



The LaBiche
ARCHITECTURAL GROUP INC

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April 08, 2019

ADDENDUM NO. 1

#15036 – FORD FIELDS CONCESSION STAND BEAUMONT, TEXAS

The following changes, corrections and additions or deletions to the Drawings and Specifications are hereby made part of the Contract Documents. Bidders shall acknowledge receipt of this Addendum in the Bid Form

SPECIFICATIONS

SECTION 133419 – METAL BUILDING SYSTEMS

1. Paragraph 2.1.A: Add the following manufacturer - SBS (Schulte Building Systems).

DRAWINGS

Sheet A1.1

1. 2/A1.1 Equipment Schedule Item #34 – Notes - Delete note in its entirety and revise to read as follows: *"Supplied by Owner, Installed by Contractor"*.
2. 2/A1.1 Equipment Schedule Item #35 – Notes – Delete note in its entirety and revise to read as follows: *"Supplied by Owner, Installed by Contractor"*.

Sheet A2.1

1. Delete Sheet A2.1 in its entirety and replace with the attached revised Sheet A2.1.

Sheet A4.0

1. Delete Sheet A4.0 in its entirety and replace with the attached revised Sheet A4.0.

Sheet A5.0

1. Delete Sheet A5.0 in its entirety and replace with the attached revised Sheet A5.0.

Sheet A6.0

1. Delete Sheet A6.0 in its entirety and replace with the attached revised Sheet A6.0.

Sheet A7.0

1. Delete Sheet A7.0 in its entirety and replace with the attached revised Sheet A7.0.



Sheet ME-1.0

2. Delete Sheet ME-1.0 in its entirety and replace with the attached revised Sheet ME-1.0.

Sheet ME-2.0

1. Delete Sheet ME-2.0 in its entirety and replace with the attached revised Sheet ME-2.0.

Sheet ME-2.1

1. Delete Sheet ME-2.1 in its entirety and replace with the attached revised Sheet ME-2.1.

Sheet ME-2.2

1. Delete Sheet ME-2.2 in its entirety and replace with the attached revised Sheet ME-2.2.

Sheet ME-3.0

1. Delete Sheet ME-3.0 in its entirety and replace with the attached revised Sheet ME-3.0.

Sheet ME-3.1

1. Delete Sheet ME-3.1 in its entirety and replace with the attached revised Sheet ME-3.1.

Sheet ME-3.2

1. Delete Sheet ME-3.2 in its entirety and replace with the attached revised Sheet ME-3.2.

Sheet ME-4.0

1. Delete Sheet ME-4.0 in its entirety and replace with the attached revised Sheet ME-4.0.

Sheet ME-4.1

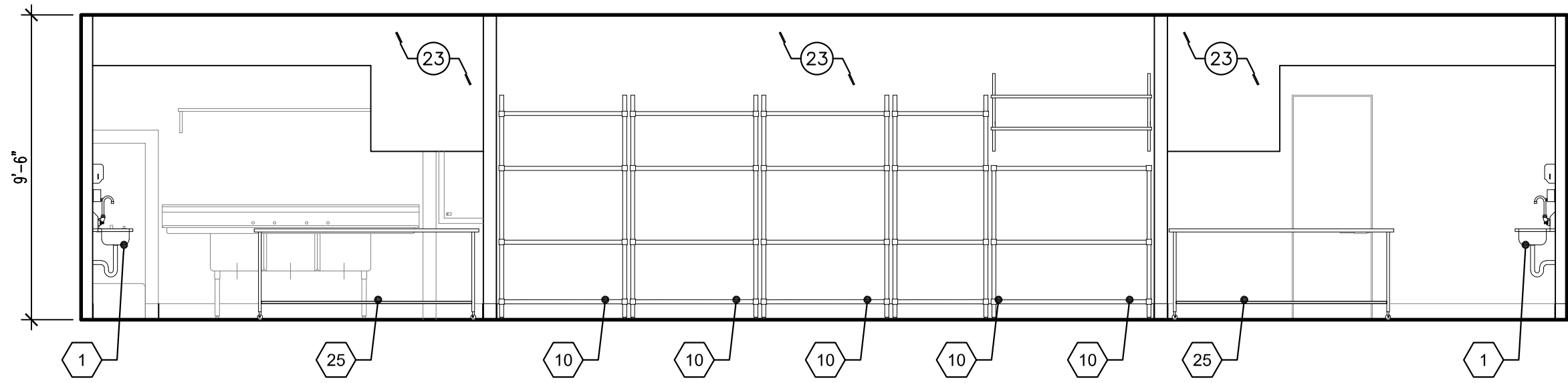
1. Delete Sheet ME-4.1 in its entirety and replace with the attached revised Sheet ME-4.1.

Sheet ME-4.2

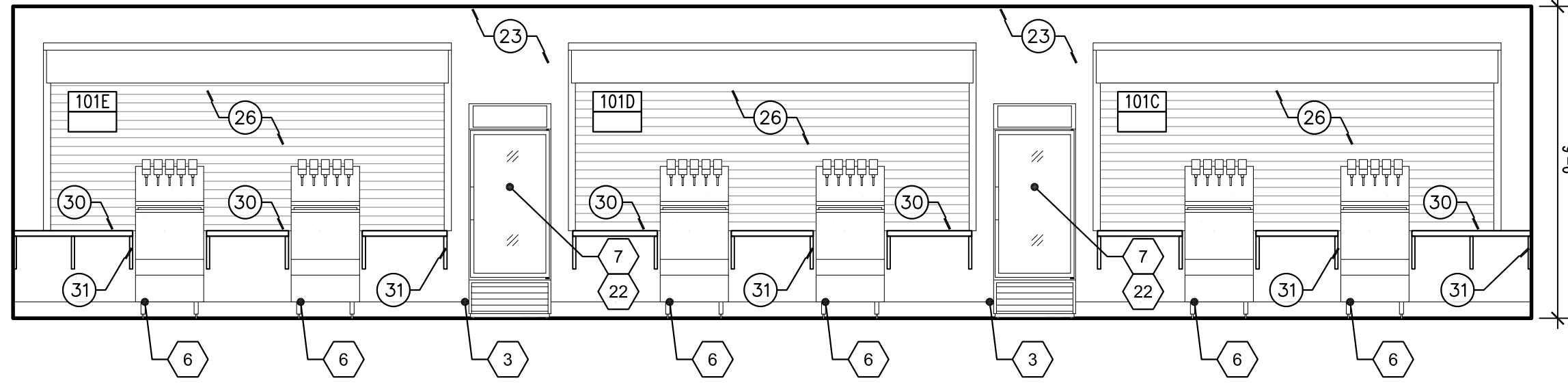
1. Delete Sheet ME-4.2 in its entirety and replace with the attached revised Sheet ME-4.2.

