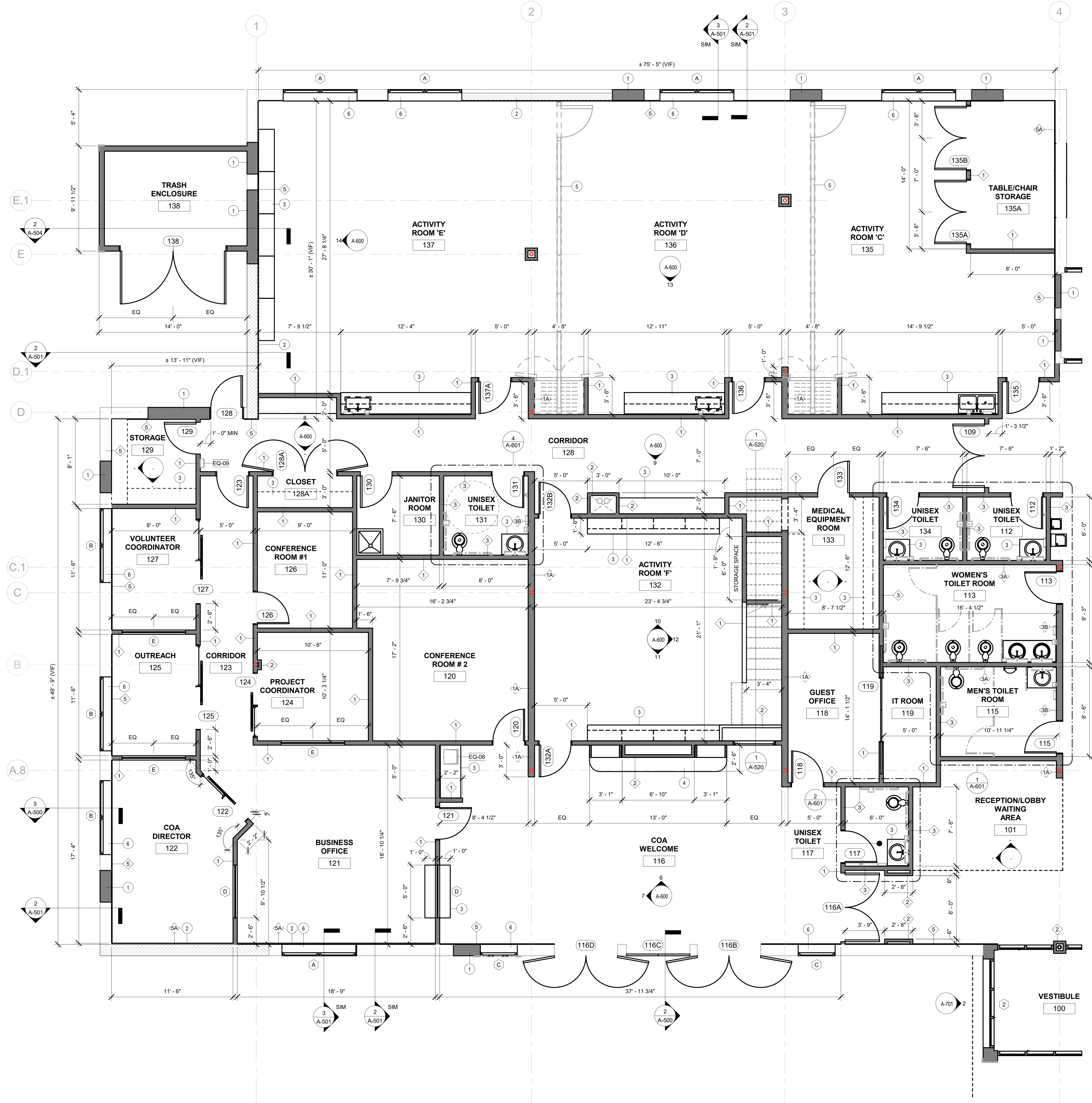
- INFILL EXISTING PARTITION WITH LIKE CONSTRUCTION.
- LOCATION OF SHEAR WALL CONSTRUCTION. SEE STRUCTURAL DRAWINGS FOR DETAILS.
- CASEWORK. PROVIDE FRT WOOD BLOCKING. SEE INTERIOR ELEVATIONS FOR DETAILS.
- FIREPLACE FEATURE WALL CONSTRUCTION. PROVIDE FRT WOOD BLOCKING. SEE INTERIOR ELEVATION FOR DETAILS.
- MOVEABLE PARTITION WALL CONSTRUCTION WITH ACCESS DOOR.
- PROVIDE BLOCKING AS REQUIRED ABOVE EXTERIOR WALKWAYS FOR WINDOW TREATMENT.
- CENTER VESTIBULE DOOR ON CORRIDOR #109
- RECESS CONCRETE SLAB AS REQUIRED TO INSTALL WALK-OFF MATS. VERIFY DEPTH OF RECESS WITH MANUFACTURE RECOMMENDATIONS.
- WOOD ROLL-UP DOOR AT SERVING PANTRY.

**GENERAL NOTES**

- PATCH CONSTRUCTION AT PLACES IMPACTED BY DEMOLITION.
- PROVIDE IN WALL BLOCKING FOR ALL CASEWORK AND WALL MOUNTED EQUIPMENT.
- PARTITIONS CALLED OUT AS EXISTING MAY HAVE BEEN DEMOLISHED IN PART DUE TO THE DEMOLITION AND CONSTRUCTION OR IN WALL ELECTRICAL, MECHANICAL, PLUMBING, OR BLOCKING. THE CONTRACTOR IS RESPONSIBLE TO REBUILD THESE WALLS AS PART OF THE PROJECT.

**EQUIPMENT SCHEDULE**

MARK	EQUIPMENT	COMMENT
EQ-01	BABY CHANGING STATION	CFCI
EQ-02	ACCESSIBLE TILT MIRROR	CFCI
EQ-03	PAPER TOWEL DISPENSER	OFCI
EQ-04	SOAP DISPENSER	OFCI
EQ-05	COAT HOOK	CFCI
EQ-06	GRAB BAR	CFCI
EQ-07	TOILET PAPER DISPENSER	OFCI
EQ-08	ICE MACHINE	OFCI
EQ-09	FIRE EXTINGUISHER	CFCI



1 ENLARGED GROUND FLOOR PLAN (1)  
1/4" = 1'-0"



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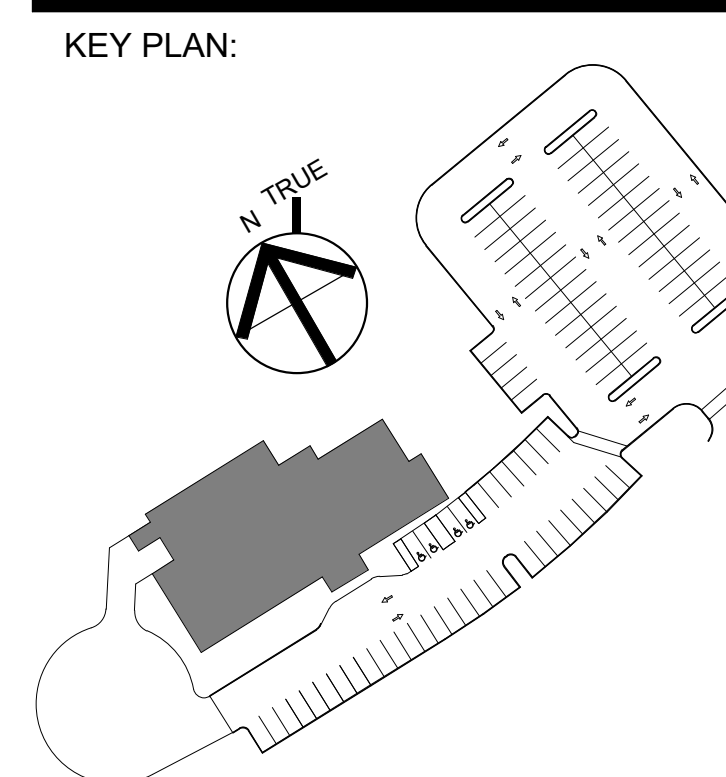


ARCHITECTURE ■ BOSTON  
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TEL: 207.582.2400  
FAX: 207.582.8320

CONSULTANT:

ISSUE/REVISION:

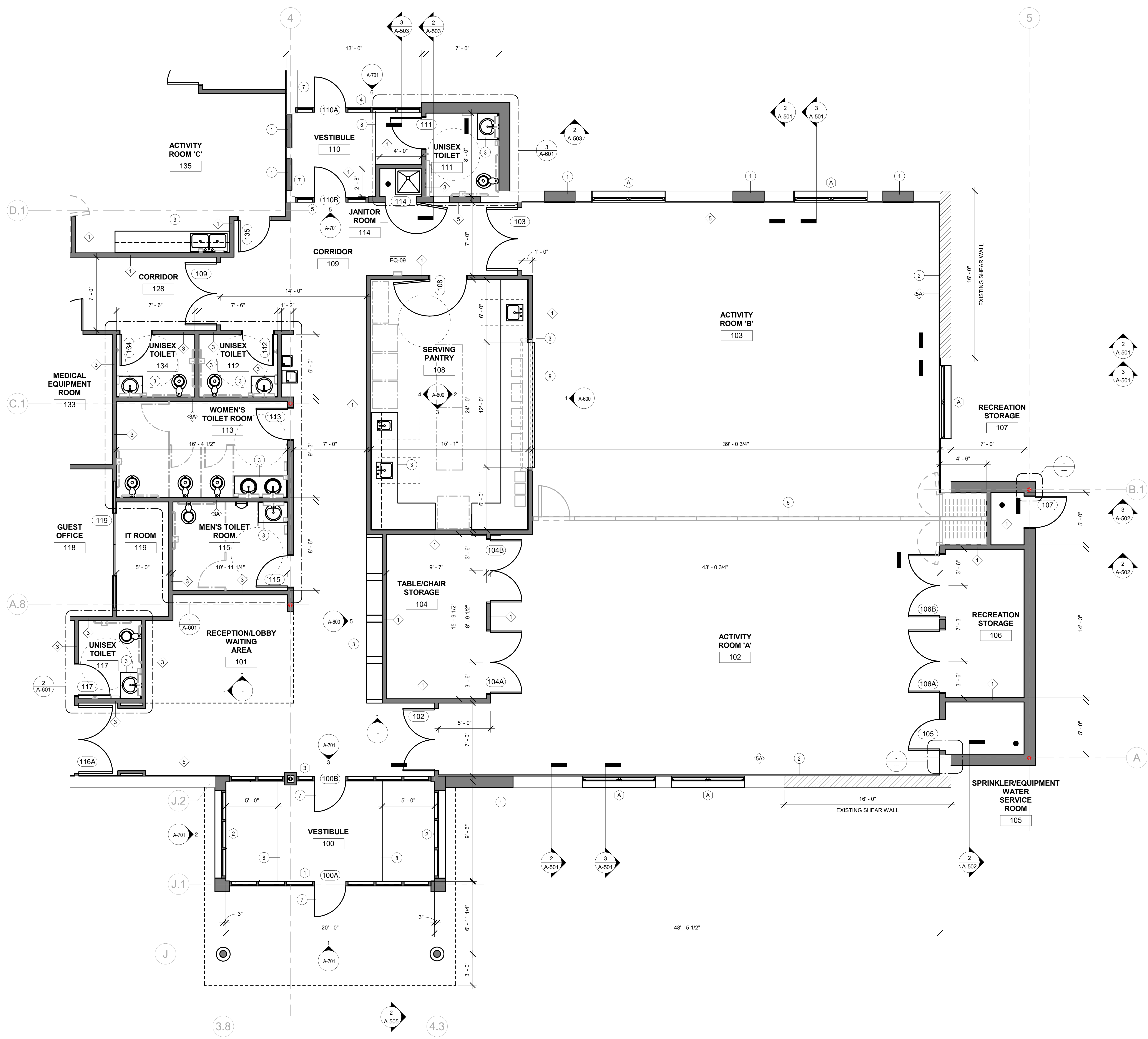
NO.	DATE	DESCRIPTION
A	09/19/2022	100% DD SET
B	10/12/2022	50% CD SET
C	11/23/2022	95% CD SET



DRAWING TITLE:  
ENLARGED FLOOR PLAN

DRAWN BY: MK	SEAL:
CHECKED BY: TA	
SCALE: 1/4" = 1'-0"	
PROJECT NO.: 21-125-2125.04	
DRAWING NO.:	

A-202



- CODED NOTES**
- 1 INFILL EXISTING PARTITION WITH LIKE CONSTRUCTION.
  - 2 LOCATION OF SHEAR WALL CONSTRUCTION. SEE STRUCTURAL DRAWINGS FOR DETAILS.
  - 3 CASEWORK. PROVIDE FRT WOOD BLOCKING. SEE INTERIOR ELEVATIONS FOR DETAILS.
  - 4 FIREPLACE FEATURE WALL CONSTRUCTION. PROVIDE FRT WOOD BLOCKING. SEE INTERIOR ELEVATION FOR DETAILS.
  - 5 MOVEABLE PARTITION WALL CONSTRUCTION WITH ACCESS DOOR.
  - 6 PROVIDE BLOCKING AS REQUIRED ABOVE EXTERIOR WINDOWS FOR WINDOW TREATMENT.
  - 7 CENTER VESTIBULE DOOR ON CORRIDOR #109
  - 8 RECESS CONCRETE SLAB AS REQUIRED TO INSTALL WALK-OFF MATS. VERIFY DEPTH OF RECESS WITH MANUFACTURE RECOMMENDATIONS.
  - 9 WOOD ROLL-UP DOOR AT SERVING PANTRY.

- GENERAL NOTES**
1. PATCH CONSTRUCTION AT PLACES IMPACTED BY DEMOLITION.
  2. PROVIDE IN WALL BLOCKING FOR ALL CASEWORK AND WALL MOUNTED EQUIPMENT.
  3. PARTITIONS CALLED OUT AS EXISTING MAY HAVE BEEN DEMOLISHED IN PART DUE TO THE DEMOLITION AND CONSTRUCTION OR IN WALL ELECTRICAL, MECHANICAL, PLUMBING, OR BLOCKING. THE CONTRACTOR IS RESPONSIBLE TO REBUILD THESE WALLS AS PART OF THE PROJECT.

**EQUIPMENT SCHEDULE**

MARK	EQUIPMENT	COMMENT
EQ-01	BABY CHANGING STATION	CFCI
EQ-02	ACCESSIBLE TILT MIRROR	CFCI
EQ-03	PAPER TOWEL DISPENSER	OFCI
EQ-04	SOAP DISPENSER	OFCI
EQ-05	COAT HOOK	CFCI
EQ-06	GRAB BAR	CFCI
EQ-07	TOILET PAPER DISPENSER	OFCI
EQ-08	ICE MACHINE	OFCI
EQ-09	FIRE EXTINGUISHER	CFCI

1 ENLARGED GROUND FLOOR PLAN (2)  
1/4" = 1'-0"



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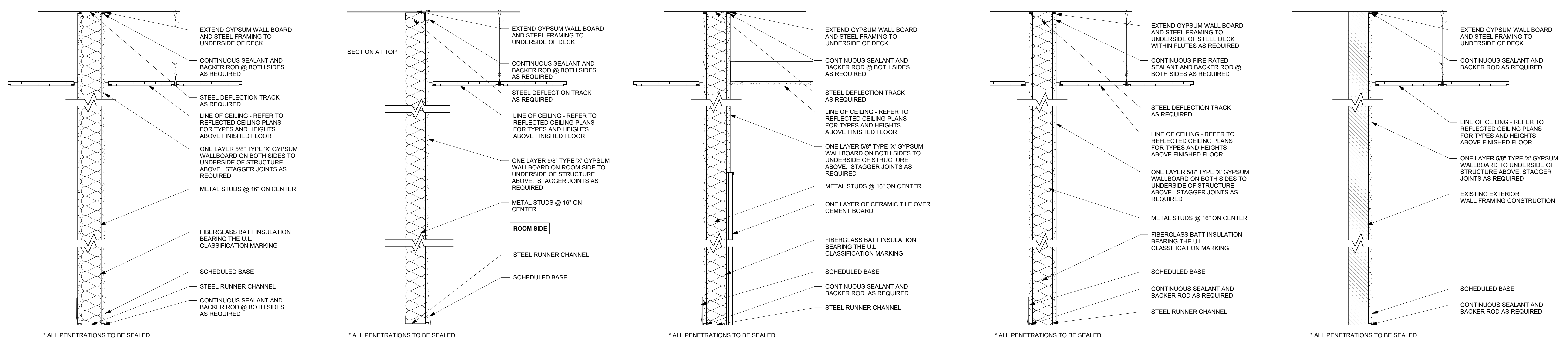
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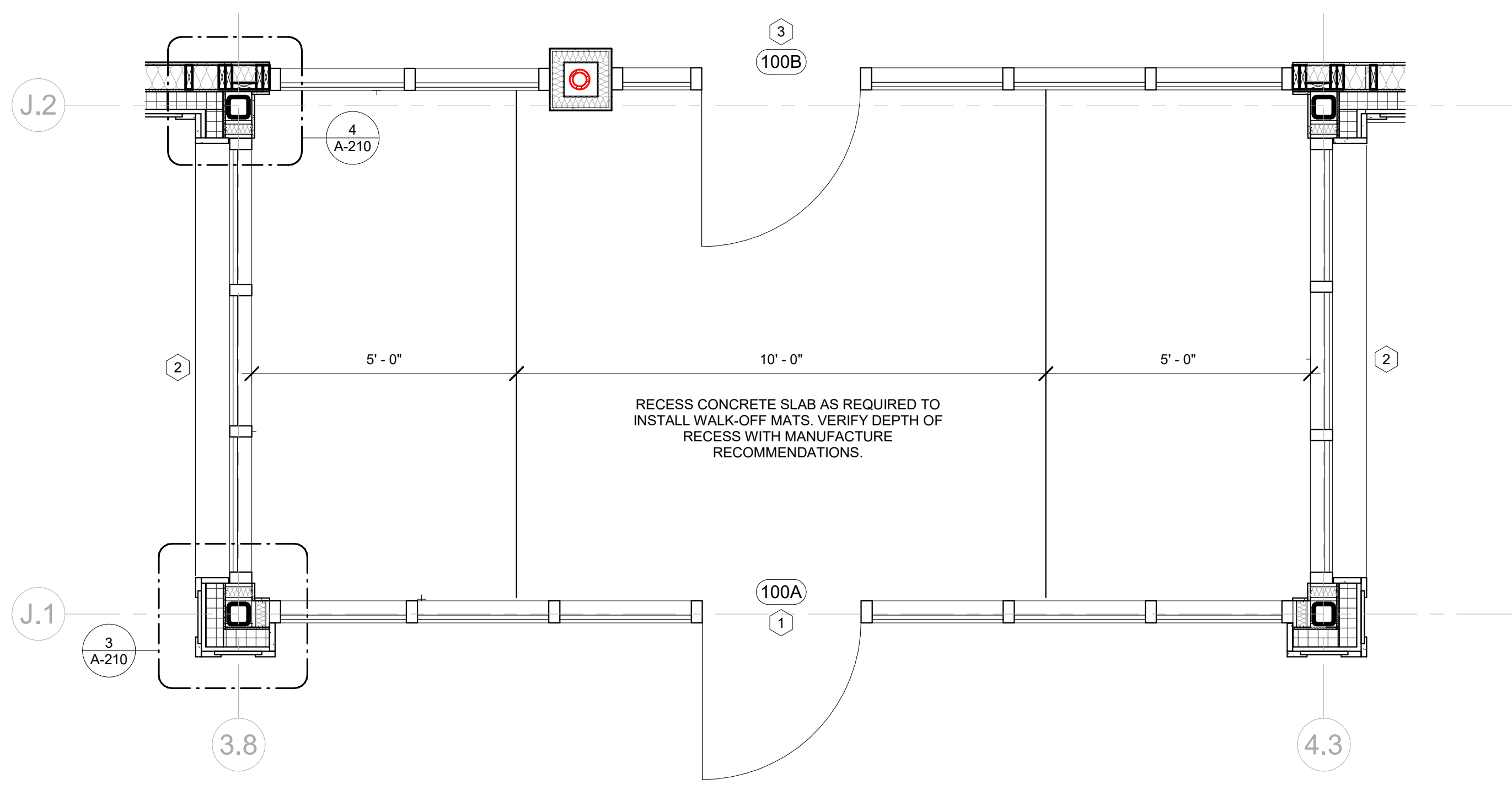
ENGINEERING ■ PORTLAND  
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CONSULTANT:

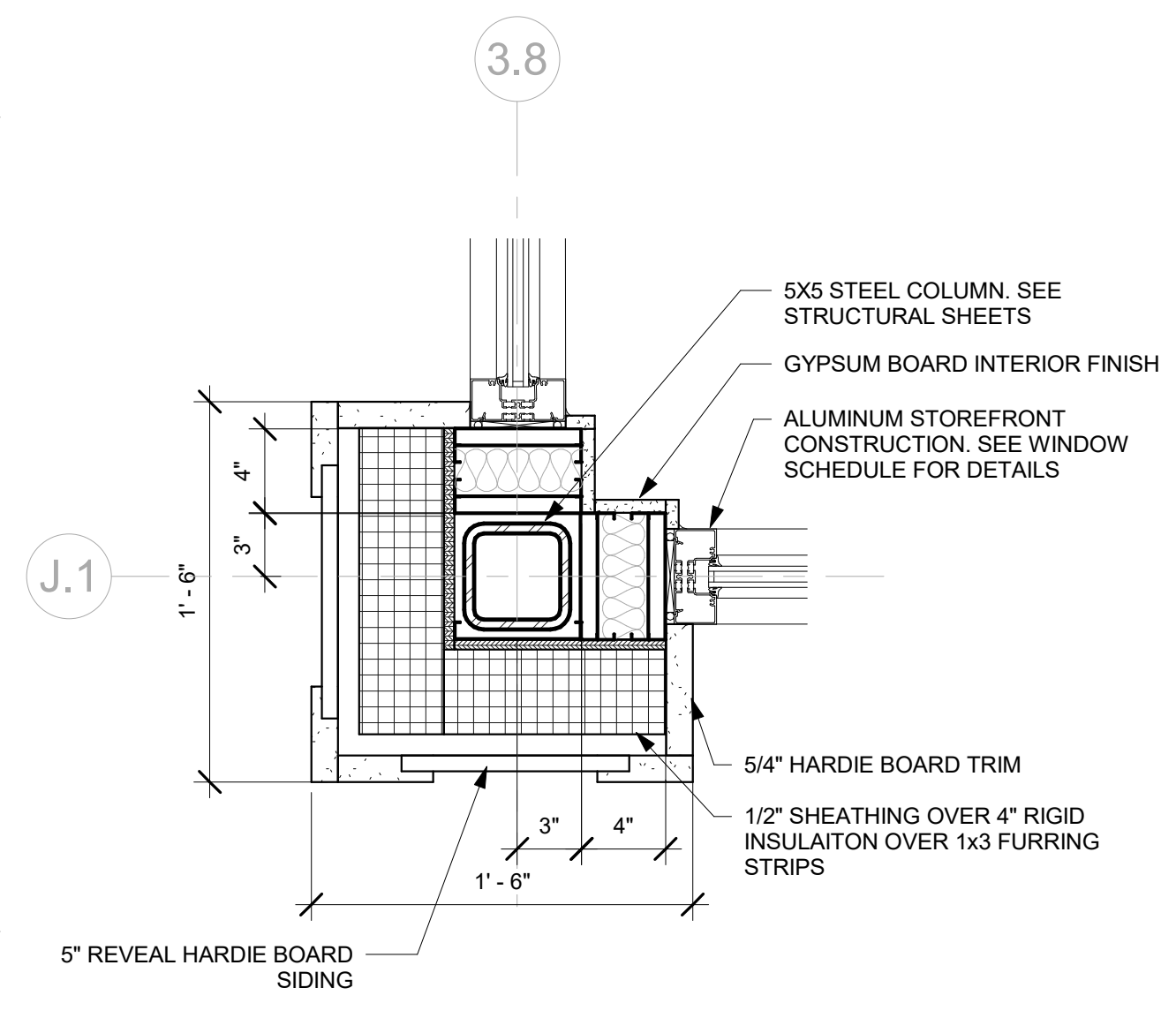


- 1 NON-RATED PARTITION  
3 5/8" STUDS
- 2 SINGLE SIDED PARTITION  
2 1/2" STUDS
- 3 TOILET ROOM PARTITION  
3 5/8" STUDS WITH CEMENT BOARD
- 4 1 HOUR RATED PARTITION  
3 5/8" STUDS
- 5 GYPSUM BOARD OVER EXISTING FRAMING
- 6 NON-RATED PARTITION  
6" STUDS
- 7 TOILET ROOM PARTITION  
3 5/8" STUDS WITH CEMENT BOARD BOTH SIDES
- 8 TOILET ROOM PARTITION  
6" STUDS WITH CEMENT BOARD
- 9 PLYWOOD AND GYPSUM BOARD OVER EXISTING FRAMING  
REFER TO STRUCTURAL SHEETS FOR SHEAR WALL INFORMATION

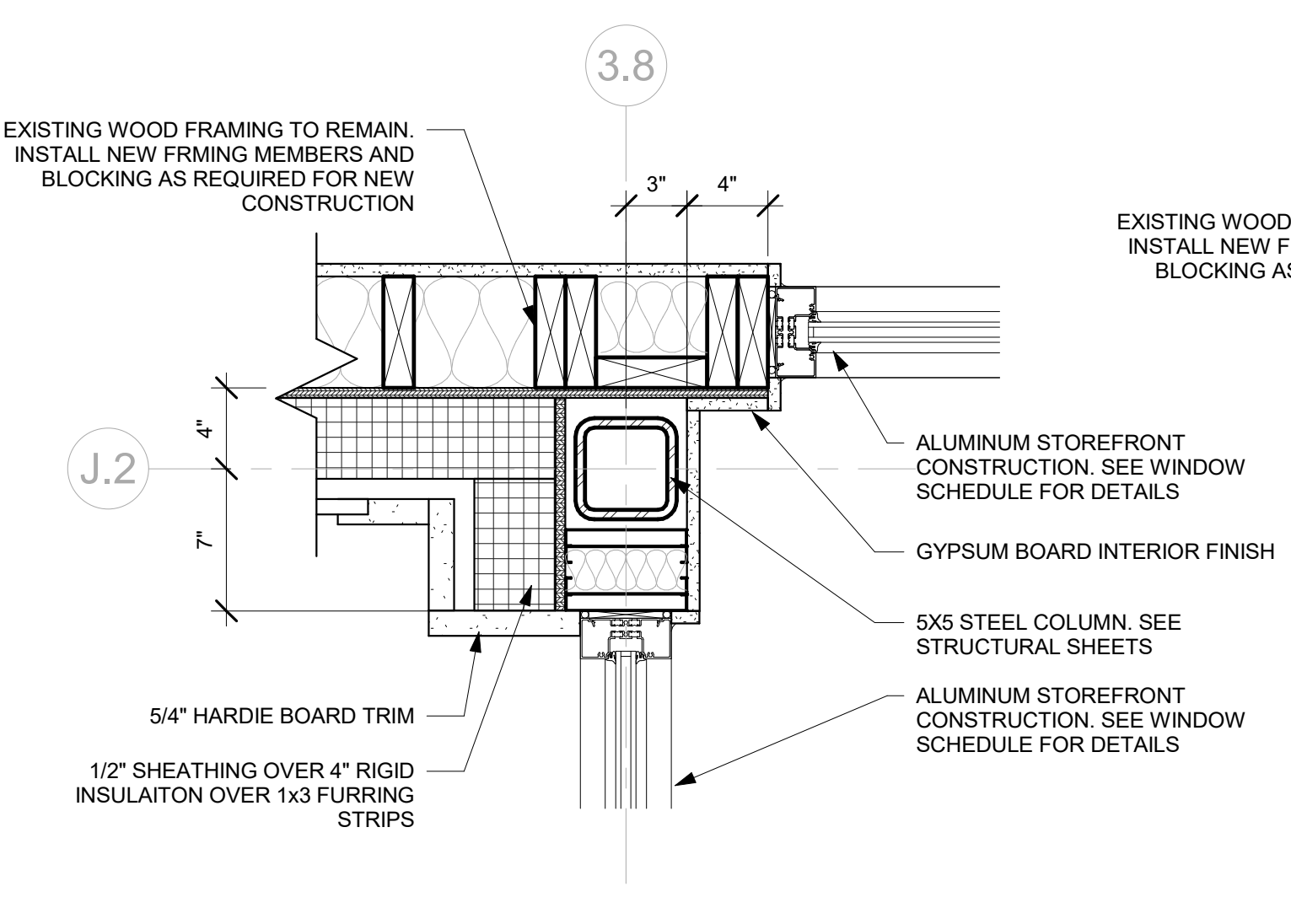
1 PARTITION DETAILS  
1 1/2" = 1'-0"



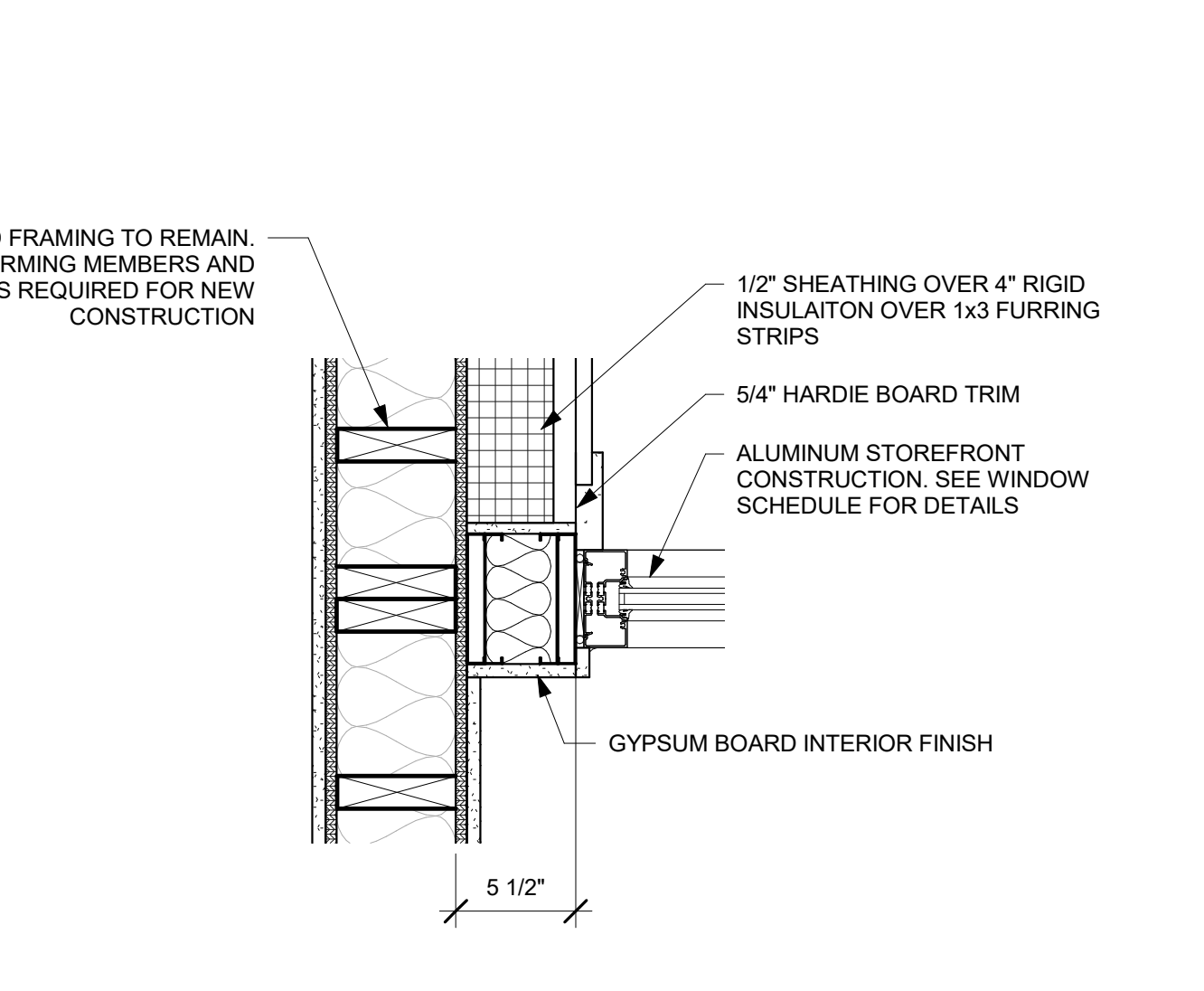
2 ENLARGED VESTIBULE #100  
1/2" = 1'-0"



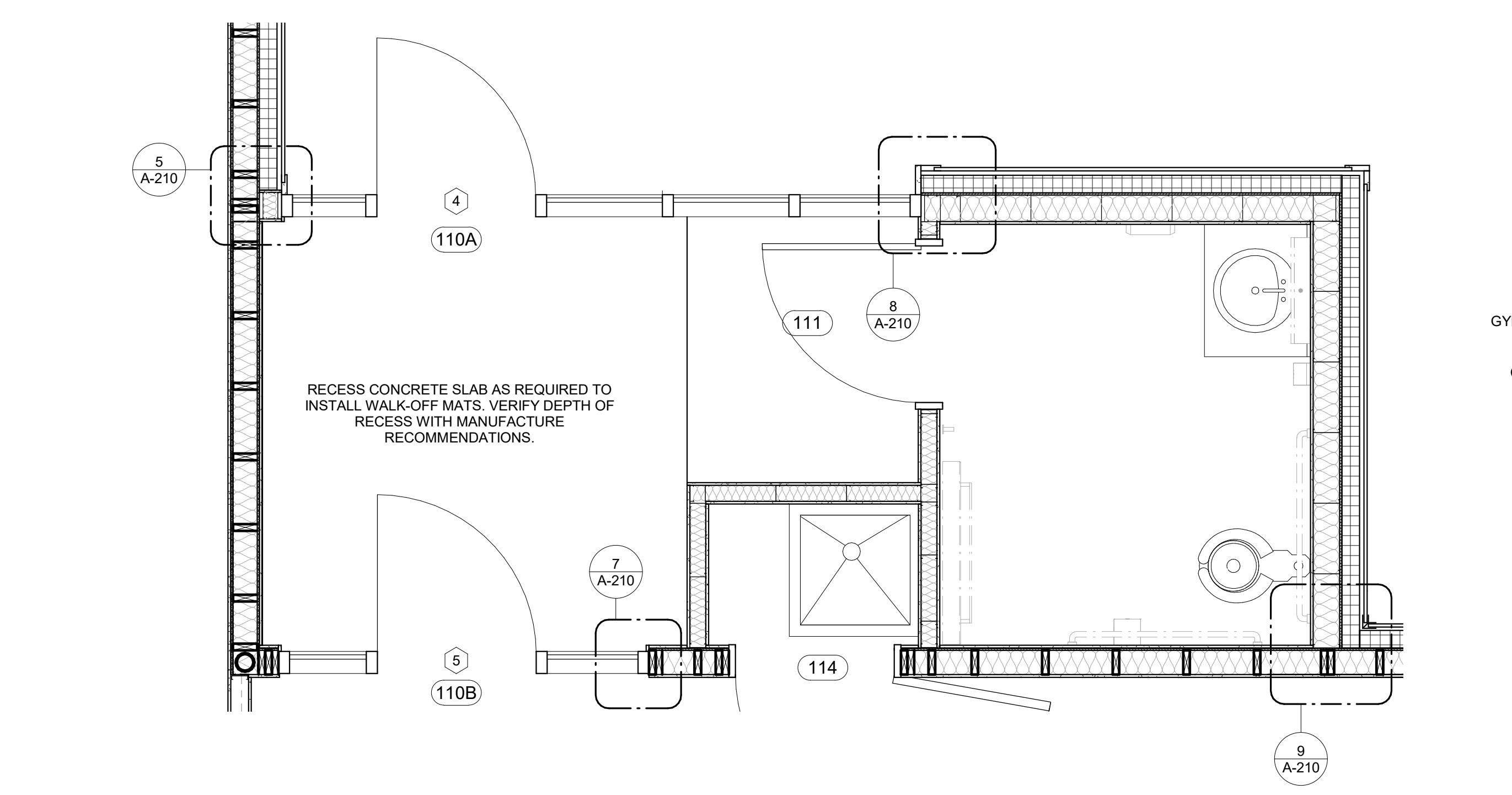
3 ENLARGED PLAN DETAIL (1)  
1 1/2" = 1'-0"



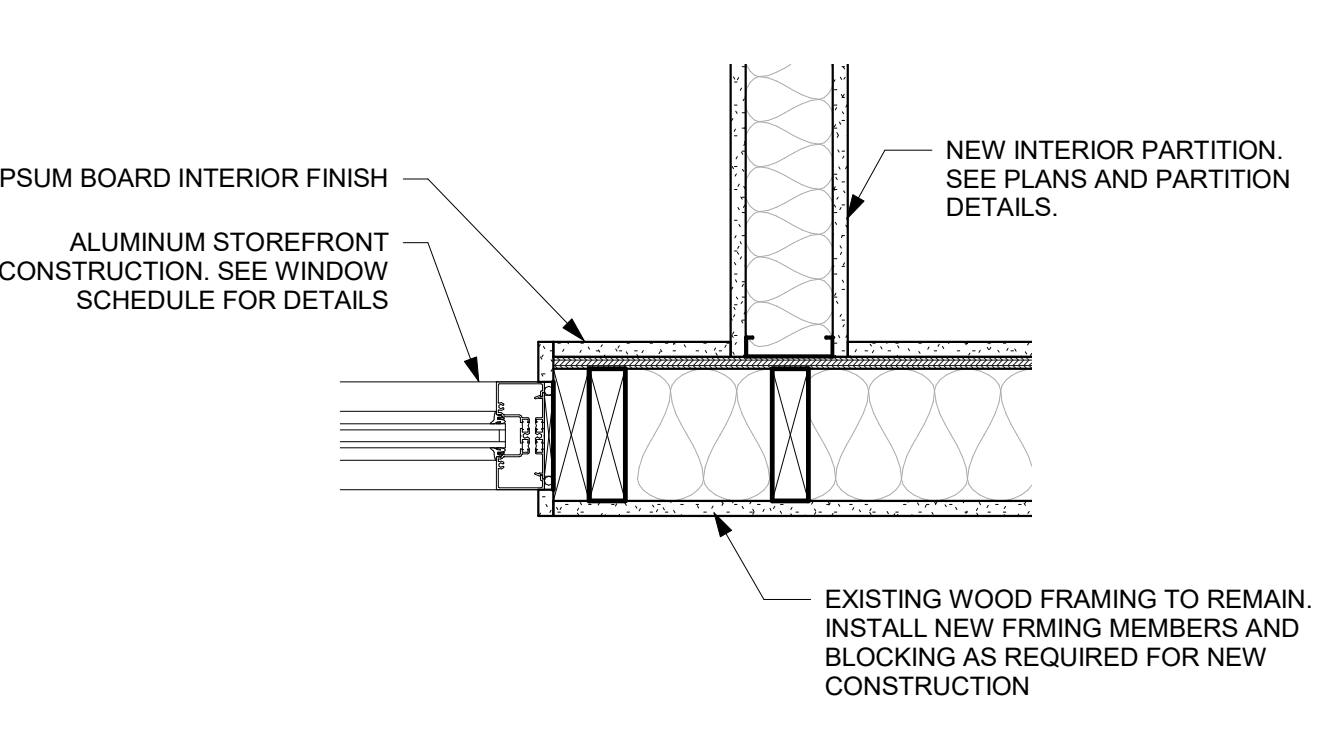
4 ENLARGED PLAN DETAIL (2)  
1 1/2" = 1'-0"



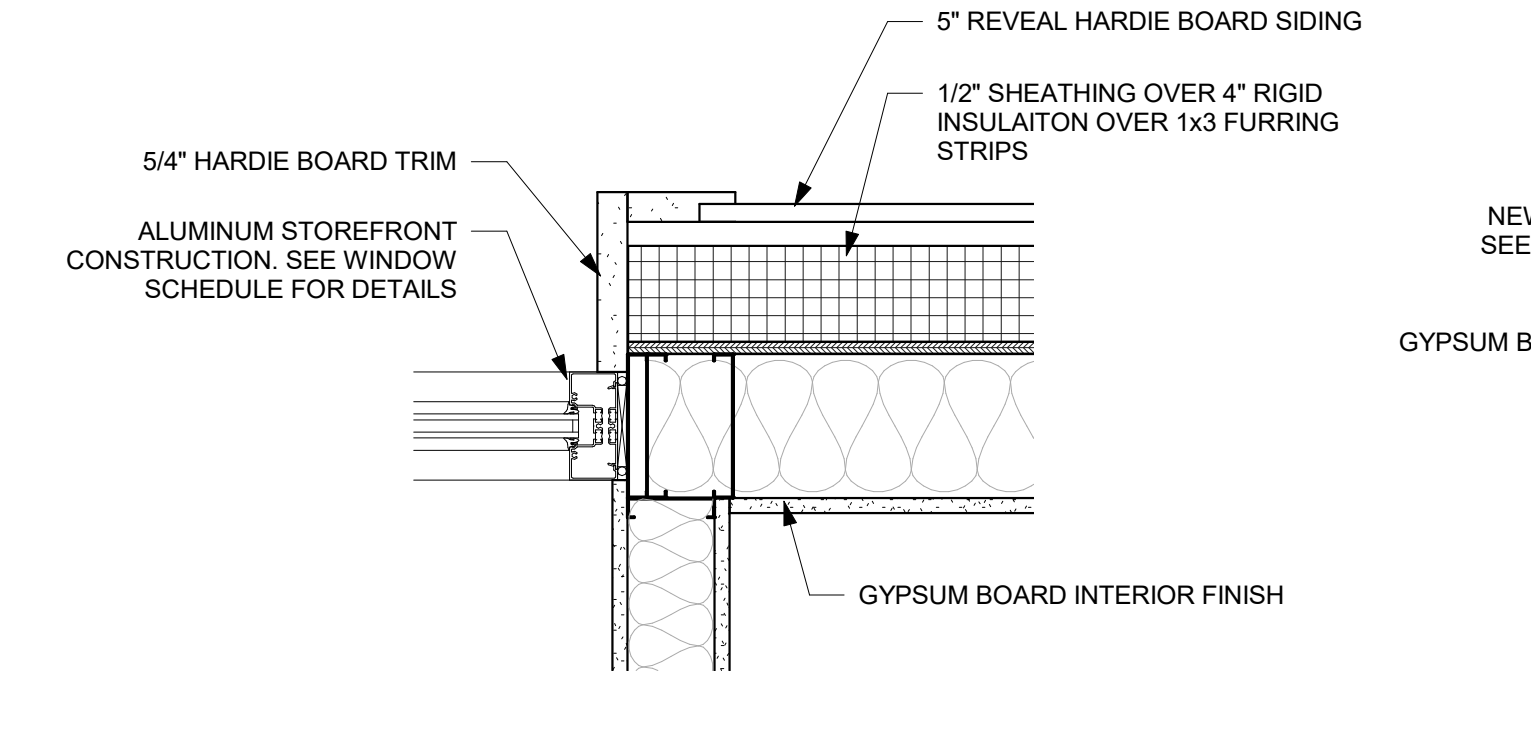
5 ENLARGED PLAN DETAIL (3)  
1 1/2" = 1'-0"



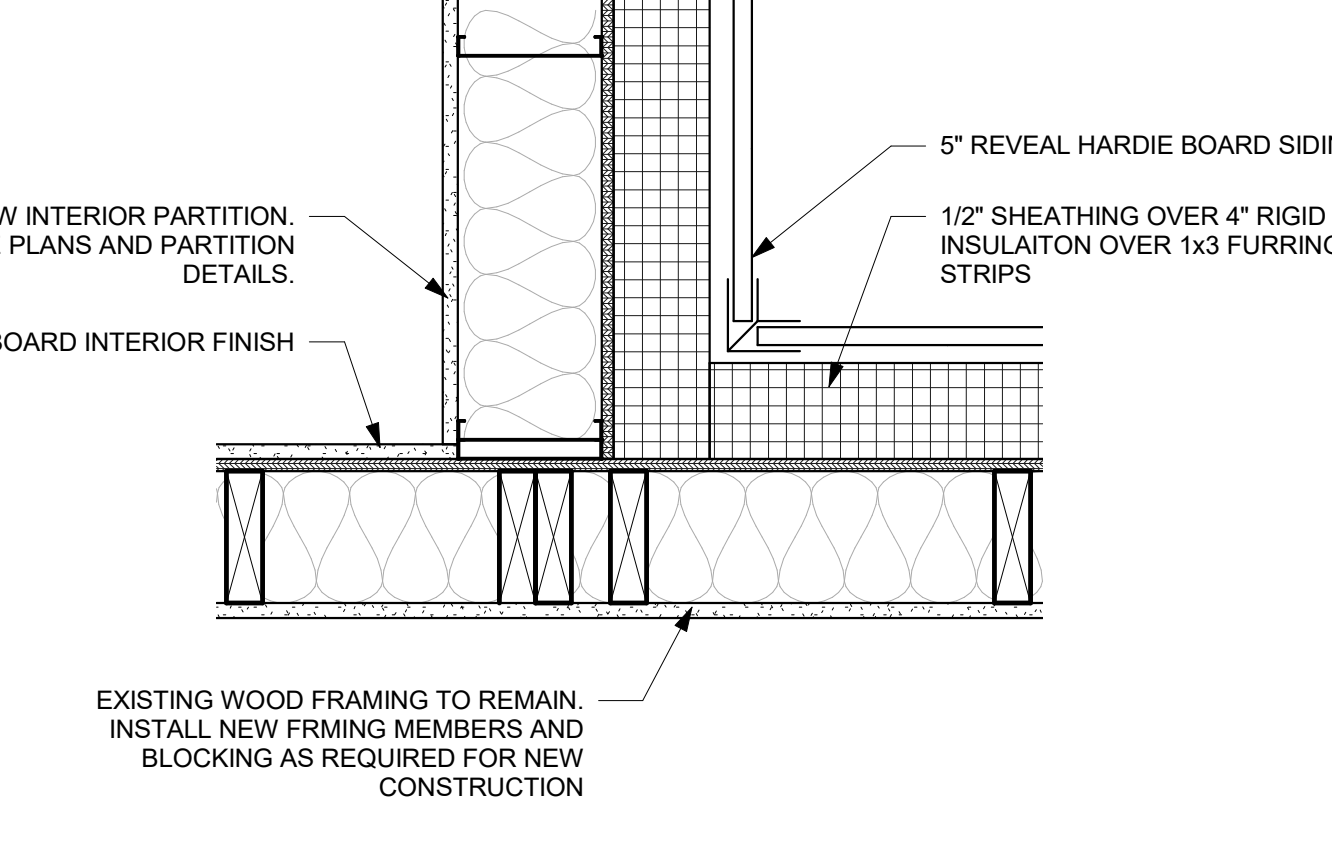
6 ENLARGED VESTIBULE #110  
1/2" = 1'-0"



7 ENLARGED PLAN DETAIL (4)  
1 1/2" = 1'-0"



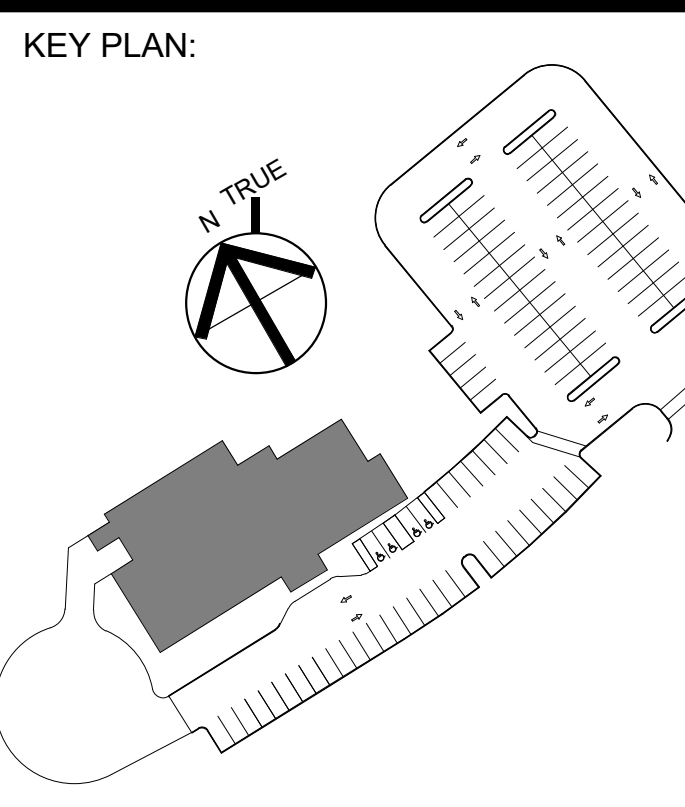
8 ENLARGED PLAN DETAIL (5)  
1 1/2" = 1'-0"



9 ENLARGED PLAN DETAIL (6)  
1 1/2" = 1'-0"

ISSUE/REVISION:

NO.	DATE	DESCRIPTION
B	10/12/2022	50% CD SET
C	11/23/2022	90% CD SET



DRAWING TITLE:  
PARTITION TYPES AND  
ENLARGED PLAN DETAILS

DRAWN BY: MK  
CHECKED BY: TA  
SCALE: As indicated  
PROJECT NO.: 21-125-2125.04  
DRAWING NO.: A-210

PROJECT LOCATION:  
808 W. 7th Street in Wayland On Call TAX ORDER #44Wayland On 09-24-22 v1  
DATE & TIME PRINTED: 11/23/2022 2:56:00 PM



TOWN OF WAYLAND

WAYLAND CoA  
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CONSULTANT:

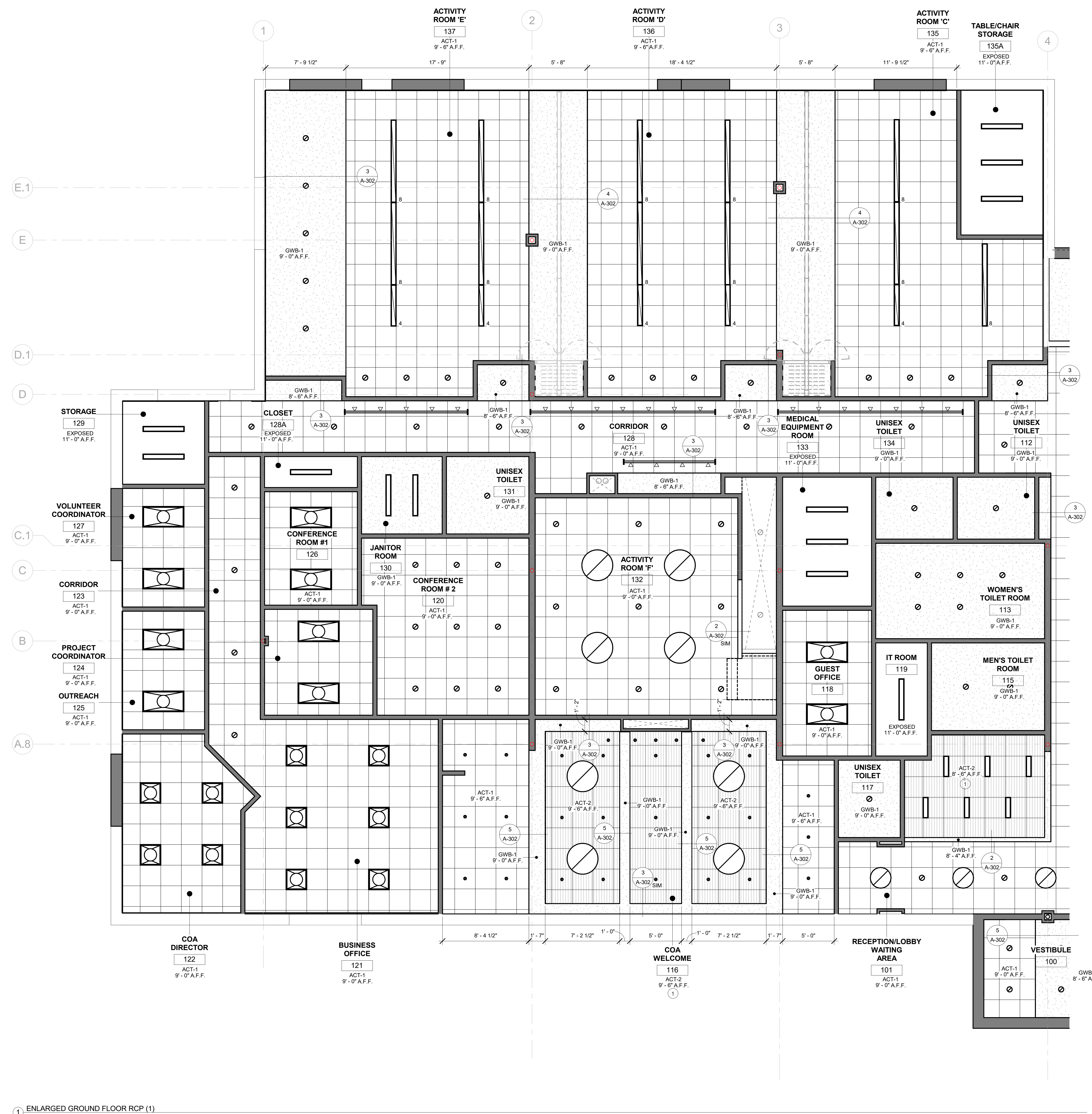
REFLECTED CEILING PLAN LEGEND	
	ACOUSTIC CEILING TILE (SEE FINISH SCHEDULE)
	GYPSUM BOARD CEILING (SEE FINISH SCHEDULE)
	2x2 LIGHT FIXTURE (SEE ELECT. SHEETS)
	GYPSUM BOARD SOFFIT (SEE FINISH SCHEDULE)
	2x4 LIGHT FIXTURE (SEE ELECT. SHEETS)
	RECESSED DOWNLIGHT (SEE ELECT. SHEETS)
	4x4 LIGHT FIXTURE (SEE ELECT. SHEETS)
	2ND DIA DRUM LIGHT FIXTURE (SEE ELECT. SHEETS)
	3RD DIA DRUM LIGHT FIXTURE (SEE ELECT. SHEETS)
	HVAC DIFFUSERS (SEE MECHANICAL DWGS)
	TRACK LIGHT FIXTURE (SEE ELECT. SHEETS)
	SPRINKLER HEAD (SEE FIRE PROTECTION SHEETS)
	4' STRIP LIGHT FIXTURE (SEE ELECT. SHEETS)
	4' PENDANT LIGHT FIXTURE (SEE ELECT. SHEETS)
	8' PENDANT LIGHT FIXTURE (SEE ELECT. SHEETS)
	WOOD GRILL LIGHT FIXTURE (SEE ELECT. SHEETS)

**GENERAL NOTES**

- ALL ACT CEILINGS ARE TO BE AT 8'-0" AFF UNLESS OTHERWISE NOTED.
- COORDINATE WITH ENGINEERING DRAWINGS. NOT ALL REQUIRED ACCESS PANELS, AIR DEVICES, LIGHT FIXTURES, FIRE SPRINKLERS, ETC. MAY BE SHOWN. FINAL QUANTITIES AND PLACEMENT APPROVED IN CONSTRUCTION SUBMITTALS / SHOP DRAWINGS.
- REFER TO ENGINEERING DRAWINGS FOR ELECTRICAL, PLUMBING, FIRE PROTECTION AND HVAC SYSTEM LAYOUTS AND QUANTITIES OF ITEMS. THE REFLECTED CEILING PLAN GOVERNS IN REGARD TO THE LOCATION OF SUCH ITEMS.
- ENGINEERING ITEMS REQUIRED THAT ARE NOT SHOWN ON THE REFLECTED CEILING PLAN SHALL BE LOCATED AS DESCRIBED HEREIN OR AS DIRECTED BY THE ARCHITECT.
- IT IS THE INTENT THAT ENGINEERING SYSTEM ITEMS TYPICALLY BE PLACED CENTER OF TILE, IN LINE, AND / OR SYMMETRICAL AS APPLICABLE UNLESS SHOWN OTHERWISE.
- REFER TO INTERIOR FINISH SCHEDULE FOR REFLECTED PLAN CEILING TYPES AND MANUFACTURERS.

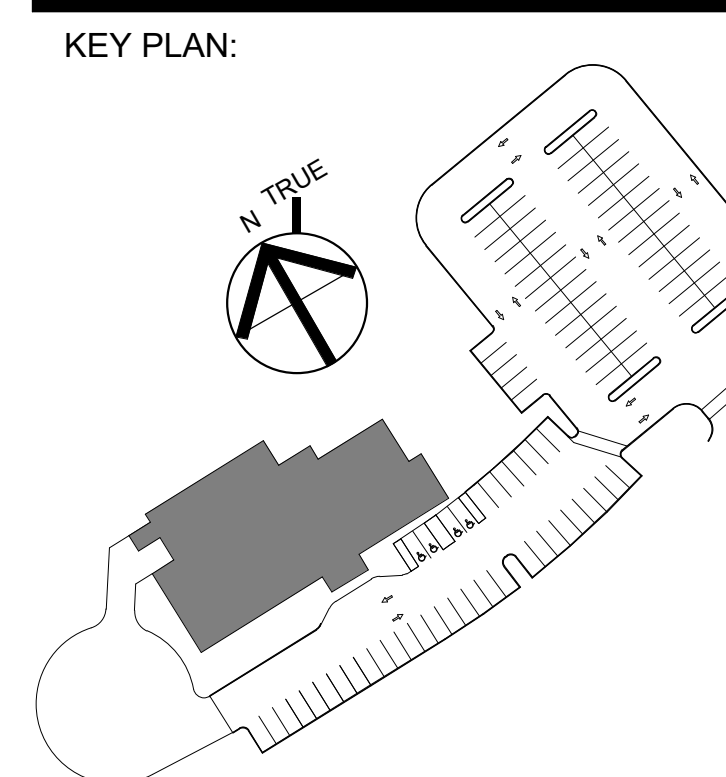
**REFLECTED CEILING PLAN CODED NOTES**

- PAINT GYPSUM BOARD AIR BARRIER ABOVE WOOD GRILL CEILING



**ISSUE/REVISION:**

NO.	DATE	DESCRIPTION
A	09/19/2022	100% CD SET
B	10/12/2022	50% CD SET
C	11/23/2022	90% CD SET



**DRAWING TITLE:**  
ENLARGED GROUND FLOOR  
REFLECTED CEILING PLAN

**DRAWN BY:** MK  
**CHECKED BY:** JZ  
**SCALE:** 1/4" = 1'-0"  
**PROJECT NO.:** 21-125-2125.04  
**DRAWING NO.:** A-300

1 ENLARGED GROUND FLOOR RCP (1)  
1/4" = 1'-0"



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CONSULTANT:

REFLECTED CEILING PLAN LEGEND	
	ACOUSTIC CEILING TILE (SEE FINISH SCHEDULE)
	GYPSUM BOARD CEILING (SEE FINISH SCHEDULE)
	2x2 LIGHT FIXTURE (SEE ELECT. SHEETS)
	GYPSUM BOARD SOFFIT (SEE FINISH SCHEDULE)
	2x4 LIGHT FIXTURE (SEE ELECT. SHEETS)
	RECESSED DOWNLIGHT (SEE ELECT. SHEETS)
	4x4 LIGHT FIXTURE (SEE ELECT. SHEETS)
	2" DIA DRUM LIGHT FIXTURE (SEE ELECT. SHEETS)
	3" DIA DRUM LIGHT FIXTURE (SEE ELECT. SHEETS)
	HVAC DIFFUSERS (SEE MECHANICAL DWGS)
	TRACK LIGHT FIXTURE (SEE ELECT. SHEETS)
	4" STRIP LIGHT FIXTURE (SEE ELECT. SHEETS)
	4" PENDANT LIGHT FIXTURE (SEE ELECT. SHEETS)
	8" PENDANT LIGHT FIXTURE (SEE ELECT. SHEETS)
	SPRINKLER HEAD (SEE FIRE PROTECTION SHEETS)
	WOOD GRILL LIGHT FIXTURE (SEE ELECT. SHEETS)

GENERAL NOTES	
1.	ALL ACT CEILINGS ARE TO BE AT 8'-6" AFF UNLESS OTHERWISE NOTED.
2.	COORDINATE WITH ENGINEERING DRAWINGS. NOT ALL REQUIRED ACCESS PANELS, AIR DEVICES, LIGHT FIXTURES, FIRE SPRINKLERS, ETC. MAY BE SHOWN. FINAL QUANTITIES AND PLACEMENT APPROVED IN CONSTRUCTION SUBMITTALS / SHOP DRAWINGS.
3.	REFER TO ENGINEERING DRAWINGS FOR ELECTRICAL, PLUMBING, FIRE PROTECTION AND HVAC SYSTEM LAYOUTS AND QUANTITIES OF ITEMS. THE REFLECTED CEILING PLAN GOVERNS IN REGARD TO THE LOCATION OF SUCH ITEMS.
4.	ENGINEERING ITEMS REQUIRED THAT ARE NOT SHOWN ON THE REFLECTED CEILING PLAN SHALL BE LOCATED AS DESCRIBED HEREIN OR AS DIRECTED BY THE ARCHITECT.
5.	IT IS THE INTENT THAT ENGINEERING SYSTEM ITEMS TYPICALLY BE PLACED CENTER OF TILE, IN LINE, AND / OR SYMMETRICAL AS APPLICABLE UNLESS SHOWN OTHERWISE.
6.	REFER TO INTERIOR FINISH SCHEDULE FOR REFLECTED PLAN CEILING TYPES AND MANUFACTURERS.

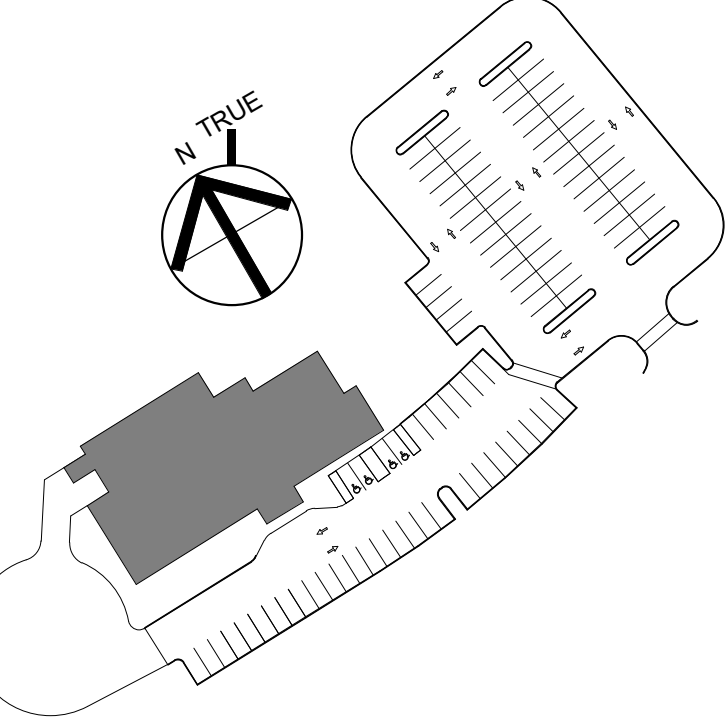
REFLECTED CEILING PLAN CODED NOTES	
1	PAINT GYPSUM BOARD AIR BARRIER ABOVE WOOD GRILL CEILING



ISSUE/REVISION:

NO.	DATE	DESCRIPTION
A	09/19/2022	100% CD SET
B	10/12/2022	50% CD SET
C	11/23/2022	90% CD SET

KEY PLAN:



DRAWING TITLE:  
**ENLARGED GROUND FLOOR  
REFLECTED CEILING PLAN**

DRAWN BY: MK	SEAL:
CHECKED BY: TA	
SCALE: 1/4" = 1'-0"	
PROJECT NO.: 21-125-2125.04	
DRAWING NO.:	

**A-301**

PRODUCT LOCATION:  
8100/07/000 of Wayland On Call TASK ORDER #4/Wayland On 09-24-22 rj  
DATE & TIME PRINTED: 11/23/2022 2:56:06 PM

1 ENLARGED GROUND FLOOR RCP (2)  
1/4" = 1'-0"





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529 MAIN STREET, SUITE 5303  
BOSTON, MA 02129  
TEL. 617.723.7100  
FAX. 617.723.9113

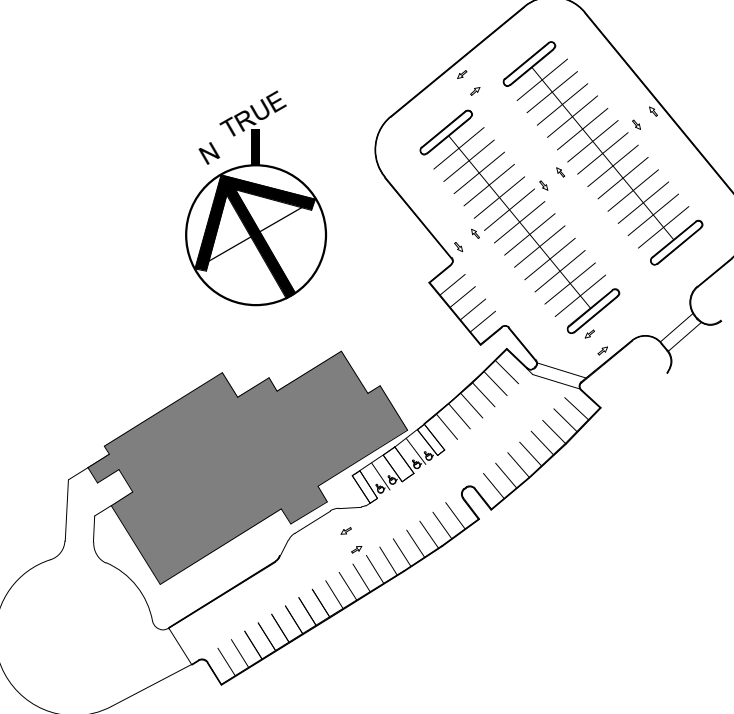
INTERIOR DESIGN  
ENGINEERING ■ PORTLAND  
500 WASHINGTON AVE  
PORTLAND, ME 04103  
TEL. 207.582.2400  
FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION:

NO.	DATE:	DESCRIPTION:
B	10/12/2022	50% CD SET
C	11/23/2022	90% CD SET

KEY PLAN:

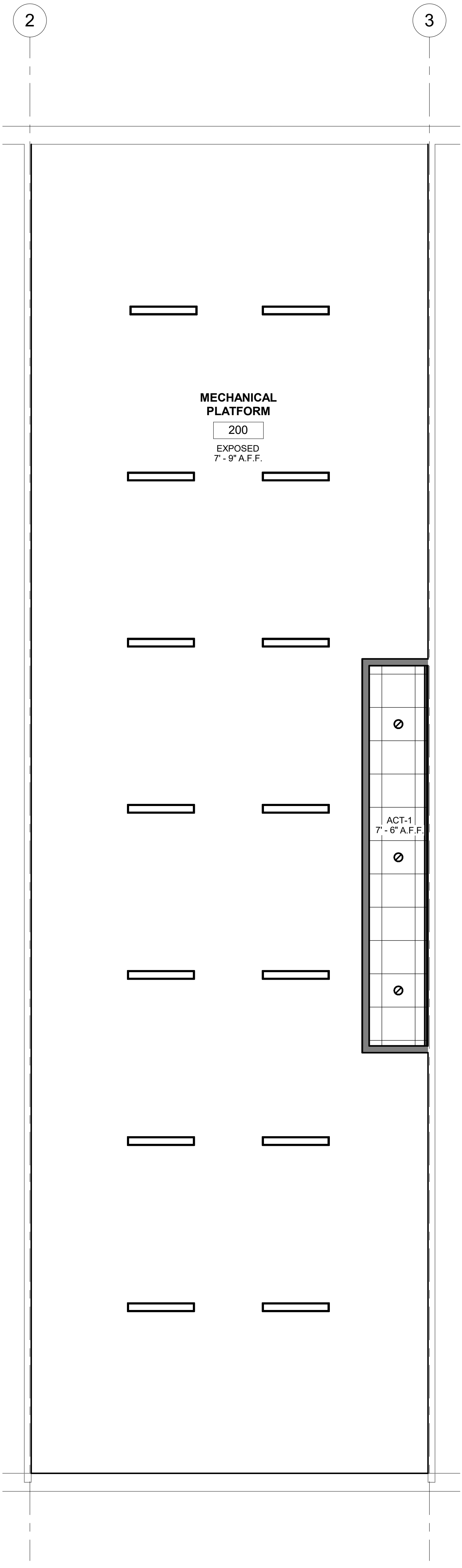


DRAWING TITLE:  
**REFLECTED CEILING PLAN  
DETAILS**

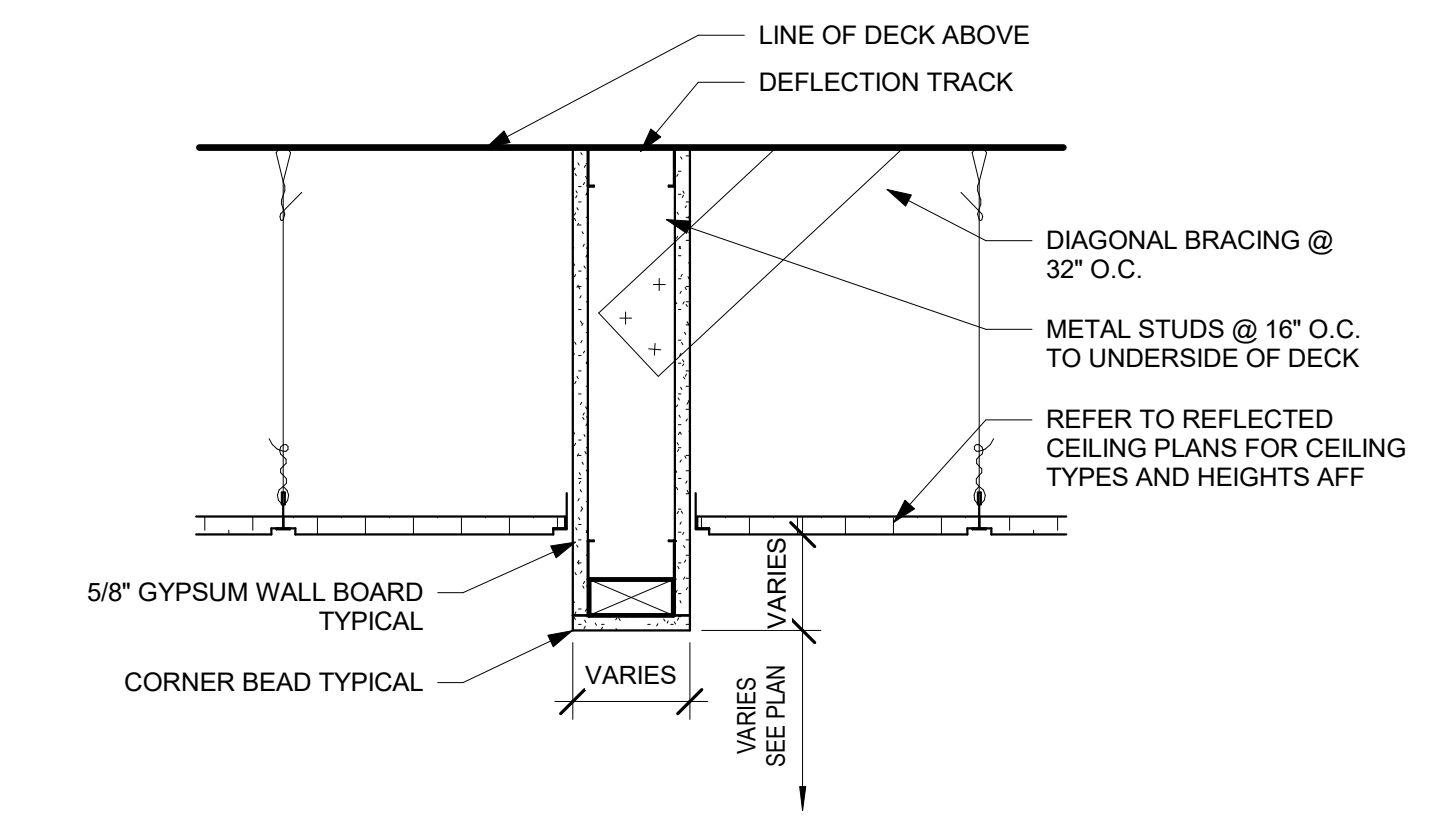
DRAWN BY: MK	SEAL:
CHECKED BY: TA	
SCALE: As indicated	
PROJECT NO.: 21-125-2125.04	
DRAWING NO.:	

**A-302**

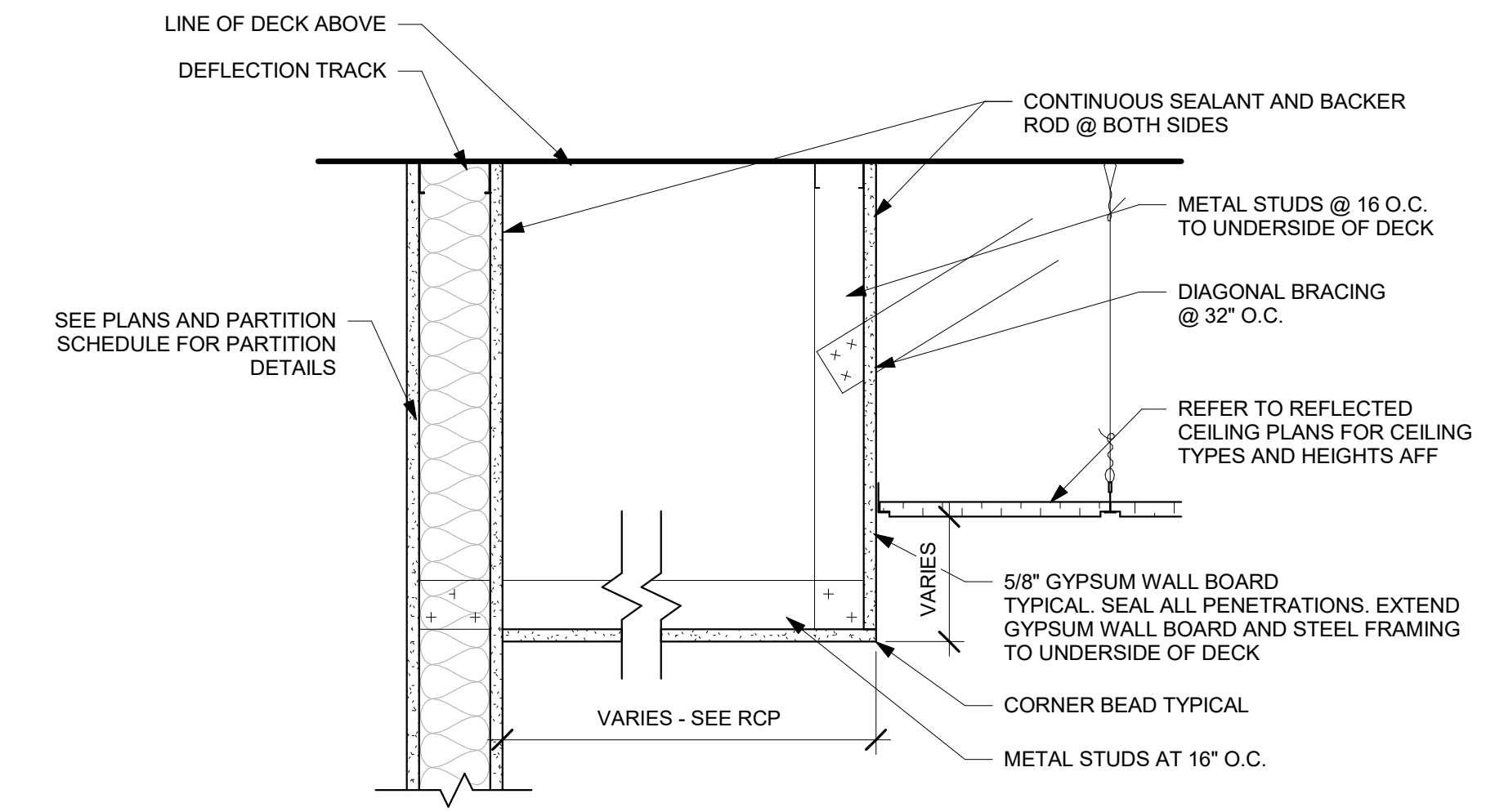
PROJECT LOCATION:  
808 Washington Ave, Wayland On Call TAXI ORDER #44Wayland On 09-24-22 v4  
DATE & TIME PRINTED: 11/23/2022 2:56:07 PM



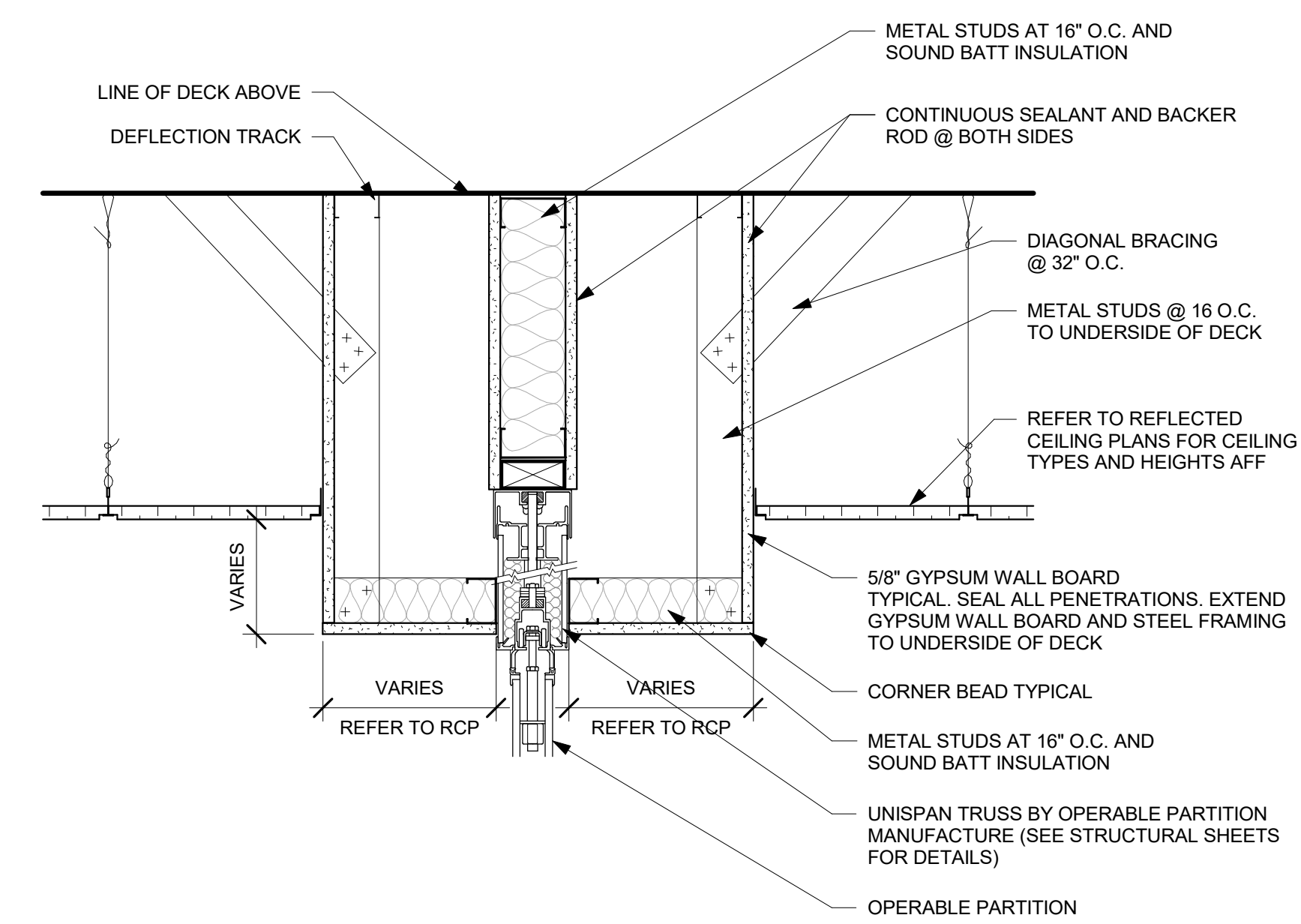
① OVERALL MEZZANINE RCP  
1/4" = 1'-0"



