

WOOSTER, OH 44691



Building Being Renovated (64-1724)



Project Description:

Fire Separation / Fire Suppression / Fire Alarm Notes:

General Notes:

- 1) All references in this section are to the 2011 Ohio Building Code (OBC). All areas of this building are to meet or exceed the standards required therein.
- 2) Fire resistance rating of exterior walls not adjacent to the existing building based on a fire separation distance of 0 ft: 3 hr (table 602).
- 3) Building use group: Non Separated Mixed Use M (Mercantile), A2 (Assembly), & R-2 (Residential)
A2 is most restrictive

Construction type: III-B
Height & area limitations per section 503:
Max height=2 story/55 ft
With Sprinkler increase=3 story/60 ft
Actual height=3 story/40 ft
Base allowable area=9,500 sft
Sprinkler increase-19,000 sft

- 4) $W_{roof} = 50 \text{ psf}$ sit per nubb (total building area with basement=22,300 sq ft)
Building design is based on the following loads:
Floor load per table 1607.1 (Live load to be posted for areas that exceed 50 psf)
 Mercantile (light)=125 psf
 Assembly (movable seats)=125 psf
 Residential=40 psf
Roof live load per 1607.11=20 psf
Structure dead load=weight of materials
 Roof=10 psf
 Ceiling=10 psf
 Wood framed floor=10 psf
Basic wind speed=90 mph
Wind exposure=B
Importance factor=1.0
Ground snow load=20 psf
Snow exposure factor=1.0
Importance factor=1.0
Presumptive soil bearing capacity based on type CL soil=1500 psf
Concrete shall have a minimum 28 day compressive strength of:
 3000 psi for footers
 4000 psi for slabs
 4500 psi for exterior slabs

Seismic loads:

Occupancy Category =II
Site Class=D
Design Category=C
Spectral response coefficients: $S_dS=0.17$, $S_d1=0.09$
Basic seismic force resisting system=Ordinary Masonry
Analysis procedure=Equivalent Lateral Force

- 5) Lighting to meet or exceed the requirements of section 1205
- 6) Natural ventilation per section 1203.4
- 7) Mechanical ventilation per OMC Table 403.3
- 8) Occupant load per section 1004.1
 - Assembly @15 sft net/occupant=250
 - Mercantile @30 sft/occupant=166
 - Residential @200 sft/occupant=25
 - Total occupant load=441
- 9) Number of exits required per table 1019.1 & 1019.2=2 (2 exits provided)
Maximum travel distance per table 1016.1=200 ft (actual=100')
Common path of travel per 1014.3=75 ft (actual=30')
Hardware for all egress doors shall maintain the doors readily operable from the side from which egress is to be made without the use of a key or special knowledge or effort.
- 10) Exit signs and emergency lighting to be provided per sections 1006 and 1011
- 11) Building to be accessible per Chapter 11 and ICC/ANSI A117.1.
- 12) Thermal in insulating materials to comply with Chapter 14 (existing & unchanged)
- 13) All interior finishes shall comply with OBC Chapter 8:
 - All floor finishes shall be a minimum class II
 - Rooms & enclosed spaces shall be a minimum class B
- 14) Portable ABC dry chemical extinguishers shall be provided (minimum size shall be 4A:40BC)
Placement shall be subject to the approval of the fire inspector (Ohio Fire Code 906.1)
- 15) No hazardous materials will be stored in excess of the exempted quantities in tables 307.7(1) and 307.7(2)

25 Toppings
14 1/2 lbs
10 All purpose

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144 WEST LIBERTY 2nd & 3rd FLOOR RENOVATION

144 W. LIBERTY ST
WOOSTER, OH 44691

101001

REVISIONS

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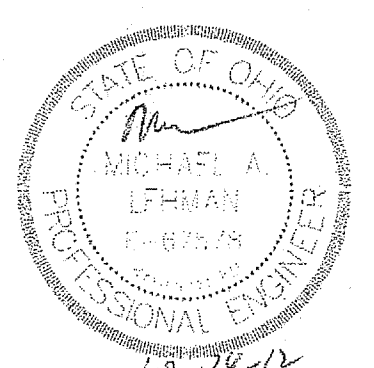
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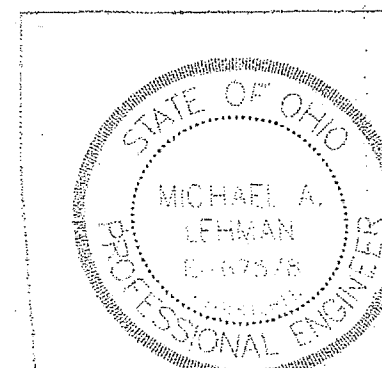
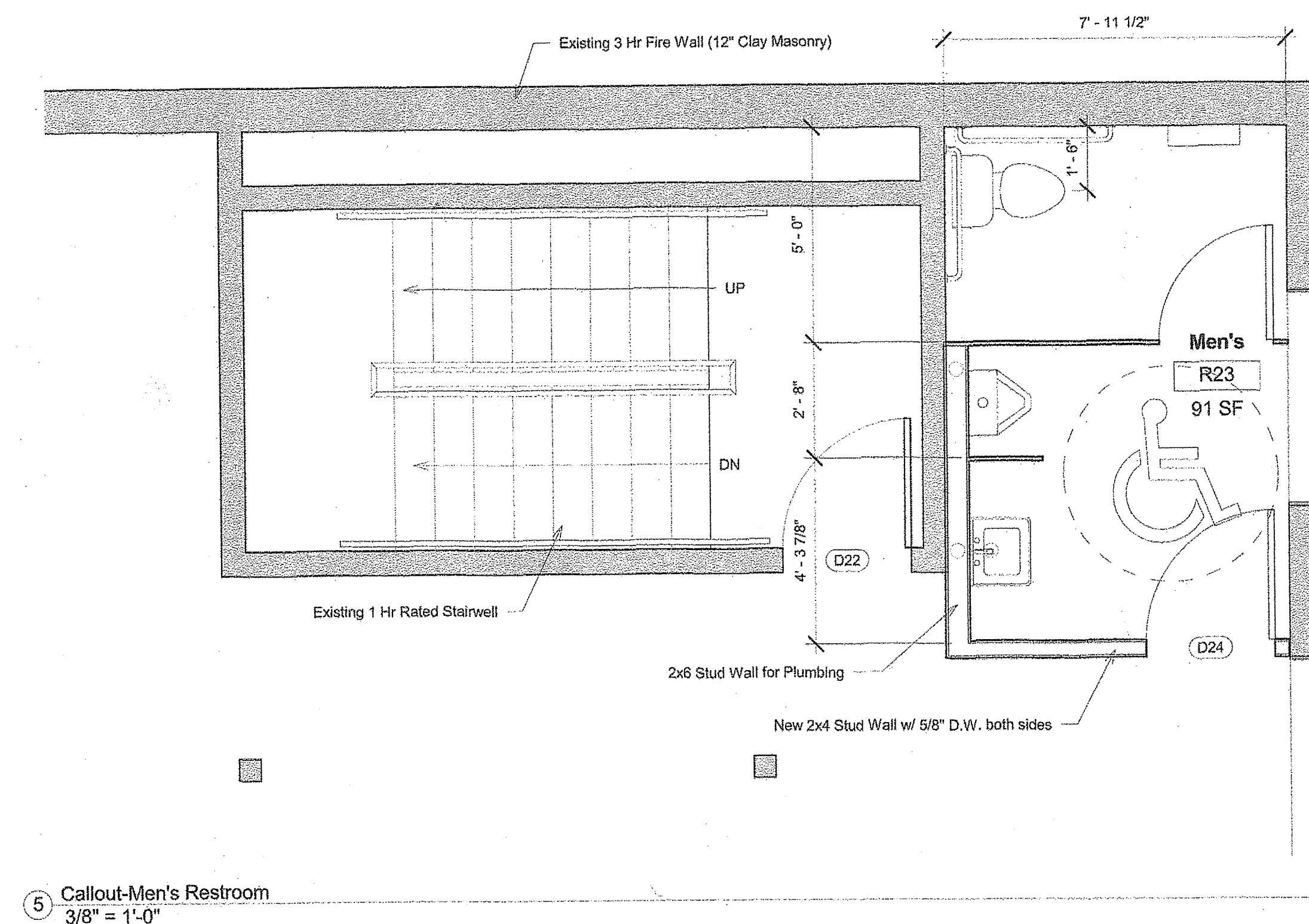
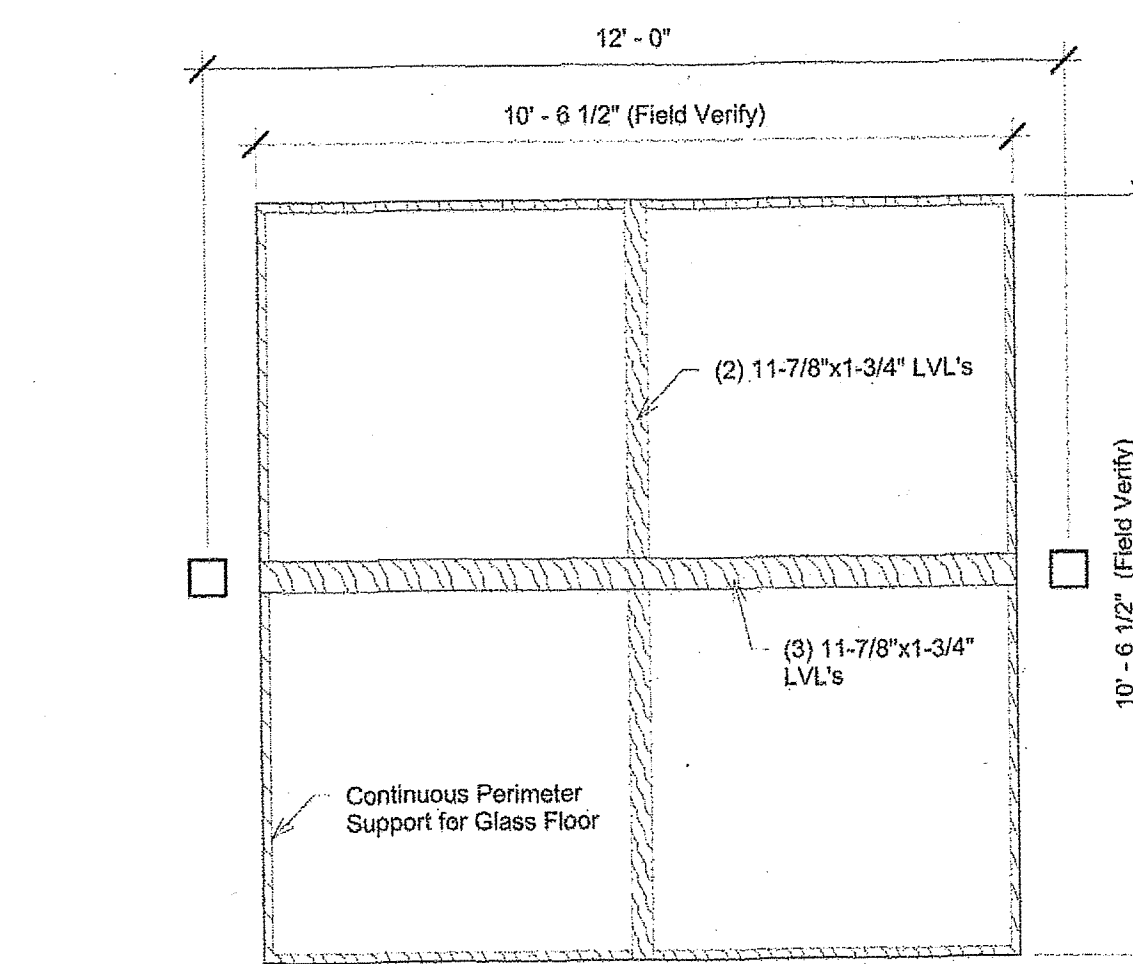
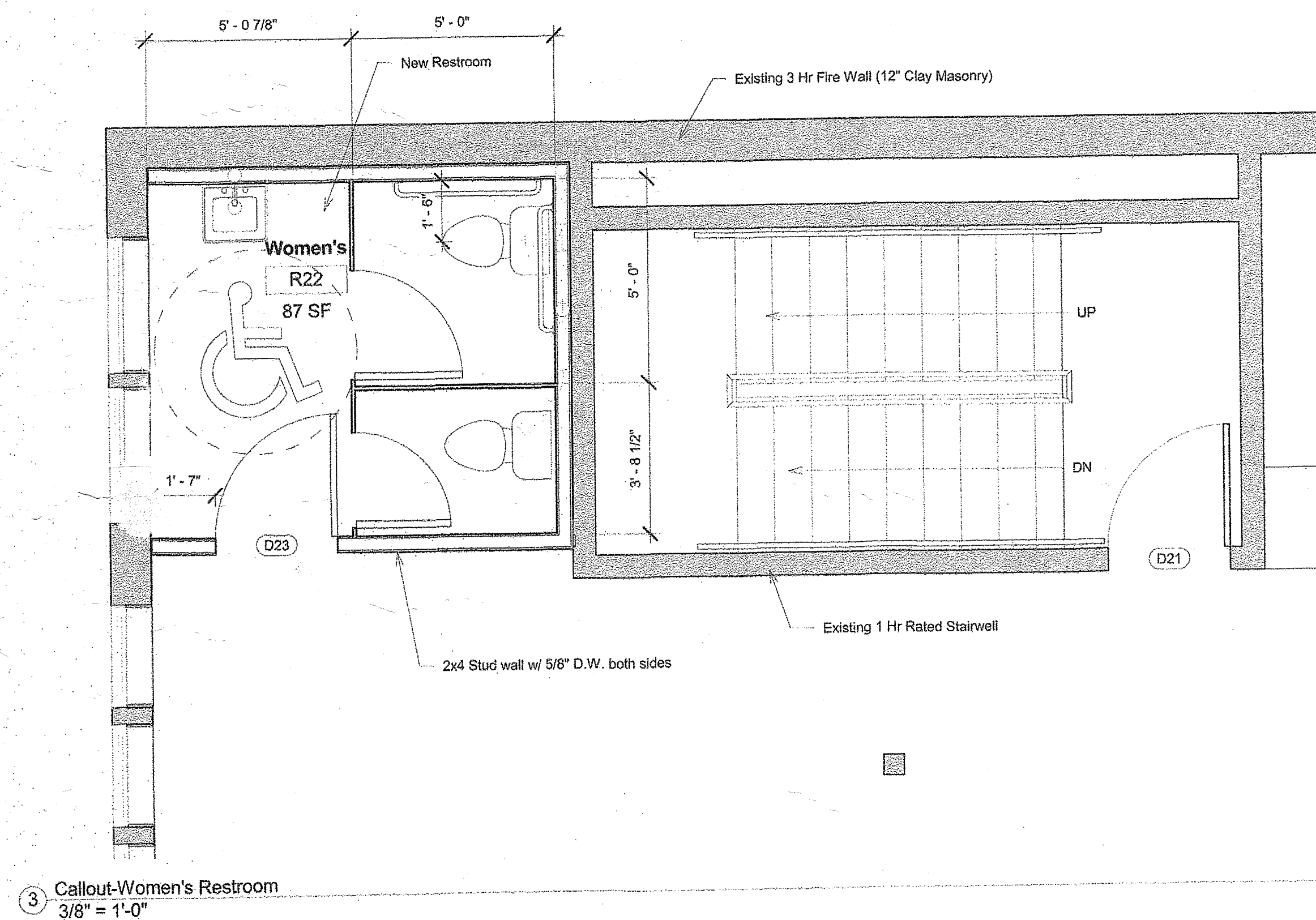
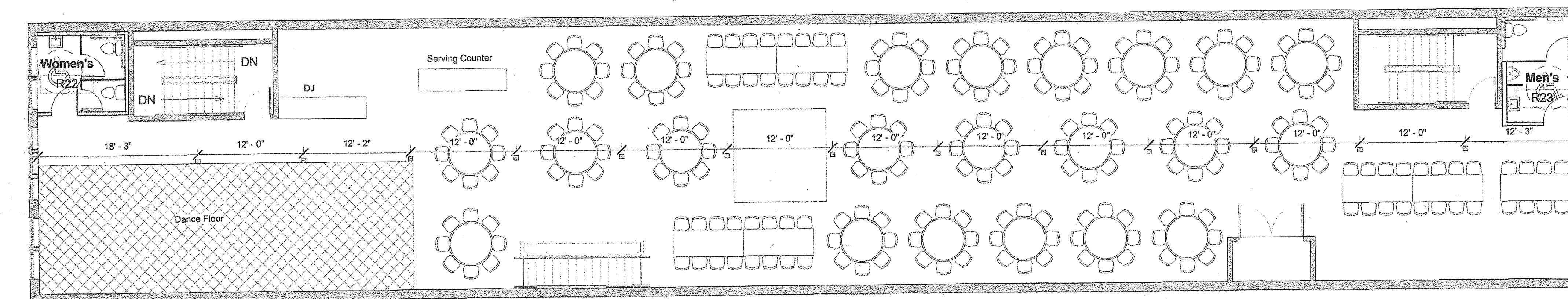
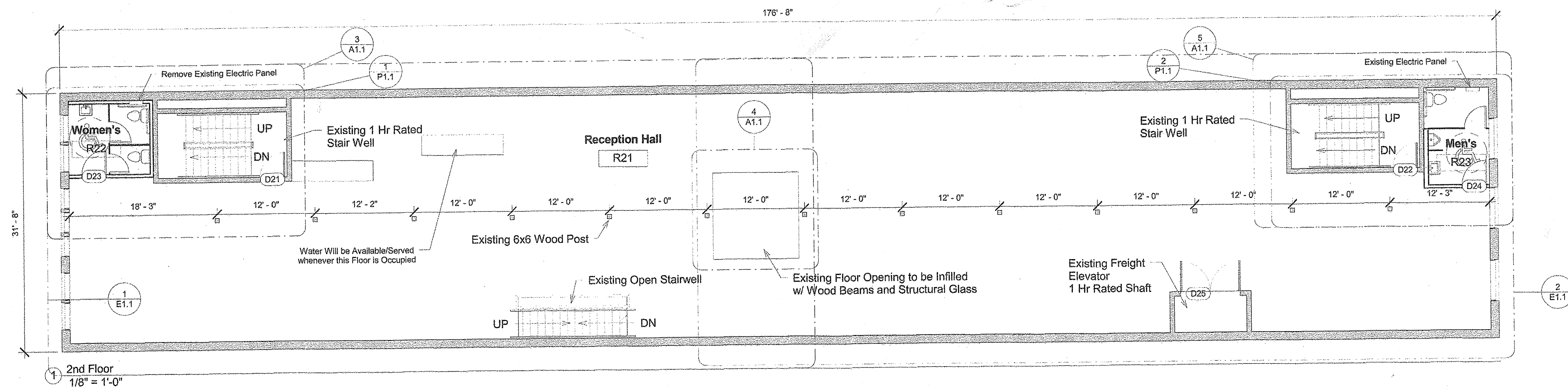
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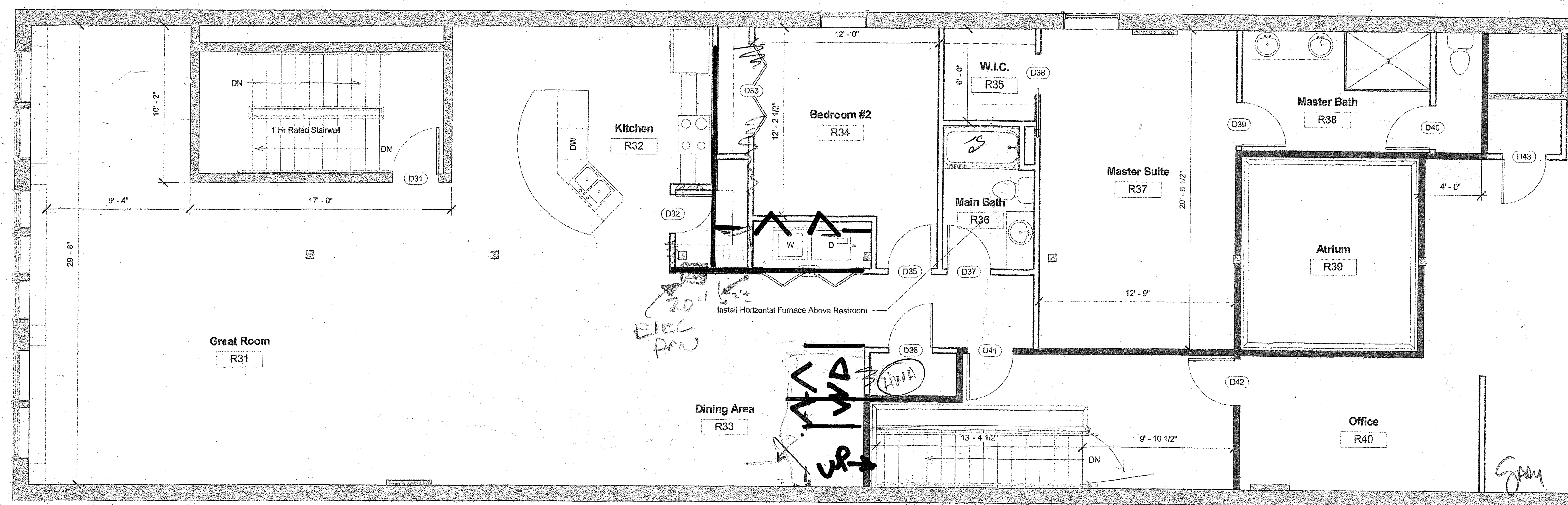
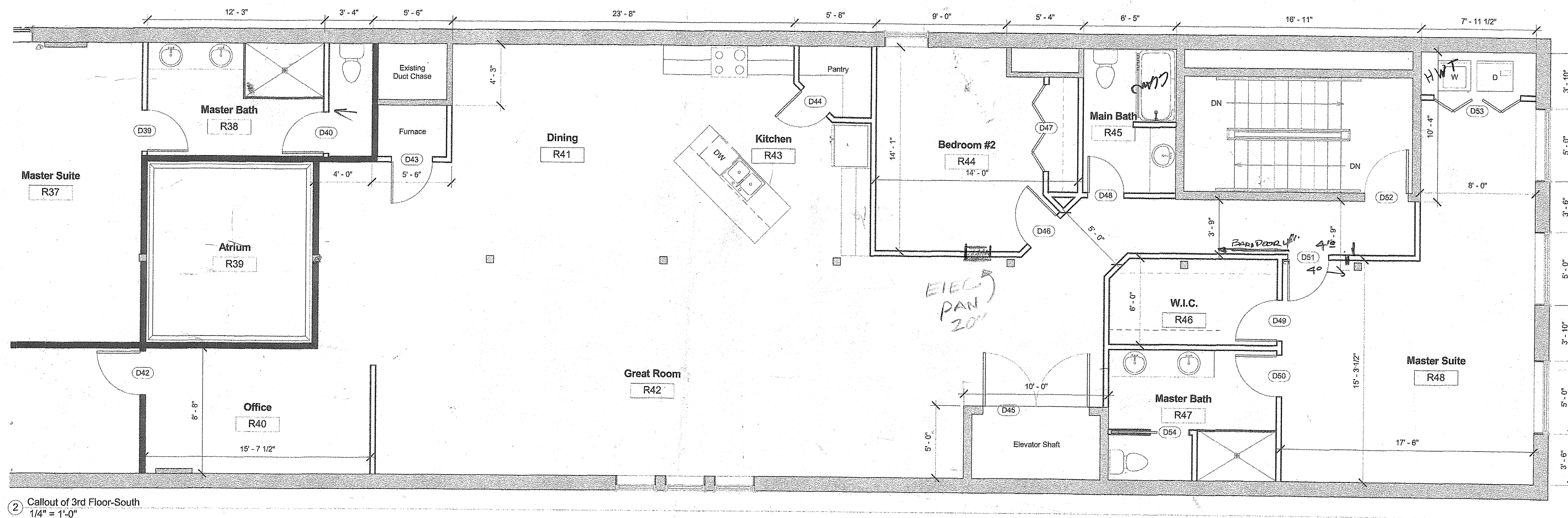
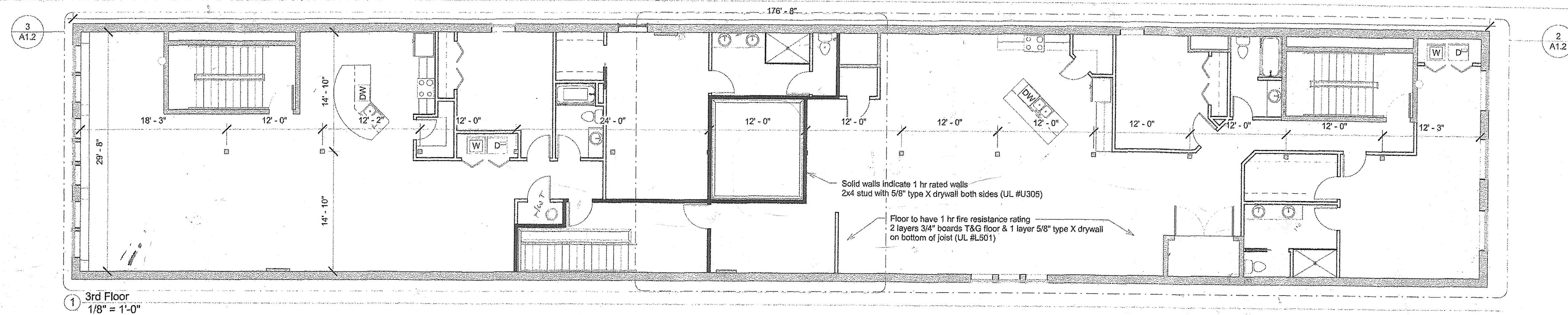
Cover Sheet

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144 WEST LIBERTY 2nd & 3rd FLOOR
RENOVATION

1

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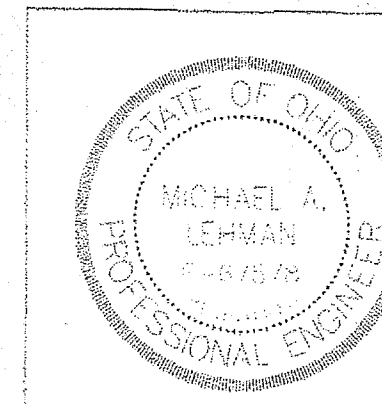
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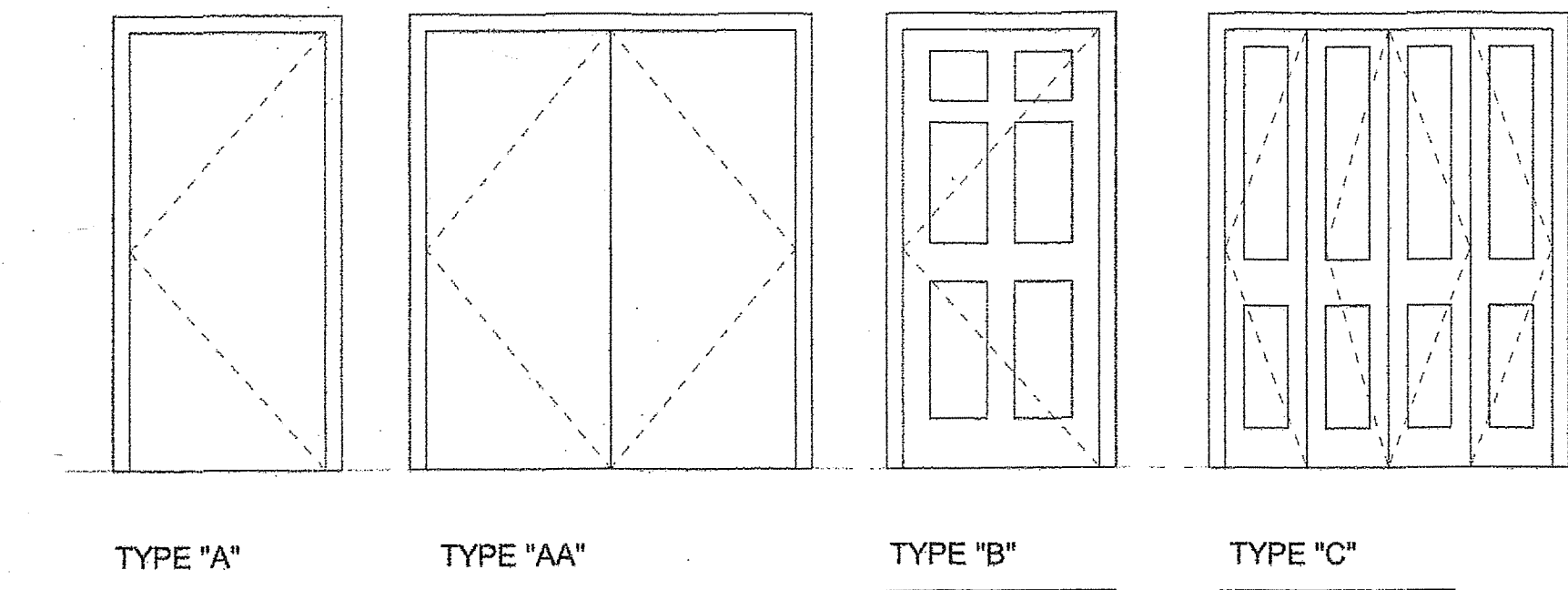
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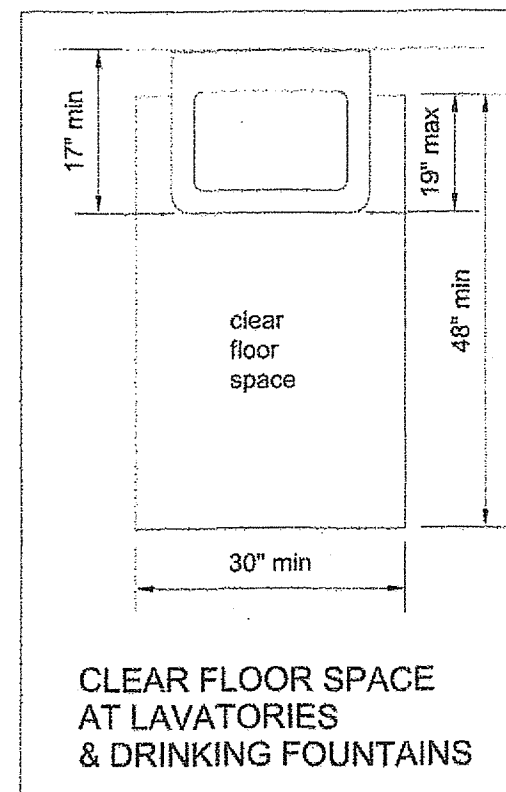
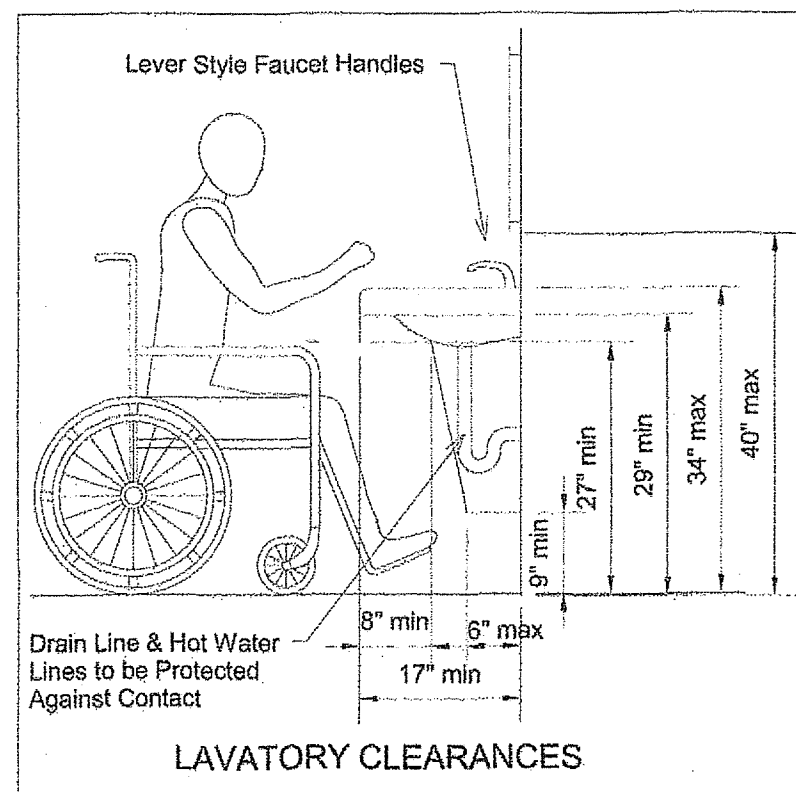
Door Schedule																	
Door Number	Type	Door					Window Size	Fire Rating	Hardware	Closer	Dead Bolt	Weather Stripping	Frame Material	Wall Composition	Header	Jacks	Comments
		Width	Height	Thickness	Material	Finish											
D21	A	3' - 0"	6' - 8"	0' - 1 3/4"	Wood	Stained	---	60 min	Panic	Yes	No	No	Steel	5/8" d.w., 2x4 stud, 5/8" d.w.	Non-Bearing		Existing
D22	A	3' - 0"	6' - 8"	0' - 1 3/4"	Wood	Stained	---	60 min	Panic	Yes	No	No	Steel	5/8" d.w., 2x4 stud, 5/8" d.w.	Non-Bearing		Existing
D23	A	3' - 0"	6' - 8"	0' - 1 3/4"	Wood	Stained	---	----	Push/Pull	No	No	No	Wood	5/8" d.w., 2x4 stud, 5/8" d.w.	Non-Bearing		
D24	A	3' - 0"	6' - 8"	0' - 1 3/4"	Wood	Stained	---	----	Push/Pull	No	No	No	Wood	5/8" d.w., 2x4 stud, 5/8" d.w.	Non-Bearing		
D25	AA	7' - 4"	7' - 0"	0' - 1 3/4"	Wood	Stained	---	60 min	Passage	Yes	No	No	Steel	5/8" d.w., 2x4 stud, 5/8" d.w.	Non-Bearing		Existing
D31	A	3' - 0"	6' - 8"	0' - 1 3/4"	Wood	Stained	---	60 min	Keyed Lockset	Yes	No	No	Steel	5/8" d.w., 2x4 stud, 5/8" d.w.	Non-Bearing		Existing
D32	A	2' - 6"	6' - 8"	0' - 1 3/8"	Wood	Stained	---	---	Passage	No	No	No	Wood	1/2" d.w., 2x4 stud, 1/2" d.w.	Non-Bearing		
D33	C	6' - 0"	6' - 8"	0' - 1 3/8"	Wood	Stained	---	---	Push/Pull	No	No	No	Wood	1/2" d.w., 2x4 stud, 1/2" d.w.	Non-Bearing		
D34	C	6' - 0"	6' - 8"	0' - 1 3/8"	Wood	Stained	---	---	Push/Pull	No	No	No	Wood	1/2" d.w., 2x4 stud, 1/2" d.w.	Non-Bearing		
D35	A	2' - 10"	6' - 8"	0' - 1 3/8"	Wood	Stained	---	---	Privacy	No	No	No	Wood	1/2" d.w., 2x4 stud, 1/2" d.w.	Non-Bearing		
D36	A	2' - 10"	6' - 8"	0' - 1 3/8"	Wood	Stained	---	---	Passage	No	No	No	Wood	1/2" d.w., 2x4 stud, 1/2" d.w.	Non-Bearing		
D37	A	2' - 10"	6' - 8"	0' - 1 3/8"	Wood	Stained	---	---	Privacy	No	No	No	Wood	1/2" d.w., 2x4 stud, 1/2" d.w.	Non-Bearing		
D38	A	2' - 8"	6' - 8"	0' - 1 3/8"	Wood	Stained	---	---	Push/Pull	No	No	No	Wood	1/2" d.w., 2x4 stud, 1/2" d.w.	Non-Bearing		
D39	A	2' - 10"	6' - 8"	0' - 1 3/8"	Wood	Stained	---	---	Privacy	No	No	No	Wood	1/2" d.w., 2x4 stud, 1/2" d.w.	Non-Bearing		
D40	A	2' - 10"	6' - 8"	0' - 1 3/8"	Wood	Stained	---	---	Passage	No	No	No	Wood	1/2" d.w., 2x4 stud, 1/2" d.w.	Non-Bearing		
D41	A	3' - 0"	6' - 8"	0' - 1 3/4"	Wood	Stained	---	60 min	Keyed Lockset	Yes	No	No	Steel	5/8" d.w., 2x4 stud, 5/8" d.w.	Non-Bearing		
D42	A	3' - 0"	6' - 8"	0' - 1 3/4"	Wood	Stained	---	60 min	Keyed Lockset	Yes	No	No	Steel	5/8" d.w., 2x4 stud, 5/8" d.w.	Non-Bearing		
D43	A	2' - 10"	6' - 8"	0' - 1 3/8"	Wood	Stained	---	---	Passage	No	No	No	Wood	1/2" d.w., 2x4 stud, 1/2" d.w.	Non-Bearing		
D44	A	2' - 6"	6' - 8"	0' - 1 3/8"	Wood	Stained	---	---	Passage	No	No	No	Wood	1/2" d.w., 2x4 stud, 1/2" d.w.	Non-Bearing		
D45	AA	7' - 4"	7' - 0"	0' - 1 3/4"	Wood	Stained	---	60 min	Passage	Yes	No	No	Steel	5/8" d.w., 2x4 stud, 5/8" d.w.	Non-Bearing		Existing
D46	A	2' - 10"	6' - 8"	0' - 1 3/8"	Wood	Stained	---	---	Privacy	No	No	No	Wood	1/2" d.w., 2x4 stud, 1/2" d.w.	Non-Bearing		
D47	C	6' - 0"	6' - 8"	0' - 1 3/8"	Wood	Stained	---	---	Push/Pull	No	No	No	Wood	1/2" d.w., 2x4 stud, 1/2" d.w.	Non-Bearing		
D48	A	2' - 6"	6' - 8"	0' - 1 3/8"	Wood	Stained	---	---	Privacy	No	No	No	Wood	1/2" d.w., 2x4 stud, 1/2" d.w.	Non-Bearing		
D49	A	2' - 10"	6' - 8"	0' - 1 3/8"	Wood	Stained	---	---	Passage	No	No	No	Wood	1/2" d.w., 2x4 stud, 1/2" d.w.	Non-Bearing		
D50	A	2' - 10"	6' - 8"	0' - 1 3/8"	Wood	Stained	---	---	Privacy	No	No	No	Wood	1/2" d.w., 2x4 stud, 1/2" d.w.	Non-Bearing		
D51	A	2' - 10"	6' - 8"	0' - 1 3/8"	Wood	Stained	---	---	Privacy	No	No	No	Wood	1/2" d.w., 2x4 stud, 1/2" d.w.	Non-Bearing		
D52	A	3' - 0"	6' - 8"	0' - 1 3/4"	Wood	Stained	---	60 min	Keyed Lockset	Yes	No	No	Steel	5/8" d.w., 2x4 stud, 5/8" d.w.	Non-Bearing		Existing
D53	C	6' - 0"	6' - 8"	0' - 1 3/8"	Wood	Stained	---	---	Push/Pull	No	No	No	Wood	1/2" d.w., 2x4 stud, 1/2" d.w.	Non-Bearing		
D54	A	2' - 8"	6' - 8"	0' - 1 3/8"	Wood	Stained	---	---	Push/Pull	No	No	No	Wood	1/2" d.w., 2x4 stud, 1/2" d.w.	Non-Bearing		