End of Addendum No. 1

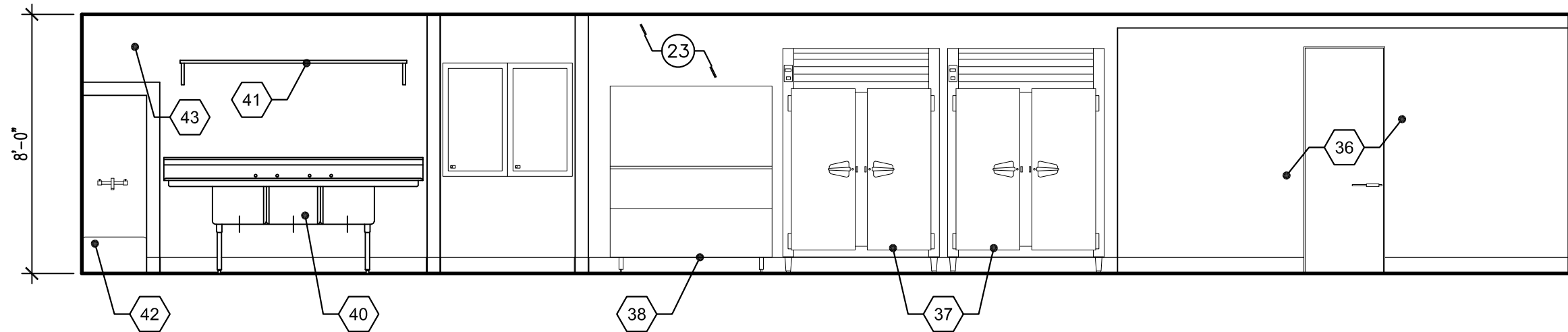




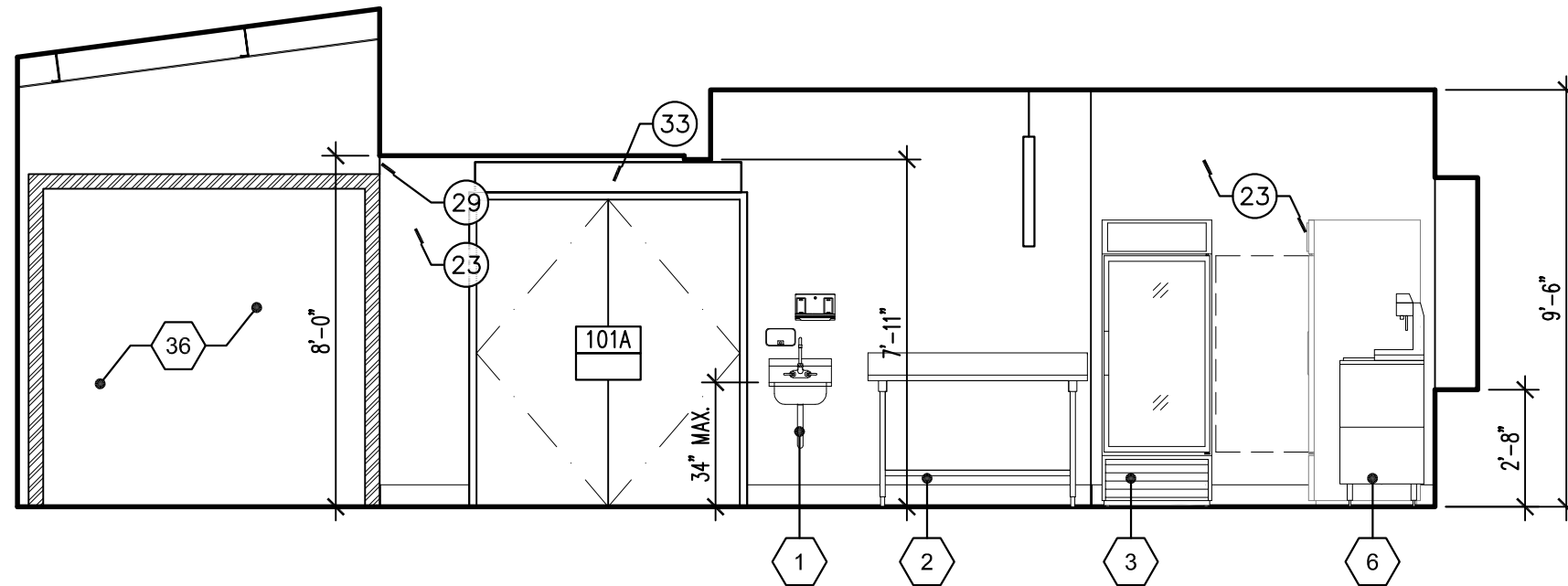
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A2.1
INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



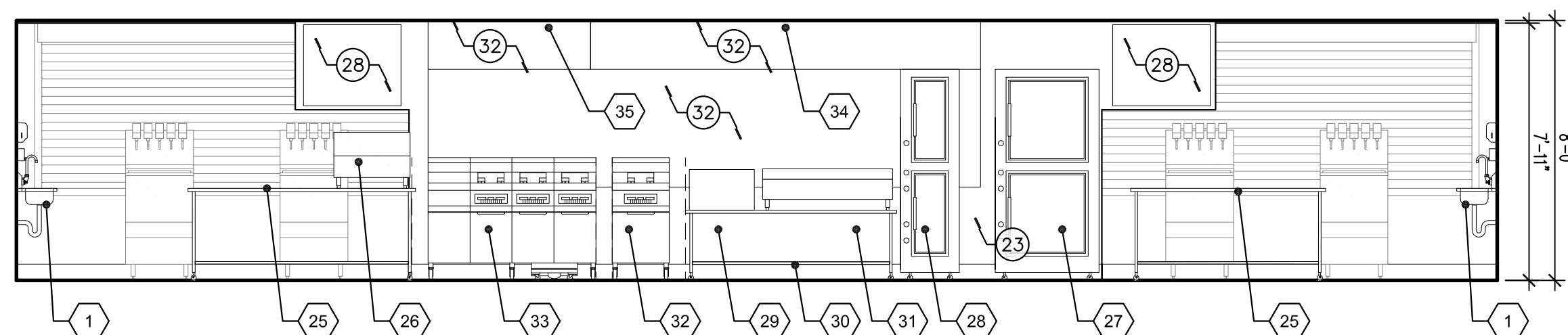
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A2.1
INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



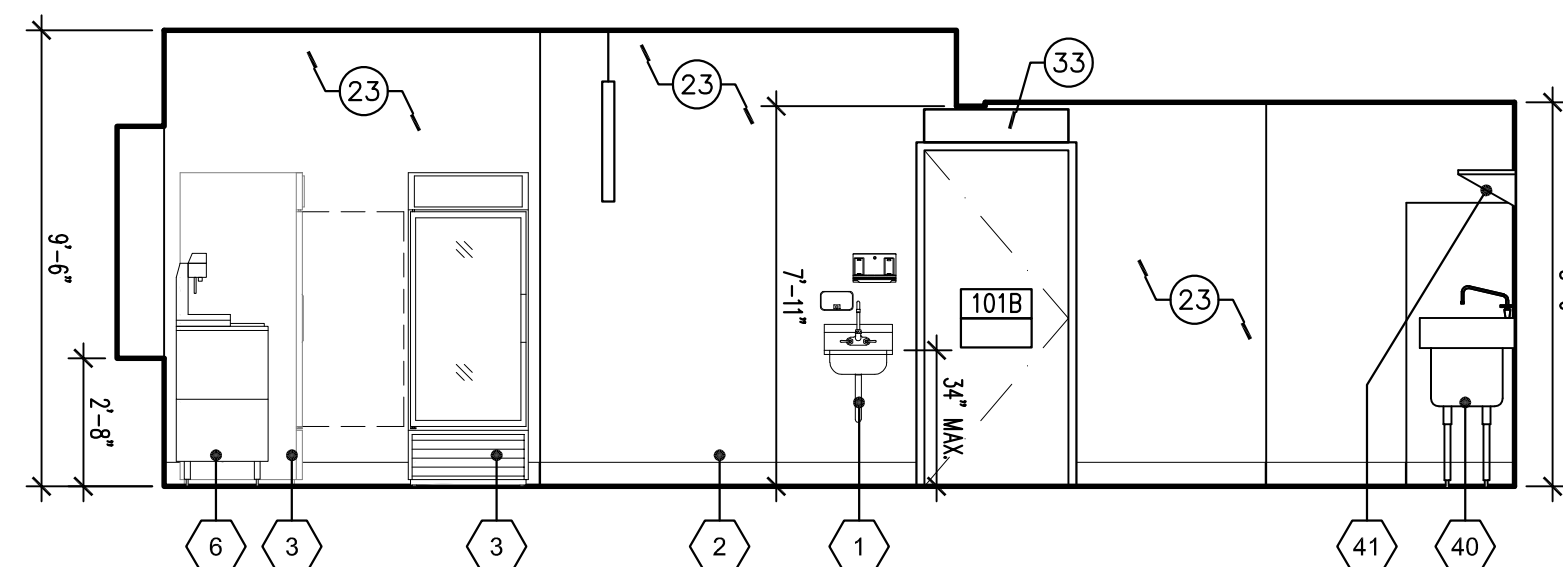
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A2.1
INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



