1348 - LEE'S SUMMIT

NEW GROUND UP AND DRIVE THRU OF QUICK SERVICE RESTAURANT

SHAKE SHACK®

2051 NW LOWENSTEIN DRIVE
LEE'S SUMMIT, MISSOURI 64081
SHACK #1348

FIELD NOTICE #3: 2021-08-09

PERSPECTIVE VIEW

SHAKE SHACK
BURGERS FROZEN CUSTARD FRIES SHAKES HOT DOGS CONCRETES BURGERS HOT DOGS

PROJECT TEAM

OWNER'S DESIGN PROJECT MANAGER
SHAKE SHACK
225 VARICK ST, SUITE 301
NEW YORK, NY 10014
CONTACT: THEA WILLIAMSON
T: 347.640.0982

OWNER'S CONSTRUCTION PROJECT MANAGER
SHAKE SHACK
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NEW YORK, NY 10014
CONTACT: CHRIS PIPER
T: 646.661.0958

LANDLORD
DRAKE DEVELOPMENT
7200 W. 132ND ST., SUITE 150
OVERLAND PARK, KS 66213
CONTACT: IAN MUSSMAN
T: 913.662.2630

ARCHITECT
BERGMEYER ASSOCIATES, INC.
51 SLEEPER STREET, 6TH FLOOR
BOSTON, MA 02210
PRINCIPAL IN CHARGE: MIKE DAVIS
PROJECT MANAGER: CHRISTINA SANDORE
T: 617.542.1025

MEP ENGINEER
SCHNACKEL ENGINEERS, INC.
3035 SOUTH 72ND STREET
OMAHA, NE 68124
CONTACT: DUSTIN WOLLENBURG
T: 531.329.6292

STRUCTURAL ENGINEER
H+O STRUCTURAL ENGINEERING
51 MELCHER ST FLR 1
BOSTON, MA 02210
CONTACT: RENS HAYES
T: 617.938.3349 x 7011

KITCHEN CONSULTANT
TRIMARK UNITED EAST FOOD SERVICE DESIGN
505 COLLINS STREET
SOUTH ATTLEBORO, MA 02703
CONTACT: MICHAEL HENDERSON
T: 508.399.2392

CIVIL ENGINEER
SW ENGINEERING
5507 HIGH MEADOW CIRCLE
MANHATTAN, KS 66503
CONTACT: SAM MALINOWSKY
T: 785.341.9747

GENERAL CONTRACTOR
SPIEGELGLASS CONSTRUCTION COMPANY
18 WORTHINGTON ACCESS DRIVE
MARYLAND HEIGHTS, MO 63043
CONTACT: TIM SPIEGELGLASS
E: TIM@SPIEGELGLASS-GC.COM
T: 314.575.9938

PROJECT NARRATIVE

THIS PROJECT IS NEW CONSTRUCTION, FREE STANDING SINGLE STORY QUICK SERVICE RESTAURANT. THE INTENDED USE GROUP IS A2. NEW STRUCTURAL, CIVIL, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION COMPONENTS ARE PROPOSED

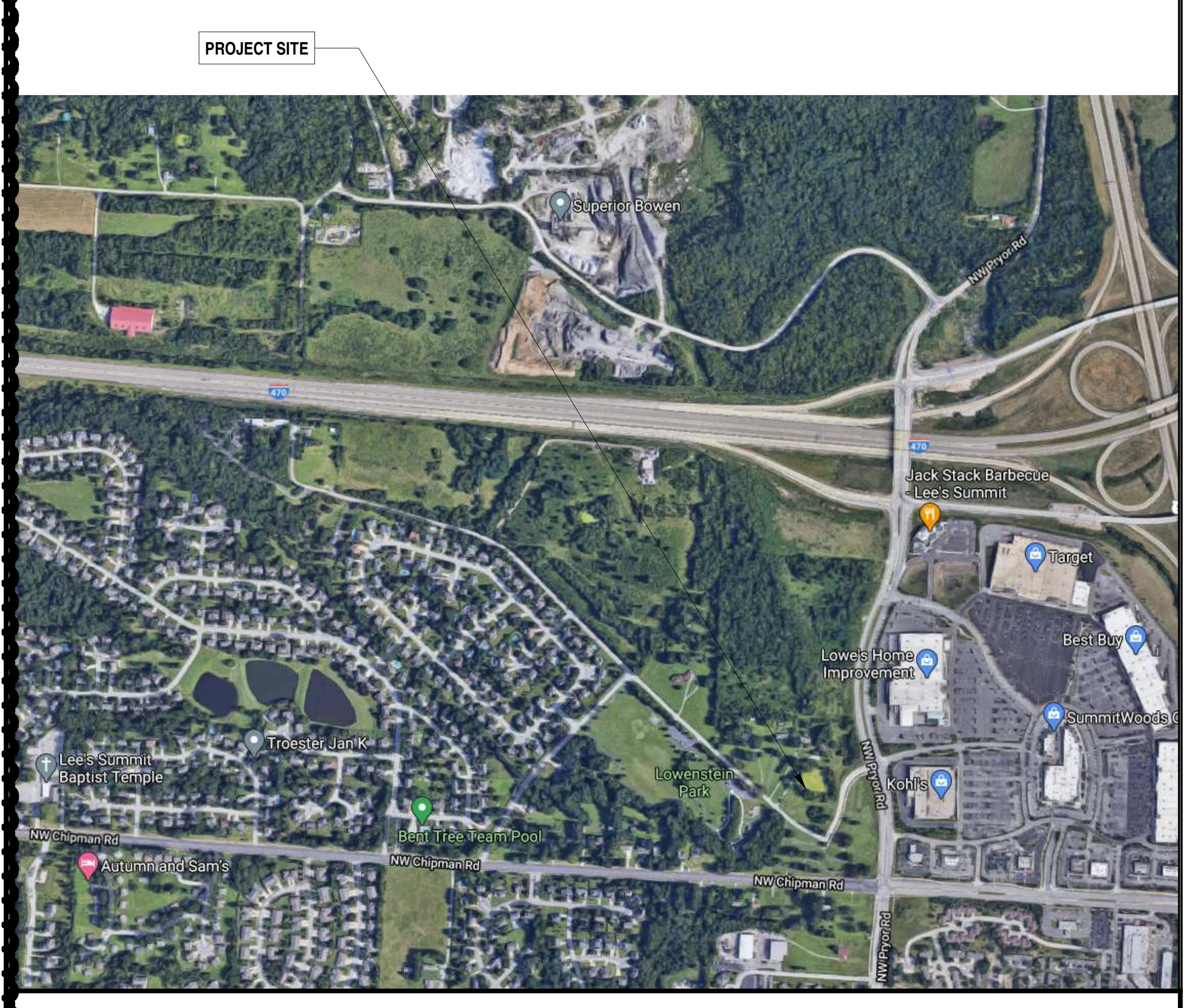
THE BUILDING WILL BE SPRINKLERED.

SEAT COUNT	
INTERIOR SEATS	125
EXTERIOR SEATS	50
TOTAL SEATS	175
SQUARE FOOTAGE	
INTERIOR SF	3360 SF
EXTERIOR SF	1039 SF
TOTAL SF	4399 SF

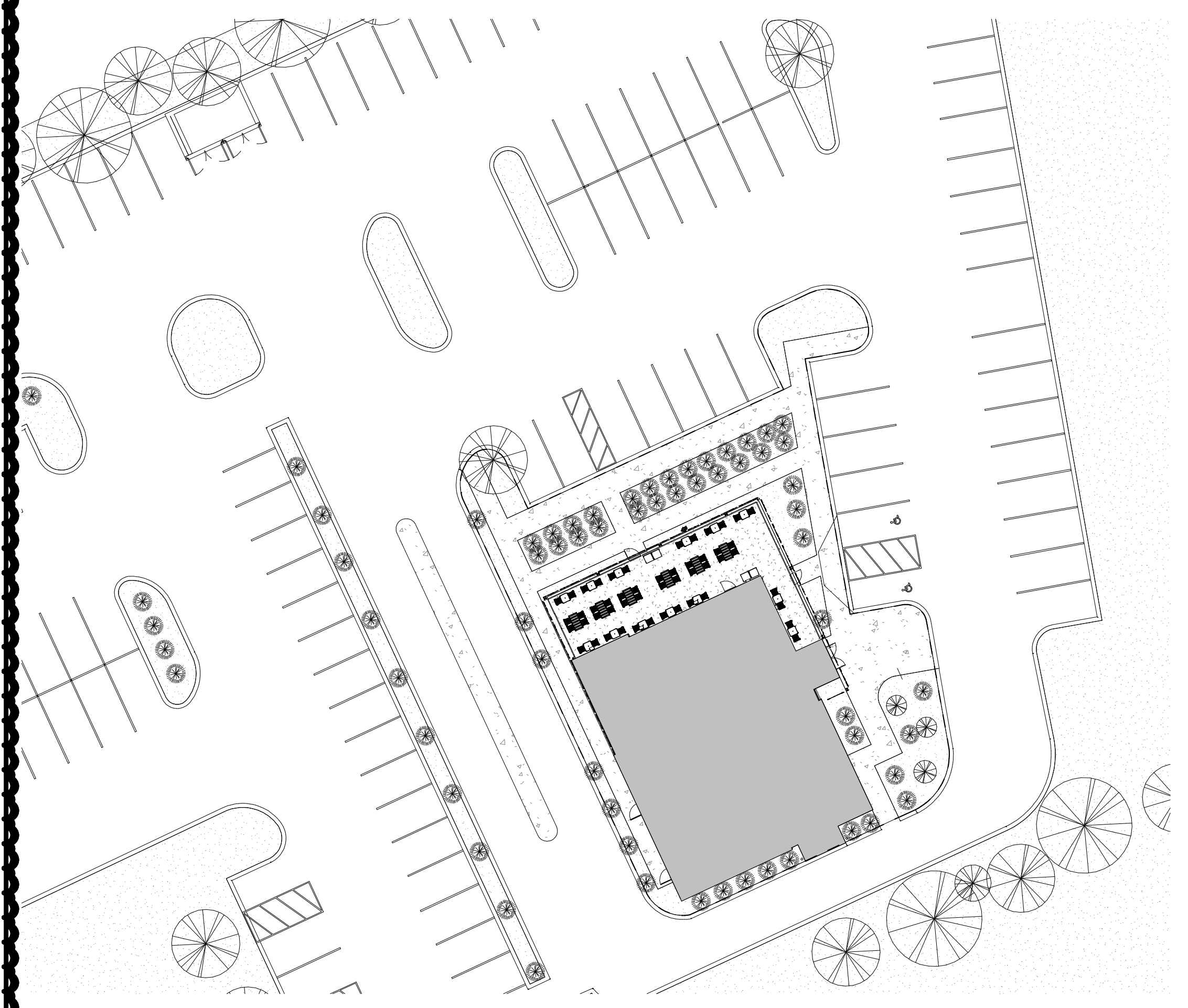
SHEET INDEX AND ISSUE MATRIX

SHEET NO.	SHEET NAME	PERMIT/BID ISSUE DATE	REVISION NO.	REVISION ISSUE DATE	REVISION DESCRIPTION
00 GENERAL					
T001	TITLE SHEET	2021-01-11	6	2021-08-09	FIELD NOTICE #3
T002	RESPONSIBILITY SCHEDULE & VENDOR CONTACTS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
T003	SYMBOLS, GENERAL NOTES & ABBREVIATIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
T004	CODE ANALYSIS, OCCUPANCY & EGRESS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
01 CIVIL					
C-1	SITE PLAN	2021-01-11	5	2021-05-17	FIELD NOTICE #2
C-2	UTILITY PLAN	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
C-3	GRADING PLAN	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
02 SITE					
AS101	ARCHITECTURAL SITE PLAN	2021-01-11	6	2021-08-09	FIELD NOTICE #3
AS102	ENLARGED PATIO PLAN AND EXTERIOR DETAILS	2021-01-11	6	2021-08-09	FIELD NOTICE #3
AS201	SITE DETAILS		6	2021-08-09	FIELD NOTICE #3
03 STRUCTURAL					
S000	ISOMETRIC VIEWS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
S001	GENERAL NOTES I	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
S002	GENERAL NOTES II	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
S003	LOADING PLANS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
S100	FOUNDATION PLAN	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
S101	CANOPY FRAMING PLAN	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
S102	ROOF FRAMING PLAN	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
S200	COLUMN SCHEDULE	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
S201	BUILDING SECTIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
S300	LATERAL FRAME ELEVATIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
S400	CONCRETE DETAILS I	2021-01-11	6	2021-08-09	FIELD NOTICE #3
S401	CONCRETE DETAILS II	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
S500	STEEL DETAILS I	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
S501	STEEL DETAILS II	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
S502	STEEL DETAILS III	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
04 ARCHITECTURAL					
A100	CURB & FOUNDATION PLAN	2021-01-11	6	2021-08-09	FIELD NOTICE #3
A101	GENERAL ARRANGEMENT PLAN	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
A102	DIMENSIONED PLAN	2021-01-11	6	2021-08-09	FIELD NOTICE #3
A103	FLOOR FINISH PLAN	2021-01-11	6	2021-08-09	FIELD NOTICE #3
A104	FURNITURE & EQUIPMENT PLAN	2021-01-11	6	2021-08-09	FIELD NOTICE #3
A105	SIGNAGE AND GRAPHICS PLAN	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
A120	REFLECTED CEILING PLAN	2021-01-11	6	2021-08-09	FIELD NOTICE #3
A150	ROOF PLAN	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
A201	EXTERIOR ELEVATIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
A210	INTERIOR ELEVATIONS	2021-01-11	6	2021-08-09	FIELD NOTICE #3
A211	INTERIOR ELEVATIONS	2021-01-11	6	2021-08-09	FIELD NOTICE #3
A301	BUILDING SECTIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
A302	EXTERIOR WALL SECTIONS	2021-01-11	6	2021-08-09	FIELD NOTICE #3
A303	EXTERIOR WALL SECTIONS	2021-01-11	6	2021-08-09	FIELD NOTICE #3
A304	EXTERIOR WALL SECTIONS	2021-01-11	6	2021-08-09	FIELD NOTICE #3
A305	EXTERIOR WALL SECTIONS	2021-01-11	6	2021-08-09	FIELD NOTICE #3
A310	INTERIOR SECTIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
A401	ENLARGED MANAGER'S OFFICE PLAN	2021-01-11	5	2021-05-17	FIELD NOTICE #2
A402	ENLARGED WOMENS RESTROOM PLAN	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
A403	ENLARGED MENS RESTROOM PLAN	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
A501	EXTERIOR DETAILS - PLAN	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
A502	EXTERIOR DETAILS - SECTION	2021-01-11	6	2021-08-09	FIELD NOTICE #3
A503	EXTERIOR DETAILS - SECTION	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
A504	EXTERIOR DETAILS - ROOF	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
A510	WALL TYPES	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
A520	ATAS METAL PANEL TRIM DETAILS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
A530	INTERIOR DETAILS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
A540	MILLWORK DETAILS	2021-01-11	6	2021-08-09	FIELD NOTICE #3
A601	FINISH SCHEDULE	2021-01-11	6	2021-08-09	FIELD NOTICE #3
A602	DOOR, HARDWARE & SCHEDULES	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
A603	STOREFRONT SCHEDULES & ELEVATIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
A701	ARCHITECTURAL SPECIFICATIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
A702	ARCHITECTURAL SPECIFICATIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
A703	ARCHITECTURAL SPECIFICATIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
A704	ARCHITECTURAL SPECIFICATIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
A705	ARCHITECTURAL SPECIFICATIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
A801	EXTERIOR RENDERINGS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
A802	INTERIOR RENDERINGS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
05 KITCHEN EQUIPMENT					
QF001	FOODSERVICE GENERAL NOTES, LEGENDS, SHEET INDEX	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
QF101	FOODSERVICE EQUIPMENT PLAN	2021-01-11	6	2021-08-09	FIELD NOTICE #3
QF102	FOODSERVICE SCHEDULES	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
QF102A	FOODSERVICE UTILITY SCHEDULES	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
QF102B	FOODSERVICE UTILITY SCHEDULES	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
QF201	FOODSERVICE PLUMBING IN-SLAB ROUGH-IN PLAN	2021-01-11	6	2021-08-09	FIELD NOTICE #3
QF202	FOODSERVICE PLUMBING ABOVE SLAB ROUGH-IN PLAN	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
QF301	FOODSERVICE ELECTRICAL ROUGH-IN PLAN	2021-01-11	6	2021-08-09	FIELD NOTICE #3
QF401	FOODSERVICE SPECIAL CONDITIONS PLAN	2021-01-11	6	2021-08-09	FIELD NOTICE #3
QF501	FOODSERVICE ELEVATIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
06 FIRE PROTECTION					
F001	FIRE PROTECTION ABBREVIATIONS & SYMBOLS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
F101	FIRE PROTECTION PLAN	2021-01-11	4	2021-05-03	FIELD NOTICE #1
F501	FIRE PROTECTION DETAILS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
F590	FIRE PROTECTION SPECIFICATIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
F591	FIRE PROTECTION SPECIFICATIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
07 MECHANICAL					
M001	MECHANICAL ABBREVIATIONS & SYMBOLS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
M101	MECHANICAL FLOOR PLAN	2021-01-11	6	2021-08-09	FIELD NOTICE #3
M102	MECHANICAL REFRIGERANT PIPING LAYOUT PLAN	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
M150	MECHANICAL ROOF PLAN	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
M501	MECHANICAL DETAILS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
M502	MECHANICAL DETAILS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
M590	MECHANICAL SPECIFICATIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
M591	MECHANICAL SPECIFICATIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
M592	MECHANICAL SPECIFICATIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
M593	MECHANICAL SPECIFICATIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
M601	MECHANICAL SCHEDULES	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
M701	HALTON DRAWINGS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
M702	HALTON DRAWINGS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
M703	HALTON DRAWINGS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
M704	HALTON DRAWINGS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
M705	HALTON DRAWINGS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
08 PLUMBING					
P001	PLUMBING ABBREVIATIONS & SYMBOLS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
P101	PLUMBING WASTE & VENT PLAN	2021-01-11	6	2021-08-09	FIELD NOTICE #3
P120	PLUMBING WATER & GAS	2021-01-11	6	2021-08-09	FIELD NOTICE #3
P150	PLUMBING ROOF PLAN	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
P501	PLUMBING DETAILS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
P502	PLUMBING DETAILS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
P590	PLUMBING SPECIFICATIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
P591	PLUMBING SPECIFICATIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
P592	PLUMBING SPECIFICATIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
P601	PLUMBING SCHEDULE	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
P901	PLUMBING RISERS	2021-01-11	6	2021-08-09	FIELD NOTICE #3
09 ELECTRICAL					
E001	ELECTRICAL ABBREVIATION & SYMBOL LEGEND	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
E100	SITE ELECTRICAL PLAN	2021-01-11	6	2021-08-09	FIELD NOTICE #3
E101	ELECTRICAL POWER PLAN	2021-01-11	6	2021-08-09	FIELD NOTICE #3
E102	LOW VOLTAGE SYSTEMS PLAN	2021-01-11	6	2021-08-09	FIELD NOTICE #3
E120	ELECTRICAL LIGHTING PLAN	2021-01-11	6	2021-08-09	FIELD NOTICE #3
E150	ELECTRICAL ROOF PLAN	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
E501	ELECTRICAL DETAILS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
E590	ELECTRICAL SPECIFICATIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
E591	ELECTRICAL SPECIFICATIONS	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
E601	ELECTRICAL SCHEDULES & ONE-LINE	2021-01-11	6	2021-08-09	FIELD NOTICE #3
E620	LIGHTING SCHEDULES	2021-01-11	6	2021-08-09	FIELD NOTICE #3
E621	LUTRON VIVE ONE-LINE	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
E622	LUTRON VIVE ONE-LINE	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION
E623	LUTRON VIVE ONE-LINE	2021-01-11	3	2021-04-26	ISSUED FOR CONSTRUCTION

AREA / LOCATION MAP



KEY MAP



Bergmeyer

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212.337.1090

www.bergmeyer.com

CONSULTANTS:

SEAL/ SIGNATURE:

NO.	BY	DATE	DESCRIPTION
6		2021-08-09	FIELD NOTICE #3
5		2021-05-17	FIELD NOTICE #2
4		2021-05-03	FIELD NOTICE #1
3		2021-04-26	ISSUED FOR CONSTRUCTION
2		2021-03-31	ADDENDUM 2
1		2021-03-09	ADDENDUM 1
		2021-01-11	PERMIT/BID SET
		2020-12-21	75% SET
		2020-10-12	DD SET

SHAKE SHACK®

SHAKE SHACK - LEE'S SUMMIT MO

2051 NW LOWENSTEIN DRIVE
LEE'S SUMMIT, MISSOURI 64081
SHACK #1348

FIELD NOTICE #3

TITLE SHEET

DRAWN BY:	CS & WQL
CHECKED BY:	JS
JOB NO:	20068.00

T001

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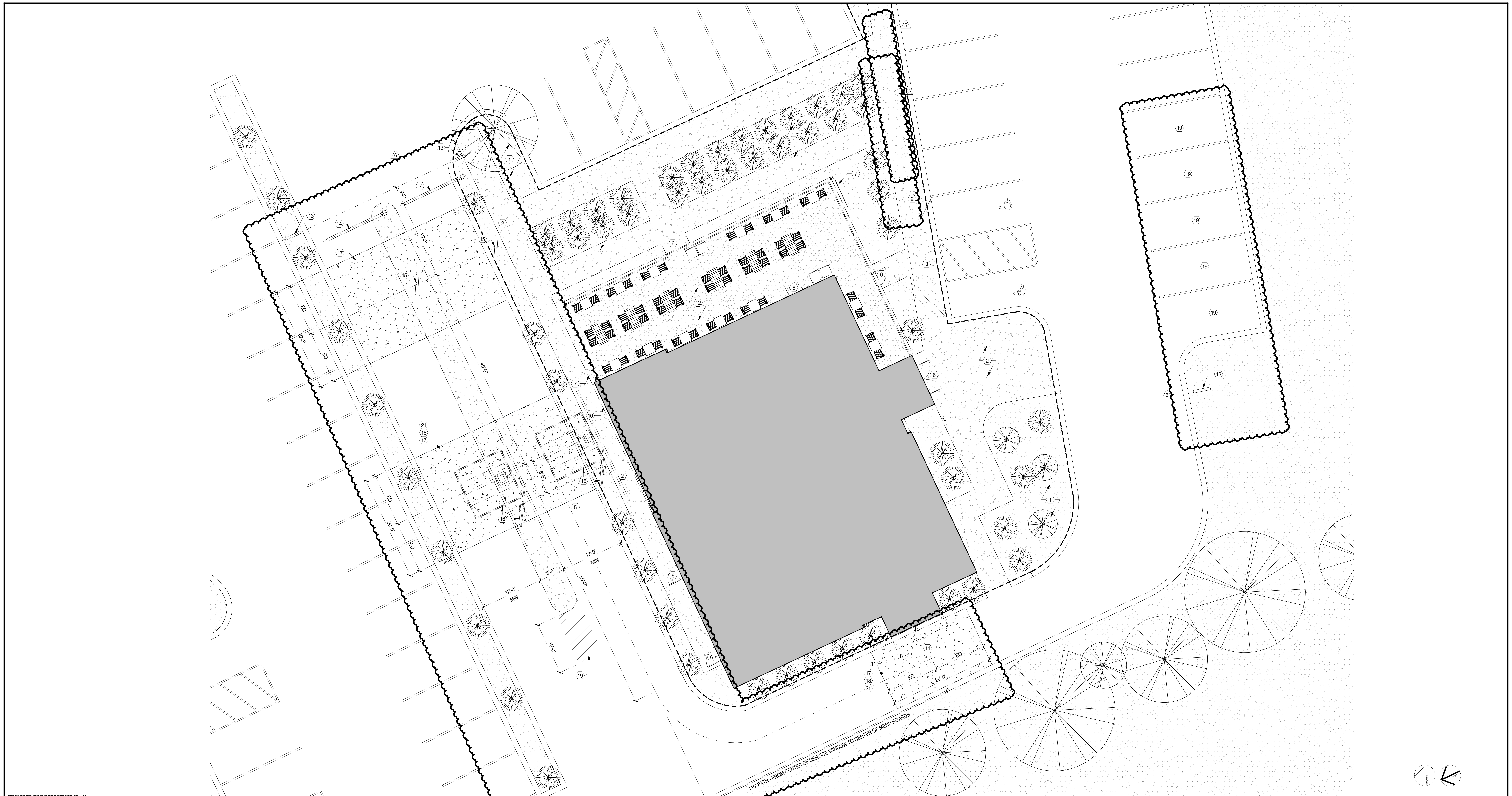


PROVIDED FOR REFERENCE ONLY

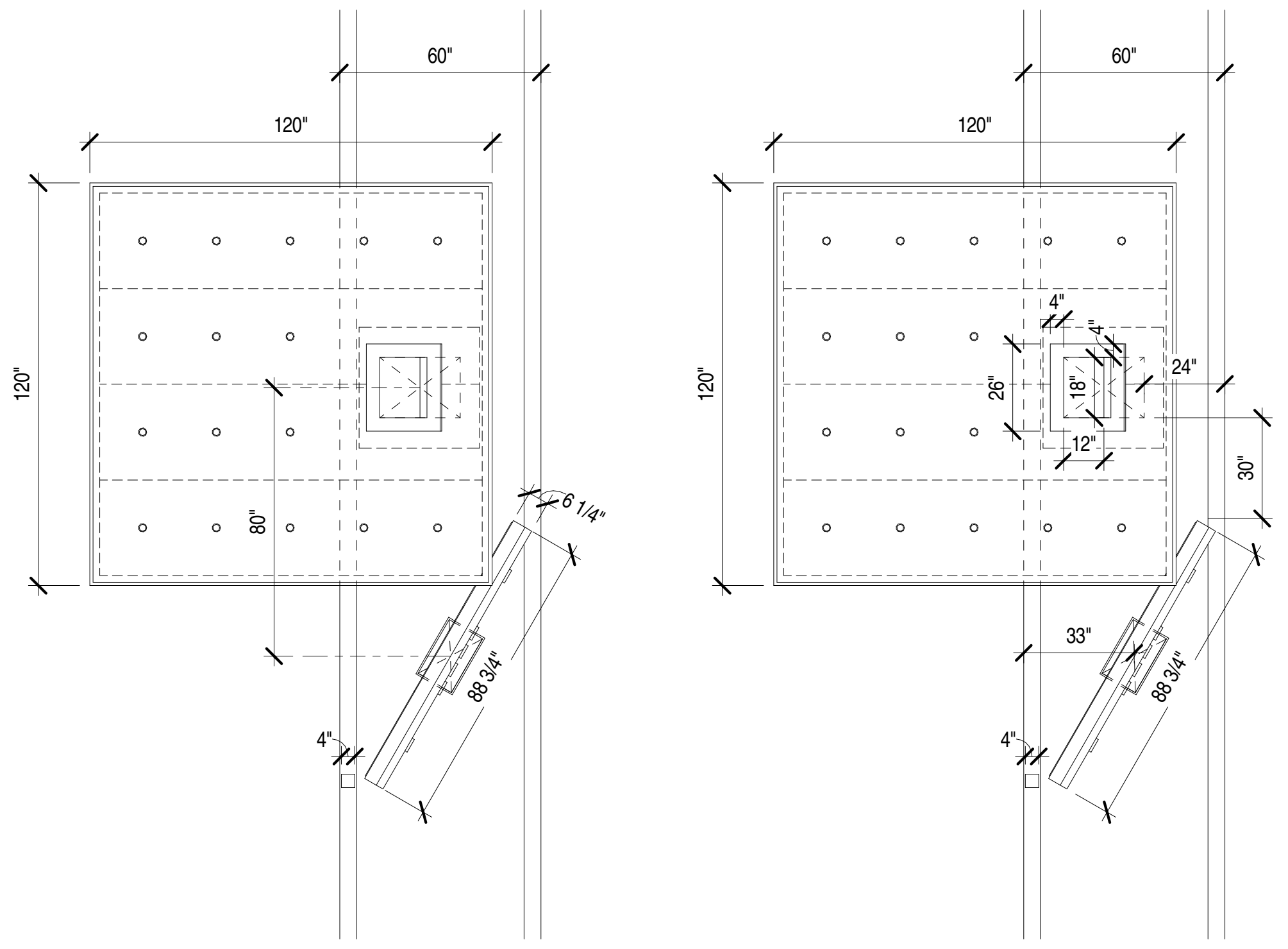
SITE PLAN - ARCHITECTURAL

1/8" = 1'-0"

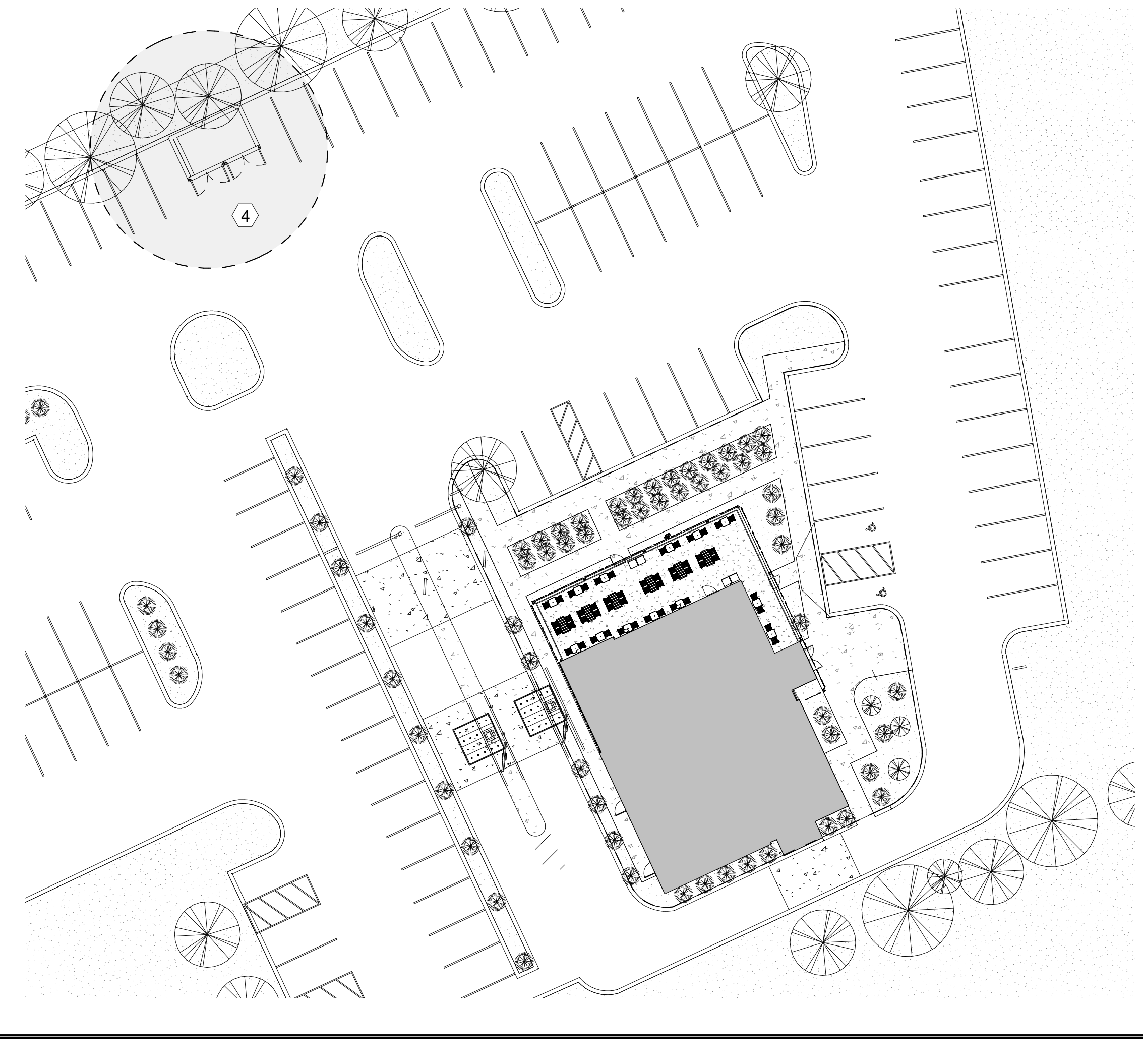
4'-0" 8'-0" 16'-0"

1

ENLARGED PLAN - CANOPY & MENU BOARD RELATIONSHIP



KEY PLAN - TRASH ENCLOSURE LOCATION



KEYNOTES

1	NEW LANDSCAPED AREA
2	SIDEWALK AND PAVING
3	NEW FLUSH CURB
4	LOCATION OF TRASH ENCLOSURE; BY LANDLORD
5	LOCATION OF UNDERGROUND GREASE TRAP, BY LANDLORD
6	ACCESSIBLE ENTRY
7	EXTERIOR SIGN BAND AND CANOPY
8	DRIVE THRU WINDOW
9	SITE CAMERA TO BE INSTALLED BY GC WHILE THE SHACK IS UNDER CONSTRUCTION. CAMERA LOCATION TO BE COORDINATED WITH OWNER. CONTACT OWNER FOR ORDER PROCESS AND INSTALLATION PROCEDURE.
10	LOCATION OF NEW CO2 & RTI FILL BOXES. REFER TO A100
11	NEW BOLLARDS; REFER TO CIVIL
12	PATIO FURNITURE; REFER TO FURNITURE & EQUIPMENT PLAN
13	DIRECTIONAL SIGNAGE
14	CLEARANCE BARS
15	PRE-ORDER MENU BOARDS
16	DRIVE THRU MENU BOARDS AND CANOPY
17	CONCRETE PAD; REFER TO CIVIL
18	LEAVE OUT AREA FOR SIGNAGE AND GROUND LOOPS; REFER TO CIVIL AND ELECTRICAL
19	AREA OF ADDITIONAL STRIPING; REFER TO CIVIL
20	DRIVE-THRU PULL AHEAD DEDICATED PARKING SPACES
21	NO MESH TO BE PLACED UNDER CONCRETE PAD

6

5

SYMBOL LEGEND

SYMBOL	DESCRIPTION
◜	NEW DOOR
01	KEYNOTE
░	LANDSCAPED AREA; EXISTING TO REMAIN
▨	NOT IN CONTRACT
- - - -	CONSTRUCTION LIMIT LINE

GENERAL NOTES

A. REFER TO EXTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION ON BUILDING ELEMENTS
B. REFER TO EXTERIOR ELEVATIONS AND E-SHEETS FOR ADDITIONAL INFORMATION ON EXTERIOR LIGHTING
C. ALL WORK WITHIN CONSTRUCTION LIMIT LINE IS THE RESPONSIBILITY OF THE TENANT GC. ALL WORK OUSTIDE OF THE CONSTRUCTION LIMIT LINE IS LANDLORD AND LANDLORD GC RESPONSIBILITY.
D. REFER TO ELECTRICAL DRAWINGS FOR EXTERIOR MOUNTED CAMERAS.

5

Bergmeyer

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CONSULTANTS:

SEAL/ SIGNATURE:

NO.	BY	DATE	DESCRIPTION
6		2021-08-09	FIELD NOTICE #3
5		2021-05-17	FIELD NOTICE #2
3		2021-04-26	ISSUED FOR CONSTRUCTION
		2021-01-11	PERMIT/BID SET
		2020-12-21	75% SET

SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

2051 NW LOWENSTEIN DRIVE
LEE'S SUMMIT, MISSOURI 64081
SHACK #1348

FIELD NOTICE #3

ARCHITECTURAL SITE PLAN

DRAWN BY:	CS & WQL
CHECKED BY:	JS
JOB NO:	20068.00

AS101

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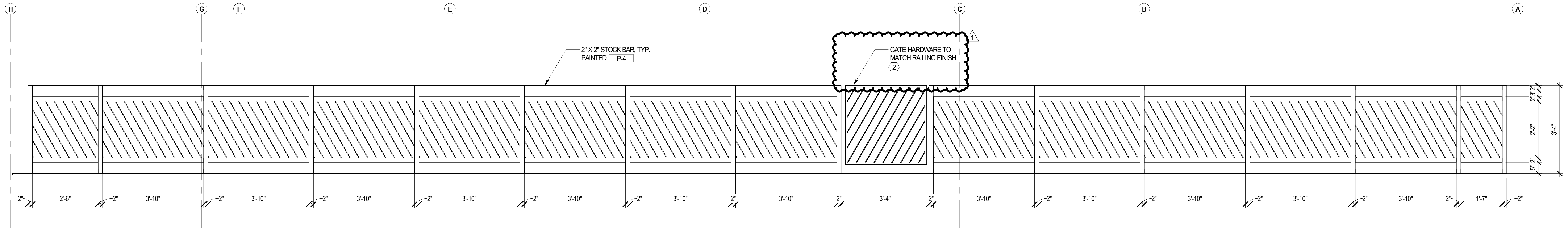
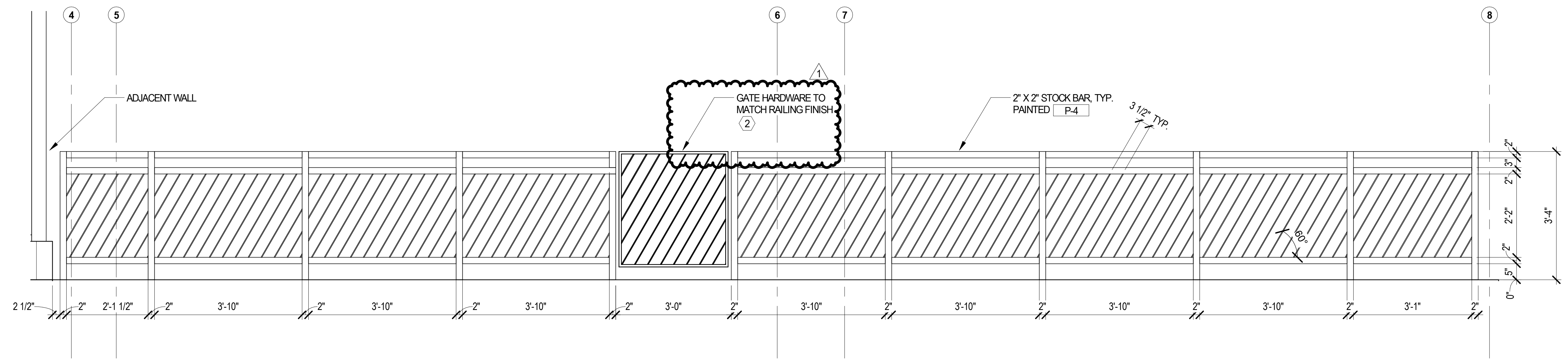

H
G
F
E
D
C
B
A
2" X 2" STOCK BAR, TYP. PAINTED P-4
GATE HARDWARE TO MATCH RAILING FINISH ②
1
2"
2'-6"
3'-10"
3'-4"
1'-7"
2'-2"
3'-4"
2'-2"

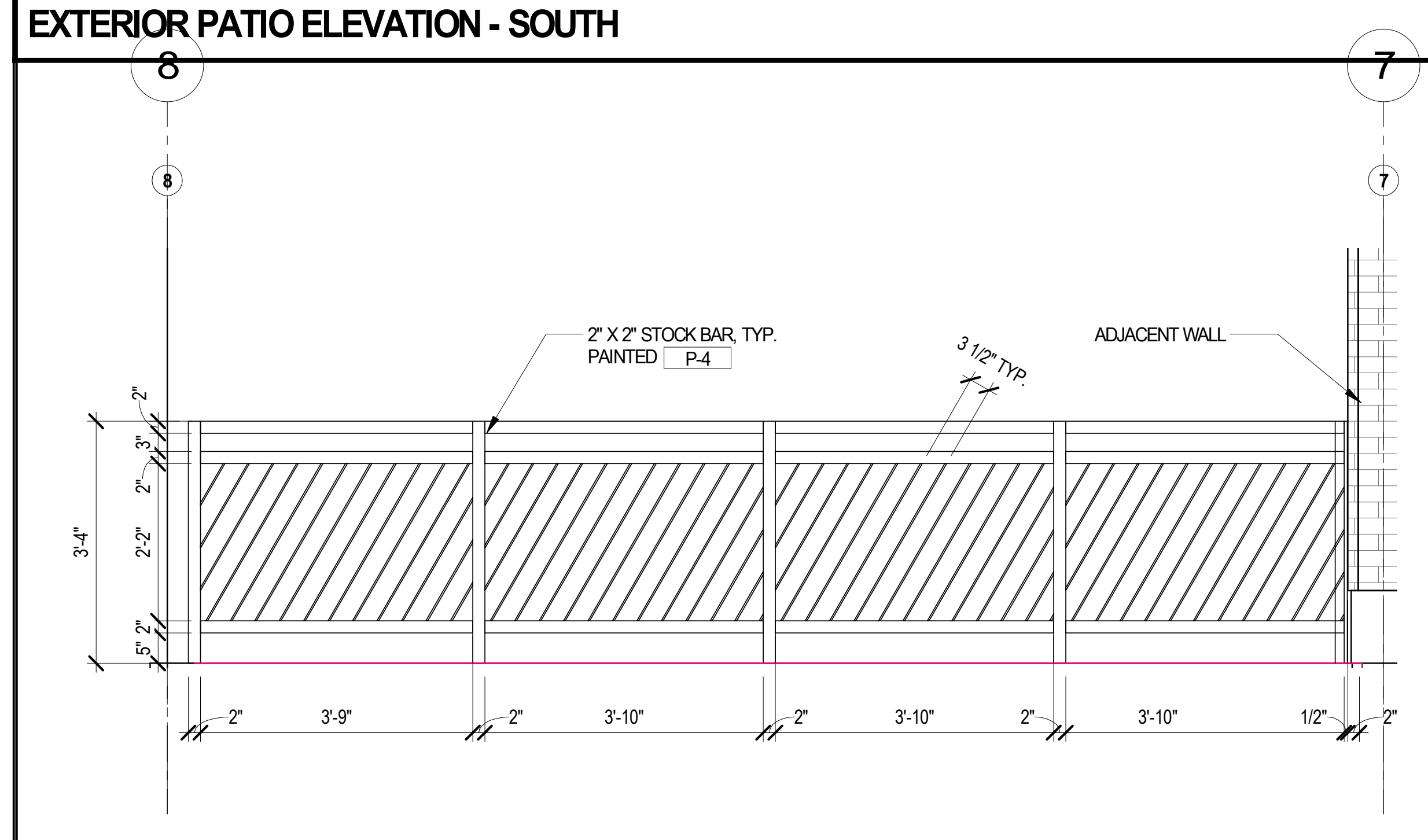
EXTERIOR PATIO ELEVATION - WEST

1/2" = 1'-0"
1'-0" 2'-0" 4'-0"
6


4
5
6
7
8
ADJACENT WALL
GATE HARDWARE TO MATCH RAILING FINISH ②
1
2" X 2" STOCK BAR, TYP. PAINTED P-4
3 1/2" TYP.
60°
2 1/2"
2"
2'-1 1/2"
3'-10"
3'-0"
3'-1"
2'-2"
3'-4"

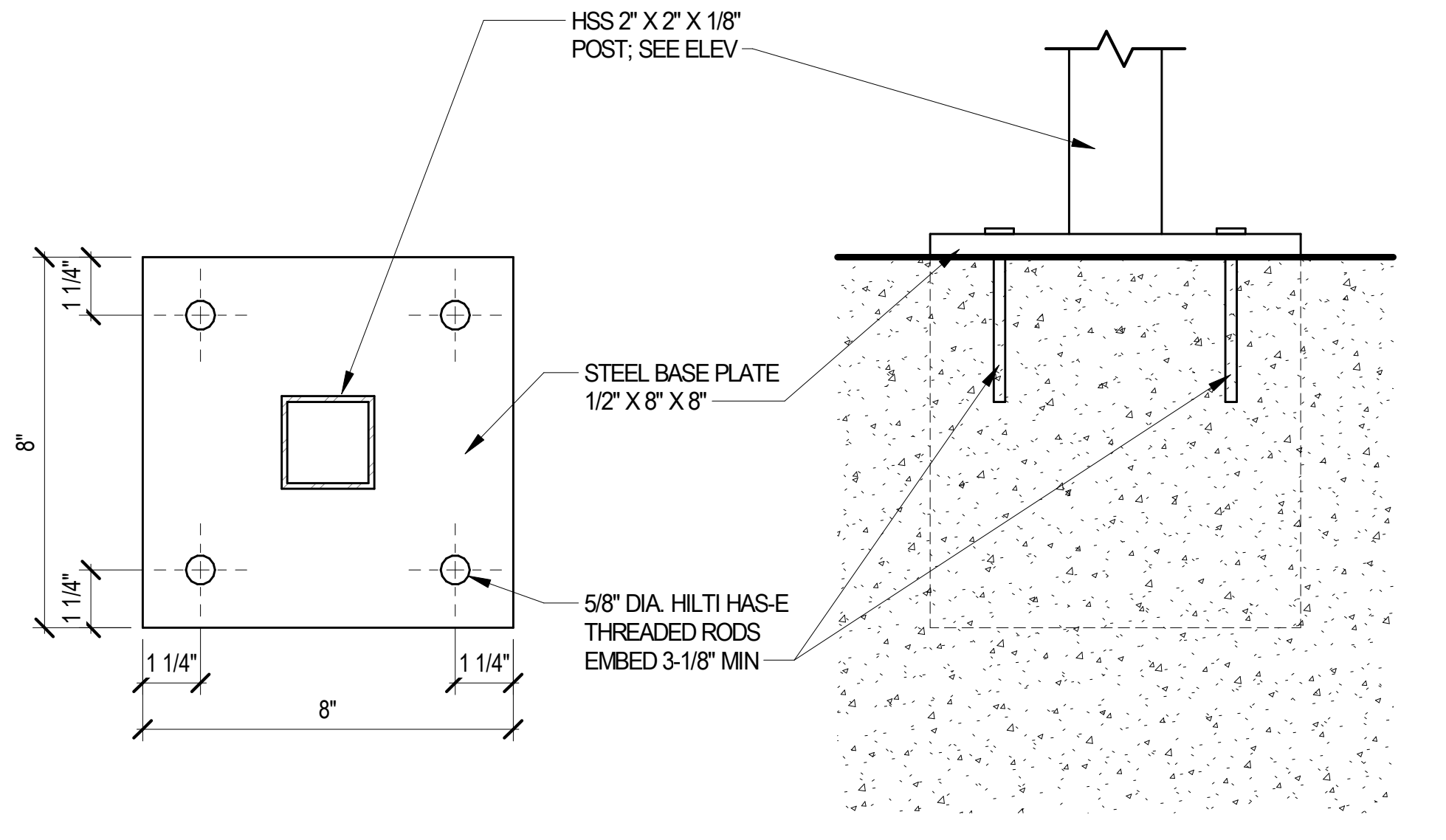
EXTERIOR PATIO ELEVATION - SOUTH

1/2" = 1'-0"
1'-0" 2'-0" 4'-0"
5


8
7
2" X 2" STOCK BAR, TYP. PAINTED P-4
3 1/2" TYP.
ADJACENT WALL
3'-4"
2'-2"
2"
3'-9"
3'-10"
1/2"

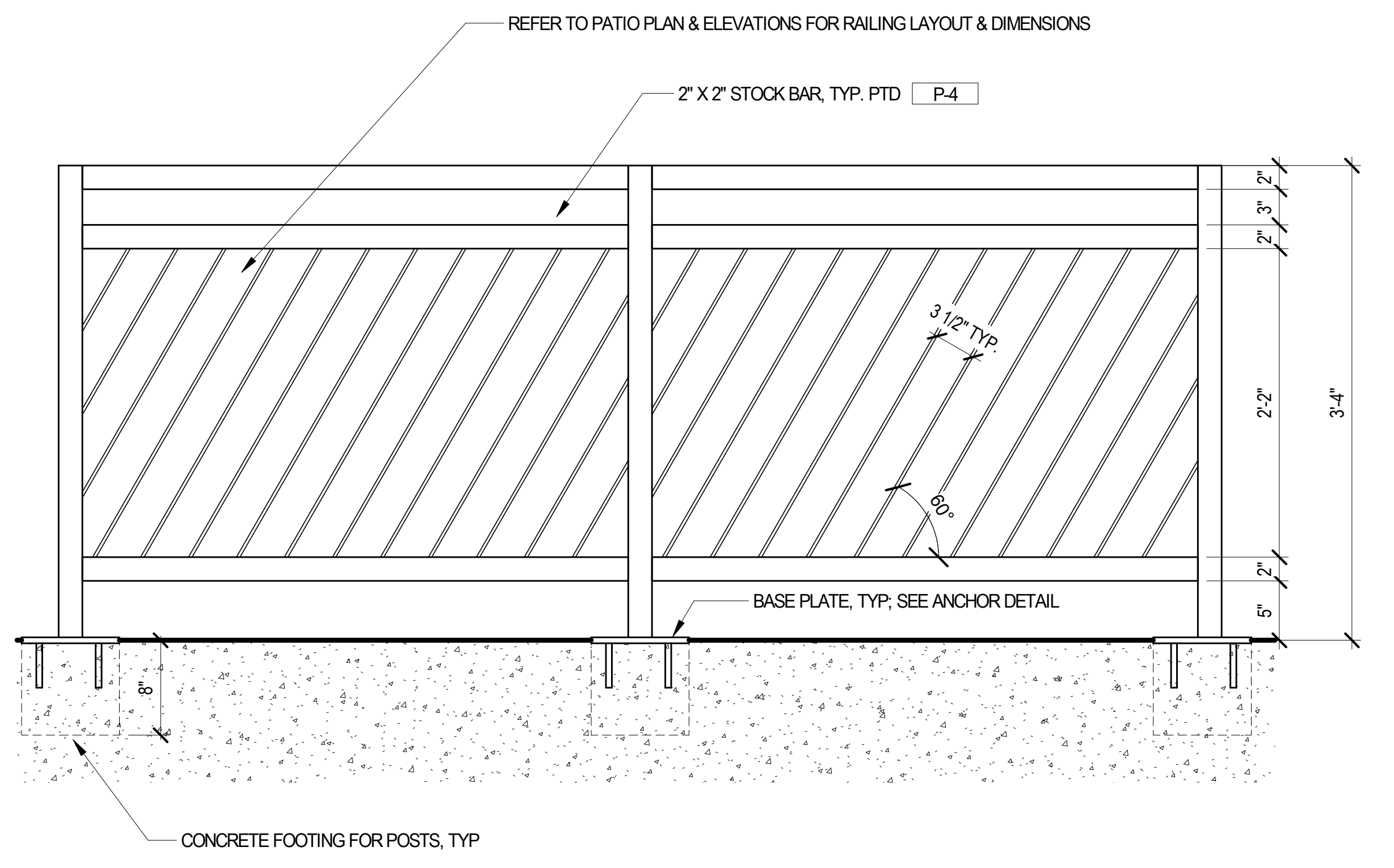
EXTERIOR PATIO ELEVATION - NORTH

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


HSS 2" X 2" X 1/8" POST; SEE ELEV
STEEL BASE PLATE 1/2" X 8" X 8"
5/8" DIA. HILTI HAS-E THREADED RODS EMBED 3-1/8" MIN
1 1/4"
8"
1 1/4"
1 1/4"
8"

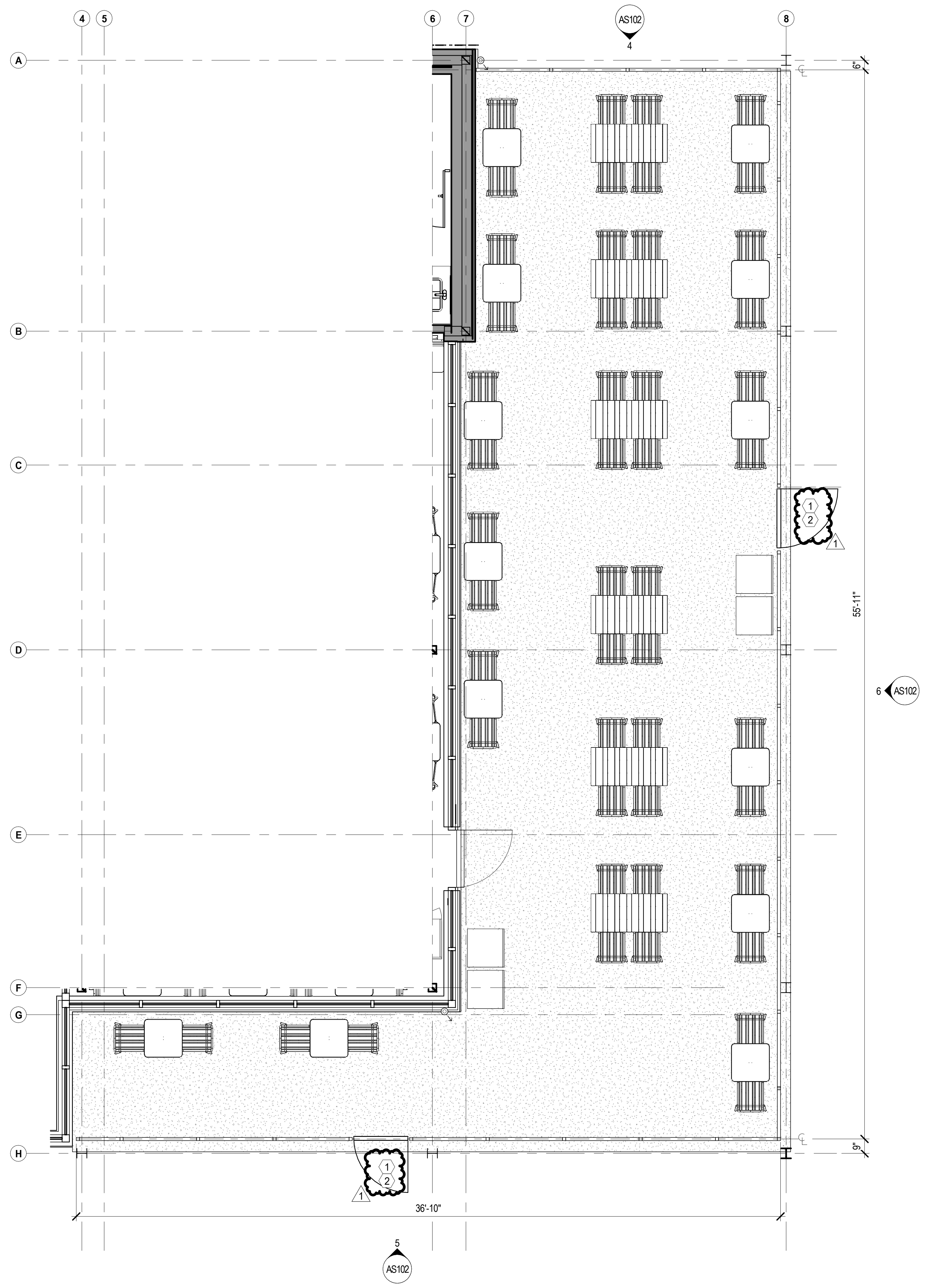
TYPICAL RAILING POST ANCHOR DETAIL

3" = 1'-0"
2" 4" 8"
3


REFER TO PATIO PLAN & ELEVATIONS FOR RAILING LAYOUT & DIMENSIONS
2" X 2" STOCK BAR, TYP. PTD P-4
3 1/2" TYP.
60°
BASE PLATE, TYP, SEE ANCHOR DETAIL
CONCRETE FOOTING FOR POSTS, TYP
2'-2"
3'-4"
8"

TYPICAL PATIO RAILING

1" = 1'-0"
6" 1'-0" 2'-0"
2


4
5
6
7
8
A
B
C
D
E
F
G
H
AS102 4
AS102 6
AS102 5
① ②
1
55'-11"
36'-10"

ENLARGED PLAN - PATIO

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

SYMBOL LEGEND

SYMBOL	DESCRIPTION
01	KEYNOTE
A	ALIGN
T-8	FINISH TAG; REFER TO FINISH SCHEDULE ON SHEET A601
101	DOOR TAG; REFER TO DOOR SCHEDULE ON SHEET A602

KEYNOTES

1

① GATE; SEE ELEVATION FOR MORE INFORMATION

② PROVIDE PANIC HARDWARE; COLOR TO MATCH RAILING

GENERAL NOTES

A. REFER TO CIVIL DRAWINGS FOR SCOPE OF WORK FOR SITE IMPROVEMENTS

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NO.	BY	DATE	DESCRIPTION
6		2021-08-09	FIELD NOTICE #3
3		2021-04-26	ISSUED FOR CONSTRUCTION
1		2021-03-09	ADDENDUM 1
		2021-01-11	PERMIT/BID SET
		2020-12-21	75% SET

SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

2051 NW LOWENSTEIN DRIVE
LEE'S SUMMIT, MISSOURI 64081
SHACK #1348

FIELD NOTICE #3

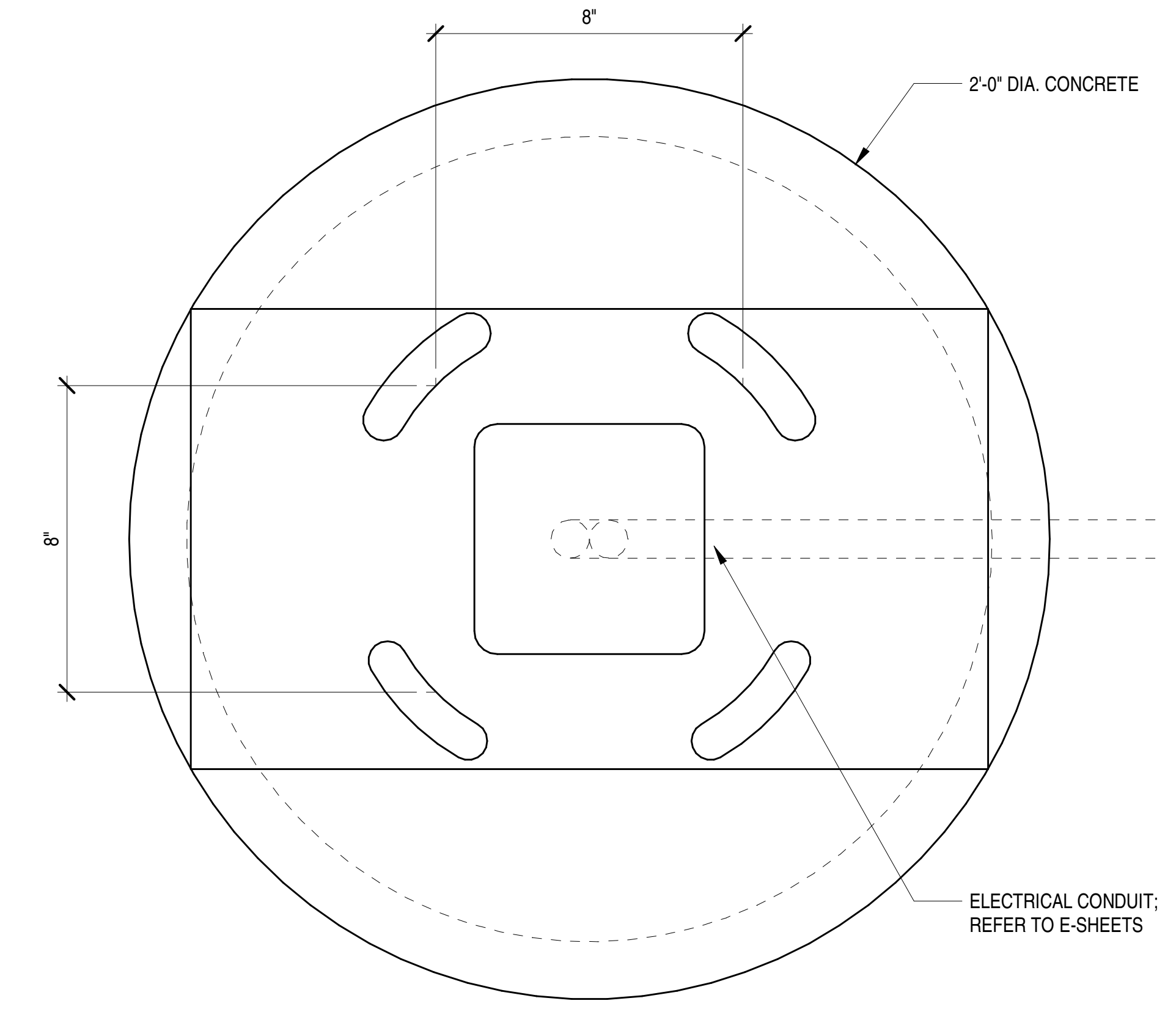
ENLARGED PATIO PLAN AND EXTERIOR DETAILS

DRAWN BY: CS & WQL
CHECKED BY: JS
JOB NO: 20068.00

6

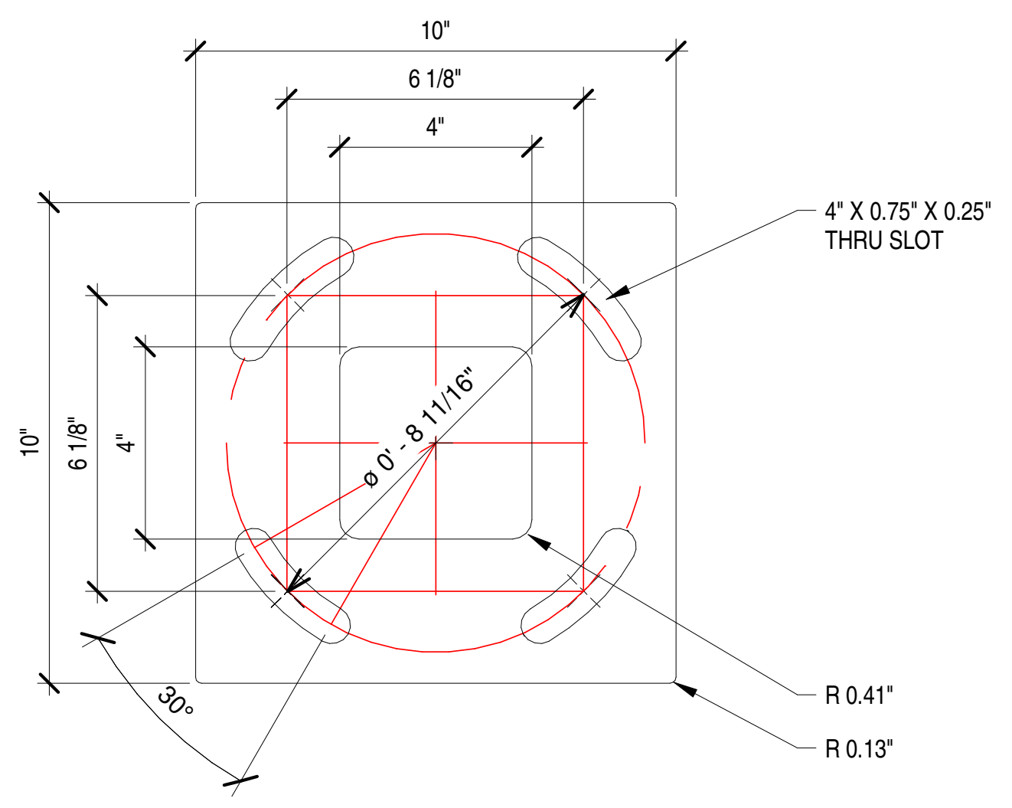
AS102

FOR REFERENCE ONLY. SIGNAGE DRAWINGS TO BE SUBMITTED UNDER A SEPARATE PERMIT


8"
8"
2'-0" DIA. CONCRETE
ELECTRICAL CONDUIT; REFER TO E-SHEETS

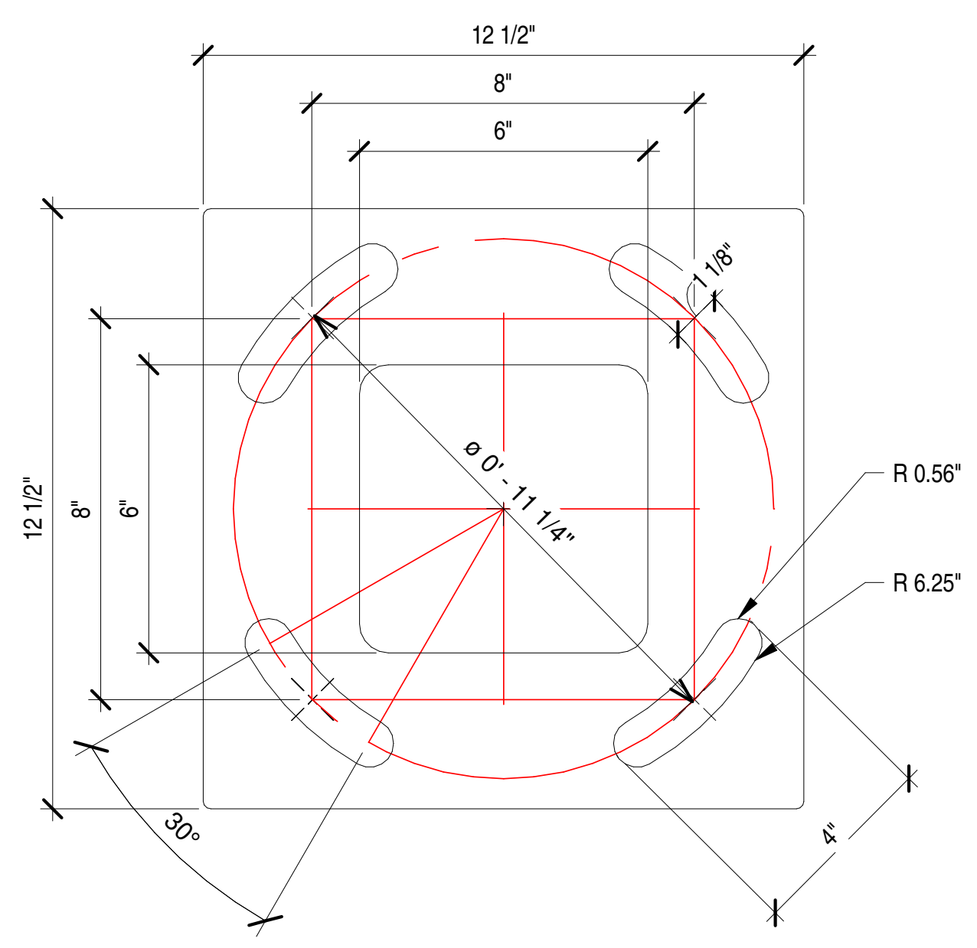
BASE PLATE DETAIL - MENU BOARDS

3" = 1'-0"
2" 4" 8"
7


10"
6 1/8"
4"
10"
6 1/8"
4"
ø 0' - 8 11/16"
30°
4" X 0.75" X 0.25" THRU SLOT
R 0.41"
R 0.13"

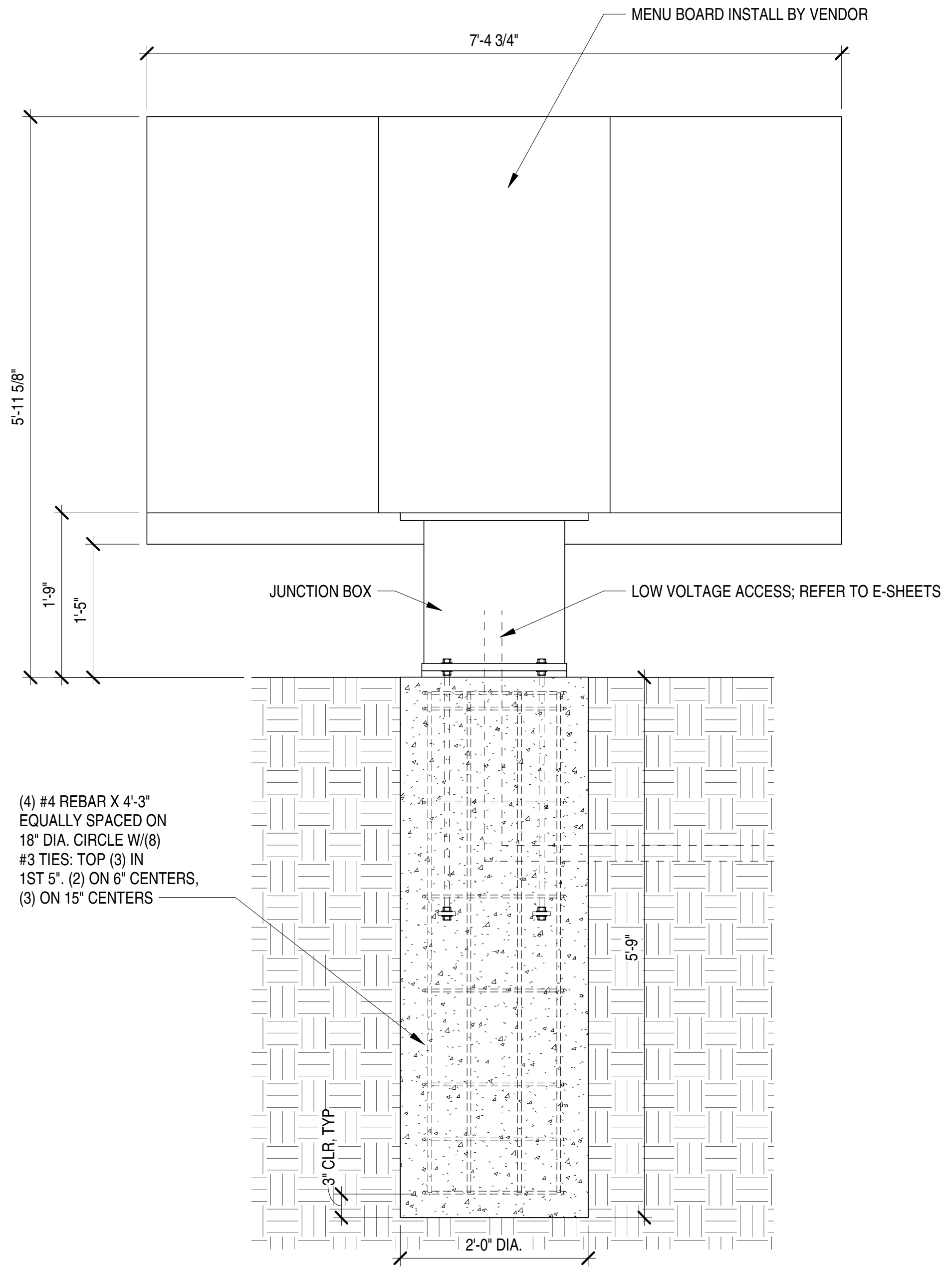
BASE PLATE DETAIL - CLEARANCE BAR

3" = 1'-0"
2" 4" 8"
6


12 1/2"
8"
6"
12 1/2"
8"
6"
1 1/8"
ø 0' - 11 1/4"
R 0.56"
R 6.25"
30°
4"

BASE PLATE DETAIL - CANOPY

3" = 1'-0"
2" 4" 8"
5


MENU BOARD INSTALL BY VENDOR
7'-4 3/4"
5'-11 5/8"
1'-9"
1'-5"
JUNCTION BOX
LOW VOLTAGE ACCESS; REFER TO E-SHEETS
5'-9"
3" CLR, TYP
2'-0" DIA.

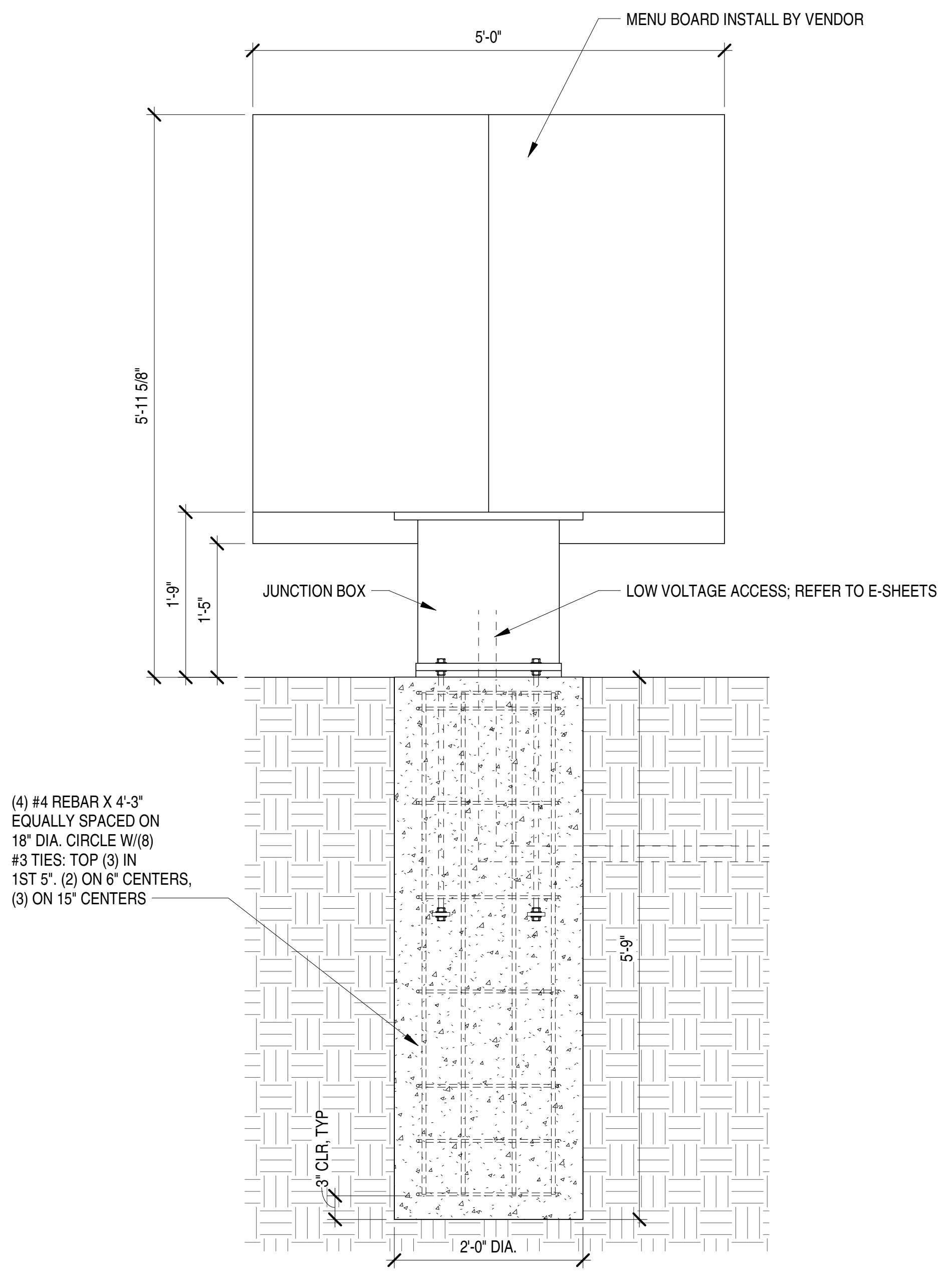
(4) #4 REBAR X 4'-3"
EQUALLY SPACED ON
18" DIA. CIRCLE W/(8)
#3 TIES: TOP (3) IN
1ST 5". (2) ON 6" CENTERS,
(3) ON 15" CENTERS

NOTE:
CONC. PIER IS TO BE POURED TIGHT
AGAINST UNDISTURBED SOIL.
BACKFILL IS NOT ACCEPTABLE.

G.C. TO SUBMIT SHOP DRAWINGS
FOR APPROVAL.

FOOTING DETAIL - MENU BOARD

3/4" = 1'-0"
6" 1'-0" 2'-0"
4


MENU BOARD INSTALL BY VENDOR
5'-0"
5'-11 5/8"
1'-9"
1'-5"
JUNCTION BOX
LOW VOLTAGE ACCESS; REFER TO E-SHEETS
5'-9"
3" CLR, TYP
2'-0" DIA.

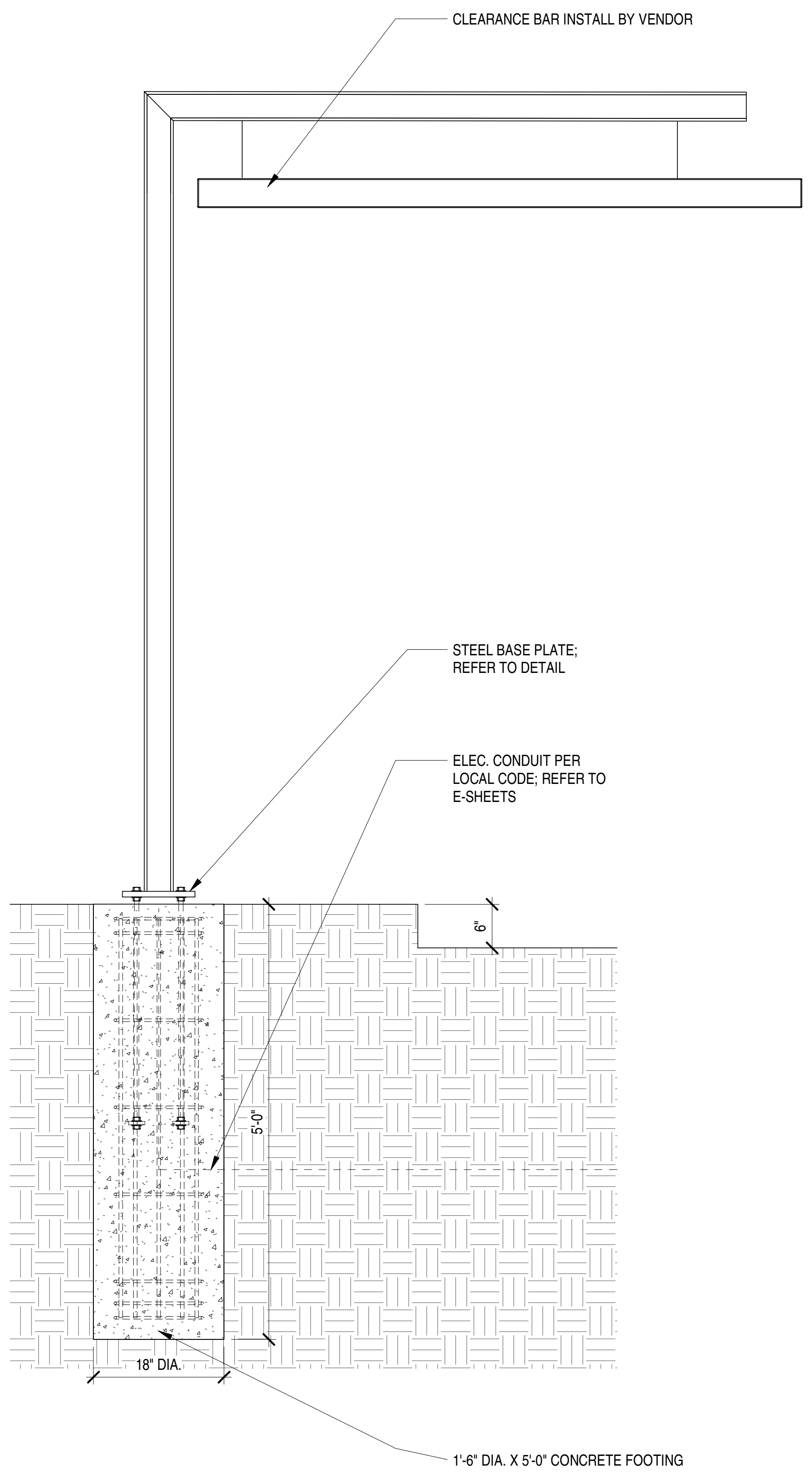
(4) #4 REBAR X 4'-3"
EQUALLY SPACED ON
18" DIA. CIRCLE W/(8)
#3 TIES: TOP (3) IN
1ST 5". (2) ON 6" CENTERS,
(3) ON 15" CENTERS

NOTE:
CONC. PIER IS TO BE POURED TIGHT
AGAINST UNDISTURBED SOIL.
BACKFILL IS NOT ACCEPTABLE.

G.C. TO SUBMIT SHOP DRAWINGS
FOR APPROVAL.

FOOTING DETAIL - PRE-ORDER MENU BOARD

3/4" = 1'-0"
6" 1'-0" 2'-0"
3

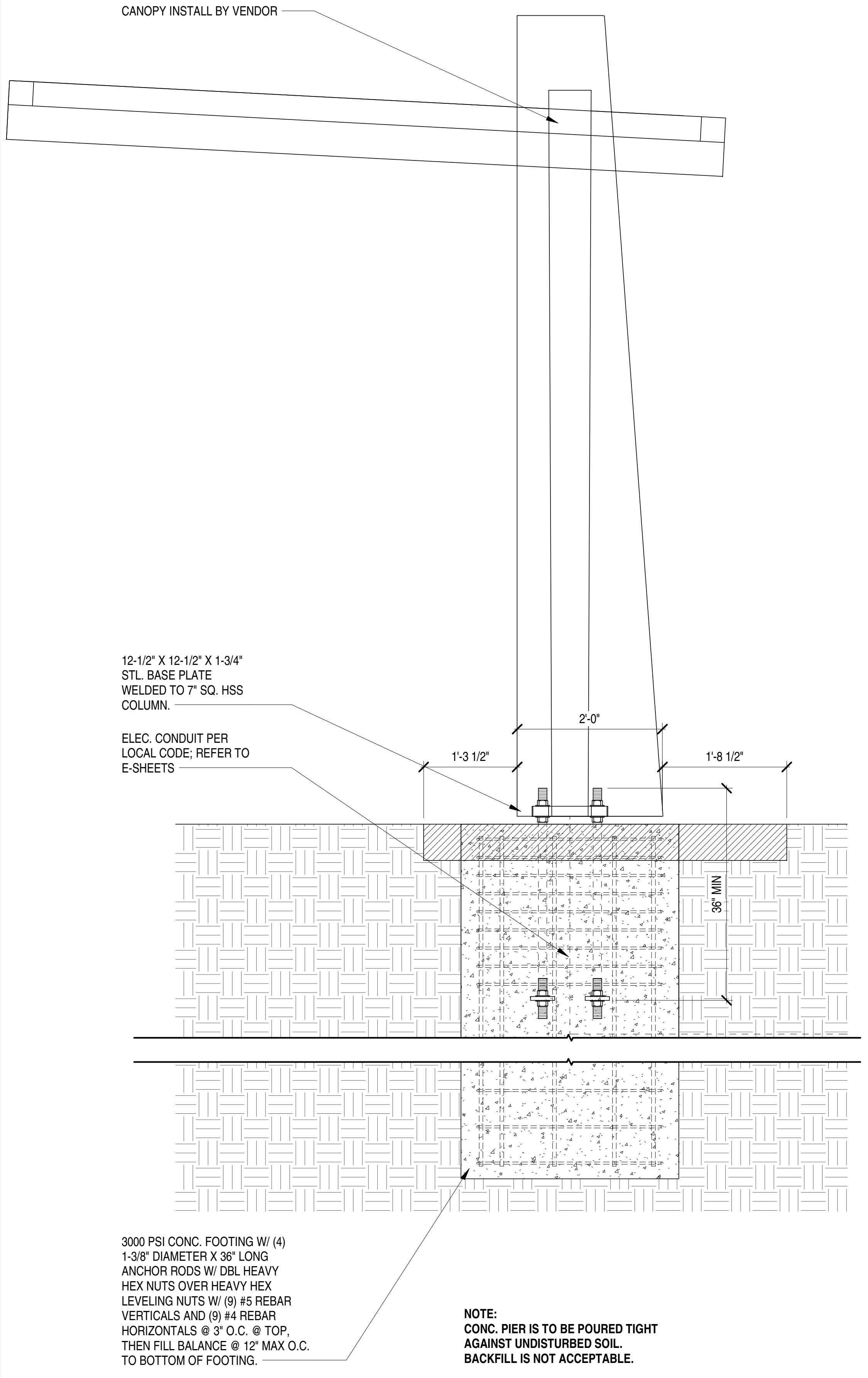

CLEARANCE BAR INSTALL BY VENDOR
STEEL BASE PLATE; REFER TO DETAIL
ELEC. CONDUIT PER LOCAL CODE; REFER TO E-SHEETS
6"
5'-0"
18" DIA.
1'-6" DIA. X 5'-0" CONCRETE FOOTING

NOTE:
CONC. PIER IS TO BE POURED TIGHT
AGAINST UNDISTURBED SOIL.
BACKFILL IS NOT ACCEPTABLE.