1. ALL EGRESS DOORS TO BE READILY OPENABLE FROM THE SIDE FROM WHICH EGRESS IS TO BE MADE.
2. THE UNLATCHING OF ANY DOOR SHALL NOT REQUIRE MORE THAN ONE OPERATION.
3. DEAD BOLTS SHALL BE INTERCONNECTED WITH THE HANDLE SETS SUCH THAT THE TURNING OF THE HANDLE SET UNLOCKS THE DEAD BOLT.
4. ALL GLASS (IF ANY) IN DOORS TO BE TEMPERED SAFETY GLAZING.
5. MAXIMUM THRESHOLD HEIGHT IS 1/2" FOR HANDICAP ACCESSIBILITY.
6. HANDLE SETS TO BE LEVER STYLE.

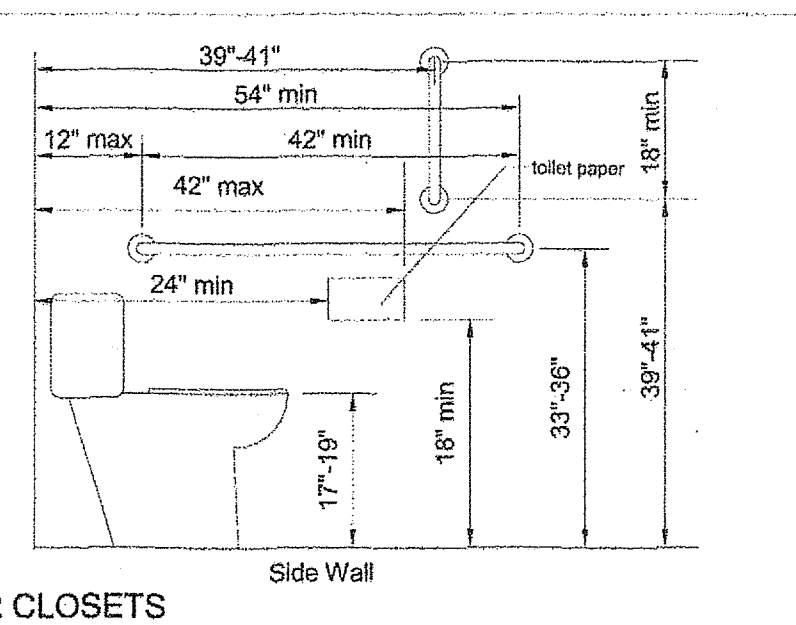
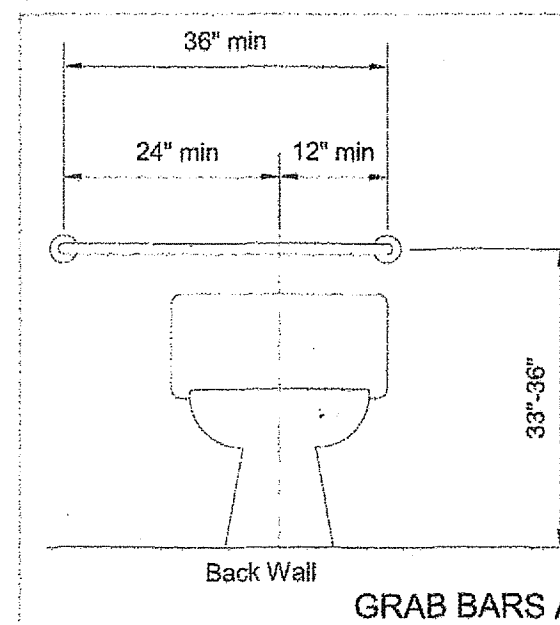


Door Legend
3/8" = 1'-0"

Room Schedule							
Room Number	Room Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Ceiling Height	Comments
R21	Reception Hall	Hardwood	Wood	Brick & Painted Drywall	Ceiling Panels	11' - 0"	
R22	Women's	Tile	6" Tile	Brick & Painted Drywall	Ceiling Panels	11' - 0"	Washable Enamel Paint
R23	Men's	Tile	6" Tile	Brick & Painted Drywall	Ceiling Panels	11' - 0"	Washable Enamel Paint
R31	Great Room	Hardwood	Wood	Brick & Painted Drywall	Painted Wood	12' - 0"	
R32	Kitchen	Hardwood	Wood	Brick & Painted Drywall	Painted Wood	11' - 0"	
R33	Dining Area	Hardwood	Wood	Brick & Painted Drywall	Painted Wood	11' - 0"	
R34	Bedroom #2	Hardwood	Wood	Brick & Painted Drywall	Painted Wood	11' - 0"	
R35	W.I.C.	Hardwood	Wood	Brick & Painted Drywall	Painted Wood	11' - 0"	
R36	Main Bath	Hardwood	Wood	Painted Drywall	Painted Wood	11' - 0"	Washable Enamel Paint
R37	Master Suite	Hardwood	Wood	Brick & Painted Drywall	Painted Wood	11' - 0"	
R38	Master Bath	Hardwood	Wood	Brick & Painted Drywall	Painted Wood	11' - 0"	Washable Enamel Paint
R39	Atrium	Open	---	Painted Drywall	Painted Wood	10' - 0"	
R40	Office	Hardwood	Wood	Brick & Painted Drywall	Painted Wood		
R41	Dining	Hardwood	Wood	Brick & Painted Drywall	Painted Wood	11' - 0"	
R42	Great Room	Hardwood	Wood	Brick & Painted Drywall	Painted Wood	10' - 0"	
R43	Kitchen	Hardwood	Wood	Brick & Painted Drywall	Painted Wood	10' - 0"	
R44	Bedroom #2	Hardwood	Wood	Brick & Painted Drywall	Painted Wood	10' - 0"	
R45	Main Bath	Hardwood	Wood	Painted Drywall	Painted Wood	10' - 0"	Washable Enamel Paint
R46	W.I.C.	Hardwood	Wood	Painted Drywall	Painted Wood	10' - 0"	
R47	Master Bath	Hardwood	Wood	Painted Drywall	Painted Wood	10' - 0"	Washable Enamel Paint
R48	Master Suite	Hardwood	Wood	Brick & Painted Drywall	Painted Wood	9' - 0"	
R49	Laundry	Hardwood	Wood	Brick & Painted Drywall	Painted Wood	9' - 0"	



Urinals-Rim height shall be 17" above finish floor



1 Handicap Requirements
N.T.S.

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PROJECT

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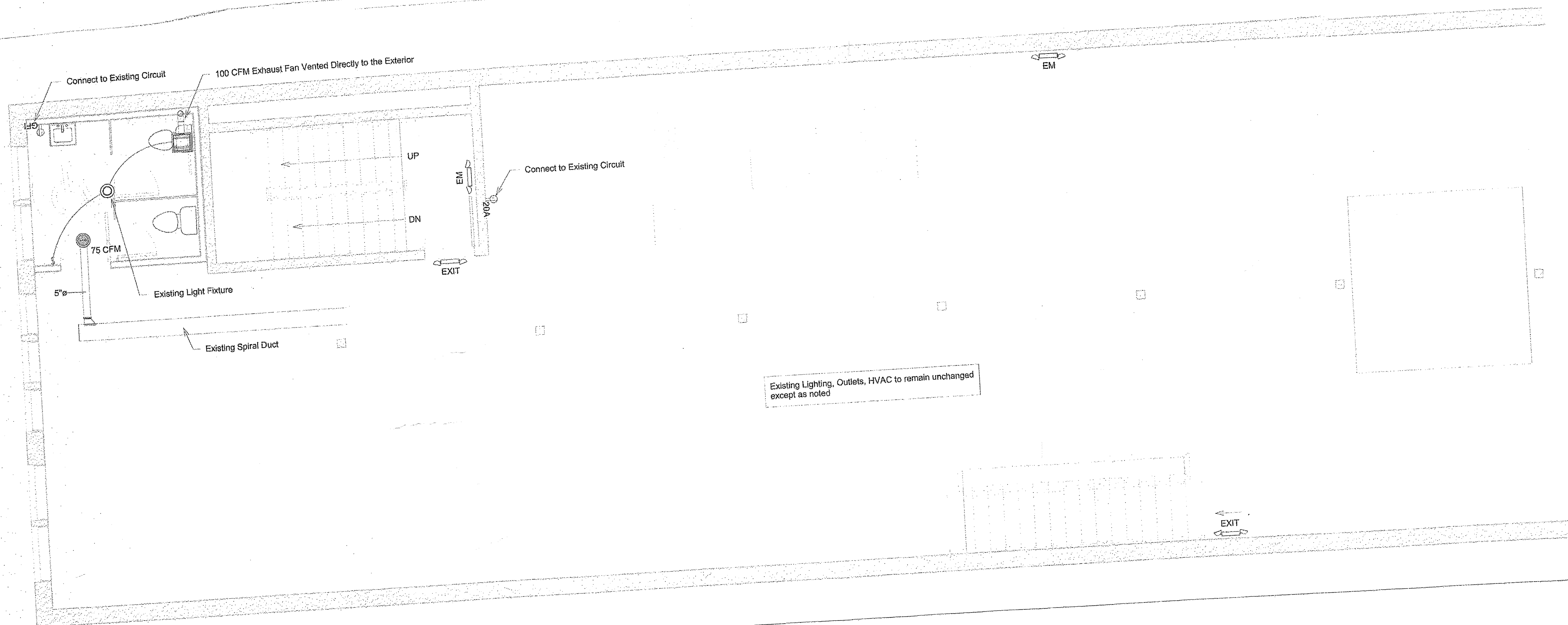
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Schedules &
Handicap
Requirements

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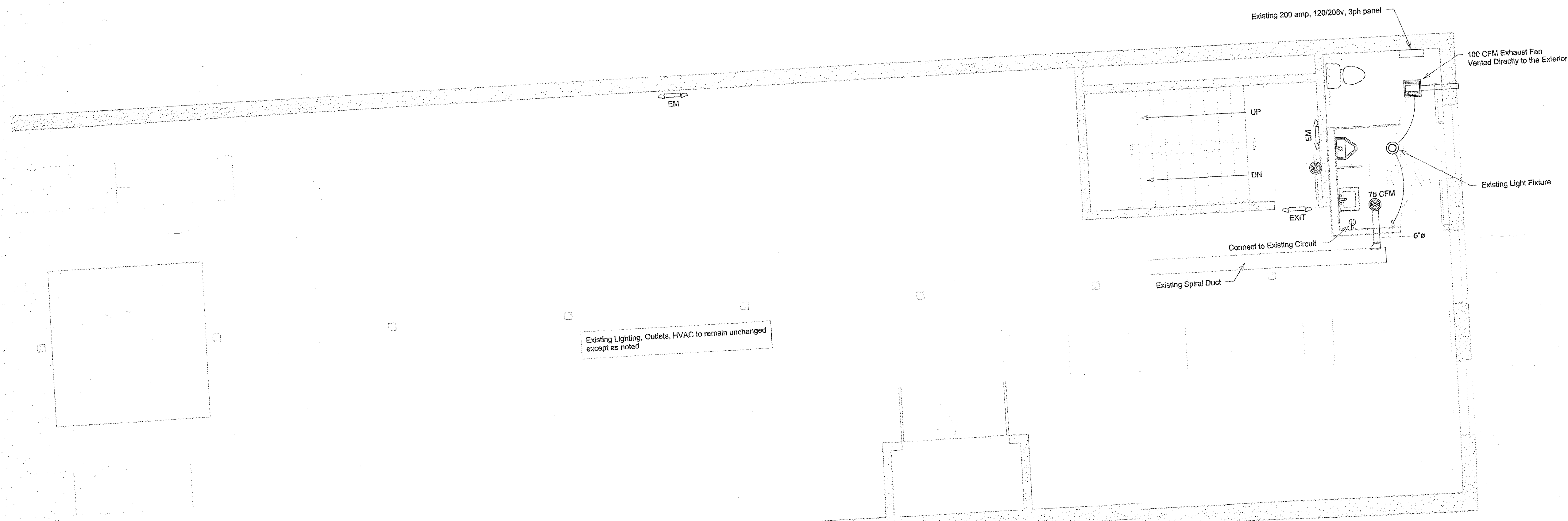
1 Electric-Women's Restroom
1/4" = 1'-0"

Electrical Notes:

1. ALL ELECTRICAL WORK SHALL BE DONE IN A WORKMANLIKE MANNER AND IN ACCORDANCE WITH NEC & OBC.
2. IN DRY LOCATIONS CONDUCTORS TO BE TYPE NM-COPPER WHERE SEPARATED FROM THE INTERIOR SPACE BY A MINIMUM OF 1/2" DRYWALL AND SIZED ACCORDING TO NEC. MINIMUM WIRE SIZE SHALL BE #12.
3. IN WET LOCATIONS ALL CONDUCTORS SHALL BE LISTED FOR USE IN WET LOCATIONS.
4. ALL OUTDOOR FIXTURES SHALL BE WEATHERPROOF.
5. ANY SURFACE MOUNTED ELECTRIC SHALL BE INSTALLED IN EMT CONDUIT OR BE TYPE MC CABLE.
6. ALL EMERGENCY LIGHTING TO BE CONNECTED TO THE NEAREST LIGHTING CIRCUIT AHEAD OF ANY LOCAL SWITCHES.

Outside Air & Mechanical Ventilation/Exhaust

- Restrooms to be mechanically exhausted directly to the exterior (50 cfm/ water closet and urinal)
- Assembly area to have outside air ducted to the return air duct on existing HVAC Units
- Required ventilation=0.06 cfm/sft + 5 cfm/occupant=0.06 x 5595 + 5 x 250 = 1596 cfm.



2 Electric-Men's Restroom
1/4" = 1'-0"

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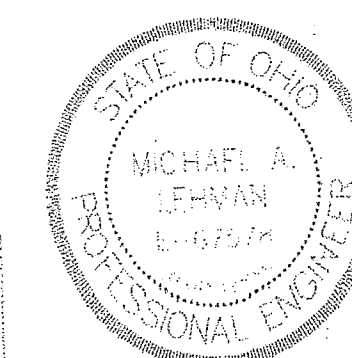
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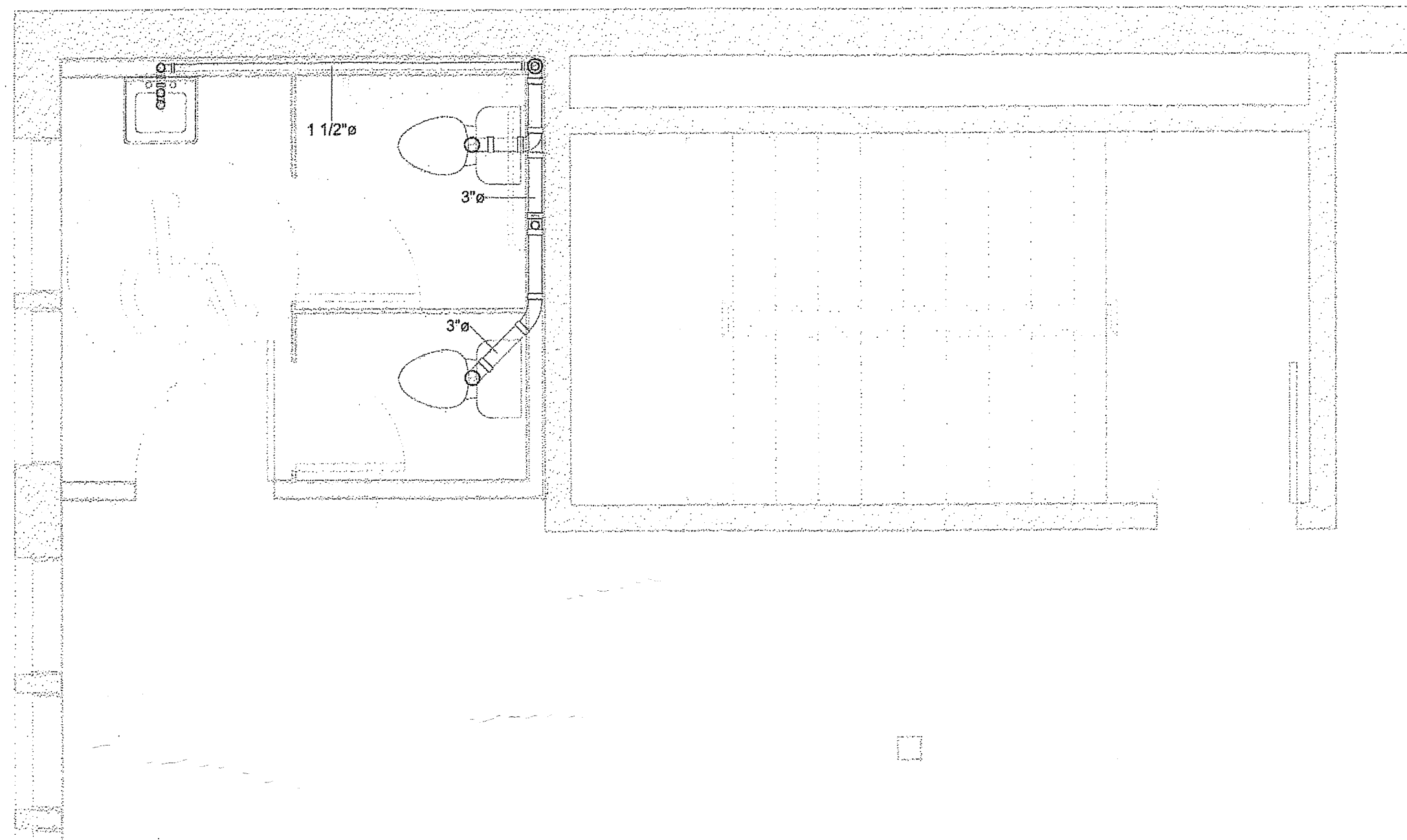
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Electrical &
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Floor

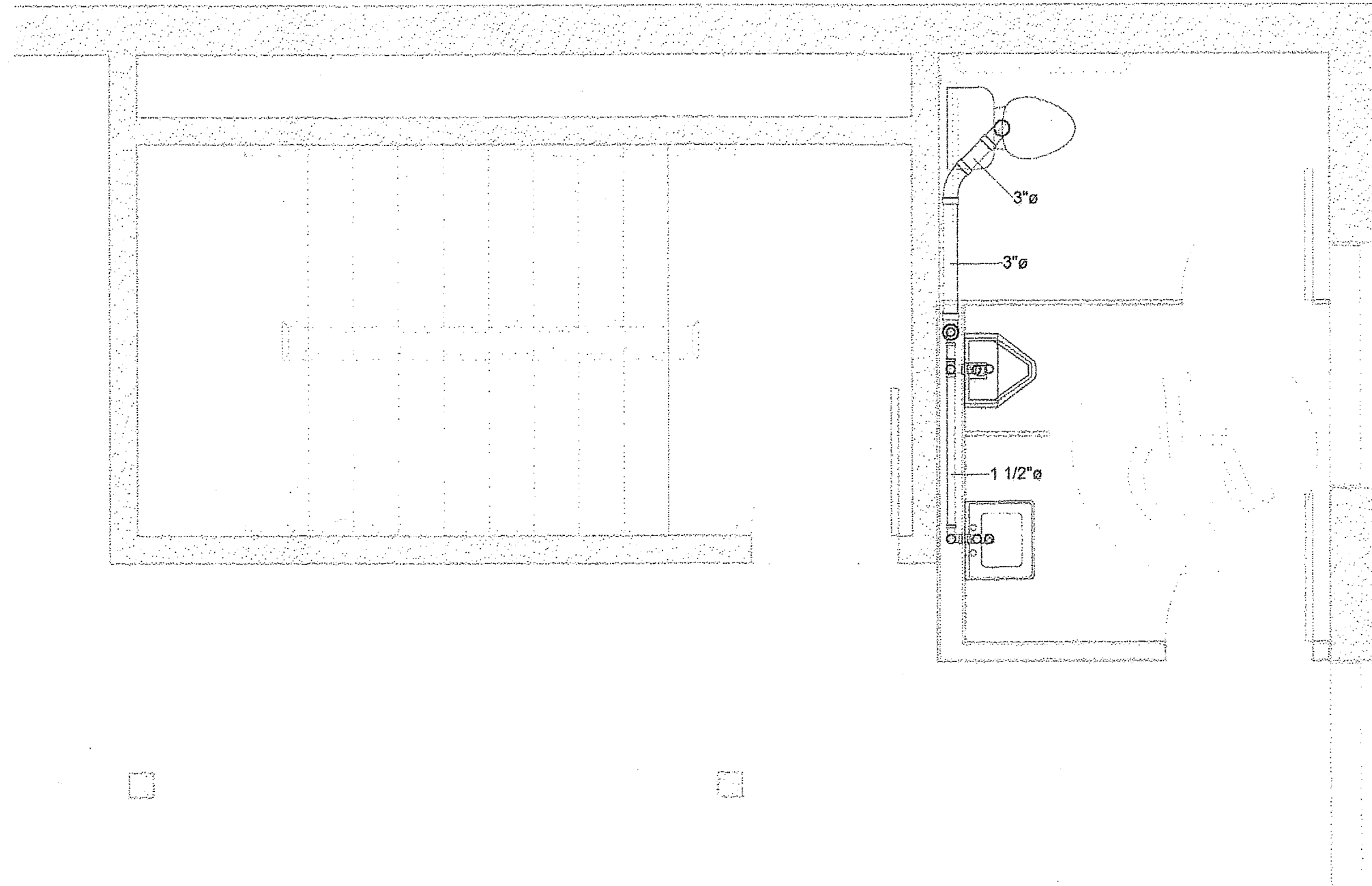
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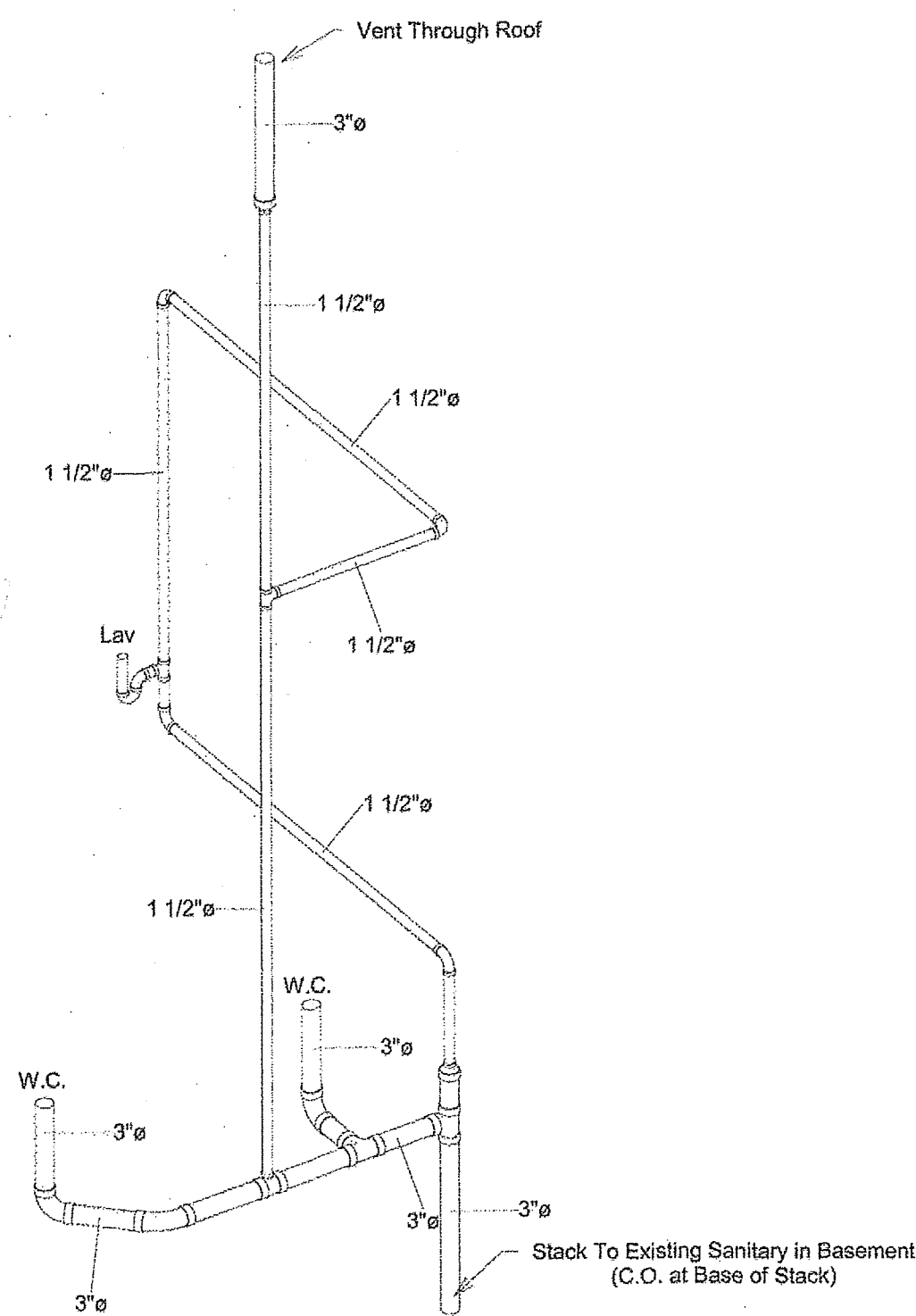




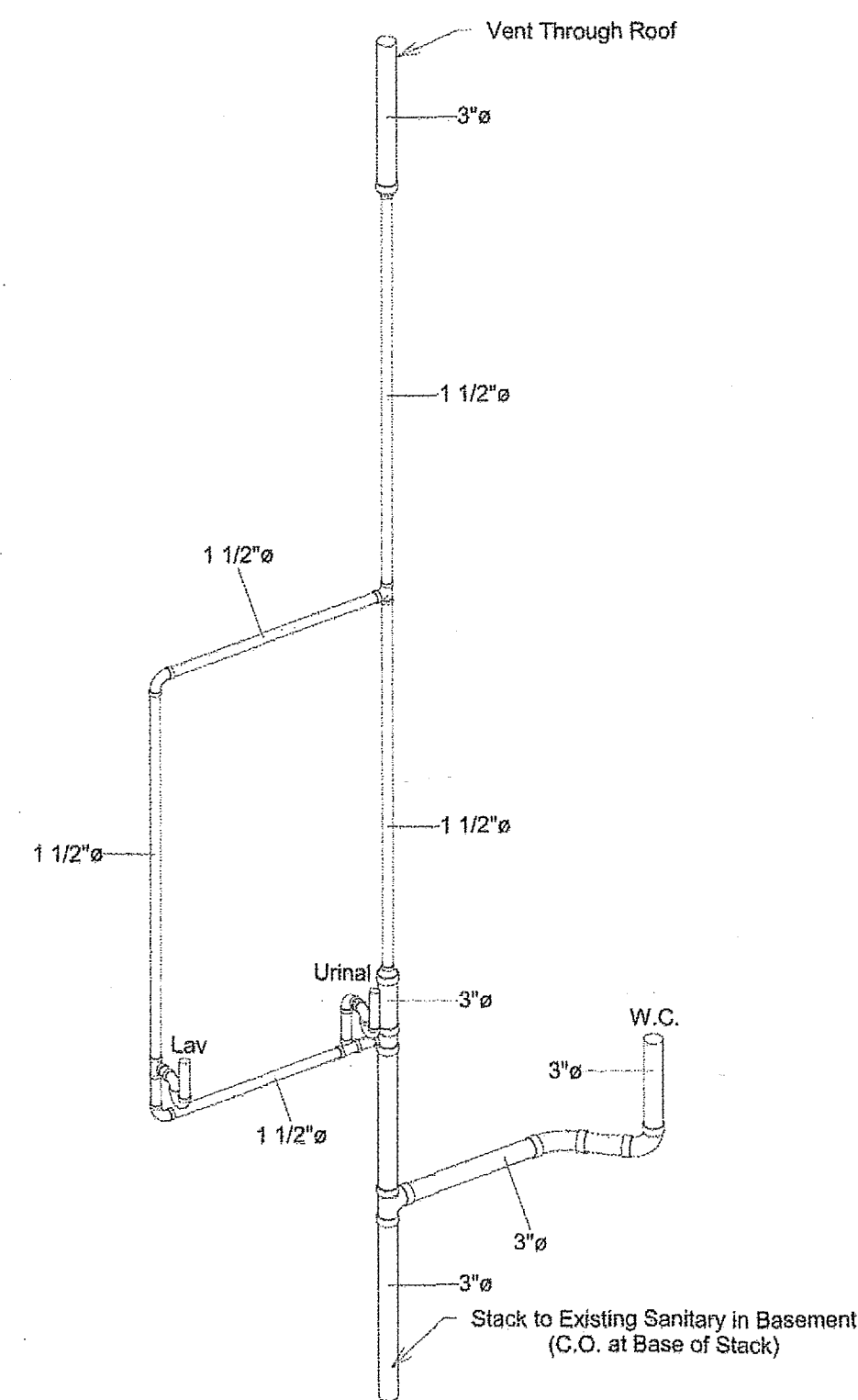
① Plumbing-Women's Restroom
3/8" = 1'-0"



