

Beaverton School District

Rock Creek Elementary School

Freezer Replacement

4125 NW 185th Ave  
Portland, OR 97229

AHJ: WASHINGTON COUNTY  
TAX LOT #: 1N224DD00100

SHEET INDEX

General	
G0000	COVER PAGE
G1101	SITE PLAN & CODE REVIEW
Architectural	
AD1501	DEMOLITION FLOOR PLANS AND SECTIONS
A1101	OVERALL FLOOR PLAN
A1501	FLOOR PLANS AND SECTIONS
A1601	REFLECTED CEILING PLAN
A5301	DETAILS
Food Service	
FS-100	SYMBOLS, NOTES, & INDEX
FS-101	REFERENCE PLAN
FS-102	EQUIPMENT FLOOR PLAN & SCHEDULE
FS-201	PLUMBING & ELECTRICAL PLANS
FS-301	REFRIGERATION & BUILDING WORKS PLANS / CONSTRUCTION DETAILS
FS-302	REFRIGERATION DETAILS
FS-303	WALK-IN DETAILS
FS-304	WALK-IN DETAILS
FS-305	WALK-IN DETAILS
FS-306	WALK-IN DETAILS
FS-307	WALK-IN DETAILS
Plumbing	
P0000	SYMBOL LIST AND GENERAL NOTES - PLUMBING
P1101	UNDERGROUND PLAN - PLUMBING
Electrical	
E0000	SYMBOL LIST AND GENERAL NOTES - ELECTRICAL
E1101	FLOOR PLAN - ELECTRICAL

DEFERRED SUBMITTALS:

SUSPENDED ACOUSTIC CEILINGS

Beaverton School District

16550 SW Merlo Rd. Beaverton OR 97003

ISSUES		
No.	DESCRIPTION	DATE
A	BID DOCUMENTS	11/20/2020

Rock Creek Elementary School  
Freezer Replacement  
4125 NW 185th Ave  
Portland, OR 97229

ANNOTATION SYMBOLS:

Room Tags

Room Name

A101

Wall Tags

W?

Ceiling Tags

C?

Roof Tags

R?

Finish Tags

?

Door Tag

101

Window Tag

101

Keynote Tag

?

Equipment Tag

XX

Stair Tags

XX

20R @ 1" - 0"

Section Marker

1

A101

Ref

1

A101

Ref

1

A101

Ref

1

A101

Ref

Elevation Marker

1

A000

1

A000

North Arrow

True North

Project North

Elevation Datum Marker

Level

-00' 00"

Titelmark

1

A101

View Name

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

Revision Tags

X

Grid

XX

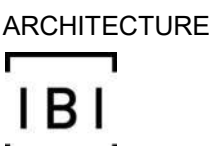
VICINITY MAP:



&	ANGLE	DN	DOWN	GALV	GALVANIZED	NIC	NOT IN CONTRACT	SJ	SEISMIC JOINT
AB	ANCHOR BOLT	DP	DAMPPOOFING	GB	GRAB BAR	NOM	NOMINAL	SM	SHEET METAL
ACT	ACOUSTICAL CEILING TILE	DR	DOOR	GC	GENERAL CONTRACTOR	NS	NELSON STUD	SQ	SQUARE
ADD	ADDENDUM	DS	DOWNSPOUT	GL	GLASS	NTS	NOT TO SCALE	SS	STAINLESS STEEL
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL	DTL	DETAIL	GND	GROUND	OA	OVERALL	STD	STANDARD
AFF	ABOVE FINISH FLOOR	DWG	DRAWING	GVP	GYPSUM VENEER PLASTER	OC	ON CENTER	STL	STEEL
ALS	AREA LIGHT STANDARD	E	EXISTING	GWB	GYPSUM WALL BOARD	OD	OUTSIDE DIAMETER	STOR	STORAGE
ALLUM	ALUMINUM	EA	EACH	HB	HOSE BIBB	OD	OVERFLOW DRAIN	STRUCT	STRUCTURAL
ANOD	ANODIZED	EF	EXHAUST FAN	HC	HANDICAP	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	SUSP	SUSPENDED
BD	BOARD	EJ	EXPANSION JOINT	HM	HOLLOW METAL	OFOI	OWNER FURNISHED OWNER INSTALLED	T	TEMPERED GLAZING
BLDG	BUILDING	EL	ELEVATION	HPC	HIGH PERFORMANCE COATING	OH	OVERHEAD	T&G	TONGUE AND GROOVE
BLKG	BLOCKING	ELEC	ELECTRICAL	HVAC	HEATING, VENTILATION, AND AIR CONDITIONING	OPNG	OPENING	T/M	TO MATCH
BM	BENCH MARK	ENGR	ENGINEER	HW	HOT WATER	OPP	OPPOSITE	TC	TOP OF CURB
BOT	BOTTOM	EOS	EDGE OF SLAB	INSUL	INSULATION	OS	OUTSIDE	TEL	TELEPHONE
BTWN	BETWEEN	EQ	EQUAL	INT	INTERIOR	PL	PROPERTY LINE	THK	THICK
C	CHANNEL	EQUIP	EQUIPMENT	JAN	JANITOR	PLAS	PLASTER	TJ	TOOL JOINT
CB	CATCH BASIN	ES	EACH SIDE	JST	JOIST	PLYWD	PLYWOOD	TO	TOP OF
CCTV	CLOSED CIRCUIT TELEVISION	EW	EACH WAY	JT	JOINT	PSF	PER SQUARE FOOT	TOD	TOP OF DECK
CG	CORNER GUARD	EXP	EXPANSION	L	LENGTH	PT	PRESSURE TREATED	TOS	TOP OF STRUCTURE
CIP	CAST IN PLACE CONCRETE	EXT	EXTERIOR	LAV	LAVATORY	PVMT	PAVEMENT	TP	TOILET PAPER
CJ	CONTROL JOINT	FA	FIRE ALARM	LB	LAG BOLT	R	RADIUS	TS	TUBE STEEL
CL	CENTERLINE	FD	FLOOR DRAIN	LKR	LOCKER	RCP	REFLECTED CEILING PLAN	TYP	TYPICAL
CLG	CEILING	FDN	FOUNDATION	LS	LANDSCAPING	RD	ROOF DRAIN	UNFIN	UNFINISHED
CLR	CLEAR	FE	FIRE EXTINGUISHER	LVR	LOUVER	REF	REFERENCE	UNO	UNLESS NOTED OTHERWISE
CMU	CONCRETE MASONRY UNIT	FEC	FIRE EXTINGUISHER CABINET	MATL	MATERIAL	REFR	REFRIGERATOR	VB	VAPOR BARRIER
CONT	CONTINUOUS	FECB	FIRE EXTINGUISHER CABINET WITH BLANKET	MAX	MAXIMUM	REQD	REQUIRED	VERT	VERTICAL
CORR	CORRIDOR	FF	FINISH FLOOR	MB	MARKERBOARD	REV	REVISE OR REVISION	VEST	VESTIBULE
CR	CLASSROOM	FIN	FINISH	MECH	MECHANICAL	RM	ROOM	VFY	VERIFY
CSJ	CONSTRUCTION JOINT	FL	FLOOR	MED	MEDIUM	RO	ROUGH OPENING	W/	WITH
CSMT	CASEMENT	FO	FACE OF	MEZZ	MEZZANINE	SAHTS	SELF-ADHERED HIGH TEMPERATURE SHEET	W/O	WITHOUT
CT	CERAMIC TILE	FOC	FACE OF CONCRETE	MFR	MANUFACTURER	SAM	SELF-ADHERED MEMBRANE	WC	WATER CLOSET
CTR	CENTER	FOF	FACE OF FINISH	MIN	MINIMUM	SC	SOLID CORE	WD	WOOD
DBL	DOUBLE	FOM	FACE OF MASONRY	MIR	MIRROR	SECT	SECTION	WFM	WIDE FLANGE
DF	DRINKING FOUNTAIN	FOS	FACE OF STUD	MISC	MISCELLANEOUS	SF	SQUARE FOOT	WH	WATER HEATER
DIAG	DIAGONAL	FRT	FIRE RETARDANT TREATED	MTD	MOUNTED	SHT	SHEET	WP	WATERPROOFING
DIM	DIMENSION	FTG	FOOTING	MTL	METAL	SHTG	SHEATHING	WRB	WATER-RESISTIVE BARRIER
DISP	DISPENSER	FURR	FURRING	N	NEW	SHWR	SHOWER	WT	WEIGHT
		GA	GAUGE	NA	NOT APPLICABLE	SIM	SIMILAR		



WEST LINN-WILSONVILLE  
22210 SW Stafford Road  
Tualatin, OR 97062  
NAME: Remo Douglas  
EMAIL: DouglasR@wlvw.k12.or.us  
PHONE: (503) 673-7988



IBI GROUP  
907 SW Harvey Milk Street  
Portland, Oregon 97205  
NAME: Jim Fitzpatrick  
EMAIL: jim.fitzpatrick@ibigroup.com  
PHONE: (503) 226-6950

ELECTRICAL

INTERFACE ENGINEERING, INC.  
100 SW MAIN STREET, SUITE  
Portland, Oregon 97204  
NAME: Mark O'Leary PE  
EMAIL:  
PHONE: (503) 382 - 2635

Plumbing

INTERFACE ENGINEERING, INC.  
100 SW MAIN STREET, SUITE  
Portland, Oregon 97204  
NAME: Mark O'Leary PE  
EMAIL:  
PHONE: (503) 382 - 2635

FOOD SERVICE



WEBB FOODSERVICE DESIGN  
3700 SE Lafayette Ct  
Portland, Oregon 97202  
NAME:  
EMAIL:  
PHONE: (503) 236 - 8566

BID DOCUMENTS

PRIME CONSULTANT



IBI GROUP  
907 SW Harvey Milk Street  
Portland, OR 97205, USA  
Tel 503 226 6950 fax 503 273 9192  
ibigroup-usa.com

PROJECT NO:  
126730

SHEET NUMBER

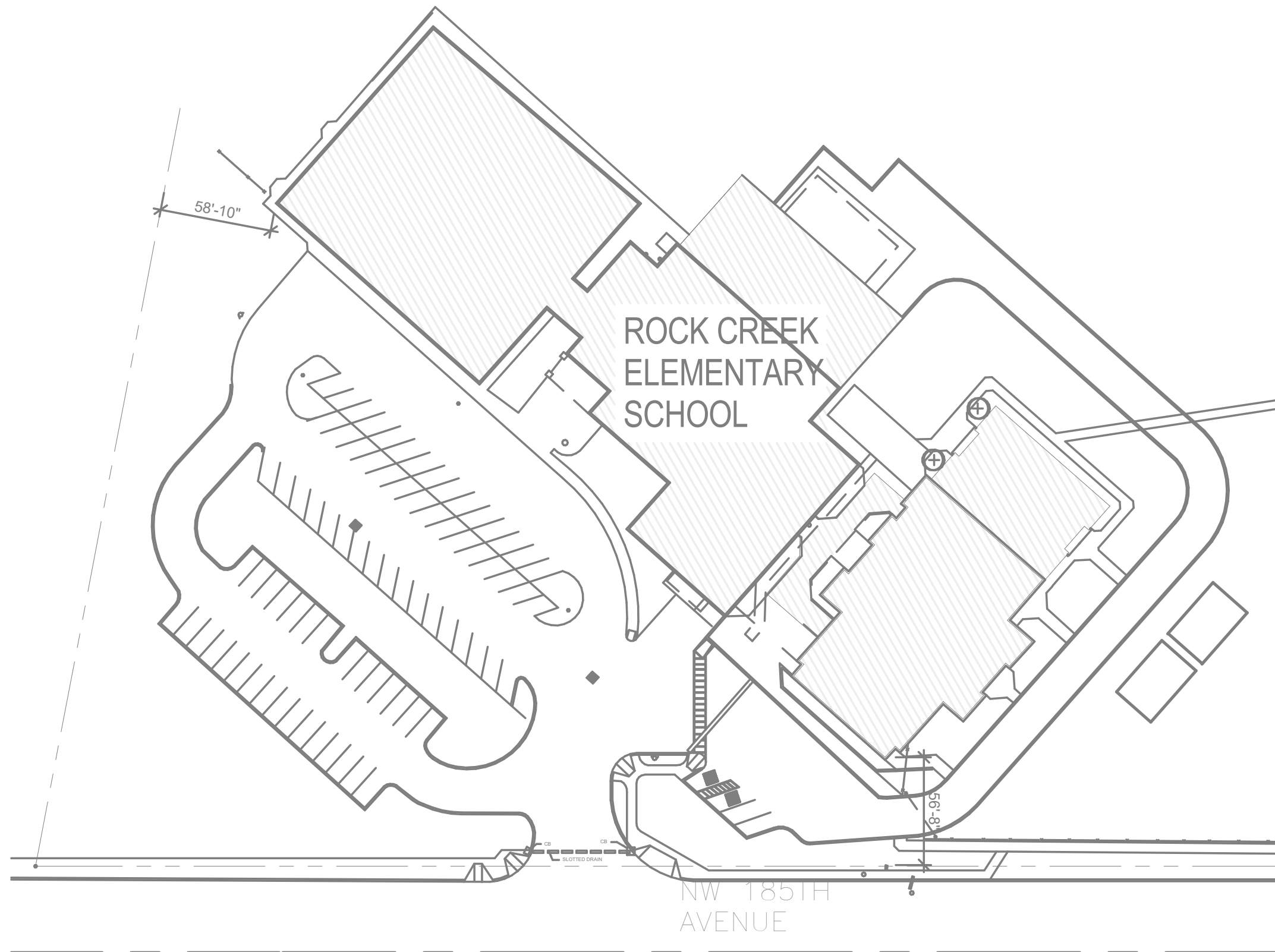
G0000

ISSUE

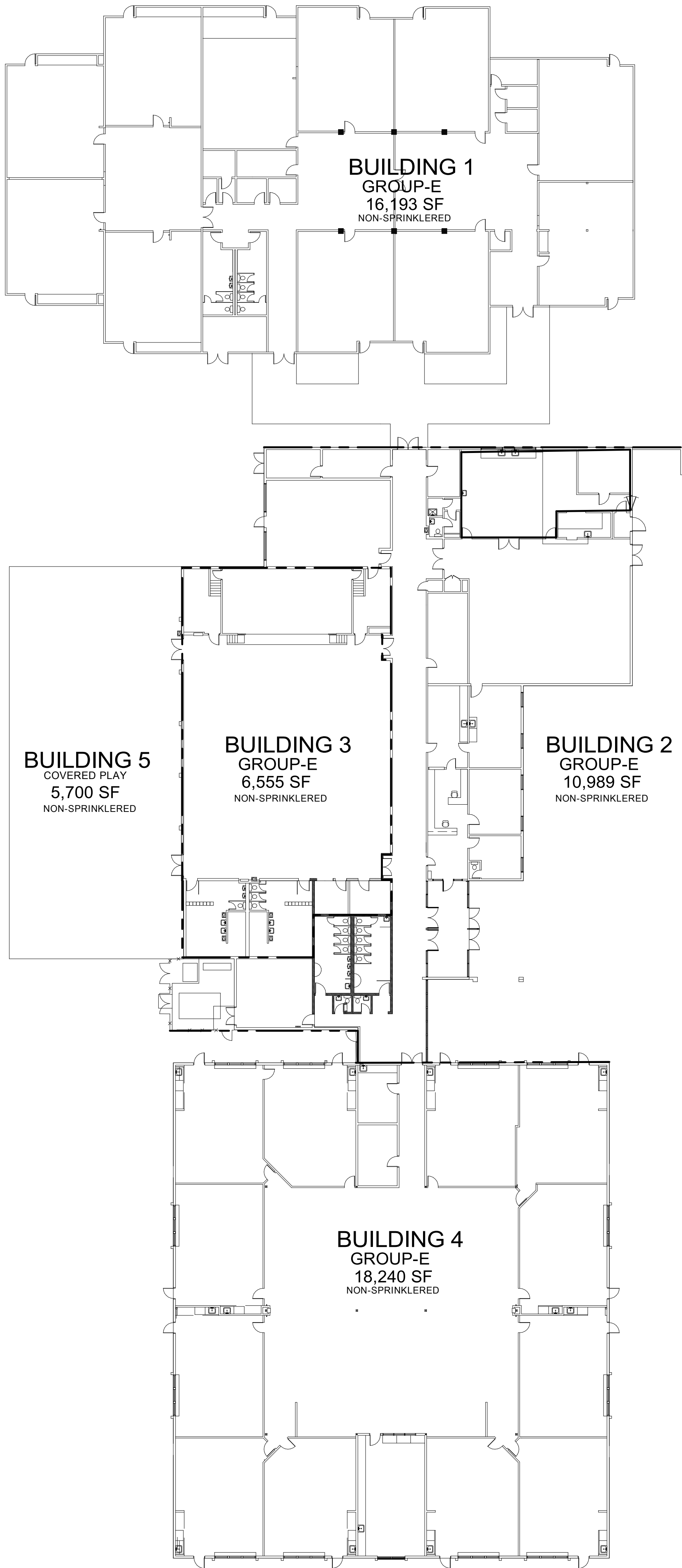
A



2 SITE PLAN  
Scale: 1" = 60'-0"



1 CODE PLAN  
Scale: 3/64" = 1'-0"



CODE REVIEW NOTES:

1. THIS CODE REVIEW IS BASED ON THE 2019 O.S.S.C.
2. THE SCOPE OF WORK FOR THIS PROJECT INCLUDES THE REMOVAL AND REPLACEMENT OF AN EXISTING FREEZER/COOLER UNIT IN THE KITCHEN. THERE IS ALSO AN ALTERNATE FOR REPLACING THE CEILING TILE AND GRID IN THE KITCHEN.
3. THE ESTIMATED VALUE OF WORK FOR THIS PROJECT IS \$151,531

LEGEND:

---	TWO HOUR FIRE WALL ASSEMBLY - 90 MINUTE RATED OPENINGS - ASSUMED PROPERTY LINE AT BUILDING EXTERIOR
	AREA OF SCOPE OF WORK

ALLOWABLE AREA ANALYSIS:

**BUILDING 1 - CLASSROOMS**  
**SUMMARY:**  
BUILDING 1" IS SINGLE STORY COMBUSTIBLE CONSTRUCTION WITH PARTIAL OPEN FRONTAGE. IT DOES NOT HAVE AN AUTOMATIC SPRINKLER SYSTEM  
**USE & OCCUPANCY:**  
EDUCATIONAL GROUP E  
CONSISTING OF CLASSROOMS AND A LIBRARY  
**CONSTRUCTION TYPE:**  
TYPE V-B PER TABLE 601  
**ALLOWABLE HEIGHT:**  
40' (PER TABLE 504.3)  
**ALLOWABLE NUMBER OF STORIES:**  
1 STORY (PER TABLE 504.4)  
**ACTUAL NUMBER OF STORIES:**  
1 STORY  
**ALLOWABLE AREA:**  
9,500 SF PER TABLE 506.2  
**AREA MODIFICATION:** (PER SECTION 506)  
$$A \neq A + \left[ \begin{matrix} NS & x & 1 \\ i \end{matrix} \right] = 9,500 + \left[ \begin{matrix} 9,500 & x & 0.75 \\ \end{matrix} \right] = 16,625$$
$$I = \left[ \begin{matrix} F & - & 0.25 \\ P \end{matrix} \right] W = \left[ \begin{matrix} 586' & - & 0.25 \\ 30 \end{matrix} \right] \frac{30}{30} = 0.75$$
$$A = 9,500 + 7,125 = 16,625 \text{ SF}$$
**TOTAL ALLOWABLE AREA PER FLOOR:** 16,625 SF  
**TOTAL ACTUAL AREA:** 16,193 SF < 16,625 SF = OK  
(ACTUAL IS LESS THAN ALLOWABLE. THEREFORE, BUILDING 1" AREA IS OK)  
**BUILDING 2 - CLASSROOMS, CAFETERIA, & OFFICES**  
**SUMMARY:**  
BUILDING 2" IS SINGLE STORY COMBUSTIBLE CONSTRUCTION WITH PARTIAL OPEN FRONTAGE. IT DOES NOT HAVE AN AUTOMATIC SPRINKLER SYSTEM  
**USE & OCCUPANCY:**  
EDUCATIONAL GROUP E  
CONSISTING OF CLASSROOMS, A CAFETERIA, AND OFFICES  
**CONSTRUCTION TYPE:**  
TYPE V-B PER TABLE 601  
**ALLOWABLE HEIGHT:**  
40' (PER TABLE 504.3)  
**ALLOWABLE NUMBER OF STORIES:**  
1 STORY (PER TABLE 504.4)  
**ACTUAL NUMBER OF STORIES:**  
1 STORY  
**ALLOWABLE AREA:**  
9,500 SF PER TABLE 506.2  
**AREA MODIFICATION:** (PER SECTION 506)  
$$A \neq A + \left[ \begin{matrix} NS & x & 1 \\ i \end{matrix} \right] = 9,500 + \left[ \begin{matrix} 9,500 & x & 0.13 \\ \end{matrix} \right] = 14,345$$
$$I = \left[ \begin{matrix} F & - & 0.25 \\ P \end{matrix} \right] W = \left[ \begin{matrix} 267' & - & 0.25 \\ 30 \end{matrix} \right] \frac{30}{695'} = 0.13$$
$$A = 9,500 + 1,235 = 10,735 \text{ SF}$$
**TOTAL ALLOWABLE AREA PER FLOOR:** 10,735 SF  
**TOTAL ACTUAL AREA:** 10,989 SF > 10,735 SF  
(ACTUAL IS MORE THAN ALLOWABLE. HOWEVER, THE EXISTING BUILDING SQUARE FOOTAGE IS NOT BEING INCREASED AS PART OF THIS PROJECT.)  
**BUILDING 3 - GYMNASIUM**  
**SUMMARY:**  
BUILDING 3" IS SINGLE STORY COMBUSTIBLE CONSTRUCTION WITH PARTIAL OPEN FRONTAGE. IT DOES NOT HAVE AN AUTOMATIC SPRINKLER SYSTEM  
**USE & OCCUPANCY:**  
EDUCATIONAL GROUP E  
CONSISTING OF GYMNASIUM AND RELATED SUPPORT SPACES  
**CONSTRUCTION TYPE:**  
TYPE V-B PER TABLE 601  
**ALLOWABLE HEIGHT:**  
40' (PER TABLE 504.3)  
**ALLOWABLE NUMBER OF STORIES:**  
1 STORY (PER TABLE 504.4)  
**ACTUAL NUMBER OF STORIES:**  
1 STORY  
**ALLOWABLE AREA:**  
9,500 SF PER TABLE 506.2  
**TOTAL ACTUAL AREA:** 6,555 SF < 9,500 SF = OK  
(ACTUAL IS LESS THAN ALLOWABLE. THEREFORE, BUILDING 3" AREA IS OK)  
**BUILDING 4 - CLASSROOMS AND MEDIA CENTER**  
**SUMMARY:**  
BUILDING 4" IS SINGLE STORY COMBUSTIBLE CONSTRUCTION WITH PARTIAL OPEN FRONTAGE. IT DOES NOT HAVE AN AUTOMATIC SPRINKLER SYSTEM  
**USE & OCCUPANCY:**  
EDUCATIONAL GROUP E  
CONSISTING OF CLASSROOMS, A CAFETERIA, AND OFFICES  
**CONSTRUCTION TYPE:**  
TYPE V-B PER TABLE 601  
**ALLOWABLE HEIGHT:**  
40' (PER TABLE 504.3)  
**ALLOWABLE NUMBER OF STORIES:**  
1 STORY (PER TABLE 504.4)  
**ACTUAL NUMBER OF STORIES:**  
1 STORY  
**ALLOWABLE AREA:**  
9,500 SF PER TABLE 506.2  
**AREA MODIFICATION:** (PER SECTION 506)  
$$A \neq A + \left[ \begin{matrix} NS & x & 1 \\ i \end{matrix} \right] = 9,500 + \left[ \begin{matrix} 9,500 & x & 0.61 \\ \end{matrix} \right] = 14,345$$
$$I = \left[ \begin{matrix} F & - & 0.25 \\ P \end{matrix} \right] W = \left[ \begin{matrix} 467' & - & 0.25 \\ 30 \end{matrix} \right] \frac{30}{541'} = 0.61$$
$$A = 9,500 + 5,795 = 15,295 \text{ SF}$$
**TOTAL ALLOWABLE AREA PER FLOOR:** 15,295 SF  
**TOTAL ACTUAL AREA:** 18,240 SF > 15,295 SF  
(ACTUAL IS MORE THAN ALLOWABLE. HOWEVER, THE EXISTING BUILDING SQUARE FOOTAGE IS NOT BEING INCREASED AS PART OF THIS PROJECT.)  
**BUILDING 5 - COVERED PLAY**  
**SUMMARY:**  
BUILDING 5" IS SINGLE STORY COMBUSTIBLE CONSTRUCTION WITH PARTIAL OPEN FRONTAGE. IT DOES NOT HAVE AN AUTOMATIC SPRINKLER SYSTEM  
**USE & OCCUPANCY:**  
EDUCATIONAL GROUP E  
CONSISTING OF GYMNASIUM AND RELATED SUPPORT SPACES  
**CONSTRUCTION TYPE:**  
TYPE V-B PER TABLE 601  
**ALLOWABLE HEIGHT:**  
40' (PER TABLE 504.3)  
**ALLOWABLE NUMBER OF STORIES:**  
1 STORY (PER TABLE 504.4)  
**ACTUAL NUMBER OF STORIES:**  
1 STORY  
**ALLOWABLE AREA:**  
9,500 SF PER TABLE 506.2  
**TOTAL ACTUAL AREA:** 5,700 SF < 9,500 SF = OK  
(ACTUAL IS LESS THAN ALLOWABLE. THEREFORE, BUILDING 5" AREA IS OK)

CLIENT  
Beaverton School District

16550 SW Merlo Rd. Beaverton OR 97003

**COPYRIGHT**  
This drawing has been prepared solely for the intended use. No other reproduction or distribution for any purpose other than authorized by IBI Group is intended. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and IBI Group shall be relieved of any liability from the dimensions and conditions shown on the drawing. Shop drawings shall be submitted to IBI Group for general confirmation before proceeding with fabrication.

**IBI Group Architects (USA) Inc**  
is a member of the IBI Group of companies

ISSUES		
No.	DESCRIPTION	DATE
A	BID DOCUMENTS	11/20/2020

CONSULTANTS

SEAL

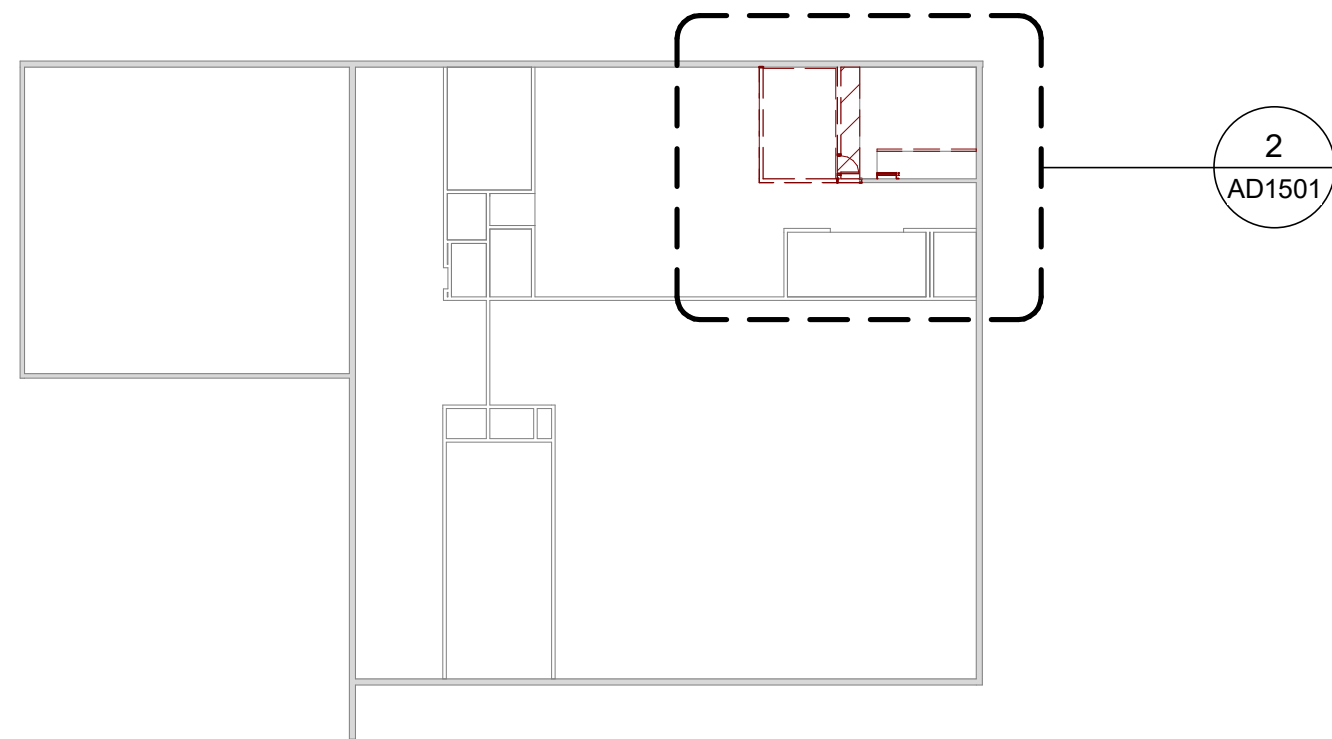


**PROJECT**  
Rock Creek Elementary School  
Freezer Replacement  
4125 NW 185th Ave  
Portland, OR 97229

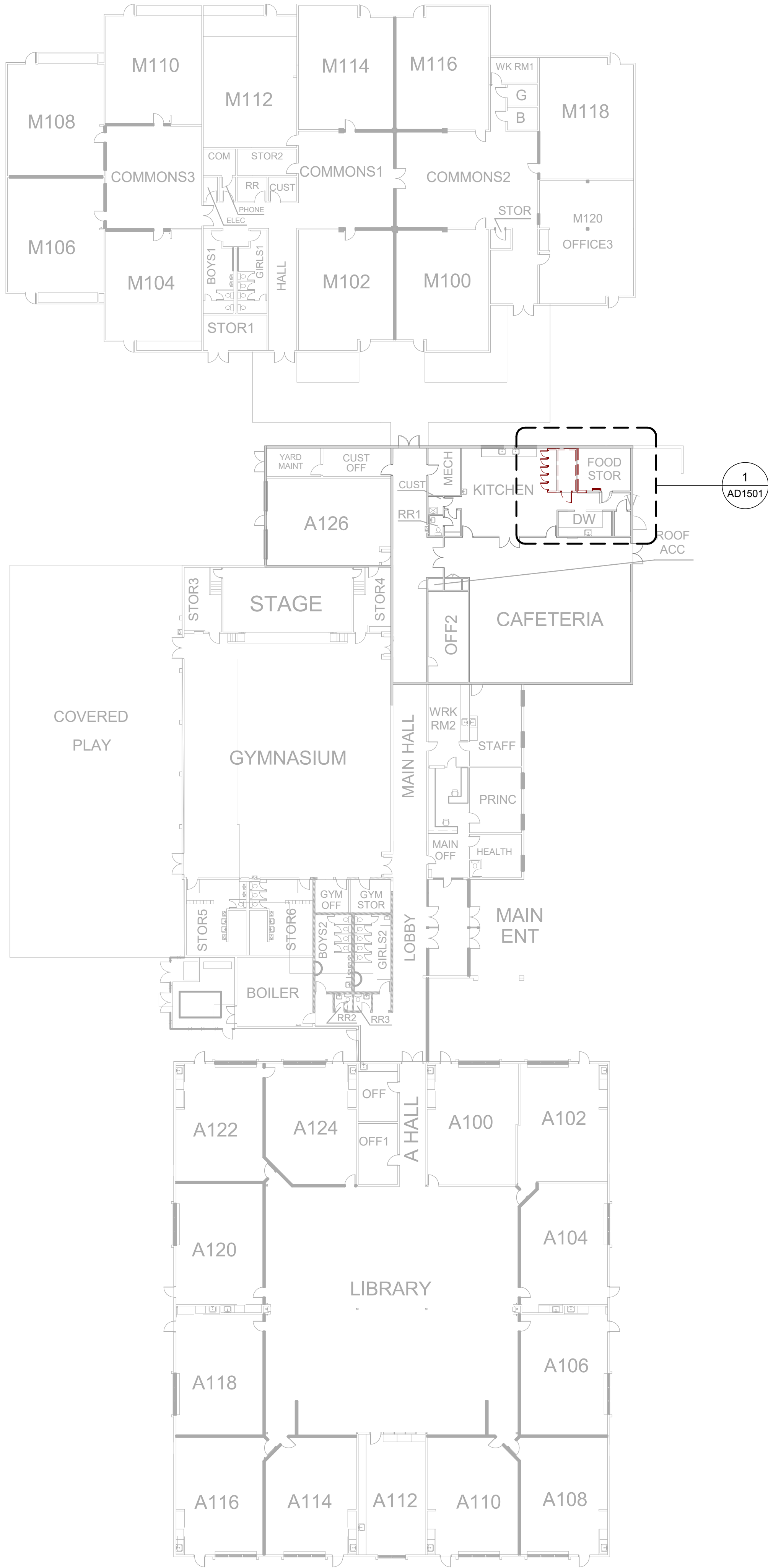
<b>PROJECT NO:</b> 126730	
<b>DRAWN BY:</b> Author	<b>CHECKED BY:</b> Checker
<b>PROJECT MGR:</b> Designer	<b>APPROVED BY:</b> Approver

**SHEET TITLE**  
SITE PLAN & CODE REVIEW

<b>SHEET NUMBER</b> G1101	<b>ISSUE</b> A
------------------------------	-------------------



2 LEVEL 02 MEZZANINE FLOOR PLAN  
Scale: 3/64" = 1'-0"



1 LEVEL 01 OVERALL FLOOR PLAN  
Scale: 3/64" = 1'-0"

CLIENT  
Beaverton School District

16550 SW Merlo Rd. Beaverton OR 97003

**COPYRIGHT**  
This drawing has been prepared solely for the intended use, and any reproduction or distribution for any purpose other than authorized by IBI Group is prohibited. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and IBI Group shall not be liable for any variations from the dimensions and conditions shown on the drawing. Shop drawings shall be submitted to IBI Group for general confirmation before proceeding with fabrication.