G.C. TO SUBMIT SHOP DRAWINGS
FOR APPROVAL.

FOOTING DETAIL - CLEARANCE BAR

3/4" = 1'-0"
6" 1'-0" 2'-0"
2


CANOPY INSTALL BY VENDOR
2'-0"
1'-3 1/2"
1'-8 1/2"
36" MIN

12-1/2" X 12-1/2" X 1-3/4"
STL. BASE PLATE
WELDED TO 7" SQ. HSS
COLUMN.

ELEC. CONDUIT PER
LOCAL CODE; REFER TO
E-SHEETS

3000 PSI CONC. FOOTING W/ (4)
1-3/8" DIAMETER X 36" LONG
ANCHOR RODS W/ DBL HEAVY
HEX NUTS OVER HEAVY HEX
LEVELING NUTS W/ (9) #5 REBAR
VERTICALS AND (9) #4 REBAR
HORIZONTALS @ 3" O.C. @ TOP,
THEN FILL BALANCE @ 12" MAX O.C.
TO BOTTOM OF FOOTING.

NOTE:
CONC. PIER IS TO BE POURED TIGHT
AGAINST UNDISTURBED SOIL.
BACKFILL IS NOT ACCEPTABLE.

G.C. TO SUBMIT SHOP DRAWINGS
FOR APPROVAL.

FOOTING DETAIL - CANOPY

3/4" = 1'-0"
6" 1'-0" 2'-0"
1

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6		2021-08-09	FIELD NOTICE #3

SHAKE SHACK®

SHAKE SHACK - LEE'S SUMMIT MO

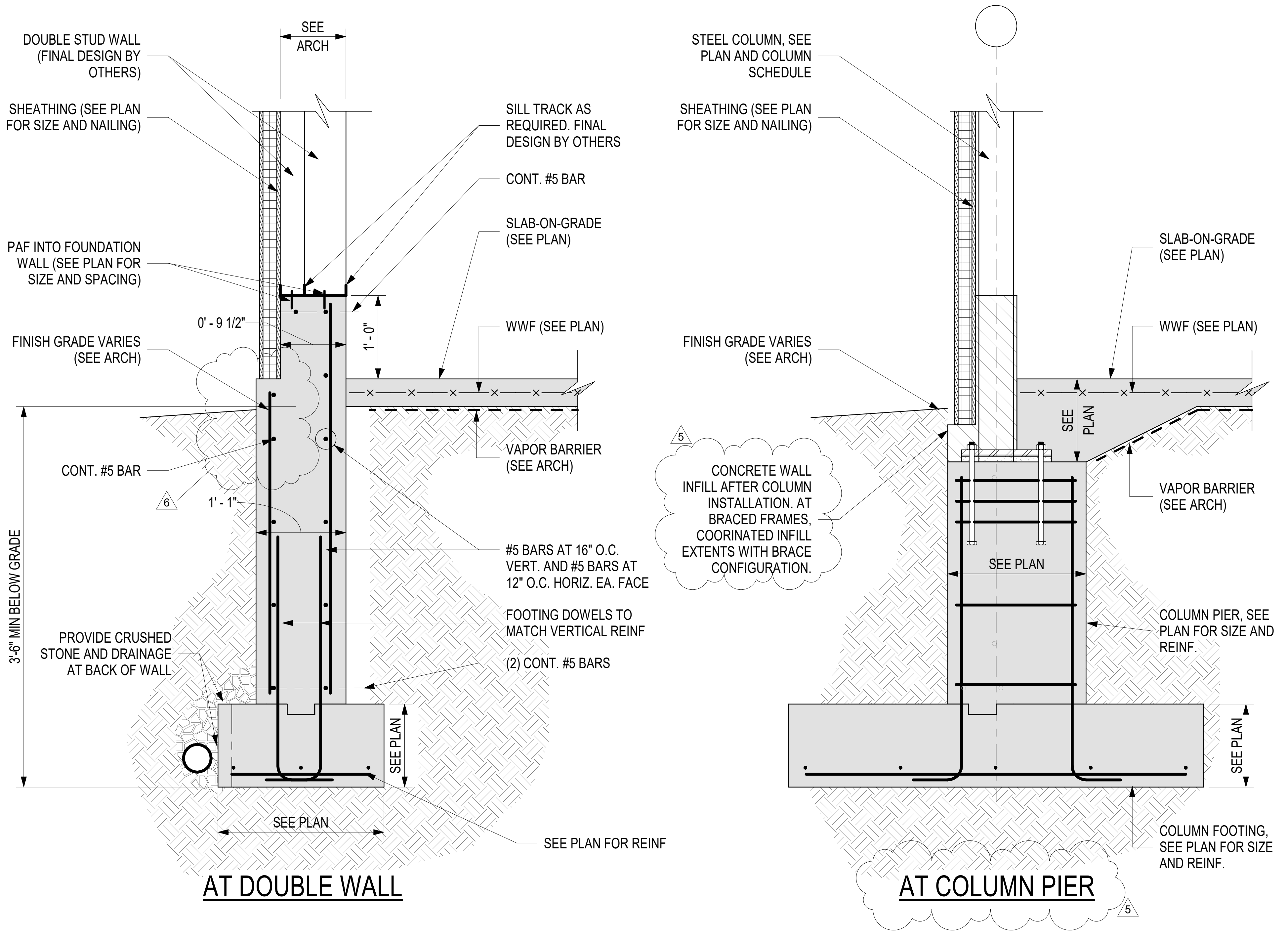
2051 NW LOWENSTEIN DRIVE
LEE'S SUMMIT, MISSOURI 64081
SHACK #1348

FIELD NOTICE #3

SITE DETAILS

DRAWN BY: Author
CHECKED BY: Checker
JOB NO: 20068.00

AS201


SEE ARCH
DOUBLE STUD WALL (FINAL DESIGN BY OTHERS)
SHEATHING (SEE PLAN FOR SIZE AND NAILING)
SILL TRACK AS REQUIRED. FINAL DESIGN BY OTHERS
CONT. #5 BAR
SLAB-ON-GRADE (SEE PLAN)
PAF INTO FOUNDATION WALL (SEE PLAN FOR SIZE AND SPACING)
0' - 9 1/2"
1' - 0"
WWF (SEE PLAN)
FINISH GRADE VARIES (SEE ARCH)
VAPOR BARRIER (SEE ARCH)
CONT. #5 BAR
6
1' - 1"
3'-6" MIN BELOW GRADE
#5 BARS AT 16" O.C. VERT. AND #5 BARS AT 12" O.C. HORIZ. EA. FACE
FOOTING DOWELS TO MATCH VERTICAL REINF
PROVIDE CRUSHED STONE AND DRAINAGE AT BACK OF WALL
(2) CONT. #5 BARS
SEE PLAN
SEE PLAN
SEE PLAN FOR REINF
STEEL COLUMN, SEE PLAN AND COLUMN SCHEDULE
SHEATHING (SEE PLAN FOR SIZE AND NAILING)
SLAB-ON-GRADE (SEE PLAN)
WWF (SEE PLAN)
FINISH GRADE VARIES (SEE ARCH)
SEE PLAN
5
CONCRETE WALL INFILL AFTER COLUMN INSTALLATION. AT BRACED FRAMES, COORINATED INFILL EXTENTS WITH BRACE CONFIGURATION.
VAPOR BARRIER (SEE ARCH)
SEE PLAN
COLUMN PIER, SEE PLAN FOR SIZE AND REINF.
SEE PLAN
COLUMN FOOTING, SEE PLAN FOR SIZE AND REINF.
5
STUD WALL (FINAL DESIGN BY OTHERS)
SHEATHING (SEE PLAN FOR SIZE AND NAILING)
SILL TRACK AS REQUIRED. FINAL DESIGN BY OTHERS
CONT. #5 BAR
SLAB-ON-GRADE (SEE PLAN)
PAF INTO FOUNDATION WALL (SEE PLAN FOR SIZE AND SPACING)
0' - 6"
1' - 0"
WWF (SEE PLAN)
FINISH GRADE VARIES (SEE ARCH)
VAPOR BARRIER (SEE ARCH)
CONT. #5 BAR
6
0' - 10"
3'-6" MIN BELOW GRADE
#5 BARS AT 16" O.C. VERT. AND #5 BARS AT 12" O.C. HORIZ.
FOOTING DOWELS TO MATCH VERTICAL REINF
PROVIDE CRUSHED STONE AND DRAINAGE AT BACK OF WALL
(2) CONT. #5 BARS
SEE PLAN
SEE PLAN
SEE PLAN FOR REINF

AT DOUBLE WALL

AT COLUMN PIER

TYPICAL

1 S100 FROST WALL SECTIONS

SCALE: 1" = 1'-0"

REBAR DEVELOPMENT TABLE

1. FOR USE WITH GRADE 60 DEFORMED REBARS
2. TOP BARS ARE BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BARS (PER ACI)
3. FOR GR 75 KSI REBAR, SPLICES IN TABLE BELOW SHALL BE INCREASE BY 25%.

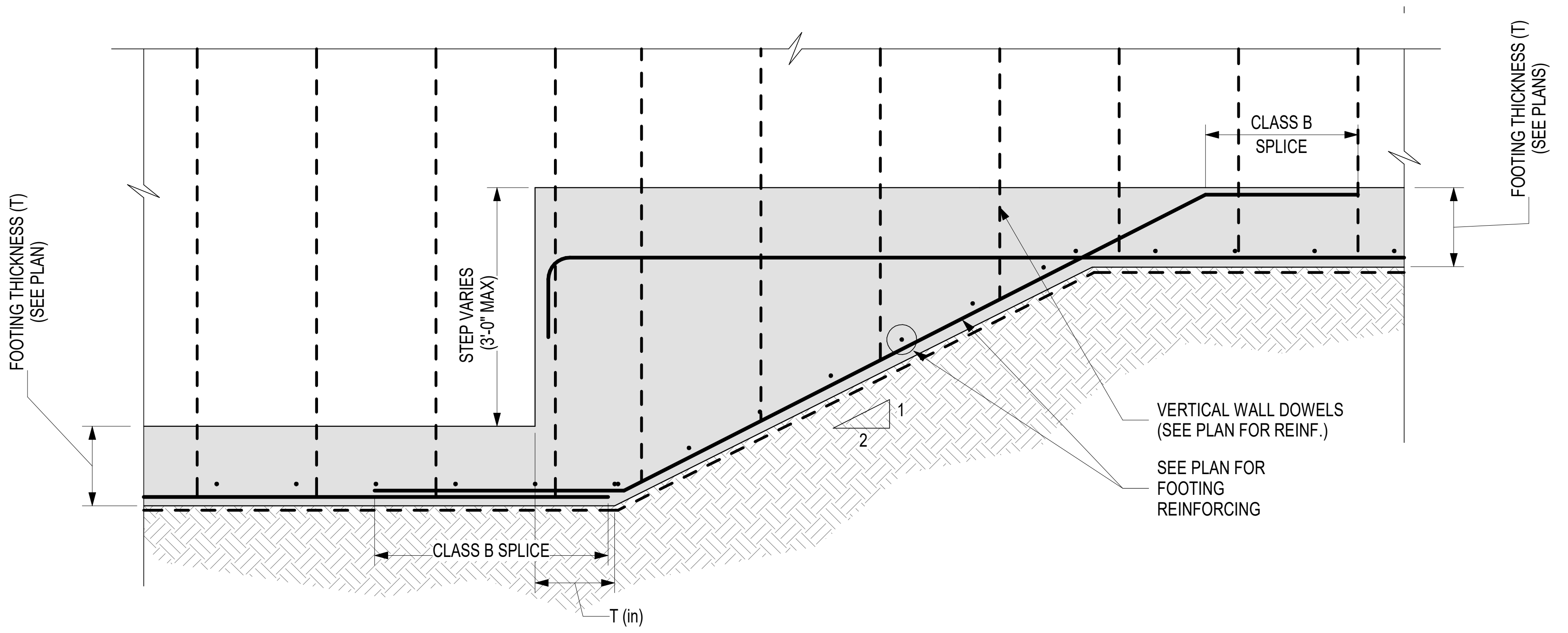
f'c=4000 PSI - NWC

NWC=NORMAL WEIGHT CONCRETE
LWC=LIGHTWEIGHT CONCRETE
C=BAR CLEAR COVER (in)
S=CLEAR BAR SPACING (in)
E=EPOXY COATED REBAR
U=UNCOATED REBAR

REBAR SIZE	**CLASS A SPLICE =** TENSION DEVELOPMENT LENGTH **CLASS B SPLICE =** LAP SPLICE LENGTH	C ≥ 0.75 in				C ≥ 1.0 in				C ≥ 1.25 in				C ≥ 1.50 in				C ≥ 2.00 in				C ≥ 3.00 in			
		S ≥ 1.50 in				S ≥ 2.0 in				S ≥ 2.50 in				S ≥ 3.0 in				S ≥ 4.0 in				S ≥ 6.0 in			
		U		E		U		E		U		E		U		E		U		E		U		E	
		TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER
#3	A	12	12	15	13	12	12	15	13	12	12	14	12	12	12	14	12	12	12	14	12	12	12	14	12
	B	15	12	19	17	15	12	19	17	15	12	18	14	15	12	18	14	15	12	18	14	15	12	18	14
#4	A	19	15	25	22	15	12	20	18	15	12	20	18	15	12	18	14	15	12	18	14	15	12	18	14
	B	25	19	32	28	20	15	26	23	20	15	26	23	20	15	24	18	20	15	24	18	20	15	24	18
#5	A	28	21	36	32	23	17	29	26	19	15	25	22	19	15	25	22	19	15	23	18	19	15	23	18
	B	36	28	47	41	29	23	38	34	25	19	32	28	25	19	32	28	25	19	29	23	25	19	29	23
#6	A	37	29	49	43	31	24	40	35	26	20	34	30	23	18	30	26	23	18	30	26	23	18	27	21
	B	49	37	63	56	40	31	52	46	34	26	44	39	29	23	38	34	29	23	38	34	29	23	35	27
#7	A	60	46	78	69	50	38	65	57	42	33	55	49	37	29	48	43	33	25	43	38	33	25	39	30
	B	78	60	102	90	65	50	84	74	55	42	72	63	48	37	63	55	43	33	56	49	43	33	51	39
#8	A	74	57	97	86	62	48	81	72	53	41	70	61	47	36	61	54	37	29	49	43	37	29	45	35
	B	97	74	126	111	81	62	105	93	69	53	90	80	61	47	79	70	49	37	63	56	49	37	58	45
#9	A	90	69	118	104	76	58	99	87	65	50	85	75	58	44	75	66	46	36	61	53	42	33	55	49
	B	117	90	153	135	98	76	128	113	85	65	111	98	75	58	97	86	60	46	79	69	55	42	71	63
#10	A	108	83	141	125	92	71	120	106	80	61	104	92	70	54	92	81	57	44	75	66	47	37	62	55
	B	141	108	184	162	119	92	156	137	103	80	135	119	91	70	119	105	74	57	97	85	62	47	80	71
#11	A	127	98	166	146	108	83	142	125	95	73	124	109	84	65	110	97	68	53	89	79	53	41	69	61
	B	165	127	215	190	141	108	184	162	123	95	160	142	109	84	142	126	89	68	116	102	68	53	89	79

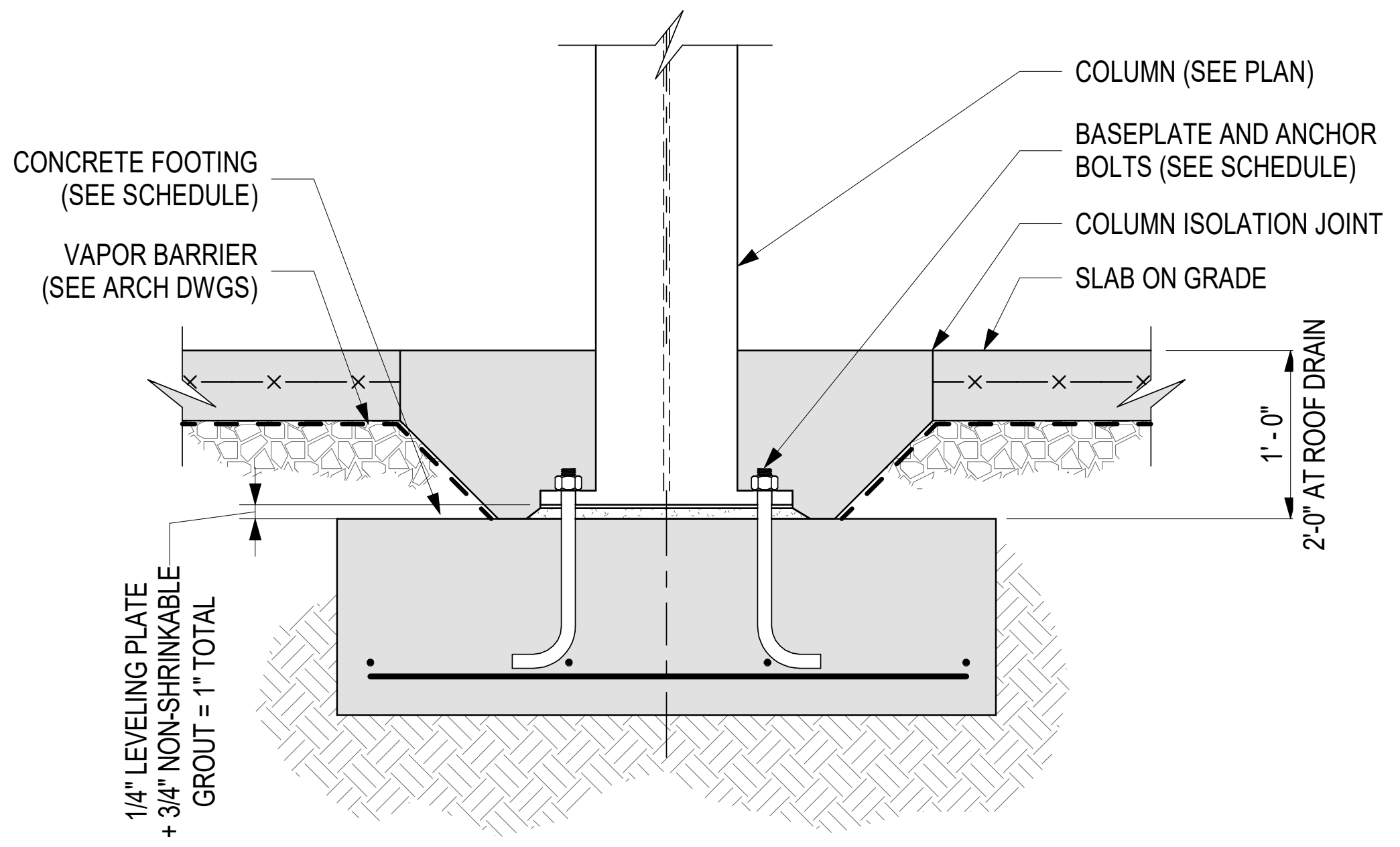
5 SPLICE TABLE 4000PSI NWC1

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


FOOTING THICKNESS (T) (SEE PLAN)
STEP VARIES (3'-0" MAX)
CLASS B SPLICE
FOOTING THICKNESS (T) (SEE PLANS)
1
2
VERTICAL WALL DOWELS (SEE PLAN FOR REINF.)
SEE PLAN FOR FOOTING REINFORCING
CLASS B SPLICE
T (in)

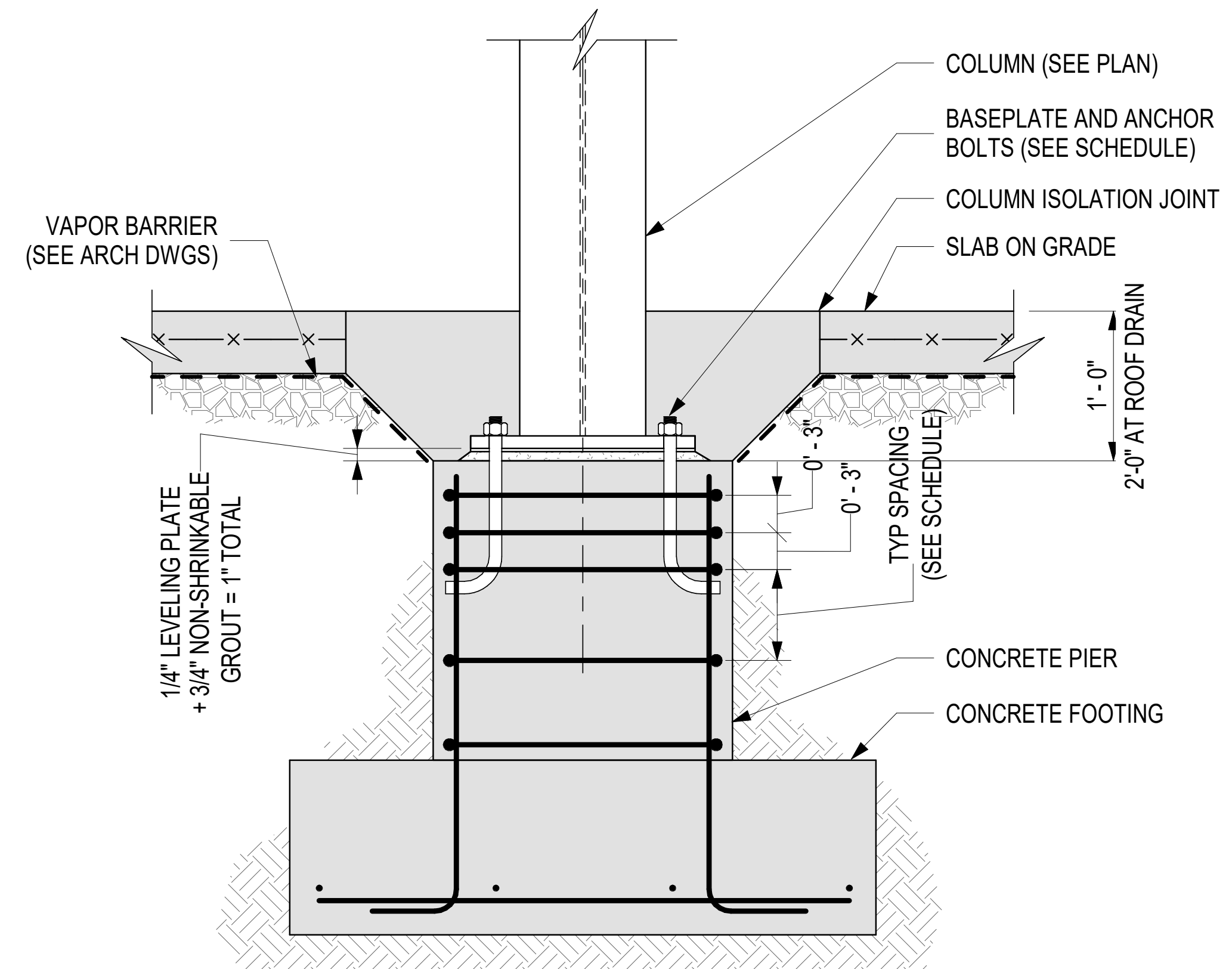
4 TYPICAL STEPPED FOOTING DETAIL

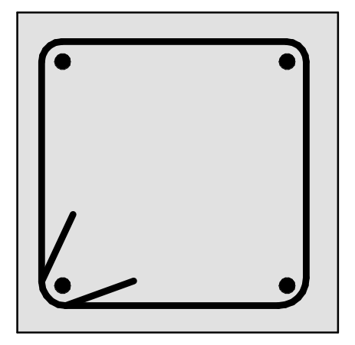
SCALE: 3/4" = 1'-0"


COLUMN (SEE PLAN)
CONCRETE FOOTING (SEE SCHEDULE)
BASEPLATE AND ANCHOR BOLTS (SEE SCHEDULE)
COLUMN ISOLATION JOINT
VAPOR BARRIER (SEE ARCH DWGS)
SLAB ON GRADE
1' - 0"
2'-0" AT ROOF DRAIN
1/4" LEVELING PLATE + 3/4" NON-SHRINKABLE GROUT = 1" TOTAL

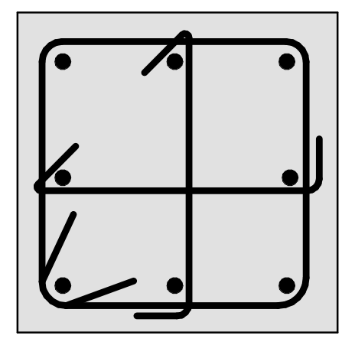
3 S100 TYPICAL INTERIOR COLUMN FOOTING DETAIL

SCALE: 1" = 1'-0"


COLUMN (SEE PLAN)
BASEPLATE AND ANCHOR BOLTS (SEE SCHEDULE)
VAPOR BARRIER (SEE ARCH DWGS)
COLUMN ISOLATION JOINT
SLAB ON GRADE
1' - 0"
2'-0" AT ROOF DRAIN
0' - 3"
0' - 3"
TYP SPACING (SEE SCHEDULE)
1/4" LEVELING PLATE + 3/4" NON-SHRINKABLE GROUT = 1" TOTAL
CONCRETE PIER
CONCRETE FOOTING



4-BAR CONFIGURATION



8-BAR CONFIGURATION

NOTES:
1. SEE PIER AND FOOTING SCHEDULE FOR GEOMETRY AND REINFORCING SIZE/SPACING.
2. AT EXTERIOR CONDITIONS OR WHERE THE FOOTING IS EXPOSED TO FREEZE THAW, THE BOTTOM OF FOOTING SHALL EXTEND A MINIMUMN OF 4'-0" BELOW FINISHED GRADE.
3. REFER TO GEOTECH REPORT FOR SUBGRACE PREPARATION AND OVEREXCAVATE AND REPLACE REQUIREMENTS.

2 TYPICAL COLUMN PIER AND FOOTING DETAIL

SCALE: 1" = 1'-0"

C:\Users\EricPiza\Hayes & O'Neill\20-128 Shake Shack Lees Summit - Documents\03 Structural Drawings\Structural Revit\20-128 Shake Shack Lee's Summit - Structural - R2019.rvt

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6		2021-08-09	FIELD NOTICE #3
5		2021-04-26	ISSUED FOR CONSTRUCTION
4		2021-03-31	ADDENDUM 2
2		2021-01-11	PERMIT/BID SET
1		2020-12-21	75% SET

SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

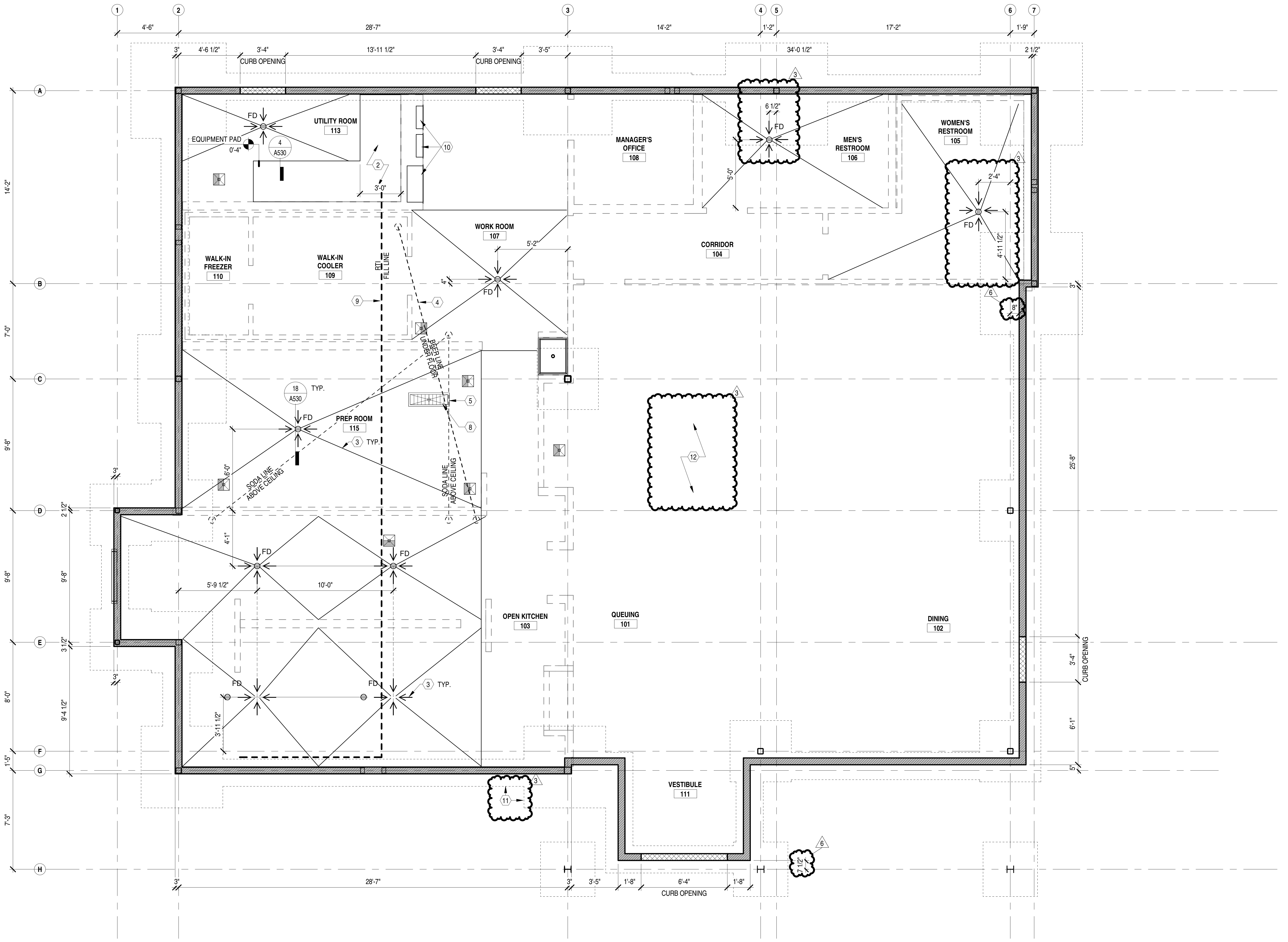
2051 NW LOWENSTEIN DRIVE
LEE'S SUMMIT, MISSOURI 64081
SHACK #1348

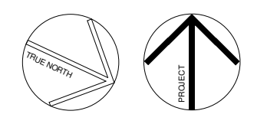
ISSUED FOR CONSTRUCTION

CONCRETE DETAILS I

DRAWN BY: ESP
CHECKED BY: RFH
JOB NO: 20-128

S400


1
2
3
4
5
6
7
A
B
C
D
E
F
G
H
4'-6"
28'-7"
14'-2"
1'-2"
17'-2"
1'-9"
4'-6 1/2"
3'-4"
13'-11 1/2"
3'-4"
3'-5"
34'-0 1/2"
2 1/2"
CURB OPENING
CURB OPENING
UTILITY ROOM
113
EQUIPMENT PAD
0'-4"
4
A530
FD
MANAGER'S OFFICE
108
MEN'S RESTROOM
106
WOMEN'S RESTROOM
105
6 1/2"
5'-0"
2'-4"
4'-11 1/2"
WORK ROOM
107
5'-2"
CORRIDOR
104
WALK-IN FREEZER
110
WALK-IN COOLER
109
RTI FILL LINE
BEER LINE UNDER FLOOR
SODA LINE ABOVE CEILING
18
A530
TYP.
PREP ROOM
115
3
TYP
OPEN KITCHEN
103
QUEUING
101
DINING
102
VESTIBULE
111
5'-9 1/2"
10'-0"
4'-1"
3'-11 1/2"
25'-8"
3'-4"
CURB OPENING
6'-1"
6'-4"
1'-8"
28'-7"
3'-5"
CURB OPENING
7'-0"
9'-8"
9'-8"
8'-0"
7'-3"
1'-5"
2 1/2"
3 1/2"
9'-4 1/2"
10
9
4
5
8
2
11
12


TRUE NORTH
PROJECT

CURB & FOUNDATION PLAN

1/4" = 1'-0"

2'-0" 4'-0" 8'-0"

1

NOT USED

KEY NOTES

1. FLOOR DRAINS & FLOOR SINKS, COORDINATE WITH KEC DRAWINGS AND PLUMBING DRAWINGS. REFER TO KEC DRAWINGS FOR DIMENSIONED LOCATIONS OF FLOOR SINKS AND FLOOR TROUGH
2. CONCRETE EQUIPMENT PAD, REFER TO DIMENSION PLAN FOR OVERALL DIMENSIONS; COORDINATE WITH STRUCTURAL DRAWINGS
3. INDICATES SLOPE TO DRAIN. GC TO COORDINATE MAX 1/8" SLOPE PER 12", TYP.
4. BEER LINES TO RUN THROUGH 6" PVC CONDUIT; UNIT RUN TO BE VERIFIED IN FIELD. COORDINATE WITH K-SHEETS AND OWNER'S VENDOR. CONDUIT TO EXTEND APPROX. 4"-6" AFF AND BE WATERPROOFED.
5. SODA LINE TO RUN ABOVE CEILING; UNIT RUN TO BE VERIFIED IN FIELD. COORDINATE WITH K-SHEETS AND OWNER'S VENDOR.
6. RTI FLUSH MOUNT FILL BOX CONNECTION POINT; GC TO COORDINATE FINAL LOCATION AND RUN WITH OWNER'S VENDOR
7. C02 FILL BOX CONNECTION POINT; GC TO COORDINATE FINAL LOCATION AND RUN WITH OWNER'S VENDOR
8. 4" DEEP DEPRESSION FOR FLOOR TROUGH; COORDINATE WITH K-SHEETS
9. RTI OIL FILL AND RETURN PIPING TO RUN ABOVE LAY-IN CEILING FROM RTI TANKS AND CONNECT TO FRYERS; GC TO PIPE TO OIL TANKS; COORDINATE WITH K-SHEETS AND OWNER'S VENDOR
10. ELECTRICAL PANELS, NO PLUMBING PIPING SHALL BE ROUTED OVER ELECTRICAL PANELS OR TRANSFORMERS AND THEIR WORKING SPACE. REFER TO E-SHEETS
11. STRUCTURAL FOUNDATION; REFER TO STRUCTURAL 3
12. REFER TO CIVIL FOR FINISH FLOOR ELEVATION

SYMBOL LEGEND

SYMBOL	DESCRIPTION
- - - -	INTERIOR PARTITION
01	KEYNOTE
◍ FD	FLOOR DRAIN; GC TO COORDINATE W/ P-SHEETS
⊠	FLOOR SINK; GC TO COORDINATE W/ P-SHEETS & K-SHEETS
⟶	SLOPE DIRECTION
⊠	FLOOR TROUGH; GC TO COORDINATE W/ P-SHEETS & K-SHEETS

GENERAL NOTES

A. REFER TO STRUCTURAL DRAWINGS FOR CONCRETE DETAILING, MIX DESIGN & REINFORCING
B. ALL DIMENSIONS ARE TO FACE OF SHEATHING, UNLESS NOTED OTHERWISE.
C. ALL TARGET ELEVATIONS ARE TAKEN FROM T.O. CONCRETE SLAB

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NO.	BY	DATE	DESCRIPTION
6		2021-08-09	FIELD NOTICE #3
3		2021-04-26	ISSUED FOR CONSTRUCTION
		2021-01-11	PERMIT/BID SET
		2020-12-21	75% SET

SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

2051 NW LOWENSTEIN DRIVE
LEE'S SUMMIT, MISSOURI 64081
SHACK #1348

FIELD NOTICE #3

CURB & FOUNDATION PLAN

DRAWN BY:	CS & WQL
CHECKED BY:	JS
JOB NO:	20068.00

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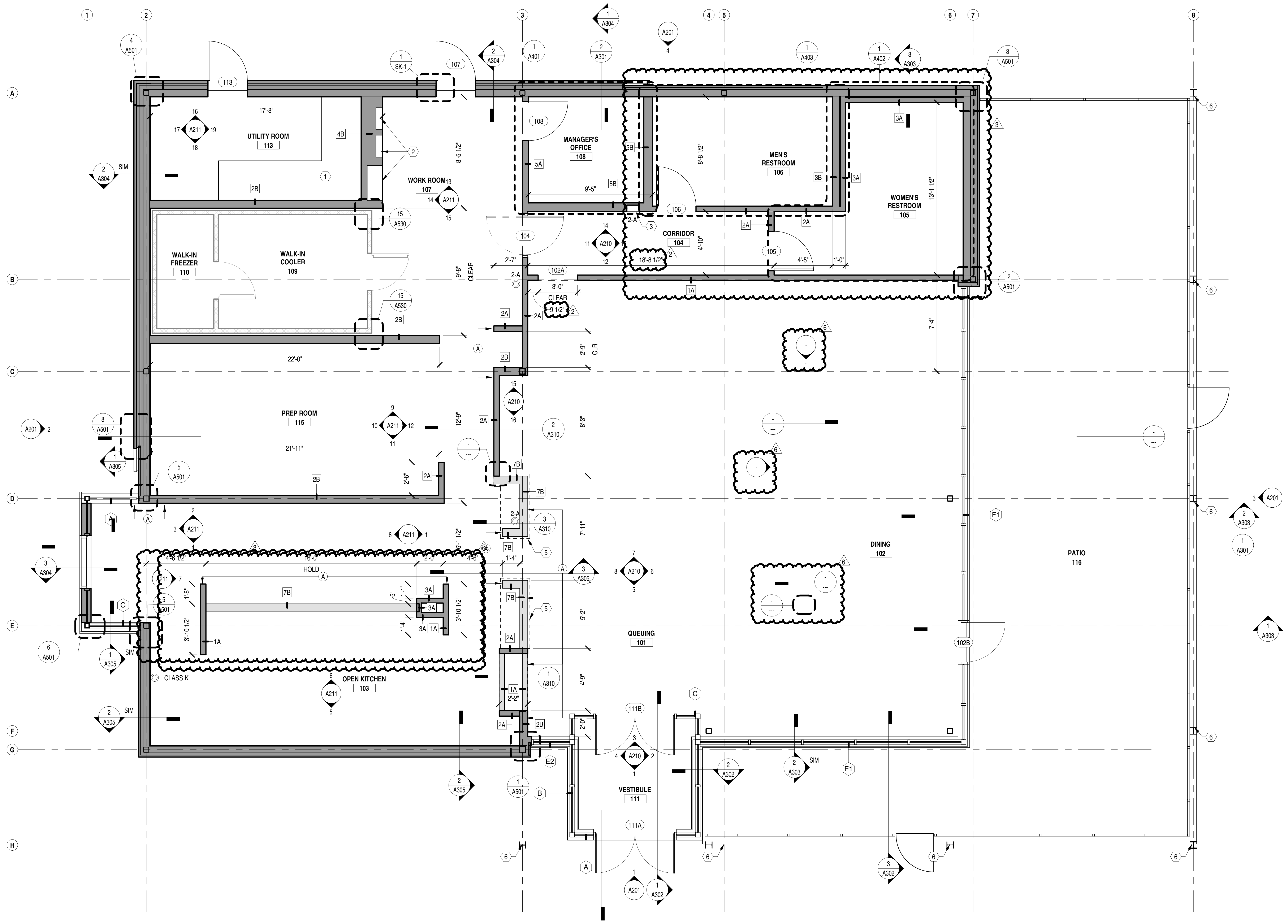

DIMENSIONED PLAN

1/4" = 1'-0"

2'-0" 4'-0" 8'-0"

1

NOT USED

KEY NOTES

1. RAISED CONCRETE PLATFORM. REFER TO CURB & FOUNDATION PLAN.
2. LOCATION OF ELECTRICAL PANELS; COORDINATE WITH ELECTRICAL DRAWINGS
3. RECESSED FIRE EXTINGUISHER CABINET. REFER TO DETAIL 23 / A530
4. PROVIDE (1) LAYER OF F.R.T. PLYWOOD AND (1) LAYER 5/8" GWB ON METAL STUDS IN MANAGER'S OFFICE ONLY.
5. DASHED LINE REPRESENTS COUNTERTOP. REFER TO A104 FOR DIMENSIONS OF GC BUILT COUNTER TOP.
6. NEW COLUMNS TO SUPPORT CANOPY ABOVE; REFER TO STRUCTURAL
7. PATIO RAILINGS AND GATES; REFER TO AS102

SYMBOL LEGEND

SYMBOL	DESCRIPTION
▬	NEW PARTITION (FULL HEIGHT)
▭	NEW PARTITION (PARTIAL HEIGHT - SEE ELEV. FOR MORE INFO)
▨	PREFAB WALLS BY KEC
◜	NEW DOOR
101	DOOR TAG. SEE SHEET A602 FOR DOOR SCHEDULE
01	KEYNOTE
1A	WALL PARTITION TAG. SEE SHEET A510 FOR PARTITION DETAILS.
A	STOREFRONT TAG. SEE SHEET A603
◎ FE	FIRE EXTINGUISHER
A	ALIGN

GENERAL NOTES

A. WORK TO BE NEW U.N.O.
B. SEE RESPONSIBILITY SCHEDULE FOR DIVISION OF LABOR.
C. WORK SHALL COMPLY WITH FEDERAL, STATE AND LOCAL BUILDING CODES AND REGULATIONS.
D. GC IS RESPONSIBLE FOR MAINTAINING THE FIRE RATING INTEGRITY AT DEMISING AND FIRE RATED WALLS, EXISTING COLUMNS, AS WELL AS AT THE FLOOR AND FLOOR/ROOF ASSEMBLY ABOVE. VERIFY APPLICABLE CONDITIONS IN FIELD.
E. CONTRACTORS SHALL FIELD VERIFY CONDITIONS AND DIMENSIONS THAT IMPACT WORK PRIOR TO START OF CONSTRUCTION.
F. CONFLICTS BETWEEN SITE CONDITIONS AND DRAWINGS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT/DESIGNER.
G. DIMENSIONS ARE TO BE TO FACE OF SHEATHING. U.N.O. APPLIED MATERIALS ARE TO BE APPLIED AFTER THE FINISH DIMENSIONS HAVE BEEN CONFIRMED.
H. SEE ENLARGED PLANS FOR DIMENSIONS WHICH ARE NOT SHOWN ON CONSTRUCTION PLAN.
I. DRAWINGS ARE NOT TO BE SCALED. VERIFY ANY MISSING OR CONFLICTING WRITTEN DIMENSIONS WITH THE ARCHITECT/DESIGNER PRIOR TO CONSTRUCTION.
J. NOTIFY ARCHITECT OF CONDITIONS WHERE CLEAR OR CRITICAL DIMENSIONS ARE DESIGNATED BUT CANNOT BE MET OR WHERE CORRIDOR/ AISLE WIDTH CANNOT MEET THE MINIMUM REQUIREMENT
K. MAINTAIN FINISH FLOOR BASE ELEVATION THROUGHOUT THE CONTRACT AREA SUCH THAT DIMENSIONS INDICATED AS ABOVE FINISH FLOOR ARE AT THE SAME ELEVATION.
L. GC SHALL SUPPLY FIELD CONDITIONS AND DIMENSIONS TO THE ARCHITECT, MILLWORKER, OWNER AND OWNER'S CONTRACTORS.
M. GC RESPONSIBLE FOR PREPARATION WORK REQUIRED TO INSTALL NEW FLOORING TO MANUFACTURER'S SPECIFICATIONS.
N. GC TO COORDINATE WITH OWNER'S VENDORS TO ALLOW FOR PROPER INSTALLATION OF OWNER SUPPLIED ITEMS. GC TO SCHEDULE DELIVERY / INSTALLATION DATES AT THE BEGINNING OF THE JOB TO GUARANTEE COMPLIANCE WITH CONSTRUCTION SCHEDULE.
O. TEMPERED GLASS TO BE USED IN LOCATIONS AS REQUIRED BY CODE.
P. ALIGN CENTERLINES OF FIRE EXTINGUISHERS AND MEP-FP DEVICES ON WALLS IN THE SAME LOCATION.
Q. DOORS HINGE SIDE TO BE 4" FROM WALL, U.N.O.
R. ALL WOOD BLOCKING, FRAMING, PLYWOOD, SUBFLOORS, ETC., TO BE FIRE TREATED (DESIGNATED F.R.T.)
S. OWNER AND ARCHITECT TO BE NOTIFIED AFTER FLOOR/ WALL LAYOUT FOR REVIEW PRIOR TO CONSTRUCTION.
T. REFER TO K-SHEETS, P-SHEETS AND THE CURB & FOUNDATION PLAN FOR FLOOR DRAINS, FLOOR SINKS, AND DEPRESSION LOCATIONS
U. FIRE EXTINGUISHERS SUPPLIED BY G.C.; PROVIDE FIRE EXTINGUISHERS IN QUANTITIES AND LOCATIONS AS REQUIRED BY CODE AND AUTHORITY HAVING JURISDICTION. REVIEW ADDITIONAL OR ALTERED LOCATIONS WITH THE ARCHITECT/DESIGNER PRIOR TO INSTALLATION.
V. ALL FLOOR, EXTERIOR WALL, FOUNDATION WALL AND ROOF PENETRATIONS TO BE SLEEVED AND WATERPROOFED.
W. REFER TO S-SHEETS FOR SCOPE OF CONCRETE AND TRENCHING
X. ALL FLOOR AND WALL PENETRATIONS THROUGH RATED ASSEMBLIES TO BE FIRE SEALED AS REQUIRED TO ACHIEVE A FIRE RESISTANCE RATING EQUAL TO THE RATED ASSEMBLY IN WHICH THE PENETRATION OCCURS.
Y. TAPE, SAND, AND PAINT ONLY AT WALLS BEHIND WALK IN COOLERS, FREEZERS.
Z. G.C. TO SUBMIT TO OWNER (1) HARD COPY AND (1) ELECTRONIC COPY OF THE OPERATION AND MAINTENANCE MANUAL.
AA. **SITE CAMERA(S) ARE REQUIRED FOR DURATION OF CONSTRUCTION: (2) FOR GROUND-UP (INTERIOR & EXTERIOR). CONTACT EARTHCAM FOR ORDERING. REFER TO VENDOR LIST FOR CONTACT INFO.**

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NO.	BY	DATE	DESCRIPTION
6		2021-08-09	FIELD NOTICE #3
3		2021-04-26	ISSUED FOR CONSTRUCTION
2		2021-03-31	ADDENDUM 2
		2021-01-11	PERMIT/BID SET
		2020-12-21	75% SET

SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

2051 NW LOWENSTEIN DRIVE
LEE'S SUMMIT, MISSOURI 64081
SHACK #1348

FIELD NOTICE #3

DIMENSIONED PLAN

DRAWN BY: CS & WQL
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JOB NO: 20068.00

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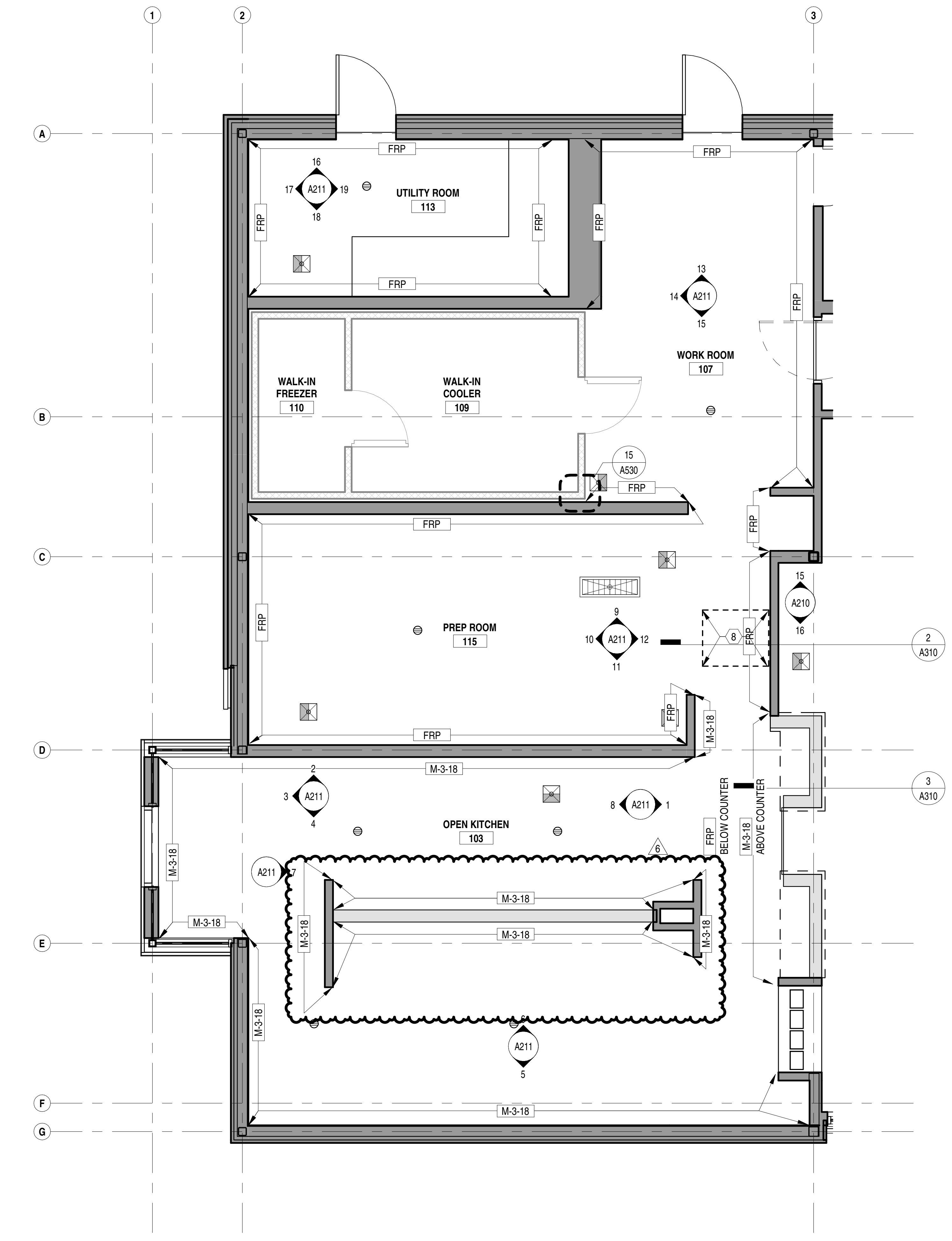
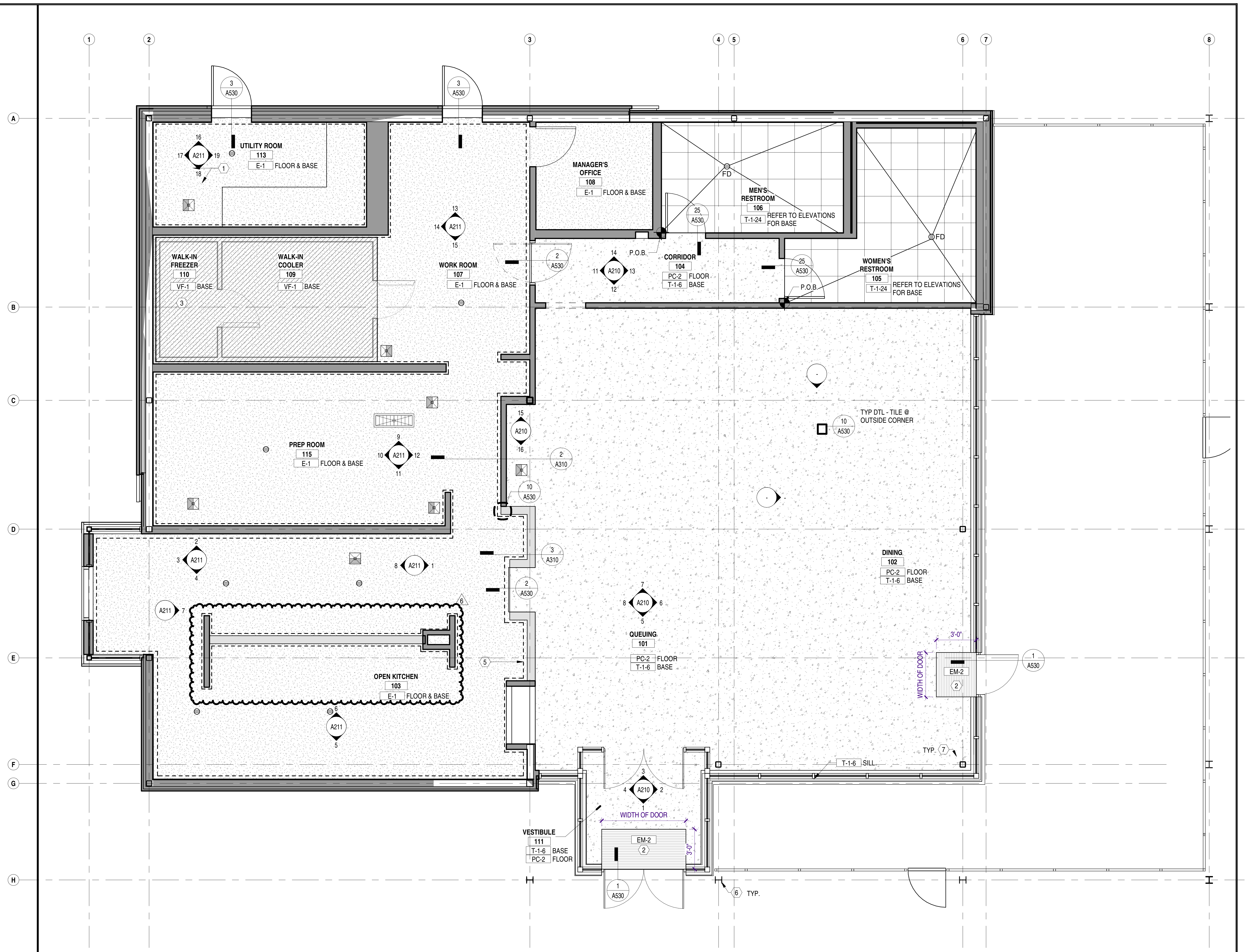

UTILITY ROOM
113
WALK-IN FREEZER
110
WALK-IN COOLER
109
WORK ROOM
107
PREP ROOM
115
OPEN KITCHEN
103
FRP
M-3-18
BELOW COUNTER
ABOVE COUNTER
A211
A210
A310
A530

FLOOR FINISH PLAN - BOH WALL FINISHES

1/4" = 1'-0"

2


UTILITY ROOM
113
E-1 FLOOR & BASE
MANAGER'S OFFICE
108
E-1 FLOOR & BASE
MEN'S RESTROOM
106
T-1-24 REFER TO ELEVATIONS FOR BASE
WOMEN'S RESTROOM
105
T-1-24 REFER TO ELEVATIONS FOR BASE
CORRIDOR
104
PC-2 FLOOR
T-1-6 BASE
P.O.B.
FD
WALK-IN FREEZER
110
VF-1 BASE
WALK-IN COOLER
109
VF-1 BASE
WORK ROOM
107
E-1 FLOOR & BASE
PREP ROOM
115
E-1 FLOOR & BASE
TYP DTL - TILE @ OUTSIDE CORNER
DINING
102
PC-2 FLOOR
T-1-6 BASE
QUEUING
101
PC-2 FLOOR
T-1-6 BASE
OPEN KITCHEN
103
E-1 FLOOR & BASE
EM-2
WIDTH OF DOOR
3'-0"
TYP.
T-1-6 SILL
VESTIBULE
111
T-1-6 BASE
PC-2 FLOOR
6 TYP.
A211
A210
A310
A530

FLOOR FINISH PLAN

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

1

NOT USED

KEYNOTES

1. 4" ELEVATED UTILITIES CURB
2. LOOSE-LAY ROLL OUT MAT EM-2 , FINISH FLOOR BENEATH
3. PROVIDE LEVEL 3 FINISH BEHIND WALK-IN COOLER AND FREEZER
4. M-3-18 UP TO 4'-0" AFF AT MOP SINK WALLS.
5. LOCATION OF WATERPROOF MEMBRANE; REFER TO GENERAL NOTES FOR MORE INFORMATION
6. PAINT COLUMNS P-4 USE ZINC RICH PRIMER
7. PAINT INTERIOR COLUMNS P-4
8. INTERIOR WALLS OF ROOF HATCH ABOVE TO BE FINISHED ON ALL SIDES WITH FRP
9. PATIO RAILINGS AND GATE TO BE PAINTED; REFER TO AS102

SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
═	NEW PARTITION	▒	PC-2 POLISHED CONCRETE
▭	NEW PARTITION (PARTIAL HEIGHT - SEE ELEV. FOR MORE INFO)	░	E-1 URETHANE CONCRETE COATING SYSTEM
☒	PREFAB WALLS BY KEC	▨	VF-1 WELDED SEAM FLOORING
◜	NEW DOOR	▤	EM-2 LOOSE LAY WALK-OFF MAT
⟨01⟩	KEYNOTE	—— — — ——	LEASE LINE
EIFS-1	FINISH TAG, REFER TO FINISH SCHEDULE ON SHEET A601	- - - - - -	WATERPROOF MEMBRANE ⟨5⟩
A	ALIGN		
◐	POINT OF BEGINNING (P.O.B)		
◍	FLOOR DRAIN		
⊠	FLOOR SINK		
⊠	FLOOR TRENCH		

GENERAL NOTES

A. FINISHES TO BE NEW, U.N.O.
B. ENSURE SURFACES TO RECEIVE FINISHES ARE CLEAN, TRUE AND FREE OF IRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
C. FLOOR TO BE LEVEL TO 1/8" VARIANCE WITHIN 10'-0"
D. GC TO PROVIDE WATERPROOF MEMBRANE AT ALL WET AREAS. GC TO INSTALL WATERPROOFING AT 12" UP THE WALL AND 24" ONTO THE FLOOR.
E. PROVIDE CONTINUOUS SEALANT JOINT AT ALL FRP AND STAINLESS STEEL INTERSECTIONS AND AT TILE BASE, CEILINGS, DOOR FRAMES, PLUMBING / GAS / ELECTRICAL ROUGH-INS, AND MISCELLANEOUS PENETRATIONS
F. CAULK ALL JOINTS BETWEEN WALL TILE AND DOOR FRAMES; COLOR TO MATCH GROUT U.N.O IN DRAWING SET. INSTALL CLEAR SEALANT JOINTS WHERE WINDOWS ABUT A WOOD/METAL FINISH U.N.O. IN DRAWING SET. INSTALL COLORED SEALANT JOINTS WHERE WINDOWS ABUT AN INTERIOR ALL SURFACE; COLOR TO MATCH STOREFRONT U.N.O. IN DRAWING SET.
G. TILE CONTRACTOR TO ENSURE THAT FLOOR TILE IS FLUSH WITH COVE BASE TILE PER HEALTH DEPARTMENT.
H. WALLS AND CEILINGS OF KITCHEN AND PREP AREAS SHALL HAVE A SMOOTH AND WASHABLE FINISH
I. GC TO ENSURE THAT NEW FLOOR SLAB IS AT AN ACCEPTABLE TOLERANCE LEVEL TO MINIMIZE THE LIPPAGE FOR THE REQUIRED FLOOR FINISH INSTALLATION; REFER TO FINISH SPECIFICATIONS FOR MORE INFORMATION; GC TO INFORM ARCHITECT OF DISCREPANCIES.
J. FLOOR SURFACE TO BE NON-SLIP WITH A MIN. SLIP CO-EFFICIENT OF FRICTION OF 0.6 OR BETTER
K. ALL MATERIAL TRANSITIONS TO MEET ADA GUIDELINES
L. ALL FLOOR PENETRATIONS TO BE SEALED, WATERPROOFED, AND FIRE RATED.
M. GC TO COORDINATE LOCATION AND QUANTITY OF MOVEMENT JOINTS IN ALL FLOORING
N. MAXIMUM FLOOR SLOPE IN ANY DIRECTION IS 1 IN 20.
O. GC TO SLOPE (MAX 2%) TO EXISTING DRAIN, FLUSH TO ABUTTING SIDEWALK AND ABUTTING GRADES
P. **ALL KITCHEN FLOORS TO HAVE NO MORE THAN 1/8" PER FOOT SLOPE TO FLOOR DRAINS**
Q. REFER TO REFLECTED CEILING PLAN, INTERIOR ELEVATIONS AND INTERIOR DETAILS FOR ADDITIONAL INFORMATION
R. GYPSUM BOARD WALLS TO BE TAPED AND SANDED TO LEVEL 4 FINISH, U.N.O.
S. **GC TO SUBMIT PROPOSED CONTROL JOINTS.**
T. PAINT FINISHES TO BE AS FOLLOWS:
    a. SEMI-GLOSS - DOORS, FRAMES, WINDOW TRIM
    b. EGGSHELL - WALLS
    c. FLAT - CEILINGS

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		2021-01-11	PERMIT/BID SET
		2020-12-21	75% SET
		2020-10-12	DD SET

SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

2051 NW LOWENSTEIN DRIVE
LEE'S SUMMIT, MISSOURI 64081
SHACK #1348

FIELD NOTICE #3

FLOOR FINISH PLAN

DRAWN BY: CS & WQL
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JOB NO: 20068.00

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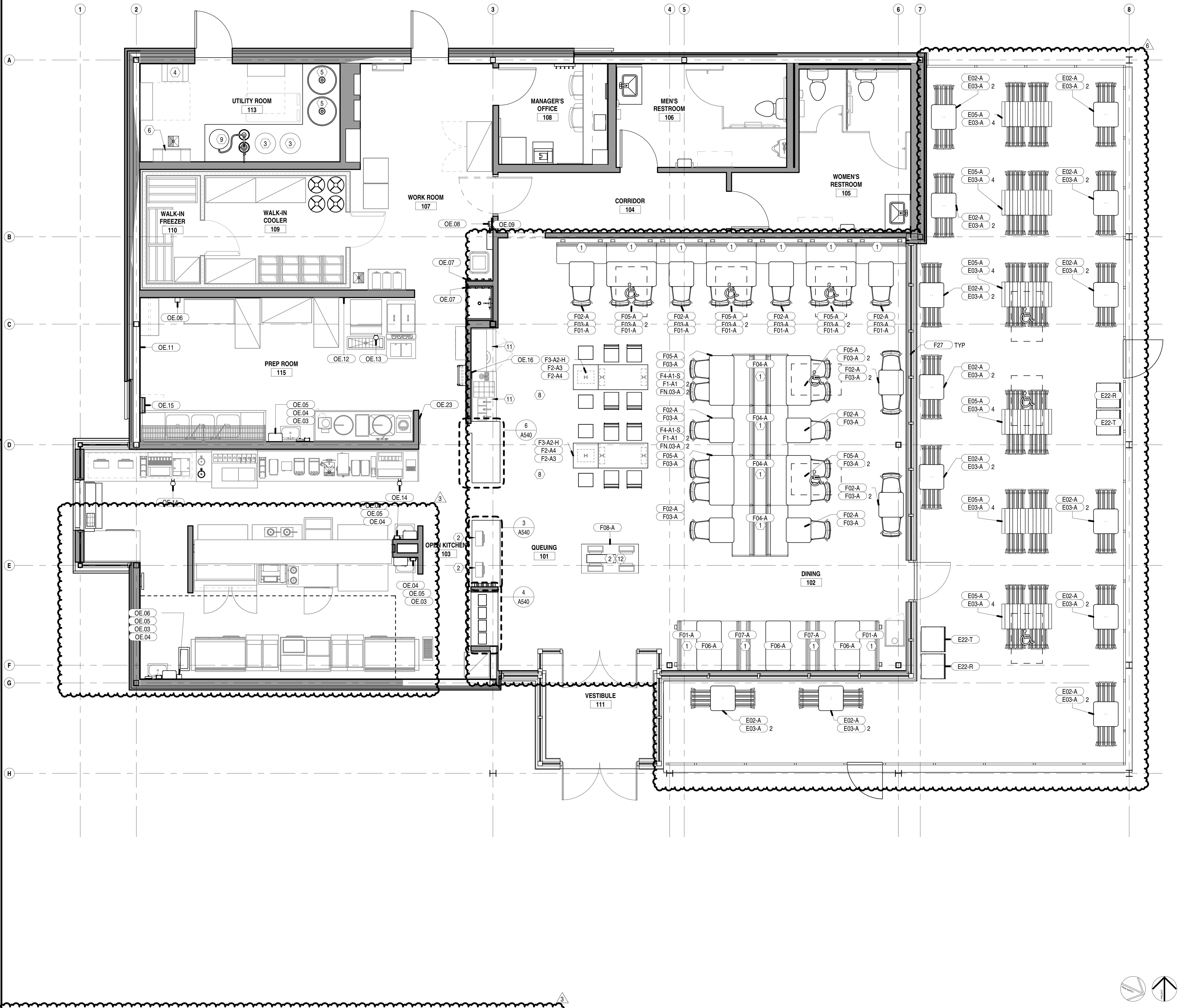

FURNITURE & EQUIPMENT PLAN - FIRST FLOOR

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

FURNITURE SCHEDULE

GC = GENERAL CONTRACTOR
O = OWNER / OWNER'S VENDOR

TAG NO.	QTY	ITEM	MANUFACTURER	MODEL NO.	FINISH	RESPONSIBILITY FURNISH	RESPONSIBILITY INSTALL
E02-A	13	2-TOP SQUARE TABLE	COUNTEREVOLUTION	24" W x 24" L x 30" H		O	GC
E03-A	50	INDOOR CHAIR	UHURU	18" X 17" X 32" H	T	O	GC
E05-A	6	2-TOP SQUARE TABLE	COUNTEREVOLUTION	24" W x 24" L x 30" H		O	GC
E22-R	2	RECYCLING UNIT, OUTDOOR	PRIME EQUIPMENT SERVICES		RECYCLE: RAL 6010	O	GC
E22-T	2	TRASH UNIT, OUTDOOR	PRIME EQUIPMENT SERVICES		TRASH: RAL 7021	O	GC
F01-A	9	SINGLE BENCH - 48"	CROW WORKS			O	GC
F1-A1	4	INDOOR CHAIR	UHURU	-	FRAME: 7035 LIGHT GREY; WOOD: CLEAR ASH	O	GC
F02-A	10	2-TOP SQUARE TABLE	COUNTEREVOLUTION	24" W x 24" L x 30" H		O	GC
F2-A3	2	INDOOR STOOL	UHURU	14" X 15" X 29.5" H	TOP: NATURAL ASH; FRAME: RAL 6010 GRASS GREEN	O	GC
F2-A4	2	BACKLESS BARSTOOL	UHURU	14" X 15" X 29.5" H	TOP: NATURAL ASH; FRAME: GREEN BLUE RAL5001	O	GC
F03-A	26	INDOOR CHAIR	UHURU	18" X 17" X 32" H	T	O	GC
F3-A2-H	2	2-TOP SQUARE TABLE, HIGH BASE	COUNTEREVOLUTION	24" W x 24" L x 42" H	TOP: WHETSTONE; BASE: BLACKENED STEEL	O	GC
F04-A	4	DOUBLE BENCH - 48" - PLANTER	CROW WORKS		WOOD: WHITE OAK CASK; UPHOLSTERY: WOLF GORDON PIAVE PINE PIV 9374	O	GC
F4-A1-S	2	4-TOP -RECTANGULAR, ADA BASE	COUNTEREVOLUTION	24" W x 48" L x 30" H	TOP: SHAKE SHACK BROWN; BASE: BLACKENED STEEL	O	GC
F05-A	7	2-TOP SQUARE TABLE	COUNTEREVOLUTION	24" W x 24" L x 30" H		O	GC
F06-A	3	FIXED TABLE - 48"	CROW WORKS			O	GC
F07-A	2	DOUBLE BENCH - 48"	CROW WORKS			O	GC
F08-A	1	FREESTANDING KIOSK	CROW WORKS			O	GC
F27	15	MANUAL SHADE	SKYCO / PHIFER; ORDER FROM ROLL-A-SHADE RETAILER	CEILING MOUNT, REGULAR ROLL W/ 3" FASCIA PANEL, 1-1/2" TUBE / SHEERWEAVE 4000 W/ DOW ECOLIBRIUM 5%;		GC	GC
FN.03-A	4	INDOOR CHAIR	UHURU	-	FRAME: GRASS GREEN RAL 6010; WOOD: CLEAR ASH;	O	GC

ARCHITECT TO ISSUE REVISED INTERIOR FURNITURE SCHEDULE ONCE NEW FURNITURE ITEMS ARE CONFIRMED WITH SHAKE SHACK

NOTE: QUANTITY FOR REFERENCE ONLY, G.C. TO VERIFY WITH SHAKE SHACK CONSTRUCTION PROJECT MANAGER

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ACCESSORIES SCHEDULE

GC = GENERAL CONTRACTOR
O = OWNER / OWNER'S VENDOR

TAG NO.	QTY	ITEM	MANUFACTURER	MODEL NO.	RESPONSIBILITY FURNISH	RESPONSIBILITY INSTALL
OE.03	4	GLOVE BOX DISPENSER	SAN JAMAR	G0801	O	GC
OE.04	4	SOAP DISPENSER	BOBRICK	2112 / 667005	O	GC
OE.05	4	PAPER TOWEL DISPENSER	TORK	551028A / 10073286621211	O	GC
OE.06	2	HAIR NET DISPENSER	CELLUCAP	D903	O	GC
OE.07	2	MOP & BROOM HOLDER	FRANKLIN MACHINE PRODUCTS	159-1140	O	GC
OE.08	1	WET FLOOR SIGN HOLDER	GEERPRES	5047	O	GC
OE.09	1	FIRST AID CABINET	AFASSCO	186	O	GC
OE.11	1	PREP PEG BOARD	DIAMOND LIFE	PEGBOARD MX 2X4	O	GC
OE.12	1	ICE BUCKET HANGING BRACKET	SAN JAMAR	101558	O	GC
OE.13	1	ICE SCOOP - LARGE	SAN JAMAR	S17700 / 6021258	O	O
OE.14	2	ICE SCOOP - SMALL	SAN JAMAR	S17700 / 650629	O	O
OE.15	1	KNIFE HOLDER	SAN JAMAR	STK1008	O	GC
OE.16	1	FRAMED CHOKING SIGN	-	-	O	GC
OE.23	1	LOCKABLE BULLETIN BOARD W/ ONE DOOR	NORWOOD COMMERCIAL FURNITURE	NOR-EB0203-I-BULLETIN	GC	GC

KEYNOTES

1	GC TO SEAL ALL EDGES WHERE BOOTH / BENCH / TABLE BASE PLATE MEETS THE FLOOR W/ CLEAR SEALANT
2	P.O.S. STATION BY OWNER'S VENDOR. G.C. TO PROVIDE POWER & DATA AS REQUIRED. REFER TO KEC AND ELECTRICAL
3	CO2 TANK BY OWNER'S CONTRACTOR. REFER TO K-SHEETS, SECURE TANKS AS REQUIRED. G.C. TO COORDINATE WITH OWNER'S CONTRACTOR. REFER TO SHEET A100 FOR ESTIMATED RUN, INSTALLATION BY CO2 VENDOR, VERIFY ACTUAL REQUIRED RUN IN FIELD.
4	WALL MOUNTED NITROGEN GENERATOR BY OWNER'S VENDOR; GC TO PROVIDE POWER & BLOCKING IN WALL
5	RTI TANKS; REFER TO KEC
6	WATER HEATERS; REFER TO MEP
7	WATER HEATER EXPANSION TANK MOUNTED ON SHELF ABOVE WATER HEATERS. REFER TO PLUMBING
8	GC TO INSTALL COAT HOOKS AT UNDERSIDE OF TABLE. HOOKS WILL BE PROVIDED BY OWNER'S VENDOR, COORDINATE WITH OWNER'S CONSTRUCTION PM AND PROCUREMENT TEAM
9	WATER SOFTENER; REFER TO MEP
10	NOT USED
11	EVEREST WHITE CORIAN COUNTERTOP
12	FREESTANDING KIOSK PROCURED BY SHAKE SHACK

SYMBOL LEGEND

SYMBOL	DESCRIPTION
▬	NEW PARTITION
▭	NEW PARTITION (PARTIAL HEIGHT - REFER TO ELEV. FOR MORE INFO)
▨	PREFAB WALLS BY KEC
	NEW DOOR
01	KEYNOTE
XX.00 TAG NOTE	FURNITURE TAG

GENERAL NOTES

A. SEE RESPONSIBILITY SCHEDULE FOR DIVISION OF LABOR.
B. NOTIFY ARCHITECT OF CONDITIONS WHERE CLEAR OR CRITICAL DIMENSIONS ARE DESIGNATED BUT CANNOT BE MET.
C. GC TO COORDINATE WITH OWNER'S VENDORS TO ALLOW FOR PROPER INSTALLATION OF OWNER SUPPLIED ITEMS.
D. GC SHALL ENSURE THAT FINISH CARPENTRY AND STAINLESS STEEL EQUIPMENT WILL NOT BE DAMAGED BY OTHER CONSTRUCTION WORK.
E. DRAWING TUBE FOR RECORD SET TO BE LOCATED IN THE OFFICE.
F. BOLT DOWN ALL FIXED FURNITURE (BOOTHS AND HIGH TABLES).