② Plumbing-Men's Restroom
3/8" = 1'-0"

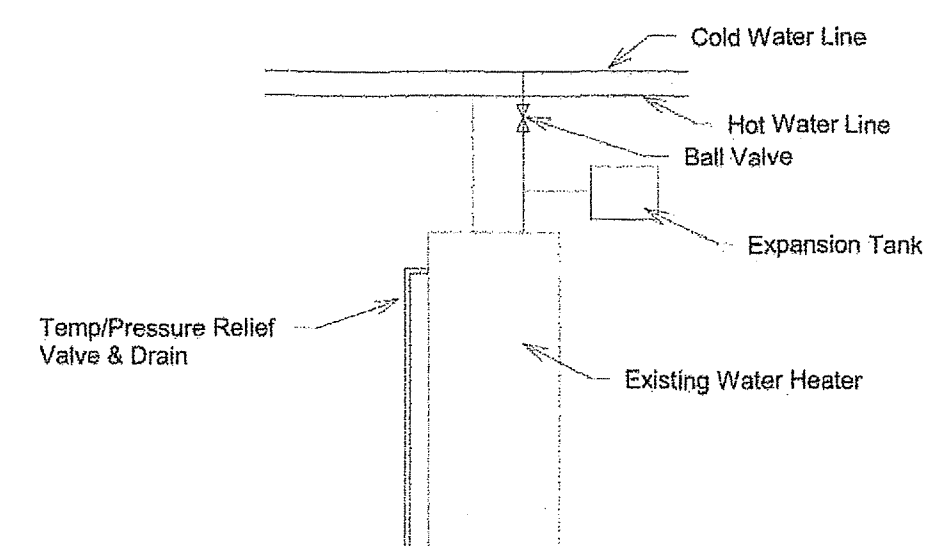


③ Plumbing Isometric-Womens



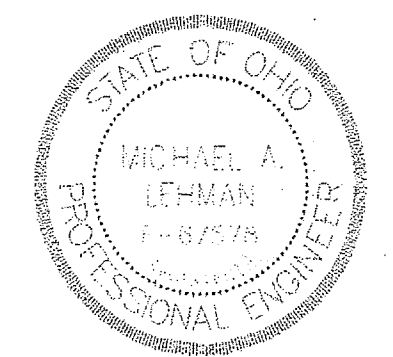
④ Plumbing Isometric-Mens

- PLUMBING NOTES**
- All plumbing shall comply with 2011 Ohio Plumbing Code (OPC)
 - All drain piping shall be ABS or PVC
 - All above ground supply piping shall be Type M Copper, CPVC or PEX
 - All underground supply piping shall be type K Copper or PEX
 - Any PEX piping must be sleeved through concrete
 - Supply and drain piping under lavatories shall be protected against contact.
 - All lavatories shall have tempering valves on the hot water supply



TYP. HOT WATER CONNECTION

⑤ Plumbing Notes
1/4" = 1'-0"





2
33.2

OPTION 1 NORTH ELEVATION

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



2
33.2

OPTION 2 NORTH ELEVATION

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

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ARCHITECTURE OFFICE: DAVID KREBS

PROJECT TITLE:

PROJECT:

REVIEW

ISSUE/DATE:

AUTHORIZATION:

JOB NO. LOCATION:

SERVER/DWG/CURRENT

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SHEET NO.:

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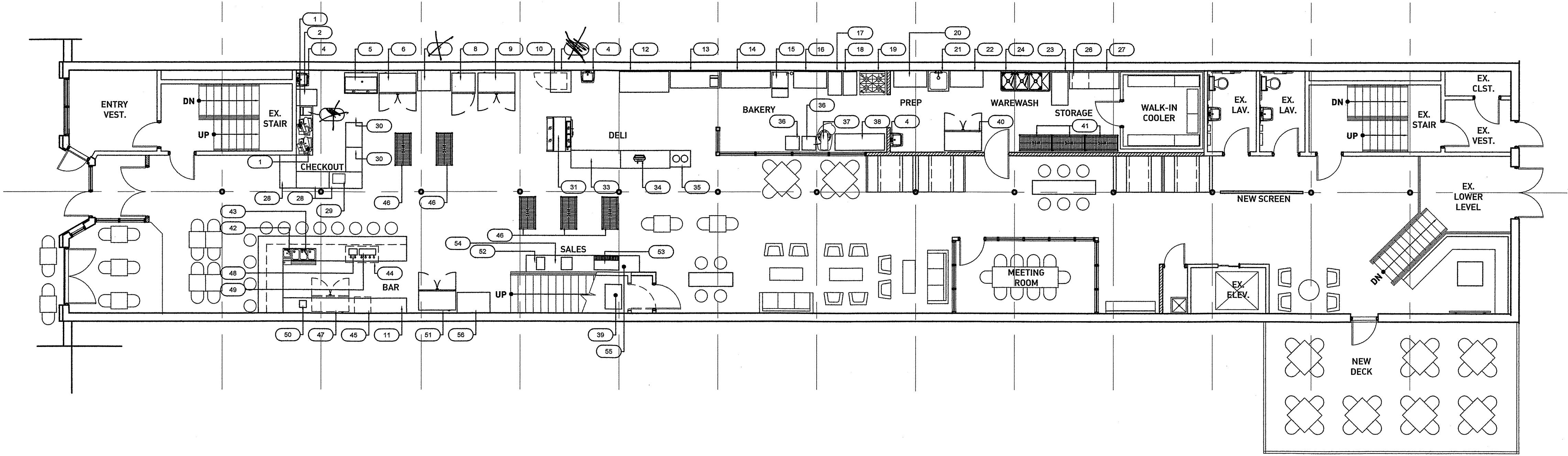
SPOON MARKET

SPOON MARKET
148 WEST LIBERTY ST.
WOOSTER, OH

05.05.2015

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a3.1



1		EQUIPMENT PLAN	
82.1		SCALE: 1/8" = 1'-0"	
SEATING:			
BAR			12
TABLE			26
COMMUNAL TABLE			10
BOOTH			16
<u>LOUNGE</u>			<u>28</u>
TOTAL SEATING			92

EQUIPMENT SCHEDULE									
(REFER TO KITCHEN EQUIPMENT DRAWINGS FOR SPECIFICATIONS)									
EQUIPMENT			RESPONSIBILITY		EQUIPMENT			RESPONSIBILITY	
NO.	QTY	DESCRIPTION	FURNISHED BY:	INSTALLED BY:	NO.	QTY	DESCRIPTION	FURNISHED BY:	INSTALLED BY:
1	2	SLICER			34	1	72" EXISTING COUNTER POINT OF SALE		
2		HEAT WRAP			35		30" SOUP COUNTER		
3		72" PREP TABLE			36		20" SPEED RACK		
4	1	HAND SINK			37		20" NEW MIXER - 30 AMP		
5		NEW OPEN AIR CASE			38		72" BAKER TABLE		
6		EXISTING REACH-IN (CASE 2)			39		EXISTING BACK BAR COUNTER		
7		PANINI PRESS			40		TWO DOOR REACH-IN		
8		EXISTING FREEZER TALL			41		48" SHELF - STORAGE		
9		EXISTING DOUBLE DOOR (CASE 1 AND 3)			42		HANDSINK		
10		COKE COOLER			43		38.5" 3- BAY SINK		
11		128" EXISTING CABINET UNIT			44		KEG		
12		72" SANDWICH TABLE			45		ICE MAKER		
13		72" WORK TABLE (PREP COOLER TABLE)			46		WIRE SHELVING		
14		NEW 72" PREP TABLE			47		BEER COOLER		
15		48" ICE MAKER			48		2 TAPS WINE		
16		48" SHELF			49		4 TAPS BEER		
17		EXISTING 20" PROOFER			50		BLENDER		
18		NEW 20" PROOFER			51		DOUBLE DOOR		
19		EXISTING OVEN 39"			52		COFFEE BREWER		
20		48" PREP TABLE			53		SODA MACHINE		
21		30" PREP SINK			54		ICE TEA BREWER		
22		48" PREP TABLE			55		BOX-IN CLOSET		
23		48" DRY TABLE (STAINLESS TABLE BAKERY)			56		BEER DISPLAY		
24		3 COMPARTMENT SINK			57				
25					58				
26		24" DISHWASHER			59				
27		72" DRY TABLE			60				
28		48" WIRE SHELVES WITH TOP (36" H)			61				
29		POINT OF SALE			62				
30		48" SMALL DELI			63				
31		NEW 48" BAKERY DISPLAY			64				
32					65				
33		72" DELI			66				

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PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT TITLE:
SPOON MARKET

PROJECT:
SPOON MARKET
148 WEST LIBERTY ST.
WOOSTER, OH

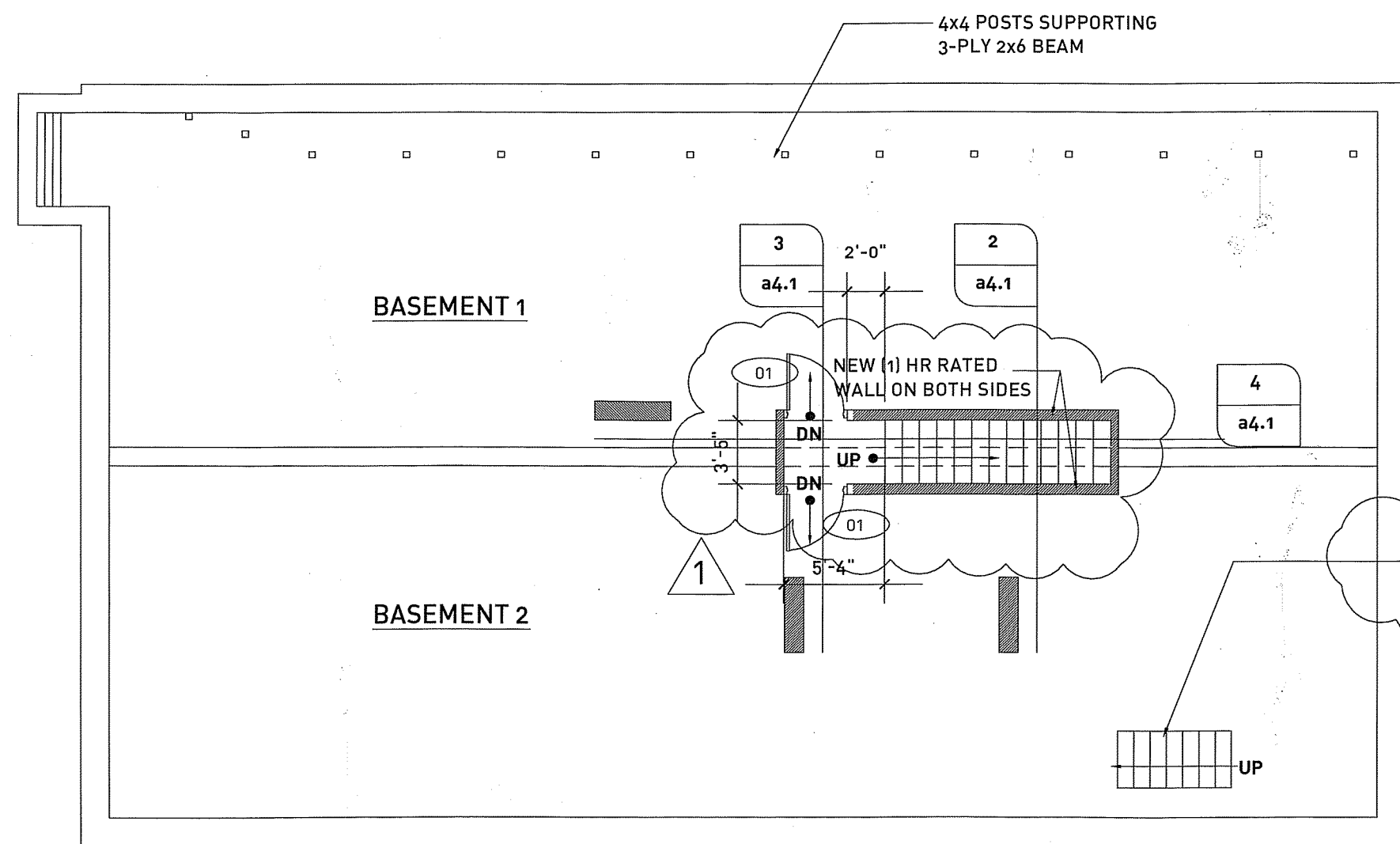
REVIEW	05.05.2015

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AUTHORIZATION:
JOB NO.: LOCATION:
SERVER/DWG/CURRENT

15.23

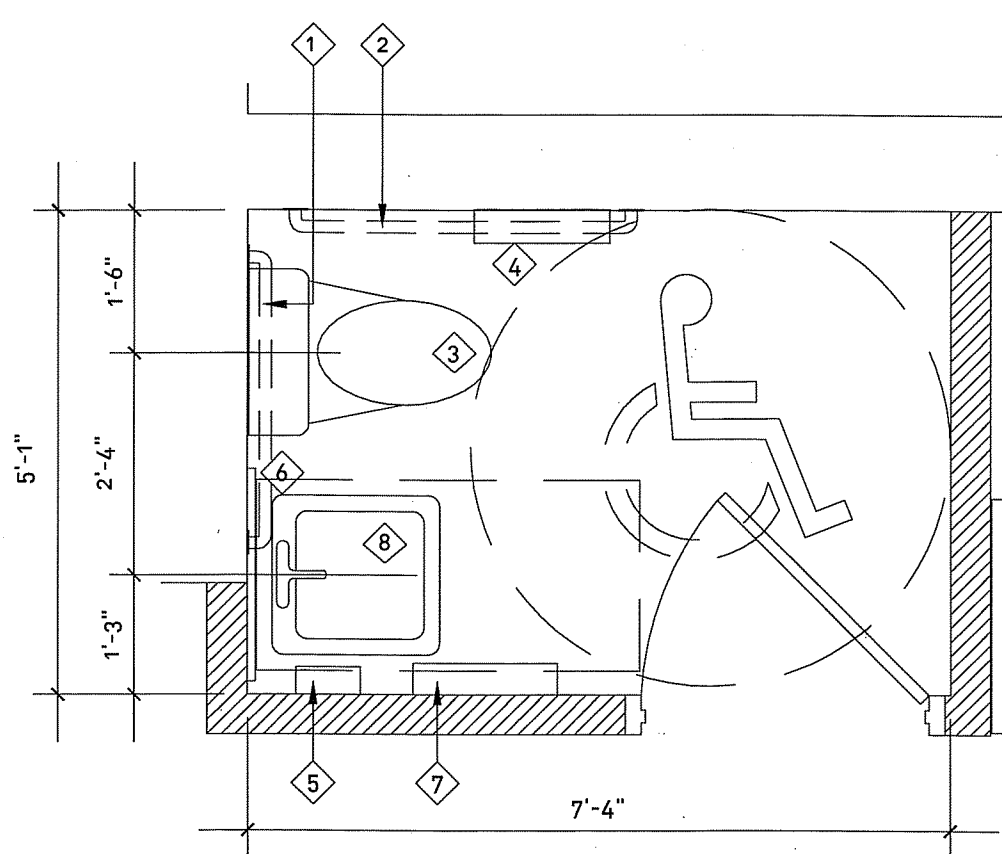
SHEET NO.:
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PROPOSED BASEMENT PLAN

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

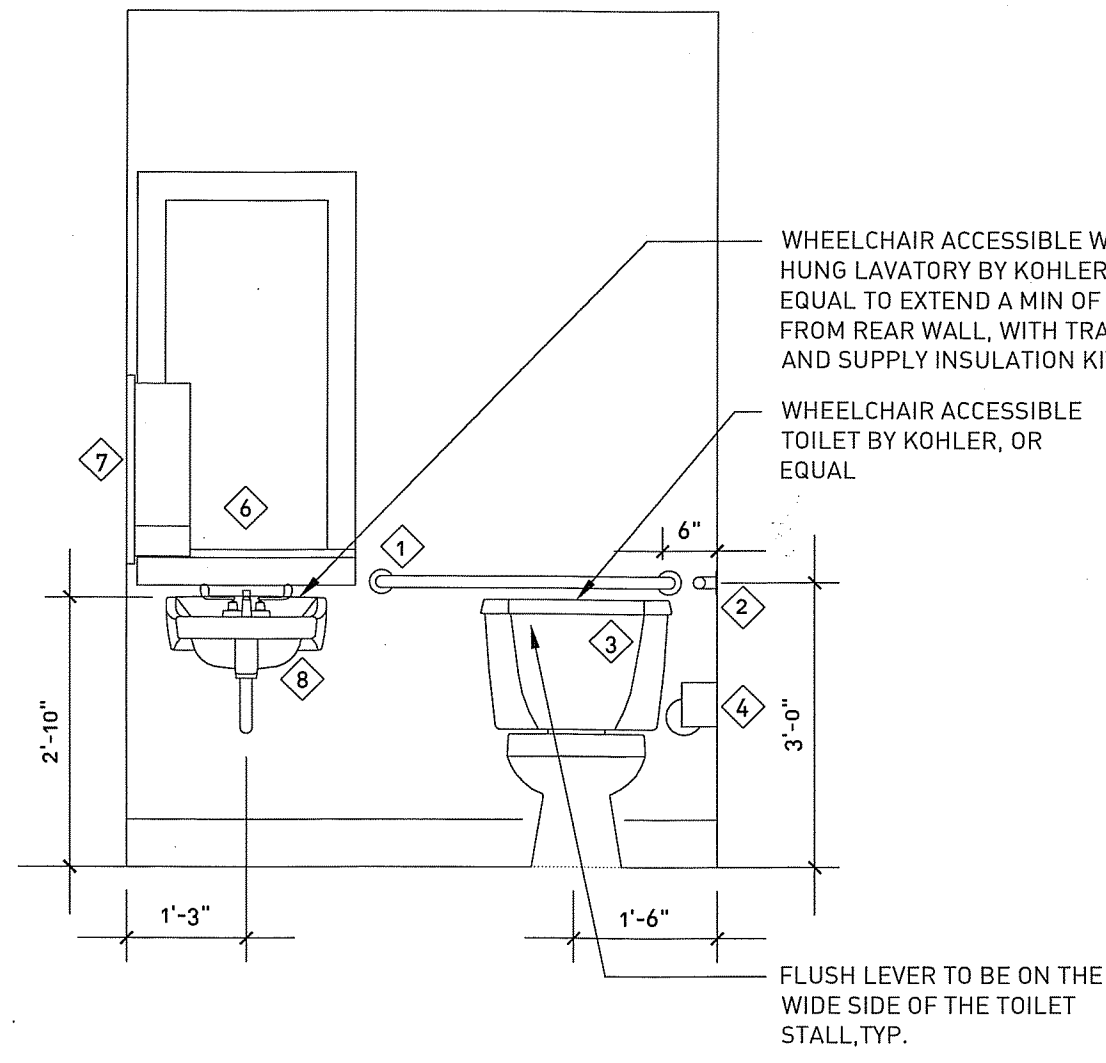
- BASEMENT NOTES**
- 1) DIRT FLOOR IN BASEMENT 1.
 - 2) BRICK FLOOR IN BASEMENT 2.
 - 3) BOTTOM OF FLOOR JOISTS IS APPROX. 6'-7" ABOVE FINISH FLOOR IN THE BASEMENT 1.
 - 4) BOTTOM OF FLOOR JOISTS IS APPROX. 6'-2" ABOVE FINISH FLOOR IN THE BASEMENT 2.
 - 5) FLOOR JOISTS ARE 2x11 ROUGH-SAWN LUMBER @ 12" O.C. W/ 'X' BRACING. JOISTS ARE RUNNING NORTH & SOUTH.



ADA LAV. DTL PLAN

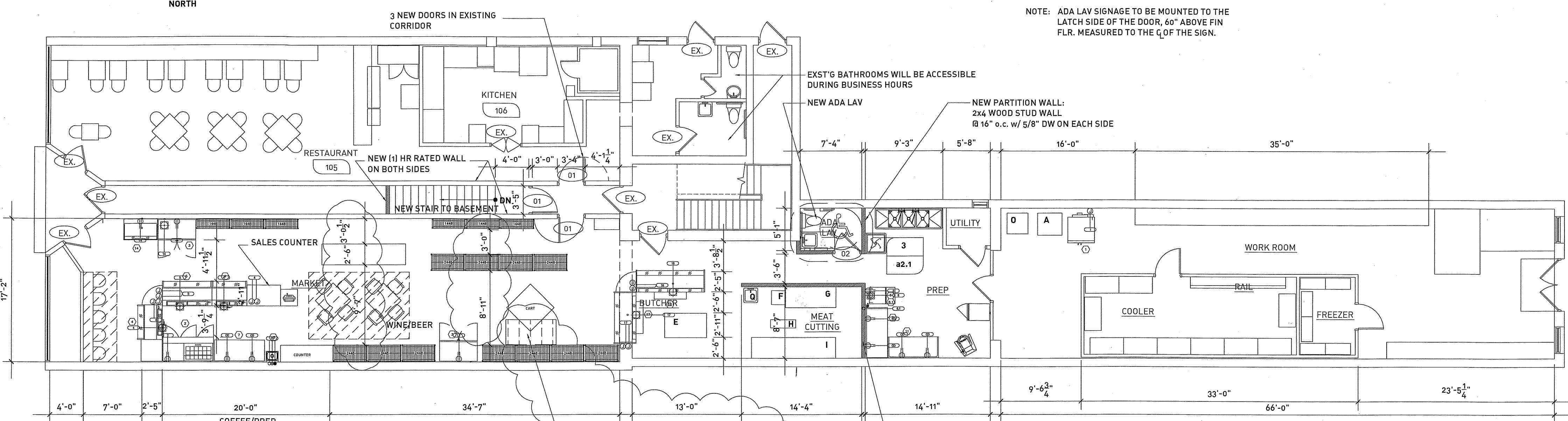
SCALE: 1/2" = 1'-0"

NOTE: ADA LAV SIGNAGE TO BE MOUNTED TO THE LATCH SIDE OF THE DOOR, 60" ABOVE FIN FLR. MEASURED TO THE C.O. OF THE SIGN.



ADA LAV. DTL

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



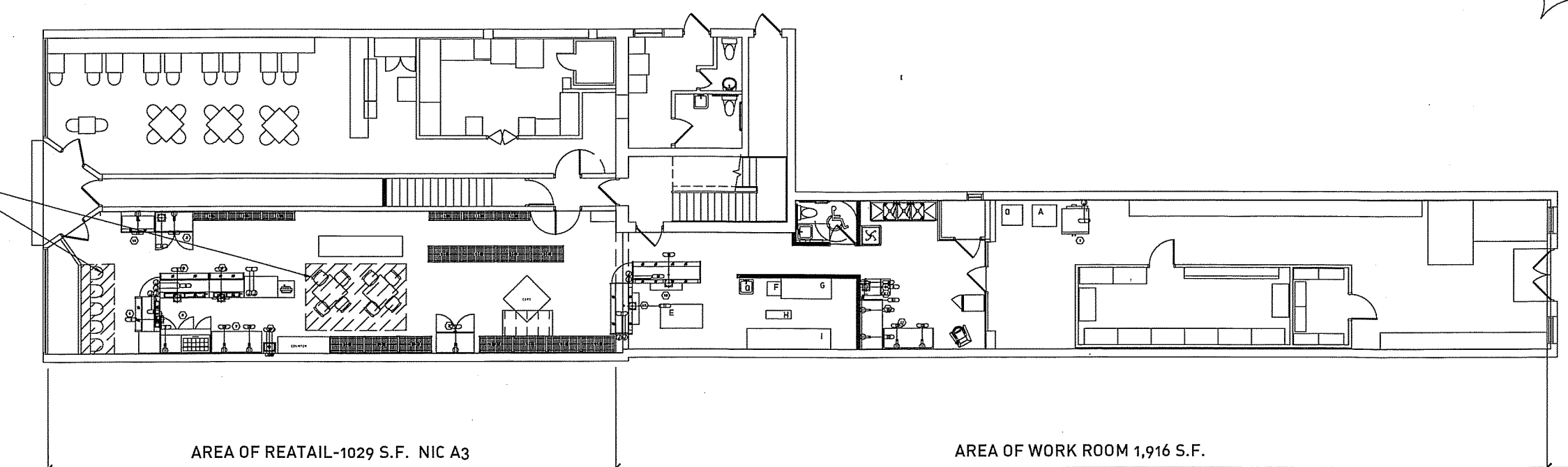
PROPOSED FIRST FLOOR PLAN

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

- REMOVE EXST'G COVER AND INFILL EXST'G OPENING W/ FLOORING TO MATCH EXST'G ON 2X8 FRAMING AT 16" O.C. ON JOIST HANGERS.**

NEW PARTITION WALL: 2X4 WOOD STUD WALL @ 16" O.C. W/ 5/8" DW ON EACH SIDE

AREA 1
HATCHED AREA
INDICATES 139 S.F. OF
SEATING AREA



AREA DIAGRAM

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

PAPER TOWEL DISPENSER NOT TO PROTRUDE MORE THAN 4" INTO THE REQ'D CLEAR APPROACH WIDTH FOR THE LAVATORY.

WHEELCHAIR ACCESSIBLE WALL HUNG LAVATORY BY KOHLER, OR EQUAL TO EXTEND A MIN OF 17" FROM REAR WALL, WITH TRAP AND SUPPLY INSULATION KIT.

WHEELCHAIR ACCESSIBLE TOILET BY KOHLER, OR EQUAL

NOTE:
ALL NEW FAUCETS ARE TO BE LEVER HANDLE ADA ACCESSIBLE AS REQUIRED BY ADAAG.

TYP. FIXTURE MOUNTING HEIGHTS

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

TOILET ACCESSORY KEY

NOTE: "B" INDICATES TOILET ACCESSORY AS MANUFACTURED BY BOBRICK OR EQUAL IN TYPE 304 STAINLESS STEEL FINISH.

- 1) #B-5806-36 - WALL MOUNTED 1 1/4" DIA, 36" L. GRAB BAR. MOUNT W/ CENTER 36" A.F.F. AND BACK END 6" FROM BACK WALL.
- 2) #B-5806-42 - WALL MOUNTED 1 1/4" DIA, 42" L. GRAB BAR. MOUNT W/ CENTER 36" A.F.F. AND BACK END 12" FROM BACK WALL.
- 3) TOILET (TO BE SELECTED BY OWNER)
- 4) #B-4298 - SURFACE MOUNTED DUAL TOILET TISSUE DISPENSER. MOUNT @ 27 1/2" A.F.F. TO CENTERLINE AND 30" FROM BACK WALL TO CENTERLINE.
- 5) #B-2111 - SURFACE MOUNTED VERTICAL SOAP DISPENSER 48" A.F.F.
- 6) #B-165 2436 - CHANNEL FRAME MIRROR.
- 7) #B-262 - SURFACE MOUNTED PAPER TOWEL DISPENSER. MOUNT TOP AT 54" A.F.F.
- 8) WALL MOUNT LAVATORY - KOHLER "K-1723" WALL MOUNT MODEL W/ KOHLER "TRITON K-7443-6A" LAVATORY FAUCET. MOUNTING HEIGHT PER MANUFACTURERS RECOMMENDED MOUNTING HEIGHT.

BUTCHER EQUIPMENT

SEE ENGINEERING DRAWINGS

MARKET EQUIPMENT

- 1) SALES COUNTER-MAX 36"H X 36" LONG PER ADA 904.3.2
- 2) CONDIMENTS-MAX 34"H X 24" DEEP PER ADA

DOOR TYPES

- 01 3'-0" x 7'-0" (1) HR RATED SOLID CORE WOOD DOOR W/ CLOSER & LOCKSET IN HOLLOW METAL FRAME- NOTE: HEIGHT AT BASEMENT LEVEL STAIRS TO BE FIELD VERIFIED
- 02 3'-0" x 7'-0" SOLID CORE WOOD DOOR W/ PRIVACY LOCKSET

ADDK, INC. - (A) - 1790 Madison Avenue, Lakewood, OH 44107 - (P) - 216.771.1920 - (F) - 216.771.1991 - (W) - www.addk.com

ARCHITECTURE OFFICE - DAVID KREBS

SPoon MARKET

PROJECT TITLE:

PROJECT:

SPoon MARKET
147 SOUTH MARKET ST.
WOOSTER, OH

PERMIT

03.25.2011

PERMIT REVISIONS

04.21.2011

ISSUE/DATE:

AUTHORIZATION:

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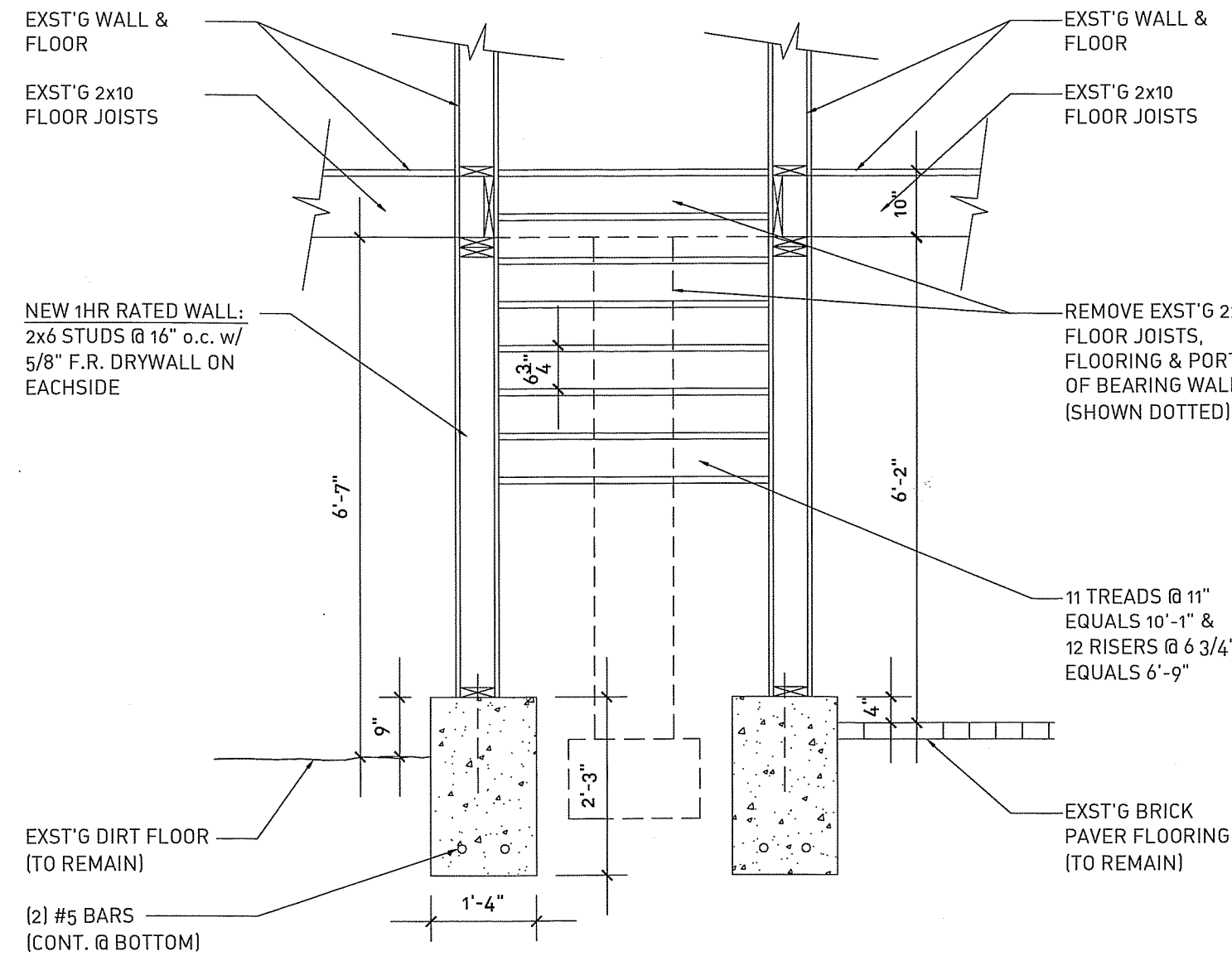
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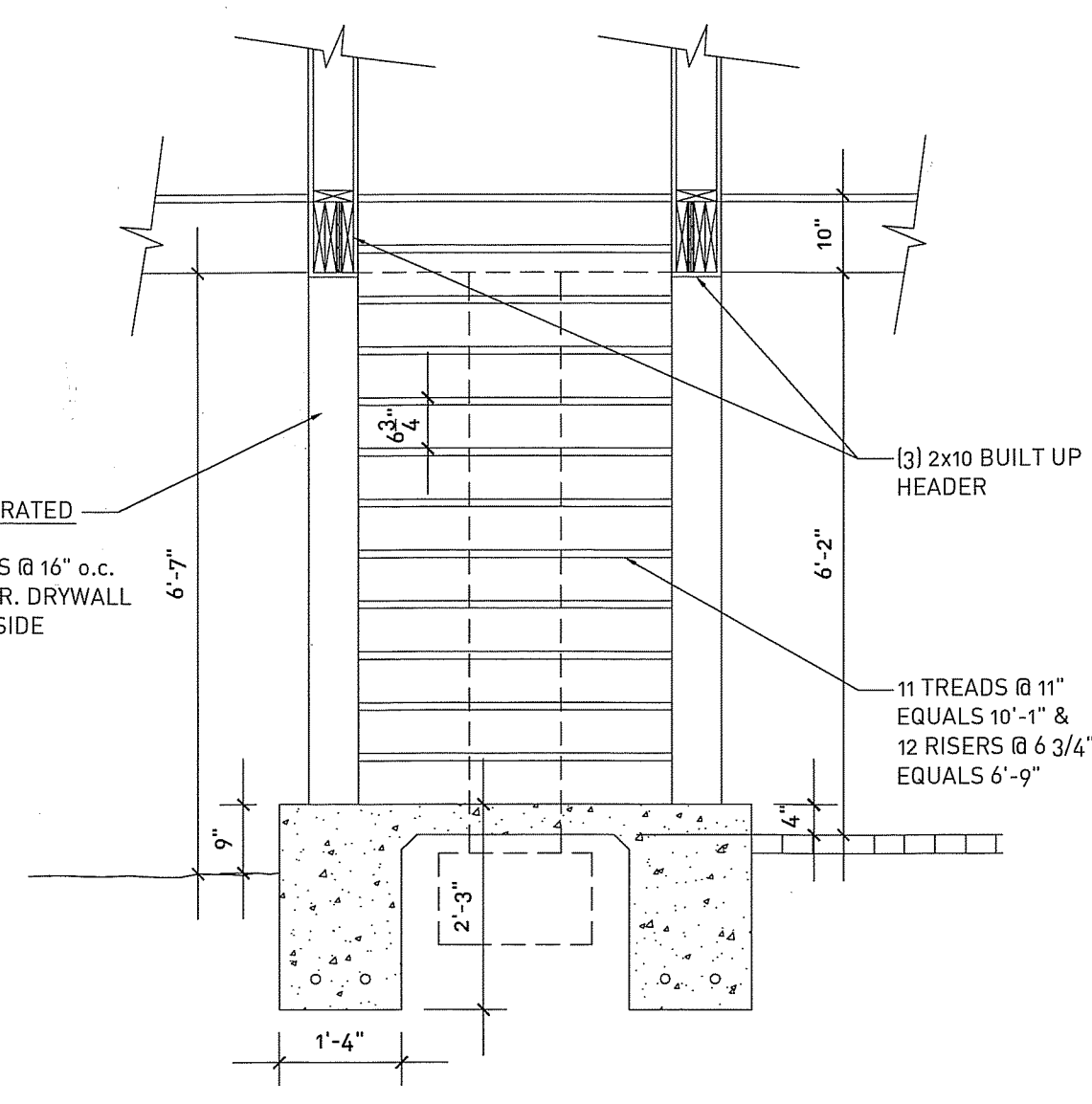
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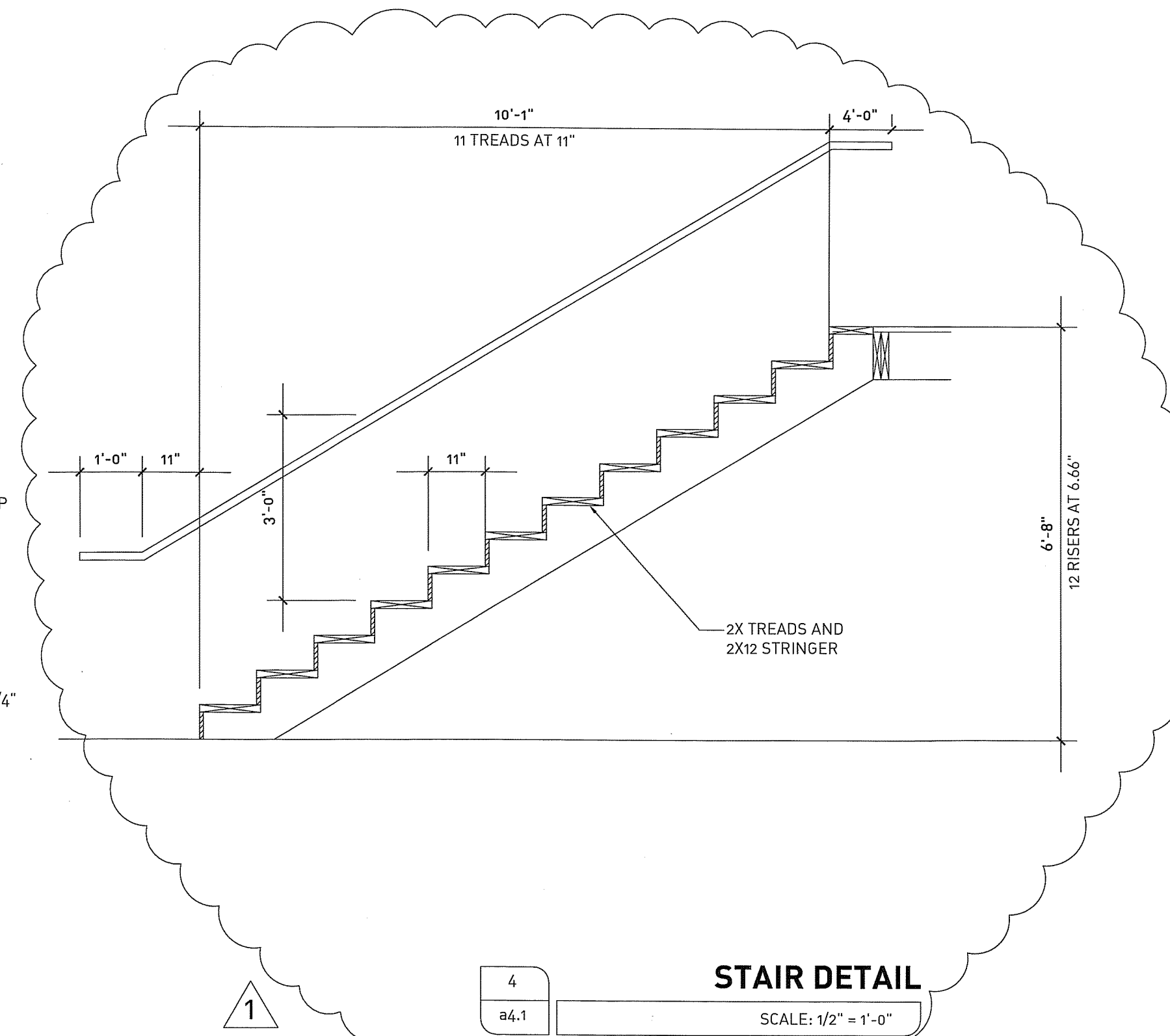
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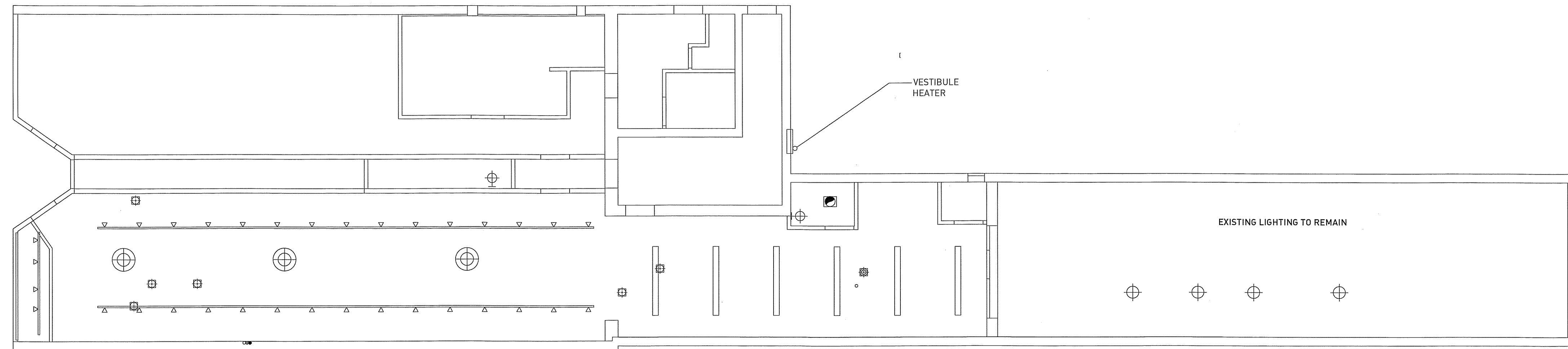
2
84.1
STAIR DETAIL
SCALE: 1/2" = 1'-0"



3
84.1
STAIR DETAIL
SCALE: 1/2" = 1'-0"



4
84.1
STAIR DETAIL
SCALE: 1/2" = 1'-0"

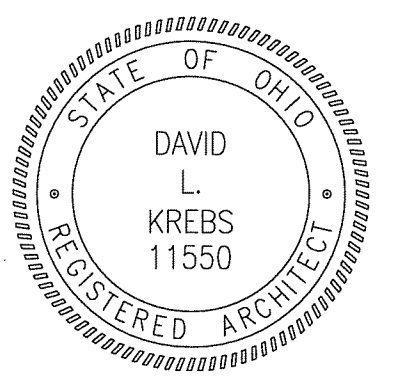


1
84.1
REFLECTED CEILING PLAN - FIRST FLOOR
SCALE: 1/8" = 1'-0"

LIGHTING SCHEDULE

- NEW WALL MOUNT LIGHT FIXTURE
- NEW LAMPS IN NEW COOLER
- NEW CLG PENANT BY OWNER IN EXISTING PENDANT LOCATION
- EXISTING 8' STRIP FLUORESCENT - NEW WRAP AROUND LENS-OVER EXISTING LAMPS
- EXISTING TRACK LIGHTING

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ARCHITECTURE OFFICE - DAVID KREBS

SPOON MARKET

PROJECT TITLE:

PROJECT: SPOON MARKET
147 SOUTH MARKET ST.
WOODSTER, OH

PERMIT 03.25.2011
PERMIT REVISIONS 04.21.2011

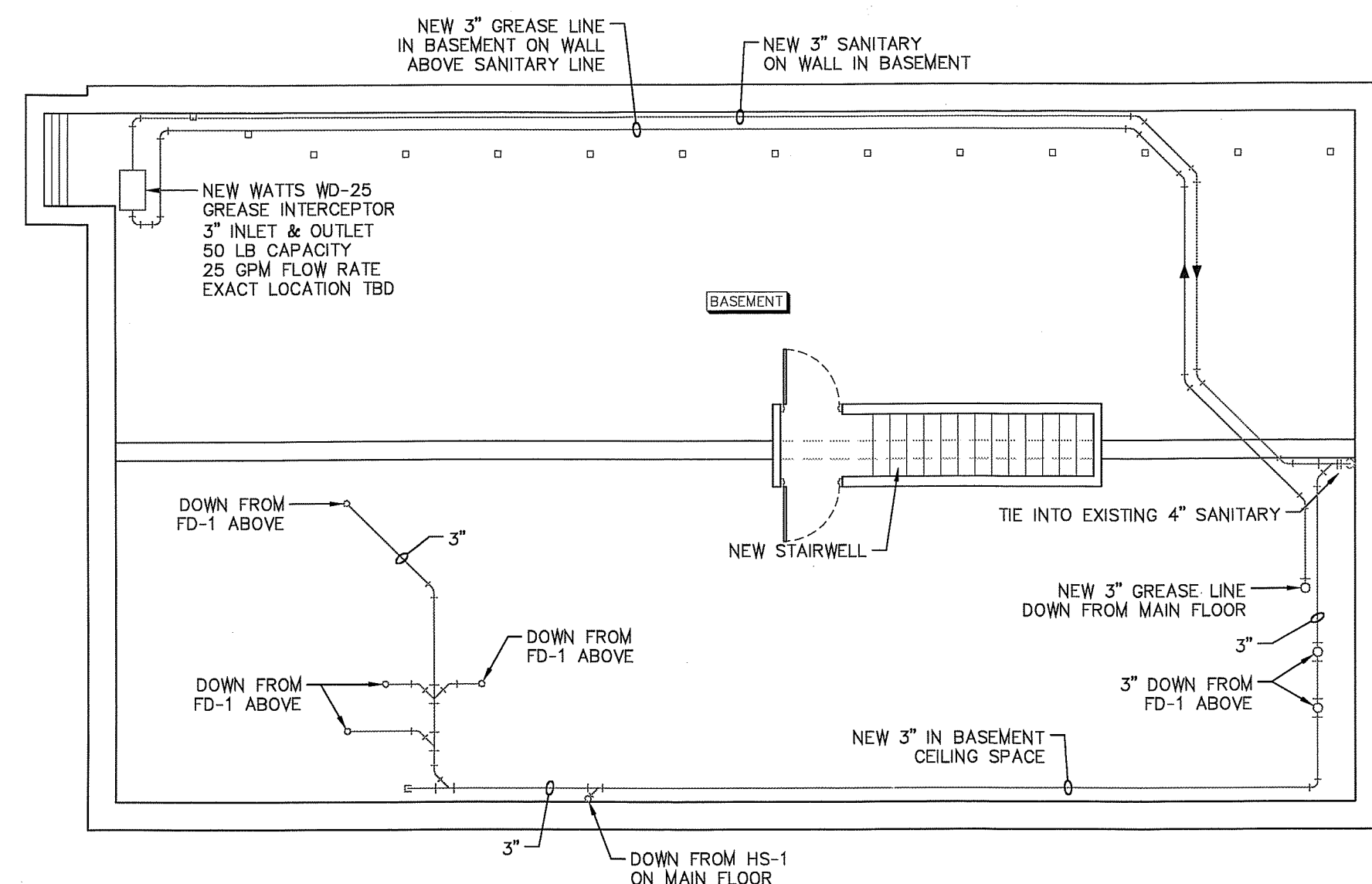
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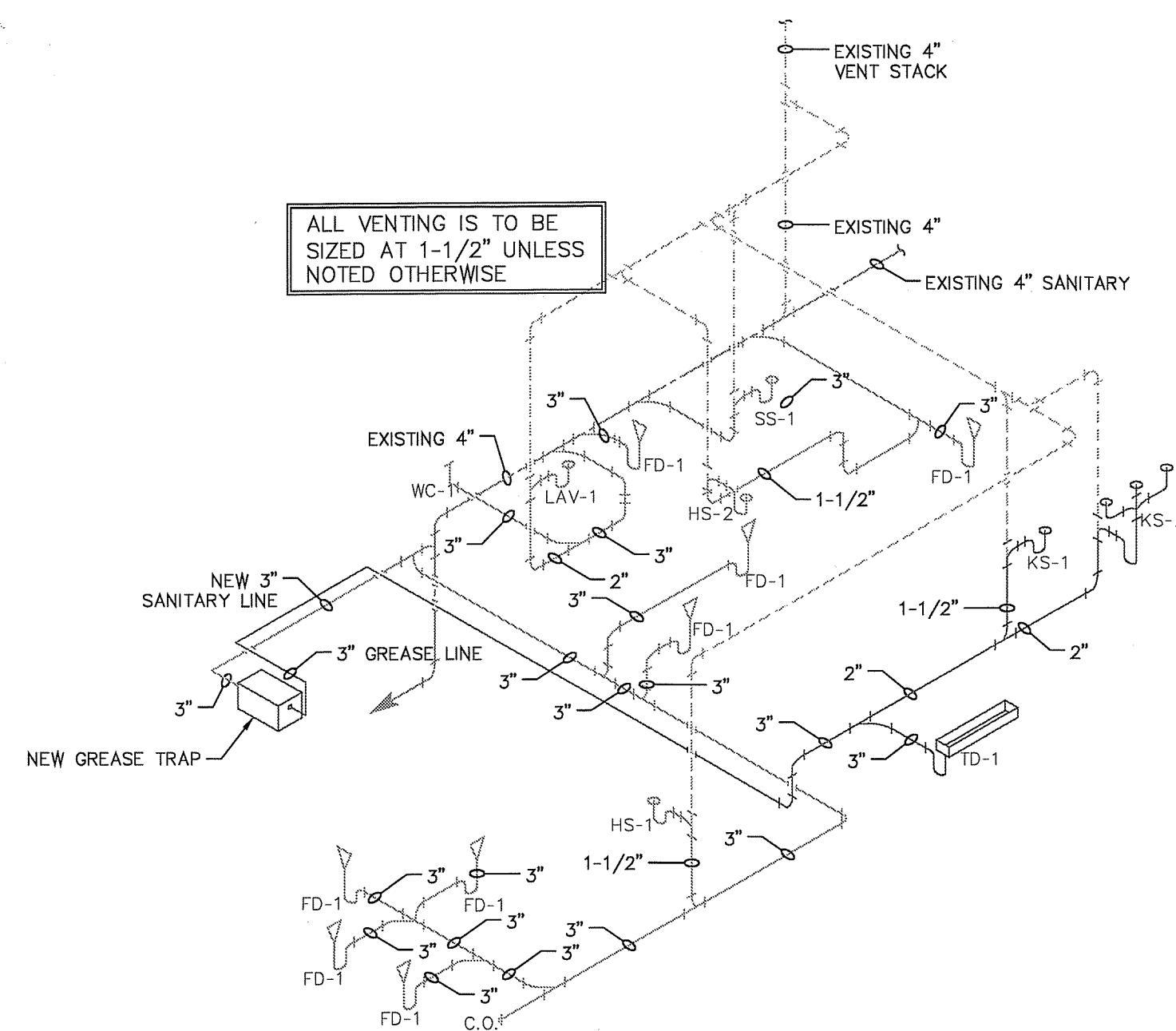
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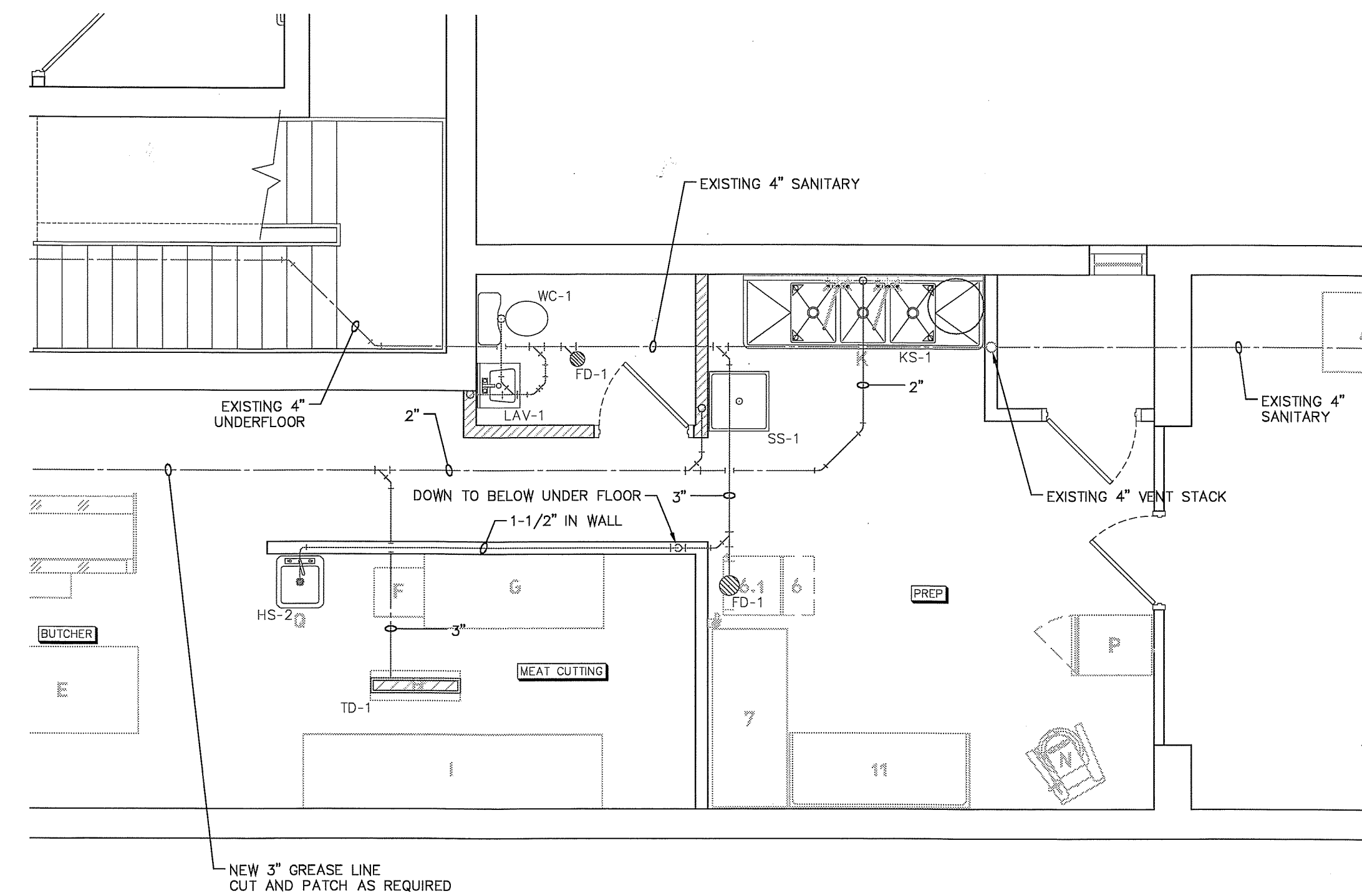
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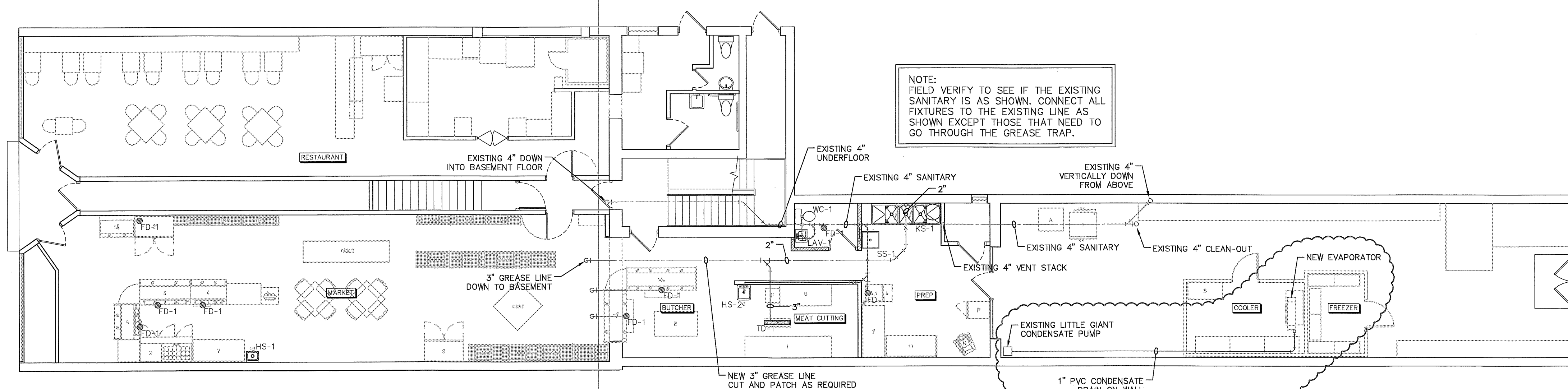
BASEMENT PLUMBING DRAINAGE PLAN



PLUMBING ISOMETRIC PLAN

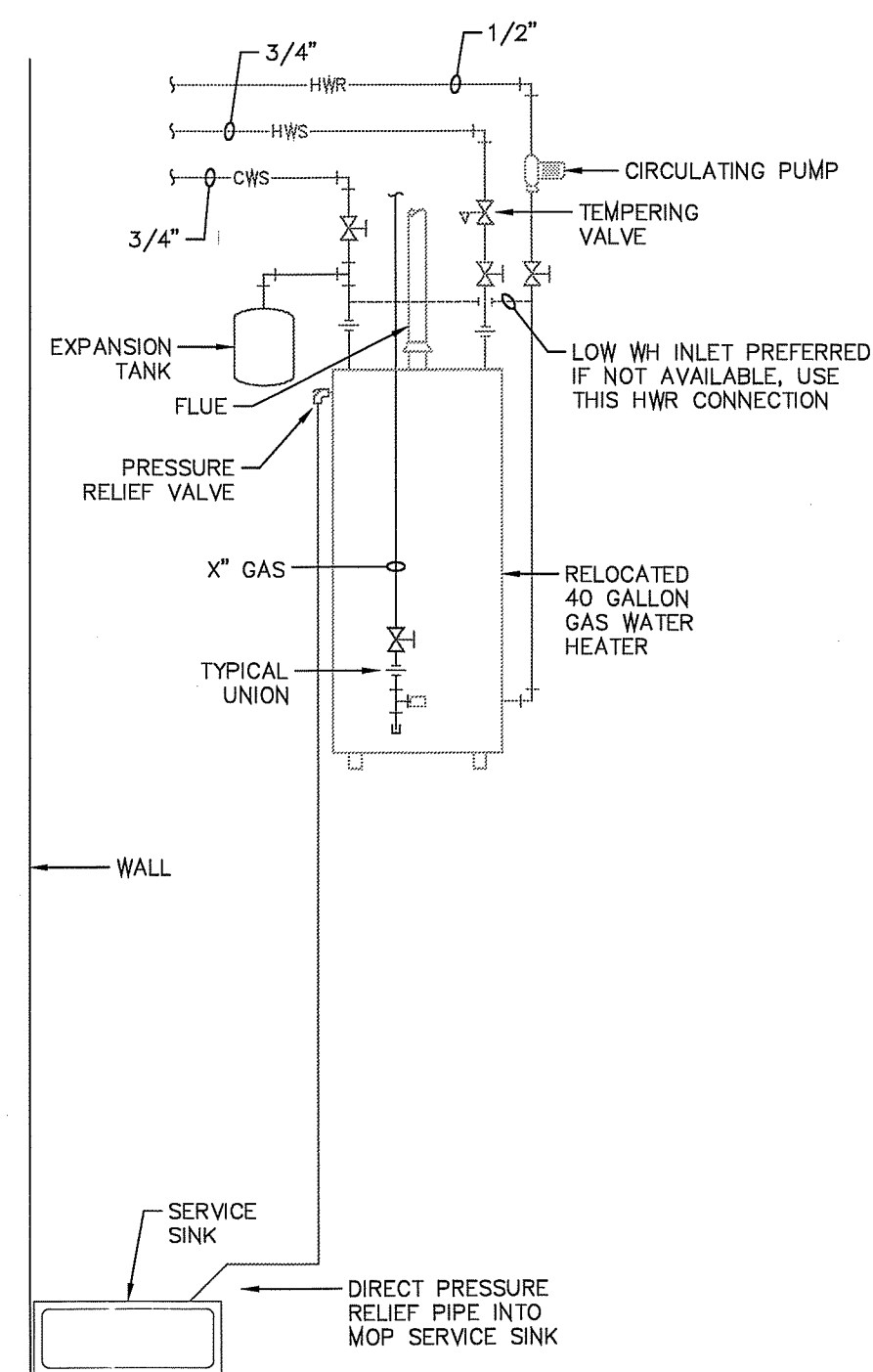


ENLARGED PLUMBING DRAINAGE PLAN SCALE: 1/4" = 1'0"



FIRST FLOOR PLUMBING DRAINAGE PLAN

BASEMENT BELOW CONCRETE SLAB



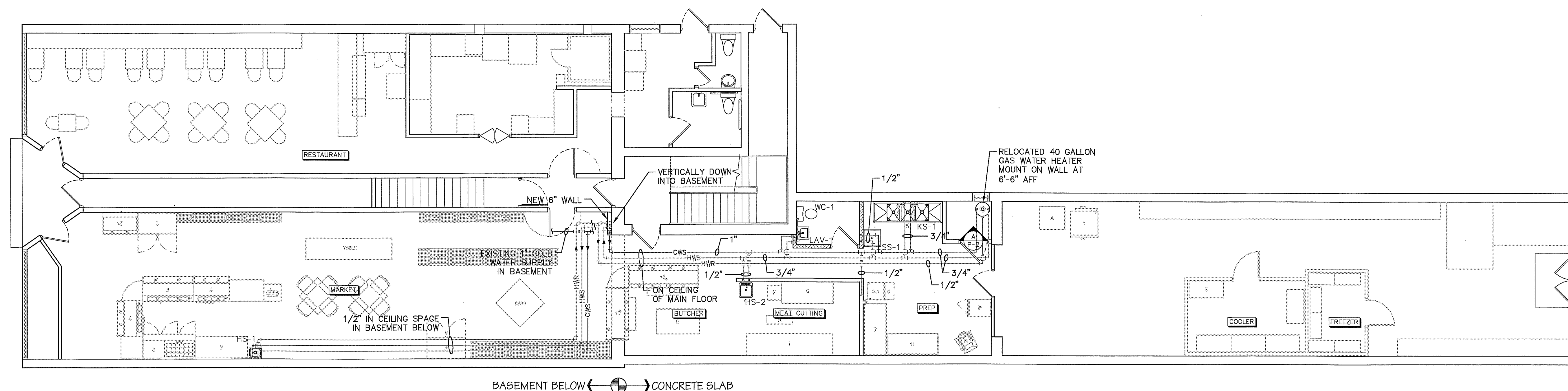
Water Heater Detail
SCALE: 1/2" = 1'-0"

PLUMBING EQUIPMENT SCHEDULE				
MARK	DESCRIPTION	MANUFACTURER	MODEL NUMBER	REMARKS
LAV-2	LAVATORY	AMERICAN STANDARD	DECLYN	Commercial china wall hung lavatory. Faucet holes are on 4" centers. Use American Standard 2175.502.002 faucet and drain assembly.
HS-1	HAND SINK	ADVANCE TABCO	7-PS-60	
KS-1	KITCHEN SINK	EXISTING		Use Krowne Metal 14-814 faucet assembly.
WC-1	TOILET	AMERICAN STANDARD	CADET 3 "RIGHT HEIGHT"	Elongated design with seat, 12 inch rough in, 16-1/2" HDPC rim height, 1.6 GPF.
SS-1	SERVICE SINK	E.L. MUSTEE	63	24 inch sq. fiberglass mop basin with Speakman S-5811-RCP faucet assembly.
FD-1	FLOOR DRAIN	JONES STEPHENS	D56-406 (or equal)	Nickel Brass strainer with a D52-500 hub base (3") or D52-103 (4")
TD-1	TRENCH DRAIN	ACO POLYMER	KS100S	General purpose with a 4" opening, polymer trench drain system with a stainless steel edge rail, 36" length.

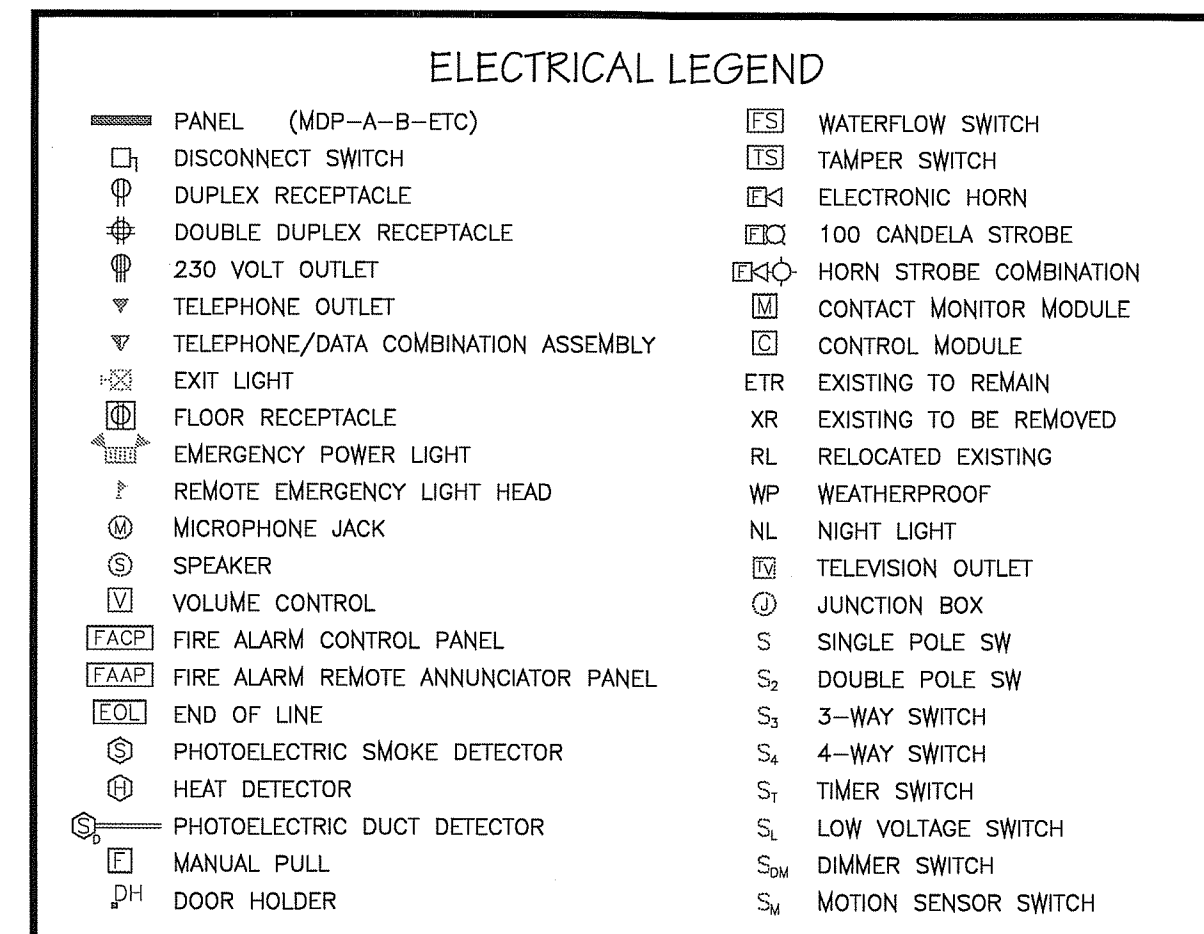
PLUMBING LEGEND	
AAV	AIR ADMITTANCE VALVE
BF	BACK FLOW PREVENTER
C	COLD WATER LINE
CO	CLEAN OUT
CS	CIRCUIT SETTER
CV	CHECK VALVE
CWS	COLD WATER SUPPLY
D	DISPOSAL
DF	DRINKING FOUNTAIN
DW	DISHWASHER
E	ELECTRIC LINE
EW	EYE WASH
FD	FLOOR DRAIN
G	GAS LINE
GT	GREASE TRAP
H	HOT WATER LINE
HB	HOSE BIBB
HS	HAND SINK
HC	HEAT/COOL UNIT
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
IM	ICE MAKER
KS	KITCHEN SINK
LAV	LAVATORY
LP	LIFT PUMP
MB	MOP BASIN
P	PUMP
PC	PUMP CONTROL
PD	PAPER DISPENSER
S	SEWAGE LINE
SB	STEAM BOILER
SD	SOAP DISPENSER
SH	SHOWER HEAD
SHS	SHAMPOO SINK
SM	SHOWER MODULE
SP	SPRINKLER HEAD
SS	SERVICE SINK
SV	SHOWER VALVE
SW	SEWAGE PUMP
T	THERMOSTAT
TD	TOWEL DISPENSER
UR	URINAL
V	VALVE
W	WATER LINE
WC	WATER CLOSET
WH	WATER HEATER
WP	WHIRLPOOL
WS	WATER SOFTENER

- PLUMBING NOTES**
- Each tank toilet, lavatory and shower shall be supplied with 1/2" copper.
 - Each flush valve toilet shall be supplied with 1" copper.
 - All public lavatories shall have a mixing valve on the hot water supply set at a temperature no higher than 110°F.
 - All solder is to be Silverflo lead free solder (or equal) except for underground piping. For underground, joints shall be brazed with silver solder with a melting point above 1,000°F.
 - For underground water lines, use type K copper. Where there are joints underground, use silver solder.
 - All drain, waste, and vent is to be plastic type ABS or PVC.
 - All gas pipe is to be schedule 40 black steel.
 - All plumbing fixtures are to be installed with supply valves.
 - All plumbing is to be installed in compliance with the Ohio plumbing code.
 - Each gas appliance is to be installed with a manual shut off.
 - All cold and hot water supply lines are to be installed with 1/2" wall pipe insulation.
 - Urinals are to be supplied with 3/4" copper pipe.
 - Any penetrations made in a fire rated wall, ceiling or floor shall maintain the required structural integrity and the fire resistance rating as per section 711 OBC. When required, a firestopping sealant such as Metacaulk 835+ or equivalent shall be used.
 - The general contractor is to provide support for all room lavatories.