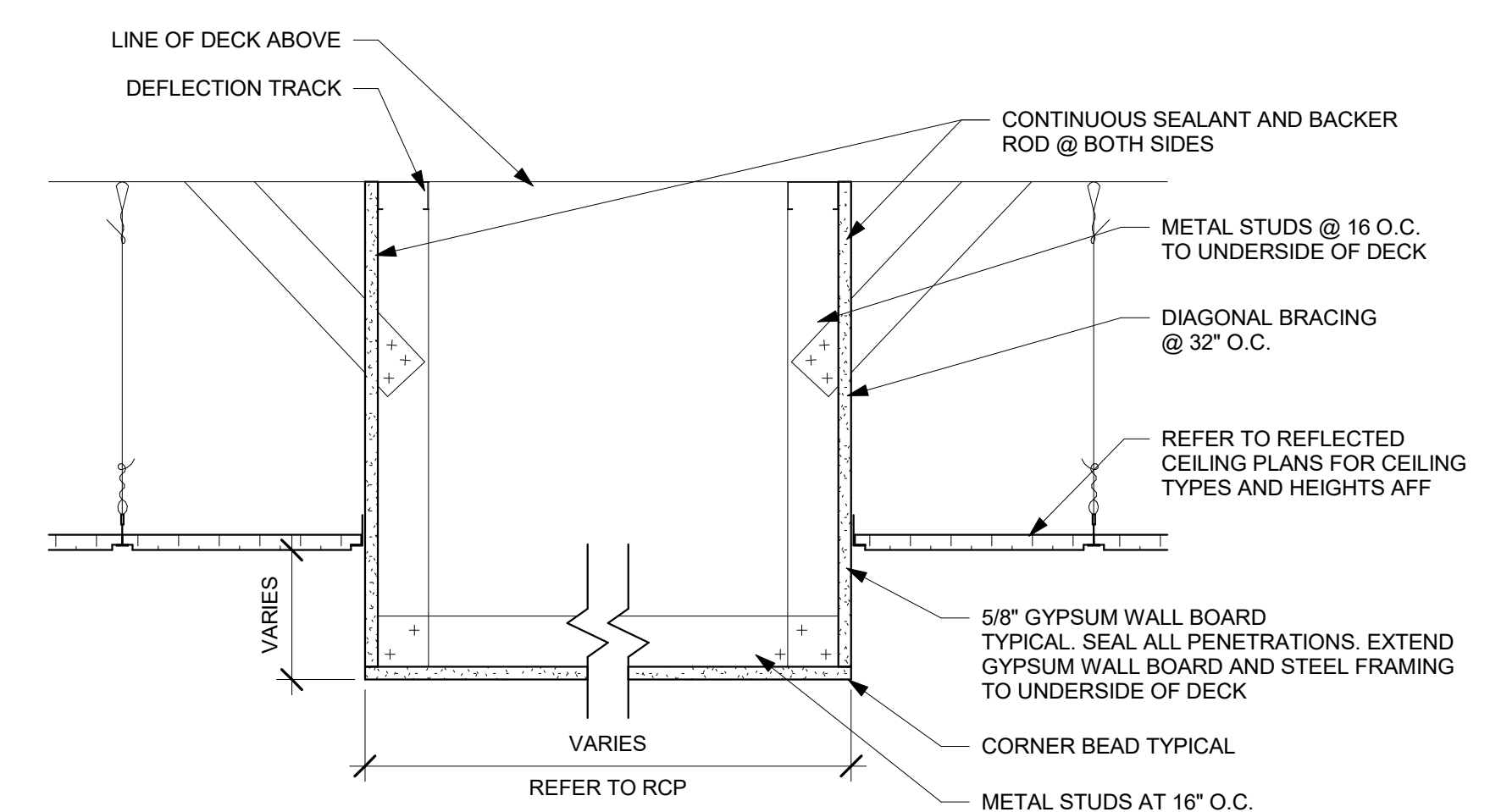
② DROP SOFFIT DETAIL  
1 1/2" = 1'-0"



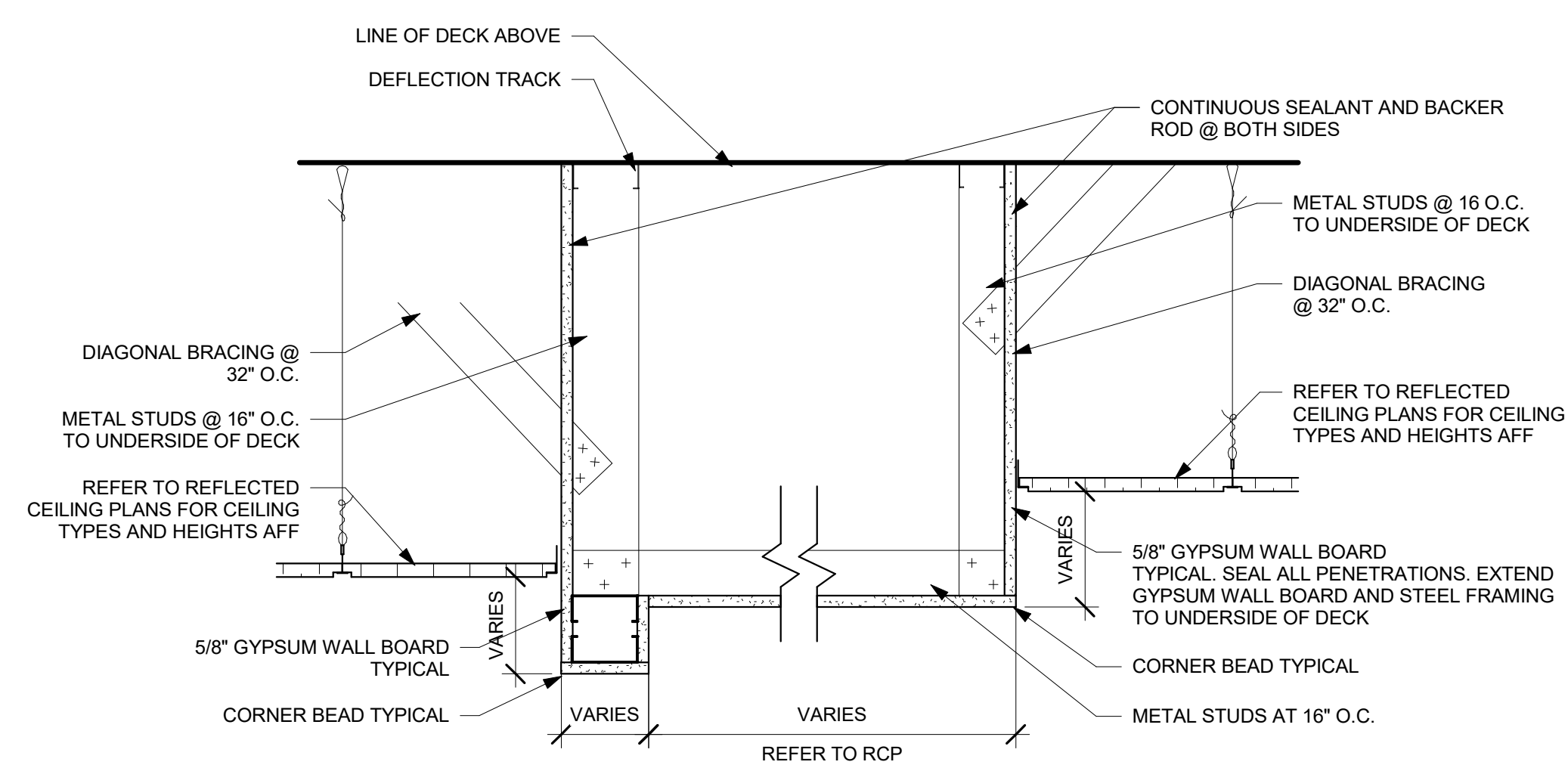
③ GYPSUM BOARD SOFFIT DETAIL  
1 1/2" = 1'-0"



④ OPERABLE PARTITION SOFFIT DETAIL  
1 1/2" = 1'-0"



⑤ WIDE DROP SOFFIT DETAIL  
1 1/2" = 1'-0"



⑥ DROP w/ GYP BOARD SOFFIT DETAIL  
1 1/2" = 1'-0"



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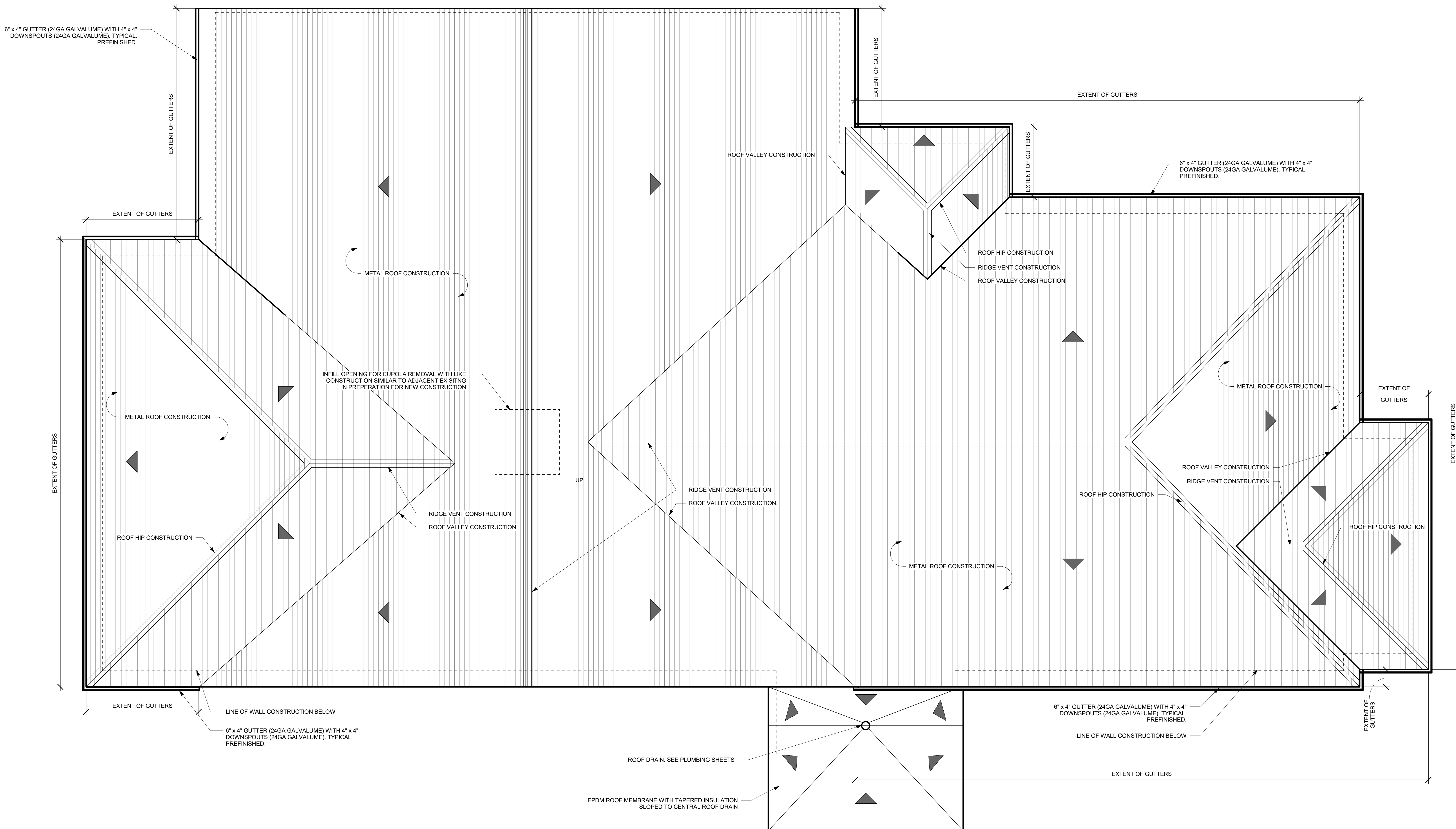
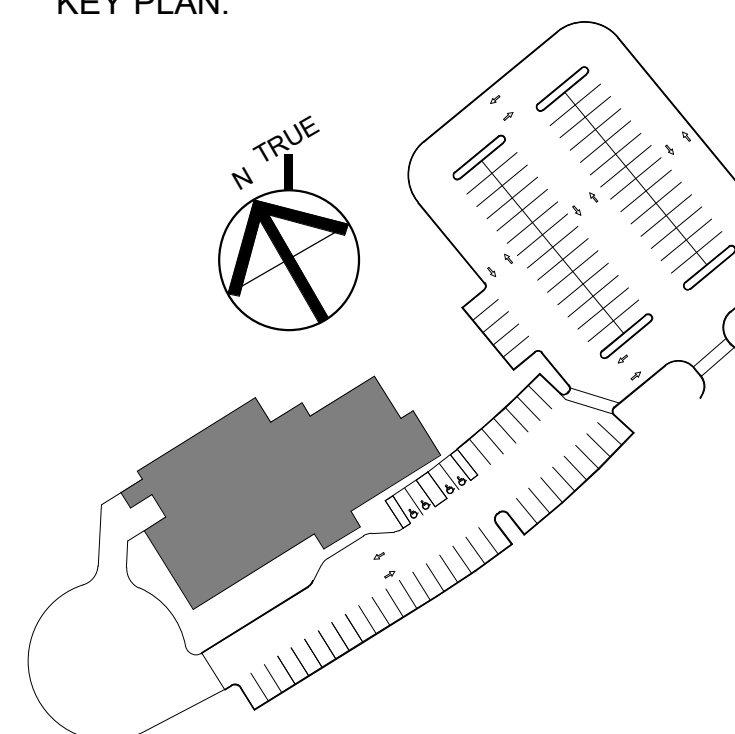
ARCHITECTURE ■ BOSTON  
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FAX. 617.723.9113  
INTERIOR DESIGN ■ BOSTON  
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1 OVERALL ROOF PLAN  
3/16" = 1'-0"

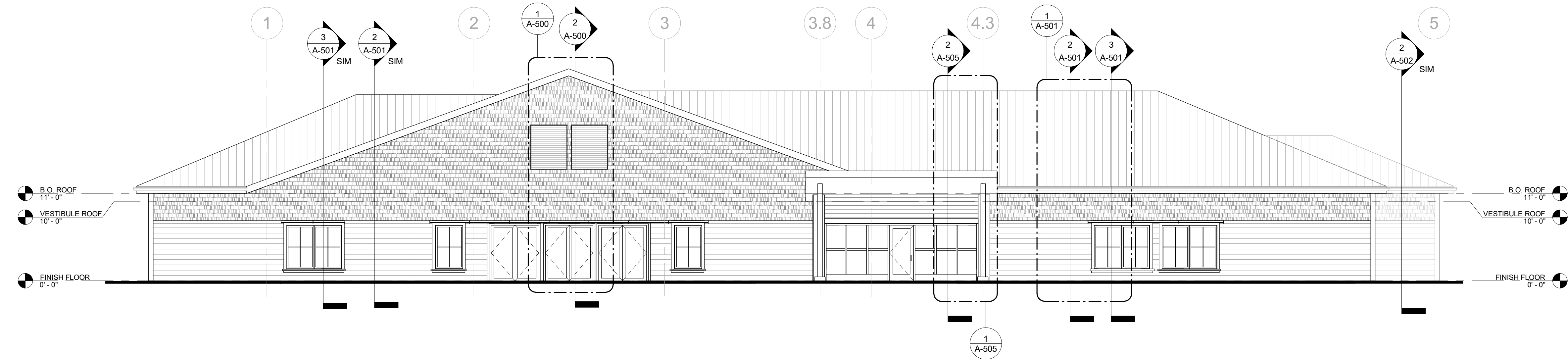
DRAWING TITLE:  
OVERALL ROOF PLAN

DRAWN BY: MK	SEAL:
CHECKED BY: TA	
SCALE: 3/16" = 1'-0"	
PROJECT NO.:	
21-125-2125.04	

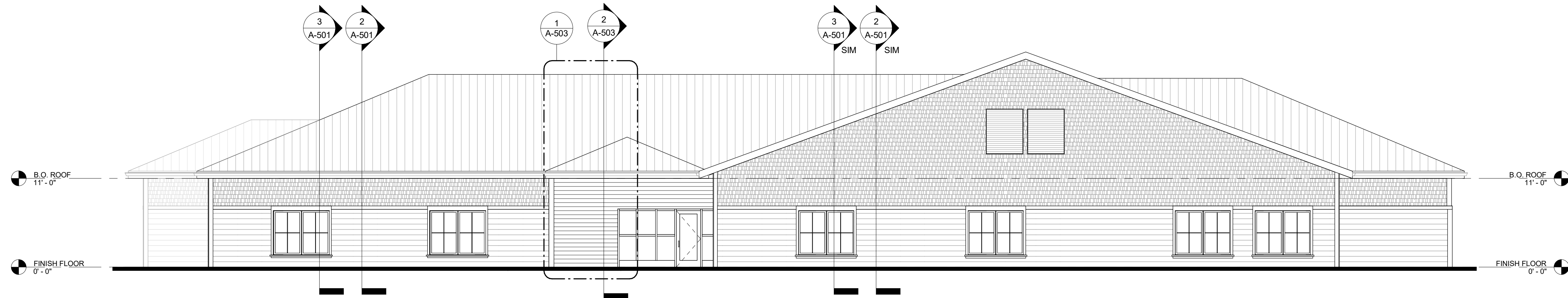
DRAWING NO.:

**A-310**

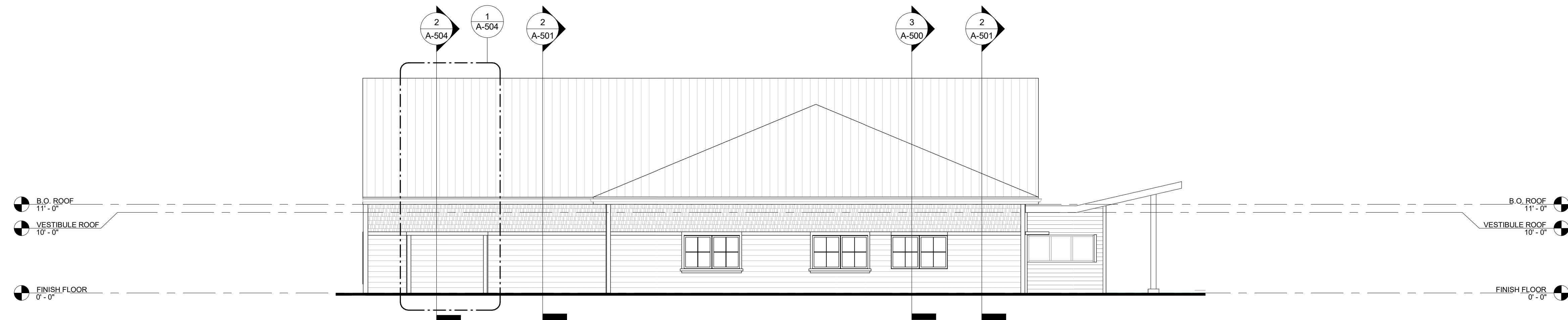
EXTERIOR MATERIAL SCHEDULE				
TYPE	MANUFACTURER	MODEL	COLOR	COMMENTS



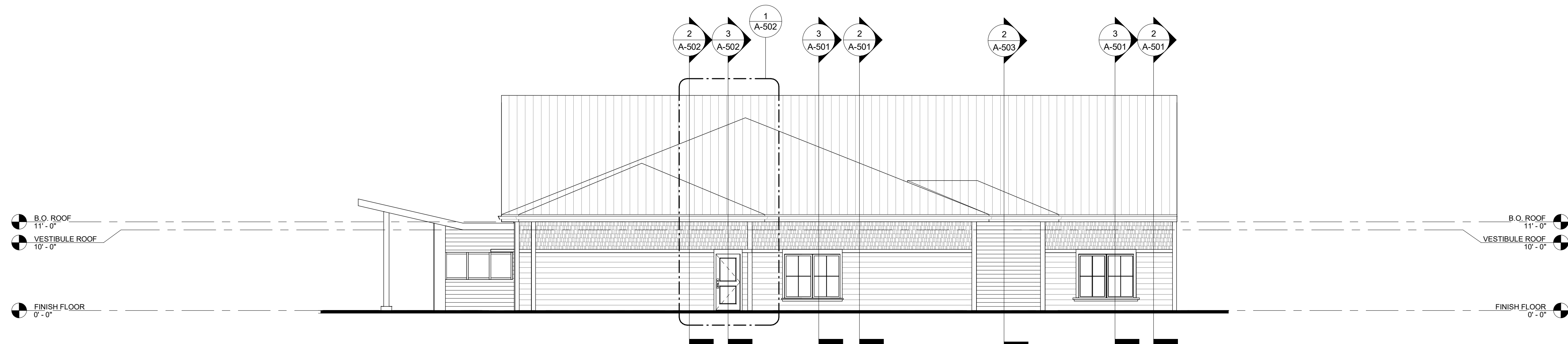
① SOUTH BUILDING ELEVATION  
1/8" = 1'-0"



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



④ WEST BUILDING ELEVATION  
1/8" = 1'-0"



② EAST BUILDING ELEVATION  
1/8" = 1'-0"



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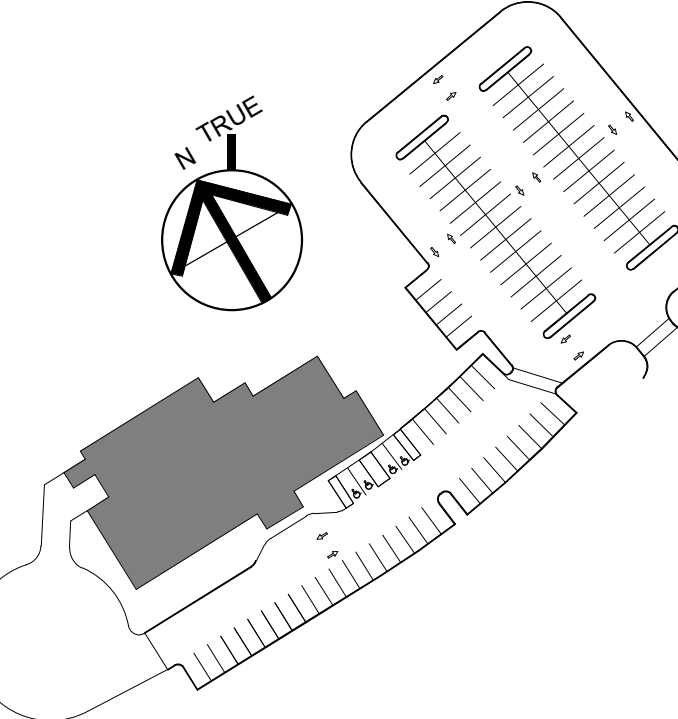
INTERIOR DESIGN  
ENGINEERING ■ PORTLAND  
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KEY PLAN:



DRAWING TITLE:  
EXTERIOR ELEVATIONS

DRAWN BY: MK	SEAL:
CHECKED BY: TA	
SCALE: 1/8" = 1'-0"	
PROJECT NO.: 21-125-2125.04	
DRAWING NO.:	

**A-400**

PROJECT LOCATION:  
800 Mill Street in Wayland On Call TAXI ORDER #4Wayland On 08-24-22 v1  
DATE & TIME PRINTED: 11/23/2022 2:56:14 PM



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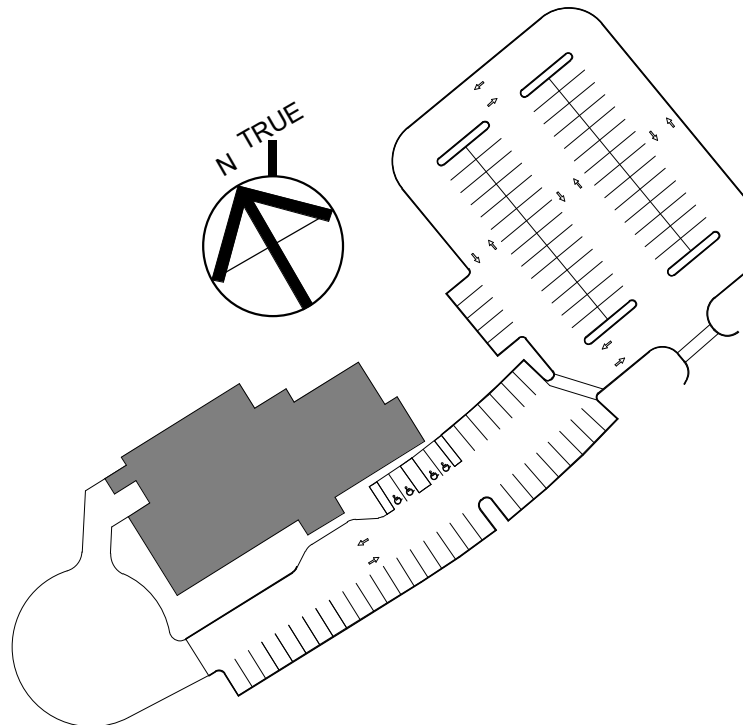
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ISSUE/REVISION:

NO.	DATE	DESCRIPTION
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C	11/23/2022	95% CD SET

KEY PLAN:

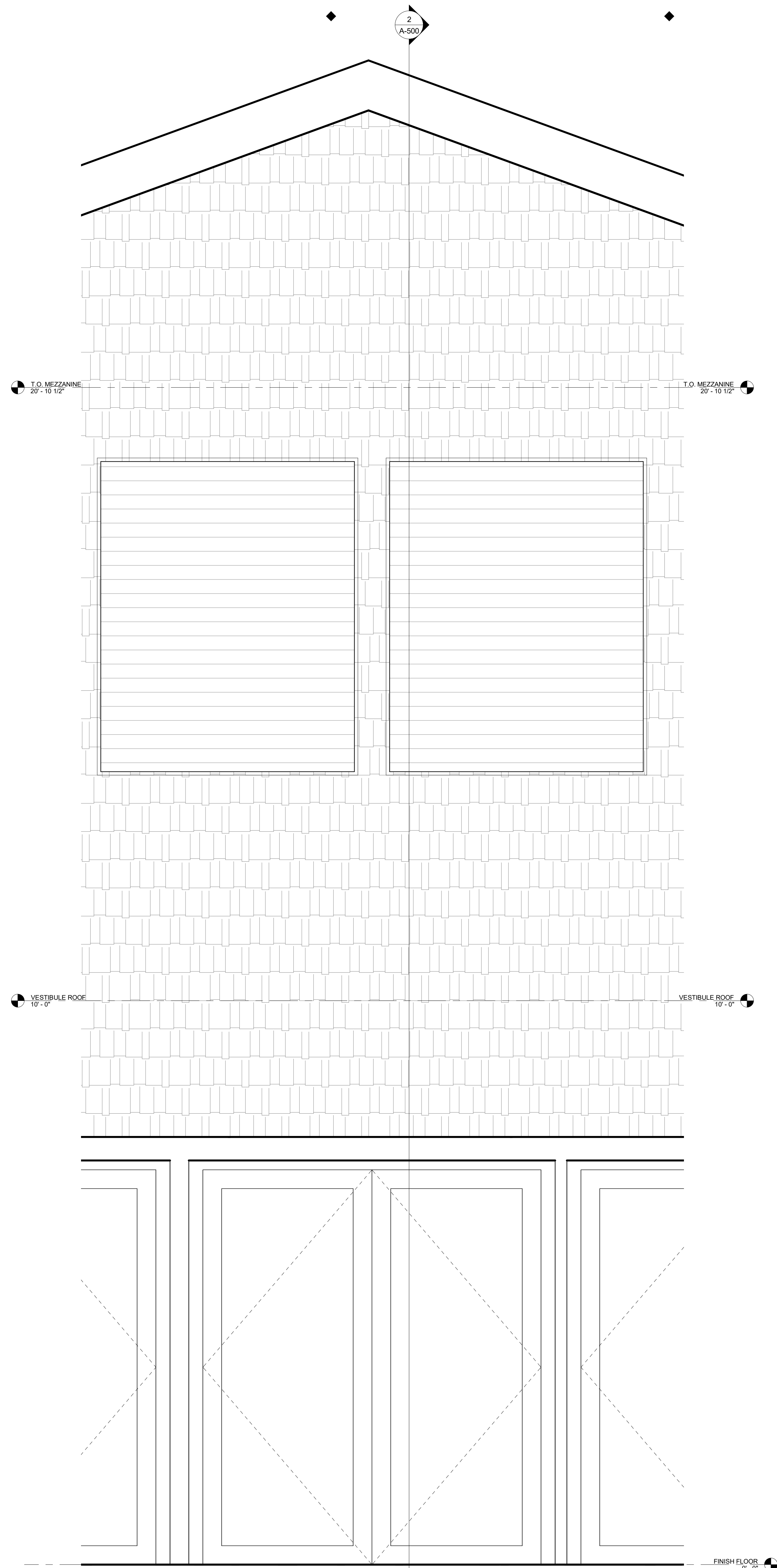


DRAWING TITLE:  
BUILDING SECTIONS

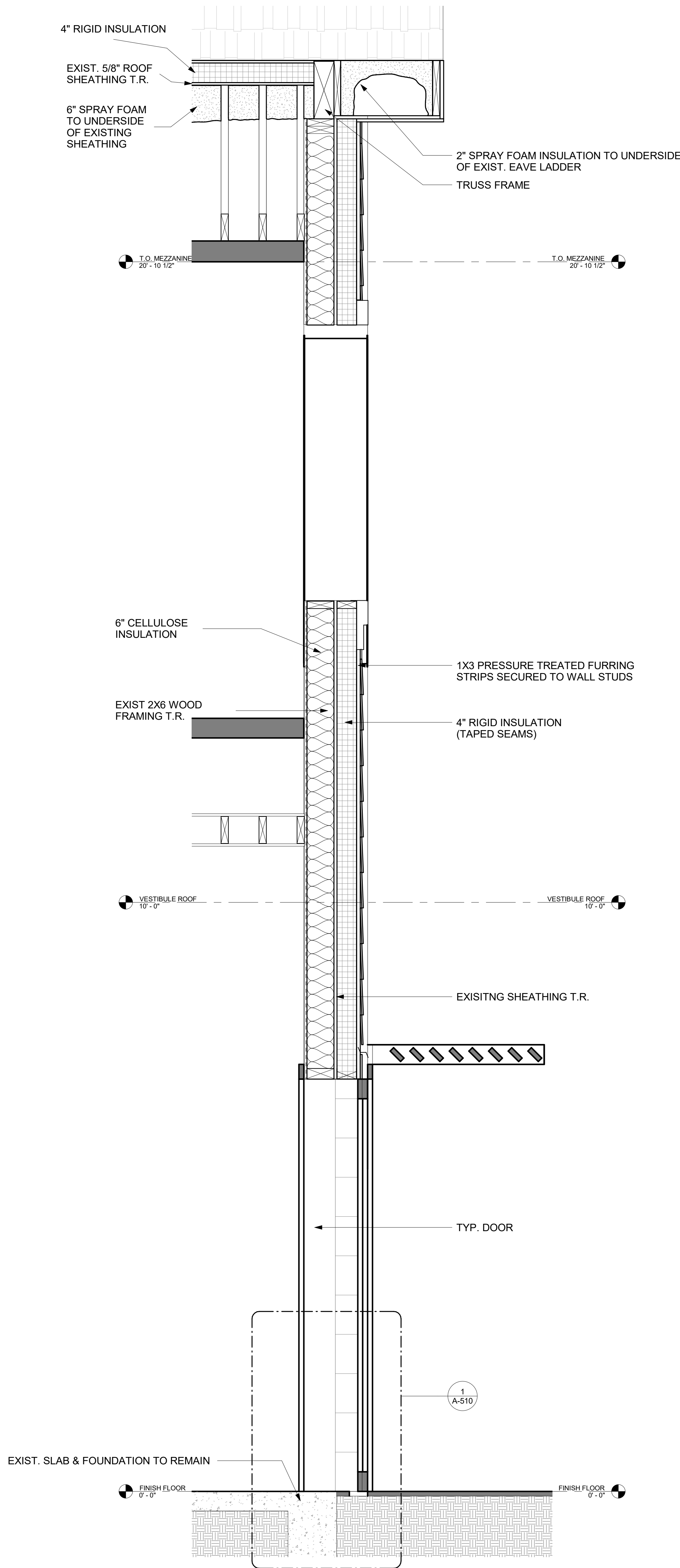
DRAWN BY: CF	SEAL:
CHECKED BY: TA	
SCALE: 1" = 1'-0"	
PROJECT NO.: 21-125-2125.04	
DRAWING NO.:	

**A-500**

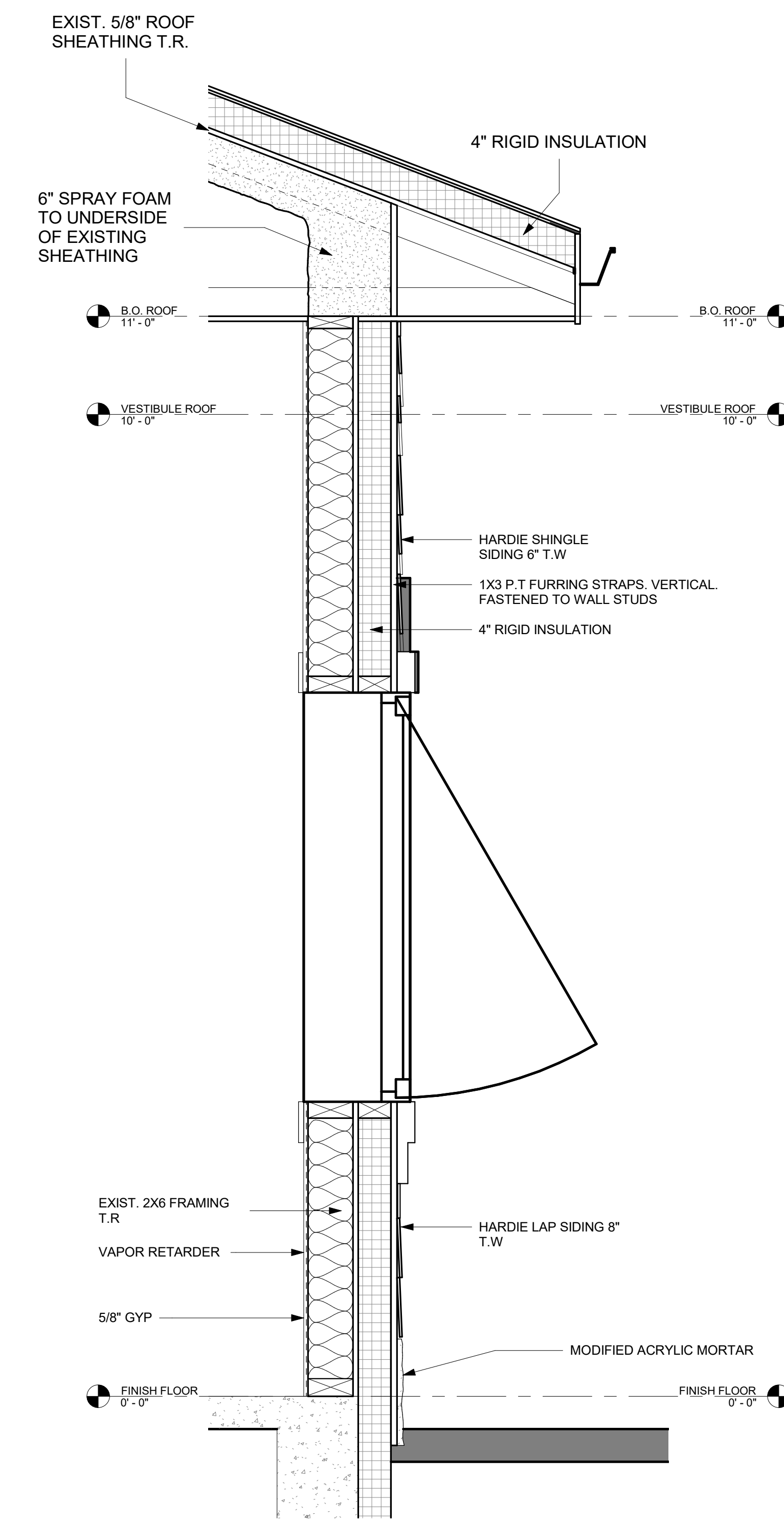
PROJECT LOCATION:  
818 361/7th St W Wayland On Call TAXI ORDER #4/Wayland On 08-24-22 v1  
DATE & TIME PRINTED: 11/23/2022 2:56:15 PM



1 ENLARGED BUILDING ELEVATION (1)  
1" = 1'-0"



2 ENLARGED BUILDING SECTION (1)  
1" = 1'-0"



3 ENLARGED BUILDING SECTION (2)  
1" = 1'-0"



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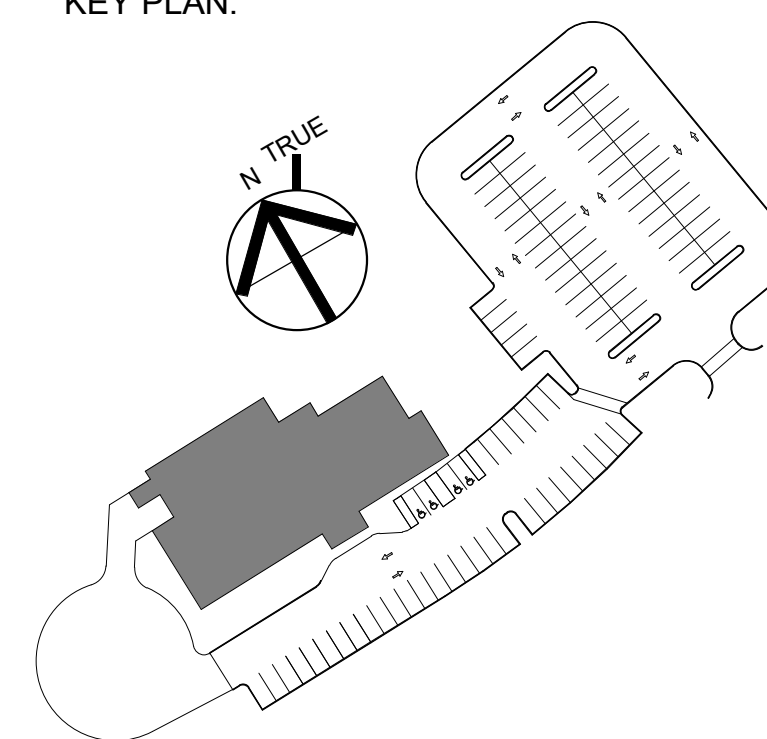
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BOSTON, MA 02129  
TEL. 617.723.7100  
FAX. 617.723.9113  
PLANNING  
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CONSULTANT:

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A	09/19/2022	100% DD SET
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C	11/23/2022	95% CD SET

KEY PLAN:

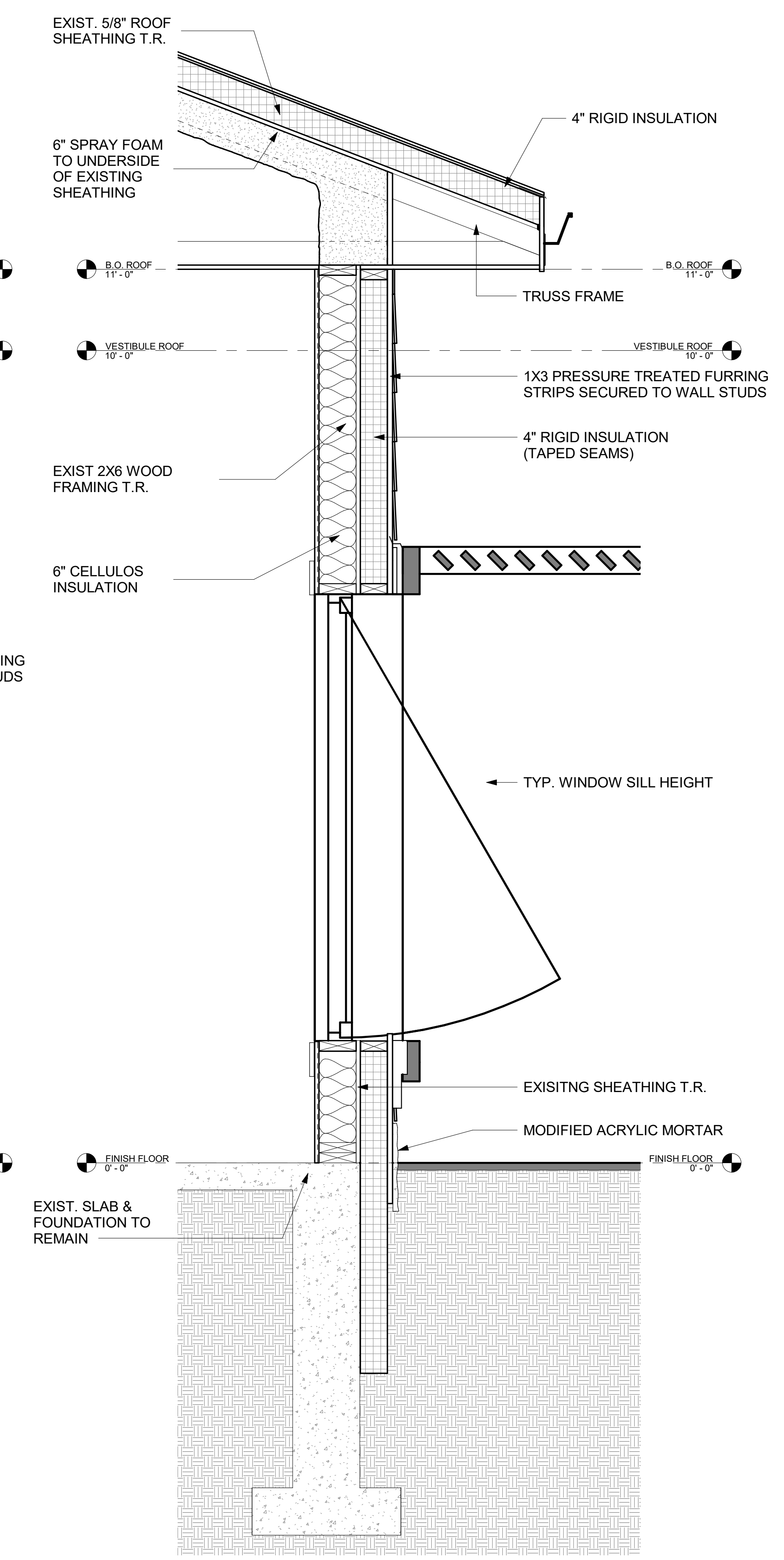
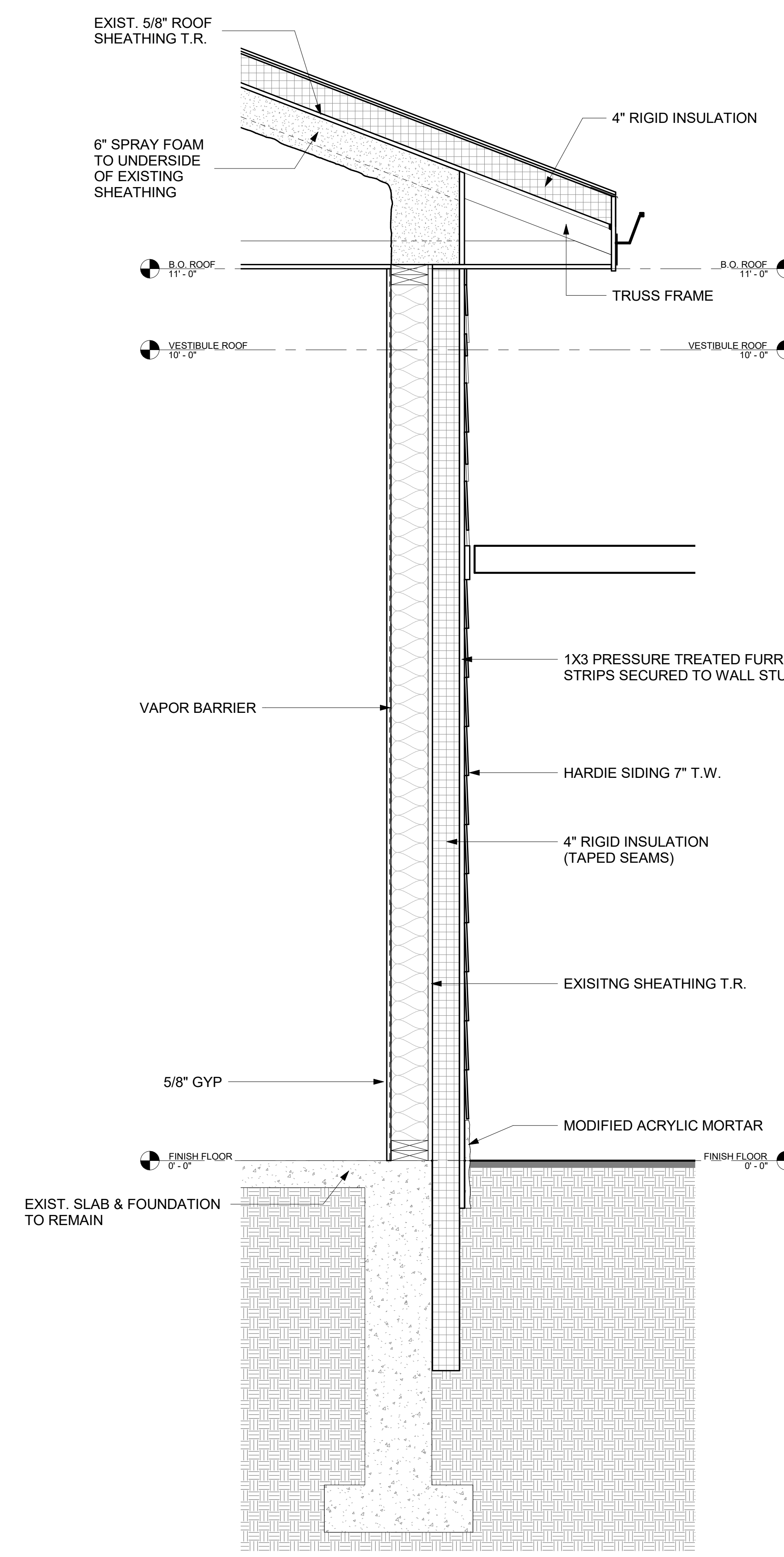
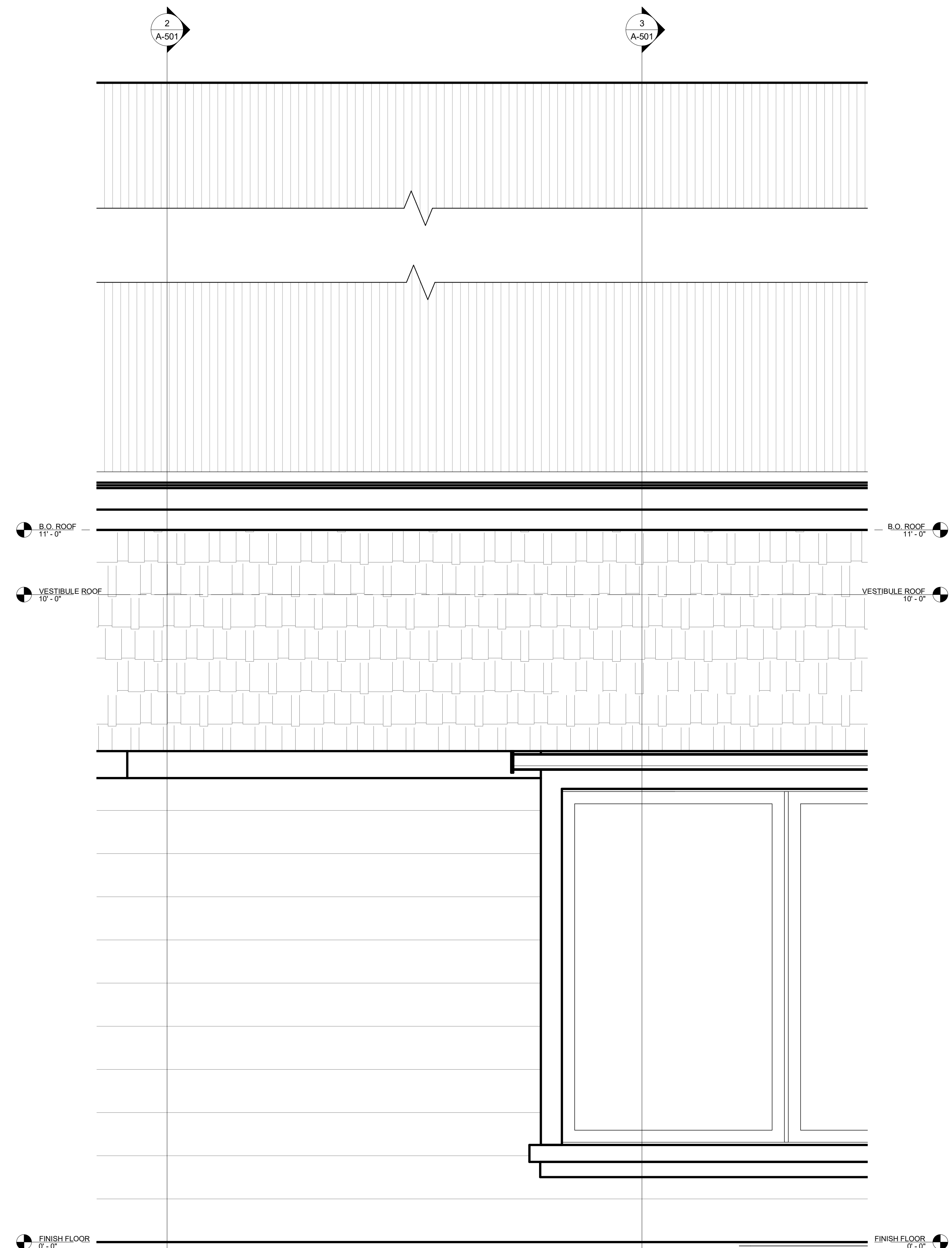


DRAWING TITLE:  
**BUILDING SECTIONS**

DRAWN BY: CF	SEAL:
CHECKED BY: TA	
SCALE: 1" = 1'-0"	
PROJECT NO.: 21-125-2125.04	
DRAWING NO.:	

**A-501**

PROJECT LOCATION:  
800 100/7th Ave of Wayland On Call TAXI ORDER #4/Wayland On 08-24-22 v1  
DATE & TIME PRINTED: 11/23/2022 2:56:16 PM



1 ENLARGED BUILDING ELEVATION (2)  
1" = 1'-0"

2 ENLARGED BUILDING SECTION (3)  
1" = 1'-0"

3 ENLARGED BUILDING SECTION (4)  
1" = 1'-0"





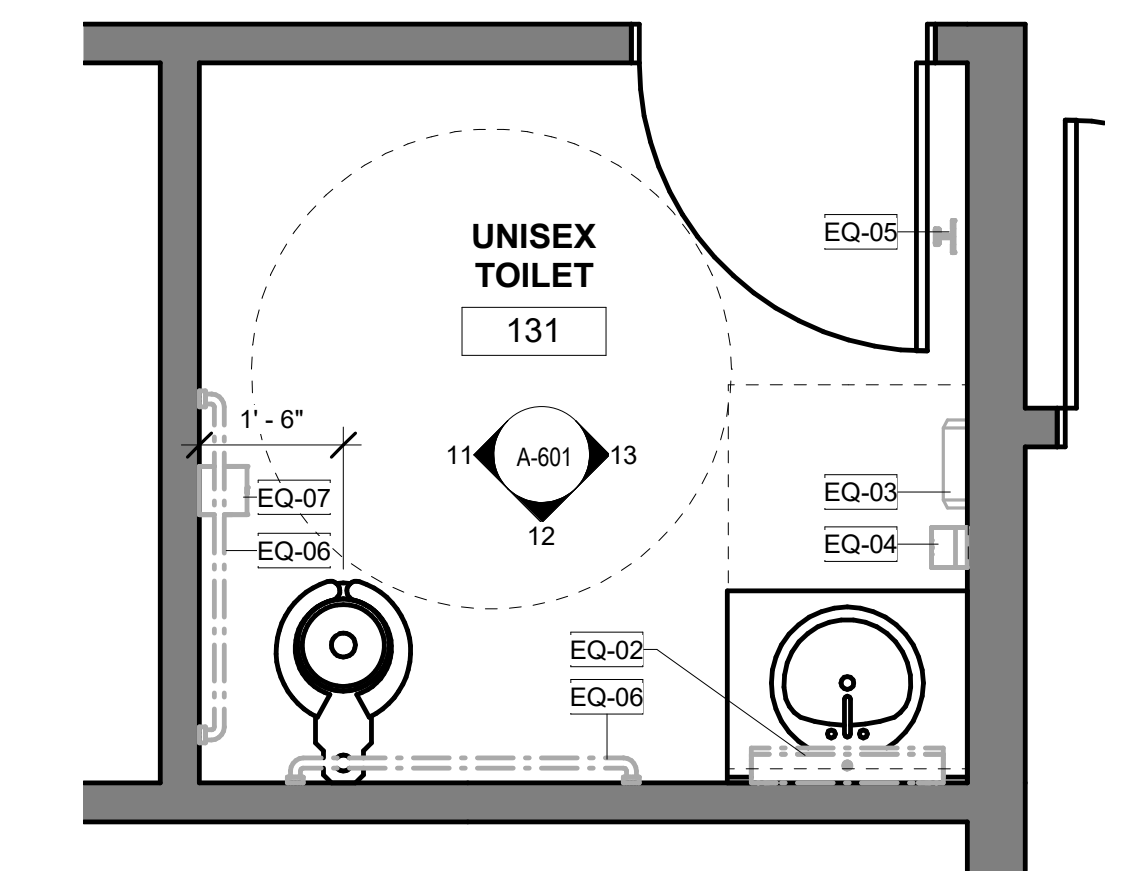
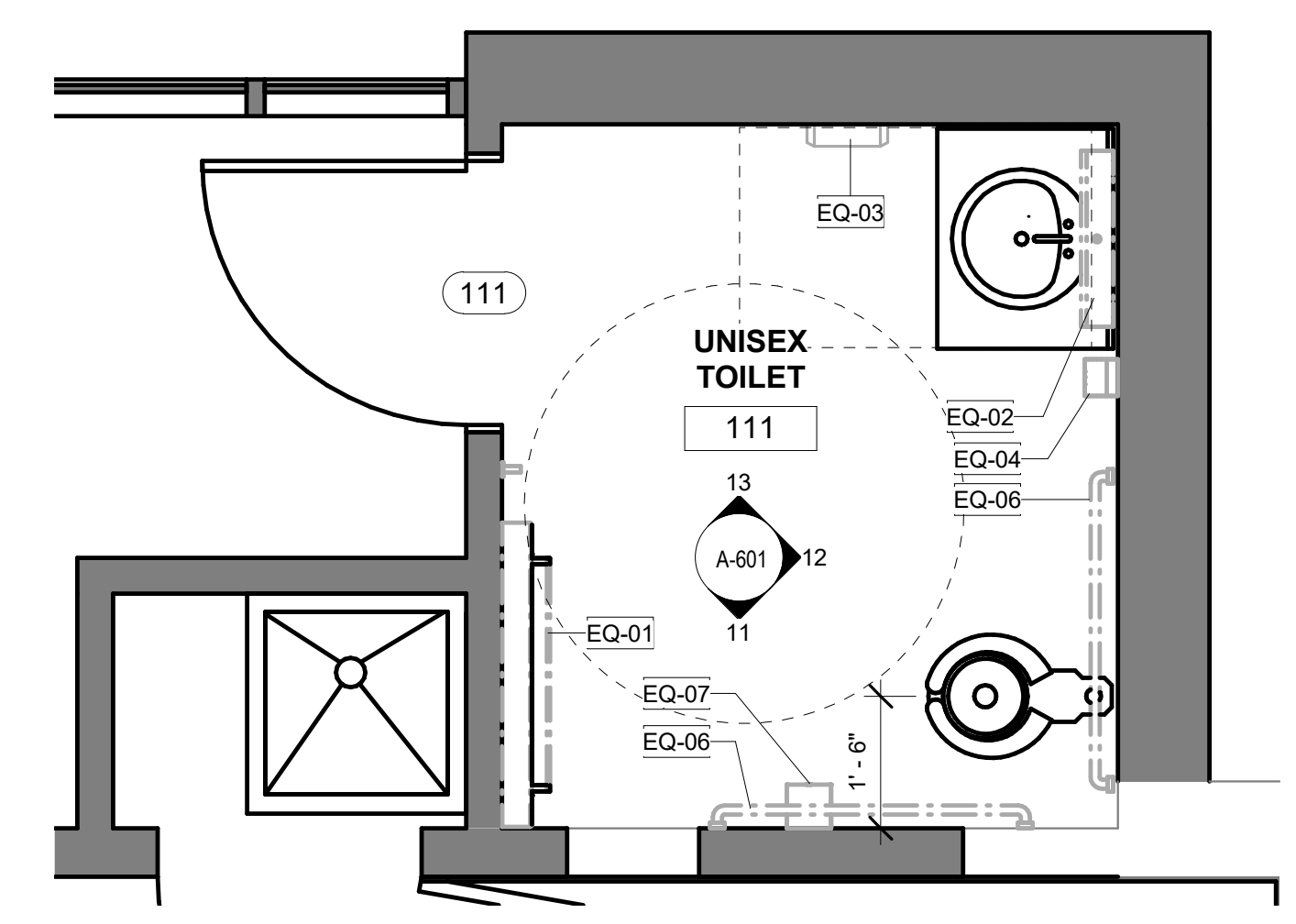
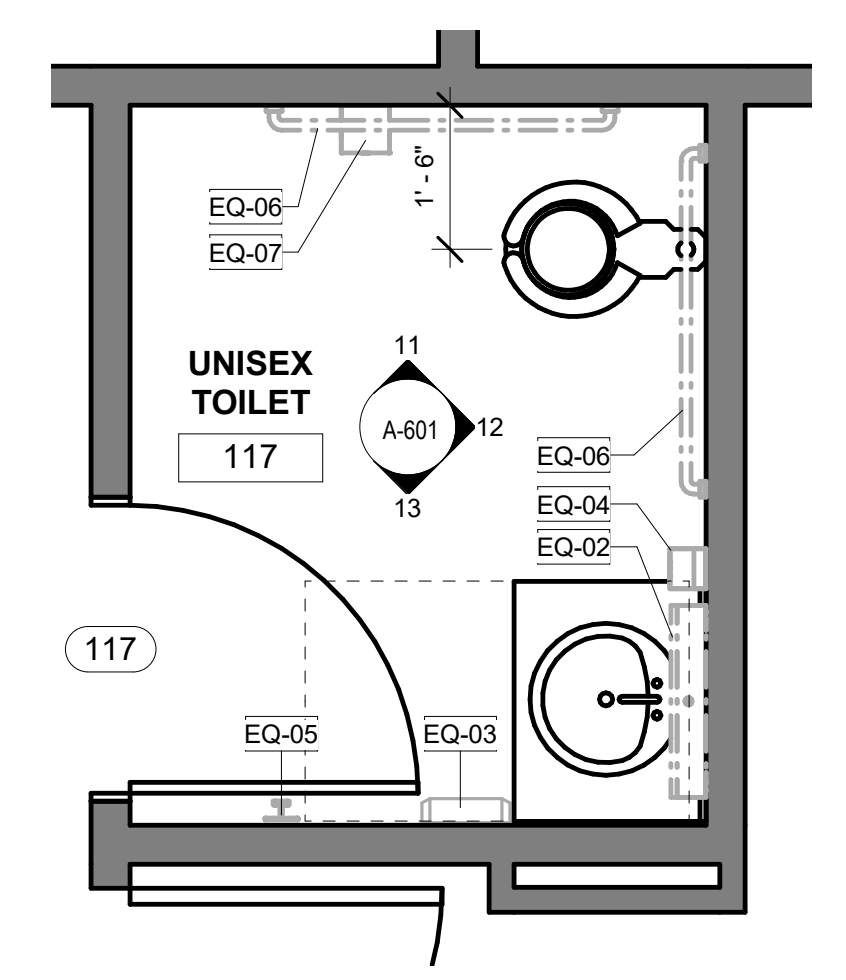
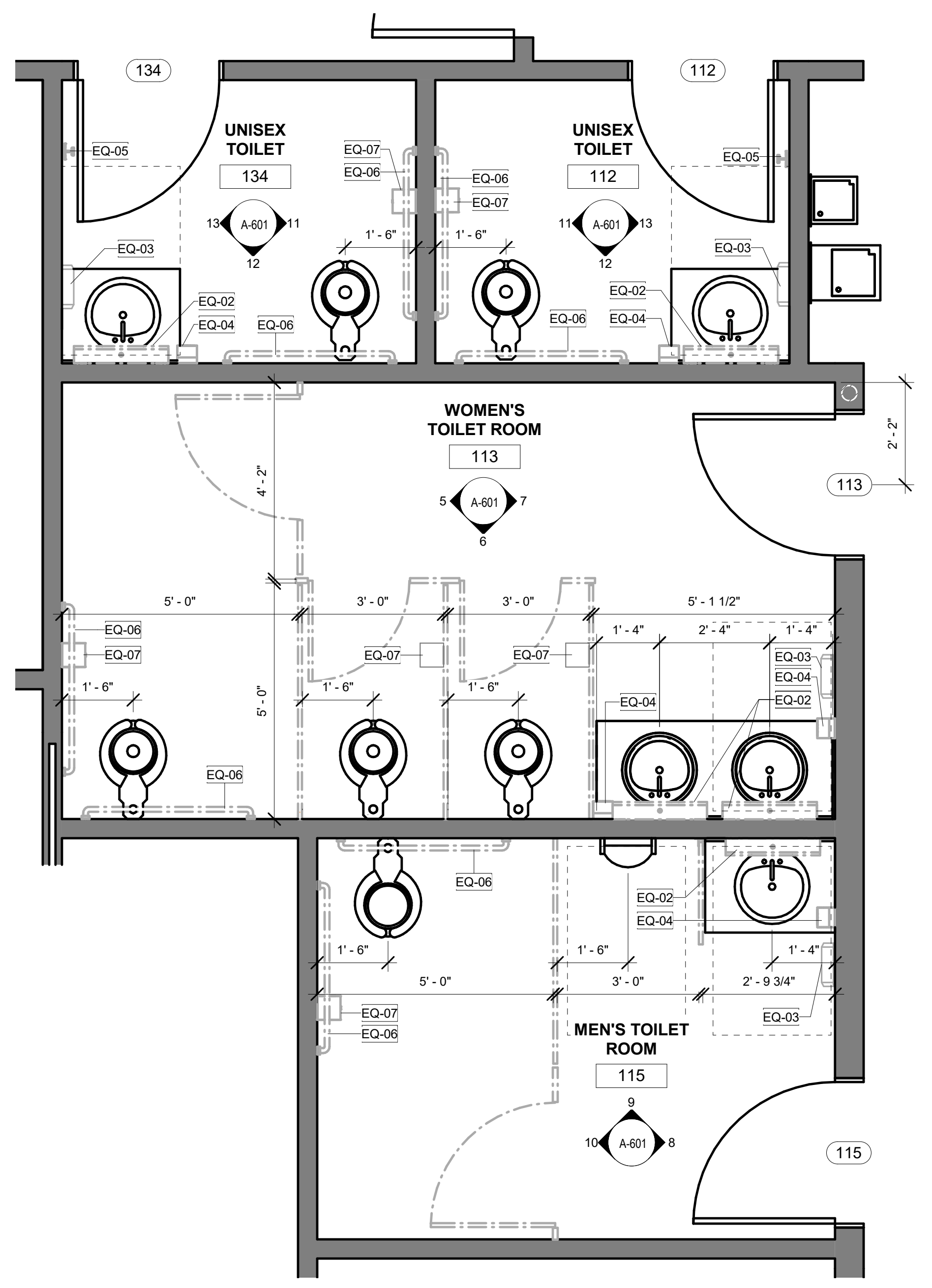
TOWN OF WAYLAND

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COMMUNITY CENTER  
8 ANDREW AVENUE,  
WAYLAND, MA 01778

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ENGINEERING ■ PORTLAND  
500 WASHINGTON AVE  
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FAX. 207.582.8320

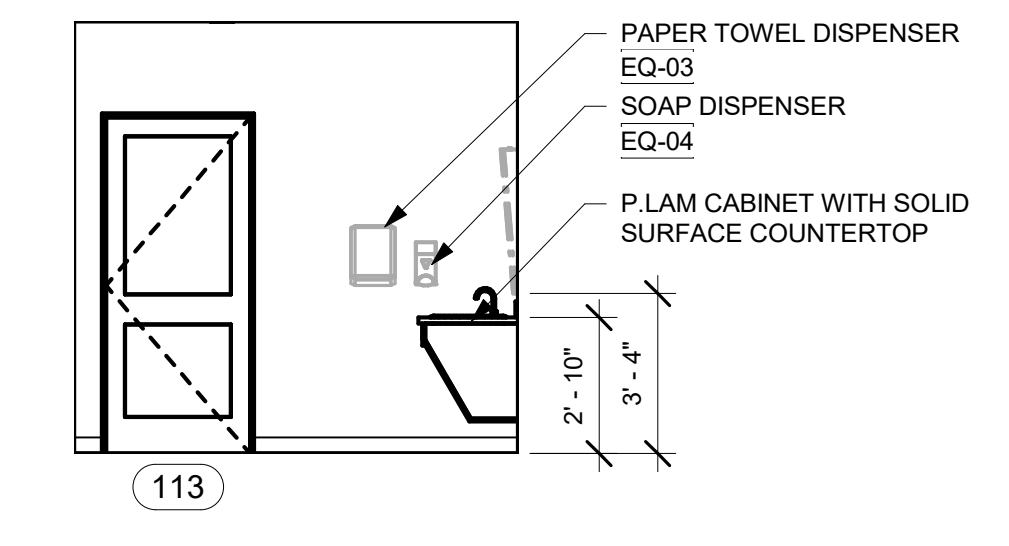
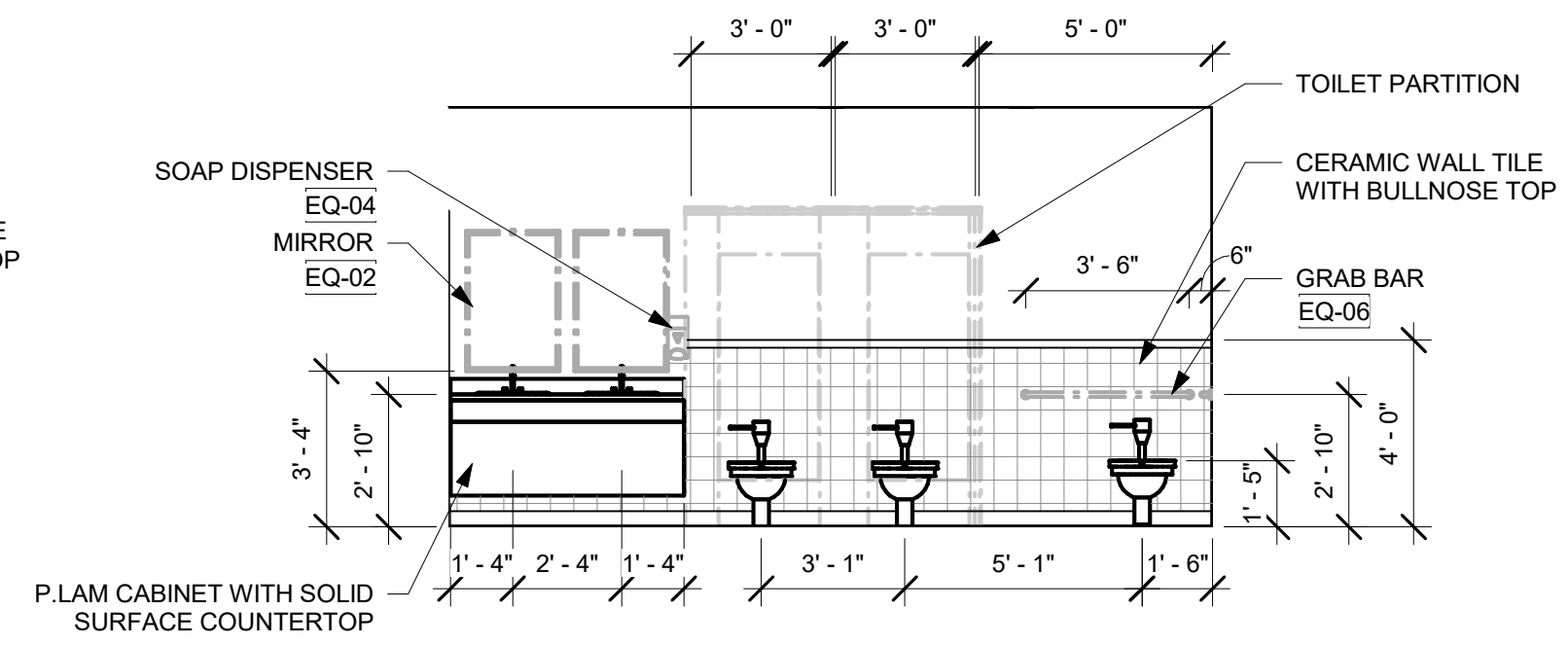
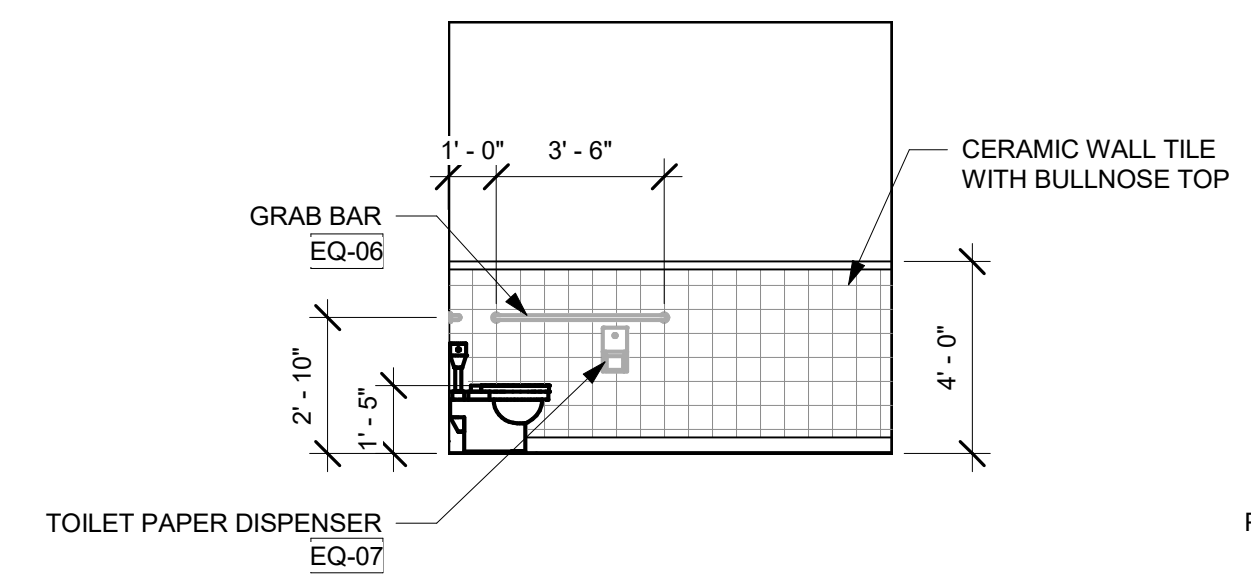
CONSULTANT:



2 ENLARGED UNISEX TOILET #117  
1/2" = 1'-0"

3 ENLARGED UNISEX TOILET #111  
1/2" = 1'-0"

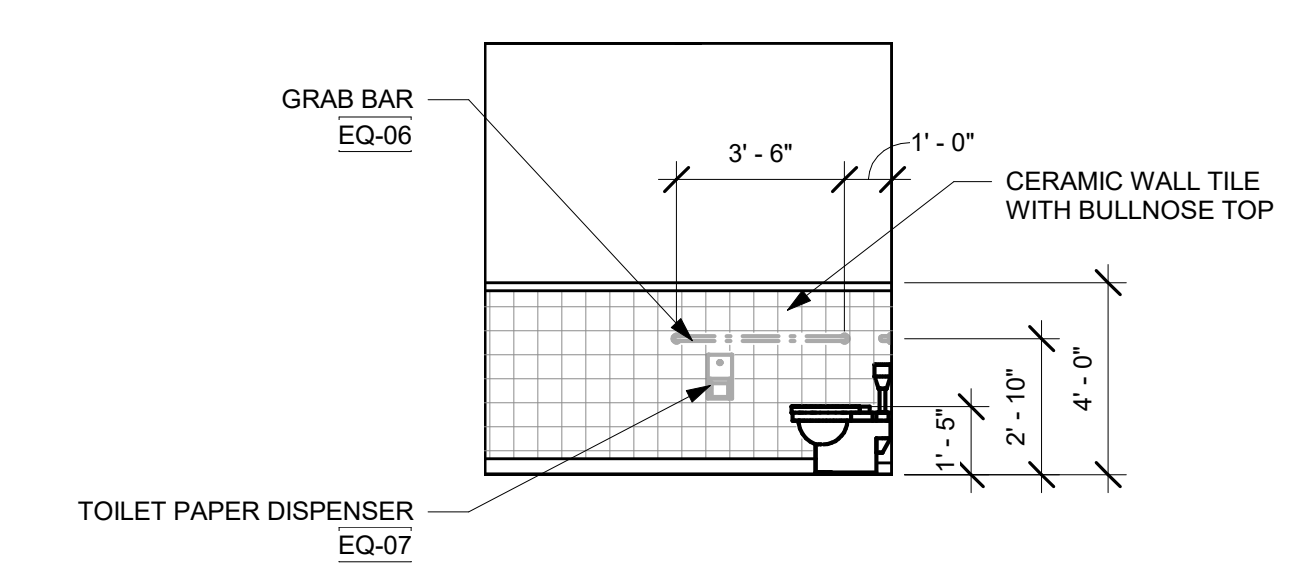
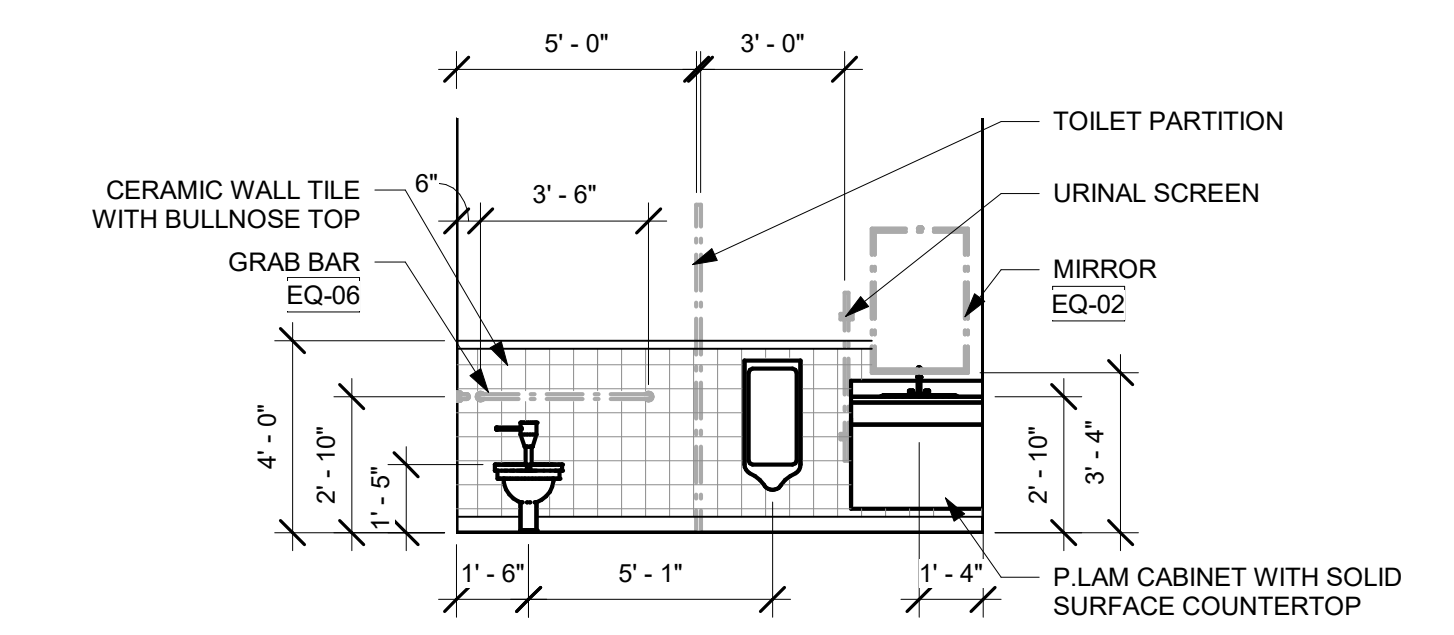
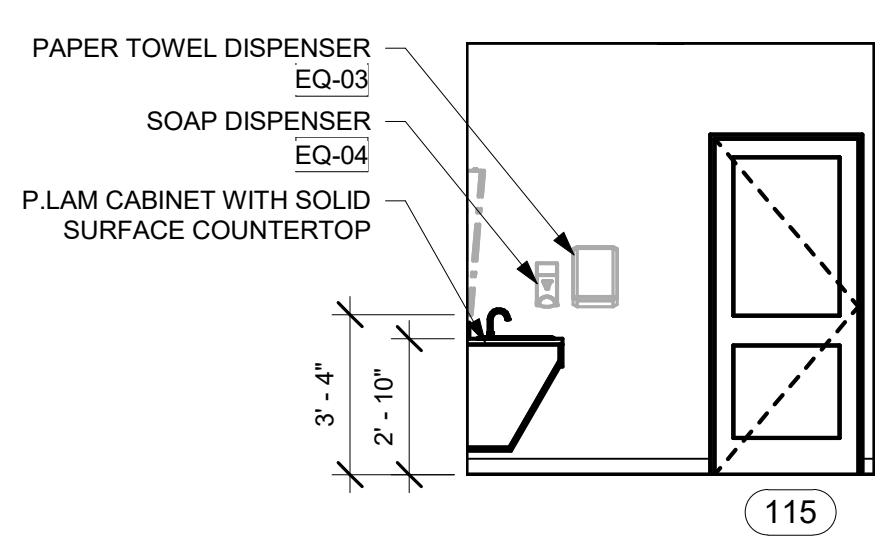
4 ENLARGED UNISEX TOILET #131  
1/2" = 1'-0"



5 WOMENS TOILET ROOM #113 (1)  
1/4" = 1'-0"

6 WOMENS TOILET ROOM #113 (2)  
1/4" = 1'-0"

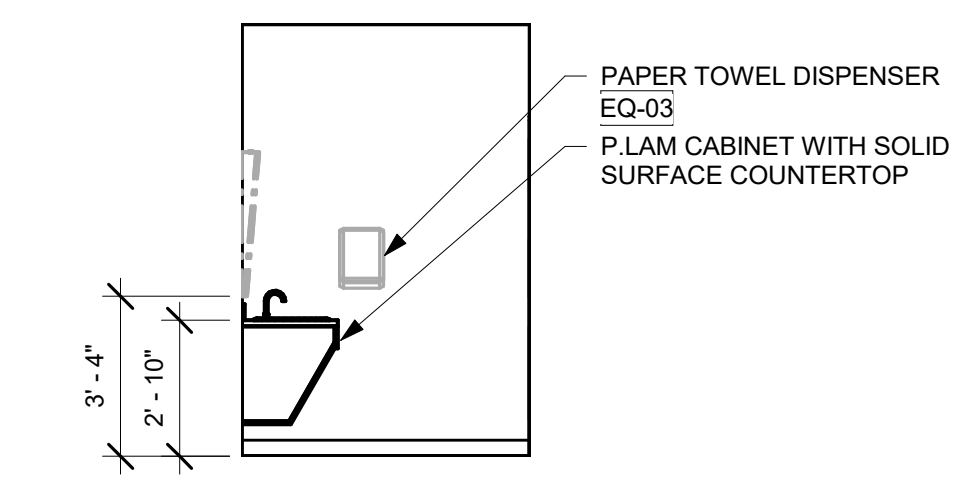
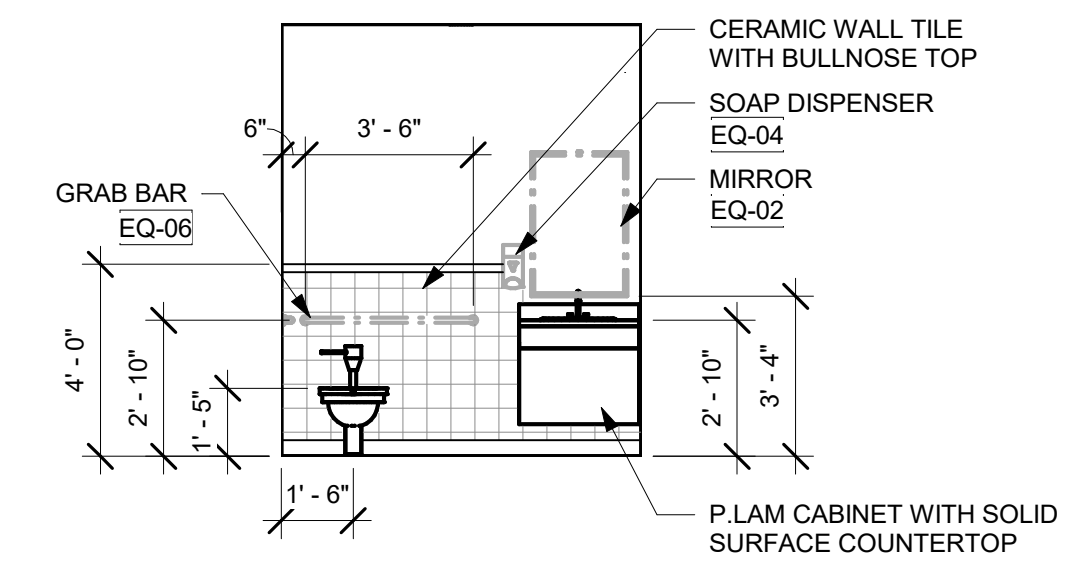
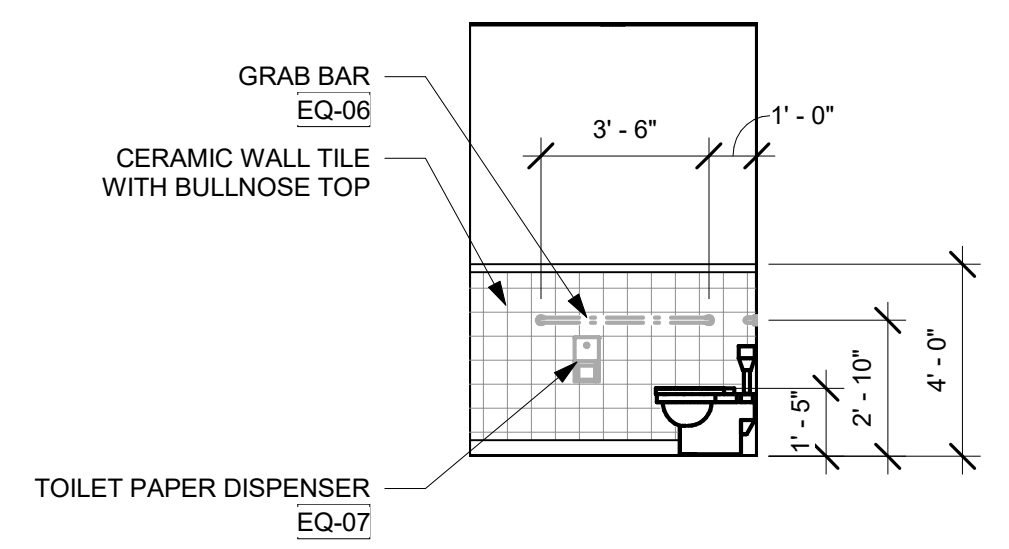
7 WOMENS TOILET ROOM #113 (3)  
1/4" = 1'-0"