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CONSULTANTS:

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NO.	BY	DATE	DESCRIPTION
6		2021-08-09	FIELD NOTICE #3
3		2021-04-26	ISSUED FOR CONSTRUCTION
		2021-01-11	PERMIT/BID SET
		2020-12-21	75% SET
		2020-10-12	DD SET

SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

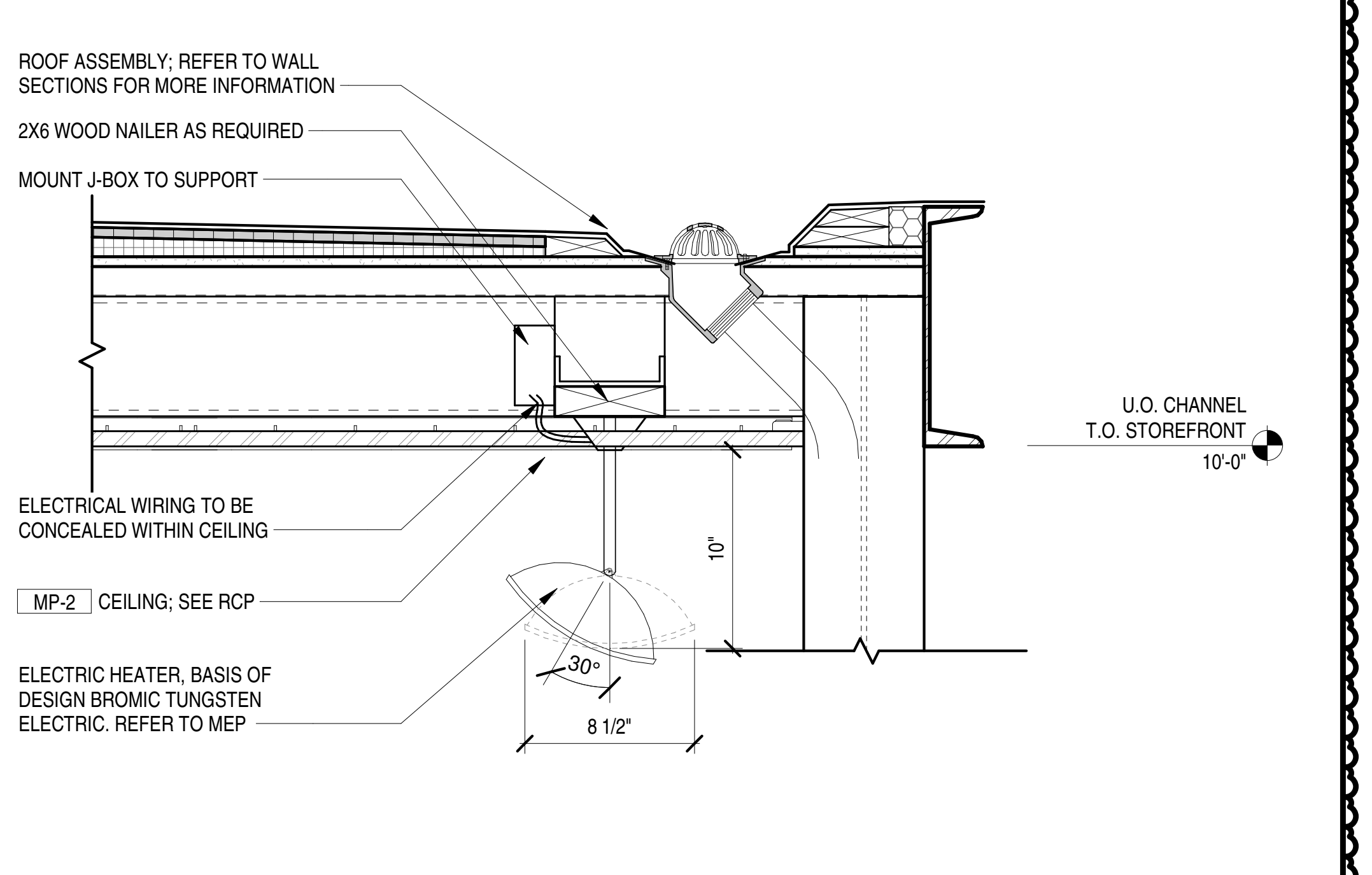
2051 NW LOWENSTEIN DRIVE
LEE'S SUMMIT, MISSOURI 64081
SHACK #1348

FIELD NOTICE #3

FURNITURE & EQUIPMENT PLAN

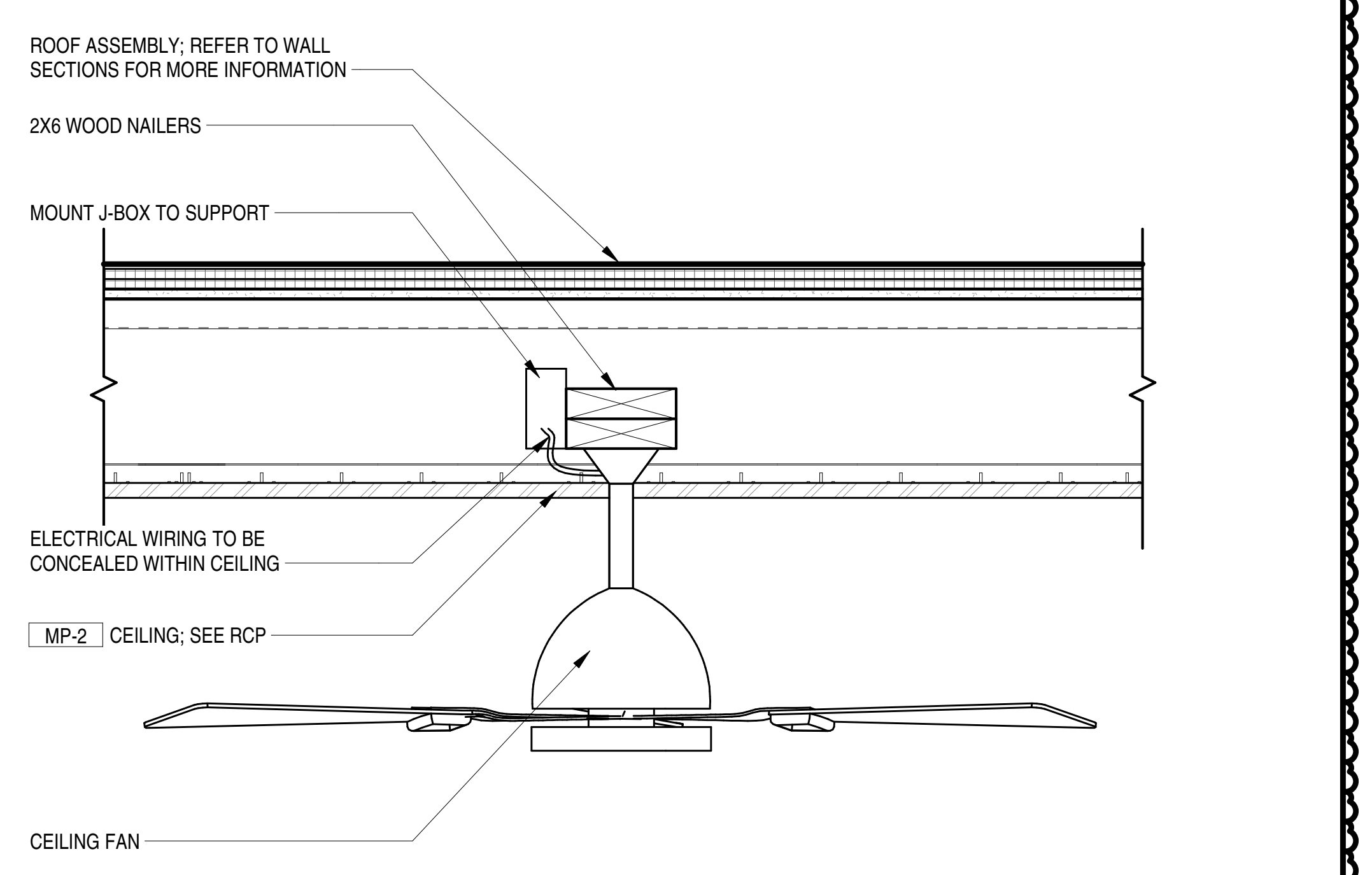
DRAWN BY: CS & WQL
CHECKED BY: JS
JOB NO: 20068.00

A104


ROOF ASSEMBLY; REFER TO WALL SECTIONS FOR MORE INFORMATION
2X6 WOOD NAILER AS REQUIRED
MOUNT J-BOX TO SUPPORT
U.O. CHANNEL
T.O. STOREFRONT
10'-0"
ELECTRIC WIRING TO BE CONCEALED WITHIN CEILING
MP-2 CEILING; SEE RCP
ELECTRIC HEATER, BASIS OF DESIGN BROMIC TUNGSTEN ELECTRIC. REFER TO MEP
10"
30°
8 1/2"

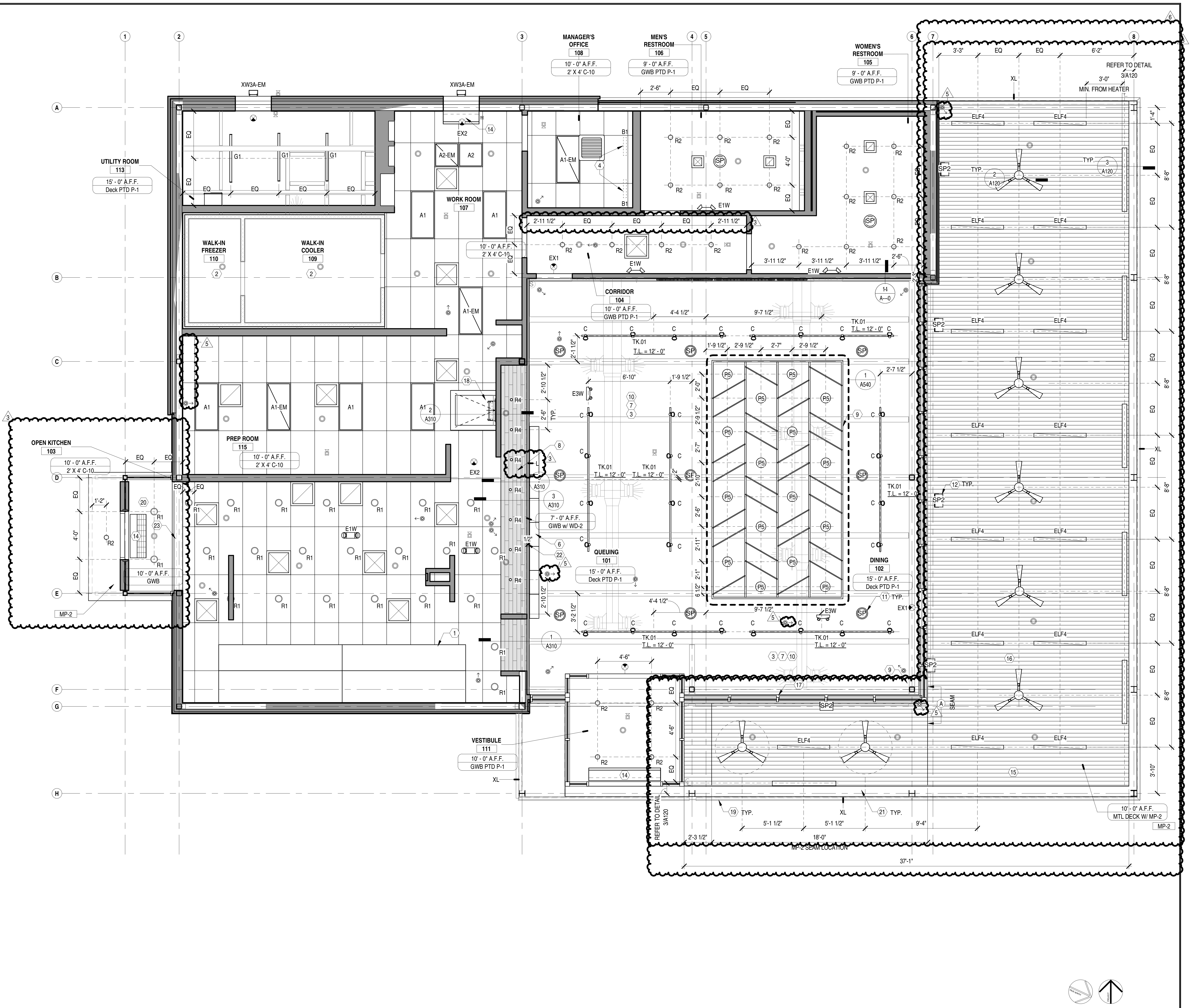
TYP DETAIL - ELECTRIC HEATER

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


ROOF ASSEMBLY; REFER TO WALL SECTIONS FOR MORE INFORMATION
2X6 WOOD NAILERS
MOUNT J-BOX TO SUPPORT
ELECTRICAL WIRING TO BE CONCEALED WITHIN CEILING
MP-2 CEILING; SEE RCP
CEILING FAN

TYP DETAIL - CEILING FAN

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


UTILITY ROOM 113 15' - 0" A.F.F. Deck PTD P-1
WALK-IN FREEZER 110
WALK-IN COOLER 109
WORK ROOM 107 10' - 0" A.F.F. 2' X 4' C-10
PREP ROOM 115 10' - 0" A.F.F. 2' X 4' C-10
OPEN KITCHEN 103 10' - 0" A.F.F. 2' X 4' C-10
MANAGER'S OFFICE 108 10' - 0" A.F.F. 2' X 4' C-10
MEN'S RESTROOM 106 9' - 0" A.F.F. GWB PTD P-1
WOMEN'S RESTROOM 105 9' - 0" A.F.F. GWB PTD P-1
CORRIDOR 104 10' - 0" A.F.F. GWB PTD P-1
QUEUING 101 15' - 0" A.F.F. Deck PTD P-1
DINING 102 15' - 0" A.F.F. Deck PTD P-1
VESTIBULE 111 10' - 0" A.F.F. GWB PTD P-1
10' - 0" A.F.F. MTL DECK W/ MP-2
MP-2 SEAM LOCATION
REFER TO DETAIL 3/A120
MIN. FROM HEATER
37'-1"

REFLECTED CEILING PLAN

1/4" = 1'-0" 1

LIGHT FIXTURE SCHEDULE

TAG NO.	QTY	ITEM	COMMENTS
A1	5	TROFFER - 2 X 4, 4000K	
A1-EM	3	TROFFER - 2 X 4, 4000K	
A2	1	TROFFER - 2 X 2, 4000K	
A2-EM	1	TROFFER - 2 X 2, 4000K	
B1	2	UNDERCABINET LED	
C	28	TRACK HEAD - UNIVERSAL, PAR30, WHITE FINISH	
E1W	5	EMERGENCY BUG EYE - WHITE	
E3W	2	EMERGENCY BUG EYE - WHITE	
ELF4	15	RECESSED LINEAR LIGHT - 4'-0", WET LOCATION	
EX1	3	EXIT SIGN (FOH)	
EX2	3	EXIT SIGN - BOH	
G1	3	LED STRIPLIGHT - 48"	
L	1	LED TAPE LIGHT	
P5	16	LED PENDANT W/ GLOBE SHADE	U.O. PENDANT 7'-6"
R1	24	DOWNLIGHT - 6 IN LED, WHITE	
R2	22	DOWNLIGHT, ADJUSTABLE - 4 IN LED, SATIN CHROME	
R4	7	DOWNLIGHT - MINI LED GIMBAL	
TK.01	7	SINGLE CIRCUIT TRACK, WHITE FINISH	
XL	4	LED TAPE LIGHT - WET LOCATIONS	
XW3A-EM	2	WALL PACK WITH EMERGENCY BATTERY BACK UP	

KEYNOTES

1 LOCATION OF KITCHEN HOOD; REFER TO MECHANICAL; PROVIDE STRUCTURAL SUPPORT AS NECESSARY
2 WALK-IN COOLER CEILING & LIGHTING BY KITCHEN CONTRACTOR; REFER TO KEC
3 EXPOSED DUCTWORK; PAINT P-1
4 PLUG IN OFFICE LIGHT FIXTURE UNDER SHELVES BY GC; REFER TO ENLARGED MANAGERS OFFICE PLAN FOR MORE INFORMATION
5 DIFFUSERS, RETURNS, AND ANY CEILING OR SOFFIT ELECTRICAL / MECHANICAL EQUIPMENT TRIMS / PLATES TO BE PAINTED TO MATCH ADJACENT SURFACE
6 MENU BOARDS, BY OWNER'S VENDOR; GC TO PROVIDE IN-WALL BLOCKING, COORDINATE WITH OWNER'S VENDOR
7 PAINT ALL EXPOSED STRUCTURE P-1
8 SEAL WOOD @ SOFFIT TO PROVIDE A SMOOTH, CLEANABLE SURFACE.
9 WOOD SLATS & FRAME, SUSPENDED CEILING CLOUD U.O. SUSPENDED CLOUD AT 10'-0"
10 ACOUSTIC CEILING BOARD APPLIED TO UNDERSIDE OF DECK, IN FRONT OF HOUSE WHERE DECK IS EXPOSED C-2
11 INTERIOR SPEAKERS FURNISHED BY OWNER'S VENDOR, INSTALLED BY GC. COORDINATE FINAL LOCATIONS W/ OWNER'S VENDOR PRIOR TO INSTALLATION, TYP. INSTALL U.O. INTERIOR SPEAKER @ 2'-0" ABOVE U.O. TRACK LIGHTS OR P7 PENDANT LIGHT. SPEAKER TO BE WHITE FINISH
12 EXTERIOR SPEAKERS FURNISHED BY OWNER'S VENDOR, INSTALLED BY GC. COORDINATE FINAL LOCATIONS W/ OWNER'S VENDOR PRIOR TO INSTALLATION, TYP. REFER TO EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT. SPEAKER TO BE BLACK FINISH
13 SECURITY CCTV CAMERAS FURNISHED BY OWNER'S VENDOR, INSTALLED BY GC. U.O. CAMERAS 6" BELOW TRACK / PENDANT FIXTURES.
14 AIR CURTAIN, BY ACCESS WINDOW MANUF. REFER TO SPECIFICATIONS
15 EXTERIOR CANOPY WITH WOOD LOOK HARD CEILING
16 EXTERIOR CEILING FAN. MOUNT BOTTOM OF FAN @ 9'-0" AFF. REFER TO ELECTRICAL DRAWINGS;
17 WINDOW SHADES, REFER TO FURNITURE AND EQUIPMENT PLAN FOR MORE INFORMATION
18 ROOF LADDER / ROOF HATCH
19 EXTERIOR CANOPY, PAINT EXPOSED STEEL P-4
20 CEILING MOUNTED NOTIFICATION LIGHT FOR DRIVE-UP WINDOW
21 16 GA. BREAK METAL BAND TO OUTLINE PERIMETER OF CANOPY CEILING; REFER TO CANOPY DETAILS. PAINT BREAK METAL P-4
22 INTERIOR SIGN BAND P-4
23 GWB CEILING; REFER TO 4 / A502

SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
⊠	24" X 24" SUPPLY DIFFUSER		24" X 48" ACT SUSPENDED CEILING SYSTEM C-10
◪	24" X 24" RETURN DIFFUSER	EQ EQ EQ EQ	ALL CEILING MOUNTED FIXTURES ARE TO BE CENTERED ON ACT CEILING GRID, TYP UNO
▤	RESTROOM EXHAUST FAN		
⊠	12" X 12" SUPPLY DIFFUSER	SP	INDOOR SPEAKER; WHITE
⊕	POINT OF BEGINNING	SP2	OUTDOOR SPEAKER; BLACK
A	ALIGN	◎	SECURITY CAMERA
T.L. = X'-X"	TRACK LENGTH	◎	SPRINKLER; REFER TO MEPFP
	FINISH TAG; REFER TO FINISH SCHEDULE ON SHEET A601		FIRE ALARM DEVICE; REFER TO MEPFP
⊗	EXIT SIGN, WALL MOUNTED. CENTER ABOVE DOOR		
⊗	EXIT SIGN, CEILING MOUNTED		
— — —	LEASE LINE		

GENERAL NOTES

A. SEE MEP-FP DRAWINGS FOR LIGHT FIXTURE SCHEDULE. MUST COORDINATE WITH ARCHITECT'S CEILING PLAN. NOTIFY ARCHITECT AND ENGINEER OF DISCREPANCIES.
B. SEE MEP-FP DRAWINGS FOR QUANTITY AND SPECIFICATION OF SPRINKLER, HVAC AND LIFE SAFETY SYSTEMS. GC TO PROVIDE COORDINATED SHOP DRAWINGS FOR ABOVE CEILING SYSTEMS TO ARCHITECT FOR REVIEW AND APPROVAL.
C. CONFIRM LOCATION OF EXIT SIGNS, HORNSTROBES AND SMOKE DETECTORS PRIOR TO LAYOUT.
D. REFER TO MEP-FP DRAWINGS FOR EMERGENCY LIGHTING AND NIGHT LIGHTS.
E. CONSULT ARCHITECT FOR DIRECTION WITH CONFLICT BETWEEN STRUCTURE, MECHANICAL EQUIPMENT, SPRINKLERS, LIGHTING, ETC.
F. DIMENSIONS TO CENTERLINE OF FIXTURE, UNO.
G. A/V SYSTEM LAYOUT IS DIAGRAMMATIC. VERIFY SYSTEM EXTENT AND EQUIPMENT QUANTITIES WITH OWNERS VENDOR.
H. GC TO SUPPLY HANGERS AND SUPPORTS REQUIRED FOR INSTALLATION OF LIGHT FIXTURES INCLUDING THREADED ROD FOR TRACK.
I. LIGHTING TRACK DIMENSIONS, SIZES, SHOWN ON PLAN ARE ROUNDED TO NEAREST INCH. VERIFY EXACT DIMENSION IN FIELD.
J. PROVIDE EMERGENCY LIGHTING ALONG PATH OF EGRESS INCLUDING EXIT ACCESS CORRIDORS, PASSAGEWAYS AND AISLES IN ROOMS AND SPACES WHICH REQUIRE TWO MEANS OF EGRESS. THE MEANS OF EGRESS ILLUMINATION LEVEL SHOULD NOT BE LESS THAN ONE FOOTCANDLE AT THE FLOOR LEVEL.
K. WHERE LOCATED IN ACT, REGISTERS AND LIGHTING FIXTURES TO BE WITHIN GRID LINES, CENTER SPRINKLER HEADS, SPEAKERS, RECESSED FIXTURES AND SIMILAR CEILING ELEMENTS WITHIN CEILING MODULE, UNO.
L. COORDINATE GRID START POINTS WITH ARCHITECT. CENTER GRID IN CLOSED ROOMS, UNO, AVOID LESS THAN 1/2 TILES WHERE POSSIBLE.
M. GC TO COORDINATE WITH ALL TRADES INVOLVED TO ENSURE CLEARANCES FOR ALL CEILING RELATED APPURTENANCES NECESSARY TO MAINTAIN THE SPECIFIED FINISH CEILING HEIGHT AS NOTED ON THE DRAWINGS.
N. GC TO PROVIDE ACCESS PANEL AT HARD CEILINGS FOR ALL ELECTRICAL JUNCTION BOXES, VALVES, ETC.
O. **ALL LIGHT TRIM RING FINISHES ARE TO BE PAINTED TO MATCH ADJACENT CEILING / SOFFIT COLOR.**

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REFLECTED CEILING PLAN

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A120

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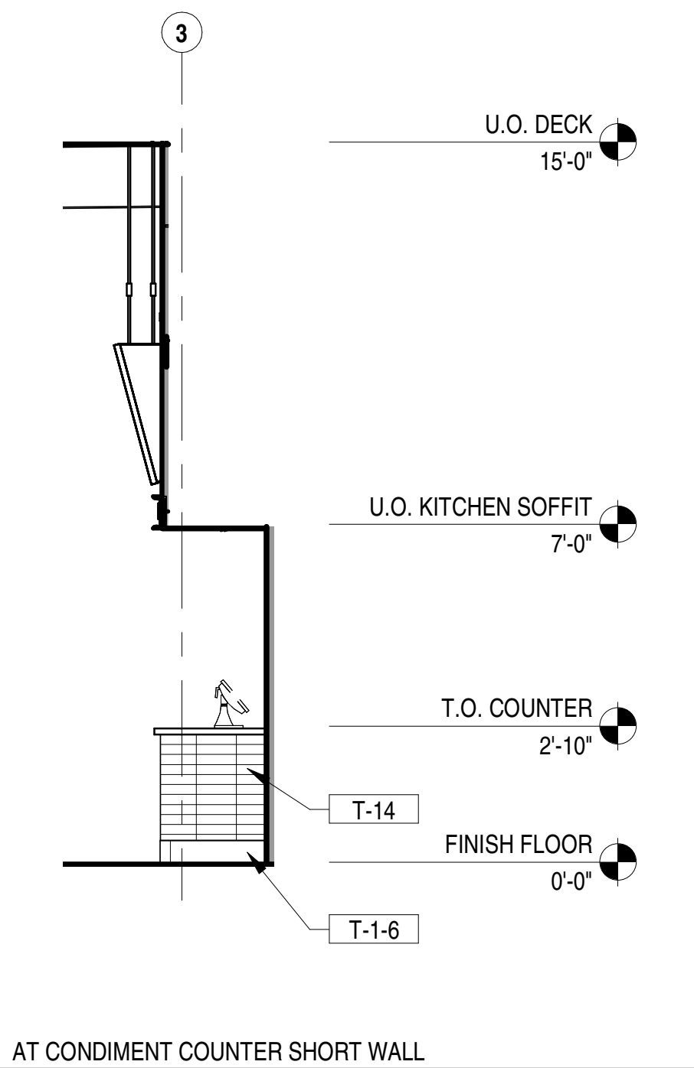
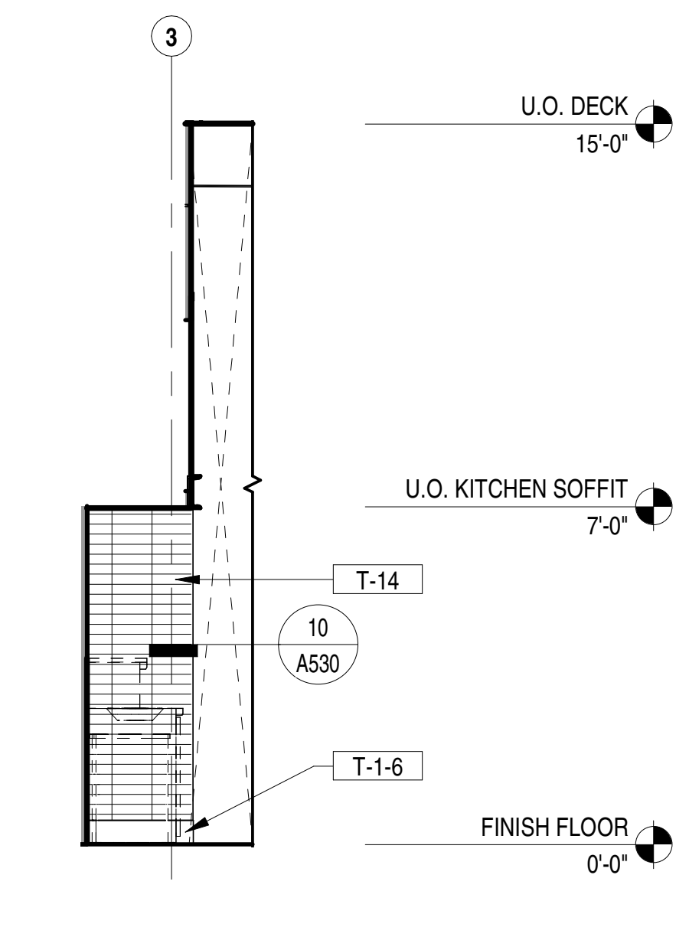

3
U.O. DECK
15'-0"
U.O. KITCHEN SOFFIT
7'-0"
T.O. COUNTER
2'-10"
T-14
FINISH FLOOR
0'-0"
T-1-6

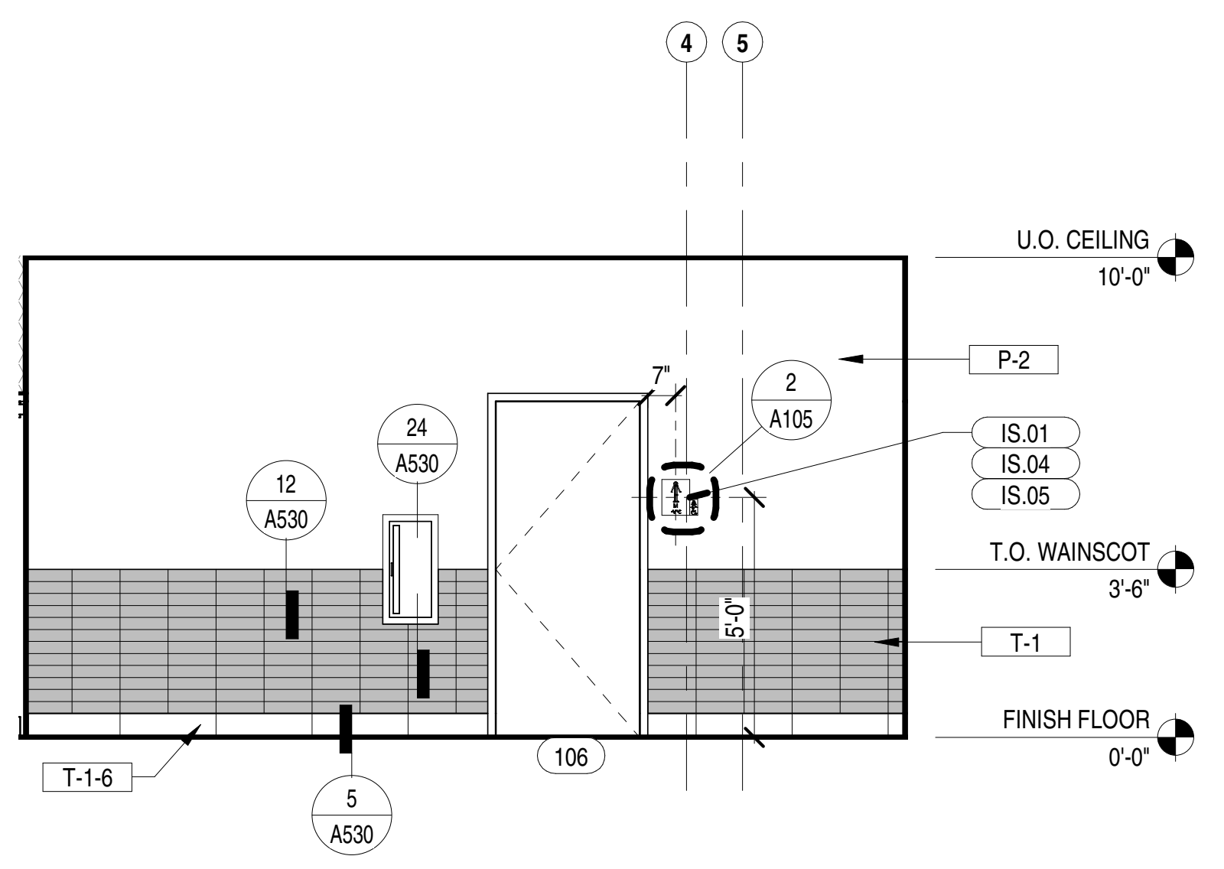
AT CONDIMENT COUNTER SHORT WALL

ELEVATION 1/4" = 1'-0" **16**

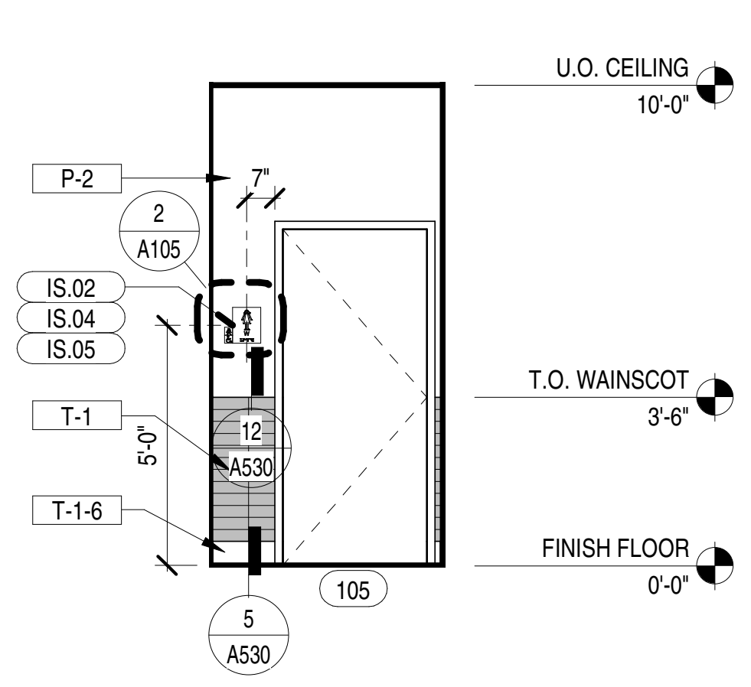

3
U.O. DECK
15'-0"
U.O. KITCHEN SOFFIT
7'-0"
T-14
10
A530
T-1-6
FINISH FLOOR
0'-0"

AT CONDIMENT COUNTER

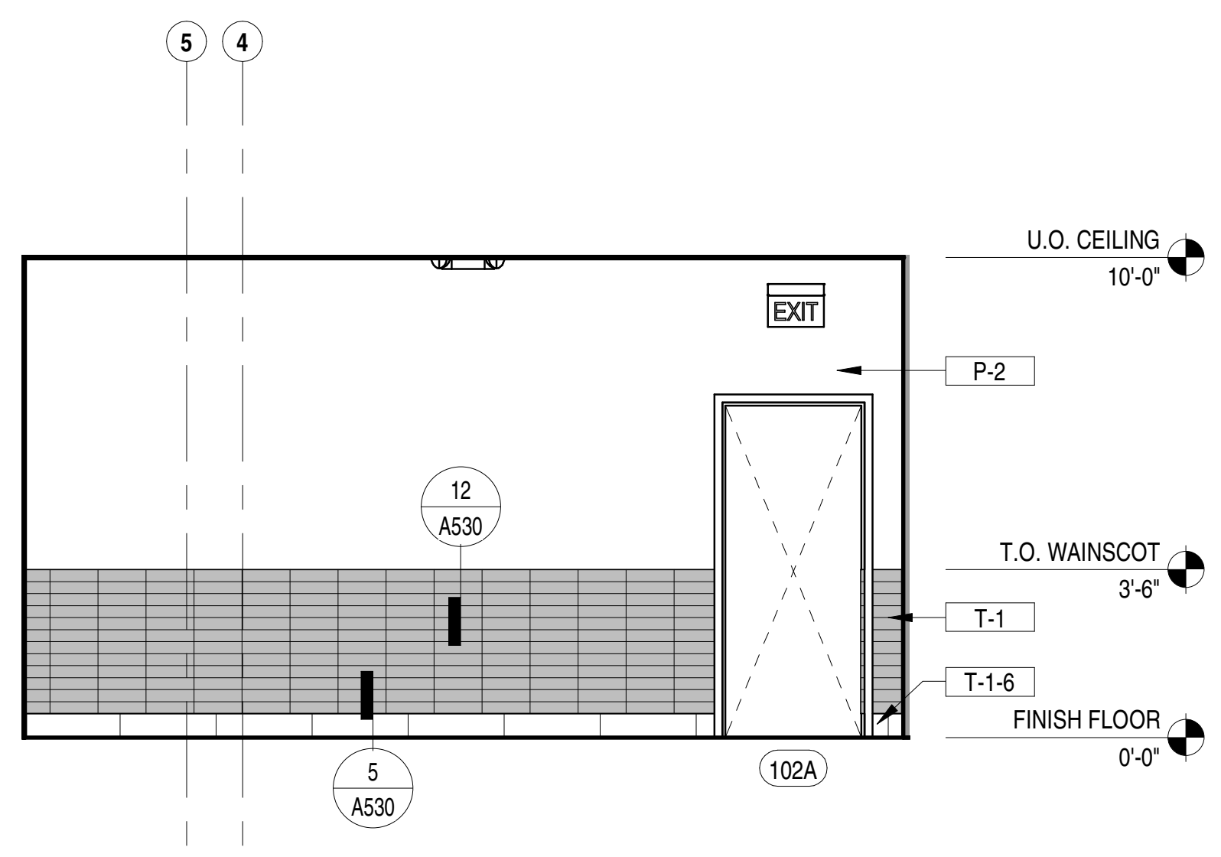
ELEVATION 1/4" = 1'-0" **15**


4
5
U.O. CEILING
10'-0"
P-2
2
A105
IS.01
IS.04
IS.05
12
A530
24
A530
T.O. WAINSCOT
3'-6"
T-1
FINISH FLOOR
0'-0"
T-1-6
106
5
A530

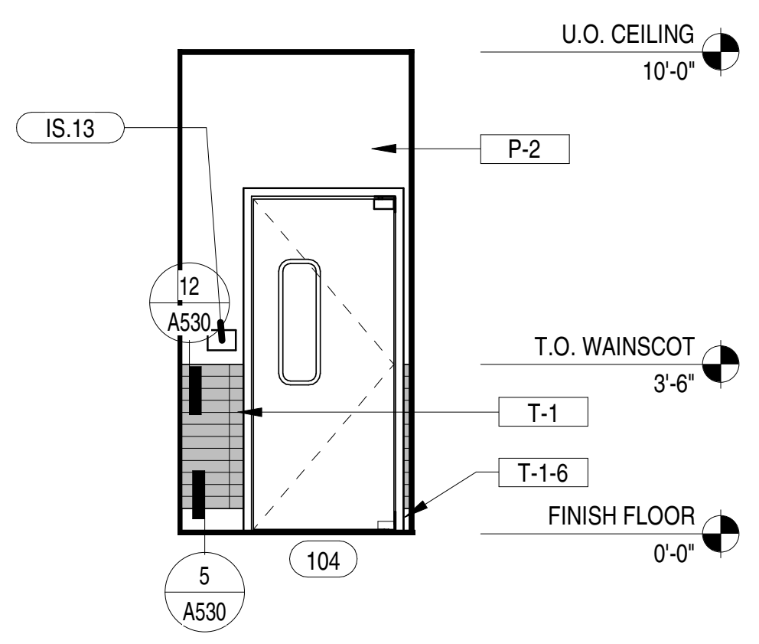
INTERIOR ELEVATION 1/4" = 1'-0" **14**


P-2
2
A105
IS.02
IS.04
IS.05
T-1
T-1-6
12
A530
U.O. CEILING
10'-0"
T.O. WAINSCOT
3'-6"
FINISH FLOOR
0'-0"
105
5
A530

INTERIOR ELEVATION 1/4" = 1'-0" **13**

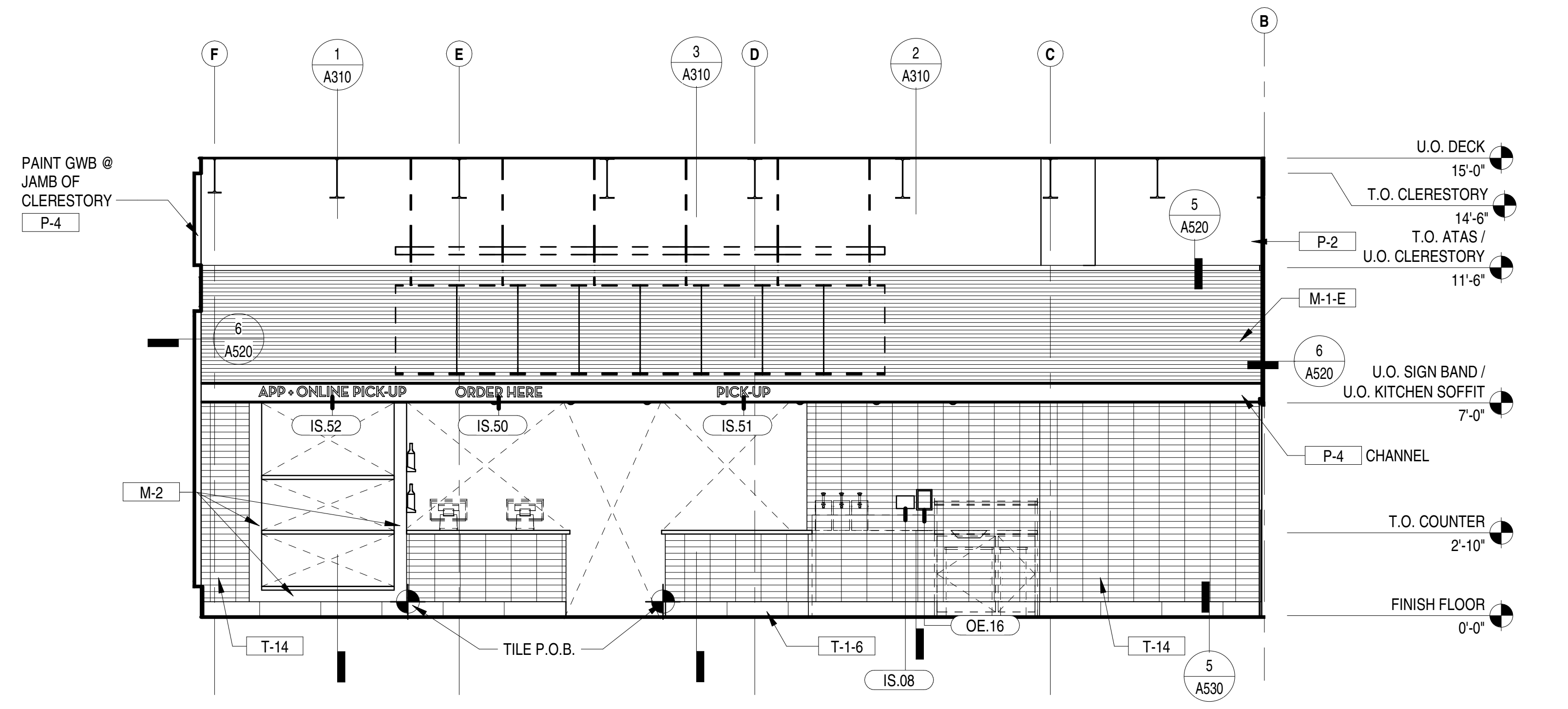

5
4
U.O. CEILING
10'-0"
EXIT
P-2
12
A530
T.O. WAINSCOT
3'-6"
T-1
T-1-6
FINISH FLOOR
0'-0"
5
A530
102A

INTERIOR ELEVATION 1/4" = 1'-0" **12**

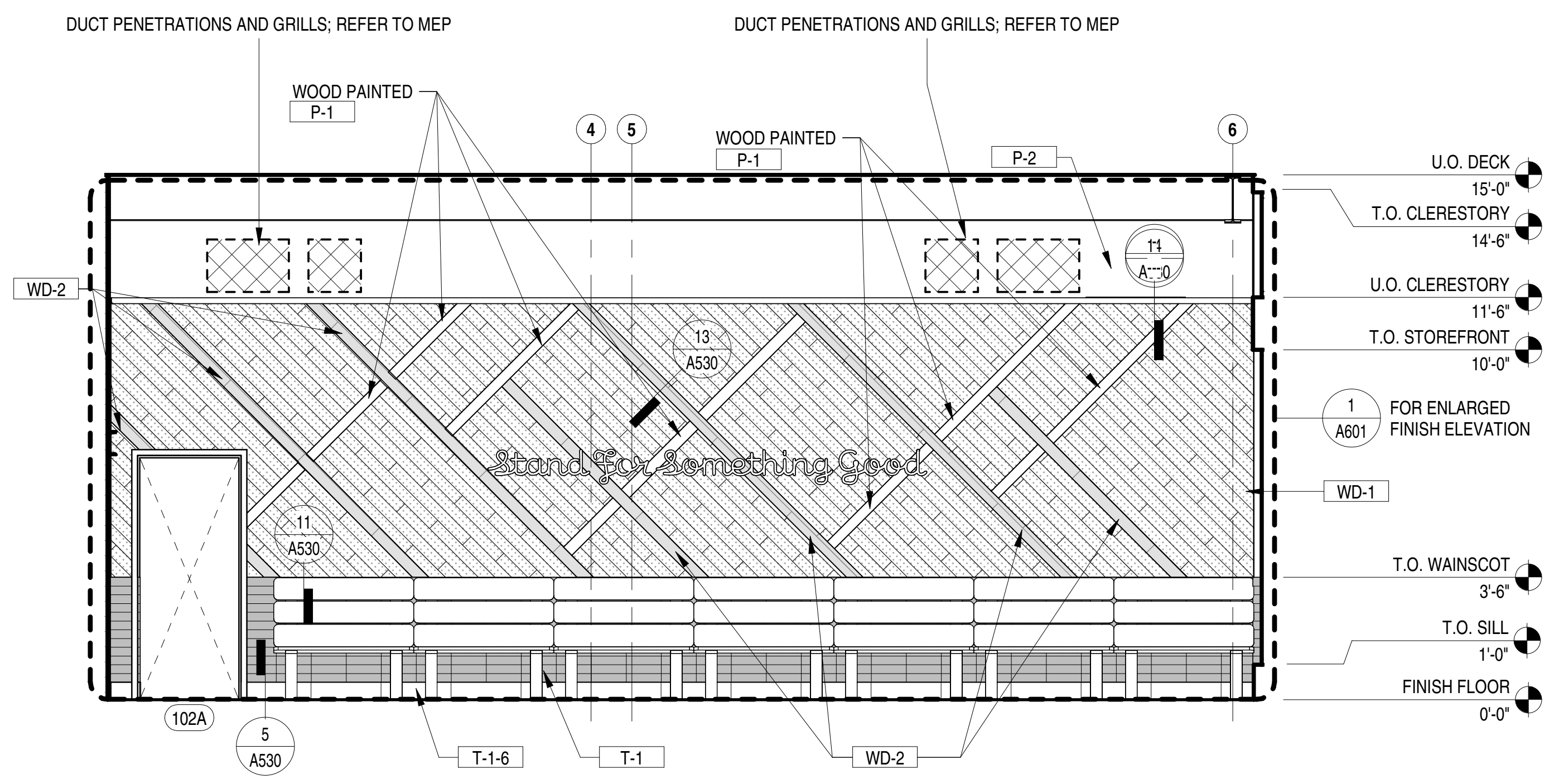

U.O. CEILING
10'-0"
IS.13
P-2
12
A530
T.O. WAINSCOT
3'-6"
T-1
T-1-6
FINISH FLOOR
0'-0"
5
A530
104

INTERIOR ELEVATION

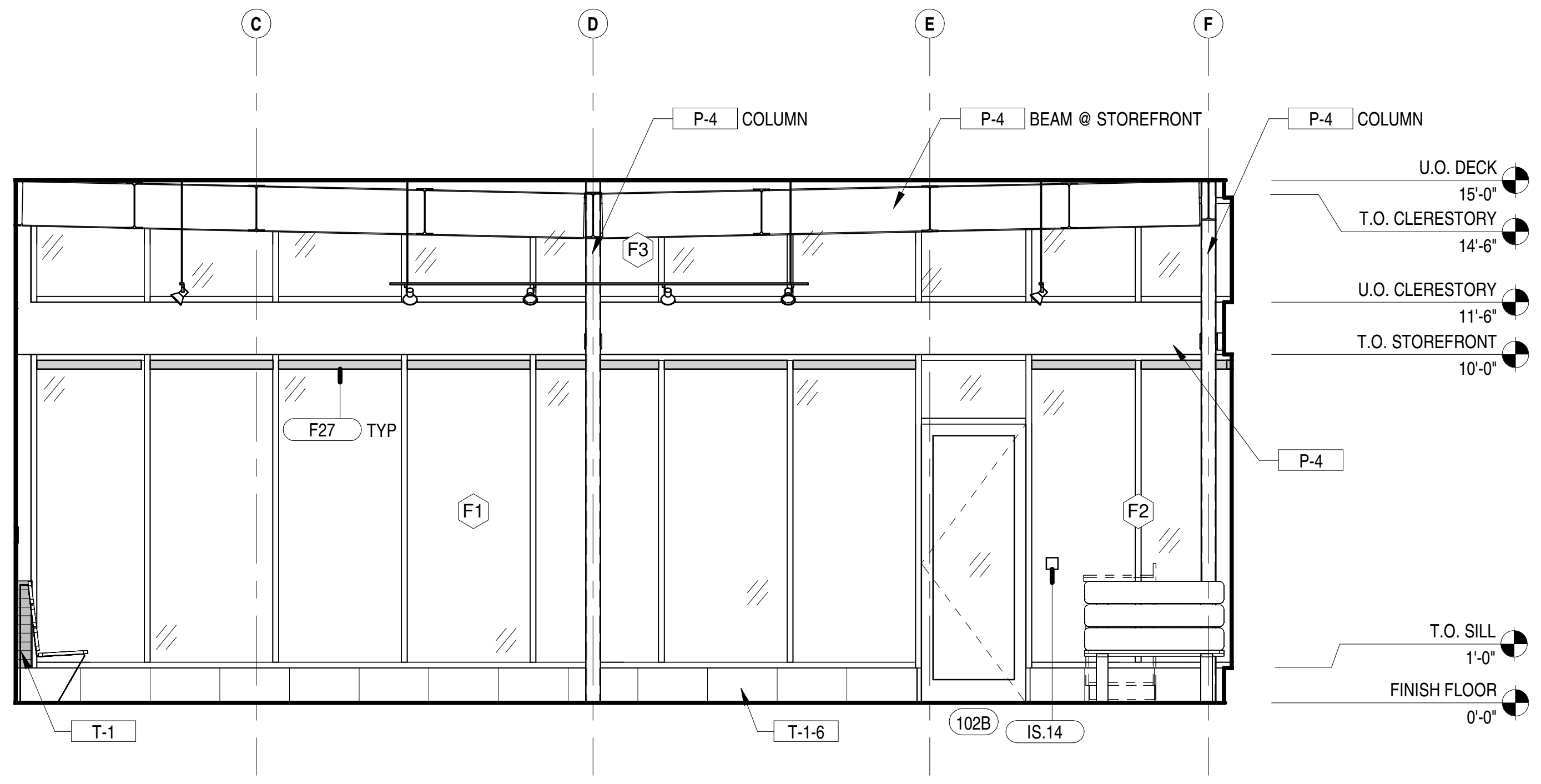
ELEVATION 1/4" = 1'-0" **11**


F
1
A310
E
3
A310
D
2
A310
C
B
PAINT GWB @ JAMB OF CLERESTORY
P-4
U.O. DECK
15'-0"
T.O. CLERESTORY
14'-6"
5
A520
P-2
T.O. ATAS / U.O. CLERESTORY
11'-6"
M-1-E
6
A520
6
A520
U.O. SIGN BAND / U.O. KITCHEN SOFFIT
7'-0"
APP + ONLINE PICK-UP
ORDER HERE
PICK-UP
IS.52
IS.50
IS.51
P-4
CHANNEL
M-2
T.O. COUNTER
2'-10"
FINISH FLOOR
0'-0"
T-14
TILE P.O.B.
T-1-6
OE.16
IS.08
T-14
5
A530

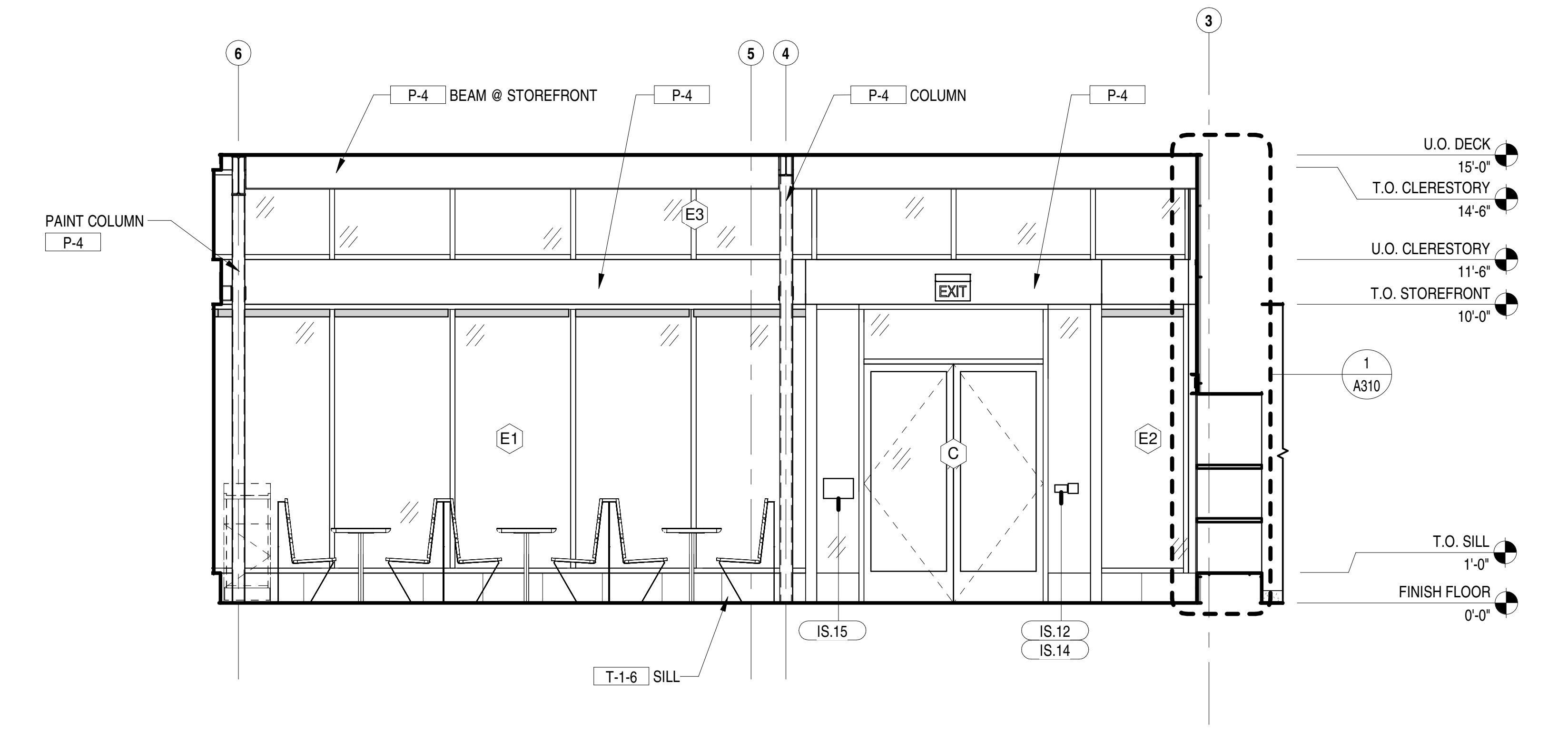
INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" **8**


DUCT PENETRATIONS AND GRILLS; REFER TO MEP
DUCT PENETRATIONS AND GRILLS; REFER TO MEP
WOOD PAINTED
P-1
WOOD PAINTED
P-1
4
5
P-2
6
WD-2
11
A530
13
A530
Stand For Something Good
11
A530
WD-1
U.O. DECK
15'-0"
T.O. CLERESTORY
14'-6"
U.O. CLERESTORY
11'-6"
T.O. STOREFRONT
10'-0"
1
A601
FOR ENLARGED FINISH ELEVATION
T.O. WAINSCOT
3'-6"
T.O. SILL
1'-0"
FINISH FLOOR
0'-0"
102A
5
A530
T-1-6
T-1
WD-2

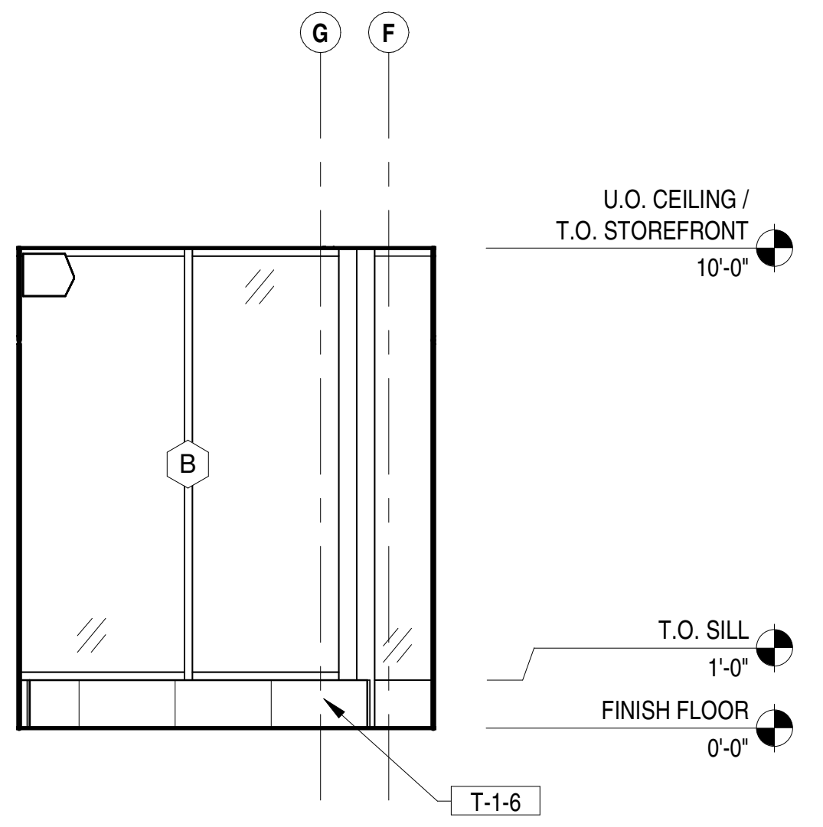
INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" **7**


C
D
E
F
P-4
COLUMN
P-4
BEAM @ STOREFRONT
P-4
COLUMN
U.O. DECK
15'-0"
T.O. CLERESTORY
14'-6"
F3
U.O. CLERESTORY
11'-6"
T.O. STOREFRONT
10'-0"
F27
TYP
F1
F2
P-4
T.O. SILL
1'-0"
FINISH FLOOR
0'-0"
T-1
T-1-6
102B
IS.14

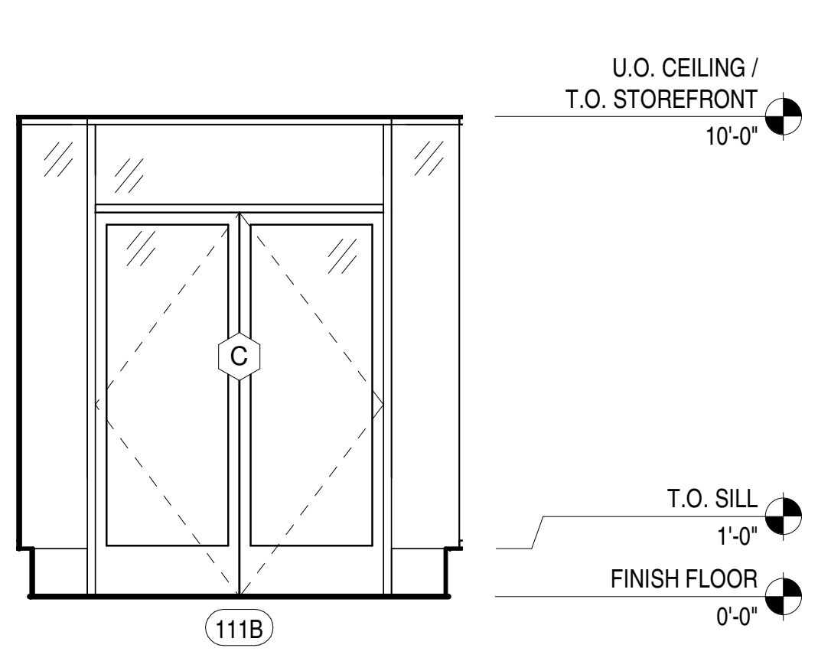
INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" **6**


6
5
4
3
P-4
BEAM @ STOREFRONT
P-4
P-4
COLUMN
P-4
PAINT COLUMN
P-4
U.O. DECK
15'-0"
T.O. CLERESTORY
14'-6"
E3
U.O. CLERESTORY
11'-6"
T.O. STOREFRONT
10'-0"
EXIT
1
A310
E1
C
E2
T.O. SILL
1'-0"
FINISH FLOOR
0'-0"
IS.15
IS.12
IS.14
T-1-6
SILL

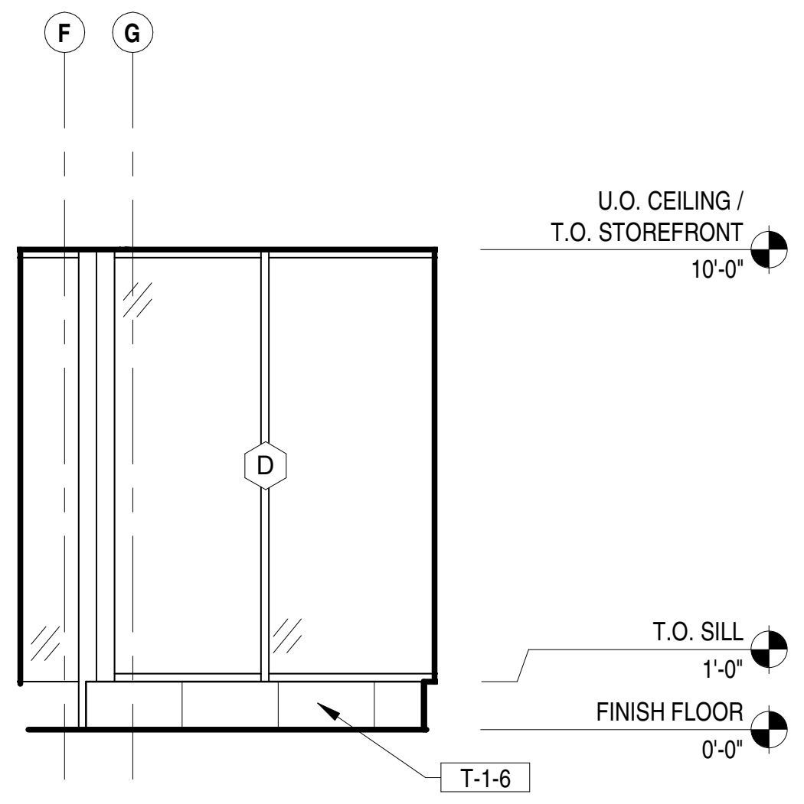
INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" **5**


G
F
U.O. CEILING / T.O. STOREFRONT
10'-0"
B
T.O. SILL
1'-0"
FINISH FLOOR
0'-0"
T-1-6

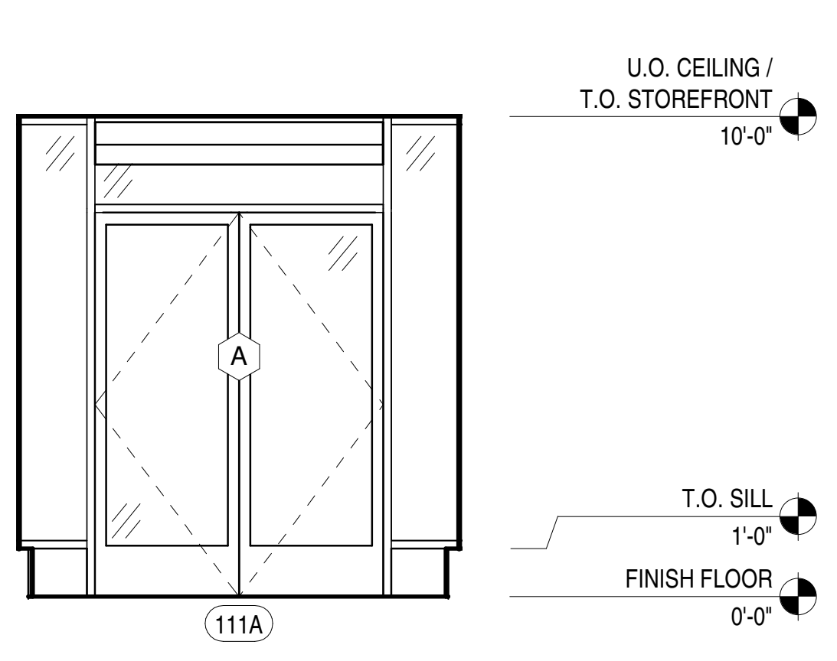
INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" **4**


U.O. CEILING / T.O. STOREFRONT
10'-0"
C
T.O. SILL
1'-0"
FINISH FLOOR
0'-0"
111B

INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" **3**


F
G
U.O. CEILING / T.O. STOREFRONT
10'-0"
D
T.O. SILL
1'-0"
FINISH FLOOR
0'-0"
T-1-6

INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" **2**


U.O. CEILING / T.O. STOREFRONT
10'-0"
A
T.O. SILL
1'-0"
FINISH FLOOR
0'-0"
111A

INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" **1**

GENERAL NOTES

A. REFER TO THE REFLECTED CEILING PLAN, FLOOR FINISH PLAN AND FINISH SCHEDULE FOR ADDITIONAL FINISH INFORMATION
B. ALL DIMENSIONS ARE TAKEN FROM TOP OF FINISH FLOOR
C. PROVIDE REQUIRED BLOCKING FOR ALL WALL MOUNTED FIXTURES, INCLUDING SHELVING, CABINETS, MENU BOARDS, WINE RACKS, & WALL MOUNTED LIGHT FIXTURES
D. **ALL VISIBLE ELECTRICAL SWITCHES, OUTLETS, COVER PLATES, ETC. TO MATCH ADJACENT FINISH. CONFIRM WITH ARCHITECT.**
E. DIFFUSERS, RETURNS, AND ANY CEILING OR SOFFIT ELECTRICAL / MECHANICAL EQUIPMENT TRIMS/ PLATES TO BE PAINTED TO MATCH ADJACENT CEILING/SOFFIT COLOR
F. LIGHT TRIM RING FINISHES ARE TO BE PAINTED TO MATCH ADJACENT CEILING / SOFFIT COLOR
G. INTERIOR PAINT COLORS, WOOD TRIM & WOOD WALL PANELING PATTERNS TO BE FINALIZED BY DESIGNER, TYP.
H. **PAINT ALL GWB ON F.O.H WALLS P-2, UNLESS NOTED OTHERWISE ON ELEVATIONS; CONFIRM WITH ARCHITECT**
I. KITCHEN EQUIPMENT SHOWN IN HALFTONE FOR REFERENCE ONLY. REFER TO K-SHEETS FOR ADDITIONAL INFORMATION.
J. ACOUSTICAL CEILING INSULATION TO BE INSTALLED BELOW STRUCTURAL DECKING IN ALL AREAS WITH EXPOSED DECK.

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NO.	BY	DATE	DESCRIPTION
6		2021-08-09	FIELD NOTICE #3
3		2021-04-26	ISSUED FOR CONSTRUCTION
		2021-01-11	PERMIT/BID SET
		2020-12-21	75% SET
		2020-10-12	DD SET

SHAKE SHACK®

SHAKE SHACK - LEE'S SUMMIT MO

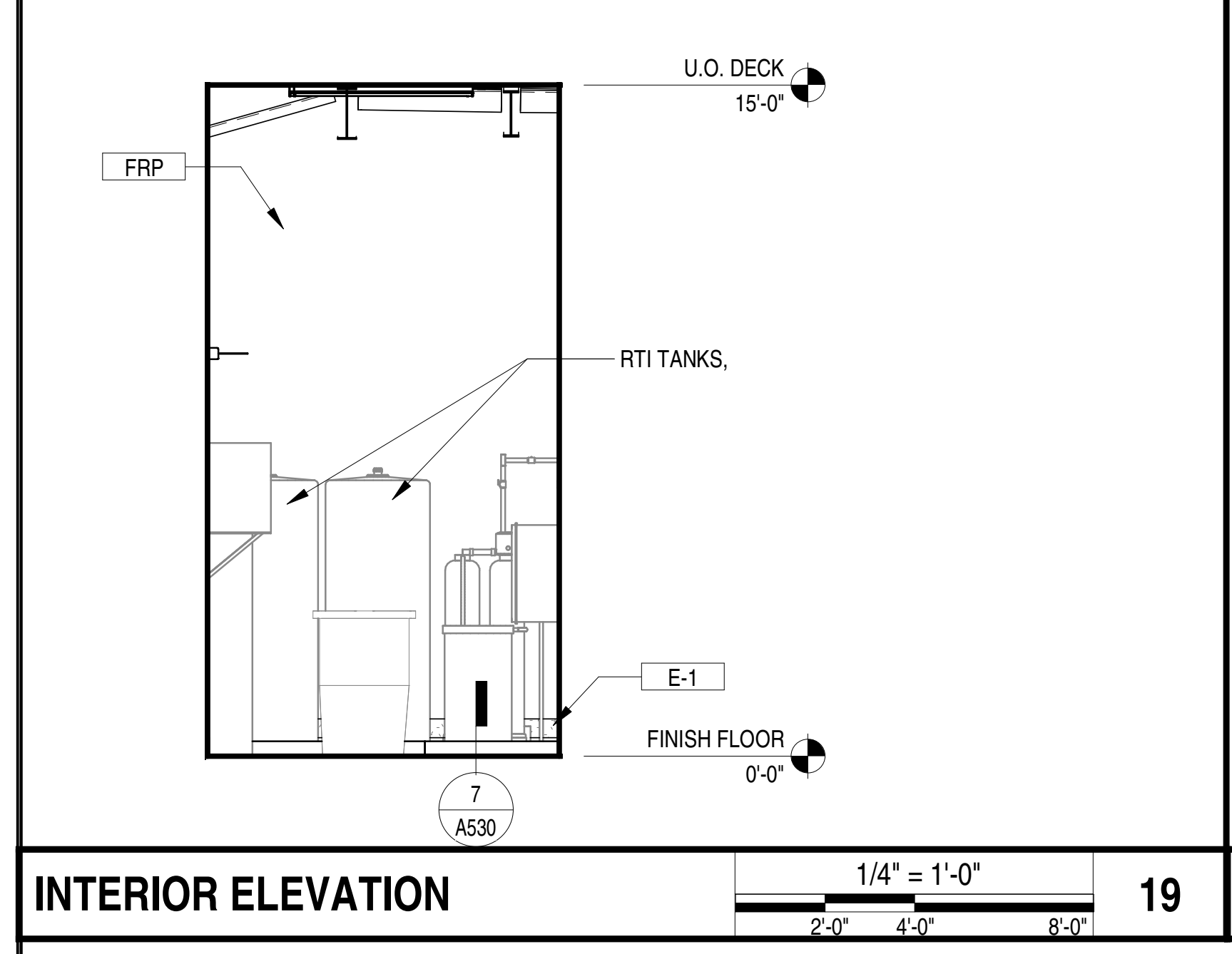
2051 NW LOWENSTEIN DRIVE
LEE'S SUMMIT, MISSOURI 64081
SHACK #1348

FIELD NOTICE #3

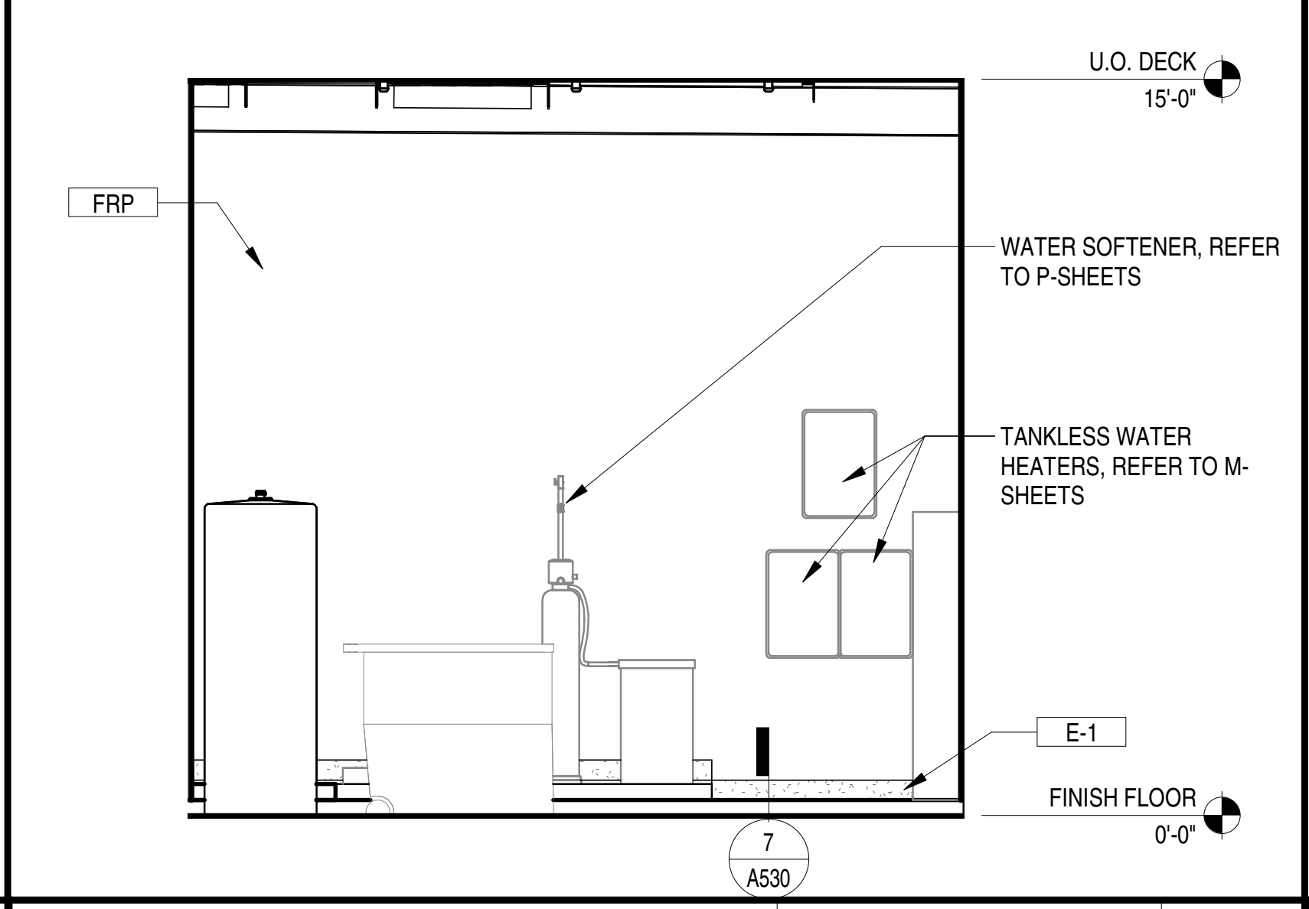
INTERIOR ELEVATIONS

DRAWN BY: CS & WQL
CHECKED BY: JS
JOB NO: 20068.00

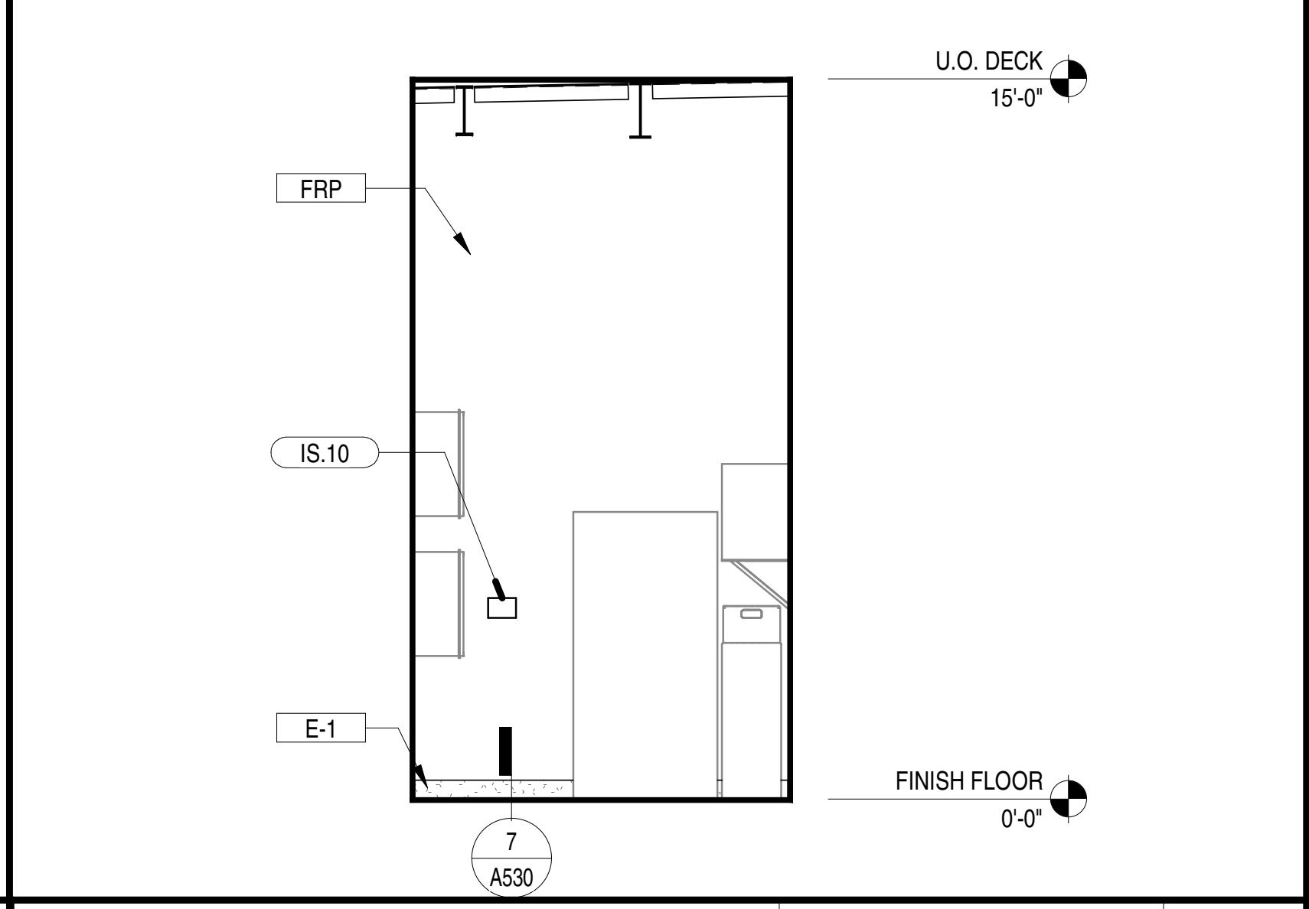
A210


U.O. DECK
15'-0"
FRP
RTI TANKS,
E-1
FINISH FLOOR
0'-0"
7
A530

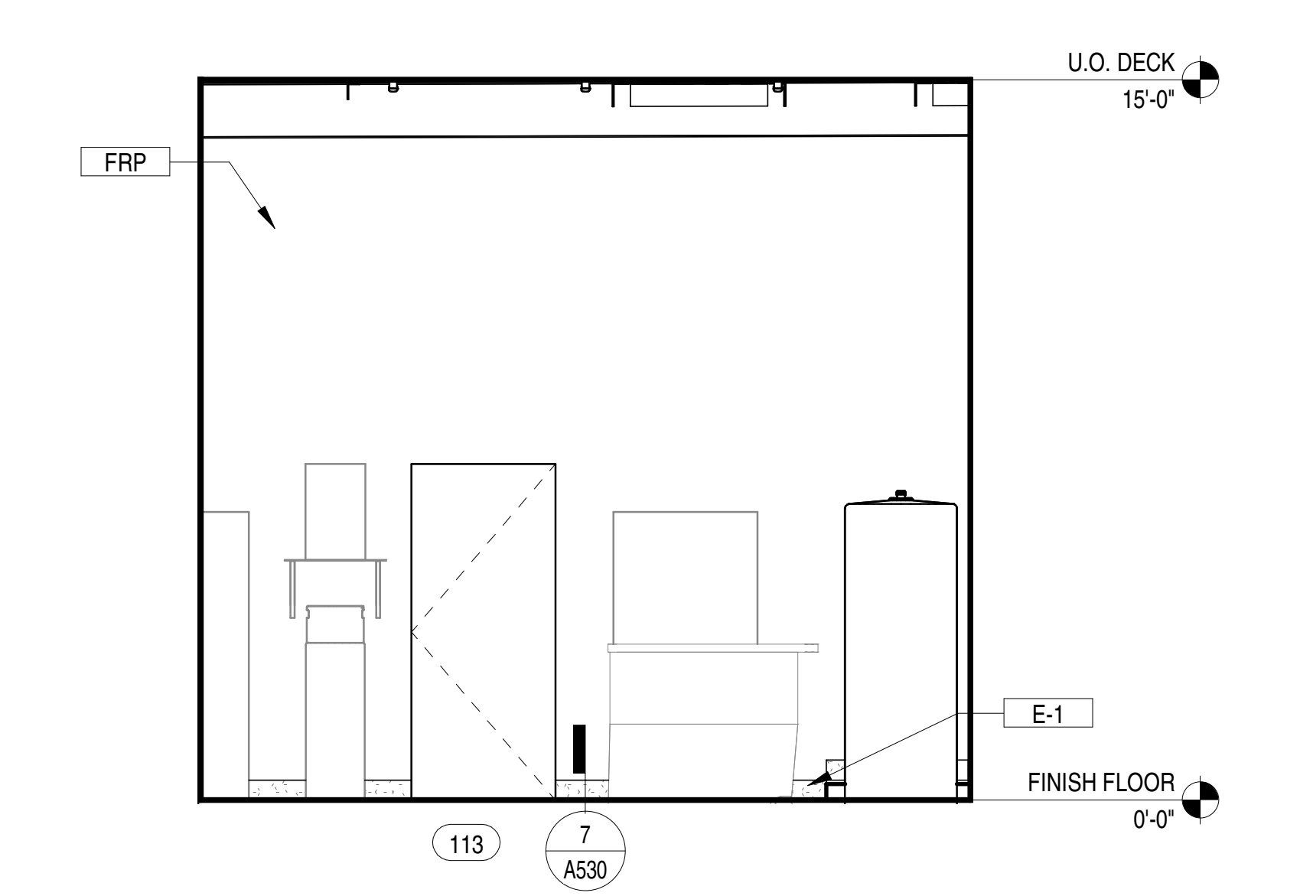
INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" 19


U.O. DECK
15'-0"
FRP
WATER SOFTENER, REFER TO P-SHEETS
TANKLESS WATER HEATERS, REFER TO M-SHEETS
E-1
FINISH FLOOR
0'-0"
7
A530

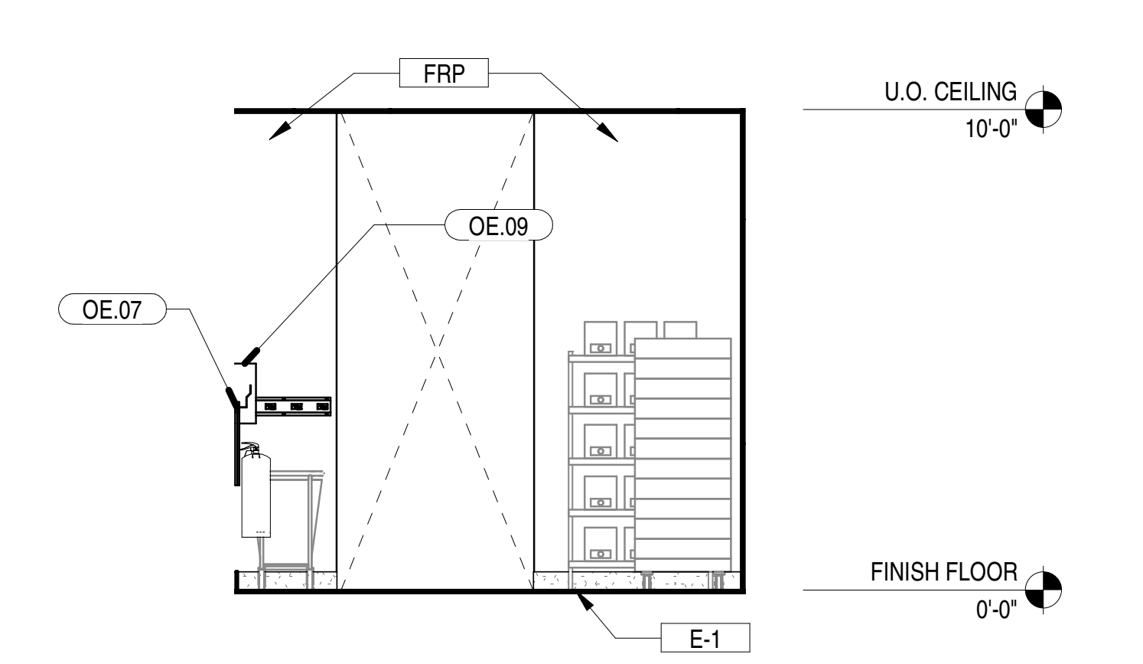
INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" 18


U.O. DECK
15'-0"
FRP
IS.10
E-1
FINISH FLOOR
0'-0"
7
A530

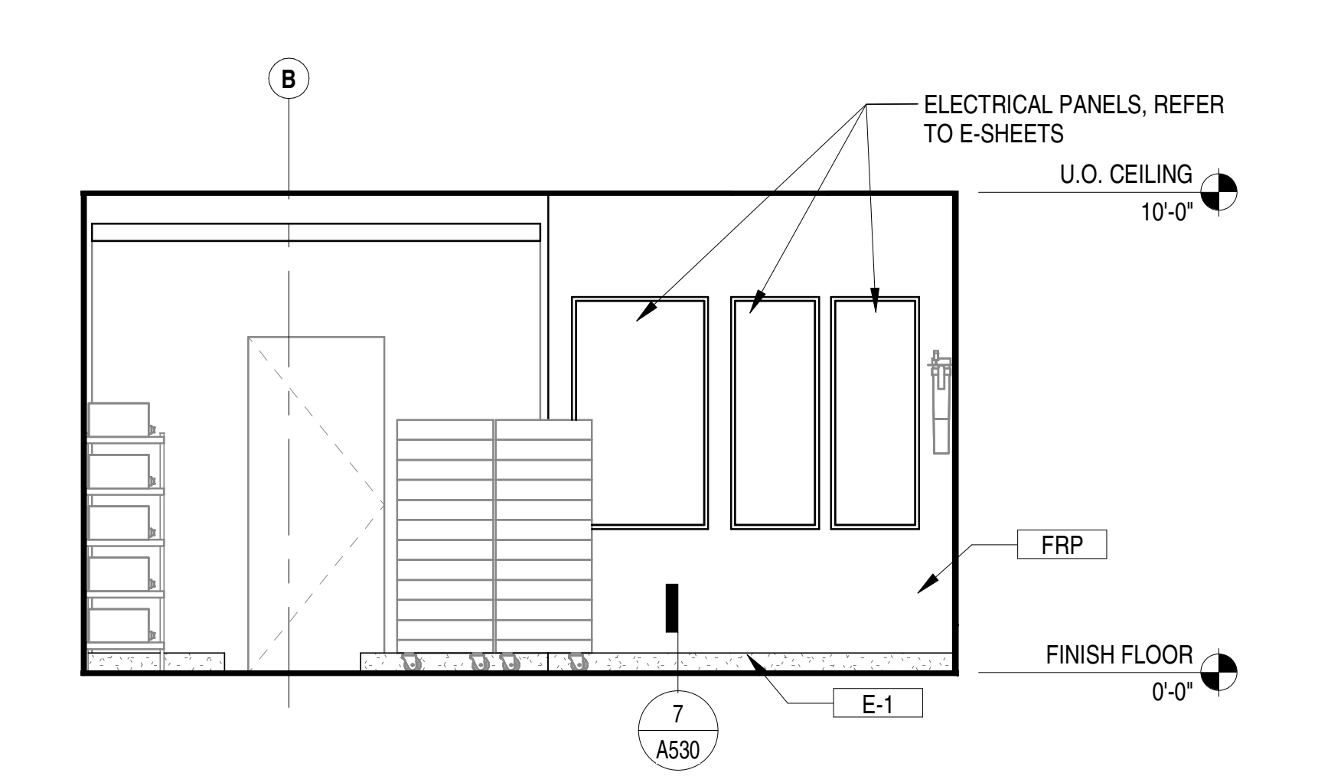
INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" 17


U.O. DECK
15'-0"
FRP
E-1
FINISH FLOOR
0'-0"
113
7
A530

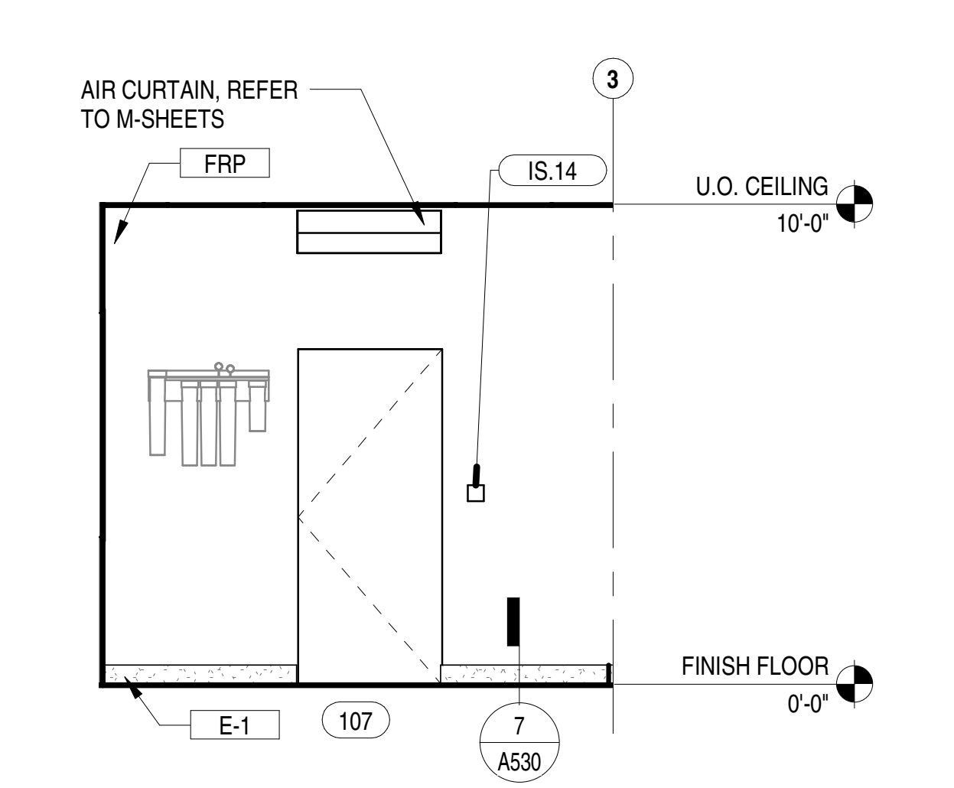
INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" 16