5
A2.1
INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



3
A2.1
INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



6
A2.1
INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

KEYED NOTES:

- 25 GAUGE, 1 5/8" METAL STUDS @ 16" O.C.
- 25 GAUGE, 3 5/8" METAL STUDS @ 16" O.C.
- 20 GAUGE, 6" METAL STUDS @ 16" O.C.
- FACED METAL BUILDING INSULATION
- FIRE EXTINGUISHER AND CABINET--INSTALL @36"
- AF.F. TO BOT. OF CABINET
- SOUND INSULATION
- 6" COVED RUBBER BASE
- METAL BUILDING MANUFACTURER'S METAL CANOPY SYSTEM
- MANUFACTURER'S 8" METAL WALL GIRT
- DECORATIVE LIGHTING FIXTURE
- METAL WALL PANEL TRANSITION FLASHING - SEE DETAIL ON SHEET A2.0
- 8" "C" CHANNEL
- MANUFACTURER'S CLOSURE PANEL
- THRESHOLD SET IN SEALANT
- INSULATED CORE METAL DOOR--PAINTED
- GUTTER AND DOWNSPOUT
- METAL ROOF SYSTEM
- METAL BUILDING MANUFACTURER'S METAL AWNING SYSTEM
- METAL BUILDING MANUFACTURER'S CLIP ATTACHED TO GIRT ABOVE
- SOLID WOOD BLOCKING - PLYWOOD IS NOT A SUITABLE BLOCKING MATERIAL
- 3/4" PLYWOOD BACKING PANEL
- 2X2 VINYL COVERED ACOUSTICAL CEILING SYSTEM
- FIBERGLASS REINFORCED PLASTIC (FRP)
- TAPERED RIB PROFILE METAL WALL PANEL TYPE "A"
- CORRUGATED PROFILE METAL WALL PANEL TYPE "B"
- OVERHEAD COUNTER DOOR
- SIGNAGE PROVIDED BY OWNER - INSTALLED BY CONTRACTOR
- ANSUL SYSTEM
- FREEZER MANUFACTURER TRIM
- 14 GA. STAINLESS STEEL COUNTERTOP
- STEEL ANGLE SUPPORT. 3'-0" MAX SPACING. PAINT TO MATCH FRP.
- EXISTING HOOD - SEE EQUIPMENT SCHEDULE
- AIR CURTAIN
- BACKER ROD AND SEALANT
- METAL BUILDING MANUFACTURER'S STANDARD CORNER TRIM
- CEILING MOUNTED TV - MOUNT TO STRUCTURE ABOVE
- METAL BUILDING MANUFACTURER'S STANDARD RAKE TRIM
- THERMAL INSULATION
- 5/8" GYPSUM BOARD, TAPE AND FLOAT

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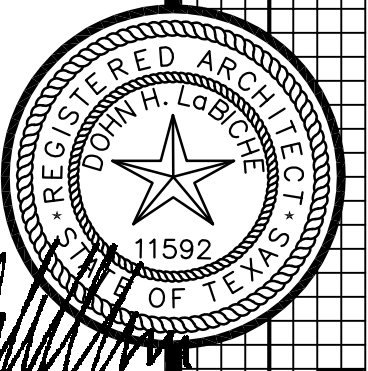
03.15.2019

DATE SIGNED

12.31.2019

REGISTRATION

EXPIRATION DATE



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WWW.L&BICHE.COM

THE
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ARCHITECTURAL
GROUP, INC.

NEW CONSTRUCTION
FORD FIELDS CONCESSION STAND
5115 IH-10 SOUTH
BEAUMONT, TEXAS 77705
FORD PARK

SET NO.

SHEET NUMBER
A2.1
FILE NAME

DRAWN BY
CMM
PROJECT NUMBER
15036
DOCUMENT RELEASE DATES

03.15.2019 BIDS & CONSTRUCTION

1
2
3
4
5
6
7
8
9

15036A2.1

15036A2.1

15036A2.1

15036A2.1

15036A2.1

15036A2.1

15036A2.1

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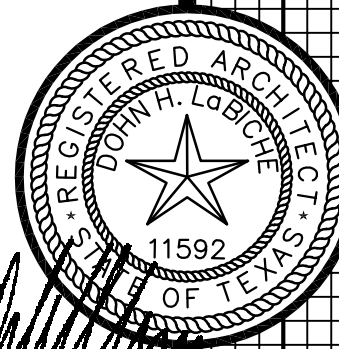
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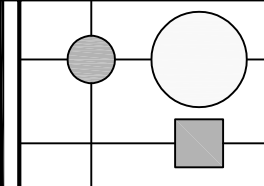
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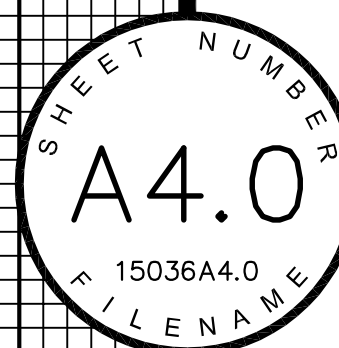
NEW CONSTRUCTION

FORD FIELDS CONCESSION STAND

5115 IH-10 SOUTH
BEAUMONT, TEXAS 77705

FORD PARK

SET NO.