**IBI Group Architects (USA) Inc**  
is a member of the IBI Group of companies

ISSUES		
No.	DESCRIPTION	DATE
A	BID DOCUMENTS	11/20/2020

CONSULTANTS

SEAL



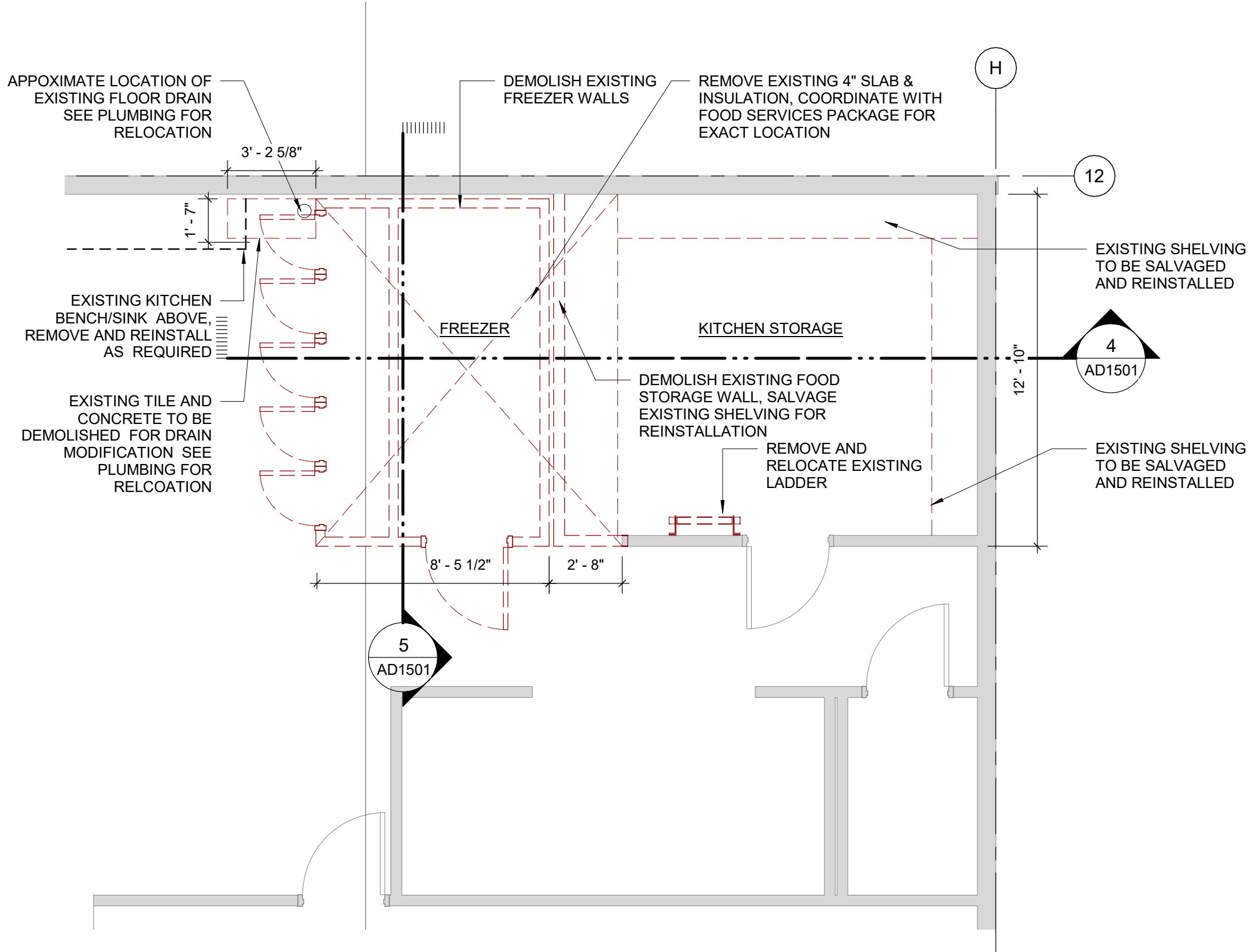
**PROJECT**  
Rock Creek Elementary School  
Freezer Replacement  
4125 NW 185th Ave  
Portland, OR 97229

PROJECT NO: 126730	
DRAWN BY: Author	CHECKED BY: Checker
PROJECT MGR: Designer	APPROVED BY: Approver

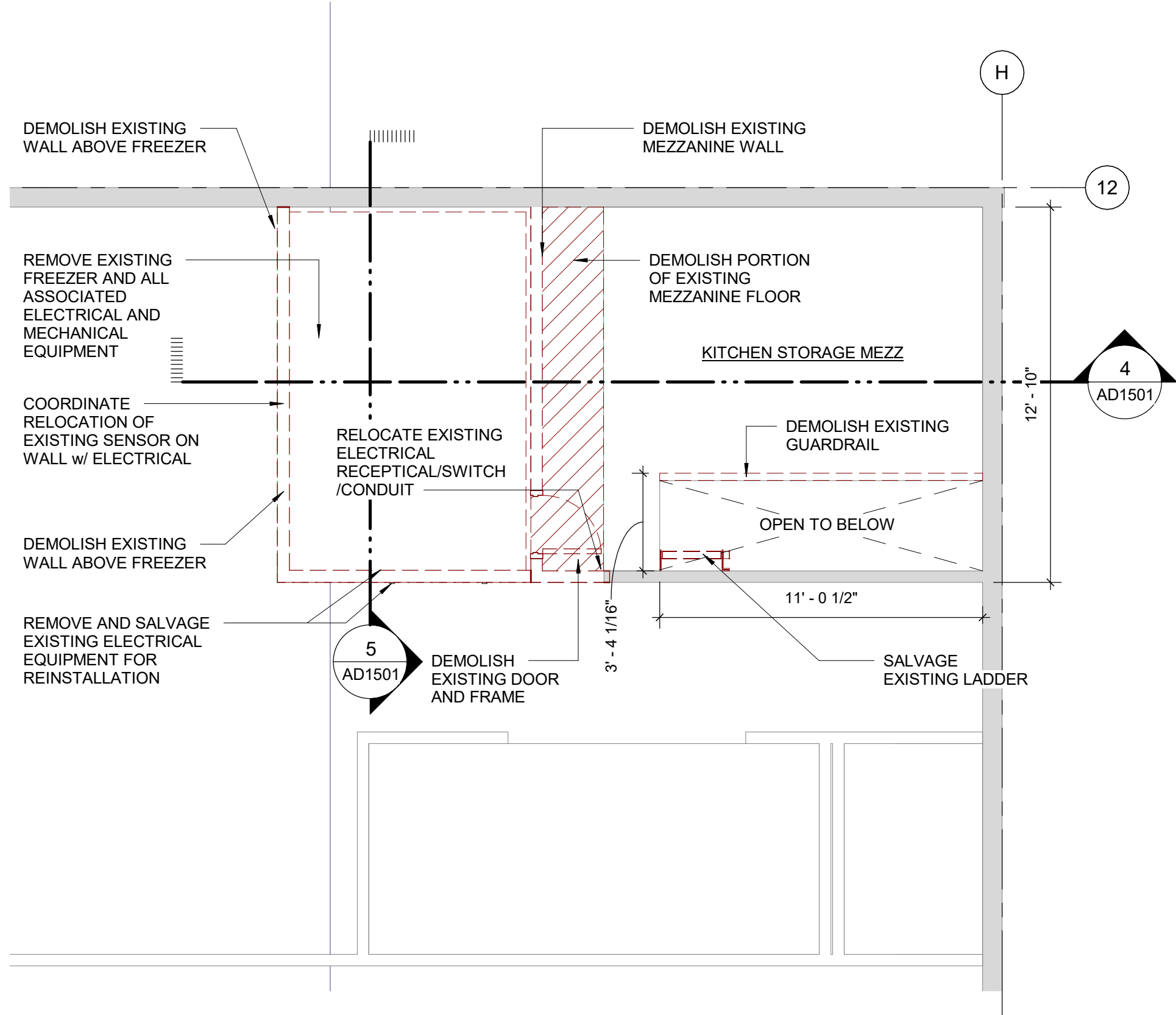
SHEET TITLE  
OVERALL FLOOR PLAN

SHEET NUMBER A1101	ISSUE A
-----------------------	------------

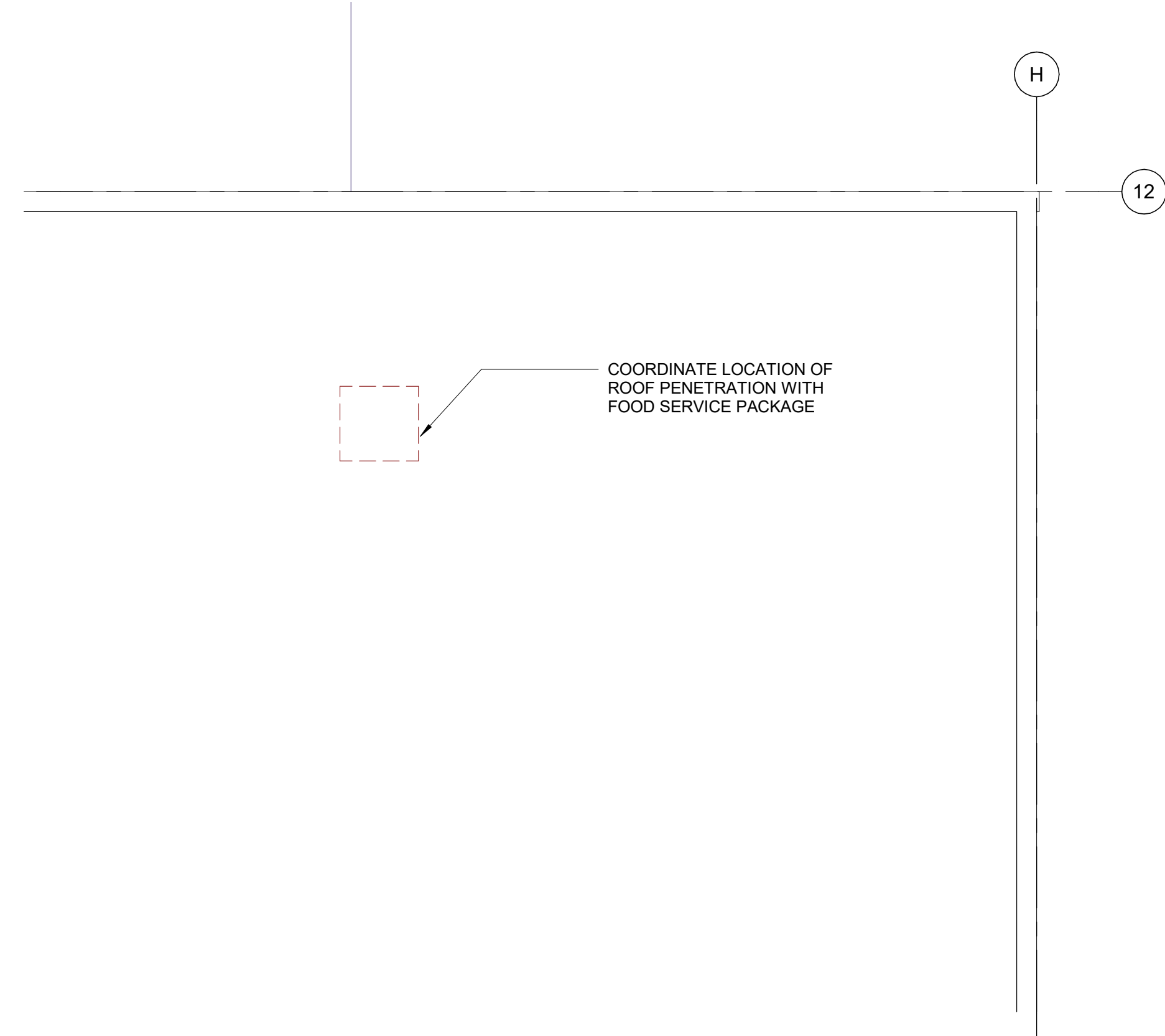




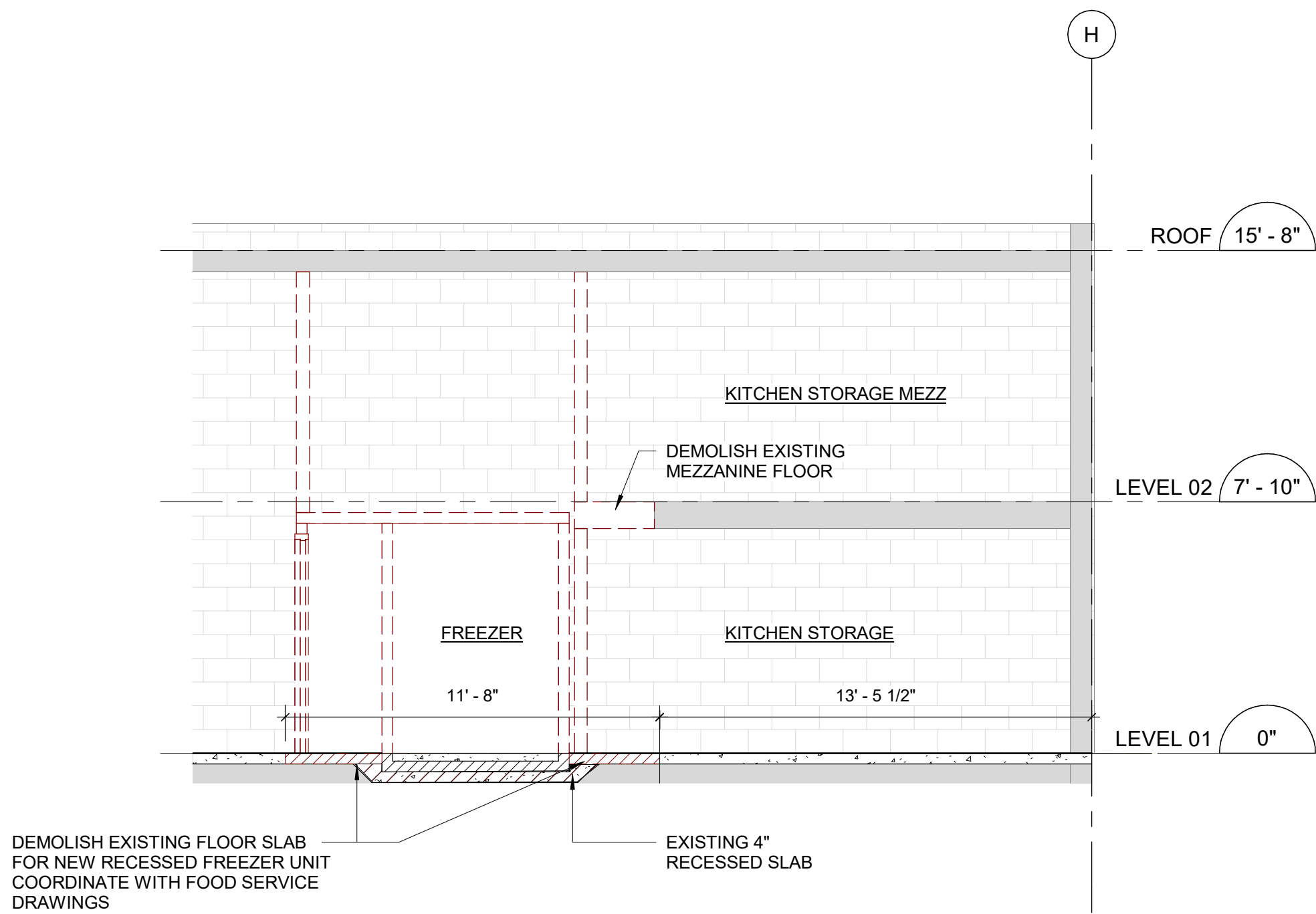
1 LEVEL 01 DEMOLITION PLAN  
Scale: 1/4" = 1'-0"



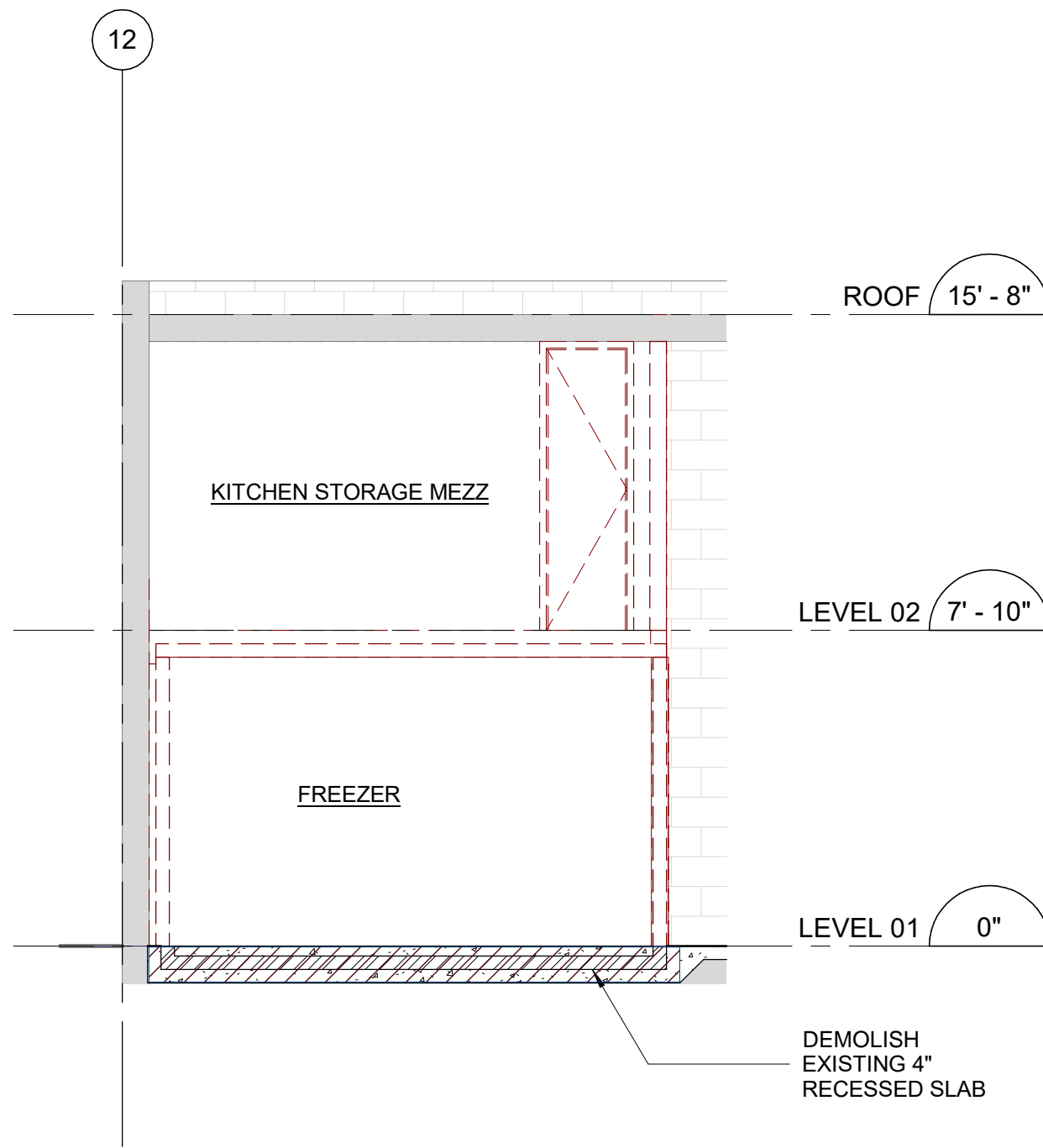
2 LEVEL 02 MEZZANINE DEMOLITION PLAN  
Scale: 1/4" = 1'-0"



3 EXISTING ROOF PLAN  
Scale: 1/4" = 1'-0"



4 SECTION E-W DEMOLITION  
Scale: 1/4" = 1'-0"



5 SECTION N-S DEMOLITION  
Scale: 1/4" = 1'-0"

CLIENT  
Beaverton School District

16550 SW Merlo Rd. Beaverton OR 97003

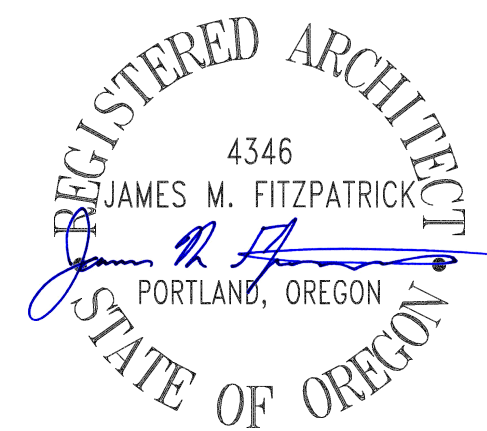
**COPYRIGHT**  
This drawing has been prepared solely for the intended use, and any reproduction or distribution for any purpose other than authorized by IBI Group is prohibited. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and IBI Group shall not be liable for any variations from the dimensions and conditions shown on the drawing. Shop drawings shall be submitted to IBI Group for general coordination before proceeding with fabrication.

IBI Group Architects (USA) Inc.  
is a member of the IBI Group of companies

ISSUES	No.	DESCRIPTION	DATE
A	BID DOCUMENTS		11/20/2020

CONSULTANTS

SEAL



**IBI GROUP**  
907 SW Harvey Milk Street  
Portland, OR 97205, USA  
tel 503 226 6950 fax 503 273 9192  
ibigroup-usa.com

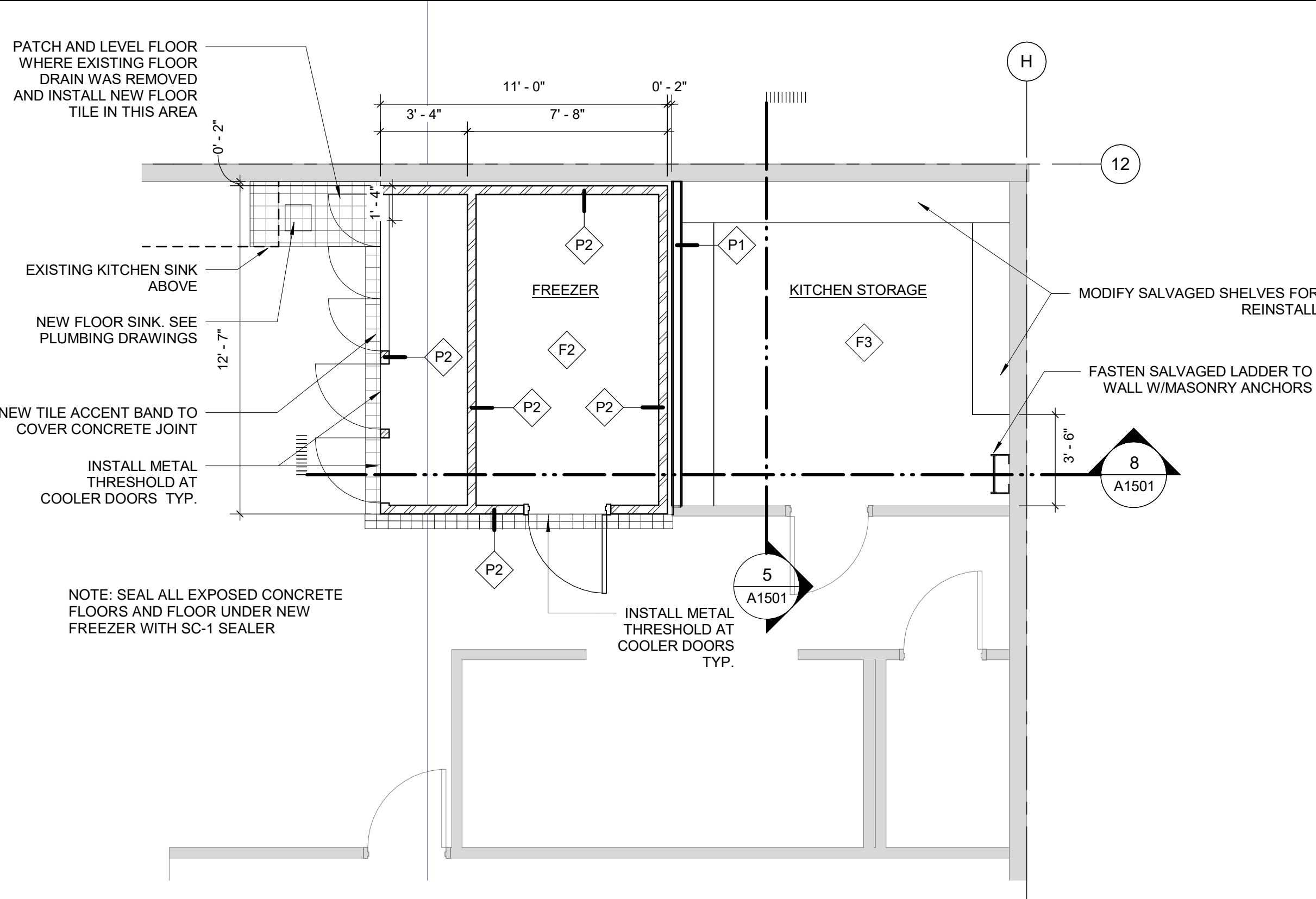
**PROJECT**  
Rock Creek Elementary School  
Freezer Replacement  
4125 NW 185th Ave  
Portland, OR 97229

PROJECT NO: 126730	CHECKED BY: Checker
DRAWN BY: Author	APPROVED BY: Approver
PROJECT MGR: Designer	

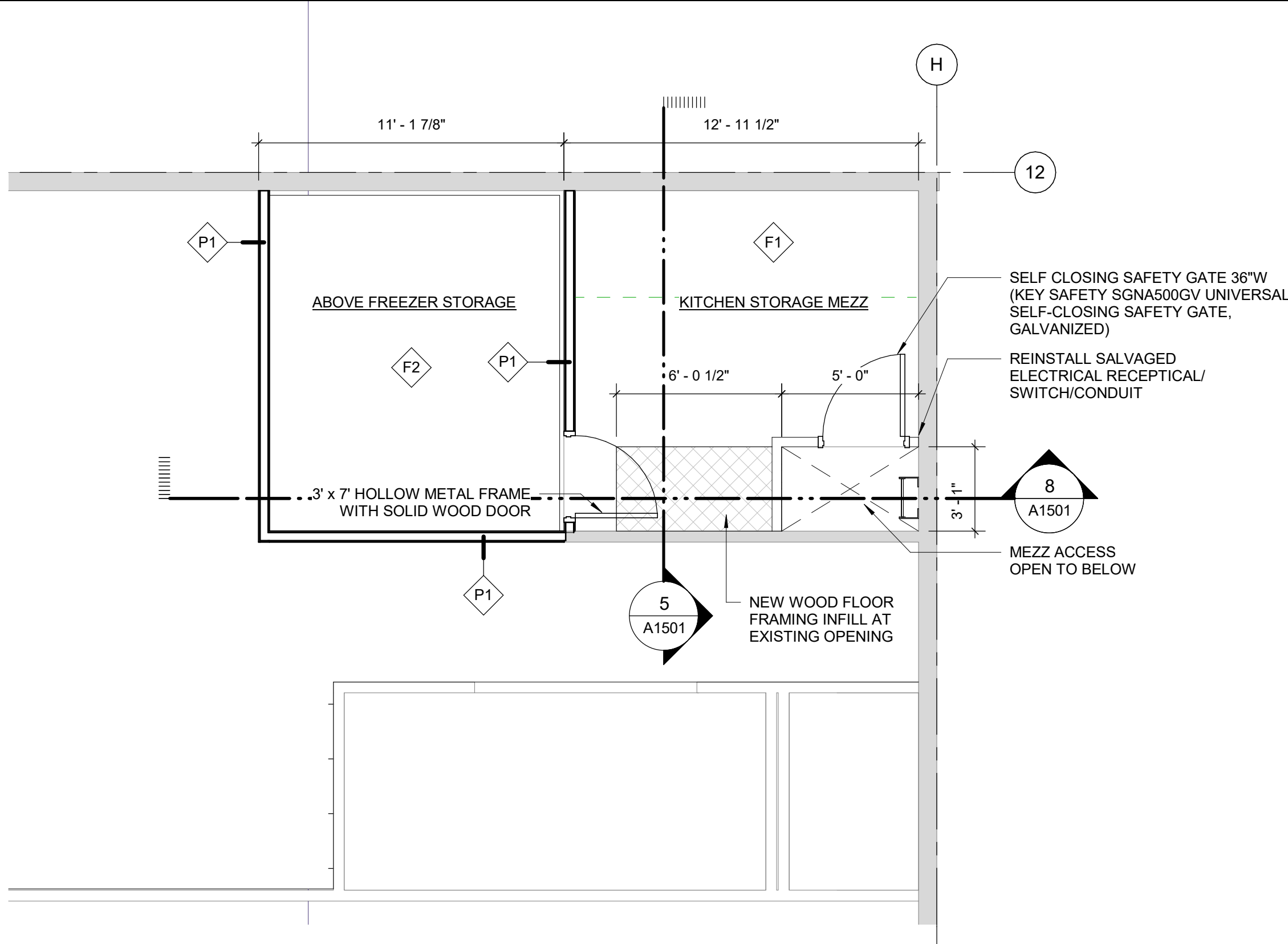
**SHEET TITLE**  
DEMOLITION FLOOR PLANS  
AND SECTIONS

**SHEET NUMBER**  
AD1501

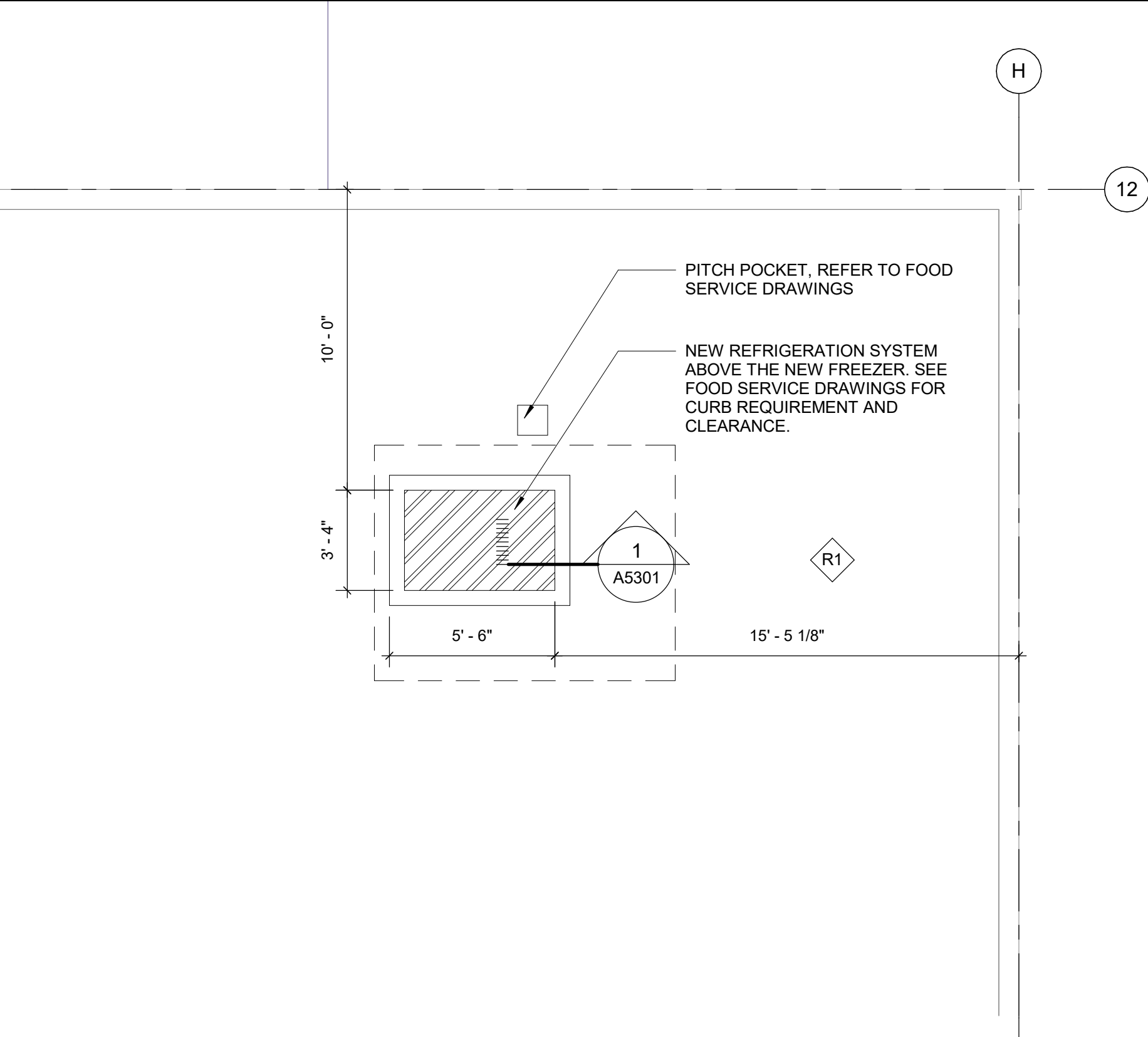
**ISSUE**  
A



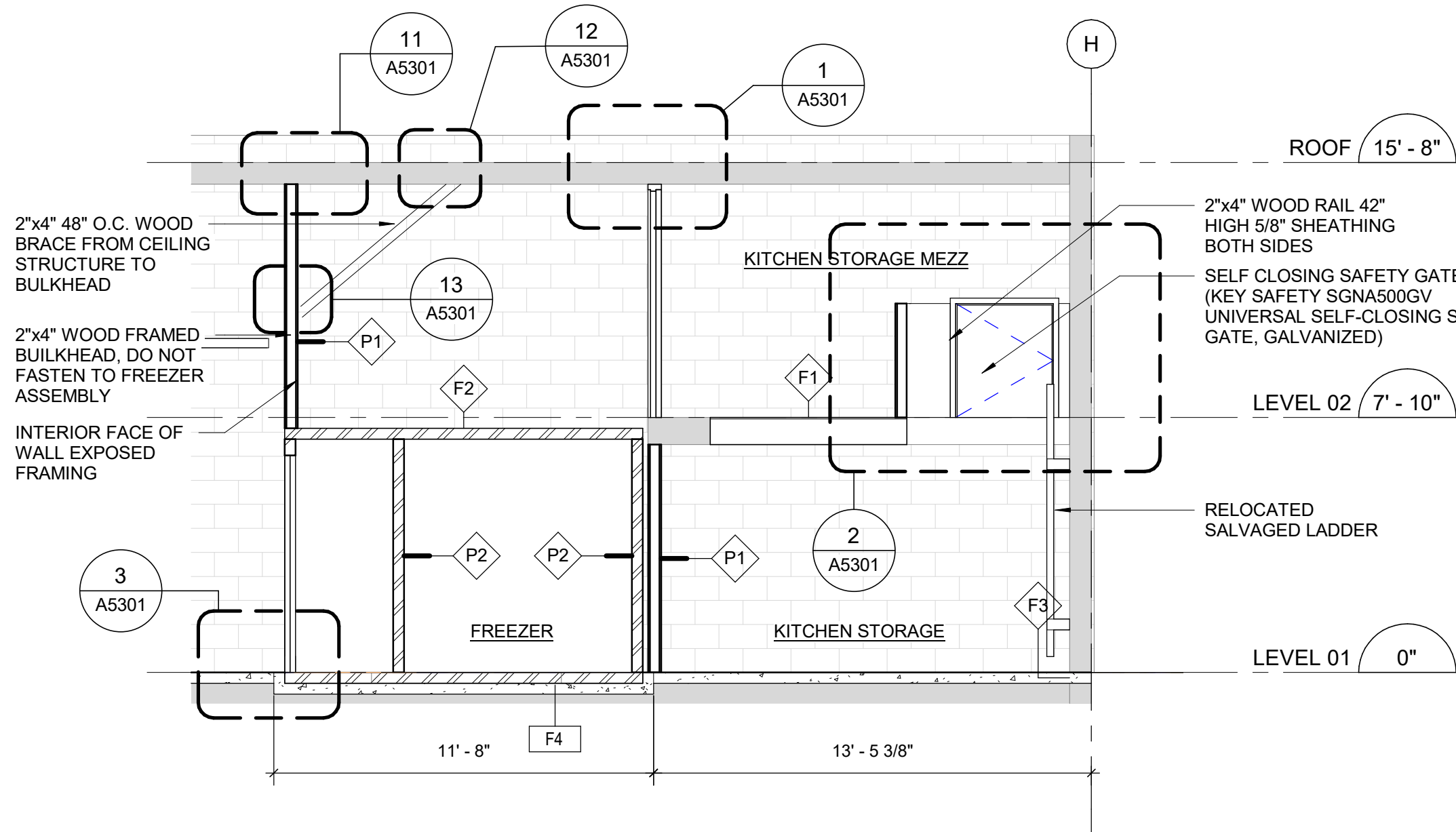
1 LEVEL 01 KITCHEN FLOOR PLAN  
Scale: 1/4" = 1'-0"