FRP
U.O. CEILING
10'-0"
OE.09
OE.07
FINISH FLOOR
0'-0"
E-1

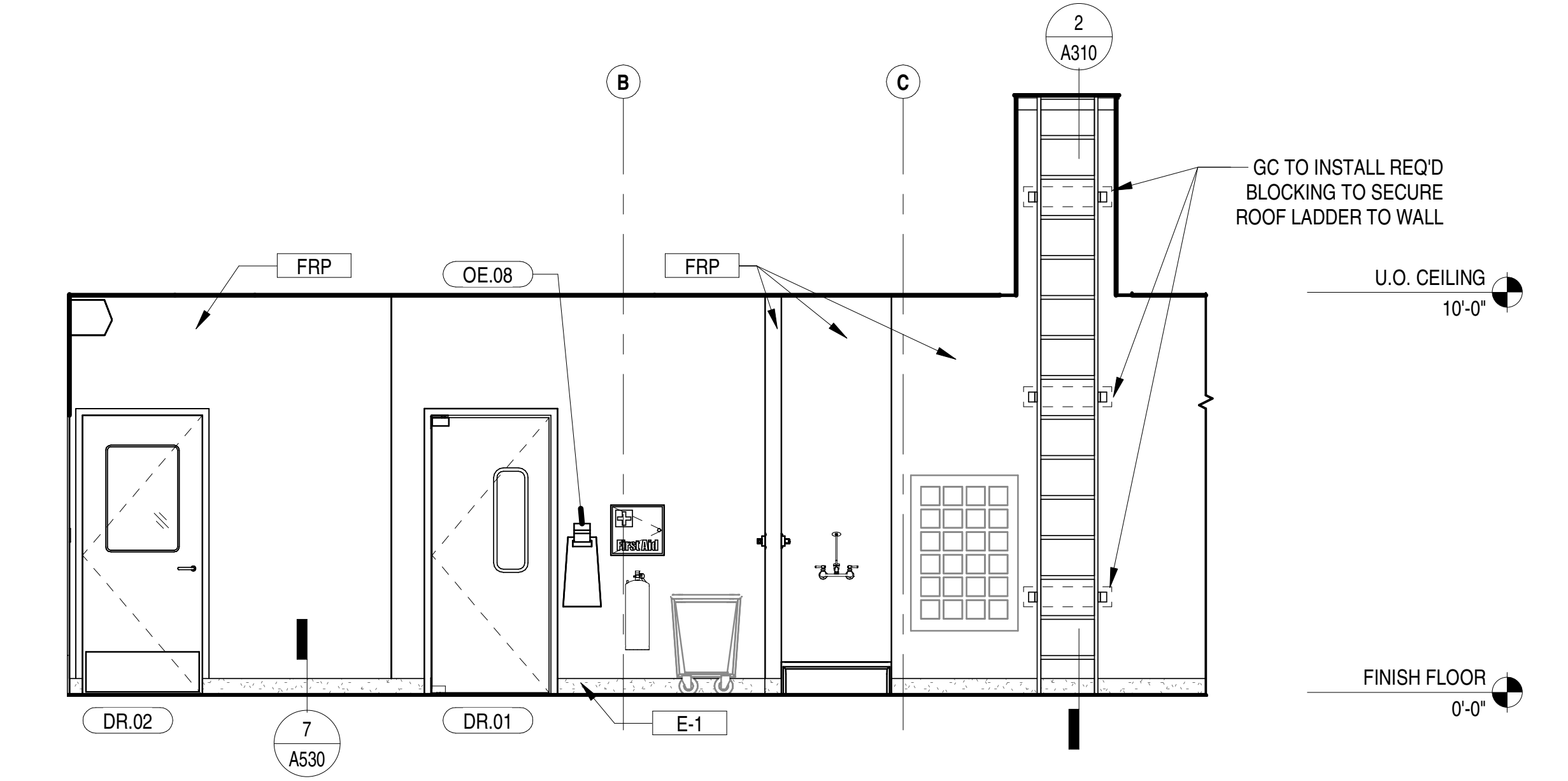
INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" 15


B
ELECTRICAL PANELS, REFER TO E-SHEETS
U.O. CEILING
10'-0"
FRP
FINISH FLOOR
0'-0"
E-1
7
A530

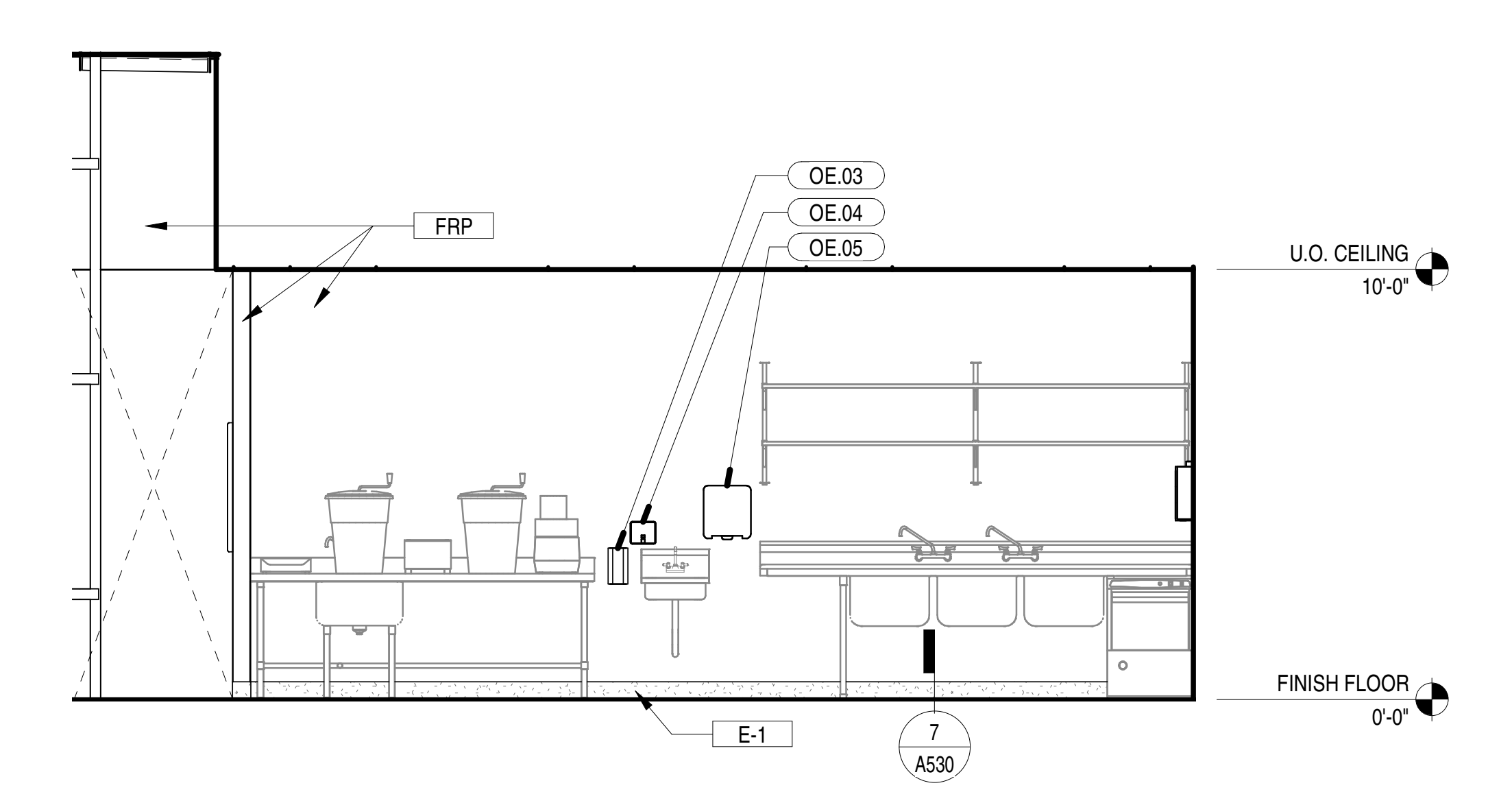
INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" 14


3
AIR CURTAIN, REFER TO M-SHEETS
FRP
IS.14
U.O. CEILING
10'-0"
FINISH FLOOR
0'-0"
E-1
107
7
A530

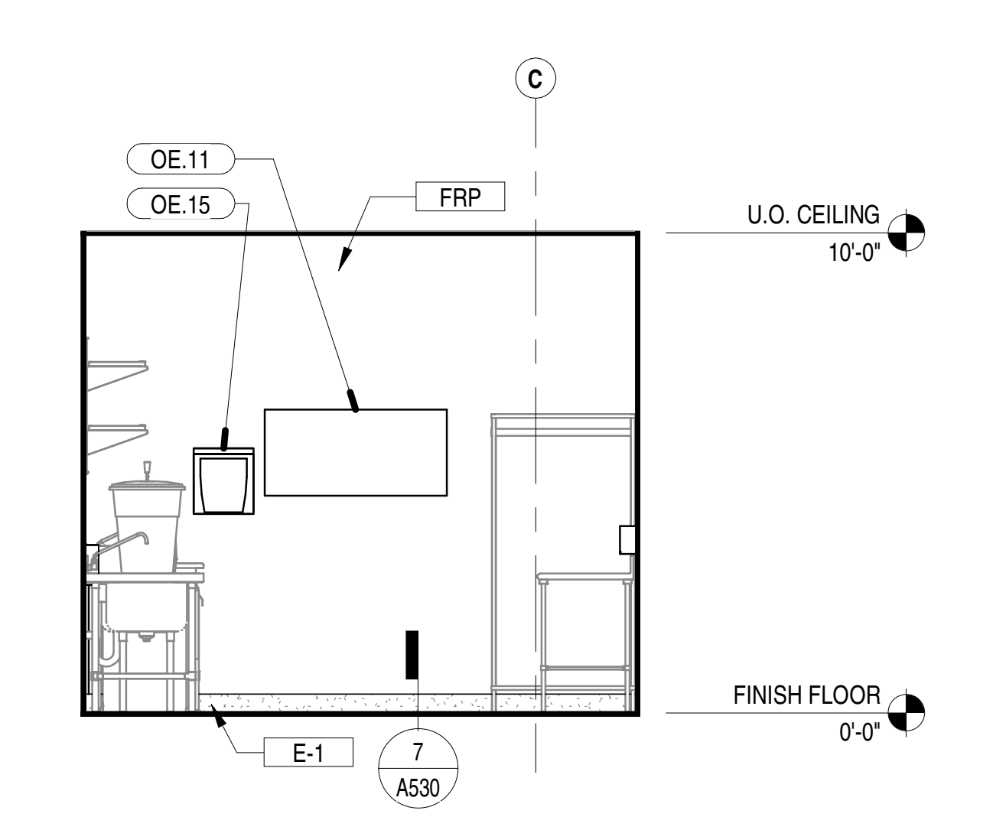
INT ELEV 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" 13


B
C
2
A310
GC TO INSTALL REQ'D BLOCKING TO SECURE ROOF LADDER TO WALL
FRP
OE.08
FRP
U.O. CEILING
10'-0"
FINISH FLOOR
0'-0"
DR.02
7
A530
DR.01
E-1

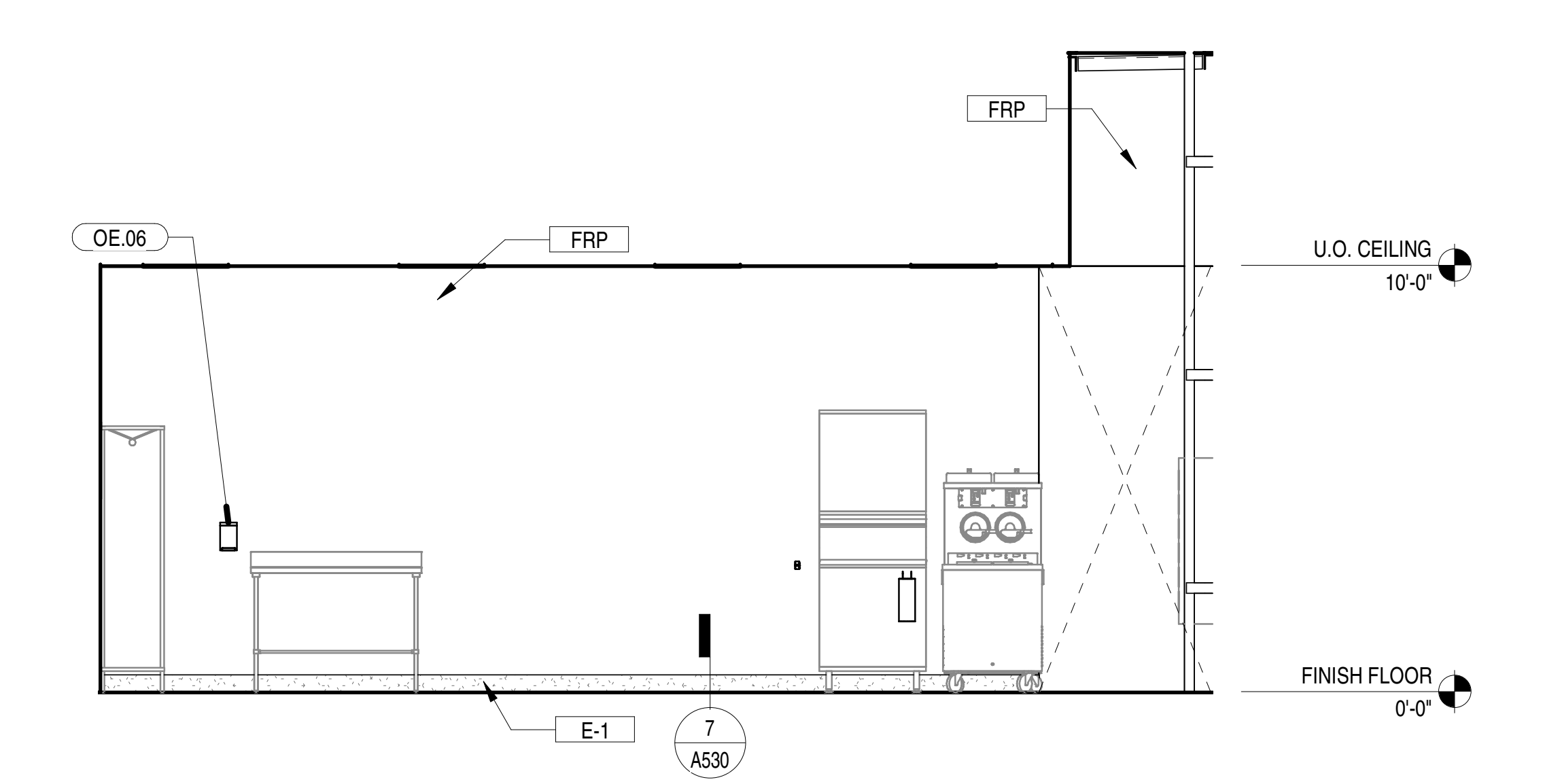
INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" 12


FRP
OE.03
OE.04
OE.05
U.O. CEILING
10'-0"
FINISH FLOOR
0'-0"
E-1
7
A530

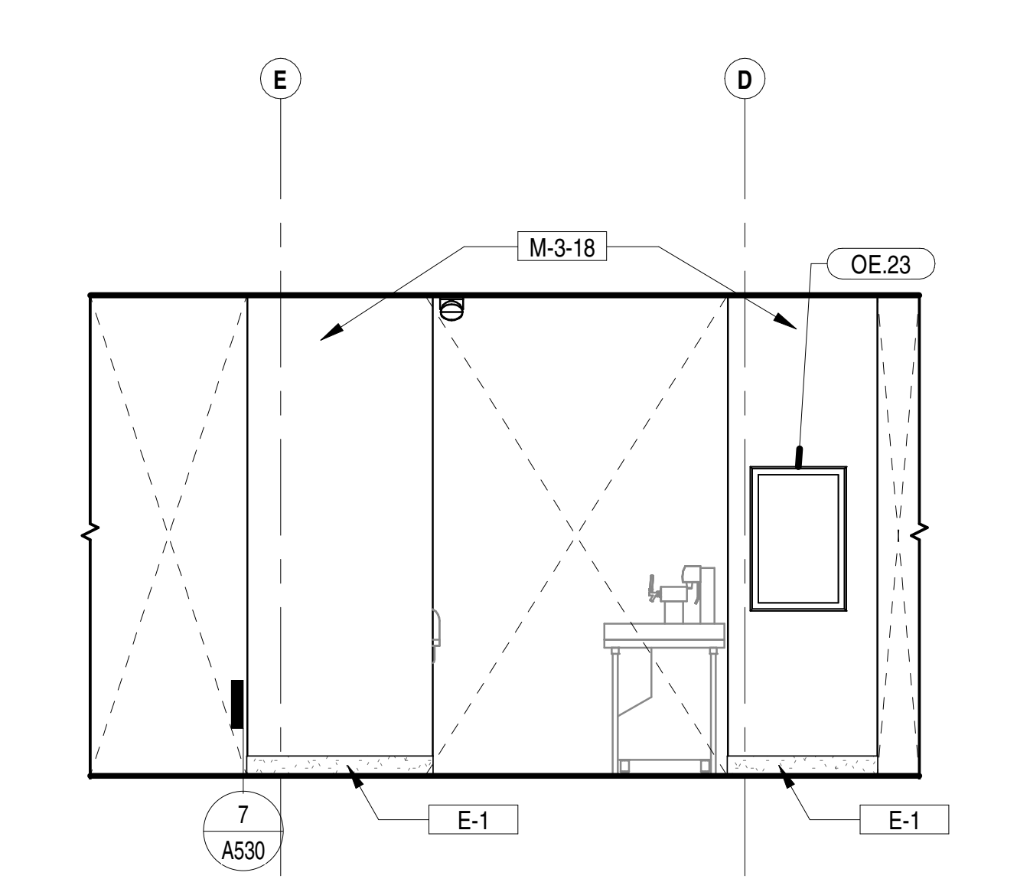
INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" 11


C
OE.11
OE.15
FRP
U.O. CEILING
10'-0"
FINISH FLOOR
0'-0"
E-1
7
A530

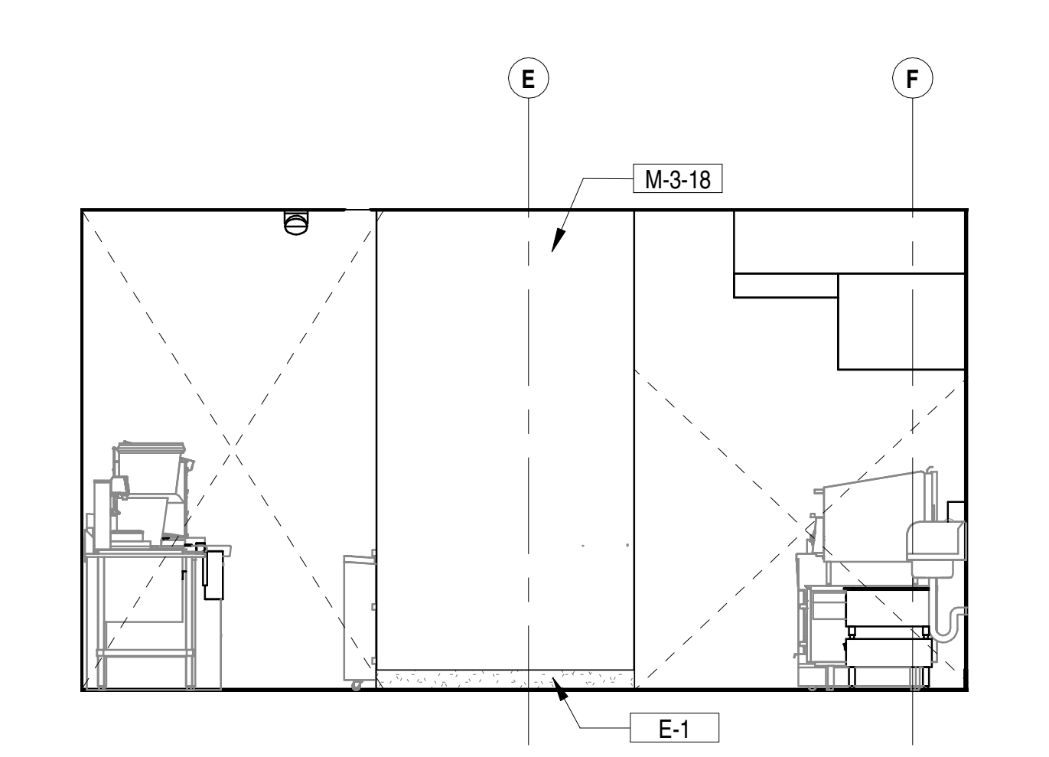
INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" 10


FRP
OE.06
FRP
U.O. CEILING
10'-0"
FINISH FLOOR
0'-0"
E-1
7
A530

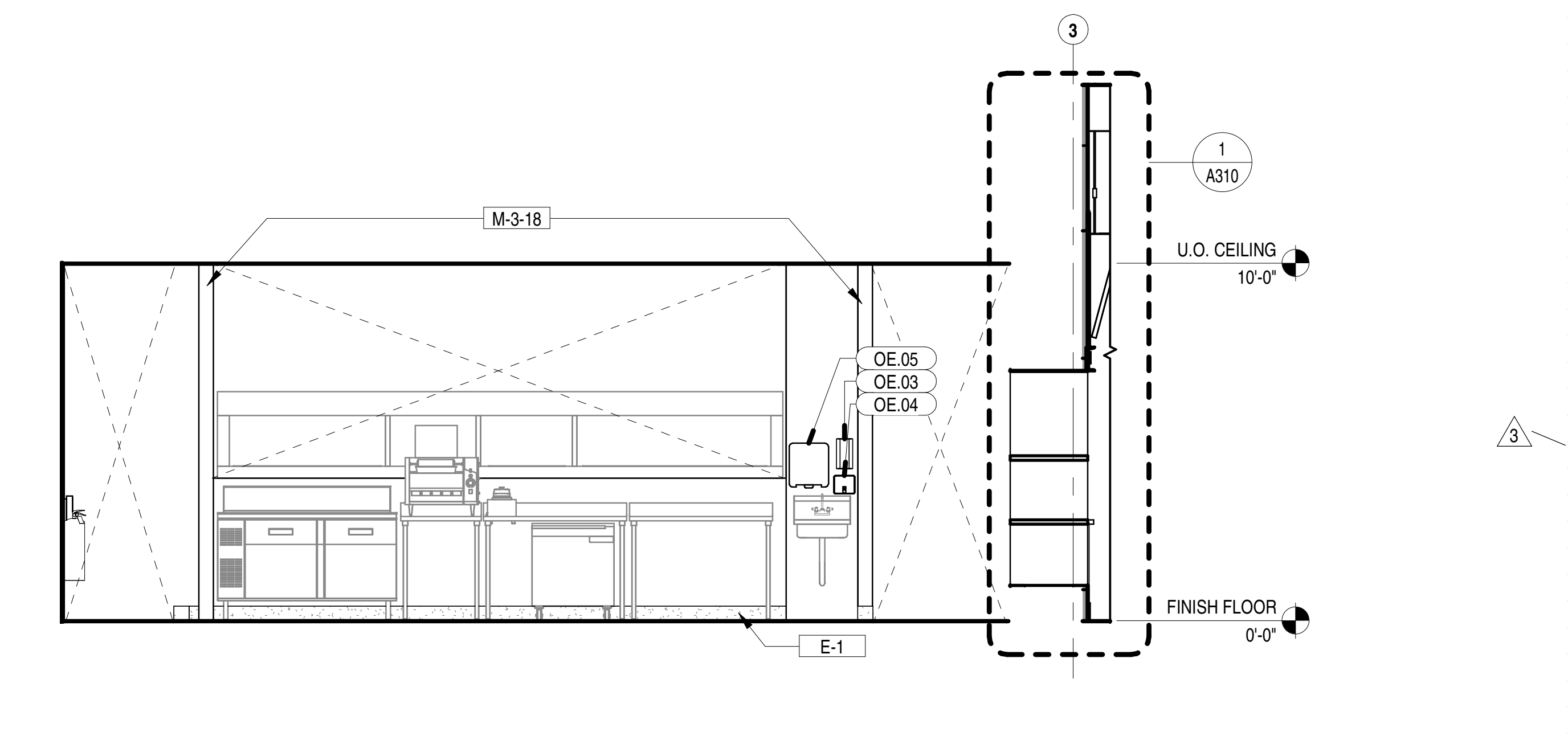
INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" 9


E
D
M-3-18
OE.23
7
A530
E-1
E-1

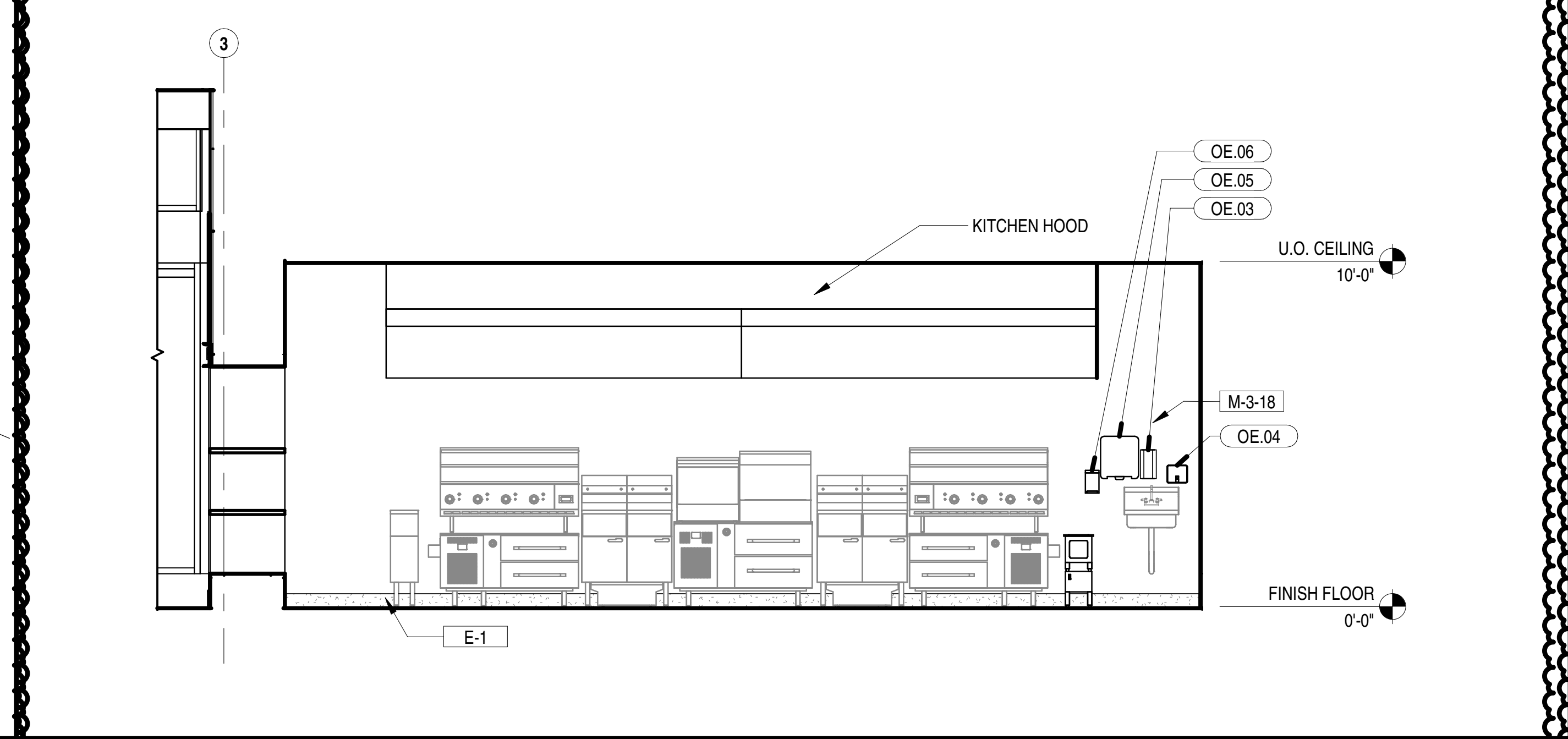
INTERIOR ELEVATION 1/4" = 1'-0" 8



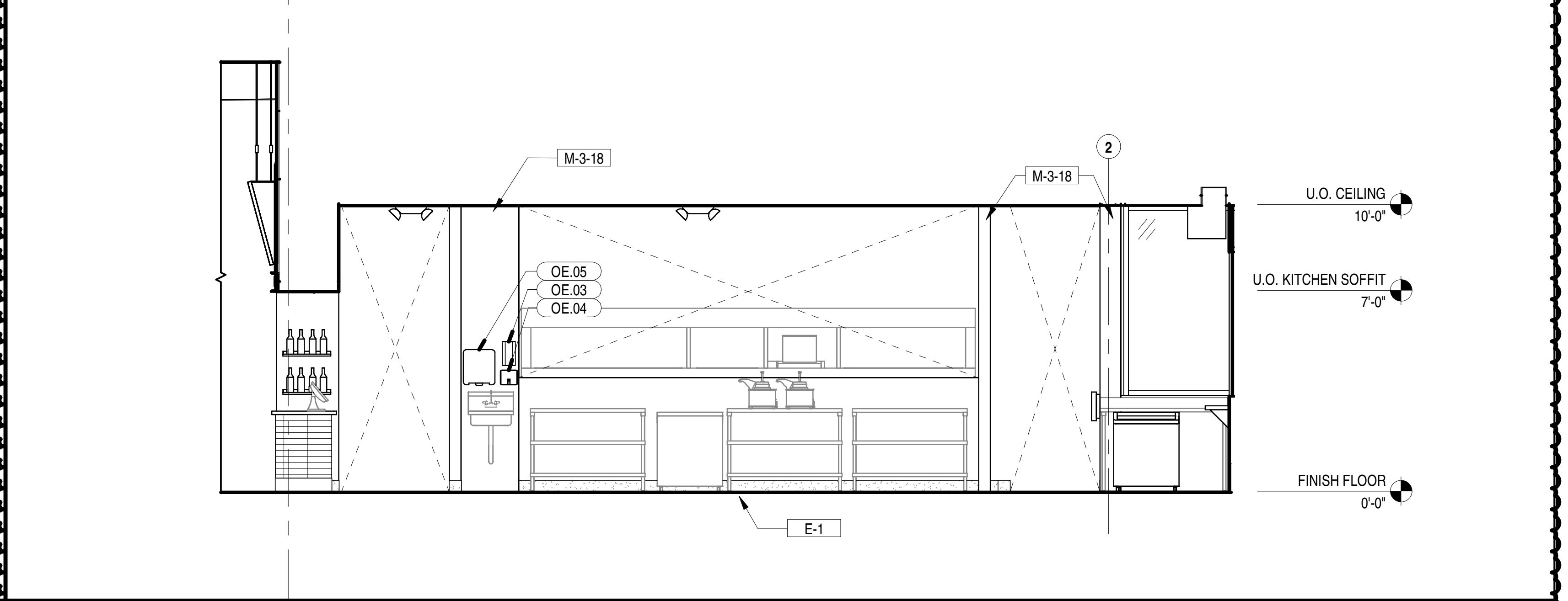
INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" 7


3
1
A310
M-3-18
OE.05
OE.03
OE.04
U.O. CEILING
10'-0"
FINISH FLOOR
0'-0"
E-1
6
3

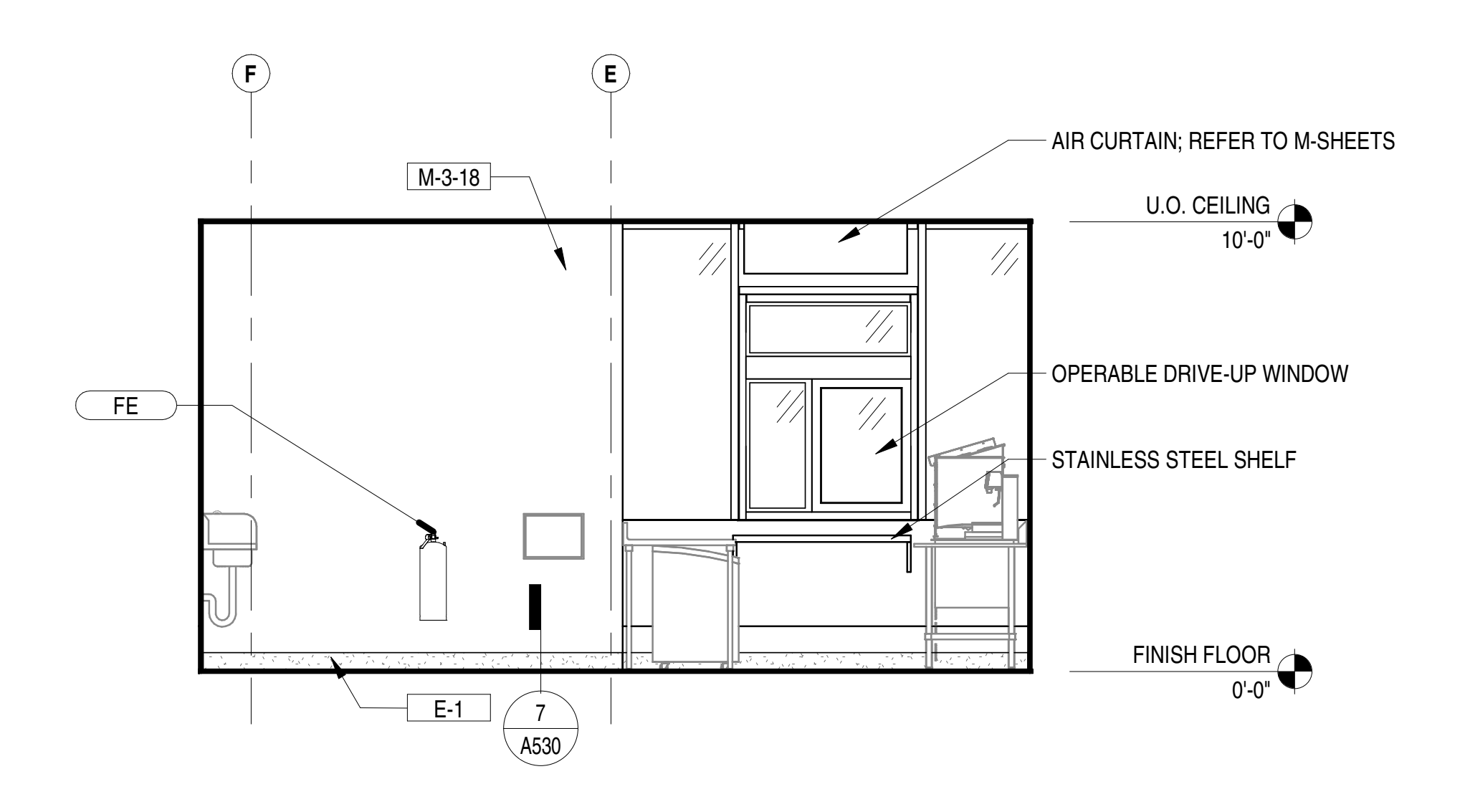
INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" 6


3
KITCHEN HOOD
OE.06
OE.05
OE.03
M-3-18
OE.04
U.O. CEILING
10'-0"
FINISH FLOOR
0'-0"
E-1

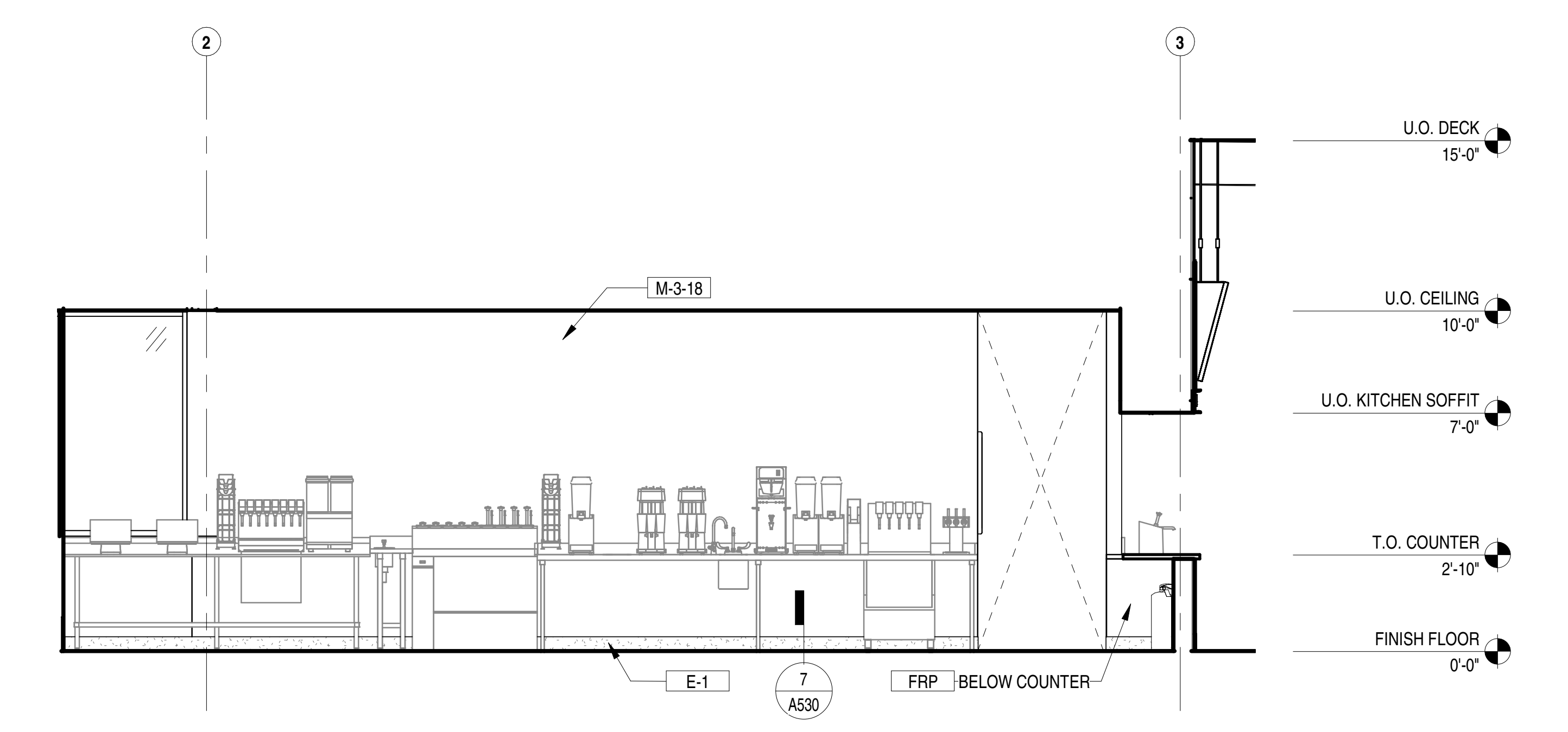
INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" 5


3
2
M-3-18
M-3-18
OE.05
OE.03
OE.04
U.O. CEILING
10'-0"
U.O. KITCHEN SOFFIT
7'-0"
FINISH FLOOR
0'-0"
E-1
3

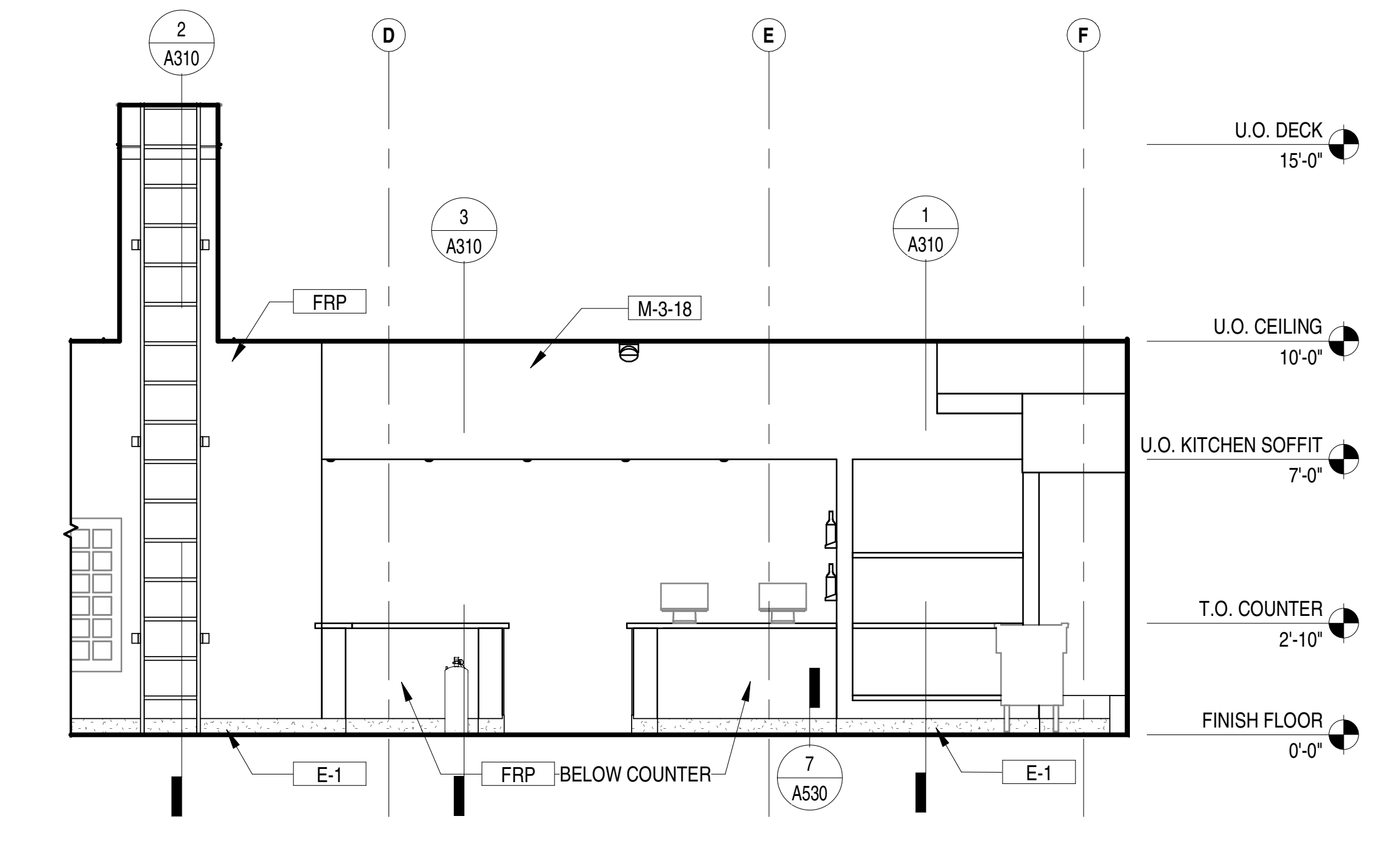
INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" 4


F
E
M-3-18
AIR CURTAIN; REFER TO M-SHEETS
U.O. CEILING
10'-0"
OPERABLE DRIVE-UP WINDOW
STAINLESS STEEL SHELF
FE
FINISH FLOOR
0'-0"
E-1
7
A530

INTERIOR ELEVATION 1/4" = 1'-0" 2'-0" 4'-0" 8'-0" 3


2
3
U.O. DECK
15'-0"
M-3-18
U.O. CEILING
10'-0"
U.O. KITCHEN SOFFIT
7'-0"
T.O. COUNTER
2'-10"
FINISH FLOOR
0'-0"
E-1
7
A530
FRP
BELOW COUNTER

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


2
A310
D
E
F
3
A310
1
A310
U.O. DECK
15'-0"
FRP
M-3-18
U.O. CEILING
10'-0"
U.O. KITCHEN SOFFIT
7'-0"
T.O. COUNTER
2'-10"
FINISH FLOOR
0'-0"
E-1
FRP
BELOW COUNTER
7
A530
E-1

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

GENERAL NOTES

A. REFER TO THE REFLECTED CEILING PLAN, FLOOR FINISH PLAN AND FINISH SCHEDULE FOR ADDITIONAL FINISH INFORMATION
B. ALL DIMENSIONS ARE TAKEN FROM TOP OF FINISH FLOOR
C. PROVIDE REQUIRED BLOCKING FOR ALL WALL MOUNTED FIXTURES, INCLUDING SHELVING, CABINETS, MENU BOARDS, WINE RACKS, & WALL MOUNTED LIGHT FIXTURES
D. **ALL VISIBLE ELECTRICAL SWITCHES, OUTLETS, COVER PLATES, ETC. TO MATCH ADJACENT FINISH. CONFIRM WITH ARCHITECT.**
E. DIFFUSERS, RETURNS, AND ANY CEILING OR SOFFIT ELECTRICAL / MECHANICAL EQUIPMENT TRIMS/ PLATES TO BE PAINTED TO MATCH ADJACENT CEILING/SOFFIT COLOR
F. LIGHT TRIM RING FINISHES ARE TO BE PAINTED TO MATCH ADJACENT CEILING / SOFFIT COLOR
G. INTERIOR PAINT COLORS, WOOD TRIM & WOOD WALL PANELING PATTERNS TO BE FINALIZED BY DESIGNER, TYP.
H. **PAINT ALL GWB ON F.O.H WALLS P-2, UNLESS NOTED OTHERWISE ON ELEVATIONS; CONFIRM WITH ARCHITECT**
I. KITCHEN EQUIPMENT SHOWN IN HALFTONE FOR REFERENCE ONLY. REFER TO K-SHEETS FOR ADDITIONAL INFORMATION.
J. ACOUSTICAL CEILING INSULATION TO BE INSTALLED BELOW STRUCTURAL DECKING IN ALL AREAS WITH EXPOSED DECK.

8/10/2021 2:17:26 PM C:\Users\sgoodman\Documents\068_RVT 2020_Shake Shack-Lee's Summit_Central_sgoodman@bergmeyer.com.rvt

Bergmeyer

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212.337.1090

www.bergmeyer.com

CONSULTANTS:

SEAL/ SIGNATURE:

NO.	BY	DATE	DESCRIPTION
6		2021-08-09	FIELD NOTICE #3
3		2021-04-26	ISSUED FOR CONSTRUCTION
		2021-01-11	PERMIT/BID SET
		2020-12-21	75% SET
		2020-10-12	DD SET

SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

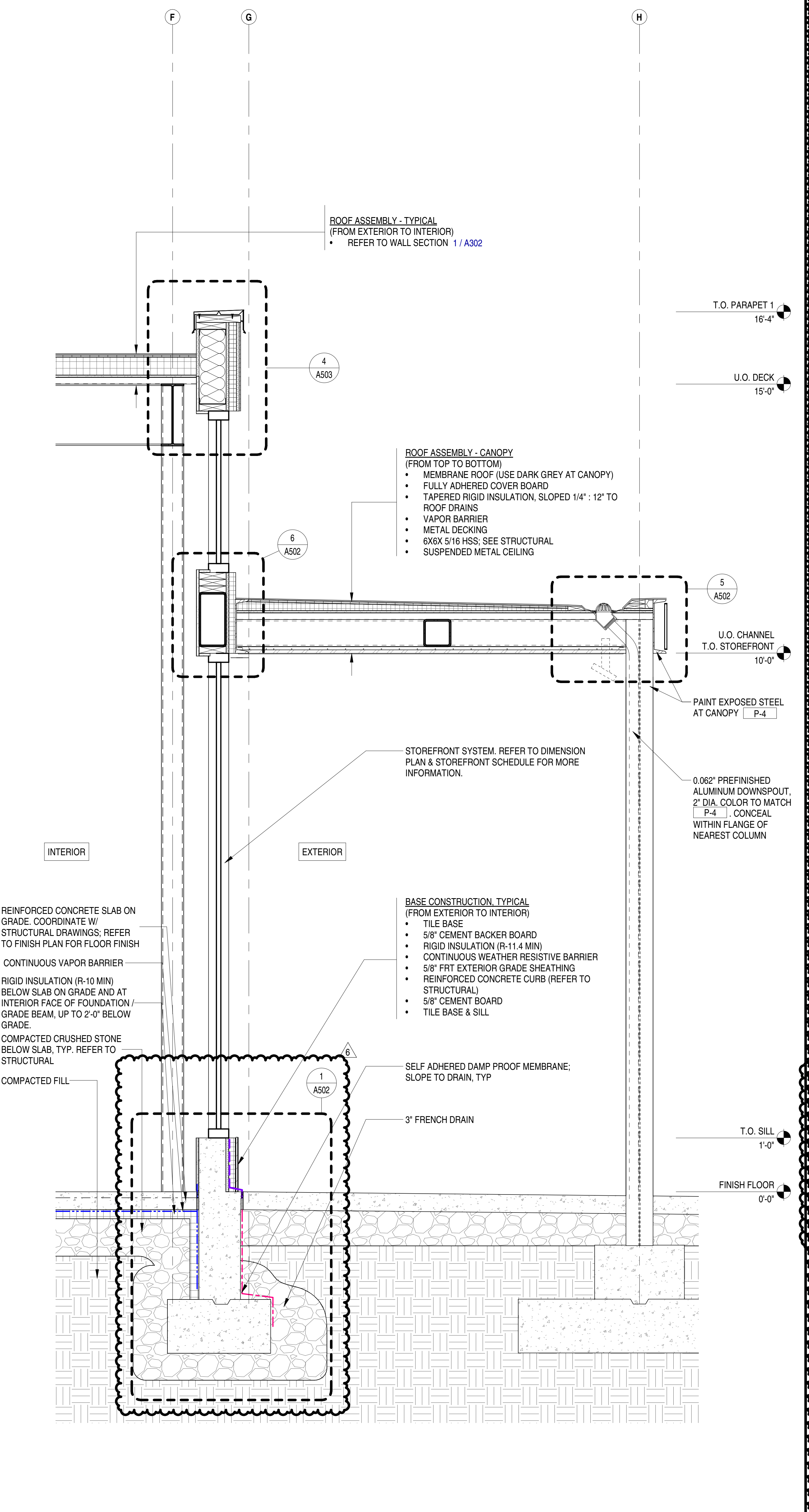
2051 NW LOWENSTEIN DRIVE
LEE'S SUMMIT, MISSOURI 64081
SHACK #1348

FIELD NOTICE #3

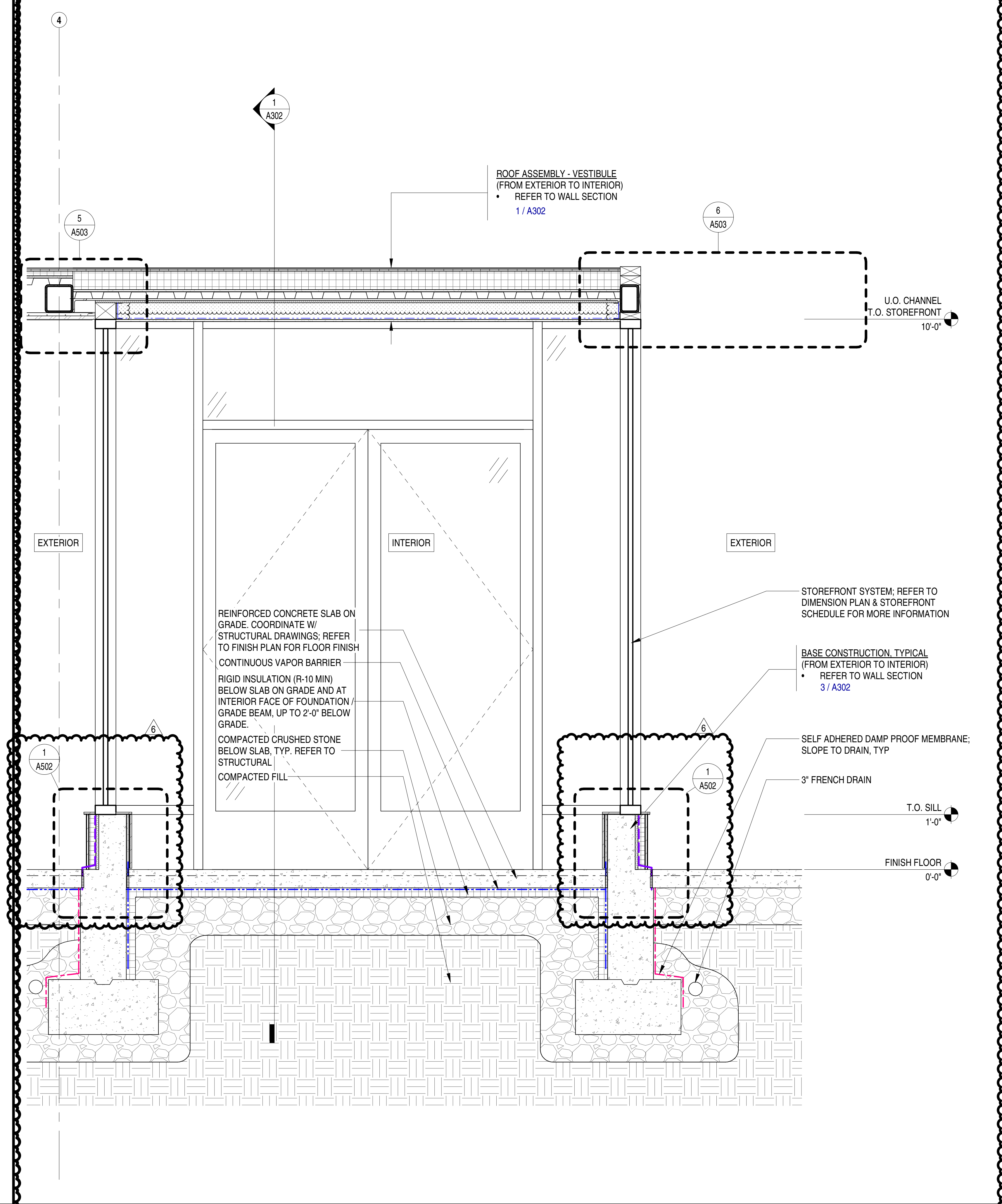
INTERIOR ELEVATIONS

DRAWN BY: CS & WQL
CHECKED BY: JS
JOB NO: 20068.00

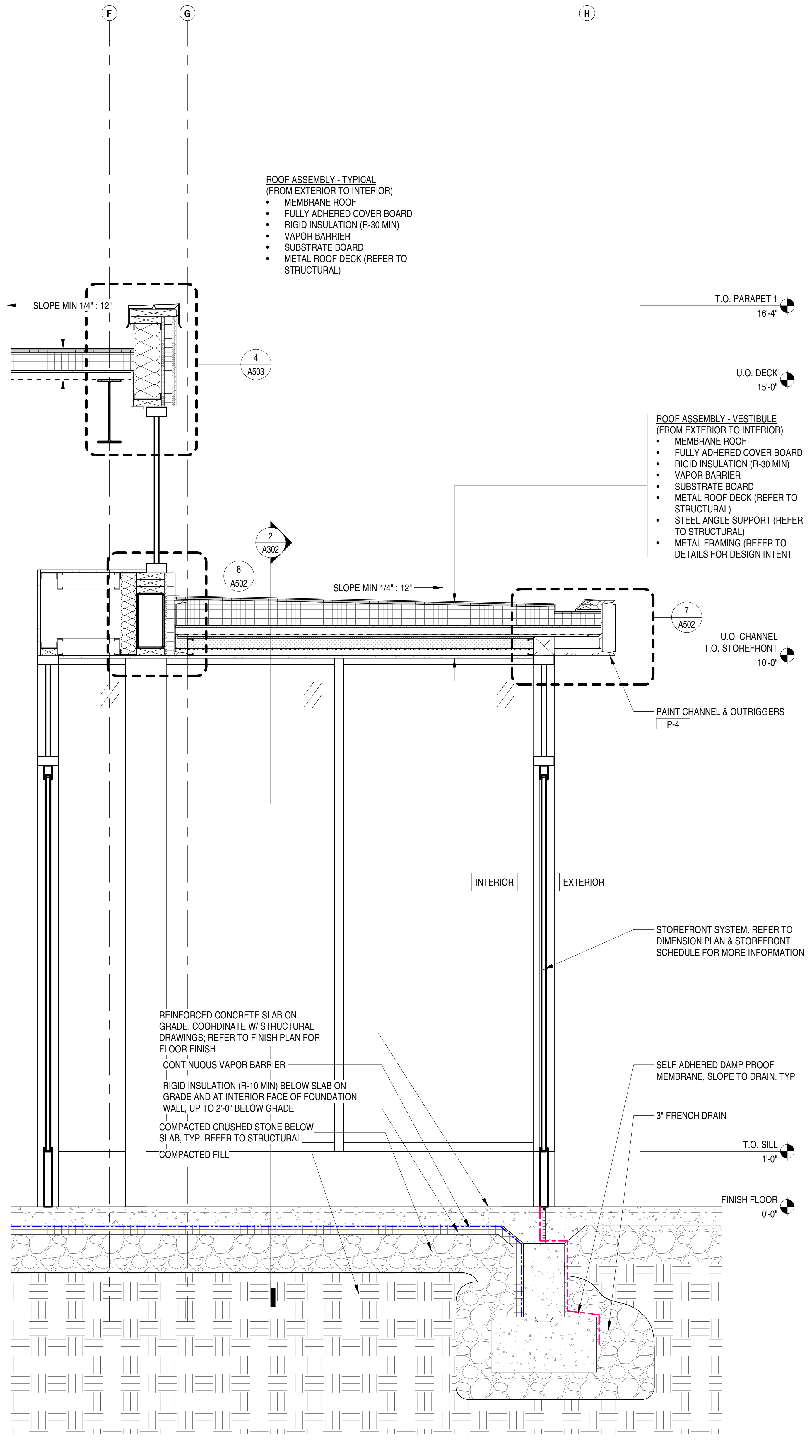
A211


F
G
H
ROOF ASSEMBLY - TYPICAL
(FROM EXTERIOR TO INTERIOR)
• REFER TO WALL SECTION 1 / A302
T.O. PARAPET 1 16'-4"
U.O. DECK 15'-0"
4 A503
ROOF ASSEMBLY - CANOPY
(FROM TOP TO BOTTOM)
• MEMBRANE ROOF (USE DARK GREY AT CANOPY)
• FULLY ADHERED COVER BOARD
• TAPERED RIGID INSULATION, SLOPED 1/4" : 12" TO ROOF DRAINS
• VAPOR BARRIER
• METAL DECKING
• 6X6X 5/16 HSS; SEE STRUCTURAL
• SUSPENDED METAL CEILING
6 A502
5 A502
U.O. CHANNEL
T.O. STOREFRONT 10'-0"
PAINT EXPOSED STEEL AT CANOPY P-4
STOREFRONT SYSTEM. REFER TO DIMENSION PLAN & STOREFRONT SCHEDULE FOR MORE INFORMATION.
0.062" PREFINISHED ALUMINUM DOWNSPOUT, 2" DIA. COLOR TO MATCH P-4 . CONCEAL WITHIN FLANGE OF NEAREST COLUMN
INTERIOR
EXTERIOR
REINFORCED CONCRETE SLAB ON GRADE. COORDINATE W/ STRUCTURAL DRAWINGS; REFER TO FINISH PLAN FOR FLOOR FINISH
CONTINUOUS VAPOR BARRIER
RIGID INSULATION (R-10 MIN) BELOW SLAB ON GRADE AND AT INTERIOR FACE OF FOUNDATION / GRADE BEAM, UP TO 2'-0" BELOW GRADE.
COMPACTED CRUSHED STONE BELOW SLAB, TYP. REFER TO STRUCTURAL
COMPACTED FILL
BASE CONSTRUCTION, TYPICAL
(FROM EXTERIOR TO INTERIOR)
• TILE BASE
• 5/8" CEMENT BACKER BOARD
• RIGID INSULATION (R-11.4 MIN)
• CONTINUOUS WEATHER RESISTIVE BARRIER
• 5/8" FRT EXTERIOR GRADE SHEATHING
• REINFORCED CONCRETE CURB (REFER TO STRUCTURAL)
• 5/8" CEMENT BOARD
• TILE BASE & SILL
6
1 A502
SELF ADHERED DAMP PROOF MEMBRANE; SLOPE TO DRAIN, TYP
3" FRENCH DRAIN
T.O. SILL 1'-0"
FINISH FLOOR 0'-0"

EXTERIOR WALL SECTION 3 - STOREFRONT AND CANOPY 3/4" = 1'-0" 6" 1'-0" 2'-0" 3


4
1 A302
ROOF ASSEMBLY - VESTIBULE
(FROM EXTERIOR TO INTERIOR)
• REFER TO WALL SECTION 1 / A302
5 A503
6 A503
U.O. CHANNEL
T.O. STOREFRONT 10'-0"
EXTERIOR
INTERIOR
EXTERIOR
STOREFRONT SYSTEM; REFER TO DIMENSION PLAN & STOREFRONT SCHEDULE FOR MORE INFORMATION
REINFORCED CONCRETE SLAB ON GRADE. COORDINATE W/ STRUCTURAL DRAWINGS; REFER TO FINISH PLAN FOR FLOOR FINISH
CONTINUOUS VAPOR BARRIER
RIGID INSULATION (R-10 MIN) BELOW SLAB ON GRADE AND AT INTERIOR FACE OF FOUNDATION / GRADE BEAM, UP TO 2'-0" BELOW GRADE.
COMPACTED CRUSHED STONE BELOW SLAB, TYP. REFER TO STRUCTURAL
COMPACTED FILL
BASE CONSTRUCTION, TYPICAL
(FROM EXTERIOR TO INTERIOR)
• REFER TO WALL SECTION 3 / A302
6
1 A502
6
1 A502
SELF ADHERED DAMP PROOF MEMBRANE; SLOPE TO DRAIN, TYP
3" FRENCH DRAIN
T.O. SILL 1'-0"
FINISH FLOOR 0'-0"

EXTERIOR WALL SECTION 2 - VESTIBULE WALL 3/4" = 1'-0" 6" 1'-0" 2'-0" 2


F
G
H
ROOF ASSEMBLY - TYPICAL
(FROM EXTERIOR TO INTERIOR)
• MEMBRANE ROOF
• FULLY ADHERED COVER BOARD
• RIGID INSULATION (R-30 MIN)
• VAPOR BARRIER
• SUBSTRATE BOARD
• METAL ROOF DECK (REFER TO STRUCTURAL)
SLOPE MIN 1/4" : 12"
T.O. PARAPET 1 16'-4"
4 A503
U.O. DECK 15'-0"
ROOF ASSEMBLY - VESTIBULE
(FROM EXTERIOR TO INTERIOR)
• MEMBRANE ROOF
• FULLY ADHERED COVER BOARD
• RIGID INSULATION (R-30 MIN)
• VAPOR BARRIER
• SUBSTRATE BOARD
• METAL ROOF DECK (REFER TO STRUCTURAL)
• STEEL ANGLE SUPPORT (REFER TO STRUCTURAL)
• METAL FRAMING (REFER TO DETAILS FOR DESIGN INTENT
2 A302
8 A502
SLOPE MIN 1/4" : 12"
7 A502
U.O. CHANNEL
T.O. STOREFRONT 10'-0"
PAINT CHANNEL & OUTRIGGERS P-4
INTERIOR
EXTERIOR
STOREFRONT SYSTEM. REFER TO DIMENSION PLAN & STOREFRONT SCHEDULE FOR MORE INFORMATION
REINFORCED CONCRETE SLAB ON GRADE. COORDINATE W/ STRUCTURAL DRAWINGS; REFER TO FINISH PLAN FOR FLOOR FINISH
CONTINUOUS VAPOR BARRIER
RIGID INSULATION (R-10 MIN) BELOW SLAB ON GRADE AND AT INTERIOR FACE OF FOUNDATION WALL, UP TO 2'-0" BELOW GRADE
COMPACTED CRUSHED STONE BELOW SLAB, TYP. REFER TO STRUCTURAL
COMPACTED FILL
SELF ADHERED DAMP PROOF MEMBRANE, SLOPE TO DRAIN, TYP
3" FRENCH DRAIN
T.O. SILL 1'-0"
FINISH FLOOR 0'-0"

EXTERIOR WALL SECTION 1 - VESTIBULE 3/4" = 1'-0" 6" 1'-0" 2'-0" 1

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CONSULTANTS:

SEAL/ SIGNATURE:

NO.	BY	DATE	DESCRIPTION
6		2021-08-09	FIELD NOTICE #3
3		2021-04-26	ISSUED FOR CONSTRUCTION
2		2021-03-31	ADDENDUM 2
		2021-01-11	PERMIT/BID SET
		2020-12-21	75% SET

SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

2051 NW LOWENSTEIN DRIVE
LEE'S SUMMIT, MISSOURI 64081
SHACK #1348

FIELD NOTICE #3

EXTERIOR WALL SECTIONS

DRAWN BY: CS & WQL
CHECKED BY: JS
JOB NO: 20068.00

A302

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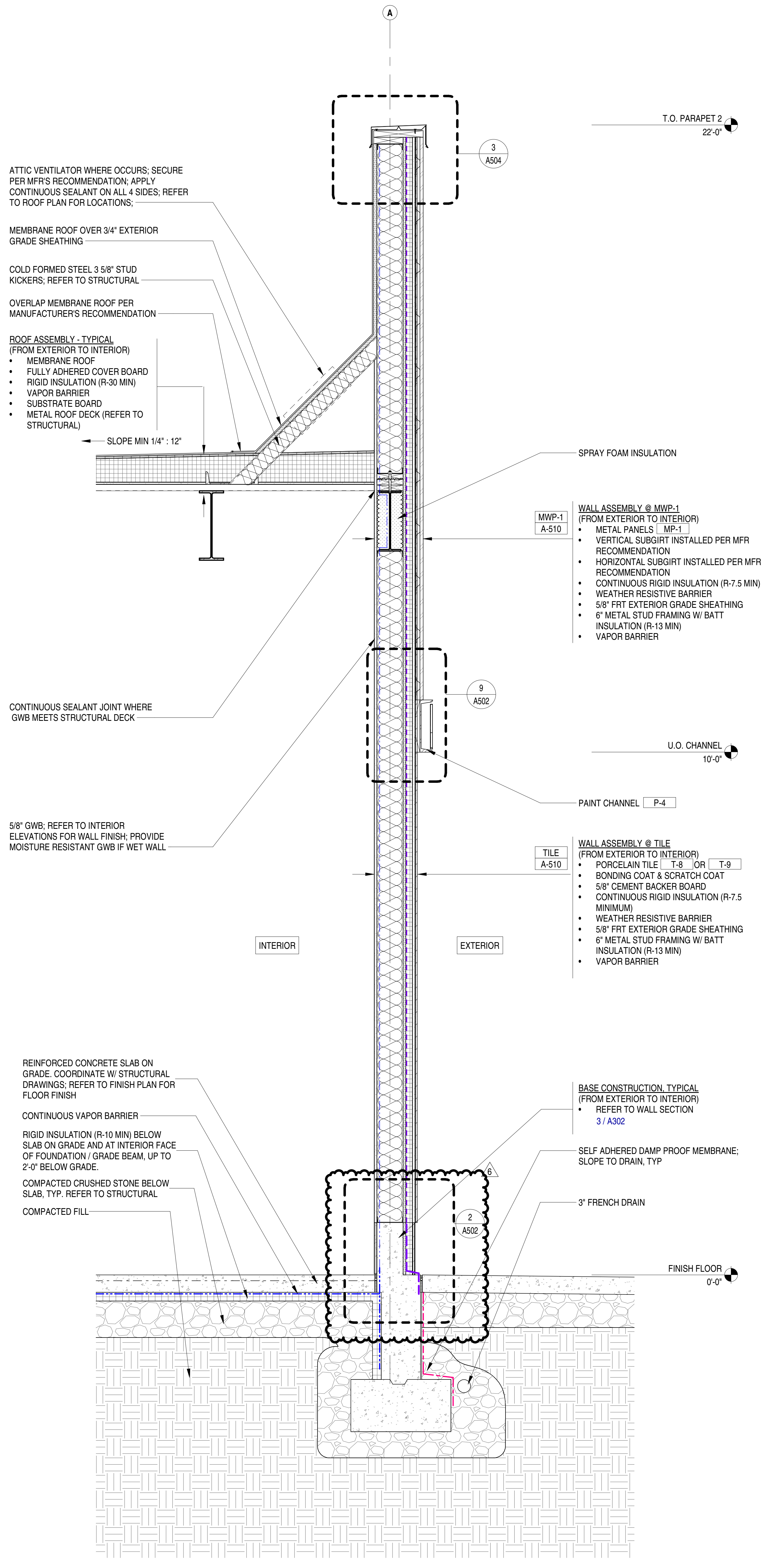
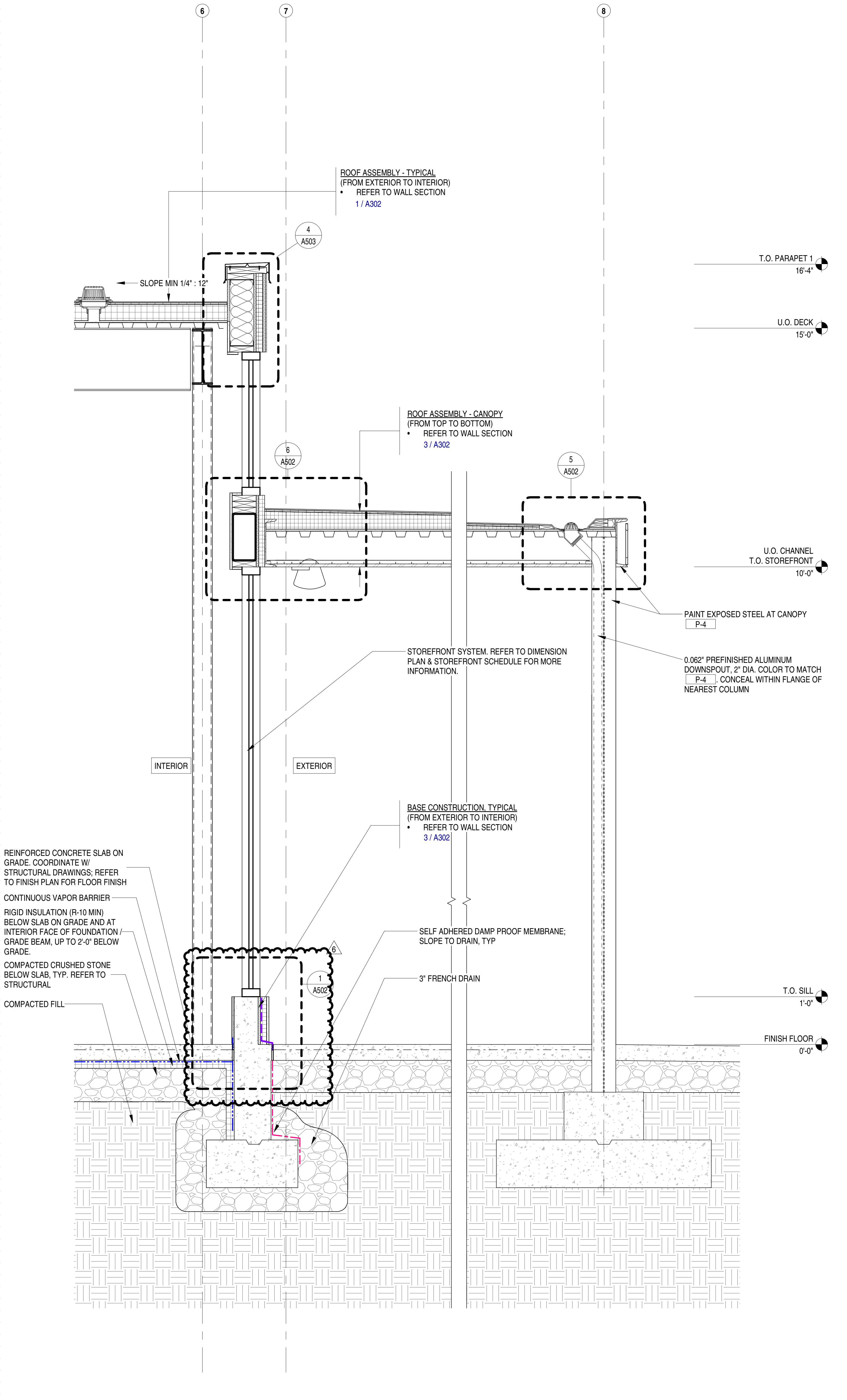
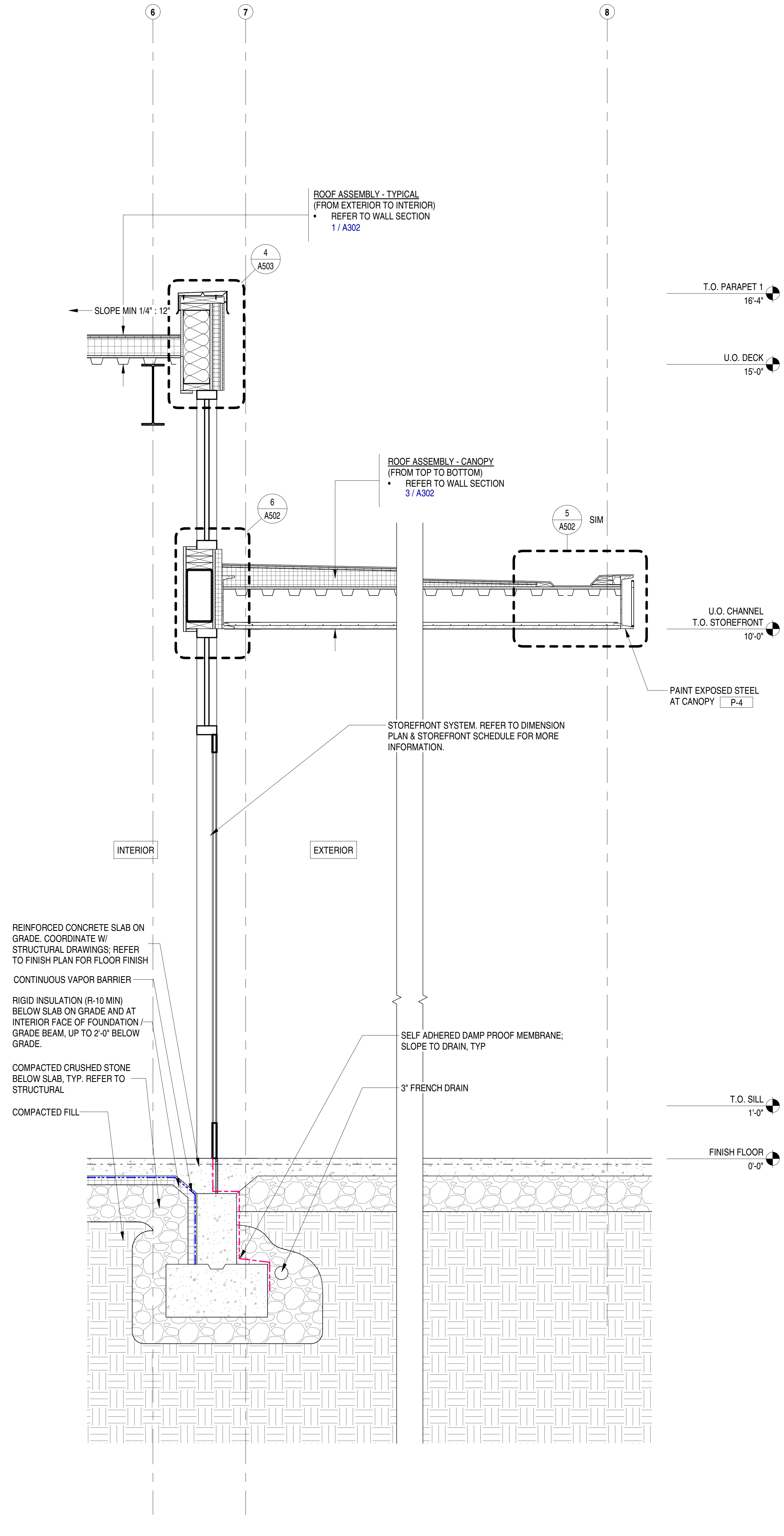

A
T.O. PARAPET 2
22'-0"
3
A504
ATTIC VENTILATOR WHERE OCCURS; SECURE PER MFR'S RECOMMENDATION; APPLY CONTINUOUS SEALANT ON ALL 4 SIDES; REFER TO ROOF PLAN FOR LOCATIONS;
MEMBRANE ROOF OVER 3/4" EXTERIOR GRADE SHEATHING
COLD FORMED STEEL 3 5/8" STUD KICKERS; REFER TO STRUCTURAL
OVERLAP MEMBRANE ROOF PER MANUFACTURER'S RECOMMENDATION
ROOF ASSEMBLY - TYPICAL
(FROM EXTERIOR TO INTERIOR)
• MEMBRANE ROOF
• FULLY ADHERED COVER BOARD
• RIGID INSULATION (R-30 MIN)
• VAPOR BARRIER
• SUBSTRATE BOARD
• METAL ROOF DECK (REFER TO STRUCTURAL)
SLOPE MIN 1/4" : 12"
SPRAY FOAM INSULATION
MWP-1
A-510
WALL ASSEMBLY @ MWP-1
(FROM EXTERIOR TO INTERIOR)
• METAL PANELS MP-1
• VERTICAL SUBGIRT INSTALLED PER MFR RECOMMENDATION
• HORIZONTAL SUBGIRT INSTALLED PER MFR RECOMMENDATION
• CONTINUOUS RIGID INSULATION (R-7.5 MIN)
• WEATHER RESISTIVE BARRIER
• 5/8" FRT EXTERIOR GRADE SHEATHING
• 6" METAL STUD FRAMING W/ BATT INSULATION (R-13 MIN)
• VAPOR BARRIER
9
A502
CONTINUOUS SEALANT JOINT WHERE GWB MEETS STRUCTURAL DECK
U.O. CHANNEL
10'-0"
PAINT CHANNEL P-4
5/8" GWB; REFER TO INTERIOR ELEVATIONS FOR WALL FINISH; PROVIDE MOISTURE RESISTANT GWB IF WET WALL
TILE
A-510
WALL ASSEMBLY @ TILE
(FROM EXTERIOR TO INTERIOR)
• PORCELAIN TILE T-8 OR T-9
• BONDING COAT & SCRATCH COAT
• 5/8" CEMENT BACKER BOARD
• CONTINUOUS RIGID INSULATION (R-7.5 MINIMUM)
• WEATHER RESISTIVE BARRIER
• 5/8" FRT EXTERIOR GRADE SHEATHING
• 6" METAL STUD FRAMING W/ BATT INSULATION (R-13 MIN)
• VAPOR BARRIER
INTERIOR
EXTERIOR
REINFORCED CONCRETE SLAB ON GRADE. COORDINATE W/ STRUCTURAL DRAWINGS; REFER TO FINISH PLAN FOR FLOOR FINISH
CONTINUOUS VAPOR BARRIER
RIGID INSULATION (R-10 MIN) BELOW SLAB ON GRADE AND AT INTERIOR FACE OF FOUNDATION / GRADE BEAM, UP TO 2'-0" BELOW GRADE.
COMPACTED CRUSHED STONE BELOW SLAB, TYP. REFER TO STRUCTURAL
COMPACTED FILL
BASE CONSTRUCTION, TYPICAL
(FROM EXTERIOR TO INTERIOR)
• REFER TO WALL SECTION
3 / A302
SELF ADHERED DAMP PROOF MEMBRANE; SLOPE TO DRAIN, TYP
6
3" FRENCH DRAIN
2
A502
FINISH FLOOR
0'-0"

EXTERIOR WALL SECTION 6 - THIN BRICK	3/4" = 1'-0" 6" 1'-0" 2'-0"	3


6
7
8
ROOF ASSEMBLY - TYPICAL
(FROM EXTERIOR TO INTERIOR)
• REFER TO WALL SECTION
1 / A302
4
A503
SLOPE MIN 1/4" : 12"
T.O. PARAPET 1
16'-4"
U.O. DECK
15'-0"
ROOF ASSEMBLY - CANOPY
(FROM TOP TO BOTTOM)
• REFER TO WALL SECTION
3 / A302
6
A502
5
A502
U.O. CHANNEL
T.O. STOREFRONT
10'-0"
PAINT EXPOSED STEEL AT CANOPY
P-4
STOREFRONT SYSTEM. REFER TO DIMENSION PLAN & STOREFRONT SCHEDULE FOR MORE INFORMATION.
0.062" PREFINISHED ALUMINUM DOWNSPOUT, 2" DIA. COLOR TO MATCH P-4. CONCEAL WITHIN FLANGE OF NEAREST COLUMN
INTERIOR
EXTERIOR
BASE CONSTRUCTION, TYPICAL
(FROM EXTERIOR TO INTERIOR)
• REFER TO WALL SECTION
3 / A302
REINFORCED CONCRETE SLAB ON GRADE. COORDINATE W/ STRUCTURAL DRAWINGS; REFER TO FINISH PLAN FOR FLOOR FINISH
CONTINUOUS VAPOR BARRIER
RIGID INSULATION (R-10 MIN) BELOW SLAB ON GRADE AND AT INTERIOR FACE OF FOUNDATION / GRADE BEAM, UP TO 2'-0" BELOW GRADE.
COMPACTED CRUSHED STONE BELOW SLAB, TYP. REFER TO STRUCTURAL
COMPACTED FILL
SELF ADHERED DAMP PROOF MEMBRANE; SLOPE TO DRAIN, TYP
3" FRENCH DRAIN
6
1
A502
T.O. SILL
1'-0"
FINISH FLOOR
0'-0"