DRAWN BY

CMM

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DOCUMENT RELEASE DATES

1 03.15.2019 BIDS & CONSTRUCTION

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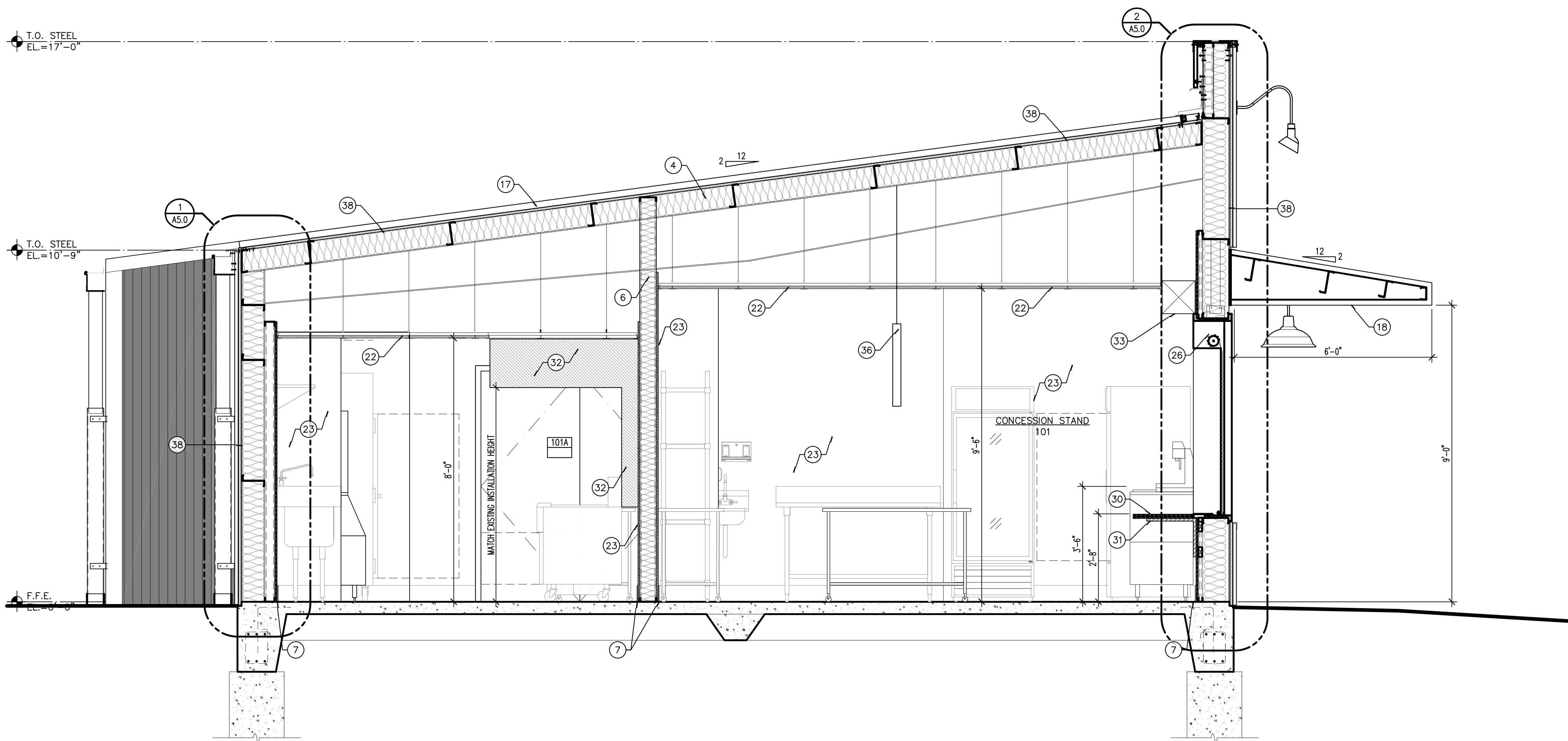
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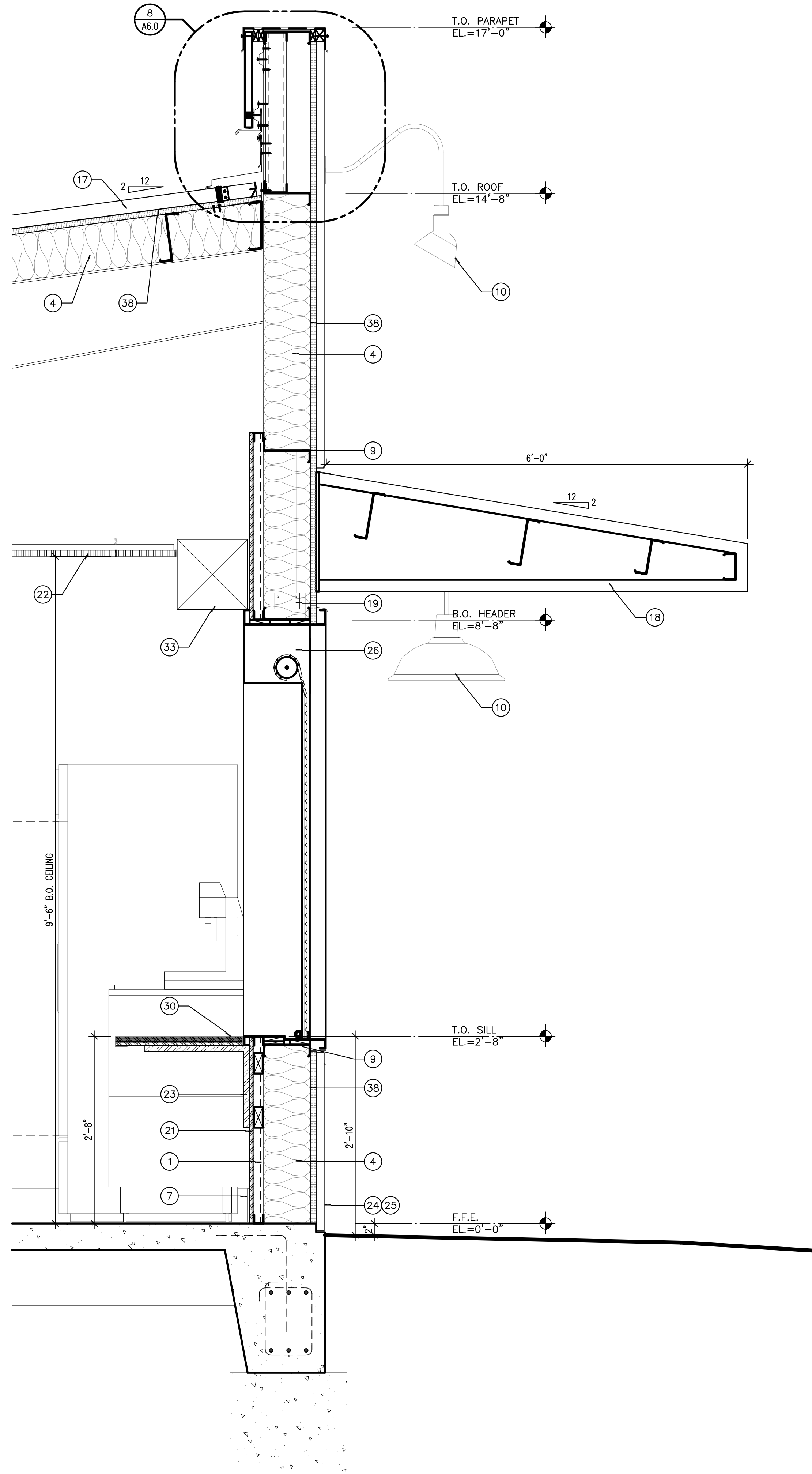
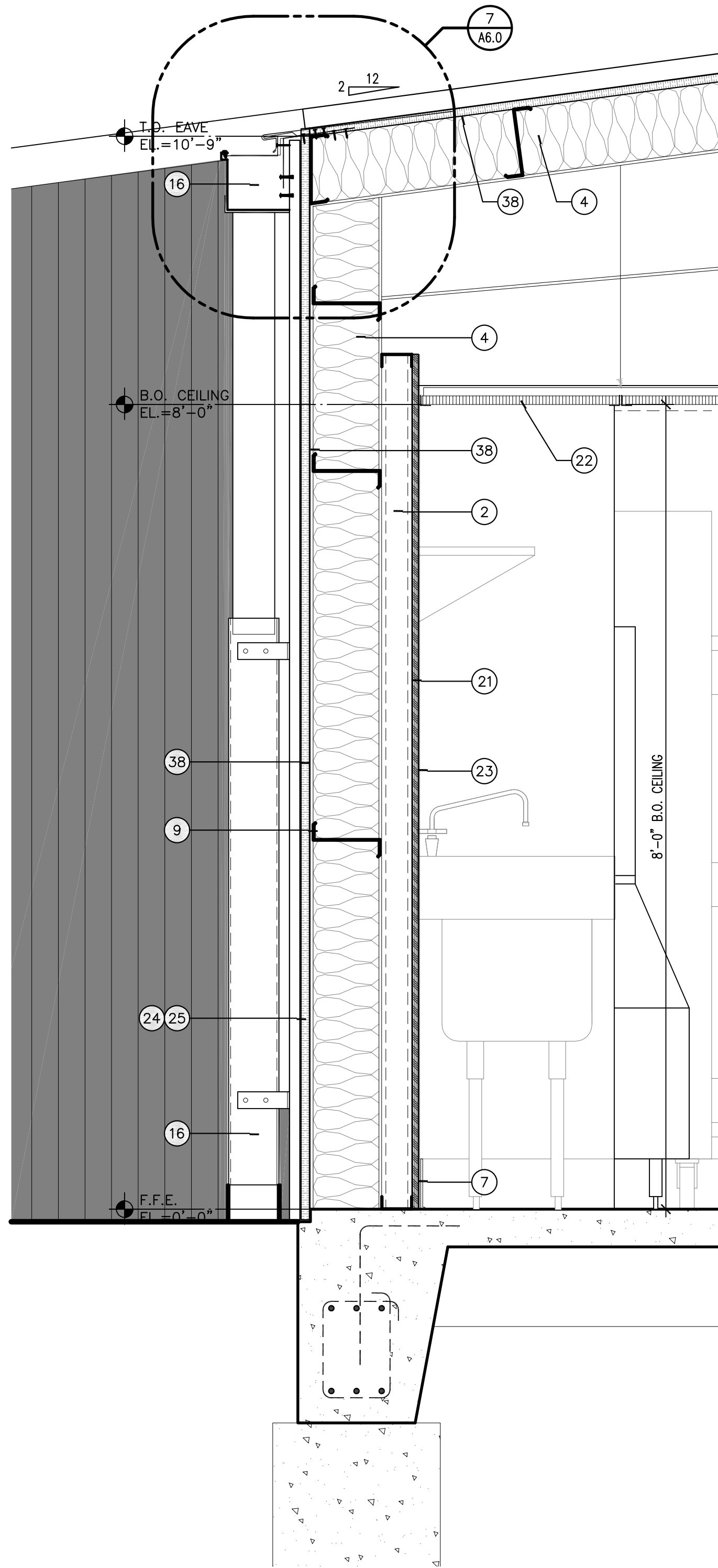
KEYED NOTES:

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- 25 GAUGE, 3 5/8" METAL STUDS @ 16" O.C.
- 20 GAUGE, 6" METAL STUDS @ 16" O.C.
- FACED METAL BUILDING INSULATION
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- SOUND INSULATION
- 6" COVED RUBBER BASE
- METAL BUILDING MANUFACTURER'S METAL CANOPY SYSTEM
- MANUFACTURER'S 8" METAL WALL GIRT
- DECORATIVE LIGHTING FIXTURE
- METAL WALL PANEL TRANSITION FLASHING - SEE DETAIL ON SHEET A2.0
- 8" "C" CHANNEL
- MANUFACTURER'S CLOSURE PANEL
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- CORRUGATED PROFILE METAL WALL PANEL TYPE "B"
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- METAL BUILDING MANUFACTURER'S STANDARD RAKE TRIM
- THERMAL INSULATION
- 5/8" GYPSUM BOARD, TAPE AND FLOAT



BUILDING SECTION

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



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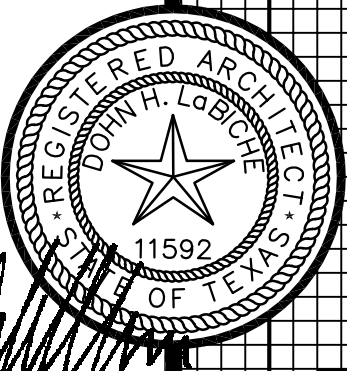
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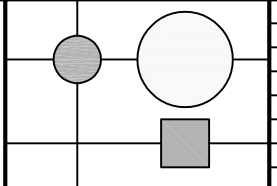
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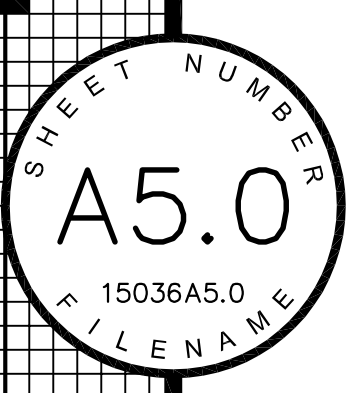
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FORD PARK

SET NO.



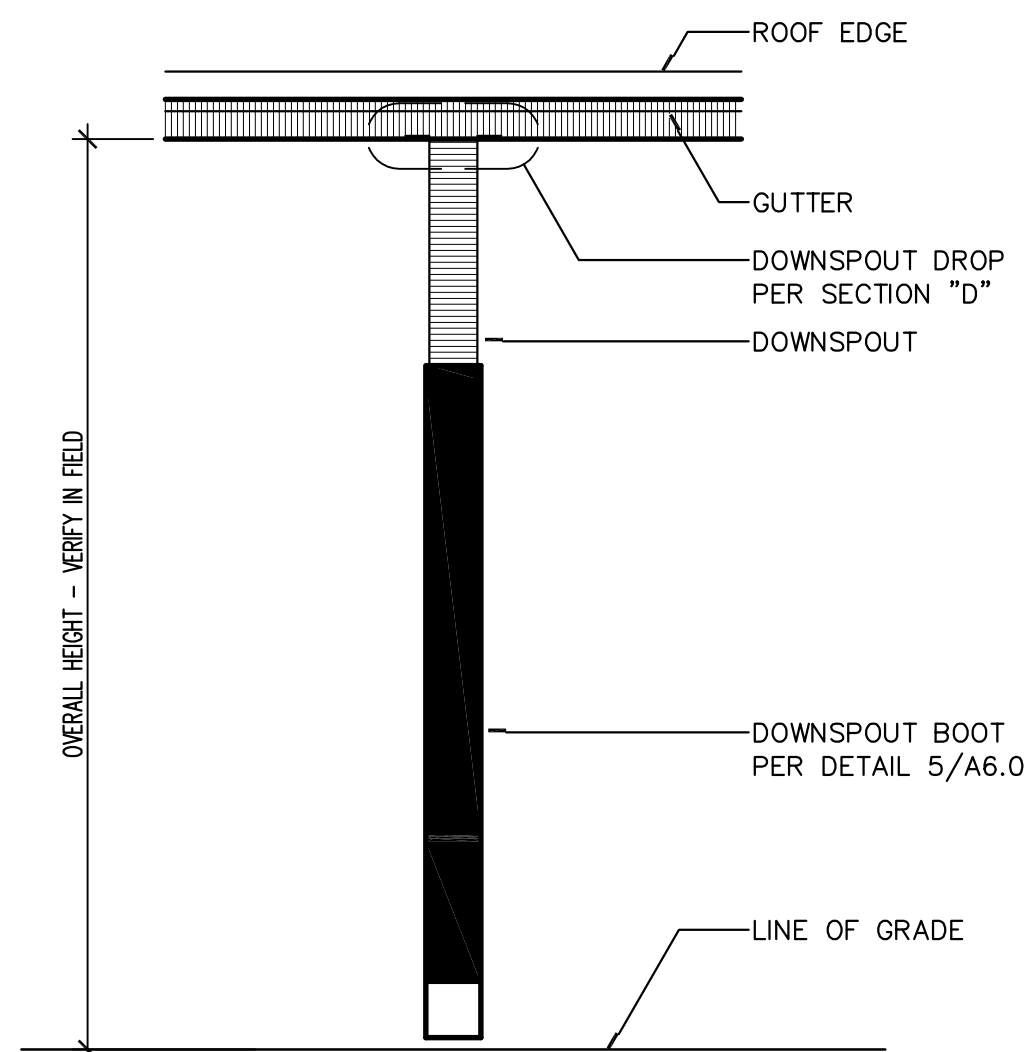
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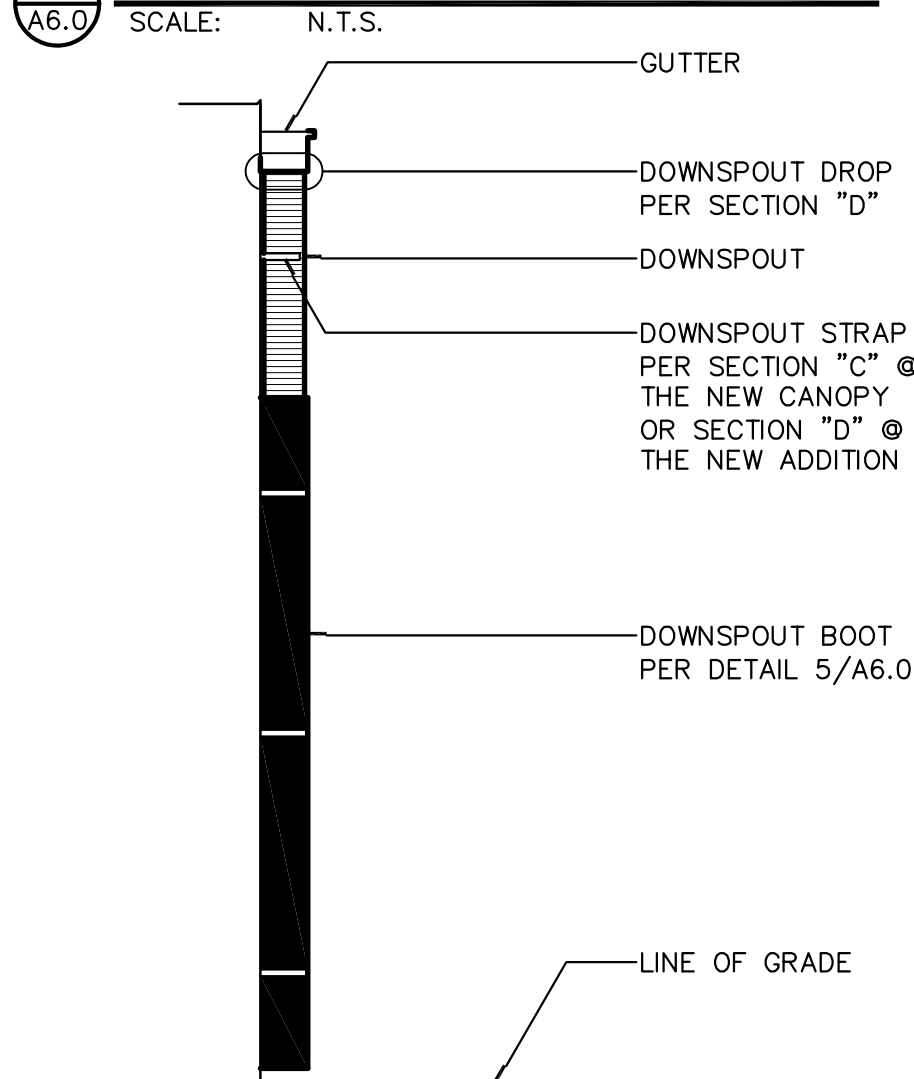
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1 WALL SECTION
SCALE: 1" = 1'-0"