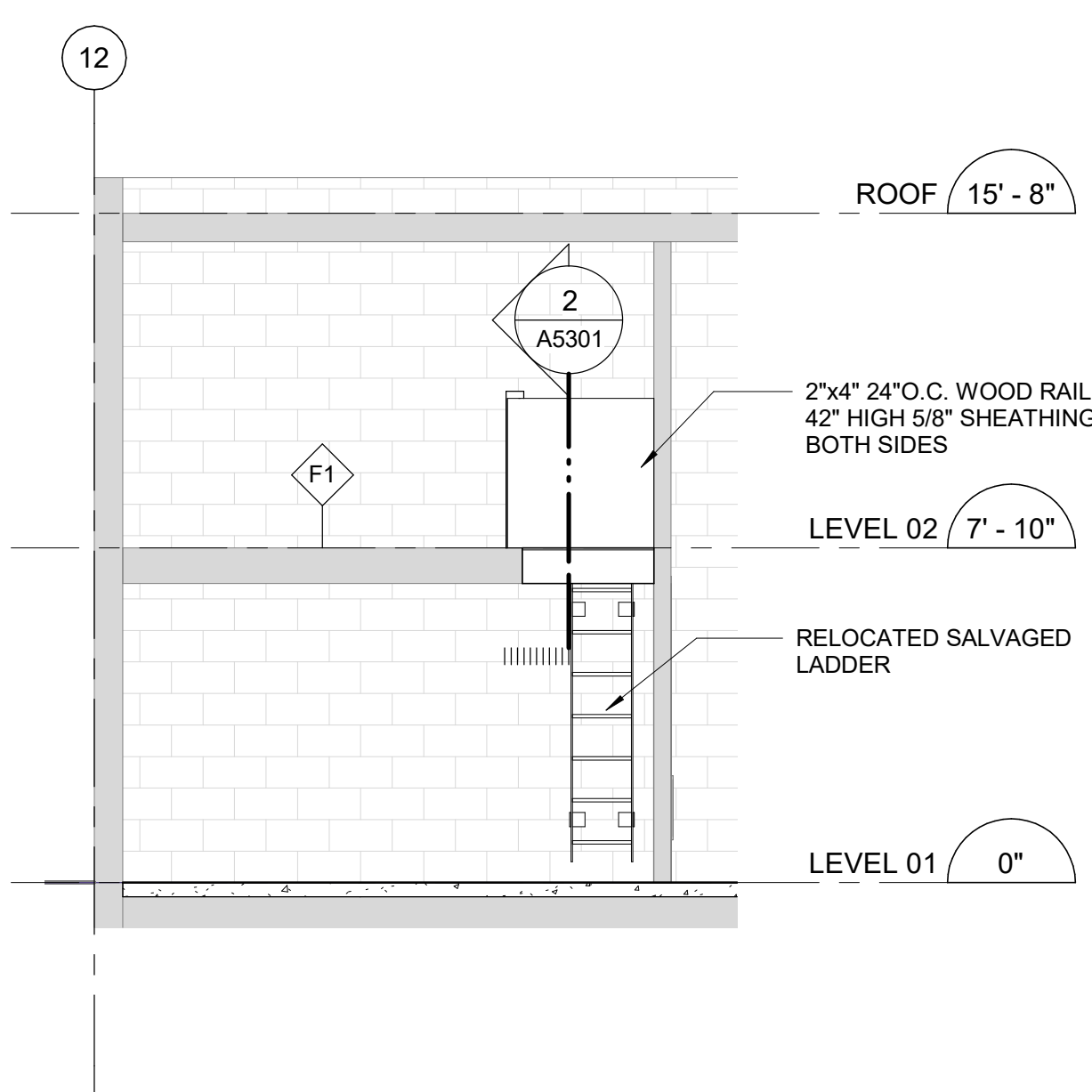
2 LEVEL 02 - MEZZ KITCHEN FLOOR PLAN  
Scale: 1/4" = 1'-0"



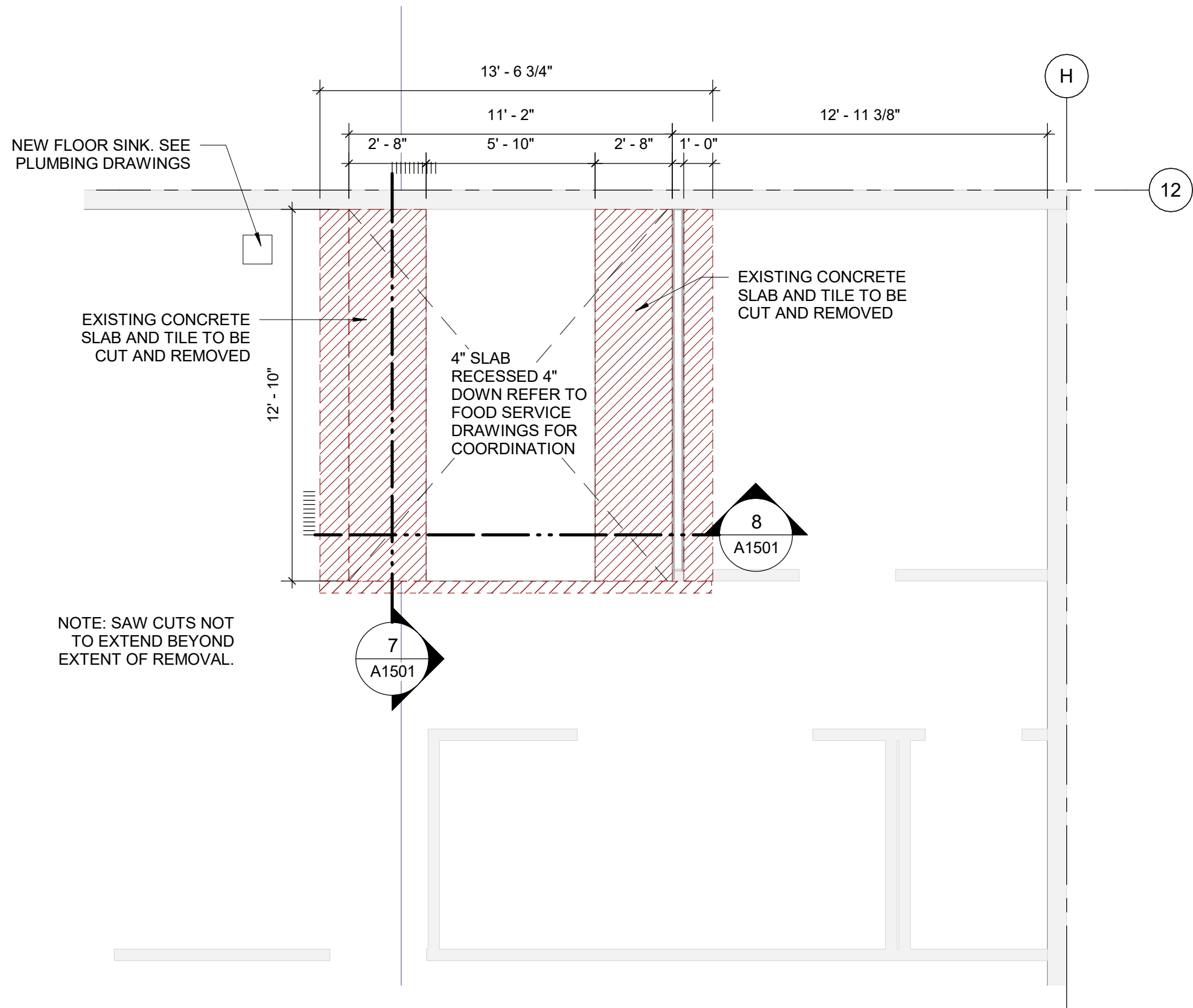
3 ROOF PLAN  
Scale: 1/4" = 1'-0"



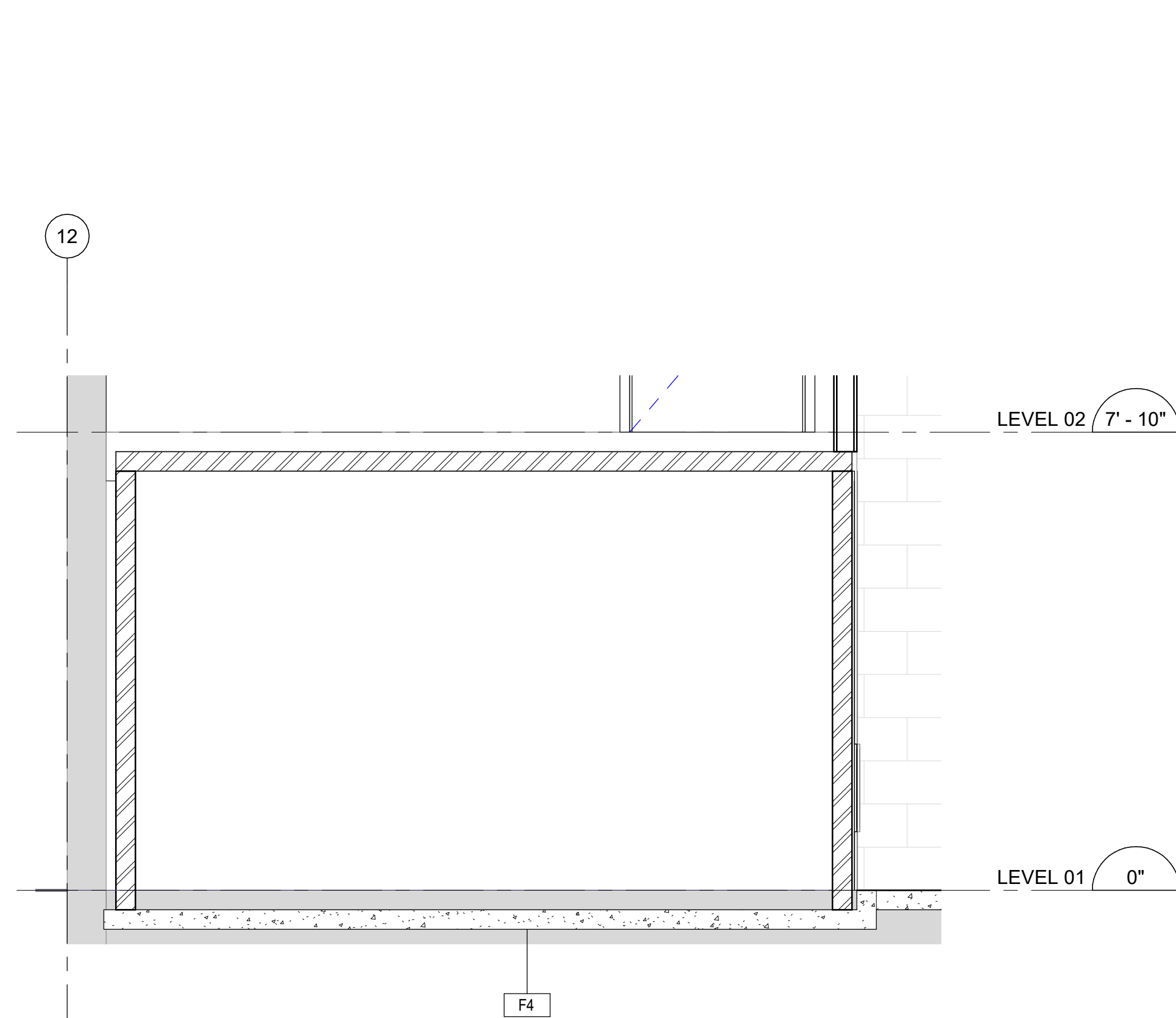
4 SECTION E-W  
Scale: 1/4" = 1'-0"



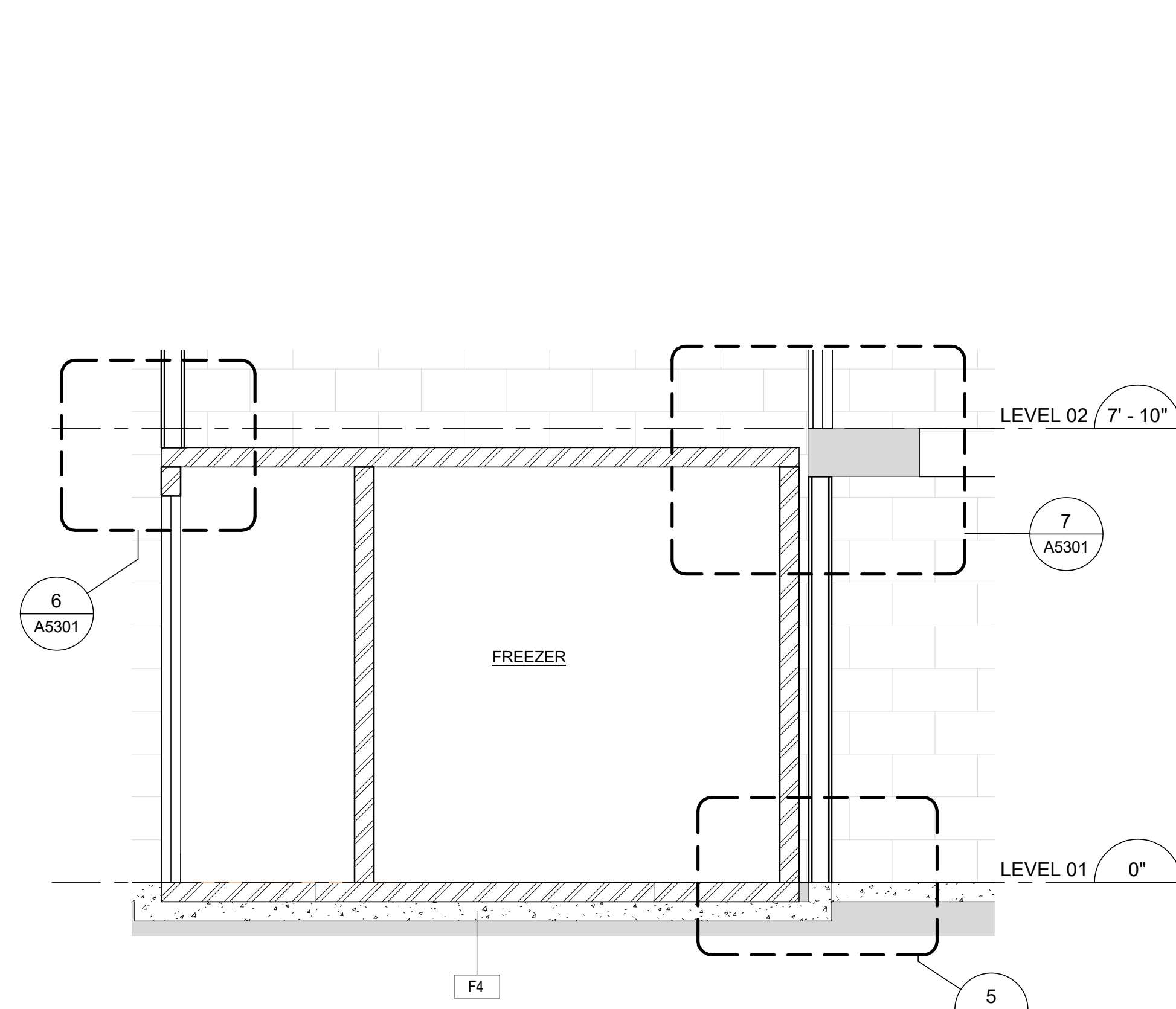
5 SECTION N-S NEW MEZZ FLOOR  
Scale: 1/4" = 1'-0"



6 LEVEL 01 KITCHEN SLAB PLAN  
Scale: 1/4" = 1'-0"



7 SECTION N-S NEW FREEZER  
Scale: 1/2" = 1'-0"



8 SECTION E-W NEW FREEZER  
Scale: 1/2" = 1'-0"

CLIENT  
Beaverton School District

16550 SW Merlo Rd. Beaverton OR 97003

COPYRIGHT  
This drawing has been prepared solely for the intended use, and any reproduction or distribution for any purpose other than authorized by IBI Group is prohibited. IBI Group shall not be responsible for any dimensions and conditions on the job, and IBI Group shall not be liable for any damages or claims arising from the use of this drawing. Shop drawings shall be submitted to IBI Group for general review and approval before proceeding with fabrication.

ISSUES		
No.	DESCRIPTION	DATE
A	BID DOCUMENTS	11/20/2020

CONSULTANTS

SEAL



IBI GROUP  
907 SW Harvey Milk Street  
Portland, OR 97205, USA  
tel 503 226 6950 fax 503 273 9192  
ibigroup@edgme.com

PROJECT  
Rock Creek Elementary School  
Freezer Replacement  
4125 NW 185th Ave  
Portland, OR 97229

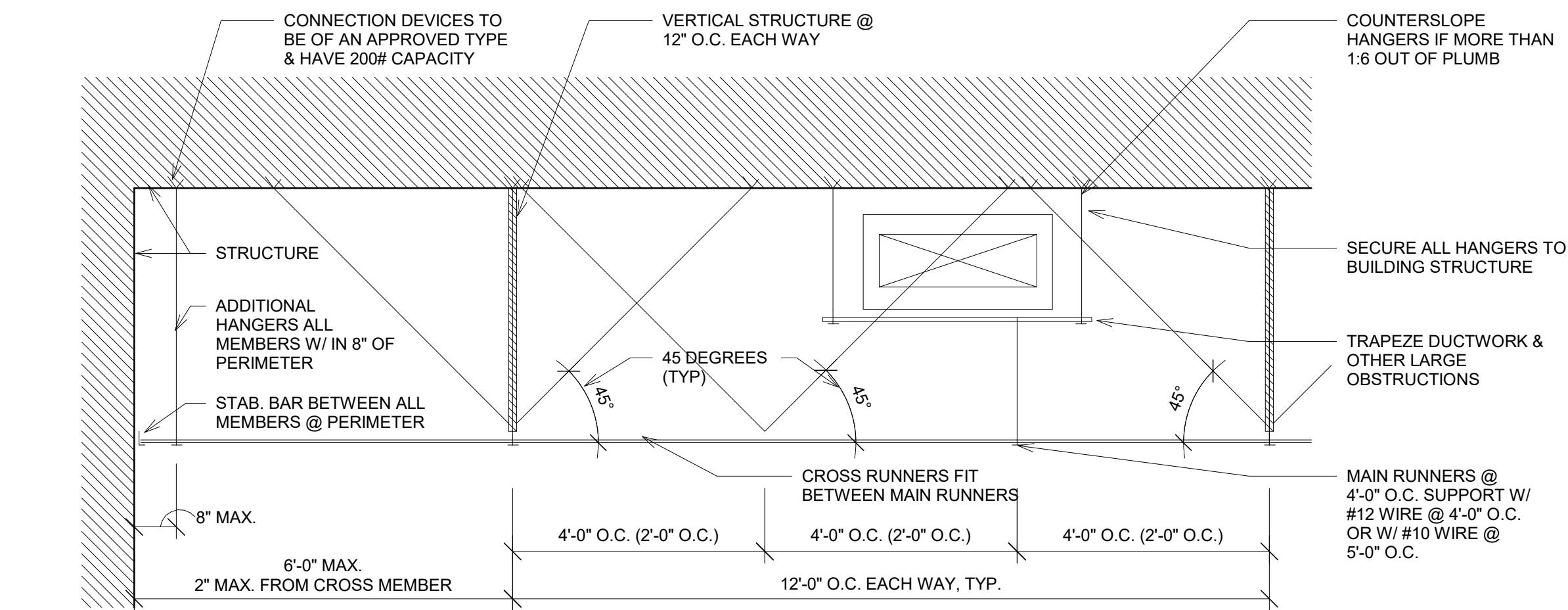
PROJECT NO:  
126730  
DRAWN BY:  
Author  
PROJECT MGR:  
Designer  
CHECKED BY:  
Checker  
APPROVED BY:  
Approver

SHEET TITLE  
FLOOR PLANS AND SECTIONS

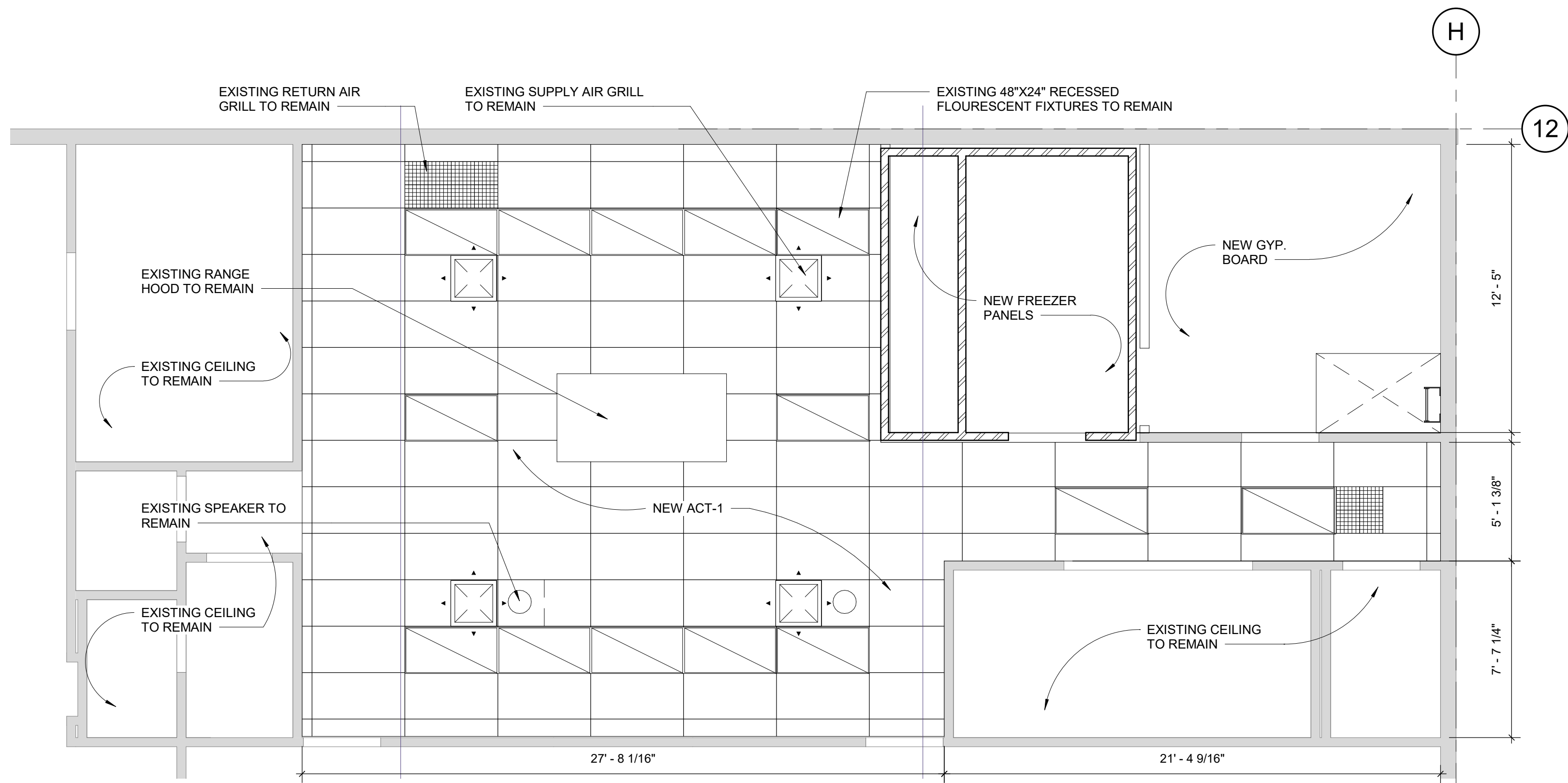
SHEET NUMBER  
A1501  
ISSUE  
A



2023-11-19 2:41:12 PM



2 ACT-1 CONNECTION DETAIL  
Scale: 1 1/2" = 1'-0"



ALTERNATE #1: REMOVE AND REPLACE EXISTING SUSPENDED CEILING TILE AND GRID AND REPLACE WITH NEW

1 KITCHEN AREA RCP  
Scale: 1/4" = 1'-0"

CLIENT  
Beaverton School District

16550 SW Merlo Rd. Beaverton OR 97003

**COPYRIGHT**  
This drawing has been prepared solely for the intended use, and any reproduction or distribution for any purpose other than authorized by IBI Group is prohibited. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and IBI Group shall be relieved of any liability from the dimensions and conditions shown on the drawing. Shop drawings shall be submitted to IBI Group for general confirmation before proceeding with fabrication.

**IBI Group Architects (USA) Inc**  
is a member of the IBI Group of companies

ISSUES		
No.	DESCRIPTION	DATE
A	BID DOCUMENTS	11/20/2020

CONSULTANTS

SEAL



**IBI GROUP**  
907 SW Harvey Milk Street  
Portland, OR 97205, USA  
tel 503 226 6950 fax 503 273 9192  
ibigroup-usa.com

**PROJECT**  
Rock Creek Elementary School  
Freezer Replacement  
4125 NW 185th Ave  
Portland, OR 97229

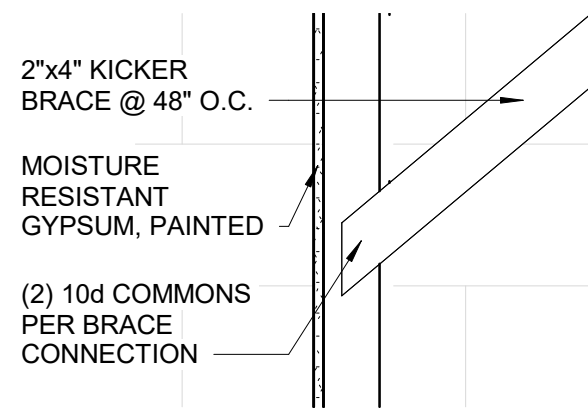
PROJECT NO: 126730	
DRAWN BY: Author	CHECKED BY: Checker
PROJECT MGR: Designer	APPROVED BY: Approver

**SHEET TITLE**  
REFLECTED CEILING PLAN

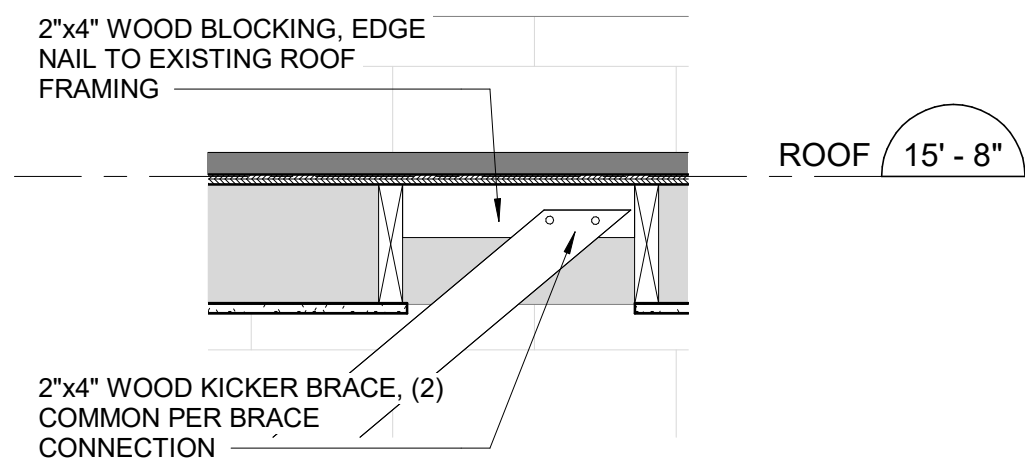
**SHEET NUMBER**  
A1601

**ISSUE**  
A

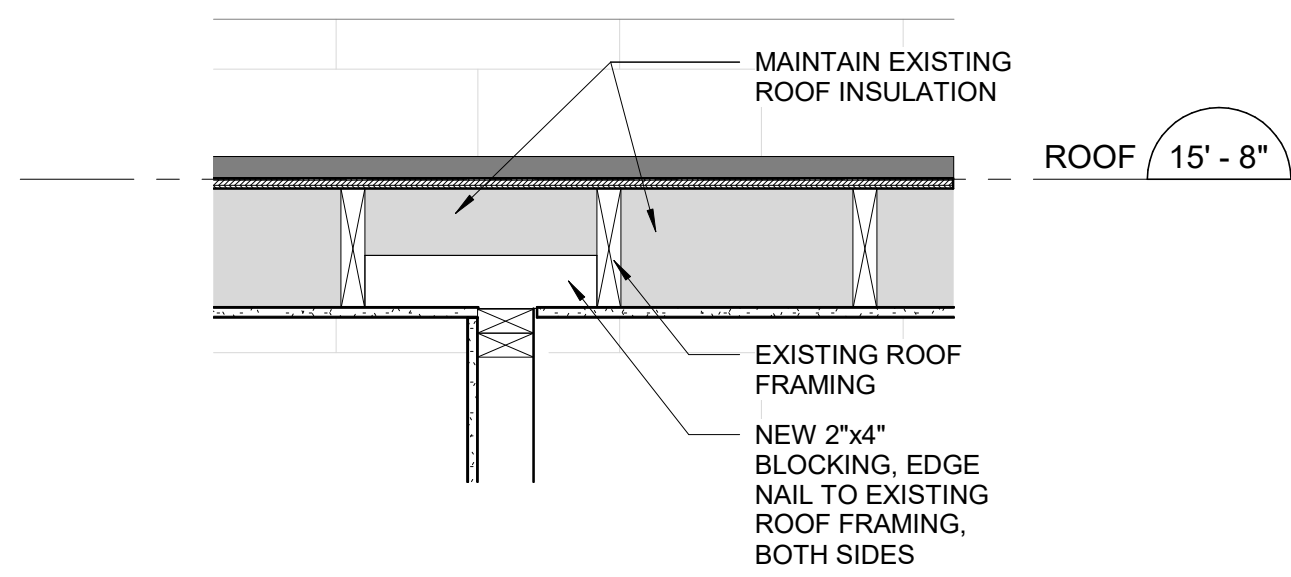
B:\M\2021\126730\Rock Creek\2020\126730\_RockCreekRCP\_1201.rvt  
1/20



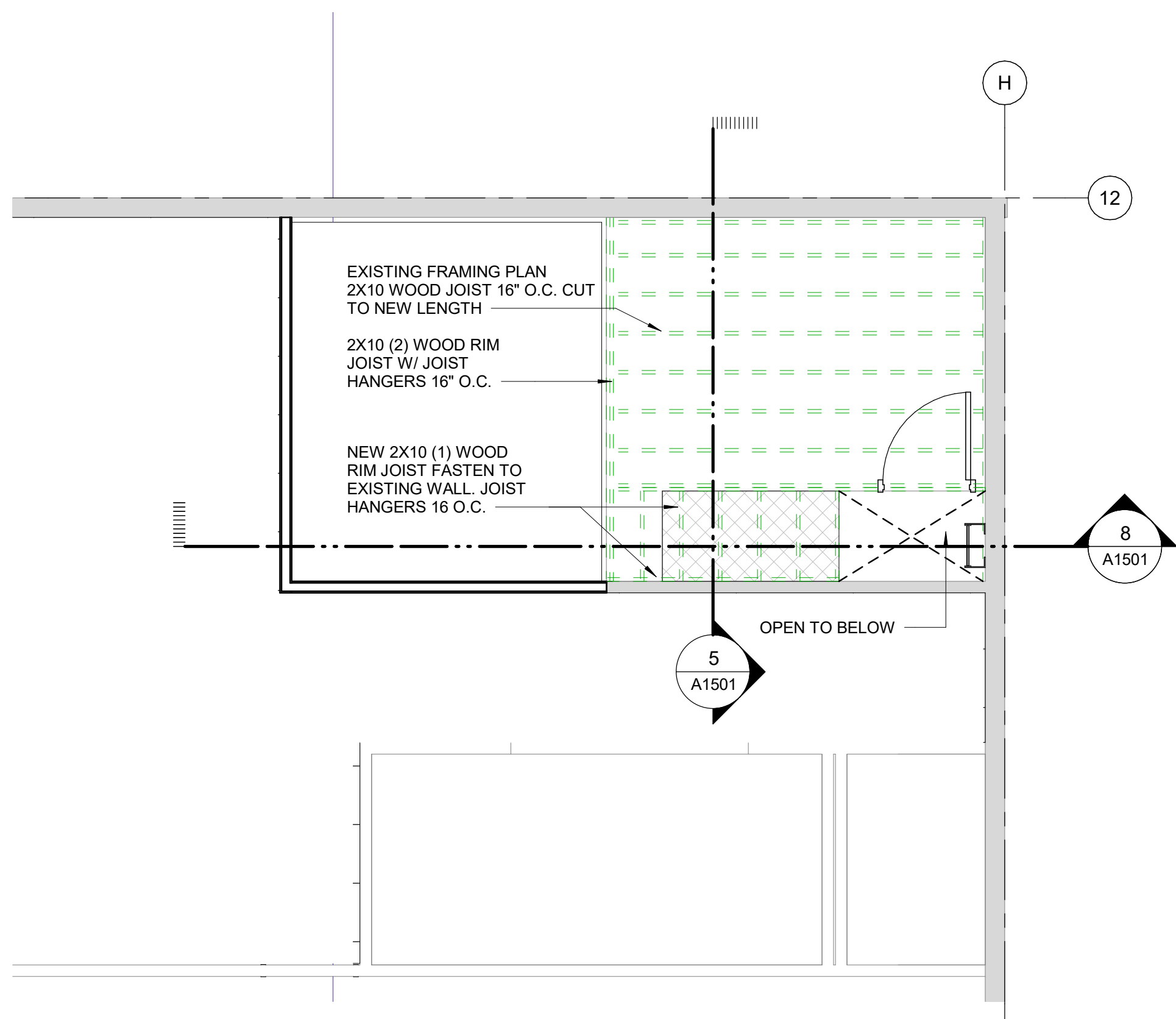
13 SECTION BULKHEAD-KICKER CONNECTION  
A5301 Scale: 1" = 1'-0"