8 MENS TOILET ROOM #115 (1)  
1/4" = 1'-0"

9 MENS TOILET ROOM #115 (2)  
1/4" = 1'-0"

10 MENS TOILET ROOM #115 (3)  
1/4" = 1'-0"



11 TYPICAL UNISEX TOILET (1)  
1/4" = 1'-0"  
UNISEX TOILET #111 (OPP/SIM)  
UNISEX TOILET #112 (OPP/SIM)  
UNISEX TOILET #117  
UNISEX TOILET #131 (OPP/SIM)  
UNISEX TOILET #134

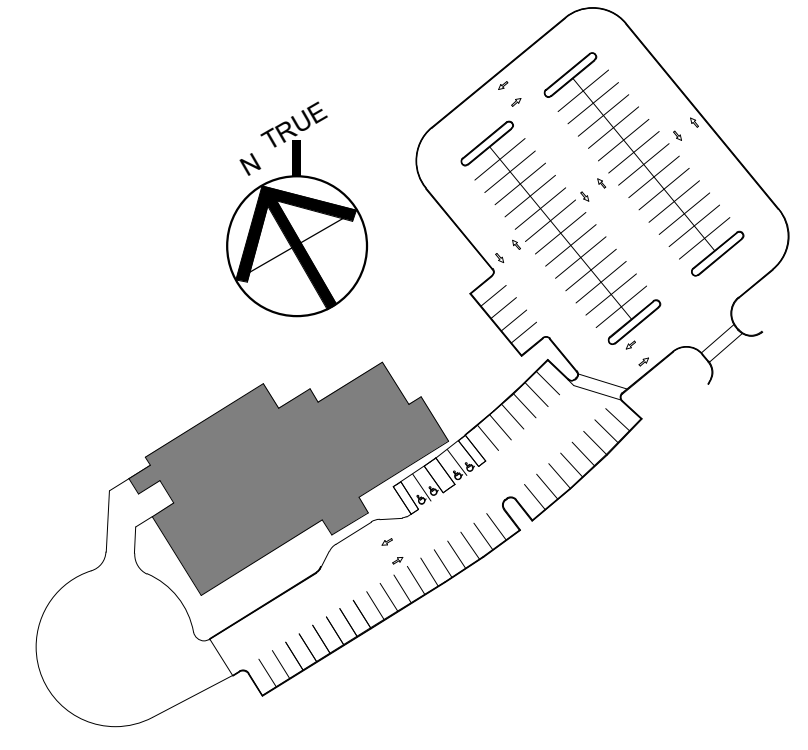
12 TYPICAL UNISEX TOILET (2)  
1/4" = 1'-0"  
UNISEX TOILET #111 (OPP/SIM)  
UNISEX TOILET #112 (OPP/SIM)  
UNISEX TOILET #117  
UNISEX TOILET #131 (OPP/SIM)  
UNISEX TOILET #134

13 TYPICAL UNISEX TOILET (3)  
1/4" = 1'-0"  
UNISEX TOILET #111 (OPP/SIM)  
UNISEX TOILET #112 (OPP/SIM)  
UNISEX TOILET #117  
UNISEX TOILET #131 (OPP/SIM)  
UNISEX TOILET #134

ISSUE/REVISION:

NO.	DATE	DESCRIPTION
A	09/19/2022	100% DD SET
B	10/12/2022	50% CD SET
C	11/23/2022	90% CD SET

KEY PLAN:



DRAWING TITLE:  
TOILET ROOM PLANS AND ELEVATIONS

DRAWN BY: MK	SEAL:
CHECKED BY: TA	
SCALE: As indicated	
PROJECT NO.: 21-125-2125.04	

DRAWING NO.:  
**A-601**



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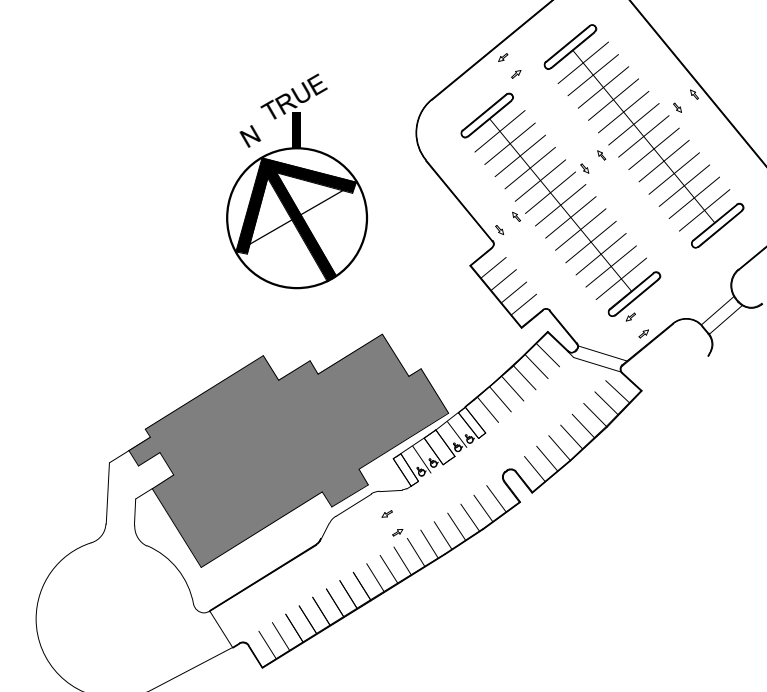
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INCORPORATED  
A LiRo Group Company

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CONSULTANT:

ISSUE/REVISION:		
NO:	DATE:	DESCRIPTION:
B	10/12/2022	50% CD SET
C	11/23/2022	95% CD SET

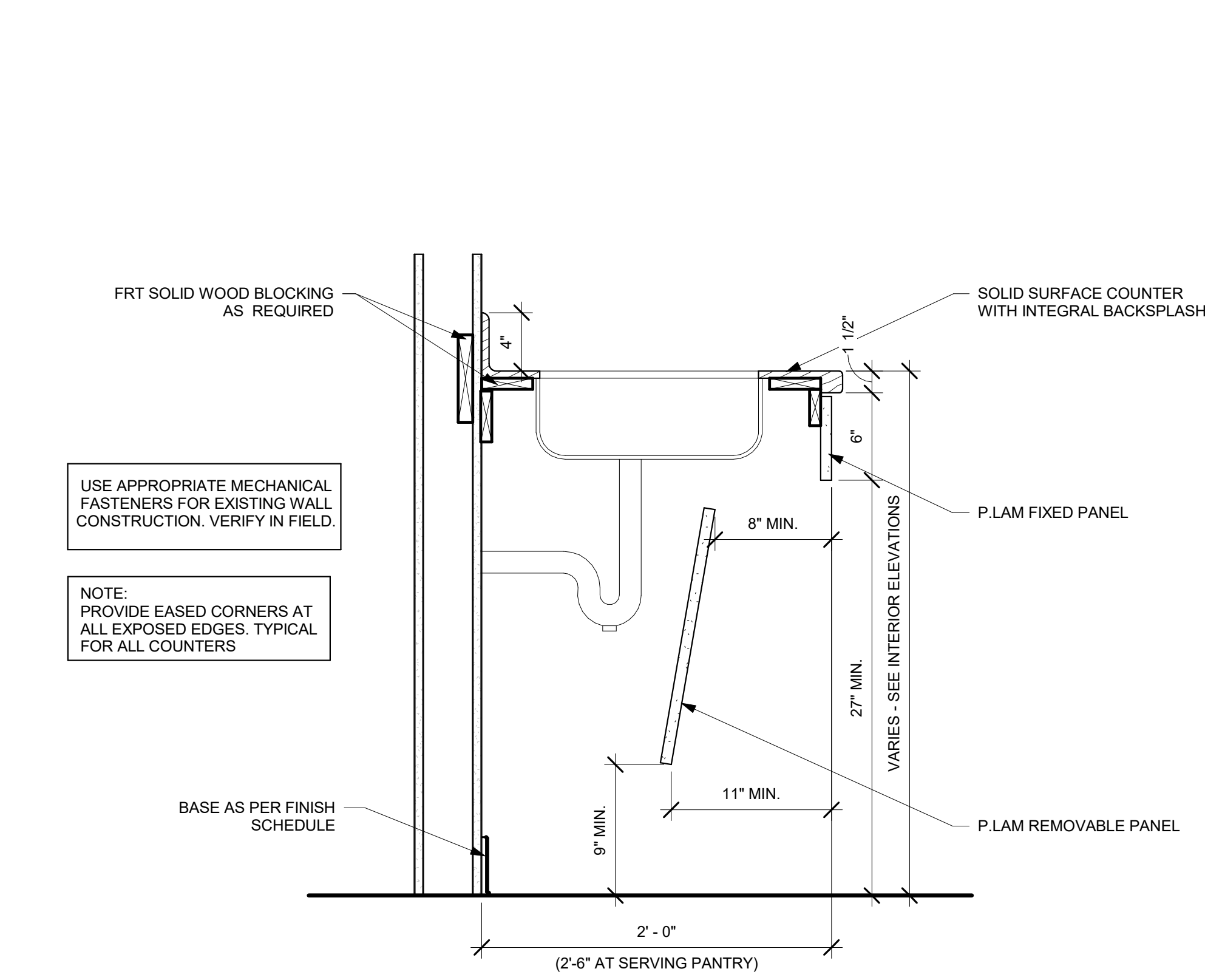
KEY PLAN:



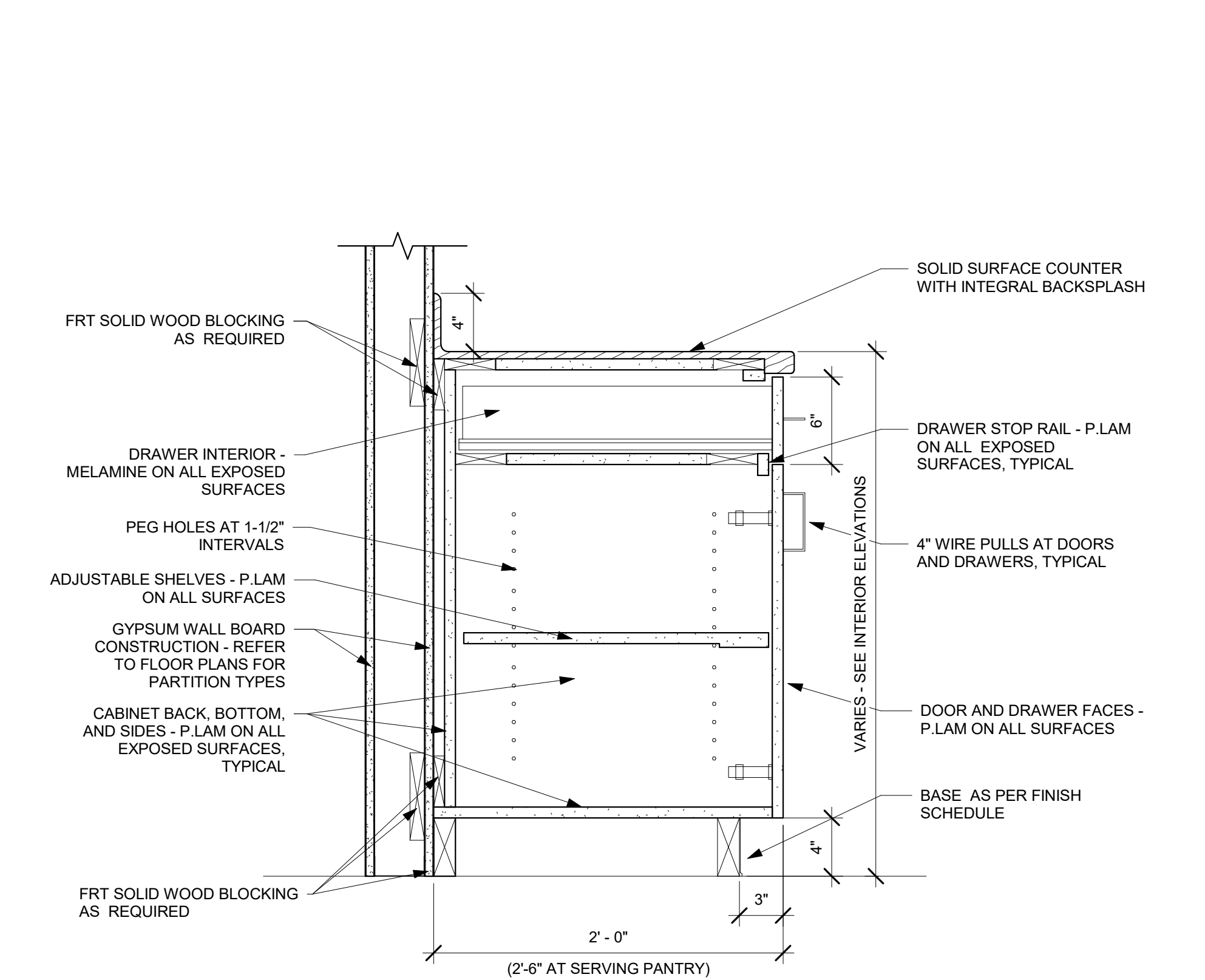
DRAWING TITLE:  
CASEWORK DETAILS

DRAWN BY: MK	SEAL:
CHECKED BY: TA	
SCALE: 1 1/2" = 1'-0"	
PROJECT NO: 21-125-2125.04	
DRAWING NO.:	

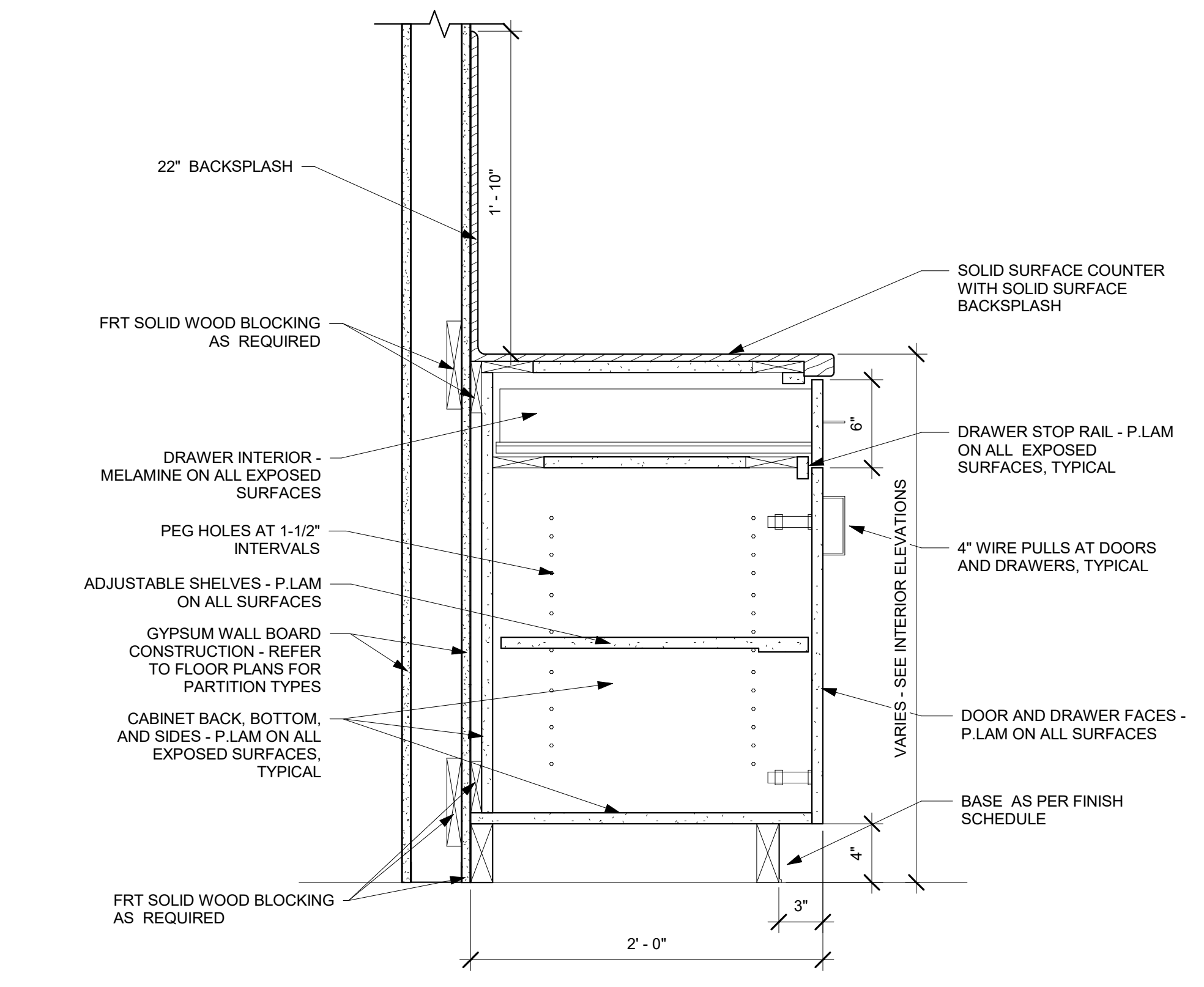
A-610



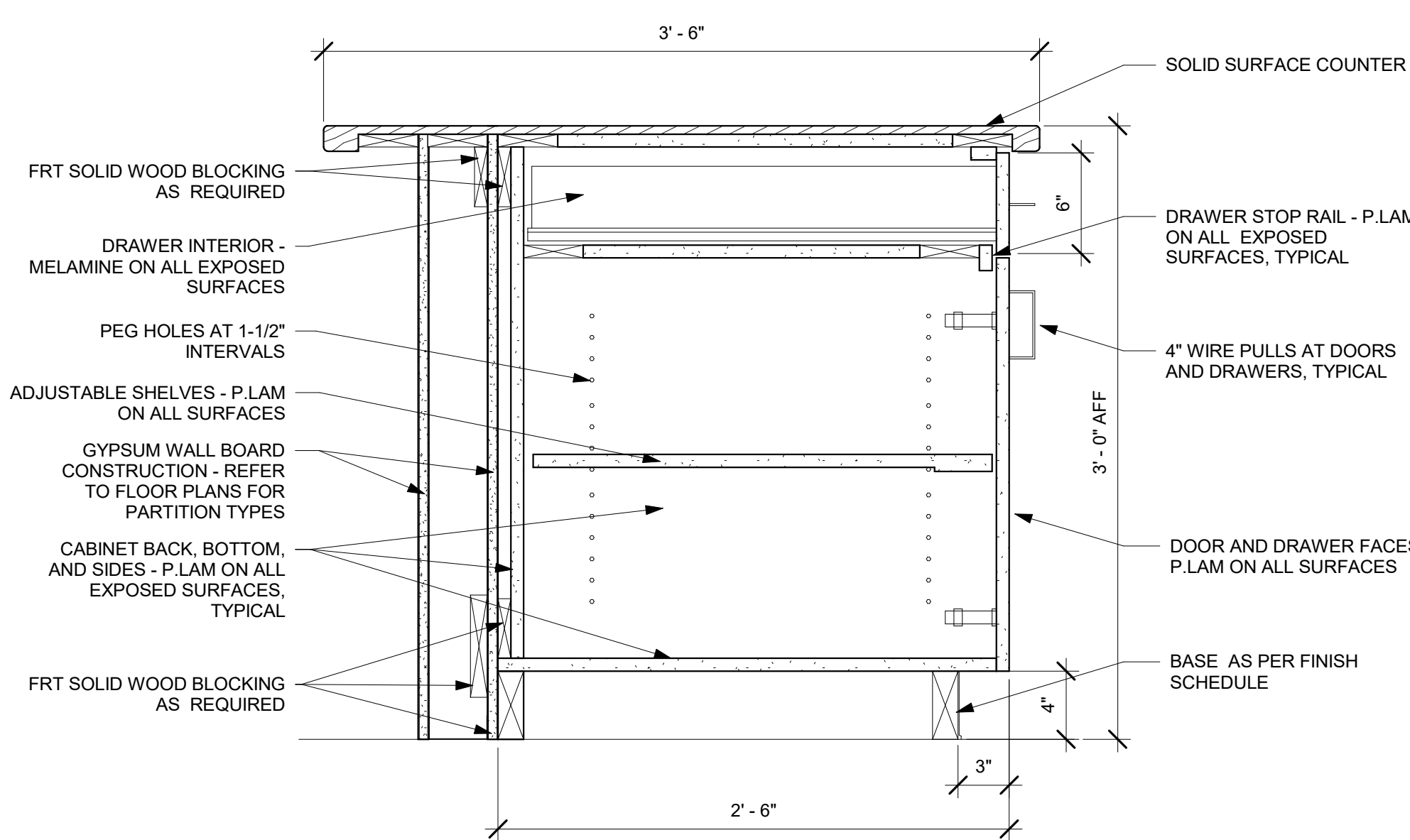
1 SINK BASE - SLOPED  
1 1/2" = 1'-0"



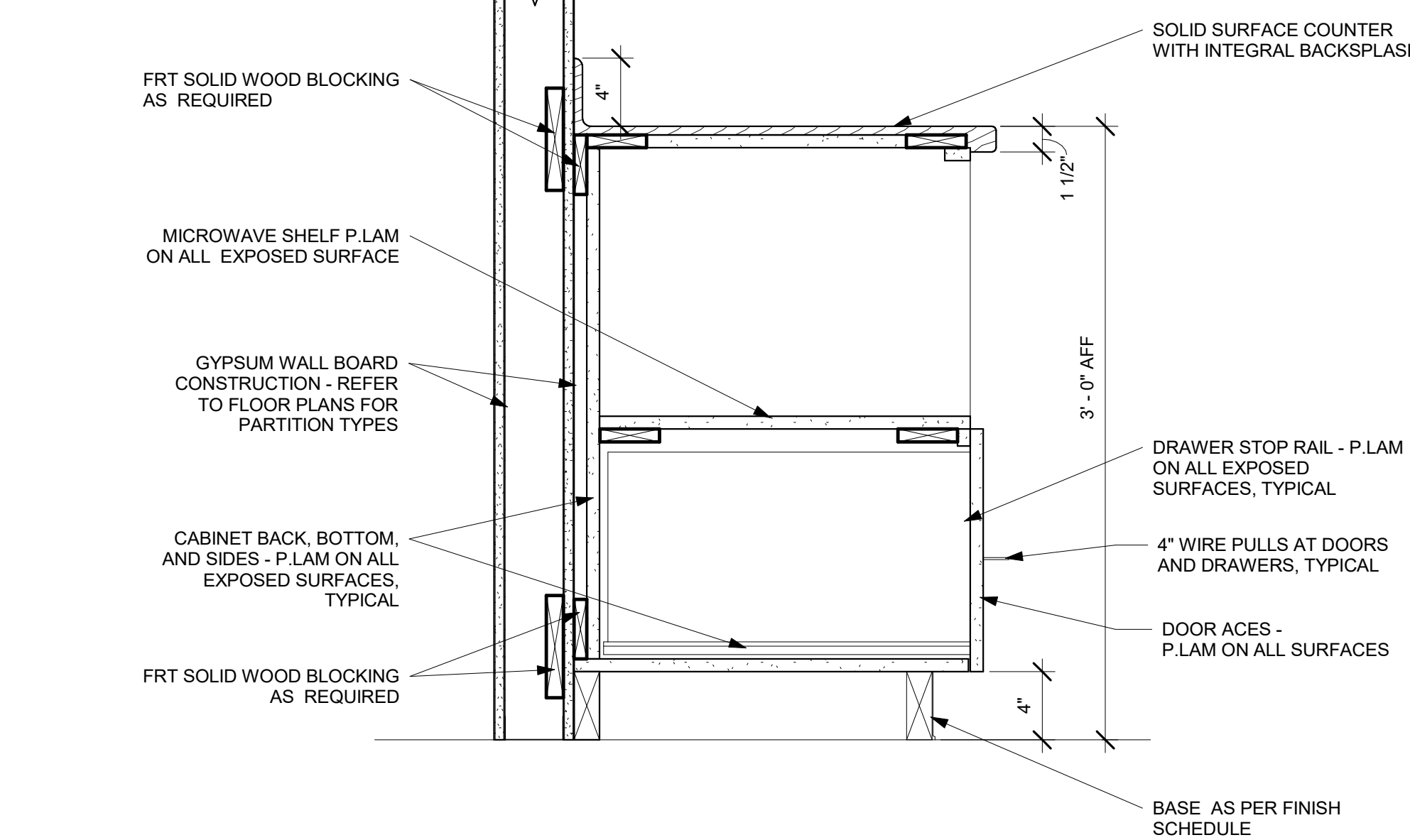
2 BASE CABINET w/ DRAWER AND DOOR  
1 1/2" = 1'-0"



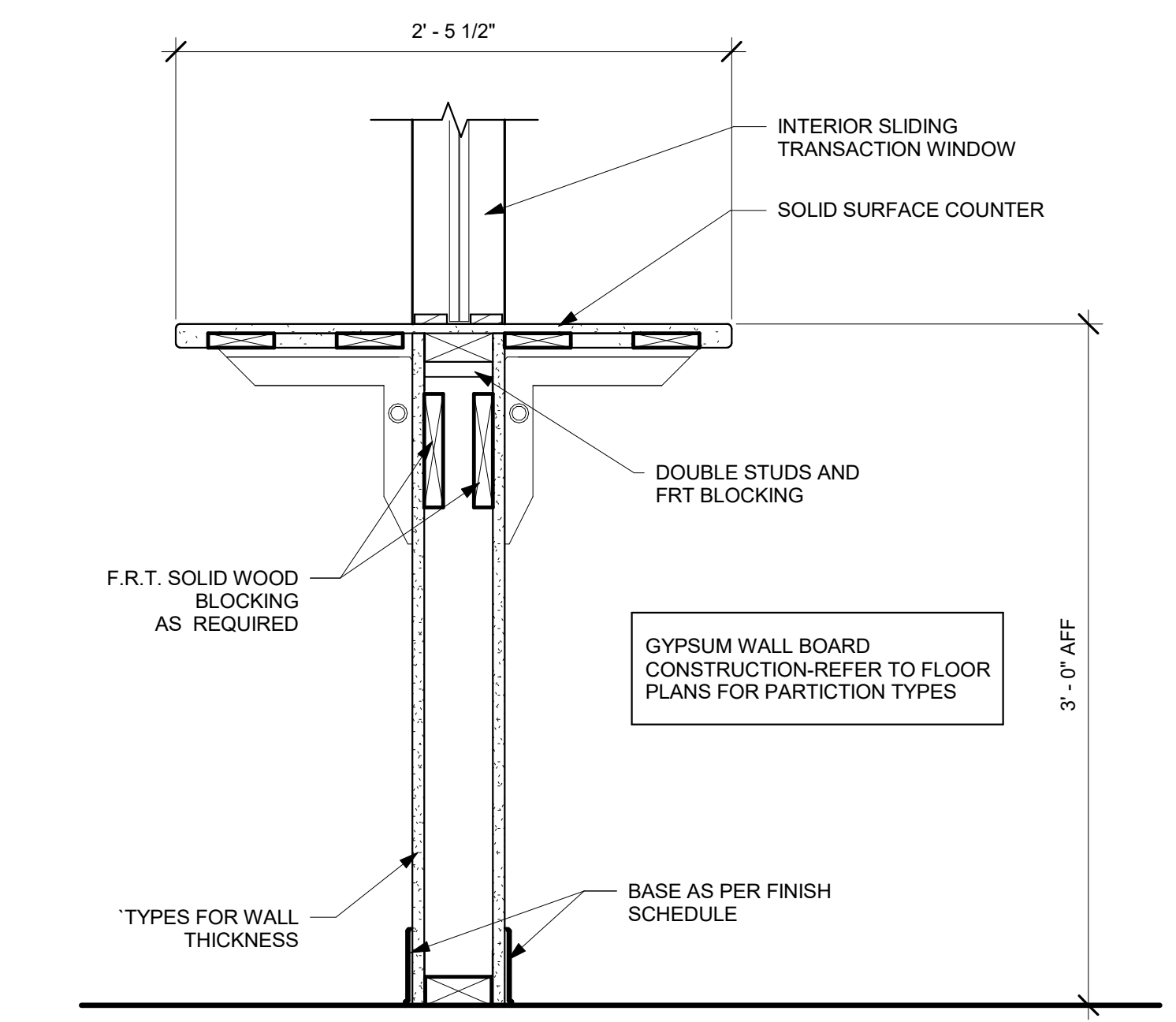
3 BASE CABINET w/ 22" BACKSPLASH  
1 1/2" = 1'-0"



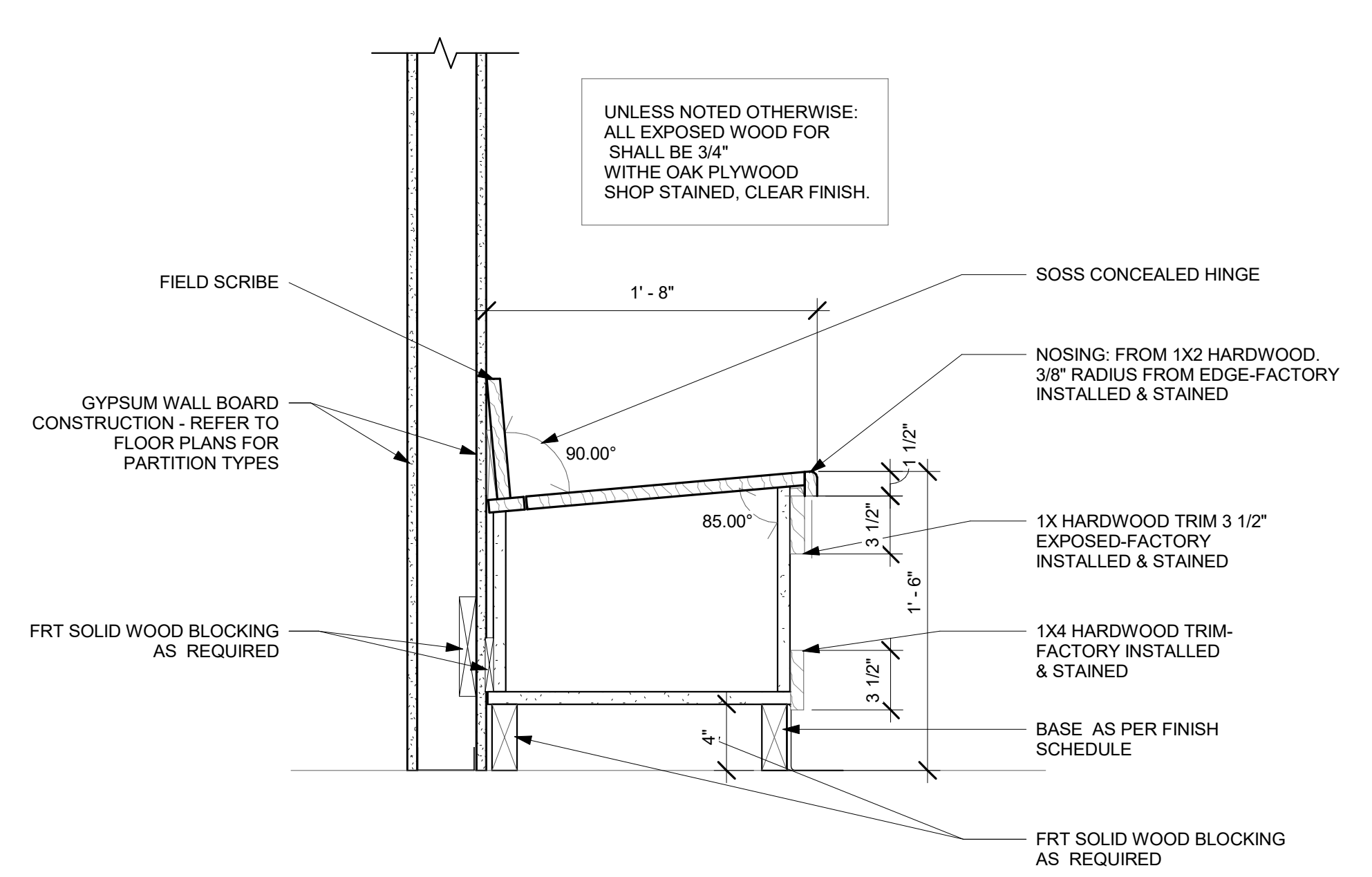
4 SERVING WINDOW BASE CABINET  
1 1/2" = 1'-0"



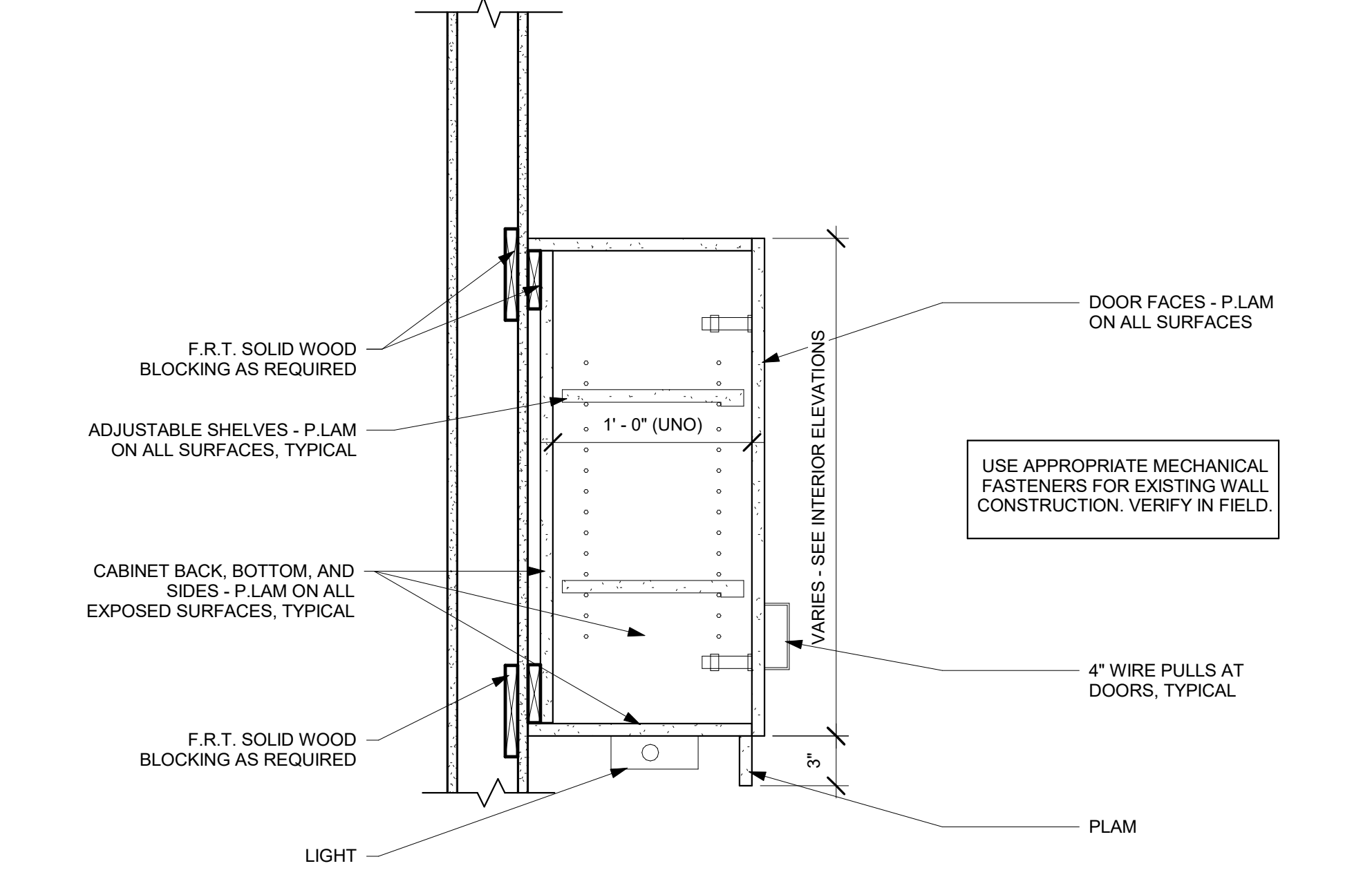
5 BASE CABINET w/ MICROWAVE SHELF  
1 1/2" = 1'-0"



6 TRANSACTION WINDOW DETAIL  
1 1/2" = 1'-0"



7 BENCH -CORRIDOR DETAIL  
1 1/2" = 1'-0"



8 WALL MOUNTED CABINET  
1 1/2" = 1'-0"





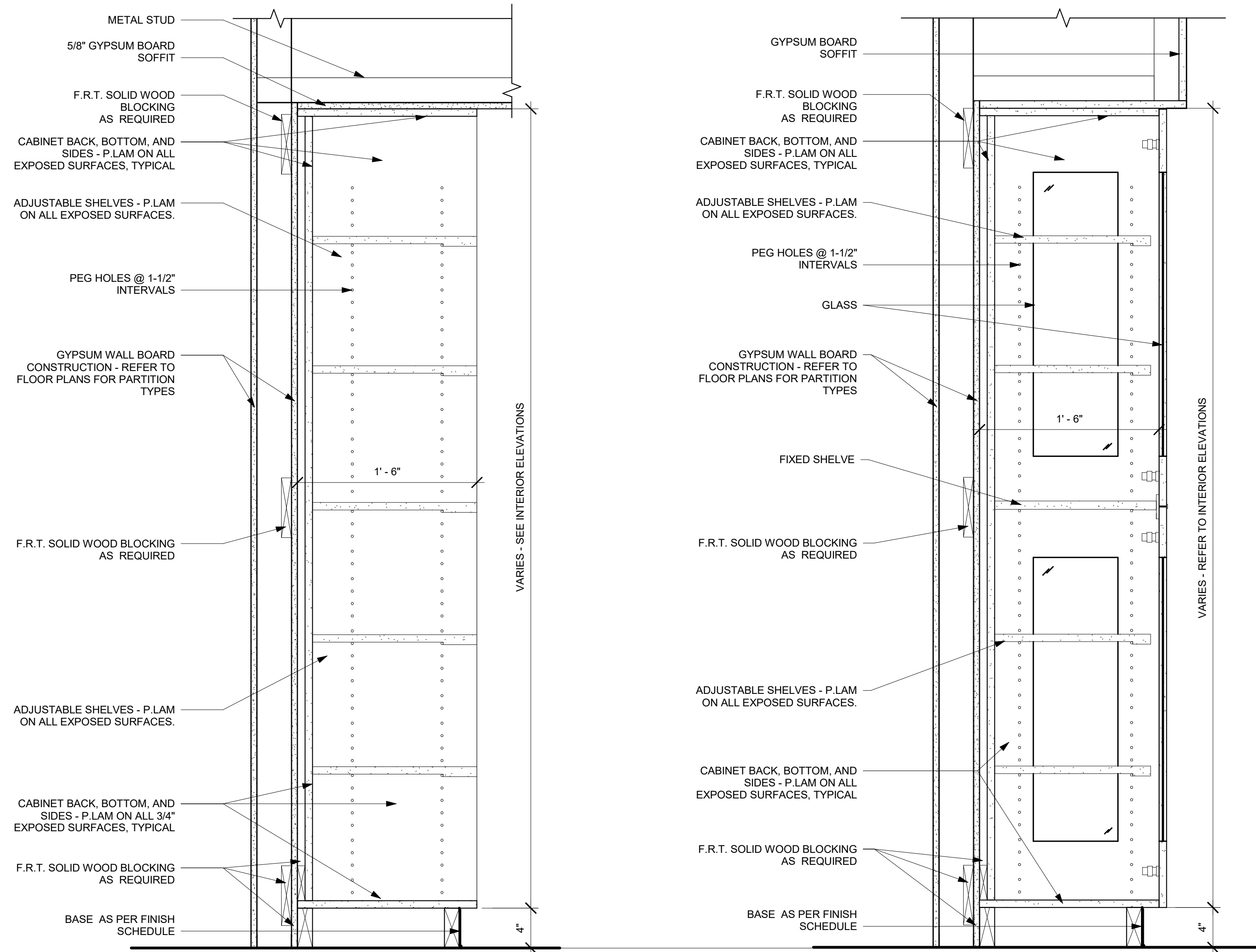
TOWN OF WAYLAND

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529 MAIN STREET, SUITE 3303  
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FAX: 207.582.8320

CONSULTANT:

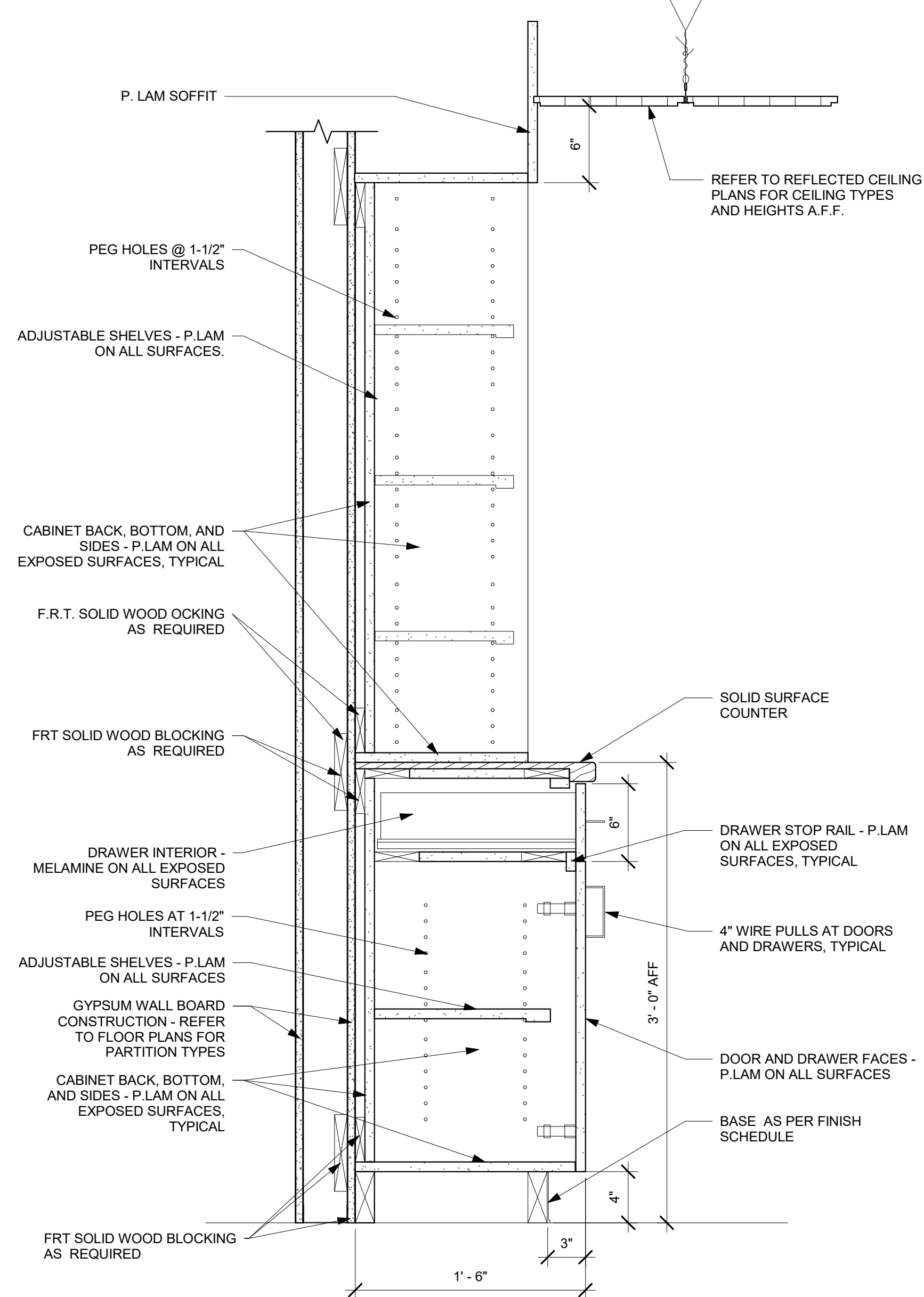


1 TALL CABINETS w/OPEN SHELVES  
1 1/2" = 1'-0"

2 TALL CABINET w/DISPLAY DOORS  
1 1/2" = 1'-0"

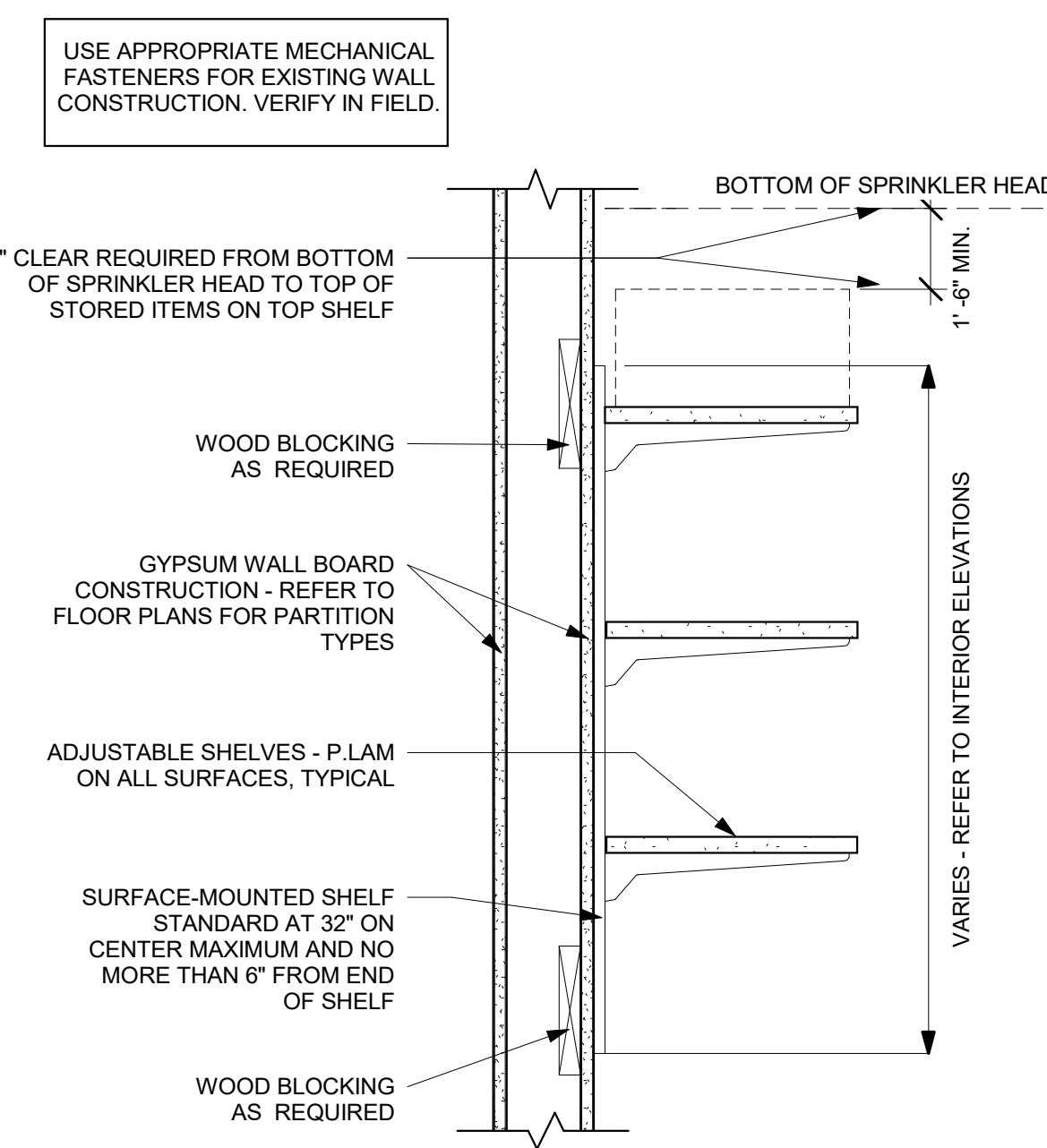
3 BASE CABINET on BASE MOUNT  
w/OPEN SHELVES  
1 1/2" = 1'-0"

4 CHIMNEY MOUNT w/STONE WALL  
1 1/2" = 1'-0"



5 BASE CABINET AND SHELVES  
1 1/2" = 1'-0"

6 UNDER STAIR STORAGE  
1 1/2" = 1'-0"

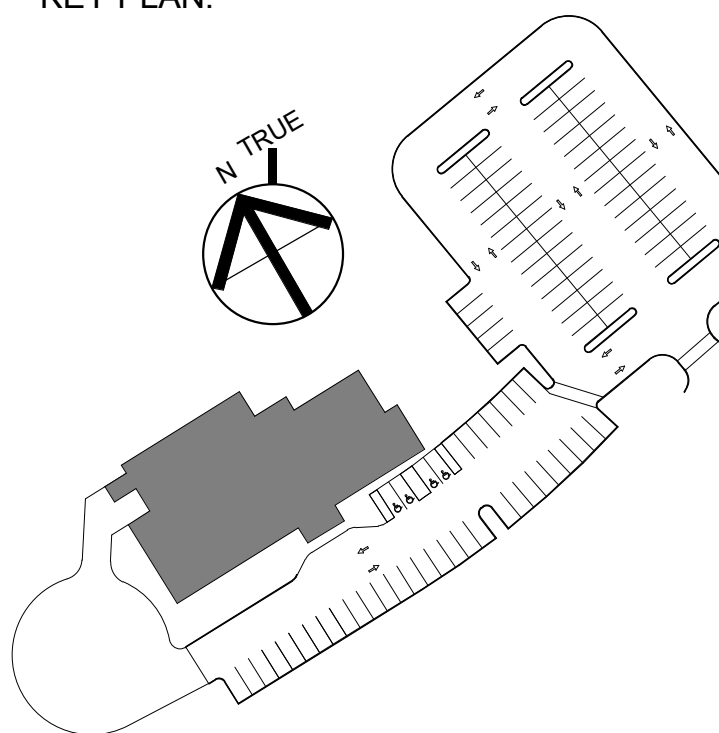


7 ADJUSTABLE SHELF  
1 1/2" = 1'-0"

ISSUE/REVISION:

NO:	DATE:	DESCRIPTION:
NO: 4	Date 4	Revision 4
B	10/12/2022	50% CD SET
C	11/23/2022	95% CD SET

KEY PLAN:



DRAWING TITLE:  
CASEWORK DETAILS

DRAWN BY: MK	SEAL:
CHECKED BY: TA	
SCALE: 1 1/2" = 1'-0"	
PROJECT NO.: 21-125-2125.04	
DRAWING NO.:	

A-611



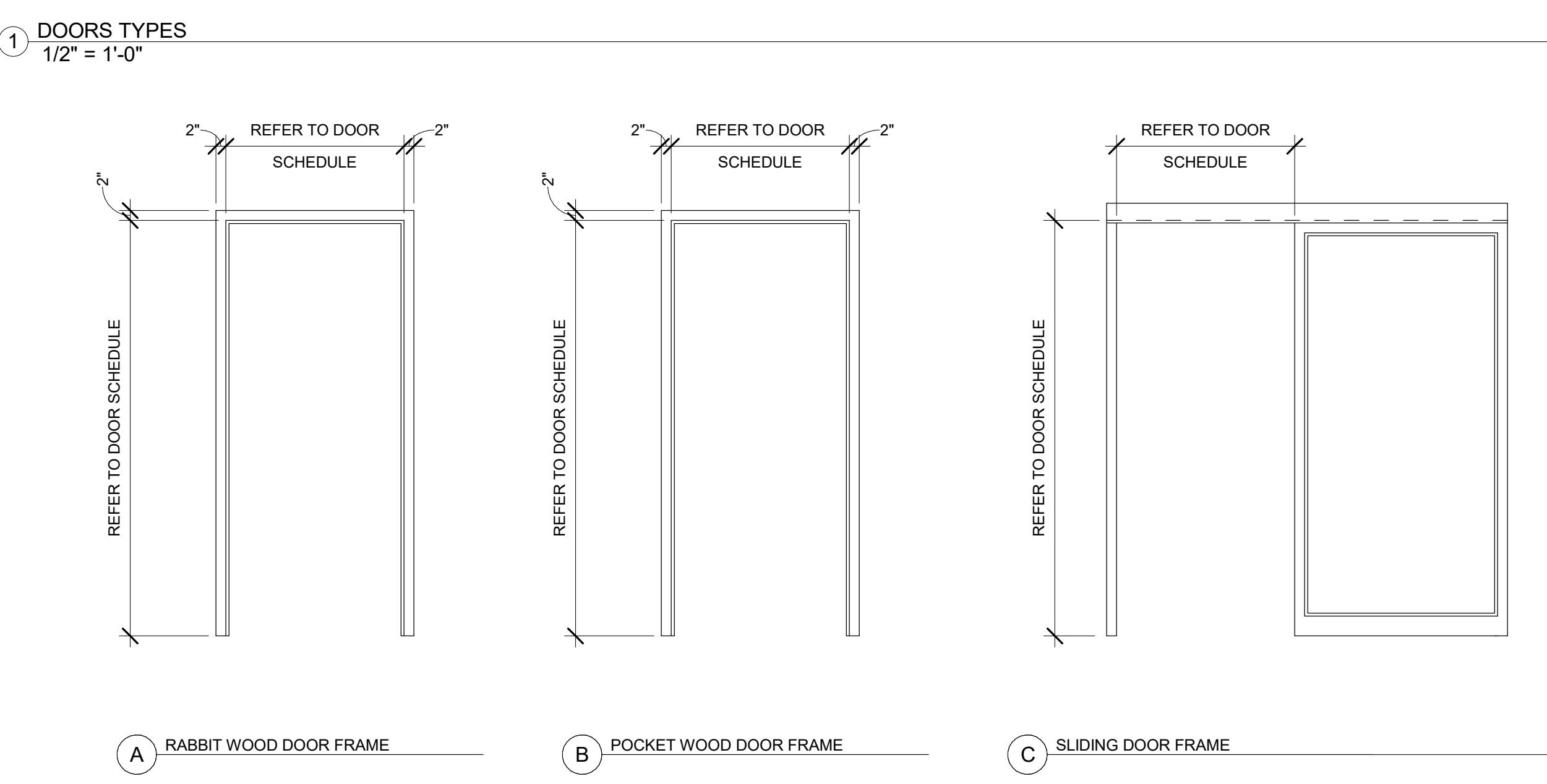
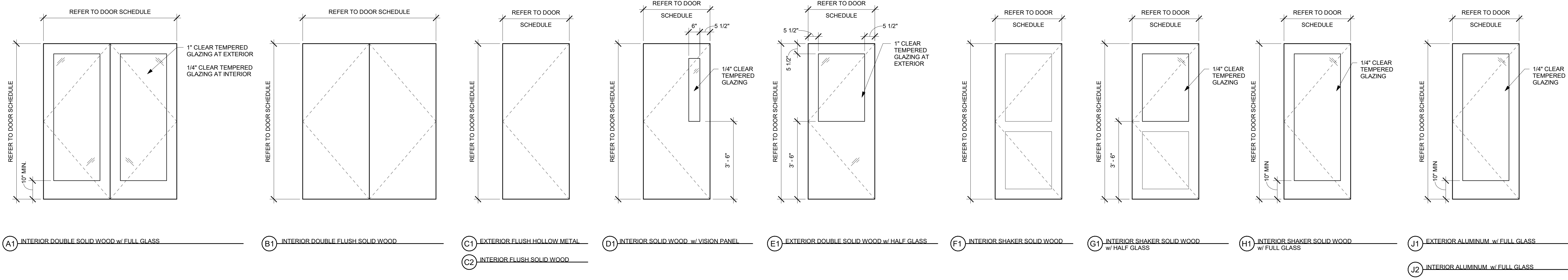
TOWN OF WAYLAND

WAYLAND CoA
COMMUNITY CENTER
8 ANDREW AVENUE,
WAYLAND, MA 01778

DAI DiGIORGIO ASSOCIATES INCORPORATED
A LiRo Group Company

ARCHITECTURE BOSTON
PLANNING 529 MAIN STREET, SUITE 3303
INTERIOR DESIGN BOSTON, MA 02129
ENGINEERING PORTLAND
500 WASHINGTON AVENUE
PORTLAND, ME 04103

CONSULTANT:

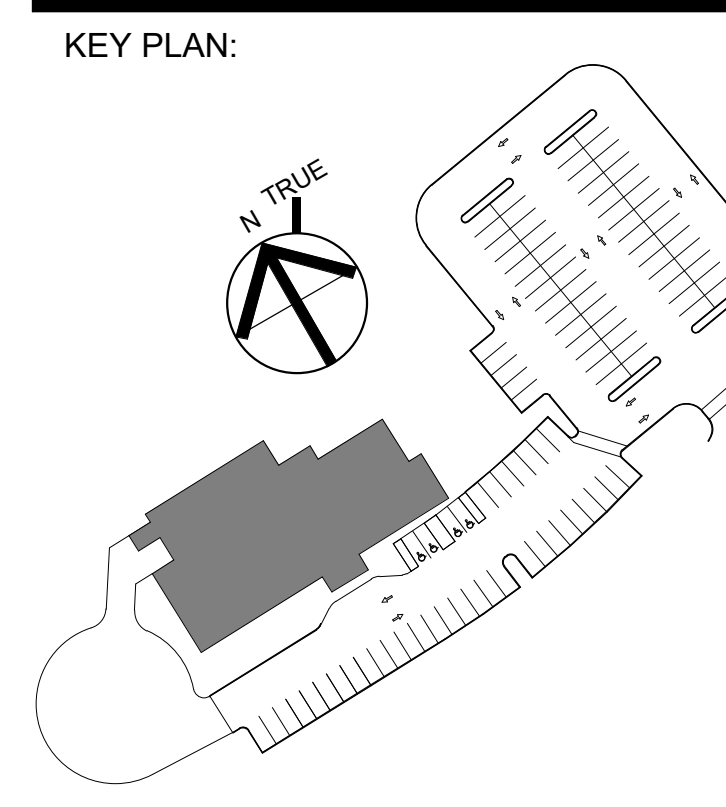


DOORS TYPES 1/2" = 1'-0"
FRAME TYPES 1/2" = 1'-0"

Table with columns: DOOR NUMBER, WIDTH, HEIGHT, TYPE, MATERIAL, FINISH, DOOR, FRAME, TYPE, MATERIAL, FINISH, HARDWARE, COMMENTS. Lists door specifications for items 100A through 200B.

SET #01 - SINGLE WITH PUSH/PULL HARDWARE
DOORS 113, 115
3Hinges CB168 4 1/2 X 4 1/2 US26D BE
1Door Pull 1194-3 630TR
1Push Plate 1001-3 630TR
1Door Closer QDC111 BF R 689SH
1Kick Plate K0050 10" x 34" B4E-HEAVY-KP CSK630TR
1Door Stop 1211/1270WV AS REQUIRED 626TR
3Door Silencers 1229A GREYTR

ISSUE/REVISION table with columns: NO., DATE, DESCRIPTION. Shows revision history for the drawing.



DRAWING TITLE:
DOOR AND HARDWARE
SCHEDULE AND DETAILS

DRAWN BY: MK
CHECKED BY: TA
SCALE: 1/2" = 1'-0"
PROJECT NO.: 21-125-2125.04
DRAWING NO.: A-700



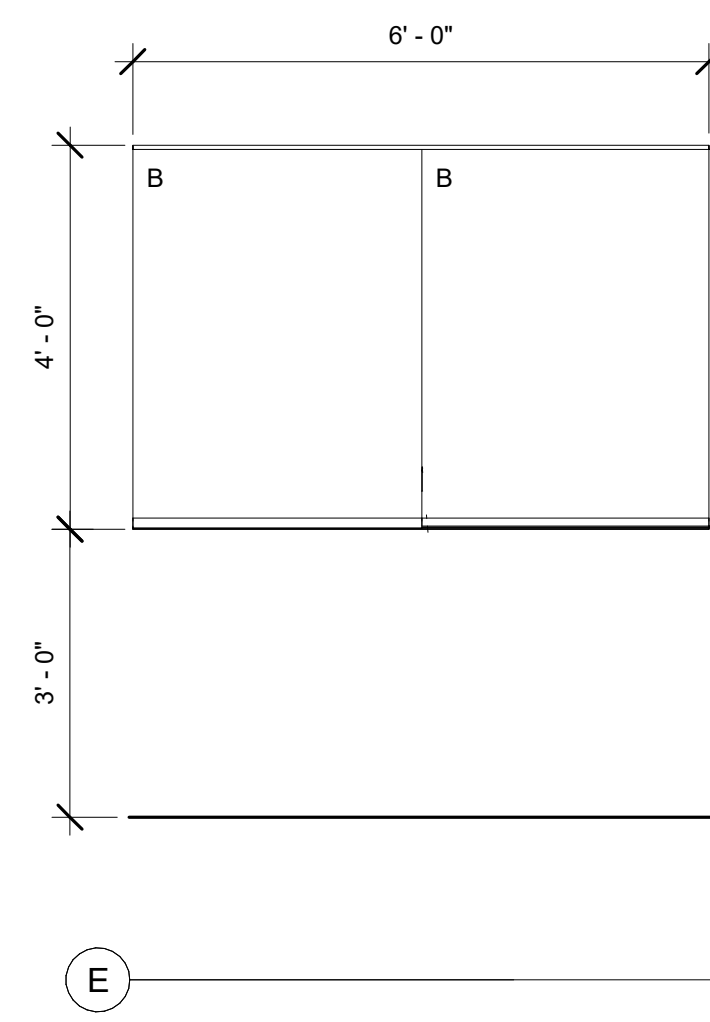
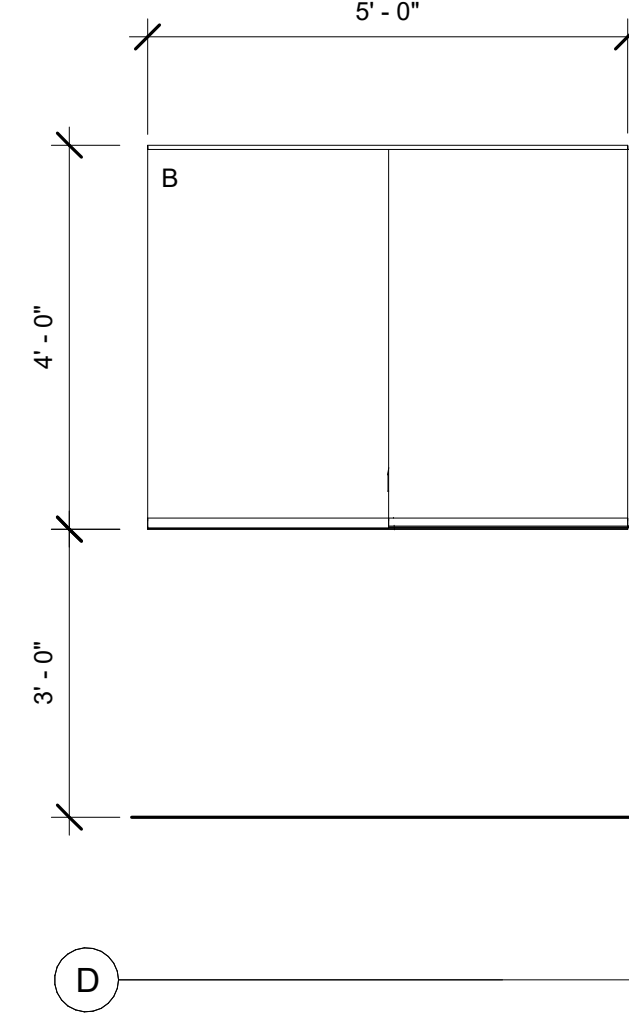
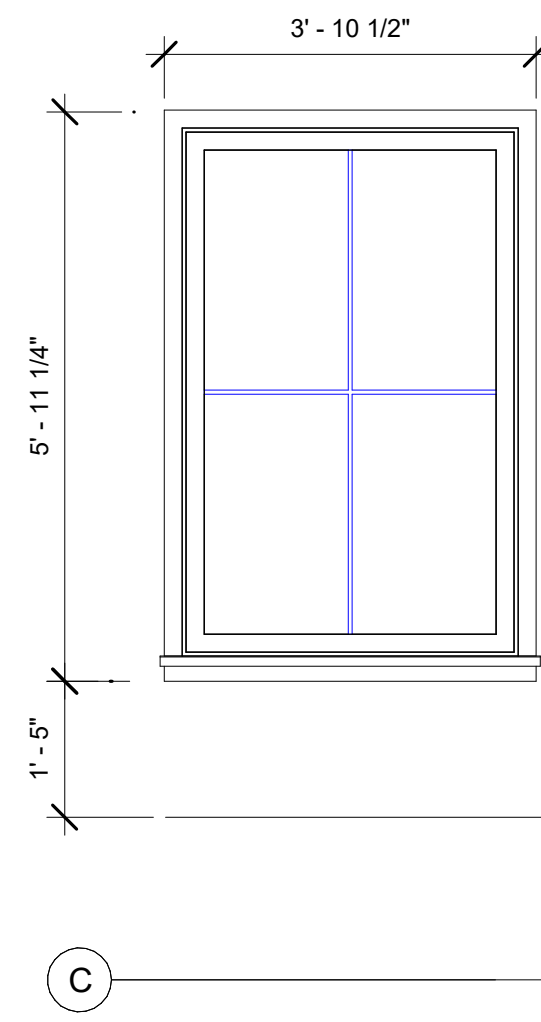
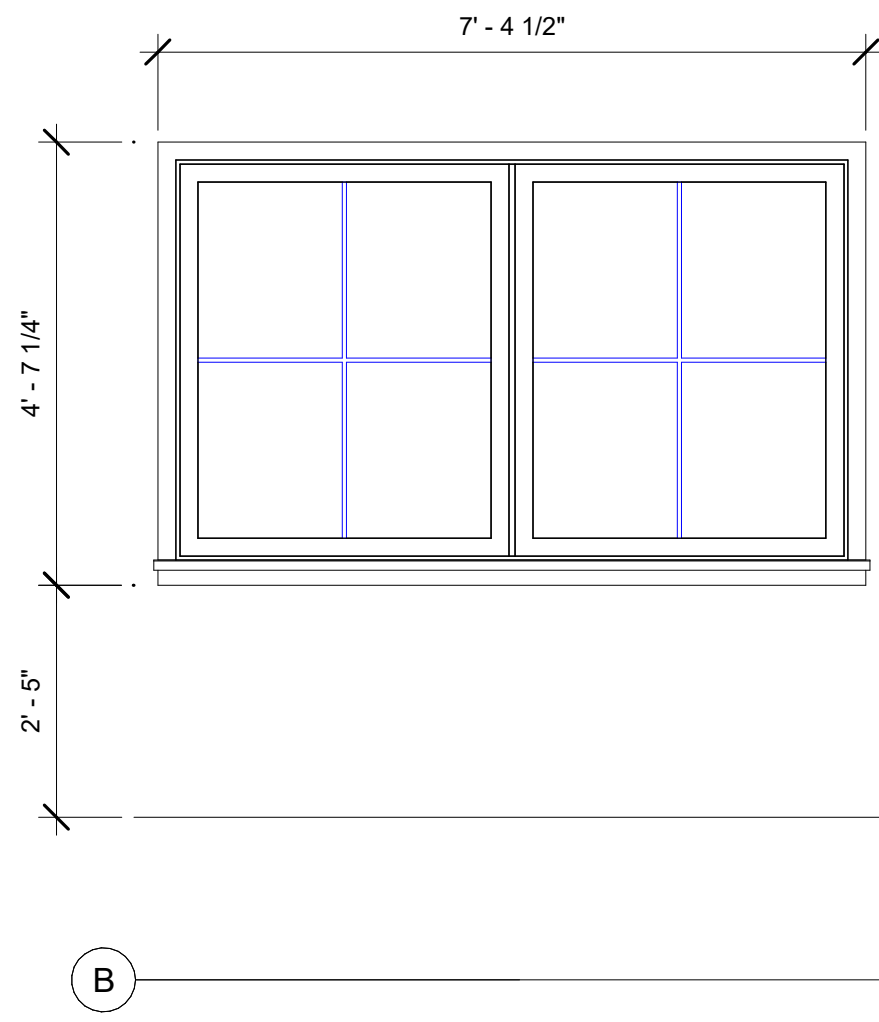
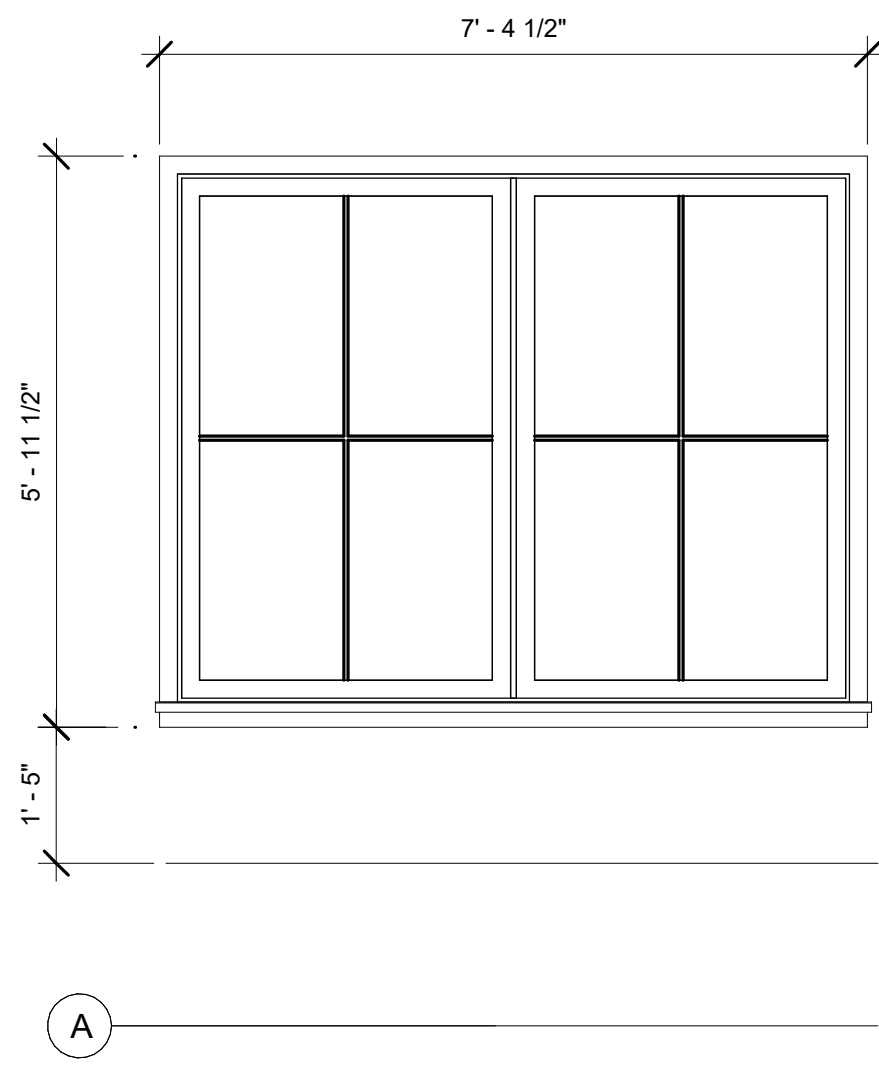
TOWN OF WAYLAND

WAYLAND CoA  
 COMMUNITY CENTER  
 8 ANDREW AVENUE,  
 WAYLAND, MA 01778

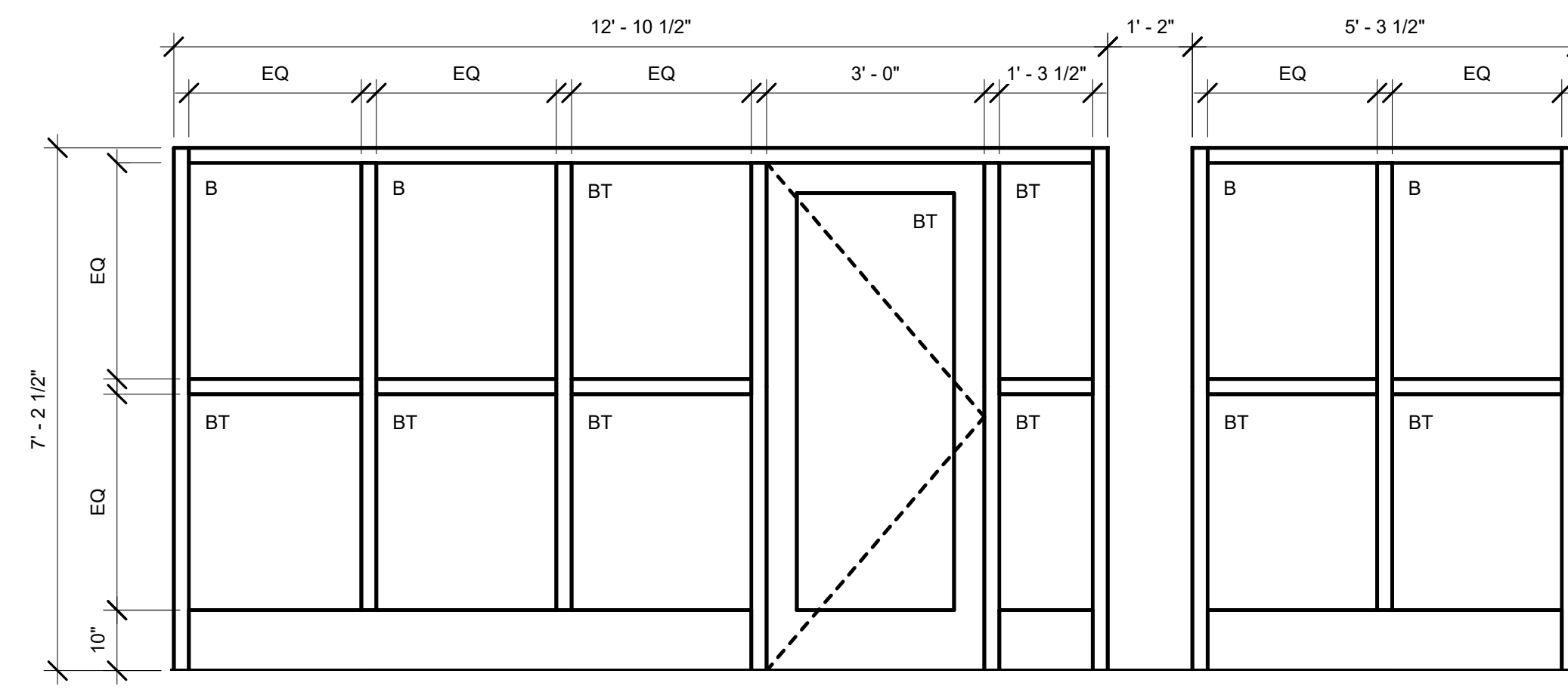
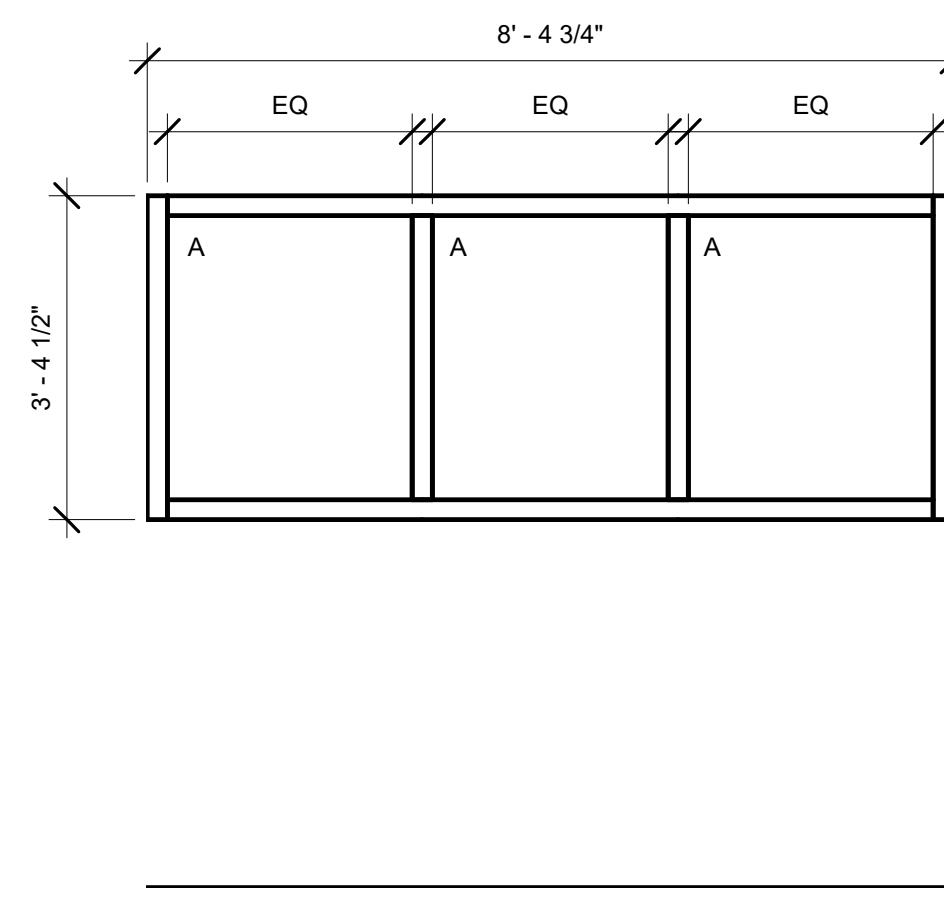
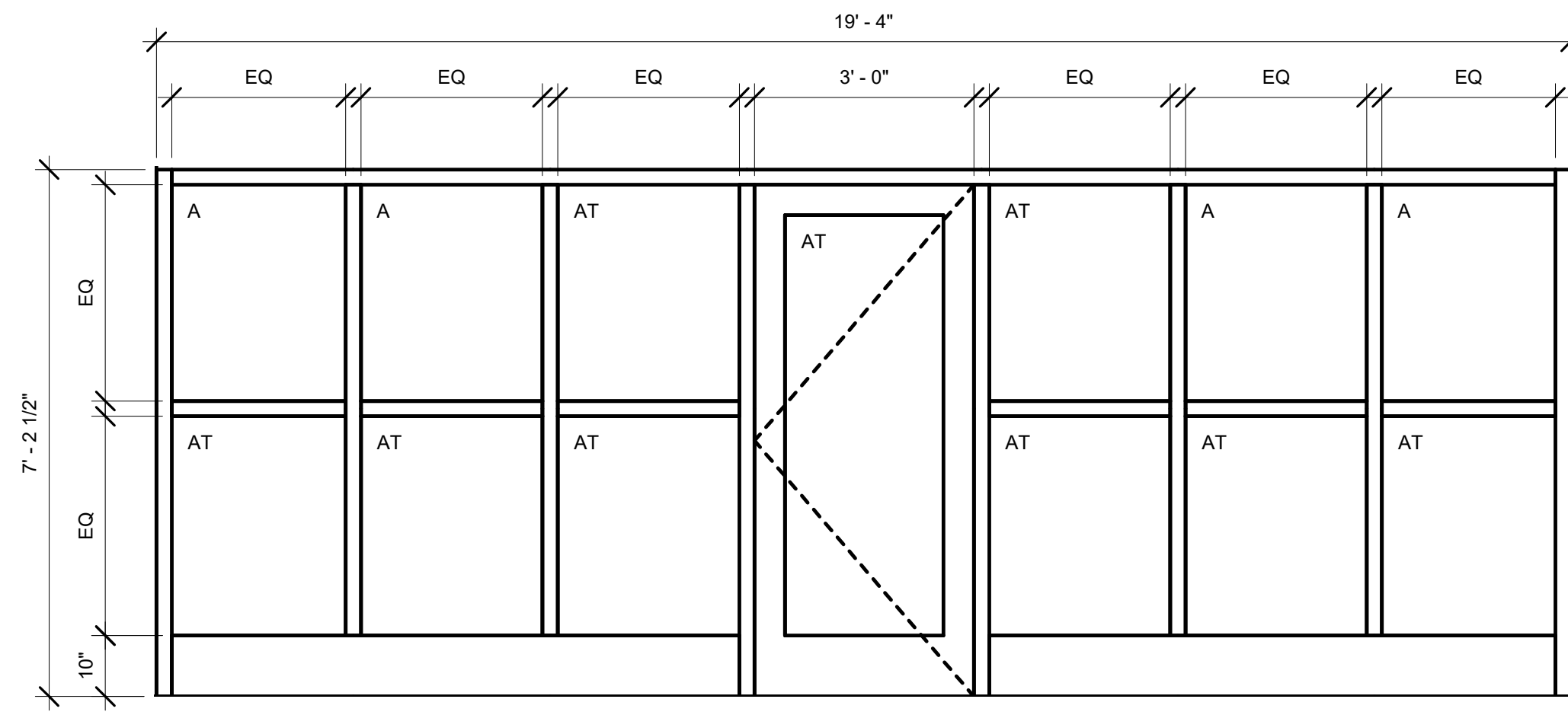
**DAI** DIGIORGIO ASSOCIATES INCORPORATED  
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CONSULTANT:



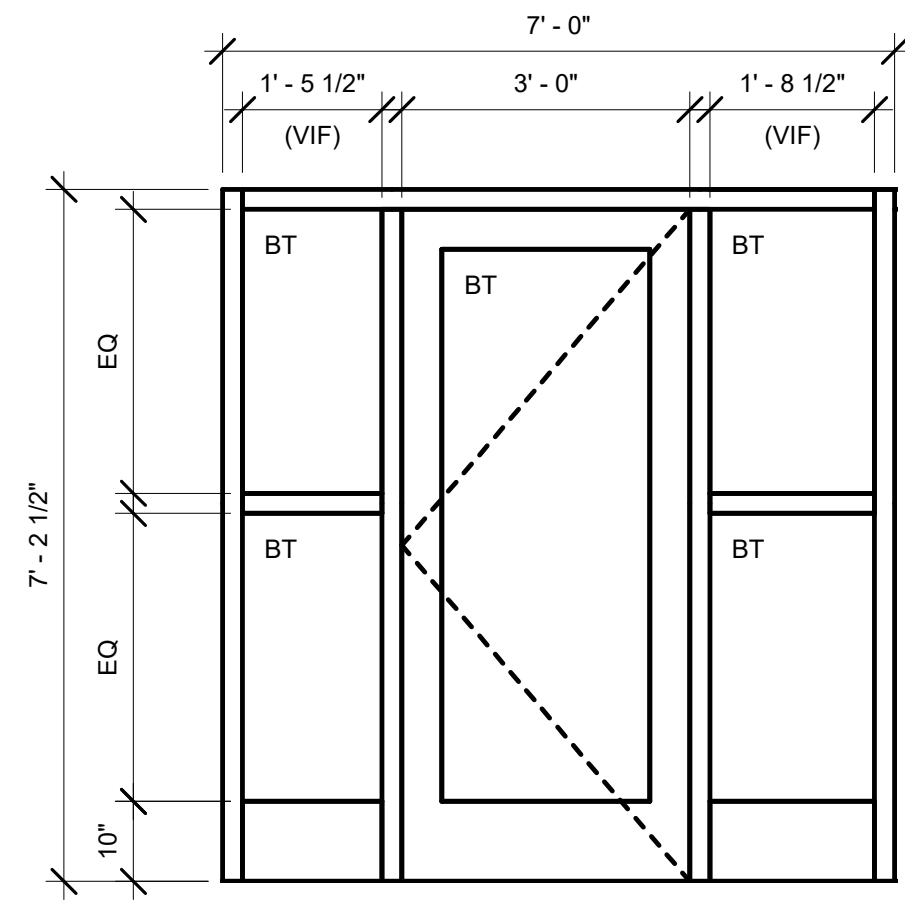
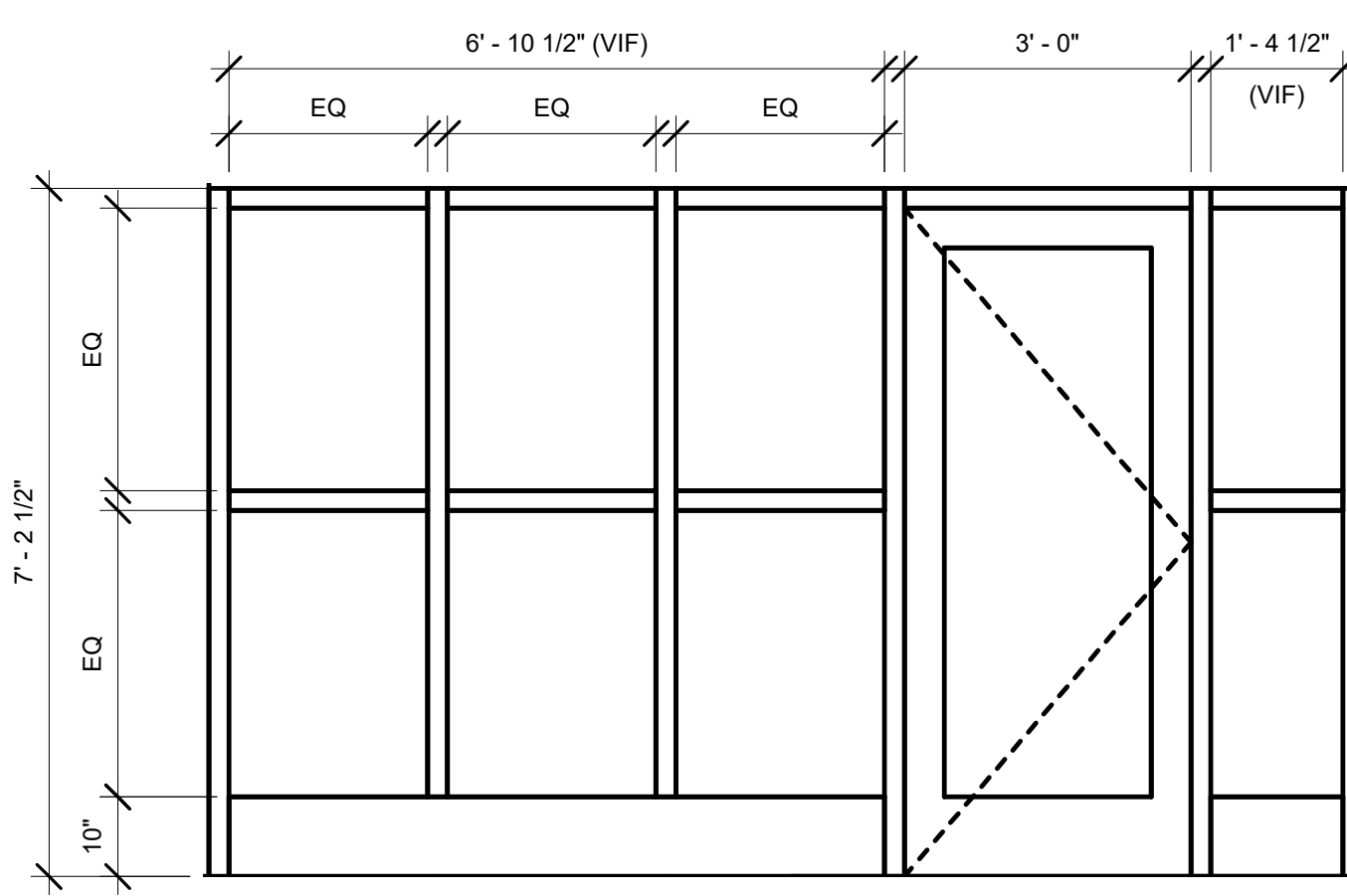
WINDOW DETAILS  
 1/2" = 1'-0"



① STOREFRONT ELEVATION (1)  
 1/2" = 1'-0"

② STOREFRONT ELEVATION (2)  
 1/2" = 1'-0"

③ STOREFRONT ELEVATION (3)  
 1/2" = 1'-0"



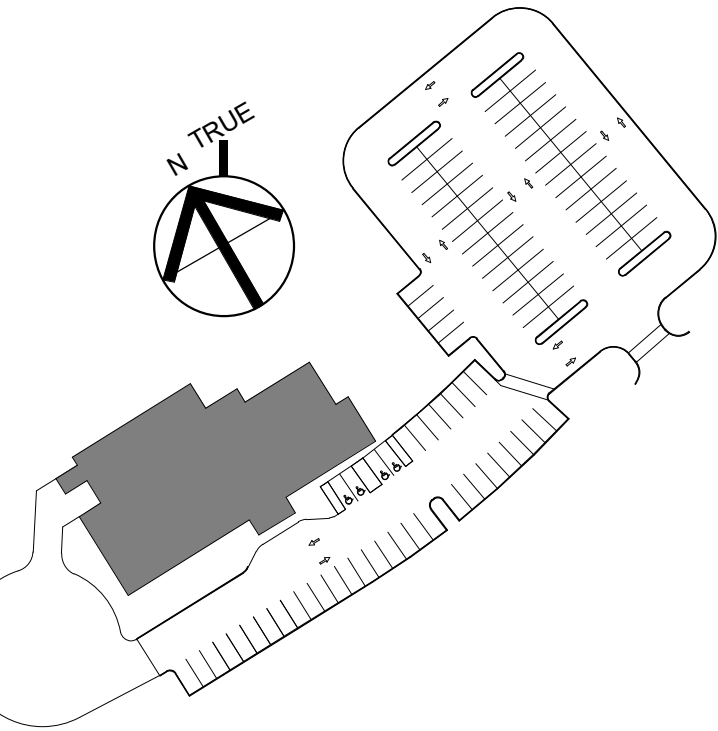
WINDOW SCHEDULE													
Type Mark	R.O.		Type	Manufacturer	Model	Material	Finish	Head	Jamb	Sill	Glazing		Comments
	Width	Height									Thickness	Type	

⑥ STOREFRONT ELEVATION (4)  
 1/2" = 1'-0"

⑤ STOREFRONT ELEVATION (5)  
 1/2" = 1'-0"

ISSUE/REVISION:		
NO.	DATE:	DESCRIPTION:
Date 4	Revision 4	
B	10/12/2022	50% CD SET
C	11/23/2022	95% CD SET

KEY PLAN:



DRAWING TITLE:  
**WINDOW SCHEDULE AND DETAILS**

DRAWN BY: MK  
 CHECKED BY: TA  
 SCALE: 1/2" = 1'-0"  
 PROJECT NO.: 21-125-2125.04  
 DRAWING NO.: **A-701**

PROJECT LOCATION:  
 800 160/7/over of Wayland On Call TAXI ORDER #4/Wayland On 08-24-22 v4  
 DATE & TIME PRINTED: 11/23/2022 2:56:27 PM



TOWN OF WAYLAND

WAYLAND CoA  
COMMUNITY CENTER  
8 ANDREW AVENUE,  
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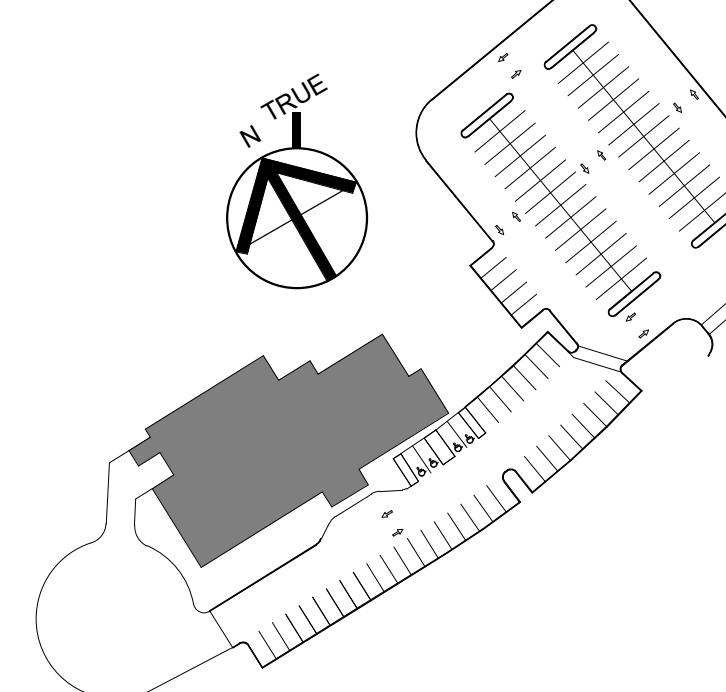
INTERIOR DESIGN  
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500 WASHINGTON  
PORTLAND, ME 04103  
TEL. 207.582.2400  
FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION:

NO.	DATE	DESCRIPTION
A	09/19/2022	100% DD SET
B	10/12/2022	50% CD SET
C	11/23/2022	90% CD SET

KEY PLAN:

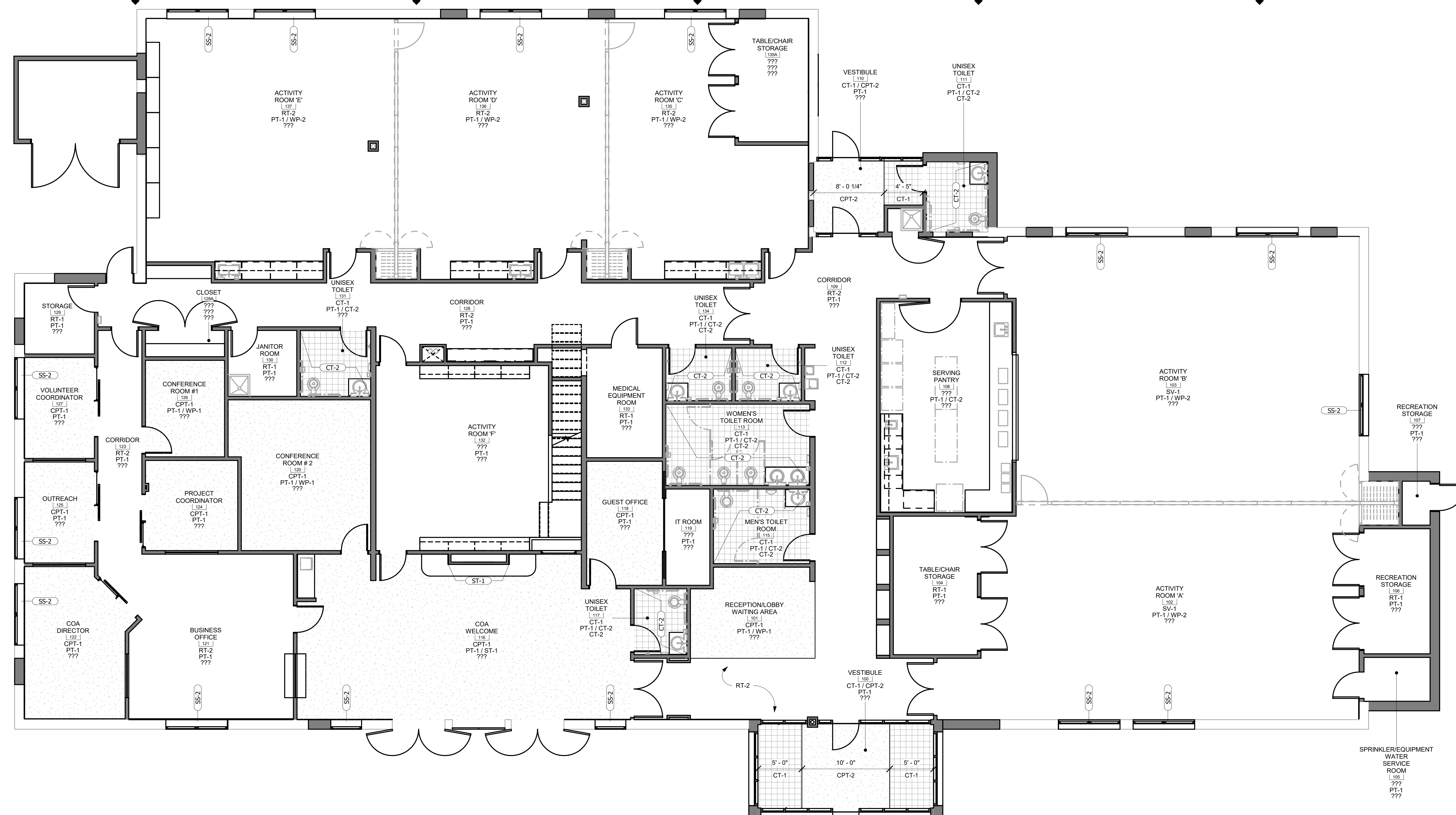


DRAWING TITLE:  
**OVERALL GROUND FINISH PLAN**

DRAWN BY: MK  
CHECKED BY: TA  
SCALE: 3/16" = 1'-0"  
PROJECT NO.: 21-125-2125.04  
DRAWING NO.:

**A-800**

PRODUCT LOCATION:  
800 South of Wayland on Call TAXI ORDER #A/Wayland On 08-24-22 v1  
DATE & TIME PRINTED: 11/23/2022 2:56:30 PM



ROOM FINISH SCHEDULE						
NUMBER	NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	COMMENTS
100	VESTIBULE	CT-1 / CPT-2	???	PT-1	ACT-1 / GWB (PT-2)	
101	RECEPTION/LOBBY WAITING AREA	CPT-1	???	PT-1 / WP-1	ACT-1 / ACT-2	
102	ACTIVITY ROOM 'A'	SV-1	???	PT-1 / WP-2	ACT-1 / GWB (PT-2)	
103	ACTIVITY ROOM 'B'	SV-1	???	PT-1 / WP-2	ACT-1 / GWB (PT-2)	
104	TABLE/CHAIR STORAGE	RT-1	???	PT-1	ACT-1	
105	SPRINKLER/EQUIPMENT WATER SERVICE ROOM	???	???	PT-1	ACT-1	
106	RECREATION STORAGE	RT-1	???	PT-1	ACT-1	
107	RECREATION STORAGE	???	???	PT-1	ACT-1	
108	SERVING PANTRY	???	???	PT-1 / CT-2	ACT-1	
109	CORRIDOR	RT-2	???	PT-1	ACT-1 / GWB (PT-2)	
110	VESTIBULE	CT-1 / CPT-2	???	PT-1	ACT-1 / GWB (PT-2)	
111	UNISEX TOILET	CT-1	CT-2	PT-1 / CT-2	GWB (PT-2)	
112	UNISEX TOILET	CT-1	CT-2	PT-1 / CT-2	GWB (PT-2)	
113	WOMEN'S TOILET ROOM	CT-1	CT-2	PT-1 / CT-2	GWB (PT-2)	
115	MEN'S TOILET ROOM	CT-1	CT-2	PT-1 / CT-2	GWB (PT-2)	
116	COA WELCOME	CPT-1	???	PT-1 / ST-1	ACT-1 / ACT-2 / GWB (PT-2)	
117	UNISEX TOILET	CT-1	CT-2	PT-1 / CT-2	GWB (PT-2)	
118	GUEST OFFICE	CPT-1	???	PT-1	ACT-1	
119	IT ROOM	???	???	PT-1	ACT-1	
120	CONFERENCE ROOM # 2	CPT-1	???	PT-1 / WP-1	ACT-1	
121	BUSINESS OFFICE	RT-2	???	PT-1	ACT-1	
122	COA DIRECTOR	CPT-1	???	PT-1	ACT-1	
123	CORRIDOR	RT-2	???	PT-1	ACT-1	
124	PROJECT COORDINATOR	CPT-1	???	PT-1	ACT-1	
125	OUTREACH	CPT-1	???	PT-1	ACT-1	
126	CONFERENCE ROOM #1	CPT-1	???	PT-1 / WP-1	ACT-1	
127	VOLUNTEER COORDINATOR	CPT-1	???	PT-1	ACT-1	
128	CORRIDOR	RT-2	???	PT-1	ACT-1 / GWB (PT-2)	
128A	CLOSET	???	???	???	???	
129	STORAGE	RT-1	???	PT-1	ACT-1	
130	JANITOR ROOM	RT-1	???	PT-1	GWB (PT-2)	
131	UNISEX TOILET	CT-1	???	PT-1 / CT-2	GWB (PT-2)	
132	ACTIVITY ROOM 'F'	???	???	PT-1	ACT-1	
133	MEDICAL EQUIPMENT ROOM	RT-1	???	PT-1	ACT-1	
134	UNISEX TOILET	CT-1	CT-2	PT-1 / CT-2	GWB (PT-2)	
135	ACTIVITY ROOM 'C'	RT-2	???	PT-1 / WP-2	ACT-1 / GWB (PT-2)	
135A	TABLE/CHAIR STORAGE	???	???	???	???	
136	ACTIVITY ROOM 'D'	RT-2	???	PT-1 / WP-2	ACT-1 / GWB (PT-2)	
137	ACTIVITY ROOM 'E'	RT-2	???	PT-1 / WP-2	ACT-1 / GWB (PT-2)	
138	TRASH ENCLOSURE	???	???	???	???	
200	MECHANICAL PLATFORM	???	--	PT-1	GWB (PT-2)	

MATERIAL SCHEDULE							
TYPE	MANUFACTURER	SERIES	MODEL	SIZE	COLOR	COMMENTS	
CARPET							
CPT-1	INVISION	--	PLANKS	--	--	--	
CPT-2	MATS INC	--	--	--	--	RAISED CARPET SLATS THROUGH TROUGH	
CEILING TILE							
ACT-1	ARMSTRONG	DUNE, 2nd LOOK	TEGULAR	24" x 24"	WHITE	15/16 GRID	
ACT-2	ARMSTRONG	WOODWORKS	GRILLE	--	--	--	
ACT-3	ARMSTRONG	--	--	--	--	--	
CERAMIC TILE							
CT-1	CROSSVILLE	ARGENT	--	--	--	--	
CT-2	DALTILE	--	--	--	--	MATTE AND GLOSS FINISH	
PAINT							
PT-1	BENJAMIN MOORE	EGG-SHELL	--	--	ACCOLADE 'KM4957'	GENERAL PAINT	
PT-2	BENJAMIN MOORE	MATTE	--	--	--	SOFFIT / CEILING PAINT	
PT-3	BENJAMIN MOORE	SEMI-GLOSS	--	--	--	DOOR FRAME PAINT	
PLASTIC LAMINATE							
PL-1	--	--	--	--	--	--	
RESILIENT TILE							
RT-1	ARMSTRONG	EXCELON	--	--	--	--	
RT-2	FORBO	MARMOLEUM	--	--	--	--	
SHEET VINYL							
SV-1	JOHNSONITE	--	--	--	--	--	
SOLID SURFACE							
SS-1	--	--	--	--	--	--	
SS-2	--	--	--	--	--	--	
STONE VEENER							
ST-2	ELDORADO	HILLSTONE	LUCERA	--	--	--	
WALL PROTECTION							
WP-1	ArcCOM	TYPE II	--	--	--	--	
WP-2	CARNEGIE	ACOUSTIC PANELS	FABRIC	--	--	--	

<b>ABBREVIATIONS</b>	
1P	SINGLE POLE
1PH, 10	SINGLE PHASE
3PH, 3Ø	THREE PHASE
4W	FOUR-WIRE
Δ	DELTA
Ø	PHASE
A, AMP	AMPERE
AC	ARMORED CABLE
AF	ABOVE FINISH FLOOR
AFS	ABOVE FINISH GRADE
AHJ	AUTHORITY HAVING JURISDICTION
APC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
ALT	ALTERNATE
ANN	ANNUNCIATOR
ARCH	ARCHITECTURAL
ATS	AUTOMATIC TRANSFER SWITCH
AUX	AUXILIARY
AV	AUDIO VISUAL
BVR	BREAKER
BMS	BUILDING MANAGEMENT SYSTEM
BOS	BOTTOM OF STEEL
C, CND	CONDUIT (GENERAL NAME FOR RACEWAY) PROVIDED AS SPECIFIED
CAT	CATALOG
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CL	CENTERTUNE
CLG	CENTRELINE
CO	CARBON MONOXIDE
COMM	COMMUNICATION
CP	CONTROL PANEL
CR	CONTROL RELAY
CT	CURRENT TRANSFORMER
CJ	COPPER
DB	DIRECT BURIED
DN	DOWN
DS, DISC	DISCONNECT SWITCH
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
ELEV	ELEVATOR
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EPC	EMERGENCY POWER OFF
EWC	ELECTRICAL WATER COOLER
F	FUSE
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS/OWNER
FD	FIRE DAMPER
FLA	FULL-LOAD AMPS
FP	FIRE PROTECTION SYSTEM INSTALLER
FT	FEET
FWE	FURNISHED WITH EQUIPMENT
G, CND	GROUND OR GROUNDING
GAIV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GR, GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HH	HAND HOLE
HP	HORSEPOWER
HTR	HEATER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HZ	HERTZ
IB	INTERNATIONAL BUILDING CODE
IC	INTERRUPTING CAPACITY
IG	ISOLATED GROUND
J, JB	JUNCTION BOX
JC	JANITOR'S CLOSET
KMIL	THOUSAND CIRCULAR MILS
KV	KILO-VOLT
kVA	KILO-VOLT AMPERE
kW	KILO-WATT
kWH	KILO-WATT HOUR
LGT	LIGHTING
LP	LIGHTING PANEL
MC	METAL CLAD
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MFR	MANUFACTURER
MH	MANHOLE
MI	MINERAL INSULATED
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTS	MANUAL TRANSFER SWITCH
MTD	MOUNTED
N, NEUT	NEUTRAL
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFA	NATIONAL FIRE PROTECTION ASSOCIATION
NC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NO #	NUMBER
NORM	NORMAL
NRTL	NATIONALLY RECOGNIZED TESTING LABORATORY AS APPROVED BY OSHA AND LOCAL AUTHORITIES
NTS	NOT TO SCALE
OCPD	OVERCURRENT PROTECTIVE DEVICE
PB	PULL BOX
PC	PLUMBING SYSTEM INSTALLER
PF	POWER FACTOR
PH	PHASE
PIR	PASSIVE INFRARED
PNL	PANEL
PV	PHOTOVOLTAC
PVC	POLY-VINYL CHLORIDE CONDUIT
PWR	POWER
QTY	QUANTITY
RGS	RIGID GALVANIZED STEEL
REQD	REQUIRED
RMS	ROOT MEAN SQUARE
RNMIC	RIGID NON-METAL CONDUIT
RSC	RIGID STEEL CONDUIT
S, SW	SWITCH
SD	SMOKE DETECTOR
SP	SPARE
SPKR	SPEAKER
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TC	TELECOMMUNICATIONS CABLE INSTALLER
TEL	TELEPHONE
TMCB	TERMINAL MAGNETIC CIRCUIT BREAKER
TP	TAMPER PROOF, TWISTED PAIR
TYS	TWISTED PAIR BUNDLED
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORY LISTING
UN	UNLESS OTHERWISE NOTED
V	VOLT
VA	VOLT AMPERE
VAR	VOLT-AMPERE REACTIVE
VFD	VARIABLE FREQUENCY DRIVE
W	WATT, WIRE
WH	WATER HEATER
WG	WIRE GUARD
WP	WEATHERPROOF
XFMR, T	TRANSFORMER
XP	EXPLOSION PROOF
Y	WYE (STAR)

<b>ONE-LINE SCHEMATIC SYMBOLS</b>	
IDENTIFIER	DESCRIPTION
	POWER TRANSFORMER DRY TYPE, UON.
	VOLTAGE TRANSFORMER
	CURRENT TRANSFORMER
	FUSE
	GROUND FAULT SENSOR & RELAY
	AMMETER SWITCH
	AMMETER
	VOLTMETER
	WATT-HOUR METER
	DRAWN CIRCUIT BREAKER
	"AF"- INDICATES AMPERE FRAME SIZE
	"AT"- INDICATES AMPERE TRIP SETTING
	SWITCH AND FUSE
	"A00"- INDICATES AMPERE SWITCH SIZE
	"A000"- INDICATED AMPERE FUSE SIZE
	SYSTEM GROUND OR EQUIPMENT GROUND
	SYSTEM GROUND OR EQUIPMENT GROUND
	PRIMARY DISCONNECT SWITCH (BOLTED PRESSURE TYPE)
	AUTOMATIC TRANSFER SWITCH
	FEEDER SIZE TAG SYMBOL, REFER TO "LEGEND OFFEEDEER SIZE"
	KR/K KEY INTERLOCK
	TRANSIENT VOLTAGE SURGE SUPPRESSION TO PROTECT LL, UN, NH, LG

<b>WIRING DEVICES SYMBOLS</b>	
IDENTIFIER	DESCRIPTION
	DUPLEX RECEPTACLE - GROUNDED TYPE - MTD 18" AFF UON NUMERICAL INDICATES CIRCUIT NUMBER, "AF" INDICATES ARC FLASH TYPE.
	DUPLEX RECEPTACLE - GROUND FAULT INTERRUPTING TYPE - MTD 18" AFF UON
	DUPLEX RECEPTACLE - GROUNDED TYPE - MTD AT 42" AFF OR 6" ABOVE COUNTER TOP OR BACK SPLASH WHERE EXISTENT.
	DUPLEX RECEPTACLE - GROUND FAULT INTERRUPTING TYPE - MTD 42" AFF OR 6" ABOVE COUNTER TOP OR BACK SPLASH WHERE EXISTENT.
	DUPLEX RECEPTACLE - TOP HALF SWITCHED - MTD AT 18" AFF UON, "s" INDICATES SWITCH TO DEVICE CONTROL RELATIONSHIP.
	DUPLEX RECEPTACLE - ISOLATED GROUND TYPE - MTD AT 18" AFF UON, "C" INDICATES MTD 42" AFF OR 6" ABOVE COUNTER.
	QUAD RECEPTACLE - GROUNDED TYPE - MTD AT 18" AFF UON, "C" INDICATES MTD 42" AFF OR 6" ABOVE COUNTER, "I" INDICATES ISOLATED GROUND
	FLOOR OUTLET BOX WITH DUPLEX RECEPTACLE, REFER TO SPECIFICATIONS.
	FLOOR OUTLET BOX WITH QUAD RECEPTACLE, REFER TO SPECIFICATIONS.
	CEILING MTD BOX WITH DUPLEX RECEPTACLE, REFER TO SPECIFICATIONS.
	SPECIAL PURPOSE RECEPTACLE - "A" INDICATES TYPE AS SHOWN ON DRAWINGS OR IN SPECIFICATIONS.
	SPECIAL PURPOSE RECEPTACLE - FLOOR OUTLET BOX - "A" INDICATES TYPE AS SHOWN ON DRAWINGS OR IN SPECIFICATIONS.
	POWER POLE, REFER TO SPECIFICATIONS AND DRAWINGS FOR RECEPTACLE CONFIGURATION.
	PLUGMOLD STRIP WITH GROUNDED RECEPTACLES. SEE SPECIFICATIONS.
	WIREMOLD WITH DUPLEX GROUNDED RECEPTACLES. SEE SPECIFICATIONS.
	FLOOR MTD DEVICE(S) IN (OUTLET BOXES) OR A POKE-THRU UNIT, REFER TO DWG. NOTES FOR NUMBER AND TYPE OF DEVICES.
	COMBINATION USB CHARGER AND GROUNDED TYPE DUPLEX RECEPTACLE - MTD 18" AFF UON. INSTALL IN SINGLE GANG DEEP BACKBOX, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
	SEMI-FLUSH WALL MTD, 120 VOLT, 3 WIRE SYNCHRONOUS, 1224 HOUR ANALOG FACED CLOCK - INTERCONNECT TO THE NEAREST RECEPTACLE CIRCUIT.

<b>CIRCUITRY, RACEWAY AND FEEDERS SYMBOLS</b>	
IDENTIFIER	DESCRIPTION
	HOMERUN TO PANELBOARD LP2A CIRCUIT # 1,3,5.
	RACEWAY CONCEALED IN CEILING OR WALLS, OR EXPOSED IN UNFINISHED AREAS
	RACEWAY CONCEALED IN FLOOR SLAB
	FLEXIBLE RACEWAY, SIZE AS REQUIRED
	CONDUIT UP
	CONDUIT DOWN
	CABLE TRAY

<b>GENERAL SYMBOLS</b>	
IDENTIFIER	DESCRIPTION
	EQUIPMENT TAG
	EQUIPMENT NUMBER
	DETAIL TAG/CALL OUT TAG
	SHEET NUMBER
	KEYED NOTE

<b>TYP. DEVICE MOUNTING HEIGHT</b>	
RECEPTACLES (OFFICE AREA)	18" AFF
RECEPTACLES (UON)	36" AFF
LIGHT SWITCHES	48" AFF
DISCONNECT SWITCHES	NEC 404.8(A)
TELEPHONE OUTLETS	18" AFF
TELEPHONE OUTLET (WALL MTD)	48" AFF
COMPUTER OUTLETS	18" AFF
CLOCK OUTLETS	7'-6" AFF
FIRE ALARM PULL STATION	48" AFF
FIRE ALARM AUDIO/VISUAL ALARM	80" AFF
EXIT LIGHTS (WALL MTD)	1' ABOVE DOOR
EMERGENCY LIGHTS (WALL MTD)	7'-6" AFF
TV OUTLETS	18" AFF
AUDIO/VIDEO OUTLETS	18" AFF
MICROPHONE OUTLETS	18" AFF
PA ANNUNCIATOR PANEL	48" AFF
WELDING OUTLETS	36" AFF

NOTE: DIMENSIONS ARE TO DEVICE CENTERLINE UNLESS NOTED OTHERWISE.

<b>BUILDING GROUNDING GRID</b>	
IDENTIFIER	DESCRIPTION
	GROUNDED CABLE EXPOSED
	GROUNDED CABLE BURIED
	LIGHTNING PROTECTION ROD
	GROUND ROD
	EXOTHERMIC BONDING CONNECTION
	BOLTED BONDING CONNECTION

<b>EQUIPMENT SYMBOLS</b>	
IDENTIFIER	DESCRIPTION
	FUSED DISCONNECT SWITCH, "30AS" DENOTES SWITCH SIZE, "20AF" DENOTES FUSE SIZE.
	NON-FUSED DISCONNECT SWITCH, 30 AMP, UON.
	COMBINATION STARTER NON-FUSED DISCONNECT SWITCH, 3 POLE, 30A-3P SWITCH, WITH NEMA SIZE 1 STARTER UON, (FUSED STARTER DISCONNECT SWITCH INDICATED BY SWITCH AND FUSE SIZE).
	MAGNETIC MOTOR STARTER.
	MOTOR - NUMERICAL IN PLACE OF "M" DENOTES HORSEPOWER
	JUNCTION BOX - C- CEILING MOUNTED, OD= OVER DOOR, ODO= OVER DOOR OUTSIDE
	JUNCTION BOX WITH CONNECT TO DEVICE
	PUSH BUTTON FURNISHED AND INSTALLED BY OTHERS, WIRED BY THE ELECTRICAL CONTRACTOR, VERIFY EXACT REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGHING IN.
	PULL BOX - SIZE PER ELECTRIC CODE
	TIME CLOCK/TIMER, REFER TO SPECIFICATIONS.
	CONTACTOR, REFER TO SPECIFICATIONS.
	RELAY
	VARIABLE FREQUENCY DRIVE
	EMERGENCY POWER OFF MUSHROOM TYPE PUSHBUTTON PROVIDED WITH FULL ALUMINUM GUARD, MOUNTED AT 54" AFF, UNLESS OTHERWISE NOTED.
	LIGHTING PROTECTION AIR TERMINAL, ("S" DENOTES SPRING BASE).
	GROUNDED BUS BAR.

<b>PANELBOARD DESIGNATIONS</b>	
IDENTIFIER	DESCRIPTION
	SURFACE MOUNTED PANELBOARD 120/208V, 277/480V, & CONTROL PANEL RESPECTIVELY, 6'-6" AFF TO TOP.
	RECESSED/FLUSH MOUNTED PANELBOARD 120/208V, 277/480V, & CONTROL PANEL RESPECTIVELY, 6'-6" AFF TO TOP.
	SURFACE MOUNTED DISTRIBUTION PANELBOARD 120/208V, 277/480V, & CONTROL PANEL RESPECTIVELY, 6'-6" AFF TO TOP.
	METER
	PLYWOOD BACKBOARD
	DRY TYPE TRANSFORMER, REFER TO ONE-LINE DIAGRAM & TRANSFORMER SCHEDULE

<b>ELECTRICAL SYSTEM</b>	
CR	= CRITICAL PANEL
DP	= DISTRIBUTION PANEL
E	= EMERGENCY PANEL
EQ	= EQUIPMENT PANEL
L	= LIGHTING PANEL
LCP	= LIGHTING CONTROL PANEL
LS	= LIFE SAFETY PANEL
H	= HVAC/MECH PANEL
MOP	= MECHANICAL DISTRIBUTION PANEL
S	= STANDBY PANEL
OR	= OPERATING ROOM (CRITICAL) PANEL
B	= BASEMENT
1	= FIRST FLOOR
2	= SECOND FLOOR

<b>CIRCUIT DESIGNATION</b>	
T,2,3. A,B,C...	

<b>PANEL DESIGNATION</b>	
T,2,3. A,B,C...	

<b>VOLTAGE</b>	
2	= 208/120
4	= 480/277

<b>ELECTRICAL GENERAL NOTES</b>	
1.	ALL ELECTRICAL WORK SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE (N.E.C.), AND ALL LOCAL AND MUNICIPAL CODES HAVING JURISDICTION.
2.	ELECTRICAL CONTRACTOR (E.C.) TO VISIT SITE, ACQUAINT HIMSELF WITH EXISTING CONDITIONS AND INCLUDE ALL NECESSARY COSTS TO COMPLETE THE INSTALLATION.
3.	E.C. TO FURNISH AND PAY FOR ALL PERMITS AS REQUIRED AND OBTAIN FINAL CERTIFICATE OF INSPECTION.
4.	CATALOG NUMBERS ARE MEANT TO INDICATE TYPE DESIRED AND MAY BE SUBSTITUTED WITH AN APPROVED EQUAL DEVICE. "APPROVED EQUAL" MUST BE SUBMITTED TO THE ENGINEER FOR WRITTEN APPROVAL PRIOR TO INSTALLATION IN THE FIELD.
5.	WORK MUST BE COORDINATED WITH ALL OTHER TRADES TO ELIMINATE CONFLICTS AND INTERFERENCES.
6.	E.C. MUST PROVIDE PROPER "FIRE STOPPING" AT ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES. SUBMIT EXACT MATERIALS AND METHODS TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION, NO EXCEPTIONS TAKEN.
7.	CONTROL WIRING FOR HVAC UNITS (OTHER THAN LOW VOLTAGE POWER SUPPLY WIRING) SHALL BE DONE BY HVAC CONTRACTOR.
8.	CONDUIT AND WIRE ON POWER AND LIGHTING PLANTS IS NOT SHOWN EXCEPT FOR HOMERUNS. CONTRACTOR SHALL PROVIDE ALL NECESSARY CONDUIT, BOXES, PULL BOXES, WIRING, SWITCHES AND ACCESSORIES TO INTERCONNECT THE ELECTRICAL ITEM FOR CIRCUITING AND HOMERUNS INDICATED SYMBOLICALLY ON THE DRAWINGS. SEE LEGEND-HOMERUNS DESIGNATION FOR SYMBOLS APPLICABLE TO ALL SYMBOLS SHOWN.
9.	UON ON PLANS AND SECTIONS, ALL HEAVY LINES ARE NEW EQUIPMENT CONDUIT, WIRING, ETC. ALL LIGHT LINES ARE EQUIPMENT CONDUIT, WIRING, ETC. OTHERS.
10.	E.C. MUST INCLUDE IN HIS PRICE COORDINATION OF POWER Poles FOR POWER AND VOICEDATA AND WALL "IN-FIRE" BOXES AND "WHIRP" (SEE SITE OR EQUAL) TO PROVIDE ALL WALL BOXES FOR POWER & VOICEDATA, E.C. MUST PROVIDE POWER WHIP, EMPTY VOICEDATA RACEWAYS WITH DRAG LINES, AND FINAL POWER CONNECTIONS TO FURNITURE SYSTEMS. FINAL COORDINATION WITH FURNITURE VENDOR IS THE RESPONSIBILITY OF THE E.C.
11.	E.C. MUST INCLUDE IN HIS PRICE ALL MATERIAL AND LABOR FOR TEMPORARY POWER AND LIGHTING FOR ALL TRADES DURING DEMOLITION IF APPLICABLE & CONSTRUCTION.

<b>DEMOLITION LEGEND</b>	
E	EXISTING ITEM TO REMAIN
X	EXISTING ITEM TO BE DEMOLISHED
XR	EXISTING ITEM TO BE RELOCATED
XR	EXISTING ITEM TO BE RELOCATED TO NEW LOCATION
---	NEW LINE TYPE
---	EXISTING LINE TYPE
---	DEMOLITION LINE TYPE

<b>NOTES</b>	
1.	ALL WIRING DEVICES, JUNCTION BOXES, EQUIPMENT AND ASSOCIATED BRANCH CIRCUITRY SHOWN WITH A LIGHTWEIGHT LINE ARE EXISTING - SHALL REMAIN AND BE MAINTAINED.
2.	ALL WIRING DEVICES, JUNCTION BOXES, EQUIPMENT AND ASSOCIATED BRANCH CIRCUITRY SHOWN WITH A DOTTED LINE SHALL BE REMOVED.
3.	ALL WIRING DEVICES, JUNCTION BOXES, EQUIPMENT AND ASSOCIATED BRANCH CIRCUITRY SHOWN WITH A HEAVYWEIGHT LINE IS NEW EXISTING TO BE RELOCATED, AND/OR EXTENDED PORTIONS OF EXISTING BRANCH CIRCUITRY INDICATED.

<b>LIGHTING SYMBOLS</b>	
IDENTIFIER	DESCRIPTION
	CEILING OUTLET AND 2x4 LED LIGHTING FIXTURE TYPE "1" CONTROLLED BY SWITCH "1" AND CONNECTED TO CIRCUIT NUMBER "2".
	CEILING OUTLET AND 2x2 LED LIGHTING FIXTURE
	CEILING OUTLET AND 1x4 LED LIGHTING FIXTURE
	LED CHANNEL STRIP LIGHT, SUSPENDED, CHAIN-HUNG
	CEILING OUTLET AND INCANDESCENT / H.I.D. / LED LIGHT FIXTURE
	WALL OUTLET AND INCANDESCENT / H.I.D. / LED LIGHT FIXTURE
	CEILING PENDANT
	WALL SCONCE
	EMERGENCY (LIFE SAFETY) LIGHTING FIXTURE "NL" DENOTES NIGHT LIGHT "EM" DENOTES BATTERY PACK
	EXT LIGHT FIXTURE, CEILING AND WALL MOUNT RESPECTIVELY, SHADING INDICATED DIRECTION OF FACE(S), DIRECTIONAL ARROWS AS INDICATED ON PLANS
	EMERGENCY WALL PACK
	■ = SINGLE POLE, 20 AMP, TOGGLE SWITCH CONTROLLING LIGHTS "1"
	2 = DOUBLE POLE
	3 = THREE-WAY SWITCH (20 AMP)
	4 = FOUR-WAY SWITCH (20 AMP)
	D = DIMMER SWITCH
	L = LOW VOLTAGE
	K = KEYPAD SWITCH
	M = MANUAL MOTOR SWITCH (THERMAL OVERLOAD)
	MC = MOMENTARY CONTACT SWITCH
	P = TOGGLE SWITCH WITH PILOT LIGHT (20 AMP)
	T = TIMER OPERATED SWITCH
	□ □ = WALL MOUNTED OCCUPANCY SENSOR SWITCH
	□ □ = CEILING MOUNTED OCCUPANCY SENSOR
	□ □ = CEILING MOUNTED VACANCY SENSOR
	□ □ = TWO BUTTON DIMMER SWITCH
	□ □ = SCENE CONTROLLER
	□ □ = ROOM MANAGER
<b>FIXTURE TYPE IDENTIFICATION KEY</b>	
	L, R, 2 = SEQUENTIAL NUMERICAL INDICATOR
	□ = MOUNTING TYPE R - RECESSED      T - TRACK S - SURFACE      P - PENDANT W - WALL
	□ = LAMP TYPE L - LED      F - FLOURESCENT H - HID      I - INCANDESCENT

THIS SHEET IS A GENERAL LIST OF SYMBOLS AND ABBREVIATIONS ARE FOR REFERENCE ONLY AND SHALL BE USED AS A DICTIONARY TO DEFINE ITEMS INDICATED ON DRAWINGS. SYMBOL LEGEND IS SHOWN FOR GENERAL REFERENCE ONLY. THE PRESENCE OF A SYMBOL ON THIS LEGEND DOES NOT IMPLY ITS USE ON THIS PROJECT. REFER TO DRAWINGS FOR SPECIFIC SYMBOLS USED.

<b>SCOPE OF WORK:</b>	
1.	THE DEMOLITION SCOPE OF WORK IS A COMPLETE ELECTRICAL DEMOLITION OF ALL WIRING AND EQUIPMENT WITHIN THE BUILDING. THE EXISTING UTILITY CONDUITS ARE TO REMAIN.
2.	THE NEW SCOPE OF WORK IS A NEW ELECTRICAL SERVICE AND DISTRIBUTION SYSTEM, A NEW FIRE ALARM SYSTEM AND LIGHTING SYSTEM, NEW LIGHTING FIXTURES AND CONTROLS, RECEPTACLES, POWER TO EQUIPMENT AND FIRE ALARM DEVICES.

NOTE: THIS SCOPE OF WORK DESCRIPTION IS PROVIDED TO GIVE AN OVERALL "MACRO" DESCRIPTION OF THIS PROJECT. CONTRACTOR IS RESPONSIBLE TO REVIEW ALL ENGINEERING AND ARCHITECTURAL DRAWINGS AND VISIT THE SITE IF NEEDED, PRIOR TO SUBMISSION OF BID. REFER TO SPECIFICATIONS FOR FURTHER SCOPE OF WORK. IF CONFLICTS ARISE, CONTACT DESIGN ENGINEER BEFORE FABRICATION.

TOWN OF WAYLAND

8 ANDREW AVENUE.  
WAYLAND, MA 01778

SELECTIVE INTERIOR  
DEMOLITION



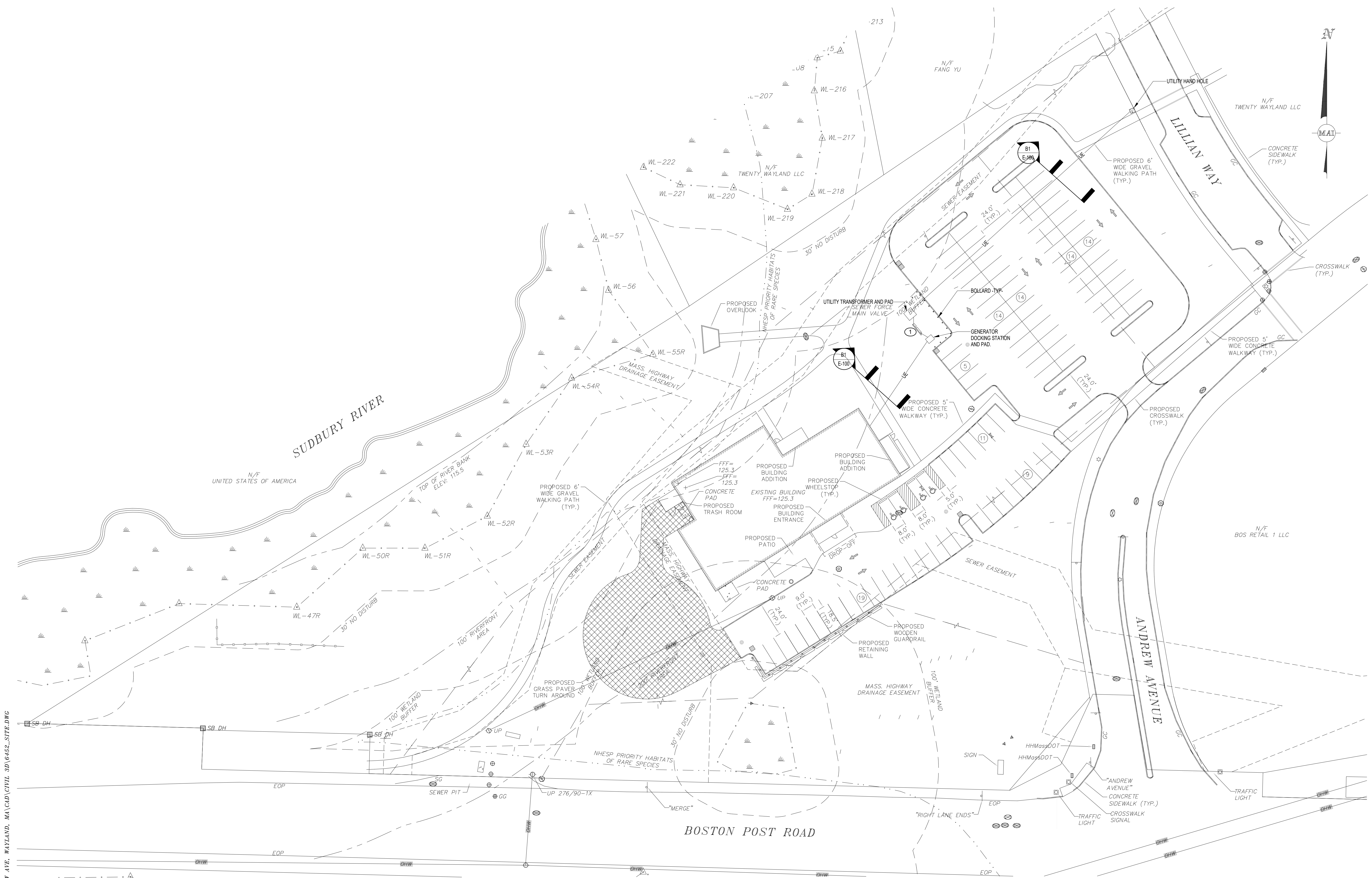
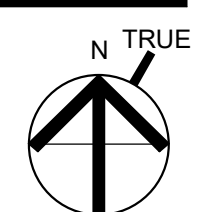
ARCHITECTURE ■ BOSTON  
PLANNING 529 MAIN STREET, SUITE 3303  
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CONSULTANT:

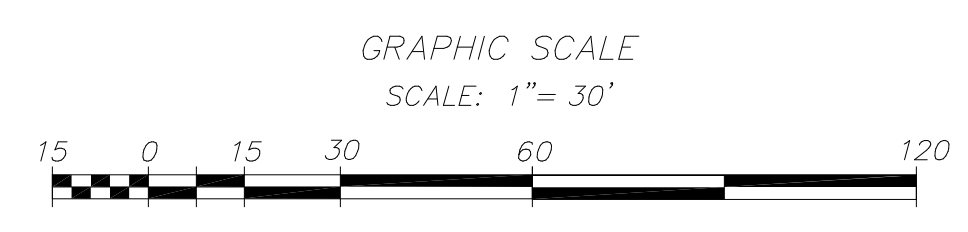
ISSUE/REVISION:

NO.	DATE	DESCRIPTION
1	08/31/2022	BID SET
2	10/12/2022	50% CD
3	11/15/2022	95% CD

KEY PLAN:



ALL UNDERGROUND UTILITY DATA REPRESENTS RECORD INFORMATION RECOVERED THROUGH RESEARCH WITHOUT SURFACE DEMARICATION NOR SUBSURFACE VERIFICATION



**GENERAL NOTES:**

- COORDINATE ALL REQUIREMENTS WITH UTILITY COMPANY. COORDINATE WITH UTILITY FOR OIL CONTAINMENT REQUIREMENT FOR TRANSFORMER PAD.
- ALL UNDERGROUND CONDUITS SHALL TRANSITION TO RIGID CONDUITS UNDERGROUND AND BE RIGID ABOVE GROUND.

**NUMBERED NOTES:**

- 800A FUSED DISCONNECT, CT CABINET WITH METER MOUNTED ON WEATHERPROOF SUPPORT WITH CONCRETE PAD. COORDINATE ALL REQUIREMENTS WITH UTILITY.

DRAWING TITLE:  
ELECTRICAL SITE PLAN

DRAWN BY: JMH	SEAL:
CHECKED BY: RDJ	
SCALE: 1" = 30'-0"	
PROJECT NO.: 21-125-2125.04	

DRAWING NO.:  
E-100

PROJECT LOCATION:  
808 300/21st Street W. Wayland On Call TALK ORDER #21-125-2125.04 - Wayland Senior Center - Elec.rvt  
DATE & TIME PRINTED: 11/15/2022 3:53:30 PM

P:\0622\_10 ANDREW AVE. WAYLAND, MA\CAD\DWG\20\06422\_SITE.EPC

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WAYLAND, MA 01778

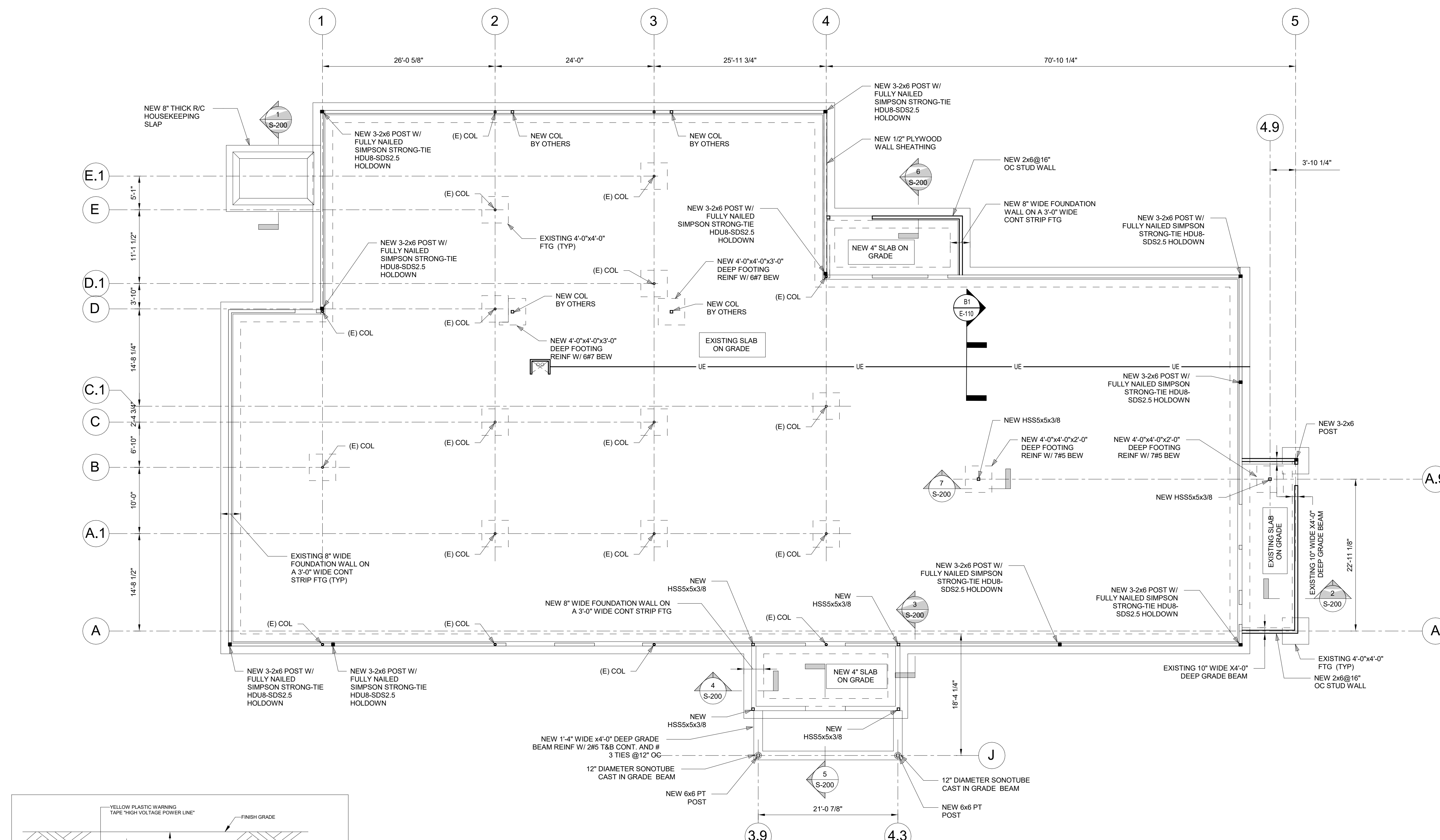
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DEMOLITION

**DAI** **DIGIORGIO ASSOCIATES INCORPORATED**  
A LiRo Group Company

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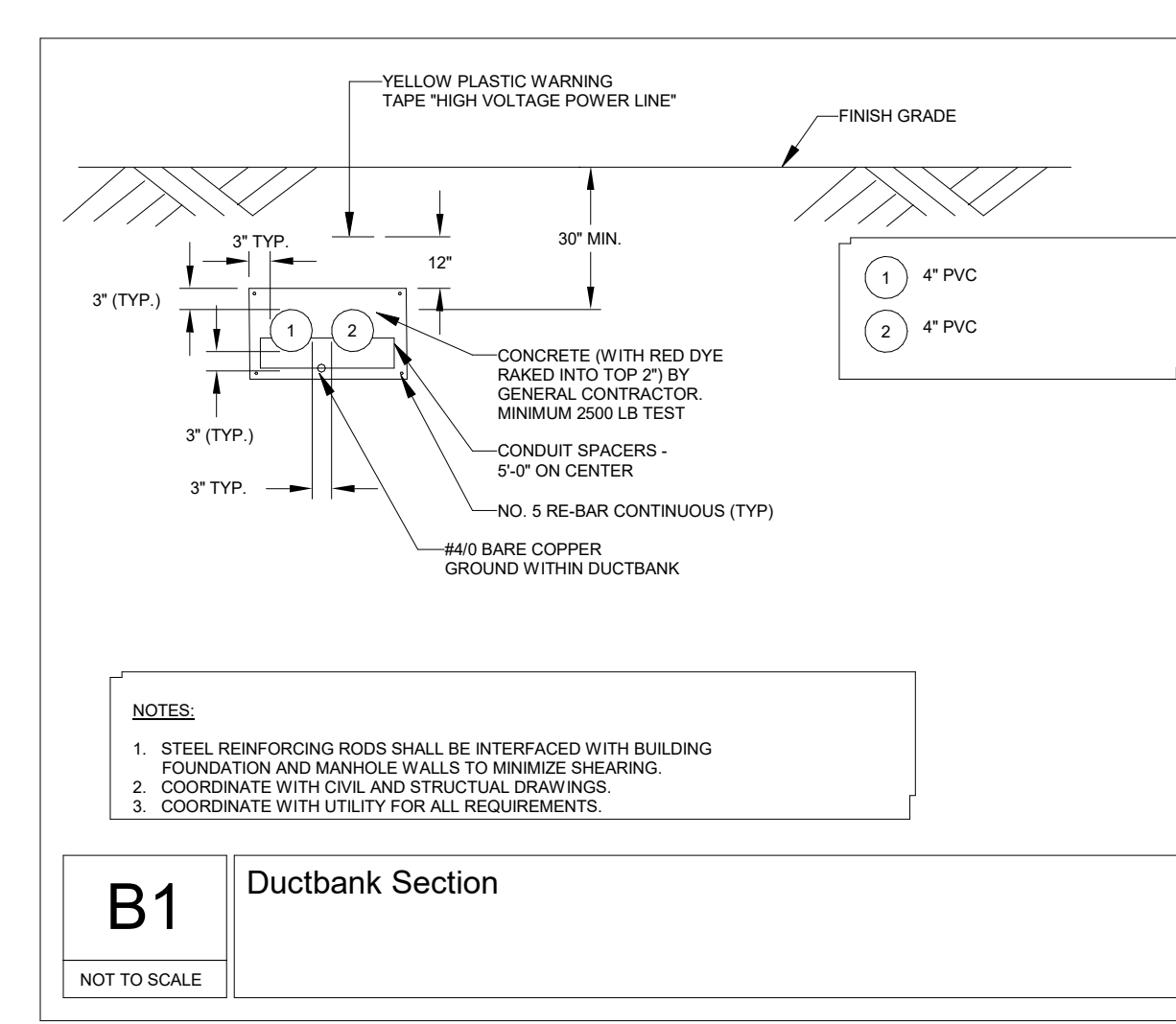
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CONSULTANT:



ISSUE/REVISION:

NO.	DATE:	DESCRIPTION:
1	08/31/2022	BID SET
2	10/12/2022	50% CD
3	11/15/2022	95% CD



DRAWING TITLE:  
ELECTRICAL SITE ENLARGED  
PLAN

DRAWN BY: Author	SEAL:
CHECKED BY: Checker	
SCALE: As indicated	
PROJECT NO.: 21-125-2125.04	
DRAWING NO.:	<b>E-110</b>

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SELECTIVE INTERIOR  
DEMOLITION



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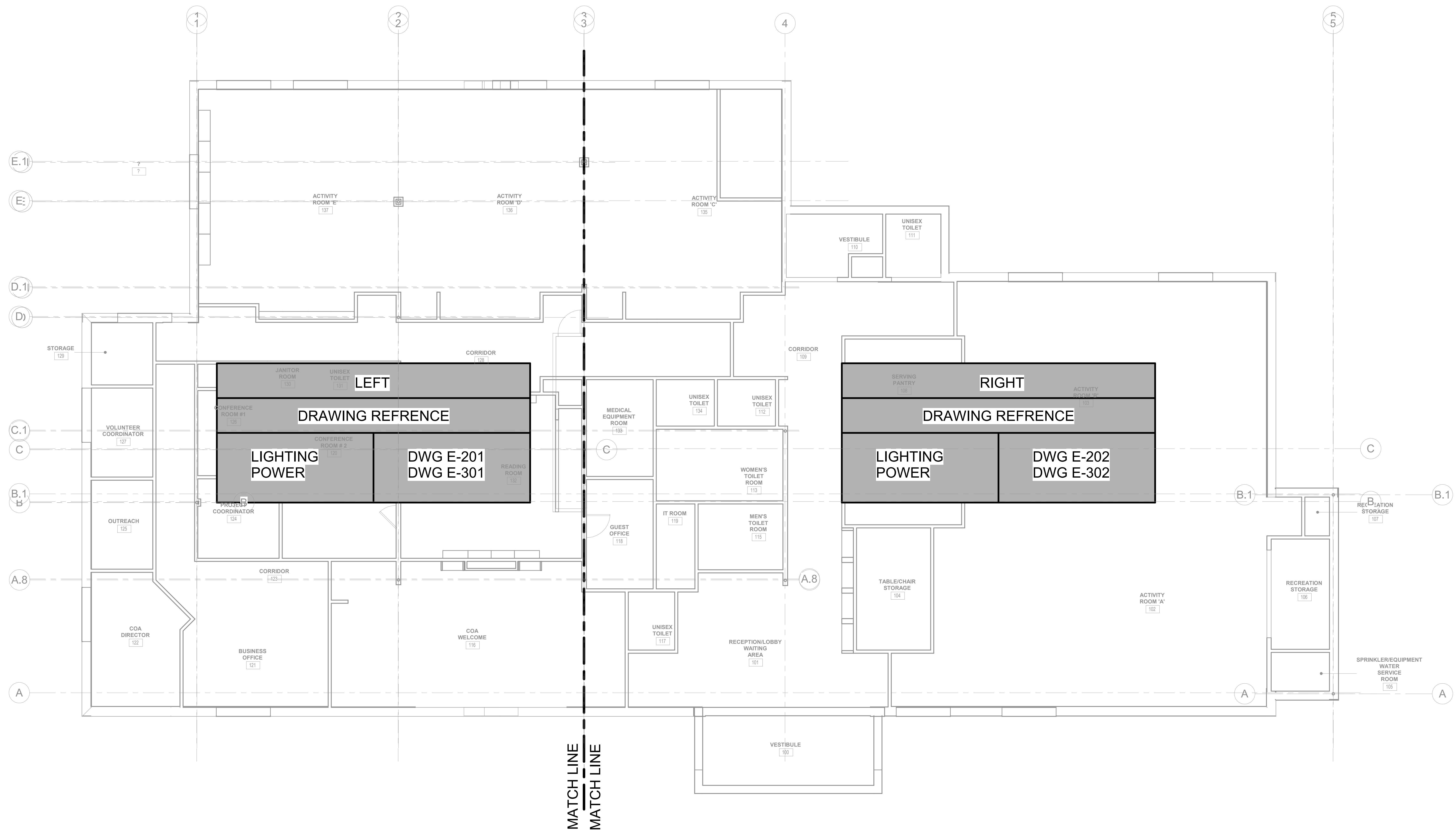
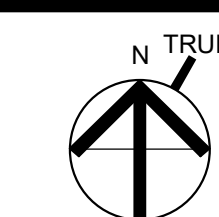
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CONSULTANT:

ISSUE/REVISION:

NO.	DATE	DESCRIPTION
1	08/31/2022	BID SET
2	10/12/2022	50% CD
3	11/15/2022	95% CD

KEY PLAN:



DRAWING TITLE:  
ELECTRICAL FIRST FLOOR  
PLAN

DRAWN BY: JMH	SEAL:
CHECKED BY: RDM	
SCALE: 3/16" = 1'-0"	
PROJECT NO.: 21-125-2125.04	
DRAWING NO.:	<b>E-150</b>

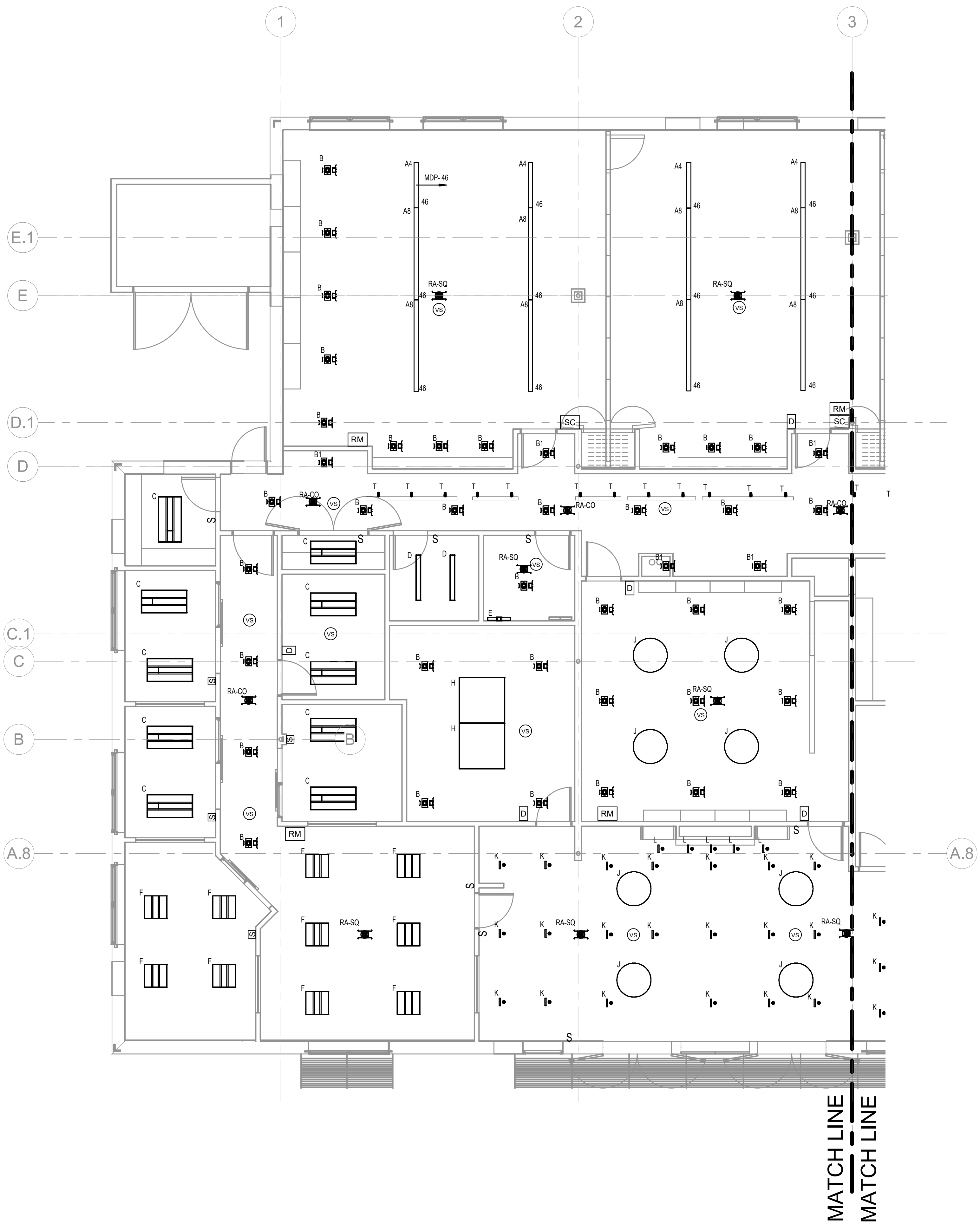


GENERAL NOTES:

- 1. THE ELECTRICAL CONTRACTOR SHALL FURNISH ALL LIGHTING FIXTURES COMPLETE WITH MOUNTING ACCESSORIES TO MEET JOB REQUIREMENTS.
- 2. THE ELECTRICAL CONTRACTOR SHALL VERIFY FIXTURE MOUNTING AND LOCATION AGAINST PLANS, ELEVATIONS AND DETAIL DRAWINGS. EXACT LOCATION OF ALL FIXTURES SHALL BE CONFIRMED WITH THE ARCHITECT PRIOR TO ROUGHING IN.
- 3. SERIES FIXTURES SHALL SATISFY LENGTHS AS SHOWN ON THE DRAWINGS.
- 4. FIXTURE LETTERS SHOWN ON A CONTINUOUS ROW OF FIXTURES SHALL BE TYPICAL FOR THAT ROW UNLESS OTHERWISE NOTED.
- 5. ALL FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE, INDEPENDENT OF HUNG CEILINGS.
- 6. ALL LED FIXTURES ARE TO BE STANDARD COOL WHITE COLOR, 4100K UNLESS OTHERWISE SPECIFIED.
- 7. ALL FEEDER AND BRANCH CIRCUIT WIRING SHALL COMPLY WITH THE LATEST ADOPTED ADDITION OF THE NEC.

NUMBERED NOTES:

- 1. Stair lighting fixtures shown on sheet 210 (fixture "S") mounting height will be 7'8" above tread. One fixture will be located at the bottom of the stair, one will be located in the middle and one will be located at the top of the stair.
- 2. Coordinate lighting fixture finishes with architect
- 3. Room managers (RM) will be installed above ceiling



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SELECTIVE INTERIOR  
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INTERIOR DESIGN

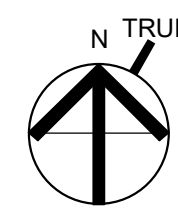
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FAX: 207.582.8320

CONSULTANT:

ISSUE/REVISION:

NO.	DATE	DESCRIPTION
1	08/31/2022	BID SET
2	10/12/2022	50% CD
3	11/15/2022	90% CD

KEY PLAN:



Label	Manufacturer	Model Part Number	Alternate 1	Alternate 2	Voltage	Fixture Wattage	Lamp Type	Mounting Type	Description
AB	Lux Fluoromare	DELTA 07L-0-3-1-80-050-0-8-2-1-00V-01-W-01-24-WP	Deliana # 07L-0-3-1-80-050-0-8-2-1-00V-01-W-01-24-WP	LED Inductor # 11138800-0-8-240-0-0-0	UNIVERSAL	35.5	LED	Pendant	8" Direct/hybrid Pendant
AD	Lux Fluoromare	DELTA 07L-0-3-1-80-050-0-8-2-1-00V-01-W-01-24-WP	Deliana # 07L-0-3-1-80-050-0-8-2-1-00V-01-W-01-24-WP	LED Inductor # 1138800-0-8-240-0-0-0	UNIVERSAL	35.5	LED	Pendant	4" Direct/hybrid Pendant
B	Vantage Lighting	Vantage # ADVXL5DU-07-35K-L4000-SCL-SDM	Packforce # 40LD-2D-DMVLY-35K-80-54-TRW-120	None # N40-48NOC-35K-WW	UNIVERSAL	30.5	LED	Recessed	4" Round, open, recessed LED-downlight
B1	Vantage Lighting	Vantage # ADVXL5DU-07-35K-L4000-SCL-SDM	Packforce # 40LD-2D-DMVLY-35K-80-54-TRW-120	None # N40-48NOC-35K-WW	UNIVERSAL	8.88	LED	Recessed	4" Round, open, recessed LED-downlight
C	Savite	Savite # C-241-PY20W-DMV-35K	Mobarn # RDSE-24-LED-30-DMV-FR-35	None # NPTFCB-24L60-35-AW	UNIVERSAL	30	LED	Recessed	24"LED LED volumetric recessed luminaire
D	Savite	Savite # C-241-PY20W-DMV-35K	None # NALSTR-41133AW	Mobarn # 4448-LED-20-DMV-FR-35	UNIVERSAL	20	LED	Surface	24" LED open and lensed strip
E	Teron Lighting	Teron # C275-L17-D19V-35K	LED Inductor # 113245A-08	Quanta # F163-1	UNIVERSAL	17	LED	Wall Mounted	Wall mounted LED light fixture
F	Soliss	Soliss # SP-28-1P2-DMV-35K	Mobarn # RDSE-24-LED-30-DMV-FR-35	None # NPTFCB-24-30-AW	UNIVERSAL	25	LED	Recessed	24" LED volumetric recessed luminaire
G	Chandelion Lighting	Chandelion # CD-24-1P-016-3A23S-35K-0	Gross Chandelier # GJ-3740-L155-A	Teron # HPAFL-12-5-2E-UVV-35K	UNIVERSAL	34	LED	Surface	Acrylic fabric double drum PROGRAMMED DRIVER TO 70% TOTAL OUTPUT
H	Savite	Savite # SEC-204-48N48-LP-44-DMV-TBD-35K	Gross Chandelier # GJ-3740-L155-A	Mobarn # GSB-504-48N48-88-DMV-35K	UNIVERSAL	44	LED	Surface	48"LED LED-shadblow/PROGRAMMED DRIVER TO 5000LM, 50W
J	Chandelion Lighting	Chandelion # CD-36-5-L-016-4032A-35K-0	Gross Chandelier # GJ-3740-L155-A	Teron # HPAFL-12-5-2E-UVV-35K	UNIVERSAL	40	LED	Surface	Acrylic fabric double drum
K	Vantage Lighting	Vantage # V3CDK-07-35K-L2040-SSE-W-WHT-NEZAG-SDM	None # NCR-24NOC-35K-WW	Lumen Warm # LWSE-36-1W-80-RT-MWH-RT-R8-MWH-36-35K-6W-P20-ACS-212V	UNIVERSAL	7.6	LED	Recessed	Recessed letter round
L	Vantage Lighting	Vantage # V3CDK-07-35K-L2040-SSE-W-WHT-NEZAG-SDM	None # NCR-24NOC-35K-WW	Lumen Warm # LWSE-36-1W-80-RT-MWH-RT-R8-MWH-36-35K-6W-P20-ACS-212V	UNIVERSAL	7.6	LED	Recessed	Recessed letter round-shallow housing
M	Deliana Energy	Deliana # DTL-10-1.8-2P7-500-80-35K-FR-WH-AC-DMV07P-1-1-N-W-TBD-W	Lumina LED # M320-24-W-35	Lux Fluoromare # ESD-330-P-DMM-500-2-35K-0-UVV-53-PC-24	UNIVERSAL	10	LED	Surface	Architectural luminaire
N	Soliss	Soliss # SP-28-1P2-DMV-35K	None # RDSE-24-LED-30-DMV-FR-35	Signa Continues # SP-24-45W-3500K	UNIVERSAL	38	LED	Surface	LED wall kit in Berg-paint
S	Soliss	Soliss # SLS-2-NP-8-35-L300-PW-1	Deliana # DP-2-20-80-35K-1-FR-WH-TM-0H-DM-2P-ECO	Lumina LED # TL10-L18-M-RA-35-RPO-DM	UNIVERSAL	30	LED	Wall Mounted	2" wall mounted ceiling light
T	Soliss	Soliss # SLS-2-NP-8-35-L300-PW-1	None # NTE-856-L1-M-934-W	Quanta # T611-Q2-35-30-30-WH	UNIVERSAL	36.3	LED	Track Head	2.5" trackhead
TE	Soliss	Soliss # SP-07M	None # NT-30PWA	Quanta # T512-08-0-1	UNIVERSAL	2400	-	Track	8" track, 2400 max W
TB	Soliss	Soliss # SP-07M	None # NT-30PWA	Quanta # T512-08-0-1	UNIVERSAL	2400	-	Track	6" track, 2400 max W
TA	Soliss	Soliss # SP-07M	None # NT-30PWA	Quanta # T512-04-0-1	UNIVERSAL	2400	-	Track	4" track, 2400 max W
RA-CO	Emergency-Lite	Emergency-Lite # W-RA	Chappa # REM-W-50P	Lightstorm # RP-W	UNIVERSAL	6.04	LED	Recessed	Emergency lighting
RA-SQ	Emergency-Lite	Emergency-Lite # W-RA-SQ	Chappa # REM-W-50P	Lightstorm # RP-W-SQ	UNIVERSAL	6.04	LED	Recessed	Emergency lighting; square distribution pattern

DRAWING TITLE:  
ELECTRICAL FIRST FLOOR  
LIGHTING PLAN-LEFT

DRAWN BY:  
JMH

CHECKED BY:  
RDM

SCALE:  
As indicated

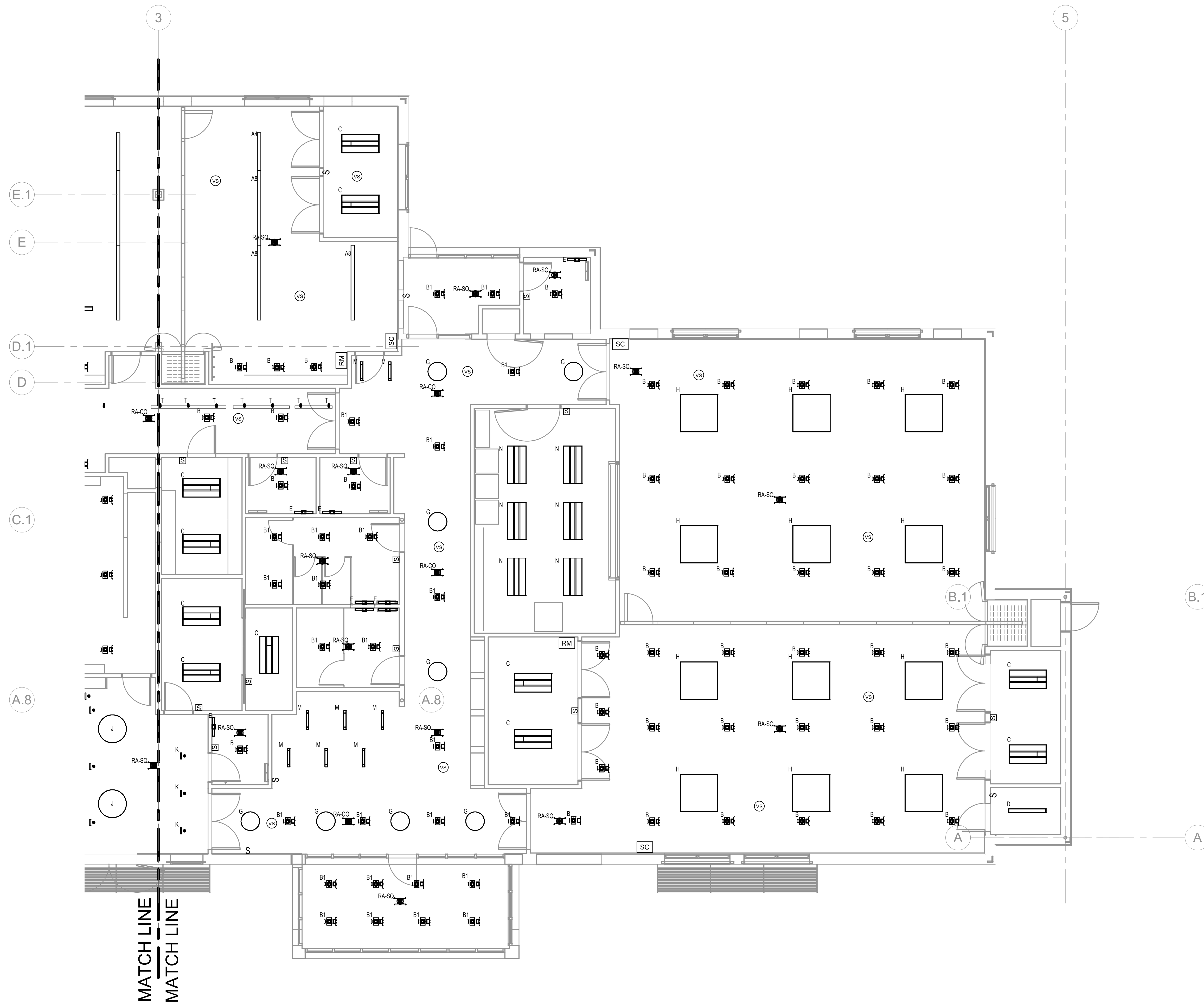
PROJECT NO.:  
21-125-2125.04

DRAWING NO.:

E-201

PROJECT LOCATION:  
818 100/27500 of Wayland On Call TASK ORDER #21-125-2125.04 - Wayland Senior Center - Electr

GATE & TIME PRINTED: 11/15/2022 3:53:14 PM



**GENERAL NOTES:**

1. THE ELECTRICAL CONTRACTOR SHALL FURNISH ALL LIGHTING FIXTURES COMPLETE WITH MOUNTING ACCESSORIES TO MEET JOB REQUIREMENTS.
2. THE ELECTRICAL CONTRACTOR SHALL VERIFY FIXTURE MOUNTING AND LOCATION AGAINST PLANS, ELEVATIONS AND DETAIL DRAWINGS. EXACT LOCATION OF ALL FIXTURES SHALL BE CONFIRMED WITH THE ARCHITECT PRIOR TO ROUGHING IN.
3. SERIES FIXTURES SHALL SATISFY LENGTHS AS SHOWN ON THE DRAWINGS.
4. FIXTURE LETTERS SHOWN ON A CONTINUOUS ROW OF FIXTURES SHALL BE TYPICAL FOR THAT ROW UNLESS OTHERWISE NOTED.
5. ALL FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE, INDEPENDENT OF HUNG CEILINGS.
6. ALL LED FIXTURES ARE TO BE STANDARD COOL WHITE COLOR, 4100K UNLESS OTHERWISE SPECIFIED.
7. ALL FEEDER AND BRANCH CIRCUIT WIRING SHALL COMPLY WITH THE LATEST ADOPTED ADDITION OF THE NEC.