KITCHEN EQUIPMENT SCHEDULE										
MARK	QTY	MANUFACTURER	MODEL NUMBER	DESCRIPTION	AMPS	KW	HP	ELECTRIC CONNECTION	CW	REMARKS
1	1	BLODGETT OVEN	ZEPHAIRE E SGL	ELECTRIC CONVECTION OVEN	51.0	11.0	1/3	208/60/1	DIRECT	--
2	1	TRUE FOOD SERVICE	TSSU-72-18M-B	SANDWICH/SALAD PREP REFRIGERATOR	10.5	--	1/2	115/60/1	PLUG	--
3	2	TRUE FOOD SERVICE	GDM-49	REFRIGERATED DISPLAY CASE	7.3	--	1/2	115/60/1	PLUG	--
4	2	HOWARD-McCRAY	SC-CDS35-4	CLOSED DELI DISPLAY CASE	6.0/12.0	--	1/4	115/60/1	DIRECT	--
5	1	HOWARD-McCRAY	SC-CDS39-6	CLOSED DELI DISPLAY CASE	8.7/12.0	--	1/3	115/60/1	DIRECT	--
6	1	HOSHIZAKI AMERICA	KM-101BAH	ICE MAKER WITH BIN	5.2	--	--	120/60/1	PLUG	1/2" FROM 6.1
6.1	1	HOSHIZAKI AMERICA	9326-01	FOUNTAIN BEVERAGE FILTER SYSTEM	--	--	--	--	--	3/8" - 26" AFF
7	2	AMTEKCO	AWT-372.BS	WORKTABLE	--	--	--	--	--	--
11	1	AMTEKCO	CUSTOM	MAPLE TOP WORKTABLE	--	--	--	--	--	--
14	1	TRUE FOOD SERVICE	THAC-48	REFRIGERATOR, AIR CURTAIN TYPE	10.4	--	1/2	115/60/1	PLUG	--
15	1	ADVANCE TABCO	7-PS-60	WALL MOUNT HAND SINK	--	--	--	--	--	--
16	1	HOWARD-McCRAY	SC-CMS32E-8	CLOSED MEAT DISPLAY CASE	11.2/12.0	--	1/2	115/60/1	DIRECT	--
17	1	HOWARD-McCRAY	SC-CMS32E-6	CLOSED MEAT DISPLAY CASE	9.1/12.0	--	1/3	115/60/1	DIRECT	--
A				32"x35" SMOKER						
E				60"x35" BLOCK						
F				20"x20" SAW						
G				72"x30" POLY TABLE						
H				3"x12" DRAIN						
I				120"x30" POLY TABLE						
J				24"x24" PREP SINK						
K				96"x26" 3-BAY SINK						EXISTING
N				24"x30" MIXER						
P				30"x30" BREAD PROOFER						
S				GRINDER						



FIRST FLOOR PLUMBING WATER & GAS PLAN

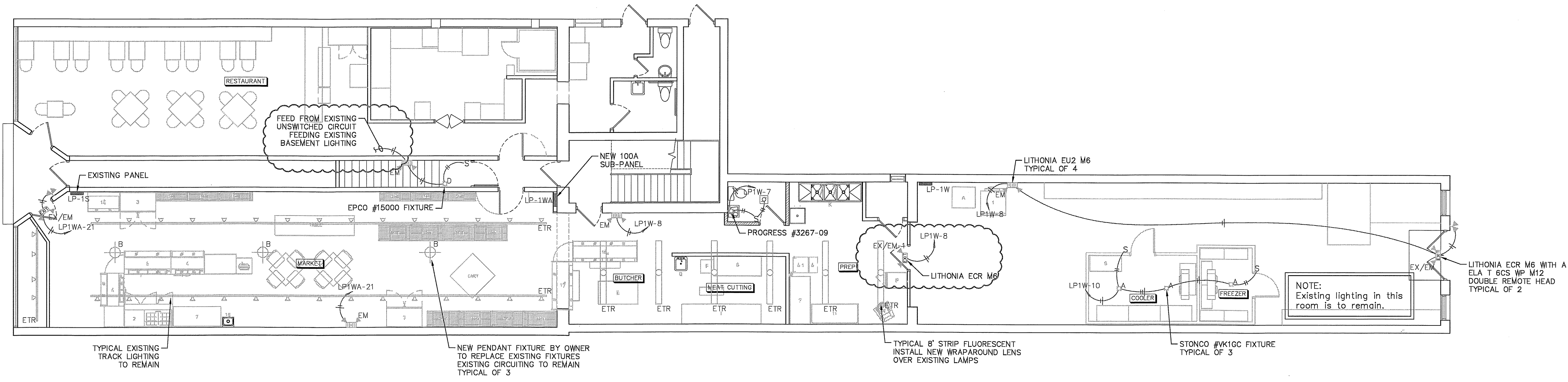


- # FIRST FLOOR ELECTRICAL POWER PLAN

KITCHEN EQUIPMENT SCHEDULE										
MARK	QTY	MANUFACTURER	MODEL NUMBER	DESCRIPTION	AMPS	KW	HP	ELECTRIC CONNECTION	CW	REMARKS
1	1	BLODGETT OVEN	ZEPHAIRE E SGL	ELECTRIC CONVECTION OVEN	51.0	11.0	1/3	208/60/1	DIRECT	
2	1	TRUE FOOD SERVICE	TSSU-72-18M-B	SANDWICH/SALAD PREP REFRIGERATOR	10.5	--	1/2	115/60/1	PLUG	
3	2	TRUE FOOD SERVICE	GDW-49	REFRIGERATED DISPLAY CASE	7.3	--	1/2	115/60/1	PLUG	
4	2	HOWARD-McCRAY	SC-CDS35-4	CLOSED DELI DISPLAY CASE	6.0/12.0	--	1/4	115/60/1	DIRECT	
5	1	HOWARD-McCRAY	SC-CDS35-6	CLOSED DELI DISPLAY CASE	8.7/12.0	--	1/3	115/60/1	DIRECT	
6	1	HOSHIZAKI AMERICA	KM-101BAH	ICE MAKER WITH BIN	5.2	--	--	120/60/1	PLUG	1/2" FROM 6.1
6.1	1	HOSHIZAKI AMERICA	9326-01	FOUNTAIN BEVERAGE FILTER SYSTEM	--	--	--	--	3/8" - 26" AFF	
7	2	AMTEKCO	AWT-372.BS	WORKTABLE	--	--	--	--	--	
11	1	AMTEKCO	CUSTOM	MAPLE TOP WORKTABLE	--	--	--	--	--	
14	1	TRUE FOOD SERVICE	THAC-48	REFRIGERATOR, AIR CURTAIN TYPE	10.4	--	1/2	115/60/1	PLUG	
15	1	ADVANCE TABCO	7-PS-60	WALL MOUNT HAND SINK	--	--	--	--	--	
16	1	HOWARD-McCRAY	SC-CMS32E-B	CLOSED MEAT DISPLAY CASE	11.2/12.0	--	1/2	115/60/1	DIRECT	
17	1	HOWARD-McCRAY	SC-CMS32E-B	CLOSED MEAT DISPLAY CASE	9.1/12.0	--	1/3	115/60/1	DIRECT	
A				32"x35" SMOKER						
E				60"x35" BLOCK						
F				20"x20" SAW						
G				72"x30" POLY TABLE						
H				3"x12" DRAIN						
I				120"x30" POLY TABLE						
J				24"x24" PREP SINK						
K				96"x26" 3-BAY SINK						EXISTING
N				24"x30" MIXER						
P				30"x30" BREAD PROOFER						
S				GRINDER			2	10		

Existing Panel LP-1W										
200A Square D NQOD42L225 MH35 Box MHC355 Cover										
Main Lug 120/208 Volts 1 Phase 3-Wires										
CIR #	DESCRIPTION	CON	WIRE	BKR	KW	A	B	KW	BKR	WIRE
1	Existing Circuit					0.00				
3	Existing Circuit						0.00			
5	Existing Circuit					0.00				
7	Restroom Lights & Exhaust Fan	1/2	12	20	0.75		0.75		20	12
9	Panel Receptacle	1/2	12	20		0.40		0.40	20	12
11	Meat Cutting Receptacle	1/2	12	20			3.00	3.00	40	8
13	Prep Room Mixer Receptacles	1/2	12	20		3.00		3.00	20	12
15	Prep Room Bread Proofer Receptacle	1/2	12	20			1.14	1.14	20	12
17	Ice-Maker Receptacle	1/2	12	20	1.20	2.34		1.14	20	12
19	Convection Oven	3/4	8	40	3.00		3.50	0.50	20	12
21					3.00	4.10		1.10	20	12
23	Grinder in Cooler	1/2	12	20	1.44		1.94	1.10	20	12
25					1.44	2.54		0.50	20	12
27	Smoker Receptacle	1/2	12	20			1.10			
29	Prep Room Receptacles	1/2	12	20		0.50				
31						0.00				
33						0.00				
35							0.00			
37					2.05	2.05				
39	LP-1WA	1-1/4	3	100	2.50		2.50			
41					2.50	2.50				
KW per Phase						12.4	13.9	Total Connected Load		31.4 KW

New Panel LP-1WA										
100A Square D NQ30L100 MH26 Box MHC265 Cover										
Main Lug 120/230 Volts 1 Phase 3-Wires										
CIR #	DESCRIPTION	CON	WIRE	BKR	KW	A	B	KW	BKR	WIRE
1	Delic Display Case #4 Power	1/2	12	20	0.69	1.98		1.29	20	12
3	Delic Display Case #4 Power	1/2	12	20	1.38		2.76	1.38	20	12
5	Delic Display Case #5 Power	1/2	12	20	1.00	2.05		1.05	20	12
7	Delic Display Case #5 Power	1/2	12	20	1.38		2.76	1.38	20	12
9	Delic Display Case #4 Power	1/2	12	20	0.69	1.53		0.84	20	12
11	Delic Display Case #4 Power	1/2	12	20	1.38		1.38	1.20	20	12
13	Market Front Receptacles	1/2	12	20		1.20		1.20	20	12
15	Refrigerator #14 Receptacle	1/2	12	20	1.20		1.20		20	12
17	Refrigerated Display Case #3 Receptacle	1/2	12	20	0.84	0.84				
19	Front Power for Sign Lighting	1/2	12	20		0.00				
21	Emergency & Exit Lights	1/2	12	20		0.00				
23						0.00				
25						0.00				
27						0.00				
29						0.00				
KW per Phase						7.6	8.1	Total Connected Load		15.7 KW



FIRST FLOOR ELECTRICAL LIGHTING PLAN

Metzger Engineering, Inc.

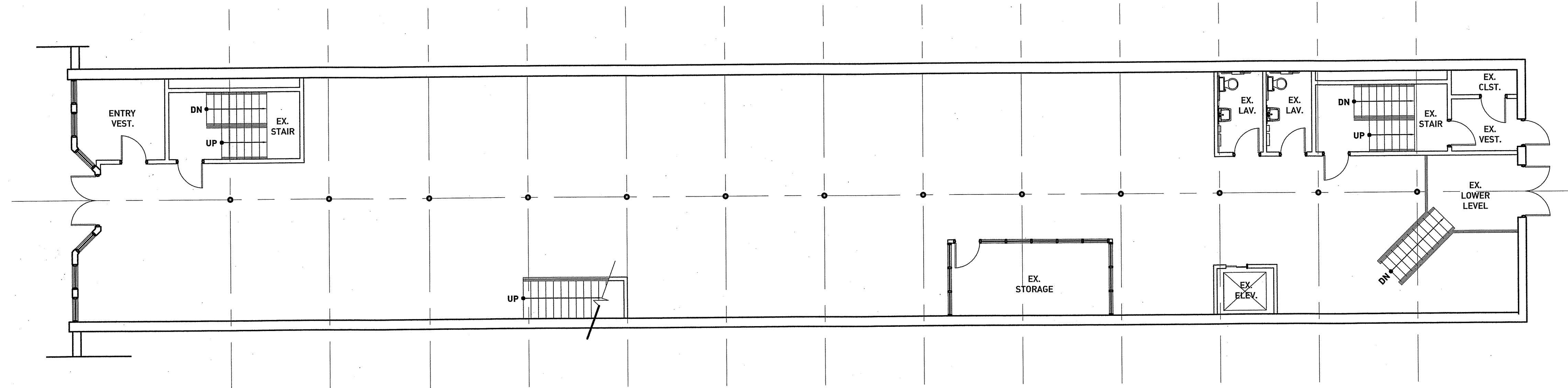
SPOON MARKET & DELI
151 SOUTH MARKET STREET
WOOSTER, OH 44691

STATE OF OHIO
DAVID A. METZGER
45500
REGISTERED PROFESSIONAL ENGINEER

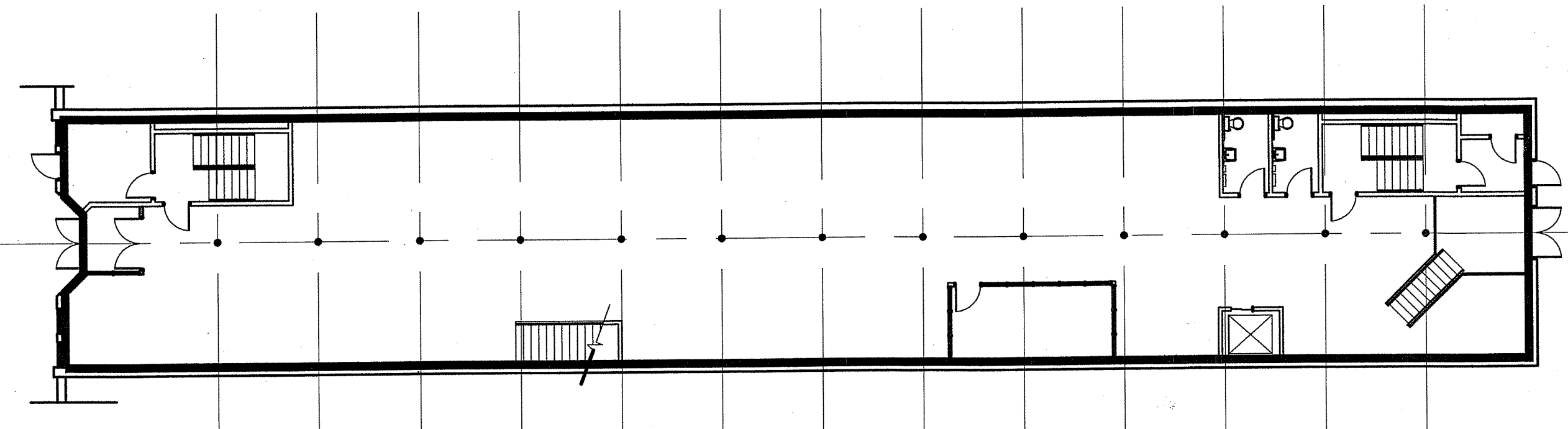
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NR
DATE
04 19 11
SCALE
1/8" = 1'0"
JOB NO.

SHEET
E - 2
2 OF 2 SHEETS

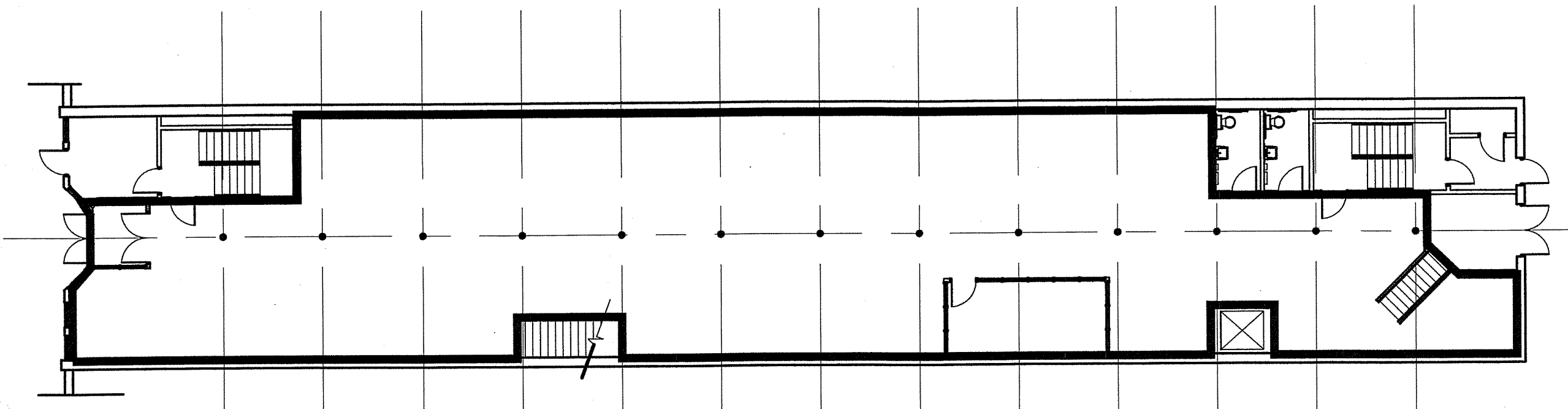
REVISION



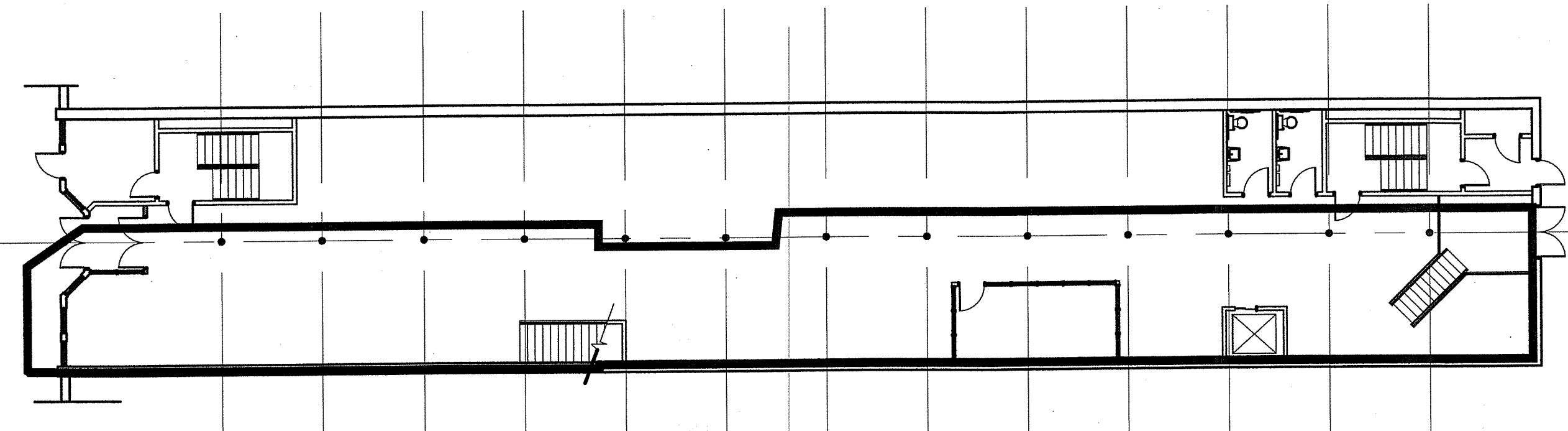
1
a1.1
NORTH
SCALE: 1/8" = 1'-0"



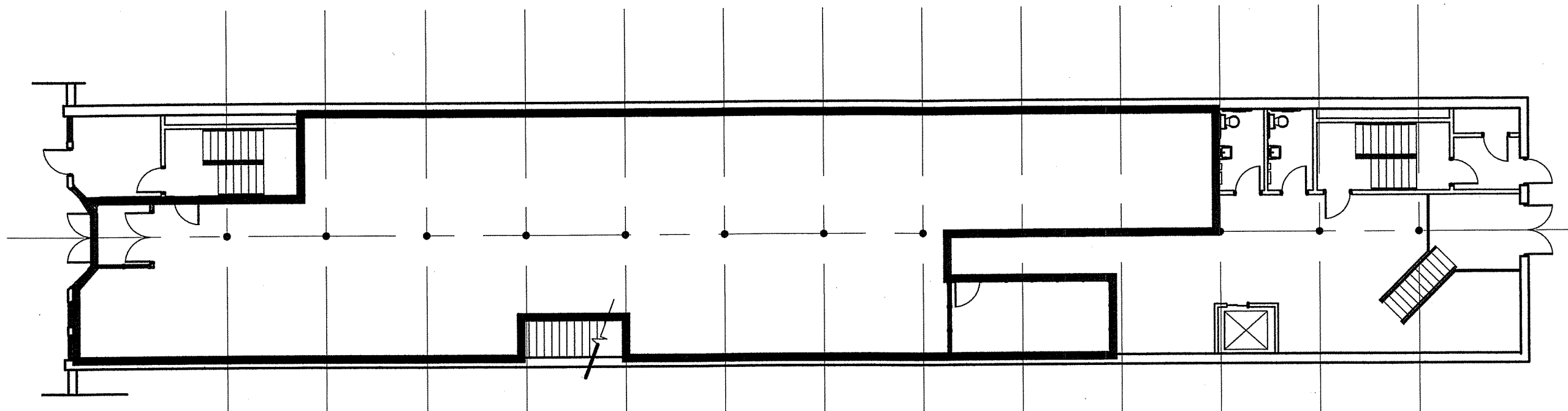
A
a1.1
NORTH
AREA (SHOWN BOLD): 5,161 S.F.



C
a1.1
NORTH
AREA (SHOWN BOLD): 4,293 S.F.



B
a1.1
NORTH
AREA (SHOWN BOLD): 3,078 S.F.



D
a1.1
NORTH
AREA (SHOWN BOLD): 3,411 S.F.

PROJECT TITLE:
SPOON MARKET

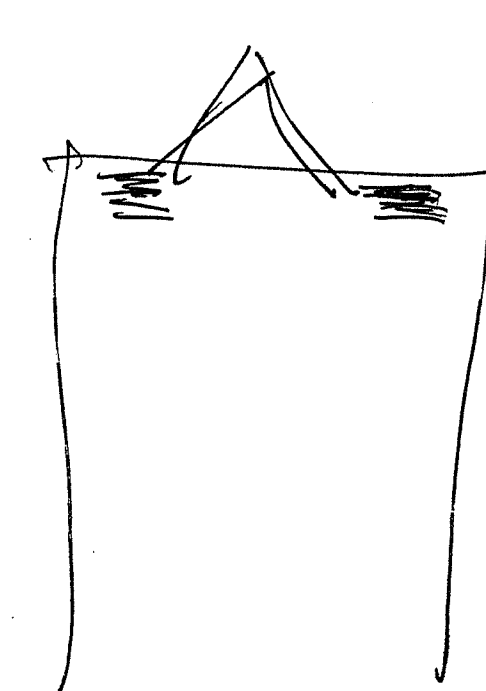
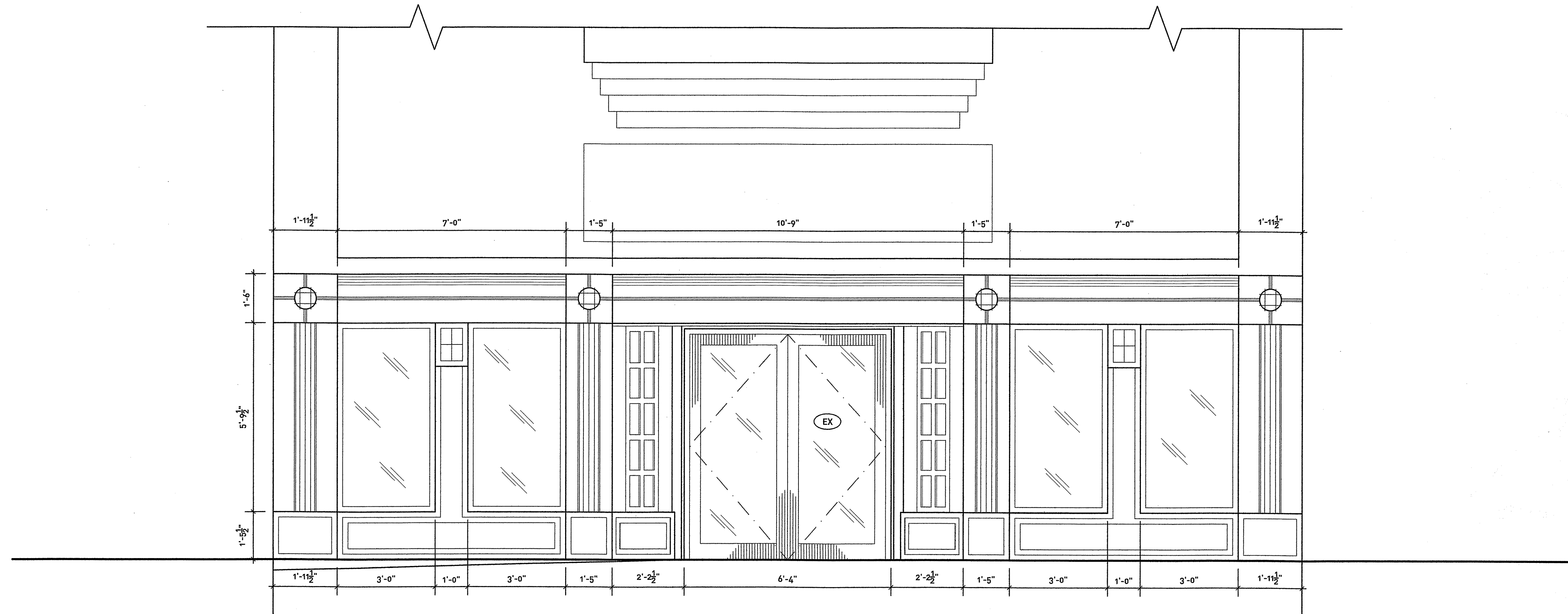
PROJECT:
SPOON MARKET
147 SOUTH MARKET ST.
WOOSTER, OH

REVIEW	05.05.2015

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AUTHORIZATION:
JOB NO.: LOCATION:
SERVER/DWG/CURRENT

15.23



1
a3.1
EXISTING NORTH ELEVATION
SCALE: 1/2" = 1'-0"

a°dk

PRELIMINARY
NOT FOR CONSTRUCTION

ADDK, INC. = [OA: 17236 Madison Avenue, Lakewood, OH 44129] + [P: 216.771.9323] + [F: 216.771.9971] + [W: www.aadkinc.com]
ARCHITECTURE OFFICE = DAVID KREBS

PROJECT TITLE:
SPOON MARKET

PROJECT:
SPOON MARKET
148 WEST LIBERTY ST.
WOOSTER, OH

REVIEW	05.05.2015

ISSUE/DATE:

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AUTHORIZATION:
SERVER/DWG/CURRENT
15.23

SHEET No:
a3.1

Job Copy

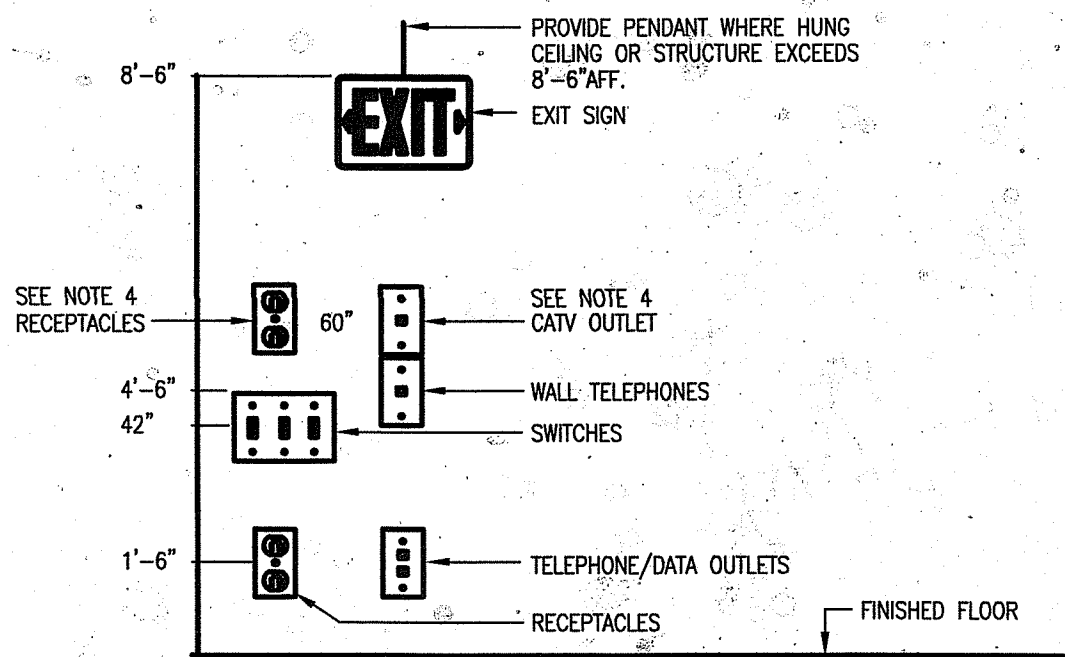
34 1/4

30
7/5/8

SYMBOL SCHEDULE		
SYMBOL	DESCRIPTION	NOTES
	BRANCH CIRCUIT WIRING IN CONDUIT WITH 3#12AWG CONDUCTORS FOR BRANCH CIRCUIT WIRING IN CONDUIT.	
	BRANCH CIRCUIT CONDUIT HOMERUN TO PANEL. LETTER INDICATES PANEL DESIGNATION; NUMBERS INDICATE CIRCUIT NUMBERS.	
	FLUORESCENT LIGHT FIXTURE. LETTER INDICATES FIXTURE TYPE.	
	DUPLEX RECEPTACLE, GROUNDING TYPE, 20 AMP, 125 VOLT, 3 WIRE. COLOR OF DEVICE BY ARCHITECT. PROVIDE DEVICE WITH COLOR TRIANGLE OR DOT FOR EMERGENCY CIRCUIT. (TYPICAL FOR DEVICES).	HUBBELL #5362 SERIES
	DUPLEX RECEPTACLE, GROUNDING TYPE, 20 AMP, 125 VOLT, 3 WIRE. 'G' INDICATES GROUND FAULT INTERRUPTER. COLOR OF DEVICE BY ARCHITECT.	HUBBELL #5362 SERIES
	DOUBLE DUPLEX RECEPTACLE OUTLET, GROUNDING TYPE, 20 AMP, 125 VOLT, 3 WIRE. COORDINATE WITH ARCHITECT ELEVATION DRAWINGS FOR EQUIPMENT.	HUBBELL #5362 SERIES
	DUPLEX RECEPTACLE, GROUNDING TYPE, 20 AMP, 125 VOLT, 3 WIRE. MOUNTED ABOVE COUNTER +44" AFF UNLESS OTHERWISE NOTED.	HUBBELL #5362 SERIES
	SPECIAL PURPOSE RECEPTACLE. REFER TO PLAN NOTES FOR REQUIREMENTS.	
	JUNCTION BOX, MOUNTING HEIGHT AND SIZE AS REQUIRED OR AS NOTED ON PLANS.	
	BRANCH CIRCUIT PANEL	REFER TO SPECIFICATIONS
	CONDUIT AND WIRE TAG	
	SWITCH, SINGLE POLE, 20 AMP, 120/277 VOLT.	HUBBELL #1221 SERIES
	SWITCH, THREE-WAY, 20AMP, 120/277 VOLT. m FOR MANUAL SWITCH.	HUBBELL #1221 SERIES
	SWITCH, FLUORESCENT DIMMER, 120 VOLT SIZE AS REQUIRED. LOWER CASE LETTER INDICATES CONTROL OF LIGHTING FIXTURES.	HUBBELL #AS SERIES
	WALL SWITCH OCCUPANCY SENSOR DUAL TECHNOLOGY, 2 INDICATES DUAL CONTROLS	WATTSTOPPER
	CEILING MOUNTED OCCUPANCY SENSOR DUAL TECHNOLOGY	HUBBELL
	BUTTON	
	BELL/BUZZER	
	PULL STATION	
	HORN/STROBE	
	STROBE	
	DUCT SMOKE DETECTOR	
	SMOKE DETECTOR	
	TAMPER SWITCH	
	FLOW SWITCH	
	REMOTE TEST SWITCH	
	FIRE ALARM CONTROL PANEL	
	FIRE ALARM ANNUNCIATOR PANEL	
	PLAN OR DIAGRAM NOTES	
	COMMUNICATION BACKBOARD WITH DOUBLE DUPLEX RECEPTACLE	
	MOTOR	
1. COORDINATE WITH ARCHITECT AND INDICATE MOUNTING HEIGHTS OF DEVICES. 2. COORDINATE WITH APPROVED FIRE ALARM DRAWINGS BY OTHERS.		