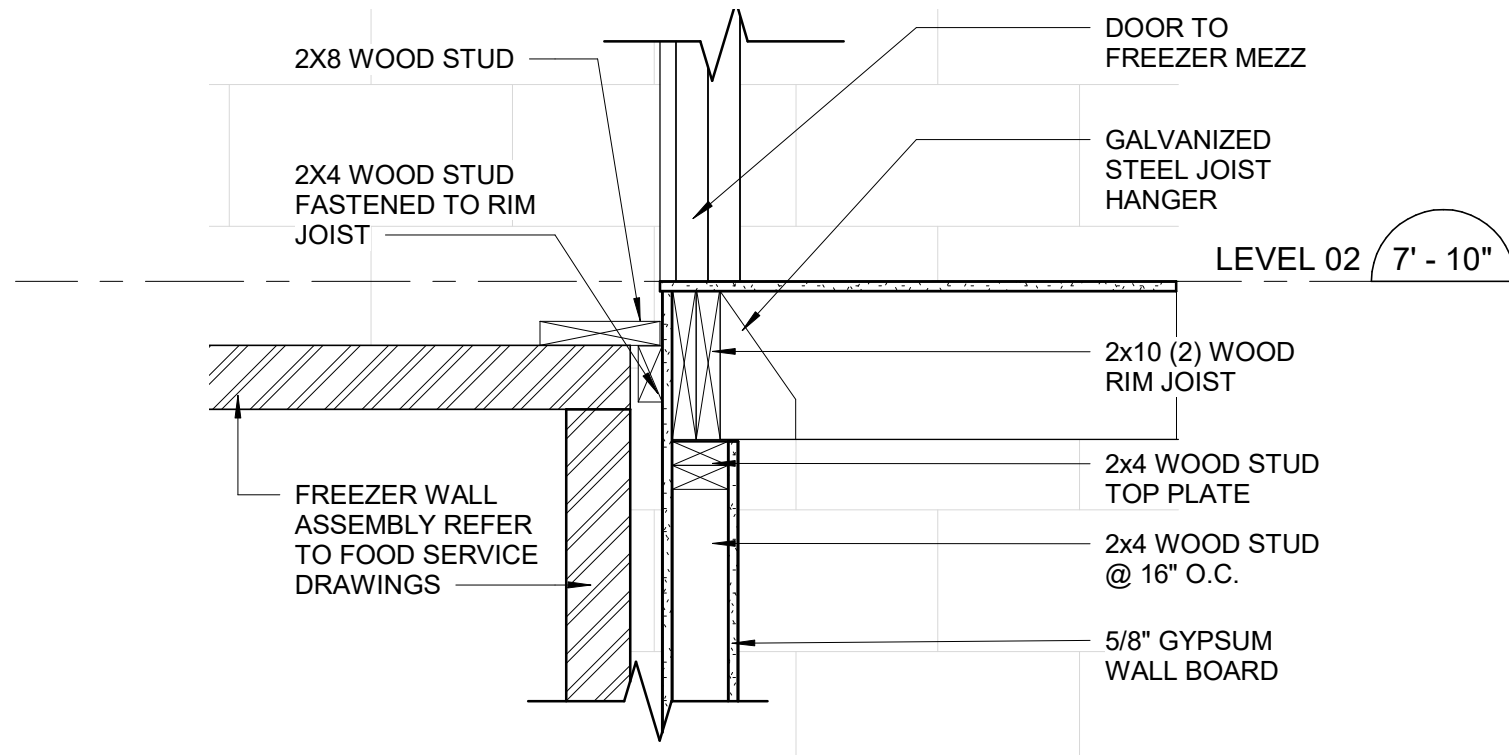
12 SECTION KICKER CONNECTION  
A5301 Scale: 1" = 1'-0"



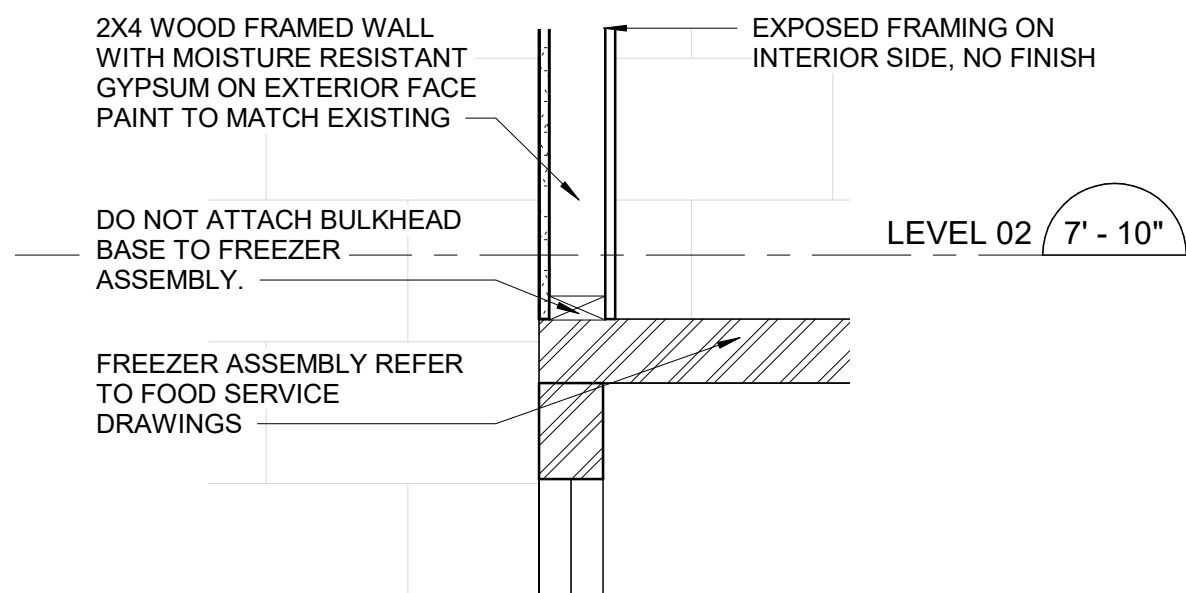
11 SECTION BULKHEAD TO ROOF  
A5301 Scale: 1" = 1'-0"



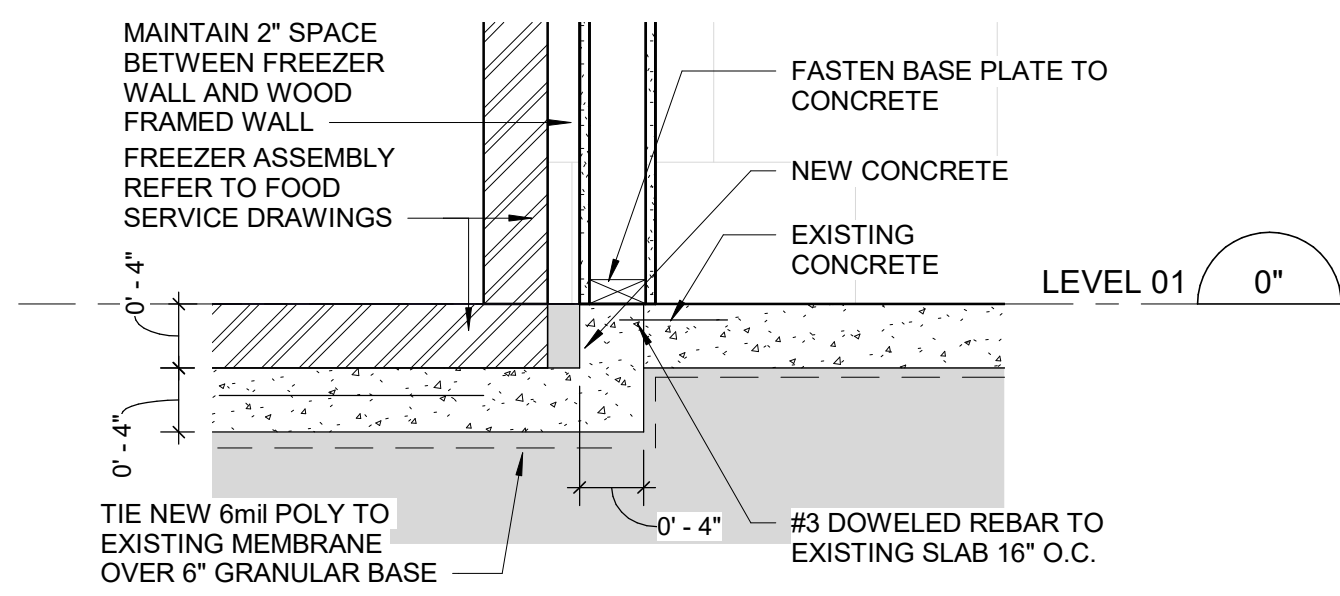
8 LEVEL 02 MEZZ FLOOR FRAMING PLAN  
A5301 Scale: 1/4" = 1'-0"



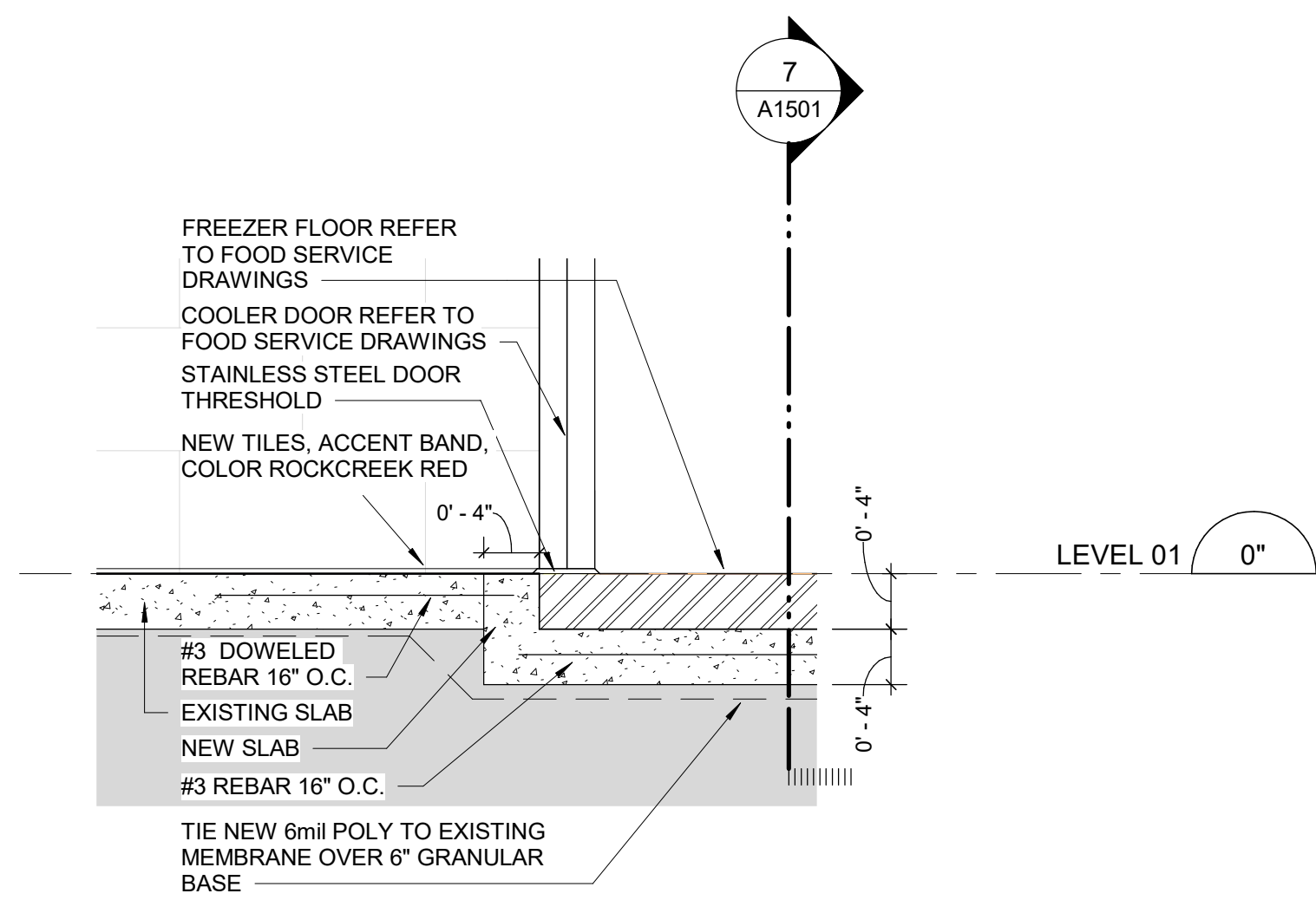
7 MEZZ FLOOR CONNECTION  
A5301 Scale: 1" = 1'-0"



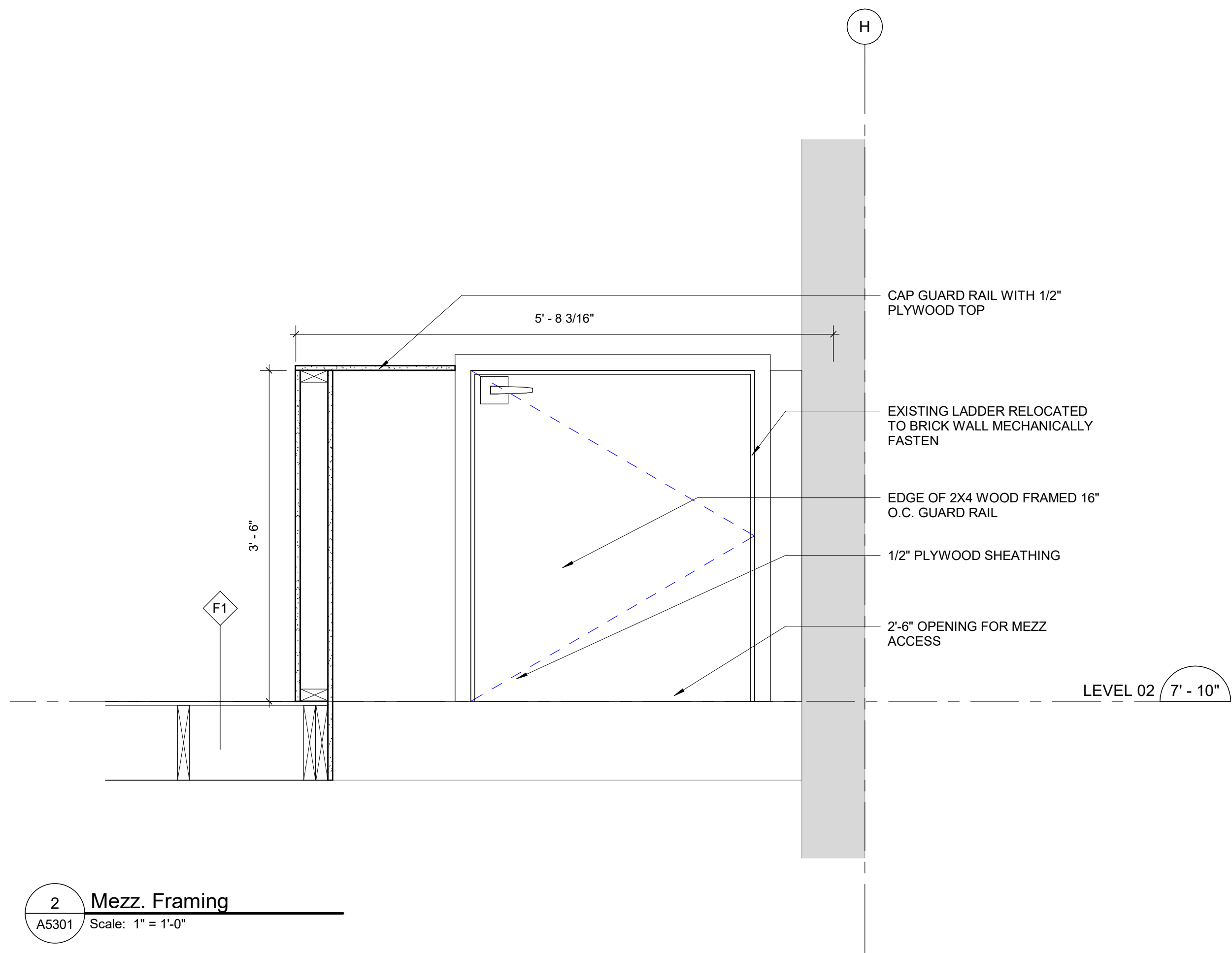
6 FREEZER MEZZ CONNECTION  
A5301 Scale: 1" = 1'-0"



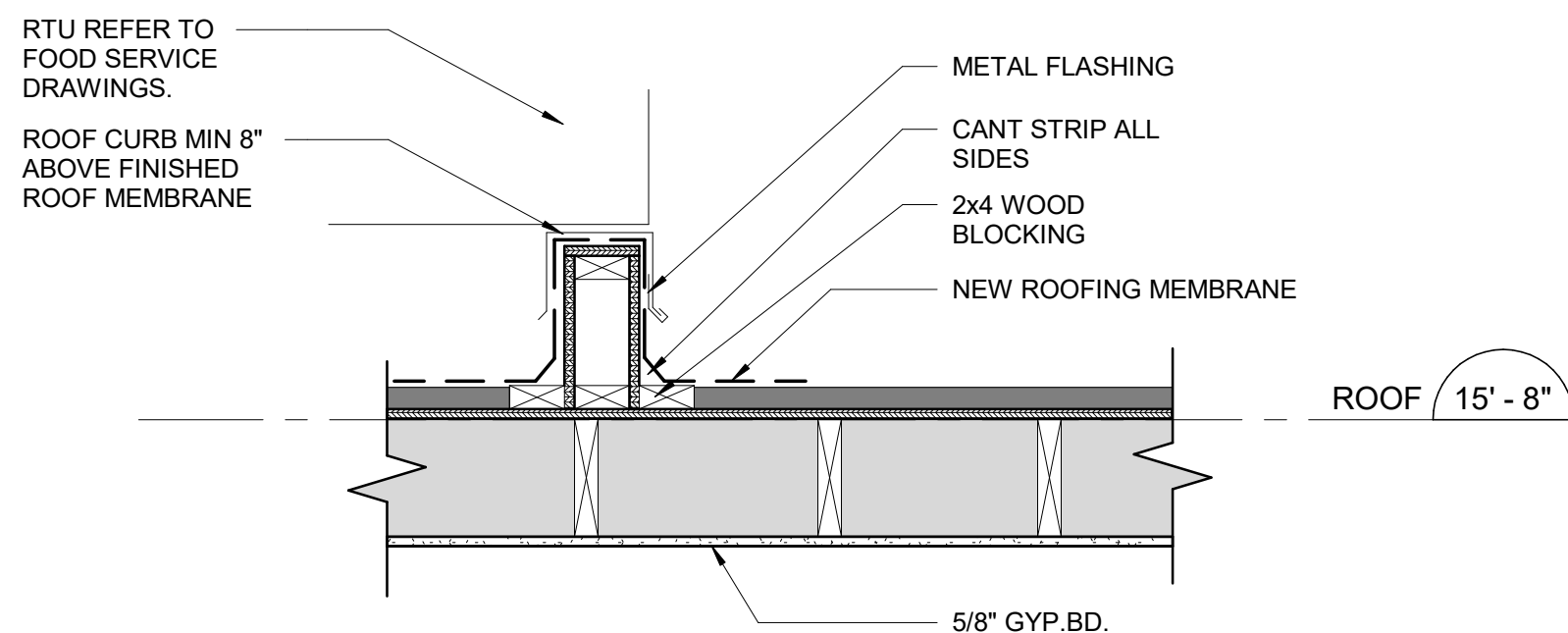
5 Freezer to Food Storage  
A5301 Scale: 1" = 1'-0"



3 Recessed Slab to Existing  
A5301 Scale: 1" = 1'-0"

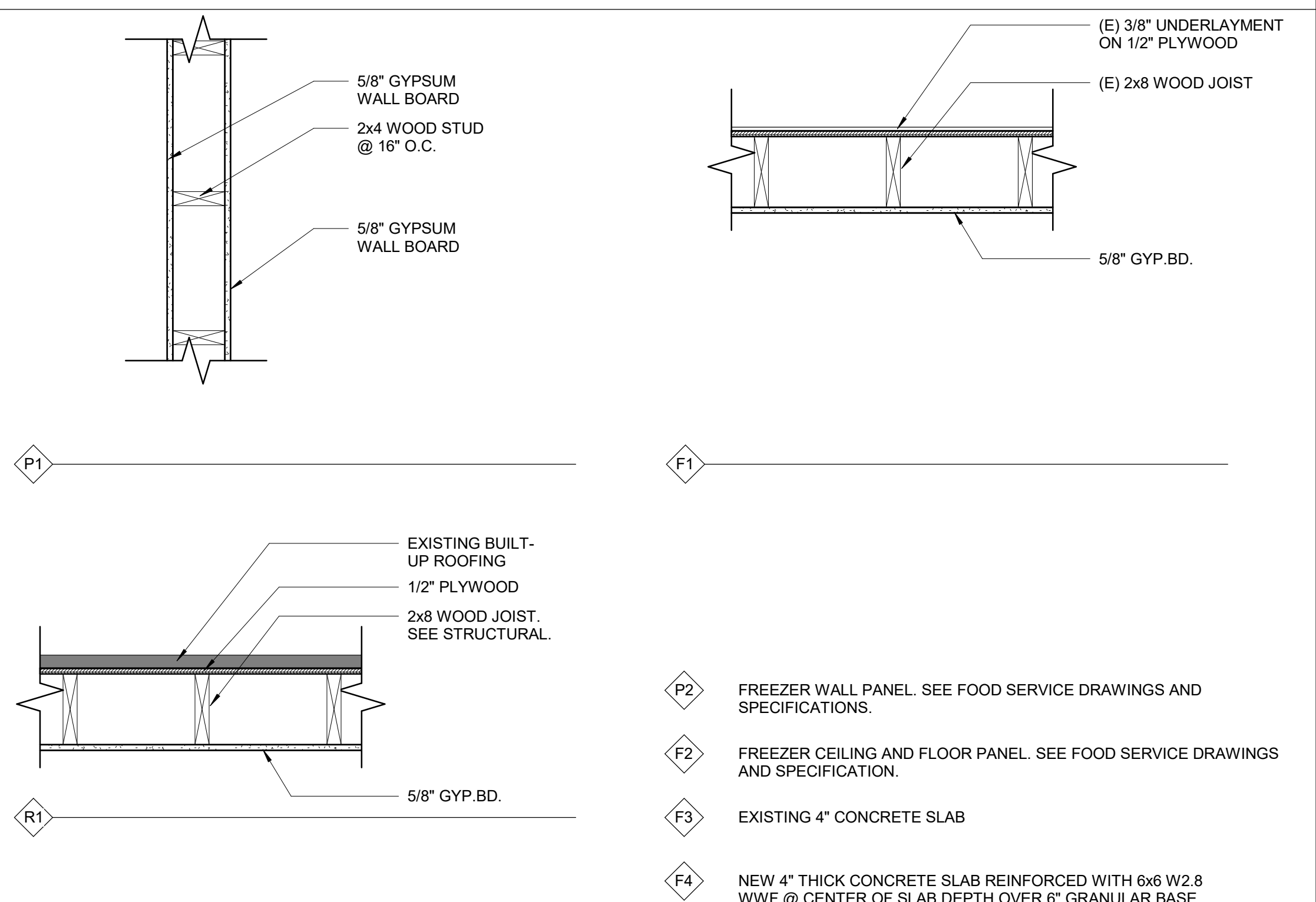


2 Mezz. Framing  
A5301 Scale: 1" = 1'-0"



1 Roof Curb Detail  
A5301 Scale: 1" = 1'-0"

## WALL TYPES



CLIENT  
Beaverton School District

16550 SW Merlo Rd. Beaverton OR 97003

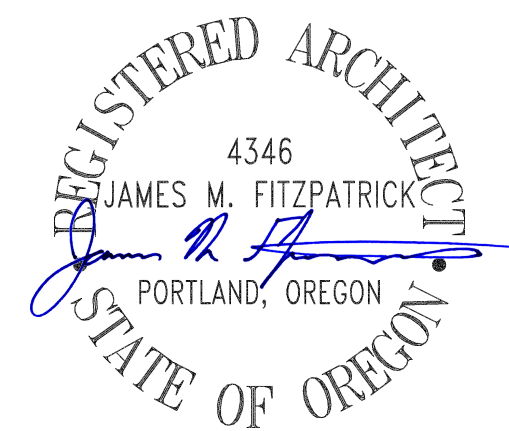
**COPYRIGHT**  
This drawing has been prepared solely for the intended use, and any reproduction or distribution for any purpose other than authorized by IBI Group is forbidden. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and IBI Group shall not be liable for any variations from the dimensions and conditions shown on the drawing. Shop drawings shall be submitted to IBI Group for general performance before proceeding with fabrication.

**IBI Group Architects (USA) Inc**  
is a member of the IBI Group of companies

ISSUES		
No.	DESCRIPTION	DATE
A	BID DOCUMENTS	11/20/2020

CONSULTANTS

SEAL



**IBI GROUP**  
907 SW Harvey Milk Street  
Portland, OR 97205, USA  
tel 503 226 6950 fax 503 273 9192  
ibigroup-usa.com

**PROJECT**  
Rock Creek Elementary School  
Freezer Replacement  
4125 NW 185th Ave  
Portland, OR 97229

**PROJECT NO:** 126730  
**DRAWN BY:** Author  
**CHECKED BY:** Checker  
**PROJECT MGR:** Designer  
**APPROVED BY:** Approver