**NUMBERED NOTES:**

- ① Stair lighting fixtures shown on sheet 210 (fixture "S") mounting height will be 7'6" above tread. One fixture will be located at the bottom of the stair, one will be located in the middle and one will be located at the top of the stair.
- ② Coordinate lighting fixture finishes with architect
- ③ Room managers (RM) will be installed above ceiling

TOWN OF WAYLAND

8 ANDREW AVENUE,  
WAYLAND, MA 01778

SELECTIVE INTERIOR  
DEMOLITION

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INTERIOR DESIGN  
ENGINEERING ■ PORTLAND  
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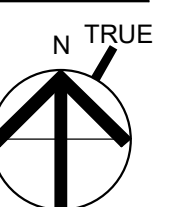
CONSULTANT:

10/05/2022 50% CD SET

**ISSUE/REVISION:**

NO.	DATE	DESCRIPTION
1	08/31/2022	BID SET
2	10/12/2022	50% CD
3	11/15/2022	99% CD

KEY PLAN:



Label	Manufacturer	Model Part Number	Alternate 1	Alternate 2	Voltage	Fixture Wattage	Light Type	Mounting Type	Description
AB	Lux Luminaire	Lux Luminaire # ARX4.P.DI.375.375.8.35K.0.2 UNV.51.W.9C.24.WF	Delvo # DTI.8.3.5.3.80.35K.U.FR.AC.5.WIRE.N.ARCH.5Q	LED Industries # LI-18800UD.8.5AW.31.2	UNIVERSAL	23.3	LED	Pendant	8" Direct/Indirect Pendant
AA	Lux Luminaire	Lux Luminaire # ARX4.P.DI.375.375.4.35K.0.2 UNV.51.W.9C.24.WF	Delvo # DTI.8.3.5.3.80.35K.U.FR.AC.5.WIRE.N.ARCH.5Q	LED Industries # LI-18800UD.8.5AW.31.2	UNIVERSAL	23.3	LED	Pendant	8" Direct/Indirect Pendant
B	Vintage Lighting	Vintage # ANVDF150.15.35K.4.4000.1C1.20M	Reestree # ACRO.20.DM.V1.35K.40.5H.19W.120	Nora # NRO-4800C.35K.WW	UNIVERSAL	20.5	LED	Recessed	4" Round, open, recessed LED downlight
B1	Sayre	Sayre # ANVDF150.15.35K.4.4000.1C1.20M	Reestree # ACRO.20.DM.V1.35K.40.5H.19W.120	Nora # NRO-4800C.35K.WW	UNIVERSAL	8.88	LED	Recessed	4" Round, open, recessed LED downlight
C	Sayre	Sayre # C24.24L.24V.20W.40V.35K	Modern # R03C.24.40.20W.40V.35K	Nora # NRO-24.40.20W.40V.35K	UNIVERSAL	30	LED	Recessed	24" Wx 24" LED volumetric recessed luminaire
D	Sayre	Sayre # C24L.PR.V20W.40V.35K	Nora # NRO-24.40.20W.40V.35K	Modern # R44.44.44.44.20.40V.35K	UNIVERSAL	20	LED	Surface	24" LED open and louvered strip
E	Teron Lighting	Teron # CDT1.17.0 UNV.0N.35K	LED Industries # LI-41294A.CK	Quanta # Q18.2.3	UNIVERSAL	17	LED	Wall Mounted	Wall mounted LED light fixture
F	Sayre	Sayre # CDF.231.V25.0M.V.35K	Modern # R03E.22.44.25.0M.V.35K	Nora # NRO-22.44.25.0M.V.35K	UNIVERSAL	25	LED	Recessed	24" x 24" LED volumetric recessed luminaire
G	Charmelon Lighting	Charmelon # FD.24.5.1.514.34A24.35K.9	Gross Chandellier # GL.3742.1L5.4	Teron # TROK.137.5.2E UNV.35K	UNIVERSAL	34	LED	Surface	Acrylic fabric double drum PROGRAMMED DRIVER TO 70% TOTAL OUTPUT
H	Sayre	Sayre # SMC.5M.48X48.LP.44.0M.V.TBD.35K	Gross Chandellier # GL.3735.1L5.A	Modern # R03.5M.48X48.48.0M.V.35K	UNIVERSAL	44	LED	Surface	48" Wx 48" LED double drum PROGRAMMED DRIVER TO 5000LM, 10W
J	Charmelon Lighting	Charmelon # FD.36.5.1.514.4024.35K.9	Gross Chandellier # GL.3744.1L5.A	Teron # TROK.137.5.2E UNV.35K	UNIVERSAL	40	LED	Surface	Acrylic fabric double drum
K	Vantage Lighting	Vantage # V200M.07.20K.1200K.SG.01.1811.162X40.5DM	Nora # NRO-24.40.20W.40V.35K	Lumen Warm # LW.36.48.36.48.16W.35K.4M.PD0.ACS.210V	UNIVERSAL	7.9	LED	Recessed	Recessed linear round
L	Vantage Lighting	Vantage # V200M.07.20K.1200K.SG.01.1811.162X40.5DM	Nora # NRO-24.40.20W.40V.35K	Lumen Warm # LW.36.48.36.48.16W.35K.4M.PD0.ACS.210V	UNIVERSAL	7.6	LED	Recessed	Recessed linear round shallow housing
M	Delvo Energy	Delvo # DTI.3.18.27F.000.80.35K.U.FR.WH.AC.DMDF.N.1.4.N.4W.TBD.W	Lumen # NLS0.36.18.35	Lux Ruvynaire # R03.3.0.P.0.4M.000.2.35K.0. UNV.61.9C.24	UNIVERSAL	30	LED	Surface	Architectural luminaire
N	Sayre	Sayre # BFP.24L.40M.4000.0M.V.MCT	Nora # NROBLW.24.35	Sigma Luminous # DPS.24.8.40W.3500K	UNIVERSAL	30	LED	Surface	LED back lit flat panel
S	Solas	Solas # INEL.2.8.18.4.PW.LUV	Delvo # ZP.2.20.80.35K.U.FR.WH.FM.NR.20P.ECD	Lunar LED # DLN.24.8.18.35.HFO.EM	UNIVERSAL	20	LED	Wall Mounted	2" wall mounted starwired light
T	Solas	Solas # L1C.2.NFL.8.35.1200.PW.1	Nora # NTE.85K.L1.4M.584.W	Quanta # TL11.02.35.08.30.WH	UNIVERSAL	16.3	LED	Track Head	2.5" trackhead
TB	Solas	Solas # B50WH	Nora # NTE.300MA	Quanta # T503.08.6.1	UNIVERSAL	2400	-	Track	8" track, 2400 max W
TB	Solas	Solas # B50WH	Nora # NTE.300WH	Quanta # T503.06.6.1	UNIVERSAL	2400	-	Track	8" track, 2400 max W
TZ	Solas	Solas # A20WH	Nora # NTE.300W	Quanta # T503.04.6.1	UNIVERSAL	2400	-	Track	4" track, 2400 max W
RA.CO	Emergency Lite	Emergency Lite # W.RA	Utopia # REM.W.10T	Lightstorm # RFP.W	UNIVERSAL	6.04	LED	Recessed	Emergency lighting
RA.SQ	Emergency Lite	Emergency Lite # W.RA.SQ	Utopia # REM.W.10T	Lightstorm # RP.W.SQ	UNIVERSAL	6.04	LED	Recessed	Emergency lighting square distribution pattern

DRAWING TITLE:  
ELECTRICAL FIRST FLOOR  
LIGHTING PLAN-RIGHT

DRAWN BY:  
JMH

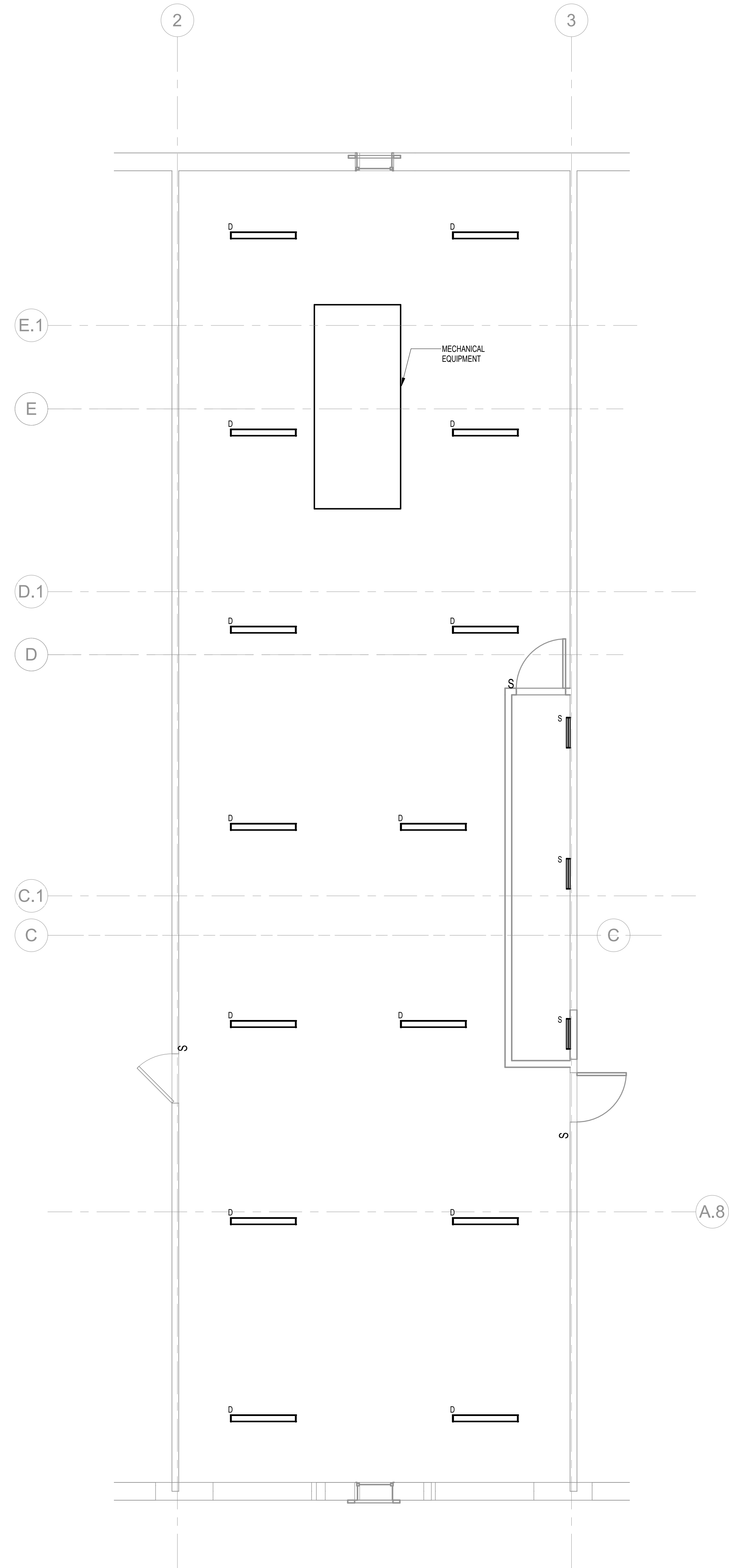
CHECKED BY:  
RDM

SEAL:

SCALE:  
As indicated

PROJECT NO.:  
21-125-2125.04

DRAWING NO.:  
E-202



**GENERAL NOTES:**

1. THE ELECTRICAL CONTRACTOR SHALL FURNISH ALL LIGHTING FIXTURES COMPLETE WITH MOUNTING ACCESSORIES TO MEET JOB REQUIREMENTS.
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**NUMBERED NOTES:**

- ① Stair lighting fixtures shown on sheet 210 (fixture "S") mounting height will be 7'6" above tread. One fixture will be located at the bottom of the stair, one will be located in the middle and one will be located at the top of the stair.
- ② Coordinate lighting fixture finishes with architect

TOWN OF WAYLAND

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WAYLAND, MA 01778

**SELECTIVE INTERIOR  
DEMOLITION**

**DAI DiGIORGIO ASSOCIATES INCORPORATED**  
A LiRo Group Company

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■ PORTLAND  
500 WASHINGTON AVE  
PORTLAND, ME 04103  
TEL: 207.582.2400  
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CONSULTANT:

**ISSUE/REVISION:**

NO:	DATE:	DESCRIPTION:
1	08/31/2022	BID SET
2	10/12/2022	50% CD
3	11/15/2022	99% CD



**DRAWING TITLE:**  
ELECTRICAL MEZZANINE  
LIGHTING PLAN

DRAWN BY: JMH  
CHECKED BY: RDJ  
SCALE: 1/4" = 1'-0"  
PROJECT NO.: 21-125-2125.04

SEAL:

DRAWING NO.:  
**E-210**

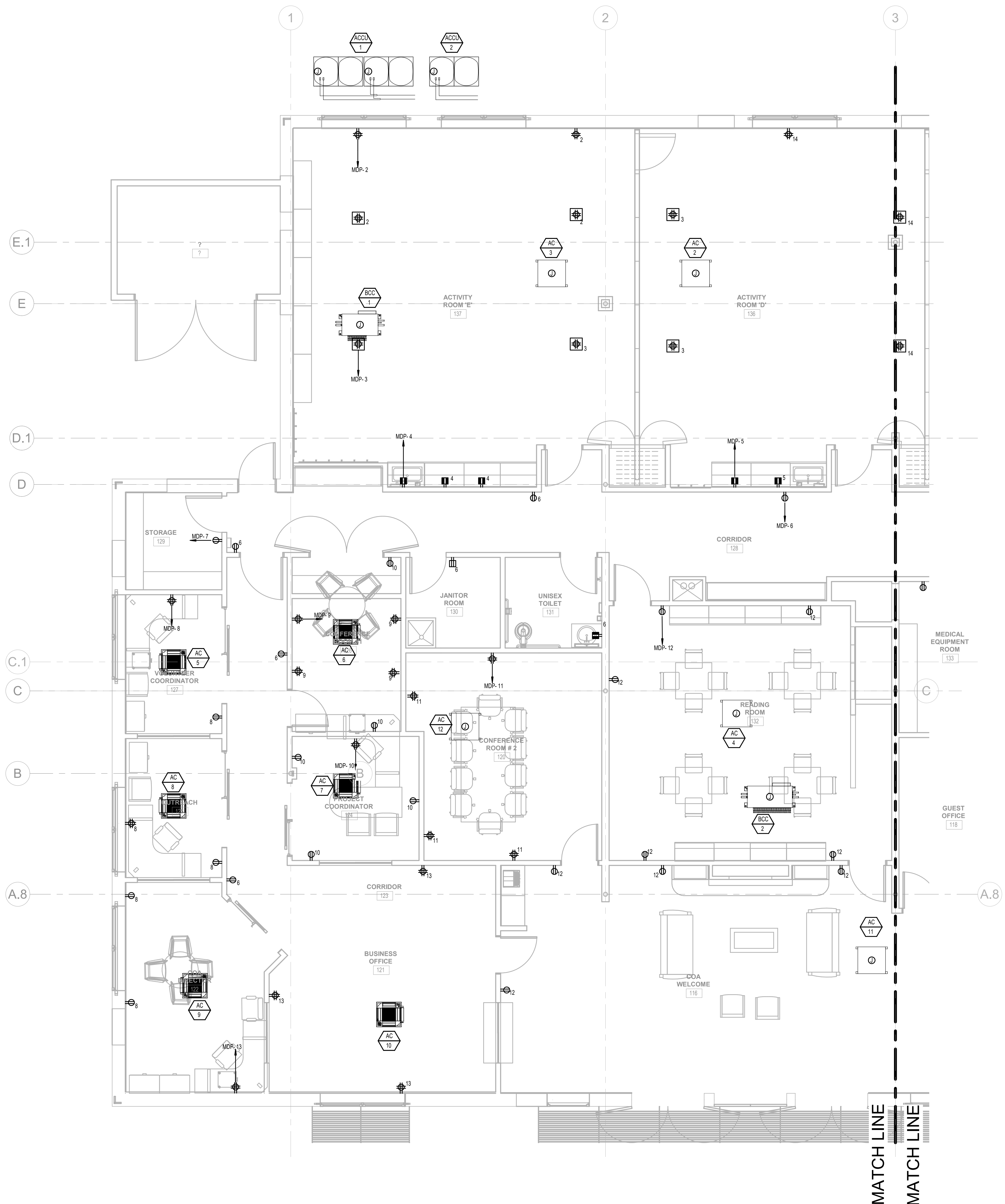
PROJECT LOCATION:  
500 WASHINGTON AVE, Wayland On Call TAX ORDER#421-125-2125.04 - Wayland Senior Center - Elec.rvt  
DATE & TIME PRINTED: 11/15/2022 3:53:35 PM

**GENERAL NOTES:**

1. AS PART OF THE ELECTRICAL DRAWING PACKAGE, REFER TO MANUFACTURER APPROVED MANUAL/DRAWINGS FOR ALL INSTALLATION REQUIREMENTS AND PLACEMENT OF EQUIPMENT. ALL RACEWAYS, JUNCTION BOXES, CONDUITS, SWITCHED, POWER RELAYS AND DEVICES TO BE PROVIDED AND INSTALLED BY CUSTOMER'S ELECTRICAL CONTRACTOR.
2. ALL CONDUITS OR CABLE DUCTS MUST BE SUITABLY SEALED AND PROTECTED TO KEEP THEM CLEAN AND DRY. PROVIDE ADEQUATE CLEARANCE FOR TYPICAL CONDUIT RADIUS OF SIX TIMES THE DIAMETER. CONDUIT BEND SHALL NOT EXCEED 270 DEGREES PER CABLE RUN. ROUTE ALL ROOM PENETRATIONS AS PERPENDICULAR TO THE ISOCENTER AS POSSIBLE TO AVOID RADIATION SCATTER. VERIFY ALL ROOM PENETRATIONS WITH THE PHYSICIST OF RECORD.
3. PROVIDE GROUNDING LOOP AND CONNECT TO EXISTING BUILDING GROUNDING SYSTEM IF THE SYSTEM EXISTS.
4. MINIMUM WIRE SIZE SHALL BE NUMBER 12 AWG FOR POWER AND LIGHTING CIRCUITS AND NUMBER 14 AWG FOR CONTROL WIRING. 120-VOLT BRANCH CIRCUITS OF MORE THAN 100 FEET AND 277-VOLT CIRCUITS OF MORE THAN 150 FEET FROM CENTER OF LOAD TO PANEL SHALL BE NO. 10 AWG.

**NUMBERED NOTES:**

- ① xxxxxxx
- ② xxxxxxxxx



**TOWN OF WAYLAND**

8 ANDREW AVENUE,  
WAYLAND, MA 01778

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DEMOLITION**

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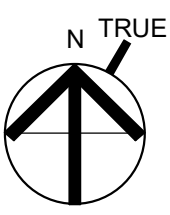
INTERIOR DESIGN  
ENGINEERING ■ PORTLAND  
500 WASHINGTON AVE  
PORTLAND, ME 04103  
TEL: 207.582.2400  
FAX: 207.582.8320

CONSULTANT:

**ISSUE/REVISION:**

NO:	DATE:	DESCRIPTION:
1	08/31/2022	BID SET
2	10/12/2022	50% CD
3	11/15/2022	99% CD

KEY PLAN:



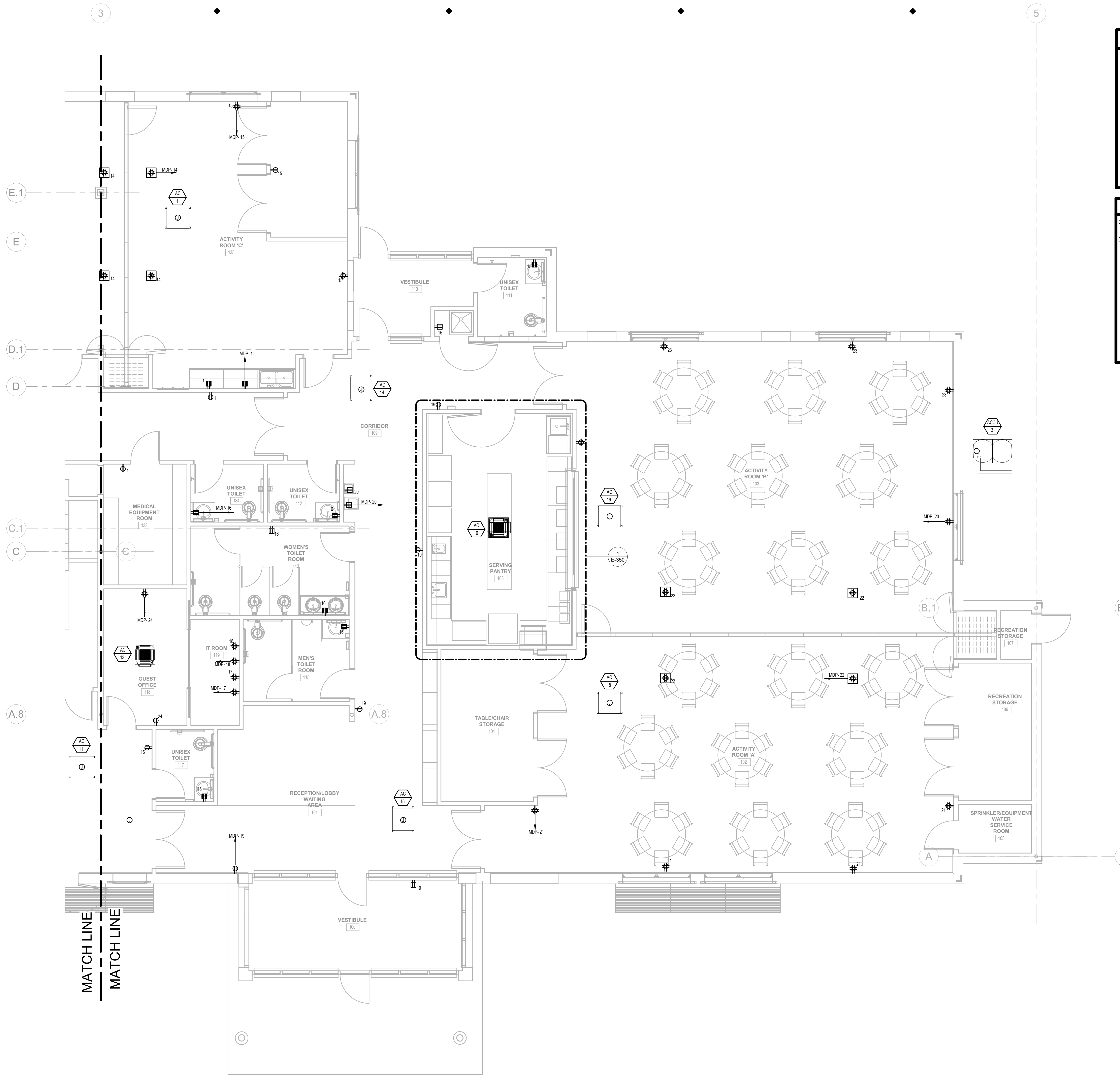
**DRAWING TITLE:  
ELECTRICAL FIRST FLOOR  
POWER PLAN-LEFT**

DRAWN BY: JM	SEAL:
CHECKED BY: RDJ	
SCALE: 1/4" = 1'-0"	
PROJECT NO.:	
21-125-2125.04	

DRAWING NO.:

**E-301**

PRODUCT LOCATION:  
519 Mill Street in Wayland on Call Task Order#421-125-2125.04 - Wayland Senior Center - Elec.rvt  
DATE & TIME PRINTED: 11/15/2022 3:53:36 PM



**GENERAL NOTES:**

1. AS PART OF THE ELECTRICAL DRAWING PACKAGE, REFER TO MANUFACTURER APPROVED MANUAL/DRAWINGS FOR ALL INSTALLATION REQUIREMENTS AND PLACEMENT OF EQUIPMENT. ALL RACEWAYS, JUNCTION BOXES, CONDUITS, SWITCHED, POWER RELAYS AND DEVICES TO BE PROVIDED AND INSTALLED BY CUSTOMER'S ELECTRICAL CONTRACTOR.
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3. PROVIDE GROUNDING LOOP AND CONNECT TO EXISTING BUILDING GROUNDING SYSTEM IF THE SYSTEM EXISTS.
4. MINIMUM WIRE SIZE SHALL BE NUMBER 12 AWG FOR POWER AND LIGHTING CIRCUITS AND NUMBER 14 AWG FOR CONTROL WIRING. 120-VOLT BRANCH CIRCUITS OF MORE THAN 100 FEET AND 277-VOLT CIRCUITS OF MORE THAN 150 FEET FROM CENTER OF LOAD TO PANEL SHALL BE NO. 10 AWG.

**NUMBERED NOTES:**

① xxxxxxxx

② xxxxxxxxxx

TOWN OF WAYLAND

8 ANDREW AVENUE,  
WAYLAND, MA 01778

SELECTIVE INTERIOR  
DEMOLITION

**DAI DIGIORGIO ASSOCIATES INCORPORATED**  
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BOSTON, MA 02129  
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FAX: 617.723.9113

INTERIOR DESIGN

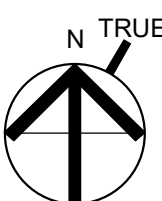
ENGINEERING ■ PORTLAND  
500 WASHINGTON AVENUE  
PORTLAND, ME 04103  
TEL: 207.582.2400  
FAX: 207.582.8320

CONSULTANT:

ISSUE/REVISION:

NO.	DATE	DESCRIPTION
1	08/31/2022	BID SET
2	10/12/2022	50% CD
3	11/15/2022	95% CD

KEY PLAN:

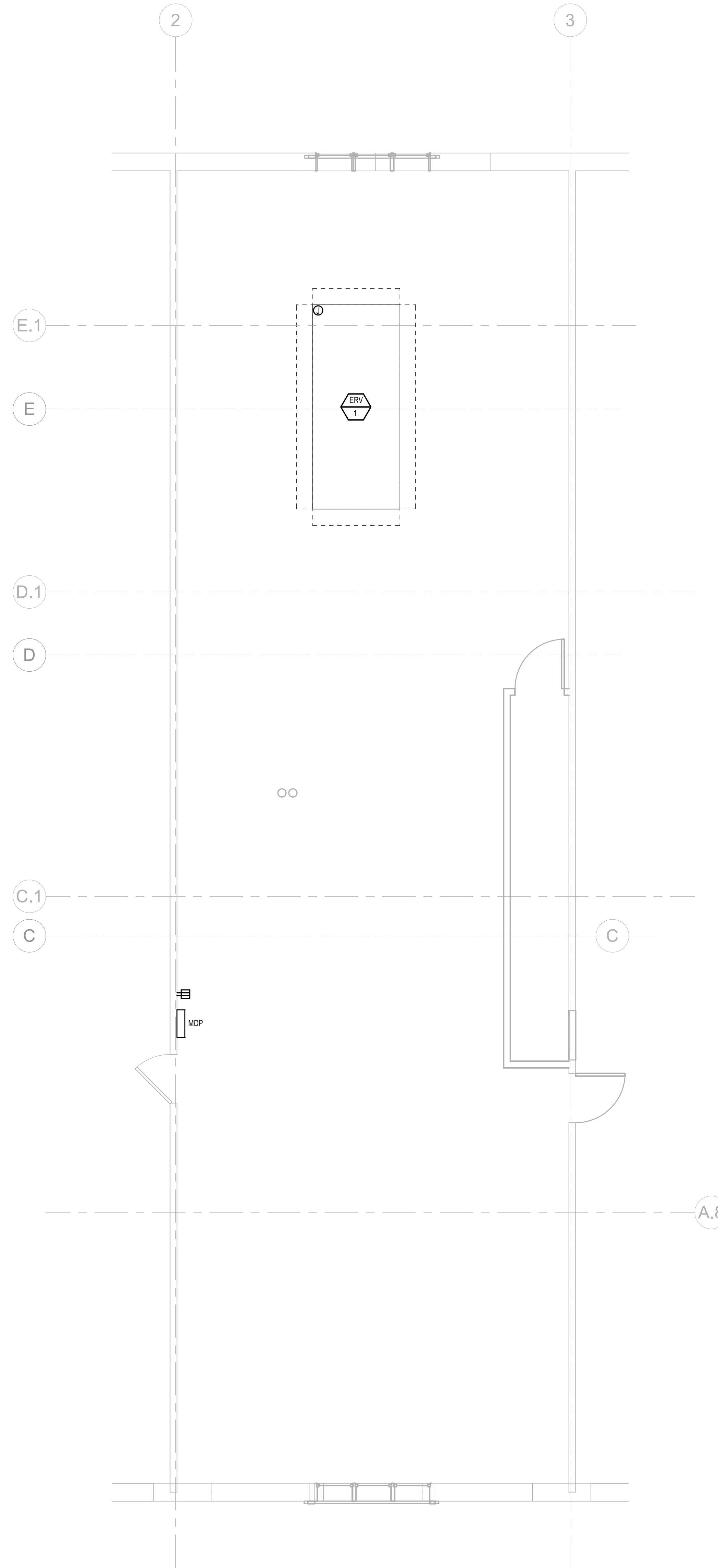


DRAWING TITLE:  
ELECTRICAL FIRST FLOOR  
POWER PLAN-RIGHT

DRAWN BY: JMH	SEAL:
CHECKED BY: RDJ	
SCALE: 1/4" = 1'-0"	
PROJECT NO.: 21-125-2125.04	

DRAWING NO.:

E-302



**GENERAL NOTES:**

- AS PART OF THE ELECTRICAL DRAWING PACKAGE, REFER TO MANUFACTURER APPROVED MANUAL/DRAWINGS FOR ALL INSTALLATION REQUIREMENTS AND PLACEMENT OF EQUIPMENT. ALL RACEWAYS, JUNCTION BOXES, CONDUITS, SWITCHED, POWER RELAYS AND DEVICES TO BE PROVIDED AND INSTALLED BY CUSTOMER'S ELECTRICAL CONTRACTOR.
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**NUMBERED NOTES:**

- xxxxxxx
- xxxxxxxxx

TOWN OF WAYLAND

8 ANDREW AVENUE.  
WAYLAND, MA 01778

SELECTIVE INTERIOR  
DEMOLITION

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CONSULTANT:

**ISSUE/REVISION:**

NO.	DATE:	DESCRIPTION:
1	08/31/2022	BID SET
2	10/12/2022	50% CD
3	11/15/2022	99% CD

KEY PLAN:



DRAWING TITLE:  
**ELECTRICAL MEZZANINE  
POWER PLAN**

DRAWN BY:  
**JMH**

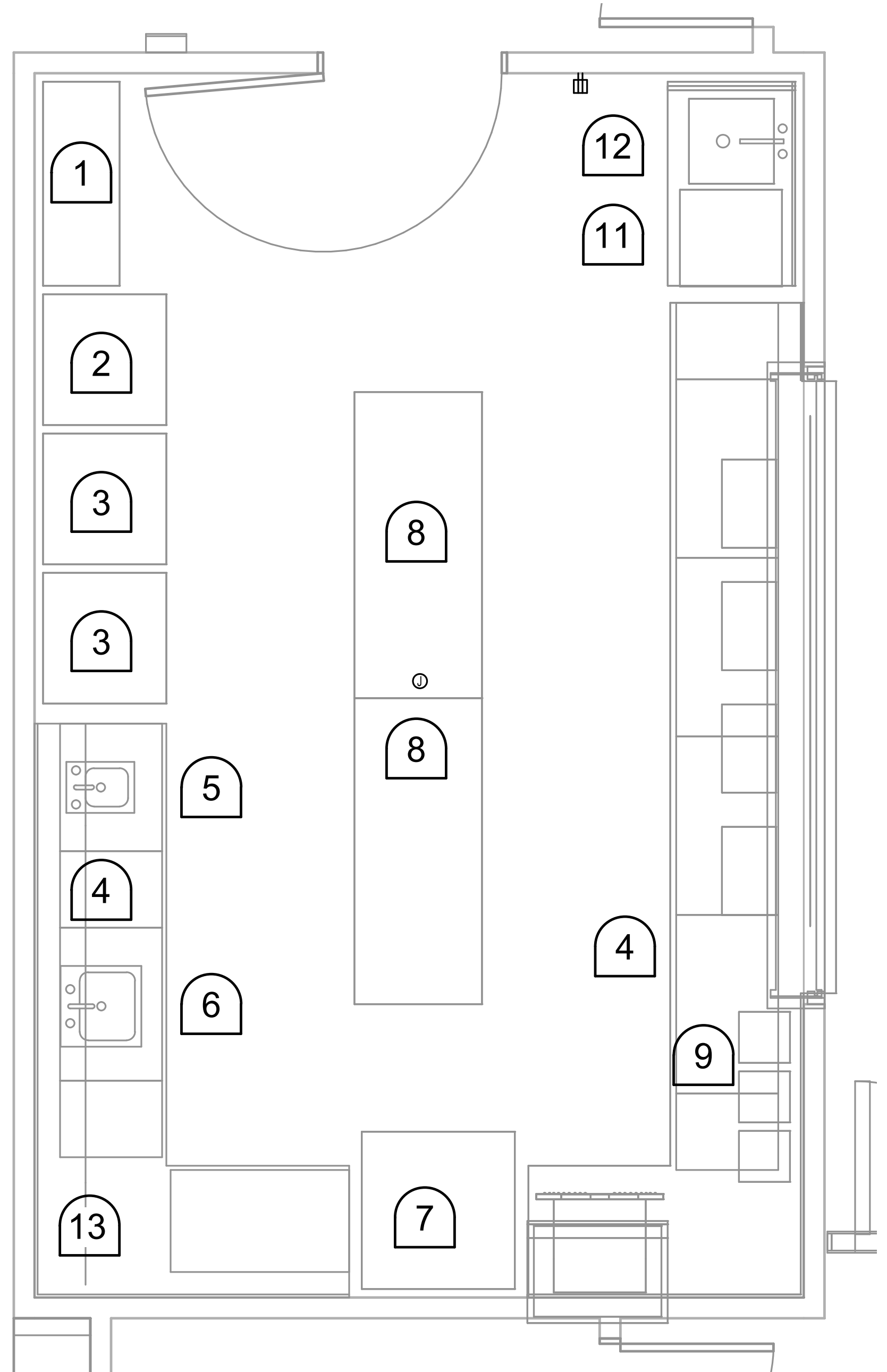
CHECKED BY:  
**RDM**

SCALE:  
**1/4" = 1'-0"**

PROJECT NO.:  
**21-125-2125.04**

DRAWING NO.:

**E-303**



1 ELECTRICAL PANTRY PART PLAN  
SCALE: 1/2" = 1'-0"

**GENERAL NOTES:**

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**NUMBERED NOTES:**

- xxxxxxx
- xxxxxxxxx

TOWN OF WAYLAND

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CONSULTANT:

**ISSUE/REVISION:**

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3	11/15/2022	95% CD

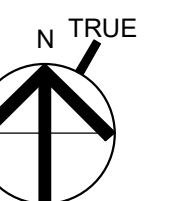
**EQUIPMENT SCHEDULE**

ITEM NO	QTY	EQUIPMENT CATEGORY	EQUIPMENT CHARACTERISTICS										VOLT	PH	PANEL-CIRCUIT	CIRCUIT BREAKER	FEEDER	CONNECTIONS							REMARKS				
			VOLTS	PHASE	HP	AMPS	KW	ELEC. ALLOW. (VA)	DIRECT	PLUS	NEMA	☐						☐	☐	☐	☐	☐	NEMA						
1	1	STORAGE SHELVING																											NO ELECTRICAL CONNECTION REQUIRED.
2	1	REACH-IN FREEZER	120V	1	4/5HP	7A					X	5-15P	120V	1	20A-1P	2#12 & 1#12G,3/4C	X										5-20R	FIELD CORDINATE ELECTRICAL CONNECTION AND NEMA TYPE REQUIRED.	
3	1	REACH-IN REFRIGERATOR	120V	1	1/5HP	3A					X	5-15P	120V	1	20A-1P	2#12 & 1#12G,3/4C	X										5-20R	FIELD CORDINATE ELECTRICAL CONNECTION AND NEMA TYPE REQUIRED.	
1		REACH-IN REFRIGERATOR	120V	1	1/5HP	3A					X	5-15P	120V	1	20A-1P	2#12 & 1#12G,3/4C	X											FIELD CORDINATE ELECTRICAL CONNECTION AND NEMA TYPE REQUIRED.	
4	LOT	MILLWORK COUNTERS																										NO ELECTRICAL CONNECTION REQUIRED.	
5	1	HAND SINK, DROP-IN																										NO ELECTRICAL CONNECTION REQUIRED.	
6	1	ONE COMPARTMENT SINK, DROP-IN																										NO ELECTRICAL CONNECTION REQUIRED.	
7	1	OVEN, ELECTRIC W/ VENTLESS HOOD	208V	3		31A	11.2KW						208V	3														FIELD CORDINATE ELECTRICAL CONNECTION AND NEMA TYPE REQUIRED.	
1		VENTLESS HOOD	120V	1		1A					X	5-15P	120V	1	20A-1P	2#12 & 1#12G,3/4C	X											FIELD CORDINATE ELECTRICAL CONNECTION AND NEMA TYPE REQUIRED.	
8	2	TABLES																										NO ELECTRICAL CONNECTION REQUIRED.	
9	LOT	BEVERAGES																										FIELD CORDINATE ELECTRICAL CONNECTION AND NEMA TYPE REQUIRED.	
10	4	CHAFING DISHES																										NO ELECTRICAL CONNECTION REQUIRED.	
11	1	UNDERCOUNTER DISHWASHER	208V	1		24.2A							208V	1	30A-2P	2#10 & 1#10G,3/4C												FIELD CORDINATE ELECTRICAL CONNECTION AND NEMA TYPE REQUIRED. 30A MOCF PER MANUFACTURER.	
12	1	DISHABLE W/ PRE-RINSE FAUCET																										NO ELECTRICAL CONNECTION REQUIRED.	
13	1	MICROWAVE OVEN																											
14	-	SPARE NUMBER																											
15	-	SPARE NUMBER																											

NOTES:

- ELECTRICAL CONTRACTOR SHALL VERIFY EXACT PLUG CONFIGURATION WITH EQUIPMENT MANUFACTURER.
- ALL WIRING PER MANUFACTURERS RECOMMENDATIONS.
- COORDINATE ALL REQUIREMENTS WITH FOOD SERVICE EQUIPMENT DRAWINGS AND SPECIFICATIONS.
- COORDINATE ALL EQUIPMENT LOCATIONS WITH ARCHITECT

KEY PLAN:



DRAWING TITLE:  
**ELECTRICAL PANTRY PART PLAN**

DRAWN BY:  
Author  
CHECKED BY:  
Checker  
SCALE:  
As indicated

PROJECT NO.:  
21-125-2125.04

DRAWING NO.:

**E-350**

PROJECT LOCATION:  
800 300/77000 W. 4th Street W. Wayland On Call TAXI ORDER #421-225-2125.04 - Wayland Senior Center - Elec.rvt  
DATE & TIME PRINTED: 11/15/2022 3:53:38 PM





















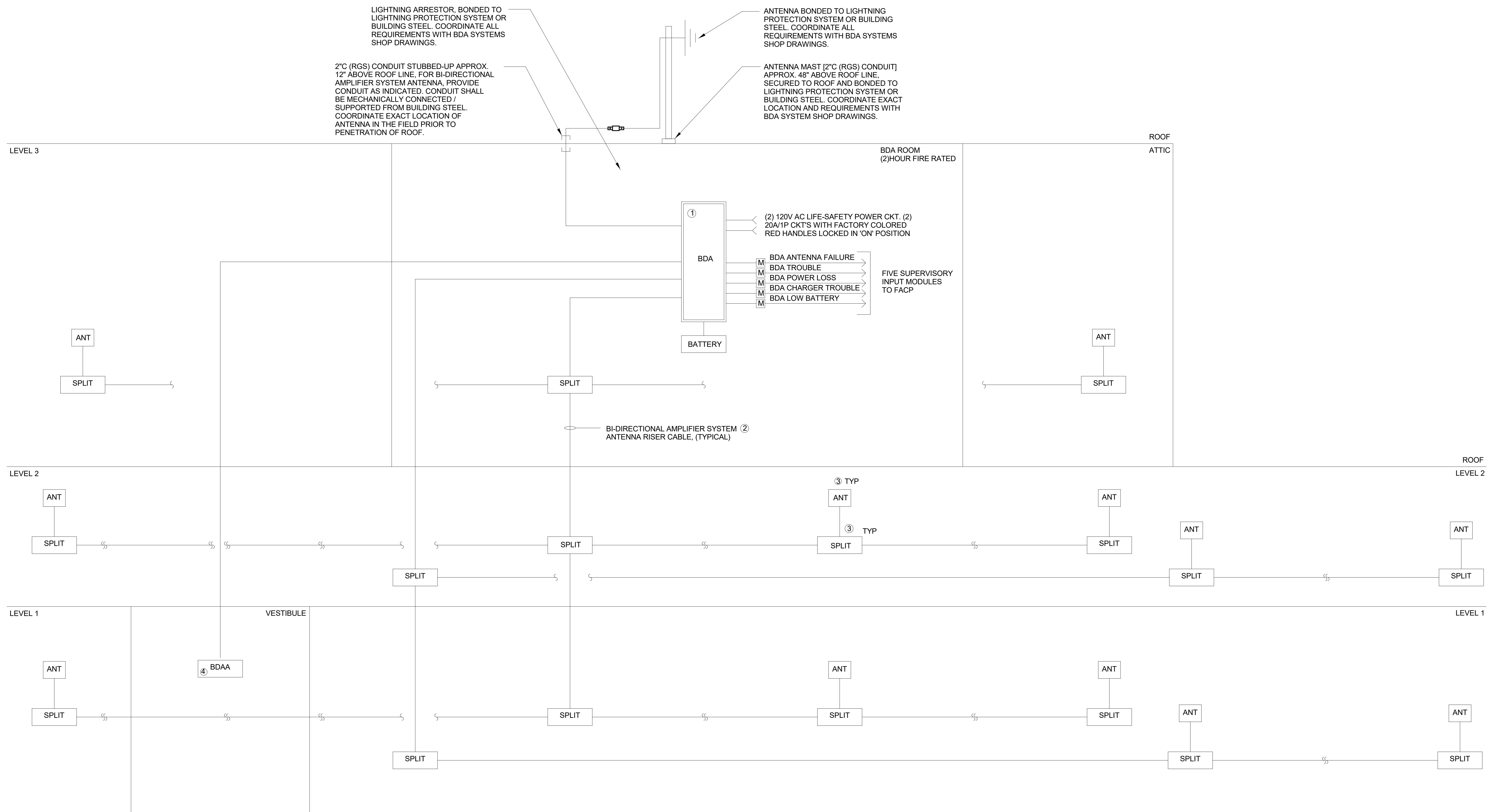


**BI-DIRECTIONAL AMPLIFIER SYSTEM NOTES:**

1. ELECTRICAL CONTRACTOR TO PROVIDE TESTING (SIGNAL SURVEY) TO DETERMINE THE NEED FOR A BDA SYSTEM. COORDINATE ALL REQUIREMENTS WITH THE FIRE DEPARTMENT PRIOR TO BID.
2. A SIGNAL SURVEY SHALL BE CONDUCTED ONCE THE PERMANENT MEMBRANE OF THE STRUCTURE IS SUBSTANTIALLY COMPLETE. SUBSTANTIAL COMPLETION INCLUDES PERMANENT WINDOWS, WALLS, ROOF AND OTHER MEANS OF ENTRY/EXIT FROM THE STRUCTURE LIKE GARAGE DOORS. THIS SIGNAL SURVEY IS CONDUCTED TO DETERMINE IF SIGNAL LEVELS ARE WITHIN CODE REQUIRED THRESHOLDS IN-BUILDING.
3. SUBMIT REPORT INDICATING FINDINGS AND TEST DATA TO ENGINEER AND THE FIRE DEPARTMENT. MEET WITH THE FIRE DEPARTMENT AND OBTAIN DETERMINATION OF WHETHER THE BI-DIRECTIONAL AMPLIFIER SYSTEM IS REQUIRED FOR THE BUILDING. DOCUMENT THE FIRE DEPARTMENT MEETING AND SUBMIT MINUTES OF THE MEETING.
4. THE BI-DIRECTIONAL AMPLIFIER SYSTEM IS A DELEGATED DESIGN. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.
5. FOR BIDDING PURPOSES ASSUME THE BI-DIRECTIONAL AMPLIFIER SYSTEM IS REQUIRED AND WILL BE A UL2524 COMPLIANT SYSTEM. COVERAGE IS REQUIRED ON ALL FLOORS. (4) FREQUENCIES WILL BE REQUIRED (CHANNEL 1 THROUGH CHANNEL 4). PROVIDE ALL COST FOR A FULLY FUNCTIONAL, CODE COMPLIANT SYSTEM THAT MEETS ALL THE REQUIREMENTS OF THE FIRE DEPARTMENT.
6. BREAK OUT BI-DIRECTIONAL AMPLIFIER SYSTEM COST AS A LINE ITEM IN THE BID.
7. IF BI-DIRECTIONAL AMPLIFIER SYSTEM IS REQUIRED, SUBMIT THE DESIGN TO THE ENGINEER PRIOR TO INSTALLATION FOR APPROVAL. BI-DIRECTIONAL AMPLIFIER SHOP DRAWINGS SHALL BE SEALED BY PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.
8. THIS DIAGRAM IS INTENDED TO ILLUSTRATE MAJOR EQUIPMENT AND THE INTENDED INTERCONNECTIONS. REFER TO THE BI-DIRECTIONAL AMPLIFIER SHOP DRAWINGS FOR EXACT LOCATIONS AND QUANTITIES OF DEVICES.

**NUMBERED NOTES:**

- ① UL1225 COMPLIANT BI-DIRECTIONAL AMPLIFIER SYSTEM.
- ② BI-DIRECTIONAL AMPLIFIER SYSTEM ANTENNA RISER CABLE TO BE PLENUM RATED AND 2 HOUR FIRE RATED.
- ③ REFER TO BI-DIRECTIONAL AMPLIFIER SHOP DRAWINGS FOR EXACT QUANTITY OF DEVICES.
- ④ BI-DIRECTIONAL AMPLIFIER ANNUNCIATOR. ELECTRICAL CONTRACTOR TO PROVIDE STANDARD 4" 2 GANG BOX, 8 CONDUCTOR 18-24 GA CABLE. BI-DIRECTIONAL AMPLIFIER VENDOR TO PROVIDE ANNUNCIATOR. COORDINATE WITH FIRE DEPARTMENT AND BI-DIRECTIONAL AMPLIFIER VENDOR FOR EXACT LOCATION AND ALL REQUIREMENTS.



1 Wayland Bi-Directional Amplifier System Riser Diagram  
SCALE: N.T.S.

**TOWN OF WAYLAND**

8 ANDREW AVENUE,  
WAYLAND, MA 01778

**SELECTIVE INTERIOR  
DEMOLITION**



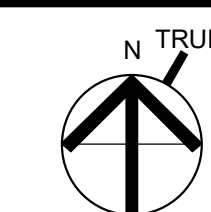
ARCHITECTURE ■ BOSTON  
PLANNING 529 MAIN STREET, SUITE 5303  
BOSTON, MA 02129  
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ENGINEERING FAX: 617.723.9113  
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500 WASHINGTON AVE  
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FAX: 207.582.8320

CONSULTANT:

**ISSUE/REVISION:**

NO.	DATE	DESCRIPTION
1	08/31/2022	BID SET
2	10/12/2022	50% CD
3	11/15/2022	99% CD

KEY PLAN:



**DRAWING TITLE:  
Bi-Directional Amplifier System  
Riser Diagram**

DRAWN BY: RDM	SEAL:
CHECKED BY: RDJ	
SCALE: N.T.S.	
PROJECT NO.: 21-125-2125.04	

DRAWING NO.:

**FA-110**

PROJECT LOCATION:  
818 W. 7th Street in Wayland On Call TASK ORDER #21-125-2125.04 - Wayland Senior Center - Elec.rvt  
DATE & TIME PRINTED: 11/15/2022 3:53:51 PM

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WAYLAND, MA 01778

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DEMOLITION

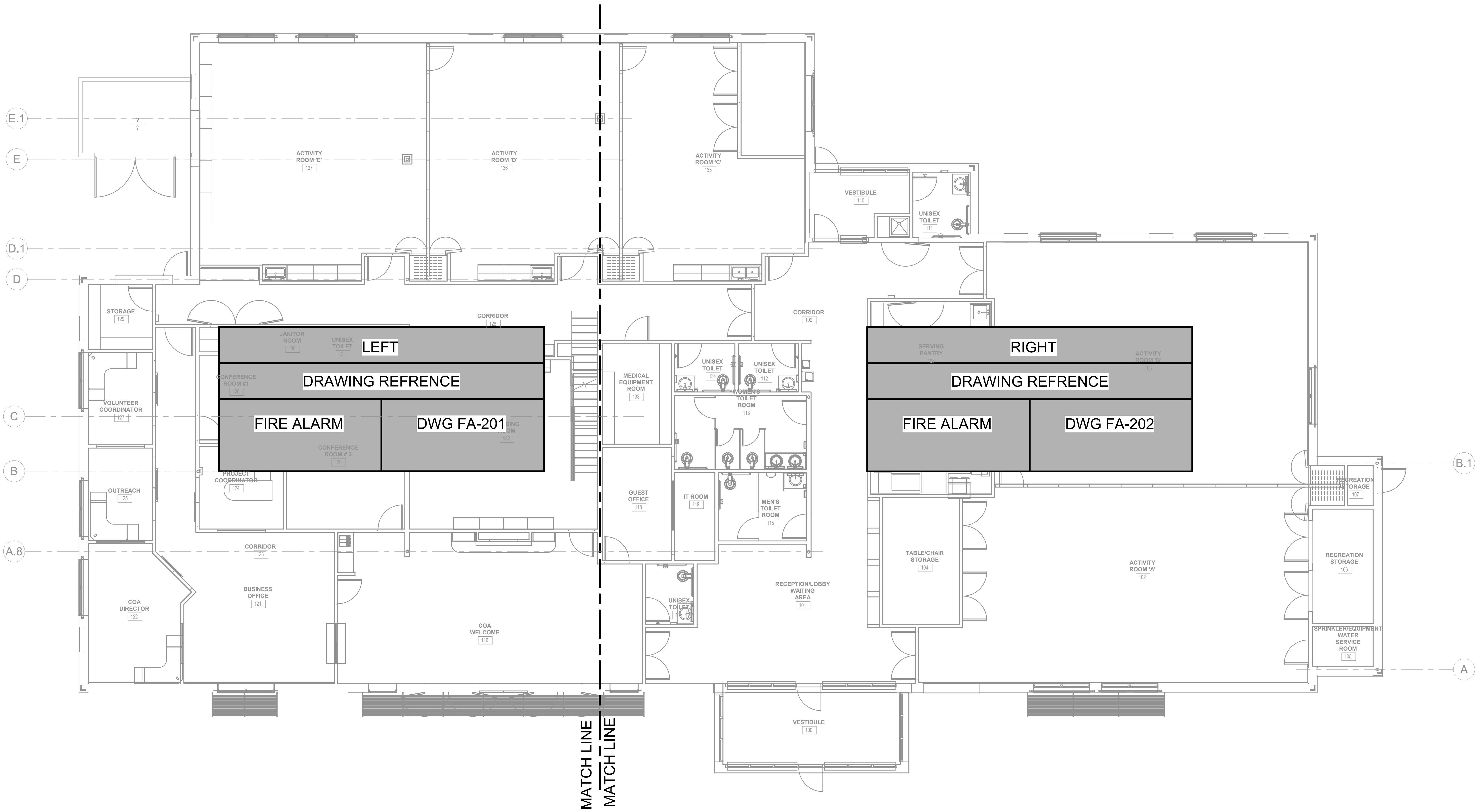
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ASSOCIATES  
INCORPORATED  
A LiRo Group Company

ARCHITECTURE ■ BOSTON  
529 MAIN STREET, SUITE 5303  
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CONSULTANT:



ISSUE/REVISION:

NO.	DATE:	DESCRIPTION:
1	08/31/2022	BID SET
2	10/12/2022	50% CD
3	11/15/2022	95% CD



DRAWING TITLE:  
FIRE ALARM FIRST FLOOR  
PLAN

DRAWN BY: JMH	SEAL:
CHECKED BY: RDM	
SCALE: 3/16" = 1'-0"	
PROJECT NO.: 21-125-2125.04	

DRAWING NO.:

**FA-200**

PROJECT LOCATION:  
810 260/7000 W. Wayland On Call TALK ORDER#421-125-2125.04 - Wayland Senior  
Center - Elec.rvt

DATE & TIME PRINTED: 11/15/2022 3:53:52 PM

TOWN OF WAYLAND

8 ANDREW AVENUE.  
WAYLAND, MA 01778

SELECTIVE INTERIOR  
DEMOLITION

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INCORPORATED

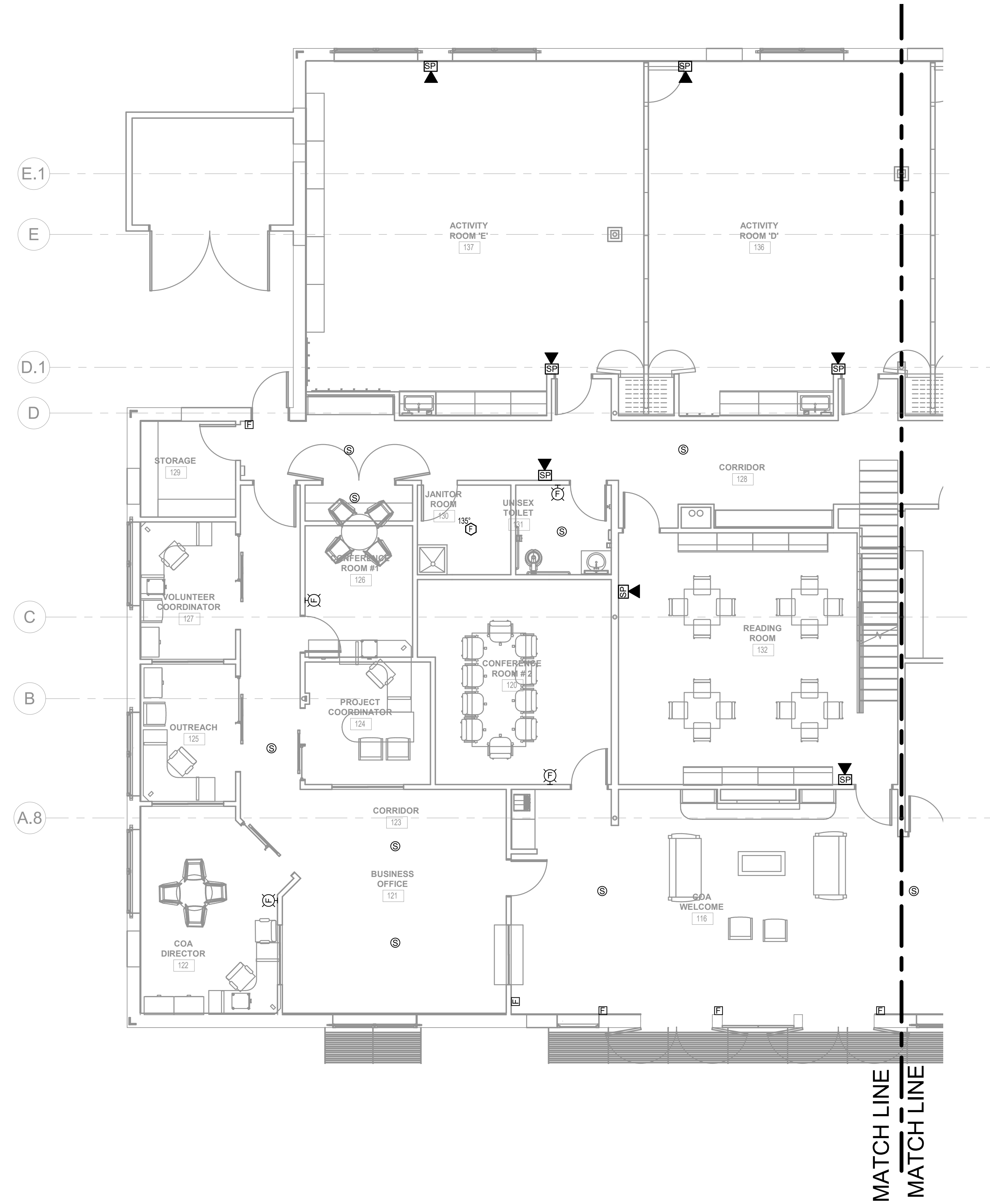
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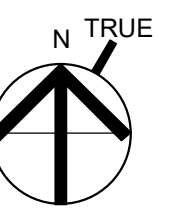
CONSULTANT:



ISSUE/REVISION:

NO.	DATE:	DESCRIPTION:
1	08/31/2022	BID SET
2	10/12/2022	50% CD
3	11/15/2022	95% CD

KEY PLAN:



DRAWING TITLE:  
FIRE ALARM FIRST FLOOR  
PLAN-LEFT

DRAWN BY: JMH	SEAL:
CHECKED BY: RDM	
SCALE: 3/16" = 1'-0"	
PROJECT NO.: 21-125-2125.04	

DRAWING NO.:  
**FA-201**

TOWN OF WAYLAND

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WAYLAND, MA 01778

SELECTIVE INTERIOR  
DEMOLITION

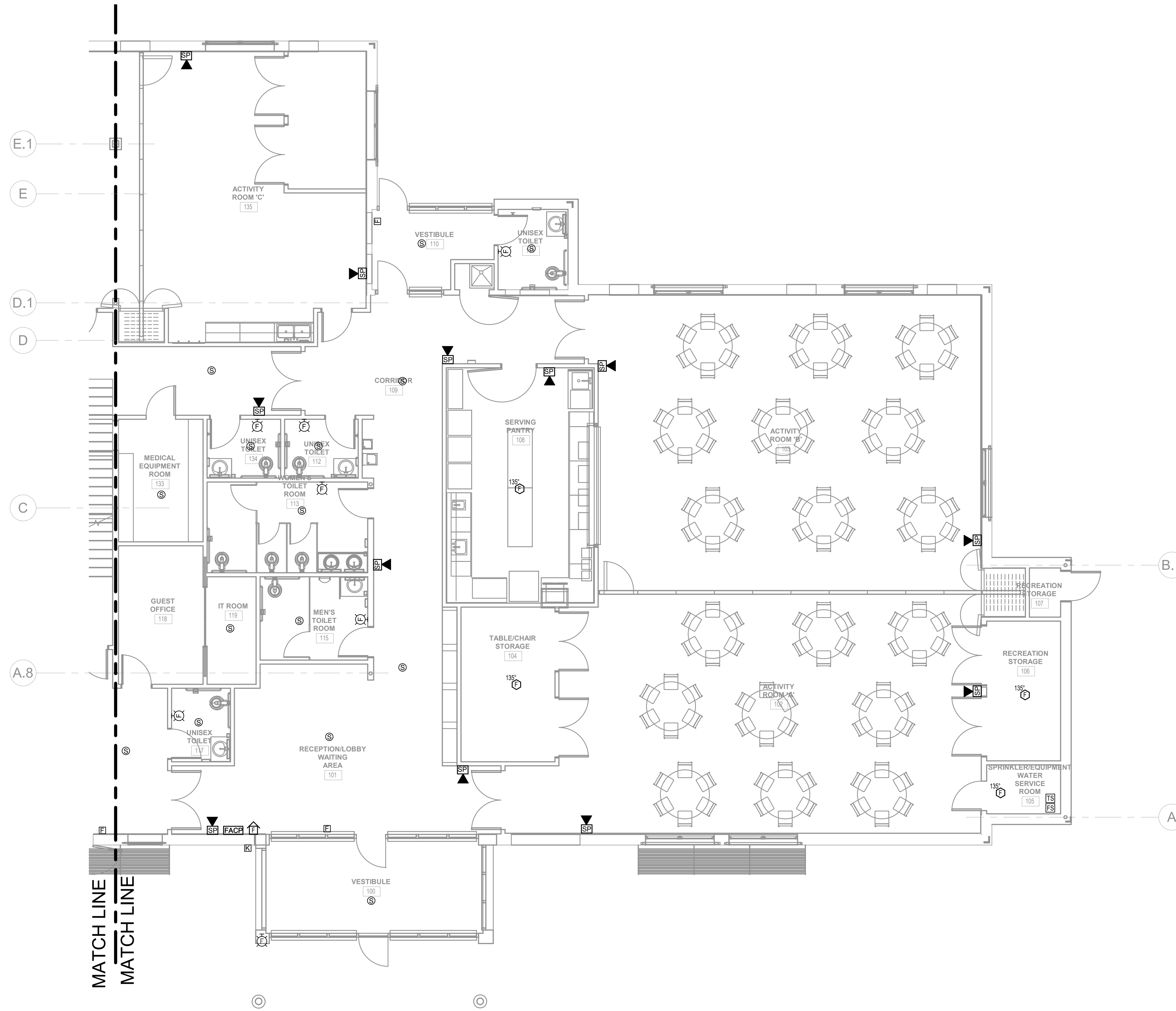


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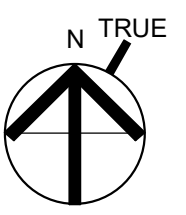
CONSULTANT:



ISSUE/REVISION:

NO.	DATE:	DESCRIPTION:
1	08/31/2022	BID SET
2	10/12/2022	50% CD
3	11/15/2022	95% CD

KEY PLAN:



DRAWING TITLE:  
FIRE ALARM FIRST FLOOR  
PLAN-RIGHT

DRAWN BY:  
JMH

CHECKED BY:  
RDM

SCALE:  
3/16" = 1'-0"

PROJECT NO.:  
21-125-2125.04

SEAL:

DRAWING NO.:

FA-202

TOWN OF WAYLAND

8 ANDREW AVENUE  
WAYLAND, MA 01778

SELECTIVE INTERIOR  
DEMOLITION

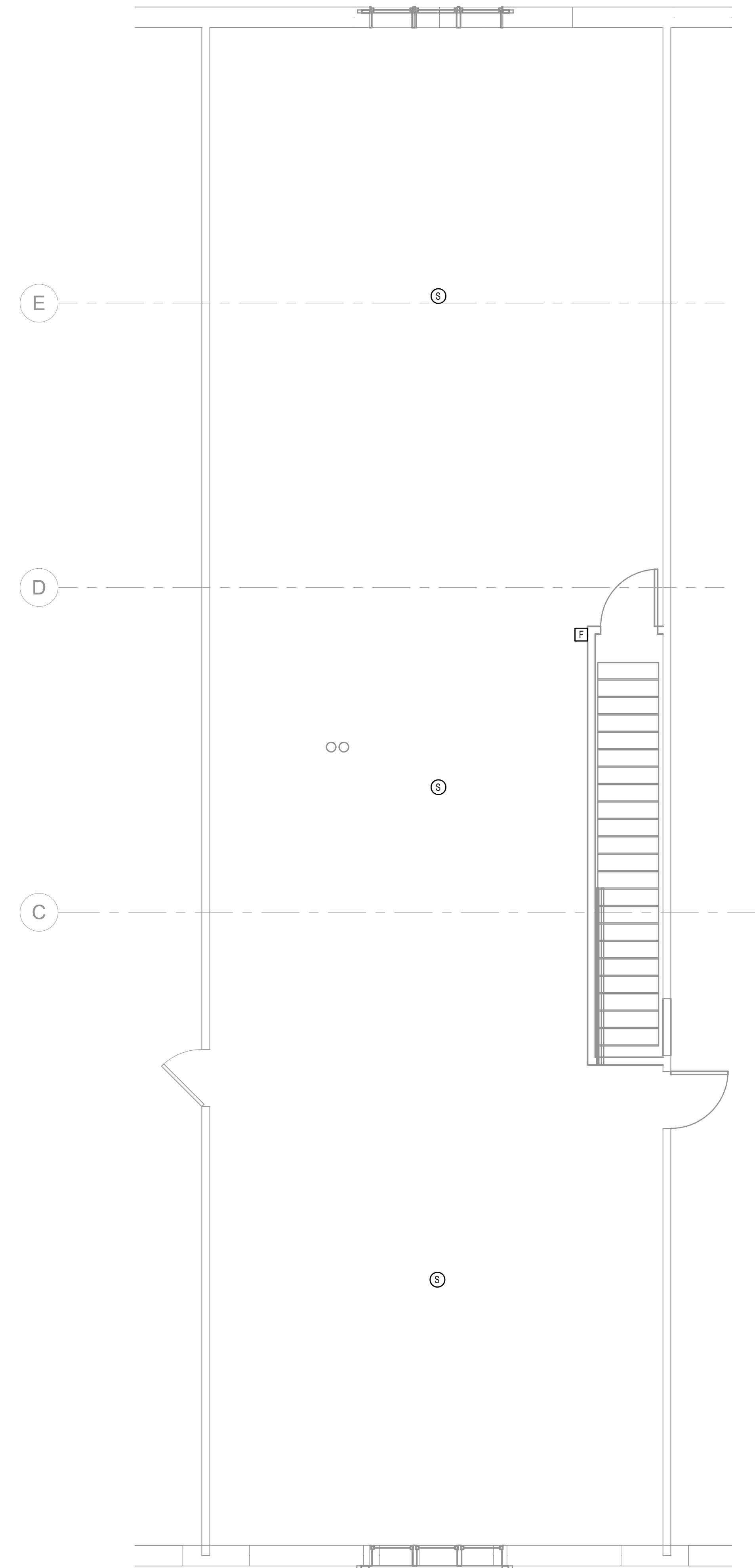


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**INTERIOR DESIGN**  
**ENGINEERING**

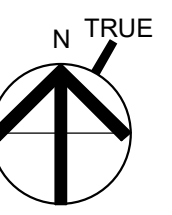
CONSULTANT:



ISSUE/REVISION:

NO.	DATE	DESCRIPTION
1	08/31/2022	BID SET
2	10/12/2022	50% CD
3	11/15/2022	99% CD

KEY PLAN:



DRAWING TITLE:  
FIRE ALARM MEZZANINE PLAN

DRAWN BY: JMH  
CHECKED BY: RDM  
SCALE: 1/4" = 1'-0"  
PROJECT NO.: 21-125-2125.04

DRAWING NO.:  
FA-210

FIRE PROTECTION SYMBOL LIST	
FS	NEW WET SPRINKLER PIPING
ETR FS	EXISTING TO REMAIN WET SPRINKLER PIPING
---	EXISTING TO BE REMOVED/DEMOLISHED SPRINKLER PIPING
▲	NEW SIDEWALL SPRINKLER HEAD
△	EXISTING SIDEWALL SPRINKLER
□H	NEW UPRIGHT SPRINKLER HEAD, RATED AT 212°F
○	NEW UPRIGHT SPRINKLER HEAD
○	EXISTING UPRIGHT SPRINKLER HEAD
•p	NEW CONCEALED PENDENT SPRINKLER HEAD-PREACTION
•	NEW CONCEALED PENDENT SPRINKLER HEAD-ORDINARY TEMPERATURE
•i	NEW CONCEALED PENDENT SPRINKLER HEAD-INTERMEDIATE TEMPERATURE
○	EXISTING PENDENT SPRINKLER HEAD
≡	SPRINKLER WITH GUARD
□	FIRE HOSE CABINET
▤	FIRE HOSE RACK
▤▤▤	FIRE HOSE RACK / SPRINKLER
⌒	SIAMESE CONNECTION
⌒○	SIAMESE CONNECTION FREESTAND
⌒○	CHECK VALVE
⌒○	CHECK VALVE W/ ALARM
🔔	WATER MOTOR ALARM BELL
•	PIPE RISER
—	PIPE DROP
○	PIPE UP
□	DRY PIPE VALVE
•	POINT OF CONNECTION
•	POINT OF DISCONNECTION
≡	SPRINKLER PLUG
ECVA	FLOOR CONTROL VALVE ASSEMBLY
⌒	VALVE TAMPER SWITCH
⌒	SOLENOID VALVE
⌒	OS & Y VALVE
↔	BACKFLOW PREVENTER DOUBLE CHECK TYPE
↔	BACKFLOW PREVENTER REDUCED PRESSURE ZONE (RPZ) TYPE
⚠	REVISION SYMBOL
△	REFER TO SUPPLEMENTAL FIGURE INDICATED BY NUMBER (I.E. F2 REFERS TO FIGURE 2)
XXX	EQUIPMENT TAG
X	EQUIPMENT NUMBER
X	DETAIL TAG CALL OUT TAG
X.XXX	FIRE PROTECTION SHEET NUMBER

ABBREVIATIONS			
ACV	ALARM CHECK VALVE	NYS	NEW YORK STATE
B.O.P.	BOTTOM OF PIPE	P.C.	PLUMBING CONTRACTOR
F.S.C.	FIRE SPRINKLER CONTRACTOR	W	WITH

SPRINKLER HEAD SCHEDULE					
COUNT	TYPE	MARK	MANUFACTURER	MODEL	COMMENTS
7	FS	1	RELIABLE	F1FR	DOWN PENDANT

**FIRE PROTECTION SAFETY NOTES:**

1. SPECIAL PRECAUTION SHALL BE TAKEN BY THE CONTRACTOR SO THAT EQUIPMENT OF THIS APPLICATION AND ITS INSTALLATION WILL NOT AFFECT THE FOLLOWING: EGRESS TO AND FROM THE BUILDING; FIRE SAFETY OR CREATE A FIRE HAZARD; STRUCTURAL SAFETY OF THE BUILDING; ACCUMULATION OF DUST AND DEBRIS. (THE CONTRACTOR SHALL LEAVE THE SITE BROOM CLEANED EACH DAY.)

**FIRE PROTECTION SPECIAL INSPECTIONS:**

SPECIAL INSPECTIONS REQUIRED IN ACCORDANCE WITH CHAPTER 17 AND THE APPLICABLE SECTION OF MA STATE BUILDING CODE ARE LISTED IN THE FOLLOWING TABLES. THE "AUTHORITY" SHALL BE RESPONSIBLE FOR THE FOLLOWING SPECIAL INSPECTIONS:

PENETRATION FIRES TOP	BC 1705.17.1
FIRE RESISTANCE JOINT SYSTEMS	BC 1705.17.2

**FIRE PROTECTION GENERAL NOTES:**

- DIMENSIONS, LOCATIONS AND SIZES INDICATED ON THE PLANS AND THE ELEVATION ARE APPROXIMATE AND SHALL BE VERIFIED BY FIELD INSPECTION BY THE CONTRACTOR.
- SOME EXISTING PIPE AND EQUIPMENT IS SHOWN FOR CLARIFICATION OF THIS CONTRACT, BUT MUST BE PROTECTED BY THE CONTRACTOR.
- NO WORK SHALL BE INITIATED UNTIL A WORK PERMIT IS OBTAINED BY THE CONTRACTOR AND A SAFETY PLAN IS SUBMITTED AND IS APPROVED.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS, EQUIPMENT USE PERMITS, ALL INSPECTION APPROVALS, AND LETTER OF COMPLETION FROM THE NEW YORK CITY DEPARTMENT OF BUILDINGS FOR WORK UNDER THIS CONTRACT AS APPLICABLE.
- ANY EXISTING MATERIALS, PIPING, ETC. NOT INDICATED FOR DEMOLITION WHICH ARE REMOVED BY THE CONTRACTOR IN ORDER TO INSTALL NEW WORK SHALL BE REINSTALLED BY THE CONTRACTOR. IF EXISTING WORK IS DAMAGED IT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL SURFACES OR FINISHES THAT ARE DAMAGED OR OTHERWISE AFFECTED BY WORK OF THIS CONTRACT SHALL BE PATCHED, REPAIRED, PAINTED OR REPLACED TO MATCH THE PRE-EXISTING CONDITION AND THE NEW WORK.
- CONTRACTOR MAY PROPOSE ALTERNATE ROUTING IN DIFFICULT AREAS WHERE REPLACEMENT IN KIND IS NOT PRACTICAL. ANY AND ALL ALTERNATE ROUTING IS SUBJECT TO PRIOR REVIEW AND APPROVAL BY THE ENGINEER.
- A FIRE WATCH SHALL BE USED IF REQUIRED.

**FIRE PROTECTION SPECIFICATIONS**

15200.01 GENERAL

A. PROVISIONS OF THE GENERAL CONDITIONS AND SUPPLEMENTARY GENERAL CONDITIONS, WHETHER ATTACHED HERETO OR NOT, SHALL GOVERN ALL WORK UNDER THESE SECTIONS.

15200.02 SCOPE OF WORK

A. IT IS THE INTENT OF THESE SPECIFICATIONS TO FURNISH AND INSTALL A COMPLETE WET PIPE SPRINKLER PROTECTION SYSTEM FOR THE BUILDING AND A DRY SYSTEM FOR THE ATTIC, INCLUDING VALVES, SIAMESE CONNECTIONS, RISERS, AND ALARMS AS REQUIRED.

B. ALL AREAS SHALL BE SPRINKLED WITH WET-PIPE SYSTEMS. THE ATTIC WILL HAVE A DRY SYSTEM. EXTERIOR CANOPIES AND OPEN AREAS WILL NOT BE SPRINKLED UNLESS REQUIRED BY THE INSURANCE CARRIER OR OTHER AUTHORITIES HAVING JURISDICTION.

C. ALL UNHEATED SPACES WITHIN THE WET SYSTEM PART OF THE BUILDING SHALL BE PROTECTED WITH 1" INSULATION AND HEAT TRACING AT 3 WATTS PER FT. ANTIFREEZE LOOPS SHALL NOT BE PERMITTED.

D. SYSTEMS SHALL BE DESIGNED AND INSTALLED IN STRICT COMPLIANCE WITH NFPA STANDARD NO. 13 AND ALL STATE AND LOCAL CODES HAVING JURISDICTION.

E. ALL ELECTRICAL REQUIREMENTS FOR FIRE PROTECTION AND SPRINKLER SYSTEM ARE TO BE INSTALLED UNDER A SEPARATE CONTRACT.

15200.03 SHOP DRAWINGS

A. IT IS THE RESPONSIBILITY OF THE F.S.C. TO PROVIDE DETAILED DRAWINGS, SPECIFICATIONS & CALCULATIONS OF THE SPRINKLER SYSTEM & SHOP DRAWINGS OF EQUIPMENT, STAMPED & APPROVED BY AUTHORITIES HAVING JURISDICTION, INCLUDING FIRE MARSHALL & INSURANCE UNDERWRITERS, ARE REQUIRED FOR THIS WORK. DRAWINGS & CALCULATIONS SHALL BE PREPARED, SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER, & SHALL COMPLY WITH NFPA 13, CHAPTER 1.9, "WORKING PLANS," SHOW ON ALL DRAWINGS THE MATERIALS REQUESTED BY LOCAL AUTHORITIES.

B. INDICATE ALL DUCTWORK, LIGHTS AND OTHER OBSTRUCTIONS ON SHOP DRAWINGS TO SHOW PROPER INSTALLATION OF ALL SPRINKLER WORK. LABEL ALL INTERIOR, EXTERIOR AND UNHEATED AREAS FOR REVIEW CLARIFICATION. PROPER FREEZE PROTECTED SYSTEMS SHALL BE PROVIDED AS REQUIRED.

C. SUBMIT SUFFICIENT COPIES OF ALL DETAILED SHOP DRAWINGS TO ALL GOVERNING AUTHORITIES AND INSURANCE UNDERWRITERS TO ALLOW A FINAL SUBMITTAL TO OWNER OF SIX (6) COMPLETE SETS BEARING ALL APPROVAL STAMPS.

D. DO NOT SUBMIT DRAWINGS TO OWNER THAT DO NOT BEAR ALL REQUIRED APPROVAL STAMPS.

E. NO WORK SHALL BE INSTALLED UNTIL SHOP DRAWINGS, AS DESCRIBED ABOVE, HAVE BEEN REVIEWED AND APPROVED BY THE OWNER AND TENANT.

15200.04 WORKMANSHIP AND INSTALLATION

A. ALL SPRINKLER WORK MUST BE DONE BY A LICENSED SPRINKLER CONTRACTOR, APPROVED BY THE INSURANCE CARRIER AND LICENSED BY LOCAL AUTHORITIES.

B. NO WORK SHALL BE DONE UNTIL ALL SPRINKLER PLANS ARE APPROVED.

C. FURNISH ALL MATERIALS, LABOR, TOOLS, EQUIPMENT & SUPERVISION REQUIRED FOR THE INSTALLATION OF COMPLETE SYSTEMS & ALL NECESSARY PIPING, SPRINKLER HEADS, TEST CONNECTIONS, VALVES, DRAINS & SPRINKLER ALARMS, FLOW SWITCHES, HORNS OR GONGS, DETECTOR CHECK VALVES, SIAMESE FIRE DEPARTMENT CONNECTIONS, PRESSURE GAUGES, AND OTHER REQUIRED COMPONENTS.

D. ALL SPRINKLER PIPING SHALL BE CONCEALED IN ALL FINISHED AREAS AVOIDING INTERFERENCE WITH LIGHTS, DUCTS, PIPES, ETC. BALANCE MAY BE RUN EXPOSED WHERE HEADS CONFLICT WITH LUMINAIRES; LUMINAIRES TAKE PRECEDENCE.

E. CUTTING AND NOTCHING OF JOISTS IS NOT ACCEPTABLE.

F. SPRINKLER PIPING SHALL BE INSTALLED AT MAXIMUM HEIGHT ABOVE FLOOR AND A MINIMUM OF 12" ABOVE FINISHED CEILING TILES IN ALL LOCATIONS THROUGHOUT ENTIRE BUILDING UNLESS OTHERWISE SHOWN.

G. DO NOT HANG OR SUPPORT PIPE FROM TOP DECK.

H. ALL SPRINKLER MAINS 6" OR LARGER, WHEN PARALLEL WITH STRUCTURAL FRAMING, MUST BE SUPPORTED FROM TWO OR MORE STRUCTURAL MEMBERS.

I. SPRINKLER HEADS SHALL BE INSTALLED MAXIMUM OF 6" FROM CENTER OF CEILING TILES AND MINIMUM OF 3" FROM CEILING DIFFUSERS, RETURN AIR GRILLE, LIGHTING FIXTURES OR "J" BAR CONSTRUCTION. SEE REFLECTED CEILING PLANS.

J. SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONTROL WIRING AS SHOWN ON DRAWINGS AND CONTROL APPARATUS AS HERE IN AFTER SPECIFIED.

K. SPRINKLER CONTRACTOR SHALL CONSULT WITH WATER COMPANY AND PROVIDE ALL REQUIRED PIPING AND EQUIPMENT. ALL REQUIRED EQUIPMENT AND PIPING SHALL BE THE RESPONSIBILITY OF THE SPRINKLER CONTRACTOR. METER-BACK FLOW PREVENTERS FOR FIRE SERVICE SHALL BE FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR.

L. ALL INTERIOR PIPING TO BE OF SCHEDULE 40 BLACK STEEL PIPE WITH MECHANICAL-JOINT (WELDED), FITTINGS OR SCHEDULE 40 WITH THREADED FITTINGS OF THE TYPE AS RECOMMENDED BY THE INSURANCE UNDERWRITER. ALL MATERIALS SHALL BE NEW, OF THE BEST QUALITY AND OF THE TYPE AS RECOMMENDED BY THE INSURANCE UNDERWRITER. ALL MATERIALS SHALL BE NEW, OF THE BEST QUALITY AND WITH THE SAME BRAND OR MANUFACTURER USED FOR EACH CLASS OF MATERIAL. ALL VALVES SHALL BE UL TESTED & FACTORY MUTUAL APPROVED.

15200.05 PERMITS

A. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY ANY AND ALL FEES.

15200.06 ALARMS

A. PROVIDE LOCAL ALARMS CONSISTING OF: WATER MOTOR GONG BY SPRINKLER CONTRACTOR, ELECTRIC BELL AND FLASHING RED LIGHT BY ELECTRICAL SUB-CONTRACTOR.

B. FURNISH AND INSTALL THE FOLLOWING: ONE (1) WATER FLOW DETECTION DEVICE, ONE (1) SUPERVISORY DEVICE ON SHUTOFF VALVE. NOTE: PROVIDE A PULL BOX & MANDATORY PER THE LOCAL FIRE DEPARTMENT.

C. THE ELECTRIC WIRING FOR THE ALARM SYSTEM SHALL BE IN ACCORDANCE WITH NATIONAL BOARD OF FIRE UNDERWRITERS, PAMPHLET NO 77 AND NEC INSPECTED AND TESTED WITH REQUIREMENTS OF THE ASSOCIATED FACTORY MUTUALS. THE COST OF THIS ELECTRIC WIRING SHALL BE INCLUDED IN THE CONTRACT.

15200.07 FIRE DEPARTMENT SIAMESE HOSE CONNECTION

A. FIGURE #276, CATALOG #52 AS MADE BY W. D. ALLEN COMPANY OR ELKHART COMPANY #166 B, CATALOG #62. THREADS TO MATCH LOCAL FIRE DEPARTMENT CONNECTIONS. LOCATE 1'-6" FROM OUTSIDE FINISH GRADE TO CENTERLINE OF CONNECTIONS OR AS DIRECTED BY LOCAL FIRE DEPARTMENT.

15200.08 TEST DRAINS

A. ALL TEST DRAINS SHALL TERMINATE OUTSIDE THE BUILDING WHERE CODES PERMIT. OTHERWISE, THEY SHALL RUN TO AN APPROVED WASTE RECEIVER WHICH CONNECTS TO THE SANITARY WASTE SYSTEM.

15200.09 VALVE CHAIN AND PADLOCK

A. PROVIDE A CHAIN WITH WELDED EYES AND PADLOCK TO LOCK OPEN THE MAIN SPRINKLER CONTROL VALVES. CHAIN AND PADLOCK SHALL BE INSTALLED WHEN SPRINKLER SYSTEM HAS BEEN ACTIVATED.

15200.10 CERTIFICATION

A. WHEN COMPLETED, THE ENTIRE PIPING SYSTEM SHALL BE TESTED TO THE SATISFACTION OF THE FIRE MARSHALL AS REQUIRED BY THE RULES AND REGULATIONS OF THE AUTHORITIES HAVING JURISDICTION, AND MUST BE FREE OF LEAKS AND OTHER DEFECTS.

B. SPRINKLER CONTRACTOR MUST SUBMIT CERTIFICATION FROM THE INSURANCE CARRIER AND ANY OTHER AGENCIES HAVING JURISDICTION, INDICATING THAT THE SYSTEMS ARE APPROVED AS INSTALLED.

C. SUBMIT A TEST REPORT TO THE FIRE MARSHALL ON APPROVED FORMS.

15200.11 GUARANTEE

A. ALL EQUIPMENT AND WORKMANSHIP SHALL BE GUARANTEED AGAINST DEFECTIVE MATERIALS, LABOR, & IMPROPER DESIGN FOR A PERIOD OF ONE (1) YEAR AFTER ACCEPTANCE BY THE OWNER AND ARCHITECT.

B. SEE SUPPLEMENTARY GENERAL CONDITIONS FOR WARRANTY REQUIREMENTS.

C. THE CONTRACTOR SHALL PAY ALL APPLICATION AND LICENSING FEES AND MAINTAIN ALL LICENSES IN GOOD ORDER, RE-FILING WHERE REQUIRED BY THE FIRE MARSHALL.