EXTERIOR WALL SECTION 5 - STOREFRONT WALL AT PATIO	3/4" = 1'-0" 6" 1'-0" 2'-0"	2


6
7
8
ROOF ASSEMBLY - TYPICAL
(FROM EXTERIOR TO INTERIOR)
• REFER TO WALL SECTION
1 / A302
4
A503
SLOPE MIN 1/4" : 12"
T.O. PARAPET 1
16'-4"
U.O. DECK
15'-0"
ROOF ASSEMBLY - CANOPY
(FROM TOP TO BOTTOM)
• REFER TO WALL SECTION
3 / A302
6
A502
5
A502
SIM
U.O. CHANNEL
T.O. STOREFRONT
10'-0"
PAINT EXPOSED STEEL AT CANOPY P-4
STOREFRONT SYSTEM. REFER TO DIMENSION PLAN & STOREFRONT SCHEDULE FOR MORE INFORMATION.
INTERIOR
EXTERIOR
REINFORCED CONCRETE SLAB ON GRADE. COORDINATE W/ STRUCTURAL DRAWINGS; REFER TO FINISH PLAN FOR FLOOR FINISH
CONTINUOUS VAPOR BARRIER
RIGID INSULATION (R-10 MIN) BELOW SLAB ON GRADE AND AT INTERIOR FACE OF FOUNDATION / GRADE BEAM, UP TO 2'-0" BELOW GRADE.
COMPACTED CRUSHED STONE BELOW SLAB, TYP. REFER TO STRUCTURAL
COMPACTED FILL
SELF ADHERED DAMP PROOF MEMBRANE; SLOPE TO DRAIN, TYP
3" FRENCH DRAIN
T.O. SILL
1'-0"
FINISH FLOOR
0'-0"

EXTERIOR WALL SECTION 4 - STOREFRONT WALL AT DOOR	3/4" = 1'-0" 6" 1'-0" 2'-0"	1

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6		2021-08-09	FIELD NOTICE #3
3		2021-04-26	ISSUED FOR CONSTRUCTION
2		2021-03-31	ADDENDUM 2
		2021-01-11	PERMIT/BID SET
		2020-12-21	75% SET

SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

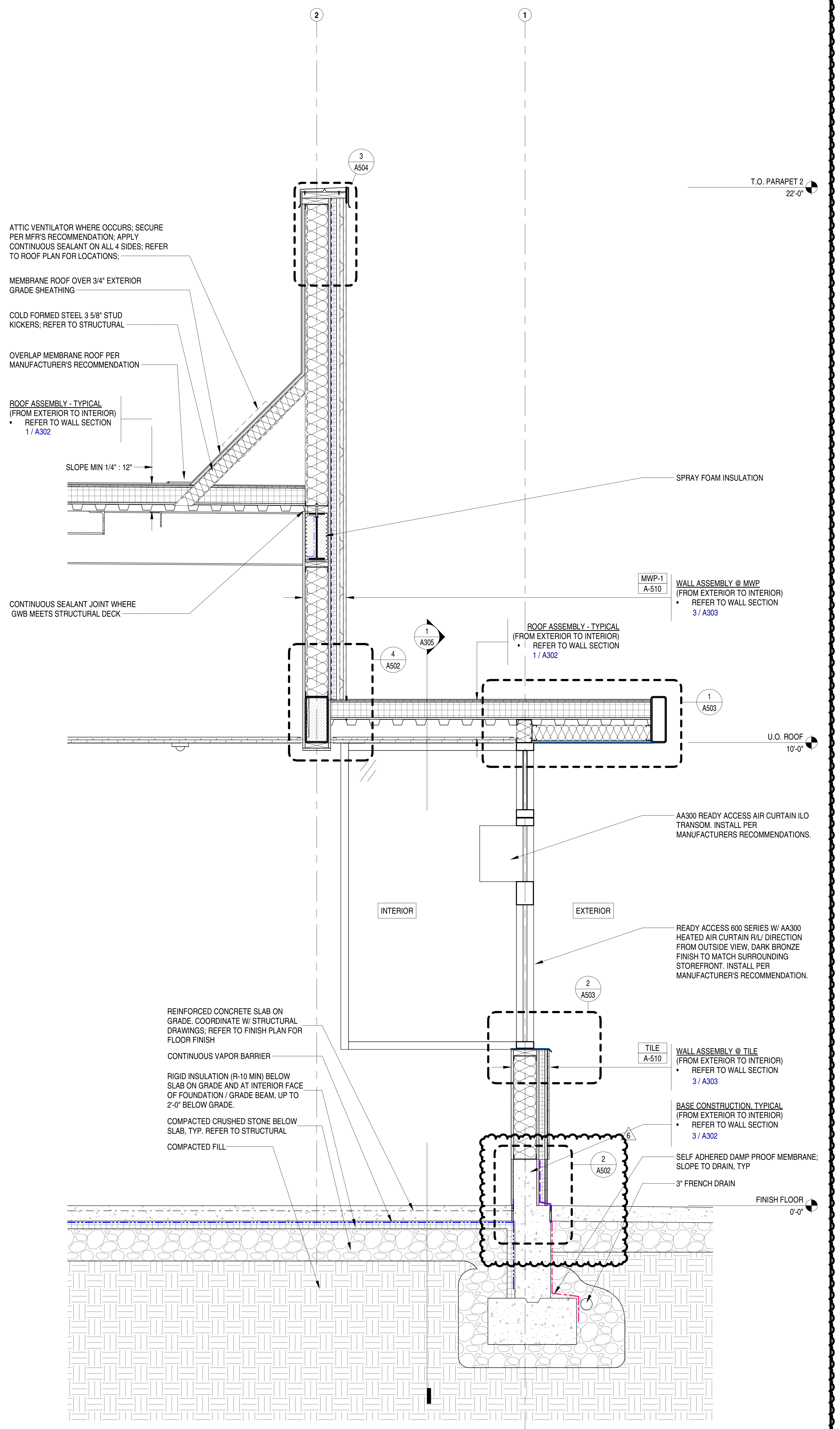
2051 NW LOWENSTEIN DRIVE
LEE'S SUMMIT, MISSOURI 64081
SHACK #1348

FIELD NOTICE #3

EXTERIOR WALL SECTIONS

DRAWN BY:	CS & WQL
CHECKED BY:	JS
JOB NO:	20068.00

A303

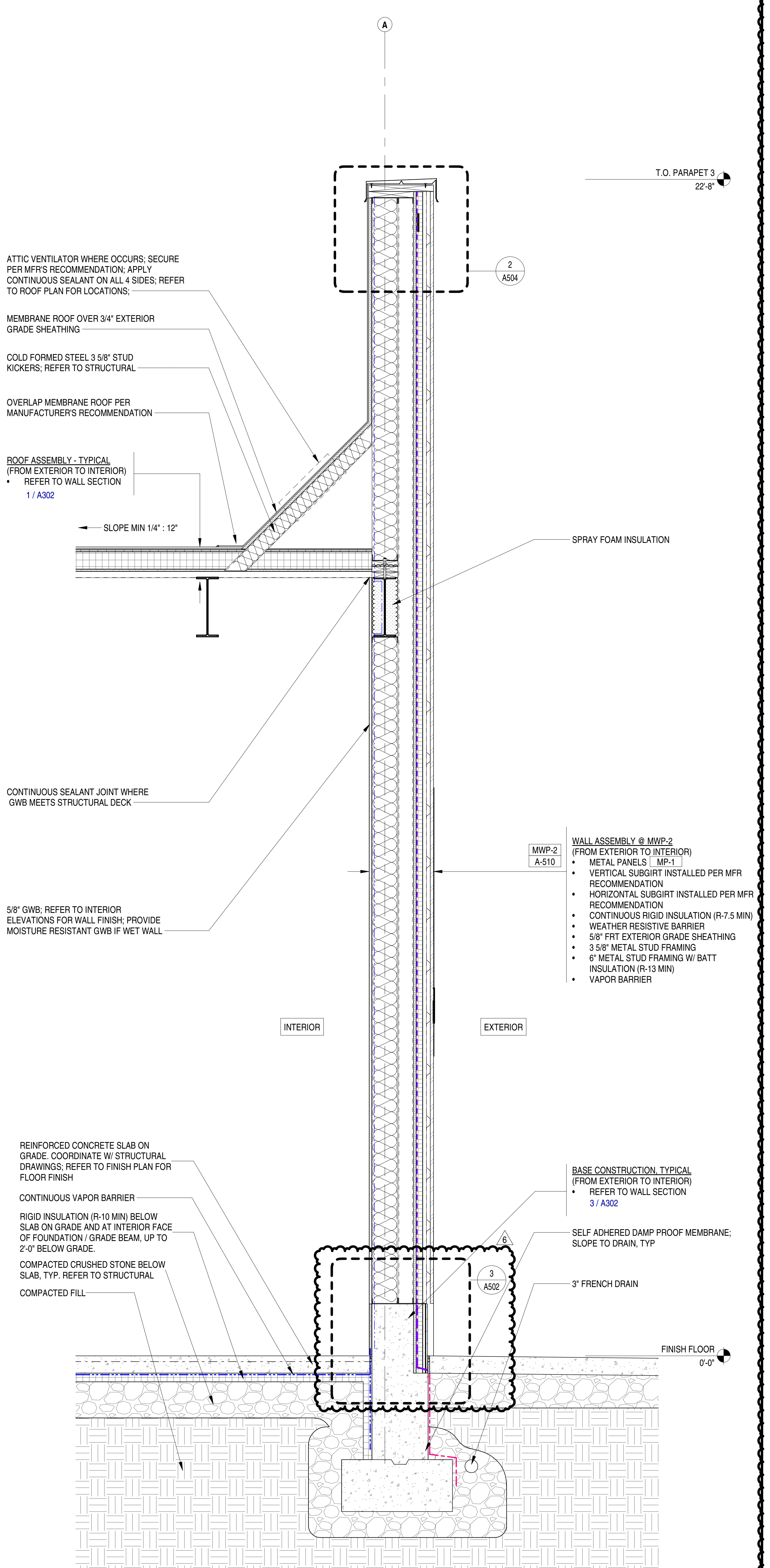

2
1
3
A504
T.O. PARAPET 2
22'-0"
ATTIC VENTILATOR WHERE OCCURS; SECURE PER MFR'S RECOMMENDATION; APPLY CONTINUOUS SEALANT ON ALL 4 SIDES; REFER TO ROOF PLAN FOR LOCATIONS;
MEMBRANE ROOF OVER 3/4" EXTERIOR GRADE SHEATHING
COLD FORMED STEEL 3 5/8" STUD KICKERS; REFER TO STRUCTURAL
OVERLAP MEMBRANE ROOF PER MANUFACTURER'S RECOMMENDATION
ROOF ASSEMBLY - TYPICAL (FROM EXTERIOR TO INTERIOR) • REFER TO WALL SECTION 1 / A302
SLOPE MIN 1/4" : 12"
SPRAY FOAM INSULATION
MWP-1
A-510
WALL ASSEMBLY @ MWP (FROM EXTERIOR TO INTERIOR) • REFER TO WALL SECTION 3 / A303
CONTINUOUS SEALANT JOINT WHERE GWB MEETS STRUCTURAL DECK
1
A305
4
A502
ROOF ASSEMBLY - TYPICAL (FROM EXTERIOR TO INTERIOR) • REFER TO WALL SECTION 1 / A302
1
A503
U.O. ROOF
10'-0"
AA300 READY ACCESS AIR CURTAIN ILO TRANSOM. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
INTERIOR
EXTERIOR
READY ACCESS 600 SERIES W/ AA300 HEATED AIR CURTAIN R/L/ DIRECTION FROM OUTSIDE VIEW, DARK BRONZE FINISH TO MATCH SURROUNDING STOREFRONT. INSTALL PER MANUFACTURER'S RECOMMENDATION.
2
A503
REINFORCED CONCRETE SLAB ON GRADE. COORDINATE W/ STRUCTURAL DRAWINGS; REFER TO FINISH PLAN FOR FLOOR FINISH
CONTINUOUS VAPOR BARRIER
RIGID INSULATION (R-10 MIN) BELOW SLAB ON GRADE AND AT INTERIOR FACE OF FOUNDATION / GRADE BEAM, UP TO 2'-0" BELOW GRADE.
COMPACTED CRUSHED STONE BELOW SLAB, TYP. REFER TO STRUCTURAL
COMPACTED FILL
TILE
A-510
WALL ASSEMBLY @ TILE (FROM EXTERIOR TO INTERIOR) • REFER TO WALL SECTION 3 / A303
BASE CONSTRUCTION, TYPICAL (FROM EXTERIOR TO INTERIOR) • REFER TO WALL SECTION 3 / A302
6
2
A502
SELF ADHERED DAMP PROOF MEMBRANE; SLOPE TO DRAIN, TYP
3" FRENCH DRAIN
FINISH FLOOR
0'-0"

EXTERIOR WALL SECTION 8 - DRIVE THRU WINDOW

3/4" = 1'-0"

0" 1'-0" 2'-0"

3

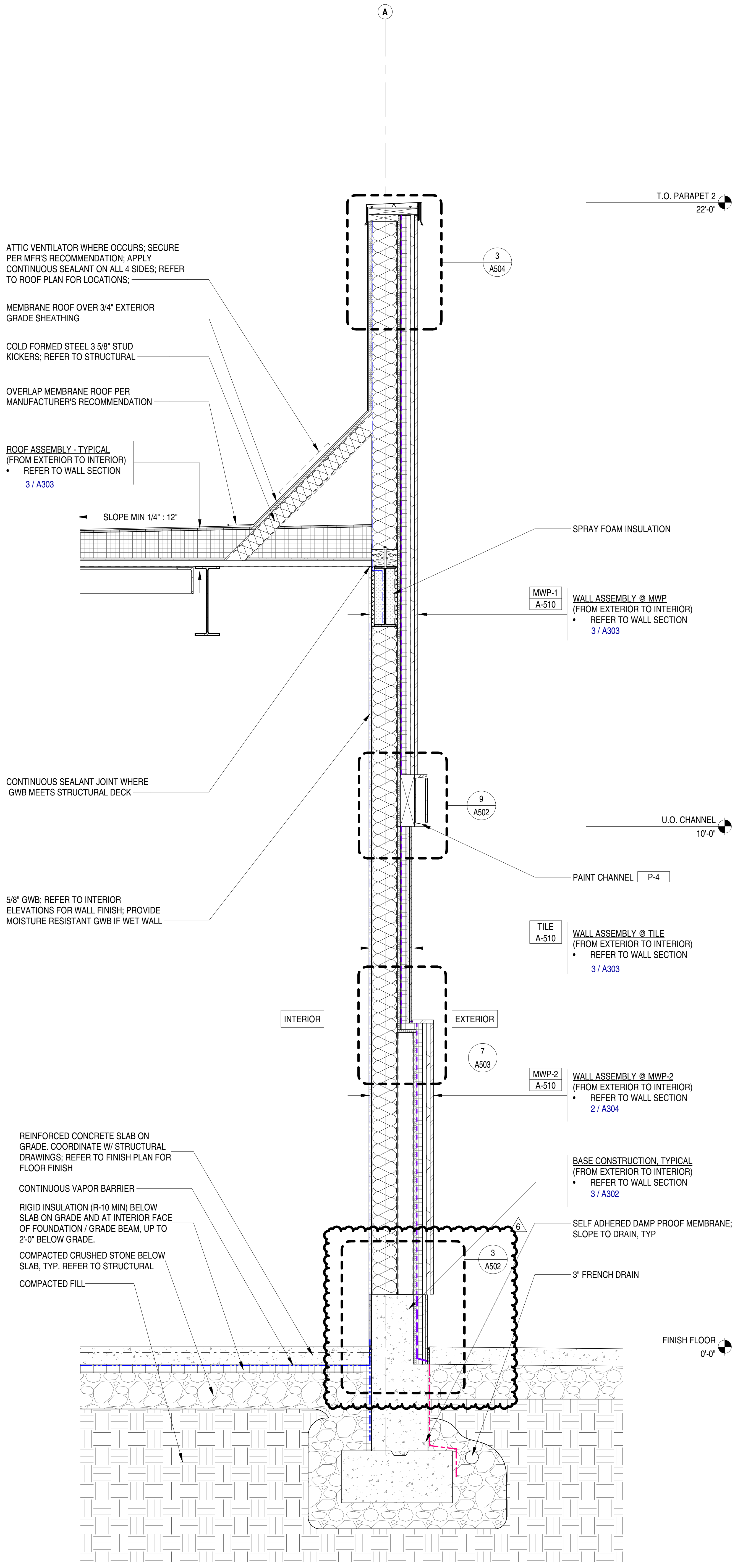

A
T.O. PARAPET 3
22'-8"
2
A504
ATTIC VENTILATOR WHERE OCCURS; SECURE PER MFR'S RECOMMENDATION; APPLY CONTINUOUS SEALANT ON ALL 4 SIDES; REFER TO ROOF PLAN FOR LOCATIONS;
MEMBRANE ROOF OVER 3/4" EXTERIOR GRADE SHEATHING
COLD FORMED STEEL 3 5/8" STUD KICKERS; REFER TO STRUCTURAL
OVERLAP MEMBRANE ROOF PER MANUFACTURER'S RECOMMENDATION
ROOF ASSEMBLY - TYPICAL (FROM EXTERIOR TO INTERIOR) • REFER TO WALL SECTION 1 / A302
SLOPE MIN 1/4" : 12"
SPRAY FOAM INSULATION
CONTINUOUS SEALANT JOINT WHERE GWB MEETS STRUCTURAL DECK
MWP-2
A-510
WALL ASSEMBLY @ MWP-2 (FROM EXTERIOR TO INTERIOR)
• METAL PANELS MP-1
• VERTICAL SUBGIRT INSTALLED PER MFR RECOMMENDATION
• HORIZONTAL SUBGIRT INSTALLED PER MFR RECOMMENDATION
• CONTINUOUS RIGID INSULATION (R-7.5 MIN)
• WEATHER RESISTIVE BARRIER
• 5/8" FRT EXTERIOR GRADE SHEATHING
• 3 5/8" METAL STUD FRAMING
• 6" METAL STUD FRAMING W/ BATT INSULATION (R-13 MIN)
• VAPOR BARRIER
5/8" GWB; REFER TO INTERIOR ELEVATIONS FOR WALL FINISH; PROVIDE MOISTURE RESISTANT GWB IF WET WALL
INTERIOR
EXTERIOR
REINFORCED CONCRETE SLAB ON GRADE. COORDINATE W/ STRUCTURAL DRAWINGS; REFER TO FINISH PLAN FOR FLOOR FINISH
CONTINUOUS VAPOR BARRIER
RIGID INSULATION (R-10 MIN) BELOW SLAB ON GRADE AND AT INTERIOR FACE OF FOUNDATION / GRADE BEAM, UP TO 2'-0" BELOW GRADE.
COMPACTED CRUSHED STONE BELOW SLAB, TYP. REFER TO STRUCTURAL
COMPACTED FILL
BASE CONSTRUCTION, TYPICAL (FROM EXTERIOR TO INTERIOR) • REFER TO WALL SECTION 3 / A302
6
3
A502
SELF ADHERED DAMP PROOF MEMBRANE; SLOPE TO DRAIN, TYP
3" FRENCH DRAIN
FINISH FLOOR
0'-0"

EXTERIOR WALL SECTION 7 - METAL PANEL HIGH WALL

3/4" = 1'-0"

0" 1'-0" 2'-0"

2


A
T.O. PARAPET 2
22'-0"
3
A504
ATTIC VENTILATOR WHERE OCCURS; SECURE PER MFR'S RECOMMENDATION; APPLY CONTINUOUS SEALANT ON ALL 4 SIDES; REFER TO ROOF PLAN FOR LOCATIONS;
MEMBRANE ROOF OVER 3/4" EXTERIOR GRADE SHEATHING
COLD FORMED STEEL 3 5/8" STUD KICKERS; REFER TO STRUCTURAL
OVERLAP MEMBRANE ROOF PER MANUFACTURER'S RECOMMENDATION
ROOF ASSEMBLY - TYPICAL (FROM EXTERIOR TO INTERIOR) • REFER TO WALL SECTION 3 / A303
SLOPE MIN 1/4" : 12"
SPRAY FOAM INSULATION
MWP-1
A-510
WALL ASSEMBLY @ MWP (FROM EXTERIOR TO INTERIOR) • REFER TO WALL SECTION 3 / A303
CONTINUOUS SEALANT JOINT WHERE GWB MEETS STRUCTURAL DECK
9
A502
U.O. CHANNEL
10'-0"
PAINT CHANNEL P-4
5/8" GWB; REFER TO INTERIOR ELEVATIONS FOR WALL FINISH; PROVIDE MOISTURE RESISTANT GWB IF WET WALL
TILE
A-510
WALL ASSEMBLY @ TILE (FROM EXTERIOR TO INTERIOR) • REFER TO WALL SECTION 3 / A303
INTERIOR
EXTERIOR
7
A503
MWP-2
A-510
WALL ASSEMBLY @ MWP-2 (FROM EXTERIOR TO INTERIOR) • REFER TO WALL SECTION 2 / A304
REINFORCED CONCRETE SLAB ON GRADE. COORDINATE W/ STRUCTURAL DRAWINGS; REFER TO FINISH PLAN FOR FLOOR FINISH
CONTINUOUS VAPOR BARRIER
RIGID INSULATION (R-10 MIN) BELOW SLAB ON GRADE AND AT INTERIOR FACE OF FOUNDATION / GRADE BEAM, UP TO 2'-0" BELOW GRADE.
COMPACTED CRUSHED STONE BELOW SLAB, TYP. REFER TO STRUCTURAL
COMPACTED FILL
BASE CONSTRUCTION, TYPICAL (FROM EXTERIOR TO INTERIOR) • REFER TO WALL SECTION 3 / A302
6
3
A502
SELF ADHERED DAMP PROOF MEMBRANE; SLOPE TO DRAIN, TYP
3" FRENCH DRAIN
FINISH FLOOR
0'-0"

EXTERIOR WALL SECTION - ANGLED MWP

3/4" = 1'-0"

0" 1'-0" 2'-0"

1

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		2021-01-11	PERMIT/BID SET

SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

2051 NW LOWENSTEIN DRIVE
LEE'S SUMMIT, MISSOURI 64081
SHACK #1348

FIELD NOTICE #3

EXTERIOR WALL SECTIONS

DRAWN BY: CS & WQL
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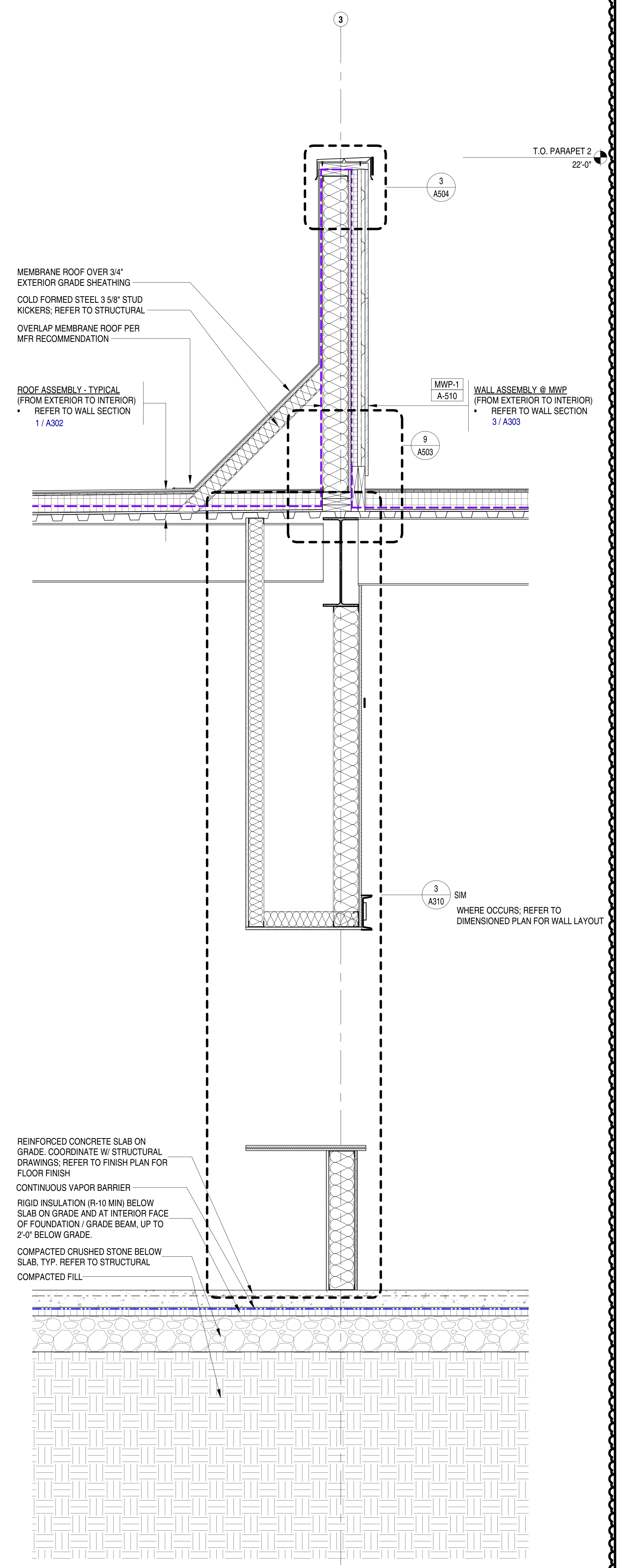
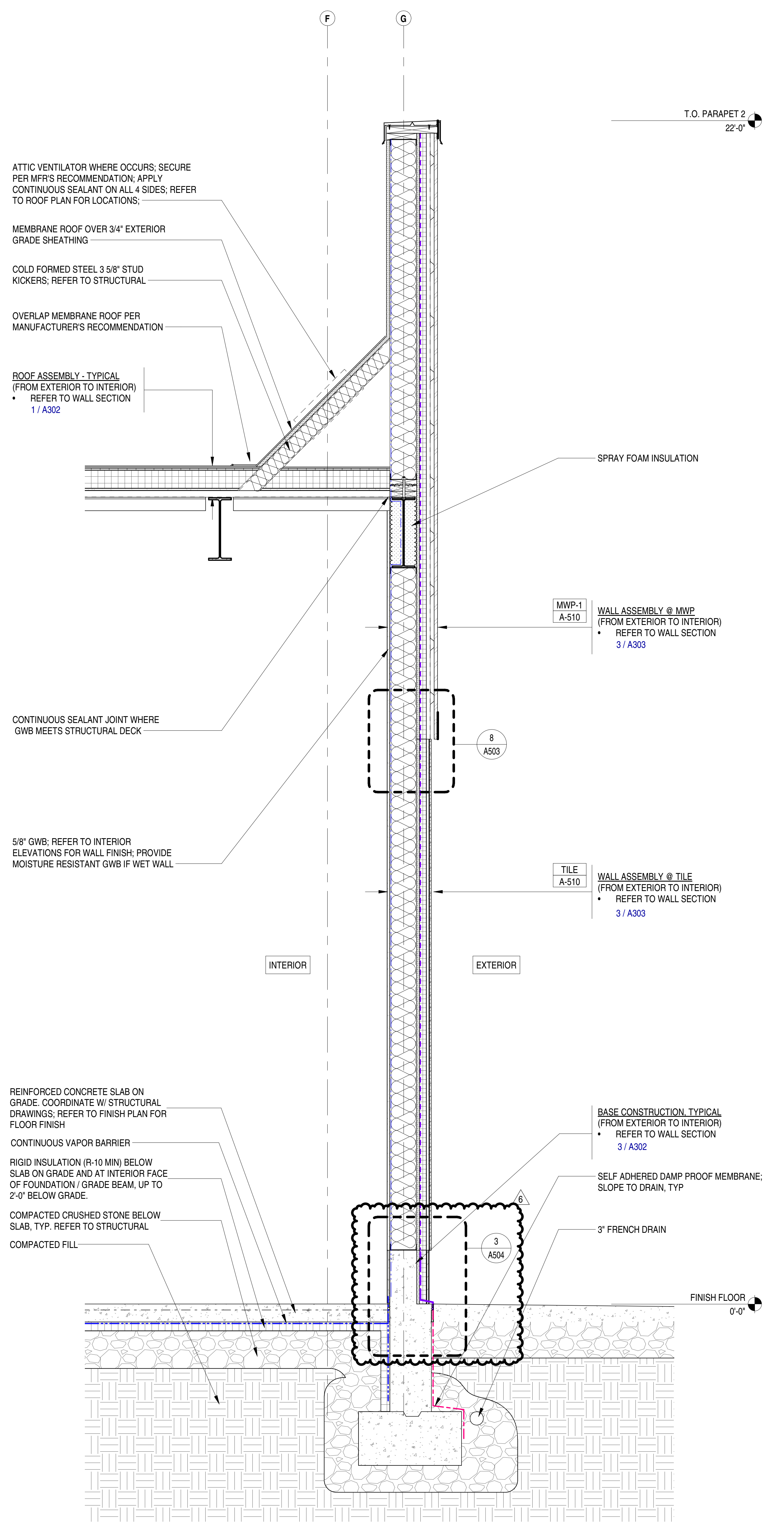
JOB NO: 20068.00

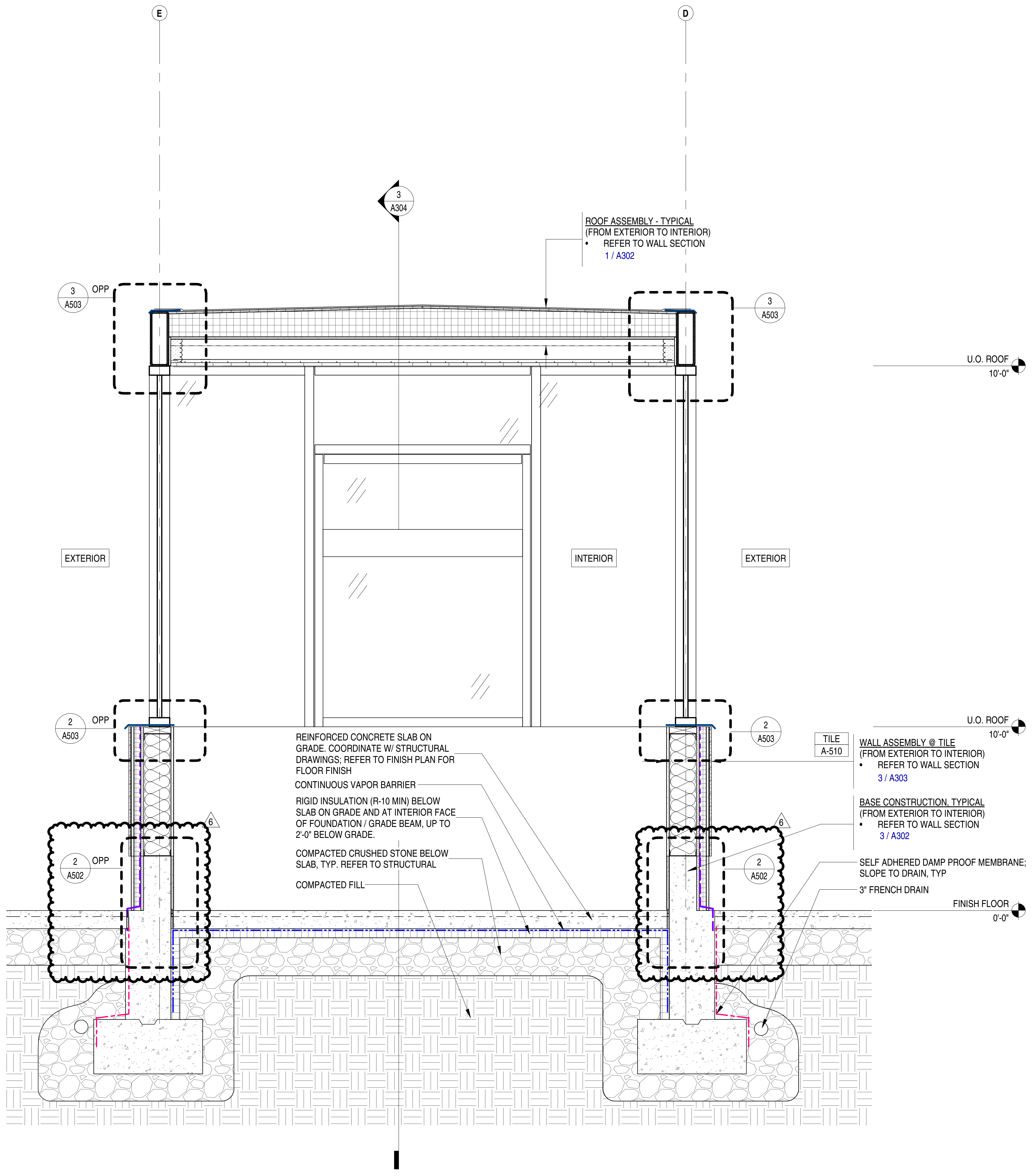
A304


3
T.O. PARAPET 2
22'-0"
3
A504
MEMBRANE ROOF OVER 3/4" EXTERIOR GRADE SHEATHING
COLD FORMED STEEL 3 5/8" STUD KICKERS; REFER TO STRUCTURAL
OVERLAP MEMBRANE ROOF PER MFR RECOMMENDATION
ROOF ASSEMBLY - TYPICAL (FROM EXTERIOR TO INTERIOR)
• REFER TO WALL SECTION
1 / A302
MWP-1
A-510
WALL ASSEMBLY @ MWP (FROM EXTERIOR TO INTERIOR)
• REFER TO WALL SECTION
3 / A303
9
A503
3
A310
SIM
WHERE OCCURS; REFER TO DIMENSIONED PLAN FOR WALL LAYOUT
REINFORCED CONCRETE SLAB ON GRADE. COORDINATE W/ STRUCTURAL DRAWINGS; REFER TO FINISH PLAN FOR FLOOR FINISH
CONTINUOUS VAPOR BARRIER
RIGID INSULATION (R-10 MIN) BELOW SLAB ON GRADE AND AT INTERIOR FACE OF FOUNDATION / GRADE BEAM, UP TO 2'-0" BELOW GRADE.
COMPACTED CRUSHED STONE BELOW SLAB, TYP. REFER TO STRUCTURAL
COMPACTED FILL

EXTERIOR WALL SECTION - INNER PARAPET 3/4" = 1'-0" 3


F
G
T.O. PARAPET 2
22'-0"
ATTIC VENTILATOR WHERE OCCURS; SECURE PER MFR'S RECOMMENDATION; APPLY CONTINUOUS SEALANT ON ALL 4 SIDES; REFER TO ROOF PLAN FOR LOCATIONS;
MEMBRANE ROOF OVER 3/4" EXTERIOR GRADE SHEATHING
COLD FORMED STEEL 3 5/8" STUD KICKERS; REFER TO STRUCTURAL
OVERLAP MEMBRANE ROOF PER MANUFACTURER'S RECOMMENDATION
ROOF ASSEMBLY - TYPICAL (FROM EXTERIOR TO INTERIOR)
• REFER TO WALL SECTION
1 / A302
SPRAY FOAM INSULATION
MWP-1
A-510
WALL ASSEMBLY @ MWP (FROM EXTERIOR TO INTERIOR)
• REFER TO WALL SECTION
3 / A303
CONTINUOUS SEALANT JOINT WHERE GWB MEETS STRUCTURAL DECK
8
A503
5/8" GWB; REFER TO INTERIOR ELEVATIONS FOR WALL FINISH; PROVIDE MOISTURE RESISTANT GWB IF WET WALL
TILE
A-510
WALL ASSEMBLY @ TILE (FROM EXTERIOR TO INTERIOR)
• REFER TO WALL SECTION
3 / A303
INTERIOR
EXTERIOR
REINFORCED CONCRETE SLAB ON GRADE. COORDINATE W/ STRUCTURAL DRAWINGS; REFER TO FINISH PLAN FOR FLOOR FINISH
CONTINUOUS VAPOR BARRIER
RIGID INSULATION (R-10 MIN) BELOW SLAB ON GRADE AND AT INTERIOR FACE OF FOUNDATION / GRADE BEAM, UP TO 2'-0" BELOW GRADE.
COMPACTED CRUSHED STONE BELOW SLAB, TYP. REFER TO STRUCTURAL
COMPACTED FILL
BASE CONSTRUCTION, TYPICAL (FROM EXTERIOR TO INTERIOR)
• REFER TO WALL SECTION
3 / A302
SELF ADHERED DAMP PROOF MEMBRANE; SLOPE TO DRAIN, TYP
6
3
A504
3" FRENCH DRAIN
FINISH FLOOR
0'-0"

EXTERIOR WALL SECTION - METAL PANEL/BRICK W BREAK 3/4" = 1'-0" 2


E
D
3
A304
ROOF ASSEMBLY - TYPICAL (FROM EXTERIOR TO INTERIOR)
• REFER TO WALL SECTION
1 / A302
3
A503
OPP
3
A503
U.O. ROOF
10'-0"
EXTERIOR
INTERIOR
EXTERIOR
2
A503
OPP
2
A503
U.O. ROOF
10'-0"
TILE
A-510
WALL ASSEMBLY @ TILE (FROM EXTERIOR TO INTERIOR)
• REFER TO WALL SECTION
3 / A303
REINFORCED CONCRETE SLAB ON GRADE. COORDINATE W/ STRUCTURAL DRAWINGS; REFER TO FINISH PLAN FOR FLOOR FINISH
CONTINUOUS VAPOR BARRIER
RIGID INSULATION (R-10 MIN) BELOW SLAB ON GRADE AND AT INTERIOR FACE OF FOUNDATION / GRADE BEAM, UP TO 2'-0" BELOW GRADE.
COMPACTED CRUSHED STONE BELOW SLAB, TYP. REFER TO STRUCTURAL
COMPACTED FILL
BASE CONSTRUCTION, TYPICAL (FROM EXTERIOR TO INTERIOR)
• REFER TO WALL SECTION
3 / A302
6
6
2
A502
2
A502
SELF ADHERED DAMP PROOF MEMBRANE; SLOPE TO DRAIN, TYP
3" FRENCH DRAIN
FINISH FLOOR
0'-0"

EXTERIOR WALL SECTION 9 -DRIVE THRU STOREFRONT 3/4" = 1'-0" 1

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SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

2051 NW LOWENSTEIN DRIVE
LEE'S SUMMIT, MISSOURI 64081
SHACK #1348

FIELD NOTICE #3

EXTERIOR WALL SECTIONS

DRAWN BY: CS & WOL
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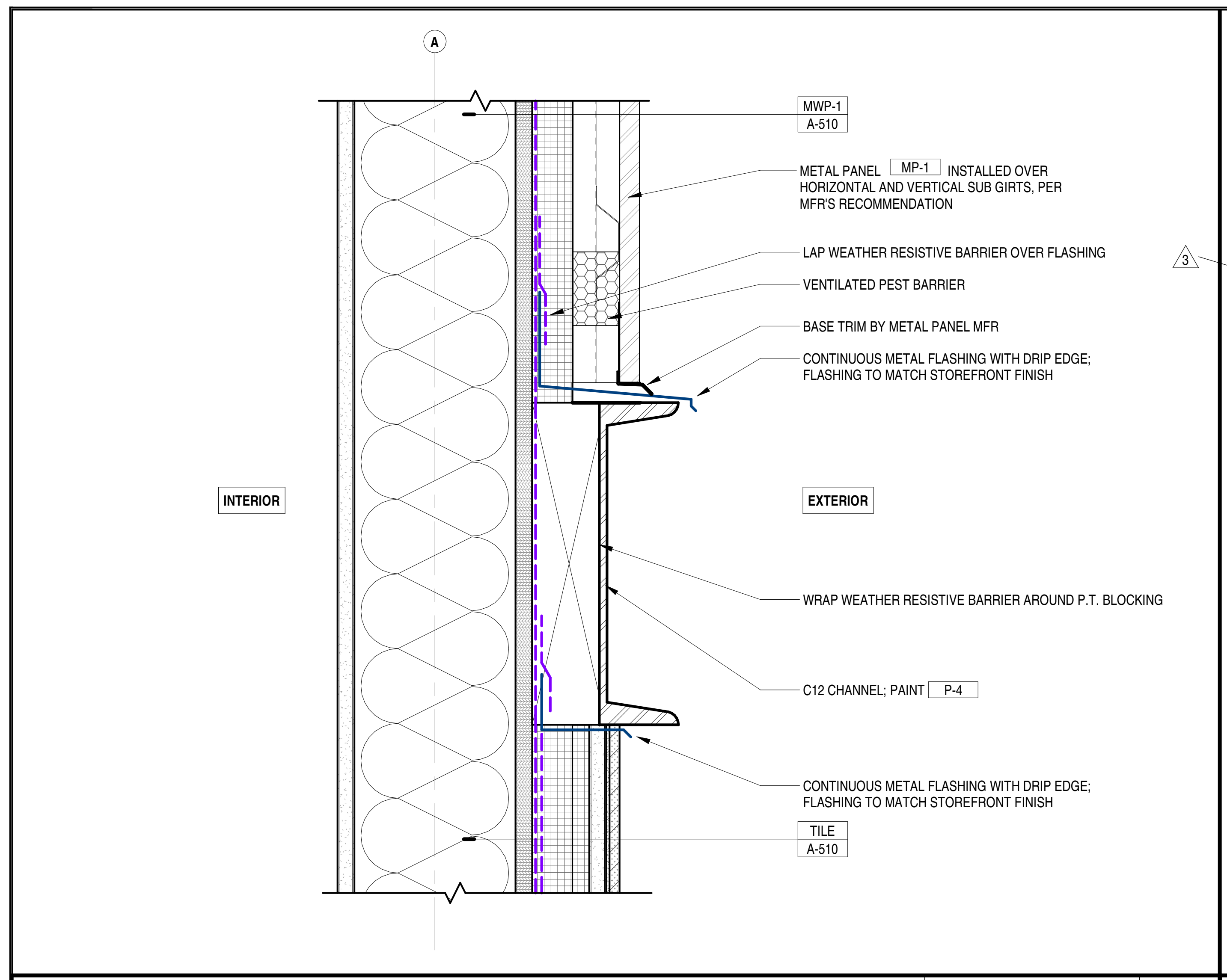
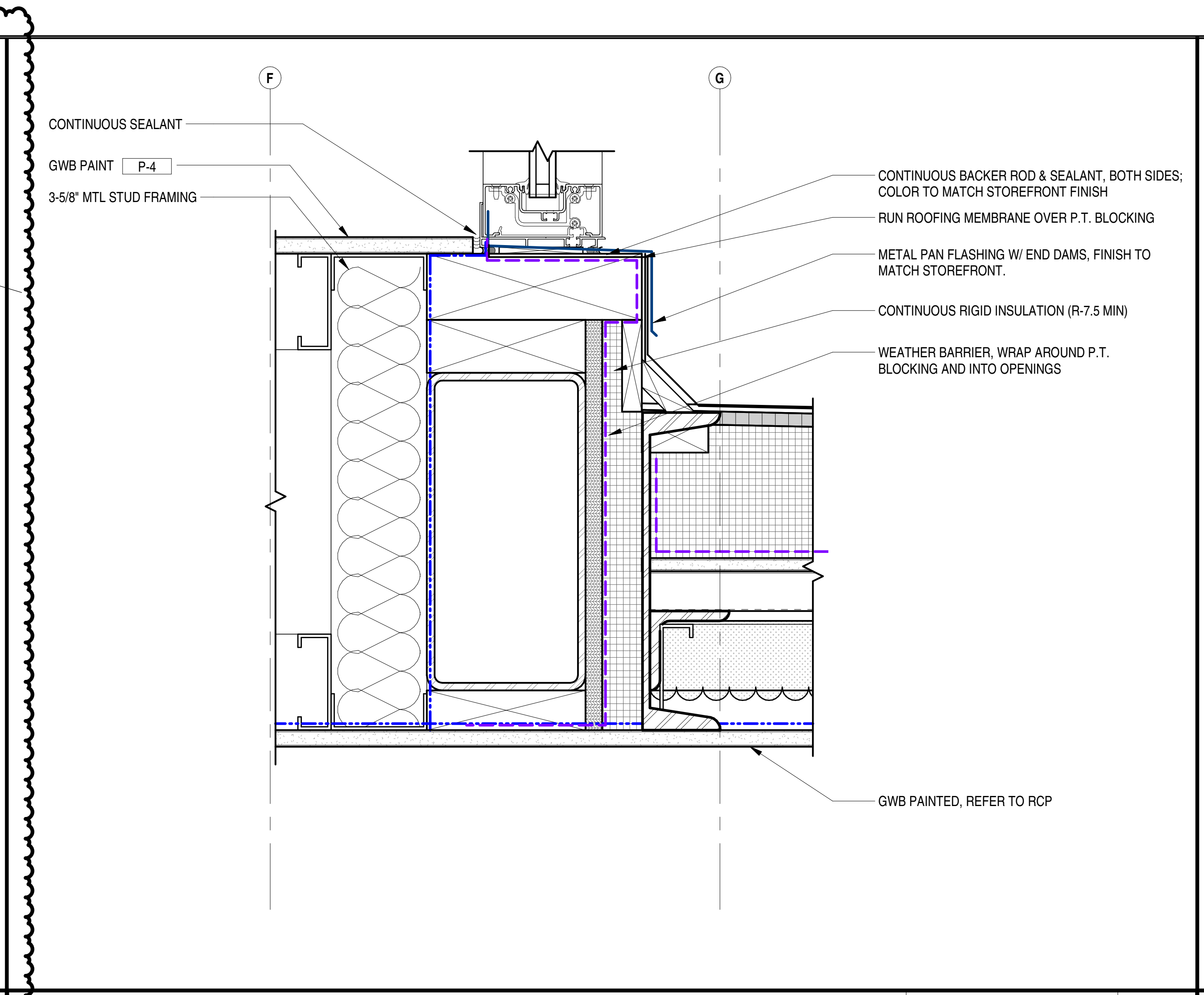
A305


A
MWP-1
A-510
METAL PANEL MP-1 INSTALLED OVER HORIZONTAL AND VERTICAL SUB GIRTS, PER MFR'S RECOMMENDATION
LAP WEATHER RESISTIVE BARRIER OVER FLASHING
VENTILATED PEST BARRIER
BASE TRIM BY METAL PANEL MFR
CONTINUOUS METAL FLASHING WITH DRIP EDGE; FLASHING TO MATCH STOREFRONT FINISH
INTERIOR
EXTERIOR
WRAP WEATHER RESISTIVE BARRIER AROUND P.T. BLOCKING
C12 CHANNEL; PAINT P-4
CONTINUOUS METAL FLASHING WITH DRIP EDGE; FLASHING TO MATCH STOREFRONT FINISH
TILE
A-510
3

SECTION DETAIL - CHANNEL AT WALL

3" = 1'-0" 2" 4" 8"

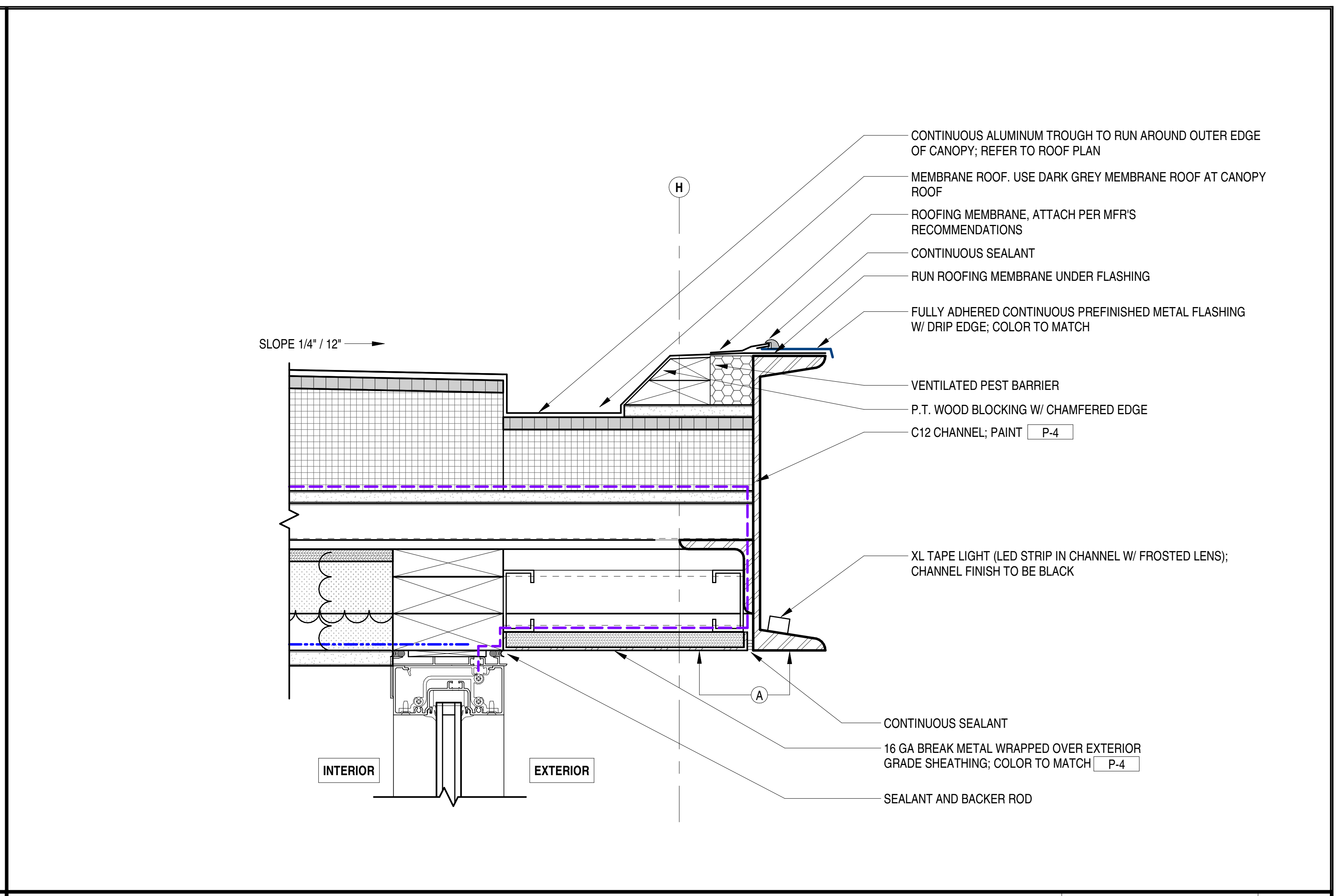
9


F
G
CONTINUOUS SEALANT
GWB PAINT P-4
3-5/8" MTL STUD FRAMING
CONTINUOUS BACKER ROD & SEALANT, BOTH SIDES; COLOR TO MATCH STOREFRONT FINISH
RUN ROOFING MEMBRANE OVER P.T. BLOCKING
METAL PAN FLASHING W/ END DAMS, FINISH TO MATCH STOREFRONT.
CONTINUOUS RIGID INSULATION (R-7.5 MIN)
WEATHER BARRIER, WRAP AROUND P.T. BLOCKING AND INTO OPENINGS
GWB PAINTED, REFER TO RCP

SECTION DETAIL - HEADER @ VESTIBULE

3" = 1'-0" 2" 4" 8"

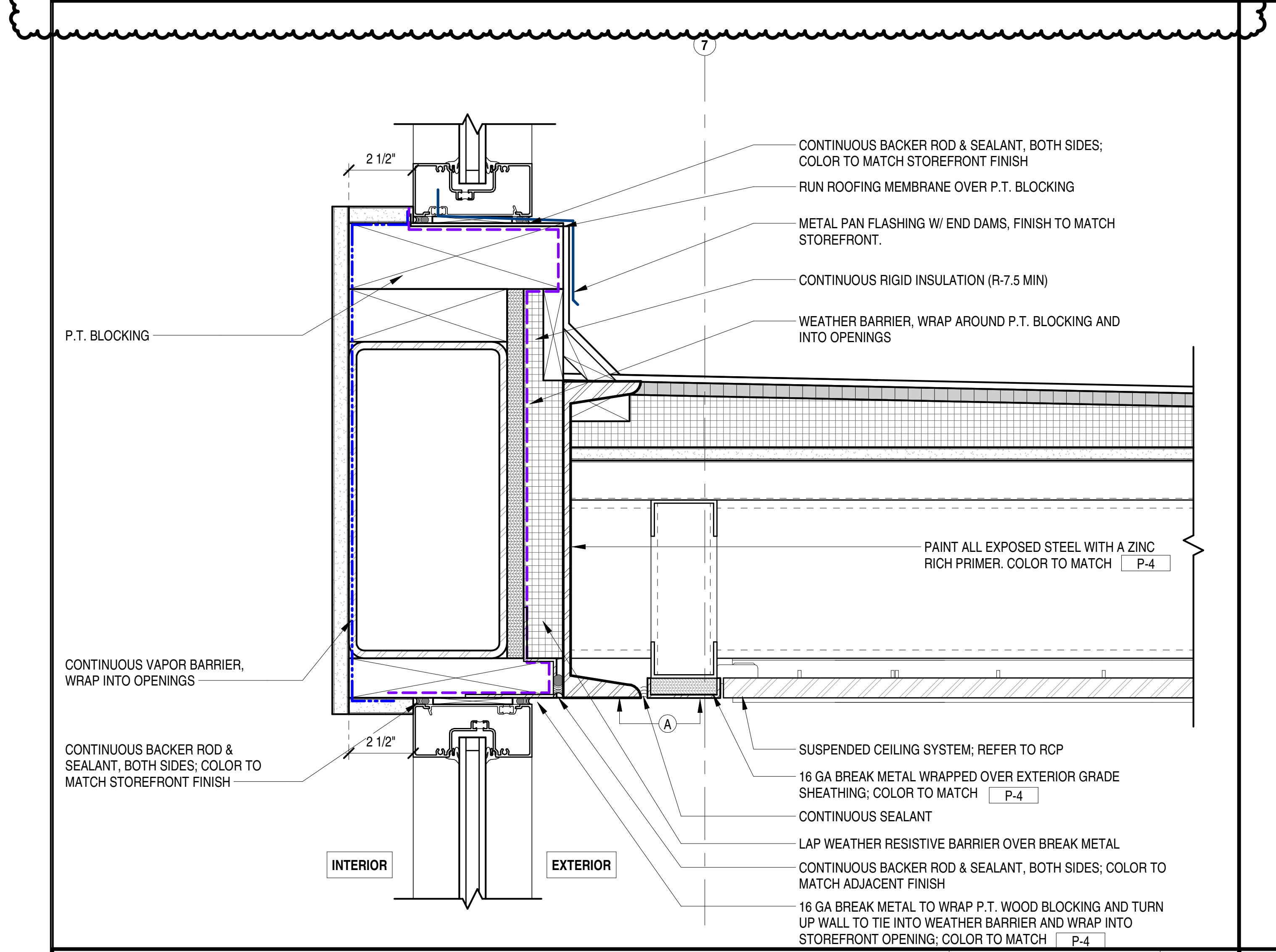
8


H
SLOPE 1/4" / 12"
CONTINUOUS ALUMINUM TROUGH TO RUN AROUND OUTER EDGE OF CANOPY; REFER TO ROOF PLAN
MEMBRANE ROOF. USE DARK GREY MEMBRANE ROOF AT CANOPY ROOF
ROOFING MEMBRANE, ATTACH PER MFR'S RECOMMENDATIONS
CONTINUOUS SEALANT
RUN ROOFING MEMBRANE UNDER FLASHING
FULLY ADHERED CONTINUOUS PREFINISHED METAL FLASHING W/ DRIP EDGE; COLOR TO MATCH
VENTILATED PEST BARRIER
P.T. WOOD BLOCKING W/ CHAMFERED EDGE
C12 CHANNEL; PAINT P-4
XL TAPE LIGHT (LED STRIP IN CHANNEL W/ FROSTED LENS); CHANNEL FINISH TO BE BLACK
A
CONTINUOUS SEALANT
16 GA BREAK METAL WRAPPED OVER EXTERIOR GRADE SHEATHING; COLOR TO MATCH P-4
SEALANT AND BACKER ROD
INTERIOR
EXTERIOR

SECTION DETAIL - CHANNEL @ VESTIBULE

3" = 1'-0" 2" 4" 8"

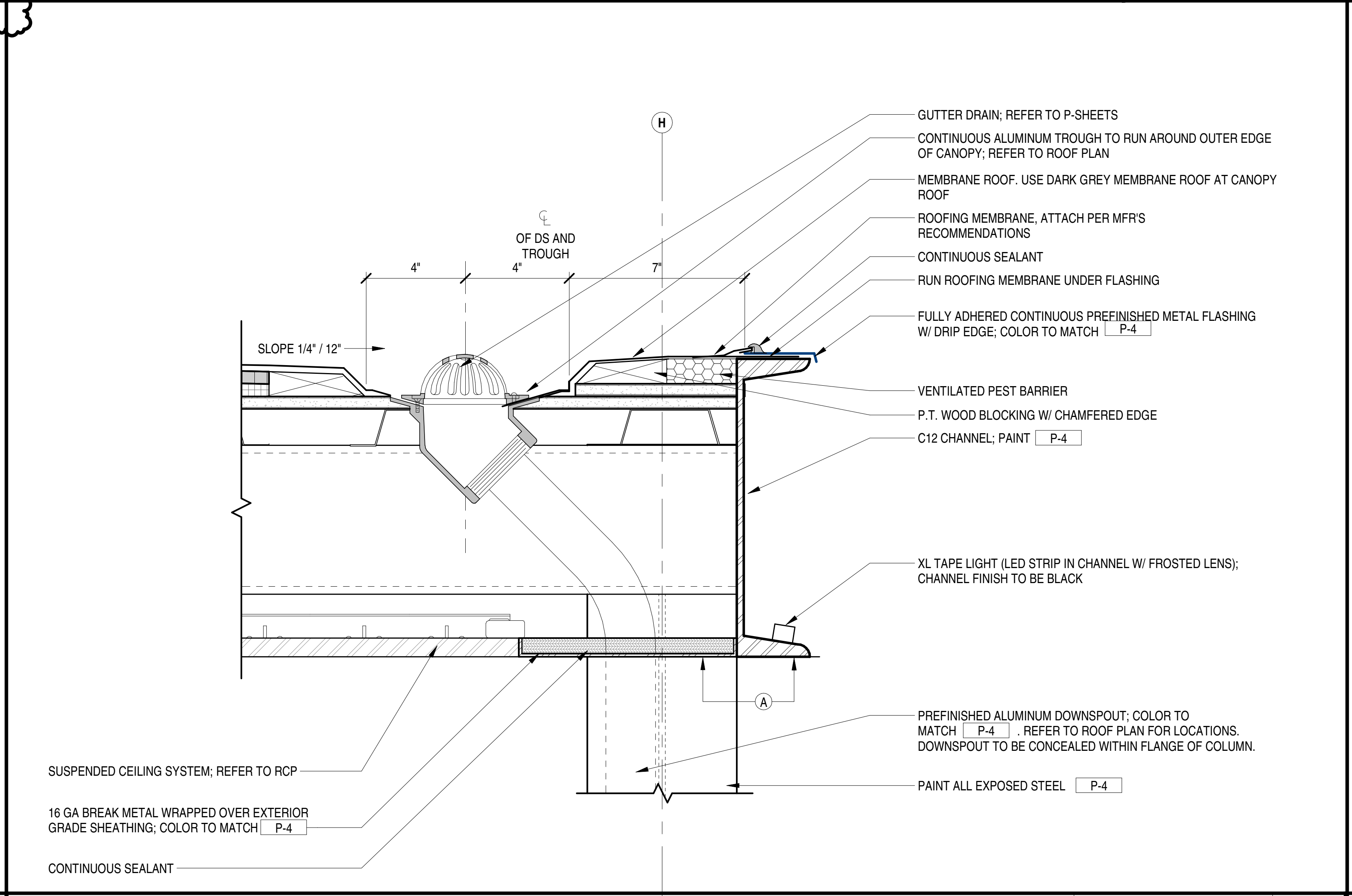
7


7
2 1/2"
CONTINUOUS BACKER ROD & SEALANT, BOTH SIDES; COLOR TO MATCH STOREFRONT FINISH
RUN ROOFING MEMBRANE OVER P.T. BLOCKING
METAL PAN FLASHING W/ END DAMS, FINISH TO MATCH STOREFRONT.
CONTINUOUS RIGID INSULATION (R-7.5 MIN)
WEATHER BARRIER, WRAP AROUND P.T. BLOCKING AND INTO OPENINGS
P.T. BLOCKING
PAINT ALL EXPOSED STEEL WITH A ZINC RICH PRIMER. COLOR TO MATCH P-4
CONTINUOUS VAPOR BARRIER, WRAP INTO OPENINGS
CONTINUOUS BACKER ROD & SEALANT, BOTH SIDES; COLOR TO MATCH STOREFRONT FINISH
2 1/2"
A
SUSPENDED CEILING SYSTEM; REFER TO RCP
16 GA BREAK METAL WRAPPED OVER EXTERIOR GRADE SHEATHING; COLOR TO MATCH P-4
CONTINUOUS SEALANT
LAP WEATHER RESISTIVE BARRIER OVER BREAK METAL
CONTINUOUS BACKER ROD & SEALANT, BOTH SIDES; COLOR TO MATCH ADJACENT FINISH
16 GA BREAK METAL TO WRAP P.T. WOOD BLOCKING AND TURN UP WALL TO TIE INTO WEATHER BARRIER AND WRAP INTO STOREFRONT OPENING; COLOR TO MATCH P-4
INTERIOR
EXTERIOR

EXTERIOR SECTION DETAIL - STOREFRONT HEADER

3" = 1'-0" 2" 4" 8"

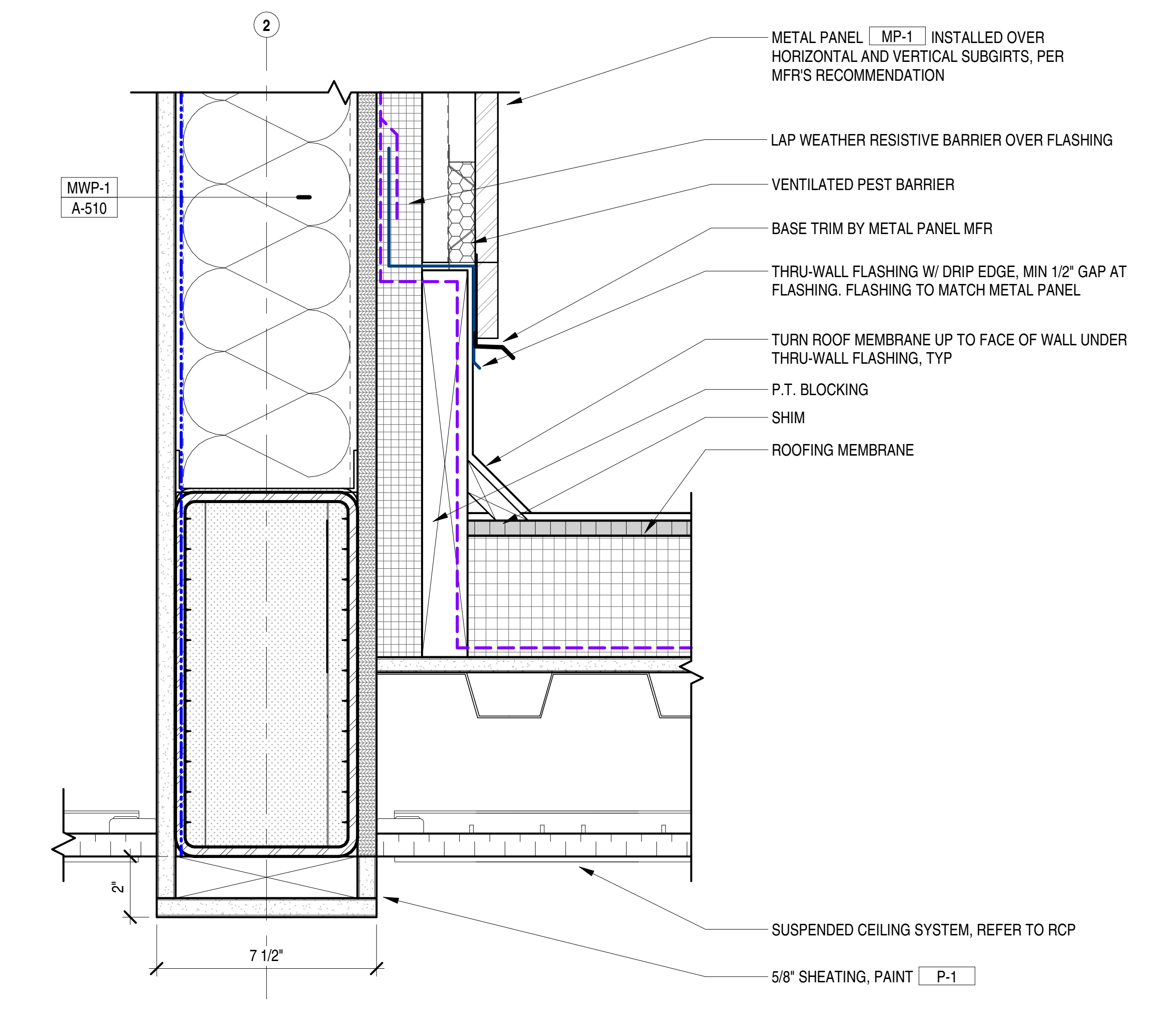
6


H
℄ OF DS AND TROUGH
4"
4"
7"
SLOPE 1/4" / 12"
GUTTER DRAIN; REFER TO P-SHEETS
CONTINUOUS ALUMINUM TROUGH TO RUN AROUND OUTER EDGE OF CANOPY; REFER TO ROOF PLAN
MEMBRANE ROOF. USE DARK GREY MEMBRANE ROOF AT CANOPY ROOF
ROOFING MEMBRANE, ATTACH PER MFR'S RECOMMENDATIONS
CONTINUOUS SEALANT
RUN ROOFING MEMBRANE UNDER FLASHING
FULLY ADHERED CONTINUOUS PREFINISHED METAL FLASHING W/ DRIP EDGE; COLOR TO MATCH P-4
VENTILATED PEST BARRIER
P.T. WOOD BLOCKING W/ CHAMFERED EDGE
C12 CHANNEL; PAINT P-4
XL TAPE LIGHT (LED STRIP IN CHANNEL W/ FROSTED LENS); CHANNEL FINISH TO BE BLACK
A
PREFINISHED ALUMINUM DOWNSPOUT; COLOR TO MATCH P-4 . REFER TO ROOF PLAN FOR LOCATIONS. DOWNSPOUT TO BE CONCEALED WITHIN FLANGE OF COLUMN.
PAINT ALL EXPOSED STEEL P-4
SUSPENDED CEILING SYSTEM; REFER TO RCP
16 GA BREAK METAL WRAPPED OVER EXTERIOR GRADE SHEATHING; COLOR TO MATCH P-4
CONTINUOUS SEALANT

SECTION DETAIL - CANOPY DRAIN

3" = 1'-0" 2" 4" 8"

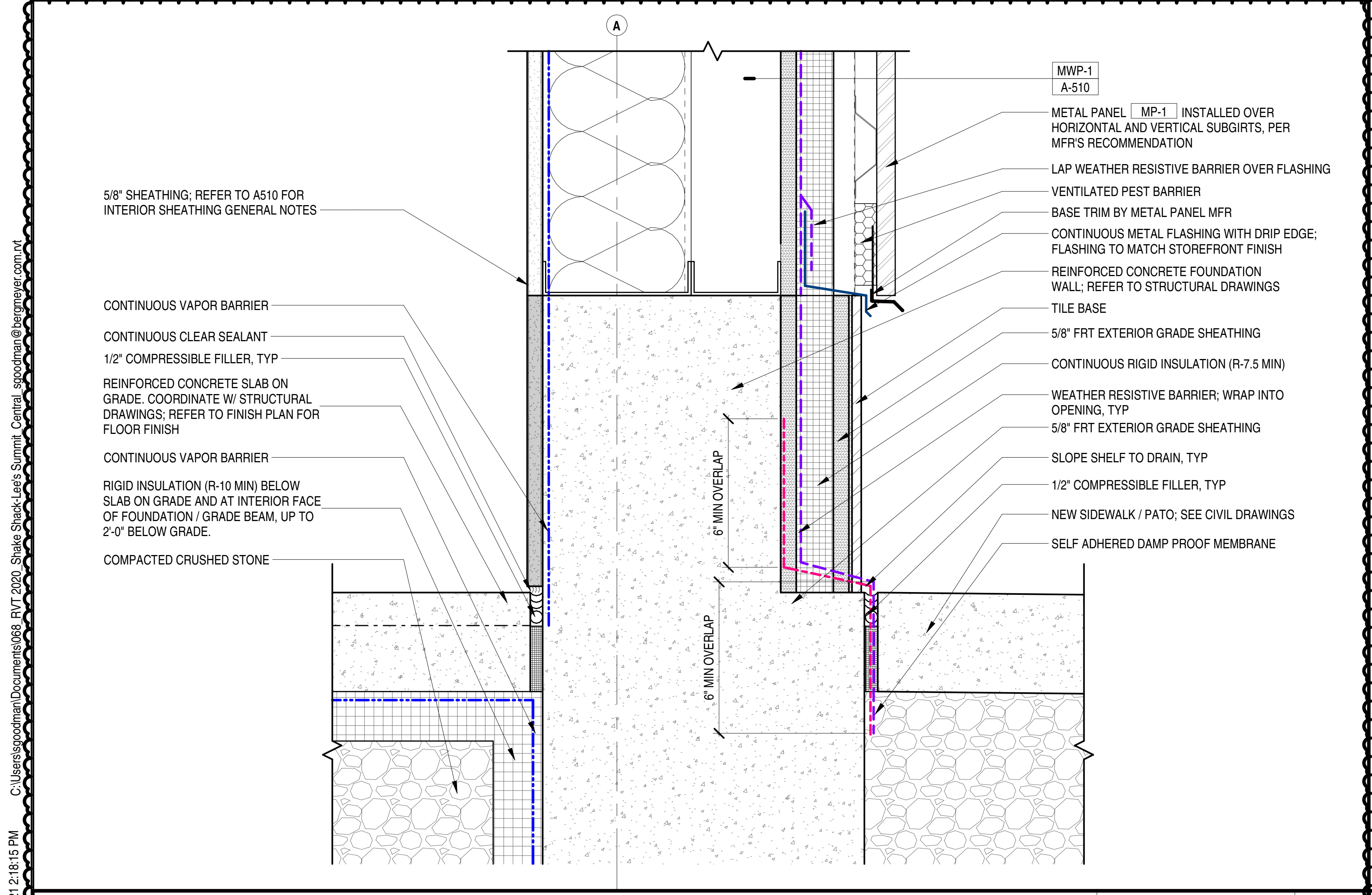
5


2
MWP-1
A-510
METAL PANEL MP-1 INSTALLED OVER HORIZONTAL AND VERTICAL SUBGIRTS, PER MFR'S RECOMMENDATION
LAP WEATHER RESISTIVE BARRIER OVER FLASHING
VENTILATED PEST BARRIER
BASE TRIM BY METAL PANEL MFR
THRU-WALL FLASHING W/ DRIP EDGE, MIN 1/2" GAP AT FLASHING. FLASHING TO MATCH METAL PANEL
TURN ROOF MEMBRANE UP TO FACE OF WALL UNDER THRU-WALL FLASHING, TYP
P.T. BLOCKING
SHIM
ROOFING MEMBRANE
2"
7 1/2"
SUSPENDED CEILING SYSTEM, REFER TO RCP
5/8" SHEATING, PAINT P-1

EXTERIOR DETAIL - BASE FLASHING

3" = 1'-0" 2" 4" 8"

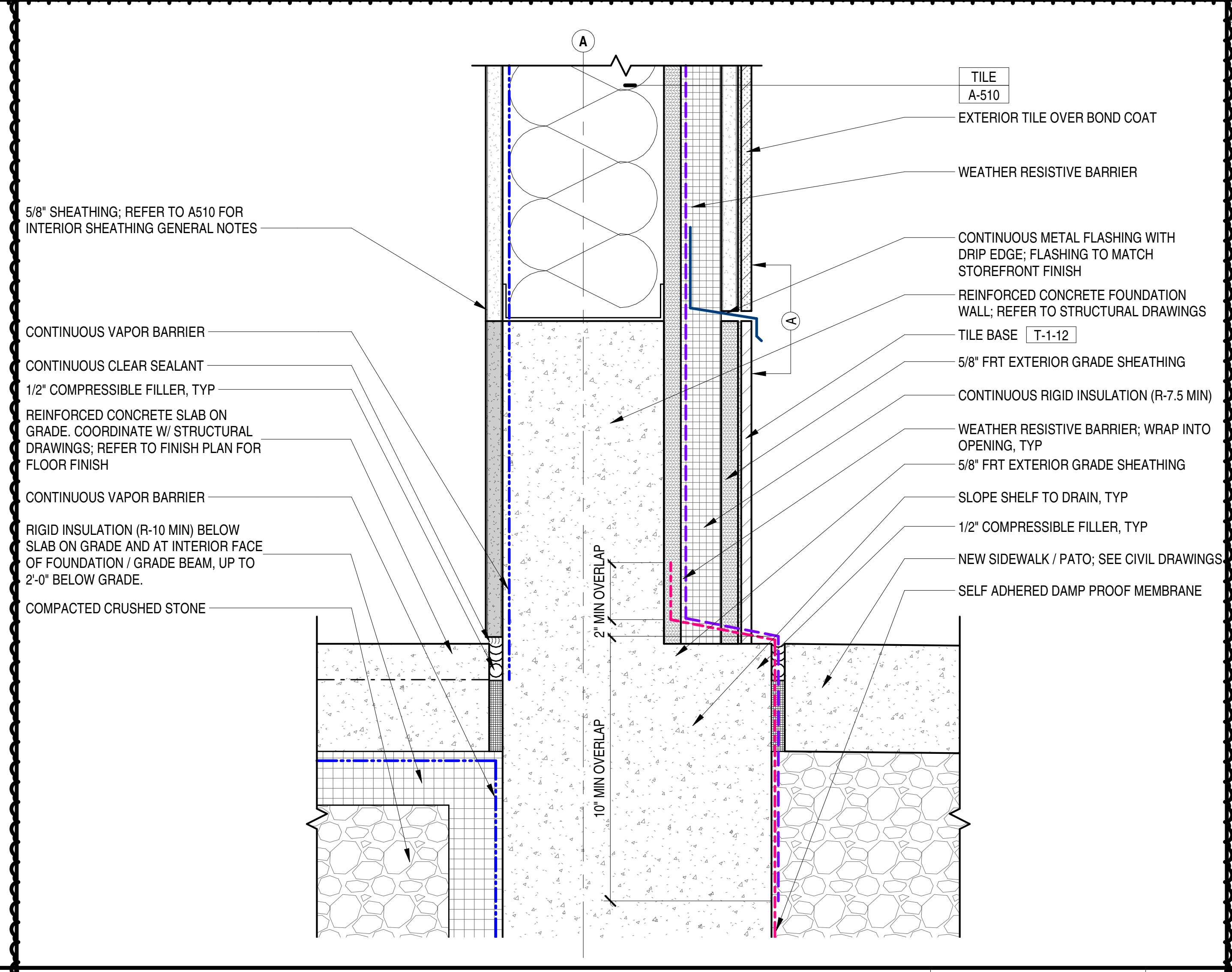
4


A
MWP-1
A-510
METAL PANEL MP-1 INSTALLED OVER HORIZONTAL AND VERTICAL SUBGIRTS, PER MFR'S RECOMMENDATION
LAP WEATHER RESISTIVE BARRIER OVER FLASHING
VENTILATED PEST BARRIER
BASE TRIM BY METAL PANEL MFR
CONTINUOUS METAL FLASHING WITH DRIP EDGE; FLASHING TO MATCH STOREFRONT FINISH
REINFORCED CONCRETE FOUNDATION WALL; REFER TO STRUCTURAL DRAWINGS
TILE BASE
5/8" FRT EXTERIOR GRADE SHEATHING
CONTINUOUS RIGID INSULATION (R-7.5 MIN)
WEATHER RESISTIVE BARRIER; WRAP INTO OPENING, TYP
5/8" FRT EXTERIOR GRADE SHEATHING
SLOPE SHELF TO DRAIN, TYP
1/2" COMPRESSIBLE FILLER, TYP
NEW SIDEWALK / PATO; SEE CIVIL DRAWINGS
SELF ADHERED DAMP PROOF MEMBRANE
5/8" SHEATHING; REFER TO A510 FOR INTERIOR SHEATHING GENERAL NOTES
CONTINUOUS VAPOR BARRIER
CONTINUOUS CLEAR SEALANT
1/2" COMPRESSIBLE FILLER, TYP
REINFORCED CONCRETE SLAB ON GRADE. COORDINATE W/ STRUCTURAL DRAWINGS; REFER TO FINISH PLAN FOR FLOOR FINISH
CONTINUOUS VAPOR BARRIER
RIGID INSULATION (R-10 MIN) BELOW SLAB ON GRADE AND AT INTERIOR FACE OF FOUNDATION / GRADE BEAM, UP TO 2'-0" BELOW GRADE.
COMPACTED CRUSHED STONE
6" MIN OVERLAP
6" MIN OVERLAP

BASE DETAIL - METAL PANEL

3" = 1'-0" 2" 4" 8"

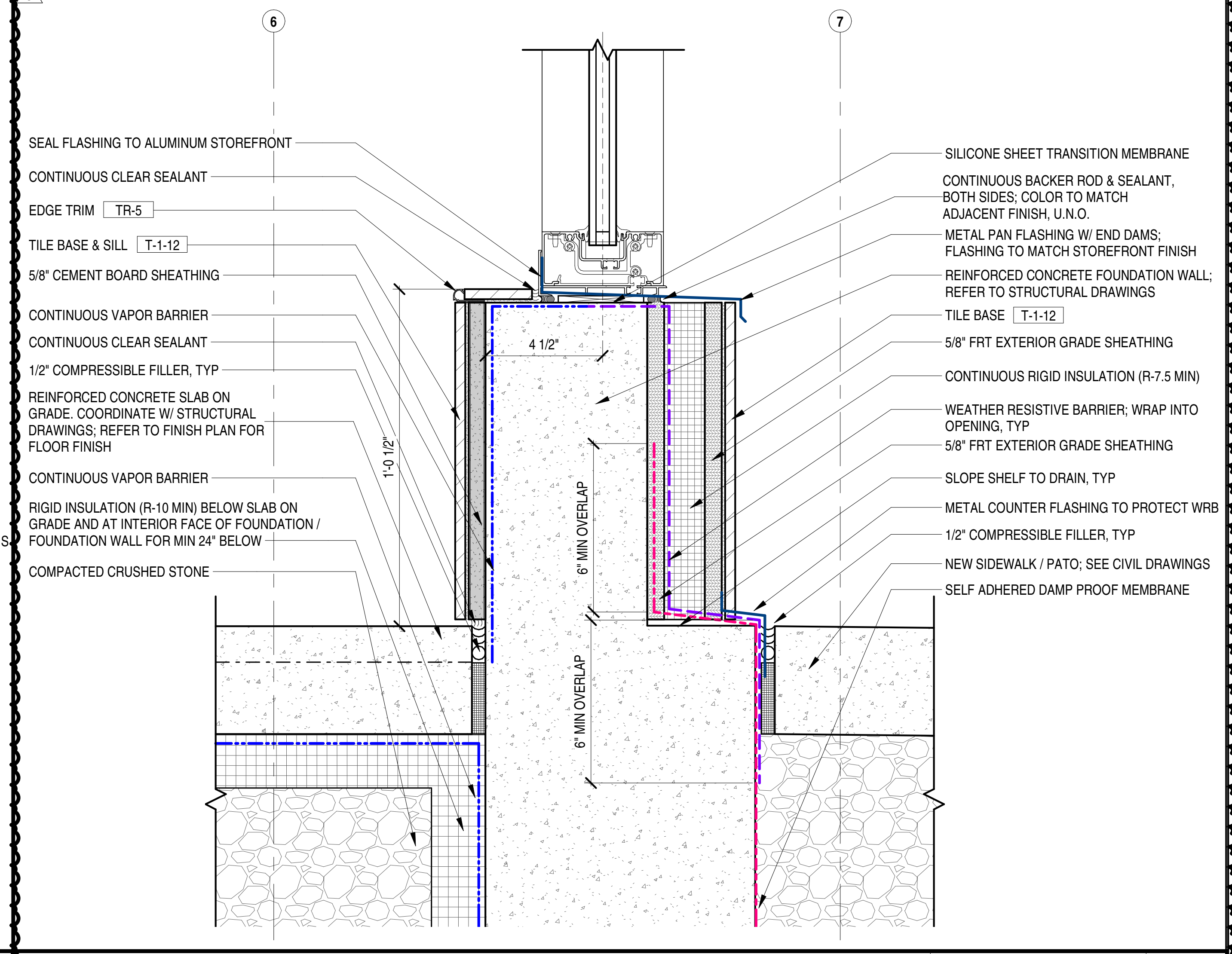
3


A
TILE
A-510
EXTERIOR TILE OVER BOND COAT
WEATHER RESISTIVE BARRIER
CONTINUOUS METAL FLASHING WITH DRIP EDGE; FLASHING TO MATCH STOREFRONT FINISH
REINFORCED CONCRETE FOUNDATION WALL; REFER TO STRUCTURAL DRAWINGS
TILE BASE T-1-12
5/8" FRT EXTERIOR GRADE SHEATHING
CONTINUOUS RIGID INSULATION (R-7.5 MIN)
WEATHER RESISTIVE BARRIER; WRAP INTO OPENING, TYP
5/8" FRT EXTERIOR GRADE SHEATHING
SLOPE SHELF TO DRAIN, TYP
1/2" COMPRESSIBLE FILLER, TYP
NEW SIDEWALK / PATO; SEE CIVIL DRAWINGS
SELF ADHERED DAMP PROOF MEMBRANE
5/8" SHEATHING; REFER TO A510 FOR INTERIOR SHEATHING GENERAL NOTES
CONTINUOUS VAPOR BARRIER
CONTINUOUS CLEAR SEALANT
1/2" COMPRESSIBLE FILLER, TYP
REINFORCED CONCRETE SLAB ON GRADE. COORDINATE W/ STRUCTURAL DRAWINGS; REFER TO FINISH PLAN FOR FLOOR FINISH
CONTINUOUS VAPOR BARRIER
RIGID INSULATION (R-10 MIN) BELOW SLAB ON GRADE AND AT INTERIOR FACE OF FOUNDATION / GRADE BEAM, UP TO 2'-0" BELOW GRADE.
COMPACTED CRUSHED STONE
2" MIN OVERLAP
10" MIN OVERLAP

BASE DETAIL - BRICK

3" = 1'-0" 2" 4" 8"