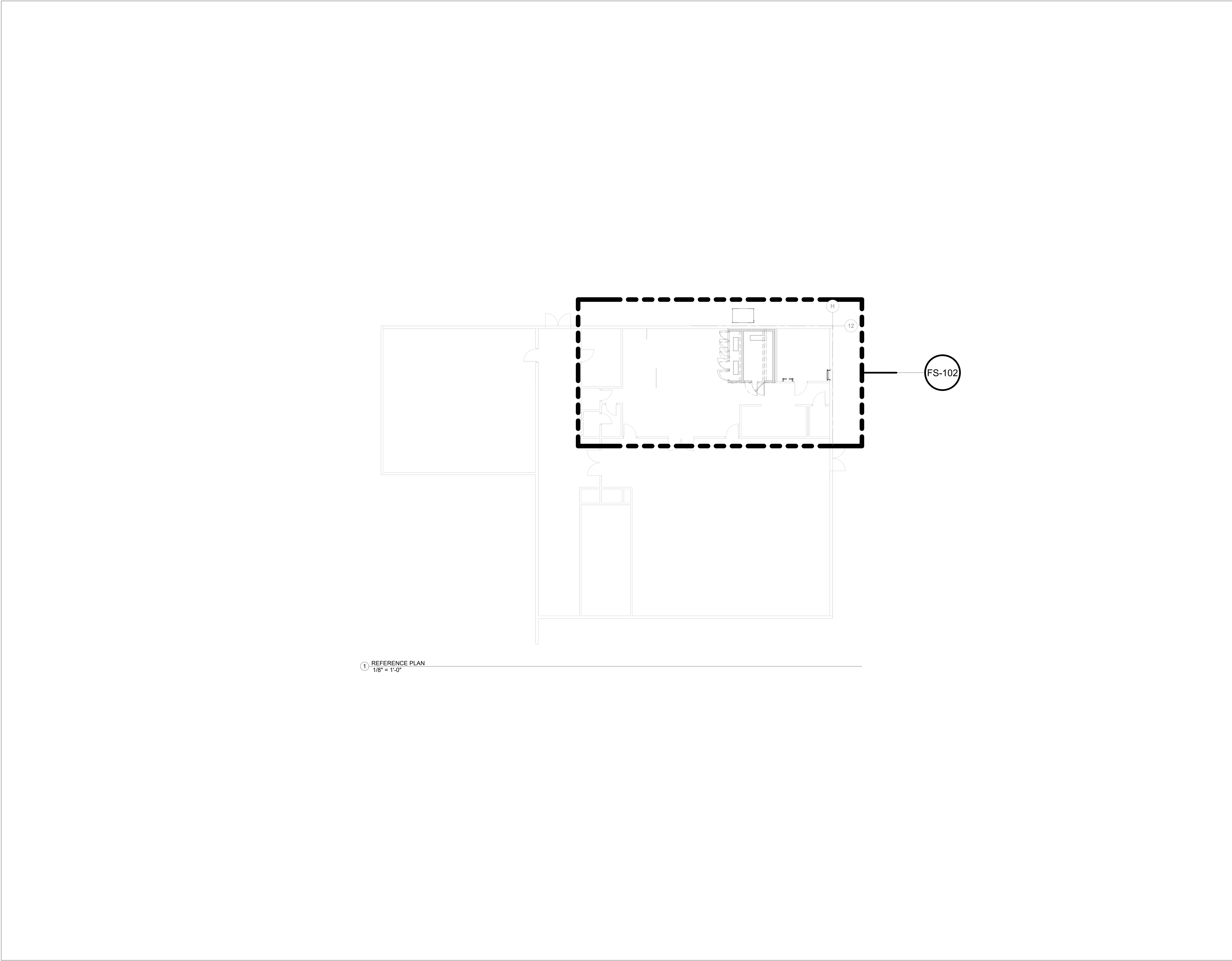
**SHEET TITLE**  
DETAILS

**SHEET NUMBER**  
A5301  
**ISSUE**  
A



GENERAL NOTES		ENVIRONMENTAL NOTES	ABBREVIATIONS	GENERAL SYMBOLS	SHEET INDEX	CLIENT				
1	THESE PLANS ARE A GENERAL ARRANGEMENT OF EQUIPMENT FOR THE CONVENIENCE OF CONTRACTORS AND IS MADE FROM AVAILABLE INFORMATION. WEBB FOODSERVICE DESIGN ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE MEASUREMENTS. FABRICATORS, CONTRACTORS, AND OTHERS UTILIZING THESE PLANS IN CONNECTION WITH THIS JOB ARE RESPONSIBLE FOR SECURING THEIR OWN MEASUREMENTS FOR PREPARATION OF SUBMITTALS AND CONSTRUCTION. PLUMBING AND ELECTRICAL INFORMATION INDICATED ON THESE PLANS ARE GENERALLY FOR FOOD SERVICE EQUIPMENT AND ARE INTENDED AS REFERENCE ONLY. WEBB FOODSERVICE DESIGN IS NOT RESPONSIBLE FOR THE ENGINEERING THEREOF OR FOR ANY PLUMBING OR ELECTRICAL FITTINGS, WORK, AND/OR CONNECTIONS UNLESS SPECIFICALLY PROVIDED FOR IN THE SPECIFICATIONS. WEBB FOODSERVICE DESIGN ASSUMES NO RESPONSIBILITY FOR THE WORK DONE BY THE CONTRACTORS NOR FOR ANY CHANGES MADE NECESSARY BY THE LOCAL BUILDING CODES, ORDINANCES, STRUCTURAL CONDITIONS, OR BY THE SUBSTITUTION OR CHANGES MADE NECESSARY IN EQUIPMENT SHOWN ON THIS PLAN. THE PLANS AND DESIGNS CONTAINED HEREIN ARE THE PROPERTY OF WEBB FOODSERVICE DESIGN AND MAY NOT BE REPRODUCED OR USED BY ANYONE, EITHER ALL OR IN PART, WITHOUT FIRST SECURING THE WRITTEN PERMISSION OF WEBB FOODSERVICE DESIGN.	1	ALL FOOD-RELATED AND UTENSIL RELATED EQUIPMENT SHALL BEAR THE ANS/NSF EMBLEM AND/OR BE MANUFACTURED OR FABRICATED IN ACCORDANCE WITH APPROPRIATE ANS/NSF STANDARD, SPECIFICALLY STANDARD 2 AND FOR ALL REFRIGERATED EQUIPMENT STANDARD 7.	"T" (N) * A A.F.F. A.G.A. AL ALT APPROX ARCH BLDG BTU C C.M.U. CFCI CLG CLR CO COL CONC CONN CONST CONT CONTR CW D DCO DET DFA DIA DIM DN DW DWG EA EH ELEC F FD FIN FLR FS FSEC FT GA GALV GC GL GPH GYP. BD. HP HR HTR HW I.D. IN INS INT IW JAN KIT KW L LOT MAX MECH MED MET MFG MIN MISC MOB MTD N.I.C. NIFSEC O.C. O.D. OFCI OFOI P.S.I. PLY POB POF POL POT PR PT QTY R REQ REQ'S RM S/S SCH SECT SHT SIM SOV SQ STD STRUCT THK TYP W W/ WD	TEE NEW SEE REMARKS COLUMN AMPS ABOVE FINISH FLOOR AMERICAN GAS ASSOCIATION ALUMINUM ALTERNATE APPROXIMATE ARCHITECT BUILDING BRITISH THERMAL UNIT CONVENIENCE OUTLET CONCRETE MASONRY UNITS CONTRACTOR FURNISHED CONTRACTOR INSTALLED CEILING CLEAR CONVENIENCE OUTLET COLUMN CONCRETE CONNECTION CONSTRUCTION CONTINUOUS CONTRACTOR COLD WATER DIRECT CONNECTION DUPLEX CONVENIENCE OUTLET DETAIL DOWN FROM ABOVE DIAMETER DIMENSION DOWN DIRECT WASTE DRAWINGS EACH EXHAUST ELECTRICAL FREEZER FLOOR DRAIN FINISH FLOOR FLOOR SINK FOOD SERVICE EQUIPMENT CONTRACTOR FOOT GAUGE GALVANIZED GENERAL CONTRACTOR GLASS GALLONS PER HOURS GYPSUM BOARD HORSEPOWER HOUR HEATER HOT WATER INSIDE DIAMETER INCH INSIDE INSULATION INTERIOR INDIRECT WASTE JANITOR KITCHEN KILOWATT LENGTH LOT MAXIMUM MECHANICAL MEDIUM METAL MANUFACTURER MINIMUM MISCELLANEOUS MOBILE MOUNTED NOT IN CONTRACT NOT IN FOOD SERVICE EQUIPMENT CONTRACT ON CENTER OUTSIDE DIAMETER OWNER FURNISHED CONTRACTOR INSTALLED OWNER FURNISHED OWNER INSTALLED POUNDS PER SQUARE INCH PLYWOOD PART OF BUILDING PART OF FIXTURE POLISH, POLISHED PORTABLE PAIR PAINT QUANTITY REFRIGERATOR REQUIRED REQUIREMENTS ROOM STAINLESS STEEL SCHEDULE SECTION SHEET SIMILAR SHUT-OFF VALVE SQUARE STANDARD STRUCTURAL THICK TYPICAL WIDE, WIDTH, WASTE WITH WOOD	<div><div><div><div><div><div>1</div><div>FS-701</div></div></div><div><div><div>1</div><div>FS-701</div></div><div><div>2</div><div>FS-701</div></div></div><div><div><div>3</div><div>FS-807</div></div></div></div><div><div><div>1</div><div>FS-807</div></div></div><div><div><div>1</div><div>FS-807</div></div></div><div><div><div>#</div><div>FS-807</div></div></div><div><div><div>P-1</div></div></div><div><div><div>X</div></div></div><div><div><div>N</div></div></div><div><div><div>Δ</div></div></div><div><div><div>+8'-0"</div></div></div></div><div>ELEVATION REFERENCE</div><div>MULTIPLE ELEVATION REFERENCE</div><div>DETAIL REFERENCE</div><div>SECTION REFERENCE</div><div>ENLARGED PLAN/ DETAIL REFERENCE</div><div>SPECIFICATION REFERENCE SEE TYPICAL SPECIFICATION SYMBOLS (ON INTERIOR DRAWINGS)</div><div>ITEM NUMBER</div><div>NORTH ARROW</div><div>REVISION DELTA</div><div>ELEVATION HEIGHT REFERENCE</div></div>	FS-100 SYMBOLS, NOTES, & INDEX FS-101 REFERENCE PLAN FS-102 EQUIPMENT FLOOR PLAN & SCHEDULE FS-201 PLUMBING & ELECTRICAL PLANS FS-301 REFRIGERATION & BUILDING WORKS PLANS / CONSTRUCTION DETAILS FS-302 REFRIGERATION DETAILS FS-303 WALK-IN DETAILS FS-304 WALK-IN DETAILS FS-305 WALK-IN DETAILS FS-306 WALK-IN DETAILS FS-307 WALK-IN DETAILS	16550 SW Merlo Rd. Beaverton OR 97003		
		2	FLOORS IN FOOD PREPARATION, FOOD STORAGE, WAREWASHING, JANITORIAL, HANDWASHING AND TOILET AREAS SHALL BE SMOOTH AND IMPERVIOUS TO WATER, GREASE, AND ACID AND OF EASILY CLEANABLE CONSTRUCTION WITH 6" CONTINUOUS SELF-COVED BASE WITH 3/8" RADIUS. WHERE EQUIPMENT IS INSTALLED ON A CURB, SELF-COVED BASE IS TO EXTEND 4".			<div><div><div><div><div><div>IBI Group Architects (USA) Inc</div><div>is a member of the IBI Group of companies</div></div></div><div>ISSUES</div><div><table><tr><th>No.</th><th>DESCRIPTION</th><th>DATE</th></tr><tr><td> </td><td> </td><td> </td></tr></table></div></div></div><div><div><div><div><div><div>COPYRIGHT</div><div>This drawing has been prepared solely for the intended use, thus any reproduction or distribution for any purpose other than authorized by IBI Group is forbidden. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and IBI Group shall be notified of any deviations from the dimensions and conditions shown on the drawing. Shop drawings shall be submitted to IBI Group for general coordination before proceeding with fabrication.</div></div></div><div>CONSULTANTS</div><div><div><div><div><div><div></div><div>webb.</div></div></div><div>1530 S. Lewis St. Anaheim, CA 92805 P 714.508.1880 www.webbfdsd.com</div></div></div></div></div></div></div></div>	No.	DESCRIPTION	DATE	
No.	DESCRIPTION	DATE								
2	CONTRACTORS ARE TO MAKE ALLOWANCE FOR ELBOWS, TRAPS, ETC. AND ARE TO MAKE FINAL CONNECTIONS ON THE JOB, SUPPLYING ALL NECESSARY VALVES, TRAPS, STEAM TRAPS, FAUCETS, STARTING SWITCHES FOR MOTORS, ETC. EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE IN THE WRITTEN SPECIFICATIONS.	3	ANY DISCREPANCIES BETWEEN PLANS, BUILDING, AND LOCAL CODE REQUIREMENTS THAT MAY AFFECT THE INSTALLATION, FABRICATION, OR OVERALL WORK IN ANY WAY SHALL BE BROUGHT TO THE ATTENTION OF THE FOOD SERVICE EQUIPMENT CONTRACTOR IMMEDIATELY.							
3	IF THERE ARE ANY AMBIGUITIES, DISCREPANCIES, OR IRREGULARITIES, VERIFY WITH ARCHITECTURAL TEAM PRIOR TO COMMENCING WORK.	4	ALL WORK IS TO BE COMPLETED IN CRAFTSMAN LIKE MANNER AND CONFORM TO ALL APPLICABLE BUILDING AND SAFETY CODES.							
4	REFER TO ARCHITECTURAL PLANS FOR ADA CLEARANCE REQUIREMENTS FOR ALL SPACES, DOOR STRIKES, EXITS, AND AISLEWAYS AS THEY PERTAIN TO CODE ENFORCEMENT AND INTERPRETATION.	5	CONTRACTORS SHALL SUBMIT ALL SHOP DRAWINGS, FINISHES, STAINS, AND COLORS TO THE ARCHITECTURAL TEAM FOR APPROVAL PRIOR TO FABRICATION.							
5	SEE ENGINEERING DOCUMENTS FOR TITLE 24 ENGINEERING CALCULATIONS FOR BUILDING PERMIT REQUIREMENTS.	6	CONTRACTOR TO VERIFY ALL EQUIPMENT CLEARANCES THRU BUILDING DOORS, HALLWAYS, OR ENTRY POINTS. NOT ALL EQUIPMENT WILL FIT THRU STANDARD DOOR OPENINGS.							
6	ALL DRAWINGS BY WEBB FOODSERVICE DESIGN ARE FOOD SERVICE EQUIPMENT CONTRACT DOCUMENTS ONLY TO BE USED BY CONSULTANTS/ARCHITECTS AND FOR BIDDING, NOT FOR CONSTRUCTION.	7	VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE PRIOR TO PROCEEDING WITH WORK.							
7	PARTITIONS ARE DIMENSIONED FROM FINISHED SURFACE, UNLESS OTHERWISE NOTED.	8	PARTITIONS ARE DIMENSIONED FROM FINISHED FACE OF WALL TO FINISHED FACE OF WALL OR CENTERLINE OF COLUMN.							
8	ALL HORIZONTAL DIMENSIONS ARE FROM FINISHED FACE OF WALL TO FINISHED FACE OF WALL OR CENTERLINE OF COLUMN.	9	ALL VERTICAL DIMENSIONS ARE FROM FINISHED FLOOR TO WALL OR WALL OPENING.							
9	PROVIDE SMOOTH AND LEVEL FLOORS BELOW ALL KITCHEN EQUIPMENT UNLESS THESE DRAWINGS SHOW OTHERWISE.	10	GENERAL CONTRACTOR TO PROVIDE AND INSTALL BLOCKING IN WALLS FOR MOUNTING WALL SHELVES, POT RACKS, DISPLAY CASES, HOSE REELS, ETC., AS SHOWN ON PLANS.							
10	WHERE REQUIRED, SPRINKLER HEADS IN WALK-IN FREEZER WILL BE PROVIDED BY AND PROTECTED AGAINST FREEZING BY GENERAL CONTRACTOR.	11	LEVEL PLATFORMS CONSTRUCTED PER CODE AND LOCATED ON ROOF ARE REQUIRED FOR COMPRESSOR RACKS. REFER TO ARCHITECTURAL AND MECHANICAL PLANS FOR LOCATIONS AND DETAILS. GENERAL CONTRACTOR TO PROVIDE ACCESS FOR DELIVERY AND INSTALLATION OF EACH COMPRESSOR RACK.							
11	SEE STRUCTURAL ENGINEER AND/OR ARCHITECTURAL PLANS FOR STRUCTURAL SUPPORT REQUIREMENTS OF ROOF SUPPORTING ALL FOOD SERVICE EQUIPMENT SUCH AS COMPRESSOR RACKS, EXHAUST AND MAKE-UP AIR SYSTEMS, AIR CONDITIONING, ETC., PRIOR TO BEGINNING CONSTRUCTION.	12	ROOF JACKS AND PENETRATIONS THROUGH ROOF ARE REQUIRED FOR REFRIGERATION LINES. SEE ARCHITECTURAL PLANS FOR DETAILS. (VERIFY LOCATION WITH REFRIGERATION CONTRACTOR)							
12	ARCHITECT AND/OR MECHANICAL ENGINEER TO PROVIDE ADEQUATE VENTILATION AND COOLING FOR SPACES CONTAINING SELF-CONTAINED REFRIGERATION AND OTHER FOOD SERVICE EQUIPMENT EMITTING HEAT.	13	INTENDED ENVIRONMENT FOR REFRIGERATED GLASS FRONT & OPEN FRONT DISPLAY CASE, INCLUDING GLASS DOORS ON WALK-IN REFRIGERATORS AND FREEZERS IS 75°F/55% RELATIVE HUMIDITY. VERIFY WITH MECHANICAL DRAWINGS.							
13	FOOD SERVICE FACILITIES REQUIRE A DESIGNATED HOT WATER SUPPLY FOR FOODHANDLING AREAS, WAREWASHING AREAS, JANITOR SINKS AND EMPLOYEE RESTROOMS. REFER TO MECHANICAL AND/OR PLUMBING DRAWINGS.	14	HOT WATER SUPPLY TO POT AND PREPARATION SINKS SHALL BE 120 DEGREES MINIMUM. HOT WATER SUPPLY TO ALL DISH MACHINES SHALL BE 120 DEGREES MINIMUM.							
14	ALL MATERIALS FOR FLOORS, WALLS, AND CEILINGS SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.	15	GENERAL CONTRACTOR SHALL ENSURE THAT ALL HARDWOOD PLYWOOD (HWPW), PARTICLE BOARD (PB), AND MEDIUM DENSITY FIBERBOARD (MDF) USED TO MAKE FINISHED GOODS, SUCH AS FURNITURE, CABINETS, COUNTERTOPS, SHELVING, FLOORING, MOLDING, ETC., SHALL COMPLY WITH THE CALIFORNIA AIR RESOURCES BOARD (CARB) AIRBORNE TOXIC CONTROL MEASURE (ATCM) TO REDUCE FORMALDEHYDE EMISSIONS IN COMPOSITE WOOD PRODUCTS. THE ATCM APPLIES TO PANEL MANUFACTURERS, THIRD PARTY CERTIFIERS, DISTRIBUTORS, IMPORTERS, FABRICATORS, AND RETAILERS OF HWPW, PB, MDF, AND FINISHED GOODS CONTAINING THESE PRODUCTS (INCLUDING LAMINATED PRODUCTS), SOLD OR DELIVERED TO CALIFORNIA, AND APPLIES TO DOMESTIC AND IMPORTED PRODUCTS.							
15	COUNTERS ARE TO BE FABRICATED PROPERLY TO SUPPORT THE SPECIFIED COUNTER TOP MATERIAL. IN ACCORDANCE WITH THE MATERIAL MANUFACTURER'S GUIDELINES.	16	ALL "DROP-IN" EQUIPMENT AND OTHER EQUIPMENT "ATTACHED TO", "SET ON", OR "BUILT-IN" TO THE COUNTERTOP MATERIAL IS TO BE INSTALLED IN ACCORDANCE WITH THE MATERIAL MANUFACTURER'S GUIDELINES AND TECHNICAL BULLETINS FOR THE INSTALLATION OF COMMERCIAL FOOD SERVICE EQUIPMENT.							
16		17								
17		18								
18		19								
19		20								
20		21								
21		22								
22		23								
23		24								
24		25								
25		26								
26		27								
27		28								
28		29								
29		30								
30		31								
31		32								
32		33								
33		34								
34		35								
35		36								
36		37								
37		38								
38		39								
39		40								
40		41								
41		42								
42		43								
43		44								
44		45								
45		46								
46		47								
47		48								
48		49								
49		50								
50		51								
51		52								
52		53								
53		54								
54		55								
55		56								
56		57								
57		58								
58		59								
59		60								
60		61								
61		62								
62		63								
63		64								
64		65								
65		66								
66		67								
67		68								
68		69								
69		70								
70		71								
71		72								
72		73								
73		74								
74		75								
75		76								
76		77								
77		78								
78		79								
79		80								
80		81								
81		82								
82		83								
83		84								
84		85								
85		86								
86		87								
87		88								
88		89								
89		90								
90		91								
91		92								
92		93								
93		94								
94		95								
95		96								
96		97								
97		98								
98		99								
99		100								
100		101								
101		102								
102		103								
103		104								
104		105								
105		106								
106		107								
107		108								
108		109								
109		110								
110		111								
111		112								
112		113								
113		114								
114		115								
115		116								
116		117								
117		118								
118		119								
119		120								
120		121								
121		122								
122		123								
123		124								
124		125								
125		126								
126		127								
127		128								
128		129								
129		130								
130		131								
131		132								
132		133								
133		134								
134		135								
135		136								
136		137								
137		138								
138		139								
139		140								
140		141								
141		142								
142		143								
143		144								
144		145								
145		146								
146		147								
147		148								
148		149								
149		150								
150		151								
151		152								
152		153								
153		154								
154		155								
155		156								
156		157								
157		158								
158		159								
159		160								
160		161								
161		162								
162		163								
163		164								
164		165								
165		166								
166		167								
167		168								
168		169								
169		170								
170		171								
171		172								
172		173								
173		174								
174		175								
175		176								
176		177								
177		178								
178		179								
179		180								
180		181								
181		182								
182		183								
183		184								
184		185								
185		186								
186		187								
187		188								
188		189								
189		190								
190		191								
191		192								
192		193								
193		194								
194		195								
195		196								
196		197								
197		198								
198		199								
199		200								
200		201								
201		202								
202		203								
203		204								
204		205								
205		206								
206		207								
207		208								
208		209								
209		210								
210		211								
211		212								
212		213								
213		214								
214		215								
215		216								
216		217								
217		218								
218		219								
219		220								
220		221								
221		222								
222		223								





CLIENT

Beaverton School District

16550 SW Merlo Rd, Beaverton OR 97003

COPYRIGHT


This drawing has been prepared solely for the intended use, and any reproduction or distribution for any purpose other than authorized by IBI Group is prohibited. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and IBI Group shall be relieved of any liability from the dimensions and conditions shown on the drawing. Shop drawings shall be submitted to IBI Group for general confirmation before proceeding with fabrication.

IBI Group Architects (USA) Inc  
is a member of the IBI Group of companies

ISSUES

No.	DESCRIPTION	DATE
-----	-------------	------

CONSULTANTS



1530 S. Lewis St. Anaheim, CA 92805

P 714.508.1880 www.webbfds.com

SEAL

IBI

IBI GROUP  
907 SW Harvey Milk Street  
Portland, OR 97205, USA  
tel 503 226 6950 fax 503 273 9192  
ibigroup-usa.com

PROJECT

Rock Creek Elementary School  
Freezer Replacement  
4125 NW 185th Ave  
Portland, OR 97229

PROJECT NO:  
126730

DRAWN BY:  
PM

CHECKED BY:  
RS

PROJECT MGR:  
Designer

APPROVED BY:  
Approver

SHEET TITLE

REFERENCE PLAN

SHEET NUMBER

FS-101

ISSUE

SCALE CHECK

1 in

1 in

1 in

BM 360/126730/Rock Creek ES020/Rock Creek ESF\_Foodservice\_P001.rvt











REFRIG. SYMBOLS

A,B,C... IDENTIFIES REFRIGERATION SYSTEM AS SHOWN ON SHEET FS-502

1 ← . . . OVERHEAD REFRIGERATION LINE RUN THROUGH ACCESSIBLE CEILING.

INDICATES REFRIGERATED EQUIPMENT CONNECTED TO REFRIGERATION RACK

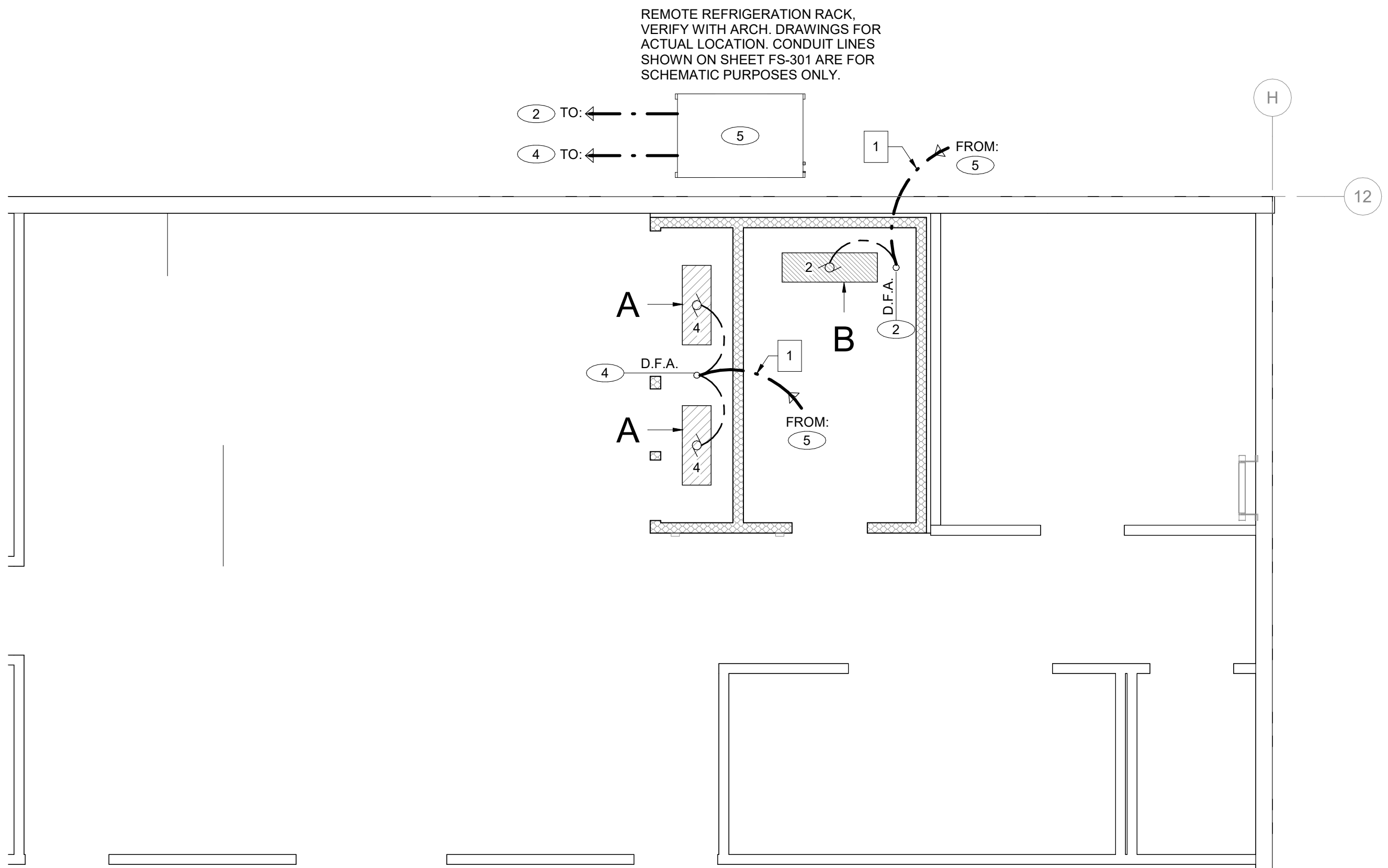
INDICATES FREEZER EQUIPMENT CONNECTED TO REFRIGERATION RACK

NOTE: CONDUIT LINE RUNS SHOWN ARE FOR SCHEMATIC PURPOSES ONLY. ACTUAL RUNS TO BE DETERMINED BY FIELD CONDITIONS.

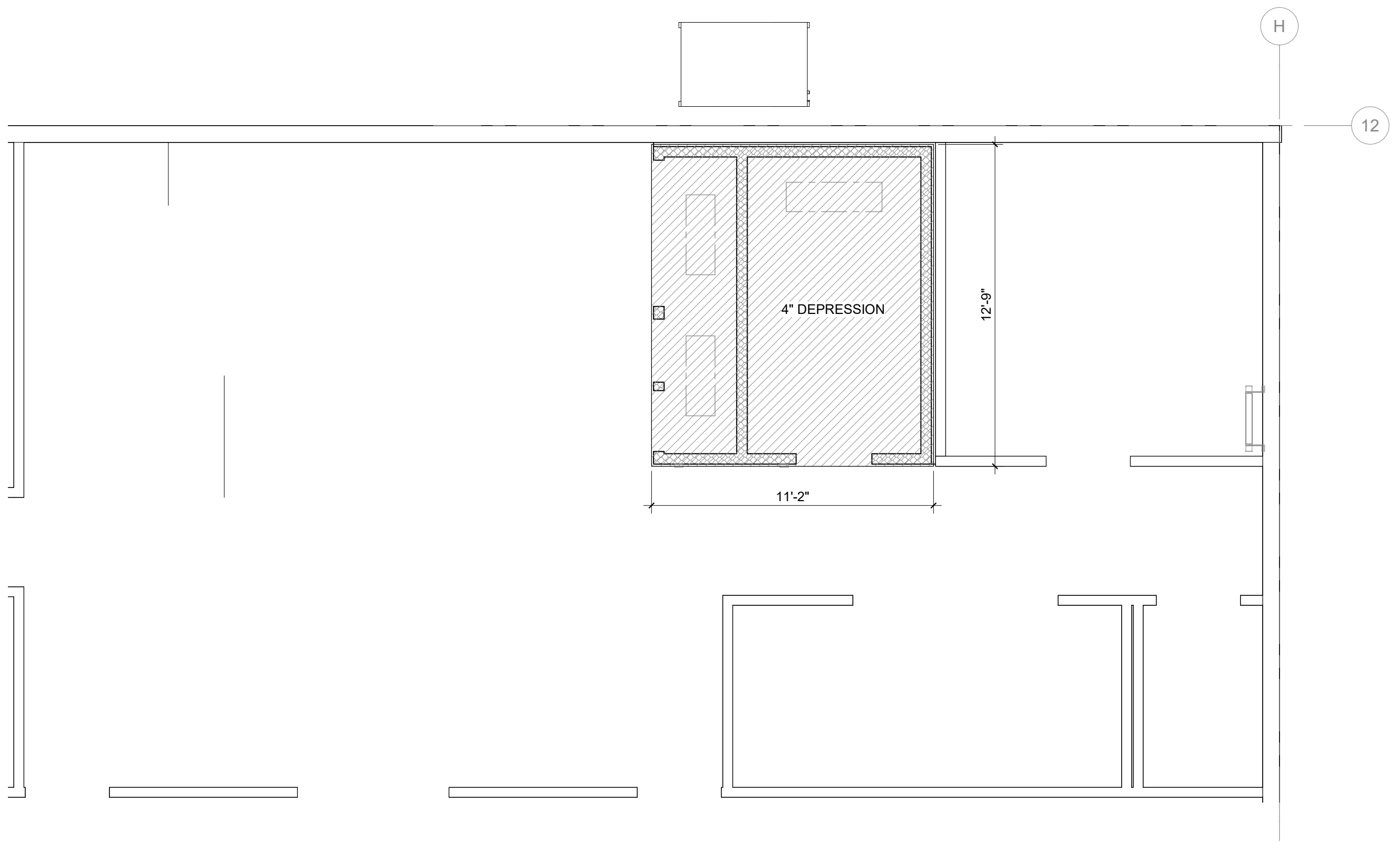
\*PROVIDE PULL BOX EVERY 50 FEET

REFRIGERATION NOTES

- 1 REFRIGERATION CONTRACTOR SHALL INSULATE ALL REFRIGERATION LINES WHERE REQUIRED BY CODE.
- 2 REFRIGERATION CONTRACTOR SHALL VERIFY LOCATION OF ALL REMOTE REFRIGERATION SYSTEM COMPONENTS, INCLUDING EVAPORATOR COILS, REFRIGERATION RACK, COMPRESSORS, CONDENSORS, ETC.
- 3 REFRIGERATION CONTRACTOR SHALL VERIFY LOCATION OF PITCH POCKET FOR REFRIGERATION LINE PENETRATION THRU ROOF WITH GENERAL CONTRACTOR. GENERAL CONTRACTOR TO INSTALL PITCH POCKETS, CURB, CAP AND FLASHING.
- 4 GENERAL CONTRACTOR TO PROVIDE A WATERPROOF SEAL OF ALL PENETRATIONS THROUGH THE ROOF AFTER REFRIGERATION LINES HAVE BEEN RUN.
- 5 REFRIGERATION CONTRACTOR TO SEAL ENDS OF CONDUIT AFTER ALL REFRIGERATION LINES HAVE BEEN RUN.
- 6 CLEARANCE IS REQUIRED AROUND THE PERMITER OF ROOF MOUNTED REFRIGERATION EQUIPMENT FOR SYSTEM MAINTENANCE. REFER TO MANUFACTURERS MINIMUM SPACE REQUIREMENTS.
- 7 PROPER VENTILATION IS REQUIRED FOR REFRIGERATION EQUIPMENT RACK. SEE REFRIGERATION SYSTEM DRAWINGS FOR REQUIREMENTS AND MANUFACTURERS DATA OR INSTALLATION REQUIREMENTS
- 8 REFRIGERATION RACK SYSTEM MANUFACTURER TO PROVIDE AND INSTALL ALL REQUIRED ELECTRICAL COMPONENTS (FUSED DISCONNECT, TIME CLOCKS, MAGNETIC STARTERS, DRAIN LINE HEATERS, ETC.) AND FACTORY WIRED (CONDUIT AND CABLE) FOR ALL CONTROLS WITHIN THE REFRIGERATION SYSTEM (PER DIVISION 16) TO A SINGLE POINT OF SERVICE FOR POWER CONNECTIONS. REFRIGERATION RACK SHALL BE UL LISTED. ELECTRICAL CONTRACTOR TO PROVIDE ALL CONDUIT AND WIRING BETWEEN REFRIGERATION RACK AND REMOTELY LOCATED SYSTEM COMPONENTS.
- 9 ALL SYSTEMS AND COMPONENTS SHALL BE LABELED. PROVIDE A COPY OF THE REFRIGERATION PLAN IN AN EASILY ACCESSIBLE WEATHER PROTECTED AREA.
- 10 ICE MACHINE REMOTE CONDENSER CONDUIT RUNS SHALL NOT EXCEED 20 FEET VERTICALLY AND 40 FEET HORIZONTALLY.



1 REFRIGERATION PLAN  
1/4" = 1'-0"



2 BUILDING WORKS PLAN  
1/4" = 1'-0"

BUILDING WORKS NOTES

- 1 ALL WALL BACKING TO BE 16 GAUGE GALVANIZED METAL SECURELY ATTACHED TO STUD/WALL FRAMING.
- 2 WALL BACKING LENGTHS SHOWN ON BUILDING WORKS PLAN REQUIREMENTS ARE THE MINIMUM. ALWAYS EXTEND WALL BACKING TO NEXT STUD OVER IN EACH DIRECTION.
- 3 ALL WORK SHOWN ON BUILDING WORKS PLAN TO BE BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.

BLDG. WORKS LEGEND

INDICATES FREEZER DEPRESSION

FLOOR DEPRESSION

CLIENT  
Beaverton School District

16550 SW Merlo Rd. Beaverton OR 97003

COPYRIGHT  
This drawing has been prepared solely for the intended use, thus any reproduction or distribution for any purpose other than authorized by IBI Group is forbidden.  
Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and IBI Group shall not be deemed to have warranted them. The dimensions and conditions shown on the drawing. Shop drawings shall be submitted to IBI Group for general confirmation before proceeding with fabrication.

IBI Group Architects (USA) Inc  
is a member of the IBI Group of companies

ISSUES		
No.	DESCRIPTION	DATE

CONSULTANTS



1530 S. Lewis St. Anaheim, CA 92805  
P 714.508.1880 www.webbfsd.com



PROJECT  
Rock Creek Elementary School  
Freezer Replacement  
4125 NW 185th Ave  
Portland, OR 97229

PROJECT NO:  
126730

DRAWN BY:  
PM

PROJECT MGR:  
Designer

CHECKED BY:  
RS

APPROVED BY:  
Approver

SHEET TITLE  
REFRIGERATION & BUILDING  
WORKS PLANS /  
CONSTRUCTION DETAILS

SHEET NUMBER

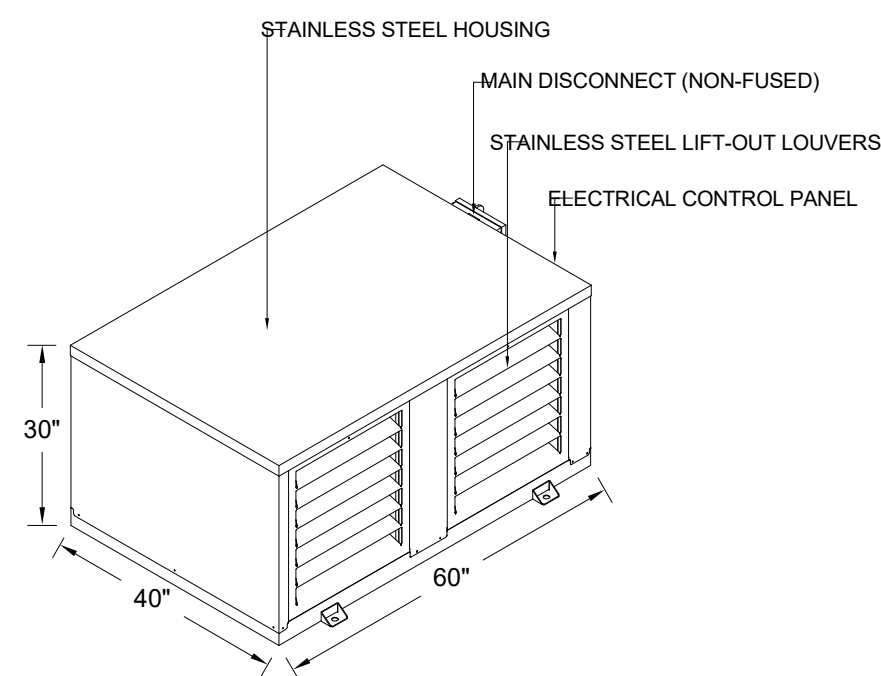
FS-301

ISSUE



11/4/2020 11:15:57 AM

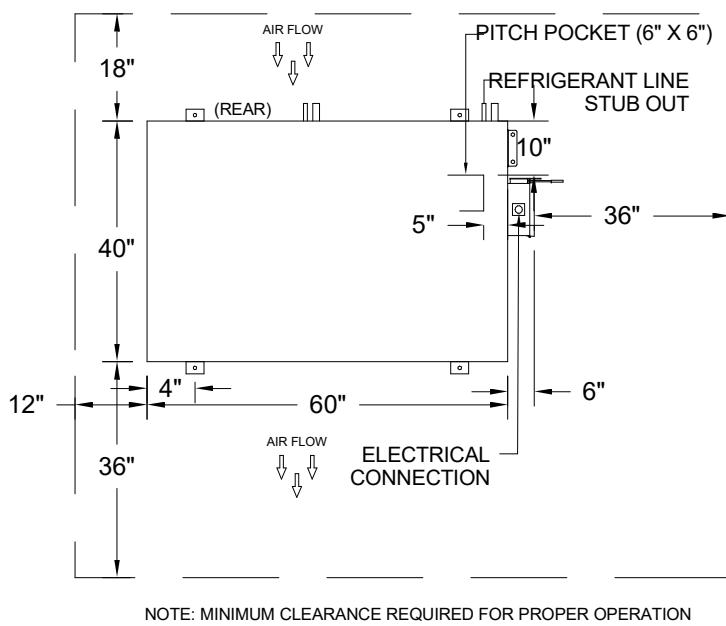
MODEL NO. ZS1-02Z-CT3-AST OUTDOOR AIR COOLED REFRIGERATION SYSTEM



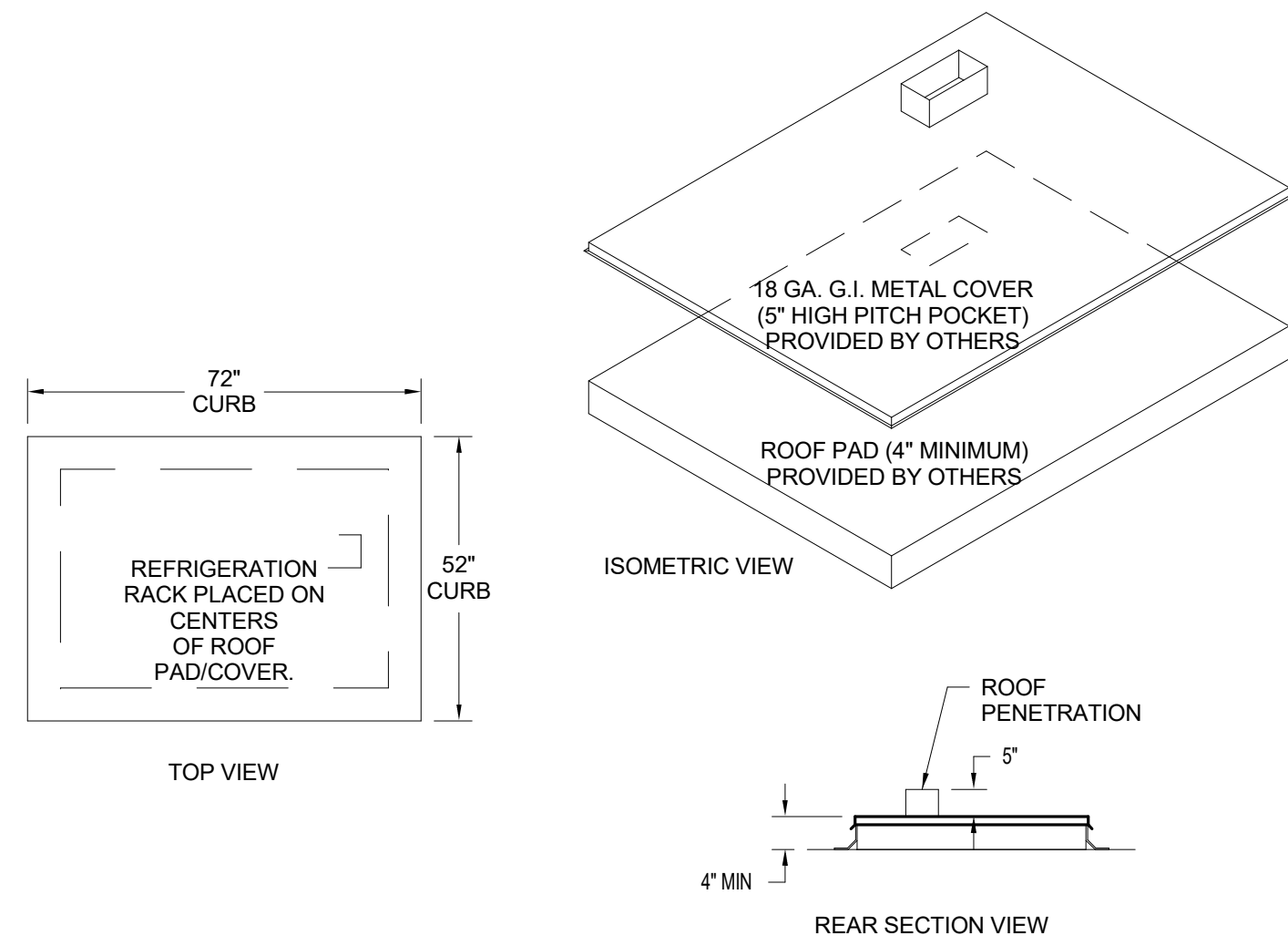
- NOTE:
- CRANKCASE HEATERS
  - FAN CYCLING SWITCH (LOW TEMP)
  - HEADMASTER CONTROLS (MEDIUM TEMP)

RACK WEIGHT: 400 LBS.