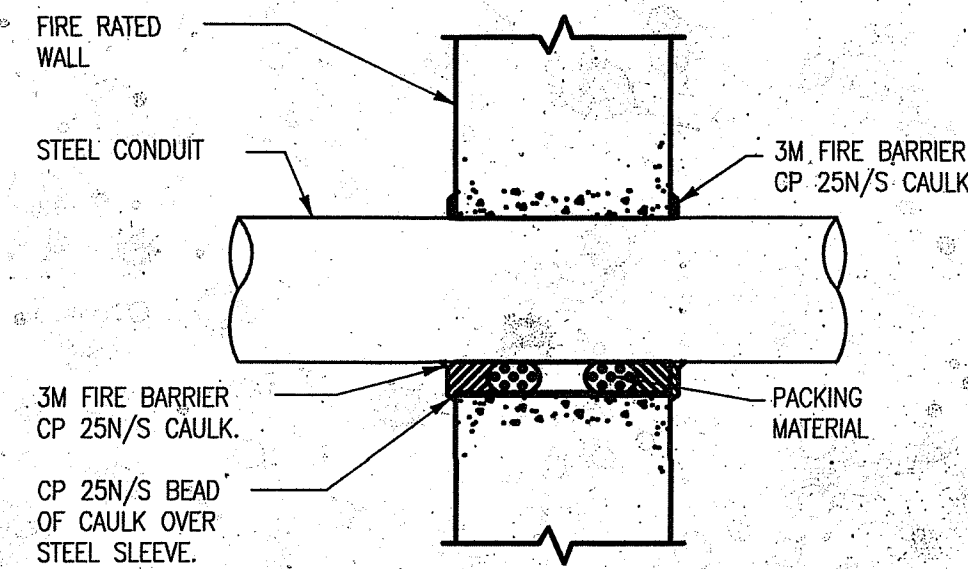
ABBREVIATIONS SCHEDULE

A	AMPERES
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
AWG	AMERICAN WIRE GAUGE
ATS	AUTOMATIC TRANSFER SWITCH
BC	BELOW COUNTER
BKR	BREAKER
C	CONDUIT
CAT	CATALOG
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CL	CENTERLINE
CLF	CURRENT LIMITING FUSE
CU	COPPER
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EM	INDICATES EMERGENCY CIRCUIT SUPPLYING EXIT SIGNS AND EGRESS LIGHTING
EMT	ELECTRICAL METALLIC TUBING
FA	FIRE ALARM
FLA	FULL LOAD AMPERES
GF	GROUND FAULT
GND,G	GROUND OR GROUNDING
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT AMPERES
KW	KILOWATTS
LTG	LIGHTING
MC	METAL CLAD CABLE
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
NTS	NOT TO SCALE
NIC	NOT IN CONTRACT
P	POLE
PNL	PANEL
POS	PROVIDED UNDER OTHER SECTIONS
PVC	POLYVINYL CHLORIDE
PWR	POWER
QTY	QUANTITY
REQ'D	REQUIRED
RCLP1	RELAY CONTROL PANEL - LP1
RMC	RIGID METAL CONDUIT
RTU	ROOF TOP UNIT
SP	SPARE
SW	SWITCH
TEL	TELEPHONE
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
UL	UNDERWRITERS LABORATORIES
V	VOLT
W	WIRE



TYPICAL DEVICE MOUNTING HEIGHTS DETAILS
N.T.S.

- NOTES:
- ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM FINISHED FLOOR TO CENTERLINE OF DEVICE EXCEPT EXIT SIGNS.
 - DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE.
 - ALL DEVICES SHALL BE INSTALLED AT MOUNTING HEIGHTS AS INDICATED ON THIS DETAIL UNLESS OTHERWISE NOTED.
 - CONFIRM FINAL MOUNTING HEIGHT TV MONITOR ARCHITECT BEFORE ROUGH-IN FOR RECEPTACLE AND CATV OUTLETS.

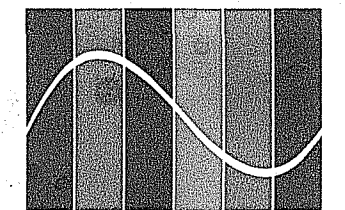


PENETRATION FIRESTOP FOR
CONDUIT THROUGH A FIRE RATED WALL

aodk



BSC PROJ #: 15079



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ARCHITECTURE OFFICE :: DAVID KEESS

PROJECT TITLE:

SPOON MARKET

PROJECT:

SPOON MARKET
148 WEST LIBERTY ST.
WOOSTER, OH

PERMIT

11.23.2015
BULLETIN #1 01.29.2016

ISSUE DATE:

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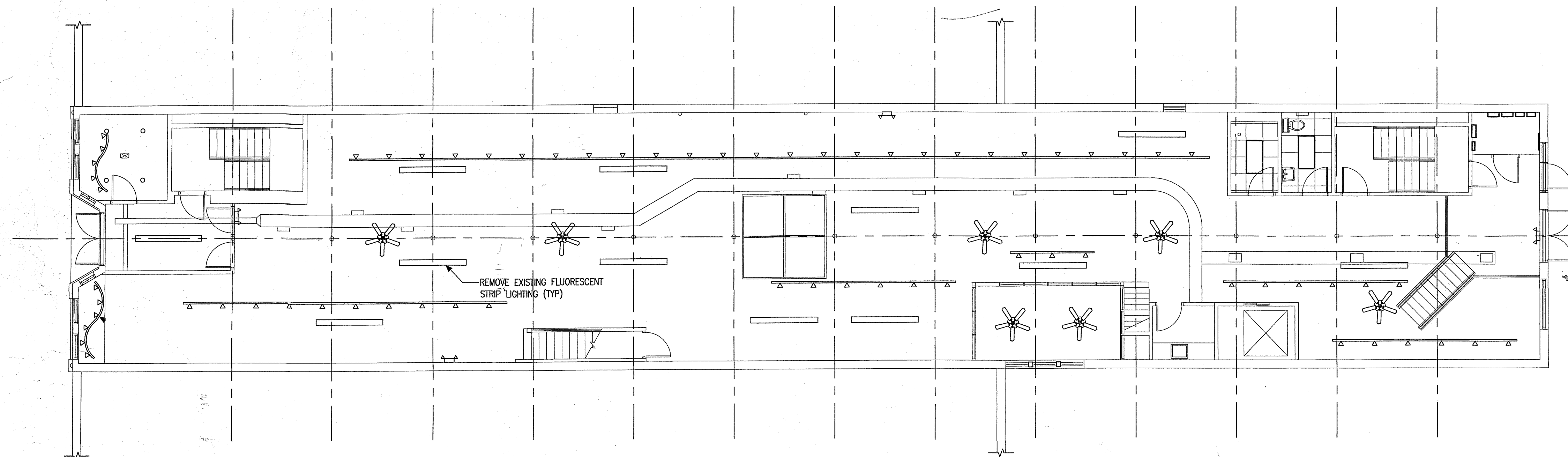
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SHEET NO:

15.23

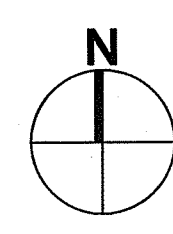
e0.1

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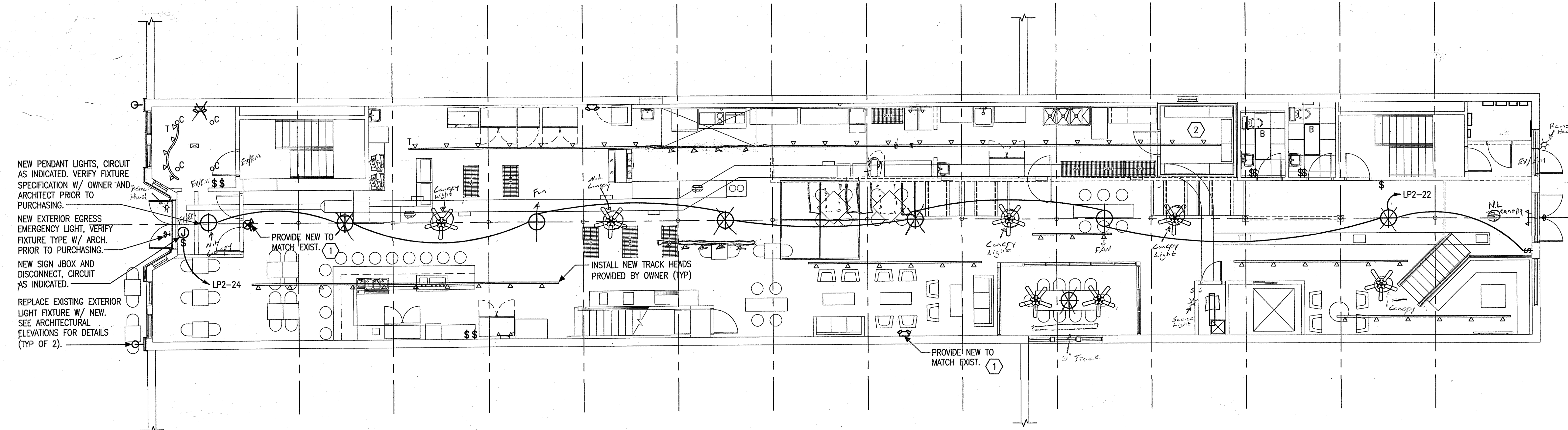


LIGHTING DEMO PLAN

1/4" = 1'-0"

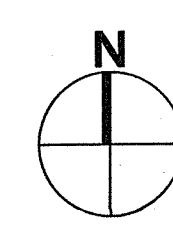


EXISTING LIGHTING, CIRCUITING AND CONTROLS TO REMAIN UNLESS NOTED OTHERWISE. RE-LAMP ALL FIXTURES.



LIGHTING PLAN

1/4" = 1'-0"



KEYED NOTE SCHEDULE

1. PROVIDE UNSWITCHED "HOT" LEG FOR CONNECTION TO EMERGENCY BATTERY
2. COORDINATE MOUNTING OF COOLER LIGHT FIXTURE WITH COOLER INSTALLER, SEE E1.2.

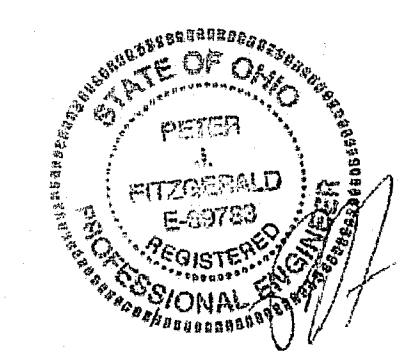
GENERAL LIGHTING NOTES

- A. ALL LIGHTING FIXTURE LOCATIONS INDICATED ON THIS DRAWING SHALL BE SUPERSEDED BY THE ARCHITECTURAL REFLECTED CEILING PLAN FOR THE AREA. ELECTRICAL CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF LIGHTING FIXTURES.
- B. ALL WALL MOUNTED LIGHTING FIXTURE LOCATIONS INDICATED ON THIS DRAWING SHALL HAVE THE MOUNTING HEIGHTS VERIFIED WITH THE ARCHITECT BEFORE ROUGH-IN.
- C. EMERGENCY LIGHTING BATTERY PACKS AND THE EXIT SIGNS SHALL BE WIRED FROM THE NORMAL LIGHTING CIRCUIT IN THE ROOM WHICH THEY SERVE, AHEAD OF ALL SWITCHING CONTROLS ON THAT CIRCUIT.

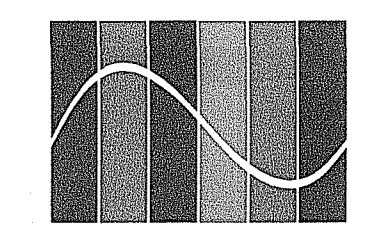
GENERAL PLAN NOTES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, AND ALL LOCAL ORDINANCES.
2. SEE DRAWING E0.1 FOR SYMBOL LEGEND.
3. SEE ELECTRICAL PANEL SCHEDULE ON DRAWING E2.0.
4. SEE SPECIFICATIONS ON DRAWING E2.1 & E2.2.

a°dk



BSC PROJ #: 15079



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ARCHITECTURE OFFICE: DAVID REEDS

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PROJECT TITLE: SPOON MARKET

PROJECT TITLE:

PROJECT:

SPOON MARKET
148 WEST LIBERTY ST.
WOOSTER, OH

PERMIT

11.23.2015
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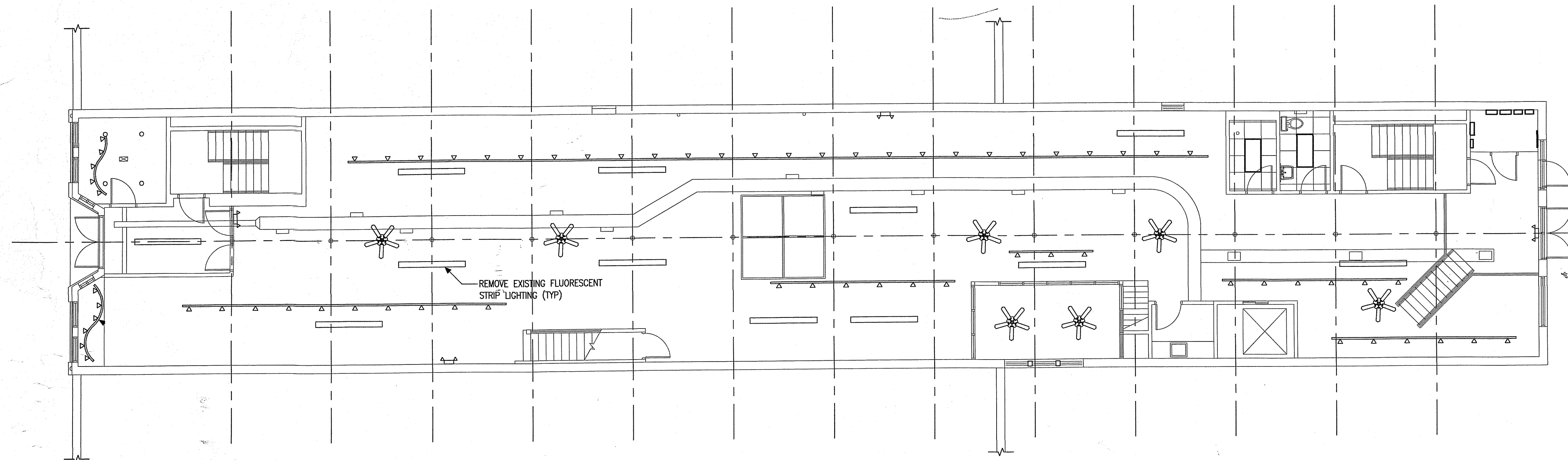
JOB NO:

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SHEET TITLE:

SHEET NO:

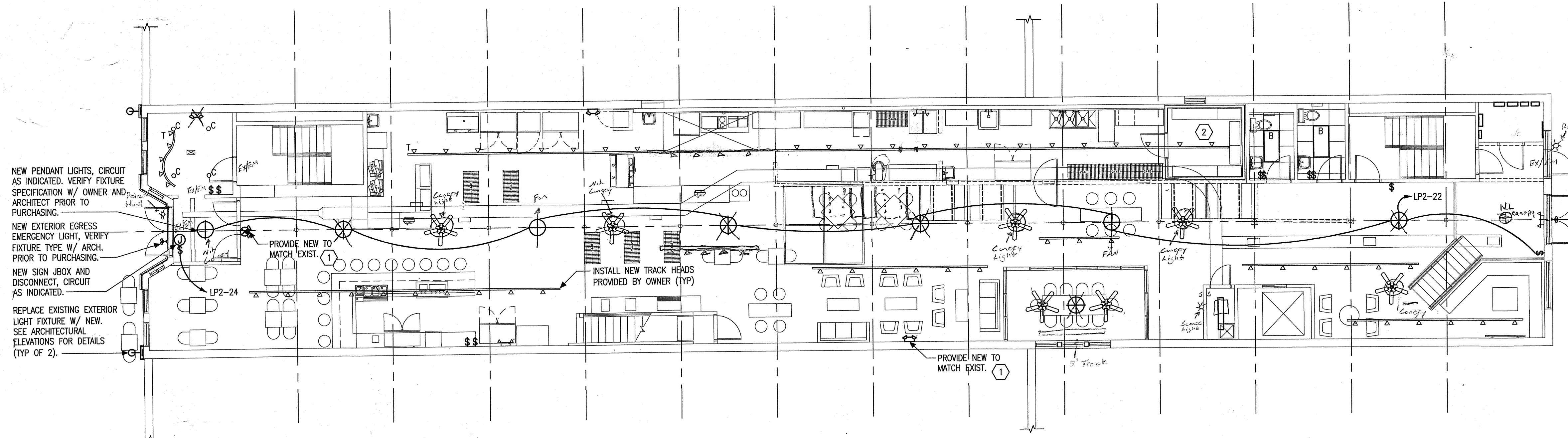
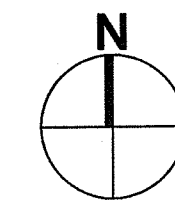
e1.1



LIGHTING DEMO PLAN

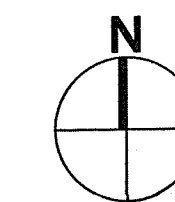
1/4" = 1'-0"

EXISTING LIGHTING, CIRCUITING AND CONTROLS TO REMAIN UNLESS NOTED OTHERWISE. RE-LAMP ALL FIXTURES.



LIGHTING PLAN

1/4" = 1'-0"



KEYED NOTE SCHEDULE

1. PROVIDE UNSWITCHED "HOT" LEG FOR CONNECTION TO EMERGENCY BATTERY
2. COORDINATE MOUNTING OF COOLER LIGHT FIXTURE WITH COOLER INSTALLER, SEE E1.2.

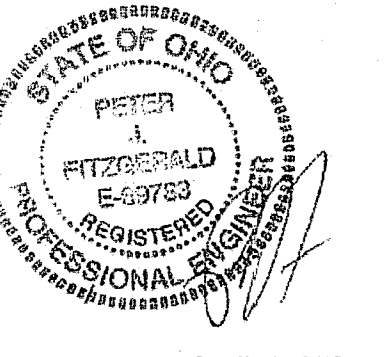
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- B. ALL WALL MOUNTED LIGHTING FIXTURE LOCATIONS INDICATED ON THIS DRAWING SHALL HAVE THE MOUNTING HEIGHTS VERIFIED WITH THE ARCHITECT BEFORE ROUGH-IN.
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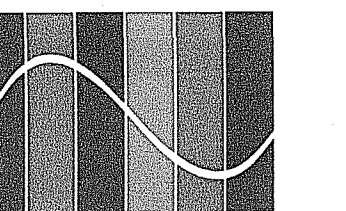
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2. SEE DRAWING E0.1 FOR SYMBOL LEGEND.
3. SEE ELECTRICAL PANEL SCHEDULE ON DRAWING E2.0.
4. SEE SPECIFICATIONS ON DRAWING E2.1 & E2.2

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SPOON MARKET

PROJECT TITLE:

PROJECT:

SPOON MARKET
148 WEST LIBERTY ST.
WOOSTER, OH

PERMIT 11.23.2015
BULLETIN #1 01.29.2016

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AUTHORIZATION:

JOB NO:

15.23

SHEET TITLE:

SHEET NO:

e1.1

NO.	NAME	VOLTS	#	AMPS	PANEL	WIRE/CONDUIT	CONNECTION	NOTES
1.1	ELECTRIC SLICER #1	120	1	7.0	LP-2	20/1 (20A2W)	NEMA 5-15	2,4
1.2	ELECTRIC SLICER #2	120	1	7.0	LP-4	20/1 (20A2W)	NEMA 5-15	2,4
2	HEAT WRAP	120	1	5.0	LP-8	20/1 (20A2W)	NEMA 5-15	2,4
5	OPEN AIR CASE	120	1	10.4	LP2-1	20/1 (20A2W)	NEMA 5-15	2,4
6	TWO SECTION REACH-IN REFRIGERATOR	120	1	9.1	LP2-3	20/1 (20A2W)	NEMA 5-15	2,4
7a	PANINI PRESS	120	1	16	LP-12	20/1 (20A2W)	NEMA 5-15	2,4,8
7b	PANINI PRESS	120	1	16	LP-12	20/1 (20A2W)	NEMA 5-15	2,4,8
8	SINGLE SECTION REACH-IN FREEZER	120	1	9.5	LP2-5	15/1 (20A2W)	NEMA 5-15	2,4
9	TWO SECTION REACH-IN FREEZER	120	1	9.5	LP2-7	15/1 (20A2W)	NEMA 5-15	2,4
10	COKE COOLER	120	1	5.2	LP2-9	20/1 (20A2W)	NEMA 5-15	2,4
15	48" ICE MAKER	120	1	5.2	LP-5	15/1 (20A2W)	NEMA 5-15	2,4
17	20" PROOFER	120	1	14.0	LP-1	20/1 (20A2W)	NEMA 5-15	2,4
18	20" PROOFER	120	1	14.0	LP-3	20/1 (20A2W)	NEMA 5-15	2,4
19	ELECTRIC CONVECTION OVEN	208	3	53	LP-14,16	70/2 (70A3W)		2,7,8
26	DISHWASHING MACHINE	208			LP-33,35,37			2,7
29	POS	120	1		(SEE PLAN)	20/1 (20A2W)	NEMA 5-15	1,2,3,4
30.1	48" DELI COOLER #1	120	1	6.0	LP2-11	20/1 (20A2W)	NEMA 5-15	2,4
30.2	48" DELI COOLER #2	120	1	6.0	LP2-13	20/1 (20A2W)	NEMA 5-15	2,4
31	48" BAKERY DISPLAY	120	1	6.0	LP2-2	20/1 (20A2W)	NEMA 5-15	2,4
32	BEER DISPLAY COOLER	120	1	5.2	LP2-4	20/1 (20A2W)	NEMA 5-15	2,4
33	72" DELI COOLER	120	1	6.0	LP3-6	20/1 (20A2W)	NEMA 5-15	2,4

NO.	NAME	VOLTS	#	AMPS	PANEL	WIRE/CONDUIT	CONNECTION	NOTES
37	MIXER	120	1	16	LP-6	20/1 (20A2W)	NEMA 5-15	
40	TWO SECTION REACH-IN COOLER	120	1	9.5	LP2-8	15/1 (20A2W)	NEMA 5-15	2,4
44	KEG COOLER	120	1	9.5	LP2-10	15/1 (20A2W)	NEMA 5-15	2,4
45	ICE MACHINE	120	1	5.2	LP-7	15/1 (20A2W)	NEMA 5-15	2,4
47	BEER DISPLAY COOLER	120	1	5.2	LP2-12	20/1 (20A2W)	NEMA 5-15	2,4
50	BLENDER	120	1	5.2	LP-17	20/1 (20A2W)	NEMA 5-15	2,4
51	TWO SECTION REACH-IN COOLER	120	1	9.5	LP2-14	15/1 (20A2W)	NEMA 5-15	2,4
52	COFFEE BREWER	120	1	12	LP-9	20/1 (20A2W)		2,4
53	SODA DISPENSER	120	1	10.2	LP-13	20/1 (20A2W)	NEMA 5-15	2,4
54	TEA BREWER	120	1	14	LP-15	20/1 (20A2W)	NEMA 5-15	2,4
57	KITCHEN HOOD (SEE E2.0 AND DETAIL 3)							
60.1	WALK-IN COOLER CONDENSOR	208	3	14	LP-32,34,36	20/3 (20A3W)		2,4
60.2	WALK-IN COOLER FAN	120	1	10	LP-28	20/1 (20A2W)		2,7
60.3	WALK-IN COOLER LTG/POWER	120	1	4	LP-30	20/1 (20A2W)	NEMA 5-15	2,4

NOTES:

1. PROVIDE ISOLATED GROUND FOR POS LOCATIONS.
2. VERIFY MOUNTING HEIGHT OF EQUIPMENT RECEPT/BOX WITH ARCHITECTURAL ELEVATIONS AND MILLWORK DRAWINGS.
3. PROVIDE ALL CAT 5E CABLEING. VERIFY TERMINATIONS AND PORTS WITH OWNERS IT REPRESENTATIVE.
4. COORDINATE INSTALLATION OF CORD AND PLUG WITH OWNER AND SUPPLIER. CONFIRM EQUIPMENT CONNECTION BEFORE ROUGH-IN.
5. BLENDER STATION COMES W/ INTEGRAL RECEPTACLE, CIRCUIT AS INDICATED.
6. SEE PANEL SCHEDULES FOR ELECTRICAL CONNECTION. E.C. SHALL PROVIDE STARTER AS REQUIRED.
7. PROVIDE NEMA TYPE 4X (STAINLESS STEEL) DISCONNECT SWITCH.
8. PROVIDE SHUNT TRIP BREAKER FOR EQUIPMENT LOCATED BELOW THE HOOD WITH THE FIRE PROTECTION SYSTEM.

REFER TO KITCHEN EQUIPMENT AND ARCHITECT DRAWINGS FOR EXACT LOCATIONS, MOUNTING HEIGHTS, DETAILS AND ADDITIONAL ELECTRICAL REQUIREMENTS.

Hood Unit
1-3/4" > 3/4" Above Wall
2-1/2" > 3/4" Above Wall

GENERAL NOTES

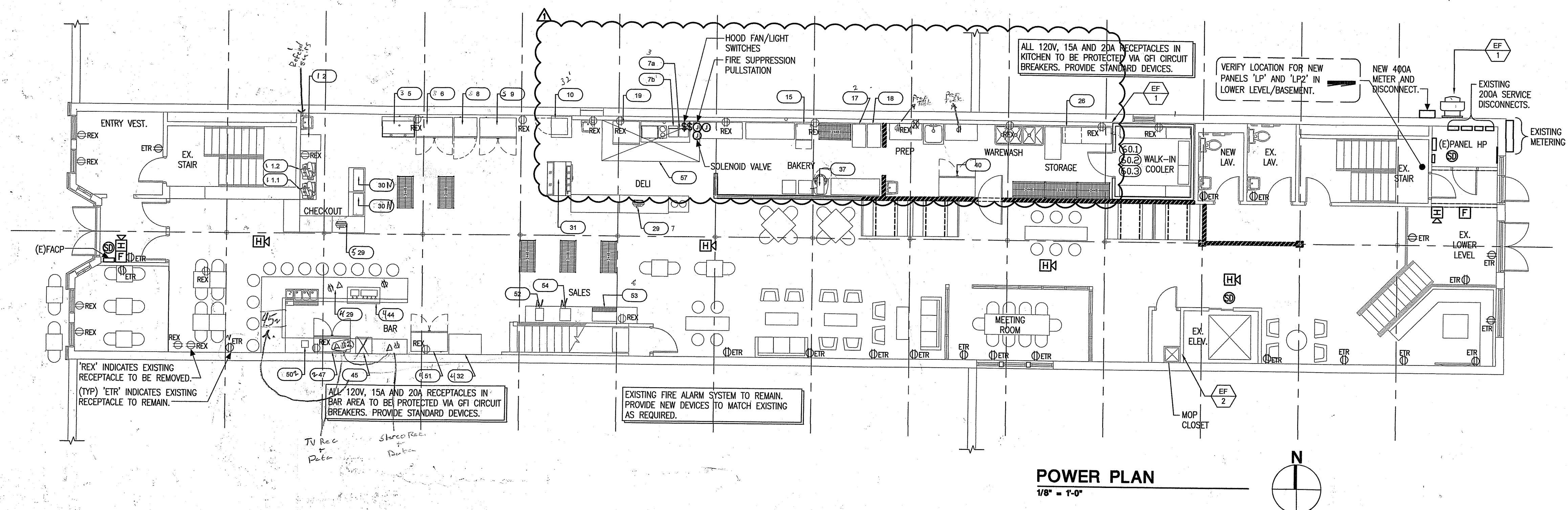
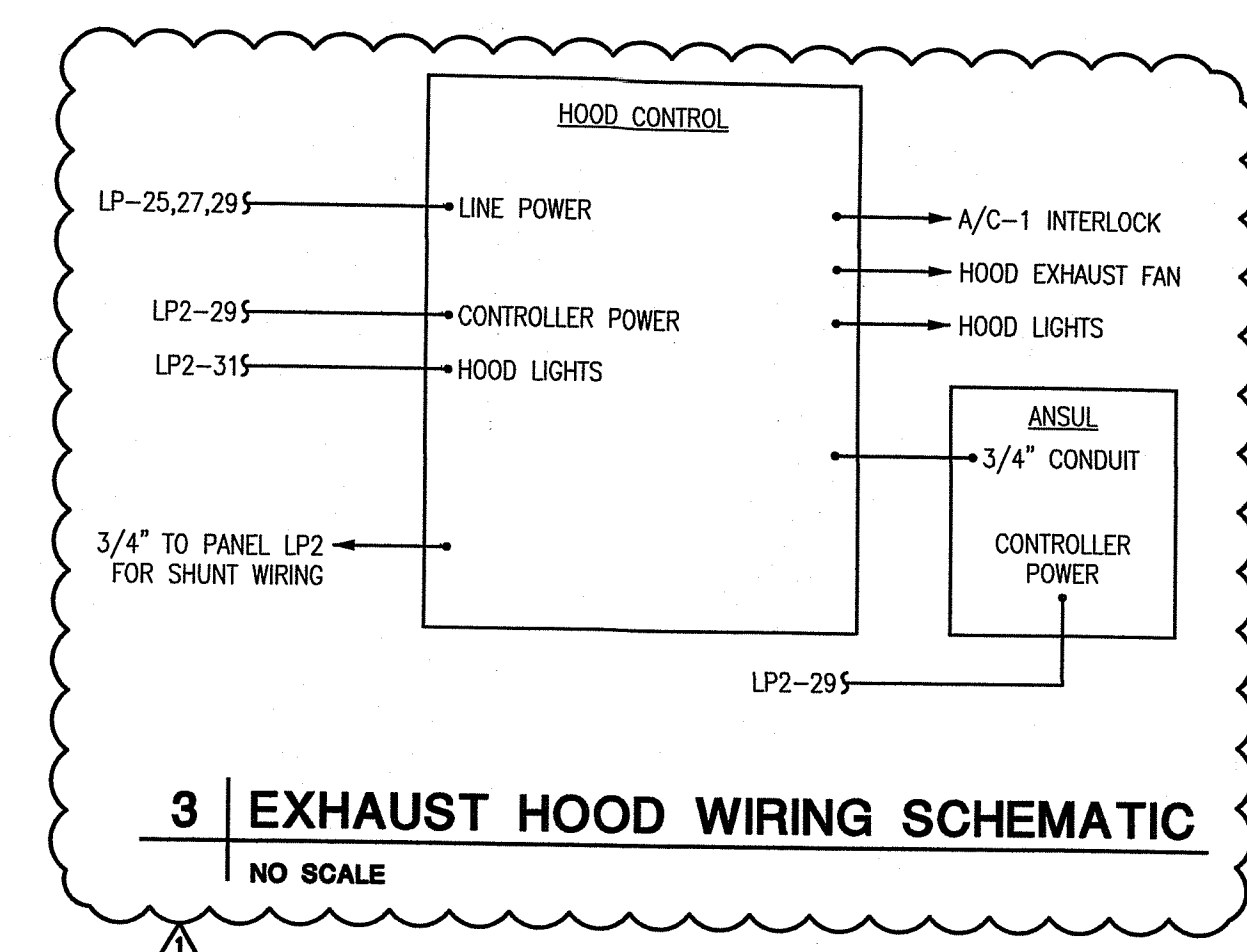
1. VERIFY AND COORDINATE OUTLETS DEVICES EXACT LOCATIONS, MOUNTING HEIGHTS & MOUNTING VERTICAL OR HORIZONTAL MOUNTING OUTLET BOX WITH THE MILLWORK & ARCHITECTURAL ELEVATION DRAWINGS.
2. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, AND ALL LOCAL ORDINANCES.
3. SEE DRAWINGS E0.1 FOR SYMBOL LEGEND & FIXTURE SCHEDULE.
4. SEE PANEL SCHEDULES ON DRAWING E2.0.
5. SEE MECHANICAL SCHEDULE THIS DRAWING & KITCHEN EQUIPMENT SCHEDULE DRAWING E2.0.
6. SEE SPECIFICATIONS ON DRAWINGS E2.1 & E2.2.

KITCHEN GENERAL NOTES

1. THE ROUTING OF ALL SURFACE MOUNTED CONDUIT SHALL BE COORDINATED WITH, AND SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
2. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH THE KITCHEN CONTRACTOR. FINAL ELECTRICAL REQUIREMENTS SHALL BE VERIFIED IN THE FIELD WITH THE EQUIPMENT'S NAMEPLATE DATA. THE CONTRACTOR SHALL MAKE APPROPRIATE ADJUSTMENTS TO WIRE AND CIRCUIT PROTECTION IN ACCORDANCE WITH THE NAMEPLATE DATA.
3. REFER TO KITCHEN EQUIPMENT WIRING SCHEDULE FOR ELECTRICAL REQUIREMENTS ON THIS SHEET. REFER TO KITCHEN EQUIPMENT DRAWINGS FOR EXACT LOCATIONS AND REQUIREMENTS.
4. THE DISCONNECTING MEANS FOR ALL MOTORS AND EQUIPMENT SHALL BE INSTALLED IN A "READY ACCESSIBLE" LOCATION AND SHALL HAVE PROPER WORKING SPACE AS DEFINED IN N.E.C.