2


3
6
7
6
SEAL FLASHING TO ALUMINUM STOREFRONT
CONTINUOUS CLEAR SEALANT
EDGE TRIM TR-5
TILE BASE & SILL T-1-12
5/8" CEMENT BOARD SHEATHING
CONTINUOUS VAPOR BARRIER
CONTINUOUS CLEAR SEALANT
1/2" COMPRESSIBLE FILLER, TYP
REINFORCED CONCRETE SLAB ON GRADE. COORDINATE W/ STRUCTURAL DRAWINGS; REFER TO FINISH PLAN FOR FLOOR FINISH
CONTINUOUS VAPOR BARRIER
RIGID INSULATION (R-10 MIN) BELOW SLAB ON GRADE AND AT INTERIOR FACE OF FOUNDATION / FOUNDATION WALL FOR MIN 24" BELOW
COMPACTED CRUSHED STONE
4 1/2"
1'-0 1/2"
6" MIN OVERLAP
6" MIN OVERLAP
SILICONE SHEET TRANSITION MEMBRANE
CONTINUOUS BACKER ROD & SEALANT, BOTH SIDES; COLOR TO MATCH ADJACENT FINISH, U.N.O.
METAL PAN FLASHING W/ END DAMS; FLASHING TO MATCH STOREFRONT FINISH
REINFORCED CONCRETE FOUNDATION WALL; REFER TO STRUCTURAL DRAWINGS
TILE BASE T-1-12
5/8" FRT EXTERIOR GRADE SHEATHING
CONTINUOUS RIGID INSULATION (R-7.5 MIN)
WEATHER RESISTIVE BARRIER; WRAP INTO OPENING, TYP
5/8" FRT EXTERIOR GRADE SHEATHING
SLOPE SHELF TO DRAIN, TYP
METAL COUNTER FLASHING TO PROTECT WRB
1/2" COMPRESSIBLE FILLER, TYP
NEW SIDEWALK / PATO; SEE CIVIL DRAWINGS
SELF ADHERED DAMP PROOF MEMBRANE

BASE DETAIL - STOREFRONT SILL

3" = 1'-0" 2" 4" 8"

1

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CONSULTANTS:

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NO.	BY	DATE	DESCRIPTION
6		2021-08-09	FIELD NOTICE #3
3		2021-04-26	ISSUED FOR CONSTRUCTION
		2021-01-11	PERMIT/BID SET
		2020-12-21	75% SET

SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

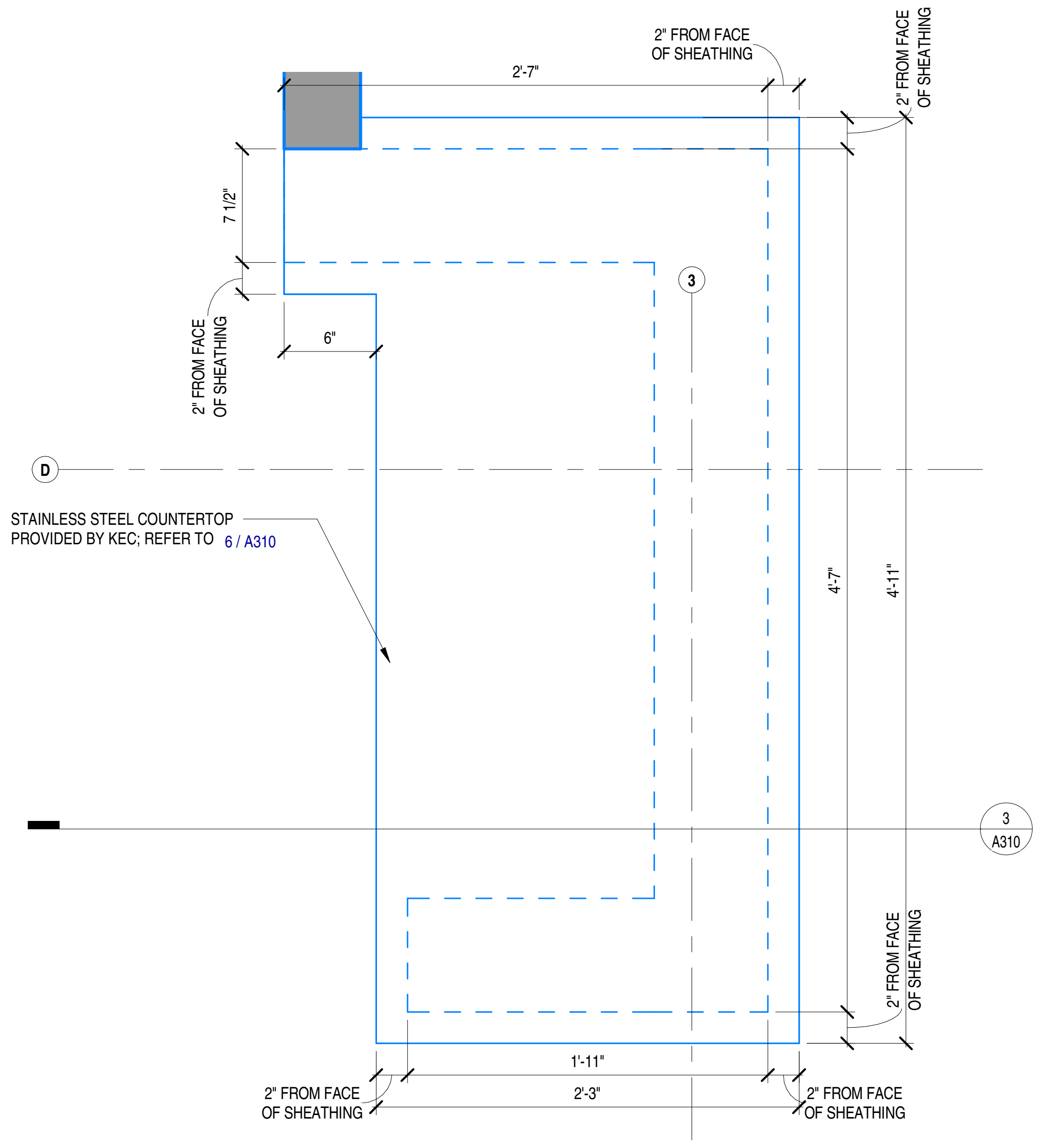
2051 NW LOWENSTEIN DRIVE
LEE'S SUMMIT, MISSOURI 64081
SHACK #1348

FIELD NOTICE #3

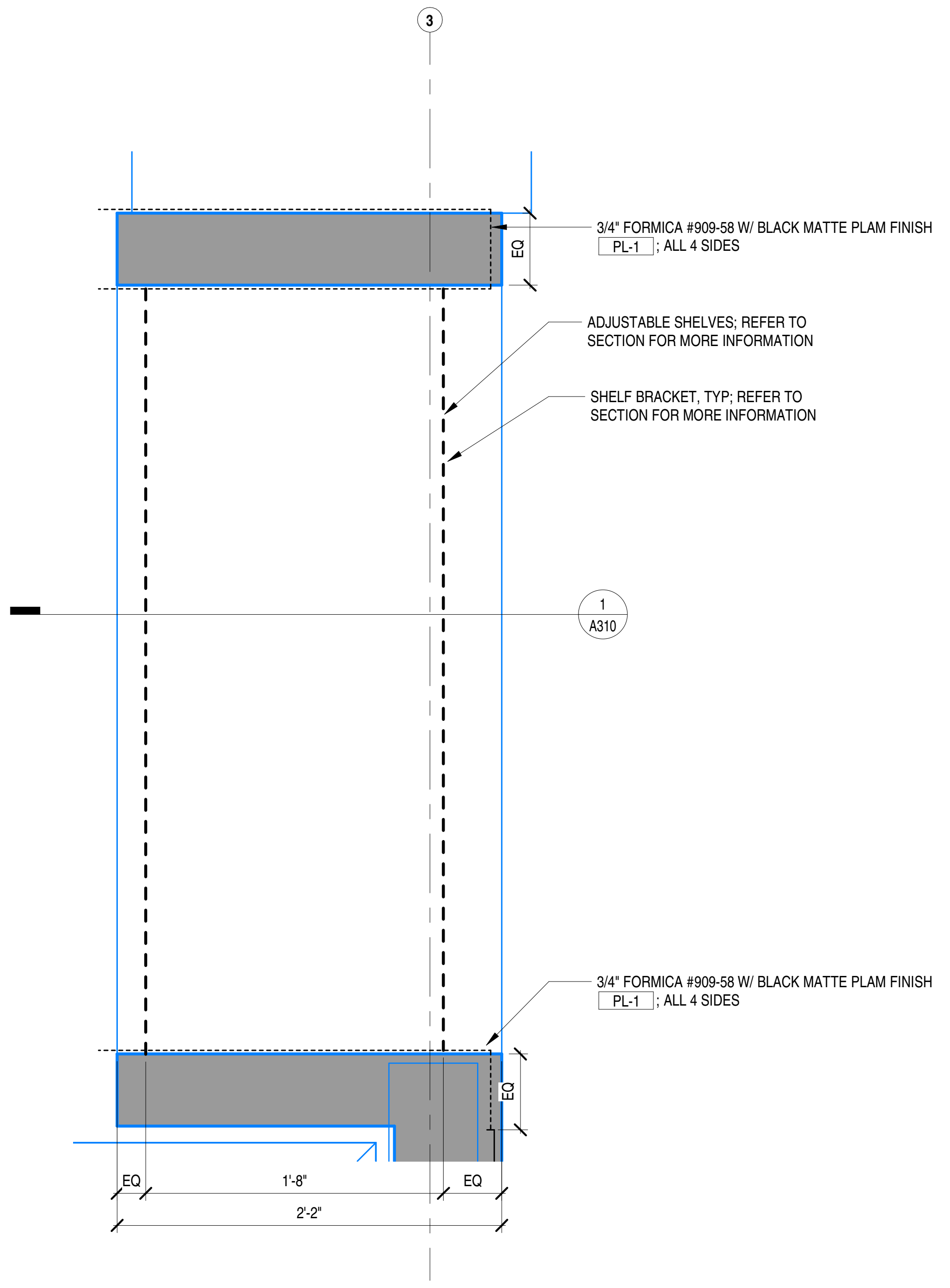
EXTERIOR DETAILS - SECTION

DRAWN BY: CS & WQL
CHECKED BY: JS
JOB NO: 20068.00

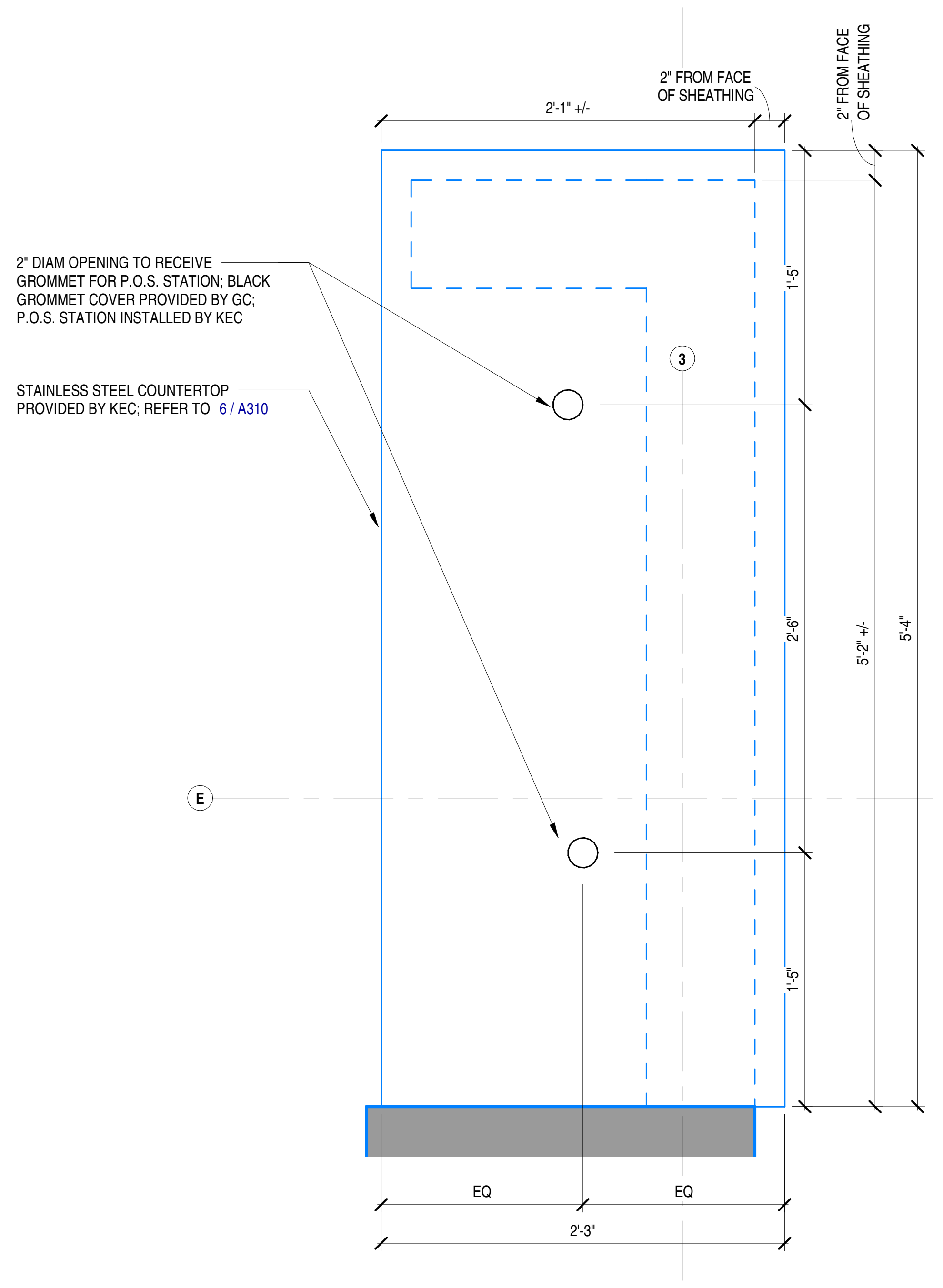
A502


2'-7"
2" FROM FACE OF SHEATHING
2" FROM FACE OF SHEATHING
7 1/2"
2" FROM FACE OF SHEATHING
6"
3
D
STAINLESS STEEL COUNTERTOP PROVIDED BY KEC; REFER TO 6 / A310
4'-7"
4'-11"
3
A310
2" FROM FACE OF SHEATHING
1'-11"
2'-3"
2" FROM FACE OF SHEATHING
2" FROM FACE OF SHEATHING

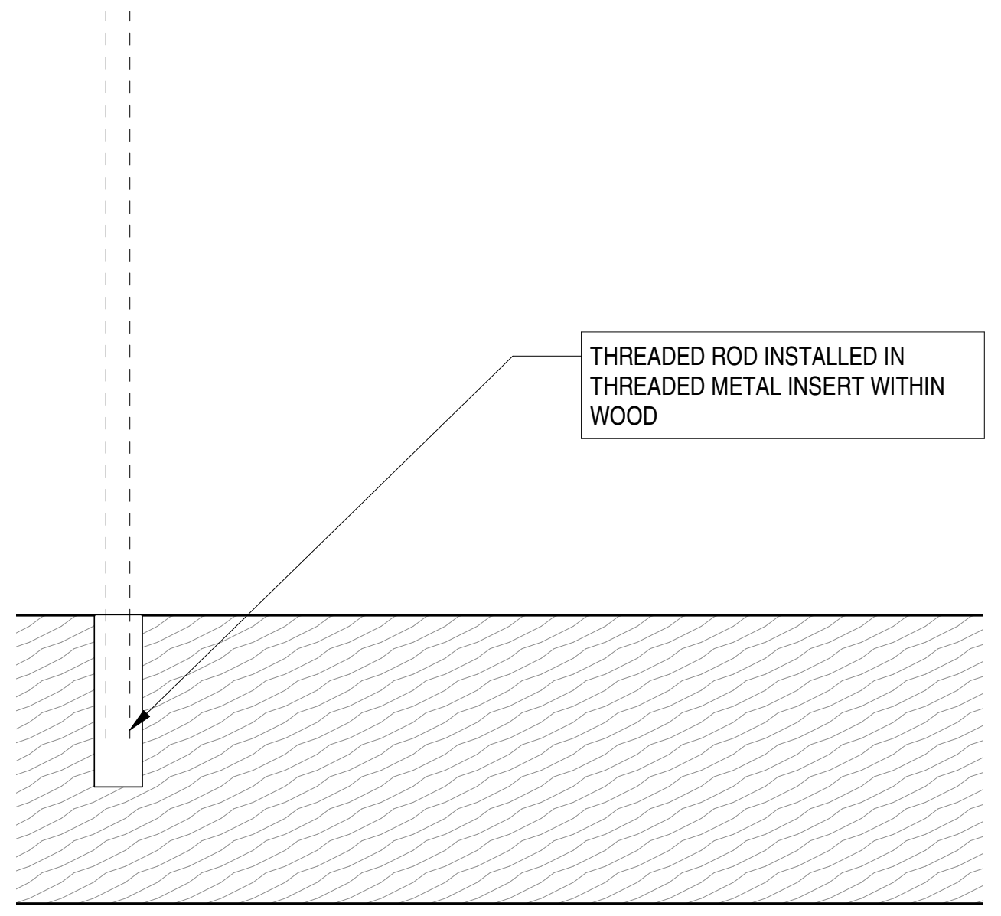
PLAN DETAIL - PICKUP COUNTER 1 1/2" = 1'-0" 6


3
3/4" FORMICA #909-58 W/ BLACK MATTE PLAM FINISH PL-1 ; ALL 4 SIDES
EQ
ADJUSTABLE SHELVES; REFER TO SECTION FOR MORE INFORMATION
SHELF BRACKET, TYP; REFER TO SECTION FOR MORE INFORMATION
1
A310
3/4" FORMICA #909-58 W/ BLACK MATTE PLAM FINISH PL-1 ; ALL 4 SIDES
EQ
EQ
1'-8"
EQ
2'-2"

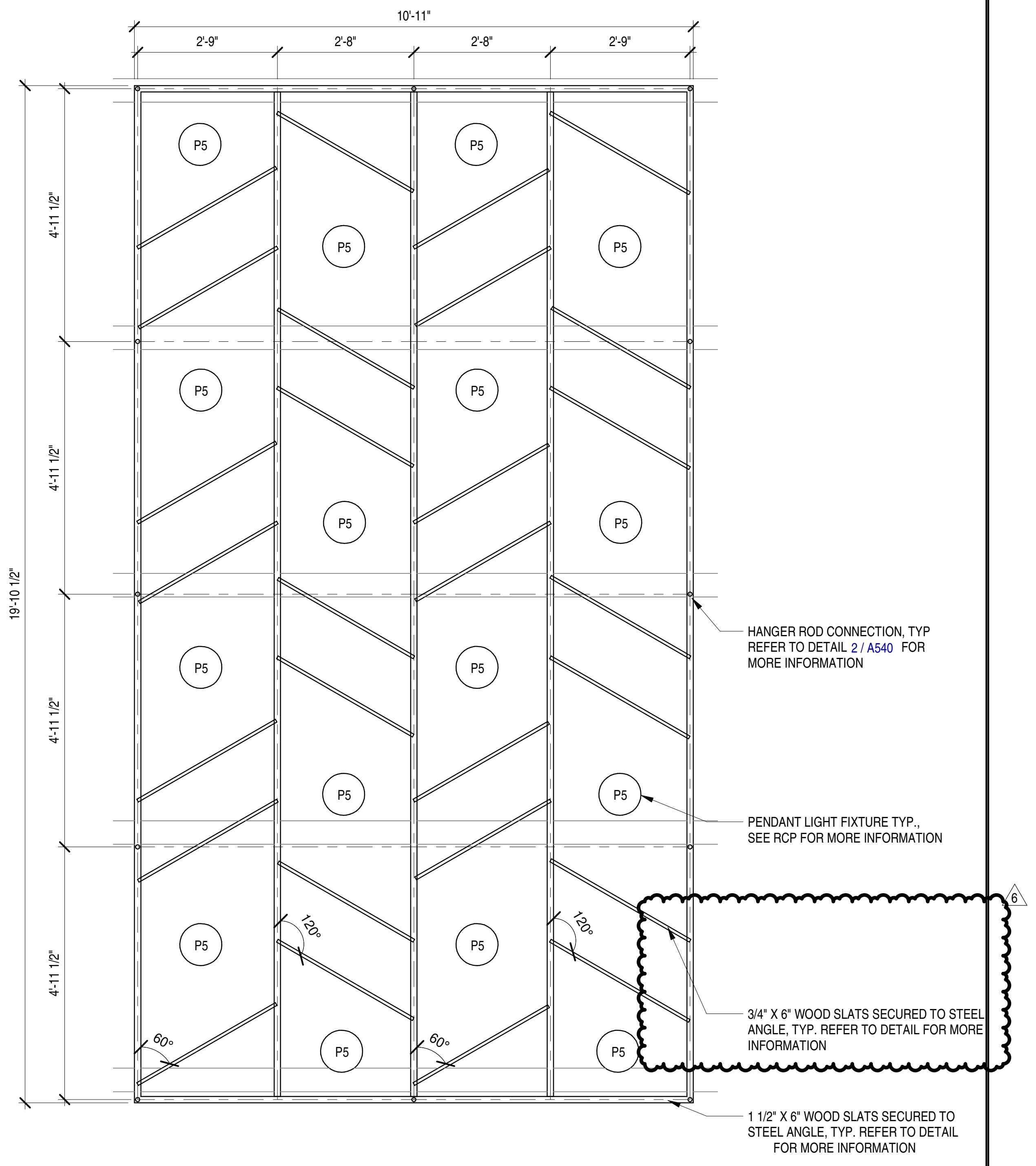
PLAN DETAIL- PICKUP SHELVING 1 1/2" = 1'-0" 4


2" FROM FACE OF SHEATHING
2'-1" +/-
2" FROM FACE OF SHEATHING
2" DIAM OPENING TO RECEIVE GROMMET FOR P.O.S. STATION; BLACK GROMMET COVER PROVIDED BY GC; P.O.S. STATION INSTALLED BY KEC
STAINLESS STEEL COUNTERTOP PROVIDED BY KEC; REFER TO 6 / A310
3
1'-5"
2'-6"
5'-2" +/-
5'-4"
E
1'-5"
EQ
EQ
2'-3"

PLAN DETAIL- ORDER COUNTER 1 1/2" = 1'-0" 3


THREADED ROD INSTALLED IN THREADED METAL INSERT WITHIN WOOD

SECTION DETAIL - MILLWORK HANGER ROD 3" = 1'-0" 2


10'-11"
2'-9"
2'-8"
2'-8"
2'-9"
19'-10 1/2"
4'-11 1/2"
4'-11 1/2"
4'-11 1/2"
4'-11 1/2"
P5
120°
60°
HANGER ROD CONNECTION, TYP REFER TO DETAIL 2 / A540 FOR MORE INFORMATION
PENDANT LIGHT FIXTURE TYP., SEE RCP FOR MORE INFORMATION
3/4" X 6" WOOD SLATS SECURED TO STEEL ANGLE, TYP. REFER TO DETAIL FOR MORE INFORMATION
1 1/2" X 6" WOOD SLATS SECURED TO STEEL ANGLE, TYP. REFER TO DETAIL FOR MORE INFORMATION
6

ENLARGED REFLECTED CEILING PLAN - MILLWORK CLOUD 1/2" = 1'-0" 1

1'-0" 2'-0" 4'-0"

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Suite 1080
Los Angeles, CA 90017
212.337.1090

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SEAL/ SIGNATURE:

NO.	BY	DATE	DESCRIPTION
6		2021-08-09	FIELD NOTICE #3
3		2021-04-26	ISSUED FOR CONSTRUCTION
		2021-01-11	PERMIT/BID SET
		2020-12-21	75% SET

SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

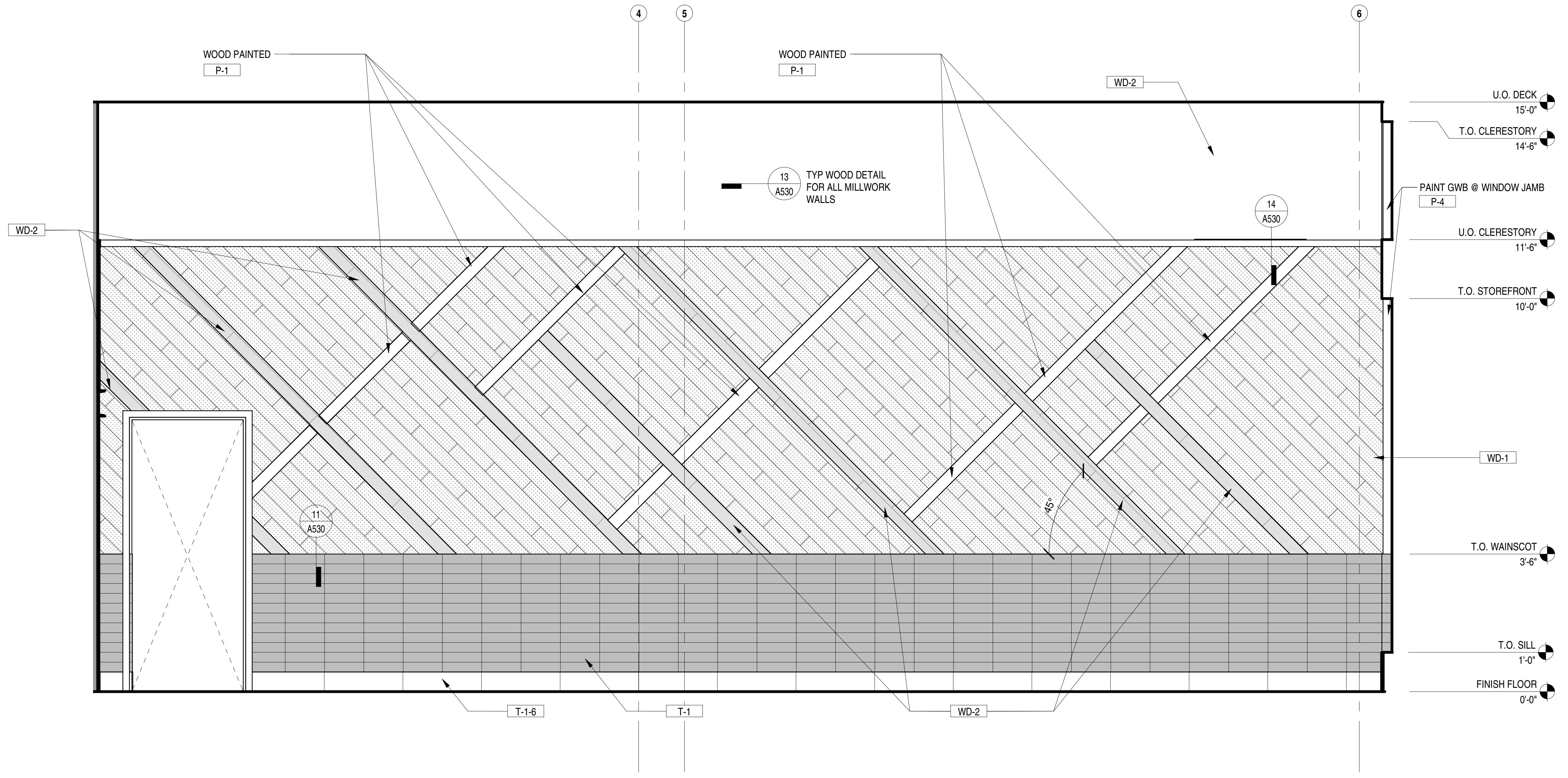
2051 NW LOWENSTEIN DRIVE
LEE'S SUMMIT, MISSOURI 64081
SHACK #1348

FIELD NOTICE #3

MILLWORK DETAILS

DRAWN BY: CS & WQL
CHECKED BY: JS
JOB NO: 20068.00

A540



ENLARGED FINISH ELEVATION

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

FINISH SCHEDULE

TAG NO.	TYPE	MANUFACTURER	STYLE/MODEL	COLOR	LEAD TIME	COMMENTS
CEILING						
C-2	ACOUSTIC CEILING BOARD	ARMSTRONG	TECTUM CEILING PANELS	WHITE		APPLIED TO EXPOSED CEILING DECK IN FOH AREAS FOR SOUND ABSORPTION
C-10	VINYL-FACED CEILING TILE	USG	24" X 48" SHEETROCK BRAND LAY-IN CEILING PANEL VINYL: ITEM#3270	WHITE		GRID: USG DXLA 15/16" WHITE T-GRID FOR WASHABLE TILE
EXTERIOR FINISHES						
MP-1	METAL PANEL	ATAS	OPW 4 1/2", CONCEALED FASTENER	ASCOT WHITE		
MP-1-B	WALL PANEL	ATAS	FLAT METAL PANEL	TO MATCH PMS 369 C		
MP-2	METAL PANEL	RULON	ENDURE LINEAR 900	WOODGRAIN		18' STANDARD LENGTH; PROVIDE #860 SPACER; PROVIDE TRIM WHERE NECESSARY
T-8	BRICK VENEER	CREATIVE MATERIALS CORP.	URBAN BRICK	BLACK		FLUSHED BRUSHED MORTAR JOINT, STANDARD GRAY; CEMENTITIOUS BOND COAT OVER BONDED WATERPROOF MEMBRANE
T-9	BRICK VENEER	CREATIVE MATERIALS CORP.	URBAN BRICK	WHITE		FLUSHED BRUSHED MORTAR JOINT, STANDARD WHITE; CEMENTITOUS BOND COAT OVER BONDED WATERPROOF MEMBRANE
FLOORING						
E-1	URETHANE FLOORING SYSTEM	DUR-A-FLEX	POLY-CRETE MDB	GREY		W/ TF PLUS TOP COAT
EM-2	ENTRY MAT	MATS INC	LEGEND; LOOSE LAY MAT	-		MAT TO BE WIDTH OF ENTRY DOORS
PC-2	CONCRETE SCREED	L.M. SCOFIELD CO.	POLISHED CONCRETE	1266 COOL GREY		SEE NOTE 1
T-1-24	PORCELAIN TILE	CREATIVE MATERIALS CORP.	CEMENTING; SIZE: 24" X 24"	BLACK, NATURAL FINISH		GROUT: LATICRETE 60, DUSTY GREY;
VF-1	VINYL FLOORING	OSCODA PLASTICS	PROTECT-ALL FLOORING	DARK GRAY		UNDER THE WALK-IN COOLER ONLY, SEE VENDOR LIST FOR CONTACT
METAL PANELS						
M-1-E	ALUMINUM CORRUGATED PANEL	ATAS	METAPHOR PROFILE	BONE WHITE (26)		
M-2	METAL PANEL	ATAS	STERRACORE	PVDF BLACK		
M-3-18	STAINLESS STEEL WALL PANEL	-	18 GAUGE BRUSHED FINISH	TYPE 304 SATIN STAINLESS STEEL		FURNISHED & INSTALLED BY GC
MISC.						
CS-1	QUARTZ	CAESARSTONE	#2003; THICKNESS: 3/4"	CONCRETE		REFER TO RESTROOM VANITY DETAIL
MISCELLANEOUS						
GL-1	GLASS	-	1/4" THICK TEMPERED CLEAR MONOLITHIC GLASS	CLEAR		INSTALL WF-1 ON CUSTOMER SIDE OF GLASS

3
6

TAG NO.	TYPE	MANUFACTURER	STYLE/MODEL	COLOR	LEAD TIME	COMMENTS
PL-1	LAMINATE	-	FORMICA #909-58	MATTE BLACK		APPLY MATCHING EDGEBAND WHERE APPLICABLE
WF-1	WINDOW FILM	SOLAR GARD	PANORAMA SLATE 40 FILM	-		INSTALLED ON CUSTOMER SIDE OF GLASS @ KITCHEN ENGINE
WALL BASE AND TRIM						
T-1-6	PORCELAIN TILE	CREATIVE MATERIALS CORP.	CEMENTING; SIZE: 6" X 24"	BLACK, NATURAL FINISH		GROUT: LATICRETE 60, DUSTY GREY;
T-1-12	PORCELAIN TILE	CREATIVE MATERIALS CORP.	CEMENTING; SIZE: 12" X 24"	BLACK, NATURAL FINISH		GROUT: LATICRETE 60, DUSTY GREY;
TR-2	TRANSITION	SCHLUTER	RENO-RAMP, 2 1/2"	SATIN ANODIZED ALUMINUM		
TR-4	EDGE-PROTECTION PROFILE	SCHLUTER	JOLLY	ALUMINUM FINISH W/ BLACK JOINT		
TR-5	EDGE-PROTECTION PROFILE	SCHLUTER	RONDEC	MATERIAL: ALUMINUM, FINISH: BRIGHT BLACK ANODIZED		
TR-7	COVE-SHAPED PROFILE	SCHLUTER	DILEX-AHKA	MATERIAL: ALUMINUM, FINISH: BRUSHED GRAPHITE ANODIZED ALUMINUM (AGRB)		
TR-10	DRYWALL F REVEAL	FRY REGLET	DRMF-625-200	POWDERCOAT BLACK		
WALL FINISHES						
FRP	FIBERGLASS REINFORCED PANEL	MARLITE	STANDARD P100, SMOOTH FINISH	WHITE		
P-1	PAINT	SHERWIN WILLIAMS	SW7005	PURE WHITE		
P-2	PAINT	SHERWIN WILLIAMS	SW7064	PASSIVE		
P-4	PAINT	SHERWIN WILLIAMS	SW7069	IRON ORE		
T-1	PORCELAIN TILE	CREATIVE MATERIALS CORP.	PIECES, DEPTH; SIZE: 3" X 12"	CHARCOAL	6-8 WEEKS	GROUT: LATICRETE 60, DUSTY GREY; 1/8" JOINTS
T-3	PORCELAIN TILE	CREATIVE MATERIALS CORP.	CHROMA; SIZE: 2" X 10"	WHITE, GLOSSY		GROUT: LATICRETE 89 SMOKE GREY; 1/8" JOINTS
T-14	PORCELAIN TILE	CREATIVE MATERIALS CORP.	TUNE	WHITE PITCH		GROUT: LATICRETE 44, BRIGHT WHITE; 1/8" JOINTS
WD-1	WOOD FINISH	PIONEER MILLWORKS	WOOD PLANK - WIDE PLANK	ASH - SILVER FOX		
WD-2	WOOD FINISH	PIONEER MILLWORKS	WOOD PLANK - WIDE PLANK	MIXED OAK, BLACK & TAN - TAN		

NOTES:

1. **POLISHED CONCRETE PC-3**
   - 1 PASS 80 GRIT METAL BOND PAD (TO ACHIEVE SALT & PEPPER)
   - 1 PASS 150 GRIT METAL BOND PAD
   - 1 PASS 100 GRIT RESIN BOND PAD
   - 1 PASS 200 GRIT RESIN BOND PAD
   - 1 PASS 400 GRIT RESIN BOND PAD
   - 1 PASS 800 GRIT RESIN BOND PAD
   - CONSOLIDECK POLISHED GUARD PROTECTIVE COATING
   - CLEAR CONCRETE SEALER; CURECRETE CHEMICAL AASHFORD FORMULA, ONE COAT; ZERO VOC'S

GENERAL NOTES

A. CHECK LEAD TIMES ON ALL TILES. SOME MAY HAVE A 6-8 WEEK LEAD TIME.
B. TILE INSTALLER TO VERIFY ALIGNMENT OF GROUT LINES OF WALL AND FLOOR TILE PRIOR TO INSTALLATION.
C. THE G.C. IS TO OBTAIN CONTROL SAMPLE FOR WOOD PANELING FROM TENANT'S DESIGNER.
D. USE EXTERIOR GRADE FINISHES AT ALL FLOORING, WALL, AND CEILING APPLICATIONS.
E. AT ALL TILE TRANSITIONS (EDGES, CORNERS, ETC.) WHERE APPLICABLE, PROVIDE STAINLESS STEEL SCHLUTER TRIM PIECES AND ACCESSORIES.
F. ALL INTERIOR FINISHES TO HAVE A FLAME SPREAD RATING AS INDICATED ON SHEET T-001

Bergmeyer

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212.337.1090

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NO.	BY	DATE	DESCRIPTION
6		2021-08-09	FIELD NOTICE #3
3		2021-04-26	ISSUED FOR CONSTRUCTION
		2021-01-11	PERMIT/BID SET
		2020-12-21	75% SET
		2020-10-12	DD SET

SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

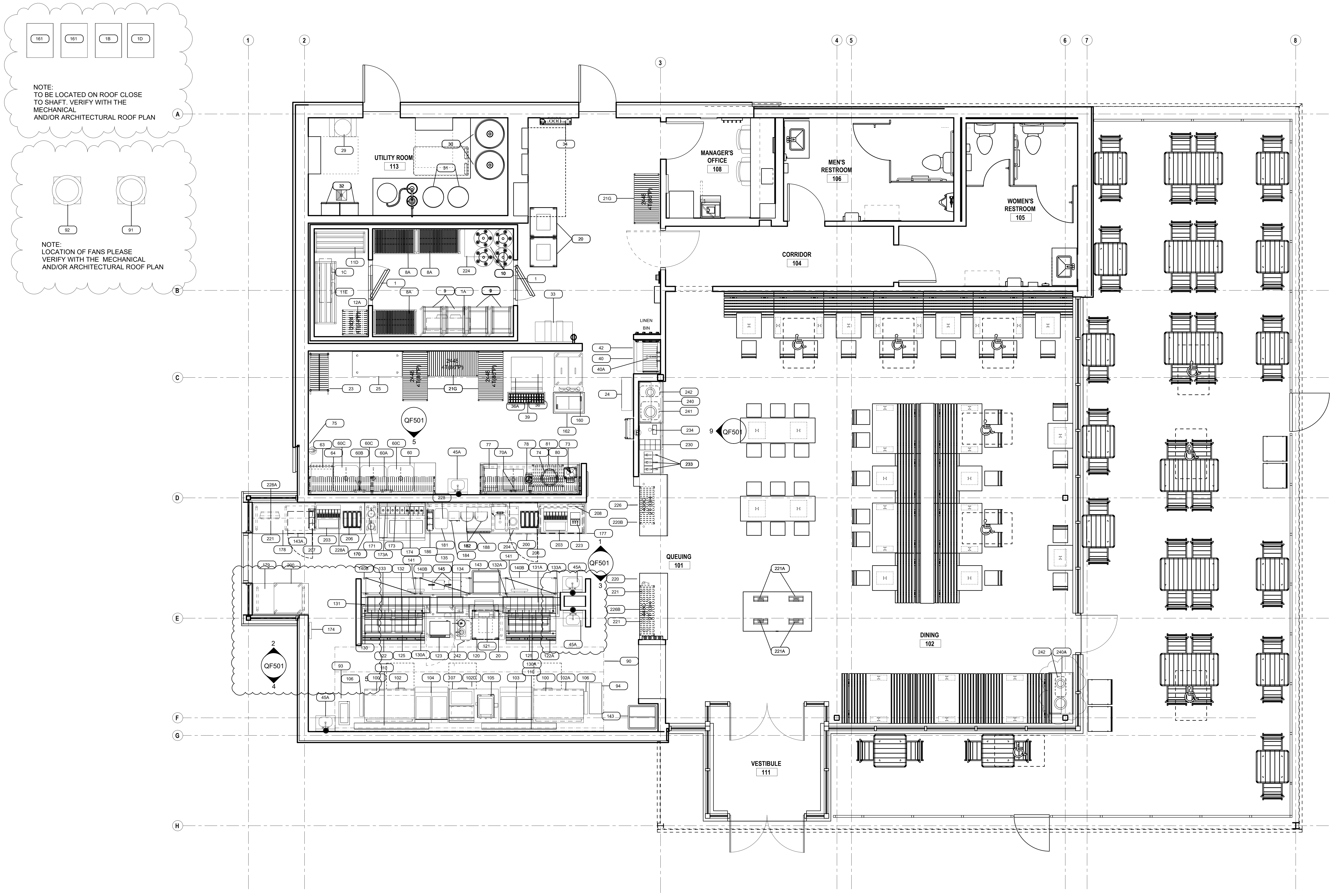
2051 NW LOWENSTEIN DRIVE
LEE'S SUMMIT, MISSOURI 64081
SHACK #1348

FIELD NOTICE #3

FINISH SCHEDULE

DRAWN BY: CS & WQL
CHECKED BY: JS
JOB NO: 20068.00

A601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G
H
UTILITY ROOM
113
MANAGER'S OFFICE
108
MEN'S RESTROOM
106
WOMEN'S RESTROOM
105
CORRIDOR
104
LINEN BIN
QUEUING
101
DINING
102
VESTIBULE
111
QF501

NOTE:
TO BE LOCATED ON ROOF CLOSE
TO SHAFT. VERIFY WITH THE
MECHANICAL
AND/OR ARCHITECTURAL ROOF PLAN

NOTE:
LOCATION OF FANS PLEASE
VERIFY WITH THE MECHANICAL
AND/OR ARCHITECTURAL ROOF PLAN

FOODSERVICE EQUIPMENT LAYOUT

SCALE: 1/2" - 1' - 0"

TriMark
Foodservice Equipment, Supplies and Design
UNITED EAST

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P.O. Box 3505
South Attleboro, MA 02703
P 508-399-6000
F 508-761-3620

trimarkusa.com

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Owner and all Contractors to check and verify existing dimensions and conditions in the field before starting construction and to notify TriMark of any material or detail changes.

REVISIONS

NO.	BY	DATE	DESCRIPTION
NO.	SC	04-26-21	IFC SET
	MH	08-09-21	FIELD NOTICE #3

Shake Shack - Lee Summit

LEE SUMMIT, MO

Foodservice Equipment Drawings

PROJECT NUMBER:
20-275

DATE:
11-25-2020

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

DRAWN BY:	APPROVED BY:
MSH	SD

SHEET TITLE:
KITCHEN EQUIPMENT
PLAN

SHEET NUMBER:
QF101

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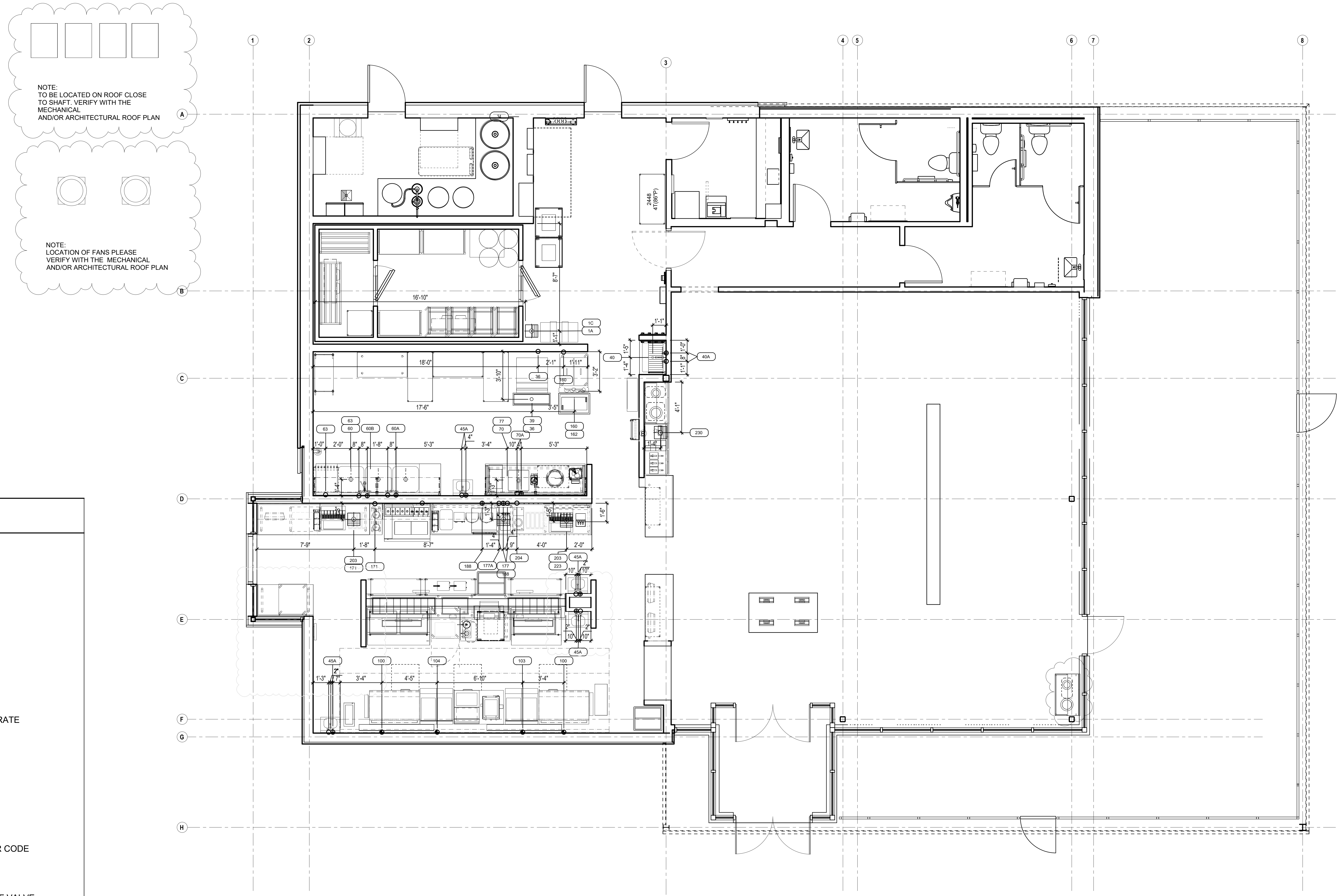

NOTE:
TO BE LOCATED ON ROOF CLOSE
TO SHAFT. VERIFY WITH THE
MECHANICAL
AND/OR ARCHITECTURAL ROOF PLAN

NOTE:
LOCATION OF FANS PLEASE
VERIFY WITH THE MECHANICAL
AND/OR ARCHITECTURAL ROOF PLAN

+⊕	HOT WATER
+⊕	SOFTENED HOT WATER
+○	COLD WATER
+○	SOFTENED COLD WATER
+⊖	FILTERED WATER
+●	DIRECT WASTE
●	INDIRECT WASTE
⊕	FLOOR DRAIN
▣	FLOOR SINK - THREE-QUARTER GRATE
▣	FLOOR SINK - PARTIAL GRATE
▢	FLOOR SINK - NO GRATE
◎	FUNNEL FLOOR DRAIN
◉	HUB FLOOR DRAIN
⊡	AREA FLOOR DRAIN - SLOPED PER CODE
+◐	GAS DROP FROM MANIFOLD
⋈	FIRE SUPPRESSION GAS SHUT-OFF VALVE
+◐ CS	CHILLED WATER
+◐ CR	CHILLED WATER RETURN
ΦSS	STEAM SUPPLY
ΦCR	CONDENSATE RETURN

FOODSERVICE PLUMBING SUPPLY ROUGH-IN PLAN

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

FOODSERVICE DRAWINGS INDICATE PLUMBING ROUGH-IN/CONNECTION POINTS ONLY FOR EQUIPMENT SPECIFIED UNDER THE KITCHEN EQUIPMENT (SECTION 114000) CONTRACT. ANY ADDITIONAL PLUMBING REQUIREMENTS ARE NOT INDICATED ON FOODSERVICE DRAWINGS. THE PLUMBING CONTRACTOR (DIVISION 22) SHALL FURNISH AND INSTALL PRESSURE REDUCING VALVES, FLOW CONTROLS, BACK FLOW PREVENTION, RPZ (REDUCED PRESSURE ZONE) VALVES, WATER HAMMER ARRESTOR, GATE VALVES, FOR WATER CONNECTIONS AS REQUIRED PER LOCAL CODES.

TriMark
Foodservice Equipment, Supplies and Design
UNITED EAST

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KITCHEN EQUIPMENT
PLUMBING
ROUGH- IN PLAN

SHEET NUMBER:
QF201

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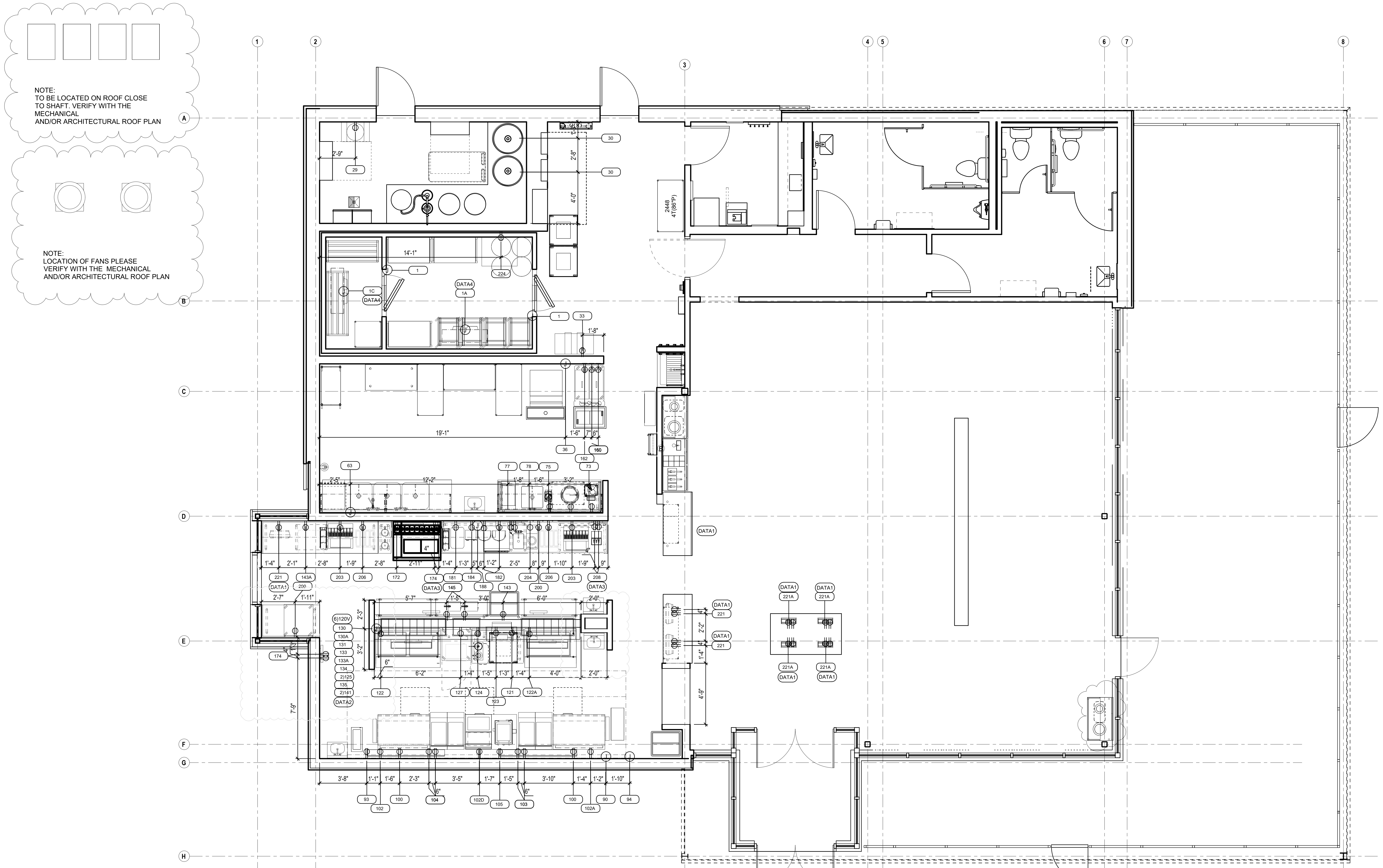
NOTE:
TO BE LOCATED ON ROOF CLOSE TO SHAFT. VERIFY WITH THE MECHANICAL AND/OR ARCHITECTURAL ROOF PLAN
NOTE:
LOCATION OF FANS PLEASE VERIFY WITH THE MECHANICAL AND/OR ARCHITECTURAL ROOF PLAN
1
2
3
4
5
6
7
8
A
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C
D
E
F
G
H
DATA1
DATA2
DATA3
DATA4

E-DATA1	DATA PORT AT 24" AFF TO TOP OF OUTLET FOR COMMUNICATING WITH RESTAURANT COMPUTER SYSTEM. E.C. TO PROVIDE AND INTERWIRE BACK TO OFFICE.
E-DATA2	DATA PORT AT 74" AFF TO TOP OF OUTLET . FOR COMMUNICATING WITH RESTAURANT COMPUTER SYSTEM. E.C. TO PROVIDE, INTERWIRE TO PORTS IN CHASE AND INTERWIREBACK TO OFFICE.
E-DATA3	DATA PORT AT 63" AFF TO TOP OF OUTLET FOR COMMUNICATING WITH RESTAURANT COMPUTER SYSTEM. E.C. TO PROVIDE AND INTERWIRE BACK TO OFFICE.
E-DATA4	DATA PORT DFA AND CONNECT TO WALK IN REFRIGERATION FOR COMMUNICATING WITH RESTAURANT COMPUTER SYSTEM. E.C. TO PROVIDE AND INTERWIRE BACK TO OFFICE.

FOODSERVICE ELECTRICAL ROUGH-IN PLAN

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

FOODSERVICE DRAWINGS INDICATE ELECTRICAL ROUGH-IN/CONNECTION POINTS ONLY FOR EQUIPMENT SPECIFIED UNDER THE KITCHEN EQUIPMENT (SECTION 114000) CONTRACT. ANY ADDITIONAL ELECTRICAL REQUIREMENTS ARE NOT INDICATED ON FOODSERVICE DRAWINGS.

ELECTRICAL LEGEND

- DUPLEX RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE
- JUNCTION BOX - WALL MOUNTED
- Ⓙ JUNCTION BOX - CEILING MOUNTED

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LEE SUMMIT, MO

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20-275

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11-25-2020

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1/4" = 1'-0"

DRAWN BY:	APPROVED BY:
MSH	SD

SHEET TITLE:
KITCHEN EQUIPMENT
ELECTRICAL
ROUGH- IN PLAN

SHEET NUMBER:
QF301

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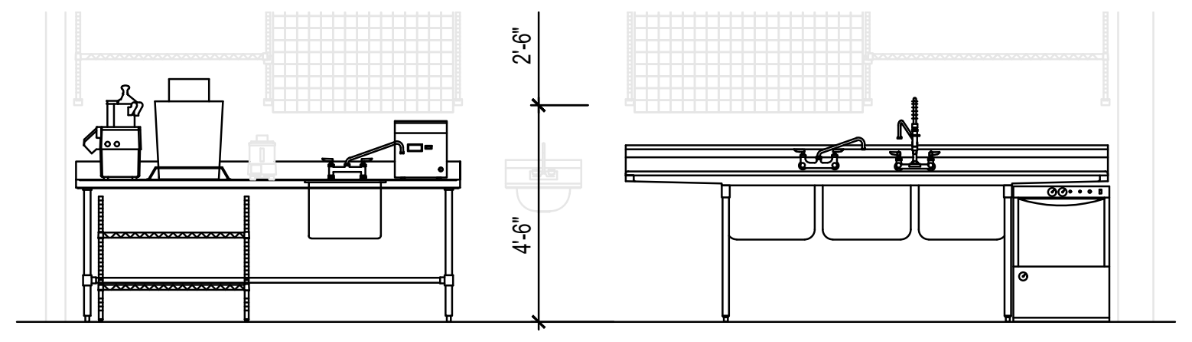

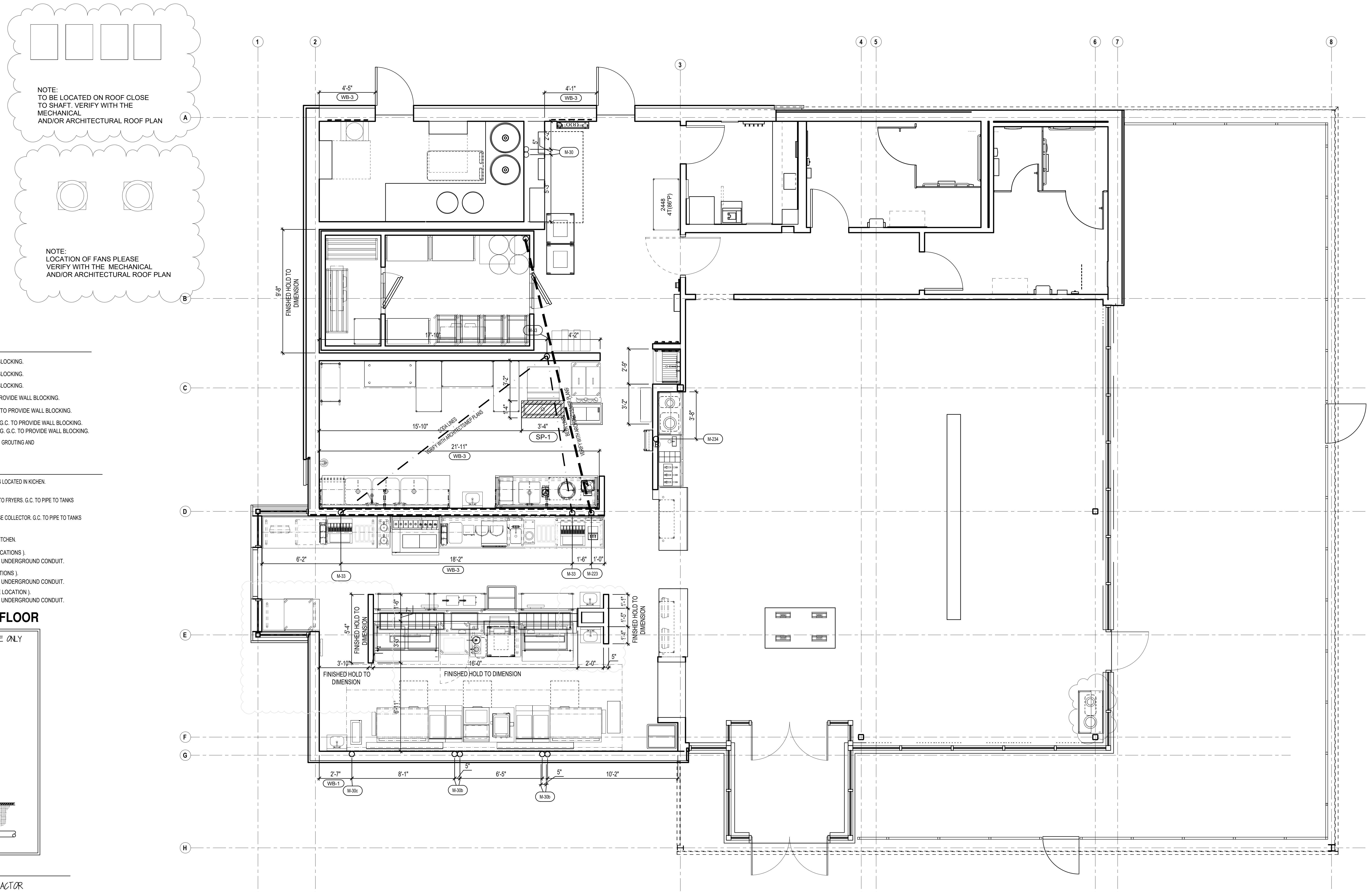
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NOTE:
LOCATION OF FANS PLEASE VERIFY WITH THE MECHANICAL AND/OR ARCHITECTURAL ROOF PLAN
1
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A
B
C
D
E
F
G
H
4'-5"
WB-3
4'-1"
WB-3
M-30
5"
2'-2"
5'-3"
2448
4T(86"P)
9'-8"
FINISHED HOLD TO DIMENSION
17'-10"
M-33
4'-2"
2'-9"
3'-2"
3'-2"
1'-4"
3'-4"
3'-8"
M-234
SP-1
15'-10"
SODA LINES
VERIFY WITH ARCHITECTS/MEP PLANS
BEER LINES
VERIFY WITH ARCHITECTS/MEP PLANS
21'-11"
WB-3
6'-2"
18'-2"
1'-6"
1'-0"
WB-3
M-33
M-33
M-223
1'-6"
7"
5'-4"
FINISHED HOLD TO DIMENSION
3'-3"
5"
1'-1"
1'-5"
1'-4"
FINISHED HOLD TO DIMENSION
3'-10"
16'-0"
2'-0"
5"
FINISHED HOLD TO DIMENSION
FINISHED HOLD TO DIMENSION
6'-11"
2'-7"
8'-1"
5"
6'-5"
5"
10'-2"
WB-1
M-30c
M-30b
M-30b

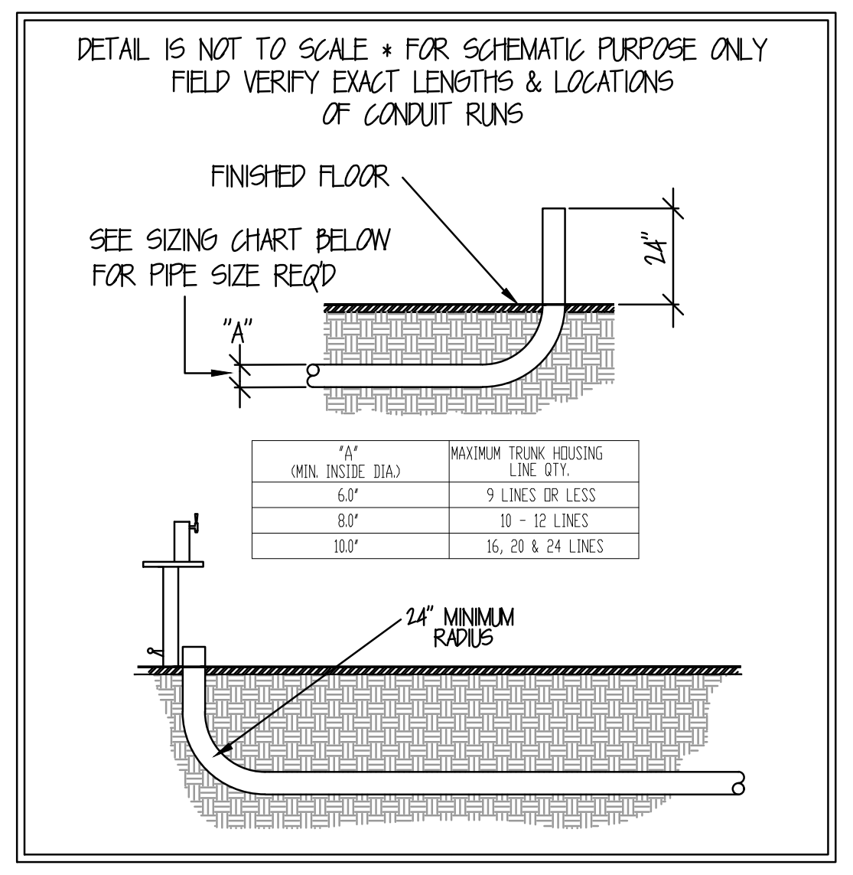
SPECIAL CONDITIONS SCHEDULE

WB-1	3/4" WALL BLOCKING FROM 24" TO 72" AFF. G.C. TO PROVIDE WALL BLOCKING.
WB-2	3/4" WALL BLOCKING FROM 30" TO 96" AFF. G.C. TO PROVIDE WALL BLOCKING.
WB-3	3/4" WALL BLOCKING FROM 24" TO 96" AFF. G.C. TO PROVIDE WALL BLOCKING.
WB-4	3/4" WALL BLOCKING FROM 48" TO FINISHED CEILING AFF. G.C. TO PROVIDE WALL BLOCKING.
WB-5	3/4" WALL BLOCKING FROM FINISHED FLOOR TO TOP OF WALL. G.C. TO PROVIDE WALL BLOCKING.
WB-6	3/4" WALL BLOCKING FROM TOP OF WINDOW TO FINISHED CEILING. G.C. TO PROVIDE WALL BLOCKING. 3/4" WALL BLOCKING FROM BOTTOM OF SOFFIT TO FINISHED CEILING. G.C. TO PROVIDE WALL BLOCKING.
SP-1	4" DEEP DEPRESSION BY G.C. TO BE SMOOTH, LEVEL. ALL WATERPROOFING, GROUTING AND FINISHED FLOOR TO BE PROVIDED BY G.C..

MECHANICAL CONNECTION SCHEDULE

M-30	RTI OIL FILL BOX AT 36" ABOVE SIDE WALL. G.C. TO PIPE FROM BOX TO TANKS LOCATED IN KICHEN. VERIFY WITH THE ARCHITECT/MEP ENGINEER FOR ANY IN WALL CONDUIT.
M-30b	RTI OIL FILL AND RETURN PIPING STUB OUT WALL AT 24" AFF AND CONNECT TO FRYERS. G.C. TO PIPE TO TANKS VERIFY WITH THE ARCHITECT/MEP ENGINEER FOR ANY IN WALL CONDUIT.
M-30c	RTI OIL RETURN PIPING STUB OUT WALL AT 24" AFF AND CONNECT TO GREASE COLLECTOR. G.C. TO PIPE TO TANKS VERIFY WITH THE ARCHITECT/MEP ENGINEER FOR ANY IN WALL CONDUIT.
M-31	CO2 FILL BOX AT 36" ABOVE SIDE WALK. G.C. TO PIPE TO TANK LOCATED IN KITCHEN.
M-33	SODA TRUNK LINE FROM BAG N BOX, STUB UP LOCATION (TWO LOCATIONS). VERIFY WITH THE ARCHITECT/MEP ENGINEER FOR ANY IN WALL OR UNDERGROUND CONDUIT.
M-223	BEER TRUNK LINE FROM WALK IN, STUB UP LOCATION (TWO LOCATIONS). VERIFY WITH THE ARCHITECT/MEP ENGINEER FOR ANY IN WALL OR UNDERGROUND CONDUIT.
M-234	CHILLED WATER FROM BEER TRUNK LINE STUB UP LOCATION (ONE LOCATION). VERIFY WITH THE ARCHITECT/MEP ENGINEER FOR ANY IN WALL OR UNDERGROUND CONDUIT.

CONDUIT SCHEMATIC - UNDER FLOOR


DETAIL IS NOT TO SCALE * FOR SCHEMATIC PURPOSE ONLY
FIELD VERIFY EXACT LENGTHS & LOCATIONS
OF CONDUIT RUNS
FINISHED FLOOR
SEE SIZING CHART BELOW
FOR PIPE SIZE REQ'D
"A"
24"
24" MINIMUM RADIUS

"A" (MIN. INSIDE DIA.)	MAXIMUM TRUNK HOUSING LINE QTY.
6.0"	9 LINES OR LESS
8.0"	10 - 12 LINES
10.0"	16, 20 & 24 LINES

CONDUIT NOTES:

1 CONDUIT TO BE PROVIDED BY GENERAL CONTRACTOR
2 CONDUIT TYPE SHALL BE GREY ELECTRICAL PVC
3 CONDUIT RUNS UNDER GROUND MUST HAVE A SMOOTH INTERIOR WITH MINIMUM INSIDE DIMENSION OF SIX INCHES, AND HAVE ONLY ONE (1) 24" OR 30" RADIUS SWEEP BEND (45 or 90 DEGREES) AT EACH END
4 DURING CONSTRUCTION, CONDUIT TO BE FINISHED AT 24"-AFF TO BE CONSTRUCTED WITH INTERNALLY SMOOTH, LEAK TIGHT JOINTS
5 CONDUIT TO BE CAPPED AND SEALED AT BOTH ENDS DURING CONSTRUCTION. INSTALLER TO TRIM EXPOSED ENDS
6 AFTER PRODUCT LINES ARE INSTALLED, THE OPEN ENDS OF THE CONDUIT ARE TO BE FILLED AND SEALED (WATERTIGHT) APPROXIMATELY 2" TO 4" @ EACH END

FOODSERVICE SPECIAL CONDITIONS PLAN

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

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11-25-2020

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DRAWN BY:	APPROVED BY:
MSH	SD

SHEET TITLE:
KITCHEN EQUIPMENT
SPECIAL
CONDITIONS PLAN

SHEET NUMBER:
QF401

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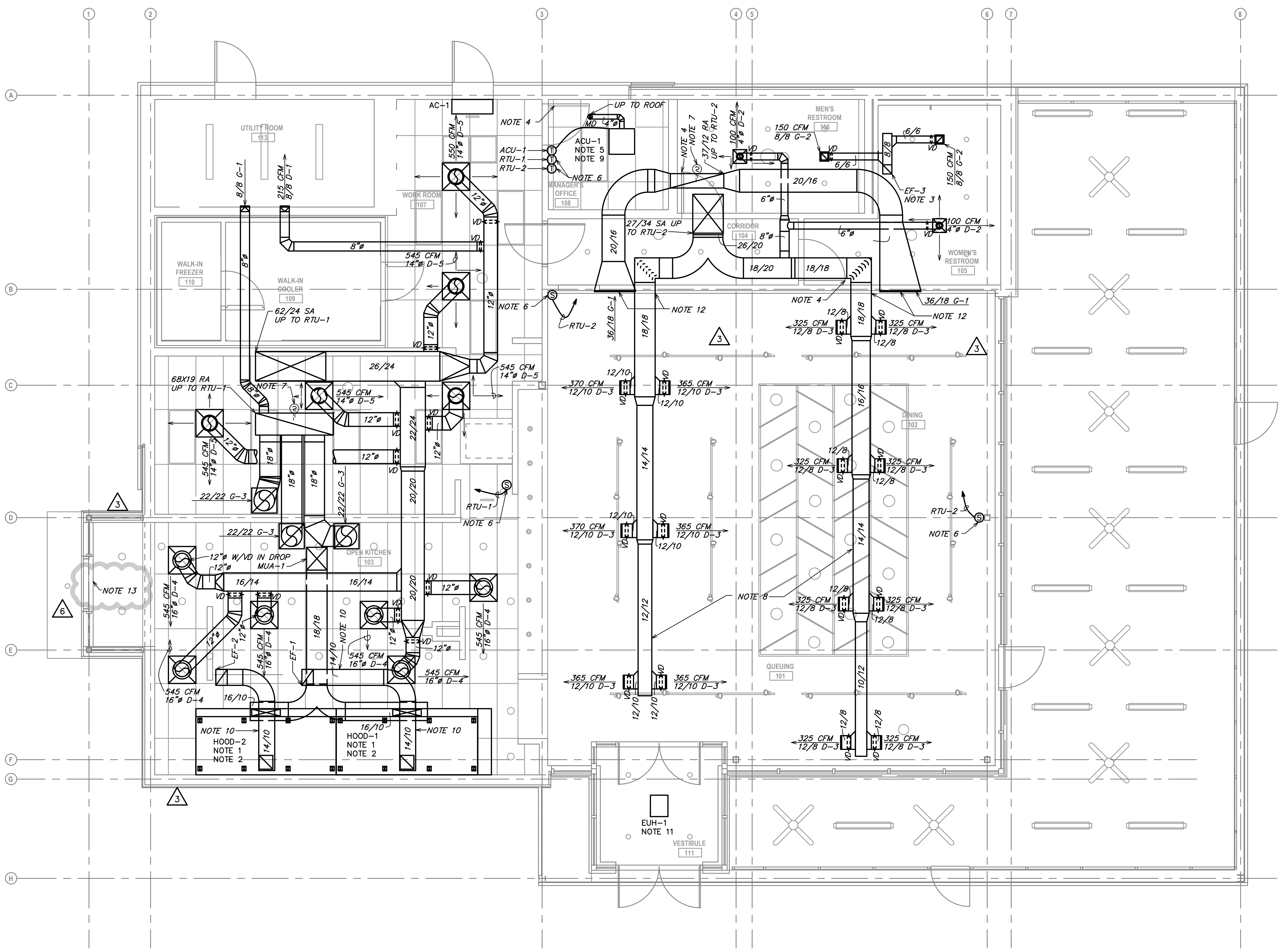

1 MECHANICAL FLOOR PLAN

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

GENERAL NOTES:

A. EXISTING CONDITIONS ARE BASED ON RECORD DRAWINGS PROVIDED BY THE OWNER. CONTRACTOR SHALL ADJUST TO ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE PROJECT.

B. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO SUBMITTING THE BID. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR ANY EXTRAS DUE TO THE CONTRACTOR'S FAILURE TO VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID. ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER FOR RESOLUTION.

C. ALL CONTRACTORS SHALL REVIEW A COMPLETE SET OF CONSTRUCTION DOCUMENTS.

D. CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH DEMOLITION WORK PRIOR TO BIDDING AND START OF WORK. CONTRACTOR IS RESPONSIBLE TO DEMOLISH ALL EXISTING AS REQUIRED FOR INSTALLATION/CONSTRUCTION OF NEW WORK.

E. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE GOVERNMENT AND LOCAL CODES.

F. MECHANICAL CONTRACTOR SHALL FIELD COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL POWER REQUIREMENTS.

G. ALL CONTRACTORS SHALL REVIEW A COMPLETE SET OF CONSTRUCTION DOCUMENTS AND COOPERATE WITH THE OTHER TRADES SO THAT THE INSTALLATION OF ALL EQUIPMENT MAY BE PROPERLY COORDINATED.

H. ALL EQUIPMENT FURNISHED SHALL FIT THE SPACE AVAILABLE WITH CONNECTIONS IN THE REQUIRED LOCATIONS AND WITH ADEQUATE SPACE FOR OPERATING AND SERVICING. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATE THE INTENT OF THE INSTALLATION WHILE THE SPECIFICATIONS AND EQUIPMENT LIST DENOTE THE TYPE AND QUALITY OF MATERIAL AND WORKMANSHIP TO BE USED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. WHERE A CONFLICT EXISTS BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THE HIGHER AND/OR MORE COSTLY STANDARD WILL APPLY. THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER WHOSE DECISION SHALL BE FINAL. NO ALLOWANCE WILL BE MADE SUBSEQUENTLY IN THIS REGARD ON BEHALF OF THE CONTRACTOR AFTER AWARD OF THE CONTRACT.

I. COORDINATE DUCT ROUTING AND HEIGHTS WITH GENERAL CONTRACTOR. VERIFY ALL CLEARANCES BEFORE STARTING WORK.

J. THE CONTRACTOR SHALL INSTALL ALL PIPING, DUCTWORK AND EQUIPMENT AS REQUIRED TO CONFORM TO THE STRUCTURE, AVOID OBSTRUCTIONS, PRESERVE CEILING HEIGHTS AND HEADROOM AND MAKE ALL EQUIPMENT REQUIRING MAINTENANCE OR REPAIR ACCESSIBLE.

K. ALL DUCT CONNECTIONS TO HVAC EQUIPMENT MUST BE MADE WITH FLEXIBLE CONNECTORS.

L. DO NOT ATTACH ANYTHING TO DECK ABOVE. ATTACH TO STRUCTURE (i.e. BEAMS, JOISTS) ONLY. DUCT HANGERS SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODE. ALL CONNECTIONS TO JOISTS SHALL BE MADE AT THE TOP CORD.

M. ALL DUCT DIMENSIONS INDICATED ARE CLEAR INSIDE DIMENSIONS. ALL SUPPLY AND UNTEMPERED OUTDOOR AIR DUCTWORK SHALL BE LINED WITH 1" ACOUSTICAL DUCT LINER OR WRAPPED WITH 1-1/2" THICK FIRE RETARDANT FIBERGLASS WITH A REINFORCED ALUMINUM FOIL JACKET AND SHALL BE APPROVED FOR USE BY SMACNA AND NAIMA. RETURN AIR TRANSFER DUCTS AND RETURN DUCTWORK WITHIN 10 FEET OF THE UNIT FAN SHALL BE LINED WITH 1" ACOUSTICAL DUCT LINER.

N. ALL SUPPLY AND UNTEMPERED OUTDOOR AIR DUCTWORK VISIBLE TO THE PUBLIC SHALL BE INTERNALLY LINED AND PAINTED TO MATCH THE SURROUNDING AREA. DUCT WRAP INSULATION IS NOT PERMITTED IN THESE AREAS.

O. EXPOSED SPIRAL DUCT TO BE GALVANIZED FINISH, FREE FROM SCRATCHES, DENTS OR BLEMISHES AND PAINTED TO MATCH THE SURROUNDING AREA. DUCT SHALL BE INTERNALLY LINED AND SEALED WITH DUCT SEALER COMPLETELY CONCEALED WITHIN THE DUCT JOINT. NO EXPOSED SEALER OR TAPE WILL BE ACCEPTED.

P. ALL EXPOSED DUCTWORK SHALL BE INSTALLED TIGHT TO THE BOTTOM OF THE STRUCTURE, THRU JOIST SPACE.

Q. PROVIDE REMOTE VOLUME DAMPER CONTROL MANUFACTURED BY YOUNG REGULATOR OR UNITED ENERTECH FOR DAMPERS LOCATED ABOVE INACCESSIBLE CEILINGS. LOCATE CONTROLLER ABOVE ACCESSIBLE CEILING LOCATION.

R. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL ACCESSORIES AS REQUIRED BY MANUFACTURER FOR COMPLETE WORKING SYSTEM, INCLUDING ANY ACCESSORIES ASSOCIATED WITH LONG LENGTH APPLICATIONS WHERE APPLICABLE.

S. TENANT'S CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIELD VERIFICATION OF ALL UTILITY RUNS AND/OR OTHER IMPROVEMENTS LOCATED ON THE PREMISES PRIOR TO BIDDING. TENANT'S CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL COSTS RELATING TO THE RELOCATION OF, DAMAGE TO, REPAIR OF ANY EXISTING UTILITY RUNS AND/OR IMPROVEMENTS WHICH ARE DAMAGED AS A RESULT OF TENANT'S WORK IN OR AROUND THE PREMISES.

T. ALL ROOFING WORK SHALL BE PERFORMED BY LANDLORD'S APPROVED ROOFING CONTRACTOR AT TENANT'S EXPENSE, IF REQUIRED IN LEASE OR TENANT CRITERIA MANUAL.

U. ALL GREASE EXHAUST DUCTWORK SHALL BE PROVIDED WITH 3" FOIL FACED THERMAL-CERAMIC INSULATION FOR GREASE DUCTS. INSULATION SHALL MEET NFPA 96 AND ASTM E 2336 REQUIREMENTS.

V. GREASE DUCT LEAKAGE TESTING MUST BE PERFORMED PRIOR TO CONCEALMENT OF THE DUCTWORK.

W. MECHANICAL CONTRACTOR SHALL PROVIDE TENANT WITH A WRITTEN ONE (1) YEAR MANUFACTURER'S WARRANTY ON ALL HVAC EQUIPMENT PROVIDED AND / OR INSTALLED. THE WARRANTY SHALL INCLUDE ALL LABOR, MATERIALS AND THREE (3) ROUTINE SERVICES INCLUDING FILTER CHANGES DURING A ONE (1) YEAR PERIOD.

X. AT THE COMPLETION OF CONSTRUCTION AN NEBB, AABC OR TABB CERTIFIED AIR BALANCE REPORT SHALL BE SUBMITTED TO THE ENGINEER AND LANDLORD. THE BALANCING SHALL BE COMPLETED BY NATIONAL TAB. CONTACT WILL TURNBOURH AT WILL@NATIONALTAB.COM OR 314-954-6244.

HVAC NOTES:

1. NEW HALTON GREASE EXHAUST HOOD TO BE FURNISHED BY OWNER FOR INSTALLATION BY THE MECHANICAL CONTRACTOR. SEE HALTON SHEETS M701 THROUGH M705 FOR ADDITIONAL INFORMATION. BALANCE HOOD MAKE-UP AIR AND EXHAUST COLLARS AS NOTED ON THE HOOD SCHEDULE. PROVIDE FULL SIZE TRANSITION MAKE-UP AIR DUCT FROM COLLAR TO MAKE-UP AIR MAIN DUCT AS INDICATED ON PLANS.
2. TRANSITION FROM HOOD EXHAUST COLLAR AS INDICATED ON PLANS AND EXTEND 12/12 KITCHEN HOOD GREASE EXHAUST DUCTWORK UP TO GREASE EXHAUST FAN ON ROOF. SEE SHEET M150 FOR CONTINUATION. GREASE DUCT SHALL BE WRAPPED WITH TWO (2) LAYERS OF THERMAL CERAMICS FAST WRAP XL, 1 1/2" THICK WITH 3" PERIMETER AND LONGITUDINAL OVERLAPS OR EQUIVALENT U.L. LISTED GREASE DUCT WRAP FOR ZERO CLEARANCE TO COMBUSTIBLES. REFER TO DETAIL ON SHEET M501 FOR ADDITIONAL INFORMATION.
3. PROVIDE 8/8 EXHAUST AIR DUCT UP TO EF-3 ON ROOF.
4. CONTRACTOR SHALL UNDERCUT DOOR 3/4".
5. PROVIDE REFRIGERANT LINES FROM ASHP-1 ON ROOF TO ACU-1 IN ROOM 108. LINES SHALL BE SIZED ACCORDING TO MANUFACTURER'S SPECIFICATIONS. PROVIDE ALL ACCESSORIES AS REQUIRED BY MANUFACTURER FOR COMPLETE WORKING SYSTEM, INCLUDING ANY ACCESSORIES ASSOCIATED WITH LONG LENGTH APPLICATIONS WHERE APPLICABLE.
6. PROVIDE NEW FULLY DIGITAL 7 DAY PROGRAMMABLE TYPE THERMOSTAT WITH REMOTE SENSING CAPABILITIES, AUTO CHANGE OVER AND AUTO SET BACK. MOUNT THERMOSTAT AT 48" ABOVE FINISHED FLOOR. THERMOSTATS SERVING THE SAME TEMPERATURE ZONE SHALL BE INTERLOCKED TO PREVENT SIMULTANEOUS HEATING AND COOLING. PROVIDE REMOTE TEMPERATURE SENSORS AS INDICATED ON PLAN. COORDINATE LOCATION WITH WALL GRAPHICS LAYOUT.
7. DUCT SMOKE DETECTOR ON RETURN SIDE DUCT AND SHUTDOWN RELAY SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR FOR INSTALLATION BY THE MECHANICAL CONTRACTOR. ALL WIRING SHALL BE BY THE ELECTRICAL CONTRACTOR.
8. ROUTE EXPOSED SUPPLY DUCT CENTER AT 12'-6" ABOVE FINISHED FLOOR. COORDINATE ROUTING AND MOUNTING HEIGHT WITH LIGHTING FIXTURES/FEATURES. TYPICAL OF EXPOSED DUCTWORK. NOTIFY ARCHITECT REGARDING ANY CONFLICT.
9. 3 PROVIDE NEW ACU AS NOTED ON PLANS AND AS SCHEDULED ON SHEET M601.
10. PROVIDE CLEANOUTS ON GREASE EXHAUST DUCTWORK AS REQUIRED BY CODE. REFERENCE SHEET M501, DETAIL 5, FOR ADDITIONAL INFORMATION.
11. ELECTRIC UNIT HEATERS ARE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. REFERENCE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
12. COORDINATE ANY DUCTWORK PENETRATIONS OR EQUIPMENT MOUNTING WITH ARCHITECT TO AVOID FUTURE FEATURE ITEM. NOTIFY ARCHITECT OF ANY CONFLICT OR COORDINATION ISSUES.
13. 3 6 AIR CURTAIN FOR SERVICE THRU WINDOW IN INTEGRAL TO THE WINDOW. REFER TO ARCHITECTURAL SHEETS FOR ADDITIONAL INFORMATION.