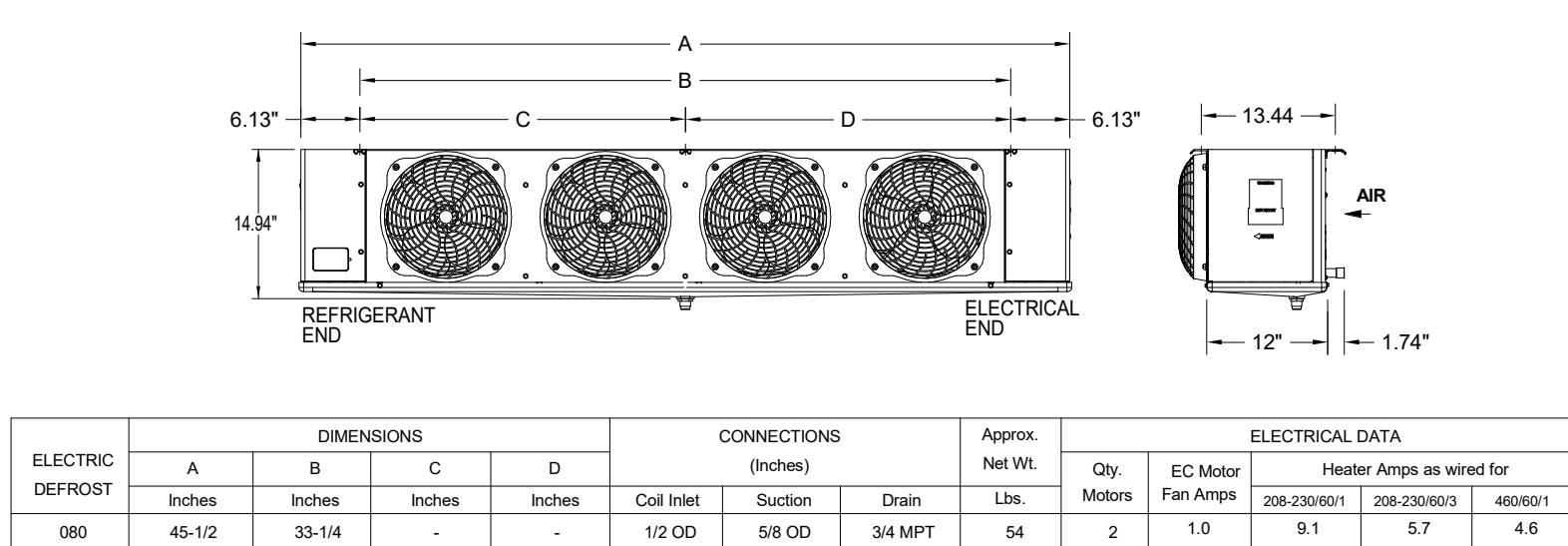
PLANVIEW / CLEARANCE REQUIREMENTS



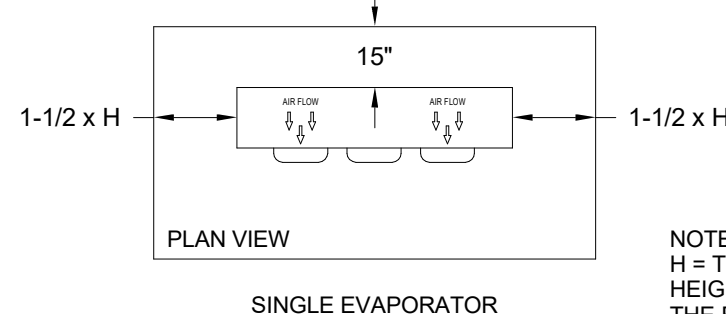
ROOF CURB / PITCH POCKET DETAIL



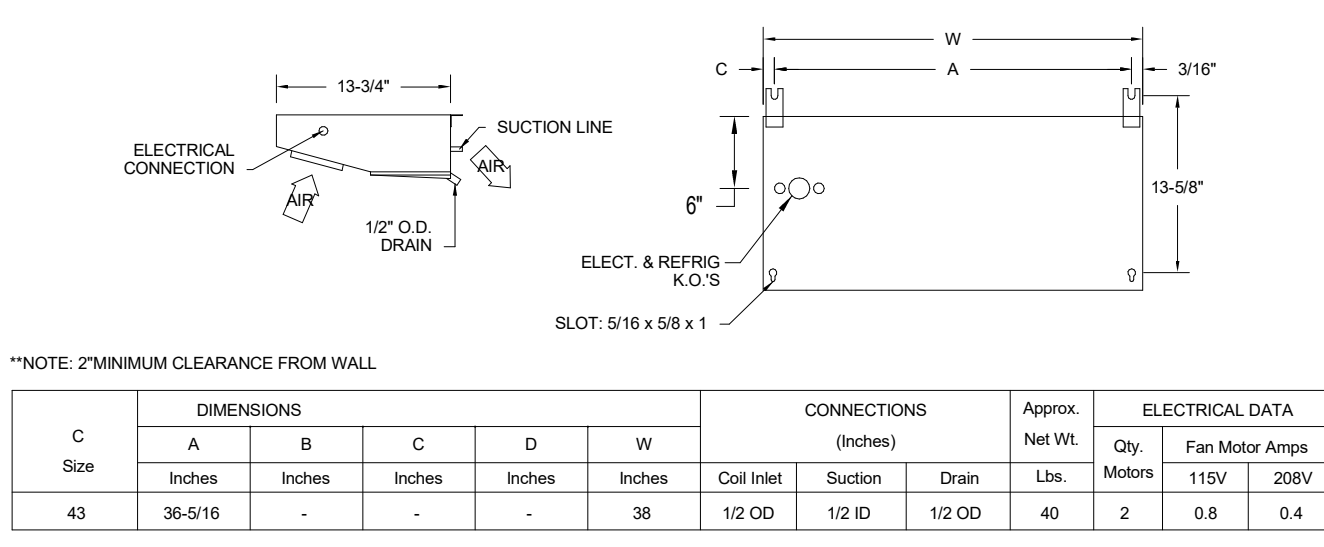
EVAPORATOR DETAILS - MODEL BEL



EVAPORATOR PLACEMENT & CLEARANCE REQUIREMENTS  
(I.E. - BEL)



EVAPORATOR DETAILS - MODEL C



ZS SERIES ENGINEERING SPECIFICATIONS

Multi compressor, outdoor, air cooled. The refrigeration package shall be a pre-engineered and factory-assembled unit, trade name "ZS", as manufactured by Refrigeration Design Technologies, 1808 FM Road 66, P.O. Box 622, Waco, Texas 76788. Phone: (727) 937-3215; Fax: (727) 937-3200.

1. Air-Cooled Refrigeration System  
The RDT UL Listed "Air-Cooled" Refrigeration system shall be housed in a weather-protected compact powder coated steel frame. The entire housing shall be finished stainless steel. The unit shall include an air-cooled aluminum fin copper tube condenser designed to operate at 15 degrees TD. The exterior housing shall feature stainless steel one piece louvers. Lifting points shall be integrated in the framing component. Condenser fan motors shall be mounted within the enclosure. The condenser intake surface shall be protected with stainless steel expanded metal guard to protect against vandalism and hail damage.

Each unit shall be equipped with a ball-bearing fan motor, suction filter, sight glass, liquid filter/drier, liquid line inlet and outlet valve, defrost cycle and high pressure super-hose connections. Each unit shall be equipped with fan cycling controls and/or head pressure regulator where required for low ambient conditions.

Condensing unit shall contain scroll, hermetic, semi-hermetic, and/or discus type compressor(s) assembled to operate with the refrigerant specified for both medium and low temperature applications.

2. Evaporator Coils  
A. Evaporator coils shall be direct expansion type fabricated of copper tubes with aluminum fins.  
B. All evaporator coils shall be provided with solenoid valve, thermostatic or electronic expansion valve and thermostat.

3. Piping  
All refrigerant lines shall be extended to outside of the housing in a neat and orderly manner. All tubing shall be securely supported and anchored with non-corrosive coated clamps.  
All joints must be brazed, not soldered.  
All piping and controls shall be factory pressure-tested with dry nitrogen.

4. Control Panel  
The package shall have a factory-mounted and pre-wired control panel, with main disconnect (non fused) where required, circuit breakers, contactors wired for single point power connection.

General Information  
Contractors shall verify all dimensions onsite and coordinate with other trades.  
General contractor shall prepare the platform, curbed openings and weatherproofing the unit after installation.

Refrigeration Contractor  
All copper tubing to be refrigerant grade, A.C.R. or type "L".  
Brazing should be used for all refrigerant piping. Silver solder or soft solder is not acceptable.  
All piping to be pressure tested with nitrogen at 300 psi. After the condensing unit and coil have been connected the balance of the system shall be leak tested with the valves open at 200 psi.  
The complete system shall be evacuated with a vacuum pump. Each unit should be charged tested and adjusted to assure operation.  
Contractor should provide and install the drain-line heater in freezer. Heater shall be connected by electrical contractor. Seal all penetrations through the walk-in units with foam.

Electrical Contractor  
Electrical contractor to provide power for refrigeration package and connect control and defrost system as called for in the wiring diagram.  
Electrical contractor to connect drain-line heater in the freezer.

All electrical wiring and installation shall be in accordance with the wiring diagram and local codes and regulations through the walk-in units with foam.

Plumbing Contractor  
Plumbing contractor to provide copper drain lines for walk-in refrigerator and freezer, pitched refrigerated space to avoid entrance of warm, moist air.  
All piping to be pressure tested with nitrogen at 300 psi. After the condensing unit and coil have been connected the balance of the system shall be leak tested with the valves open at 200 psi.  
The complete system shall be evacuated with a vacuum pump. Each unit should be charged tested and adjusted to assure operation.  
Contractor should provide and install the drain-line heater in freezer. Heater shall be connected by electrical contractor. Seal all penetrations through the walk-in units with foam.

**APPROVAL STATUS**  
THIS DRAWING REPRESENTS OUR UNDERSTANDING OF THE SPECIFICATIONS. PLEASE REVIEW IT CAREFULLY FOR ACCURACY, CLARITY AND IN DETAIL NOTE CHANGES REQUIRED.  
MARK APPROPRIATE BOX, SIGN, AND DATE BELOW.

☐ APPROVED FOR FABRICATION  
☐ NO CHANGES  
☐ APPROVED FOR FABRICATION  
☐ WITH CHANGES NOTED  
☐ REVISE AND RE-SUBMIT  
☐ DRAWINGS

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

NOTICE

THIS DRAWING BEING AN INSTRUMENT OF SERVICE IS AND WILL REMAIN PROPERTY OF REFRIGERATION DESIGN TECHNOLOGIES AND CANNOT BE USED WITHOUT WRITTEN AUTHORIZATION.

No.	Revision/Issue	Date
0	ORIGINAL ISSUE	9-11-20



Consultant:  
Webb Foodservice Design  
Portland, OR

Dealer:  
-

Rock Creek Elementary School  
Beaverton, OR

25119  
Designed By:  
Z. Rieper  
Drawn By:  
Z. Rieper

11  
of sheets

CLIENT  
Beaverton School District

16550 SW Merlo Rd. Beaverton OR 97003

**COPYRIGHT**  
This drawing has been prepared solely for the intended use. No reproduction or distribution for any purpose other than authorized by IBI Group is forbidden.  
Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and IBI Group shall not be responsible for any dimensions that are not shown, and conditions shown on the drawing. Shop drawings shall be submitted to IBI Group for general confirmation before proceeding with fabrication.

**IBI Group Architects (USA) Inc.**  
is a member of the IBI Group of companies

**ISSUES**

No.	DESCRIPTION	DATE

THIS SHOP DRAWING ON THIS SHEET IS FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE FINAL MANUFACTURER SHOP DRAWINGS SPECIFIC TO THIS PROJECT AS REQUIRED.

NOT FOR CONSTRUCTION

CONSULTANTS

**webb.**  
1530 S. Lewis St. Anaheim, CA 92805  
P 714.508.1880 www.webbfsd.com

SEAL

**IBI GROUP**  
907 SW Harvey Milk Street  
Portland, OR 97205, USA  
tel 503 226 6950 fax 503 273 9192  
ibigroup-usa.com

**PROJECT**  
Rock Creek Elementary School  
Freezer Replacement  
4125 NW 185th Ave  
Portland, OR 97229

**PROJECT NO:**  
126730

**DRAWN BY:**  
PM

**PROJECT MGR:**  
Designer

**SHEET TITLE**  
REFRIGERATION DETAILS

**SHEET NUMBER**  
FS-302

ISSUE

SCALE CHECK  
1 in = 1 ft

SPECIFICATIONS

Indoor combo (with floors)  
Vinyl foam NSF gasket (1/16" joint thickness), Cam-lock layout #4

SPECIAL INSTRUCTIONS  
Standard crating

WALL PANELS

Construction: 4" high density urethane  
Exterior Finish: 20 ga. smooth galv. / 20 ga. stainless steel 304 #4  
Interior Finish: .040 stucco aluminum / 20 ga. stainless steel 304 #4  
Ceiling connections: Camlock  
Floor connections: Camlock

CEILING PANELS

Construction: 4" high density urethane  
Exterior Finish: Metal  
Interior Finish: .040 stucco white aluminum  
Ceiling Caps: Factory mounted  
Live Load: 10 psf

FLOOR PANELS

Model: Hand-Truck Floor panels model #HTFN (NSF)  
Construction: 3 1/2" high density urethane  
w/ .100 diamond tread aluminum @ interior  
over 1/2 " Thermo-Lite  
w/ Metal @ exterior


DOORS

[A]: 36" x 80" flush model G3 self-closing freezer door  
\*\*\* NO WOOD BACKING \*\*\*  
\*\*\* ELECTRICAL COMPONENTS PRE-WIRED \*\*\*  
\*\*\* LEAF WILL NOT BE RAISED UNLESS SPECIFIED OTHERWISE \*\*\*  
Brand: Imperial Brown  
Frame: 4" high density urethane, 3-sided  
w/ 20 ga. stainless steel 304 #4 @ ext.  
w/ .040 stucco aluminum @ int.  
w/ 24 ga. stainless steel 430 (magnetic) liners  
w/ 4-sided heat cable in frame [FL-4-112W]  
(25'-9" x 5 ohms/ft (129 total) @ 4.4 W/ft + Pepi - 120V, 1A)  
Leaf: 4" thick, 3-side lap, standard height  
w/ 20 ga. stainless steel 304 #4 both sides  
w/ Magnetic gasket  
(3) Kason #1245 reversible cam-rise hinge  
(1) Kason #27C cylinder locking deadbolt handle  
(1) Kason #27C 1/4 turn knob inside release  
(1) Kason 'PUSH' pad  
(1) Dorma #8616 FHP 689 door closer  
(1) Modularm 75LC multi-monitor temperature alarm w/IP-1 illum. push button and flush door ajar sensor  
(2) Terminal J-Box @ int.  
(1) Evaporator cut-off switch  
(1) 14" x 24" heated view window (84W, 120V, 0.9A)  
(1) 12 ga. stainless steel threshold  
36" high AFF 14 ga. smooth stainless steel 304 #4 kickplates (leaf, ext. & int.)  
(1) Kason #944 deadbolt w/ re-keyable core upgrade

[B]: (1) 30" x 81" CDS entrance all glass cooler door (smooth silver frame)  
w/ (1) Full length handle

[C]: (1) 30" x 81" CDS entrance all glass cooler door (smooth silver frame)  
w/ (1) Full length handle

[D]: (3) 24" x 75" CDS Advantage FS Series cooler glass door  
w/ 2-pane low E gas filled glass, light switch & controller(s) (smooth silver frame)  
w/ LED lights  
w/ (3) Full length handle  
w/ (1) Energy controller for up to (15) doors  
w/ (1) Dimming motion sensor



NSF LABEL

N. S. F. LISTED (STD #7)

COMPONENT N. S. F. GASKET @ ALL PANEL JOINTS

THE MINIMUM BTU'S SHOWN ARE BASED ON NSF STANDARD #7, SECTION 5, PARAGRAPH 5.36.7, REQUIREMENTS (REF. TABLE 1). THESE NUMBERS ARE NOT INTENDED TO BE USED FOR SIZING OF REFRIGERATION UNITS FOR THIS WALK-IN. IMPERIAL BROWN RECOMMENDS CONSULTING WITH A QUALIFIED ENGINEER OR CONTRACTOR CONTRACTOR.

PARTS

- (1) ea. 4' LED light fixture w/ (2) LED lamps for cooler or freezer application (Keil -36W, 120V, 0.3A) - (Fixture ships loose for field installation.)
- (2) ea. Kason #1803 vapor proof light fixture & E26 LED lamp (11W, 120V, 0.13A) - Cooler (E26 LED lamp included.)
- (1) ea. Low temp Curtron strip curtain for 36" x 80" net opening - w/ 8" strips @ 50.00% overlap
- (1) ea. (2" x 4") x 96" x 20 ga. stainless steel 304 #4 outside corner vertical closure
- (1) ea. (2" x 4") x 48" x 20 ga. stainless steel 304 #4 outside corner vertical closure
- (1) ea. 6" x 96" x 20 ga. stainless steel 304 #4 flat vertical closure
- (1) ea. 6" x 48" x 20 ga. stainless steel 304 #4 flat vertical closure
- (1) set 20 ga. stainless steel 304 #4 removable ceiling closure - Please Verify Closure Dimensions and Requirements  
Estimated Cavity Size = 1' - 6" (18") high x 23' - 7" (283") long
- (7) ea. (2" x 2") x 96" x 18 ga. stainless steel 304 #4 (w/ Simpson Titen screws) Interior seismic tie-down @ floor level
- (10) ea. (2" x 2") x 96" x .040 stucco white aluminum Interior seismic tie-down @ ceiling level

NOTES

Meets 2009 Federal Energy Independence and Security Act Requirements.

STANDARD NOTES

To prevent condensation, a minimum 2" from the walk-in exterior surface is required. High humidity conditions may require force ventilation in addition to clearance.

Installation site floor must be true and level within 3/16" per 10' or additional costs may be incurred.

Imperial Brown's sliding and vertical lift doors shall not be considered means of egress. Check code egress requirements for your application.

RECESSED PIT

Recess plan is provided to set min. size to allow panel installation. Recess depth, concrete floor above and below insulation, design, reinforcement, thickness & construction of concrete should be designed by a Qualified Professional Engineer familiar with cold storage design, the site conditions and end users application. See project contract documents. All concrete and excavation work & design is by others.

ELECTRICAL

Field electrician to verify maximum acceptable load for light switches.If load is too high, then relay type controls should be used.  
After wiring devices, ALL conduits must be sealed to stop moisture transfer through electrical raceways.  
Failure to seal device per NEC codes WILL VOID WARRANTY.

ENGINEERING

Foundation, special inspection, footings, anchor bolt embedment, edge distances and all reinforcing are to be designed by a qualified professional engineer based on concrete strength and specific soil condition at the building site.  
Foundation and freezer pit to be designed for loads designated on plan and/or in engineering calculations.  
All foundation dimensions to be field verified.  
All mechanical unit anchorage and support to be designed by others.  
All connectors or elements in contact with aluminum to be stainless steel (STL/STL).  
If walk-in ceiling is suspended, existing roof structure to be designed by others for loads induced from new walk-ins where shown on plans and/or in engineering calculations.  
Walk-in is designed for code applied loads.  
Design does not include static pressure review.  
Components of all doors, windows, and openings to be designed for loads induced by wind, design by others.  
All loads are service loads.  
Special Inspection is required per IBC 1704 and 1707 for post installed anchor bolts (for California, follow CBC 1704 and 1707).

REVISIONS

- PRELIMINARY DRAWING -

Customer Note: This is a preliminary drawing only. Approving this drawing only indicates that you agree with overall dimensions and door and opening locations. Panel sizes and layout is subject to change. If "Nominal Size" has been quoted, then actual dimensions may end up a bit smaller than drawn herein. Actual dimensions will be shown on subsequent non-preliminary drawings. Should discrepancies be found between drawing and sales order, customer may be asked to approve standard Submittal drawings.  
The customer or their representative in signing these drawings is taking responsibility for overall size and fit around building walls, columns and ceiling restrictions, door locations, openings for equipment supplied by others, specifications and accessories listed.

☐ APPROVED FOR FABRICATION WITH NO CHANGES  
☐ APPROVED FOR FABRICATION WITH CHANGES  
☐ REVISE AND RESUBMIT

Signature: \_\_\_\_\_

20-IB-47156-01

NOT FOR CONSTRUCTION

PRELIMINARY

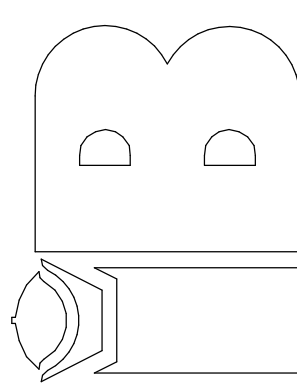
WEBB FOOD SERVICE DESIGN  
- ANAHEIM, CA

ROCK CREEK ELEMENTARY SCHOOL  
- BEAVERTON, OR

NOTE: TO PREVENT CONDENSATION, ALLOW 2" MIN. CLEARANCE AROUND THE EXTERIOR OF WALK-IN DOORS. WALK-INS MUST MAINTAIN RELATIVE HUMIDITY BELOW 65% AND TEMPERATURE BELOW 75°F OR FORCED VENTILATION MAY BE REQUIRED IN ADDITION TO CLEARANCE.

NOTE: FLOORS OF INSTALLATION SITES SHALL BE TRUE AND LEVEL WITHIN 3/16" PER 10' OR ADDITIONAL COSTS MAY BE INCURRED.

NOTE: MANUFACTURER IS NOT RESPONSIBLE FOR ELECTRICAL, PLUMBING, PERMITS OR CONCRETE WORK UNLESS LISTED ON THE QUOTE.



IMPERIAL BROWN  
198 SE 233rd Ave.  
Gresham, OR 97030  
Phone: 503-665-2558  
Fax: 503-665-2028  
www.imperial-brown.com

REV #	DATE	BY
1		
2		
3		
4		
5		

DO NOT SCALE THIS DRAWING

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

DATE DRAWN: 8/20/2020  
DATE PRINTED: 9/17/2020  
BY: KVL  
CHK'D BY:

DRW#: 20-IB-47156-01  
BOX: 1 OF 1  
SHEET: 1 OF 5

CLIENT  
Beaverton School District

16550 SW Merlo Rd. Beaverton OR 97003

COPYRIGHT  
This drawing has been prepared solely for the intended use, thus any reproduction or distribution for any purpose other than authorized by IBI Group is forbidden.  
Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and IBI Group shall not be responsible for any dimensions and conditions shown on the drawing. Shop drawings shall be submitted to IBI Group for general confirmation before proceeding with fabrication.

IBI Group Architects (USA) Inc  
is a member of the IBI Group of companies

ISSUES	DESCRIPTION	DATE
No.		
THIS SHOP DRAWING ON THIS SHEET IS FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE FINAL MANUFACTURER SHOP DRAWINGS SPECIFIC TO THIS PROJECT AS REQUIRED.		

NOT FOR CONSTRUCTION

CONSULTANTS



1530 S. Lewis St. Anaheim, CA 92805  
P 714.508.1880 www.webbfds.com

SEAL



IBI GROUP  
907 SW Harvey Milk Street  
Portland, OR 97205, USA  
tel 503 226 6950 fax 503 273 9192  
ibigroup-usa@ibigroup.com

PROJECT  
Rock Creek Elementary School  
Freezer Replacement  
4125 NW 185th Ave  
Portland, OR 97229

PROJECT NO: 126730	
DRAWN BY: PM	CHECKED BY: RS
PROJECT MGR: Designer	APPROVED BY: Approver
SHEET TITLE WALK-IN DETAILS	

SHEET NUMBER FS-303	ISSUE
------------------------	-------



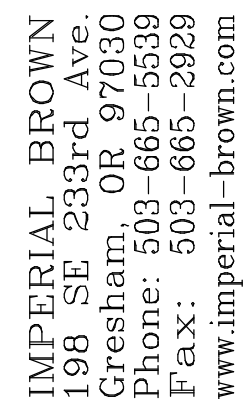
SEAL

ISSUE



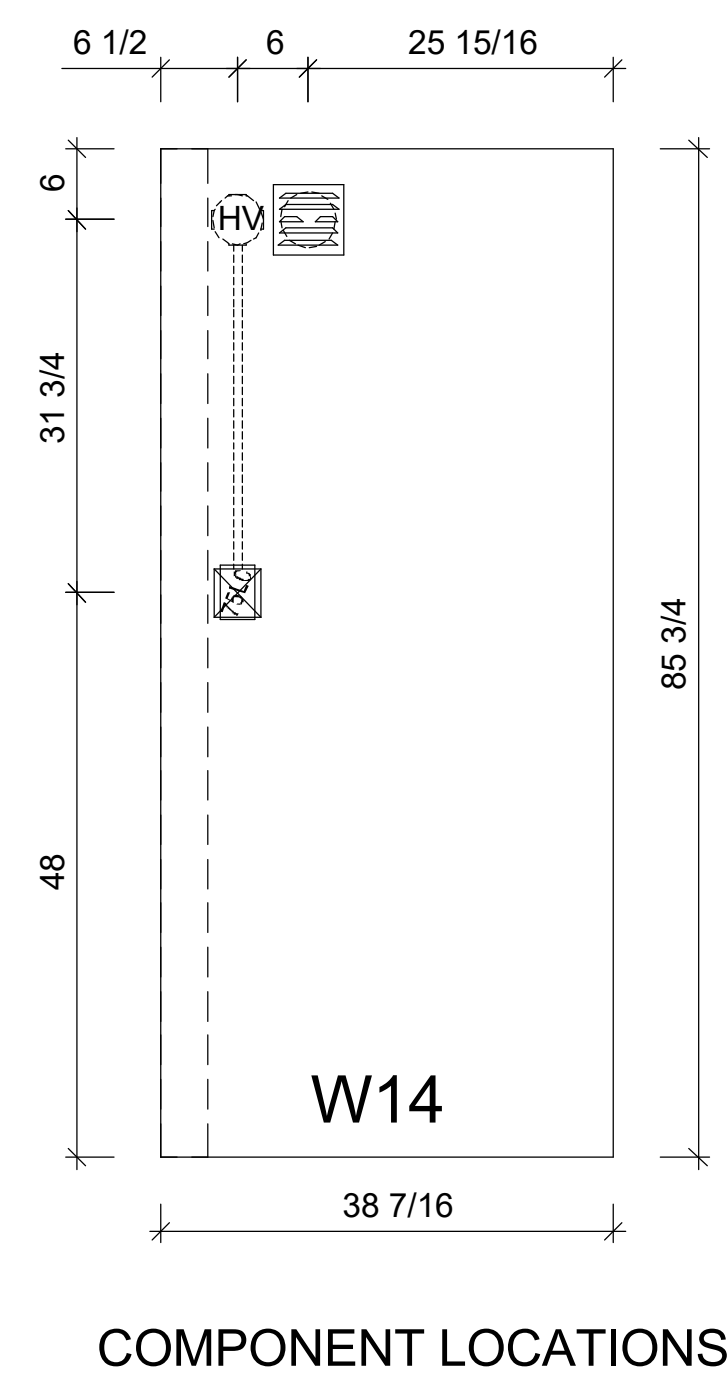
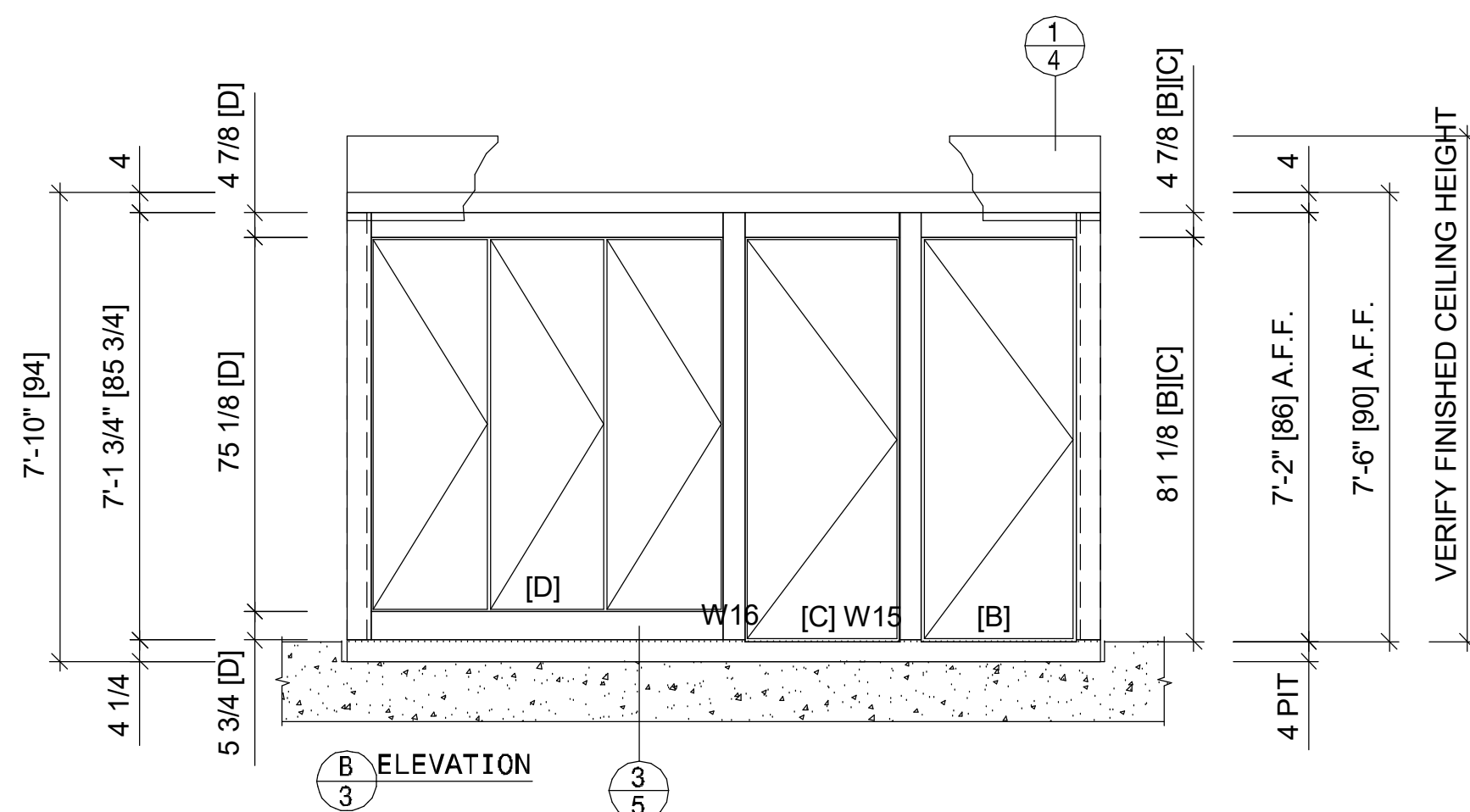
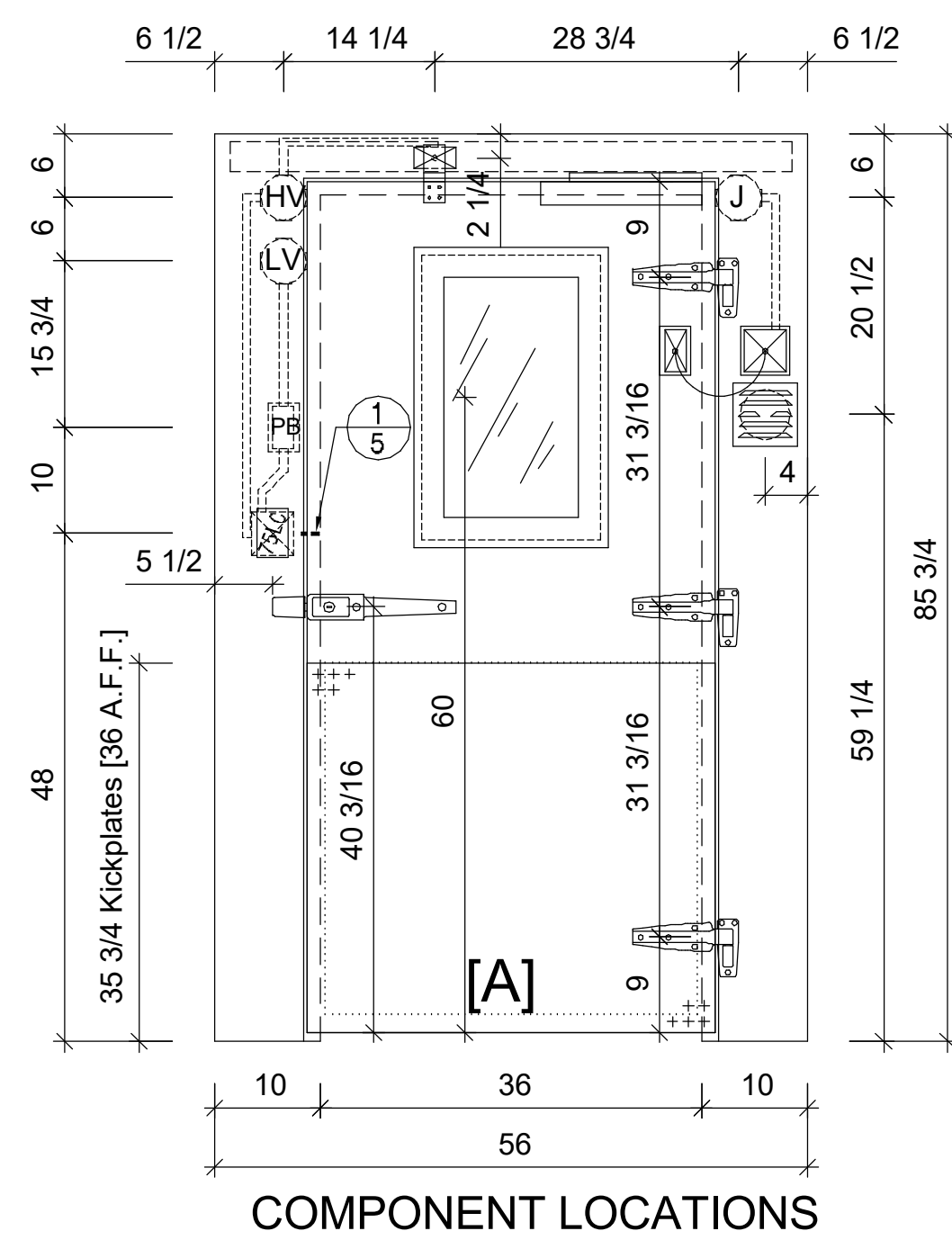
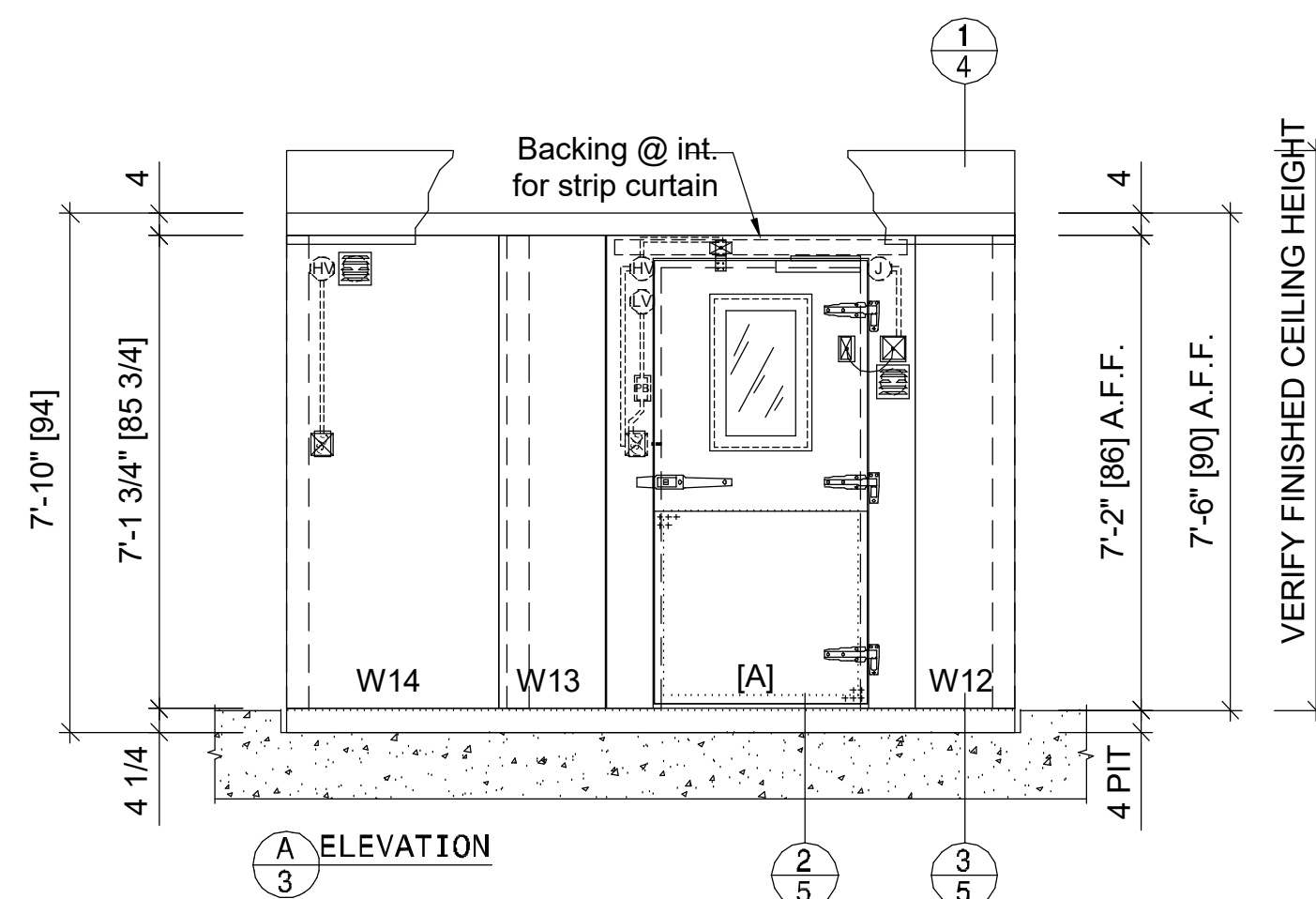
# PRELIMINARY

NOTE: MANUFACTURER IS NOT RESPONSIBLE FOR ELECTRICAL, PLUMBING, PERMITS OR CONCRETE WORK UNLESS LISTED ON THE QUOTE.