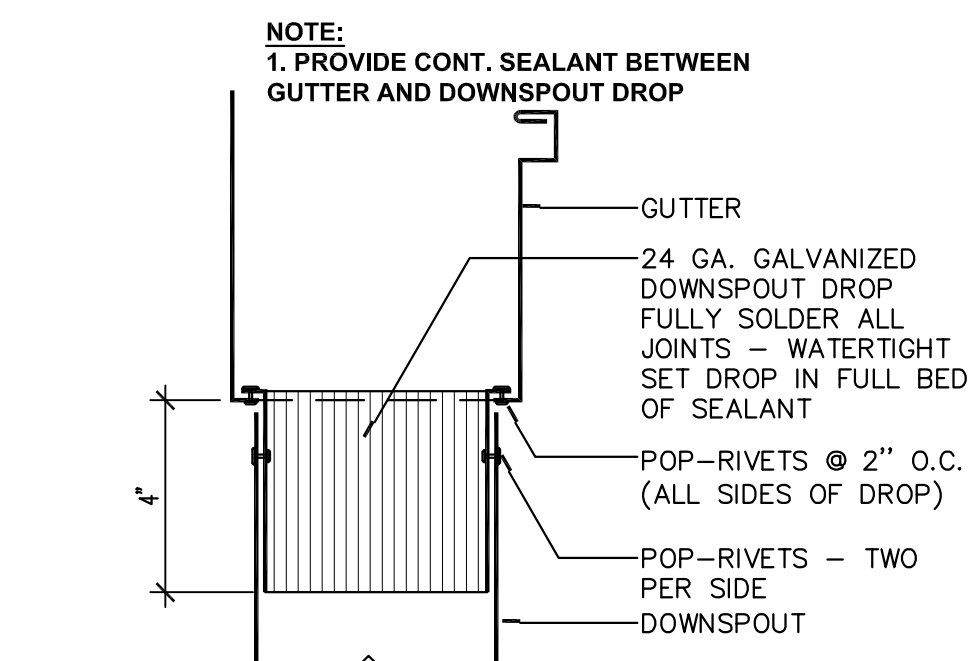
2 WALL SECTION
SCALE: 1" = 1'-0"



1A
A6.0
TYPICAL FRONT ELEVATION

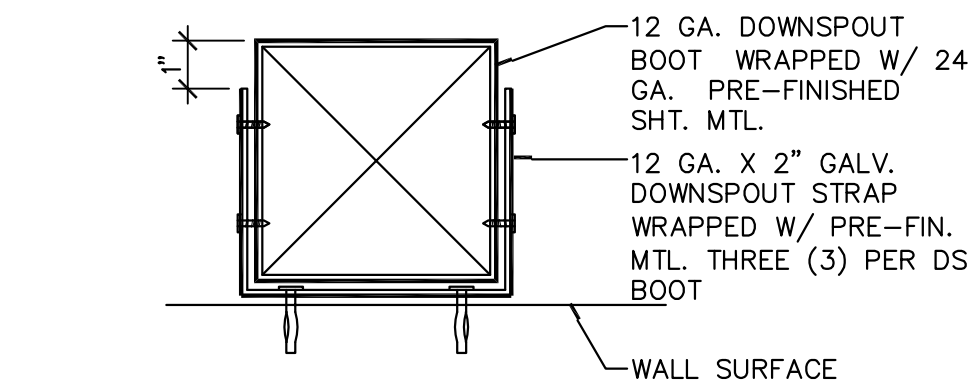


1B
A6.0
TYPICAL SIDE ELEVATION



1C
A6.0
DOWNSPOUT STRAP

SCALE: N.T.S.

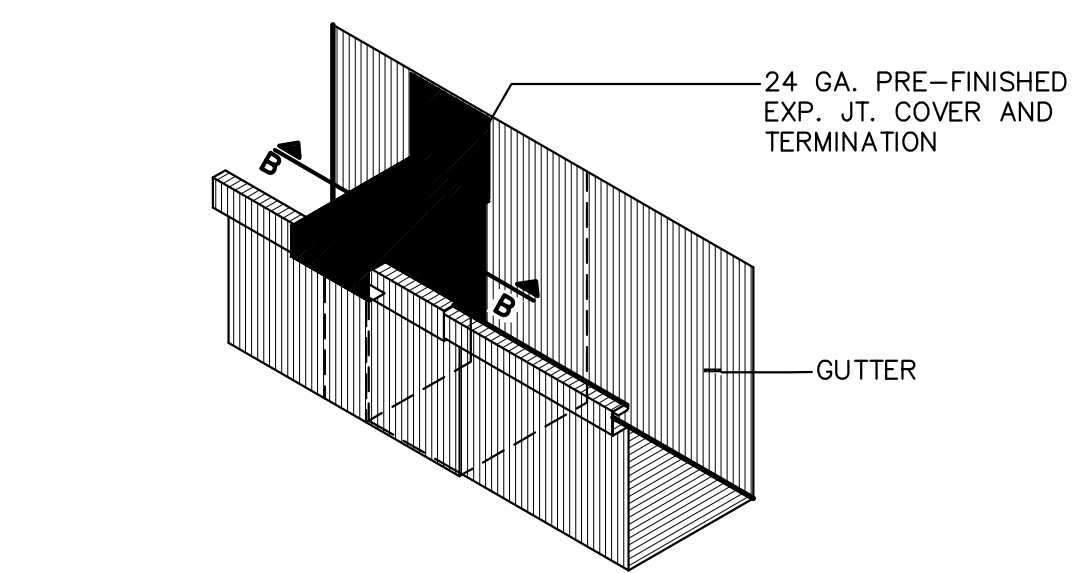


1D
A6.0
DOWNSPOUT DROP

SCALE: N.T.S.