**FIRE PROTECTION NOTES**

- THE DRAWINGS SHOW THE LAYOUT OF THE SYSTEM AND INDICATE THE APPROXIMATE LOCATIONS OF EQUIPMENT AND PIPING. CONTRACTOR IS CAUTIONED NOT TO SCALE THE DRAWINGS. THE PIPING SHALL BE RUN APPROXIMATELY IN THE AREAS AS INDICATED ON THE DRAWINGS. HOWEVER, TO THE ARRANGEMENT OF THE PIPING SYSTEMS AS MAY BE REFERENCED WITH WORK OF OTHER TRADES; CONTRACTOR SHALL REVIEW AND COORDINATE WITH STRUCTURAL, ELECTRICAL AND MECHANICAL DRAWINGS, PARTITIONS, STRUCTURAL MEMBERS, ETC. ARE DESIGNED TO BE FURRED OR CLOSED IN AND TO INCLUDE ROUGH-IN PIPING. CONTRACTOR SHALL FURNISH ALL OFFSETS, ADDITIONAL FITTINGS, ETC. WHETHER SHOWN ON DRAWINGS OR NOT, AS REQUIRED TO MEET INSTALLATION CONDITIONS.
- CONTRACTOR IS TO COMPLY WITH LATEST NFPA AND N.Y.S. CODES, AND COORDINATE HIS WORK WITH OTHER TRADES AND MAKE NECESSARY ADJUSTMENTS.
- CONTRACTOR IS TO PREPARE SHOP DRAWINGS FOR ENGINEERS REVIEW AFTER MAKING A COMPLETE FIELD SURVEY.
- CONTRACTOR IS TO REPORT ANY CONDITION REQUIRING CHANGES FROM PLANS TO ENGINEER PRIOR TO STARTING WORK.
- BRANCH LINES AND MAINS (1 1/2" OR LESS) - SCHEDULE 40 FM APPROVED
- BRANCH LINES AND MAINS (2" OR LARGER) - THINWALL (THICKNESS LESS THEN SCHEDULE 40 MORE THEN SCHEDULE 10 & FM APPROVED)
- HEAT BY OWNER THROUGHOUT INCLUDING CONCEALED SPACE, EXCEPT AS INDICATED.
- SYSTEM TO BE TURNED ON AT END OF EACH WORK DAY.
- CONTRACTOR IS TO PERFORM A HYDROSTATIC TEST FOR 2 HRS. @ 200 PSI WITH NO LEAKAGE AND PROVIDE A TEST CERTIFICATE TO ENGINEER
- CONTRACTOR IS TO EMPLOY EXPERIENCED WORKMEN WHO ARE TO FAMILIARIZE THEMSELVES WITH THE BUILDING AND OBSERVE SAFETY REQUIREMENTS.
- CONTRACTOR TO ADJUST HEAD LOCATION TO COORDINATE WITH LIGHTS, DUCTS, ETC.
- PENDENT DEFLECTORS MIN 2" BELOW CEILING
- PERMIT FROM LOCAL AUTHORITY, TO BE OBTAINED BY CONTRACTOR.
- ALL WORK TO BE APPROVED BY OWNERS ENGINEER, STATE AUTHORITIES HAVING JURISDICTION AND MUNICIPAL FIRE, PLUMBING, BUILDING AND WATER DEPARTMENTS.
- U.L. AND/OR FM APPROVED EQUIPMENT TO BE USED.
- WORK TO BE IN ACCORDANCE WITH MUNICIPAL WATER DEPT. RULES.
- SYSTEM IS TO BE MAINTAINED AND TESTED BY THE OWNER OR HIS AGENT IN ACCORDANCE WITH APPLICABLE LOCAL AND STATE CODES AND IN CONFORMANCE WITH NFPA 13A, LATEST EDITION.
- IF BUILDING OCCUPANCY OR CONSTRUCTION CHANGES, THE SPRINKLER SYSTEM IS TO BE UPDATED ACCORDINGLY BY THE OWNER OR HIS AGENT.
- CONTRACTOR IS TO NEATLY CUT AND PATCH IN A FIRST CLASS WORKMANLIKE MANNER, ALL HOLES AND PENETRATIONS IN WALLS, CEILINGS, FLOORS, PARTITIONS, ETC.
- THE ENGINEER IS NOT RETAINED FOR SUPERVISION.
- THE INSTALLATION OF THIS SYSTEM WILL REQUIRE THE CLOSING OF ONE OR MORE FIRE PROTECTION CONTROL VALVES. THESE VALVES SHALL BE CLOSELY COORDINATED WITH THE OWNERS WHO SHOULD CONTACT THE LOCAL FIRE DEPARTMENT, INSURANCE INTERESTS, ETC. PRIOR TO VALVE CLOSURES.
- ACTUAL DESIGN DENSITY MAY EXCEED STANDARDS. HOWEVER, IT IS A MINIMUM TO BE USED BY THE CONTRACTOR.
- ALL ALARMS RELATING TO THE SPRINKLER SYSTEM SHOULD BE ACTIVATED UPON PLACING THE SPRINKLER SYSTEM IN SERVICE.
- THE INSTALLATION COMPONENTS, SIZING, SPACING, MATERIALS LOCATION CLEARANCES, POSITION AND TYPE OF SYSTEM SHALL CONFORM TO NFPA 13 AND NYS UNIFORM FIRE PREVENTION BUILDING CODE LATEST EDITION.
- SPRINKLERS SHALL BE PROTECTED AGAINST FREEZING AND INJURY AS PER NFPA CODE.
- INSPECTION AND TESTS OF SPRINKLER SYSTEM SHALL BE CONDUCTED AS SPECIFIED IN NFPA CODE.
- WATER SUPPLY TEST PIPES AND GAUGES SHALL BE PROVIDED AS SPECIFIED IN CHAPTER 2-9 OF NFPA 13.
- PIPING SPECIFICATIONS, PIPE SCHEDULES, SYSTEM TEST PIPES, PROTECTION AGAINST CORROSION, DAMAGE FITTINGS, VALVES, HANGERS, SPRINKLERS, GUARDS AND SHIELDS SHALL BE IN ACCORDANCE WITH CHAPTER 3 OF NFPA 13, LATEST EDITION.
- STOCK OF EXTRA SPRINKLERS WILL BE FURNISHED AS PER CHAPTER 3 OF NFPA 13 (REQUIRED FOR EACH TEMPERATURE RATING).
- SPRINKLER ALARMS WILL BE IN ACCORDANCE WITH NFPA 13.
- SPACING, LOCATION AND POSITION OF SPRINKLERS SHALL BE IN ACCORDANCE WITH CHAPTER 4 OF NFPA 13.
- ALL BLIND SPACES EXCEEDING 6 INCHES IN WIDTH OR DEPTH WHICH CONTAIN COMBUSTIBLE MATERIAL SHALL BE SPRINKLERED.
- ALL PIPING PASSING THROUGH WALLS SHALL COMPLY WITH NFPA FOR FIRE PROOFING.
- DISTANCE OF SPRINKLERS FROM HEAT SOURCES SHALL BE IN ACCORDANCE WITH TABLE 3-16.6.3 OF NFPA 13.
- AUTOMATIC INTERLOCK CUTOFF SWITCH FOR VENTILATION SHALL BE BY HVAC FAN SHUTDOWN.
- PROVIDE WATER SUPPLY LETTER WITH FLOW TEST DATA.
- ALL PIPES PASSING THROUGH FOUNDATION WALLS TO BE PROTECTED.
- ALL VALVES SHALL BE IDENTIFIED AS REQUIRED BY NFPA 13.
- DRAINAGE TO CONFORM TO CHAPTER 3-11 OF NFPA 13.
- A ONE PIECE REDUCING FITTING OF GOOD DESIGN SHOULD BE USED WHEREVER A CHANGE IS MADE IN THE SIZE OF PIPE AS PER SECTION 3-12.2.7 OF NFPA 13.
- ALL VALVES ON CONNECTIONS TO WATER SUPPLIES AND IN SUPPLY TO SPRINKLERS SHALL BE APPROVED O.S. &Y. OR APPROVED INDICATOR TYPE WITH TAMPER SWITCHES.
- DRAIN VALVES AND TEST VALVES SHALL BE APPROVED TYPE AS PER SECTION 3-14.1.2 OF NFPA 13.
- HANGERS SHALL BE OF A TYPE APPROVED FOR USE WITH THE PIPE OR TUBE INVOLVED. SPRINKLER PIPING SHOULD BE SUPPORTED BY ADJUSTABLE HANGERS PER NFPA 13, SECTION 3-15.
- PROVISIONS SHOULD BE MADE TO FACILITATE FLUSHING SYSTEM PIPING BY PROVIDING FLUSHING CONNECTIONS CONSISTING OF A CAPPED NIPPLE 4' LONG ON THE END OF THE CROSS MAIN, AS PER SECTION 3-8.2 OF NFPA 13.
- SPRINKLER SHALL BE AN APPROVED TYPE AS PER SECTION 3-16 OF NFPA 13.
- TEMPERATURE RATING SHALL COMPLY WITH SEC. 3-16.6 OF NFPA 13.
- CLEARANCES BETWEEN SPRINKLERS AND STORAGE OR PARTITIONS AS PER NFPA 13, SECTION 4-2.5.
- SPACING AND LOCATION OF SPRINKLER SHALL COMPLY WITH CHAPTER 4 NFPA 13. OF
- CONTRACTOR TO COORDINATE HIS WORK WITH OTHER TRADES.
- HEAT IS TO BE PROVIDED THROUGHOUT THE ENTIRE AREA THAT PIPING, EQUIPMENT AND HEADS ARE INSTALLED.
- ONLY EXPERIENCED SPRINKLER MECHANICS TO WORK ON THE SYSTEM.
- ALL PIPING TO BE A MINIMUM OF 1" UNLESS OTHERWISE NOTED.
- PROVIDE WATER SHIELDS OVER ALL / SURFACE MOUNTED ELECTRIC PANELS AND EQUIPMENT IN ELECTRICAL ROOMS PER NFPA & LOCAL FIRE MARSHALL REQUIREMENTS.
- PROVIDE SHOP DRAWINGS WITH HYDRAULIC CALCULATIONS FOR REVIEW TO LOCAL FIRE MARSHALL AND INSURANCE UNDERWRITER AND ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
- ALL FIRE PROTECTION EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS REQUIREMENTS/SPECIFICATIONS.
- ALL FIRE PROTECTION EQUIPMENT SHALL BE MOUNTED ON MINIMUM 6" HIGH CONCRETE PAD UNLESS OTHERWISE NOTED (PAVER AND CONCRETE BLOCK IS NOT ACCEPTABLE).

**SHOP DWGS/EQUIPMENT SUBMITTALS**

THE CONTRACTOR IS RESPONSIBLE TO SUBMIT ALL ITEMS FOR REVIEW/APPROVAL BY NO MORE THAN 3 WEEKS AFTER THE CONTRACTORS CONTRACT HAS BEEN AWARDED. ALL SUBMITTALS MUST BE SENT TOGETHER AS A SINGLE PACKAGE WITH MANUFACTURERS SPECIFIC MODELS AND SPECIFICATIONS OUTLINED TO MATCH THE SCHEDULED REQUIREMENTS. EACH SUBMITTAL MUST BE LABELED WITH THE UNIT DESIGNATION USED WITHIN THIS DRAWING SET. IF THE SUBMITTAL PACKAGE IS FOUND TO BE INCOMPLETE UPON RECEIPT, THE PACKAGE WILL BE HELD AND WILL NOT BE REVIEWED UNTIL THE REMAINDER OF THE PACKAGE IS RECEIVED. ALL SHOP DRAWINGS AND SUBMITTALS SHALL BE SUBMITTED ELECTRONICALLY TO THE ENGINEER FOR REVIEW. CONTRACTOR SHALL NOT PURCHASE OR INSTALL ANY EQUIPMENT UNTIL WRITTEN ACCEPTANCE IS OBTAINED FROM THE ENGINEER.

NOTE: REFER TO SPECIFICATIONS FOR FURTHER SHOW DRAWING REQUIREMENTS, IF CONFLICTS ARISE, CONTACT DESIGN ENGINEER BEFORE FABRICATION.

**SCOPE OF WORK:**

- THE INSTALLATION OF NEW WET FS SYSTEM.
- PROPOSED FIRE SPRINKLER HEAD LOCATIONS AND PIPING ARE AS NOTED ON PLANS. EXACT PIPING FROM THE FIRE SPRINKLER MAIN TO ALL HEADS IS TO BE COORDINATED AND HYDRAULICALLY CALCULATED BY THE F.S.C. & SUBMITTED TO THE ENGINEER FOR APPROVAL.

NOTE: THIS SCOPE OF WORK DESCRIPTION IS PROVIDED TO GIVE AN OVERALL "MACRO" DESCRIPTION OF THIS PROJECT. F.S.C. IS RESPONSIBLE TO REVIEW ALL ENGINEERING AND ARCHITECTURAL DRAWINGS AND VISIT THE SITE IF NEEDED, PRIOR TO SUBMISSION OF BID.

**DOB DISCLAIMER NOTE:**

\*THIS PLAN APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.



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CONSULTANT:

**ISSUE/REVISION:**

NO.	DATE	DESCRIPTION



**DRAWING TITLE: FIRE PROTECTION NOTES, SYMBOLS, & NOTES**

DRAWN BY: Author  
CHECKED BY: Checker  
SCALE: 1/8" = 1'-0"  
PROJECT NO.: 21-125-2125.04  
DRAWING NO.:

**FP-001**

PROJECT LOCATION: 824 902 (Town of Wayland On Call Task ORDER#125-125-04 - Wayland Senior Center - Project 03/24  
DATE & TIME PRINTED: 30/03/22 10:30 PM



TOWN OF WAYLAND

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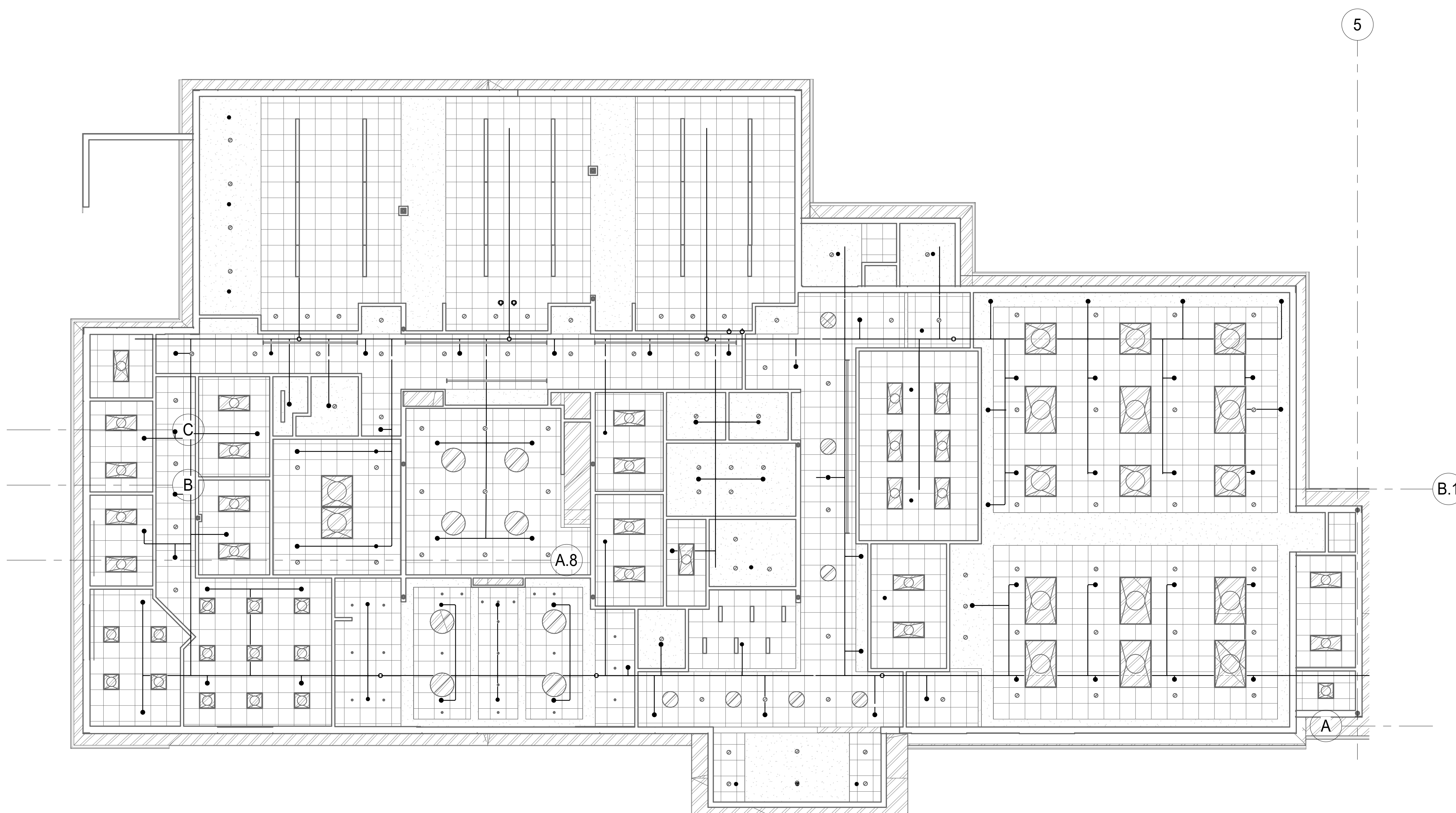
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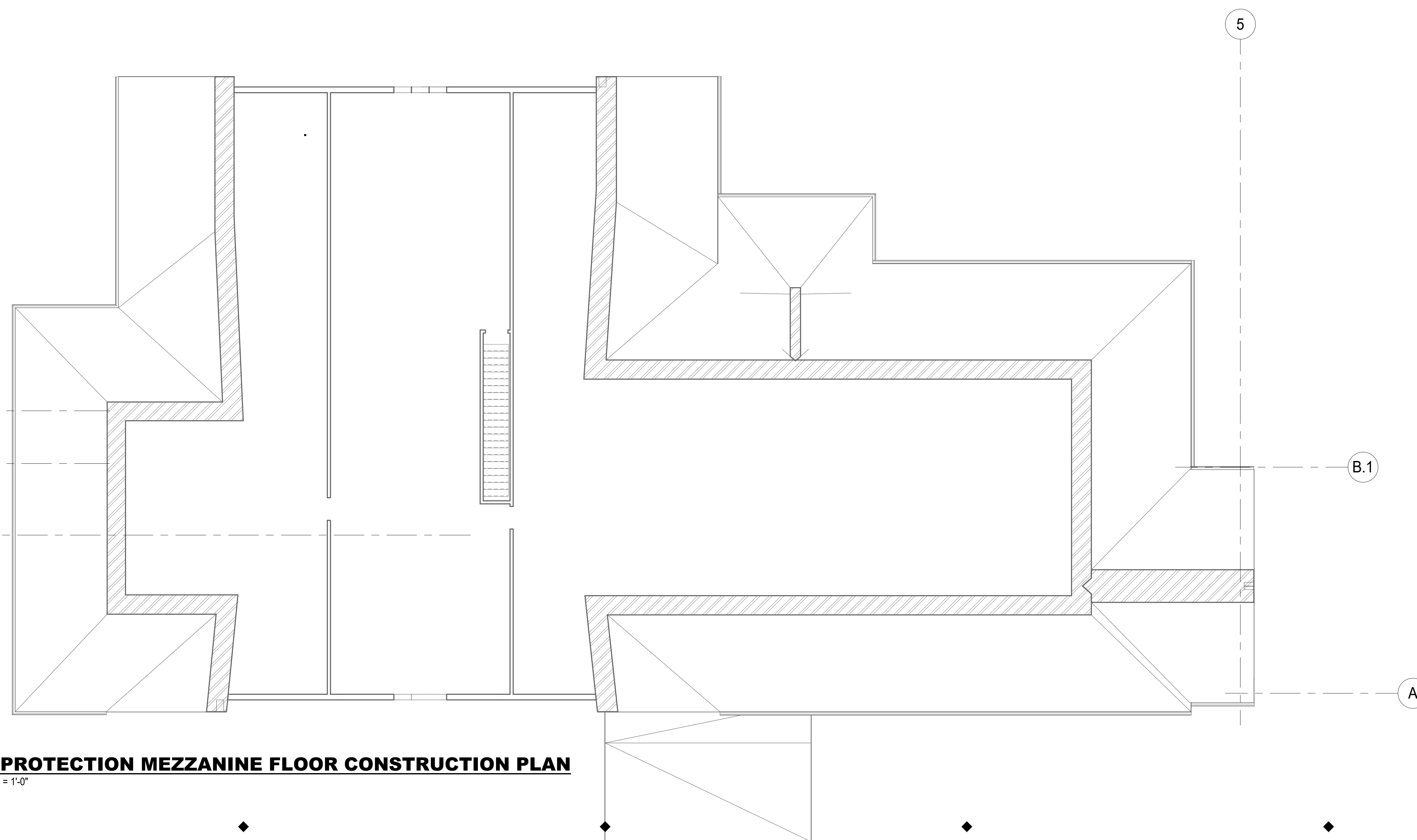
CONSULTANT:

**FIRE PROTECTION CONS. NOTES**

1. XXX
2. XXX
3. XXX



**FIRE PROTECTION GROUND FLOOR CONSTRUCTION PLAN**  
SCALE: 1/8" = 1'-0"

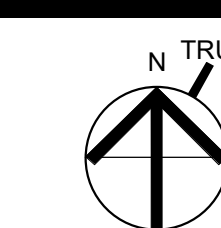


**FIRE PROTECTION MEZZANINE FLOOR CONSTRUCTION PLAN**  
SCALE: 1/8" = 1'-0"

**ISSUE/REVISION:**

NO.	DATE	DESCRIPTION

KEY PLAN:



**DRAWING TITLE:**  
FIRE PROTECTION  
CONSTRUCTION PLAN

DRAWN BY:	Author	SEAL:
CHECKED BY:	Checker	
SCALE:	As indicated	
PROJECT NO.:	21-125-2125.04	
DRAWING NO.:	FP-201	

PROJECT LOCATION:  
8th St. (off Hwy 1) Wayland On G&B TRK ORDER#21-125-2125.04 - Wayland Senior Center - Project 03/24  
DATE & TIME PRINTED: 10/6/2022 1:05:54 PM

### HVAC DEMOLITION NOTES

1. THE EXISTING SYSTEMS AND EQUIPMENT, AS DOCUMENTED WITHIN THIS DRAWING PACKAGE, ARE BASED UPON AVAILABLE RECORD DRAWINGS AND/OR LIMITED FIELD OBSERVATION BY THE ENGINEER(S). CONTRACTOR SHALL BE ADVISED THAT ACTUAL EXISTING CONDITIONS MAY DIFFER FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL INCLUDE IN HIS BID A REASONABLE ALLOWANCE FOR ACCOMMODATING UNFORESEEN CONDITIONS IN THE FIELD AT NO ADDITIONAL COST TO THE OWNER. ALLOWANCE SHALL BE ALIGNED WITH FIELD CONDITIONS OBSERVED BY CONTRACTOR PRIOR TO SUBMITTING BID.
2. CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING FINAL PRICING. DURING VISIT, CAREFULLY EXAMINE SITE TO IDENTIFY EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT WORK OF THIS SECTION. NO EXTRA PAYMENT WILL BE ALLOWED FOR ADDITIONAL WORK CAUSED BY UNFAVORABLE SITE CONDITIONS THAT ARE VISIBLE OR READILY CONSTRUED BY AN EXPERIENCED OBSERVER. SITE VISIT IS PARTICULARLY CRITICAL WHEN DOING RENOVATION WORK.
3. PROVIDE ADVANCED NOTICE AND OBTAIN APPROVAL FROM OWNERS FACILITY PERSONNEL A MINIMUM OF TWO WEEKS PRIOR TO ANY SHUT-DOWN OF SERVICES OR DISRUPTION TO OCCUPANTS USE OF THE BUILDING. CRITICAL BUILDING SERVICES MAY REQUIRE ADDITIONAL ADVANCED NOTICE TIME. CONSTRUCTION SCHEDULE SLIP DUE TO LACK OF UNDERSTANDING OF BUILDING OWNERS SHUTDOWN PROCEDURES ARE NOT ACCEPTABLE.
4. CONTRACTOR SHALL TAKE CARE DURING THE DEMOLITION OF INDICATED SYSTEMS, AS NOT TO DAMAGE OR INTERRUPT ADJACENT BUILDING SYSTEMS AND SERVICES TO REMAIN. DAMAGE TO EXISTING SYSTEMS AND EQUIPMENT CAUSED BY THIS CONTRACTOR DURING DEMOLITION OF THEIR SCOPE OF WORK SHALL BE REPAIRED AND/OR REPLACED AT THIS CONTRACTOR'S EXPENSE.
5. COORDINATION DEMOLITION WORK WITH OTHER TRADES SO THAT COMPONENTS ARE DISCONNECTED AND REMOVED PROPERLY AND IN A SAFE MANNER.
6. THIS DRAWING SHALL BE CONSIDERED DIAGNOSTIC AND DOES NOT INDICATE THE FULL EXTENT OF DUCTWORK, PIPING AND AUXILIARY COMPONENTS TO BE REMOVED. EQUIPMENT AND SYSTEMS INDICATED FOR DEMOLITION SHALL INCLUDE ALL CONNECTED DUCTWORK, PIPING, CONTROLS, ELECTRICAL, CONDENSATE AND DISCONNECTS, LOW VOLTAGE WIRING, SUPPORT ATTACHMENTS, AND ANY OTHER ASSOCIATED AUXILIARY DEVICES SHOWN OR NOT SHOWN AS REQUIRED TO COMPLETE THE INTENTION OF THE DEMOLITION WORK OF THIS CONTRACT. COORDINATE REMOVAL OF ELECTRICAL POWER FEEDS WITH ELECTRICAL CONTRACTOR FOR PROPER REMOVAL AND RELABELING AT POWER PANEL.
7. EQUIPMENT INDICATED FOR DEMOLITION WITH REFRIGERANT SHALL BE EVACUATED, COLLECTED, AND RETURNED TO EPA LICENSED REFRIGERANT RECLAIM FACILITY IN ACCORDANCE WITH EPA GUIDELINES. CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION OF MECHANICAL EQUIPMENT AND MATERIAL RELATING TO THEIR RESPECTIVE TRADE.
8. THE CONTRACTOR SHALL REMOVE, RELOCATE, REPLACE, ADJUST, ADAPT AND MODIFY EXISTING EQUIPMENT AND/OR SYSTEMS AS REQUIRED WHEN SUCH WORK IS UNCOVERED AND FOUND TO INTERFERE WITH COMPLETION OF WORK IN THIS CONTRACT OR OTHER CONTRACT WORK.
9. EXECUTE THE DEMOLITION IN CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO THE PUBLIC, EGRESS OR THE FUNCTIONING OF THE EXISTING BUILDING.
10. TAKE NECESSARY PRECAUTIONS TO PREVENT DUST AND DIRT FROM ISSUING BY WETTING DEMOLISHED DEBRIS. EXCESSIVE USE OF WATER WILL NOT BE PERMITTED.
11. PRIOR TO DEMOLITION, CONTRACTOR SHALL REVIEW WITH OWNER ALL MATERIALS TO BE REMOVED. SHOULD THE OWNER WANT TO KEEP ANY MATERIALS THE CONTRACTOR SHALL REMOVE AND DELIVER THE PARTS TO THE OWNER ON THE SITE WHERE SO DIRECTED. OTHERWISE ALL DEMOLISHED OR REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND BE DISPOSED OF IN A LEGAL MANNER.
12. DEMOLITION SHALL INCLUDE REMOVAL OF ALL PARTS AND PIECES IN THEIR ENTIRETY BACK TO POINTS INDICATED OR IF NOT INDICATED BACK TO THEIR POINT OF SOURCE.
13. WHERE CONDITIONS PROHIBIT TOTAL REMOVAL OF THE WORK, THE REMAINING PORTION SHALL BE CUT FLUSH WITH THE SURROUNDING SURFACE AND BE CAPPED, PLUGGED OR SEALED AND THE SURROUNDING SURFACE SHALL BE REFINISHED IN AN APPROVED MANNER.
14. DO NOT REMOVE EXISTING STRUCTURAL WORK. DO NOT REMOVE OPERATIONAL ELEMENTS AND SAFETY-RELATED COMPONENTS IN A MANNER RESULTING IN A REDUCTION OF CAPACITIES TO PERFORM IN THE MANNER INTENDED OR RESULTING IN DECREASED OPERATIONAL LIFE, INCREASED MAINTENANCE OR DECREASED SAFETY.
15. REMOVALS, DISCONNECTIONS, AND RELOCATIONS SHALL BE PERFORMED BY WORKMEN SKILLED IN THE TRADE INVOLVED AND SHALL BE EMPLOYED BY A CONTRACTOR LICENSED IN THE TRADE INVOLVED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ACCEPTED TRADE PRACTICES.
16. PROVIDE ADEQUATE TEMPORARY SUPPORT FOR WORK TO REMAIN, TO PREVENT FAILURE. DO NOT ENDANGER OTHER WORK.
17. PROTECTION: PROVIDE ADEQUATE PROTECTION WHERE REQUIRED FOR THE PRESENT BUILDING AND ITS CONTENTS. TEMPORARY DUSTPROOF BARRIERS AND BARRICADES SHALL BE ERRECTED WHERE REQUIRED FOR PROTECTION OF PERSONNEL, PROTECTION FROM DUST AND DIRT, FOR SECURITY, FIRE AND WEATHER PROTECTIVE REASONS.
18. CONTRACTOR SHALL TAKE EVERY PRECAUTION AGAINST FIRE BY EMPLOYING FIRE DEPARTMENT TYPE HOSES AND PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY OSHA AND/OR THE OWNERS INSURANCE UNDERWRITER.
19. BEFORE STARTING DEMOLITION OPERATIONS, PROVIDE THE NECESSARY PROTECTIVE DEVICES, WHERE REQUIRED, AND IN STRICT ACCORDANCE WITH OSHA RULES AND REGULATIONS.
20. USE TEMPORARY ENCLOSURES, OR OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING TO LOWEST PRACTICAL LEVEL. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
21. ALL EXISTING EQUIPMENT REQUIRED TO BE REUSED SHALL BE CLEANED, RECONDITIONED, CALIBRATED AND ADJUSTED. IN ALL INSTANCES WHERE CONTRACTOR FINDS THAT EXISTING EQUIPMENT IS DEFECTIVE TO THE POINT WHERE IT CANNOT BE PROPERLY RESTORED AND WILL NOT OPERATE PROPERLY, HE SHALL REPORT THE SPECIFIC INSTRUMENTS OR EQUIPMENT TO THE ARCHITECT/ENGINEER FOR DIRECTIONS.
22. CONTRACTOR SHALL ESTABLISH A PATH OF TRAVEL AND TIME SCHEDULE FOR THE REMOVAL OF ALL DEBRIS AND WASTE, AND HAVE THIS APPROVED BY OWNER. CONTRACTOR IS TO ENSURE THAT ALL CORRIDORS AND PUBLIC AREAS BE KEPT FREE OF OBSTRUCTIONS, DEBRIS, AND ARE TO BE BROOM SWEEP CLEAN AT ALL TIMES.

### HVAC GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE PURCHASED AND INSTALLED IN ACCORDANCE WITH ALL NATIONAL & MASSACHUSETTS STATE CODES AND REGULATIONS (AS WELL AS ALL APPLICABLE LOCAL CODES & REGULATIONS). THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL HVAC WORK IS PROVIDED AND INSTALLED IN STRICT ACCORDANCE WITH THESE REQUIREMENTS.
2. DO NOT SCALE FROM THESE DRAWINGS.
3. THE EXACT MOUNTING HEIGHTS AND LOCATIONS OF ALL HVAC EQUIPMENT SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL OTHER MECHANICAL, ELECTRICAL, PLUMBING, FIRE SPRINKLER, ARCHITECTURAL AND STRUCTURAL SYSTEMS. DURING SHOP DRAWINGS SUBMISSIONS, SHOW ALL MOUNTING HEIGHTS OF DUCTWORK UNITS, ETC.
4. THE FINISH AND COLOR OF THE AIR DEVICES, AND ALL OTHER EXPOSED HVAC EQUIPMENT SHALL BE COORDINATED WITH THE ARCHITECT.
5. VERIFY ALL EQUIPMENT VOLTAGES PRIOR TO ORDERING EQUIPMENT.
6. PROVIDE PHASE LOSS PROTECTION FOR ALL POLY-PHASE MOTOR DEVICES.
7. THE FINAL LOCATION OF AIR DEVICES MUST BE COORDINATED WITH THE REFLECTED CEILING PLAN AND ALL OTHER MECHANICAL, ELECTRICAL, SPRINKLER, ARCHITECTURAL, AND STRUCTURAL SYSTEMS.
8. DUCT SIZES MUST BE VERIFIED FOR CLEARANCES AT THE JOB SITE PRIOR TO FABRICATION. DIMENSIONS MAY BE CHANGED TO ACCOMMODATE CONSTRUCTION AS LONG AS EFFECTIVE CROSS-SECTIONAL AREA IS MAINTAINED. DUCT TRANSITIONS SHALL BE CONSTRUCTED WITH A SLOPE OF 1" TO 4". ALL DEVIATIONS FROM ORIGINAL CONTRACT DRAWINGS SHALL BE REVIEWED BY ENGINEER DURING THE SHOP DRAWING PROCESS.
9. PROVIDE MANUAL BALANCING DAMPERS AS REQUIRED TO PROPERLY BALANCE EACH INDIVIDUAL AIR DISTRIBUTION SYSTEM. IF THE LOCATION OF THE BALANCING DAMPER IS NOT DEFINED ON THE DRAWINGS, THE FOLLOWING MINIMUM STANDARDS SHALL GOVERN. ALL SUPPLY, RETURN, AND EXHAUST MAIN BRANCHES FROM TRUNKS, EACH SPLIT AND ALL SUB-BRANCHES FROM MAIN SHALL INCORPORATE BALANCING DAMPERS.
10. PROVIDE FLEXIBLE CONNECTORS AT ALL DUCT CONNECTIONS TO VIBRATING EQUIPMENT. THESE CONNECTORS SHALL BE INSTALLED IN CLOSE PROXIMITY TO SUCH EQUIPMENT.
11. PROVIDE FIRE DAMPERS WITH RATED ACCESS DOORS AT ALL DUCT PENETRATIONS THROUGH FIRE RATED WALLS, SMOKE AND FIRE STOPPING PARTS, FLOORS, RATED CEILINGS AND PARTITIONS AS REQUIRED TO MAINTAIN ARCHITECTURAL FIRE RATINGS. REFER TO THE ARCHITECTURAL PLANS AND SPECIFICATIONS FOR LOCATIONS AND FIRE RATING REQUIREMENTS. MC MUST FULLY REVIEW ALL ARCHITECTURAL AND ENGINEERING DRAWINGS AND VISIT THE SITE PRIOR TO SUBMITTING THE BID. NO EXTRAS WILL BE ALLOWED.
12. ALL ACCESS DOORS REQUIRED IN GENERAL CONSTRUCTION ARE TO BE FURNISHED AND INSTALLED BY THE GENERAL CONTRACTOR. IT IS THE RESPONSIBILITY OF THE HVAC CONTRACTOR TO IDENTIFY SIZE, TYPE AND LOCATION OF SUCH DOORS FOR PROPER ACCESS TO ALL CONCEALED HVAC EQUIPMENT, VALVES AND OTHER RELATED EQUIPMENT. THE HVAC CONTRACTOR SHALL IDENTIFY THESE REQUIREMENTS ON A COORDINATED SHOP DRAWING PRIOR TO SYSTEM FABRICATION AND INSTALLATION.
13. ALL WALL AND ROOF OPENINGS 12" X 12" OR LARGER ARE TO BE EQUIPPED WITH BURGLAR BARS USING 5/8" DIAMETER RODS RUNNING 12" ON CENTER IN BOTH DIRECTIONS AND WELDED AT ALL INTERSECTING POINTS. SECURE THE PERIMETER FRAME ASSEMBLY TO THE WALL OR ROOF FRAMED OPENING.
14. ALL CEILING MOUNTED EQUIPMENT MUST BE SUPPORTED DIRECTLY FROM BUILDING STRUCTURE WITH COMBINATION SPRING AND RESORBINE IN-SHEAR HANGERS AND ROD. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED TO ADEQUATELY SUPPORT THE LOAD.
15. IF APPLICABLE, ROOFTOP HVAC EQUIPMENT SHALL BE MOUNTED ON ROOF CURBS, LEVEL AND SUFFICIENTLY AWAY FROM EDGE OF ROOF (MIN. 10'-0"). ALL EXPOSED DUCTWORK PENETRATIONS MUST BE PROPERLY FLASHED TO ALLOW FOR A WEATHER TIGHT SEAL. IN ADDITION, ADEQUATE CLEARANCES SHALL BE PROVIDED FOR CLEANING AND MAINTENANCE REQUIREMENTS. THE FINAL LOCATION OF ALL ROOFTOP UNITS MUST ALSO COMPLY WITH ALL OSHA SAFETY REQUIREMENTS. SUBMIT THE FOLLOWING ITEMS TO THE ENGINEER FOR REVIEW AND APPROVAL: (A) DUCTWORK ROOF PENETRATION FLASHING MATERIALS METHODS, AND (B) EXACT STRUCTURAL FASTENING MATERIALS METHODS, LOCATIONS TO PROPERLY SECURE THE ROOF-TOP EQUIPMENT TO THE STEEL DUNNAGE.
16. CONTRACTOR IS TO PROVIDE & INSTALL 120V SMOKE DETECTORS WITH AUXILIARY CABLES. UPON ACTIVATION THE SMOKE DETECTORS SHALL SHUT DOWN THE AIR DISTRIBUTION SYSTEMS AND ACTIVATE A VISIBLE AND AUDIBLE SUPERVISOR SIGNAL AT A CONSTANTLY ATTENDED LOCATION IN ACCORDANCE WITH NFPA 90A & 90B. THE M.C. IS RESPONSIBLE FOR WIRING BETWEEN THE FAN SHUTDOWN RELAY AND THE HVAC UNIT.
17. RIGGING OF NEW EQUIPMENT TO BE SCHEDULED/COORDINATED WITH OWNER REP. COORDINATE RIGGING WITH ANY REQUIREMENT MANDATED BY THE LOCAL BUILDING DEPARTMENT AND/OR ANY OTHER AGENCIES INCLUDING SUCH PERMITS, FEES, ETC.
18. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS REQUIREMENTS/SPECIFICATIONS.
19. ALL MECHANICAL EQUIPMENT SHALL BE MOUNTED ON MINIMUM 6" HIGH CONCRETE PAD UNLESS OTHERWISE NOTED. PAPER AND CINDER BLOCK IS NOT ACCEPTABLE. PADS ARE TO BE FURNISHED BY GC.
20. CONTRACTOR TO LOCATE DIFFUSERS AND REGISTERS ON THE ARCHITECTURAL REFLECTED CEILING PLAN AND LAYOUT DUCT DISTRIBUTION ACCORDINGLY.

### SCOPE OF WORK:

1. DEMOLITION OF ALL EXISTING MECHANICAL EQUIPMENT AND DUCTWORK
2. INSTALLATION OF NEW VRF SYSTEM
3. INSTALLATION OF NEW ERV
4. INSTALLATION OF NEW DUCTWORK
5. INSTALLATION OF NEW REFRIGERANT PIPING
6. ASSOCIATED CONTROLS

NOTE: THIS SCOPE OF WORK DESCRIPTION IS PROVIDED TO GIVE AN OVERALL "MACRO" DESCRIPTION OF THIS PROJECT. CONTRACTOR IS RESPONSIBLE TO REVIEW ALL ENGINEERING AND ARCHITECTURAL DRAWINGS AND VISIT THE SITE IF NEEDED, PRIOR TO SUBMISSION OF BID. REFER TO SPECIFICATIONS FOR FURTHER SCOPE OF WORK. IF CONFLICTS ARISE, CONTACT DESIGN ENGINEER BEFORE FABRICATION.

### CODE REFERENCE

1. MASSACHUSETTS NINTH EDITION CMR 780, WHICH CONSISTS OF:
  - a. 2015 INTERNATIONAL BUILDING CODE WITH MODIFICATIONS
  - b. 2015 INTERNATIONAL EXISTING BUILDING CODE WITH MODIFICATIONS
  - c. 2015 INTERNATIONAL MECHANICAL CODE WITH MODIFICATIONS
  - d. 2018 INTERNATIONAL ENERGY CONSERVATION CODE WITH MODIFICATIONS
2. 2016 NFPA 70 - NATIONAL ELECTRIC CODE
3. 2016 NFPA 90A - STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS

### ABBREVIATIONS:

AAV	AUTOMATIC AIR VENT
ACC	AIR COOLED CONDENSER
ACU	AIR CONDENSING UNIT
ACV	AUTOMATIC CONTROL VALVE
AD	ACCESS DOOR
AE	ACID EXHAUST
AFF	ABOVE FINISHED FLOOR
AHF	AIR HANDLING UNIT
ATC	AUTOMATIC TEMPERATURE CONTROL
AV	AIR VENT
B	BOILER
BB	BASEBOARD
BDD	BACKDRAFT DAMPER
BLDG	BUILDING
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
CB	COUNTER BALANCED DAMPER
CD	CEILING DIFFUSER
CF	CAPPED FOR FUTURE
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CLG	CEILING
CO	CLEAN OUT
CONT	CONTINUATION
COORD	COORDINATE
CR	CONDENSATE PUMP & RECEIVER
CRP	COMPUTER ROOM AIR CONDITIONER
CT	COOLING TOWER
CTE	CONNECT TO EXISTING
CU	COPPER
CUH	CABINET UNIT HEATER
CV	CONTROL VALVE
DC	DOUBLE CONTAINED
DDC	DIRECT DIGITAL CONTROL
DIA	DIAMETER
DIC	DOWN IN CHASE
DIW	DOWN IN WALL
DN	DOWN
DWG	DRAWING
DWH	DOMESTIC WATER HEATER
ED	EXISTING TO REMAIN
EA	EXHAUST AIR
EF	EXHAUST FAN
EG	EXHAUST GRILLE
ENC	ENCLOSURE
ER	EXHAUST REGISTER
(ER)	EXISTING IN NEW LOCATION
ETR	EXISTING TO REMAIN
EX	EXHAUST FAN
FBO	FURNISHED BY OWNER
FBP	FACE AND BYPASS
FC	FLEXIBLE CONNECTION
FD	FIRE DAMPER
FG	FIBERGLASS
F & T	FLOAT AND THERMOSTATIC
FO	FLOAT OVAL
FTR	FINNED TUBE RADIATION
FS	FLOW SWITCH
FSD	COMBINATION FIRE/SMOKE DAMPER
G.C.	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
HB	HOSE BIB
HP	HEAT PUMP
HRU	HEAT RECOVERY UNIT
HTR	HEATER
HUM	HUMIDIFIER
(L)	EXISTING IN NEW LOCATION
LD	LINED DUCT
LSD	LINEAR SLOT DIFFUSER
MAU	MAKE UP AIR UNIT
MAX	MAXIMUM
MBH	1000 BTU/HR
MD	MOTOR OPERATED DAMPER
ME	MECHANICAL ENGINEER
MFR	MANUFACTURER
MIN	MINIMUM
MPV	MULTI-PURPOSE VALVE
MNT	MOUNTED
MUA	MAKE UP AIR
(N)	NEW
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OBVD	OPPOSED BLADE VOLUME DAMPER
OED	OPEN ENDED DUCT
PPE	PRE PURCHASED EQUIPMENT
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE
(R)	EXISTING TO BE DISCONNECTED AND REMOVED
RA	RETURN AIR
RF	RETURN FAN
RG	RETURN GRILLE
RHC	REHEAT COIL
RHP	RADIANT HEATING PANEL
(RL)	EXISTING TO BE DISCONNECTED AND RELOCATED
RM	ROOM
(RP)	EXISTING TO BE REPLACED
RR	RETURN REGISTER
RV	RELIEF VALVE
RVD	REMOTE VOLUME DAMPER
S	SUPPLY AIR
SD	SMOKE DETECTOR
SF	SUPPLY FAN
SG	SUPPLY GRILLE
SR	SUPPLY REGISTER
SS	STAINLESS STEEL
T	THERMOSTAT
TG	TRANSFER GRILLE
TOD	TOP OF DUCT
TOP	TOP OF PIPE
TTS	TIGHT TO STEEL
TYP	TYPICAL
UH	UNIT HEATER
UP	UP IN CHASE
UIW	UP IN WALL
VAV	VARIABLE AIR VOLUME BOX
VB	VACUUM BREAKER
VCFF	VALVED AND CAPPED FOR FUTURE
VD	MANUAL VOLUME DAMPER
VIF	VERIFY IN FIELD
VTR	VENT THRU ROOF
W/	WITH
WEG	WALL EXHAUST GRILLE
WSG	WALL SUPPLY GRILLE
WRG	WALL RETURN GRILLE
WMS	WIRE MESH SCREEN
THE ABBREVIATIONS ARE SHOWN FOR GENERAL REFERENCE ONLY. THE PRESENCE OF AN ABBREVIATION ON THIS LIST DOES NOT IMPLY ITS USE ON THIS PROJECT. REFER TO DRAWINGS FOR SPECIFIC ABBREVIATIONS USED.	

### HVAC AIR DISTRIBUTION AND GENERAL SYMBOLS

IDENTIFIER	DESCRIPTION	IDENTIFIER	DESCRIPTION	SINGLE LINE	DOUBLE LINE
	SPIRAL DUCTWORK WITH 1" ACOUSTICAL LINING HARD DUCT CONNECTION TO ROUND DIFFUSER DUCTWORK TO BE PAINTED TO COLOR SPECIFIED BY ARCHITECT		FLAT PLEATED FILTER		
	NEW DUCTWORK OR PIPING		CARTRIDGE FILTER		
	EXISTING DUCTWORK OR PIPING TO REMAIN		HUMIDIFIER		
	HEAT TRACE PIPE		COIL - PRE-HEAT		
	DOUBLE-LINE AND SINGLE-LINE RECTANGULAR DUCT, FIRST NUMBER INDICATES SIDE IN VIEW IN INCHES, SECOND NUMBER INDICATES SIDE IN DEPTH IN INCHES		COIL - COOLING		
	FLEXIBLE DUCTWORK		COIL - HEATING		
	REGULAR SUPPLY AIR DUCT (UP AND DOWN)		ELECTRIC HEATER		
	REGULAR RETURN AIR DUCT (UP AND DOWN)		AVERAGING DEVICE XX-DEVICE TYPE YY - SIGNAL TYPE		
	ROUND SUPPLY AIR DUCT (UP AND DOWN)		PUMP		
	ROUND RETURN AIR DUCT (UP AND DOWN)		VARIABLE FREQUENCY DRIVE		
	ROUND EXHAUST AIR DUCT (UP AND DOWN)		SPLIT-CASE PUMP		
	ROUND OUTSIDE AIR DUCT (UP AND DOWN)		END-SUCTION PUMP		
	INSULATED FLEXIBLE DUCT		INLINE PUMP		
	VOLUME DAMPER		EQUIPMENT TAG EQUIPMENT NUMBER		
	BACKDRAFT DAMPER		DETAIL TAG/CALL OUT TAG MECHANICAL SHEET NUMBER		
	FIRE DAMPER AND ACCESS DOOR		MOTOR OPERATED DAMPER		
	CONTROL DAMPER		KEYED NOTE		
	FAN - CENTRIFUGAL		AREA NOT IN CONTRACT		
	AIRFLOW MEASURING STATION		FIELD CONNECT		
	4 WAY CEILING DIFFUSER		FIELD DISCONNECT		
	3 WAY CEILING DIFFUSER		DIFFERENTIAL PRESSURE SENSOR		
	2 WAY CEILING DIFFUSER		SUPPLY AIR FLOW		
	2 WAY CEILING DIFFUSER		EXHAUST AIR		
	EXHAUST FAN		GAS SENSOR (INDICATE TYPE)		
	EXHAUST GRILLE		THERMOSTAT		
	RETURN GRILLE/REGISTER		DUCT SMOKE DETECTOR		
	SUPPLY DIFFUSER - ROUND		TEMPERATURE SENSOR		
	RETURN DIFFUSER - ROUND		ELECTRONIC TIMECLOCK		
	EXHAUST DIFFUSER - ROUND		CARBON MONOXIDE DETECTOR		
	SIDEWALL GRILLE		NITRIC OXIDE DETECTOR		

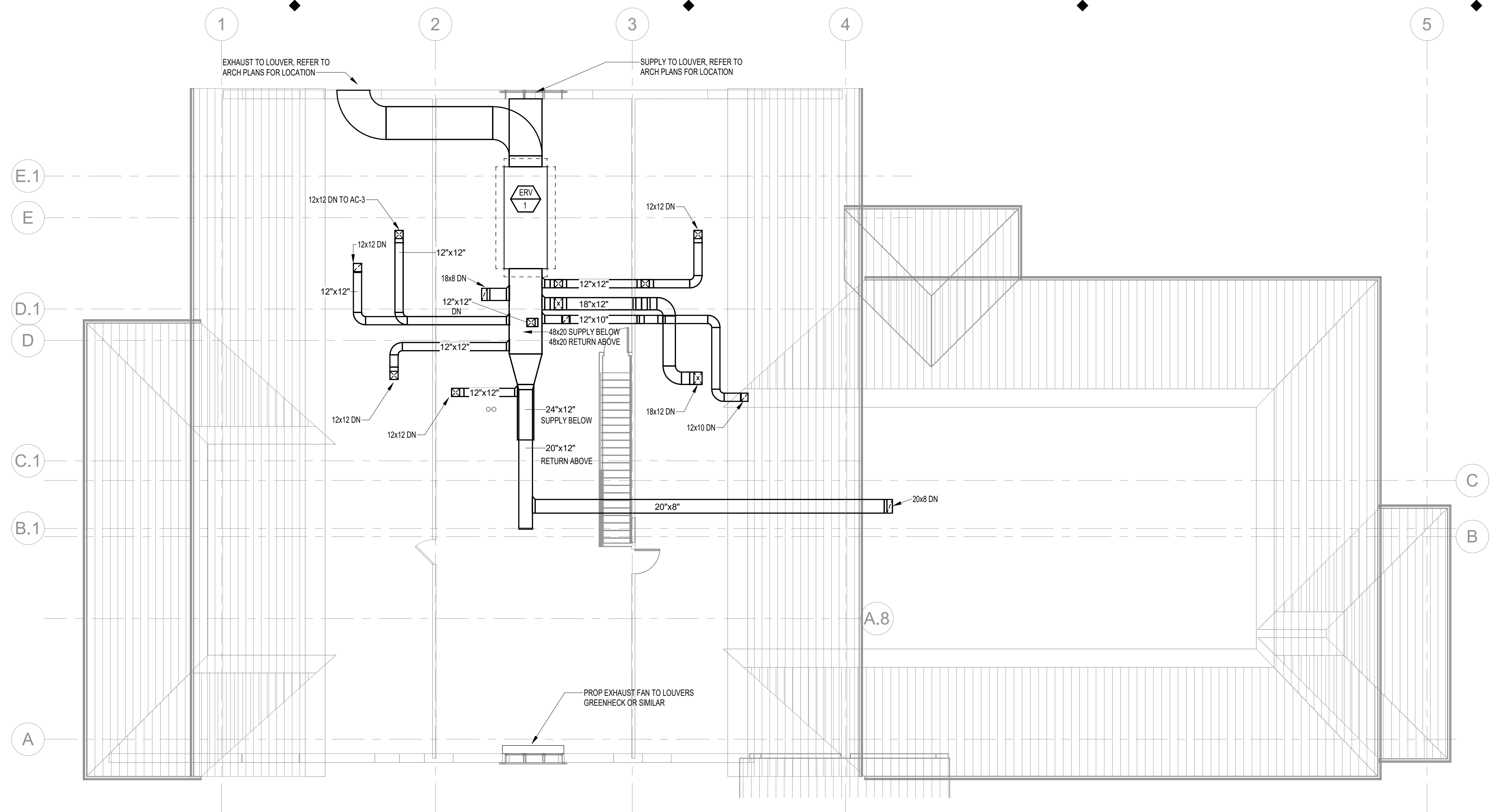
### HVAC PIPING SYSTEMS

IDENTIFIER	DESCRIPTION
	EXISTING PIPING TO BE REMOVED
	EXISTING PIPING TO REMAIN
	CONDENSATE DRAIN
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	CONDENSER WATER SUPPLY
	CONDENSER WATER RETURN
	DISTRIBUTION VALVE BOX
	EXISTING DOMESTIC COLD WATER
	DOMESTIC COLD WATER
	DISTRIBUTION VALVE BOX
	FREE COOLING RETURN
	FUEL OIL SUPPLY
	FUEL OIL RETURN
	FUEL OIL VENT
	GRAVITY STEAM CONDENSATE RETURN
	GLYCOL SUPPLY
	GLYCOL RETURN
	HOTCHILLED WATER RETURN
	HOT GAS
	HIGH PRESSURE STEAM
	HIGH PRESSURE CONDENSATE RETURN
	HOT WATER SUPPLY
	HOT WATER RETURN
	LOW PRESSURE STEAM
	LOW PRESSURE RETURN
	MEDIUM PRESSURE STEAM
	MEDIUM PRESSURE RETURN
	NON POTABLE COLD WATER
	PROCESS COOLING WATER SUPPLY
	PROCESS COOLING WATER RETURN
	PUMP STEAM CONDENSATE
	PUMP DISCHARGE
	POTABLE WATER
	RELIEF LINE
	REFRIGERANT LIQUID
	REFRIGERANT SUCTION
	TEMPERED CHILLED WATER SUPPLY
	TEMPERED CHILLED WATER RETURN
	ZONE VALVE BOX

### HVAC SYMBOLS

	PIPING ELBOW TURNED DOWN
	PIPING ELBOW TURNED UP
	PIPING CONNECTION
	PIPE OFFSET
	PIPE TEE-DOWN
	PIPE TEE-UP
	PIPE RISER
	FIXTURE STOP
	P-TRAP
	GATE VALVE W/ HOSE END CONNECTION
	GATE VALVE W/ HOSE END CONNECTION
	OS & Y GATE VALVE
	BUTTERFLY VALVE
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
	PIPE UNION
	BALANCING VALVE
	CHECK VALVE
	BACKFLOW PREVENTER
	PLUG VALVE
	PLUG VALVE
	PRESSURE REGULATING VALVE
	CONTROL VALVE W/ TAPER SWITCH
	WATER REDUCING VALVE
	FUSIBLE LINK VALVE
	PIPE STRAINER
	PRESSURE GAUGE
	PRESSURE GAUGE W/ DEMAND CHECK
	PRESSURE GAUGE W/ GAUGE COCK
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	PIPE CAP
	SHOCK ARRESTOR
	HOSE CONNECTION
	THERMOMETER IN PIPE WELL
	FLOOR CLEANOUT
	CLEANOUT
	OS & Y GATE VALVE





**MECHANICAL NOTES**

1. ALL DUCTWORK RUN IN MEZZANINE LEVEL ABOVE 11'-0" BARRIER IS TO BE INSULATED WITH MINIMUM R-12 INSTALLED INSULATION.

TOWN OF WAYLAND

8 ANDREW AVENUE.  
WAYLAND, MA 01778

WAYLAND SENIOR CENTER



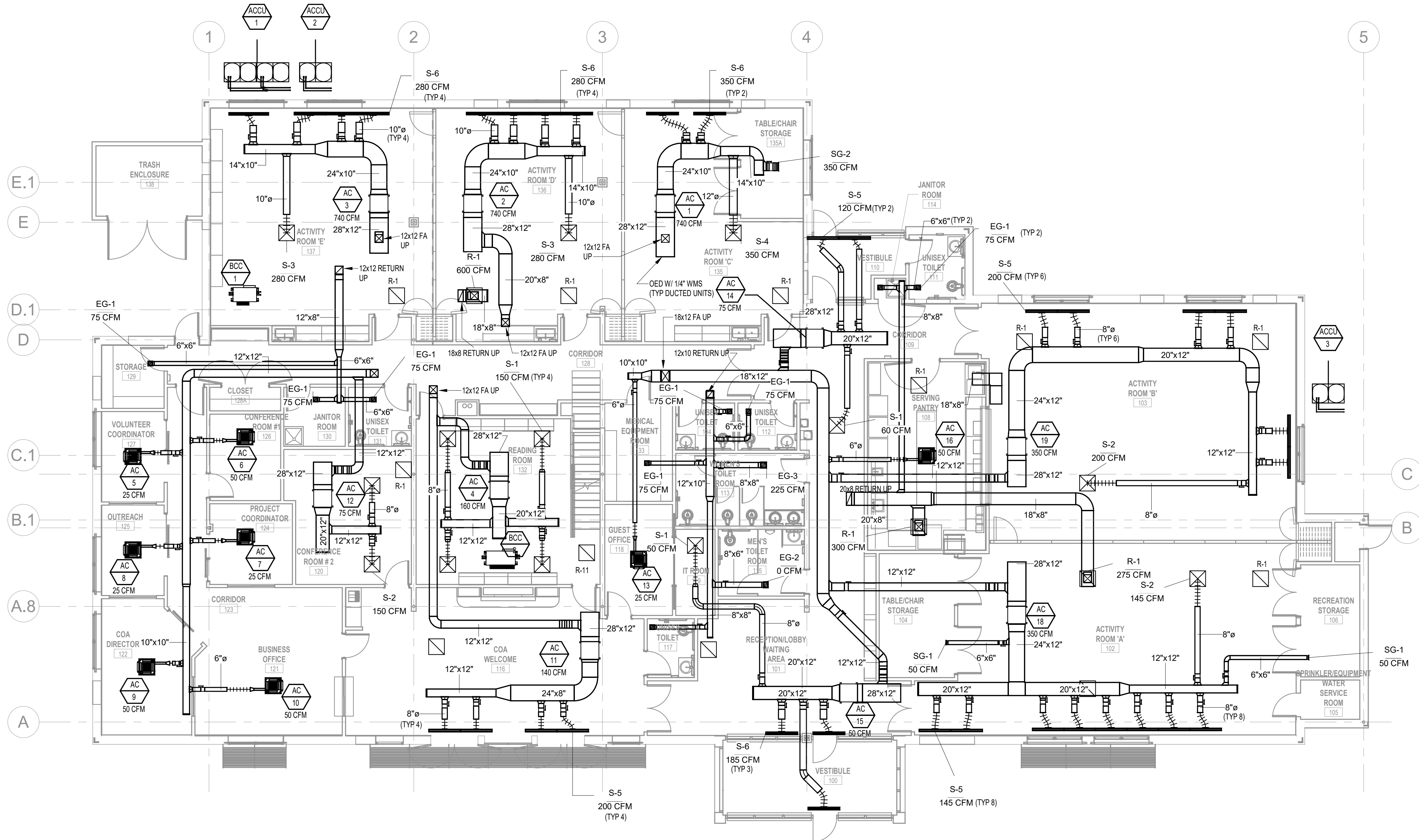
**ARCHITECTURE** ■ BOSTON  
529 MAIN STREET, SUITE 5303  
BOSTON, MA 02129  
TEL. 617.723.7100  
FAX. 617.723.9113

**INTERIOR DESIGN**

**ENGINEERING** ■ PORTLAND  
500 WASHINGTON AVE  
PORTLAND, ME 04103  
TEL. 207.582.2400  
FAX. 207.582.8320

CONSULTANT:

2 Mezzanine Ductwork Plan  
SCALE: 1/8" = 1'-0"



1 Level 1 Ductwork Plan  
SCALE: 1/8" = 1'-0"

ISSUE/REVISION:

NO.	DATE:	DESCRIPTION:
1	10/12/22	50% CD
2	11/15/22	90% CD



DRAWING TITLE:  
MECHANICAL FIRST FLOOR AND MEZZANINE PLAN

DRAWN BY: Author  
CHECKED BY: Checker  
SCALE: 1/8" = 1'-0"  
PROJECT NO.: 21-125-2125.04  
DRAWING NO.:

M-101

PROJECT LOCATION:  
800 190/21st St Wayland On Call TRAK ORDER #421-225-2125.04 - Wayland Senior Center - Mech.plt  
DATE & TIME PRINTED: 11/15/2022 7:00:06 PM

**VRF INDOOR UNIT SCHEDULE**

System Tag	Room Name	Tag Reference	Model	Type	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Cooling Design Entering Temp DB/WB (°F)	Heating Design Entering Temp DB/WB (°F)	Cooling Total Capacity (BTU/h)	Cooling Sensible Capacity (BTU/h)	Heating Capacity (BTU/h)	Refrig Pipe Dim Liquid/Suction (inch)	Fan Speed Setting	Peak Fan Airflow (cfm)	Max Fan ESP Setting 208V/230V (IN WG)	Sound Pressure Per Fan Speed 208V/230V (dBA)	V-PH-HZ	Electrical MCA/MFS	Notes / Options
ACCU-1	ACTIVITY ROOM C	AC-1	PEFY-P54NMAU-E4	Ceiling-Concealed (Ducted)	54,000.0	60,000.0	80.0/67.0	70.0	54,091.0	38,105.1	53,007.1	3/8 / 5/8	HIGH	1413	0.6/0.6	34-38-42	208-1-60	4.38/15	1, 2, 3, 4
ACCU-1	ACTIVITY ROOM D	AC-2	PEFY-P54NMAU-E4	Ceiling-Concealed (Ducted)	54,000.0	60,000.0	80.0/67.0	70.0	54,091.0	38,105.1	53,007.1	3/8 / 5/8	HIGH	1413	0.6/0.6	34-38-42	208-1-60	4.38/15	1, 2, 3, 4
ACCU-1	ACTIVITY ROOM E	AC-3	PEFY-P54NMAU-E4	Ceiling-Concealed (Ducted)	54,000.0	60,000.0	80.0/67.0	70.0	54,091.0	38,105.1	53,007.1	3/8 / 5/8	HIGH	1413	0.6/0.6	34-38-42	208-1-60	4.38/15	1, 2, 3, 4
ACCU-1	LIBRARY	AC-4	PEFY-P18NMAU-E4	Ceiling-Concealed (Ducted)	18,000.0	20,000.0	80.0/67.0	70.0	18,030.3	13,727.5	17,669.0	1/4 / 1/2	HIGH	600	0.6/0.6	29-33-37	208-1-60	2.94/15	1, 2, 3, 4
ACCU-2	VOLUNTEER COORD	AC-5	PLFY-P05NFMU-E	Ceiling-Cassette (Four-Way)	5,000.0	5,600.0	80.0/67.0	70.0	5,003.1	4,384.5	5,114.1	1/4 / 1/2	HIGH	280		26-28-30	208-1-60	0.24/0.24/15	1, 2, 3, 4
ACCU-2	CONFERENCE ROOM 1	AC-6	PLFY-P05NFMU-E	Ceiling-Cassette (Four-Way)	5,000.0	5,600.0	80.0/67.0	70.0	5,003.1	4,384.5	5,114.1	1/4 / 1/2	HIGH	280		26-28-30	208-1-60	0.24/0.24/15	1, 2, 3, 4
ACCU-2	PROJECT COORD	AC-7	PLFY-P05NFMU-E	Ceiling-Cassette (Four-Way)	5,000.0	5,600.0	80.0/67.0	70.0	5,003.1	4,384.5	5,114.1	1/4 / 1/2	HIGH	280		26-28-30	208-1-60	0.24/0.24/15	1, 2, 3, 4
ACCU-2	OUTREACH	AC-8	PLFY-P05NFMU-E	Ceiling-Cassette (Four-Way)	5,000.0	5,600.0	80.0/67.0	70.0	5,003.1	4,384.5	5,114.1	1/4 / 1/2	HIGH	280		26-28-30	208-1-60	0.24/0.24/15	1, 2, 3, 4
ACCU-2	COA DIRECTOR	AC-9	PLFY-P08NFMU-E	Ceiling-Cassette (Four-Way)	8,000.0	9,000.0	80.0/67.0	70.0	8,004.9	6,219.3	8,219.1	1/4 / 1/2	HIGH	315		26-30-33	208-1-60	0.28/0.28/15	1, 2, 3, 4
ACCU-2	BUSINESS OFFICE	AC-10	PLFY-P08NFMU-E	Ceiling-Cassette (Four-Way)	8,000.0	9,000.0	80.0/67.0	70.0	8,004.9	6,219.3	8,219.1	1/4 / 1/2	HIGH	315		26-30-33	208-1-60	0.28/0.28/15	1, 2, 3, 4
ACCU-2	COA WELCOME	AC-11	PEFY-P18NMAU-E4	Ceiling-Concealed (Ducted)	18,000.0	20,000.0	80.0/67.0	70.0	18,011.1	13,719.9	18,264.6	1/4 / 1/2	HIGH	600	0.6/0.6	29-33-37	208-1-60	2.94/15	1, 2, 3, 4
ACCU-2	CONFERENCE 2	AC-12	PEFY-P08NMAU-E4	Ceiling-Concealed (Ducted)	8,000.0	9,000.0	80.0/67.0	70.0	7,458.50	6,221.10	7,365.20	1/4 / 1/2	HIGH	300	0.6/0.6	24-28-30	208-1-60	1.75/15	1, 2, 3, 4
ACCU-2	GUEST OFFICE	AC-13	PLFY-P05NFMU-E	Ceiling-Cassette (Four-Way)	5,000.0	5,600.0	80.0/67.0	70.0	5,003.1	4,384.5	5,114.1	1/4 / 1/2	HIGH	280		26-28-30	208-1-60	0.24/0.24/15	1, 2, 3, 4
ACCU-2	VESTIBULE 1 & COORDIOR	AC-14	PEFY-P06NMAU-E4	Ceiling-Concealed (Ducted)	6,000.0	6,700.0	80.0/67.0	70.0	6,003.7	5,761.9	6,118.6	1/4 / 1/2	HIGH	300	0.6/0.6	24-28-30	208-1-60	1.75/15	1, 2, 3, 4
ACCU-2	VESTIBULE 2 & LOBBY WAITING	AC-15	PEFY-P18NMAU-E4	Ceiling-Concealed (Ducted)	18,000.0	20,000.0	80.0/67.0	70.0	18,011.1	13,719.9	18,264.6	1/4 / 1/2	HIGH	600	0.6/0.6	29-33-37	208-1-60	2.94/15	1, 2, 3, 4
ACCU-2	KITCHEN	AC-16	PLFY-P18NFMU-E	Ceiling-Cassette (Four-Way)	18,000.0	20,000.0	80.0/67.0	70.0	18,011.1	11,909.7	18,264.6	1/4 / 1/2	HIGH	460		33-39-43	208-1-60	0.5/0.5/15	1, 2, 3, 4
ACCU-3	ACTIVITY ROOM A	AC-18	PEFY-P54NMAU-E4	Ceiling-Concealed (Ducted)	54,000	60,000	80.0/67.0	70.0	52,638.40	37,509.30	55,322.10	3/8 / 5/8	HIGH	1413	0.6/0.6	34-38-42	208-1-60	4.38/15	1, 2, 3, 4
ACCU-3	ACTIVITY ROOM B	AC-19	PEFY-P54NMAU-E4	Ceiling-Concealed (Ducted)	54,000	60,000	80.0/67.0	70.0	52,638.40	37,509.30	55,322.10	3/8 / 5/8	HIGH	1413	0.6/0.6	34-38-42	208-1-60	4.38/15	1, 2, 3, 4

- Notes & Options:
- Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)
  - Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
  - See outdoor unit schedule for outdoor ambient conditions, connected capacity, and other factors associated with corrected capacities
  - Provide PAC-YT53CRAU Remote Controller

**VRF OUTDOOR CONDENSING UNIT SCHEDULE**

System Tag	Model Number	Modules	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Cooling Efficiency IEE/EER	Heating COP @ 47°F	Nom System Connected Capacity (% of NOM)	Design Cooling Outdoor Temp DB (°F)	Design Heating Outdoor Temp WB (°F)	Corrected Cooling Total Capacity (BTU/h)	Corrected Heating Capacity (BTU/h)	Sound Pressure (dBA)	Preliminary Added Field Charge	Electrical-Per Module				Notes / Options
														208/230V				
														V-PH-HZ	MCA 208/230V	RFS	MOCP	
ACCU-1	PURY-EP192TSNU-A	P96, P96	192,000.0	215,000.0	28.55 / 13.4	3.825	93.8%	91.0	5.0	187,851.9	176,690.3	61.5/63	33.4	208-3-60	31/29, 31/29	45/45, 45/45	45/45, 45/45	1, 2, 3, 4, 5
ACCU-2	PURY-EP120TNU-A	P120	120,000.0	135,000.0	27.55 / 13.2	3.875	90.8%	91.0	5.0	117,781.6	111,140.0	60/62	28.9	208-3-60	41/38	60/60	60/60	1, 2, 3, 4, 5
ACCU-3	PUHY-EP96TNU-A	P96	96,000.0	108,000.0	30.35 / 14.7	4.215	95.8%	91.0	5.0	94,675.6	88,698.9	56/58.5	14.4	208-3-60	31/29	45/40	45/40	1, 2, 3, 4, 5

- Notes & Options:
- Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)
  - Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
  - Provide AE-200 touch screen central controller with optional SW-BACnet master license for BACnetIP integration
  - Mount units 18" above roof/grade on snow stands with open base - Quicksling, Bigfoot, or Similar
  - Provide snow hoods, hail guards, and basepan heaters

**BRANCH CIRCUIT CONTROLLER SCHEDULE**

System Tag	Model Number	Type (double / Main / Sub)	Number of Ports	Connected Capacity to BC	V-PH-HZ	MCA	MOCP	Notes / Options
BCC-1	CMB-P108NU-JA1	Main	8	180,000.0	208-1-60	1	20	1
BCC-2	CMB-P1016NU-JA1	Main	16	109,000.0	208-1-60	1.8	20	1

Notes & Options:

- Include Diamondback Ball Valves BV-Series, 700PSIG working pressure, full port, 410A rated.

**ENERGY RECOVERY VENTILATOR SCHEDULE**

EQUIP. NO.	MANUFACTURE R	MODEL	LOCATION	TOTAL CFM	SUPPLY FAN			MODE	SUPPLY SIDE				EXHAUST SIDE				ELECTRICAL				OPERATING WEIGHT (LBS)	UNIT DIMENSIONS (LxWxH)	NOTES				
					CFM	T.S.P (IN. WG)	MOTOR HP		EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	CFM	T.S.P (IN. WG)	MOTOR HP	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	V-PH-HZ				MCA	FLA	MOCP	
ERV-1	SWEGON	AD-100012251772	MEZZANINE	3,600	3600	2.77	4.6	SUMMER WINTER	85	72	69.9	62.4	3300	2.78	4.6	SUMMER WINTER	65.8	58.8	82	69.3	208-3-60	52.11	41.69	60	3241	149x63x75.25	
NOTES:																											

**ENERGY RECOVERY VENTILATOR SCHEDULE CONT.**

EQUIP. NO.	MANUFACTURE R	MODEL	LOCATION	DX COOLING COIL					DX HEATING COIL					OPERATING WEIGHT (LBS)	UNIT DIMENSIONS (LxWxH)	NOTES		
				TOTAL (MBH)	SENSIBLE (MBH)	REFRIGERANT	EAT (°F DB/WB)	LAT (°F DB/WB)	APD (IN WG)	MAX FACE VELOCITY (FPM)	MBH	REFRIGERANT	EAT/LAT (°F)				APD (IN WG)	MAX FACE VELOCITY (FPM)
ERV-1	SWEGON	AD-100012251772	MEZZANINE	79.8	50.30	R-410A	71.1/62.9	55/54	0.194	415	134.9	R-410A	57.6/92.15	0.145	415	3241	149x63x75.25	

NOTES:

**DIFFUSER SCHEDULE**

TAG	MANUFACTURER	MODEL	SERVICE	MAX CFM	NECK SIZE (IN)	FACE SIZE (IN)	MAX PD (wg)	MAX NC	NOTES
S-1	PRICE	ASPD	SUPPLY	100	6	24x24	0.016	-	ALUMINUM SQUARE PLAQUE DIFFUSER.
S-2	PRICE	ASPD	SUPPLY	225	8	24x24	0.057	-	ALUMINUM SQUARE PLAQUE DIFFUSER.
S-3	PRICE	ASPD	SUPPLY	280	10	24x24	0.100	-	ALUMINUM SQUARE PLAQUE DIFFUSER.
S-4	PRICE	ASPD	SUPPLY	350	12	24x24	0.100	24	ALUMINUM SQUARE PLAQUE DIFFUSER.
S-5	PRICE	SDS	SUPPLY	200	7	4'-0" LONG	0.150	23	LINEAR DIFFUSER WITH SDIA PLENUM, (2) 1" SLOTS
S-6	PRICE	SDS	SUPPLY	350	10	4'-0" LONG	0.080	25	LINEAR DIFFUSER WITH SDIA PLENUM, (4) 1" SLOTS
SG-1	PRICE	620L	SUPPLY	100	-	6x6	0.090	-	ALUMINUM DOUBLE DEFLECTION TYPE GRILLE, 3/4" BLADE SPACING.
SG-2	PRICE	620L	SUPPLY	350	-	12x12	0.040	-	ALUMINUM DOUBLE DEFLECTION TYPE GRILLE, 3/4" BLADE SPACING.
R-1	PRICE	ASPD	RETURN	575	12x12	24x24	0.100	19	ALUMINUM SQUARE PLAQUE DIFFUSER.
EG-1	PRICE	630	EXHAUST	100	6x6	8x8	0.044	-	ALUMINUM, 45 DEG DEFLECTION, 3/4" (13) BLADE SPACING.
EG-2	PRICE	630	EXHAUST	150	6x6	8x10	0.069	20	ALUMINUM, 45 DEG DEFLECTION, 3/4" (13) BLADE SPACING.
EG-3	PRICE	630	EXHAUST	250	8x8	10x10	0.069	20	ALUMINUM, 45 DEG DEFLECTION, 3/4" (13) BLADE SPACING.

NOTES:

- COORDINATE AND CONFIRM CEILING MOUNT (T-BAR, SURFACE, ETC) WITH ARCHITECT BEFORE ORDERING EQUIPMENT.