DRW#: 20-IB-47156-01  
BOX: 1 OF 1  
SHEET: 2 OF 5

in



20-IB-47156-01  
NOT FOR CONSTRUCTION  
PRELIMINARY


WEBB FOOD SERVICE DESIGN  
- ANAHEIM, CA

ROCK CREEK ELEMENTARY SCHOOL  
- BEAVERTON, OR

NOTE: TO PREVENT CONDENSATION, ALLOW 2" MIN. CLEARANCE AROUND THE EXTERIOR OF INDOOR WALK-INS. MAINTAIN RELATIVE HUMIDITY BELOW 55% AND TEMPERATURE BELOW 75°F. OR FORCED VENTILATION MAY BE REQUIRED IN ADDITION TO CLEARANCE.

NOTE: FLOORS OF INSTALLATION SITES SHALL BE TRUE AND LEVEL WITHIN 3/16" PER 10' OR ADDITIONAL COSTS MAY BE INCURRED.

NOTE: MANUFACTURER IS NOT RESPONSIBLE FOR ELECTRICAL, PLUMBING, PERMITS OR CONCRETE WORK UNLESS LISTED ON THE QUOTE.



**IMPERIAL BROWN**  
198 SE 233rd Ave.  
Gresham, OR 97030  
Phone: 503-665-5539  
Fax: 503-665-2929  
[www.imperial-brown.com](http://www.imperial-brown.com)

REV#	DATE	BY
1		
2		
3		
4		
5		

DO NOT SCALE THIS DRAWING

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

DATE DRAWN: 8/20/2020  
DATE PRINTED: 9/17/2020  
BY: KWL

CHK'D BY:

DRW#:	20-IB-47156-01		
BOX:	1	OF	1
SHEET:	3	OF	5

CLIENT  
Beaverton School District

16550 SW Merlo Rd. Beaverton OR 97003

**COPYRIGHT**  
This drawing has been prepared solely for the intended use, thus any reproduction or distribution for any purpose other than authorized by IBI Group is forbidden. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and IBI Group shall be informed of any variations from the dimensions and conditions shown on the drawing. Shop drawings shall be submitted to IBI Group for general

**IBI Group Architects (USA) Inc**  
is a member of the IBI Group of companies

ISSUES		
No.	DESCRIPTION	DATE

THIS SHOP DRAWING ON THIS SHEET IS FOR  
REFERENCE ONLY. CONTRACTOR TO PROVIDE  
FINAL MANUFACTURER SHOP DRAWINGS  
SPECIFIC TO THIS PROJECT AS REQUIRED.

**NOT FOR  
CONSTRUCTION**

CONSULTANTS



1530 S. Lewis St. Anaheim, CA 92805  
P 714.508.1880 [www.webbfsd.com](http://www.webbfsd.com)

SEAL



PROJECT  
Rock Creek Elementary School  
Freezer Replacement  
4125 NW 185th Ave  
Portland, OR 97229

PROJECT NO:

126730  
DRAWING

CHECKED BY:
-------------

PM	RS
PROJECT MGR: Designer	APPROVED BY: Approver

SHEET TITLE  
WALK-IN DETAILS

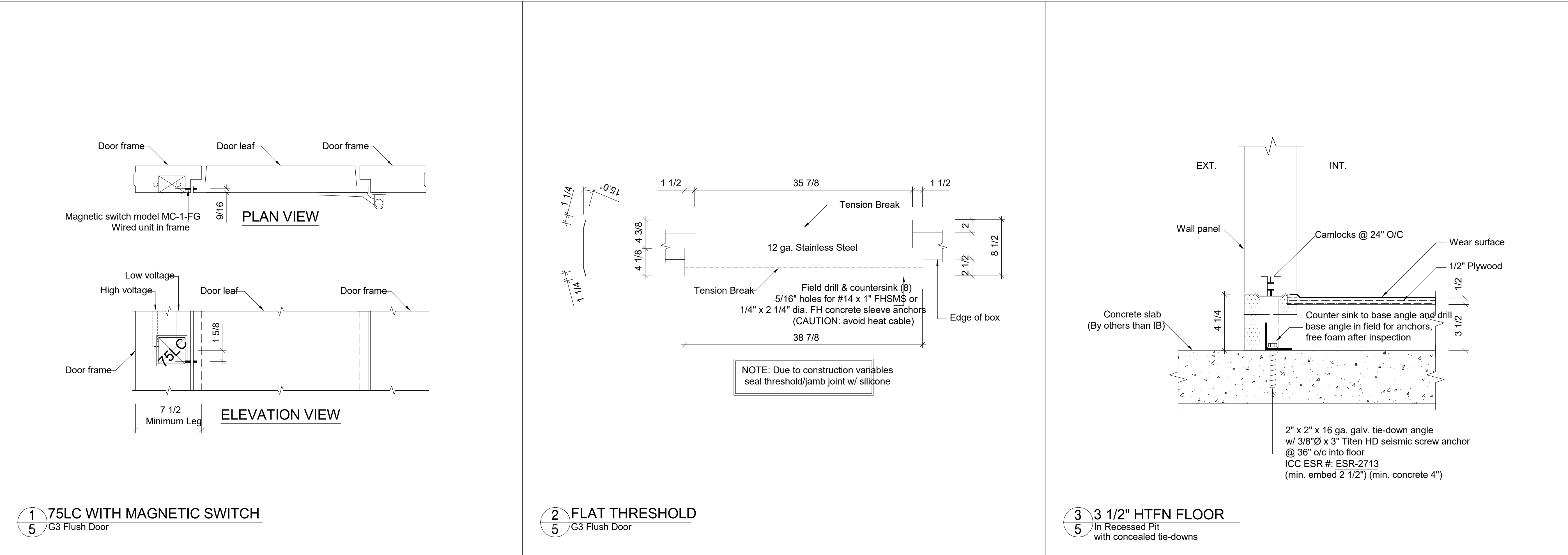
SHEET NUMBER

FS-305

	ISSUE
--	-------







1 75LC WITH MAGNETIC SWITCH  
5 G3 Flush Door

2 FLAT THRESHOLD  
5 G3 Flush Door

3 3 1/2" HTFN FLOOR  
5 In Recessed Pit with concealed tie-downs

20-IB-47156-01

NOT FOR CONSTRUCTION

PRELIMINARY

WEBB FOOD SERVICE DESIGN  
- ANAHEIM, CA  
- BEAVERTON, OR

NOTE: TO PREVENT CONDENSATION, ALLOW 2" MIN. CLEARANCE AROUND THE EXTERIOR OF DOOR LEAF. MAINTAIN RELATIVE HUMIDITY BELOW 45% AND TEMPERATURE BELOW 75°F OR FORCED VENTILATION MAY BE REQUIRED IN ADDITION TO CLEARANCE.  
NOTE: FLOORS OF INSTALLATION SITES SHALL BE TRUE AND LEVEL WITHIN 3/16" PER 10' OR ADDITIONAL COSTS MAY BE INCURRED.  
NOTE: MANUFACTURER IS NOT RESPONSIBLE FOR ELECTRICAL, PLUMBING, PERMITS OR CONCRETE WORK UNLESS LISTED ON THE QUOTE.

IMPERIAL BROWN  
198 SE 233rd Ave.  
Gresham, OR 97030  
Phone: 503-665-5588  
Fax: 503-665-2028  
www.imperial-brown.com

REV #	DATE	BY
1		
2		
3		
4		
5		

DO NOT SCALE THIS DRAWING

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

DATE DRAWN: 8/20/2020  
DATE PRINTED: 9/17/2020  
BY: KWL  
CHK'D BY:

DRW#: 20-IB-47156-01  
BOX: 1 OF 1  
SHEET: 5 OF 5

CLIENT  
Beaverton School District

16550 SW Merlo Rd. Beaverton OR 97003

**COPYRIGHT**  
This drawing has been prepared solely for the intended use, and any reproduction or distribution for any purpose other than authorized by IBI Group is prohibited. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and IBI Group shall not be responsible for any errors, omissions, and conditions shown on the drawing. Shop drawings shall be submitted to IBI Group for general confirmation before proceeding with fabrication.

**IBI Group Architects (USA) Inc**  
is a member of the IBI Group of companies

ISSUES	No.	DESCRIPTION	DATE
THIS SHOP DRAWING ON THIS SHEET IS FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE FINAL MANUFACTURER SHOP DRAWINGS SPECIFIC TO THIS PROJECT AS REQUIRED.			

NOT FOR CONSTRUCTION

CONSULTANTS

**webb.**

1530 S. Lewis St. Anaheim, CA 92805  
P 714.508.1880 www.webbfds.com

SEAL

**IBI GROUP**  
907 SW Harvey Milk Street  
Portland, OR 97205, USA  
tel 503 226 6950 fax 503 273 9192  
ibigroup-usa.com

PROJECT  
Rock Creek Elementary School  
Freezer Replacement  
4125 NW 185th Ave  
Portland, OR 97229

PROJECT NO: 126730	CHECKED BY: RS
DRAWN BY: PM	APPROVED BY: Approver
PROJECT MGR: Designer	

SHEET TITLE  
WALK-IN DETAILS

SHEET NUMBER  
FS-307

ISSUE



PLUMBING SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

Abbreviations

AFF ABOVE FINISHED FLOOR  
AP ACCESS PANEL  
& AND  
@ AT  
BFF BELOW FINISHED FLOOR  
BLDG BUILDING  
CD CLEANOUT  
CW COLD WATER  
CD CONDENSATE DRAIN  
CONT. CONTINUATION  
(X) DEMOLISH  
DN DOWN  
D DRAIN  
DFU DRAINAGE FIXTURE UNIT  
DWV DRAINAGE, WASTE AND VENT  
(E) EXISTING  
FT FEET  
FFE FINISHED FLOOR ELEVATION  
FCO FLOOR CLEANOUT  
FD FLOOR DRAIN  
' FOOT, FEET  
HW HOT WATER  
HWFU HOT WATER FIXTURE UNIT  
IN, " INCHES  
IW INDIRECT WASTE  
INV INVERT ELEVATION  
MIN MINIMUM  
(N) NEW  
N NORTH  
NIC NOT IN CONTRACT  
NTS NOT TO SCALE  
# NUMBER  
NO. NUMBER  
OFCI OWNER FURNISHED, CONTRACTOR INSTALLED  
OFOI OWNER FURNISHED, OWNER INSTALLED  
PLBG PLUMBING  
P PLUMBING, PUMP  
POC POINT OF CONNECTION  
PSI POUNDS PER SQUARE INCH  
PD PRESSURE DROP, PLUMBING DEMOLITION, PUMPED DISCHARGE  
QTY QUANTITY  
SAN SANITARY  
SHT SHEET  
SA SHOCK ARRESTOR  
SOV SHUT OFF VALVE  
SF SQUARE FEET  
SP SUMP PUMP, STATIC PRESSURE  
TEMP TEMPERATURE  
TP TRAP PRIMER, TOTAL PRESSURE  
TYP TYPICAL  
V VACUUM, VENT, VOLT  
VTR VENT THRU ROOF  
WCO WALL CLEANOUT  
W WASTE  
WC WATER COLUMN, WATER CLOSET  
WHA WATER HAMMER ARRESTOR  
WI WITH

General

CONTINUATION  
EXTENT OF DEMOLITION  
FIXTURE TAG (LEVEL BELOW FIXTURE)  
KEYED NOTE  
POINT OF CONNECTION  
DEMOLISH  
EXISTING WORK  
NEW WORK  
PIPE OR CONDUIT BELOW GRADE

Piping Fittings

ACCESS PANEL  
BLIND FLANGE  
CAP  
CONCENTRIC REDUCER  
ECCENTRIC REDUCER  
FLOOR CLEANOUT  
FLOOR DRAIN  
FLOOR SINK  
FLOW DIRECTION  
PIPE DROP  
PIPE RISE  
TEE DOWN ON PIPE  
TEE UP ON PIPE

Piping Systems

COLD WATER PIPING  
CONDENSATE / INDIRECT DRAIN PIPING  
HOT WATER PIPING  
SANITARY VENT PIPING  
SANITARY WASTE OR SOIL PIPING ABOVE GRADE OR FINISHED FLOOR  
SANITARY WASTE OR SOIL PIPING BELOW GRADE OR FINISHED FLOOR  
TRAP PRIMER PIPING

Valves

SHUTOFF VALVE, GENERAL

GENERAL PLUMBING NOTES

A. FIELD COORDINATE EXACT ROUTING OF KITCHEN EQUIPMENT CONDENSATE DRAINS.

PLUMBING FIXTURE SCHEDULE

PLUMBING FIXTURE SCHEDULE										
SYMBOL	FIXTURE TYPE	DESCRIPTION	BASIS OF DESIGN			CONNECTION				NOTES
			MFR	MODEL	ACCESSORIES	W	V	CW	HW	
FS-1	FLOOR SINK	PVC FLANGED RECEPTOR, SEEPAGE HOLES, ACID RESISTANT, DOME BOTTOM STRAINER 305-12 ARCIG GRATE, 6-INCH DEEP	JR SMITH	305-14		3"	1-1/2"	PRIMER CONN.	--	

SHEET INDEX

P0000 SYMBOL LIST AND GENERAL NOTES - PLUMBING  
P1101 FLOOR PLANS - PLUMBING

CLIENT  
Beaverton School District

16550 SW Merlo Rd, Beaverton OR 97003

COPYRIGHT  
This drawing has been prepared solely for the intended use, and any reproduction or distribution for any purpose other than authorized by IBI Group is prohibited. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and IBI Group shall not be liable for any variations from the dimensions and conditions shown on the drawing. Shop drawings shall be submitted to IBI Group for general confirmation before proceeding with fabrication.

IBI Group Architects (USA) Inc  
is a member of the IBI Group of companies

ISSUES		
No.	DESCRIPTION	DATE
A	BID DOCUMENTS	11/20/2020

CONSULTANTS

SEAL



INTERFACE  
ENGINEERING

PROJECT 2020-0362  
CONTACT TODD KOLIBABA  
100 SW Main Street, Suite 1600  
Portland, OR 97204  
TEL 503.382.2266  
www.interfaceengineering.com

IBI GROUP  
907 SW Harvey Milk Street  
Portland, OR 97205, USA  
tel 503.226.6950 fax 503.273.9192  
ibigroup-usa.com

PROJECT

Rock Creek ESF  
4125 NW 185th Ave  
Portland, OR 97229

PROJECT NO:  
126730

DRAWN BY: TK	CHECKED BY: JMM
PROJECT MGR: MKO	APPROVED BY: JMM

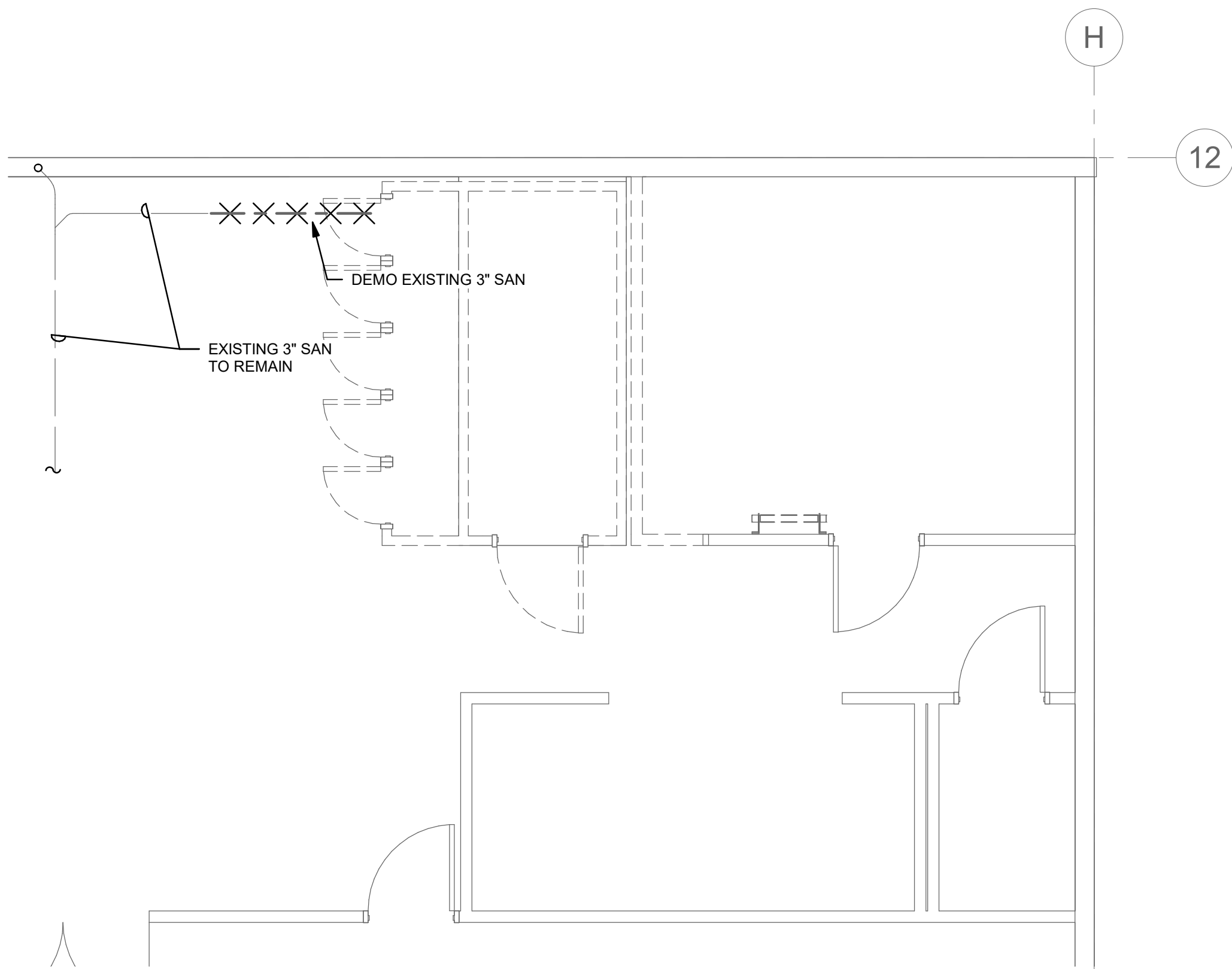
SHEET TITLE  
SYMBOL LIST AND GENERAL  
NOTES - PLUMBING

SHEET NUMBER

P0000

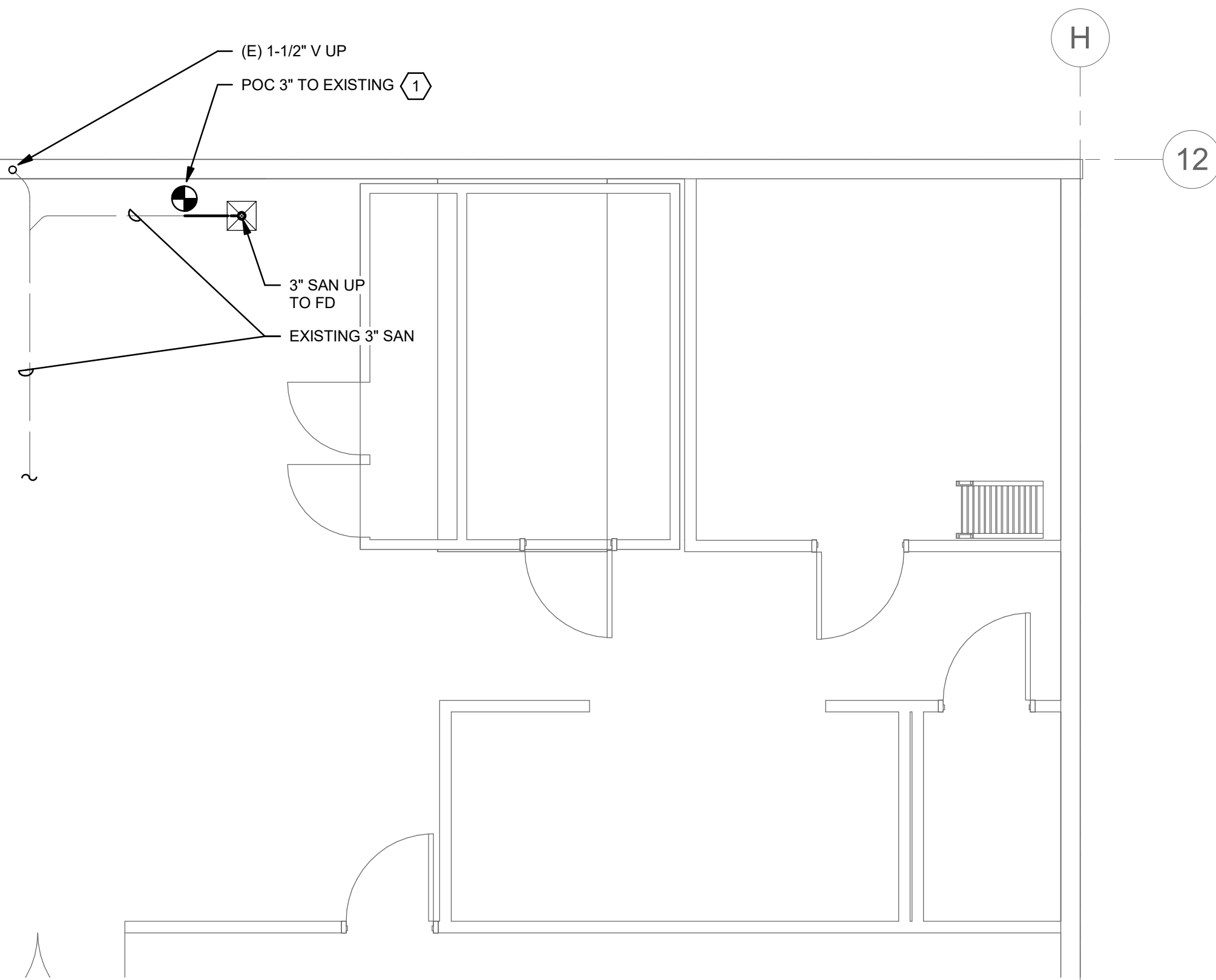
ISSUE

11/17/2020 4:12:37 PM



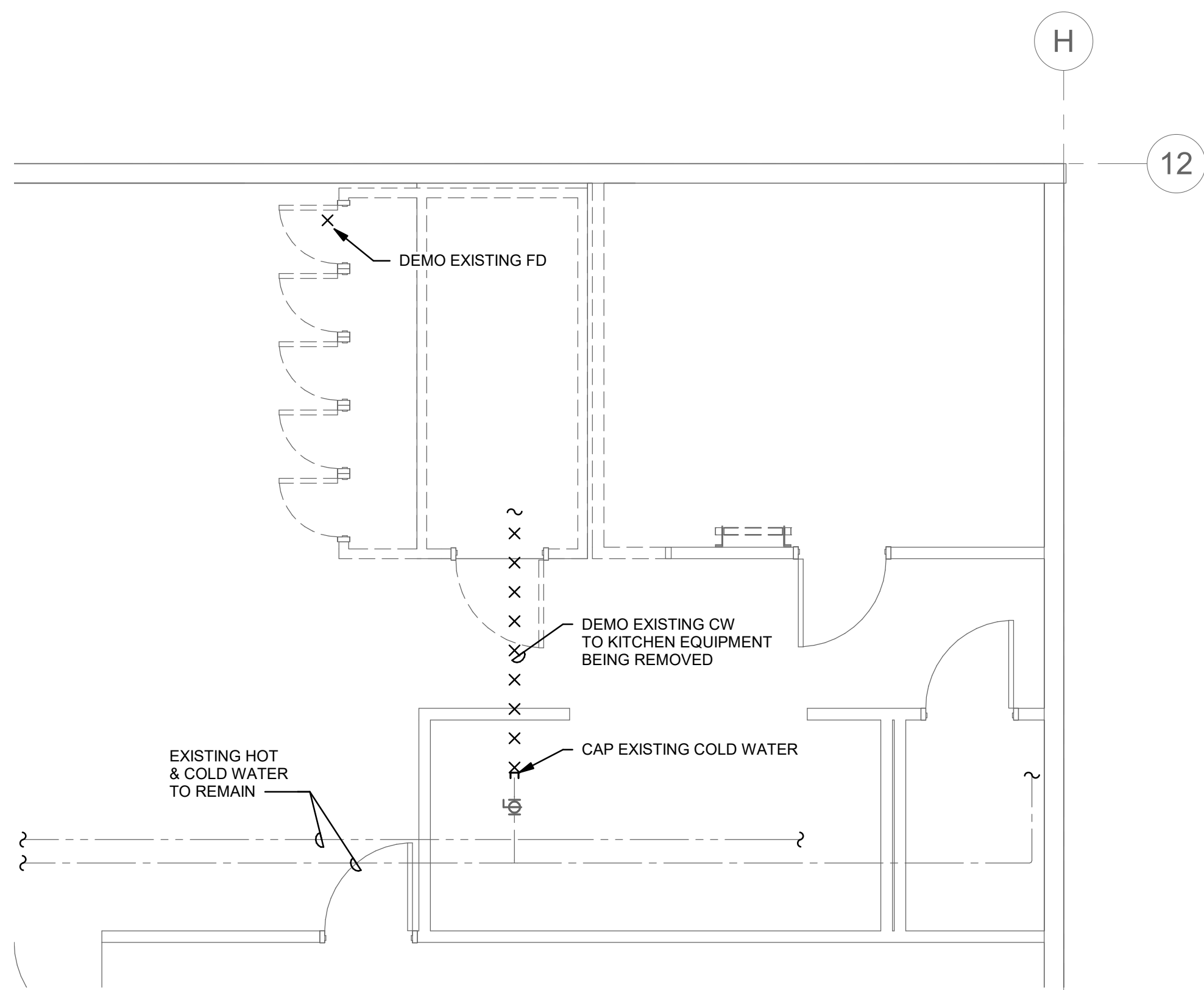
1 UNDERGROUND DEMO PLAN - PLUMBING

0' 2' 4' 8'  
1/4" = 1'-0"



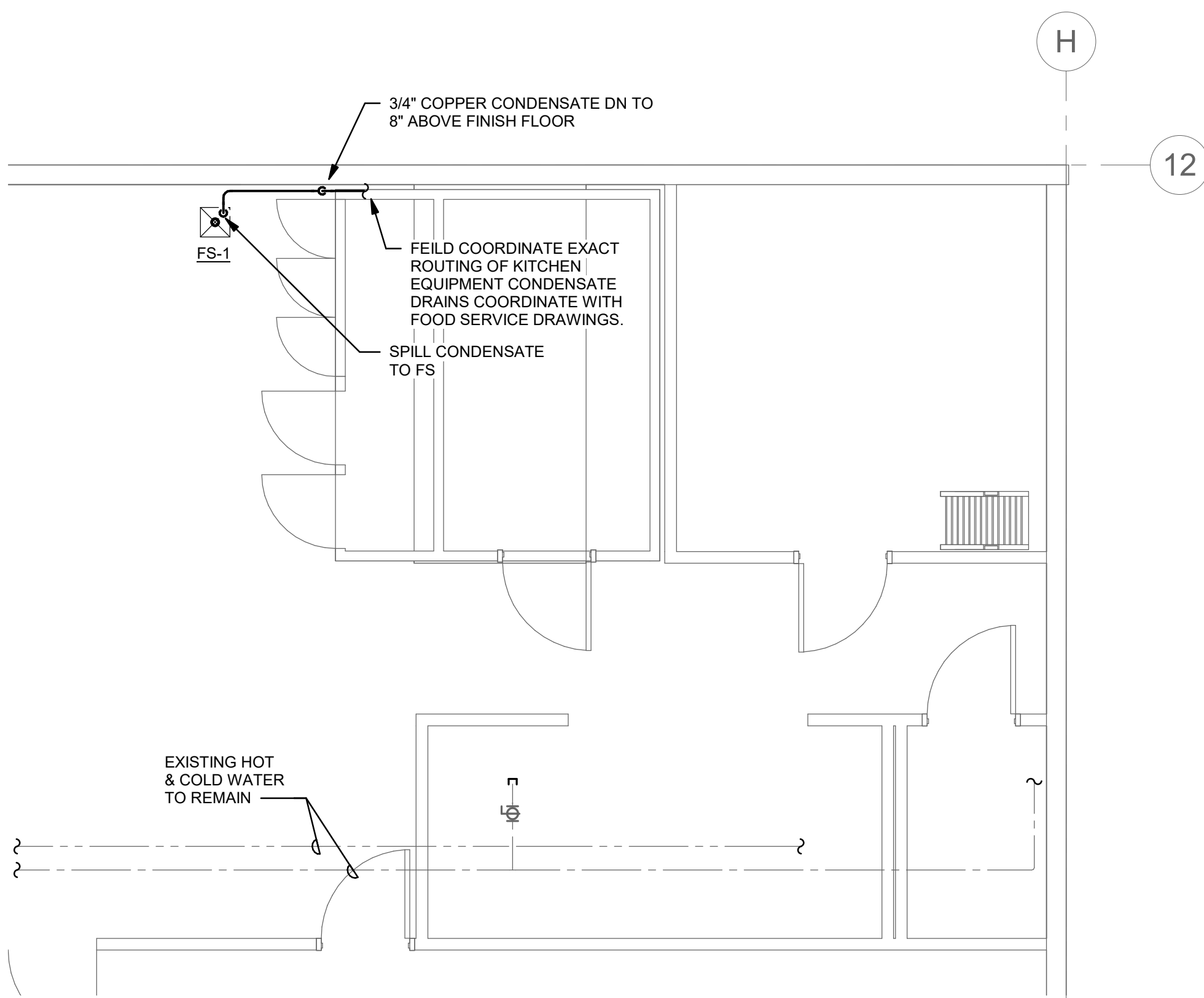
2 UNDERGROUND PLAN - PLUMBING

0' 2' 4' 8'  
1/4" = 1'-0"



3 LEVEL 01 DEMO FLOOR PLAN - PLUMBING

0' 2' 4' 8'  
1/4" = 1'-0"



4 LEVEL 01 FLOOR PLAN - PLUMBING

0' 2' 4' 8'  
1/4" = 1'-0"



## SHEET KEYNOTES

1 CONTRACTOR TO FIELD VERIFY EXISTING SANITARY I.E.

CLIENT  
Beaverton School District

16550 SW Merlo Rd. Beaverton OR 97003

**COPYRIGHT**  
This drawing has been prepared solely for the intended use. No reproduction or distribution for any purpose other than authorized by IBI Group is allowed. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and IBI Group shall not be liable for any variations from the dimensions and conditions shown on the drawing. Shop drawings shall be submitted to IBI Group for general confirmation before proceeding with fabrication.

IBI Group Architects (USA) Inc  
is a member of the IBI Group of companies

ISSUES		
No.	DESCRIPTION	DATE
A	BID DOCUMENTS	11/20/2020

CONSULTANTS

SEAL



**INTERFACE**  
ENGINEERING

PROJECT 2020-0362  
CONTACT TODD KOLIBABA  
100 SW Main Street, Suite 1600  
Portland, OR 97204  
TEL 503.382.2266  
www.interfaceengineering.com



PROJECT  
**Rock Creek ESF**  
4125 NW 185th Ave  
Portland, OR 97229

PROJECT NO:

126730

DRAWN BY:

TK

PROJECT MGR:

MKO

CHECKED BY:

JMM

APPROVED BY:

JMM

SHEET TITLE  
**FLOOR PLANS - PLUMBING**

SHEET NUMBER

**P1101**

ISSUE

Scale: Check  
1/16" = 1'-0"









NOTE: This is a standard symbol list and not all items listed may be used.