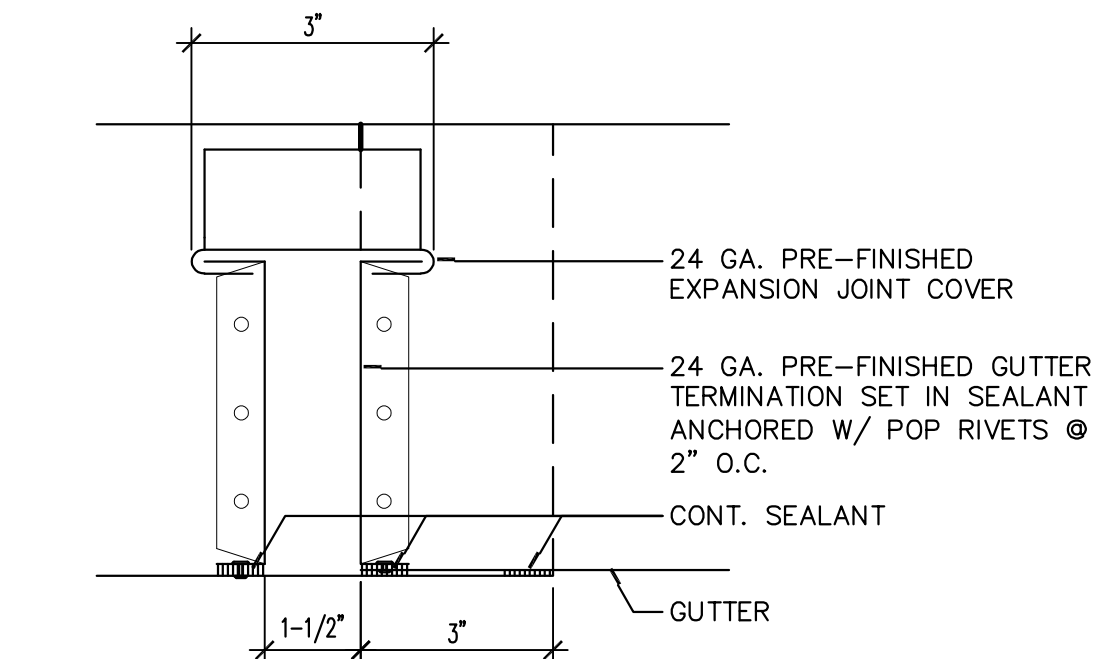
1
A6.0
TYPICAL DOWNSPOUT SECTION

SCALE: N.T.S.



2A
A6.0
ISOMETRIC

SCALE: 3" = 1'-0"

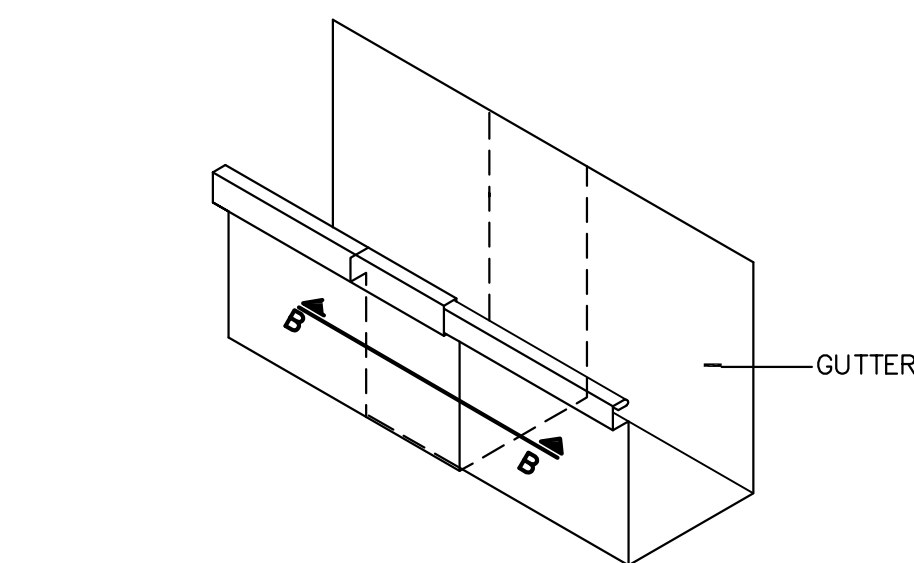


2B
A6.0
SECTION

SCALE: 3" = 1'-0"

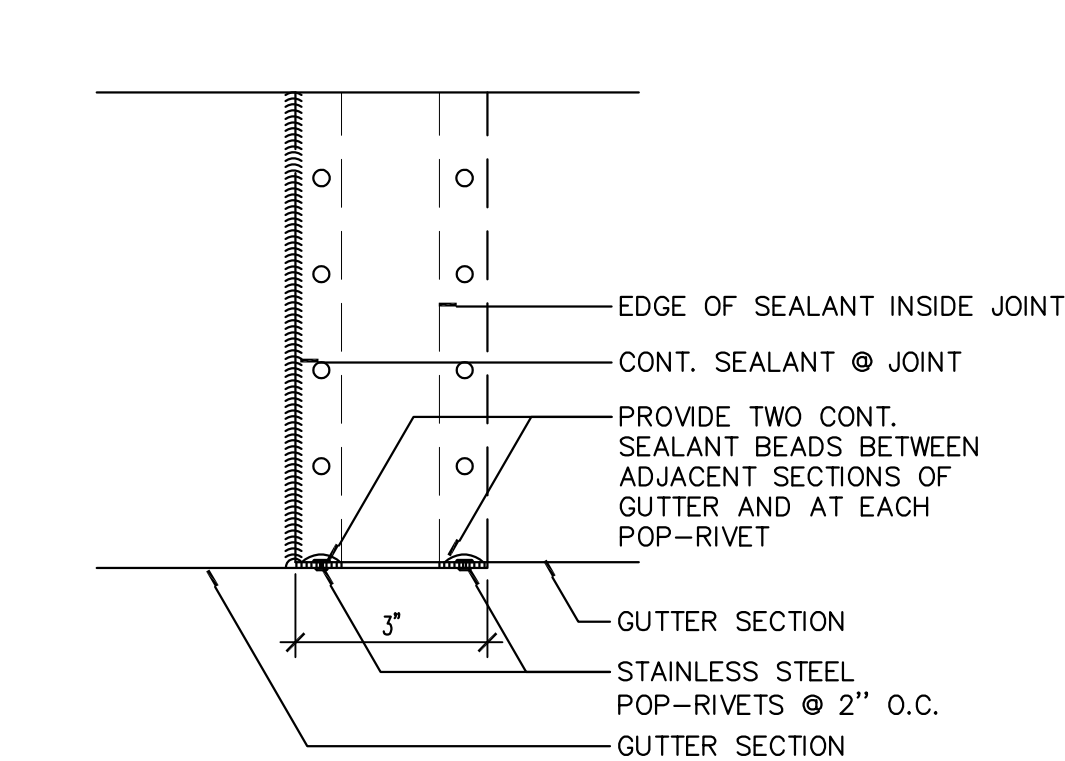
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A6.0
GUTTER EXPANSION JOINT

SCALE: AS NOTED



3A
A6.0
ISOMETRIC

SCALE: 3" = 1'-0"