Bergmeyer

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SE JOB#: 200383

SEAL/ SIGNATURE:

STATE OF MISSOURI
GREGORY ROY SCHNACKEL
NUMBER
E-026570
REGISTERED PROFESSIONAL ENGINEER

Date: 08/09/21
COA #: E-2009006642

NO.	BY	DATE	DESCRIPTION
6		2021-08-09	FIELD NOTICE #3
5		2021-05-17	FIELD NOTICE #2
4		2021-05-03	FIELD NOTICE #1
3		2021-04-26	ISSUED FOR CONSTRUCTION
2		2021-03-31	ADDENDUM #2
1		2021-03-09	ADDENDUM #1
		2021-01-11	PERMIT/BID SET
		2020-12-21	75% SET
		2020-10-12	DD SET

SHAKE SHACK®

SHAKE SHACK - LEE'S SUMMIT MO

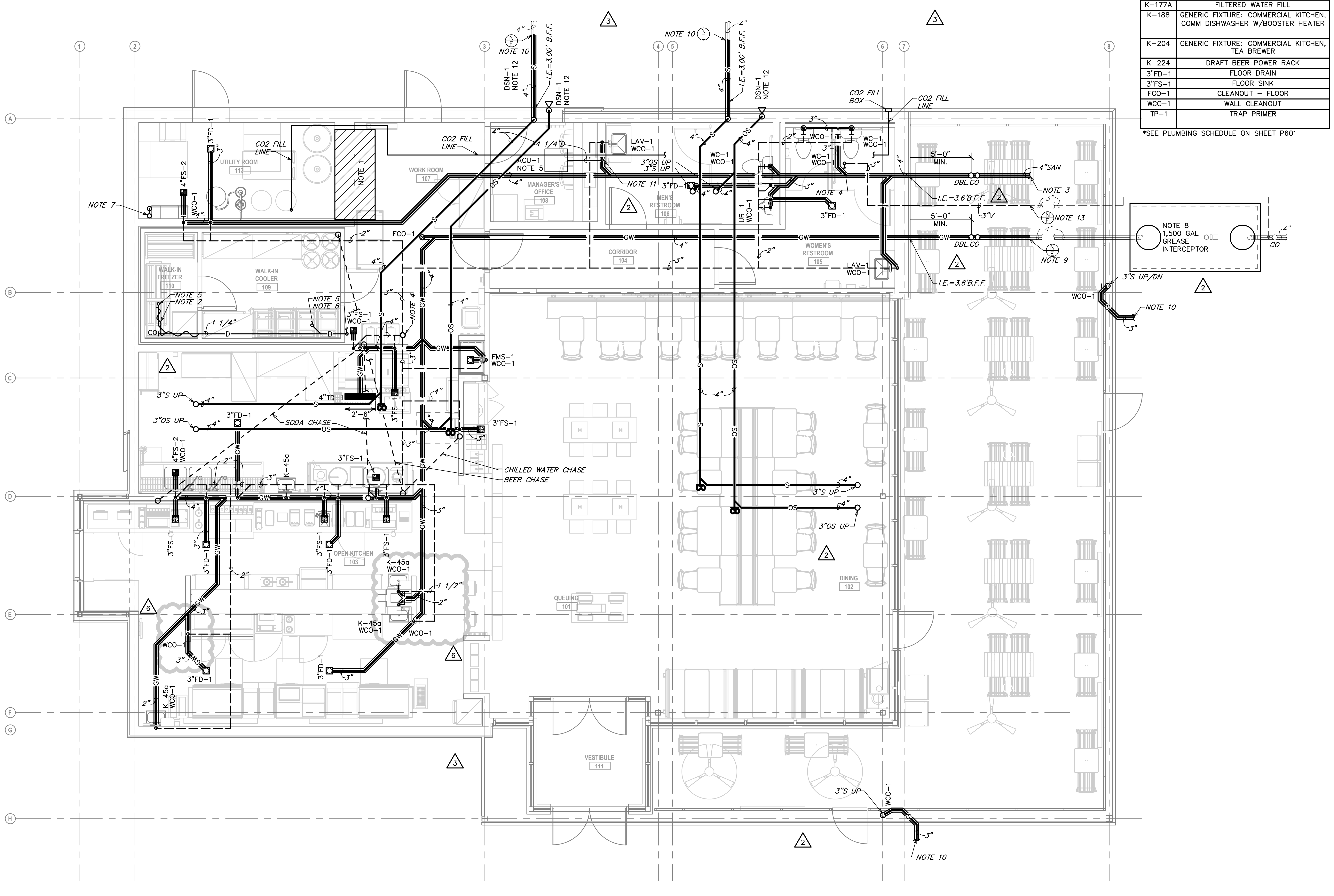
LEE'S SUMMIT
MISSOURI
SHACK #1348

PERMIT/BID SET

MECHANICAL FLOOR PLAN

DRAWN BY: RAS
CHECKED BY: GRS
JOB NO: 20068.00

M101



1 PLUMBING WASTE & VENT PLAN

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

CONTRACTOR SHALL COORDINATE ALL KITCHEN EQUIPMENT UTILITY CONNECTIONS WITH MANUFACTURER INSTALLATION INSTRUCTIONS, OWNER, AND ARCHITECT PRIOR TO INSTALLATION.

PLUMBING FIXTURE SCHEDULE

Mark	
WC-1	WATER CLOSETS
LAV-1	LAVATORIES
UR-1	URINAL
WH-1	WALL HYDRANT
RH-1	ROOF HYDRANT
K-36	GENERIC FIXTURE: COMMERCIAL KITCHEN, COMMERCIAL ICE MACHINE
K-40	FLOOR MOP SINK
K-45A	GENERIC FIXTURE: COMMERCIAL KITCHEN, KITCHEN HAND SINK
K-46A	GENERIC FIXTURE: COMMERCIAL KITCHEN, KITCHEN HAND SINK
K-60A	GENERIC FIXTURE: COMMERCIAL KITCHEN, 3-COMP SINK
K-60B	GENERIC FIXTURE: COMMERCIAL KITCHEN, 3-COMP SINK
K-63	GENERIC FIXTURE: COMMERCIAL KITCHEN, COMM DISHWASHER W/CHEMICAL SANITATION
K-70A	GENERIC FIXTURE: COMMERCIAL KITCHEN, PREP SINK
K-160	CUSTARD MACHINE
K-171	GENERIC FIXTURE: COMMERCIAL KITCHEN, DIPPER WELL
K-177	GENERIC FIXTURE: COMMERCIAL KITCHEN, PREP SINK
K-177A	FILTERED WATER FILL
K-188	GENERIC FIXTURE: COMMERCIAL KITCHEN, COMM DISHWASHER W/BOOSTER HEATER
K-204	GENERIC FIXTURE: COMMERCIAL KITCHEN, TEA BREWER
K-224	DRAFT BEER POWER RACK
3"FD-1	FLOOR DRAIN
3"FS-1	FLOOR SINK
FCO-1	CLEANOUT - FLOOR
WCO-1	WALL CLEANOUT
TP-1	TRAP PRIMER

*SEE PLUMBING SCHEDULE ON SHEET P601

GENERAL NOTES:

A. THE EXISTING CONDITIONS ARE BASED ON "AS-BUILT" DRAWINGS AND/OR LIMITED FIELD VERIFICATIONS. THE CONTRACTOR SHALL ADJUST TO ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE PROJECT. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR ANY EXTRAS DUE TO THE CONTRACTOR'S FAILURE TO VISIT THE PROJECT SITE AND/OR PREDETERMINATION OF EXISTING CONDITIONS PRIOR TO SUBMITTING THE BID. ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION.

B. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE INCIDENTAL DEMOLITION WORK PRIOR TO BIDDING AND COMMENCEMENT OF WORK. THE CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF ALL EXISTING EQUIPMENT AS REQUIRED FOR THE INSTALLATION/CONSTRUCTION OF NEW WORK.

C. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE GOVERNMENTAL AND LOCAL CODE REQUIREMENTS.

D. PROVIDE ACCESS PANELS AS REQUIRED TO ALLOW ACCESS TO VALVES, EQUIPMENT, ETC. LOCATED ABOVE INACCESSIBLE CEILINGS AND WALL CAVITIES.

E. ALL SANITARY LINES AND PLUMBING FIXTURES ON THE PROJECT SHALL HAVE AN APPROVED MEANS OF SEWAGE BACKFLOW PREVENTION. FIXTURE SPECIFIC BACKFLOW PREVENTION INCLUDING AIR GAPS AND VACUUM BREAKERS ARE AN ACCEPTABLE MEANS OF BACKFLOW PREVENTION.

F. PIPE SIZES INDICATED ON THE PLANS ARE MINIMUM. THE CONTRACTOR SHALL PROVIDE PIPE SIZES EQUAL TO OR GREATER THAN THE SPECIFIED SIZES. THE CONTRACTOR MAY INCREASE PIPE SIZES AS REQUIRED AT NO ADDITIONAL EXPENSE TO THE PROJECT.

G. REFER TO THE PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL PLUMBING FIXTURE CONNECTION SIZE REQUIREMENTS.

H. COORDINATE ALL SLAB PENETRATIONS WITH GENERAL CONTRACTOR PRIOR TO CONSTRUCTION. MAINTAIN A MINIMUM OF 2" CLEARANCE FROM THE EDGE OF THE SLAB OPENING TO ANY STRUCTURAL MEMBERS AND PIPES.

I. SLEEVE OR CORE-DRILL FLOOR SLABS, WALLS, ETC. AS REQUIRED FOR PIPING AND FIRE-STOP OPENING AROUND PIPE. VERIFY LOCATION OF STRUCTURAL BEAMS, JOISTS, ETC. BEFORE DRILLING.

J. THE CONTRACTOR SHALL OBTAIN A COPY OF THE LANDLORD'S TENANT CRITERIA MANUAL PRIOR TO BIDDING. THE TENANT CRITERIA MANUAL REQUIREMENTS SHALL BE INCLUDED IN THE CONTRACTOR CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH THE LANDLORD REQUIREMENTS AT NO ADDITIONAL EXPENSE TO THE PROJECT.

K. PROVIDE TEMPORARY COVERS, CAPS, OR PLUGS ON SANITARY SEWER SYSTEM THROUGHOUT THE DURATION OF CONSTRUCTION. RAG WADS, DUCT TAPE, OR OTHER SIMILAR METHODS OF TEMPORARY COVERS SHALL NOT BE UTILIZED. UPON COMPLETION OF CONSTRUCTION, COMPLETELY REMOVE ANY AND ALL OBSTRUCTIONS INSIDE THE ENTIRE SYSTEM BY SNAKING, RODING, OR JETTING THE SYSTEM IMMEDIATELY PRIOR TO PROJECT TURNOVER TO THE OWNER.

L. ALL BELOW GRADE SANITARY LINES SHALL BE A MINIMUM OF 2" OR IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS.

M. SANITARY TEE FITTINGS SHALL NOT BE INSTALLED IN DRAIN, WASTE, AND VENT (DWV) SYSTEMS.

N. INSTALL SANITARY PIPING 2 1/2" OR SMALLER AT A SLOPE OF 1/4" PER FOOT AND SANITARY PIPING 3" AND LARGER AT A SLOPE OF 1/8" PER FOOT.

O. INSTALL GREASE WASTE PIPING AT A SLOPE OF 1/4" PER FOOT.

P. THE PLUMBING CONTRACTOR SHALL PROVIDE HEAT TRACING TAPE AND INSULATION AS REQUIRED FOR ALL PIPING INSTALLED WITHIN WALK-IN FREEZERS TO PREVENT PIPING FROM FREEZING. COORDINATE THE INSTALLATION OF THE HEAT TRACING WITH THE ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION.

Q. PROVIDE INDIRECT DRAINAGE ON ALL KITCHEN EQUIPMENT PER LOCAL JURISDICTION REQUIREMENTS. REFER TO FOOD SERVICE PLANS FOR ADDITIONAL DRAINAGE REQUIREMENTS.

PLUMBING NOTES:

1. THIS SPACE IS RESERVED FOR ELECTRICAL EQUIPMENT. NO PIPING SHALL PASS BELOW, ABOVE, OR AROUND ELECTRICAL EQUIPMENT. PROVIDE CODE REQUIRED MINIMUM CLEARANCE ABOVE ELECTRICAL EQUIPMENT ACCESS SPACE.
2. FURNISH AND INSTALL HEAT TRACE BEFORE PIPE INSULATION IS INSTALLED. HEAT TRACE SHALL BE CHROMALOX SRL AND SHALL BE INSTALLED WHERE SHOWN ON THE PLANS. COORDINATE INSTALLATION WITH ELECTRICAL CONTRACTOR.
3. CONNECT THE NEW SANITARY SEWER TO THE EXISTING SANITARY SEWER OF EQUAL OR GREATER SIZE. FIELD VERIFY THE EXACT LOCATION, SIZE, AND INVERT ELEVATION OF THE EXISTING SANITARY SEWER PRIOR TO CONSTRUCTION. ADJUST THE NEW SANITARY SEWER AS REQUIRED TO ALLOW FOR CONNECTION TO THE EXISTING SANITARY SEWER SYSTEM. MAINTAIN CODE MINIMUM PIPE SLOPES.
4. UP TO 4"VTR
5. PIPE GRAVITY PRIMARY CONDENSATE FROM EQUIPMENT TO CODE COMPLIANT DISPOSAL POINT. THE CONDENSATE SHALL BE CONNECTED TO THE EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. DISCHARGE SHALL BE THROUGH A CODE APPROVED AIR GAP. THE PIPE ROUTING INDICATED ON THE PLANS IS FOR REFERENCE ONLY. INSTALL THE PIPING AS HIGH AS POSSIBLE AND COORDINATE ROUTING WITH STRUCTURAL, MECHANICAL, ELECTRICAL, ETC. CONDENSATE SHALL NOT BE RUN OVER ELECTRICAL EQUIPMENT.
6. ROUTE CONDENSATE DRAIN TO DISCHARGE INTO SANITARY WASTE MAINTAINING A CODE APPROVED AIR GAP.
7. FURNISH AND INSTALL 4" DIAMETER PVC COMBUSTION AIR AND EXHAUST FROM THE WATER HEATER TO THE EXTERIOR. FURNISH AND INSTALL CONCENTRIC VENT KIT. THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ALL APPLICABLE LOCAL AND STATE CODES. COORDINATE THE MAXIMUM ALLOWABLE EXHAUST AND VENT LENGTHS WITH THE MANUFACTURER'S REQUIREMENTS. INSTALL CONCENTRIC VENT THROUGH ROOF A MINIMUM DISTANCE OF 15'-0" FROM ALL FRESH AIR INLETS AND BUILDING OPENINGS.
8. GREASE INTERCEPTOR. LANDLORD TO PROVIDE 1,500 GALLON GREASE INTERCEPTOR, JENSEN JP1500. PROVIDE SAMPLING BOX PER JURISDICTION REQUIREMENTS. INSTALL PER MANUFACTURER'S REQUIREMENTS. PROVIDE EXTENTIONS AS NEEDED TO MEET REQUIRED GRADE ELEVATION. PROVIDE H-20 HEAVY TRAFFIC RATED COVERS. PROVIDE VENT BELOW GRADE BACK TO BUILDING WITH WALL CLEANOUT AND ROUTE UP THROUGH ROOF.
9. CONNECT THE NEW GREASE WASTE TO THE EXISTING GREASE WASTE LINE OF EQUAL OR GREATER SIZE. FIELD VERIFY THE EXACT LOCATION, SIZE, AND INVERT ELEVATION OF THE EXISTING GREASE WASTE LINE PRIOR TO CONSTRUCTION. ADJUST THE NEW GREASE WASTE AS REQUIRED TO ALLOW FOR CONNECTION TO THE EXISTING GREASE WASTE SYSTEM. MAINTAIN CODE MINIMUM PIPE SLOPES.
10. CONNECT THE NEW STORM SEWER TO THE EXISTING STORM SEWER OF EQUAL OR GREATER SIZE. FIELD VERIFY THE EXACT LOCATION, SIZE, AND INVERT ELEVATION OF THE EXISTING STORM SEWER PRIOR TO CONSTRUCTION. ADJUST THE NEW STORM SEWER AS REQUIRED TO ALLOW FOR CONNECTION TO THE EXISTING STORM SEWER SYSTEM. MAINTAIN CODE MINIMUM PIPE SLOPES.
11. DISCHARGE CONDENSATE INTO LAVATORY TAIL PIECE.
12. MOUNT THE DOWNSPOUT NOZZLE AT A MINIMUM OF 1'-6" ABOVE FINISHED GRADE.
13. CONNECT THE NEW VENT TO THE EXISTING VENT SYSTEM TERMINATING THROUGH THE ROOF. FIELD VERIFY THE EXACT SIZE AND LOCATION OF THE EXISTING VENT THROUGH ROOF PRIOR TO SUBMITTING BID AND COMMENCING CONSTRUCTION.

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		2021-01-11	PERMIT/BID SET
		2020-12-21	75% SET
		2020-10-12	DD SET

SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

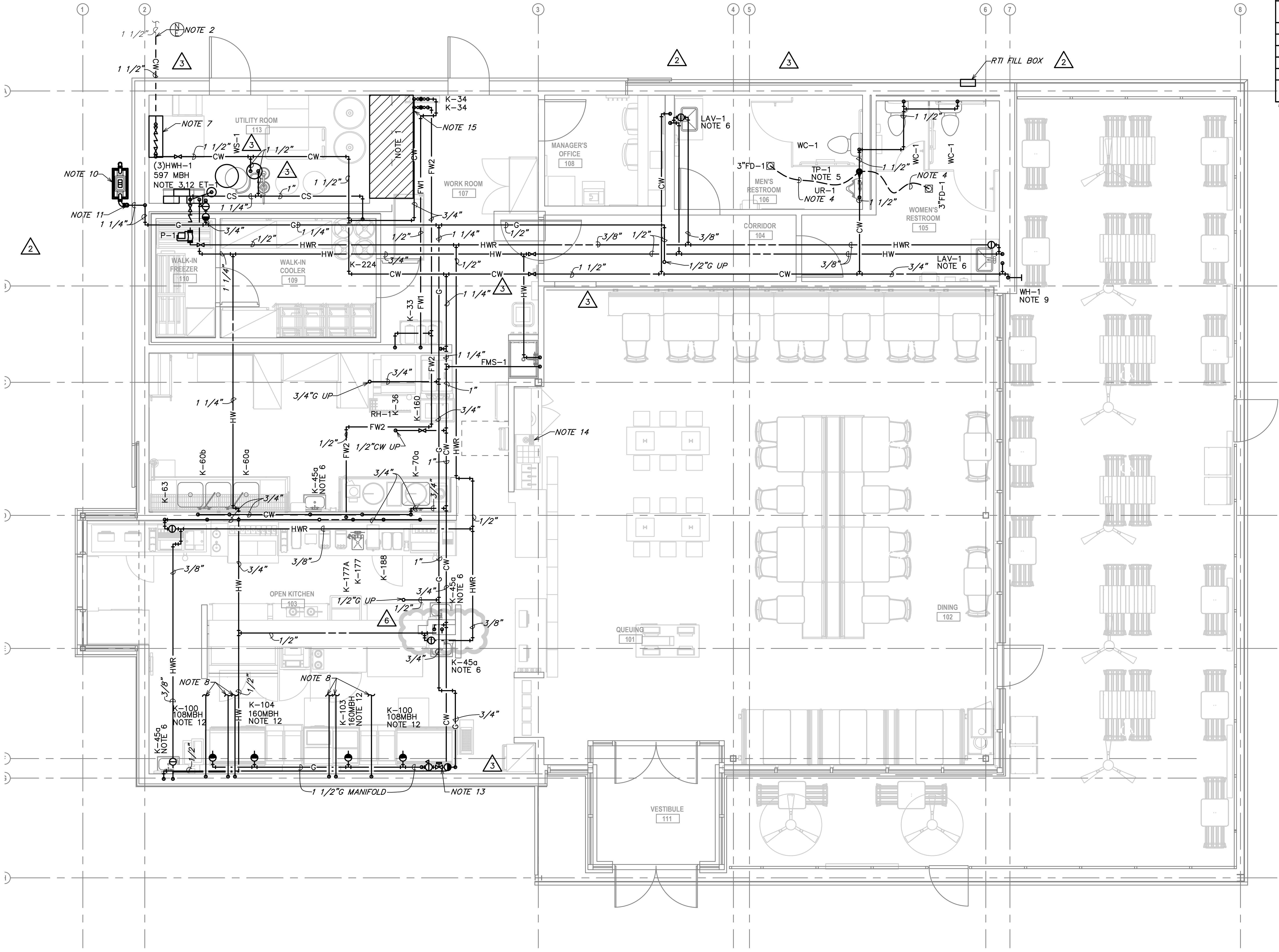
LEE'S SUMMIT
MISSOURI
SHACK #1348

PERMIT/BID SET

PLUMBING WASTE & VENT PLAN

DRAWN BY: MJS
CHECKED BY: GRS
JOB NO: 20068.00

P101



1 PLUMBING WATER & GAS PLAN

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

PLUMBING FIXTURE SCHEDULE	
Mark	
WC-1	WATER CLOSETS
LAV-1	LAVATORIES
UR-1	URINAL
WH-1	WALL HYDRANT
RH-1	ROOF HYDRANT
K-36	GENERIC FIXTURE: COMMERCIAL KITCHEN, COMMERCIAL ICE MACHINE
K-40	FLOOR MOP SINK
K-45A	GENERIC FIXTURE: COMMERCIAL KITCHEN, KITCHEN HAND SINK
K-46A	GENERIC FIXTURE: COMMERCIAL KITCHEN, KITCHEN HAND SINK
K-60A	GENERIC FIXTURE: COMMERCIAL KITCHEN, 3-COMP SINK
K-60B	GENERIC FIXTURE: COMMERCIAL KITCHEN, 3-COMP SINK
K-63	GENERIC FIXTURE: COMMERCIAL KITCHEN, COMM DISHWASHER W/CHEMICAL SANITATION
K-70A	GENERIC FIXTURE: COMMERCIAL KITCHEN, PREP SINK
K-160	CUSTARD MACHINE
K-171	GENERIC FIXTURE: COMMERCIAL KITCHEN, DIPPER WELL
K-177	GENERIC FIXTURE: COMMERCIAL KITCHEN, PREP SINK
K-177A	FILTERED WATER FILL
K-188	GENERIC FIXTURE: COMMERCIAL KITCHEN, COMM DISHWASHER W/BOOSTER HEATER
K-204	GENERIC FIXTURE: COMMERCIAL KITCHEN, TEA BREWER
K-224	DRAFT BEER POWER RACK
3"FD-1	FLOOR DRAIN
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FCO-1	CLEANOUT - FLOOR
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TP-1	TRAP PRIMER

*SEE PLUMBING SCHEDULE ON SHEET P601

GENERAL NOTES:

A. THE EXISTING CONDITIONS ARE BASED ON "AS-BUILT" DRAWINGS AND/OR LIMITED FIELD VERIFICATIONS. THE CONTRACTOR SHALL ADJUST TO ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE PROJECT. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR ANY EXTRAS DUE TO THE CONTRACTOR'S FAILURE TO VISIT THE PROJECT SITE AND/OR PREDETERMINATION OF EXISTING CONDITIONS PRIOR TO SUBMITTING THE BID. ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION.

B. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE INCIDENTAL DEMOLITION WORK PRIOR TO BIDDING AND COMMENCEMENT OF WORK. THE CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF ALL EXISTING EQUIPMENT AS REQUIRED FOR THE INSTALLATION/CONSTRUCTION OF NEW WORK.

C. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE GOVERNMENTAL AND LOCAL CODE REQUIREMENTS.

D. PROVIDE ACCESS PANELS AS REQUIRED TO ALLOW ACCESS TO VALVES, EQUIPMENT, ETC. LOCATED ABOVE INACCESSIBLE CEILINGS AND WALL CAVITIES.

E. ALL SANITARY LINES AND PLUMBING FIXTURES ON THE PROJECT SHALL HAVE AN APPROVED MEANS OF SEWAGE BACKFLOW PREVENTION. FIXTURE SPECIFIC BACKFLOW PREVENTION INCLUDING AIR GAPS AND VACUUM BREAKERS ARE AN ACCEPTABLE MEANS OF BACKFLOW PREVENTION.

F. PIPE SIZES INDICATED ON THE PLANS ARE MINIMUM. THE CONTRACTOR SHALL PROVIDE PIPE SIZES EQUAL TO OR GREATER THAN THE SPECIFIED SIZES. THE CONTRACTOR MAY INCREASE PIPE SIZES AS REQUIRED AT NO ADDITIONAL EXPENSE TO THE PROJECT.

G. REFER TO THE PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL PLUMBING FIXTURE CONNECTION SIZE REQUIREMENTS.

H. COORDINATE ALL SLAB PENETRATIONS WITH GENERAL CONTRACTOR PRIOR TO CONSTRUCTION. MAINTAIN A MINIMUM OF 2" CLEARANCE FROM THE EDGE OF THE SLAB OPENING TO ANY STRUCTURAL MEMBERS AND PIPES.

I. SLEEVE OR CORE-DRILL FLOOR SLABS, WALLS, ETC. AS REQUIRED FOR PIPING AND FIRE-STOP OPENING AROUND PIPE. VERIFY LOCATION OF STRUCTURAL BEAMS, JOISTS, ETC. BEFORE DRILLING.

J. THE CONTRACTOR SHALL OBTAIN A COPY OF THE LANDLORD'S TENANT CRITERIA MANUAL PRIOR TO BIDDING. THE TENANT CRITERIA MANUAL REQUIREMENTS SHALL BE INCLUDED IN THE CONTRACTOR CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH THE LANDLORD REQUIREMENTS AT NO ADDITIONAL EXPENSE TO THE PROJECT.

K. ALL HANDICAPPED ACCESSIBLE WATER CLOSETS SHALL HAVE THE FLUSHING HANDLE ON THE WIDE SIDE OF THE HANDICAPPED ACCESSIBLE STALL AS REQUIRED BY ADA REQUIREMENTS.

L. ALL PUBLIC USE LAVATORY FAUCETS SHALL HAVE AN AUTOMATIC SAFETY WATER MIXING DEVICE IN ACCORDANCE WITH ANSI/ASSE 1017 OR 1070 AS APPLICABLE.

PLUMBING NOTES:

1. THIS SPACE IS RESERVED FOR ELECTRICAL EQUIPMENT. NO PIPING SHALL PASS BELOW, ABOVE, OR AROUND ELECTRICAL EQUIPMENT. PROVIDE CODE REQUIRED MINIMUM CLEARANCE ABOVE ELECTRICAL EQUIPMENT ACCESS SPACE.
2. CONNECT THE NEW DOMESTIC COLD WATER LINE TO AN EXISTING COLD WATER LINE OF EQUAL OR GREATER SIZE. FIELD VERIFY THE EXACT LOCATION AND SIZE OF THE EXISTING WATER LINE PRIOR TO CONSTRUCTION. ADJUST THE NEW WATER LAYOUT AS REQUIRED TO ALLOW FOR CONNECTION TO THE EXISTING WATER SYSTEM.
3. FURNISH AND INSTALL WATER HEATER AND EXPANSION TANK ON HOUSEKEEPING PAD AS INDICATED ON THE PLANS. REFER TO ARCHITECTURAL PLANS FOR EXACT WATER HEATER LOCATION. PIPE WATER HEATER PRESSURE/TEMPERATURE RELIEF DISCHARGE TO THE NEAREST FLOOR DRAIN BELOW THE WATER HEATER IN ACCORDANCE WITH LOCAL REQUIREMENTS. PROVIDE A CODE APPROVED AIR GAP ON THE DISCHARGE OF THE WATER HEATER PRESSURE/TEMPERATURE RELIEF. REFER TO DETAILS SHEET FOR ADDITIONAL INFORMATION.
4. 1/2" FLEXIBLE CONTINUOUS TYPE "K" COPPER TUBING BELOW GRADE FROM TRAP PRIMER TO FLOOR DRAIN. NO FITTINGS OR SPLICES ARE ALLOWED BELOW GRADE.
5. INSTALL TRAP PRIMER PER MANUFACTURER'S REQUIREMENTS. COORDINATE EXACT LOCATION IN THE FIELD. FURNISH AND INSTALL A LOCKABLE, METAL ACCESS PANEL AS NECESSARY TO MAINTAIN EQUIPMENT.
6. PROVIDE THERMOSTATIC MIXING VALVE, POWERS #LFE480 OR EQUAL, BELOW FIXTURE. SET TEMPERATURE AS REQUIRED BY LOCAL JURISDICTION. THERMOSTATIC MIXING VALVE SHALL BE IN ACCORDANCE WITH ANSI/ASSE 1070.
7. THIS SPACE IS RESERVED FOR THE DOMESTIC WATER SERVICE ENTRANCE. REFER TO THE DETAIL SHEETS FOR ADDITIONAL INFORMATION. THE DOMESTIC WATER SERVICE ENTRANCE SHALL COMPLY WITH ALL STATE AND LOCAL REQUIREMENTS AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
8. PROVIDE 3/4" NPT STEEL PIPE INSIDE WALL. STUB 18" FROM WALL FOR CONNECT BY VENDOR. INSTALL PER VENDER RECOMMENDATIONS.
9. MOUNT THE WALL HYDRANT AT A MINIMUM OF 2'-0" ABOVE FINISHED GRADE.
10. NEW NATURAL GAS METER SERVING 1,993 MBH. THE SYSTEM DESIGN IS BASED ON 2 PSI DELIVERY PRESSURE WITH A PRESSURE DROP OF 1 PSI AND A TOTAL DEVELOPED LENGTH OF 115 FEET. THE CONTRACTOR SHALL COORDINATE THE METER PLACEMENT, AVAILABLE PRESSURE, AND ANY NEW SERVICE REQUIREMENTS WITH THE LOCAL UTILITY PRIOR TO CONSTRUCTION. IF THE DELIVERY PRESSURE INDICATED IS NOT AVAILABLE FROM THE UTILITY COMPANY, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY.
11. PROVIDE GAS TEST PORT TO TEST GAS PRESSURE PRIOR TO EQUIPMENT START UP. SEE DETAIL FOR MORE INFORMATION.
12. CONNECT NATURAL GAS SERVICE TO UNIT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. REFER TO DETAIL SHEET FOR ADDITIONAL INFORMATION. VERIFY EXACT LOCATION OF NATURAL GAS CONNECTION ON ROOFTOP UNIT WITH EQUIPMENT PRIOR TO PIPE INSTALLATION.
13. FURNISH AND INSTALL A UL LISTED EMERGENCY NATURAL GAS SHUTOFF VALVE MOUNTED BELOW THE FINISHED CEILING IN AN ACCESSIBLE LOCATION. THE SHUTOFF VALVE SHALL BE INTERLOCKED WITH THE EXHAUST HOOD AND SHALL HAVE A MANUAL RESET. COORDINATE EXACT VALVE TYPE WITH HOOD MANUFACTURER. THE VALVE SHALL BE PROVIDED AND INSTALLED BY THE PLUMBING CONTRACTOR AND SHALL BE INTERCONNECTED BY THE FIRE ALARM CONTRACTOR. COORDINATE THE VALVE LOCATION WITH THE CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
14. STUB UP BEVERAGE CONDUIT WITH CHILLED FW ABOVE SLAB AND ROUTE LINES TO WATER FILLER. REFERENCE ARCHITECTURAL AND KITCHEN DRAWINGS FOR INSTALLATION.
15. ALL PIPING DOWN STREAM OF BACKFLOW PREVENTER SHALL BE STAINLESS STEEL.

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NUMBER
E-026570

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		2020-12-21	75% SET
		2020-10-12	DD SET

SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

LEE'S SUMMIT
MISSOURI
SHACK #1348

PERMIT/BID SET

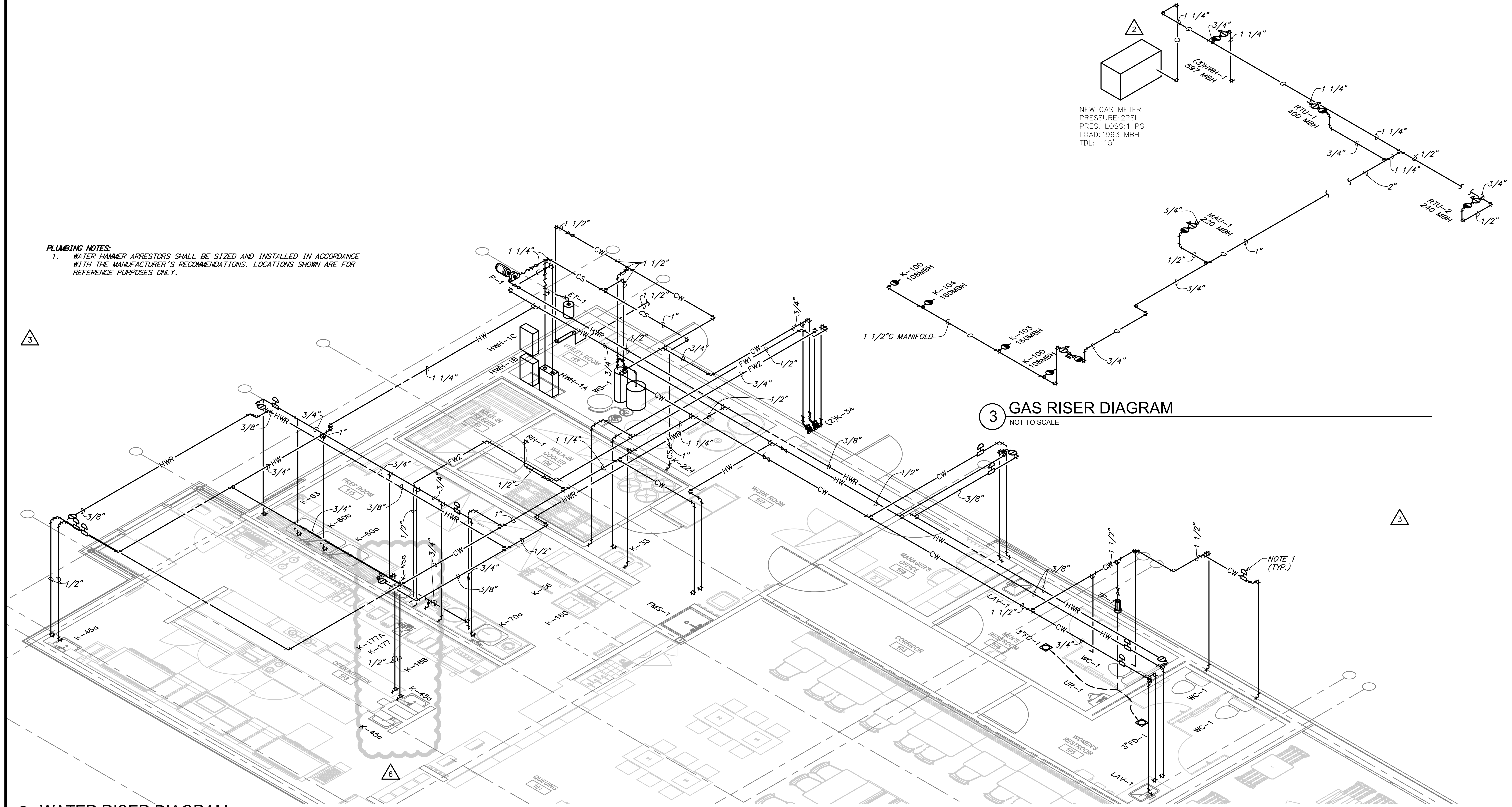
PLUMBING WATER & GAS PLAN

DRAWN BY: MJS
CHECKED BY: GRS
JOB NO: 20068.00

P120

PLUMBING NOTES:

1. WATER HAMMER ARRESTORS SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. LOCATIONS SHOWN ARE FOR REFERENCE PURPOSES ONLY.

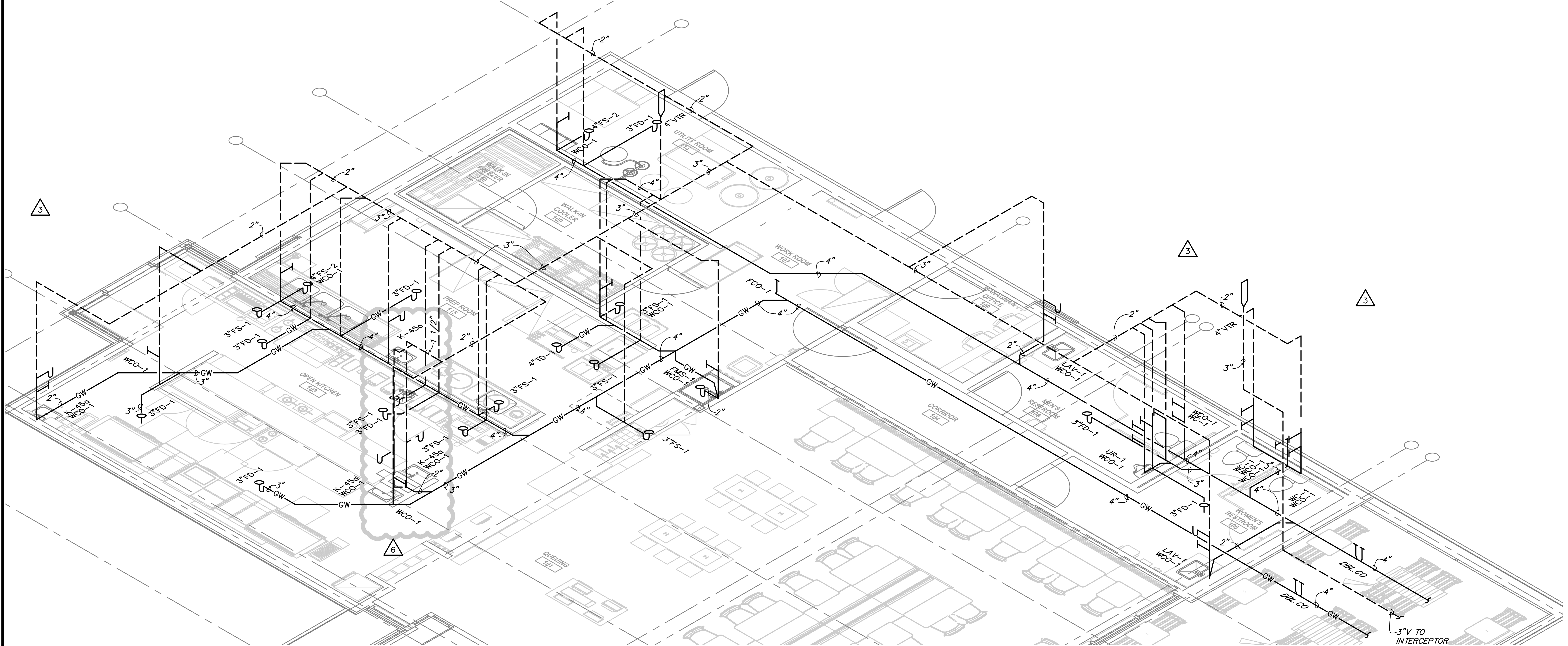

2
NEW GAS METER
PRESSURE: 2PSI
PRES. LOSS: 1 PSI
LOAD: 1993 MBH
TDL: 115'
(3)HWH-1
597 MBH
RTU-1
400 MBH
RTU-2
240 MBH
MAU-1
220 MBH
K-100
108MBH
K-104
160MBH
K-103
160MBH
1 1/2"G MANIFOLD
1 1/4"
3/4"
1/2"
2"
1"
3
P-1
ET-1
HWH-1C
HWH-1B
HWH-1A
WS-1
FW1
FW2
CW
HW
HWR
CS
K-63
K-60b
K-60a
K-45a
K-45a
K-177A
K-177
K-188
K-70a
K-160
K-36
K-33
K-224
FMS-1
LAV-1
WC-1
UR-1
3"FD-1
NOTE 1 (TYP.)
3/8"
6

3 GAS RISER DIAGRAM

NOT TO SCALE

2 WATER RISER DIAGRAM

NOT TO SCALE


3
3
3
6
2"
3"
4"
4"VTR
3"FS-2
3"FD-1
3"FS-1
4"FD-1
3"FS-1
WCO-1
GW
K-45a
FCO-1
FMS-1
LAV-1
UR-1
WC-1
DBL CO
3"V TO INTERCEPTOR

1 SANITARY RISER DIAGRAM

NOT TO SCALE

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SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

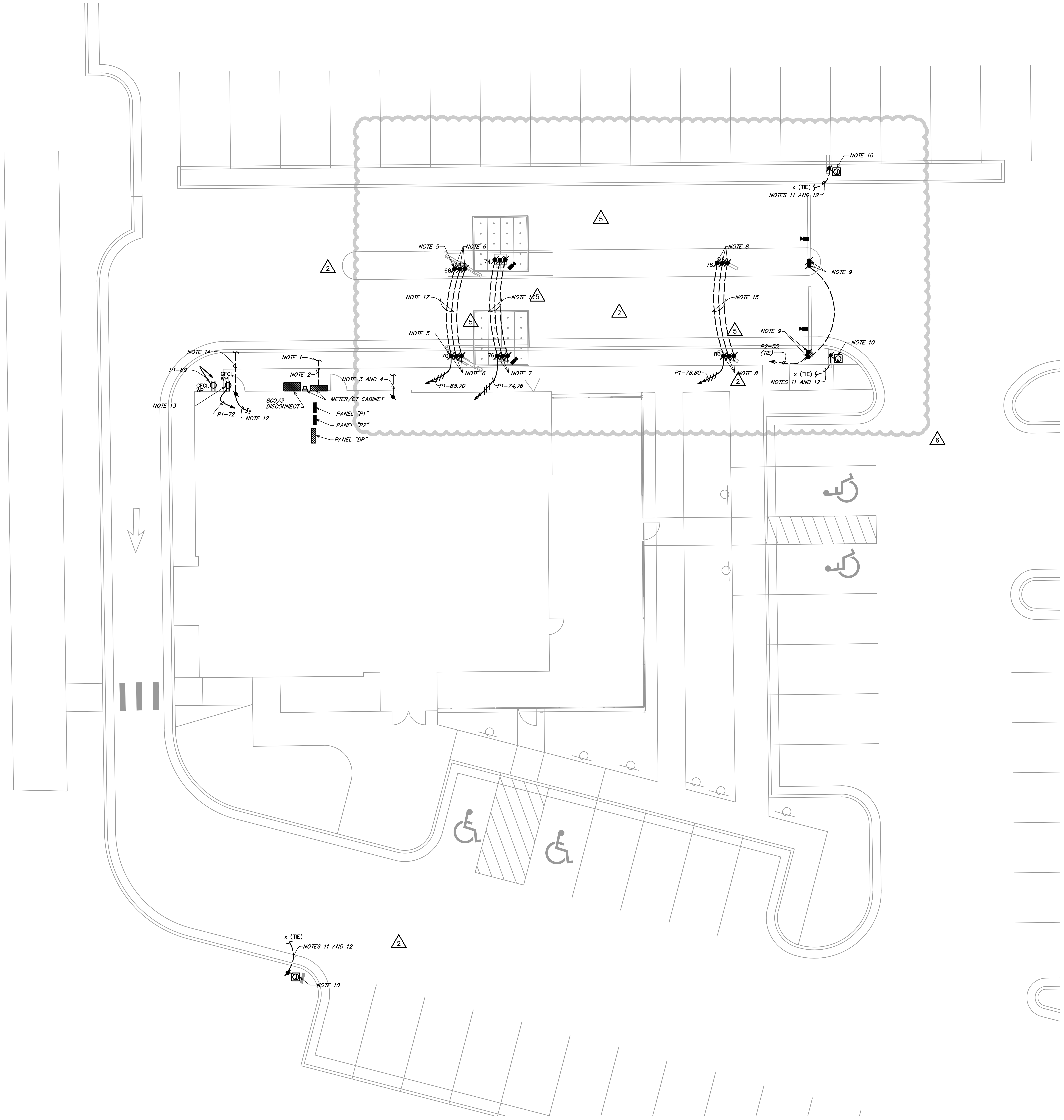
LEE'S SUMMIT
MISSOURI
SHACK #1348

PERMIT/BID SET

PLUMBING RISERS

DRAWN BY: MJS
CHECKED BY: GRS
JOB NO: 20068.00

P901



1 SITE ELECTRICAL PLAN

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

GENERAL ELECTRICAL NOTES:

- A. WHERE THE MECHANICAL DESIGN UTILIZES A PLENUM RETURN AIR CEILING DESIGN, ALL EQUIPMENT AND MATERIALS INSTALLED WITHIN THE PLENUM RETURN CEILING MUST MEET THE FLAME SPREAD AND SMOKE DEVELOPED RATINGS OF 25/50 AND BE APPROVED FOR USE IN PLENUM RETURN CEILINGS. COORDINATE PLENUM CEILING LOCATIONS WITH THE MECHANICAL CONTRACTOR.
- B. COORDINATE ALL DEVICE LOCATIONS AND CIRCUIT ROUTING WITHIN ANY MILLWORK WITH MILLWORK VENDOR PRIOR TO ROUGH-IN.
- C. COORDINATE THE CONNECTIONS OF ALL EQUIPMENT PROVIDED BY OTHERS WITH THE CONTRACTOR PROVIDING THE EQUIPMENT PRIOR TO ROUGH-IN. THIS INCLUDES, BUT IS NOT LIMITED TO, MECHANICAL EQUIPMENT, KITCHEN EQUIPMENT, AUDIO/VISUAL EQUIPMENT, FIRE SUPPRESSION SYSTEM EQUIPMENT, FIRE ALARM EQUIPMENT, ETC. PROVIDE THE APPROPRIATE DISCONNECTING MEANS FOR, AND TO MAKE THE FINAL CONNECTION TO, ANY HARDWIRED EQUIPMENT. THE ELECTRICAL CONTRACTOR IS ALSO RESPONSIBLE TO PROVIDE AN APPROPRIATE CORD AND PLUG FOR ANY CORD-AND-PLUG CONNECTED EQUIPMENT THAT IS NOT EQUIPPED WITH AN INTEGRAL CORD AND PLUG.
- D. SEE PANEL SCHEDULES FOR INFORMATION ON CIRCUITS THAT ARE TO BE ROUTED THROUGH CONTACTORS OR RELAYS FOR CONTROL.
- E. ALL EQUIPMENT, DEVICES, AND LUMINAIRES SHALL BE SUITABLE FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED. EQUIPMENT MOUNTED OUTDOORS SHALL BE NEMA 3R. DEVICES MOUNTED IN DAMP OR WET LOCATIONS SHALL BE WEATHERPROOF. RECEPTACLES RATED 15- OR 20-AMPS AND 120 VOLTS WHICH ARE LOCATED IN DAMP OR WET LOCATIONS SHALL BE GFCI PROTECTED AND EQUIPPED WITH A SUITABLE WEATHERPROOF COVERPLATE (WHILE-IN-USE IN WET LOCATIONS).
- F. ALL LUGS, TERMINALS, ETC. IN ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE LISTED FOR A MINIMUM OF 75 DEGREE C CONDUCTORS. TERMINATIONS LISTED FOR ONLY 60 DEGREE C CONDUCTORS ARE NOT PERMITTED.

KEYED NOTES:

1. INTERCEPT AND EXTEND LANDLORD PROVIDED SECONDARIES AT CONSTRUCTION LIMIT LINE. FIELD VERIFY EXACT LOCATION OF LANDLORD PROVIDED SECONDARIES PRIOR TO ROUGH-IN.
2. PROVIDE UNDERGROUND SECONDARY CONDUITS AND CONDUCTORS. SEE ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
3. PROVIDE ONE 2" UNDERGROUND PVC CONDUIT WITH PULL STRING PER TELEPHONE UTILITY COMPANY'S SPECIFICATIONS AND REQUIREMENTS FOR TELEPHONE SERVICE. COORDINATE EXACT ROUTING AND STUB-UP LOCATION WITH THE TELEPHONE UTILITY COMPANY AND CLEARLY MARK STUB-UP LOCATION. SUBMIT A LINEAL FOOT UNIT PRICE WITH THE BID FOR CONDUIT, OF EACH SIZE AND TYPE INDICATED.
4. PROVIDE ONE 2" UNDERGROUND PVC CONDUIT WITH PULL STRING PER CABLE TELEVISION UTILITY COMPANY'S SPECIFICATIONS AND REQUIREMENTS FOR CABLE TELEVISION SERVICE. COORDINATE EXACT ROUTING AND STUB-UP LOCATION WITH CABLE TELEVISION UTILITY COMPANY AND CLEARLY MARK STUB-UP LOCATION. SUBMIT A LINEAL FOOT UNIT PRICE WITH THE BID FOR CONDUIT, OF EACH SIZE AND TYPE INDICATED.
5. PROVIDE FINAL CONNECTION TO MENUBOARD. VERIFY EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN.
6. PROVIDE (3) 2" DIAMETER CONDUITS WITH PULLSTRING BACK TO MECHANICAL/ELECTRICAL ROOM FOR MENUBOARD POWER AND LOW VOLTAGE CONNECTIONS. CONDUIT OUTSIDE OF CONSTRUCTION LIMIT LINE TO BE BY LANDLORD. INTERCEPT AND EXTEND CONDUIT AS NECESSSARY. EXACT LOCATION AND REQUIREMENTS TO BE COORDINATED PRIOR TO UNDERGROUND WORK.
7. PROVIDE (3) 2" DIAMETER CONDUITS WITH PULLSTRING BACK TO MECHANICAL/ELECTRICAL ROOM FOR CANOPY LIGHTING, DATA, AND AUDIO. POWER FOR DRIVE THROUGH LOOP TO BE ROUTED THROUGH AUDIO CONDUIT FROM BUILDING TO FIRST AND SECOND CANOPIES. COORDINATE EXACT DRIVE THROUGH LOOP REQUIREMENTS AND ROUTING WITH HME PRIOR TO ROUGH-IN. CONDUIT OUTSIDE OF CONSTRUCTION LIMIT LINE TO BE BY LANDLORD. INTERCEPT AND EXTEND CONDUIT AS NECESSSARY. EXACT LOCATION AND REQUIREMENTS TO BE COORDINATED PRIOR TO UNDERGROUND WORK. CANOPY LIGTHING SHALL BE CONTROLLED THRU LUTRON LIGHTING CONTROLS.
8. PROVIDE (3) 2" DIAMETER CONDUITS WITH PULLSTRING BACK TO MECHANICAL/ELECTRICAL ROOM FOR PRE-MENUBOARD POWER AND LOW VOLTAGE CONNECTIONS. CONDUIT OUTSIDE OF CONSTRUCTION LIMIT LINE TO BE BY LANDLORD. INTERCEPT AND EXTEND CONDUIT AS NECESSSARY. EXACT LOCATION AND REQUIREMENTS TO BE COORDINATED PRIOR TO UNDERGROUND WORK.
9. PROVIDE (2) 1" CONDUIT WITH PULL STRING FOR POWER AND DATA TO CLEARANCE BAR. CONDUIT OUTSIDE OF CONSTRUCTION LIMIT LINE TO BE BY LANDLORD. INTERCEPT AND EXTEND CONDUIT AS NECESSSARY. EXACT LOCATION AND REQUIREMENTS TO BE COORDINATED PRIOR TO UNDERGROUND WORK. 6
10. PROVIDE FINAL CONNECTION TO SIGNAGE. COORDINATE LOCATION AND ALL REQUIREMENTS WITH SIGN CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE AN APPROPRIATE LOCAL DISCONNECTING MEANS MOUNTED IN AN ACCESSIBLE, INCONSPICUOUS LOCATION THAT IS WITHIN SIGHT OF THE SIGN. EACH SIGN CIRCUIT SHALL HAVE A SEPARATE NEUTRAL AND SEPARATE EQUIPMENT GROUNDING CONDUCTOR.
11. PROVIDE (1) 3/4" CONDUIT WITH PULL STRING TO SIGNAGE. CONDUIT OUTSIDE CONSTRUCTION LIMIT LINE TO BE BY LANDLORD. INTERCEPT AND EXTEND CONDUIT AS NECESSARY. EXACT LOCATION AND REQUIREMENTS TO BE COORDINATED PRIOR TO UNDERGROUND WORK.
12. CONNECT CIRCUIT VIA LOAD CONTROLLER(S) LOCATED IN MANAGER'S OFFICE. LOWERCASE LETTERS ADJACENT TO FIXTURES INDICATE CORRESPONDING LOAD CONTROLLER. SEE 2/E120 FOR ADDITIONAL INFORMATION. SEE LUTRON ONE-LINE DIAGRAMS SHEETS E621, E622, E623 FOR CONTROL CONFIGURATION. 2
13. PROVICE RECEPTACLE FOR LANDLORD PROVIDED LANDSCAPE IRRIGATION CONTROLLER. VERIFY EXACT LOCATION AND ELECTRICAL REQUIREMENTS PRIOR TO ROUGH IN.
14. LANDLORD PROVIDED CONDUIT AND CONDUCTORS FOR TENANT CONTROLLED SITE LIGHTING.
15. PROVIDE (3) 2" DIAMETER CONDUITS WITH PULLSTRING FROM FIRST PRE-MENUBOARD TO SECOND PRE-MENUBOARD FOR CONTINUATION OF POWER AND LOW VOLTAGE CONNECTIONS. CONDUIT OUTSIDE OF CONSTRUCTION LIMIT LINE TO BE BY LANDLORD. INTERCEPT AND EXTEND CONDUIT AS NECESSSARY. EXACT LOCATION AND REQUIREMENTS TO BE COORDINATED PRIOR TO UNDERGROUND WORK. 5
16. PROVIDE (3) 2" DIAMETER CONDUITS WITH PULLSTRING FROM FIRST CANOPY TO SECOND CANOPY FOR CONTINUATION OF POWER AND LOW VOLTAGE CONNECTIONS. CONDUIT OUTSIDE OF CONSTRUCTION LIMIT LINE TO BE BY LANDLORD. INTERCEPT AND EXTEND CONDUIT AS NECESSSARY. EXACT LOCATION AND REQUIREMENTS TO BE COORDINATED PRIOR TO UNDERGROUND WORK.
17. PROVIDE (3) 2" DIAMETER CONDUITS WITH PULLSTRING FROM FIRST MENUBOARD TO SECOND MENUBOARD FOR CONTINUATION OF POWER AND LOW VOLTAGE CONNECTIONS. CONDUIT OUTSIDE OF CONSTRUCTION LIMIT LINE TO BE BY LANDLORD. INTERCEPT AND EXTEND CONDUIT AS NECESSSARY. EXACT LOCATION AND REQUIREMENTS TO BE COORDINATED PRIOR TO UNDERGROUND WORK. 6

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NUMBER
E-026570

Date: 08/09/21
COA #: E-2009006642

NO.	BY	DATE	DESCRIPTION
6		2021-08-09	FIELD NOTICE #3
5		2021-05-17	FIELD NOTICE #2
4		2021-05-03	FIELD NOTICE #1
3		2021-04-26	ISSUED FOR CONSTRUCTION
2		2021-03-31	ADDENDUM #2
1		2021-03-09	ADDENDUM #1
		2021-01-11	PERMIT/BID SET
		2020-12-21	75% SET
		2020-10-12	DD SET

SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

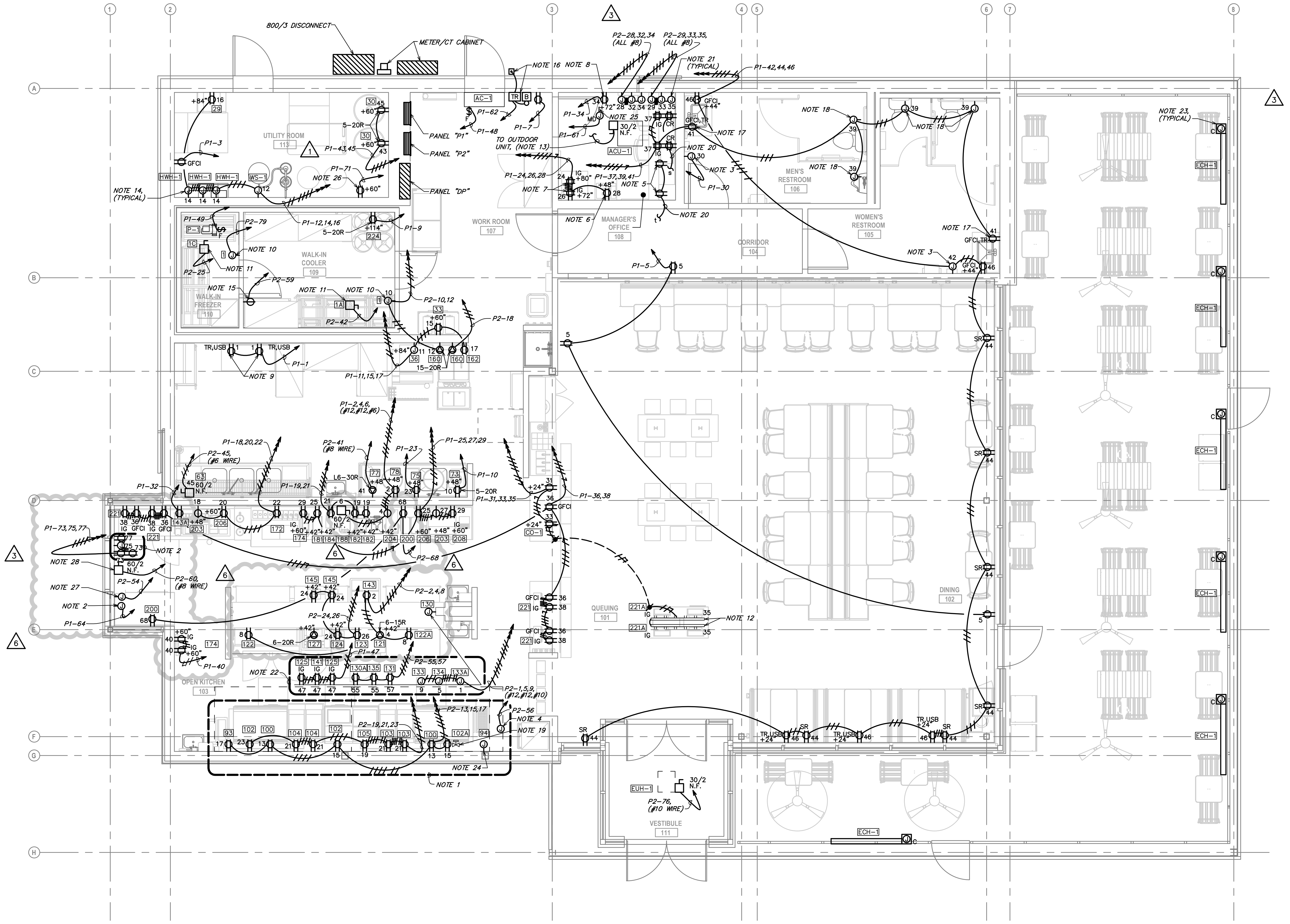
LEE'S SUMMIT
MISSOURI
SHACK #1348

PERMIT/BID SET

SITE ELECTRICAL PLAN

DRAWN BY: AEH
CHECKED BY: GRS
JOB NO: 20068.00

E100



ELECTRICAL POWER PLAN

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

GENERAL ELECTRICAL NOTES:

A. WHERE THE MECHANICAL DESIGN UTILIZES A PLENUM RETURN AIR CEILING DESIGN, ALL EQUIPMENT AND MATERIALS INSTALLED WITHIN THE PLENUM RETURN CEILING MUST MEET THE FLAME SPREAD AND SMOKE DEVELOPED RATINGS OF 25/50 AND BE APPROVED FOR USE IN PLENUM RETURN CEILINGS. COORDINATE PLENUM CEILING LOCATIONS WITH THE MECHANICAL CONTRACTOR.

B. COORDINATE ALL DEVICE LOCATIONS AND CIRCUIT ROUTING WITHIN ANY MILLWORK WITH MILLWORK VENDOR PRIOR TO ROUGH-IN.

C. COORDINATE THE CONNECTIONS OF ALL EQUIPMENT PROVIDED BY OTHERS WITH THE CONTRACTOR PROVIDING THE EQUIPMENT PRIOR TO ROUGH-IN. THIS INCLUDES, BUT IS NOT LIMITED TO, MECHANICAL EQUIPMENT, KITCHEN EQUIPMENT, AUDIO/VISUAL EQUIPMENT, FIRE SUPPRESSION SYSTEM EQUIPMENT, FIRE ALARM EQUIPMENT, ETC. PROVIDE THE APPROPRIATE DISCONNECTING MEANS FOR, AND TO MAKE THE FINAL CONNECTION TO, ANY HARDWIRED EQUIPMENT. THE ELECTRICAL CONTRACTOR IS ALSO RESPONSIBLE TO PROVIDE AN APPROPRIATE CORD AND PLUG FOR ANY CORD-AND-PLUG CONNECTED EQUIPMENT THAT IS NOT EQUIPPED WITH AN INTEGRAL CORD AND PLUG.

D. SEE PANEL SCHEDULES FOR INFORMATION ON CIRCUITS THAT ARE TO BE ROUTED THROUGH CONTACTORS OR RELAYS FOR CONTROL.

E. ALL EQUIPMENT, DEVICES, AND LUMINAIRES SHALL BE SUITABLE FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED. EQUIPMENT MOUNTED OUTDOORS SHALL BE NEMA 3R. DEVICES MOUNTED IN DAMP OR WET LOCATIONS SHALL BE WEATHERPROOF. RECEPTACLES RATED 15- OR 20-AMPS AND 120 VOLTS WHICH ARE LOCATED IN DAMP OR WET LOCATIONS SHALL BE GFCI PROTECTED AND EQUIPPED WITH A SUITABLE WEATHERPROOF COVERPLATE (WHILE-IN-USE IN WET LOCATIONS).

F. ALL LUGS, TERMINALS, ETC. IN ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE LISTED FOR A MINIMUM OF 75 DEGREE C CONDUCTORS. TERMINATIONS LISTED FOR ONLY 60 DEGREE C CONDUCTORS ARE NOT PERMITTED.

KEYED NOTES:

1. PROVIDE RECEPTACLE WITH WEATHERPROOF WHILE IN-USE COVER.
2. VERIFY EXACT LOCATION OF DRIVE THRU SYSTEM COMPONENTS AND POWER WITH VENDOR PRIOR TO ROUGH-IN. 6
3. PROVIDE FINAL CONNECTION TO HAND DRYER. COORDINATE MOUNTING HEIGHT WITH ARCHITECT AND ALL REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN.
4. PROVIDE ALL WIRING AND COMPONENTS INDICATED AS FIELD WIRING IN THE HOOD CONTROL PANEL WIRING DIAGRAM. VERIFY AND COORDINATE ALL REQUIREMENTS WITH THE HOOD CONTROL PANEL MANUFACTURER AND MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
5. PROVIDE RECEPTACLES FOR UNDERCABINET LIGHTS INSTALLED IMMEDIATELY BELOW LOWEST SHELF. CONNECT TO CONTROLS SERVING MANAGER'S OFFICE OVERHEAD LIGHTING. REFER TO OFFICE ELEVATIONS ON ARCHITECTURAL SHEETS FOR LOCATIONS AND MOUNTING HEIGHTS.
6. PROVIDE RECEPTACLE ALIGNED WITH ADJACENT DATA OUTLET FOR PRINTER ON SAFE. REFER TO OFFICE ELEVATIONS ON ARCHITECTURAL SHEETS FOR LOCATION.
7. PROVIDE QUADRUPLEX IG RECEPTACLES STACKED VERTICALLY BEHIND THE IT RACK. SEE OFFICE ELEVATIONS ON ARCHITECTURAL SHEETS FOR LOCATIONS.
8. PROVIDE RECEPTACLE ALIGNED WITH ADJACENT DATA OUTLET FOR SECURITY ALARM PANEL. REFER TO OFFICE ELEVATIONS ON ARCHITECTURAL SHEETS FOR LOCATION.
9. PROVIDE CHARGING RECEPTACLES UNDER DESK. VERIFY EXACT LOCATION WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.
10. PROVIDE CONNECTION TO JUNCTION BOX ON WALK-IN COOLER/FREEZER FOR LIGHTS, DOOR HEATER, AND VENT HEATER AS REQUIRED. INSTALL LIGHT FIXTURES SHIPPED LOOSE WITH COOLER/FREEZER AND COMPLETE CONNECTION.
11. COORDINATE INTERCONNECTION AND CONTROL CABLING REQUIREMENTS BETWEEN CONDENSER AND EVAPORATOR WITH EQUIPMENT SUPPLIER.
12. PROVIDE 4'-0" METAL PLUG-STRIP WITH 20 AMP RECEPTACLES 6" ON CENTER. HUBBELL #HBL24GB606GY OR APPROVED EQUAL AND INSTALL CONCEALED TO UNDERNEATH OF KIOSK TABLE. STUB CONDUIT OUT OF WALL TO ALIGN WITH UNDERSIDE OF KIOSK TABLE FOR CONNECTION. CONCEAL ALL CONDUIT AND PLUG STRIPS BELOW KIOSK TABLE.
13. INDOOR UNIT OF SPLIT-SYSTEM IS POWERED FROM OUTDOOR UNIT. PROVIDE ELECTRICAL CONNECTION BETWEEN UNITS PER MANUFACTURER REQUIREMENTS. COORDINATE ALL ELECTRICAL REQUIREMENTS, FINAL UNIT LOCATIONS, AND CIRCUIT ROUTING WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
14. PROVIDE FINAL CONNECTIONS TO HWH-1 AND RELATED EQUIPMENT INCLUDING RECIRCULATION PUMP, MALFUNCTION INDICATOR LIGHTS, AQUASTATS, AND TIME SWITCH FURNISHED BY PLUMBING CONTRACTOR. SEE DETAIL 3/E501 FOR ADDITIONAL INFORMATION.
15. PROVIDE SIMPLEX RECEPTACLE IN WEATHERPROOF CAST ALUMINUM BOX FOR WALK-IN FREEZER CONDENSATE PIPING HEAT TAPE. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
16. PROVIDE LOW VOLTAGE TRANSFORMER AND BELL ABOVE DOOR. SEE DETAIL 4/E501 FOR ADDITIONAL INFORMATION.
17. PROVIDE A GFCI DUPLEX RECEPTACLE MOUNTED BELOW COUNTERTOP FOR CONNECTION OF AUTOMATIC FAUCET SENSOR. ENSURE PLUMBING PIPING WILL NOT INTERFERE WITH MOUNTING LOCATION AND COORDINATE ALL REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
18. PROVIDE FINAL CONNECTION TO AUTOMATIC FLUSH VALVE. COORDINATE EXACT TRANSFORMER MOUNTING LOCATION AND ALL REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
19. INTERLOCK GAS SOLENOID VALVE WITH GREASE HOOD FIRE SUPPRESSION SYSTEM SUCH THAT GAS SOLENOID VALVE CLOSES UPON GREASE HOOD FIRE SUPPRESSION SYSTEM DISCHARGE. COORDINATE ALL REQUIREMENTS WITH PLUMBING CONTRACTOR AND GREASE HOOD FIRE SUPPRESSION SYSTEM MANUFACTURER PRIOR TO ROUGH-IN.
20. CONNECT CIRCUIT VIA LOAD CONTROLLER(S) LOCATED IN MANAGER'S OFFICE. LOWERCASE LETTERS ADJACENT TO FIXTURES INDICATE CORRESPONDING LOAD CONTROLLER. SEE 2/E120 FOR ADDITIONAL INFORMATION. SEE LUTRON ONE-LINE DIAGRAMS SHEETS E621, E622, E623 FOR CONTROL CONFIGURATION.
21. PROVIDE BROMIC ON/OFF CONTROL WITH WIRELESS REMOTE FOR CONTROL OF ELECTRIC PATIO HEATERS. VERIFY EXACT LOCATION WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN. VERIFY EXACT ELECTRICAL REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN. VERIFY EXACT ZONING WITH CONSTRUCTION MANAGER PRIOR TO ROUGH-IN. 3
22. DEVICES TO BE CIRCUITED THROUGH JUNCTION BOX STUBOUT OF WALL FOR CIRCUITS. SEE EQUIPMENT #130 IN KITCHEN DRAWINGS AND KITCHEN EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION. SEE KITCHEN DRAWINGS FOR FINAL LOCATION OF INDIVIDUAL DEVICES.
23. PROVIDE FINAL CONNECTION OF ELECTRIC PATIO HEATER TO PATIO HEATER CONTROLS LOCATED IN MANAGER'S OFFICE. VERIFY EXACT LOCATION WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN. VERIFY EXACT ELECTRICAL REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN. VERIFY EXACT ZONING WITH CONSTRUCTION MANAGER PRIOR TO ROUGH-IN. 3
24. PROVIDE 4" OCTAGONAL JUNCTION BOX WITH SCREW THREADS SET AT THE 2 AND 8 O'CLOCK POSITIONS FOR THE GREASE HOOD FIRE SUPPRESSION SYSTEM PULL STATION. PROVIDE A 1/2" CONDUIT FROM THE JUNCTION BOX TO 6" ABOVE THE ACCESSIBLE CEILING AND TERMINATE WITH A CONDUIT BUSHING. COORDINATE EXACT LOCATION WITH THE GREASE HOOD FIRE SUPPRESSION SYSTEM INSTALLER AND THE FIRE MARSHAL PRIOR TO ROUGH-IN.
25. PROVIDE RELAY AND FINAL CONNECTION TO MOTORIZED DAMPER (MD). INTERLOCK RELAY WITH SUPPLY FAN IN HVAC EQUIPMENT ASSOCIATED WITH EQUIPMENT SUCH THAT MOTORIZED DAMPER OPENS WHEN SUPPLY FAN STARTS. PROVIDE LOW VOLTAGE TRANSFORMER IF REQUIRED. COORDINATE ALL REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. 1
26. PROVIDE RECEPTACLE FOR CO2 MONITORING SYSTEM. VERIFY LOCATION AND EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN.
27. PROVIDE FINAL CONNECTION TO DRIVE-THRU WINDOW EQUIPMENT. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN. VERIFY EXACT ELECTRICAL REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN.
28. PROVIDE FINAL CONNECTION TO DRIVE-THRU AIR CURTAIN EQUIPMENT. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN. VERIFY EXACT ELECTRICAL REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN. 3

E##

NOTE:
REFER TO KITCHEN EQUIPMENT ELECTRICAL ROUGH-IN PLAN, SHEET KE101, FOR DIMENSIONED ROUGH-IN LOCATIONS, MOUNTING HEIGHTS, AND ADDITIONAL REQUIREMENTS FOR ALL DEVICE TAGS SHOWN ON THIS SHEET, INCLUDING EQUIPMENT POWER AND LOW VOLTAGE OUTLET LOCATIONS.

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GREGORY ROY SCHNACKEL
NUMBER
E-026570

Date: 08/09/21
COA #: E-2009006642

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2		2021-03-31	ADDENDUM #2
1		2021-03-09	ADDENDUM #1
		2021-01-11	PERMIT/BID SET
		2020-12-21	75% SET
		2020-10-12	DD SET

SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

LEE'S SUMMIT
MISSOURI
SHACK #1348

PERMIT/BID SET

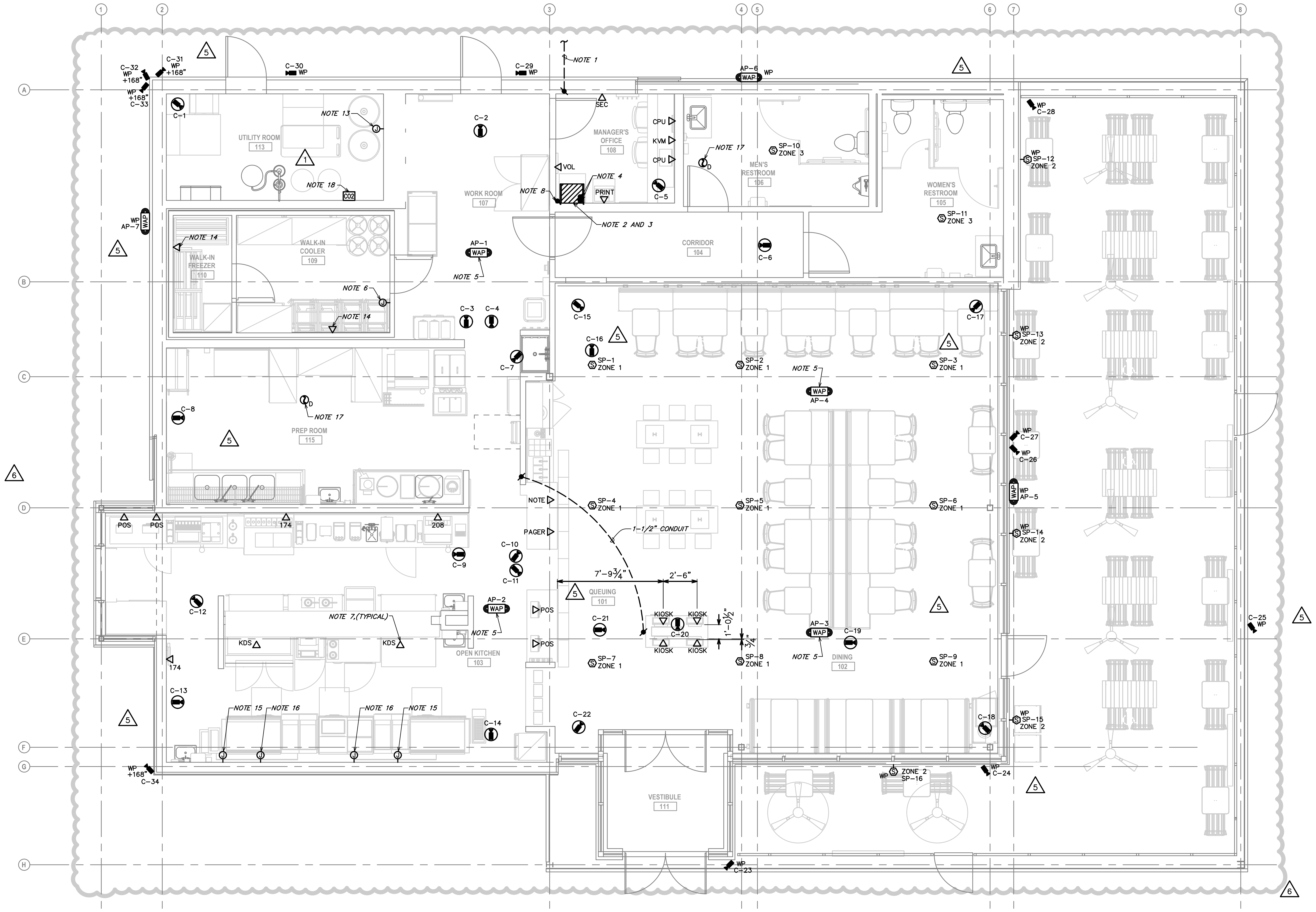
ELECTRICAL POWER PLAN

DRAWN BY: AEH
CHECKED BY: GRS
JOB NO: 20068.00

E101

LOW VOLTAGE DEVICE COLOR SCHEDULE		
AREA	CAMERAS	SPEAKERS
BACK OF HOUSE/KITCHEN (WHITE CEILING)	WHITE	WHITE
FRONT OF HOUSE/DINING (LIGHT CEILING)	WHITE	WHITE
EXTERIOR/PATIO	BLACK	BLACK

GENERAL NOTE:
A. EXPOSED LOW VOLTAGE CABLING SHALL MATCH THE DEVICE COLORS SPECIFIED ABOVE.



1 LOW VOLTAGE SYSTEMS PLAN

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

GENERAL ELECTRICAL NOTES:

A. WHERE THE MECHANICAL DESIGN UTILIZES A PLENUM RETURN AIR CEILING DESIGN, ALL EQUIPMENT AND MATERIALS INSTALLED WITHIN THE PLENUM RETURN CEILING MUST MEET THE FLAME SPREAD AND SMOKE DEVELOPED RATINGS OF 25/50 AND BE APPROVED FOR USE IN PLENUM RETURN CEILINGS. COORDINATE PLENUM CEILING LOCATIONS WITH THE MECHANICAL CONTRACTOR.

B. COORDINATE ALL DEVICE LOCATIONS AND CIRCUIT ROUTING WITHIN ANY MILLWORK WITH MILLWORK VENDOR PRIOR TO ROUGH-IN.

C. COORDINATE THE CONNECTIONS OF ALL EQUIPMENT PROVIDED BY OTHERS WITH THE CONTRACTOR PROVIDING THE EQUIPMENT PRIOR TO ROUGH-IN. THIS INCLUDES, BUT IS NOT LIMITED TO, MECHANICAL EQUIPMENT, KITCHEN EQUIPMENT, AUDIO/VISUAL EQUIPMENT, FIRE SUPPRESSION SYSTEM EQUIPMENT, FIRE ALARM EQUIPMENT, ETC. PROVIDE THE APPROPRIATE DISCONNECTING MEANS FOR, AND TO MAKE THE FINAL CONNECTION TO, ANY HARDWIRED EQUIPMENT. THE ELECTRICAL CONTRACTOR IS ALSO RESPONSIBLE TO PROVIDE AN APPROPRIATE CORD AND PLUG FOR ANY CORD-AND-PLUG CONNECTED EQUIPMENT THAT IS NOT EQUIPPED WITH AN INTEGRAL CORD AND PLUG.

D. ALL EQUIPMENT, DEVICES, AND LUMINAIRES SHALL BE SUITABLE FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED. EQUIPMENT MOUNTED OUTDOORS SHALL BE NEMA 3R. DEVICES MOUNTED IN DAMP OR WET LOCATIONS SHALL BE WEATHERPROOF. RECEPTACLES RATED 15- OR 20-AMPS AND 120 VOLTS WHICH ARE LOCATED IN DAMP OR WET LOCATIONS SHALL BE GFCI PROTECTED AND EQUIPPED WITH A SUITABLE WEATHERPROOF COVERPLATE (WHILE-IN-USE IN WET LOCATIONS).

E. REFER TO ARCHITECTURAL PLAN FOR RESPONSIBILITY SCHEDULE.

F. ALL SPEAKER WIRE TO BE 16-GAUGE AWG. CABLE SHOULD NOT BE IN CONDUIT UNLESS REQUIRED BY CODE.

G. ALL DATA CABLES TO BE HOME RUNS FROM THE DEVICE TO THE MANAGER'S OFFICE WITH THE EXCEPTION OF SPEAKERS THAT SHOULD BE DAISY-CHAINED TOGETHER AS SHOWN ON THE PLAN.

H. PROVIDE SERVICE LOOPS SPOOLED AND HUNG NEATLY AT BOTH ENDS OF EACH CABLE 3'-0" AT THE FINAL DEVICE HEIGHT AND 5'-0" AT THE IT RACK, UNLESS NOTED OTHERWISE.

I. ALL LOW VOLTAGE CABLES TO BE TAGGED AND CLEARLY LABELED ON BOTH ENDS WITH A P-TOUCH OR OTHER PRINTED LABEL.

J. PROVIDE (1) 3/4" SLEEVE FOR EACH EXTERIOR DEVICE TO INSIDE OF SPACE.

K. PROVIDE ALL EMPTY CONDUITS WITH PULL STRINGS.

L. PROVIDE ALL-THREAD AT EACH CAMERA LOCATION SHOWN ON PLAN FROM CEILING DECK TO 1'-0" BELOW LIGHT TRACK HEIGHT. (REFER TO ARCHITECTURAL PLANS FOR LIGHT TRACK HEIGHT). AT CAMERA LOCATIONS, PROVIDE (1) 4" ROUND/OCTAGON JUNCTION BOX ATTACHED TO BOTTOM OF ALL-THREAD.

KEYED NOTES:

1. EXTEND 2" CONDUIT WITH PULL STRING, TO MANAGER'S OFFICE FOR TELECOMMUNICATIONS SERVICE. EXTEND 2" CONDUIT WITH PULL STRING, TO MANAGER'S OFFICE FOR CABLE TELEVISION SERVICE. REFERENCE E100 FOR EXTENSION.
2. PROVIDE TELEPHONE 66 BLOCK FOR NEW TENANT SERIVCE MOUNTED IN THE MANAGER'S OFFICE NEAR THE IT RACK. LEVITON #40066 SERIES, WHITE WITH ORANGE COVER OR EQUIVALENT. SEE 2/E501 FOR GROUNDING DETAIL.
3. PROVIDE, INSTALL, AND TERMINATE 25-PAIR CABLE AT BOTH ENDS, INCLUDING AT THE 66 BLOCK IN THE MANAGER'S OFFICE. TESTED AND VERIFY.
4. PROVIDE (2) 3" CONDUITS ABOVE THE IT RACK TO ABOVE THE CEILING FOR CABLE MANAGEMENT. ROUTE ALL DATA CABLES THROUGH ONE OF THE 3" CONDUITS AND ALL OTHER CABLES THROUGH THE OTHER 3" CONDUITS. PROVIDE SLEEVES THROUGH WALL ABOVE CEILINGS AT FULL HEIGHT WALLS.
5. PROVIDE DATA OUTLET FLUSH IN CEILING FOR WIRELESS ACCESS POINT. REFER TO PLANS FOR LOCATION.
6. PROVIDE JUNCTION BOX SURFACE MOUNTED INSIDE THE WALK-IN COOLER AT 6" AFF FOR ALARM PANIC BUTTON. ROUTE 3/4" EMT WITH PULL-WIRE TO ABOVE CEILING IN THE MANAGER'S OFFICE FOR ALARM CABLING BY OTHERS.
7. ROUTE DATA CABLES FOR CHEF'S COUNTER DOWN FULL HEIGHT CHASE WALL. COORDINATE LOCATIONS OF DATA OUTLETS AT CHEF'S COUNTER WITH KITCHEN EQUIPMENT AND PULL CABLES THROUGH CHEF'S COUNTER TO FINAL LOCATION.
8. PROVIDE (1) 1" EMT CONDUIT FROM ABOVE THE IT RACK FOR SATELLITE DISH, IF REQUIRED. VERIFY WITH SHACK SHAKE IF REQUIRED.
9. NOT USED.
10. NOT USED.
11. NOT USED.
12. NOT USED.
13. PROVIDE CONDUIT, AS NECESSARY, AT ANY CONCEALED LOCATIONS FOR RTI SIGNAL CABLE FROM RTI FILL BOX LOCATION TO RTI SYSTEM LOCATION. SEE DETAIL 6/E501 FOR ADDITIONAL INFORMATION. VERIFY EXACT REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN.
14. PROVIDE DATA PORT FOR WALK-IN EVAPORATOR. VERIFY EXACT REQUIREMENTS WITH EQUIPMENT MANUFACTUER PRIOR TO ROUGH-IN.
15. PROVIDE LOW VOLTAGE WIRING IN MC CABLE TO SINGLE GANG BOX AT THIS POINT FOR RTI CONNECTION TO GRIDDLE, SEE DETAILS 6 AND 7/E501 FOR ADDITIONAL INFORMATION.
16. PROVIDE LOW VOLTAGE WIRING IN MC CABLE TO SINGLE GANG BOX AT THIS POINT FOR RTI CONNECTION TO FRYER, SEE DETAILS 6 AND 8/E501 FOR ADDITIONAL INFORMATION.
17. FURNISH DUCT SMOKE DETECTOR AND RELAY FOR HVAC UNIT SUPPLY FAN SHUTDOWN, FOR INSTALLATION BY THE MECHANICAL CONTRACTOR. DUCT SMOKE DETECTOR SHALL BE SYSTEM SENSOR #D4120 OR EQUAL. PROVIDE 120 VOLT WIRING TO THE DUCT SMOKE DETECTOR AND CONNECT TO SPARE 20 AMP, 1 POLE CIRCUIT BREAKER WITH HANDLE LOCK-ON ACCESSORY. ALSO PROVIDE A SYSTEM SENSOR #RTS2-AOS, OR EQUAL, REMOTE TEST STATION / MULTI-SIGNALING ACCESSORY. INSTALL MULTI-SIGNALING ACCESSORY IN A CONTINUOUSLY ATTENDED LOCATION, TO BE COORDINATED WITH THE AUTHORITY HAVING JURISDICTION AND OWNER PRIOR TO ROUGH-IN. PROVIDE ALL FINAL WIRING FOR A COMPLETE AND FUNCTIONAL SYSTEM.
18. PROVIDE ANALOX #A50 CO2 MONITORING SYSTEM. VERIFY EXACT REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN.