GENERAL POWER NOTES

1. CONDUCT FIELD SURVEY OF EXISTING CONDITIONS PRIOR TO SUBMISSION OF BID AND START OF WORK. NO ADDITIONAL PAYMENTS WILL BE MADE ON CLAIMS THAT ARISE FROM LACK OF KNOWLEDGE OF EXISTING CONDITIONS.



adk

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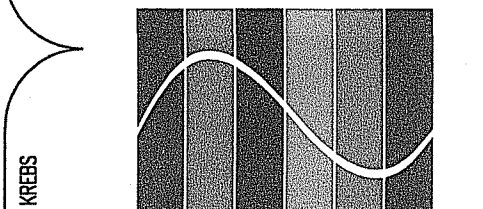
SPOON MARKET

PROJECT TITLE: SPOON MARKET
PROJECT: 148 WEST LIBERTY ST. WOOSTER, OH
PERMIT: 11.23.2015
BULLETIN #1: 01.29.2016

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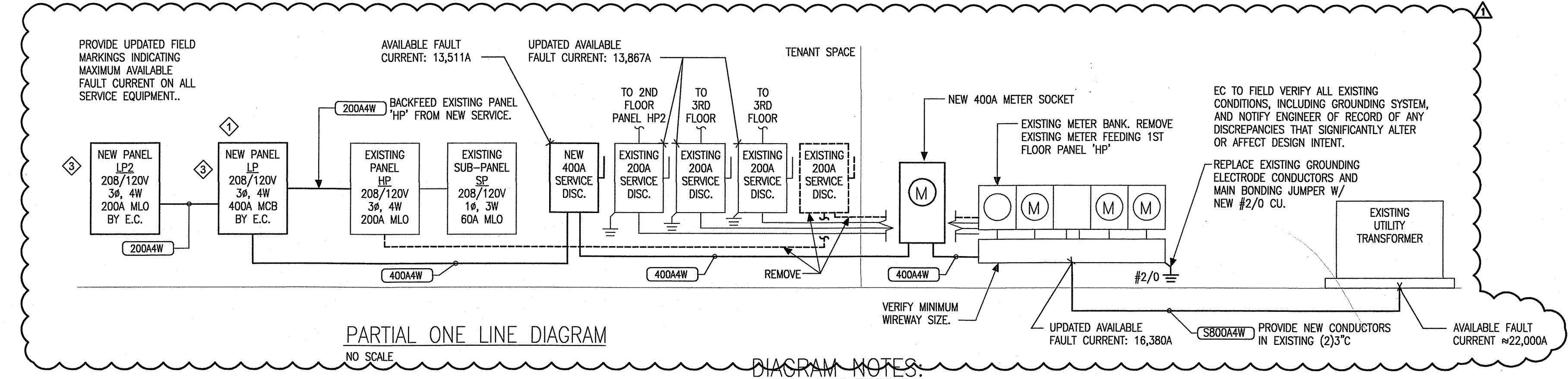
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GENERAL NOTES


- REFER TO POWER PLAN FOR PANEL LOCATIONS.
- SEE PANEL SCHEDULES THIS DRAWING.
- REFER TO POWER PLAN FOR PANEL LOCATIONS DRAWING E1.1.
- THE GROUNDING ELECTRODE CONDUCTORS SHALL BE SIZED PER TABLE 250-66 OF THE NEC.
- E.C. SHALL VERIFY IN FIELD FOR ROUTING NEW CONDUIT FROM ELECTRICAL ROOM TO TENANT BEFORE BIDDING.

EQUIPMENT WIRING SCHEDULE													
		VFD VARIABLE FREQUENCY DRIVE				CP CONTROL PANEL		FUSED SWITCH		COMBINATION STARTER		DISCONNECT SWITCH	
		HP		KW		MCA		FLA		VOLTS		PH	
ITEM NO.	EQUIPMENT	HP	KW	MCA	FLA	VOLTS	PH	DEVICE BY EC	DEVICE BY MC	PNL-CKT.NO.	CIRC BKR AMPS	POLES	BRANCH CKT WIRING & CONDUIT
EF-1	EXHAUST FAN	1 HP	-	-	-	208	3	☑	☐	LP-25,27,29	15	3	20A3W
EF-2	EXHAUST FAN	FRAC.	-	-	-	120	1	☐	☐	LP-22	20	1	20A2W

EQUIPMENT WIRING SCHEDULE NOTES

- EC SHALL COORDINATE ALL EQUIPMENT REQUIREMENTS WITH THE ACTUAL EQUIPMENT BEING INSTALLED, AND WITH THE MC PRIOR TO ROUGH-IN.
- UNIT PROVIDED WITH DISCONNECT

PANEL: LP				MAIN: 400A MAIN CIRCUIT BREAKER			BUS AMPS: 400			
VOLTAGE: 120/208				PHASE: 3		WIRE: 4				
MOUNTING: SURFACE		LOCATION: LOWER LEVEL/BASEMENT		AIC RATING: 42,000 RMS.						
CKT	BKR	LOAD DESCRIPTION	KVA	A#	B#	C#	KVA	LOAD DESCRIPTION	BKR	CKT
1	20/1	PROOFER (#17)	1.7	2.5			0.8	SLICER (#1.1)	20/1	2
3	20/1	PROOFER (#18)	1.7		2.5		0.8	SLICER (#1.2)	20/1	4
5	15/1	ICE MACHINE (#15)	1.4			3.2	1.8	MIXER (#37)	20/1	6
7	15/1	ICE MACHINE (#45)	1.4	2.0			0.6	HEAT WRAP (#2)	20/1	8
9	20/1	COFFEE BREWER (#52)	1.5		1.5		0.0	SPARE	20/1	10
11		SPACE	0.0			0.0	0.0	SPARE	20/1	12
13	20/1	SODA DISPENSER (#53)	1.2	1.2			0.0	SPARE	20/1	14
15	20/1	TEA BREWER (#54)	1.8		1.8		0.0	SPARE	20/1	16
17	20/1	BLENDER (#50)	0.6			0.6	0.0	SPARE	20/1	18
19	20/1	SPARE	0.0	0.0			0.0	SPARE	20/1	20
21	20/1	SPARE	0.0		0.1		0.1	EF-2	20/1	22
23	20/1	SPARE	0.0			0.0	0.0	SPARE	20/1	24
25	15/3	EF-1	0.6	0.6			0.0	SPARE	20/1	26
27			0.6		1.8		1.2	WALK-IN COOLER FAN	20/1	28
29			0.6			1.1	0.5	WALK-IN COOLER PWR	20/1	30
31	20/3	DISHWASHER	5.0	6.2			1.2	WALK-IN COOLER	20/3	32
33			5.0		6.2		1.2			34
35			5.0			6.2	1.2			36
37	200/3	PANEL HP	0.0	6.0			6.0	PANEL LP2	200/3	38
39			0.0		3.4		3.4			40
41			0.0			3.1	3.1			42
TOTAL KVA PER PHASE:				18.5	17.3	14.2	TOTAL KVA:		50.0	
								TOTAL AMPS:		138.8
<div><div></div> INDICATES HANDLE LOCK</div>										

PANEL: LP2				MAIN: MAIN LUGS ONLY			BUS AMPS: 200			
VOLTAGE: 120/208		PHASE: 3		WIRE: 4						
MOUNTING: SURFACE		LOCATION: LOWER LEVEL/BASEMENT		AIC RATING: 42,000 RMS.						
CKT	BKR	LOAD DESCRIPTION	KVA	A#	B#	C#	KVA	LOAD DESCRIPTION	BKR	CKT
1	20/1	OPEN AIR CASE (#5)	1.3	2.0			0.7	BAKERY DISPLAY (#31)	20/1	2
3	20/1	REACH-IN REFRIGERATOR (#6)	1.1		1.7		0.6	BEER DISPLAY COOLER (#32)	20/1	4
5	20/1	REACH-IN FREEZER (#8)	1.1			1.8	0.7	DELI COOLER (#33)	20/1	6
7	20/1	REACH-IN FREEZER (#9)	1.1	2.2			1.1	REACH-IN COOLER (#40)	20/1	8
9	20/1	COKE COOLER (#10)	0.6		1.7		1.1	KEG COOLER (#44)	20/1	10
11	20/1	DELI COOLER (#30.1)	0.7			1.3	0.6	BEER DISPLAY COOLER (#47)	20/1	12
13	20/1	DELI COOLER (#30.2)	0.7	1.8			1.1	REACH-IN COOLER (#51)	20/1	14
15	70/2	OVEN (#19)	5.5		5.5		0.0	SPARE	20/1	16
17			5.5			5.5	0.0	SPARE	20/1	18
19		SHUNT TRIP	0.0	0.0			0.0	SPARE	20/1	20
21	20/1	PANINI PRESS (#7a)	1.7		2.5		0.8	PENDANT LIGHTING	20/1	22
23		SHUNT TRIP	0.0			1.2	1.2	SIGN	20/1	24
25	20/1	PANINI PRESS (#7b)	1.7	1.7			0.0	SPARE	20/1	26
27		SHUNT TRIP	0.0		0.0		0.0	SPARE	20/1	28
29	20/1	HOOD CONTROLLER	0.2			0.2	0.0	SPARE	20/1	30
31	20/1	HOOD LIGHTS	0.2	0.2			0.0	SPARE	20/1	32
33	20/1	SPARE	0.0		0.0		0.0	SPARE	20/1	34
35	20/1	SPARE	0.0			0.0	0.0	SPARE	20/1	36
37	20/1	SPARE	0.0	0.0			0.0	SPARE	20/1	38
39	20/1	SPARE	0.0		0.0		0.0	SPARE	20/1	40
41	20/1	SPARE	0.0			0.0	0.0	SPARE	20/1	42
TOTAL KVA PER PHASE:				7.9	11.4	10.0	TOTAL KVA:		29.3	
								TOTAL AMPS:		81.3
 INDICATES HANDLE LOCK										

SERVICE SUMMARY						
PANEL	LIGHTING	RECEPTACLE	MOTOR	HVAC	KITCHEN	MISC.
LP	-	-	-	6.6	37.8	-
LP2	-	-	-	1.8	12.5	-
HP	7.5	5.0	-	27	5.0	5.6
HP2	5.0	5.4	31.9	27	-	5.6
3RD FLOOR RESEDENTIAL	EXISTING DEMAND LOAD, PER EXISTING DRAWINGS - 34KW					
3RD FLOOR RESEDENTIAL	EXISTING DEMAND LOAD, PER EXISTING DRAWINGS - 35KW					
TOTAL	12.5	10.4	31.9	62.4	55.3	11.2
LOAD	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD	NOTES		
LIGHTING	12.5	125%	15.6	RECEPTACLE: FIRST 10.0 KVA @ 100% + REMAINDER @ 50% MOTOR: PLUS ADDITIONAL 25% OF LARGEST MOTOR.		
RECEPTACLE	10.4	SEE NOTES	10.2			
MOTOR	31.9	SEE NOTES	39.9			
HVAC	62.4	100%	62.4			
KITCHEN	55.3	65%	35.9			
MISC.	11.2	100%	11.2			
EXISTING	69	100%	69			
TOTAL	263.6		244.2			
				DEMAND LOAD:		677.8
				SERVICE SIZE:		800 AMPS

120 VOLT 1 PH CIRCUITS		
TAG	AMPS/POLES	CONDUIT AND WIRE
20A2W	20A-1P	2-12AWG & 1-12AWG GND. - 3/4"
30A2W	30A-1P	2-10AWG & 1-10AWG GND. - 3/4"
208 VOLT 1 PH CIRCUITS		
TAG	AMPS/POLES	CONDUIT AND WIRE
20A2W	20A-2P	2-12AWG & 1-12AWG GND. - 3/4"
30A2W	30A-2P	2-10AWG & 1-10AWG GND. - 1"
40A2W	40A-2P	2-8AWG & 1-10AWG GND. - 1"
45A2W	45A-2P	2-8AWG & 1-10AWG GND. - 1"
60A2W	60A-2P	2-6AWG & 1-10AWG GND. - 1"
70A2W	70A-2P	2-6AWG & 1-8AWG GND. - 1"
80A2W	80A-2P	2-6AWG & 1-6AWG GND. - 1"
480 OR 208 VOLT 3 PH CIRCUITS		
TAG	AMPS/POLES	CONDUIT AND WIRE
20A3W	20A-3P	3-12AWG & 1-12AWG GND. - 3/4"
25A3W	25A-3P	3-10AWG & 1-10AWG GND. - 3/4"
25A4W	25A-3P	4-10AWG & 1-10AWG GND. - 3/4"
30A3W	30A-3P	3-10AWG & 1-10AWG GND. - 3/4"
35A3W	35A-3P	3-8AWG & 1-10AWG GND. - 1"
40A3W	40A-3P	3-8AWG & 1-10AWG GND. - 1"
40A4W	40A-3P	4-8AWG & 1-10AWG GND. - 1"
45A3W	45A-3P	3-8AWG & 1-10AWG GND. - 1"
50A3W	50A-3P	3-8AWG & 1-10AWG GND. - 1"
60A3W	60A-3P	3-6AWG & 1-10AWG GND. - 1"
60A4W	60A-3P	4-6AWG & 1-10AWG GND. - 1"
100A4W	100A-3P	4-1AWG & 1-8AWG GND. - 1-1/2"
200A4W	200A-3P	4-3/0AWG & 1-6AWG GND. - 2"
225A4W	225A-3P	4-4/0AWG & 1-4AWG GND. - 2-1/2"
400A4W	400A-3P	4-500KCMIL & 1-3AWG GND. - 4"

COPPER SERVICE CONDUCTORS
(S800A4W) 800A-3P 2 SETS OF 4 #500KCMIL, EXISTING 3" PVC.

ELECTRICAL SPECIFICATIONS

SECTION 16010 – GENERAL REQUIREMENTS

1.1 GENERAL

- A. THE ARCHITECTURAL, CIVIL, STRUCTURAL, MECHANICAL, KITCHEN, SOUND, SECURITY AND ANY EQUIPMENT AND SPECIFICATIONS ARE HEREBY INCORPORATED INTO AND BECOME A PART OF THE ELECTRICAL CONTRACT DOCUMENTS. THIS CONTRACTOR SHALL EXAMINE ALL SUCH DRAWINGS AND SPECIFICATIONS AND BECOME FAMILIAR WITH PROVISIONS CONTAINED THEREIN.
- B. IT IS THE PURPOSE OF THE ELECTRICAL DRAWINGS TO INDICATE THE APPROXIMATE LOCATIONS OF ALL EQUIPMENT, OUTLETS, FIXTURES, ETC. ASCERTAIN EXACT LOCATIONS AND ARRANGE WORK ACCORDINGLY. THE FINAL LOCATIONS ARE SUBJECT TO REASONABLE CHANGE BY THE ARCHITECT OR OWNER PRIOR TO ROUGH-IN AT NO ADDITIONAL COST. DIMENSIONS GIVEN ON THE PLANS SHALL BE VERIFIED IN THE FIELD. DRAWINGS SHALL NOT BE SCALED TO OBTAIN EXACT DIMENSIONS.
- C. THE DRAWINGS SHOW DIAGRAMMATICALLY THE LOCATIONS OF THE VARIOUS ELECTRICAL DEVICES, EQUIPMENT, FIXTURES, AND THE METHOD OF CONNECTING AND CONTROLLING THEM; THEY ARE NOT INTENDED TO SHOW EVERY CONNECTION IN DETAIL, NOR ALL FITTINGS REQUIRED FOR A COMPLETE SYSTEM. MATERIAL OR LABOR WHICH IS NOT SHOWN ON THE DRAWINGS OR INCLUDED IN THE SPECIFICATIONS BUT IS NECESSARY TO COMPLETE THE WORK, SHALL BE PROVIDED.
- D. THE DRAWINGS, AS PREPARED, ARE DIAGRAMMATIC, BUT SHALL BE FOLLOWED AS CLOSELY AS ACTUAL OPERATION OF BUILDING AND WORK OF OTHER TRADES WILL PERMIT. ALL CHANGES FROM THESE DRAWINGS, NECESSARY TO MAKE THE WORK CONFORM TO THE BUILDING AS CONSTRUCTED, AND TO FIT THE WORK OF OTHER TRADES OR TO CONFORM TO THE RULES AND REGULATIONS OF THE STATE, MUNICIPAL AND LOCAL BODIES HAVING JURISDICTION, SHALL BE MADE BY THIS CONTRACTOR, AT HIS OWN EXPENSE.
- E. ALL BIDDERS ARE REQUIRED TO VISIT THE SITE OF WORK AND BECOME FAMILIAR WITH THE CONDITIONS AFFECTING INSTALLATION. SUBMISSION OF A PROPOSAL SHALL PRESUPPOSE KNOWLEDGE OF SUCH CONDITIONS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED WHERE EXTRA LABOR OR MATERIALS ARE REQUIRED BECAUSE OF IGNORANCE OF THESE CONDITIONS.
- F. IT IS THE INTENT OF THESE SPECIFICATIONS THAT EQUIPMENT SPECIFIED AS AN EXTENSION TO OR AN INTERFACE WITH AN EXISTING SYSTEM BE COMPLETELY COMPATIBLE WITH THE EXISTING SYSTEM. THE CONTRACTOR SHALL DETERMINE CHARACTERISTICS OF THE EXISTING SYSTEMS AND COORDINATE WITH SUPPLIERS OF NEW EQUIPMENT TO PROVIDE COMPLETE AND PROPERLY OPERATING SYSTEMS.

1.2 WORK INCLUDED

- A. ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATING ELECTRICAL INSTALLATION.
- B. ALL PERMITS AND INSPECTIONS REQUIRED FOR ELECTRICAL WORK
- C. TEMPORARY ELECTRICAL SERVICE, LIGHTING AND WIRING FOR CONSTRUCTION.
- D. CONCRETE WHERE REQUIRED FOR ELECTRICAL WORK
- E. SAW CUTTING,TRENCHING AND BACKFILL AS REQUIRED FOR ELECTRICAL WORK.
- F. CUTTING, PATCHING AND FIREPROOFING WHERE REQUIRED FOR ELECTRICAL WORK.
- G. PANELBOARDS AND STARTERS.
- H. FEEDER AND BRANCH CIRCUIT WIRING.
- I. LOW-VOLTAGE LIGHTING CONTROL SYSTEMS. (NOT REQUIRED).
- J. GROUNDING SYSTEM
- K. LIGHTING FIXTURES AND LAMPS.
- L. ALL LIGHTING FIXTURES, HANGERS, SUPPORTS, LAMPS AND CONTROL DEVICES INSTALLED AND CONNECTED IN COMPLETE WORKING ORDER.
- M. EMERGENCY LIGHTING SYSTEM AND EXIT SIGNS
- N. RECEPTACLE OUTLETS, DISCONNECT SWITCHES AND EQUIPMENT CONNECTIONS
- O. OUTLET BOXES, EMPTY CONDUITS AND PLYWOOD BACKBOARDS FOR MOUNTING TELEPHONE, CATV AND DATA CABLING.
- P. FIRE ALARM SYSTEM DEVICES.

1.3 MATERIALS NOT PROVIDED BY THIS CONTRACTOR, BUT SUBJECT TO HIS WIRING

- A. MOTORS AND MOTOR CONTROLS PROVIDED BY OTHER CONTRACTORS UNDER OTHER SECTIONS OF SPECIFICATIONS
- B. UNLESS OTHERWISE INDICATED ON THE DRAWINGS, THE MECHANICAL CONTRACTOR PROVIDES TEMPERATURE CONTROL COMPONENTS AND ALL RELATED CONDUIT AND WIRING.

1.4 REQUIREMENTS OF REGULATORY AGENCIES

- A. ALL WORK SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF ALL APPLICABLE FEDERAL, STATE, LOCAL AND REGIONAL CODES, RULES, REGULATIONS, AND STANDARDS, INCLUDING THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AS INTERPRETED BY THE LOCAL INSPECTION DEPARTMENT
- B. SECURE AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED FOR ELECTRICAL WORK AND GIVE THE PROPER AUTHORITIES NOTICES AS REQUIRED BY LAW. COMPLY WITH REGULATIONS REGARDING TEMPORARY ENCLOSURES, OBSTRUCTIONS, EXCAVATIONS, AND PAY FOR ALL LEGAL FEES INVOLVED.
- C. COPIES OF ALL INSPECTION REPORTS SHALL BE MADE AVAILABLE TO THE ARCHITECT ON REQUEST. THE ELECTRICAL CONTRACTOR SHALL FURNISH TO THE ARCHITECT THREE (3) COPIES OF THE APPROVED FINAL INSPECTION REPORT BEFORE REQUEST FOR FINAL PAYMENT.
- D. ALL CONDITIONS AND REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) SHALL BE FOLLOWED THROUGHOUT THE CONSTRUCTION OF THIS PROJECT. THIS PROJECT, WHEN COMPLETE, SHALL MEET OR EXCEED THE CONDITIONS AND REQUIREMENTS FOR SAFETY AS ESTABLISHED BY THE OCCUPATIONAL SAFETY AND HEALTH ACT.

1.5 SUBMITTALS

- A. SUBMIT DRAWINGS, CATALOG SHEETS AND/OR WIRING DIAGRAMS FOR THE FOLLOWING EQUIPMENT AND SYSTEMS AS SPECIFIED IN DIVISION 1.
1. LIGHTING FIXTURES AND LAMPS.
 2. PANELBOARDS.
 3. WIRING DEVICES AND COVER PLATES. COORDINATE COLOR WITH OWNER AND ARCHITECT.
 4. STARTERS AND DISCONNECT SWITCHES.
 5. EXIT SIGNS & EMERGENCY LIGHT UNITS.
- B. THE SUBMITTALS WILL BE REVIEWED BY THE ENGINEER FOR GENERAL COMPLIANCE WITH CONTRACT DOCUMENTS ONLY, AND NOT FOR DIMENSIONS, QUANTITIES, ETC.
- C. THE SUBMITTALS RETURNED MARKED "NO EXCEPTION TAKEN" OR "MAKE CORRECTIONS NOTED" SHALL BE USED FOR PROCUREMENT; HOWEVER, THE RESPONSIBILITY FOR CORRECT PROCUREMENT REMAINS SOLELY WITH THE CONTRACTOR. ANY SUBMITTALS RETURNED MARKED "REVISE AND RESUBMIT" OR "REJECTED" OR "SUBMIT SPECIFIED ITEM" SHOULD BE RESUBMITTED AS NOTED.
- D. DISPOSITION OF SUBMITTALS SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR DEVIATIONS FROM DRAWINGS OR SPECIFICATIONS, UNLESS HE HAS SUBMITTED IN WRITING A LETTER ITEMIZING OR CALLING ATTENTION TO SUCH DEVIATIONS AT TIME OF SUBMISSION AND SECURED WRITTEN APPROVAL FROM THE ARCHITECT, NOR SHALL SUCH DISPOSITION OF SUBMITTALS RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR ERRORS IN SUBMITTALS.

1.6 SUBSTITUTIONS

- A. THESE SPECIFICATIONS SHALL ESTABLISH THE QUALITY AND STANDARD FOR MATERIALS AND EQUIPMENT TO BE FURNISHED. ITEMS SPECIFIED BY MANUFACTURER, TRADE NAME, OR CATALOG NUMBER SHALL BE FURNISHED AS SPECIFIED.
- B. WHERE MORE THAN ONE MANUFACTURER IS SPECIFIED FOR AN ITEM OR SYSTEM, THE CONTRACTOR MAY FURNISH ANY ITEM OR SYSTEM SPECIFIED.
- C. WHERE THE EQUIPMENT OF ONE MANUFACTURE IS SPECIFIED AND OTHER MANUFACTURERS ARE LISTED AS "ALTERNATE MANUFACTURERS", THE CONTRACTOR MAY FURNISH THE EQUIPMENT OF THE SPECIFIED MANUFACTURE OR OF ANY OF THE LISTED ALTERNATE MANUFACTURES. HOWEVER, THE DRAWINGS ARE BASED ON THE EQUIPMENT OF THE SPECIFIED MANUFACTURER ONLY. IF THE CONTRACTOR ELECTS TO FURNISH EQUIPMENT OF AN ALTERNATE MANUFACTURE, ANY CHANGES TO THE WORK SHOWN ON THE DRAWINGS REQUIRED ACCOMMODATING VARIATIONS OF THE ALTERNATE EQUIPMENT IN DIMENSIONS, CHARACTERISTIC, ACCESS, ETC. FROM THE SPECIFIED EQUIPMENT INCLUDING WORK OF OTHER CONTRACTORS SHALL BE INCLUDED IN THIS CONTRACTOR'S BID.

1.7 AS-BUILT DRAWINGS

- A. PROVIDE AS-BUILT DRAWINGS ON MEDIA REQUIRED BY ARCHITECT. AS WORK PROGRESSES, RECORD ANY DEVIATION FROM CONTRACT DRAWINGS. NOTATIONS SHALL BE NEAT AND LEGIBLE WITH ANY ADDITIONAL EXPLANATORY DRAWINGS OR SKETCHES NECESSARY.

1.8 TEMPORARY LIGHTING AND WIRING

- A. PROVIDE TEMPORARY ELECTRICAL SERVICE, CONVENIENCE OUTLETS, LIGHTING AND POWER AS REQUIRED FOR USE OF ALL TRADES DURING CONSTRUCTION.

1.9 GUARANTEE

- A. GUARANTEE ALL WORKMANSHIP AND MATERIALS FURNISHED UNDER THE CONTRACT FOR ONE YEAR AFTER ACCEPTANCE BY OWNER.REPAIR OR REPLACE ANY DEFECT DURING THE GUARANTEE PERIOD, WITHOUT COST TO OWNER.

1.10 MATERIALS AND EQUIPMENT

- A. ALL EQUIPMENT AND MATERIAL SHALL BE NEW, OF CURRENT MANUFACTURE AND MEET OR EXCEED STANDARDS SPECIFIED BY UL, NEMA, ANSI, AND IEEE WHEREVER SUCH STANDARDS HAVE BEEN ESTABLISHED AND SHALL BEAR THE UNDERWRITER'S LABORATORIES LABEL. ALL MATERIALS SUPPLIED OF ONE TYPE OR OF ONE SYSTEM SHALL BE BY THE SAME MANUFACTURER.
- B. EQUIPMENT AND MATERIAL SHALL BE PROTECTED BY AND BE THE RESPONSIBILITY OF CONTRACTOR UNTIL FORMALLY ACCEPTED BY THE OWNER.
- 1.11 SUPPORTING DEVICES
- A. PROVIDE ALL HARDWARE, SUPPORTS, HANGERS, ANGLE IRON, CHANNELS, RODS, CLAMPS, ETC., FOR INSTALLATION OF ELECTRICAL EQUIPMENT AND LIGHT FIXTURES AS REQUIRED TO SUIT CONDITIONS AND APPLICATION. ALL SUPPORTING DEVICES SHALL BE GALVANIZED OR CADMIUM PLATED STEEL OR OTHER SUITABLY CORROSION-RESISTANT MATERIAL.
- B. SUPPORTING DEVICES SHALL INCLUDE:
1. INDIVIDUAL STEEL RING OR CLEVIS TYPE HANGERS.
 2. MALLEABLE IRON C-CLAMP AND RETAINING CLIPS FOR ATTACHMENT TO STEEL BEAMS.
 3. RING AND TURNBUCKLE ATTACHMENT FOR STEEL PIPE.
 4. TRAPEZE HANGERS WITH CLAMPS AND HANGER
 5. CONCRETE INSERTS RATED PER LOAD FOR ATTACHMENT TO CONCRETE.

1.12 WORKMANSHIP

- A. JOURNEYMAN ELECTRICIANS UNDER THE DIRECT SUPERVISION OF A COMPETENT FOREMAN SHALL INSTALL ELECTRICAL WORK. WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BEST PRACTICES OF THE TRADE.

1.13 EQUIPMENT CONNECTIONS

- A. SERVE AND CONNECT ELECTRICAL EQUIPMENT FURNISHED BY OTHERS AS SCHEDULED ON DRAWINGS. COORDINATE ALL OUTLET LOCATIONS AND CONNECTION REQUIREMENTS WITH THE CONTRACTOR FURNISHING THE EQUIPMENT. BEFORE CONNECTING ANY PIECE OF EQUIPMENT, CHECK THE NAMEPLATE RATING AGAINST THE INFORMATION SHOWN ON THE DRAWINGS AND CALL ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT. CAREFULLY STUDY ALL EQUIPMENT MANUFACTURER'S WIRING DIAGRAMS AND MAKE CONNECTIONS ACCORDINGLY.

1.14 CUTTING AND PATCHING

- A. AVOID CUTTING AND PATCHING OF NEW CONSTRUCTION BY USING SLEEVES, INSERTS, AND CHASES AS REQUIRED. OPENINGS FOR THE PASSAGE OF DUCTS AND CONDUITS THROUGH WALLS AND FLOORS, CHASES, ETC., IN NEW CONSTRUCTION WILL BE PROVIDED BY THE GENERAL CONTRACTOR. THIS CONTRACTOR SHALL GIVE THE GENERAL CONTRACTOR COMPLETE INFORMATION AS TO THE EXACT SIZE AND LOCATION OF SUCH OPENINGS AT THE PROPER TIME.
- B. PROVIDE ALL CUTTING AND PATCHING REQUIRED FOR INSTALLATION OF ELECTRICAL WORK IN EXISTING CONSTRUCTION. STRUCTURAL MEMBERS SHALL NOT BE CUT UNLESS APPROVED BY ARCHITECT.

1.15 TESTS AND INSPECTIONS

- A. TEST ALL CIRCUITS EQUIPMENT AND SYSTEMS SPECIFIED FOR GROUNDS, SHORTS AND PROPER PHASING BEFORE ENERGIZING. TEST ALL DEVICES, EQUIPMENT AND LIGHT FIXTURES FOR PROPER FUNCTIONING.
- B. CONDUCT ANY TESTS REQUIRED BY CODE, LISTING AGENCY, MANUFACTURER, INSPECTOR, BUILDING DEPARTMENT, FIRE DEPARTMENT OR ANY OTHER AUTHORITY HAVING JURISDICTION.
- C. THE CONTRACTOR SHALL CONDUCT TESTS OF THE SYSTEM IN THE PRESENCE OF THE ARCHITECT/ENGINEER OR HIS AGENT. THE CONTRACTOR SHALL TURN OVER SYSTEM WIRING DIAGRAMS AND MAINTENANCE DATA TO THE ARCHITECT/ENGINEER.
- 1.16 FIELD QUALITY CONTROL AND COORDINATION
- A. CONSULT PLANS, FIELD LAYOUTS AND SHOP DRAWINGS COVERING WORK OF THE VARIOUS OTHER TRADES AND PLAN LAYOUT OF ELECTRICAL WORK ACCORDINGLY.
- B. KEEP FULLY INFORMED OF THE PROGRESS OF THE GENERAL CONSTRUCTION, AND INSTALL WORK THAT IS TO BE CONCEALED WITHIN THE BUILDING CONSTRUCTION IN SUFFICIENT TIME TO SECURE PROPER LOCATION WITHOUT DELAY TO WORK OF OTHER TRADES.
- C. ALL CONDUIT AND OUTLET BOXES CONCEALED IN MASONRY CONSTRUCTION SHALL BE INSTALLED DURING WALL CONSTRUCTION. OUTLET BOXES SHALL LINE UP WITH EITHER TOP OR BOTTOM OF MASONRY COURSES. ATTEND THE ELECTRICAL WORK DURING PROGRESS OF BUILDING-IN TO PREVENT MISALIGNMENT.
- D. EXAMINE WORK OF OTHER TRADES WHERE THEIR WORK COMES IN CONTACT WITH OR IS COVERED BY ELECTRICAL WORK. DO NOT ATTACH TO, COVER UP, OR FINISH AGAINST ANY DEFECTIVE WORK OR INSTALL ELECTRICAL WORK IN A MANNER, WHICH WILL PREVENT PROPER INSTALLATION OF THE WORK OF OTHER TRADES.
- E. TAKE ALL FIELD MEASUREMENTS NECESSARY AND ASSUME RESPONSIBILITY FOR THEIR ACCURACY
- F. BEFORE INSTALLING ANY WORK, SEE THAT IT DOES NOT INTERFERE WITH ARCHITECTURAL, STRUCTURAL AND MECHANICAL WORK. REPORT ANY INTERFERENCE BETWEEN THIS WORK AND THAT OF ANY OTHER CONTRACTOR TO THE ARCHITECT AS SOON AS THEY ARE DISCOVERED.

1.17 EQUIPMENT INSTALLATION AND SUPPORT

- A. ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S AND U.L. LABELING INSTRUCTIONS.
- B. ALL ELECTRICAL WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING AND REPAIRING.
- C. ELECTRICAL WORK SHALL BE SUPPORTED FROM BUILDING STRUCTURAL ELEMENTS ONLY, AND NOT FROM BUILDING SUB-SYSTEMS SUCH AS MECHANICAL DUCTS OR PIPES OR ROOF DECK

SECTION 16100 – BASIC METHODS AND MATERIALS

1.1 CONDUITS

- A. CONDUITS SHALL BE:
1. RIGID OR INTERMEDIATE GRADE GALVANIZED STEEL CONDUIT IN WET LOCATIONS, CONCRETE, AND EXPOSED LOCATIONS SUBJECT TO DAMAGE.
 2. GALVANIZED STEEL ELECTRICAL METALLIC TUBING IN DRY LOCATIONS, INTERIOR PARTITIONS, AND CEILING SPACE.
 3. FLEXIBLE METAL CONDUIT FOR FINAL CONNECTIONS TO TRANSFORMERS, MOTORS AND EQUIPMENT. LIQUIDTIGHT FLEXIBLE METAL CONDUIT IN WET AND DAMP LOCATIONS.
 4. FLEXIBLE METALLIC TUBING FROM OUTLET BOX TO RECESSED LIGHT FIXTURES IN SUSPENDED CEILINGS – SIT FOOT MAXIMUM LENGTH.
 5. SCHEDULE 40 PVC RIGID NON-METALLIC CONDUIT BURIED BELOW GROUND FLOOR SLAB AND FOR EXTERIOR UNDERGROUND.
- B. RACEWAYS SHALL BE SIZED IN ACCORDANCE WITH N.E.C. TABLES OR AS NOTED ON DRAWINGS, WHICHEVER IS LARGER. MINIMUM CONDUIT SIZE SHALL BE ONE HALF INCH.
- C. CONDUIT FITTINGS FOR RIGID CONDUIT SHALL BE THREADED CAST FERROUS ALLYOT WITH GASKETS AND COVERS WHERE REQUIRED. CONDUIT FITTINGS FOR EMT SHALL BE SET SCREW OR COMPRESSION TYPE. LOCKNUTS SHALL BE OF THE BONDING TYPE THAT BITES INTO THE METAL OF THE BOX. BUSHINGS SHALL BE OF THE INSULATING TYPE.
- D. METAL CONDUITS SHALL BE COUPLED AND SECURED TO ALL BOXES IN A MANNER THAT PROVIDES AN ELECTRICALLY CONTINUOUS GROUND PATH FROM POINT OF SERVICE TO ALL OUTLETS.
- E. RIGID CONDUITS SHALL BE TERMINATED IN SHEET STEEL WITH DOUBLE

- F. LOCKNUTS AND AN INSULATING BUSHING. EMPTY CONDUITS STUBBED SHALL BETHREADED AND CAPPED.