TOWN OF WAYLAND

8 ANDREW AVENUE,  
WAYLAND, MA 01778

WAYLAND SENIOR  
CENTER

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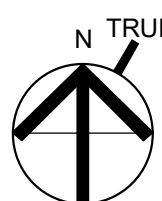
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ENGINEERING ■ PORTLAND  
500 WASHINGTON AVE  
PORTLAND, ME 04103  
TEL: 207.582.2400  
FAX: 207.582.8320

CONSULTANT:

ISSUE/REVISION:

NO.	DATE	DESCRIPTION
1	10/12/22	50% CD
2	11/15/22	90% CD

KEY PLAN:



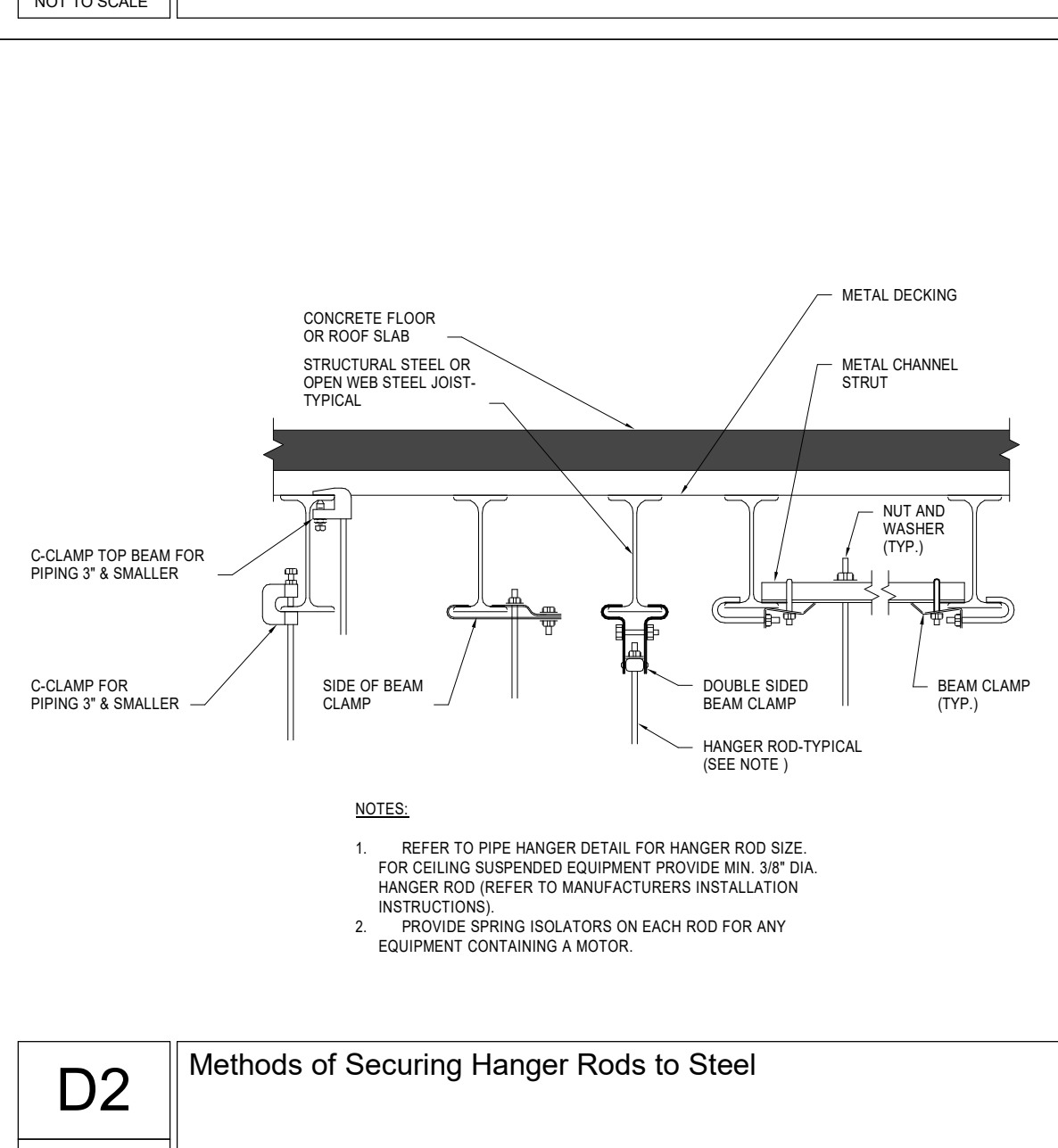
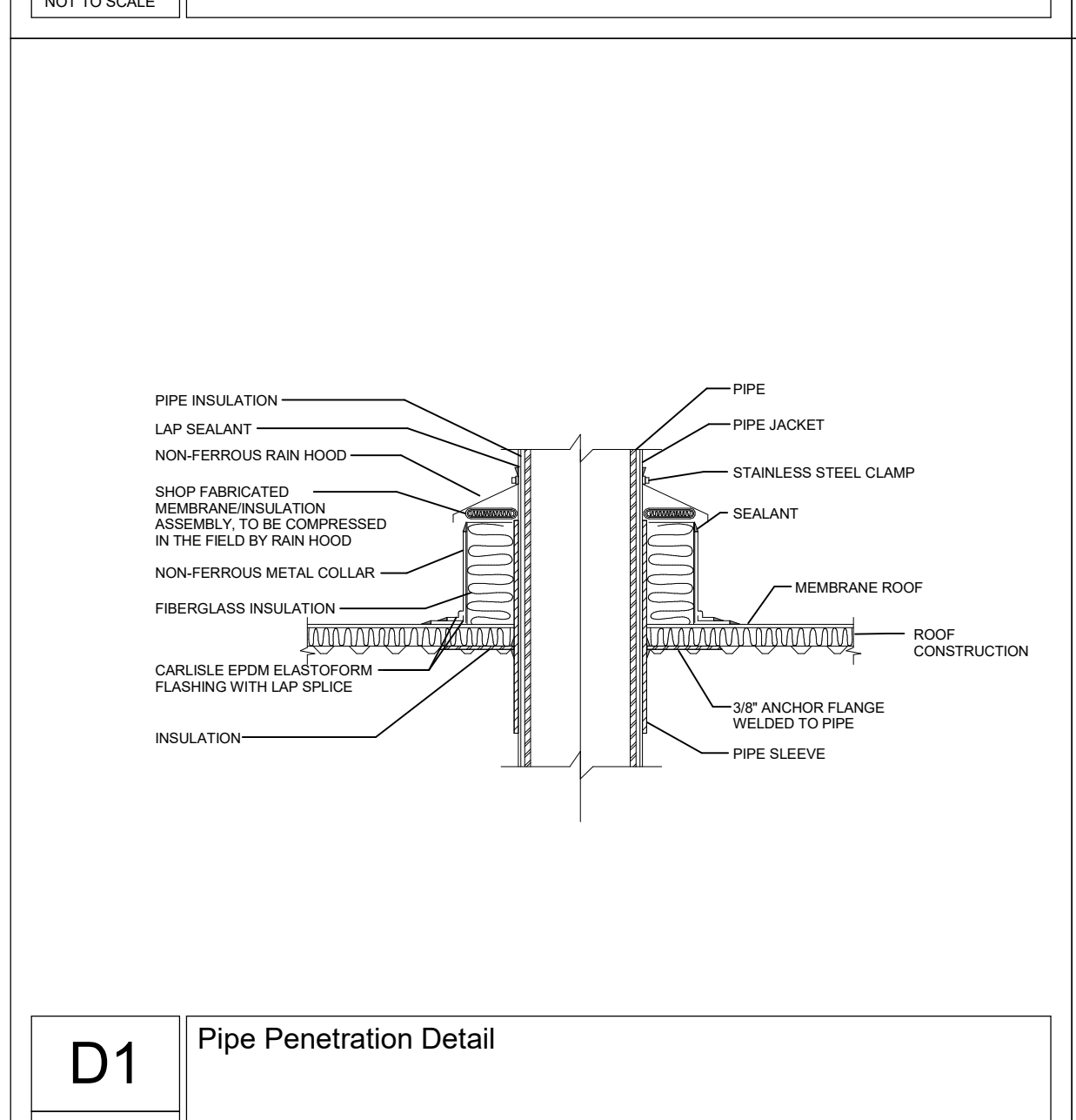
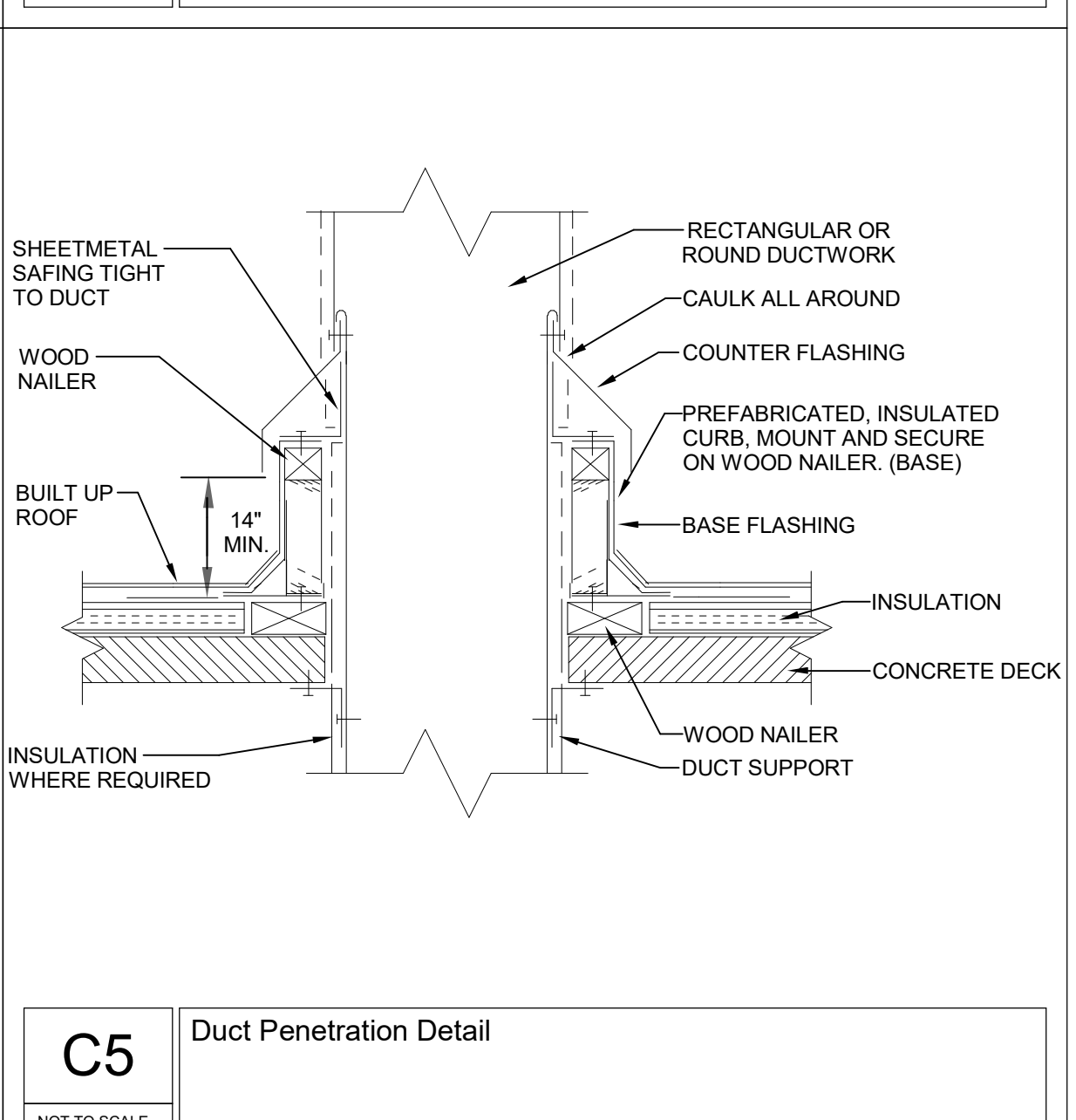
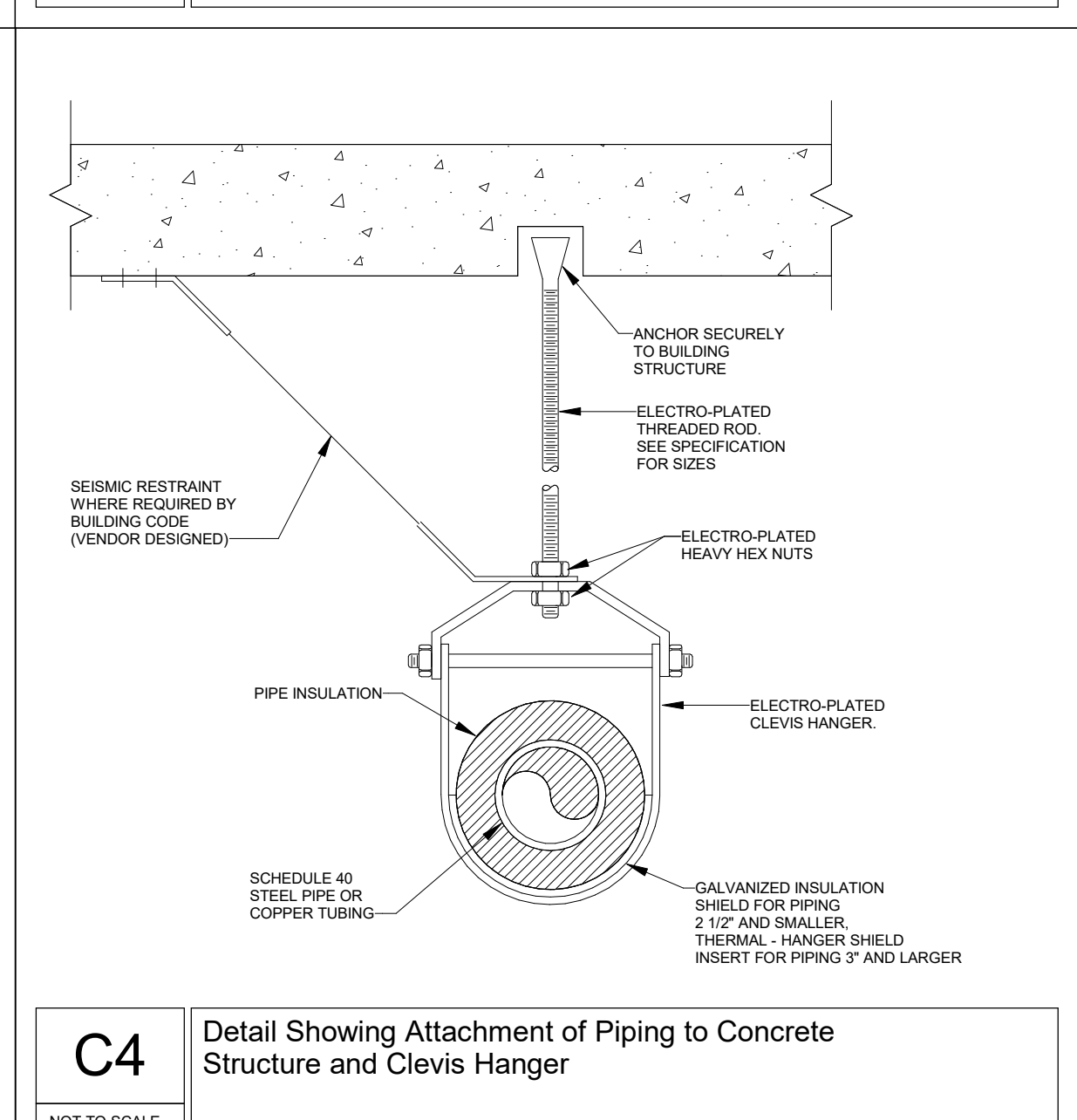
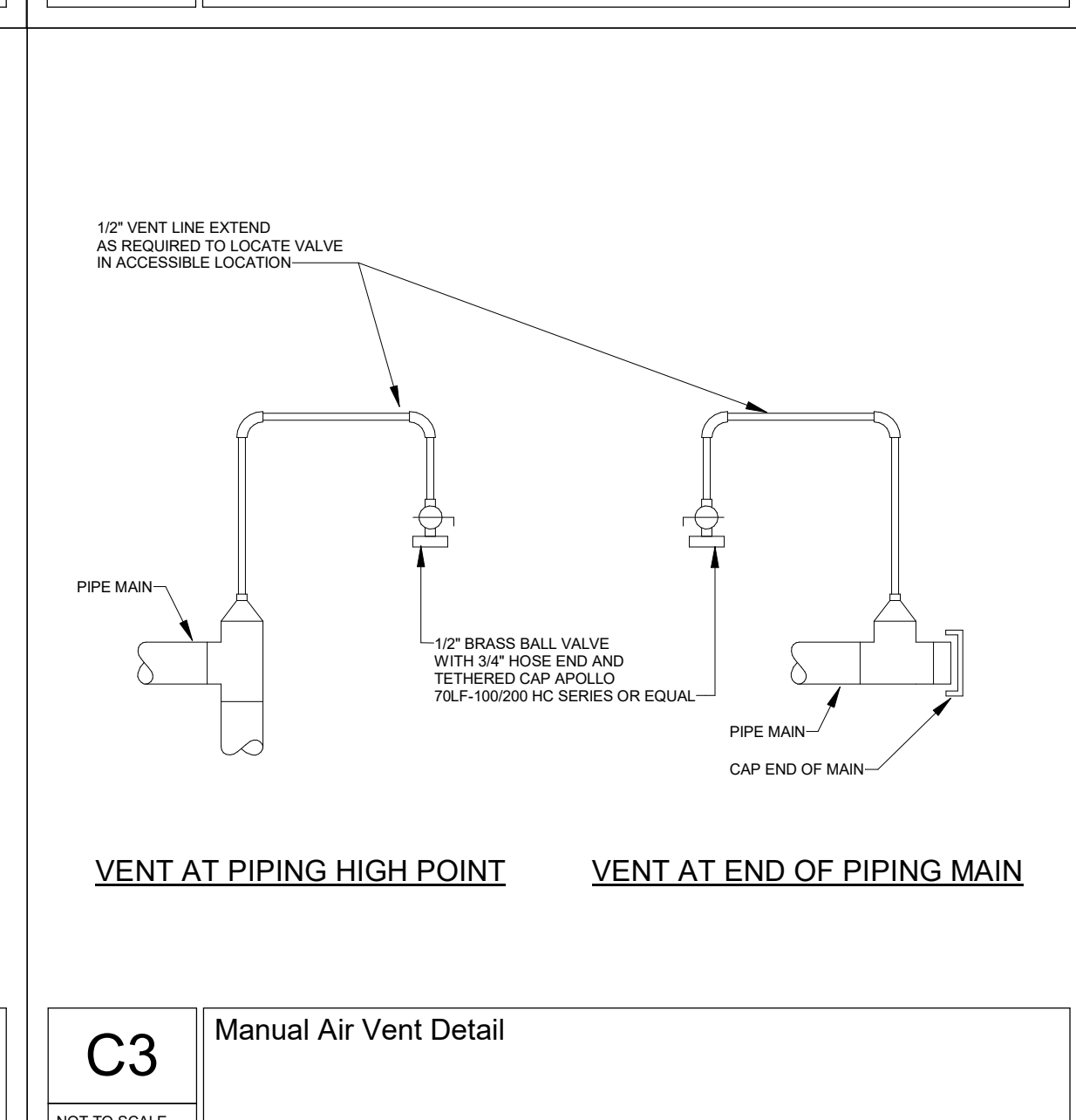
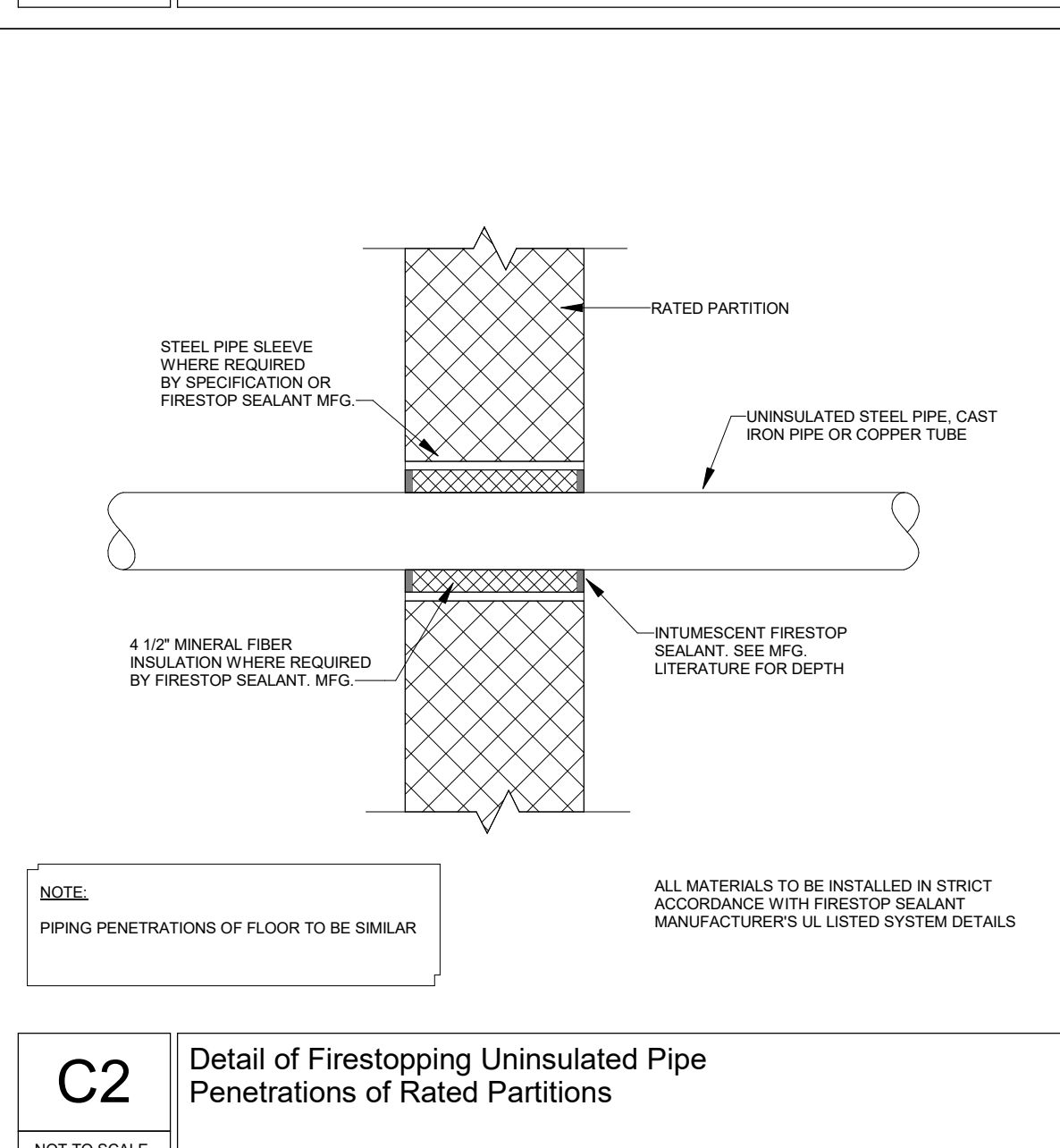
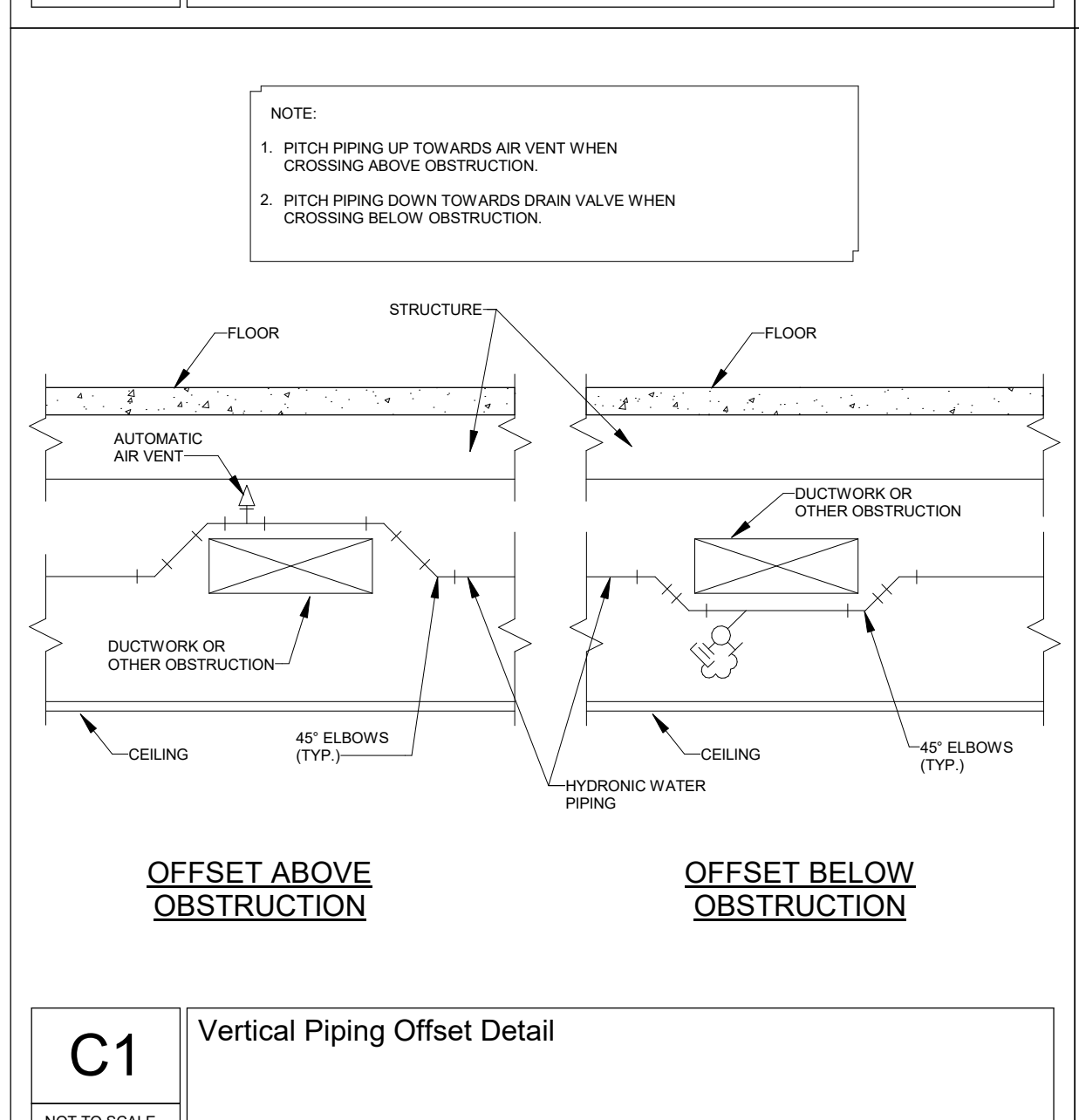
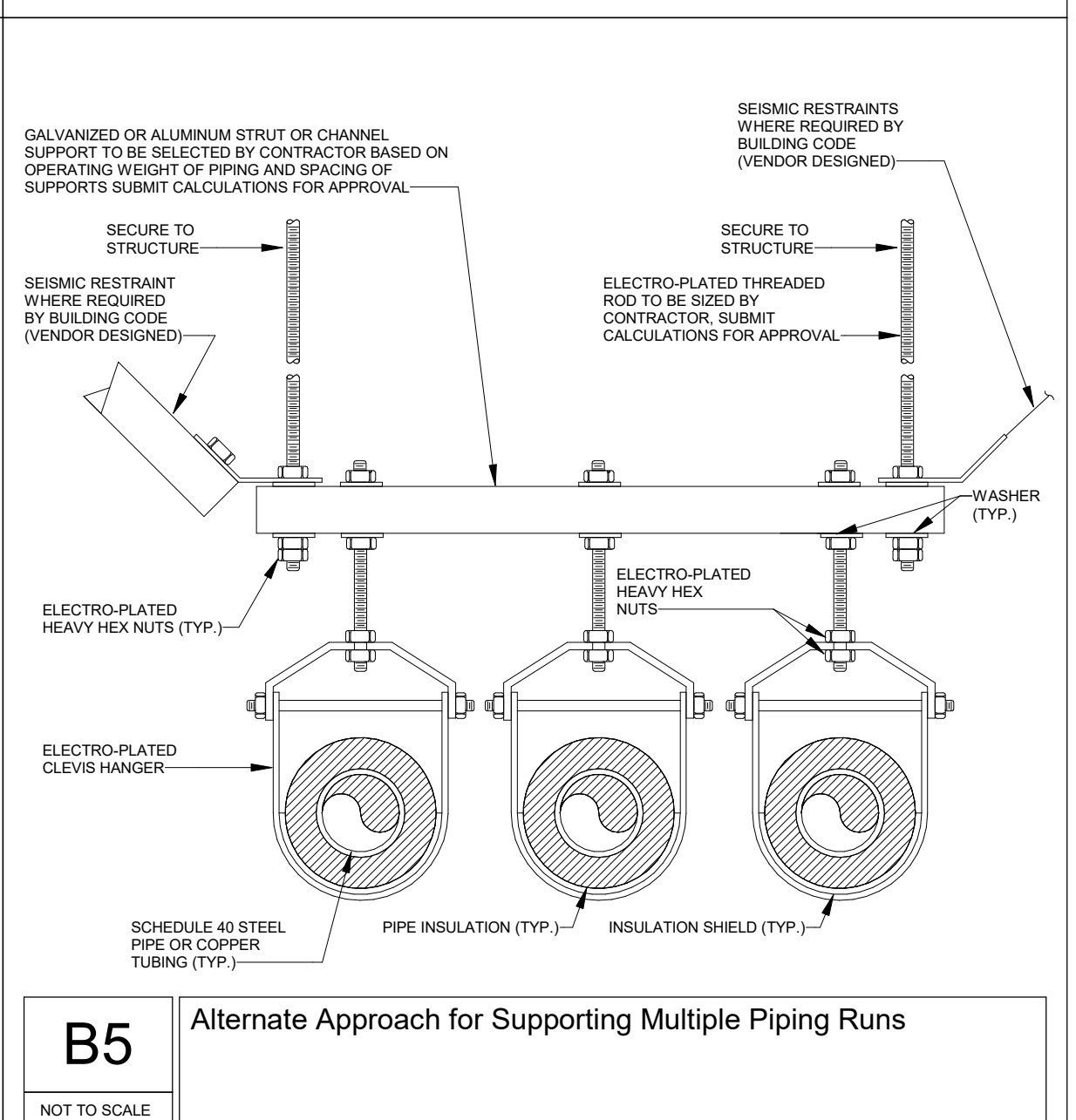
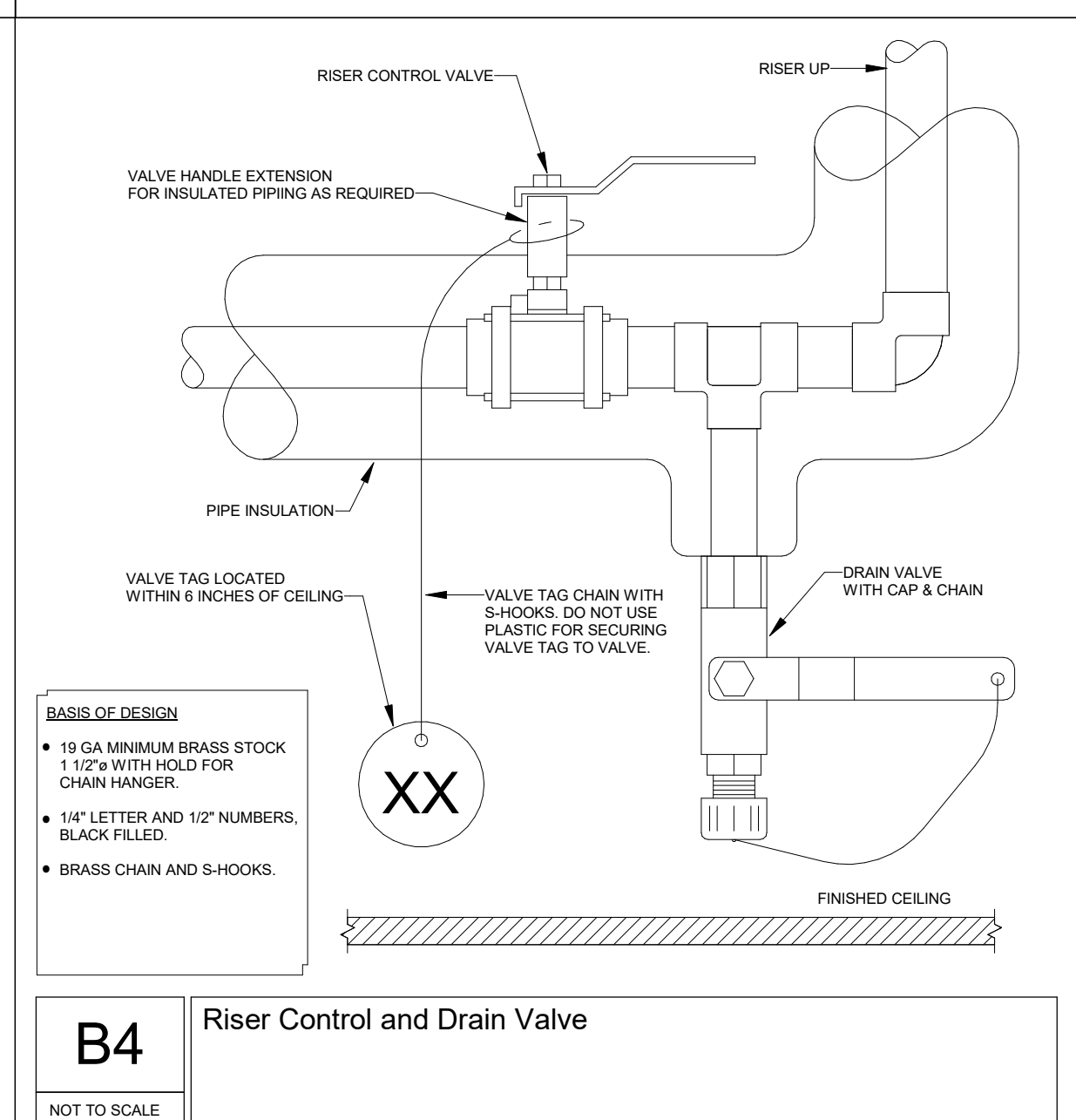
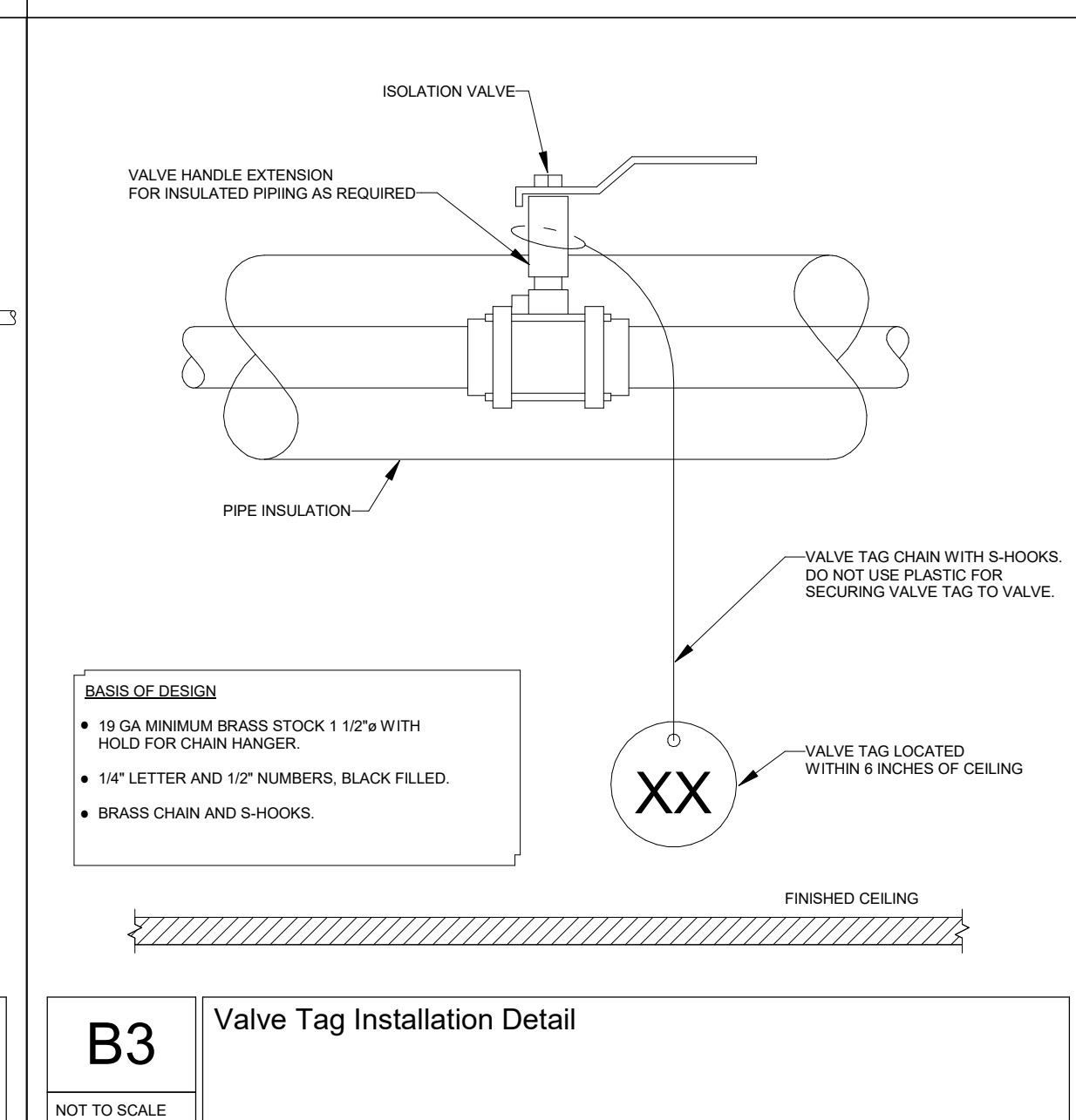
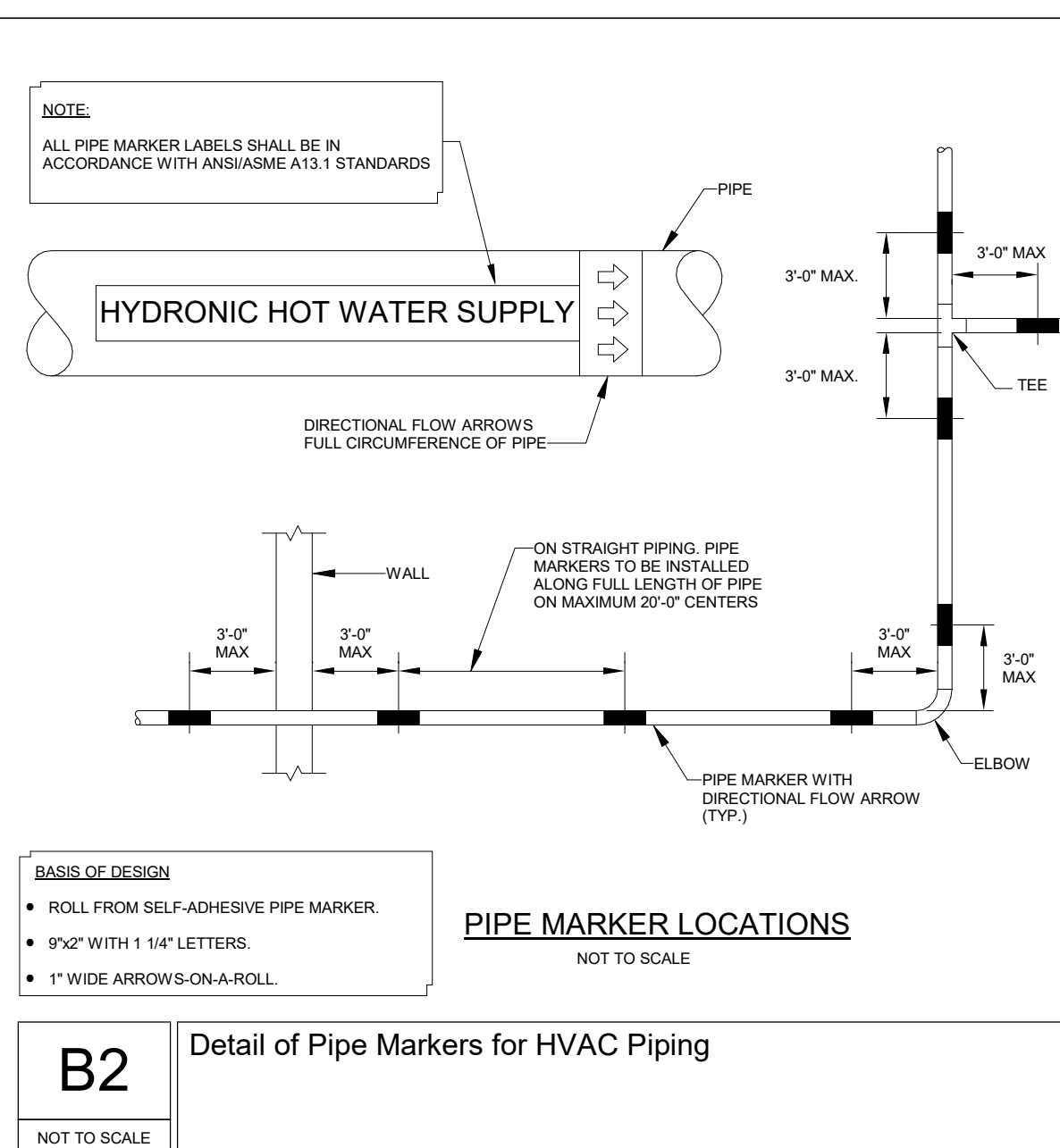
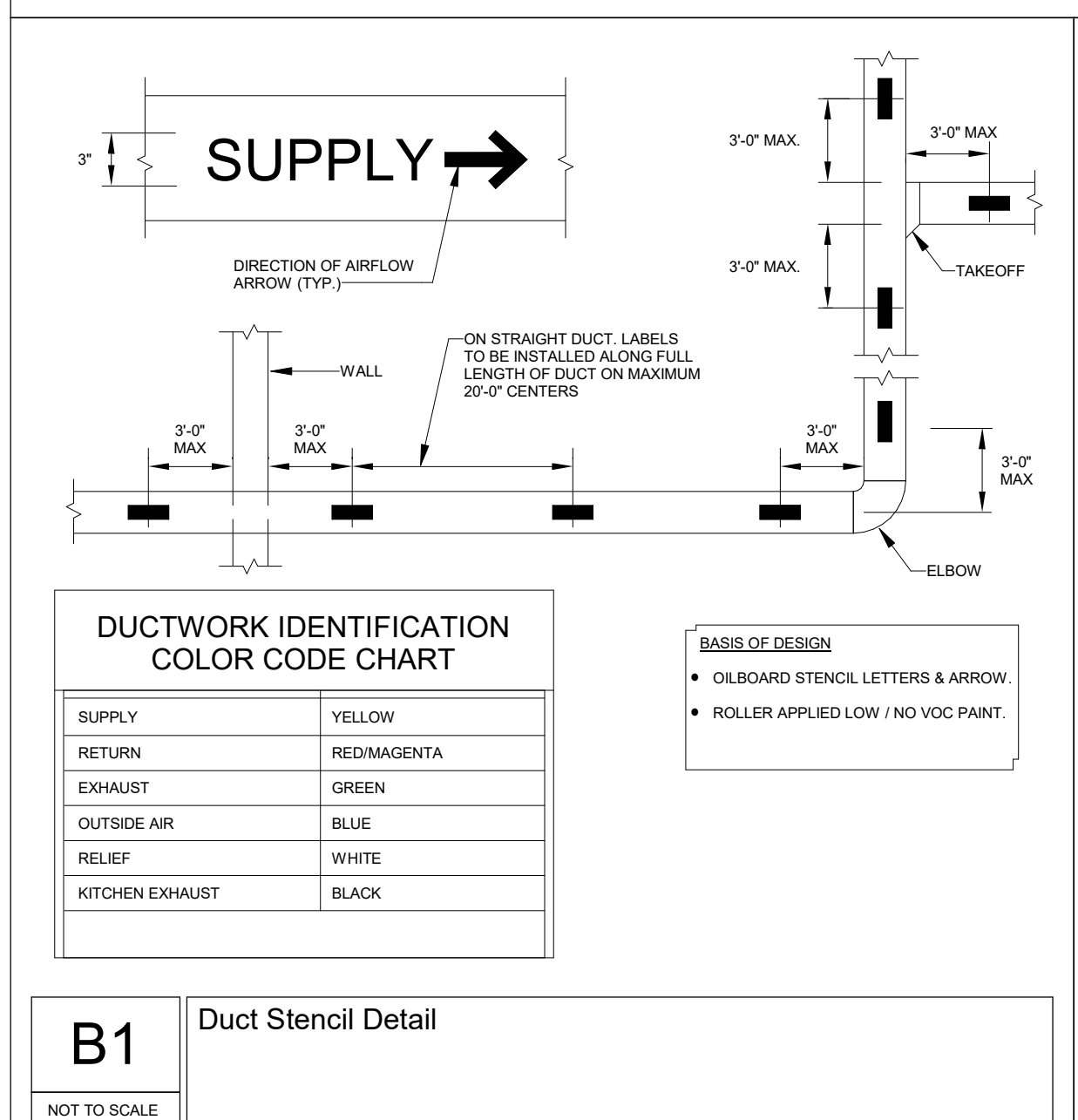
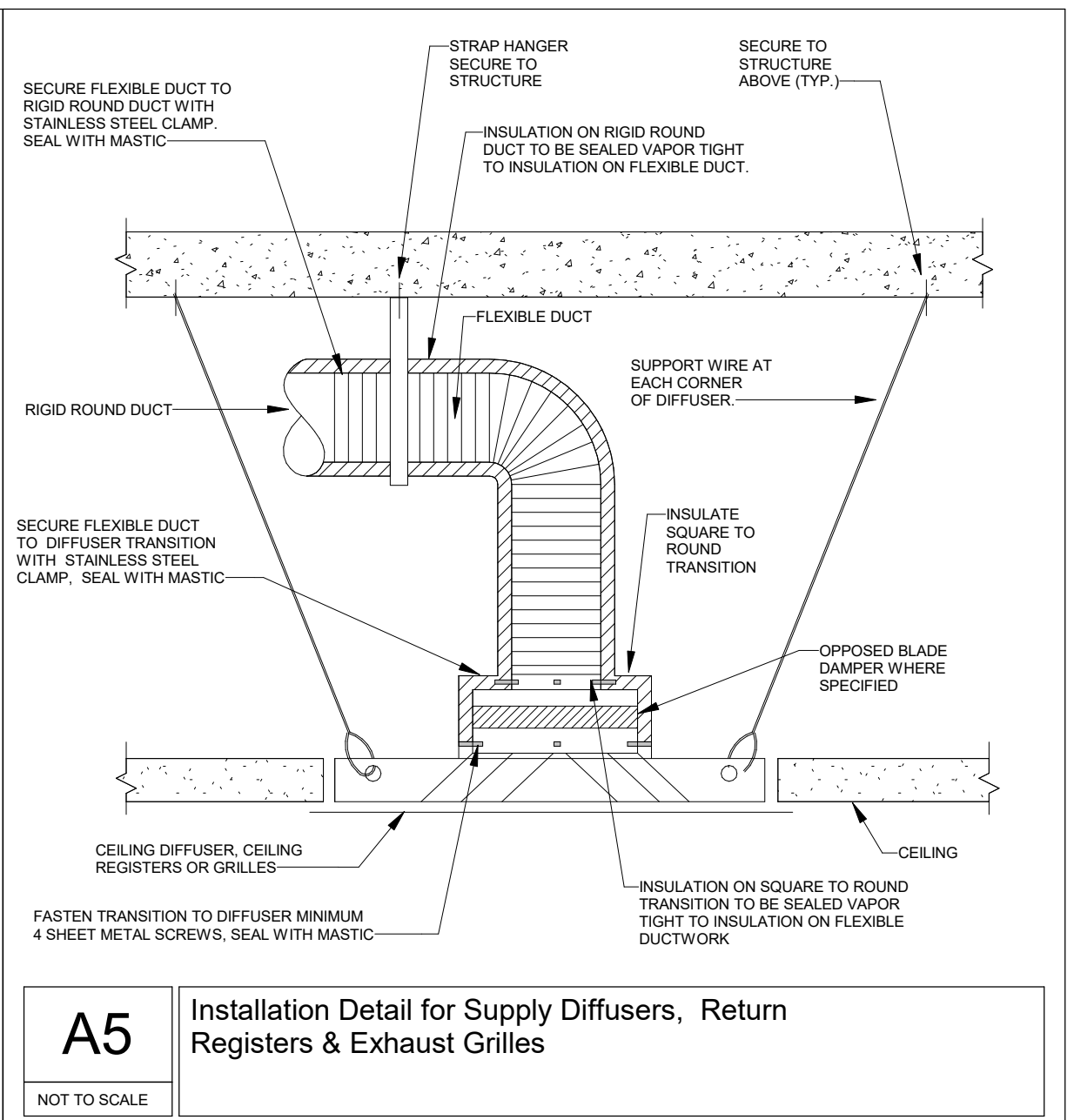
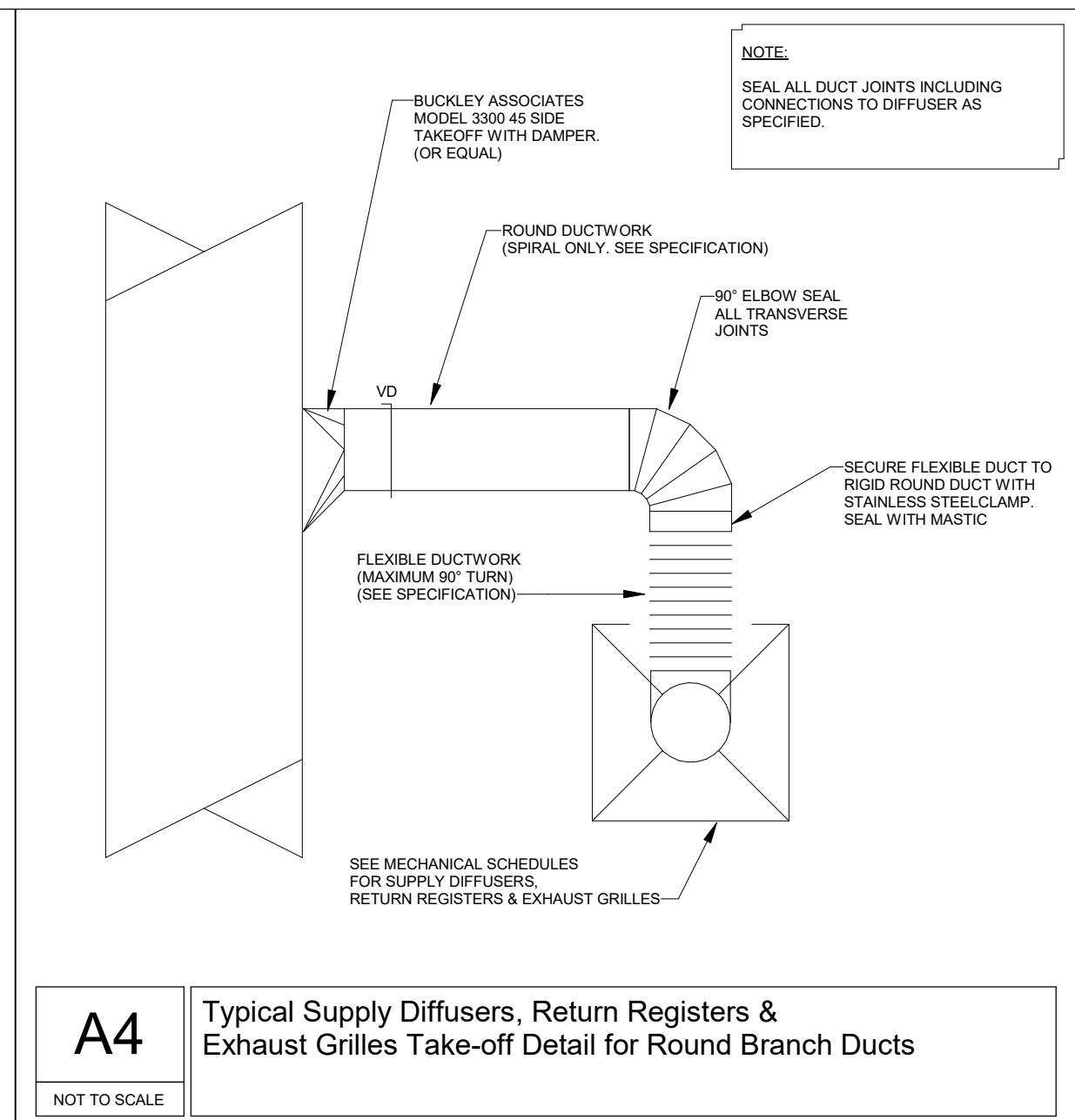
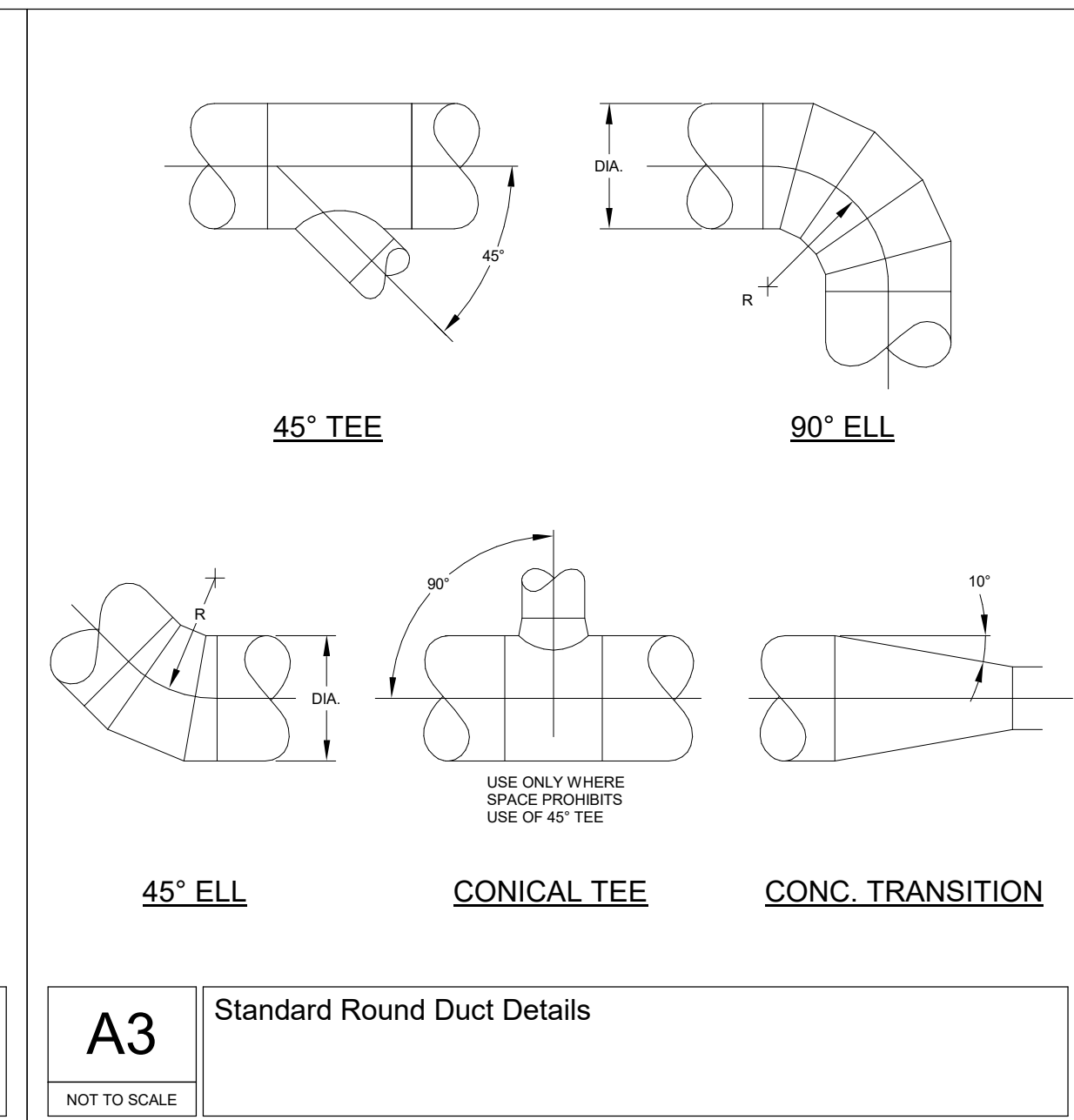
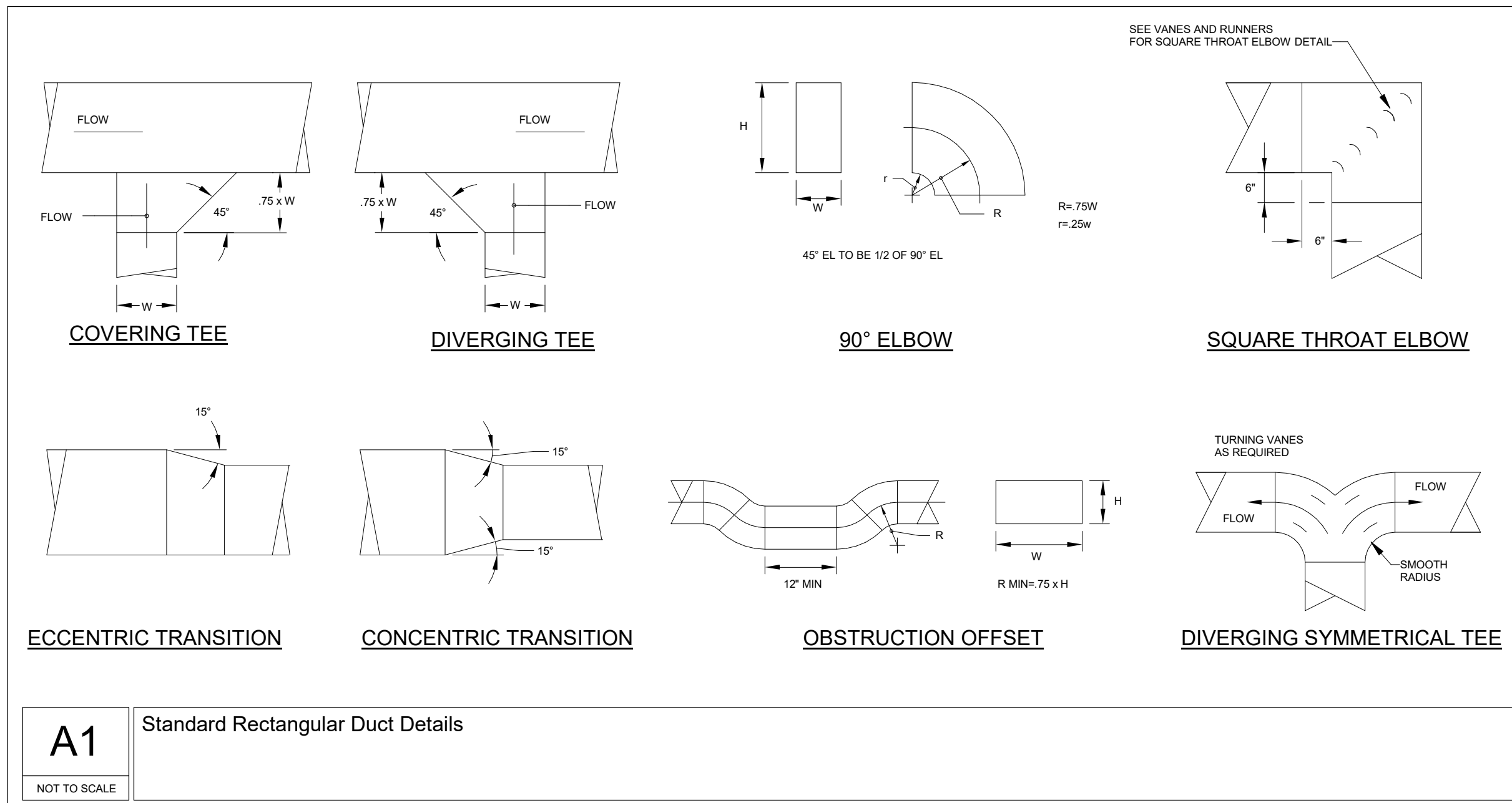
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MECHANICAL SCHEDULES

DRAWN BY: Author	SEAL:
CHECKED BY: Checker	
SCALE:	

PROJECT NO.:  
21-125-2125.04

DRAWING NO.:

**M-601**



TOWN OF WAYLAND

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CONSULTANT:

ISSUE/REVISION:

NO.	DATE	DESCRIPTION
1	08/31/22	SELECTIVE INTERIOR DEMOLITION
2	10/12/22	50% CD
3	11/15/22	95% CD

KEY PLAN:



DRAWING TITLE:  
MECHANICAL DETAILS

DRAWN BY:  
AJP

CHECKED BY:  
CMP

SCALE:  
NOT TO SCALE

PROJECT NO.:  
21-125-2125.04

DRAWING NO.:  
M-801



**MECHANICAL DEMOLITION NOTES**

1. ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, ACCESSORIES, HANGERS, SUPPORTS, APPURTENANCES, ETC. TO BE REMOVED AS PART OF DEMOLITION SCOPE.
2. REFER TO DEMOLITION NOTES ON COVER SHEET FOR MORE DETAILS

TOWN OF WAYLAND

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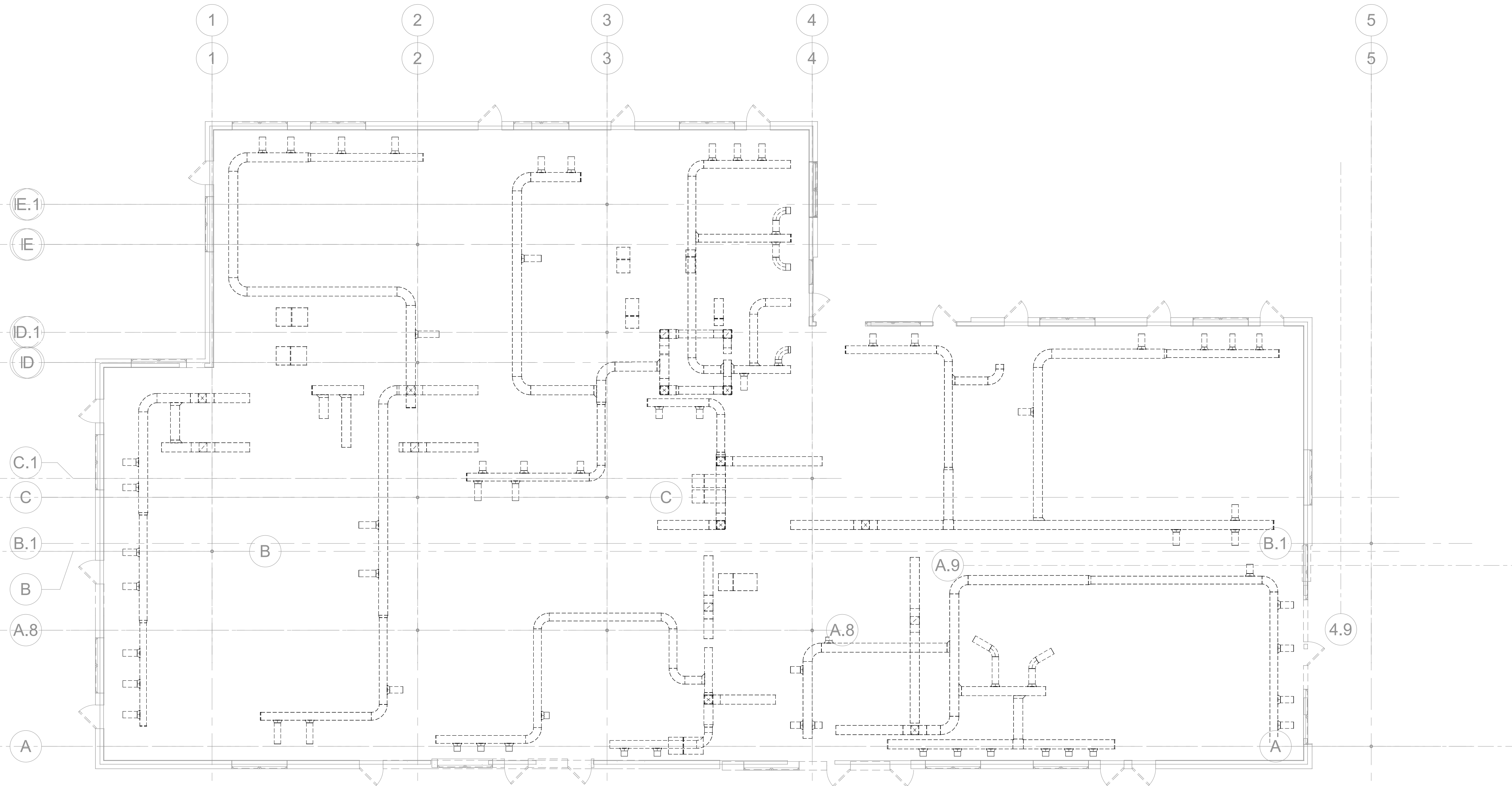
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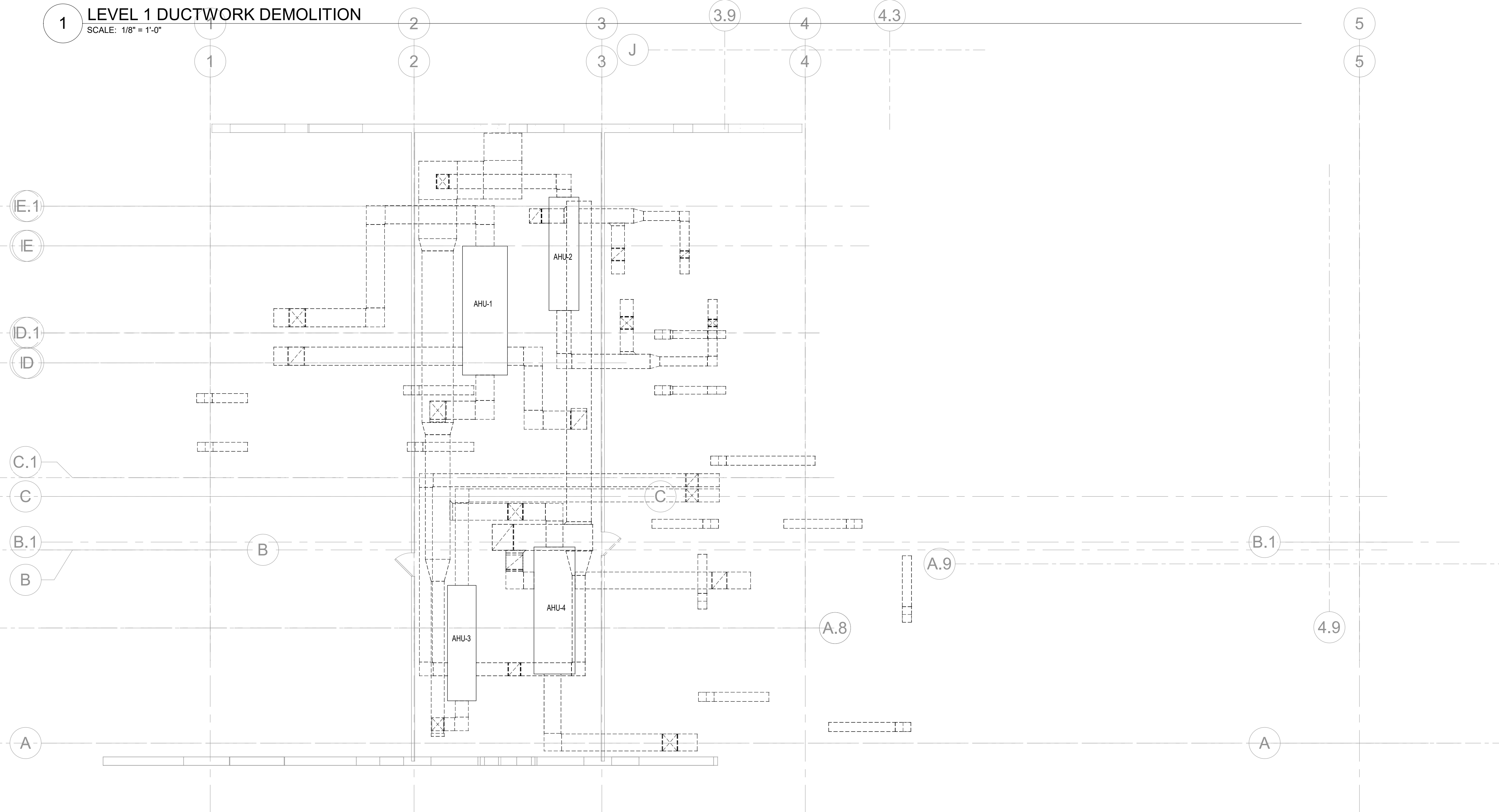
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**1 LEVEL 1 DUCTWORK DEMOLITION**

SCALE: 1/8" = 1'-0"



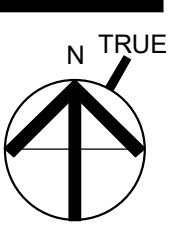
**2 LEVEL 2 DUCTWORK DEMOLITION**

SCALE: 1/8" = 1'-0"

**ISSUE/REVISION:**

NO.	DATE	DESCRIPTION
1	08/31/22	SELECTIVE INTERIOR DEMOLITION
2	11/15/22	90% CD

KEY PLAN:



DRAWING TITLE:  
**MECHANICAL FIRST FLOOR  
AND MEZZANINE DEMOLITION  
PLAN**

DRAWN BY:  
AJP

CHECKED BY:  
CMP

SCALE:  
1/8" = 1'-0"

PROJECT NO.:  
21-125-2125.04

DRAWING NO.:

**MD100**



TOWN OF WAYLAND

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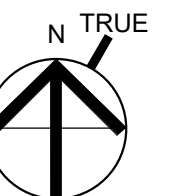
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509 WASHINGTON AV
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FAX: 207.582.8320

CONSULTANT:

ISSUE/REVISION:

Table with columns: NO., DATE, DESCRIPTION. Includes entries for 0, 1, and 2.

KEY PLAN:



DRAWING TITLE:
PLUMBING NOTES, SYMBOLS,
& LEGEND

Table with columns: DRAWN BY, CHECKED BY, SCALE, PROJECT NO. Values include SZ, MC, 1/8" = 1'-0", 21-125-2125.04

DRAWING NO.:

P-001

PROJECT LOCATION:
825 Mill/Town of Wayland On Call TASK ORDER#4221-125-2125.04 - Wayland Senior
Center - PLUMBING V55.rvt
DATE & TIME PRINTED: 11/25/2022 1:59:41 PM

PLUMBING SYMBOL LIST table with columns: IDENTIFIER, DESCRIPTION. Lists symbols for CW, HW, HWR, TW, S, COND, G, CA, S, V, etc.

PIPING ELEMENTS/VALVING table with columns: Symbol, Description. Lists symbols for AQUASTAT, AREA DRAIN, AUTOMATIC AIR VENT, BACKFLOW PREVENTER, etc.

PLUMBING GENERAL NOTES

- 1. ALL PLUMBING WORK UNDER THIS CONTRACT SHALL CONFORM TO THE LATEST EDITION OF THE PLUMBING CODE OF MASSACHUSETTS...
2. ALL MATERIALS SHALL BE NEW UNLESS NOTED OTHERWISE.
3. THE PLUMBING CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ALL LABOR AND MATERIALS SUPPLIED AND INSTALLED UNDER THIS CONTRACT...

LEED NOTES

- 1. ALL ADHESIVES, SEALANTS, PAINTS & COATINGS APPLIED TO THE INTERIOR OF THE BUILDING (WITHIN THE WEATHER PROOFING SYSTEM, INCLUDING WALL CAVITIES) MUST NOT EXCEED THE LEED VOC LIMITS...

SHOP DWGS & EQUIPMENT SUBMITTALS:

- 1. THE CONTRACTOR MUST SUBMIT ANY EQUIPMENT ALTERNATES 2 WEEKS PRIOR TO BIDS...
2. PLUMBING CONTRACTOR TO PROVIDE X-RAY AND TEST CORE DRILLING TO DETERMINE EXACT LOCATION AND INVERT OF EXISTING SANITARY MAIN...
3. CHANGES WHICH DEEM TO EFFECT THE DESIGN SHALL BE SUBMITTED WITH A NYS P.E. APPROVED DRAWING AT THE CONTRACTOR'S EXPENSE...

BUILDING PLAN REVIEW NOTE:

TOWN OF ISLIP BUILDING PLANS EXAMINER SHALL REVIEW THE ENCLOSED DOCUMENT FOR MINIMUM ACCEPTABLE PLAN SUBMITTAL REQUIREMENTS OF THE TOWN OF ISLIP AS SPECIFIED IN THE BUILDING AND/OR RESIDENTIAL CODE OF THE STATE OF NY...

ABBREVIATIONS:

Table listing abbreviations: AD ACCESS DOOR, BFP BACKFLOW PREVENTER, CO CLEAN OUT, CW COLD WATER, DCV DOUBLE CHECK VALVE, etc.

THE ABBREVIATIONS ARE SHOWN FOR GENERAL REFERENCE ONLY. THE PRESENCE OF AN ABBREVIATION ON THIS LIST DOES NOT IMPLY ITS USE ON THIS PROJECT...

ALL PLUMBING EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS/SPECIFICATIONS.

ALL PLUMBING EQUIPMENT SHALL BE MOUNTED ON MINIMUM 6" HIGH CONCRETE PAD UNLESS OTHERWISE NOTED (PAVER AND CINDER BLOCK IS NOT ACCEPTABLE).



TOWN OF WAYLAND

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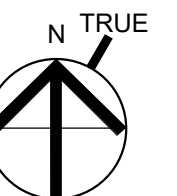
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ISSUE/REVISION:

NO.	DATE	DESCRIPTION
0	10/12/2022	50%CD
1	11/15/2022	90% CD SET

KEY PLAN:



APARTMENT PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE							ACCESSORIES					REMARKS	SYMBOL	
	TYPE	MANUFACTURER	MODEL	STYLE	SIZE	FINISH/COLOR	TYPE	MANUFACTURER	MODEL	STYLE	SUPPLY	FINISH/COLOR			FLOW RATE (GPM)
WC-1	WATER CLOSET	TOTO	CST454CEF	DRAKE II CLOSED COUPED TOILET	28-1/2" X 30"	WHITE	---	---	---	---	1/2" CW	---	1.28 GPF		WC-1
WC-1A	WATER CLOSET	TOTO	CST454CEF	DRAKE II CLOSED COUPED TOILET	28-1/2" X 30"	WHITE	---	---	---	---	1/2" CW	---	1.28 GPF	ADA	WC-1A
UR-1A	URINAL	SLOAN	1001000	WATERFREE URINAL	14-3/8" X 19-5/8"	WHITE	---	---	---	---	---	---	---	ADA	UR-1A
LAV-1	LAVATORY	KOHLER	K-20000	CAXTON RECTANGLE UNDERMOUNT SINK	15-11/16" X 20-1/4"	WHITE	FAUCET	KOHLER	K-15199-4NDRA	CORALAS	1/2" CW 1/2" HW	POLISHED CHROME	0.50		LAV-1
LAV-1A	LAVATORY	KOHLER	K-20000	CAXTON RECTANGLE UNDERMOUNT SINK	15-11/16" X 20-1/4"	WHITE	FAUCET	KOHLER	K-15199-4NDRA	CORALAS	1/2" CW 1/2" HW	POLISHED CHROME	0.50	ADA	LAV-1A
SK-1	ACTIVITY ROOM "C" SINK						FAUCET				1/2" CW 1/2" HW				SK-1
SK-2	ACTIVITY ROOM "B" SINK						FAUCET				1/2" CW 1/2" HW				SK-2
SK-3	ACTIVITY ROOM "A" SINK						FAUCET				1/2" CW 1/2" HW				SK-3
SK-4	SERVING PANTRY SINK	KOHLER	K-8188	VERTICYL SQUARE UNDERMOUNT SINK	13-1/4" X 13-1/16"	WHITE	FAUCET	DELTA	2171LF	BAR SINK FAUCET	1/2" CW 1/2" HW	POLISHED CHROME	0.50	PROVIDE FAUCET WITH 0.50 GPM AERATOR	SK-4
SK-5	SERVING PANTRY SINK						FAUCET				1/2" CW 1/2" HW				SK-5

GENERAL PLUMBING SCHEDULE

I.D.	FIXTURE						SUPPLY		REMARKS
	TYPE	MANUFACTURER	MODEL	STYLE	SIZE	FINISH/COLOR	CW	HW	
HB-1	HOSE BIBB	WOODFORD	B24	ANTI-SIPHON	---	CHROME	1/2"	---	FURNISH WITH LOOSE TEE KEY HANDLE
WH-1	WALL HYDRANT	WOODFORD	B65-CH	AUTOMATIC DRAINING, FREEZELESS, RECESSED BOX	7 1/2" X 6 1/2"	CHROME	3/4"	---	FURNISH WITH LOOSE TEE KEY HANDLE
JS-1	JANITORS SINK	FIAT	3624	MOLDED STONE	36" X 24"	CHROME	1/2"	1/2"	PROVIDE SERVICE FAUCET FIAT MODEL # 830-AA, HOSE AND HOSE BRACKET MODEL # 832-AA, AND MOP-HANGER MODEL # 888-CC
ET-2	EXPANSION TANK	AMTROL	ST-180V	THERM-X-TROL	22" X 46 3/4"	---	1 1/4"	---	

DRAIN SCHEDULE

I.D.	LOCATION	MANUFACTURER	MODEL	OUTLET	STRAINER	REMARKS
FD-1	RESTROOMS	JR SMITH	2010Y02-804CP-P050	2"	4" SQUARE	
FD-2	WATER SERVICE ROOM	JR SMITH	2233Y04-ANB-(P050)	4"	12" ROUND	TRAP PRIMER CONNECTION NOT REQUIRED ON GARAGE DRAINS

ELECTRIC WATER HEATER SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	TANK CAPACITY GALLONS	RECOVERY RATE @100°F GPH	TEMPERATURE SETTINGS °F	ELECTRICAL				REMARKS
						INPUT (KW)	VOLTAGE	PHASE	# OF ELEMENTS	
EWH-1	A.O. SMITH	DRE-52-12	50	50	140	12.3	208	1	3	

WATER SUB-METER SCHEDULE

I.D.	TYPE	MANUFACTURER	MODEL	STYLE	SIZE	FINISH/COLOR	REMARKS
WM-1	WATER METER (DOMESTIC WATER SERVICE)	NEPTUNE	3" TRUFLO COMPOUND SERIES METER	REMOTE READING	3"	HIGH COPPER ALLOY	PROVIDE REMOTE READING REGISTER
WM-2	WATER METER (LEVEL 1 - IRRIGATION)	NEPTUNE	T-10 METER	REMOTE READING	1"	HIGH COPPER ALLOY	PROVIDE REMOTE READING REGISTER

BACKFLOW PREVENTER SCHEDULE

I.D.	FIXTURE					SUPPLY		REMARKS
	TYPE	MANUFACTURER	MODEL	STYLE	LOCATION	CW	HW	
BFP-1	BACKFLOW PREVENTER	WATTS		REDUCED PRESSURE BACKFLOW PREVENTER	LEVEL 1 WATER SERVICE ROOM	1-1/2"	---	(LEVEL 1 WATER SERVICE ROOM - IRRIGATION)

MIXING VALVE SCHEDULE

I.D.	FIXTURE						SUPPLY		REMARKS
	TYPE	MANUFACTURER	MODEL	STYLE	SIZE	FINISH/COLOR	INLETS	OUTLETS	
MV-1	MIXING VALVE (DOMESTIC HOT WATER)	LEONARD							

PUMP SCHEDULE

I.D.	TYPE	LOCATION	MANUFACTURER	MODEL	G.P.M.	PSI	HEAD (FT)	ELEC. CHARACTERISTICS				REMARKS
								H.P.	VOLT	PHASE	R.P.M.	
CP-1	HOT WATER RECIRCULATOR PUMP	LEVEL 1	GRUNDFOS	MAGNA 3 40-80 F	15	-	15	-	115	1	-	
CP-2	HOT WATER RECIRCULATOR PUMP	LEVEL 1	GRUNDFOS	MAGNA 3 40-80 F	15	-	15	-	115	1	-	

DRAWING TITLE:  
PLUMBING SCHEDULES

DRAWN BY: SZ  
CHECKED BY: MC  
SCALE: 1/8" = 1'-0"  
PROJECT NO.: 21-125-2125.04

DRAWING NO.: P-002

PROJECT LOCATION:  
808 Wayland Center - Wayland Senior Center - PLU-PP V35.rvt  
DATE & TIME PRINTED: 11/15/2022 1:59:44 PM



TOWN OF WAYLAND

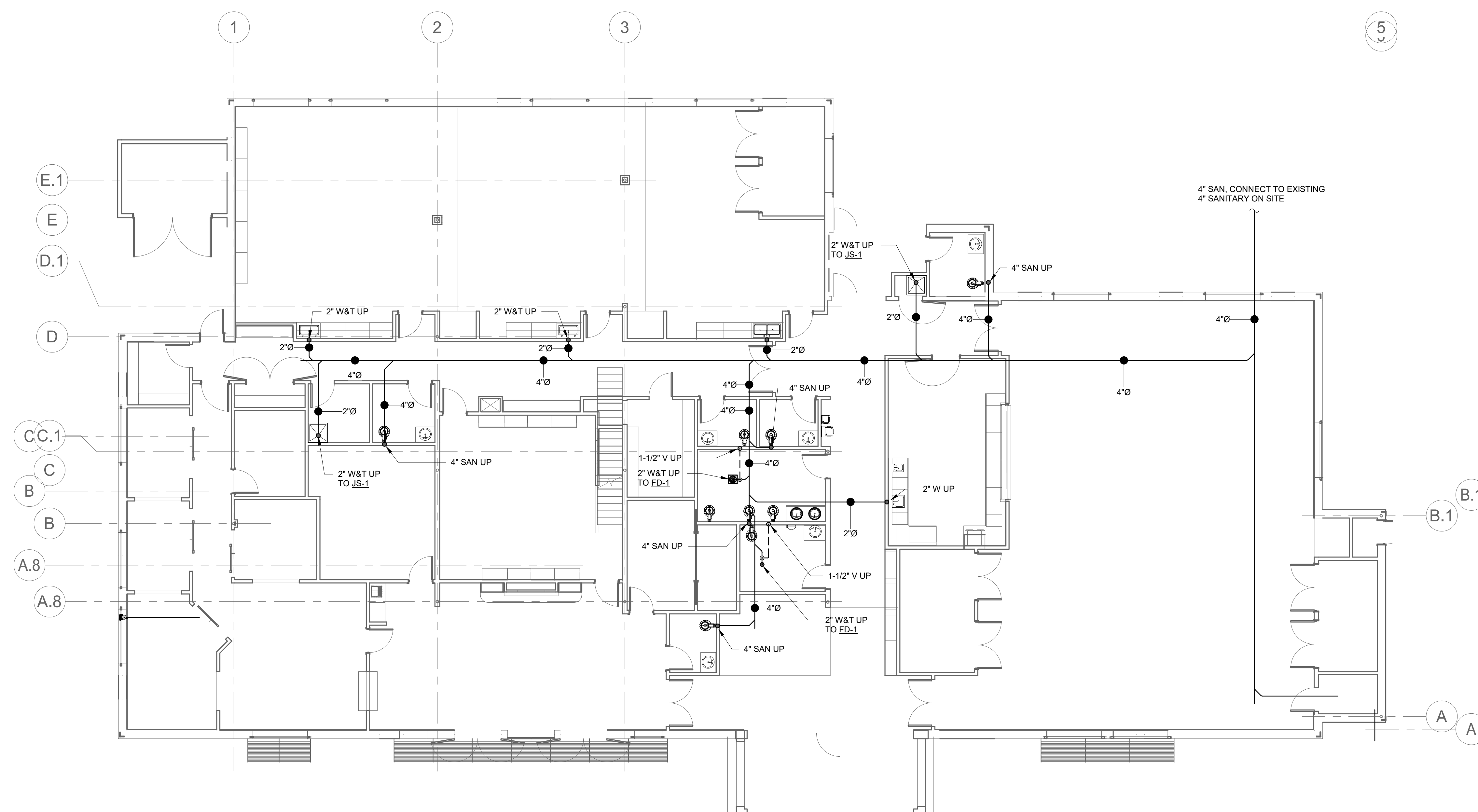
WAYLAND SENIOR CENTER  
8 ANDREW AVENUE.  
WAYLAND, MA 01778

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FAX: 207.582.8320

CONSULTANT:



ISSUE/REVISION:		
NO.	DATE	DESCRIPTION
0	1/12/2022	90% SET



DRAWING TITLE:  
**PLUMBING UNDERSLAB CONSTRUCTION PLAN**

DRAWN BY: SZ	SEAL:
CHECKED BY: MC	
SCALE: 1/8" = 1'-0"	
PROJECT NO.: 21-125-2125.04	
DRAWING NO.:	<b>P-200</b>





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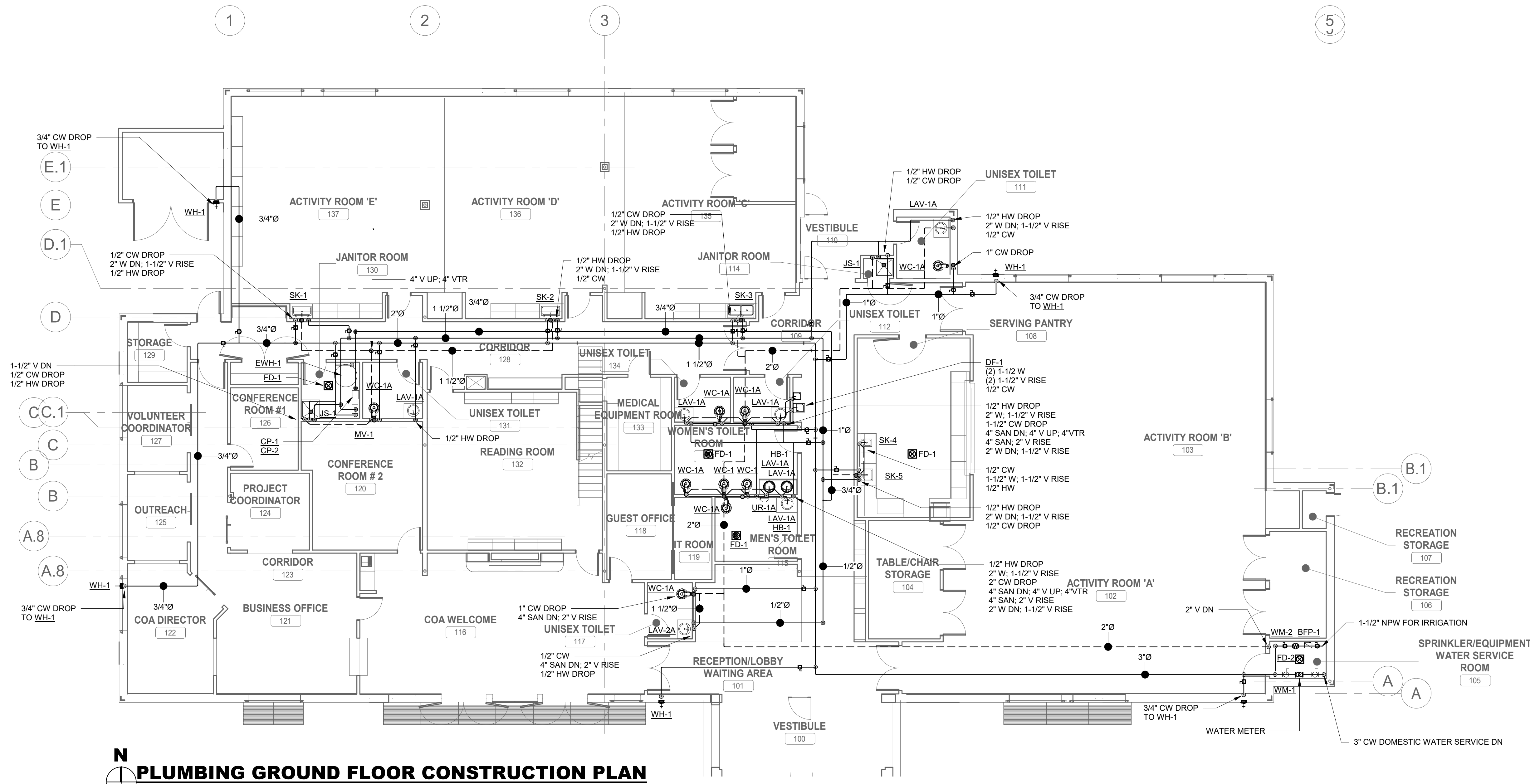
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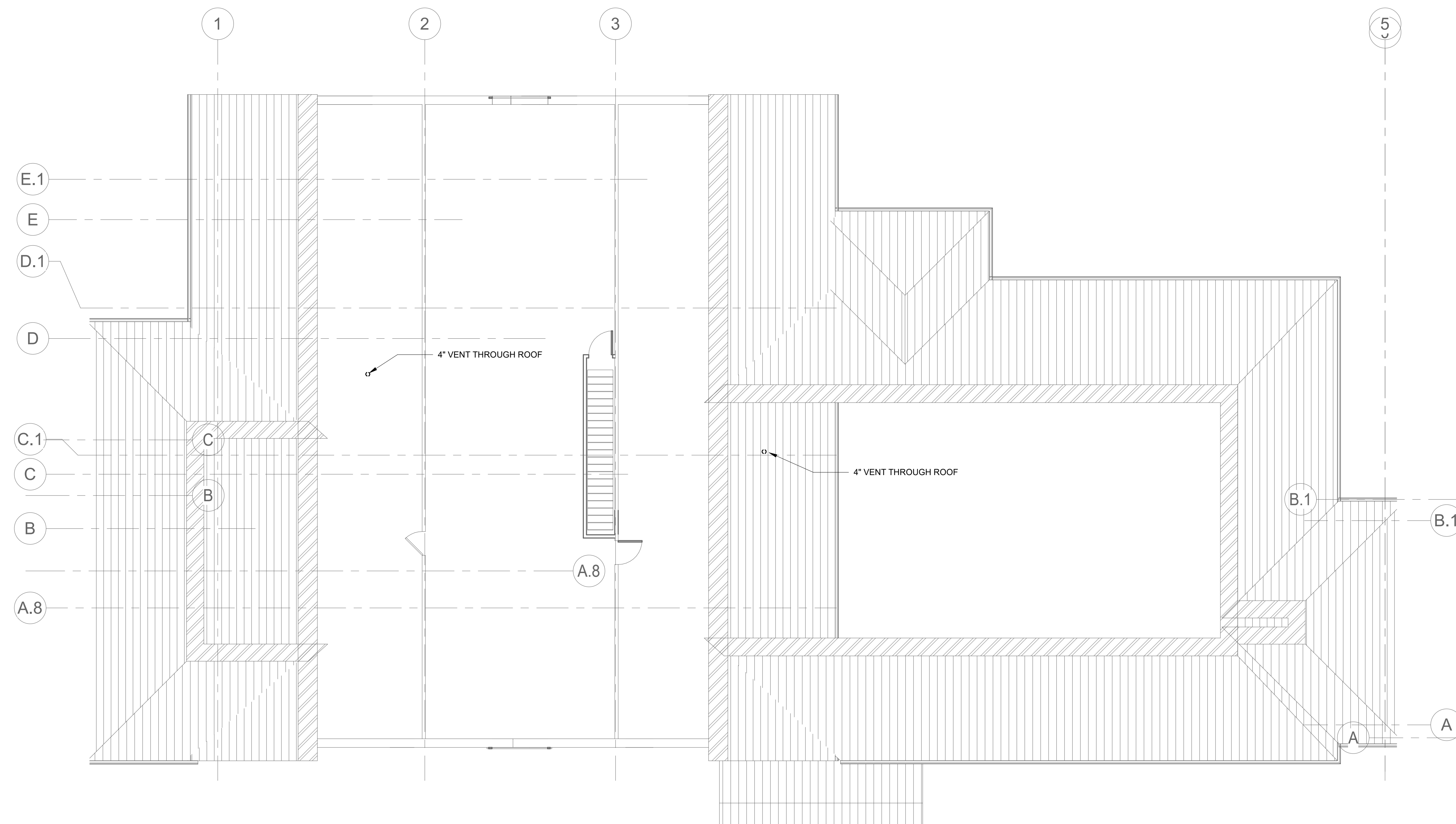
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FAX. 207.582.8320