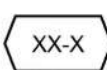

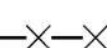

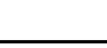

Abbreviations

AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AWG	AMERICAN WIRE GAUGE
A	AMPERES, AMBER
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AVAILABLE INTERRUPTING CAPACITY
CA	CABLE
CAT	CATEGORY
CLG	CEILING
C	CONDUIT, CLOSE, CONTROL
COORD	COORDINATE
CU	COPPER
(X)	DEMOLISH
DTL	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DN	DOWN
DWG	DRAWING
EA	EACH
EMT	ELECTRICAL METALLIC TUBING
EL	ELEVATION
E	EMERGENCY
EF	EXHAUST FAN
(E)	EXISTING
FA	FIRE ALARM
FMC	FLEXIBLE METAL CONDUIT
FT	FOOT, FEET
FBO	FURNISHED BY OTHERS
G, GND	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
HT	HEIGHT
ID	IDENTIFICATION
IN	INCH, INCHES
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
KVA	KILOVOLT AMPERES
KW	KILOWATT
LED	LIGHT EMITTING DIODE
LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
LV	LOW VOLTAGE
MOCP	MAXIMUM OVERCURRENT PROTECTION
MIN	MINIMUM
MCA	MINIMUM CIRCUIT AMPS
MISC	MISCELLANEOUS
MT, MTD	MOUNT, MOUNTED
NEC	NATIONAL ELECTRIC CODE
NESC	NATIONAL ELECTRIC SAFETY CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
N	NEUTRAL
N/A	NOT APPLICABLE
N.I.C	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
PNL	PANEL
PH	PHASE
PWR	POWER
QTY	QUANTITY
(R)	RELOCATE
RFI	REQUEST FOR INFORMATION
REQD	REQUIRED
RM	ROOM
SHT	SHEET
STD	STANDARD
TBD	TO BE DETERMINED
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
V	VOLTS, VOLTAGE
WP	WEATHERPROOF
W/	WITH
W/O	WITHOUT



Connections / Equipment

	HEAVY DUTY FUSED DISCONNECT SWITCH
	MOTOR CONNECTION
	NON-FUSED DISCONNECT SWITCH
	CEILING MOUNTED JUNCTION BOX
	FLOOR MOUNTED JUNCTION BOX
	WALL-MOUNTED JUNCTION BOX

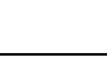




General

	EQUIPMENT IDENTIFICATION
	KEYED NOTE
	DEMOLISH
	EXISTING WORK
	NEW WORK
	WALL MOUNTED LUMINAIRE



Miscellaneous

	BRANCH CIRCUIT WIRING. ARROW INDICATES HOME RUN TO PANEL WITH CIRCUITS AS NOTED. WIRE SIZE IS #12 AWG MINIMUM UNLESS NOTED OTHERWISE. SHORT TICK MARKS INDICATE PHASE CONDUCTORS. LONG TICK MARKS INDICATE NEUTRAL CONDUCTORS. A SINGLE CURVED TICK MARK INDICATES INSULATED GREEN GROUND CONDUCTOR. SECOND CURVED TICK MARK INDICATES "ISOLATED GROUND" (GREEN INSULATION WITH YELLOW STRIPE) CONDUCTOR.
	FLUSH WALL MOUNTED BRANCH PANEL

Raceways

	CONDUIT CONCEALED IN WALL OR CEILING SPACE
	CONDUIT ELLED DOWN
	CONDUIT ELLED UP
	CONDUIT/WIRING CONTINUATION
	FLEXIBLE CONDUIT

Switches and Receptacles

	DUPLEX RECEPTACLE (MULTIPLE LETTERS INDICATE MULTIPLE OPTIONS) A = ABOVE COUNTER C = FLUSH CEILING MOUNTED G = GROUND FAULT CIRCUIT INTERRUPTER W = WEATHERPROOF CONTINUOUS USE COVER, GFCI PROTECTED, WITH WEATHER-RESISTANT RECEPTACLE
	SINGLE POLE SWITCH L = LIGHTED HANDLE M = MANUAL MOTOR STARTER WITH THERMAL OVERLOAD W = WEATHERPROOF SWITCH

GENERAL ELECTRICAL NOTES

- A. IT IS THE INTENT OF THESE DOCUMENTS TO PROVIDE FOR ALL NECESSARY ADJUSTMENTS TO THE ELECTRICAL SYSTEM TO MEET CODE AND TO ACCOMMODATE THE INSTALLATION OF NEW WORK.
- B. PROTECT EXISTING UTILITIES THAT PASS THRU AND EXTEND BEYOND THE LIMITS OF CONSTRUCTION. PROVIDE NEW RACEWAY, CONDUCTORS, SUPPORTS, BRACING ETC. AS REQUIRED TO MAINTAIN SERVICES.
- C. EXISTING UTILITIES ARE TO REMAIN OPERATIONAL DURING CONTRUCTION. COORDINATE REQUIRED SHUTDOWN(S) WITH OWNER PRIOR TO ANY INTERRUPTIONS.

KITCHEN EQUIPMENT CONNECTION SCHEDULE						
ITEM	DESCRIPTION	VOLTS / PHASE	LOAD	WIRE / CONDUIT	CIRCUIT	NOTES
C-COMP	RETAIL COOLER - CU	208/3	11.2 A	203	K-7	1
C-EVAP	RETAIL COOLER - EVAP	120/1	1.6 A	202	LP-C-29.	2
F-COMP	WALK-IN FREEZER - CU	208/3	12.8 A	203	K-5.	1
F-EVAP	WALK-IN FREEZER - EVAP	208/1	10.1 A	202	LP-C-28.30.	3
GENERAL KITCHEN EQUIPMENT CONNECTION SCHEDULE NOTES						
A.	REFER TO KITCHEN CONSULTANT DRAWINGS FOR EXACT LOCATIONS AND CONNECTION TYPES. COORDINATE CONNECTION WITH SUPPLIED EQUIPMENT AND VENDOR DRAWINGS.					
KITCHEN EQUIPMENT CONNECTION SCHEDULE NOTES						
1	REUSE EXISTING 20A/3P BREAKER.					
2	REUSE EXISTING 20A/1P BREAKER.					
3	REPLACE EXISTING 20A/1P SPARE BREAKER AND SPACE WITH (1) NEW 20A/2P BREAKER. MATCH EXISTING MANUFACTURER AND AIC RATING.					
WIRE / CONDUIT SCHEDULE						
202	2 #12 CU, 1 #12 CU GND., IN 3/4" C.					
203	3 #12 CU, 1 #12 CU GND., IN 3/4" C.					

SHEET INDEX

E0000	SYMBOL LIST AND GENERAL NOTES - ELECTRICAL
E1101	FLOOR PLANS - ELECTRICAL

CLIENT

Beaverton School District

16550 SW Merlo Rd. Beaverton OR 97003

COPYRIGHT

This drawing has been prepared solely for the intended use. No reproduction or distribution for any purpose other than authorized by IBI Group is forbidden. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and IBI Group shall be relieved of any obligation with respect to the dimensions and conditions shown on the drawing. Shop drawings shall be submitted to IBI Group for general confirmation before proceeding with fabrication.

IBI Group Architects (USA) Inc  
is a member of the IBI Group of companies

ISSUES

No.	DESCRIPTION	DATE
A	BID DOCUMENTS	11/20/2020

CONSULTANTS

SEAL



INTERFACE  
ENGINEERING

PROJECT 2020-0362  
CONTACT HUONG NGUYEN  
100 SW Main Street, Suite 1600  
Portland, OR 97204  
TEL: 503.382.2266  
www.interfaceengineering.com



IBI GROUP  
907 SW Harvey Milk Street  
Portland, OR 97205, USA  
tel 503 226 6950 fax 503 273 9192  
ibi@group-edinw.com

PROJECT

Rock Creek ESF  
4125 NW 185th Ave  
Portland, OR 97229

PROJECT NO:  
126730

DRAWN BY:

HN

CHECKED BY:

MKO

PROJECT MGR:

MKO

APPROVED BY:

MKO

SHEET TITLE

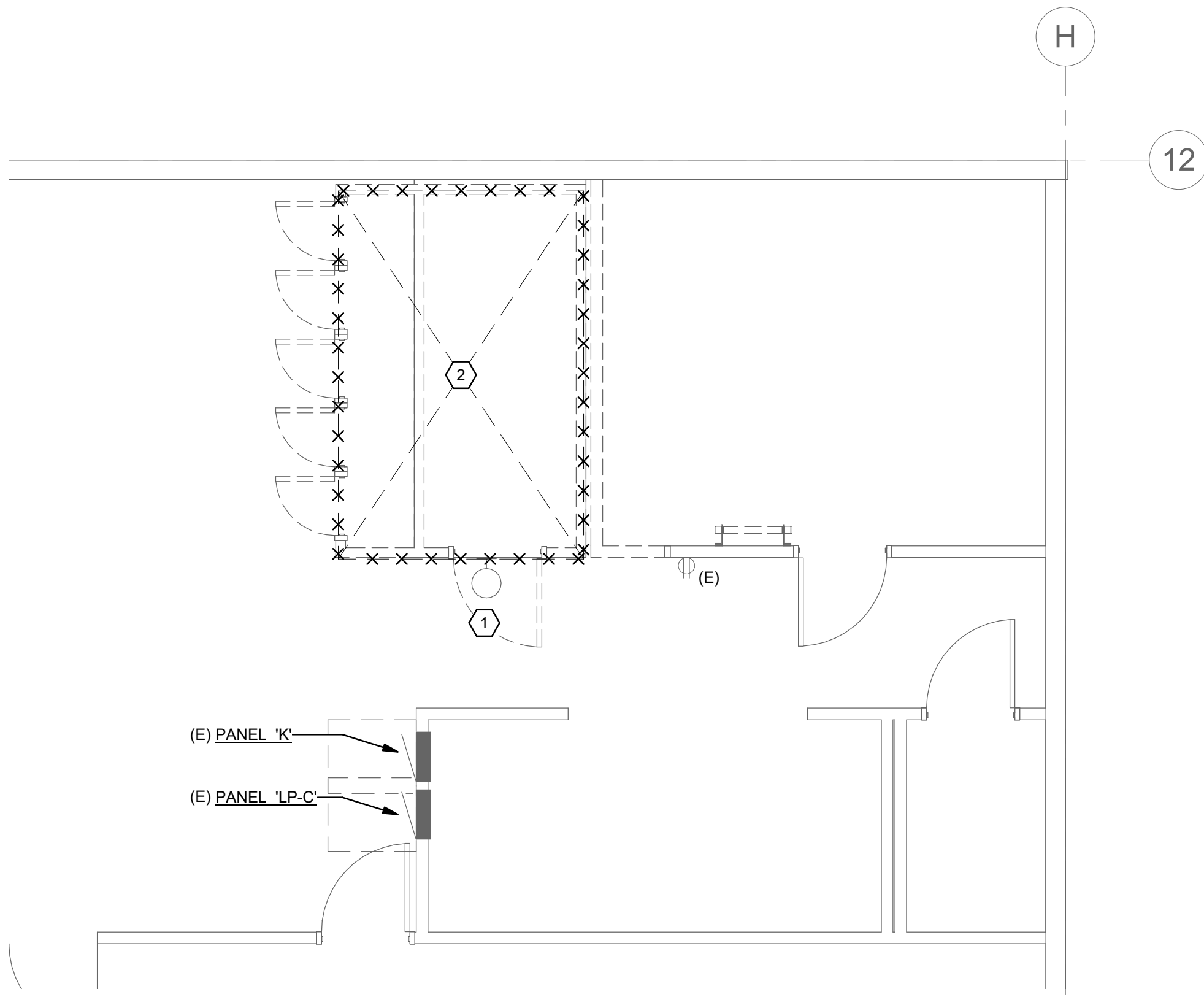
SYMBOL LIST AND GENERAL  
NOTES - ELECTRICAL

SHEET NUMBER

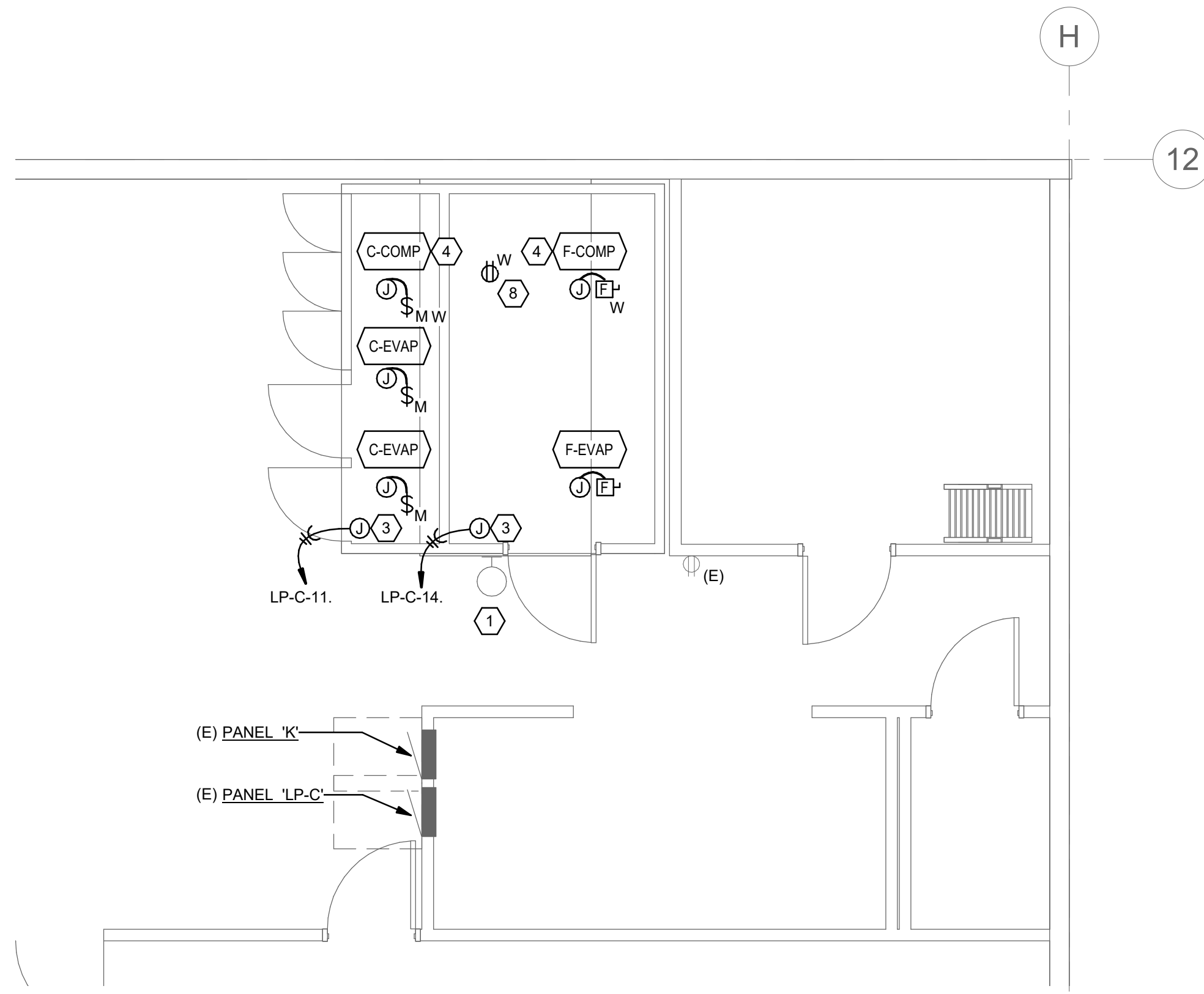
E0000

ISSUE

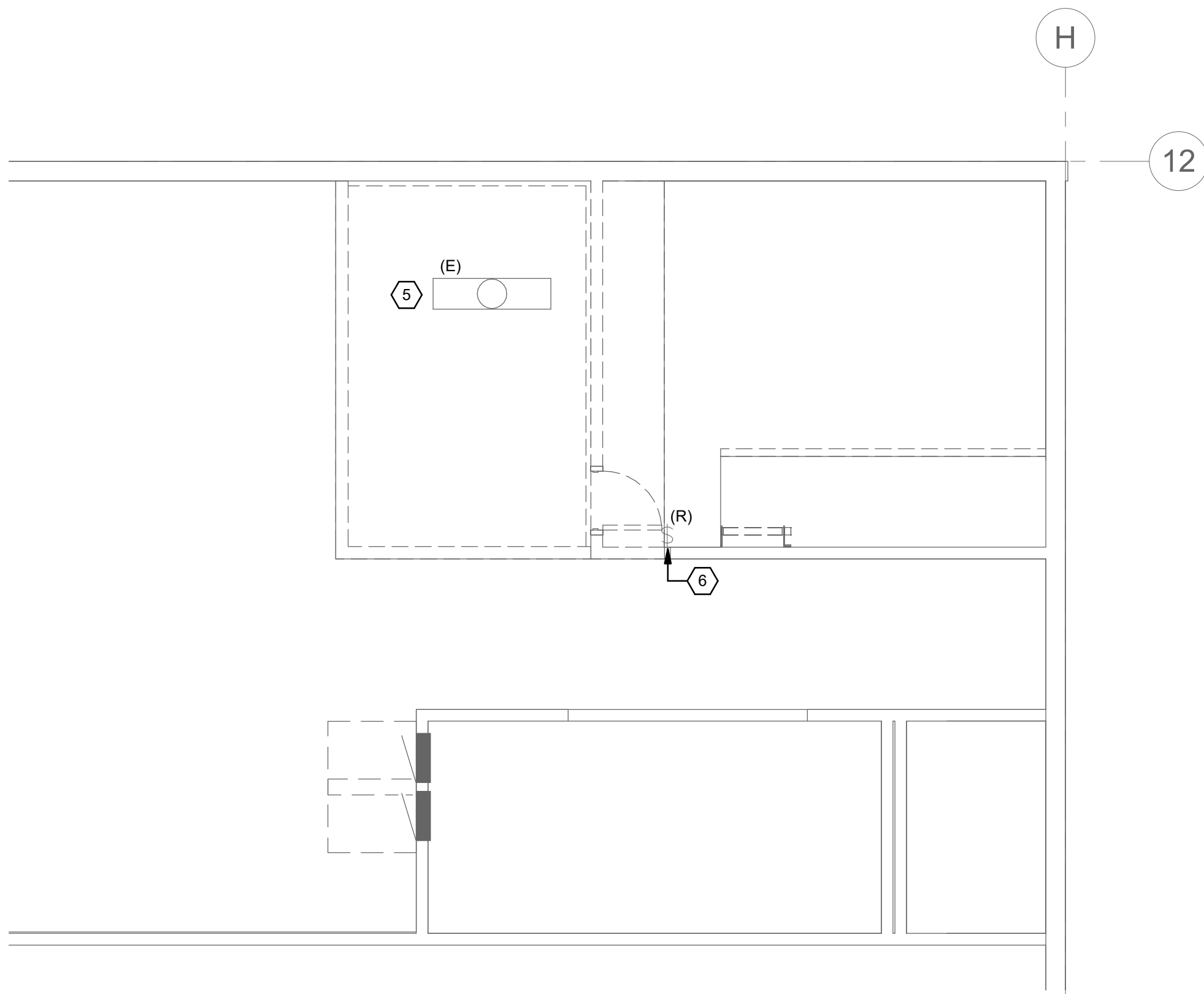
11/17/2020 3:57:01 PM



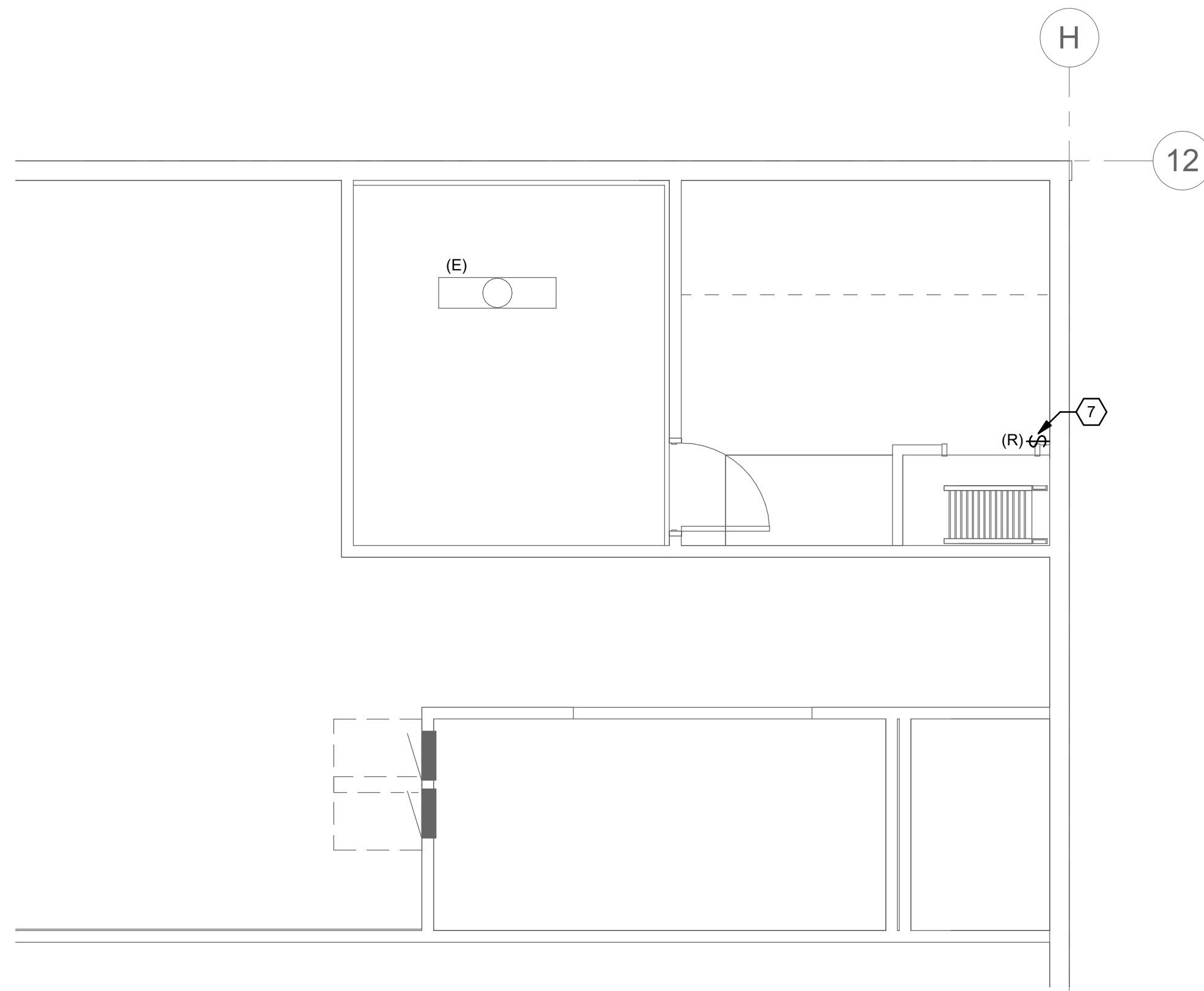
1 LEVEL 01 DEMO FLOOR PLAN - ELECTRICAL



2 LEVEL 01 FLOOR PLAN - ELECTRICAL



3 LEVEL 02 MEZZANINE DEMO FLOOR PLAN - ELECTRICAL



4 LEVEL 02 MEZZANINE FLOOR PLAN - ELECTRICAL

## SHEET KEYNOTES

- 1 SALVAGE EXISTING WALL MOUNTED LUMINAIRE FOR REINSTALLATION ON NEW WALL.
- 2 DEMOLISH EXISTING POWER, ASSOCIATED WIRING AND CONDUIT TO COOLER AND FREEZER BACK TO SOURCE PANEL.
- 3 PROVIDE CONNECTIONS TO MISCELLANEOUS ITEMS (LIGHTS, HEAT TRACE, DOOR SWITCHES, CONDENSATE DRAIN HEATERS, BLOW FANS, ETC) WITHIN WALK-COOLER AND FREEZER.
- 4 ROOF MOUNTED. COORDINATE LOCATION WITH KITCHEN CONSULTANT PRIOR TO ROUGH-IN.
- 5 EXISTING LUMINAIRE TO REMAIN.
- 6 SALVAGE EXISTING LIGHT SWITCH FOR REINSTALLATION IN NEW LOCATION.
- 7 INTERCEPT AND EXTEND CONDUIT AND WIRING FROM EXISTING LOCATION TO NEW LOCATION OF RELOCATED LIGHT SWITCH.
- 8 CONNECT ROOF RECEPTACLE TO NEAREST 20A/1P GENERAL PURPOSE RECEPTACLE CIRCUIT.

CLIENT  
Beaverton School District

16550 SW Merlo Rd. Beaverton OR 97003

**COPYRIGHT**  
This drawing has been prepared solely for the intended use. No reproduction or distribution for any purpose other than authorized by IBI Group is allowed. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and IBI Group shall not be liable for any variations from the dimensions and conditions shown on the drawing. Shop drawings shall be submitted to IBI Group for general confirmation before proceeding with fabrication.

**IBI Group Architects (USA) Inc**  
is a member of the IBI Group of companies

ISSUES		
No.	DESCRIPTION	DATE
A	BID DOCUMENTS	11/20/2020

CONSULTANTS

SEAL



**INTERFACE**  
ENGINEERING

PROJECT: 2020-0362  
CONTACT: HUONG NGUYEN  
100 SW Main Street, Suite 1600  
Portland, OR 97204  
TEL: 503.382.2266  
www.interfaceengineering.com



PROJECT  
Rock Creek ESF  
4125 NW 185th Ave  
Portland, OR 97229

PROJECT NO:  
126730

DRAWN BY:  
HN

PROJECT MGR:  
MKO

CHECKED BY:  
MKO

APPROVED BY:  
MKO

SHEET TITLE  
FLOOR PLANS - ELECTRICAL

SHEET NUMBER  
E1101

ISSUE

Scale: Check  
1/16  
1/8  
1/4  
1/2  
1  
2  
4  
8  
16  
32  
64  
128  
256  
512  
1024  
2048  
4096  
8192  
16384  
32768  
65536  
131072  
262144  
524288  
1048576  
2097152  
4194304  
8388608  
16777216  
33554432  
67108864  
134217728  
268435456  
536870912  
1073741824  
2147483648  
4294967296  
8589934592  
17179869184  
34359738368  
68719476736  
137438953472  
274877906944  
549755813888  
1099511627776  
2199023255552  
4398046511104  
8796093022208  
17592186044416  
35184372088832  
70368744177664  
140737488355328  
281474976710656  
562949953421312  
1125899906842624  
2251799813685248  
4503599627370496  
9007199254740992  
18014398509481984  
36028797018963968  
72057594037927936  
144115188075855872  
288230376151711744  
576460752303423488  
1152921504606846976  
2305843009213693952  
4611686018427387904  
9223372036854775808  
18446744073709551616  
36893488147419103232  
73786976294838206464  
147573952589676412928  
295147905179352825856  
590295810358705651712  
1180591620717411303424  
2361183241434822606848  
4722366482869645213696  
9444732965739290427392  
18889465931478580854784  
37778931862957161709568  
75557863725914323419136  
151115727451828646838272  
302231454903657293676544  
604462909807314587353088  
1208925819614629174706176  
2417851639229258349412352  
4835703278458516698824704  
9671406556917033397649408  
19342813113834066795298816  
38685626227668133590597632  
77371252455336267181195264  
154742504910672534362390528  
309485009821345068724781152  
61897001964269013744956224  
123794003928538027489924448  
247588007857076054979848896  
49517601571415210995969792  
99035203142830421991939584  
198070406285660843983879168  
396140812571321687967758336  
792281625142643375935516672  
158456325028528675187103344  
316912650057057350374206688  
633825300114114700748413376  
1267650600228229401496826752  
2535301200456458802993653504  
5070602400912917605987307008  
10141204801825835211974614016  
20282409603651670423949228032  
40564819207303340847898456064  
81129638414606681695797912128  
162259276829213363391595842432  
324518553658426726783191684864  
649037107316853453566383369728  
1298074214633706907132766737456  
2596148429267413814265533474912  
5192296858534827628531066949824  
10384593717069655257062133899776  
20769187434139310514124267799552  
41538374868278621028248535599104  
83076749736557242056497071198208  
166153499473114484112994042396416  
332306998946228968225988084792832  
664613997892457936451976169585664  
1329227995784915873023952339171328  
265845599156983174604790467822656  
531691198313966349209580935645312  
106338239662793269841916187128624  
212676479325586539683832374257248  
4253529586511730793676647485144512  
850705917302346158735329490028928  
1701411834604692317474665880057856  
3402823669209384634949331760115712  
6805647338418769269898663520231424  
1361129467683753853979732704046248  
2722258935367507707959465408092496  
5444517870735015415918930816184992  
10889035741470030831837861632369984  
21778071482940061663675723264739968  
4355614296588012332735144652959936  
8711228593176024665470289305919872  
17422457186352049330940578611839424  
34844914372704098661881115223678848  
69689828745408197323762230447357792  
139379657490816394647524460894715744  
27875931498163278929504892178943488  
55751862996326557859009784357886976  
111503725992653115718001956715773952  
223007451985306231436003913431547904  
44601490397061246282007826863095808  
89202980794122492564015653726191616  
178405961588244985128031307452383328  
35681192317648997025606261490466656  
71362384635297994051212522980933312  
14272476927059598810242504596186624  
28544953854119197620485009192373248  
57089907708238395240970018384746496  
114179815416476790481940036769492992  
228359630832953580963880073538985936  
4567192616659071619277760147079718784  
9134385233318143238555202940159537536  
18268770466636286477110405880319107136  
365375409332725729542208117606382145728  
730750818665451459084416235212764289536  
1461501637330902918168832470425528579872  
292300327466180583633766494085085759744  
58460065493236116726753298816117151488  
116920130986472233453506597632234283136  
2338402619729444669070131952644686267776  
467680523945888933814022630528937355552  
9353610478917778676280452610578747111104  
1870722095783555735256090522115748222208  
374144419156711147131218104423148444416  
74828883831342229426243620884629688832  
14965776766268445885248724177257777664  
29931553532536891770489448354515555328  
59863107065073783540978896709031111056  
119726214130147567081957793418062222112  
239452428260295134163915546836124444224  
47890485652059026832783089367224888848  
95780971304118053665566178734449777792  
19156194260823610733113235746899555584  
383123885216472214662264714937991111168  
766247770432944429324529429875982222336  
153249554086588885864905885975964444672  
306499108173177771729801171951888889344  
61299821634635554355960234390377777888  
122599643269271107119120468780755555776  
245199286538542214238240937561511111552  
490398573077084428476481851223111111104  
980797146154168856952963702446222222208  
1961594292288337713905927404892444444416  
392318858457667542781185480978488888832  
784637716915335085562370961959777777664  
15692754338306701711244741833917555555328  
31385508676613403422489486667835111111056  
6277101735322680684497897333562222222112  
1255420346064536136899578667064444444224  
2510840692129072273799957333412888888448  
5021681384258144547599906668255777777896  
1004336276851628909519981331651555555792  
20086725537032578190399626633031111111584  
401734510740651563807992532660622222221168  
803469021481303127615985065321244444442336  
160693804296260625523197013064488888884672  
321387608592521251046394026128977777779344  
64277521718504250209278805225795555558688  
128555043437008500418557760451591111117376  
257110086874017000837115540911822222234528  
514220173748034001674230818236444446896  
102844034759606800334846016327288888813792  
205688069519213600669692026554577777727584  
411376139038427201339384053109155555555571168  
8227522780768544026787681062183111111114336  
164550455615370880537753621246622222228672  
3291009112307417610755072424932444445744  
65820182246148352215101448498648888811488  
13164036449229670443020289699697777723776  
2632807289845934088604057939939555547552  
52656145796918681772008118798791111119504  
105312291593837363440016357597582222239088  
21062458318767472688003271519516444478176  
421249166375349453760065430390328888156352  
842498332750698907520130860780657777312704  
1684996665301397815040261721561315555625408  
3369993330602795630080523443122611111250816  
673998666120559126017610468624522222501632  
1347997332241118252355221373250444441003264  
2695994664482236504710442766500888882006528  
5391989328964473009420889533001777774013056  
1078397865792894601884177806600355558026112  
21567957315857892037683556132007111116052224  
4313591463171578407537711226400142222212104448  
862718292634315681507542245280028444442420896  
172543658526863136301508489056005688888484192  
345087317053726272603016980112011377777968384  
69017463410745254520603396022402275555936768  
138034926821490590441207820044805511111873536  
27606985364298118088241564008961111117467072  
55213970728596236176483128017922222222934144  
11042794145719247235296625603584444445868288  
220855882914384944705932512071688888811736576  
44171176582876988941186522414337777777347136  
8834235316575397788237304482867555555694272  
17668470633150795764474608965735111111388544  
3533694126630159152889321793146222222777088  
706738825326031830577843578629244444554176  
141347765065206366115576871732588888811088352  
2826955301304127322311155444656672577772176704  
565391060260825464462231111111111114354112  
113078212052165092892446222222222228708224  
226156424104330185784892444444444457416448  
452312848208660371569784888888888914232896  
904625696417320743139568177777777782845792  
180925139283464148627913635555555565691584  
361850278566928297255827271111111113138368  
723700557133856594511654422222222262777344  
1447401114267713189023308844444444125554688  
289480222853542637804661788888888251109776  
578960445707085275609323577777777502215552  
115792089141417055121866465555555100441104  
2315841782828341102437329311111111200882208  
463168356565668220487465862222222401764416  
92633671313133644097491724444444803528832  
185267342626267281954983448888888160705664  
3705346852525345639099669777777773214112  
741069370505069127819933955555556428224  
14821387410101382556398679111111112856448  
2964277482020276511279773582222225712896  
59285549640405530225594671644444411425792  
118571099280811060511191933278888822851584  
23714219856162212102238386557777774570368  
474284397123244242047677311555555914041728  
94856879424648848409535462311111182803552  
189713758849297696819070924622222165607104  
37942751769859539363814184924444433121408  
75885503539719078727628369848888866242816  
151771007079438157455256739697777713245632  
30354201415887631491105479395555526491264  
6070840283177526298220898791111152982528  
121416805663550525764417975822222105965152  
242833611327101051528835951644444211931024  
48566722265420210305771913288888423862048  
971334445308404206115554256657777787324992  
19426688906160841222311111111746449984  
38853377812321682444622222222297289968  
7770675562464336488924444444459457936  
1554135112922872977844888888881189115744  
31082702258457459556897777777723783008  
62165404516914919113795555555547566016  
124330809033829838227591111111195132032  
24866161806765767645518222222239026064  
4973232361353153529103644444478052128  
99464647227063070582072888888156104256  
1989292944541261411641457777777312208512  
3978585889082522823282915555556244416256  
7957171778165045646565831111112488832512  
15914343556330091293131662222224977664512  
318286871126601825826333244444995528224  
636573742253203651652666488888199104544  
1273147484506407303305332977777398208896  
254629496901281460661065595555796417792  
50925899380256292132213111111592835544  
101851796760512584244262222221185671088  
203703593