LOW VOLTAGE OUTLET LEGEND

SYMBOL TYPE	CABLE REQUIREMENTS			ADDITIONAL INFORMATION	NOTES
	QTY	TYPE	ORIGIN		
174 ▽	2	CAT 5E	IT RACK	60" A.F.F. FOR ITEM #174 KDS	1
208 ▽	2	CAT 5E	IT RACK	60" A.F.F. FOR ITEM #208 KDS	1
KDS ▽	2	CAT 5E	IT RACK	IN OVERSHELF FOR KDS SYSTEM	2
KVM ▽	2	CAT 5E	IT RACK	42" A.F.F. FOR KVM SWITCH	3
KIOSK ▽	2	CAT 5E	IT RACK	26" A.F.F. FOR KIOSK	3
PAGER ▽	2	CAT 5E	IT RACK	26" A.F.F. FOR PAGER SYTEM	2
POS ▽	4	CAT 5E	IT RACK	26" A.F.F. FOR POS TERMINAL	2
PRINTER ▽	2	CAT 5E	IT RACK	48" A.F.F. FOR PRINTER ON SAFE	3
VOL ▽	1	CAT 5E	IT RACK	48" A.F.F. FOR VOLUME CONTROL	3
CPU ▽	4	CAT 5E	IT RACK	18" A.F.F. FOR WORKSTATION	3
SEC ▽	1	CAT 5E	IT RACK	72" A.F.F. FOR SECURITY ALARM PANEL	3
WAP	2	CAT 5E	IT RACK	AT CEILING FOR WIRELESS	5
NOTE ▽	2	CAT 5E	IT RACK	NOTIFICATION BOARD	3

GENERAL NOTES:
A. PROVIDE 4" SQUARE BOX WITH SINGLE GANG PLASTER RING AND 3/4" EMT TO ACCESSIBLE CEILING AREA FOR ALL LOW VOLTAGE WALL OUTLETS UNO.
B. PROVIDE 4" OCTAGON BOX FOR ALL LOW VOTLAGE CEILING OUTLETS UNO.

SCHEDULE NOTES:
1. REFER TO KITCHEN EQUIPMENT ROUGH-IN PLANS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF LOW VOLTAGE OUTLETS FOR KITCHEN DATA SYSTEM.
2. LOW VOLTAGE OUTLET TO BE INSTALLED IN KITCHEN OVERSHELF ABOVE CHEF'S COUNTER. REFER TO KEC SHOP DRAWINGS FOR OUTLET LOCATIONS. PROVIDE 15' OF EXCESS CABLE AT FOR ALL DATA OUTLETS IN OVERSHELF.
3. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF LOW VOLTAGE OUTLETS FOR OFFICE EQUIPMENT AND TELEVISIONS.
4. PROVIDE DATA OUTLET FOR WIRELESS ACCESS POINT AT SAME ELEVATION AS LIGHTING FIXTURES.

CAMERA WIRING LEGEND

SYMBOL TYPE	CABLE REQUIREMENTS			ADDITIONAL INFORMATION
	QTY	TYPE	ORIGIN	
◉	1	CAT 5E	IT RACK	STANDARD 2MP DOME
■	1	CAT 5E	IT RACK	4MP DARKFIGHTER BULLET CAM

GENERAL NOTES:
A. VERIFY FINAL LOCATIONS AND AIMING OF ALL CAMERAS WITH TENANT.
B. PROVIDE SERVICE LOOPS SPOOLED AND HUNG NEATLY AT BOTH ENDS OF EACH CABLE. 15'-0" AT CAMERA LOCATIONS AND 5'-0" AT THE IT RACK.
C. SUSPENDED INTERIOR CAMERAS TO 10'-0" A.F.F. IN AREAS OPEN TO STRUCTURE.
D. INSTALL EXTERIOR CAMERAS AT 11'-0" A.F.F. UNLESS NOTED OTHERWISE.
E. PROVIDE WP JUNCTION BOX WITH 3/4" CONDUIT STUBBED INTO TENANT SPACE FOR ALL EXTERIOR CAMERAS.

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SEAL/ SIGNATURE:

GREGORY ROY SCHNACKEL
NUMBER
E-026570

Date: 08/09/21
COA #: E-2009006642

NO.	BY	DATE	DESCRIPTION
6		2021-08-09	FIELD NOTICE #3
5		2021-05-17	FIELD NOTICE #2
4		2021-05-03	FIELD NOTICE #1
3		2021-04-26	ISSUED FOR CONSTRUCTION
2		2021-03-31	ADDENDUM #2
1		2021-03-09	ADDENDUM #1
		2021-01-11	PERMIT/BID SET
		2020-12-21	75% SET
		2020-10-12	DD SET

SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

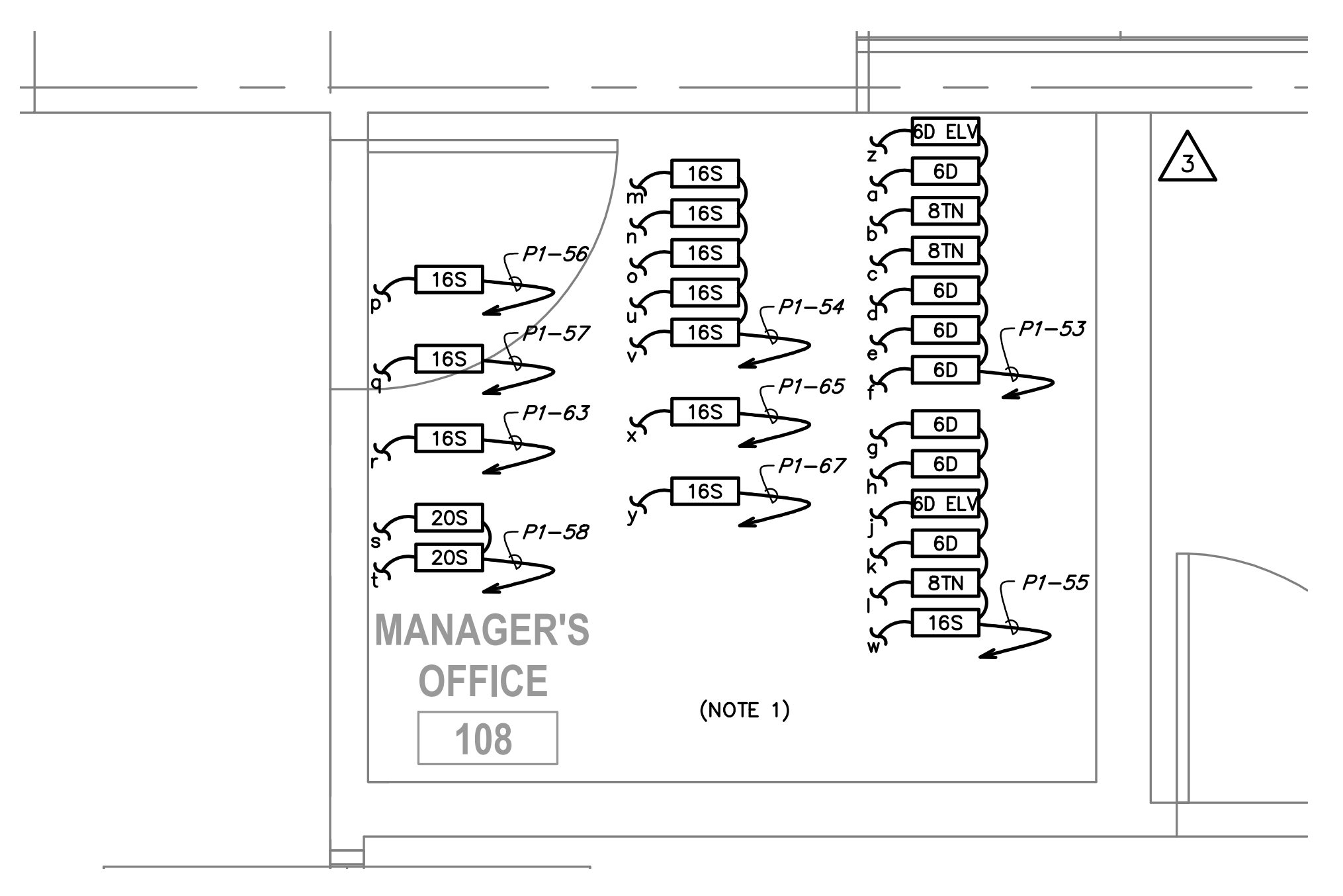
LEE'S SUMMIT
MISSOURI
SHACK #1348

PERMIT/BID SET

LOW VOLTAGE SYSTEMS PLAN

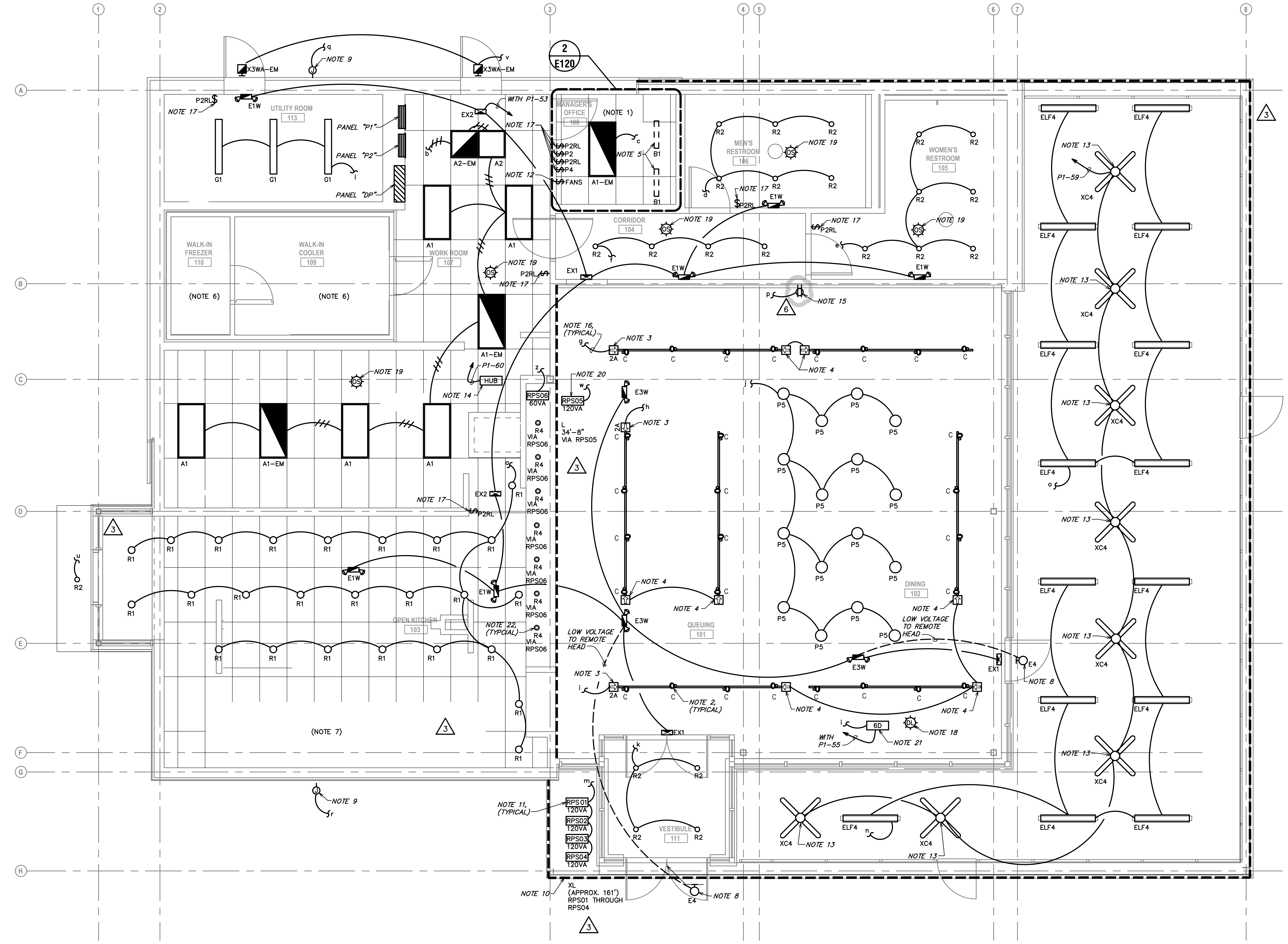
DRAWN BY: AEH
CHECKED BY: GRS
JOB NO: 20068.00

E102



2 ENLARGED ELECTRICAL LIGHTING PLAN - LOAD CONTROLLERS

SCALE: 1/2" = 1'-0"



1 ELECTRICAL LIGHTING PLAN

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

GENERAL ELECTRICAL NOTES:

A. WHERE THE MECHANICAL DESIGN UTILIZES A PLENUM RETURN AIR CEILING DESIGN, ALL EQUIPMENT AND MATERIALS INSTALLED WITHIN THE PLENUM RETURN CEILING MUST MEET THE FLAME SPREAD AND SMOKE DEVELOPED RATINGS OF 25/50 AND BE APPROVED FOR USE IN PLENUM RETURN CEILINGS. COORDINATE PLENUM CEILING LOCATIONS WITH THE MECHANICAL CONTRACTOR. LUMINAIRES THAT ARE MANUFACTURED WITH A METAL HOUSING MEET THIS REQUIREMENT AND ARE NOT REQUIRED TO BE PLENUM RATED UNLESS INDICATED OTHERWISE.

B. COORDINATE ALL DEVICE LOCATIONS AND CIRCUIT ROUTING WITHIN ANY MILLWORK WITH MILLWORK VENDOR PRIOR TO ROUGH-IN.

C. COORDINATE THE CONNECTIONS OF ALL EQUIPMENT PROVIDED BY OTHERS WITH THE CONTRACTOR PROVIDING THE EQUIPMENT PRIOR TO ROUGH-IN. THIS INCLUDES, BUT IS NOT LIMITED TO, MECHANICAL EQUIPMENT, KITCHEN EQUIPMENT, AUDIO/VISUAL EQUIPMENT, FIRE SUPPRESSION SYSTEM EQUIPMENT, FIRE ALARM EQUIPMENT, ETC. PROVIDE THE APPROPRIATE DISCONNECTING MEANS FOR, AND TO MAKE THE FINAL CONNECTION TO, ANY HARDWIRED EQUIPMENT. THE ELECTRICAL CONTRACTOR IS ALSO RESPONSIBLE TO PROVIDE AN APPROPRIATE CORD AND PLUG FOR ANY CORD-AND-PLUG CONNECTED EQUIPMENT THAT IS NOT EQUIPPED WITH AN INTEGRAL CORD AND PLUG.

D. SEE PANEL SCHEDULES FOR INFORMATION ON CIRCUITS THAT ARE TO BE ROUTED THROUGH CONTACTORS OR RELAYS FOR CONTROL.

E. ALL EQUIPMENT, DEVICES, AND LUMINAIRES SHALL BE SUITABLE FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED. EQUIPMENT MOUNTED OUTDOORS SHALL BE NEMA 3R. DEVICES MOUNTED IN DAMP OR WET LOCATIONS SHALL BE WEATHERPROOF. RECEPTACLES RATED 15- OR 20-AMPS AND 120 VOLTS WHICH ARE LOCATED IN DAMP OR WET LOCATIONS SHALL BE GFCI PROTECTED AND EQUIPPED WITH A SUITABLE WEATHERPROOF COVERPLATE (WHILE-IN-USE IN WET LOCATIONS).

F. ALL LUGS, TERMINALS, ETC. IN ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE LISTED FOR A MINIMUM OF 75 DEGREE C CONDUCTORS. TERMINATIONS LISTED FOR ONLY 60 DEGREE C CONDUCTORS ARE NOT PERMITTED.

G. CIRCUITS SERVING EMERGENCY LIGHTING EQUIPMENT SUCH AS EMERGENCY BATTERIES SHALL NOT SHARE A NEUTRAL (SHALL NOT BE PART OF A MULTIWIRE BRANCH CIRCUIT) WITH ANY OTHER CIRCUIT. PROVIDE A SEPARATE NEUTRAL FOR EVERY CIRCUIT THAT SERVES EMERGENCY LIGHTING EQUIPMENT.

H. ALTHOUGH NOT SPECIFICALLY SHOWN, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED LOW VOLTAGE WIRING AND DATA CABLING, PER THE MANUFACTURER'S RECOMMENDATIONS, FOR A COMPLETE, FUNCTIONAL LIGHTING CONTROL SYSTEM.

I. ALTHOUGH NOT SPECIFICALLY SHOWN, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED WIRING AND DATA CABLING, INCLUDING ALL 0-10V CONTROL WIRING WHERE APPLICABLE, PER THE MANUFACTURER'S RECOMMENDATIONS FOR A COMPLETE, FUNCTIONAL DIMMING SYSTEM.

J. REFER TO LIGHTING CONTROL DEVICE SCHEDULE ON SHEET E620 FOR OCCUPANCY SENSOR TYPES AND CONTROL INFORMATION.

K. REFER TO LUMINAIRE SCHEDULE ON SHEET E620 FOR LIGHT FIXTURE TYPES AND REQUIREMENTS.

L. REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL LIGHT FIXTURES. COORDINATE DIMMER/SWITCH BANK LOCATION SWITH ARCHITECT PRIOR TO ROUGH-IN.

M. PROVIDE AIMING OF ALL ADJUSTABLE LIGHT FIXTURES AFTER SETUP IS COMPLETE TO EVENLY ILLUMINATE TABLE SURFACES, SIGNAGE, DECOR, AND EMERGENCY EGRESS PATHS. COORDINATE AIMING OF NORMAL FIXTURES WITH ARCHITECT. REFER TO ARCHITECTURAL EGRESS PATH PLAN FOR AIMING OF EMERGENCY LIGHT FIXTURES.

KEYED NOTES:

1. ALL LOAD CONTROLLERS TO BE INSTALLED IN THIS AREA, ABOVE CEILING HEIGHT, UNLESS OTHERWISE NOTED.
2. AIM ALL TRACK HEADS TO TABLE SURFACES UNLESS INDICATED OTHERWISE.
3. PROVIDE LIGHTING TRACK POWER END FEED CURRENT LIMITER DEVICE WITH RATING AS SHOWN. REFER TO LUMINAIRE SCHEDULE, SHEET E620 FOR COMPLETE MODEL NUMBER.
4. PROVIDE LIGHTING TRACK POWER END FEEDS WITH APPROPRIATE POLARITY TO CONNECT NON-ADJOINING TRACK LIGHTING SECTIONS AS SHOWN.
5. PROVIDE UNDER CABINET LIGHT FIXTURES WITH CORD AND PLUG CONNECTIONS. REFER TO POWER PLANS FOR RECEPTACLE LOCATIONS.
6. INSTALL LIGHT FIXTURES SHIPPED LOOSE WITH WALK-IN COOLER. REFER TO POWER PLANS FOR CIRCUIT CONTINUATION.
7. LIGHT FIXTURES FURNISHED WITH EXHAUST HOOD. EQUIPMENT MANUFACTURER SHALL BE RESPONSIBLE FOR PROVIDING SUFFICIENT ILLUMINATION TO COMPLY WITH LOCAL REQUIREMENTS. REFER TO CAPTIVE AIRE WIRING DIAGRAMS FOR CONNECTION INFORMATION AND PROVIDE FINAL CONNECTION.
8. CONNECT EXTERIOR EMERGENCY LIGHTING REMOTE HEADS TO INTERIOR EMERGENCY LIGHTING BATTERY UNIT INDICATED.
9. PROVIDE WEATHERPROOF JUNCTION BOX, DISCONNECT SWITCH AND RELATED CIRCUITRY AT ROOF PARAPET OR OTHER ACCESSIBLE LOCATION AS DIRECTED BY OWNER, FOR CONNECTION OF STOREFRONT SIGNAGE. COORDINATE REQUIREMENTS WITH OWNER AND SIGN INSTALLER PRIOR TO ROUGH-IN AND ADJUST ELECTRICAL PROVISIONS AS NECESSARY. PROVIDE CONCEALED CONDUIT THROUGH WALL FOR CONNECTION TO SIGN AND CONCEAL CONDUIT FROM CUSTOMER VIEW.
10. PROVIDE LINEAR LED TAPE LIGHTING AT SIGN BAND. INSTALL LED TAPE LIGHTING IN PROTECTIVE ALUMINUM CHANNEL AND END TO END FOR CONTINUOUS ILLUMINATION BUT WIRE EACH STRIP SEPARATELY TO DRIVER PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. REFER TO SIGNAGE PACKAGE FOR INSTALLATION DETAILS. WIRING OF LINEAR LED TAPE LIGHTING SHALL OCCUR AFTER SIGN BAND LETTERS AND BACKER PLATE ARE INSTALLED. PROVIDE END FEED CABLES AND ALL REQUIRED CONNECTORS AND SECURE ALL CABLING CONCEALED FROM VIEW.
11. PROVIDE REMOTE LED DRIVER FOR LINEAR LED LIGHTING. CONNECT EACH LENGTH OF LED STRIP IN PARALLEL TO REMOTE DRIVER PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL REQUIRED CONNECTORS AND SECURE ALL LOW VOLTAGE CABLING CONCEALED FROM VIEW. PROVIDE WATERPROOF ENCLOSURES FOR LED DRIVERS INSTALLED OUTSIDE AND COORDINATE EXACT LOCATIONS OF LED LIGHTING CHANNEL AND REMOTE DRIVERS WITH ARCHITECT.
12. PROVIDE MANUFACTURER CEILING FAN SPEED CONTROL SWITCH FOR EXTERIOR PATIO FANS. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
13. PROVIDE EXTERIOR WET LOCATION CEILING FAN, SEE LIGHT FIXTURE SCHEDULE ON E620. COORDINATE EXACT LOCATIONS, MOUNTING DETAILS, AND CONDUIT ROUTING WITH OWNER PRIOR TO ROUGH-IN. INSTALL CONDUIT CONCEALED FROM VIEW AS MUCH AS PRACTICAL. ROUTE CIRCUIT THROUGH FAN SPEED SWITCH IN OFFICE FOR CONTROL.
14. LUTRON VIVE STARTER HUB. PROVIDE WITH FLUSH MOUNT ADAPTER, AND PROVIDE CONNECTION TO LOW VOLTAGE POWER SUPPLY. VERIFY EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. SEE LIGHTING CONTROL DEVICE SCHEDULE ON SHEET E620 FOR ADDITIONAL INFORMATION. SEE LUTRON ONE-LINE DIAGRAMS SHEET E621 FOR CONTROL CONFIGURATION.
15. PROVIDE RECESSED CLOCK RECEPTACLE FOR INTERIOR ILLUMINATED DECOR SIGNAGE. REFER TO INTERIOR ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHT. 6
16. CONNECT CIRCUIT VIA LOAD CONTROLLER(S) LOCATED IN MANAGER'S OFFICE. LOWERCASE LETTERS ADJACENT TO FIXTURES INDICATE CORRESPONDING LOAD CONTROLLER. SEE 2/E120 FOR ADDITIONAL INFORMATION. SEE LUTRON ONE-LINE DIAGRAMS SHEETS E621, E622, E623 FOR CONTROL CONFIGURATION.
17. LUTRON PICO WIRELESS CONTROL WALL STATION. PROVIDE LOW-VOLTAGE RING FOR WALL STATION LOCATIONS. ALL LOCAL WALL STATIONS ARE EXPECTED TO BE BATTERY POWERED WITH NO COPPER AND CONDUIT ROUGH IN. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. SEE LIGHTING CONTROL DEVICE SCHEDULE ON SHEET E620 FOR ADDITIONAL INFORMATION. SEE LUTRON ONE-LINE DIAGRAMS SHEETS E621, E622, E623 FOR CONTROL CONFIGURATION.
18. WIRELESS CEILING MOUNT DAYLIGHT SENSOR. SEE LIGHTING CONTROL DEVICE SCHEDULE ON SHEET E620 FOR ADDITIONAL INFORMATION. SEE LUTRON ONE-LINE DIAGRAMS SHEETS E621, E622, E623 FOR CONTROL CONFIGURATION.
19. WIRELESS CEILING OCCUPANCY SENSOR. SEE LIGHTING CONTROL DEVICE SCHEDULE ON SHEET E620 FOR ADDITIONAL INFORMATION. SEE LUTRON ONE-LINE DIAGRAMS SHEETS E621, E622, E623 FOR CONTROL CONFIGURATION.
20. PROVIDE REMOTE LED DRIVER FOR LINEAR LED LIGHTING. CONNECT EACH LENGTH OF LED STRIP IN PARALLEL TO REMOTE DRIVE PER MANUFACTURER'S SPECIFICATIONS. PROVIDE ALL REQUIRED CONNECTORS AND SECURE ALL LOW VOLTAGE CABLING CONCEALED FROM VIEW. COORDINATE EXACT LOCATIONS OF LED LIGHTING CHANNEL AND REMOTE DRIVERS WITH ARCHITECT.
21. LOAD CONTROLLER(S) LOCATED ABOVE CEILING. SEE LUTRON ONE-LINE DIAGRAMS SHEETS E621, E622, E623 FOR CONTROL CONFIGURATION.
22. INSTALL THIS LUMINAIRE'S REMOTE LOW VOLTAGE LIGHTING TRANSFORMER IN AN INCONSPICUOUS, ACCESSIBLE LOCATION AND PROVIDE FINAL CONNECTION TO LUMINAIRE. COORDINATE MOUNTING LOCATION OF REMOTE LOW VOLTAGE LIGHTING TRANSFORMER WITH OWNER PRIOR TO ROUGH-IN. THE LENGTH OF CONDUCTORS BETWEEN REMOTE LOW VOLTAGE LIGHTING TRANSFORMER AND ASSOCIATED LUMINAIRE SHALL NOT EXCEED MANUFACTURER'S RECOMMENDATIONS FOR MAXIMUM CONDUCTOR LENGTH.

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GREGORY ROY SCHNACKEL
NUMBER
E-026570

Date: 08/09/21
COA #: E-2009006642

NO.	BY	DATE	DESCRIPTION
6		2021-08-09	FIELD NOTICE #3
5		2021-05-17	FIELD NOTICE #2
4		2021-05-03	FIELD NOTICE #1
3		2021-04-26	ISSUED FOR CONSTRUCTION
2		2021-03-31	ADDENDUM #2
1		2021-03-09	ADDENDUM #1
		2021-01-11	PERMIT/BID SET
		2020-12-21	75% SET
		2020-10-12	DD SET

SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

LEE'S SUMMIT
MISSOURI
SHACK #1348

PERMIT/BID SET

ELECTRICAL LIGHTING PLAN

DRAWN BY: AEH
CHECKED BY: GRS
JOB NO: 20068.00

E120

PANEL "P1"

FED FROM: POWER PANEL "DP"
VOLTAGE: 120/208V, 3 PHASE, 4 WIRE
BUS MATERIAL: ALUMINUM OR COPPER
BUS LOAD: 195 AMPS
BUS RATING: 225 AMPS
MAIN: MAIN LUG ONLY
MOUNTING: FLUSH MOUNTED
ENCLOSURE: NEMA 1
FAULT CURRENT: 40079 AMPS
AIC/SCCR RATING: 42 kAIC
OPTIONS*: BONDED AND ISOLATED GROUND BARS

			LOAD (VA)					LOAD (VA)					
NOTES	CKT.	LOAD DESCRIPTION	A	B	C	BREAKER	BREAKER	A	B	C	LOAD DESCRIPTION	CKT.	NOTES
GFCI	1	EMPLOYEE TABLE RECEPT.	360			20/1	20/1	720			FOOD PROCESSOR	2	GFCI
	3	UTILITY ROOM RECEPT.		180		20/1	20/1		1728		TEA BREWER	4	GFCI
	5	DINING/CORRIDOR GEN REC.			540	20/1	45/2			4680	DISHWASHER	6	HPL
	7	WORK ROOM RECEPT.	180			20/1	---	4680			-----	8	
GFCI	9	BEER SYSTEM		1560		20/1	20/1		1620		FOOD PROCESSOR	10	GFCI
	11	ICE CUBER			1477	15/2	20/1			600	WS-1	12	HPL
	13	-----	1477			---	20/1	1440			TANKLESS HWH-1	14	HPL
GFCI	15	BAG-IN-BOX		1800		20/1	20/1		1800		NITROGEN TANK	16	GFCI
GFCI	17	DIPPING CABINET			1800	20/1	20/1			1800	ICE CHEST/SODA TOWER	18	GFCI
GFCI	19	MIXER	1800			20/1	20/1	720			BEVERAGE DISPENSER	20	GFCI
GFCI	21	MIXER		624		20/1	20/1		780		DIPPING CABINET	22	GFCI
GFCI	23	HAND MIXER			660	20/1	20/1			500	DATA RACK 2	24	
GFCI	25	BEVERAGE DISPENSER	1200			20/1	20/1	500			DATA RACK 1	26	
GFCI	27	ICE CHEST/SODA TOWER		1800		20/1	20/1		300		OFFICE PRINTER	28	
GFCI	29	KDS MONITOR			600	20/1	20/1			1500	HAND DRYER	30	HPL
GFCI	31	NOTIFICATION BOARD	500			20/1	20/1	432			DISPLAY FREEZER	32	GFCI
GFCI	33	PAGER SYSTEM		500		20/1	20/1		300		SECURITY ALARM	34	HLO
	35	ORDER KIOSK PLUGMOLD			1440	20/1	20/1			900	ORDER COUNTER GEN REC.	36	
	37	MANAGERS DESK IG	720			20/1	20/1	1200			P.O.S. TERMINALS	38	GFCI
	39	FLUSHVALVE		400		20/1	20/1		600		KDS MONITOR	40	GFCI
	41	FAUCET			360	20/1	20/1			1500	HAND DRYER	42	HPL
HPL	43	OIL TANK	1800			20/1	20/1	1260			SHOW WINDOW REC.	44	
HPL	45	OIL TANK		1800		20/1	20/1		900		RECEPT.	46	
GFCI	47	KDS MONITOR			1500	20/1	15/1			612	AC-1	48	
TC	49	P-1	400			15/1	20/2	611			ASHP-1	50	
TC	51	EF-3		448		15/1	---		611		-----	52	
HLO	53	LIGHTING/EM			1535	20/1	20/1			1418	PATIO/EXTERIOR LIGHTING	54	
	55	LIGHTING	1169			20/1	20/1	1200			SFSG NEON SIGNAGE	56	
	57	EXTERIOR SIGNAGE		1200		20/1	20/1		1080		CONTROLLED RECEPT	58	
	59	FANS			413	20/1	20/1			500	LUTRON VIVE HUB	60	
	61	MOTORIZED DAMPER	20			20/1	20/1	100			REAR DOOR BUZZER	62	
	63	EXTERIOR SIGNAGE		1200		20/1	20/1		180		DRIVE THRU LOOP NOTIFIC.	64	GFCI
	65	EXT. DIRECTIONAL SIGN			500	20/1	20/1				SPARE	66	
	67	SITE LIGHTING	148			20/1	20/1	500			ORDER MENUBOARD	68	
	69	EXTERIOR RECEPT.		180		20/1	20/1		500		ORDER MENUBOARD	70	
GFCI	71	CO2 MONITORING SYSTEM			180	20/1	20/1			200	IRRIGATION CONTROL REC.	72	
	73	HEADSET/BATTERY CHRGR	1000			20/1	20/1	500			PRE MENUBOARD	74	
	75	DT TIMER		200		20/1	20/1		500		PRE MENUBOARD	76	
	77	DT MONITOR			500	20/1	20/1			500	CANOPY	78	
	79	SPACE ONLY					20/1	500			CANOPY	80	
	81	SPACE ONLY									SPACE ONLY	82	
	83	SPACE ONLY									SPACE ONLY	84	

NOTES:
* SEE SPECIFICATIONS FOR OTHER OPTIONS REQUIRED BUT NOT NECESSARILY NOTED HERE
GFCI CIRCUIT BREAKER SHALL BE GROUND-FAULT CIRCUIT INTERRUPTING (GFCI) TYPE
HLO CIRCUIT BREAKER SHALL BE EQUIPPED WITH HANDLE LOCK-ON DEVICE (SQUARE D #HLO1 OR EQUAL)
HPL CIRCUIT BREAKER SHALL HAVE PERMANENTLY-INSTALLED HANDLE PADLOCK ATTACHMENT TO LOCK BREAKER IN OPEN POSITION (SQUARE D #QO*PAF OR EQUAL)
TC CIRCUIT SHALL BE ROUTED THROUGH TIMECLOCK FOR AUTOMATIC CONTROL. SEE LIGHTING CONTROL DETAILS.

LOAD ANALYSIS FOR PANEL "P1" (INCLUDING SUBFEEDS)

LOAD DESCRIPTION	DEMAND FACTOR	PHASE A (VA)		PHASE B (VA)		PHASE C (VA)		TOTAL (VA)	
		CONNECT.	DEMAND	CONNECT.	DEMAND	CONNECT.	DEMAND	CONNECT.	DEMAND
LIGHTING:	125%	1317	1646	0	0	2953	3692	4270	5337
RECEPTACLE:	100%	3300	3300	3520	3520	2120	2120	8940	8940
OTHER CONTINUOUS:	125%	4500	5625	5200	6500	2713	3392	12413	15517
OTHER NONCONTINUOUS:	100%	2520	2520	700	700	5300	5300	8520	8520
WATER HEATING:	100%	1440	1440	0	0	0	0	1440	1440
KITCHEN:	65%	11029	7169	12312	8003	12517	8137	35858	23308
MOTOR:	100%	1031	1031	1059	1059	612	612	2702	2702
ADD 25% OF LARGEST MOTOR:	100%	102	102	102	102	102	102	306	306
TOTAL:		25239	22833	22893	19884	26317	23353	74449	66069
EQUIVALENT AMPS:		211	191	191	166	220	195	207	184
PHASE BALANCE:			3.68%		-9.71%		6.04%		

ELECTRIC HEATER SCHEDULE

MARK	BTU PER HOUR	WATTS	VOLTAGE	PHASE	AMPS	MANUFACTURER	CATALOG NUMBER				REMARKS
							HEATER	FRAME	THERMOSTAT	DISCONNECT	
ECH-1	13,652 BTU/HR	6,000 W	208V	1 PHASE	28.8A	BROMIC	6000 SERIES	N/A	N/A	N/A	1
EUH-1	12,287 BTU/HR	3,600 W	208V	1 PHASE	17.3A	QMARK	EFF4804	N/A	INTEGRAL	INTEGRAL	1

REMARKS:
1. COORDINATE FINAL FINISH AND COLOR WITH ARCHITECT.

PANEL "P2"

FED FROM: POWER PANEL "DP"
VOLTAGE: 120/208V, 3 PHASE, 4 WIRE
BUS MATERIAL: ALUMINUM OR COPPER
BUS LOAD: 306 AMPS
BUS RATING: 400 AMPS
MAIN: MAIN LUG ONLY
MOUNTING: FLUSH MOUNTED
ENCLOSURE: NEMA 1
FAULT CURRENT: 46321 AMPS
AIC/SCCR RATING: 65 kAIC
OPTIONS*: BONDED EQUIPMENT GROUND BAR

			LOAD (VA)					LOAD (VA)					
NOTES	CKT.	LOAD DESCRIPTION	A	B	C	BREAKER	BREAKER	A	B	C	LOAD DESCRIPTION	CKT.	NOTES
HPL	1	HEAT LAMP	1310			15/2	20/1	180			DISPLAY FREEZER	2	GFCI
	3	-----		1310		---	15/2		1393		TOASTER CONVEYOR	4	GFCI
HPL	5	HEAT LAMP			853	15/2	---			1393	-----	6	
	7	-----	853			---	20/1	2160			SANDWICH/SALAD REF.	8	GFCI
HPL	9	HEAT LAMP		1664		20/2	20/1		1800		WALK-IN CONNECTION	10	
	11	-----			1664	---	20/3			1801	FROZEN CUSTARD	12	GFCI
NOTE 1	13	GAS GRIDDLE TOP	480			20/1	---	1801			-----	14	
NOTE 1	15	REFRIGERATED BASE		2088		20/1	---		1801		-----	16	
NOTE 1	17	GREASE COLLECTOR			840	20/1	20/3			1801	FROZEN CUSTARD	18	GFCI
NOTE 1	19	FRENCH FRY WARMER	1092			20/1	---	1801			-----	20	
NOTE 1	21	FRYER BATTERY		816		20/1	---		1801		-----	22	
NOTE 1	23	REFRIGERATED BASE			1044	20/1	20/1			2028	FOOD TOPPING WARMER	24	GFCI
	25	1C	1560			20/2	20/1	264			WORKTOP FREEZER	26	GFCI
	27	-----		1560		---	40/2		3001		ECH-1	28	HPL
HPL	29	ECH-1			3001	40/2	---			3001	-----	30	
	31	-----	3001			---	40/2	3001			ECH-1	32	HPL
HPL	33	ECH-1		3001		40/2	---		3001		-----	34	
	35	-----			3001	---	40/2			3001	ECH-1	36	HPL
HPL	37	ECH-1	3001			40/2	---	3001			-----	38	
	39	-----		3001		---	20/1		360		RTU RECEPT.	40	
GFCI	41	RETHERMALIZER			3099	30/2	20/1			1800	1A	42	
	43	-----	3099			---	20/3	828			161	44	
HPL	45	DISHWASHER		4680		45/2	---		828		-----	46	
	47	-----			4680	---	---			828	-----	48	
	49	161	828			20/3	25/2	2080			1D	50	
	51	-----		828		---	---		2080		-----	52	
	53	-----			828	---	15/1			1000	DRIVE-THRU WINDOW	54	HPL
GFCI	55	FOOD SHELF WARMER	1140			20/1	20/1	1500			HOOD CONTROLS	56	
GFCI	57	FOOD SHELF WARMER		948		20/1	35/1		1656		EF-1	58	
GFPE	59	FREEZER HEAT TAPE			1000	20/1	40/2			3328	DRIVE-THRU AIR CURTAIN	60	
	61	EF-2	1656			35/1	---	3328			-----	62	
	63	SPARE				20/1	20/2		1664		HEATED HOLDING BIN	64	
	65	SPARE				20/1	---			1664	------	66	
	67	SPARE				20/1	20/1	576			UC REFRIGERATOR	68	
	69	SPARE				20/1	20/1				SPARE	70	
	71	SPARE				20/1	20/1				SPARE	72	
	73	SPARE				20/1	20/1				SPARE	74	
	75	SPARE				20/1	25/2		1800		EUH-1	76	
	77	SPARE				20/1	---			1800	-----	78	
	79	WALK-IN CONNECTION	1800			20/1	20/1				SPARE	80	
ST	81	SHUNT TRIP CONTACTOR				20/1	20/1				SPARE	82	
	83	SHUNT TRIP COIL					20/1				SPARE	84	

NOTES:
* SEE SPECIFICATIONS FOR OTHER OPTIONS REQUIRED BUT NOT NECESSARILY NOTED HERE
GFCI CIRCUIT BREAKER SHALL BE GROUND-FAULT CIRCUIT INTERRUPTING (GFCI) TYPE
GFPE CIRCUIT BREAKER SHALL BE GROUND-FAULT PROTECTION OF EQUIPMENT (GFPE) TYPE
ST CIRCUIT BREAKER SHALL BE EQUIPPED WITH SHUNT TRIP COIL
HPL CIRCUIT BREAKER SHALL HAVE PERMANENTLY-INSTALLED HANDLE PADLOCK ATTACHMENT TO LOCK BREAKER IN OPEN POSITION (SQUARE D #QO*PAF OR EQUAL)
NOTE 1 CIRCUIT SHALL BE ROUTED THROUGH CONTACTOR C-ST. CIRCUIT BREAKER SHALL BE GROUND FAULT CIRCUIT INTERRUPTING (GFCI) TYPE.

LOAD ANALYSIS FOR PANEL "P2" (INCLUDING SUBFEEDS)

LOAD DESCRIPTION	DEMAND FACTOR	PHASE A (VA)		PHASE B (VA)		PHASE C (VA)		TOTAL (VA)	
		CONNECT.	DEMAND	CONNECT.	DEMAND	CONNECT.	DEMAND	CONNECT.	DEMAND
RECEPTACLE:	100%	0	0	360	360	0	0	360	360
OTHER NONCONTINUOUS:	100%	3300	3300	3193	3193	1393	1393	7886	7886
KITCHEN:	65%	14756	9592	16772	10902	20474	13309	52002	33802
HEATING ONLY:	100%	15332	15332	13804	13804	17132	17132	46267	46267
MOTOR:	100%	6952	6952	6952	6952	4456	4456	18360	18360
ADD 25% OF LARGEST MOTOR:	100%	347	347	347	347	347	347	1040	1040
TOTAL:		40687	35523	41428	35557	43802	36636	125915	107715
EQUIVALENT AMPS:		340	297	346	297	366	306	350	299
PHASE BALANCE:			-1.07%		-0.97%		2.03%		

POWER PANEL "DP"

FED FROM: UTILITY TRANSFORMER
VOLTAGE: 120/208V, 3 PHASE, 4 WIRE
BUS MATERIAL: ALUMINUM OR COPPER
BUS LOAD: 706 AMPS
BUS RATING: 800 AMPS
MAIN: MAIN LUG ONLY
MOUNTING: FLUSH MOUNTED
ENCLOSURE: NEMA 1
FAULT CURRENT: 54058 AMPS
AIC/SCCR RATING: 65 kAIC
OPTIONS*: BONDED EQUIPMENT GROUND BAR

			LOAD (VA)					LOAD (VA)					
NOTES	CKT.	LOAD DESCRIPTION	A	B	C	BREAKER	BREAKER	A	B	C	LOAD DESCRIPTION	CKT.	NOTES
	1	RTU-1	7905			90/3	80/3	7059			RTU-2	2	
		-----		7905		---	---		7059		-----		
		-----			7905	---	---			7059	-----		
	3	SPACE ONLY					25/3	1273			MUA-1	4	
		-----					---		1273		-----		
		-----					---			1273	-----		
	5	1B	2402			25/3	50/3	4491			CU-1	6	
		-----		2402		---	---		4491		-----		
		-----			2402	---	---			4491	-----		
	7	SUBFEED PANEL 'P1'	22832			200/3	400/3	35522			SUBFEED PANEL 'P2'	8	
		------		19884		---	---		35557		------		
		------			23352	---	---			36635	------		
	9	SPACE ONLY									SPACE ONLY	10	
		------									------		
		-----									-----		
	11	SPACE ONLY									SPACE ONLY	12	
		------									------		
		-----									-----		
	13	SPACE ONLY									SPACE ONLY	14	
		------									------		
		-----									-----		

NOTES:
* SEE SPECIFICATIONS FOR OTHER OPTIONS REQUIRED BUT NOT NECESSARILY NOTED HERE

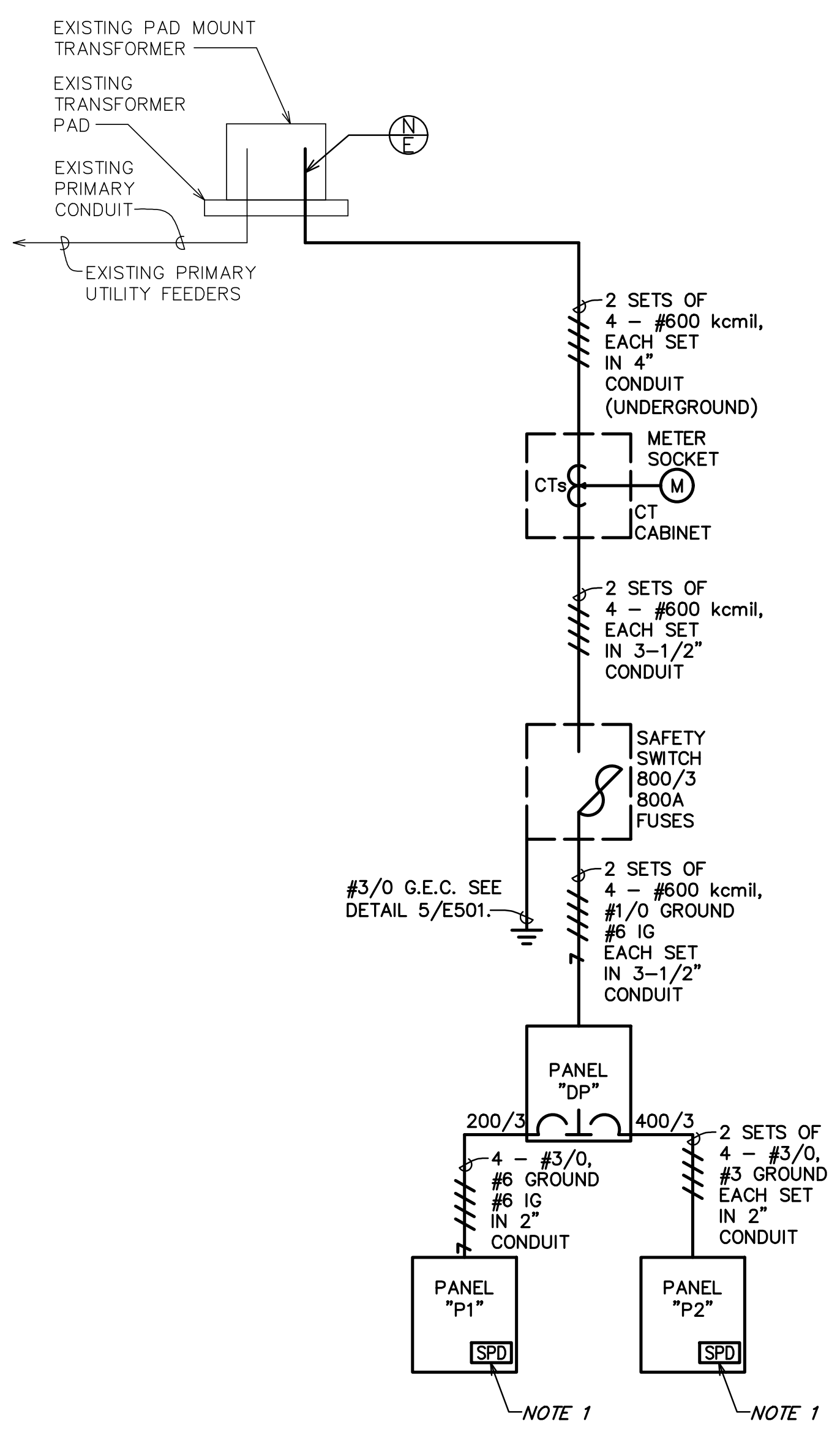
LOAD ANALYSIS FOR POWER PANEL "DP" (INCLUDING SUBFEEDS)

LOAD DESCRIPTION	DEMAND FACTOR	PHASE A (VA)		PHASE B (VA)		PHASE C (VA)		TOTAL (VA)	
		CONNECT.	DEMAND	CONNECT.	DEMAND	CONNECT.	DEMAND	CONNECT.	DEMAND
LIGHTING:	125%	1317	1646	0	0	2953	3692	4270	5337
RECEPTACLE:	100%	3300	3300	3880	3880	2120	2120	9300	9300
OTHER CONTINUOUS:	125%	4500	5625	5200	6500	2713	3392	12413	15517
OTHER NONCONTINUOUS:	100%	5820	5820	3893	3893	6693	6693	16406	16406
WATER HEATING:	100%	1440	1440	0	0	0	0	1440	1440
KITCHEN:	65%	25785	16761	29084	18905	32991	21445	87860	57109
HEATING ONLY:	100%	15332	15332	13804	13804	17132	17132	46267	46267
MOTOR:	100%	31114	31114	31142	31142	28199	28199	90453	90453
ADD 25% OF LARGEST MOTOR:	100%	1977	1977	1977	1977	1977	1977	5929	5929
TOTAL:		90584	83013	88979	80099	94777	84646	274338	247757
EQUIVALENT AMPS:		755	692	742	668	790	706	762	688
PHASE BALANCE:			0.52%		-3.01%		2.49%		

FOODSERVICE ELECTRICAL SCHEDULE

			ELECTRICAL						ROUGH-IN / CONNECTION				
ITEM NO.	QTY	DESCRIPTION	VOLTS	CYCLE	PHASE	KW	HP	AMPS	TYPE	NEMA	ROUTING	HGT AFF	REMARKS
1	1	WALKIN COOLER/FREEZER COMBO	120	0 Hz	1	1.92		16.00 A	JBOX		DFA		E.C. TO MOUNT AND INTERWIRE FROM SWITCH TO FLOURSCENT LIGHT FIXTURES.
1A	1	COOLER EVAPORATOR	120/208	0 Hz	1	0.21		1.00 A					INFORMATION SHOWN IS FOR COORDINATION AND IS TO BE VERIFIED WITH THE SHOP DRAWINGS.
1B	1	AIR-COOLED COOLER CONDENSING UNIT	120/208	60 Hz	3	1.72	2	8.25 A		-			INFORMATION SHOWN IS FOR COORDINATION AND IS TO BE VERIFIED WITH THE SHOP DRAWINGS.
1C	1	FREEZER EVAPORATOR	120/208	0 Hz	1	0.21		1.00 A					INFORMATION SHOWN IS FOR COORDINATION AND IS TO BE VERIFIED WITH THE SHOP DRAWINGS.
1D	1	AIR-COOLED COOLER CONDENSING UNIT	120/208	60 Hz	1	1.72	2	8.25 A		-			INFORMATION SHOWN IS FOR COORDINATION AND IS TO BE VERIFIED WITH THE SHOP DRAWINGS.
36	1	ICE CUBER	120/208	60 Hz	1	2.95		14.20 A					TO TOP OF JUNCTION BOX.
63	1	DISHWASHER - UNDERCOUNTER	208	60 Hz	1	9.00	1	45.00 A		DIRECT			E.C. SHALL VERIFY DISHMACHINE PHASE WITH G.C. PRIOR TO ROUGH-IN, AS REQUIRED; REQUIRES3 WIRES AND GROUND CONNECTION. OUTLET TO BE 16" ADD TO TOP OF OUTLET.
75	1	MIXER, HAND	120	60 Hz	1	0.66	1			5-15P		48"	OUTLET TO BE 48" AFF TO TOP OF OUTLET.
77	1	RETHERMALIZER, WATER TANK, ELECTRIC	208	60 Hz	1	0.60		29.80 A		L6□30P		48"	OUTLET TO BE 48" AFF TO TOP OF OUTLET.
78	1	FOOD PROCESSOR	120	60 Hz	1	0.72	3/4	6.00 A		5-15P		48"	OUTLET TO BE 48" AFF TO TOP OF OUTLET.
90	1	EXHAUST HOOD	120	0 Hz					JBOX				STUB FROM CEILING, TO BE VERIFIED WITH OWNER PRIOR TO ROUGH-IN.
91	1	EXHAUST FAN	120	0 Hz	1	0.86	1	7.20 A	JBOX	DCO	VERIFY		STUB FROM ROOF, TO BE VERIFIED WITH OWNER PRIOR TO ROUGH-IN.
92	1	SUPPLY FAN	120	0 Hz	1	0.86	1	7.20 A	JBOX	DCO	VERIFY		STUB FROM ROOF, TO BE VERIFIED WITH OWNER PRIOR TO ROUGH-IN.
93	1	GREASE COLLECTOR	120	0 Hz	1	2.40		20.00 A		5-20P		16"	OUTLET TO BE 16" AFF TO TOP OF OUTLET.
94	1	ANSUL	120	0 Hz	1	0.96		8.00 A				88"	STUB FROM CEILING, TO BE VERIFIED WITH OWNER PRIOR TO ROUGH-IN, E.C. TO INTERWIRE TO BUILDING ALARM SYSTEM AND FOR EQUIPMENT SHUTDOWN.
100	2	GAS, COUNTER MODEL GRIDDLES		60 Hz	1	0.05		2.00 A					OUTLET TO BE 16" AFF TO TOP OF OUTLET.
100A	1	SAFETY SYSTEM MOVEABLE GAS CONNECTOR		0 Hz									
101A	1	SAFETY SYSTEM MOVEABLE GAS CONNECTOR		0 Hz									
102A	2	EQUIPMENT STAND, REFRIGERATED BASE		60 Hz	1	1.00	1/4	8.70 A		5-15P			OUTLET TO BE 16" AFF TO TOP OF OUTLET.
102E	1	48" REFRIGERATED BASE		60 Hz	1	1.00	1/4	8.70 A		5-15P			OUTLET TO BE 16" AFF TO TOP OF OUTLET.
103	1	FRYER BATTERY, GAS		60 Hz	1			1.40 A	C&P				OUTLET TO BE 16" AFF TO TOP OF OUTLET.
103A	1	SAFETY SYSTEM MOVEABLE GAS CONNECTOR		0 Hz									
103B	1	FILTER DRAWER	115	60 Hz	1	0.84	1/3	7.00 A	C&P	5-15P		16"	
104	1	FRYER BATTERY OF 2		60 Hz	1			1.40 A	C&P				OUTLET TO BE 16" AFF TO TOP OF OUTLET.
104A	1	SAFETY SYSTEM MOVEABLE GAS CONNECTOR		0 Hz									
104B	1	FILTER DRAWER	115	60 Hz	1	0.84	1/3	7.00 A	C&P	5-15P		16"	
105	1	FRY HOLDING STATIONS	120	60 Hz	1	1.09		9.10 A	C&P	5-15P		16"	OUTLET TO BE 16" AFF TO TOP OF OUTLET.
121	1	TOASTER, CONVEYOR	208	60 Hz	1	2.78		13.40 A	C&P	6-20P		42"	ELECTRICAL OUTLET AT 42" AFF TO THE BOTTOM OF OUTLET, E.C. TO MOUNT OUTLET HORIZONTAL.
122	1	PREP REFRIGERATOR		60 Hz	1		1/3	9.00 A		5-15P			OUTLET TO BE 16" AFF TO TOP OF OUTLET.
122A	1	PREP REFRIGERATOR		60 Hz	1		1/3	9.00 A		5-15P		16"	OUTLET TO BE 16" AFF TO TOP OF OUTLET.
123	1	WORKTOP FREEZER	115	60 Hz	1	0.24	1/4	2.20 A	C&P	5-15P		16"	
124	1	FOOD TOPPING WARMER	120	60 Hz	1	1.00		8.30 A	C&P	5-15P			ELECTRICAL OUTLET AT 42" AFF TO THE BOTTOM OF OUTLET, E.C. TO MOUNT OUTLET HORIZONTAL.
125	2	KDS SCREEN	120		1	1.80		15.00 A	JBOX	5-15P			STUB OUT OF WALL WITH ITEM #130, WIRE IN TOP CHASE. E.C. TO PROVIDE ISOLATED GROUND.
130	1	OVERSHELF		0 Hz	1			20.00 A	JBOX			76"	TO STUB OUT OF WALL WITH CIRCUITS FOR ITEM #'S 125, 131, 134, 135, 141, (6) 120V/1PH/20AMP CIRCUITS AND (6) DATA OUTLETS.
131	1	HEATED SHELF FOOD WARMER	120	60 Hz	1	0.95		8.00 A					STUB OUT OF WALL WITH ITEM# 130, WIRE IN TOP CHASE
131A	1	HEATED SHEKF FOOD WARMER	120	60 Hz	1	0.77		6.00 A					STUB OUT OF WALL WITH ITEM# 130, WIRE IN TOP CHASE
133	1	HEAT LAMP	120/208	60 Hz	1	3.10	-	16.00 A	JBOX	-			STUB OUT OF WALL WITH ITEM# 130, WIRE IN TOP CHASE
133A	1	HEAT LAMP	120/208	60 Hz	1	2.44	-	12.60 A	JBOX				STUB OUT OF WALL WITH ITEM# 130, WIRE IN TOP CHASE
134	1	HEAT LAMP	120/208	60 Hz	1	1.62	-	8.20 A	JBOX	-			STUB OUT OF WALL WITH ITEM# 130, WIRE IN TOP CHASE
135	1	BUILT IN HEATED SHELF	120	60 Hz	1	0.42		4.00 A					STUB OUT OF WALL WITH ITEM# 130, WIRE IN TOP CHASE
141	1	KDS SCREEN	120		1	1.80		15.00 A	JBOX	5-15P			STUB OUT OF WALL WITH ITEM# 130, WIRE IN TOP CHASE
143	2	CURVED LID DISPLAY FREEZER	115	60 Hz	1	1.60	1/3	1.00 A		5-15P		16"	
145	2	FOOD TOPPING WARMER	120	60 Hz	1	0.52		4.30 A	C&P	5-15P			ELECTRICAL OUTLET AT 42" AFF TO THE BOTTOM OF OUTLET, E.C. TO MOUNT OUTLET HORIZONTAL.
160	1	FROZEN CUSTARD MACHINE	208/230	60 Hz	3	3.12	3	15.00 A		L6-30P		16"	(2) CIRCUITS WITH OVER CURRENT PROTECTION DEVICE OUTLET TO BE 16" AFF TO TOP OF OUTLET, .E.C. TO PROVIDE CORD & PLUG PER LOCAL CODES, ALL TO BE VERIFIED WITH MANUFACTURERS SHOP DRAWINGS.
161	2	REMOTE CONDENSING UNIT	120/208	60 Hz	3	1.72	2	8.25 A		-			
162	1	FROZEN CUSTARD DIPPING CABINET	115	0 Hz	1	1.80		15.00 A	C&P	5-15		16"	OUTLET TO BE 16" AFF TO TOP OF OUTLET.
172	1	DIPPING CABINET	115	0 Hz	1	0.79	1/3	6.50 A				16"	OUTLET TO BE 16" AFF TO TOP OF OUTLET.
174	2	KDS SCREEN	120		1	1.80		15.00 A	JBOX	5-15P			STUB OUT OF WALL WITH ITEM# 130, WIRE IN TOP CHASE
181	1	COLD BEVERAGE DISPENSERS	120	60 Hz	1	0.45		4.00 A	C&P	5-15P		42"	ELECTRICAL OUTLET 42" AFF TO BOTTOM OF OUTLET, E.C. TO MOUNT OUTLET HORIZONTAL.
182	2	MIXER, DRINK / BAR	120	60 Hz		0.90	1/3	7.50 A	C&P	5-15P		42"	ELECTRICAL OUTLET AT 42" AFF TO THE BOTTOM OF OUTLET, E.C. TO MOUNT OUTLET HORIZONTAL.
184	1	MIXER, DRINK/BAR	120	60 Hz	1	0.62	3/4	5.20 A	C&P	5-15P		42"	ELECTRICAL OUTLET AT 42" AFF TO THE BOTTOM OF OUTLET, E.C. TO MOUNT OUTLET HORIZONTAL.
188	1	DISHWASHER - UNDERCOUNTER	208	60 Hz	1	9.00	1	45.00 A		DIRECT		16"	E.C. SHALL VERIFY DISHMACHINE PHASE WITH G.C. PRIOR TO ROUGH-IN, AS REQUIRED; REQUIRES3 WIRES AND GROUND CONNECTION. OUTLET TO BE 16" ADD TO TOP OF OUTLET.
203	2	ICE CHEST AND SODA TOWER	115	60 Hz	1							48"	E.C. TO VERIFY ALL UTILITY REQUIREMENTS WITH THE SODA VENDOR
204	1	TEA BREWER	120	0 Hz		1.73	-	14.40 A		5-15P		42"	ELECTRICAL OUTLET AT 42" AFF TO THE BOTTOM OF OUTLET, E.C. TO MOUNT OUTLET HORIZONTAL.
206	2	BEVERAGE DISPENSER	120	0 Hz	1	0.65		5.60 A		5-15P		60"	ELECTRICAL OUTLET AT 42" AFF TO THE BOTTOM OF OUTLET, E.C. TO MOUNT OUTLET HORIZONTAL.
208	1	KDS SCREEN	120		1	1.80		15.00 A	JBOX	5-15P			STUB OUT OF WALL WITH ITEM# 130, WIRE IN TOP CHASE
221	4	POS TERMINALS											
224	1	DRAFT BEER SYSTEM POWER PACK	120	60 Hz	1	1.44	1/3	12.00 A	C&P	5-20P		114"	E.C. TO VERIFY FINAL LOCATION WITH THE G.C.

KEYED NOTES:
1. PROVIDE INTERNALLY MOUNTED SURGE SUPPRESSION DEVICE FOR PANELBOARD. REFER TO SPECIFICATION SECTION 264313 ON SHEET E591 FOR REQUIREMENTS.


EXISTING PAD MOUNT TRANSFORMER
EXISTING TRANSFORMER PAD
EXISTING PRIMARY CONDUIT
EXISTING PRIMARY UTILITY FEEDERS
N E
2 SETS OF 4 - #600 kcmil, EACH SET IN 4" CONDUIT (UNDERGROUND)
CTs
METER SOCKET
M
CT CABINET
2 SETS OF 4 - #600 kcmil, EACH SET IN 3-1/2" CONDUIT
SAFETY SWITCH 800/3 800A FUSES
#3/0 G.E.C. SEE DETAIL 5/E501.
2 SETS OF 4 - #600 kcmil, #1/0 GROUND #6 IG EACH SET IN 3-1/2" CONDUIT
PANEL "DP"
200/3
400/3
4 - #3/0, #6 GROUND #6 IG IN 2" CONDUIT
2 SETS OF 4 - #3/0, #3 GROUND EACH SET IN 2" CONDUIT
PANEL "P1"
PANEL "P2"
SPD
SPD
NOTE 1
NOTE 1

1 ONE-LINE DIAGRAM
NOT TO SCALE

LEGEND
EXISTING
NEW WORK
NEW TO EXISTING CONNECTION

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SEAL/ SIGNATURE:

GREGORY ROY SCHNACKEL
NUMBER
E-026570
Date: 08/09/21
COA #: E-2009006642

NO.	BY	DATE	DESCRIPTION
6		2021-08-09	FIELD NOTICE #3
5		2021-05-17	FIELD NOTICE #2
4		2021-05-03	FIELD NOTICE #1
3		2021-04-26	ISSUED FOR CONSTRUCTION
2		2021-03-31	ADDENDUM #2
1		2021-03-09	ADDENDUM #1
		2021-01-11	PERMIT/BID SET
		2020-12-21	75% SET
		2020-10-12	DD SET

SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

LEE'S SUMMIT
MISSOURI
SHACK #1348

PERMIT/BID SET

ELECTRICAL SCHEDULES AND ONE-LINE

DRAWN BY: AEH
CHECKED BY: GRS
JOB NO: 20068.00

E601

LIGHTING CONTROL DEVICE SCHEDULE

MARK	CATALOG NUMBER	QUANTITY
HUB	HJS–O–FM	1
P2	PJ2–2B–GWH–L01	1
P2RL	PJ2–2BRL–GWH–L01	7
P4	PJ2–4B–GWH–EL2	1
DL	LRF2–DCRB–WH	1
OS	LRF2–OCR2B–P–WH	5

GENERAL NOTES:

A. SEE LUTRON ONE–LINE DIAGRAMS SHEETS E621, E622, E623 FOR ADDITIONAL INFORMATION.

LOAD CONTROLLER SCHEDULE

MARK	CATALOG NUMBER	QUANTITY
6D	MRF2S–6ND–120–GR	7
6D ELV	MRF2S–6ELV–120–GR	2
16S	RMJS–16R–DV–B	11
20S	RMJS–20R–DV–B	2
8TN	RMJS–8TN–DV–B	3

GENERAL NOTES:

A. SEE LUTRON ONE–LINE DIAGRAMS SHEETS E621, E622, E623 FOR ADDITIONAL INFORMATION.

LUMINAIRE SCHEDULE

MARK	MANUFACTURER	CATALOG NUMBER	VOLTAGE	WATTS	MOUNTING	LAMP QUANTITY	LAMP DESCRIPTION	LAMP TYPE	SELECTED BY OTHERS?	REMARKS
A1	TOPAZ	F–L24–50–835–D–HE2	120	50	CEILING, RECESSED	–	INTEGRAL LED	LED	YES	
A1–EM	TOPAZ	F–L24–50–835–D–HE2	120	50	CEILING, RECESSED	–	INTEGRAL LED	LED	YES	PROVIDE WITH NICOR EMB80 EM DRIVER
A2	TOPAZ	F–L22–30–835–D–HE2	120	30	CEILING, RECESSED	–	INTEGRAL LED	LED	YES	
A2–EM	TOPAZ	F–L22–30–835–D–HE2	120	30	CEILING, RECESSED	–	INTEGRAL LED	LED	YES	PROVIDE WITH NICOR EMB80 EM DRIVER
B1	BEST LIGHTING	LEDUC–E24–3K CORDPLUG–WHT–6C3P	120	10	UNDERCABINET	–	INTEGRAL LED	LED	YES	
C	CONTECH LIGHTING	HEAD: CTL603–P TRACK: LT–LENGTH–P	120	12	TRACK	1	TCP #LED12P30D27KNFL	LED	YES	PROVIDE LA–23–RN–P CURRENT LIMITING DEVICE PER PLANS. 1A=REG1, 2A=REG21, 3A=REG4, 4A=REG5 LENGTH = SEE PLAN FOR REQUIRED LENGTHS
ELF	AXIS LIGHTING	WBRLED–900–80–27–S–4–W–UNV–DP–1–D	120	40	CEILING, RECESSED	–	INTEGRAL LED	LED	YES	
P5	TUDO AND CO	GLASS BUBBLE LAMP SHADE PENDANT	120	9	CEILING, SUSPENDED	1	LED E27 BASE LEDLIGHT #65844 OR SIMILAR	LED	YES	VERIFY FINAL MOUNTING HEIGHT WITH ARCHITECT
R1	JUNO	IC22LED–G4–14LM–27K–90CRI–120–FRPC 24 WWH	120	20	CEILING, RECESSED	–	INTEGRAL LED	LED	YES	
R2	JUNO	IC4AL–07LM–27K–90CRI–FL–120–FRPC 42 PTSC	120	11	CEILING, RECESSED	–	INTEGRAL LED	LED	YES	
R4	JUNO	MG1LG2–27K–NFL–SN	12	5	CEILING, RECESSED	–	INTEGRAL LED	LED	YES	
XL	DIODE LED	DI–12V–0160 BLAZE	12	3W/FT	CEILING, SURFACE	–	INTEGRAL LED	LED	YES	
L	DIODE LED	DI–12V–FV30–80SP	12	1.5W/FT	CEILING, SURFACE	–	INTEGRAL LED	LED	YES	
G1	LITHONIA	ZLD–L48–3000LM–FST–MVOLT–4000K–80CRI–WH	120	30	CEILING, SURFACE	–	INTEGRAL LED	LED	YES	
E1W	BEST LIGHTING	R–16–LED	120	5	CEILING, SURFACE	2	3W LED LAMPS	LED	YES	
E3W	BEST LIGHTING	R–16HO–LED	120	15	CEILING, SURFACE	2	3W LED LAMPS	LED	YES	
E4	BEST LIGHTING	RHLED–2–WP–MV–B	6	2	CEILING, SURFACE	2	3W LED LAMPS	LED	YES	
EX1	BEST LIGHTING	ELXTEU–1–R–C–A–EM	120	4	CEILING, SUSPENDED	–	INTEGRAL LED	LED	YES	
EX2	BEST LIGHTING	EZXTEU–2–R–W–W–EM–SDT	120	4	WALL, SURFACE	–	INTEGRAL LED	LED	YES	
XC4	MINKA AIRE	F753–KA	120	47	CEILING, SURFACE	–	NO LAMPING	–	YES	
X3WA–EM	LUMARK	XTOR9A–N–CBP	120	79	WALL, RECESSED	–	INTEGRAL LED	LED	YES	

LAMP TYPE CODES: FL=LINEAR FLUORESCENT, CFL=COMPACT FLUORESCENT, IND=INCANDESCENT, MH=METAL HALIDE, HPS=HIGH PRESSURE SODIUM, LED=LIGHT EMITTING DIODE

LUMINAIRE SCHEDULE GENERAL NOTES:

A. LUMINAIRE SYMBOLS THAT ARE SHOWN HALF–SHADED, OR LABELED "EM", ON THE PLAN(S) INDICATE LUMINAIRES THAT SERVE AS EMERGENCY LIGHTING. UNLESS SERVED BY A CIRCUIT ORIGINATING AT AN EMERGENCY PANELBOARD OR CENTRAL LIGHTING INVERTER, EMERGENCY LIGHTING LUMINAIRES SHALL BE PROVIDED WITH AN EMERGENCY BATTERY TO PROVIDE EMERGENCY ILLUMINATION FOR A MINIMUM OF 90 MINUTES.

B. INTEGRAL EMERGENCY BATTERIES SHALL MEET THE FOLLOWING MINIMUM PERFORMANCE REQUIREMENTS UNLESS OTHERWISE INDICATED:
- LINEAR FLUORESCENT LUMINAIRES: 1400 LUMENS, MINIMUM, PER LUMINAIRE.
- COMPACT FLUORESCENT LUMINAIRES: 1100 LUMENS, MINIMUM, PER LUMINAIRE.
- INTEGRATED LED LUMINAIRES RATED 1000 LUMENS OR LESS: 10 WATT, MINIMUM, OUTPUT.
- INTEGRATED LED LUMINAIRES RATED GREATER THAN 1000 LUMENS: 20 WATT, MINIMUM, OUTPUT.

C. ANY PROPOSED SUBSTITUTIONS FOR LUMINAIRES THAT ARE SELECTED BY OTHERS REQUIRE THE APPROVAL OF THE SPECIFYING ENTITY.

D. PROVIDE LIGHT EMITTING DIODES (LEDS) BINNED WITHIN A MAXIMUM THREE–STEP MACADAM ELLIPSE TO ENSURE COLOR CONSISTENCY AMONGST LUMINAIRES OF THE SAME TYPE AND LEDS THAT MEET UL STANDARD 8750 "LIGHT EMITTING DIODE EQUIPMENT FOR USE IN LIGHTING PRODUCTS," IES STANDARD LM–79 "ELECTRICAL AND PHOTOMETRIC MEASUREMENTS OF SOLID–STATE LIGHTING PRODUCTS," IES STANDARD LM–80 "MEASURING LUMEN MAINTENANCE OF LED LIGHT SOURCES," IES STANDARD TM–21 "PROJECTING LONG TERM LUMEN MAINTENANCE OF LED LIGHT SOURCES," AND ANSI C78.377 "SPECIFICATIONS FOR THE CHROMATICITY OF SOLID STATE LIGHTING PRODUCTS." LED LUMINAIRES SHALL BE MODULAR AND ALLOW FOR SEPARATE REPLACEMENT OF LED LAMPS AND DRIVERS. USER SERVICEABLE LED LAMPS AND DRIVERS SHALL BE REPLACEABLE FROM THE ROOM SIDE. LED DRIVERS SHALL BE ELECTRONIC–TYPE, LABELED AS COMPLIANT WITH RADIO FREQUENCY INTERFERENCE (RFI) REQUIREMENTS OF FCC TITLE 47 PART 15, AND COMPLY WITH NEMA SSL 1 "ELECTRONIC DRIVERS FOR LED DEVICES, ARRAYS, OR SYSTEMS." LED DRIVERS SHALL HAVE A SOUND RATING OF "A," HAVE A MINIMUM EFFICIENCY OF 85 PERCENT, AND SHALL HAVE A TOTAL HARMONIC DISTORTION (THD) OF LESS THAN 20 PERCENT AT ALL INPUT VOLTAGES.

Control Intent & Schedules1

Store Name: Shake Shack - Lee's Summit
Shake Shack Store #: 1348
Lutron Project #: 2150070

Customer Circuit #	Feed Circuit #	Lutron Circuit # (Lutron Use)	Zone Location	Fixture Type	Specified Zone Name	Zone Type	Dim/Non-Dim2	Load Type	Load Controller (Lutron Use)
1	P1-53	To be filled out by Lutron	Interior: Back-of-House	R1	OPEN KITCHEN	Kitchen - Open Area	DIM	Forward Phase	[Select Load Controller]
2	P1-53	To be filled out by Lutron	Interior: Back-of-House	R4	ORDER/PICKUP COUNTER	Kitchen - Open Area	DIM	Reverse Phase	[Select Load Controller]
3	P1-53	To be filled out by Lutron	Interior: Back-of-House	A1, A1-EM	WORK ROOM	Ktichen - Work Area (R4)	DIM	0-10V	[Select Load Controller]
4	P1-53	To be filled out by Lutron	Interior: Back-of-House	A1-EM	MANAGER'S OFFICE	Manager's Office	DIM	0-10V	[Select Load Controller]
5	P1-53	To be filled out by Lutron	Interior: Front-of-House	R2	MEN'S RESTROOM	Restrooms	DIM	Forward Phase	[Select Load Controller]
6	P1-53	To be filled out by Lutron	Interior: Front-of-House	R2	WOMEN'S RESTROOM	Restrooms	DIM	Forward Phase	[Select Load Controller]
7	P1-53	To be filled out by Lutron	Interior: Front-of-House	R2	CORRIDOR	Restroom Hallway	DIM	Forward Phase	[Select Load Controller]
8	P1-55	To be filled out by Lutron	Interior: Front-of-House	C	DINING TRACK A	Dining Area	DIM	Forward Phase	[Select Load Controller]
9	P1-55	To be filled out by Lutron	Interior: Front-of-House	C	DINING TRACK B	Dining Area	DIM	Forward Phase	[Select Load Controller]
10	P1-55	To be filled out by Lutron	Interior: Front-of-House	C	QUEUING TRACK	Queuing Area	DIM	Forward Phase	[Select Load Controller]
11	P1-55	To be filled out by Lutron	Interior: Front-of-House	P5	DINING PENDANTS	Dining Area	DIM	Reverse Phase	[Select Load Controller]
12	P1-55	To be filled out by Lutron	Interior: Front-of-House	R2	VESTIBULE	Vestibule / Entry	DIM	Forward Phase	[Select Load Controller]
13	P1-55	To be filled out by Lutron	Interior: Front-of-House	L	INT. SIGN BAND OF LETTERS	Interior Signage and Menu Board	NON-DIM	Non-Dim	[Select Load Controller]
14	P1-55	To be filled out by Lutron	Interior: Back-of-House	G1	UTILITY ROOM	Work Room3	DIM	0-10V	[Select Load Controller]
15	P1-54	To be filled out by Lutron	Exterior: All	XL	EXT. SIGN BAND OF LETTERS	Exterior Signage including LED tape at band of letters	NON-DIM	Non-Dim	[Select Load Controller]
16	P1-54	To be filled out by Lutron	Exterior: All	ELF4	PATIO A	Exterior Patio Lights	NON-DIM	Non-Dim	[Select Load Controller]
17	P1-54	To be filled out by Lutron	Exterior: All	ELF4	PATIO B	Exterior Patio Lights	NON-DIM	Non-Dim	[Select Load Controller]
18	P1-78	To be filled out by Lutron	Exterior: All	DRIVE THRU CANOPY	DRIVE-THRU CANOPY	Exterior Building Lights including canopy downlights, wall packs, and security lights	NON-DIM	Non-Dim	[Select Load Controller]
19	P1-54	To be filled out by Lutron	Exterior: All	X3WA-EM	REAR DOORS	Exterior Building Lights including canopy downlights, wall packs, and security lights	NON-DIM	Non-Dim	[Select Load Controller]
20	P1-56	To be filled out by Lutron	Interior: Front-of-House	SFSG SIGN	SFSG SIGN	Interior Signage and Menu Board	NON-DIM	Non-Dim	[Select Load Controller]
21	P1-57	To be filled out by Lutron	Exterior: All	BUILDING SIGN	BUILDING SIGNAGE A	Exterior Signage including LED tape at band of letters	NON-DIM	Non-Dim	[Select Load Controller]
22	P1-63	To be filled out by Lutron	Exterior: All	BUILDING SIGN	BUILDING SIGNAGE B	Exterior Signage including LED tape at band of letters	NON-DIM	Non-Dim	[Select Load Controller]
23	P1-58	To be filled out by Lutron	Interior: Back-of-House	RECEPTACLE FOR B1	OFFICE UNDERCOUNTER	Manager's Office	NON-DIM	Non-Dim	[Select Load Controller]
24	P1-58	To be filled out by Lutron	Interior: Back-of-House	CONTROLLED RECEPT	OFFICE CONTROLLED RECEPT.	Time Clock On/Off	NON-DIM	Non-Dim	[Select Load Controller]
25	P1-65	To be filled out by Lutron	Exterior: All	SITE SIGN	SITE SIGNAGE	Exterior Signage including LED tape at band of letters	NON-DIM	Non-Dim	[Select Load Controller]
26	P1-67	To be filled out by Lutron	Exterior: All	LANDLORD PROVIDED	SITE LIGHTING	Exterior Parking Lightings	NON-DIM	Non-Dim	[Select Load Controller]
27	P1-80	To be filled out by Lutron	Exterior: All	DRIVE THRU CANOPY	DRIVE-THRU CANOPY	Exterior Building Lights including canopy downlights, wall packs, and security lights	NON-DIM	Non-Dim	[Select Load Controller]

Customer Circuit #	Include on "Front of House" Keypad	Include on "Signage" Keypad	Include on "Back of House" Keypad	Local Manual Control Keypad	System Webpage Control		Occupancy / Vacancy	Daylight Harvesting2		Sunrise	6:00am	10:45 AM	Sunset	10:00 PM	12:00 AM	Spare Event	Spare Event	Spare Event
	Manual Controls						Auto			Schedule								
1	-	-	?	?	?		—	-		-	100%	-	-	-	10%			
2	-	-	?	?	?		—	-		-	100%	-	-	-	10%			
3	-	-	?	?	?		—	-		-	100%	-	-	-	10%			
4	-	-	?	?	?		?	-		-	-	-	-	-	-			
5	-	-	-	?	?		?	-		-	-	-	-	-	-			
6	-	-	-	?	?		?	-		-	-	-	-	-	-			
7	?	—	—	-	?		-	-		-	100%	80%	50%	100%	10%			
8	?	—	—	-	?		-	?		-	100%	80%	50%	100%	0%			
9	?	—	—	-	?		-	?		-	100%	80%	50%	100%	0%			
10	?	—	—	-	?		-	?		-	100%	80%	50%	100%	10%			
11	?	—	—	-	?		-	?		-	100%	80%	50%	100%	0%			
12	?	—	—	-	?		-	?		-	100%	80%	50%	100%	10%			
13	?	?	—	-	?		-	?		-	-	100%	80%	100%	0%			
14	-	-	?	?	?		?	-		-	100%, DO3	-	-	-	-, EO3			
15	-	?	-	?	?		-	-		-	-	ON	-	-	OFF			
16	-	-	-	?	?		-	-		-	-	ON	-	-	OFF			
17	-	-	-	?	?		-	-		-	-	ON	-	-	OFF			
18	-	-	-	-	?		-	—		OFF	-	ON	-	-	-			
19	-	-	-	-	?		-	—		OFF	-	ON	-	-	-			
20	?	?	—	-	?		-	?		-	-	100%	80%	100%	0%			
21	-	?	-	?	?		-	-		-	-	ON	-	-	OFF			
22	-	?	-	?	?		-	-		-	-	ON	-	-	OFF			
23	-	-	?	?	?		?	-		-	-	-	-	-	-			
24	-	-	-	-	?		-	—		-	ON	-	-	-	OFF			
25	-	?	-	?	?		-	-		-	-	ON	-	-	OFF			
26	-	-	-	-	?		-	—		-	-	ON	-	-	OFF			
27	-	-	-	-	?		-	—		OFF	-	ON	-	-	-			

Project Notes:
1) Where schedule deviates from Shake Shack standard, state why in notes.
2) Where required/allowed by local energy code.
3) Disable Occupancy ("DO") Sensor at 6:00am and turn ON lights. Enable Occupancy ("EO") Sensor at close + 60minutes.
4) " - " means Unaffected or Not Applicable.

Form Notes:
1) "Hidden" unused rows.
2) "?" implies Zone Type cell for given zone does not match a valid Zone Type from approved list or is waiting to be filled in.

Store Hours	CONTROLS		LOCKS
Open	11:00 AM		0:15
Close	10:00 PM		1:00

Bergmeyer

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SEAL/ SIGNATURE:

GREGORY ROY SCHNACKEL
NUMBER
E–026570

Date: 08/09/21
COA #: E–2009006642

NO.	BY	DATE	DESCRIPTION
6		2021-08-09	FIELD NOTICE #3
5		2021-05-17	FIELD NOTICE #2
4		2021-05-03	FIELD NOTICE #1
3		2021-04-26	ISSUED FOR CONSTRUCTION
2		2021-03-31	ADDENDUM #2
1		2021-03-09	ADDENDUM #1
		2021-01-11	PERMIT/BID SET
		2020-12-21	75% SET
		2020-10-12	DD SET

SHAKE SHACK

SHAKE SHACK - LEE'S SUMMIT MO

LEE'S SUMMIT
MISSOURI
SHACK #1348

PERMIT/BID SET

LIGHTING SCHEDULES

DRAWN BY: AEH
CHECKED BY: GRS
JOB NO: 20068.00

E620