CONSULTANT:



**N**  
**PLUMBING GROUND FLOOR CONSTRUCTION PLAN**  
SCALE: 1/8" = 1'-0"



**N**  
**PLUMBING ROOF PLAN**  
SCALE: 1/8" = 1'-0"

**ISSUE/REVISION:**

NO.	DATE	DESCRIPTION
0	10/12/2022	50%CD
1	11/15/2022	90% CD SET



**DRAWING TITLE:**  
**PLUMBING GROUND FLOOR & ROOF CONSTRUCTION PLAN**

DRAWN BY:  
SZ

CHECKED BY:  
MC

SCALE:  
1/8" = 1'-0"

PROJECT NO.:  
21-125-2125.04

DRAWING NO.:  
**P-201**

PROJECT LOCATION:  
828 West/Town of Wayland On Call TASK ORDER#421-125-2125.04 - Wayland Senior Center - PLU-PP V19.rvt  
DATE & TIME PRINTED: 11/15/2022 1:59:45 PM



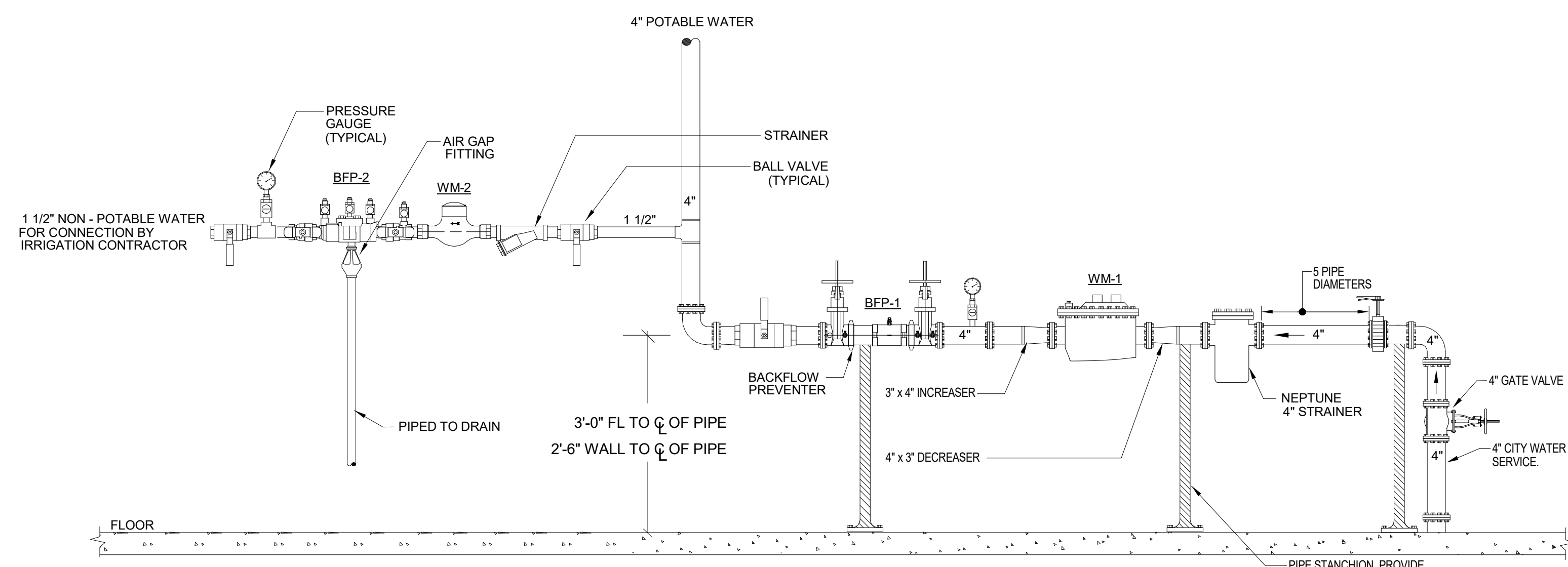
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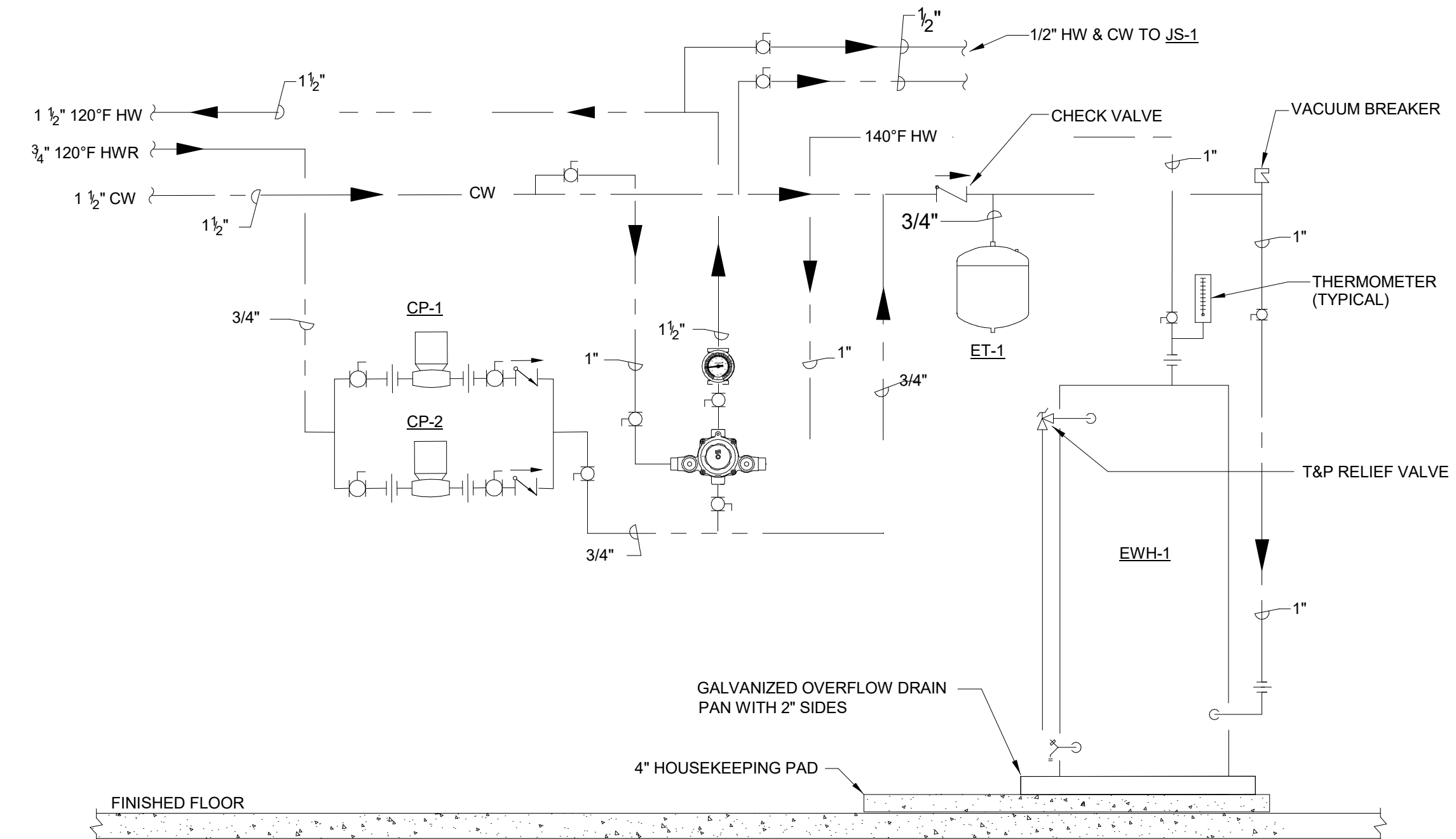
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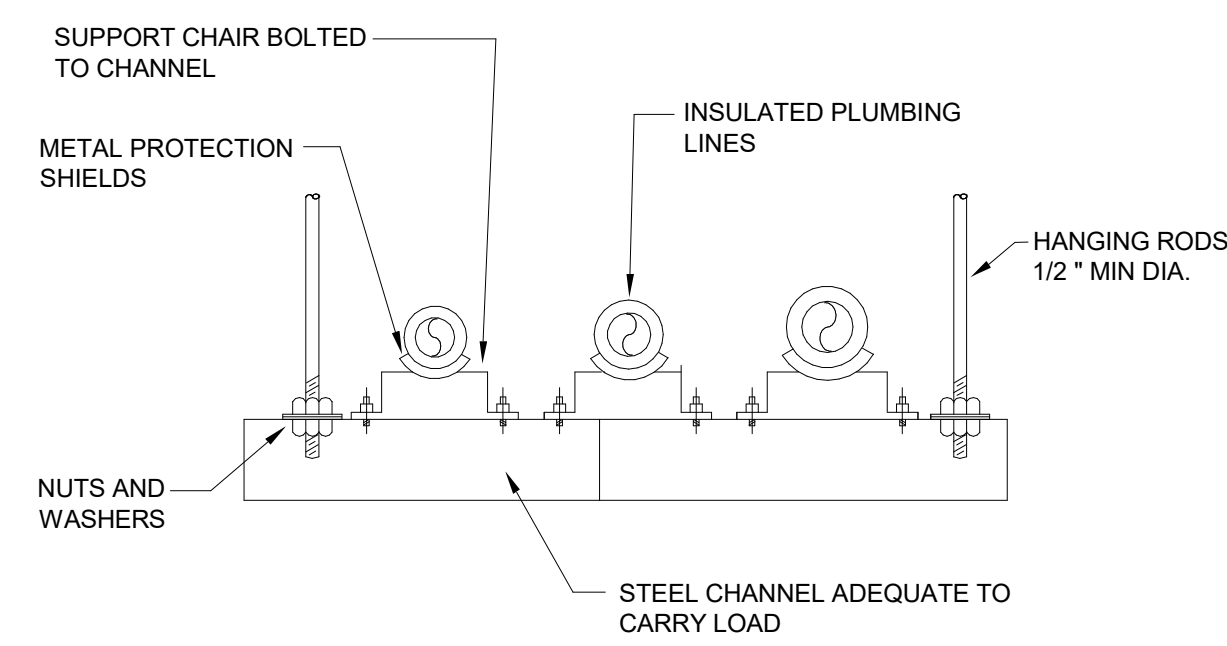


PLUMBING NOTES:  
1. WATER ENTRANCE ASSEMBLY SHALL BE INSTALLED A MINIMUM OF 2'-0" FROM ANY WALLS, PIPING OR EQUIPMENT.  
2. WATER ENTRANCE ASSEMBLY SHALL BE INSTALLED 3'-0" ABOVE THE FLOOR.  
3. PROVIDE 3'-0" CLEARANCE IN FRONT OF BACKFLOW PREVENTER.

1 DOMESTIC WATER SERVICE & IRRIGATION DETAIL  
P-301 NO SCALE

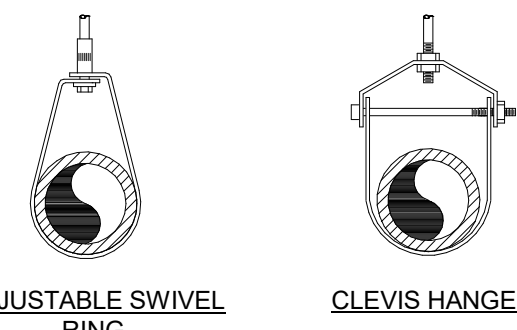


2 DOMESTIC WATER HEATER DETAIL  
P-301 NO SCALE



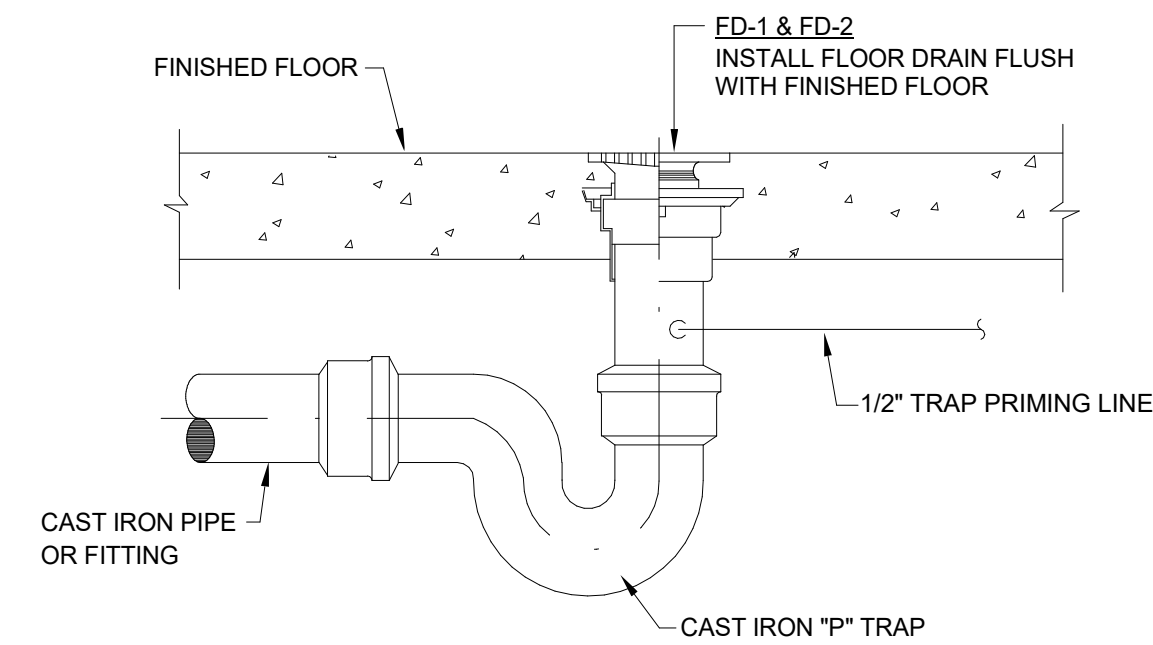
NOTE:  
PROVIDE INTERMEDIATE HANGING ROD SUPPORT WHERE NUMBER OF PIPES EXCEEDS FIVE (5).

3 TRAPEZE HANGER DETAIL  
P-301 NO SCALE

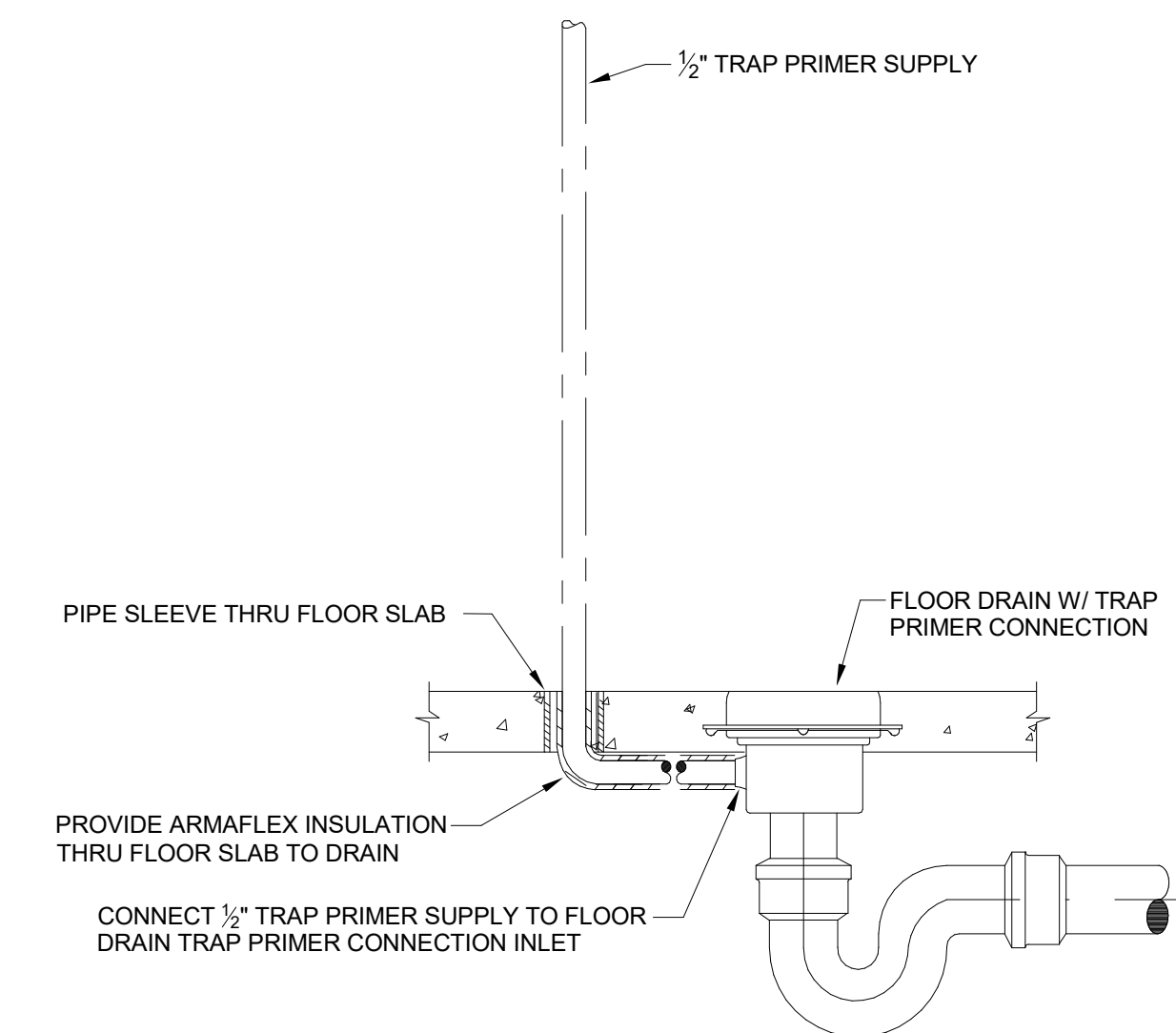


COPPER WATER PIPE HANGERS		
PIPE SIZE	ROD SIZE	MAX SPACING
UP TO 1 1/4"	3/8"	6 FEET
1 1/2" - 2"	3/8"	10 FEET
2 1/2" - 4"	1/2"	10 FEET

4 PIPE HANGER DETAIL  
P-301 NO SCALE



5 FLOOR DRAIN DETAIL  
P-301 NO SCALE

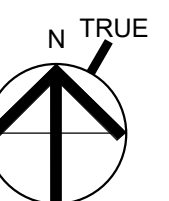


6 TRAP PRIMER DETAIL  
P-301 NO SCALE

ISSUE/REVISION:

NO.	DATE	DESCRIPTION
0	1/23/2022	90% SET

KEY PLAN:



DRAWING TITLE:  
PLUMBING DETAILS

DRAWN BY: SZ  
CHECKED BY: MC  
SCALE: 1/8" = 1'-0"  
PROJECT NO.: 21-125-2125.04  
DRAWING NO.:

P-301

PROJECT LOCATION:  
828 Mill/Town of Wayland On Call TASK ORDER#4221-125-2125.04 - Wayland Senior Center - PLU-PP V35.rvt  
DATE & TIME PRINTED: 11/15/2022 1:59:45 PM







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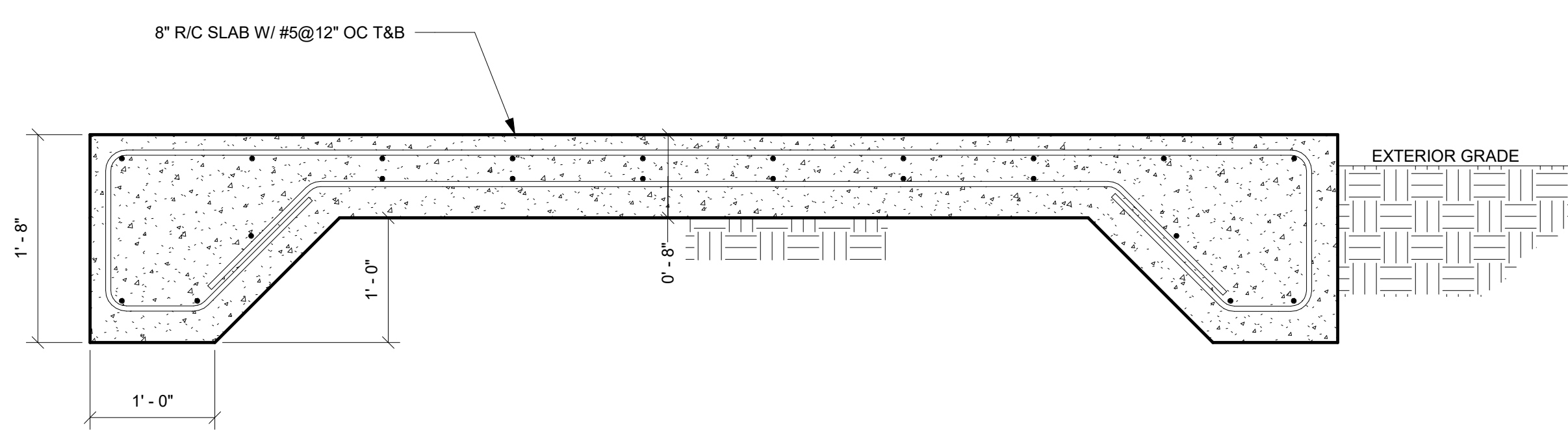
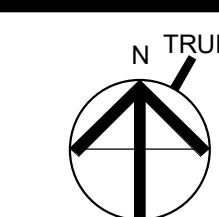
ENGINEERING ■ PORTLAND  
 500 WASHINGTON AVE  
 PORTLAND, ME 04103  
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CONSULTANT:

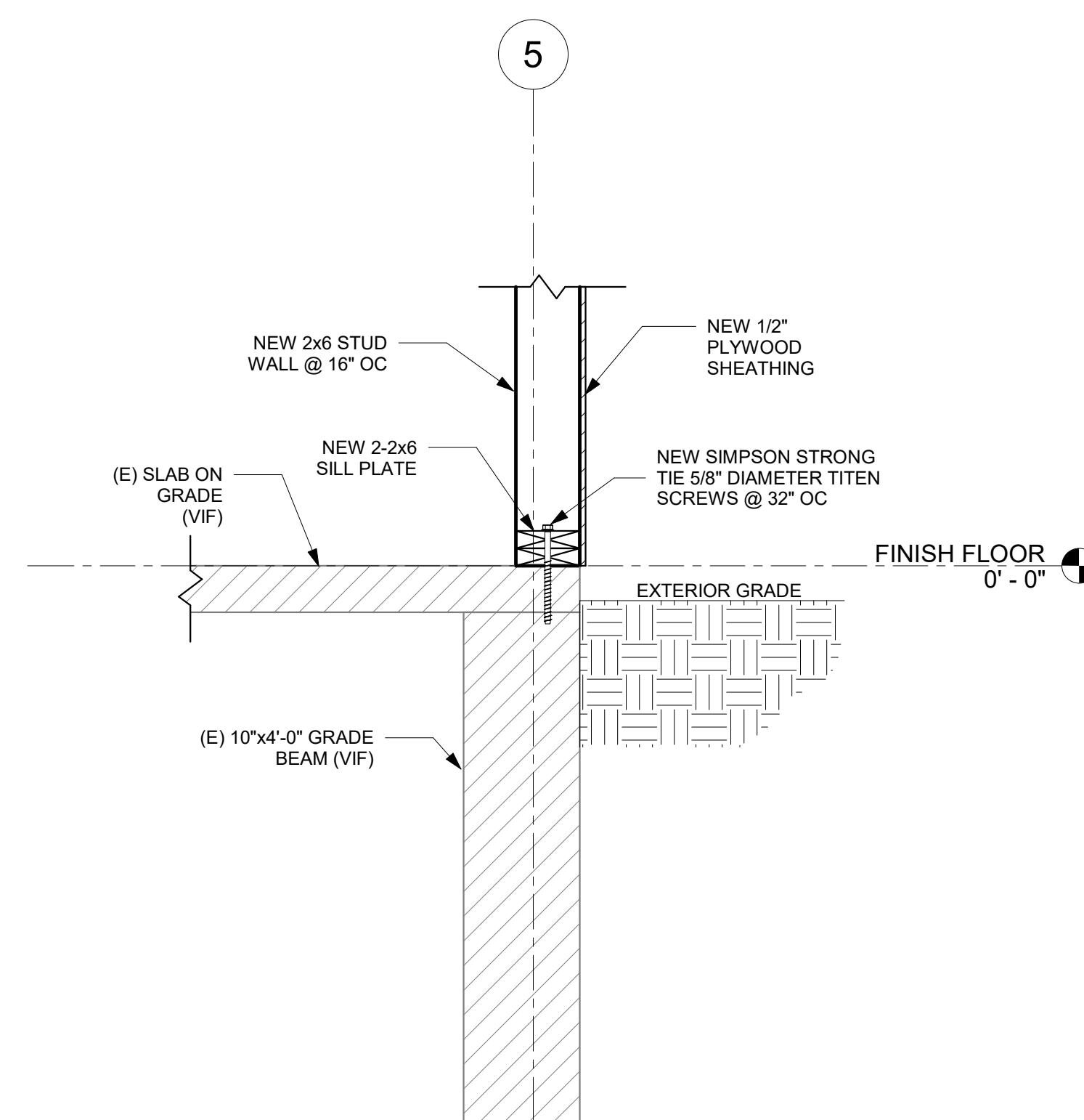
ISSUE/REVISION:

NO.	DATE	DESCRIPTION
1	10/12/2022	50% CD SET
2	11/15/2022	90% CD SET

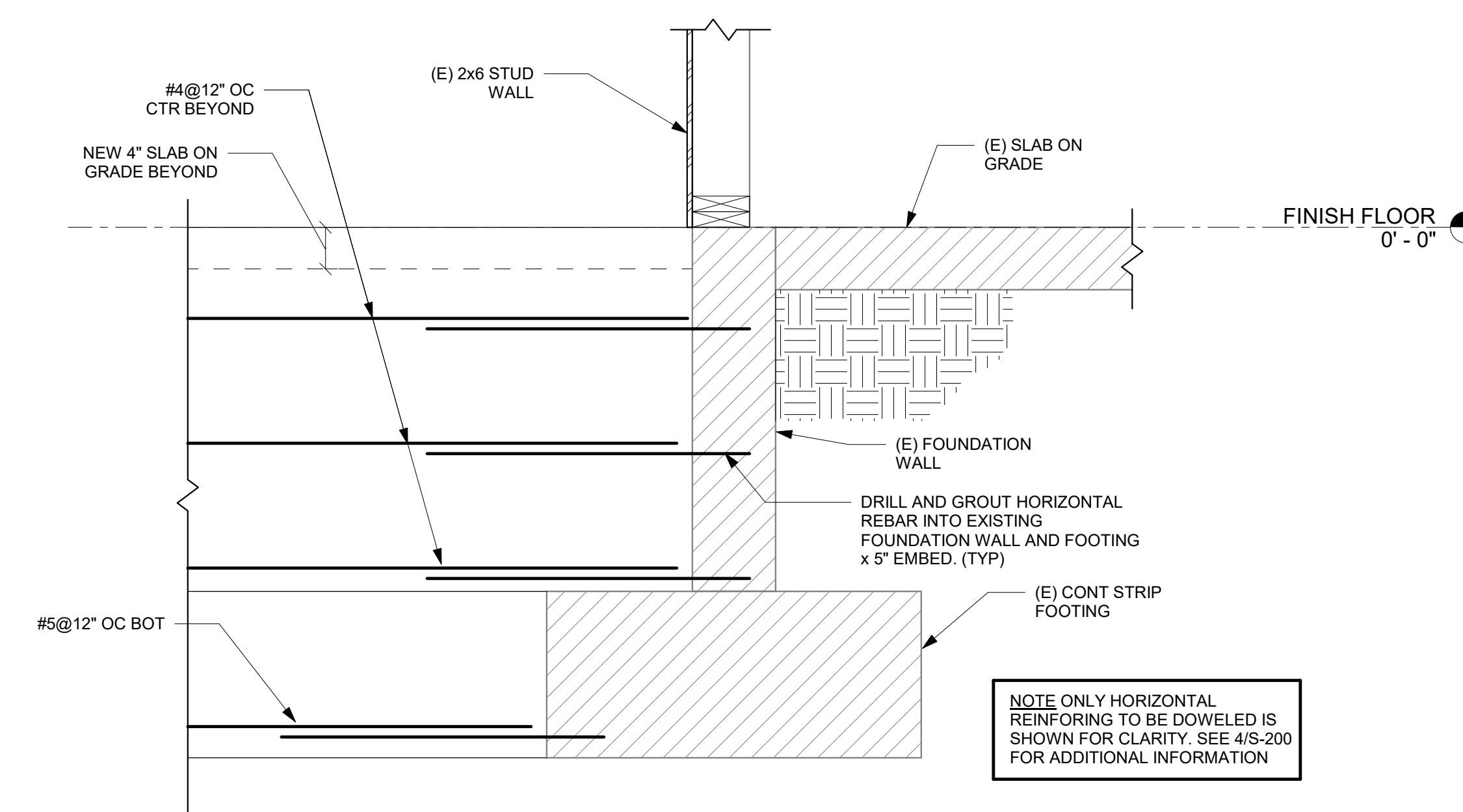
KEY PLAN:



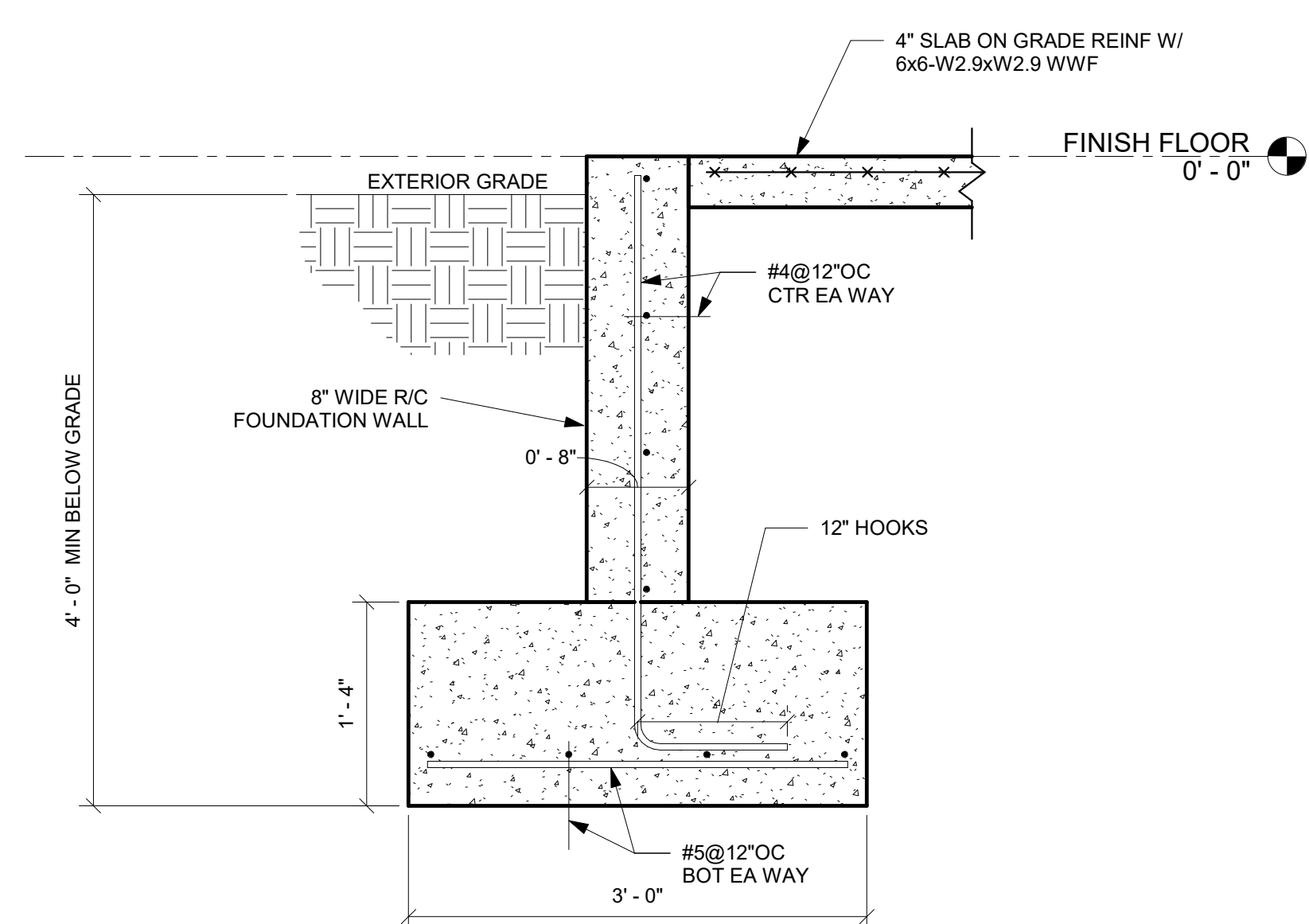
① CONCRETE DUMPSTER PAD  
 1" = 1'-0"



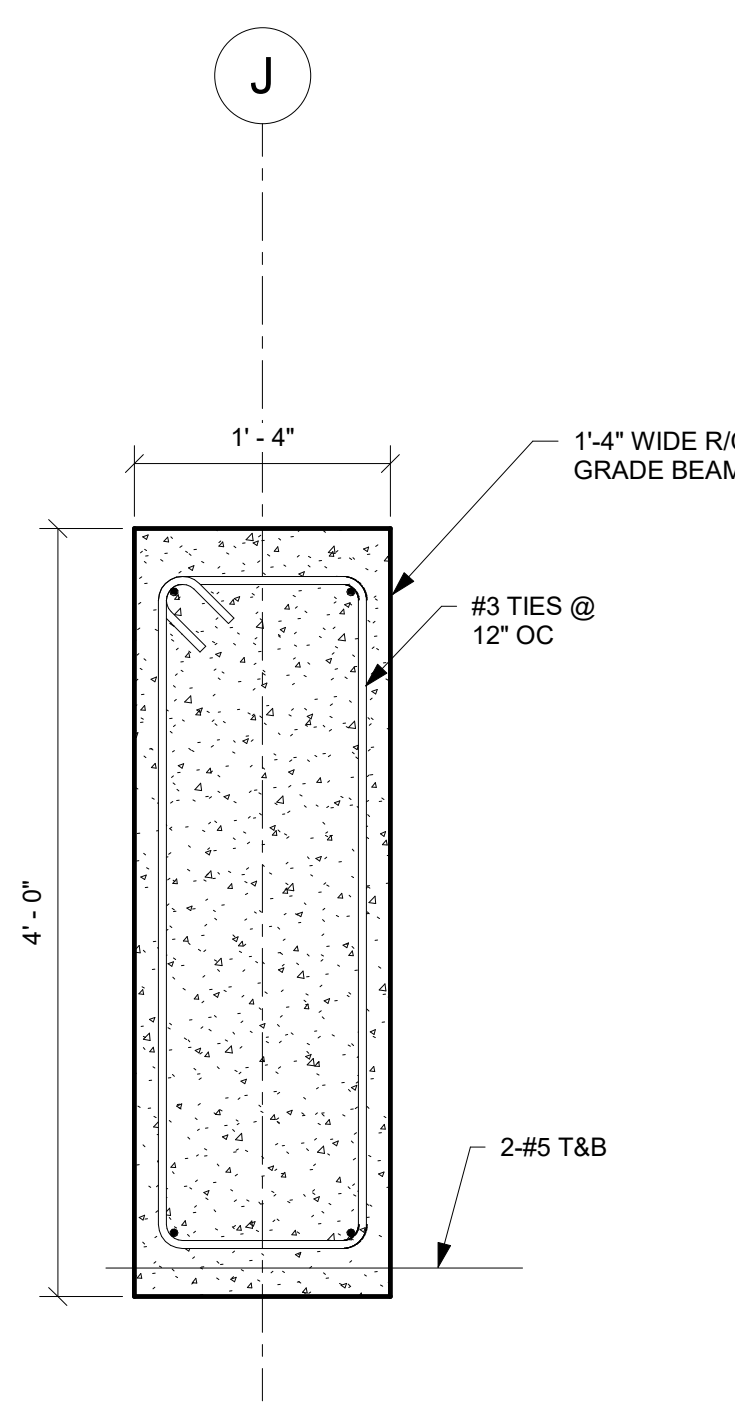
② EXISTING ENTR VESTIBULE FOUNDATION  
 1" = 1'-0"



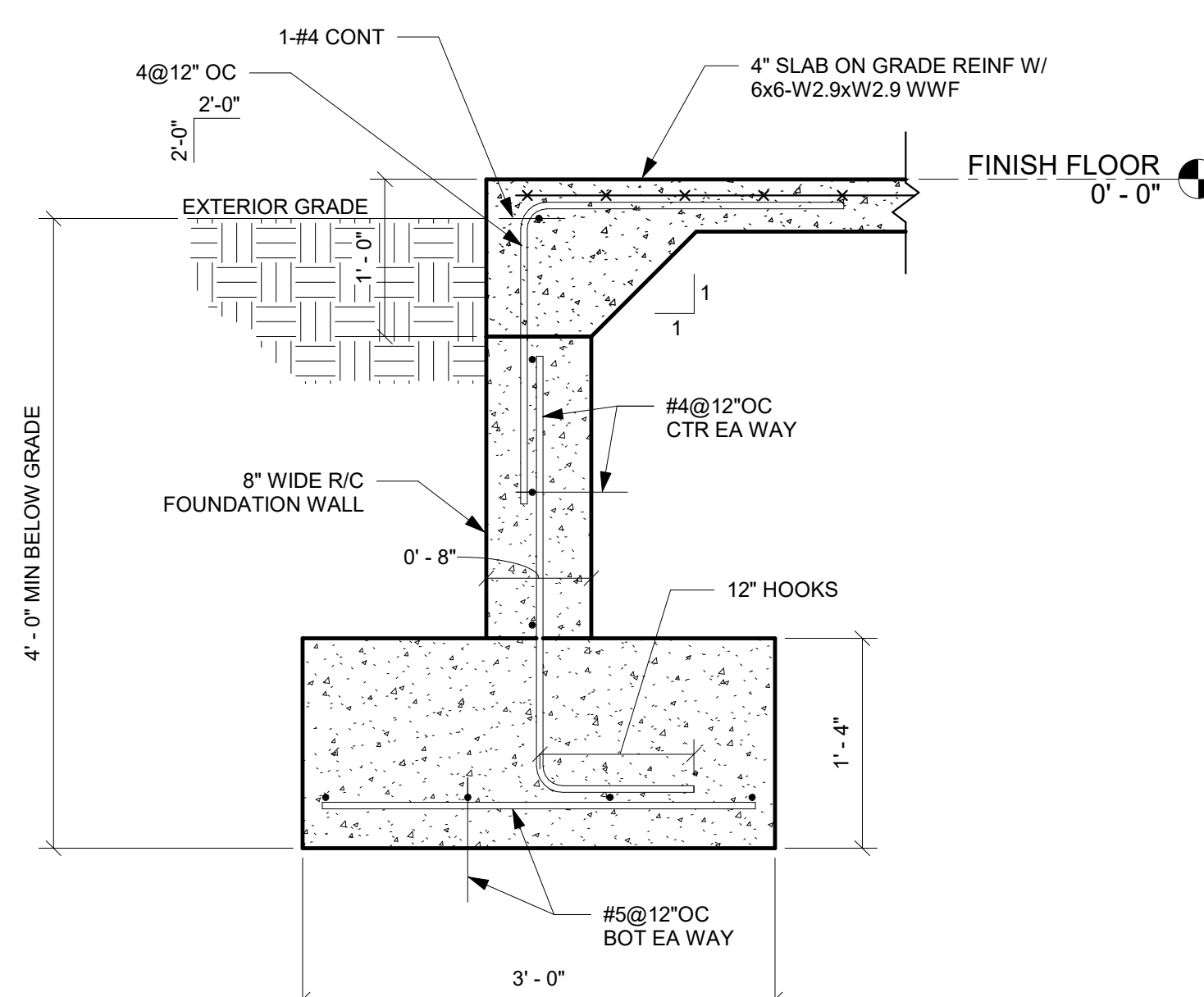
③ FOUNDATION WALL DOWEL DETAIL  
 1" = 1'-0"



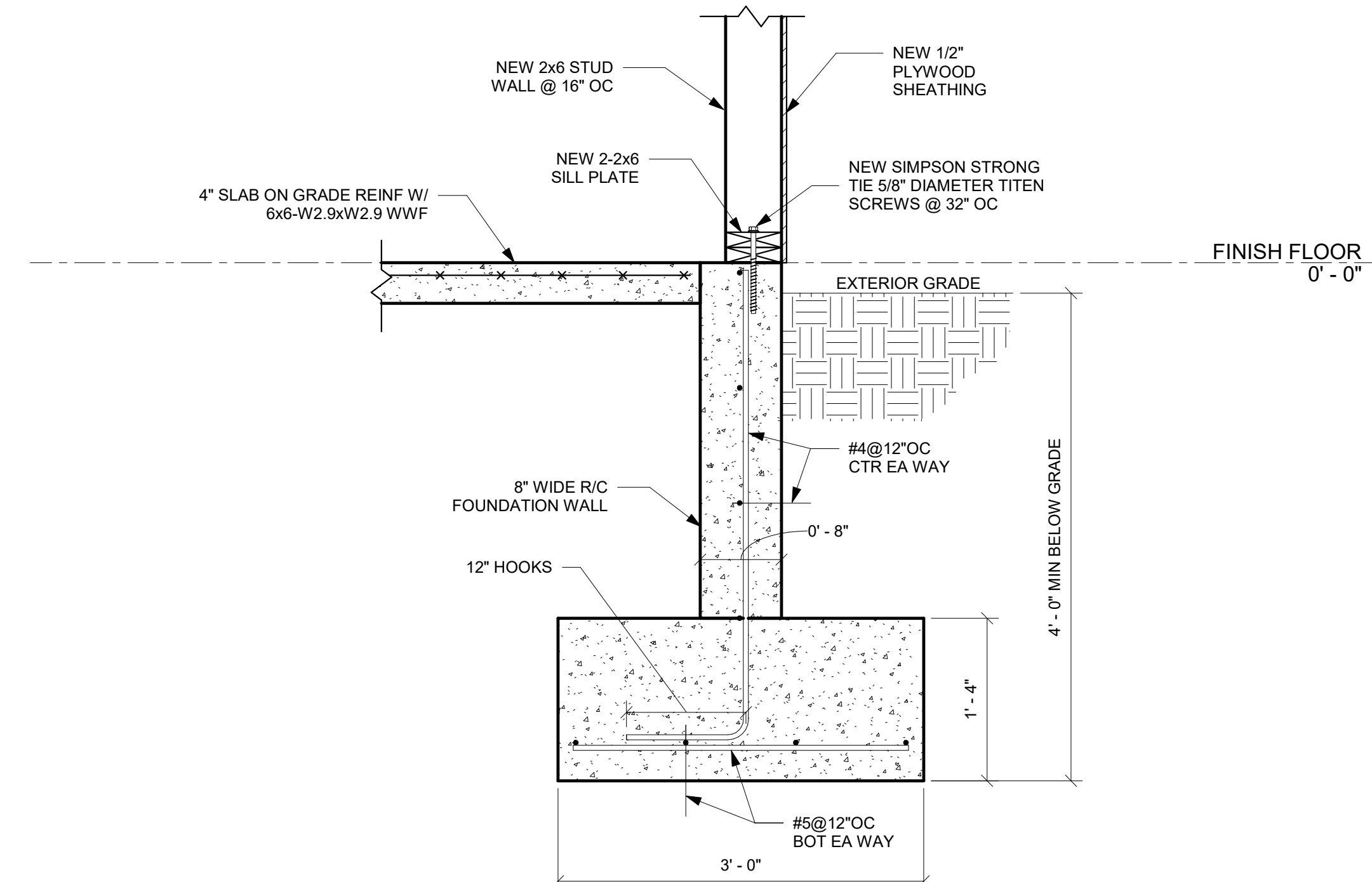
④ NEW ENTRY VESTIBULE FOUNDATION  
 1" = 1'-0"



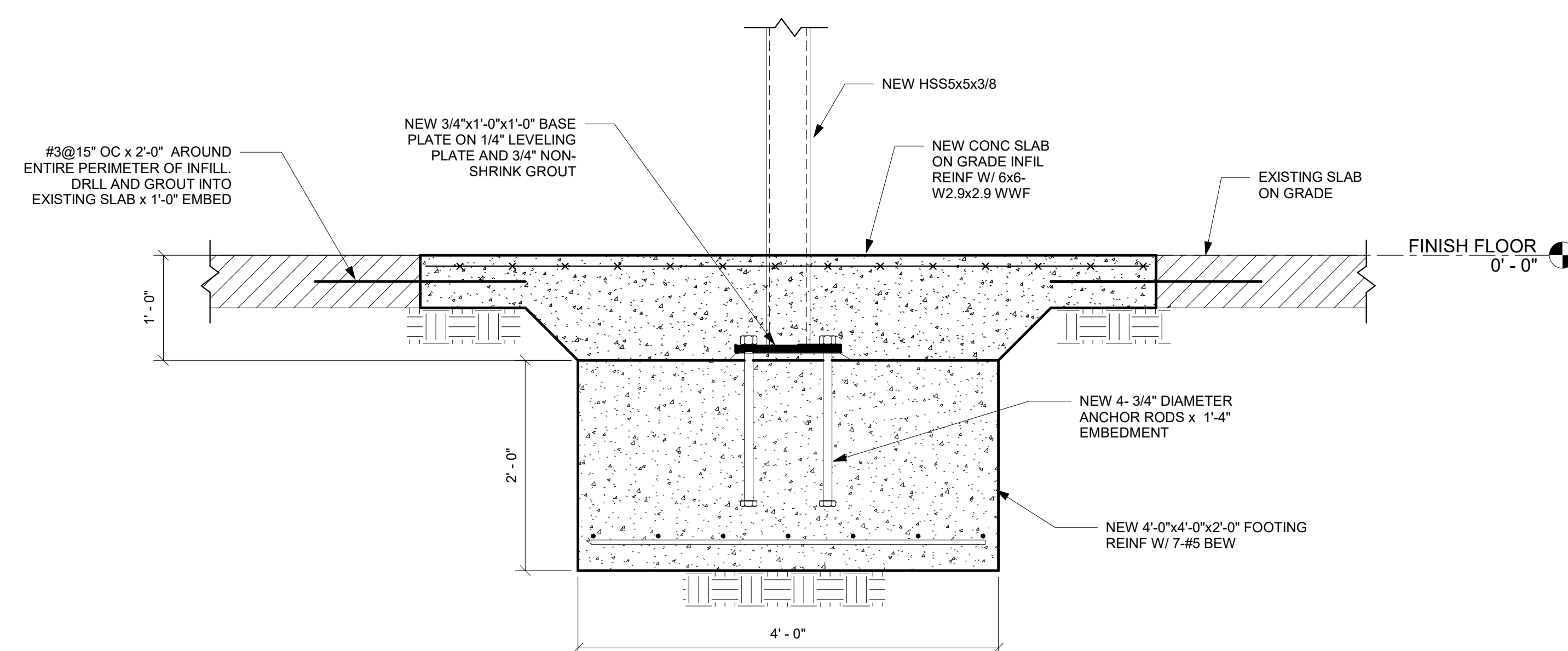
⑤ NEW ENTRY VESTIBULE FOUNDATION AT CANOPY  
 1" = 1'-0"



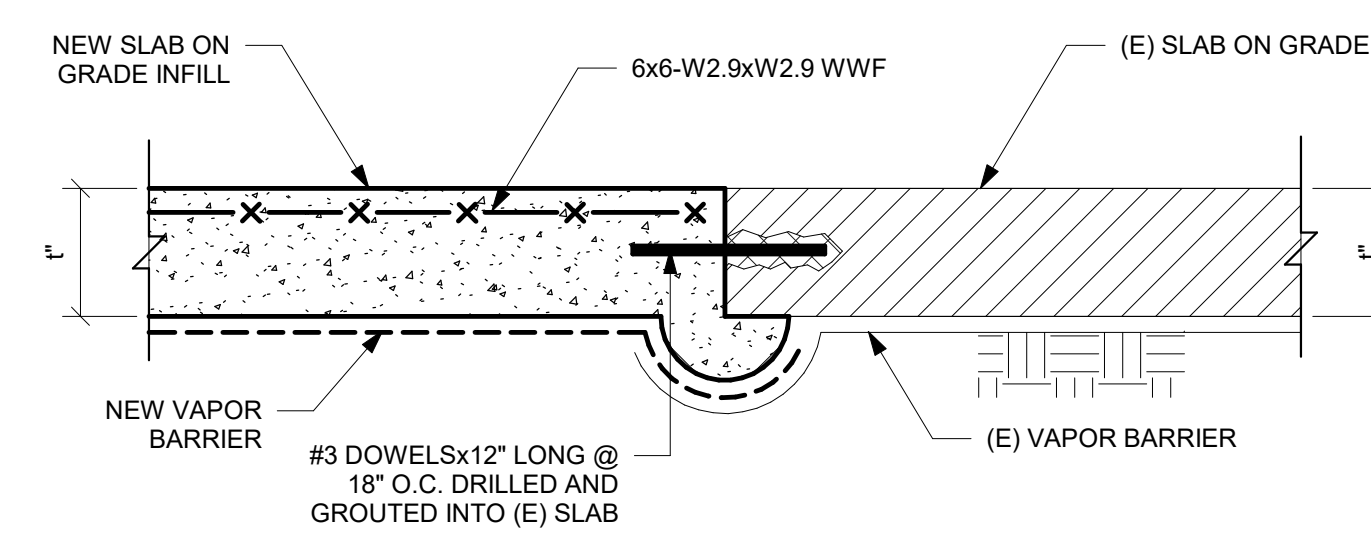
⑥ NEW VESTIBULE FOUNDATION  
 1" = 1'-0"



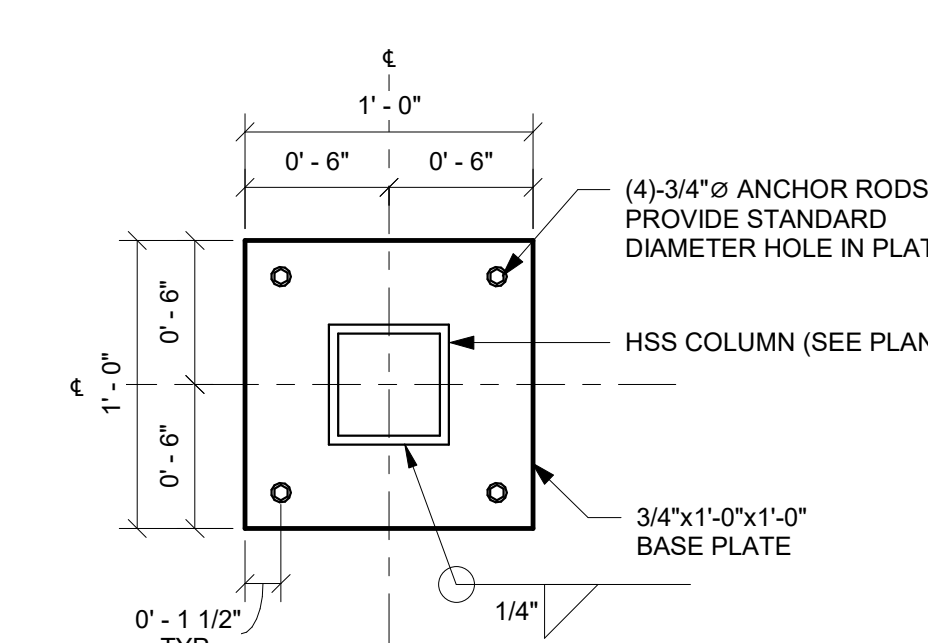
⑦ NEW VESTIBULE FOUNDATION  
 1" = 1'-0"



⑧ NEW FOOTING DETAIL  
 1" = 1'-0"



⑨ TYPICAL SLAB INFILL DETAIL  
 1" = 1'-0"



⑩ TYPICAL BASEPLATE DETAIL  
 1 1/2" = 1'-0"

DRAWING TITLE:  
**FOUNDATION SECTIONS**

DRAWN BY: NP	SEAL:
CHECKED BY: FH	
SCALE: As indicated	
PROJECT NO.:	
Project Number	

DRAWING NO.:

**S-200**



TOWN OF WAYLAND

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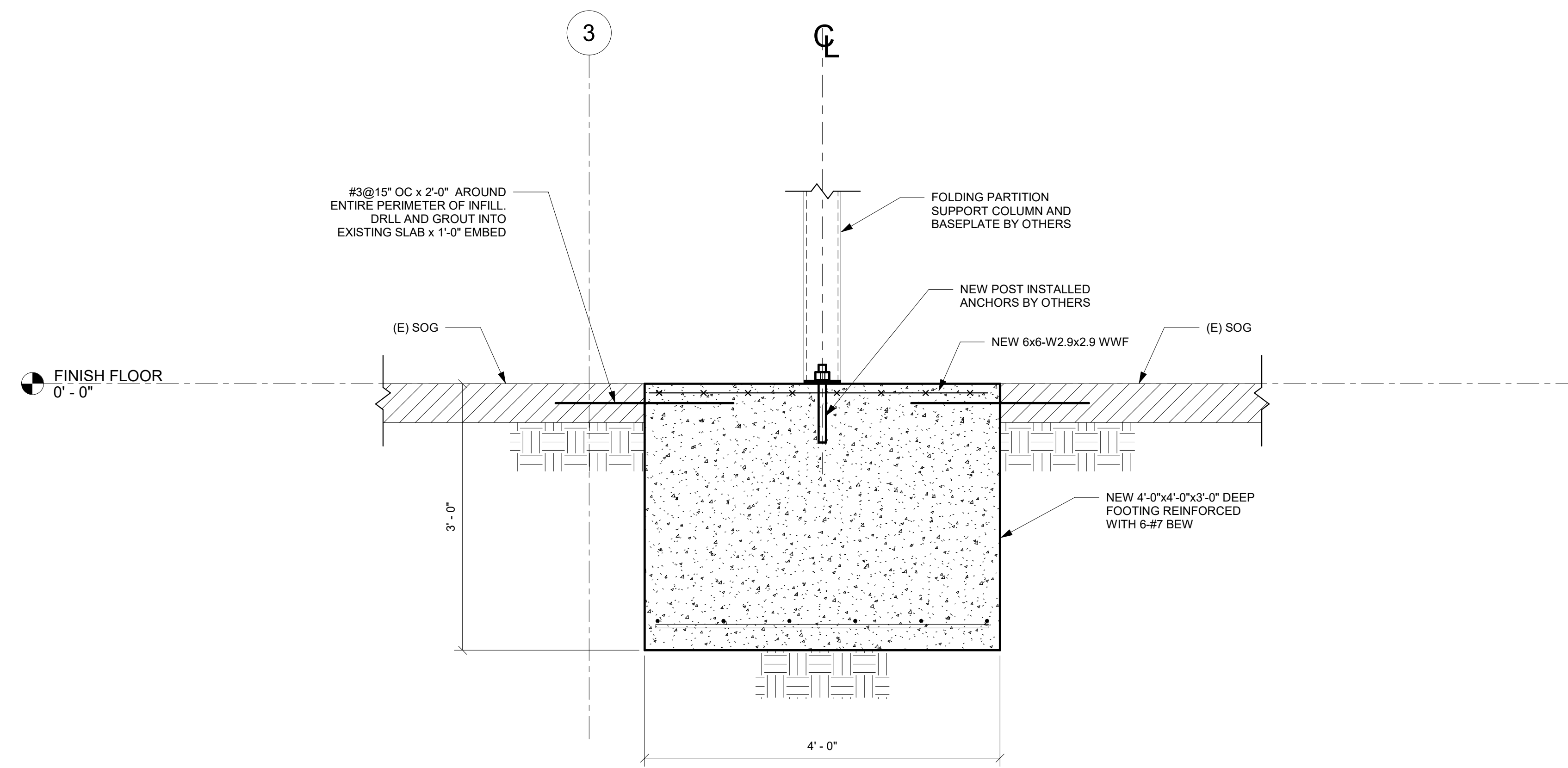
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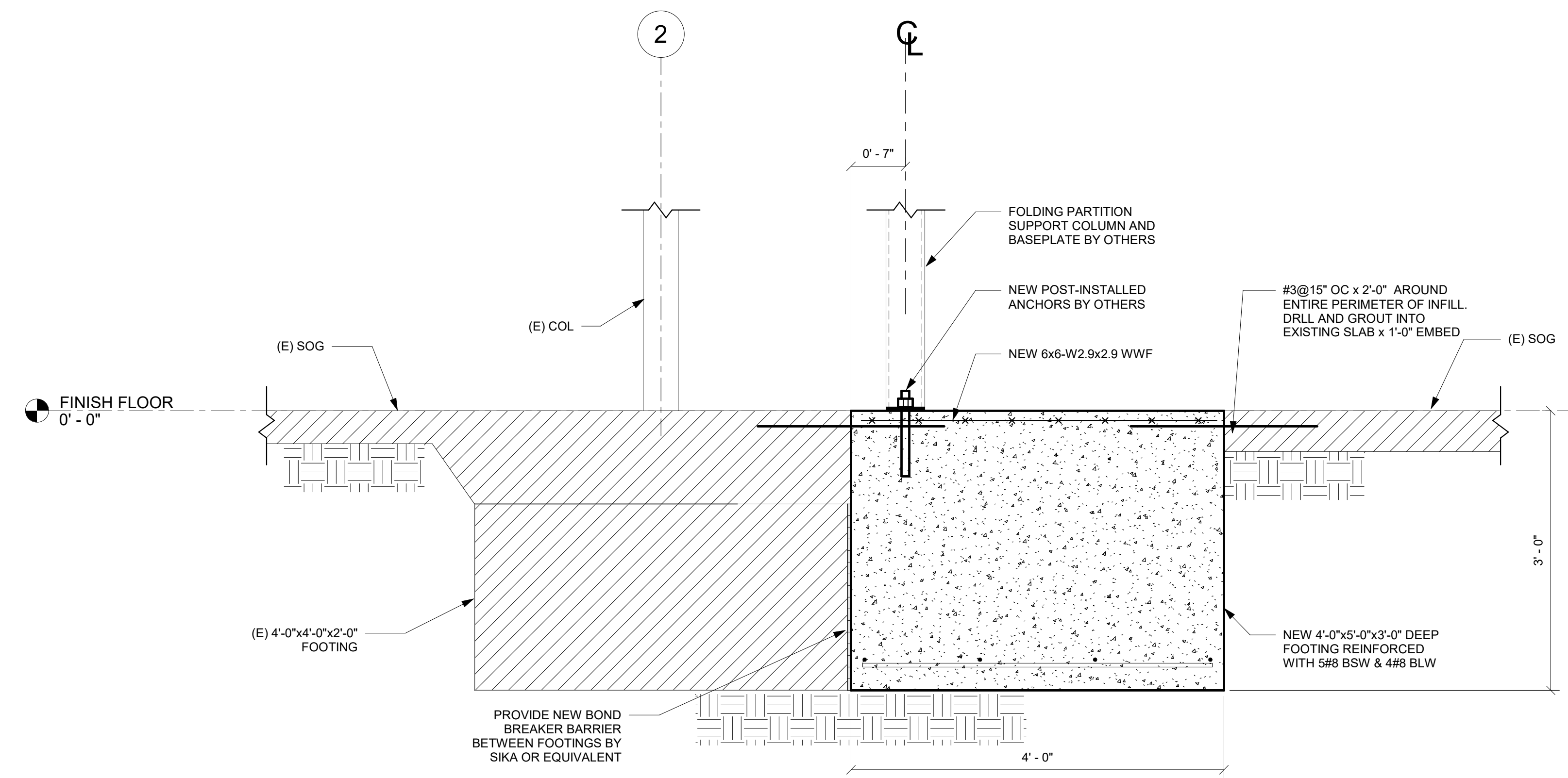
ARCHITECTURE ■ BOSTON  
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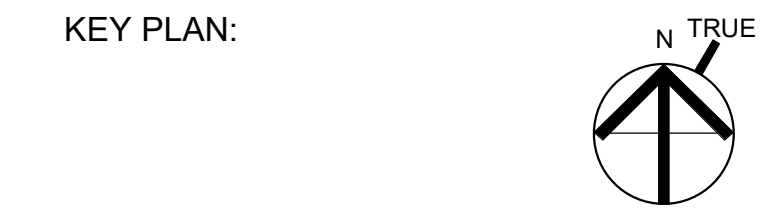


① PRE FABRICATED PARTITION FOOTING  
1" = 1'-0"



② PRE FABRICATED PARTITION ECCENTRIC FOOTING  
1" = 1'-0"

ISSUE/REVISION:		
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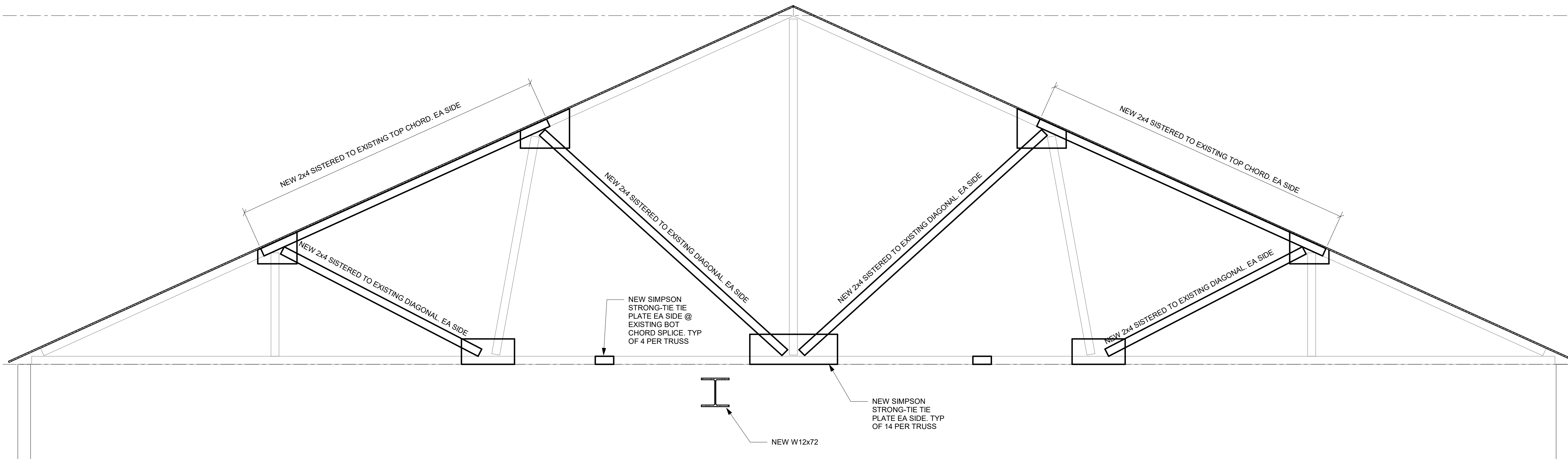
DRAWING TITLE:  
FOUNDATION SECTIONS

DRAWN BY: Author	SEAL:
CHECKED BY: Checker	
SCALE: 1" = 1'-0"	PROJECT NO.: Project Number
DRAWING NO.:	

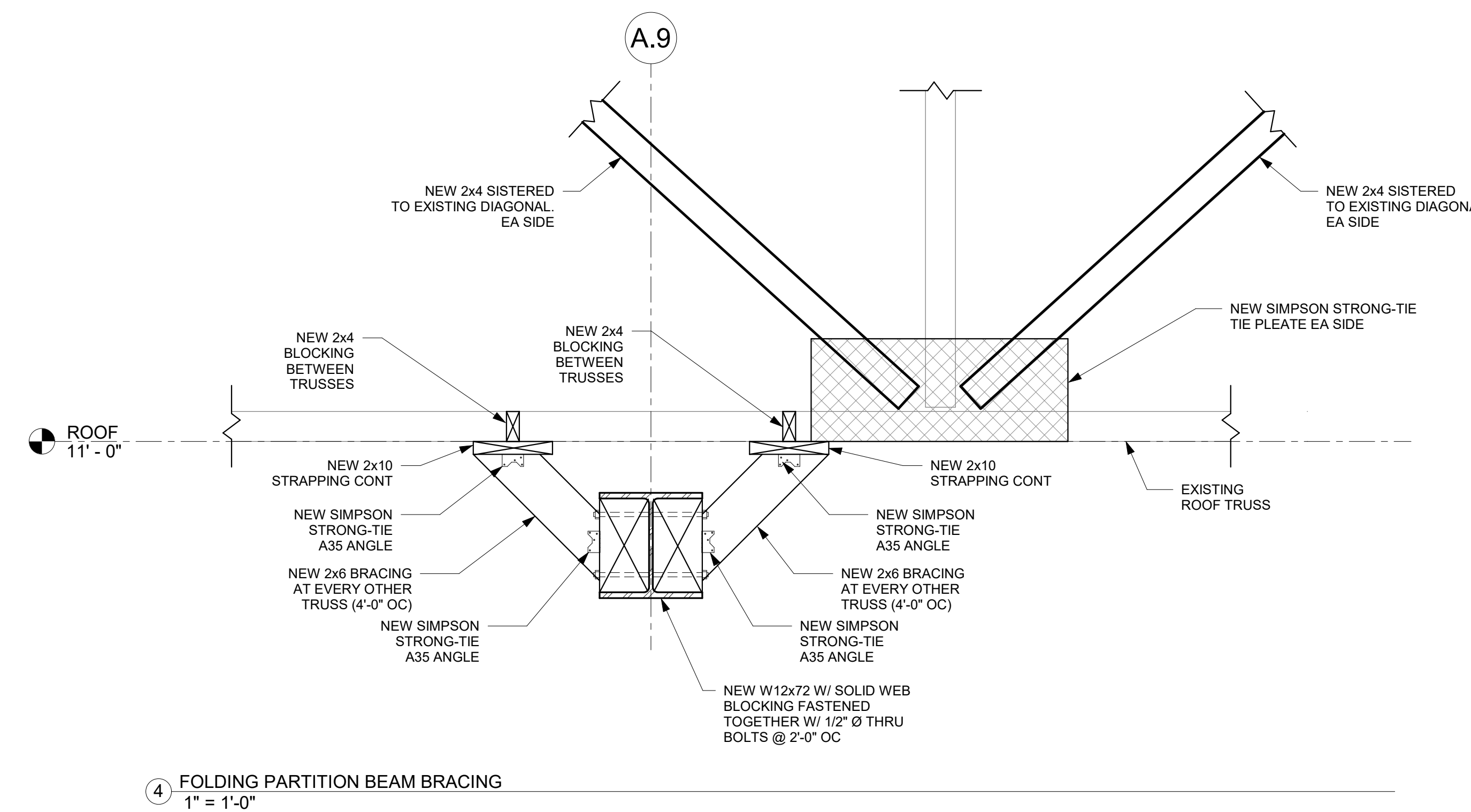
DRAWING NO.:  
**S-201**

TOP OF LOW RIDGE  
23'-7"

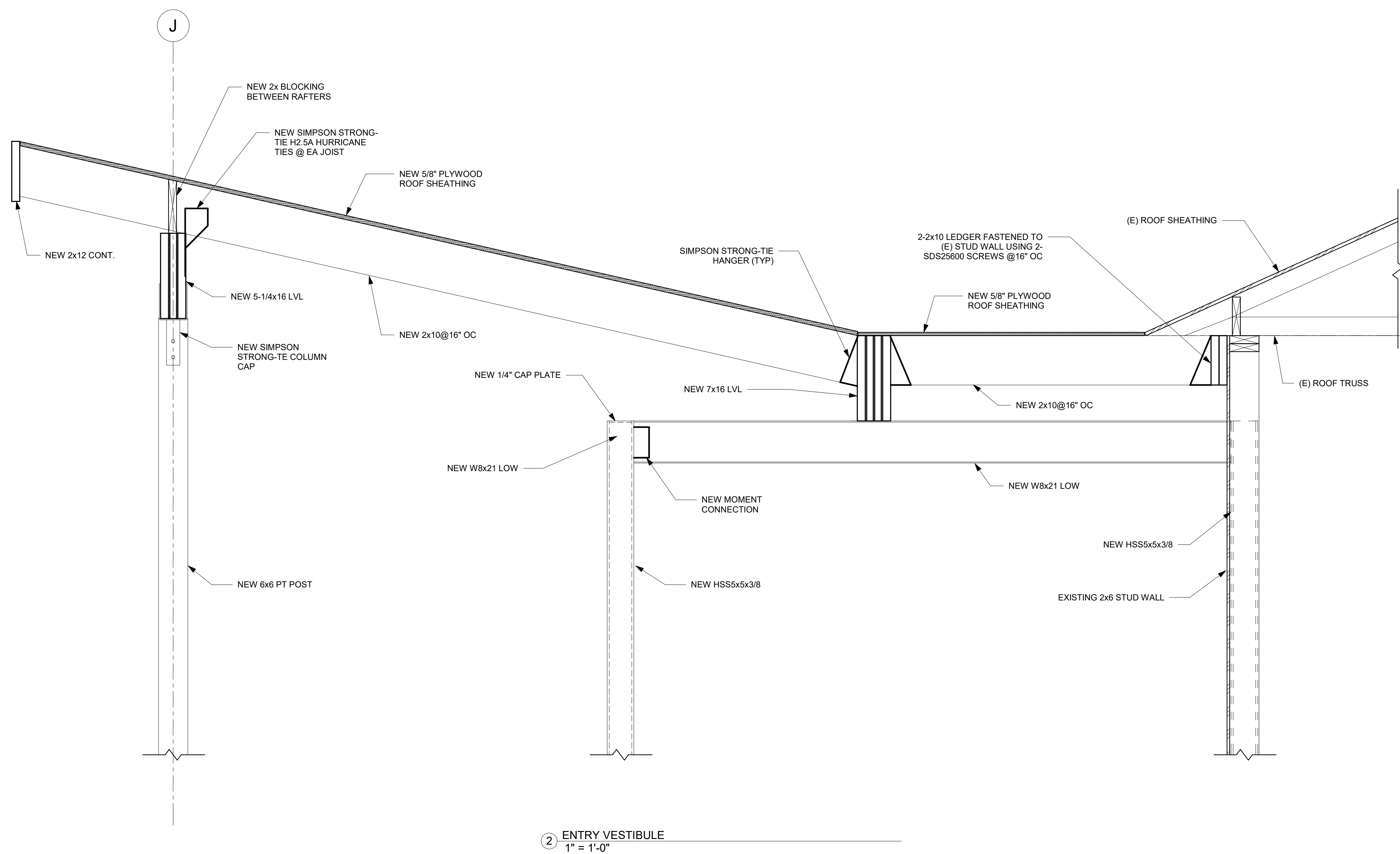
ROOF  
11'-0"



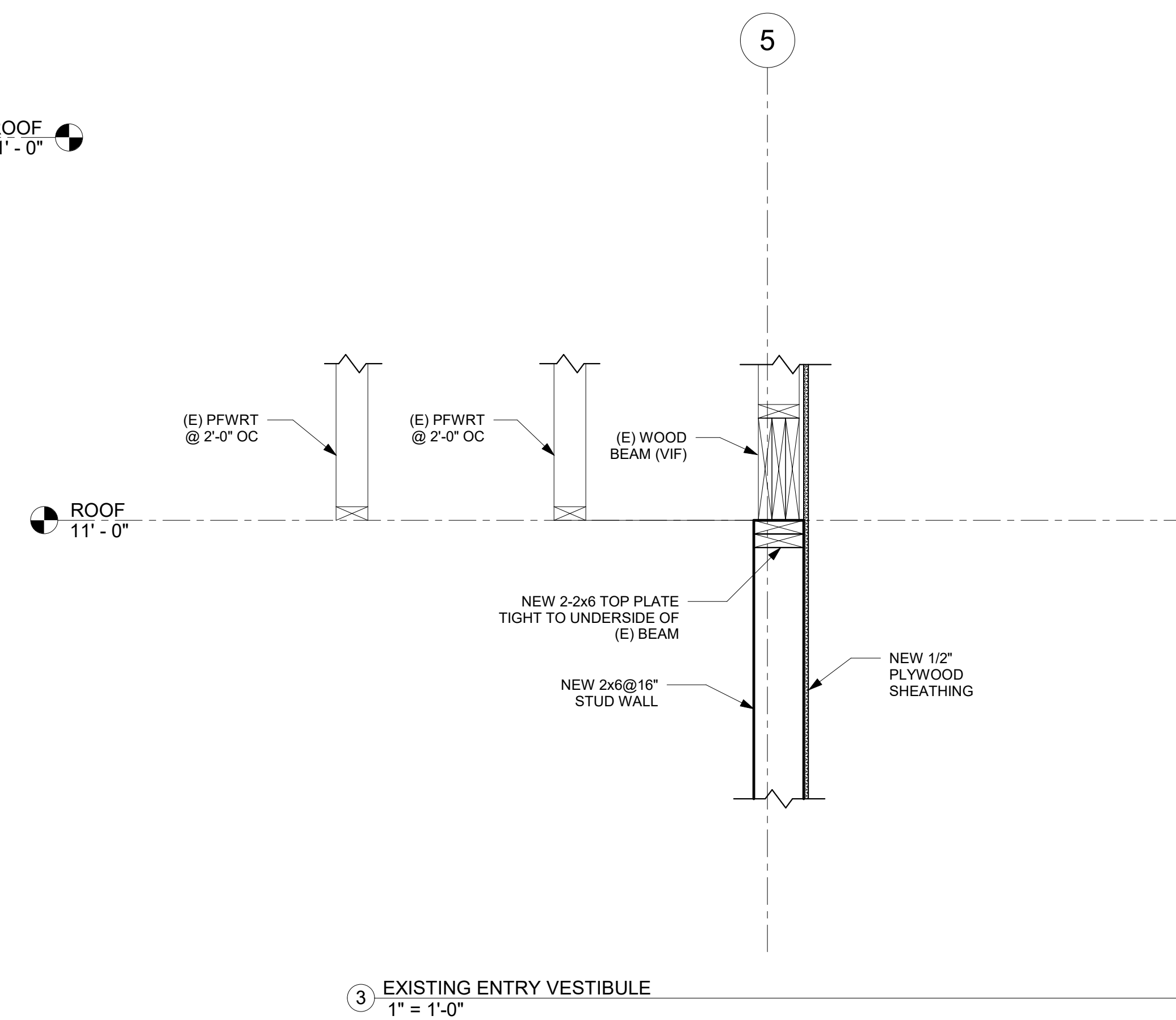
1 TRUSS REINFORCING DETAIL  
1/2" = 1'-0"



4 FOLDING PARTITION BEAM BRACING  
1" = 1'-0"



2 ENTRY VESTIBULE  
1" = 1'-0"



3 EXISTING ENTRY VESTIBULE  
1" = 1'-0"



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CONSULTANT:

ISSUE/REVISION:

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1	10/12/2022	50% CD SET
2	11/15/2022	90% CD SET

KEY PLAN:



DRAWING TITLE:  
FRAMING SECTIONS

DRAWN BY: NP	SEAL:
CHECKED BY: FH	
SCALE: As indicated	
PROJECT NO.: Project Number	

DRAWING NO.:

S-202







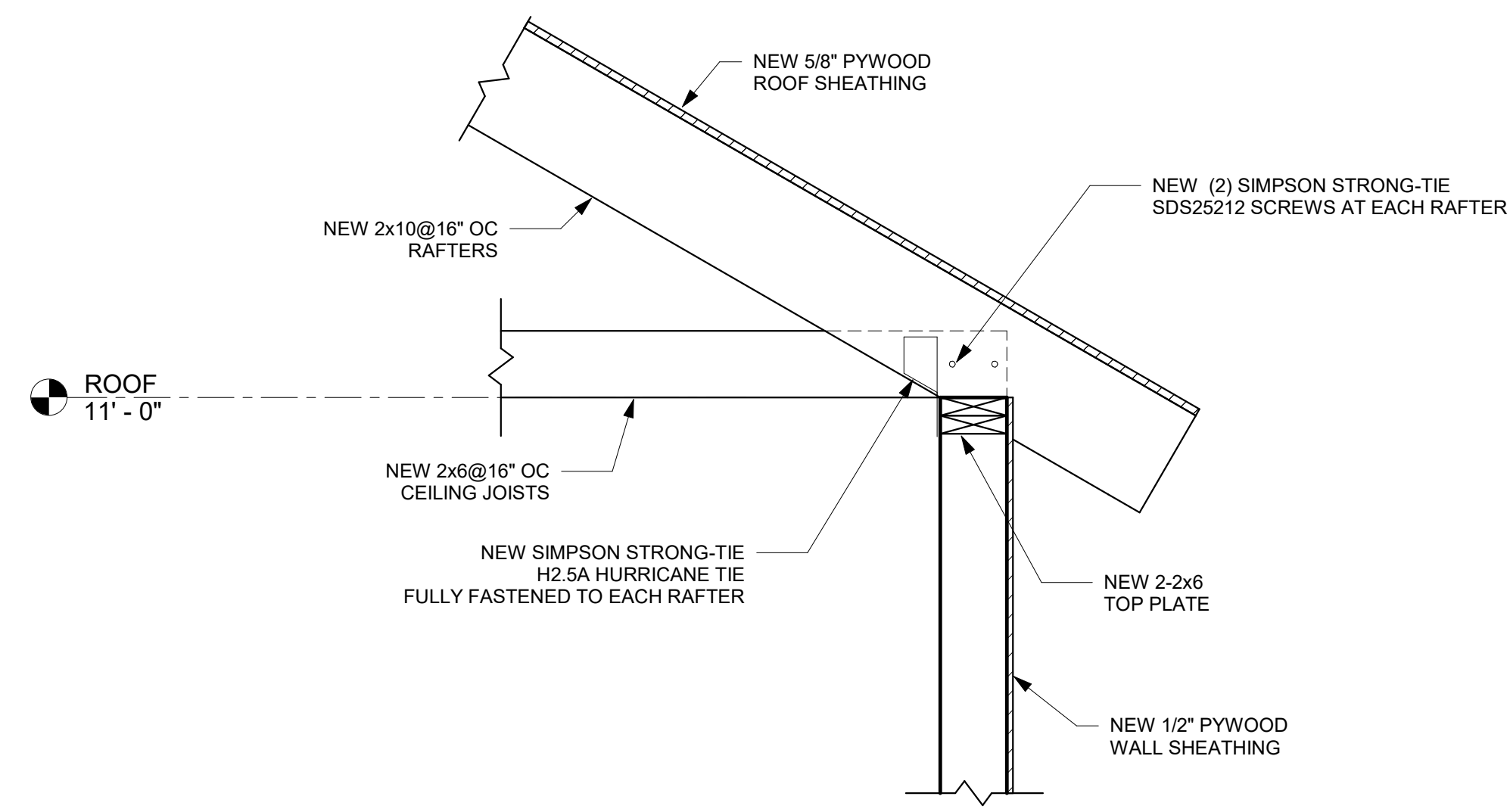
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1 ROOF FRAMING AT NEW VESTIBULE  
1" = 1'-0"

CONSULTANT:

ISSUE/REVISION:

NO:	DATE:	DESCRIPTION:
2	11/15/2022	90% CD SET

KEY PLAN:



DRAWING TITLE:  
FRAMING SECTIONS

DRAWN BY: Author	SEAL:
CHECKED BY: Checker	
SCALE: 1" = 1'-0"	
PROJECT NO.: Project Number	

DRAWING NO.:  
S-204