- G. NYLON PULL LINE SHALL BE INSTALLED IN ALL EMPTY CONDUITS.

- H. CONDUIT ROUTING INDICATED ON THE DRAWINGS IS DIAGRAMMATIC ONLY AND IS NOT NECESSARILY THE INTENDED ACTUAL CONDUIT RUN. CONTRACTOR SHALL CHECK AND BE RESPONSIBLE FOR THE ACTUAL INSTALLATION WITH REGARD TO AVAILABLE SPACE AND SHALL COOPERATE WITH OTHER TRADES.

- I. ALL CONDUITS SHALL BE SIZED AND INSTALLED SO THAT THE REQUIRED NUMBER OF CONDUCTORS MAY BE PULLED IN WITHOUT INJURY OR STRAIN.

- J. CONDUIT RUNS SHALL BE LOCATED TO AVOID EQUIPMENT AND ACCESS TO EQUIPMENT OF OTHER TRADES.

- K. CONDUITS IN FINISHED AREAS SHALL BE RUN CONCEALED IN WALLS AND ABOVE FINISHED CEILINGS. CONDUITS MAY BE RUN EXPOSED ONLY IN MECHANICAL ROOM.

- L. EXPOSED CONDUITS, WHERE PERMITTED SHALL BE RUN WITH ALL RUNS PARALLEL TO OR AT RIGHT ANGLES TO BUILDING STRUCTURAL MEMBERS.

- M. CONDUIT SUPPORTS SHALL BE ATTACHED TO BUILDING STRUCTURAL MEMBERS ONLY, AND NOT TO ANY BUILDING SUB-SYSTEMS SUCH AS SUSPENDED CEILINGS, MECHANICAL DUCTS OR PIPES.

- N. ENDS OF EACH CONDUIT SHALL BE CAPPED WITH AN APPROVED CAP OR DISC TO PREVENT THE ENTRANCE OF FOREIGN MATERIALS DURING CONSTRUCTION.

- O. CONDUITS THAT PASS THROUGH FIRE OR SMOKE RATED WALLS, CEILINGS, OR DECKS SHALL BE INSTALLED SO AS TO MAINTAIN THE FIRE OR SMOKE RATING.

- P. EXPANSION FITTINGS SHALL BE INSTALLED AT ALL POINTS WHERE CONDUITS CROSS BUILDING EXPANSION JOINTS.

- Q. CONDUIT ENTRIES INTO BUILDING SHALL BE MADE WATERTIGHT. ALL UNDERGROUND JOINTS SHALL BE SEALED.

1.2 600 VOLT FEEDER AND BRANCH CIRCUIT CONDUCTORS

- A. FEEDER AND BRANCH CIRCUIT CONDUCTORS SHALL BE U.L. LABELED, 98% CONDUCTIVITY COPPER STAMPED AT 2 FT. INTERVALS WITH CONDUCTOR SIZE AND INSULATION TYPE.

- B. FEEDER CIRCUIT CONDUCTORS SHALL BE TYPE "THWN" OR "XHHW", 600 VOLT, STRANDED COPPER.

- C. BRANCH CIRCUIT CONDUCTORS SHALL BE TYPE "THHN/THWN", 600 VOLT, COPPER. WIRE SIZES #8 AWG AND LARGER SHALL BE STRANDED. MINIMUM WIRE SIZE SHALL BE #12 AWG OR LARGER AS REQUIRED TO LIMIT VOLTAGE DROP AT FURTHEST OUTLET TO 3%.

- D. COLOR CODE BRANCH CIRCUIT AND FEEDER CONDUCTORS AS FOLLOWS:

120/208 VOLT, 3 PHASE, 4 WIRE
PHASE A – BLACK
PHASE B – RED
PHASE C – BLUE
NEUTRAL – WHITE
GROUND – GREEN

- E. COLOR CODING SHALL BE CONTINUOUS ON INSULATION FOR #8 AWG OR SMALLER CONDUCTORS AND CONTINUOUS OR MARKED WITH COLORED TAPE AT ALL CONNECTIONS FOR CONDUCTORS LARGER THAN #8 AWG.

- F. WIRE AND CABLE SHALL BE PULLED INTO CONDUIT USING IDEAL INDUSTRIES "YELLOW 77" OR EQUAL. MECHANICAL MEANS MAY BE USED TO PULL #4 AWG AND LARGER CONDUCTORS. SIX INCHES OF FREE WIRE SHALL BE PROVIDED AT ALL OUTLETS FOR WIRING DEVICE CONNECTION.

- G. ALL MECHANICAL WIRE AND CABLE TERMINATIONS SHALL BE TIGHTENED WITH TORQUE WRENCH OR SCREWDRIVER TO MANUFACTURER'S RECOMMENDED TORQUE VALUES.

- H. JOINTS IN #10 AWG AND SMALLER WIRE SHALL BE MADE WITH 3M "SCOTCH LOCKS OR EQUIVALENT INSULATED CONNECTORS.

- I. JOINTS IN #8 AWG AND LARGER WIRE SHALL BE MADE WITH PRESSURE TYPE MECHANICAL CONNECTORS AND INSULATED WITH ELECTRICAL TAPE OR HEAT SHRINK INSULATION TO 150% OF THE INSULATING VALUE OF THE CONDUCTOR INSULATION.

- J. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO CONNECT ALL SINGLE-PHASE, (120 AND 208) (277 AND 480) VOLT LOADS TO THE 3-PHASE BUS SYSTEM IN ORDER TO BALANCE THE LOADING ON THE PHASE DISTRIBUTION.

- K. EACH 120 VOLT OR 277 VOLT BRANCH CIRCUITS SHALL BE INSTALLED WITH A DEDICATED NEUTRAL, WIRE FROM THE CIRCUIT SOURCE TO LOAD CONNECTION, UNLESS INDICATED OTHERWISE.

- 1.3 METAL CLAD CABLE (MC) SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH UNDERWRITERS LABORATORIES, INC. STANDARD FOR METAL CLAD CALBES. THE CABLE SHALL BEAR THE U.L. LABEL AND THE MANUFACTURER'S "E" NUMBER. IN ADDITION, METAL CLAD CABLE MUST MEET THE REQUIREMENTS OF THE LATEST NED, NFPA 70, ARTICLE 334, METAL CLAD CABLE. (THE USE OF MC CABLE INSTALLATION SHALL BE APPROVED BY THE OWNER.)

- A. DESCRIPTION: CLAD CABLE, CONTINUOUS SHEATH (INTERLOCKED STYLE IS NOT ACCEPTABLE BECAUSE THE OUTER ARMOR IS NOT AN APPROVED GROUNDING PATH).

- B. FEEDER CIRCUIT CONDUCTORS SHALL BE TYPE "THWN" OR "XHHW", 600 VOLT, STRANDED COPPER.

- C. INSULATION VOLTAGE RATING: 600 VOLTS.

- D. INSULATION TEMPERATURE RATING: 90 DEGREES C (DRY).

1. INSULATION MATERIAL: THERMOPLASTIC (THHN) OR EQUIVALENT.

2. ARMOR MATERIAL: GALVANIZED STEEL OR ALUMINUM OF THE CLASS A TYPE, CONTINUOUS SHEATH.

3. GROUNDING: A FULL-SIZE INSULATED GREEN CONDUCTOR MUST BE PROVIDED.

4. USE ON U.L. "MC" CONNECTORS LISTED FOR SMOOTH OR CORRUGATED CONTINUOUS SHEATH (ROMEX AND BX CONNECTORS ARE NOT ACCEPTABLE).

5. PROTECT EXPOSED CABLE FROM DAMAGE.

6. MC CABLE MAY BE USED IN LIEU OF CONDUIT AND WIRE SYSTEM FOR 20 AMP, 120 VOLT OR 277 VOLT CIRCUITING WHERE CONCEALED IN FINISHED AREAS, ABOVE CEILINGS OR UNFINISHED UTILITY SPACES.

1.4 CONDUIT BOXES

- A. OUTLET BOXES SHALL BE GALVANIZED STEEL CONSTRUCTION OF PROPER SIZE MEETING NEC REQUIREMENTS AND SUITABLE FOR THE LOCATION.

- B. PULL AND JUNCTION BOXES SHALL BE INSTALLED AT ALL POINTS REQUIRED WHETHER INDICATED ON DRAWINGS OR NOT. MINIMUM DIMENSIONS SHALL NOT BE LESS THAN NEC REQUIREMENTS. PULL AND JUNCTION BOXES SHALL BE CONSTRUCTED OF CODE GAUGE GALVANIZED STEEL AND SHALL BE PROVIDED WITH FLAT PLAIN COVERS.

- C. ALL CONDUIT BOXES SHALL BE RIGIDLY MOUNTED TO THE BUILDING STRUCTURE INDEPENDENT OF CONDUIT SYSTEM.

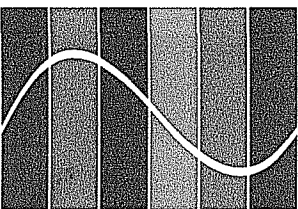
- D. DOOR SWING DIRECTIONS SHALL BE VERIFIED BEFORE INSTALLING BOXES FOR LIGHT SWITCHES.

- E. BOXES SHALL NOT BE INSTALLED BACK-TO-BACK IN WALLS. OPEN KNOCKOUTS OR HOLES IN BOXES SHALL BE PLUGGED WITH SUITABLE BLANKING DEVICES.

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1.5 WIRING DEVICES

- A. WIRING DEVICES SHALL BE AS SPECIFIED IN THE SYMBOL LEGEND ON THE DRAWINGS. ALL WIRING DEVICES SHALL BE THE PRODUCT OF A SINGLE MANUFACTURER EXCEPT WHERE SPECIFICALLY STATED OTHERWISE. COLORS SHALL BE AS SELECTED BY ARCHITECT.
- B. SWITCHES AND RECEPTACLES SHALL BE MANUFACTURED BY HUBBELL, PASS & SEYMOUR OR LEVITON
- C. COVER PLATES SHALL BE NYLON WITH COLOR TO MATCH DEVICE IN ALL AREAS AND STAINLESS OR GALVANIZED STEEL IN UNFINISHED SPACES.
- D. EACH RECEPTACLE SHALL BE TESTED FOR PROPER CONNECTION, POLARITY AND GROUNDING, WITH PLUG-IN CIRCUIT TESTER.
- E. THE INSIDE COVER OF ALL RECEPTACLE AND LIGHT SWITCH PLATES SHALL BE PERMANENTLY MARKED TO INDICATE THE PANEL AND CIRCUIT NUMBER OF THE OUTLET OR LIGHT CIRCUIT.
- F. COORDINATE COLOR OF DEVICE WITH OWNER AND ARCHITECT.

1.6 GROUNDING SYSTEM

- A. THIS CONTRACTOR SHALL PROVIDE, INSTALL AND CONNECT A COMPLETE SYSTEM OF GROUNDING FOR ALL EQUIPMENT. A GOOD MECHANICAL AND ELECTRICAL CONNECTION SHALL BE MADE WITH APPROVED GROUNDING CONNECTORS.
- B. ELECTRICAL SYSTEM AND EQUIPMENT GROUNDS SHALL COMPLY WITH ALL LOCAL, STATE AND N.E.C. CODES AND REGULATIONS. BONDING JUMPERS SHALL BE INSTALLED AT ALL LOCATIONS REQUIRED BY NEC.
- C. MAIN GROUNDING ELECTRODE SYSTEM SHALL BE SIZED TO CONFORM WITH SECTION 250, TABLE 250 - 94 OF THE NATIONAL ELECTRICAL CODE.
- D. DRIVEN GROUND RODS SHALL BE COPPERWELD TYPE. CONNECTIONS TO BURIED GROUND RODS SHALL BE CADWELD. TOPS OF ALL BURIED GROUND RODS SHALL BE A MINIMUM OF 6" BELOW GRADE. WHERE ROCK IS ENCOUNTERED, GROUNDING PLATES MAY BE USED IN LIEU OF GROUNDING RODS. GROUNDING PLATES SHALL BE COPPER WITH SIZE AS REQUIRED.
- E. ALL EXPOSED CONNECTIONS SHALL BE MADE BY MEANS OF APPROVED GROUNDING CLAMPS. EXPOSED CONNECTIONS BETWEEN DIFFERENT METALS SHALL BE SEALED WITH GRADE A NO-OXIDE PAINT. ALL BURIED CONNECTIONS SHALL BE MADE BY CADWELD PROCESS.

SECTION 16400 - SERVICE AND DISTRIBUTION

1.1 ELECTRICAL SERVICE

- A. E.C. SHALL COORDINATE WITH UTILITY CO. FOR UTILITY CO. NEW ELECTRICAL SERVICE DISCONNECT, METER SOCKET & METER TO BE PROVIDED & INSTALLED BY THE UTILITY CO. COORDINATE WITH BUILDING MANAGEMENT FOR CONTACT PERSON. VOLTAGE AT UTILITY SERVICE IS 208/120V AND THE TENANT SHALL BE 120/208 VOLT, 3 PHASE, 4 WIRE DERIVED FROM A UTILITY DISTRIBUTION SYSTEM PROVIDED & INSTALLED BY THE TENANT ELECTRICAL CONTRACTOR TO NEW PANELBOARD PROVIDE & INSTALLED BY TENANT ELECTRICAL CONTRACTOR.
- B. THIS CONTRACTOR SHALL COORDINATE INCOMING TELEPHONE & CATV SERVICES WITH THE BUILDING MANAGEMENT FOR BACKBOARD SIZE. E.C. SHALL PROVIDE BACKBOARD WITH ENAMELED PAINT ON ALL SIX SIDES TENANT TELEPHONE BOX AND CABLE BOX IF REQUIRED FOR BOTH SERVICES.

1.3 BRANCH CIRCUIT PANELBOARDS

- A. BRANCH CIRCUIT PANELBOARDS ARE DEAD FRONT CIRCUIT BREAKER TYPE, WITH VOLTAGE, AMPERAGE, MAIN CIRCUIT BREAKER OR MAIN LUGS ONLY, AS NOTED ON DRAWINGS. ALL PANELBOARDS SHALL BE PROVIDED WITH SOLID NEUTRALS AN A GROOUNDING BUS WITH LUGS.
- B. CIRCUIT BREAKERS SHALL BE THERMAL MAGNETIC, MOLDED CASE, BOLT-ON TYPE WITH QUANTITY, AMPERAGE, AND POLES AS NOTED ON THE PANEL SCHEDULES. SHORT CIRCUIT INTERRUPTING CAPACITY SHALL BE 25,000 AMPERES SYMMETRICAL MINIMUM. TWO AND THREE POLE BREAKERS SHALL BE COMMON TRIP. AUTOMATIC TRIPPING SHALL BE INDICATED BY THE OPERATING HANDLE ASSUMING A MID-POSITION BETWEEN ON AND OFF.
- C. PANELBOARDS ENCLOSURES SHALL BE GENERAL PURPOSE, SURFACE OF FLUSH MOUNTED AS NOTED ON PLANS WITH GALVANIZED BACKBOX AND PAINTED FRONT WITH LOCKABLE DOOR. A GLAZED DIRECTORY FRAME SHALL BE PROVIDED INSIDE DOOR AND SHALL BE OF SUFFICIENT SIZE TO GIVE DESCRIPTION OF EACH CIRCUIT, ALL SECTIONS OF MULTI-SECTION PANELS SHALL BE SAME SIZE.
- D. TWO KEYS SHALL BE PROVIDED WITH EACH PANEL AND ALL PANELS SHALL SCREW FASTENED
- E. HANDLE LOCK-ON DEVICES SHALL BE PROVIDED ON BRANCH CIRCUIT BREAKERS FOR EMERGENCY, EXIT, SECURITY AND NIGHT LIGHTS.
- F. BRANCH CIRCUIT PANELBOARDS SHALL BE SQUARE D, CUTLER HAMMER OR SIEMENS.

1.4 DISCONNECT SWITCHES & STARTERS

- A. ALL MOTOR DRIVEN EQUIPMENT SHALL BE PROVIDED WITH THE PROPERLY SIZED AND RATED DISCONNECT SWITCHES TO COMPLY WITH NEC REQUIREMENTS WHETHER INDICATED ON DRAWINGS OR NOT.
- B. DISCONNECT SWITCHES FOR ALL THREE PHASE MOTORS AND SINGLE PHASE MOTORS OVER 1/2 HORSEPOWER SHALL BE GENERAL DUTY, SINGLE THROW SAFETY SWITCHES. SWITCHES SHALL BE FUSIBLE OR NON-FUSIBLE, AS INDICATED ON DRAWINGS WITH AMPERAGE, POLES AND NEUTRAL, AS SHOWN ON DRAWINGS SWITCHES SHALL BE PROVIDED WITH QUICK-MAKE, QUICK-BREAK OPERATING MECHANISM, FULL COVER INTERLOCK AND INDICATOR HANDLE, PROVISIONS FOR PADLOCKING OFF, UL CLASS R REJECTION TYPE FUSE CLIPS, NEMA 1 ENCLOSURE FOR DRY LOCATIONS AND NEMA 3R ENCLOSURE.
- C. DISCONNECT SWITCHES SHALL BE SIEMENS.

1.5 EQUIPMENT IDENTIFICATION

- A. PROVIDE NEW NAMEPLATES WITH BLACK FACE AND WHITE LETTERS (MINIMUM HEIGHT 1/8" HIGH) ON ALL ELECTRICAL DISTRIBUTION AND CONTROL EQUIPMENT. LETTERING SHALL BE AS FOLLOWS: LINE 1 - NAME OF EQUIPMENT AND IDENTIFICATION NUMBER USED ON DRAWINGS; LINE 2 - AMPERAGE AND VOLTAGE RATING; LINE 3 - IDENTIFICATION OF UPSTREAM OVERCURRENT PROTECTION DEVICE.

1.6 GROUNDING SYSTEM

- A. THIS CONTRACTOR SHALL VERIFY THAT THERE IS A COMPLETE SYSTEM OF GROUNDING FOR ALL EQUIPMENT. A GOOD MECHANICAL AND ELECTRICAL CONNECTION SHALL BE MADE WITH APPROVED GROUNDING CONNECTORS.
- B. ELECTRICAL SYSTEM AND EQUIPMENT GROUNDS SHALL COMPLY WITH ALL LOCAL, STATE AND N.E.C. CODES AND REGULATIONS. BONDING JUMPERS SHALL BE INSTALLED AT ALL LOCATIONS REQUIRED BY NEC.
- C. MAIN GROUNDING ELECTRODE SYSTEM SHALL BE SIZED TO CONFORM WITH SECTION 250, TABLE 250 - 66 OF THE NATIONAL ELECTRICAL CODE.
- D. DRIVEN GROUND RODS SHALL BE COPPERWELD TYPE. CONNECTIONS TO BURIED GROUND RODS SHALL BE CADWELD. TOPS OF ALL BURIED GROUND RODS SHALL BE MINIMUM OF 6" BELOW GRADE. WHERE ROCK IS ENCOUNTERED, GROUNDING PLATES MAY BE USED IN LIEU OF GROUNDINGS RODS. GROUNDING PLATES SHALL BE COPPER WITH SIZE AS REQUIRED.
- E. ALL EXPOSED CONNECTIONS SHALL BE MADE BY MEANS OF APPROVED GROUNDING CLAMPS. EXPOSED CONNECTIONS BETWEEN DIFFERENT METALS SHALL BE SEALED WITH GRADE A NO-OXIDE PAINT. ALL BURIED CONNECTIONS SHALL BE MADE BY CADWELD PROCESS.

SECTION 16500 - LIGHTING

1.1

- A. LIGHT FIXTURES SHALL BE PROVIDED AS SPECIFIED IN THE FIXTURE SCHEDULE.
- B. LIGHT FIXTURES INSTALLED IN WET OR DAMP LOCATIONS SHALL BE UL LABELED AS SUITABLE FOR THE LOCATIONS USED.
- C. ALL LIGHT FIXTURES SHALL BE SECURELY SUPPORTED FROM BUILDING STRUCTURAL MEMBERS WITH APPROVED HANGERS AS REQUIRED. RECESSED GRID TROFFERS SHALL BE FASTENED TO CEILING T-BARS WITH APPROVED CLIPS AND T-BARS SHALL BE PROVIDED WITH WIRE HANGERS AT FOUR CORNERS OF FIXTURES. COORDINATE THIS REQUIREMENT WITH CEILING CONTRACTOR.

1.2 LAMPS

- A. INCANDESCENT A-STYLE LAMPS SHALL BE 130 VOLT, INSIDE FROSTED.
- B. HALOGEN PER LAMPS SHALL BE GERNERAL ELECTRIC "HIR" WITH TYPE AND 130 VOLT OR AS NOTED IN LIGHTING FIXTURE SCHEDULE.

- C. LINEAR FLUORESCENT LAMPS SHALL BE T8 ENERGY SAVING RAPID START, GENERAL ELECTRIC 4100K, 86 CRI, EXTENDED LIFE WITH WATTAGES AS NOTED ON PLAN.
- D. COMPACT FLUORESCENT LAMPS SHALL BE 3500K, 82 CRI, WATTAGES AS INDICATED ON PLAN.
- E. METAL HANDLE LAMPS SHALL BE HIGH PERFORMANCE, HIGH CRI, UNI-FORM, PULSE START BY VENTURE LIGHTING OR AS NOTED IN LIGHTING FIXTURE SCHEDULE.
- F. ALL FLUORESCENT LAMP GROUPINGS SHALL BE OF THE SAME MANUFACTURER THROUGHOUT THE PROJECT AND SHALL BE AS MANUFACTURED BY GENERAL ELECTRIC, OSRAM/SYLVANIA, OR PHILIPS.

1.3 BALLASTS

- A. ALL FLUORESCENT FIXTURES SALL BE FURNISHED WITH UNDERWRITERS LABORATORIES APPROVED, HIGH POWER FACTOR, ELECTRONIC PROGRAMED RAPID START, PREMIUM PERFORMANCE, TYPE "P" BALLASTS. BALLASTS SHALL BE SOUND RATED "A" OR BETTER AND SHALL BE REPLACED AT NO CHARGE IF THE NOISE LEVEL IS UNSATISFACTORY.
- B. HIGH INTENSITY DISCHARGE BALLASTS SHALL BE FUSED CONSTANT WATTAGE TYPE, HIGH POWER FACTOR VOLTAGE STABILIZED CLASS "H" INSULATION, 60 HZ. THE BALLASTS SHALL BE U.L. LISTED AT 55 DEGREES C AMBIENT FOR EXTENDED BALLAST LIFE.

1.4 INSTALLATION

- A. FURNISH AND INSTALL ALL NECESSARY HANGERS, SUPPORTS, FRAMING, FITTINGS, ETC., TO SUPPORT FIXTURES AND FIXTURE OUTLETS. ALL FIXTURE SUPPORTS SHALL BE SECURELY ANCHORED TO THE CEILING AND/OR BUILDING CONSTRUCTION AND SHALL BE CAPABLE OF SUPPORTING THE FIXTURE IN QUESTION PLUS 100% ADDITIONAL WEIGHT.
- B. WHERE INSTALLING CHAIN MOUNTED FIXTURES, THE CONTRACTOR SHALL PROVIDE ADDITIONAL SUPPORTING CHANNELS AS REQUIRED.
- C. PROVIDE THERMAL PROTECTION ON RECESSED INCANDESCENT FIXTURES WHERE REQUIRED.

1.5 EMERGENCY

- A. EGRESS EMERGENCY LIGHTING AND EXIT SIGNS SHALL BE PROVIDED WITH SELF-CONTAINED BATTERY OPERATED UNITARY EQUIPMENT. BATTERY UNITS SHALL CONTAIN A LONG-LIFE SELF-CHARGING BATTERY TRANSFER SWITCH AND SELF-DIAGNOSTICS. UNITS SHALL INCLUDE UNIT MOUNTED LIGHTING HEADS OR WHERE INDICATED, REMOTE HEADS FOR WALL OR CEILING RECESSED MOUNTING. UNITS SHALL BE 120/277 VOLT, 60 HZ. ALL EXIT AND EGRESS EMERGENCY LIGHTING SHALL PROVIDE A MINIMUM OF 90 MINUTES OF OPERATION ON POWER FAILURE. LOCATE AS SHOWN ON PLANS AND/OR AS REQUIRED BY NATIONAL, STATE AND LOCAL CODES. EMERGENCY/EXIT LIGHTING SHALL BE CIRCUITED AHEAD OF ANY SWITCHES OR LOCAL CONTROL.

SECTION 16700 - COMMUNICATION SYSTEMS

1.1 TELEPHONE DATA CABLING, AND CATV SYSTEMS

- A. PROVIDE ALL CONDUIT, BOXES, SLEEVES AND PLYWOOD BACKBOARDS REQUIRED FOR THE INSTALLATION OF TELEPHONE/DATA & CATV CABLING SYSTEMS. CABLES, JACKS, WALLPLATES, TERMINATION AND EQUIPMENT TO BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. COORDINATE WITH WITH OWNER FOR EQUIPMENT, JACKS, WIRING, COVERPLATES & TERMINATIONS. .

1.2 DOOR ENTRY & CAMERAS SECURITY SYSTEM (BY OWNER)

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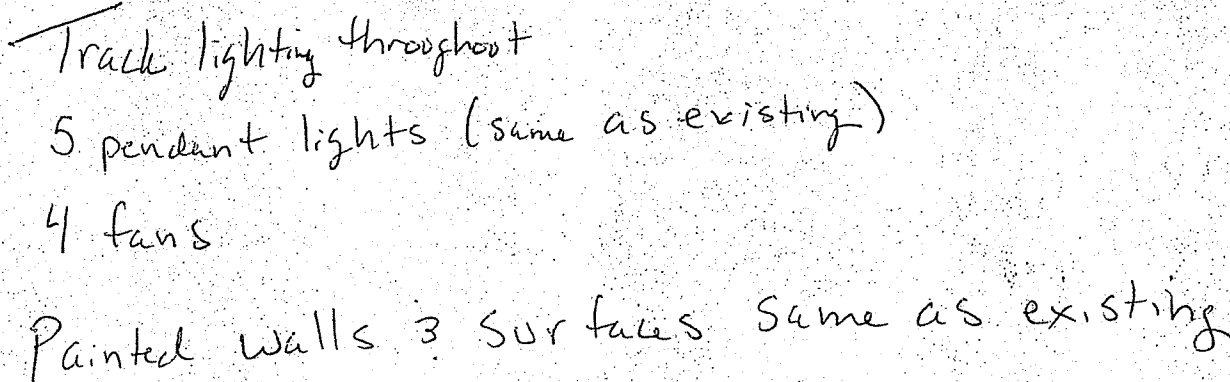
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1. VERIFY AND COORDINATE OUTLETS DEVICES EXACT LOCATIONS, MOUNTING HEIGHTS & MOUNTING VERTICAL OR HORIZONTAL MOUNTING OUTLET BOX WITH THE MILLWORK & ARCHITECTURAL ELEVATION DRAWINGS.
2. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, AND ALL LOCAL ORDINANCES.
3. SEE DRAWINGS E0.1 FOR SYMBOL LEGEND & FIXTURE SCHEDULE.
4. SEE PANEL SCHEDULE ON DRAWING E2.0.
5. SEE MECHANICAL SCHEDULE THIS DRAWING & KITCHEN EQUIPMENT SCHEDULE DRAWING E2.0.
6. SEE SPECIFICATIONS ON DRAWINGS E2.1 & E2.2.

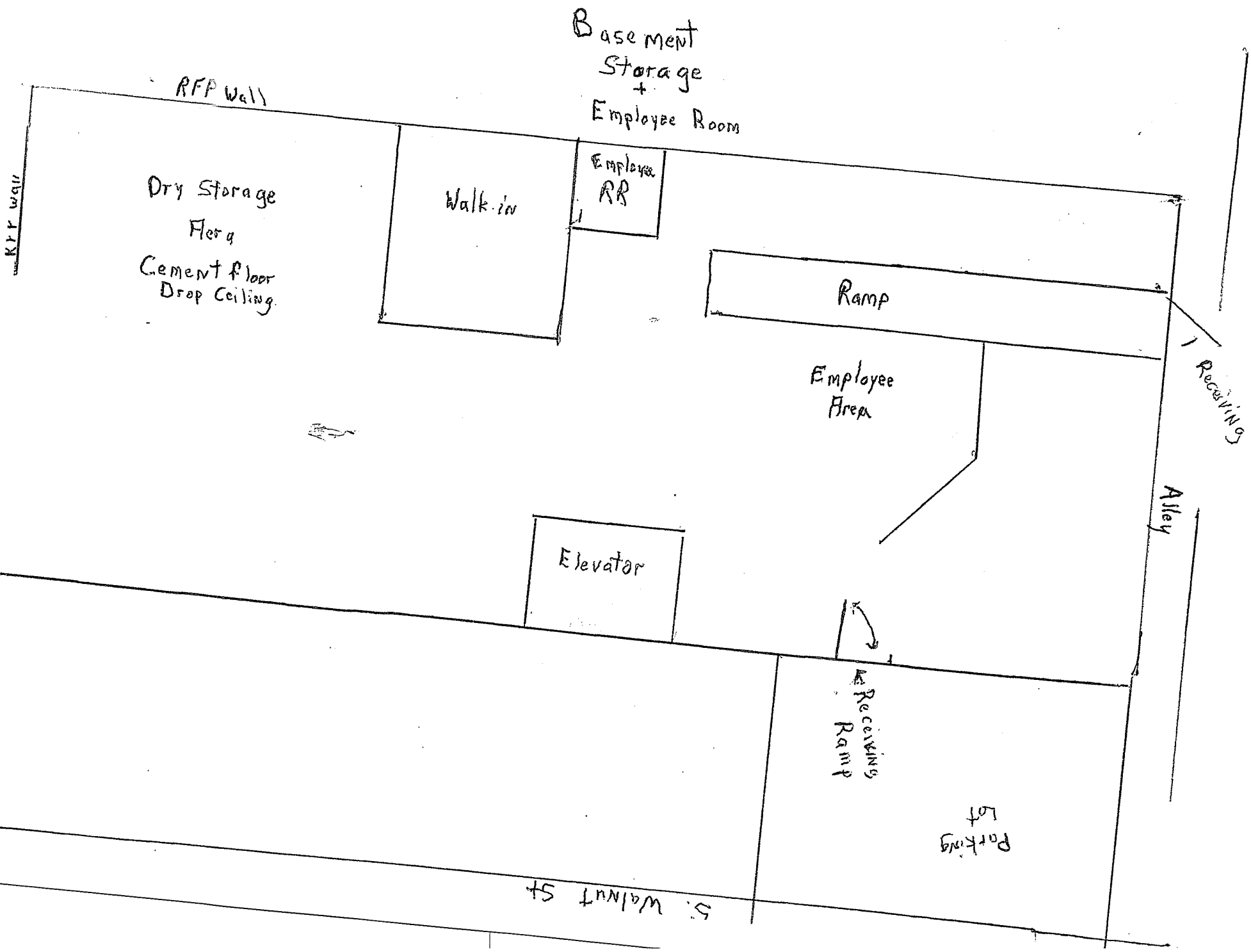
1. CONDUCT FIELD SURVEY OF EXISTING CONDITIONS PRIOR TO SUBMISSION OF BID AND START OF WORK. NO ADDITIONAL PAYMENTS WILL BE MADE ON CLAIMS THAT ARISE FROM LACK OF KNOWLEDGE OF EXISTING CONDITIONS.

1. THE ROUTING OF ALL SURFACE MOUNTED CONDUIT SHALL BE COORDINATED WITH, AND SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
2. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH THE KITCHEN CONTRACTOR. FINAL ELECTRICAL REQUIREMENTS SHALL BE VERIFIED IN THE FIELD WITH THE EQUIPMENT'S NAMEPLATE DATA. THE CONTRACTOR SHALL MAKE APPROPRIATE ADJUSTMENT TO WIRE AND CONDUIT PROTECTION IN ACCORDANCE WITH THE NAMEPLATE DATA.
3. REFER TO KITCHEN EQUIPMENT WIRING SCHEDULE FOR ELECTRICAL REQUIREMENTS ON THIS SHEET. REFER TO KITCHEN EQUIPMENT DRAWINGS FOR EXACT LOCATIONS AND REQUIREMENTS.
4. THE DISCONNECTING MEANS FOR ALL MOTORS AND EQUIPMENT SHALL BE INSTALLED IN A "READY ACCESSIBLE" LOCATION AND SHALL HAVE PROPER WORKING SPACE AS DEFINED IN N.E.C.

1	VERIFY ISOLATED GROUND FOR POS LOCATIONS.
2	PROVIDE MOUNTING HEIGHT OF EQUIPMENT RECEPT/J-BOX WITH ARCHITECTURAL ELEVATIONS AND MILLWORK DRAWINGS
3	PROVIDE ALL CAT 5E CABLEING, VERIFY TERMINATIONS AND PORTS WITH OWNERS IT REPRESENTATIVE
4	COORDINATE INSTALLATION OF CORD AND PLUG WITH OWNER AND SUPPLIER. CONFIRM EQUIPMENT CONNECTION BEFORE ROUGH-IN.
5	BLENDER STATION COMES W/ INTEGRAL RECEPTACLE, CIRCUIT AS INDICATED.
6	SEE PANEL SCHEDULES FOR ELECTRICAL CONNECTION. E.C. SHALL PROVIDE STARTER AS REQUIRED.
7	PROVIDE NEMA TYPE 4X (STAINLESS STEEL) DISCONNECT SWITCH.
8	NOT USED



← N



← 2

RR Wall

RFP Wall

Basement
Storage
+
Employee Room

Dry Storage
Floor
Cement floor
Drop Ceiling.

Walk-in

Employee
RR

Ramp

Employee
Area

Elevator

Receiving

Alley

Receiving
Ramp

Parking
lot

S. Walnut St