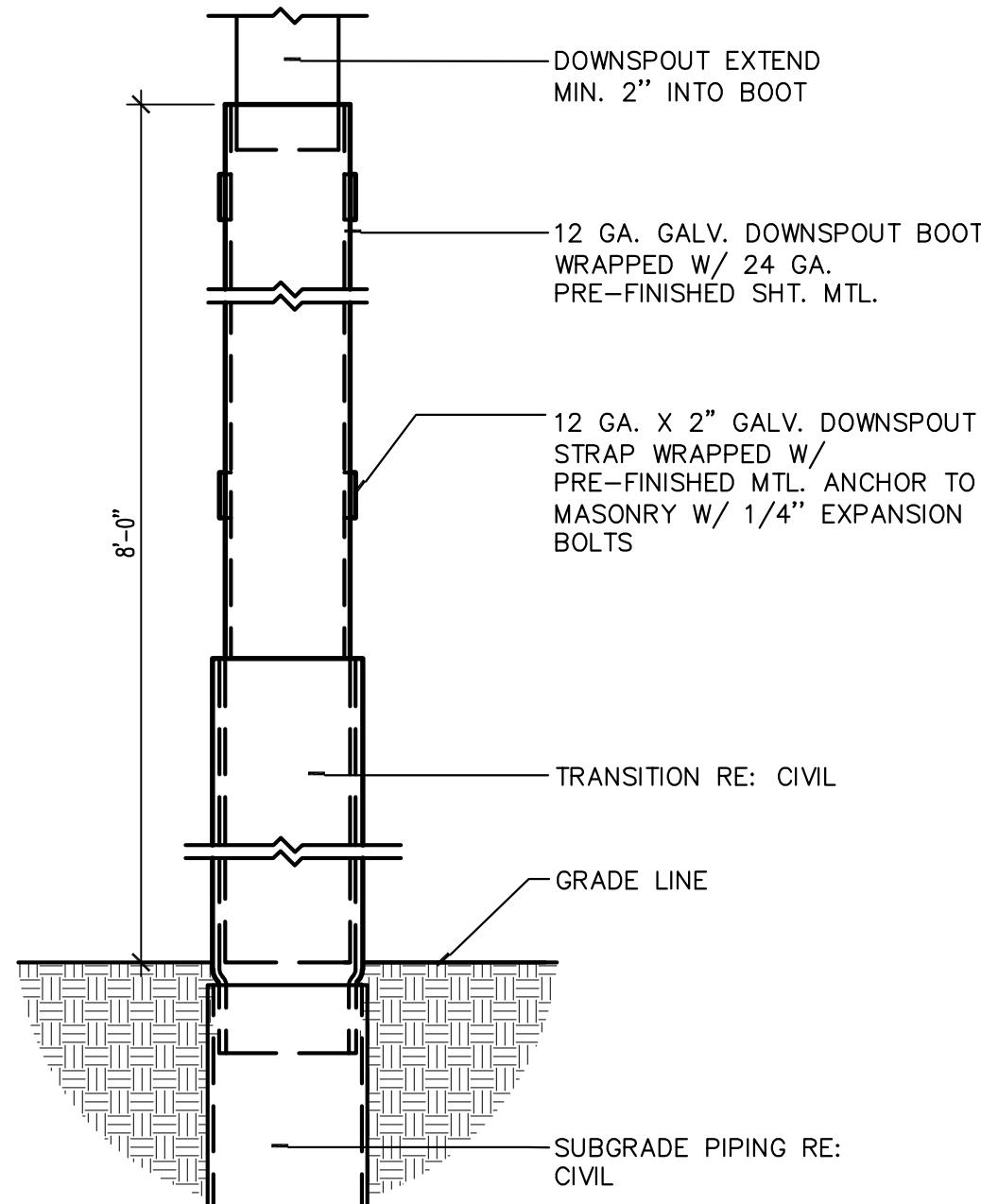


3B
A6.0
SECTION

SCALE: 3" = 1'-0"

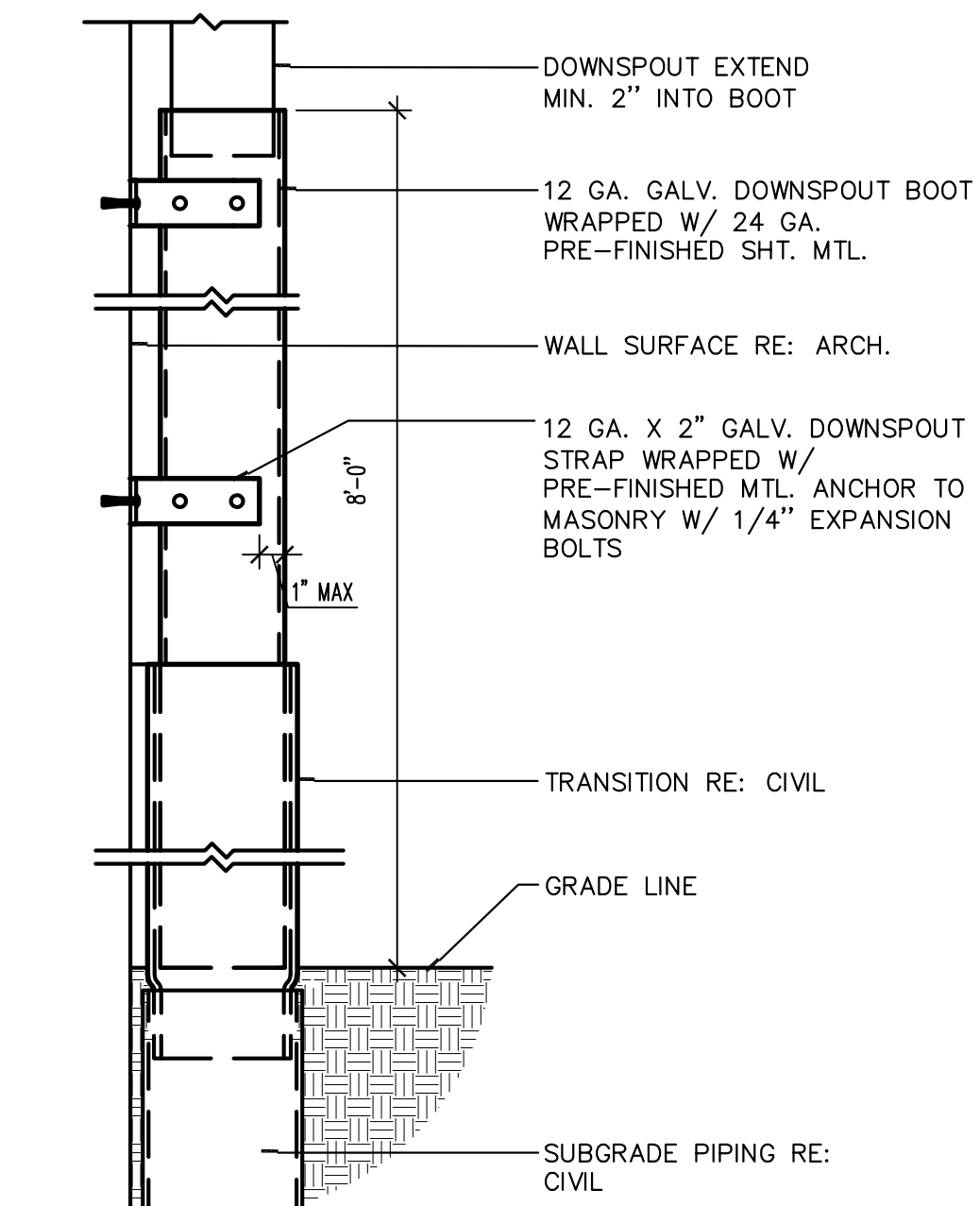
3
A6.0
GUTTER JOINT

SCALE: AS NOTED



5A
A6.0
FRONT ELEVATION

SCALE: N.T.S.



5B
A6.0
SIDE ELEVATION

SCALE: N.T.S.

5
A6.0
DOWNSPOUT BOOT (SUB-GRADE)

SCALE: N.T.S.

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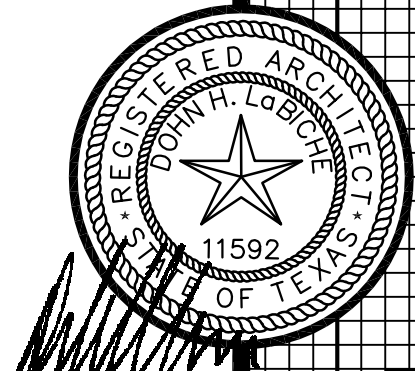
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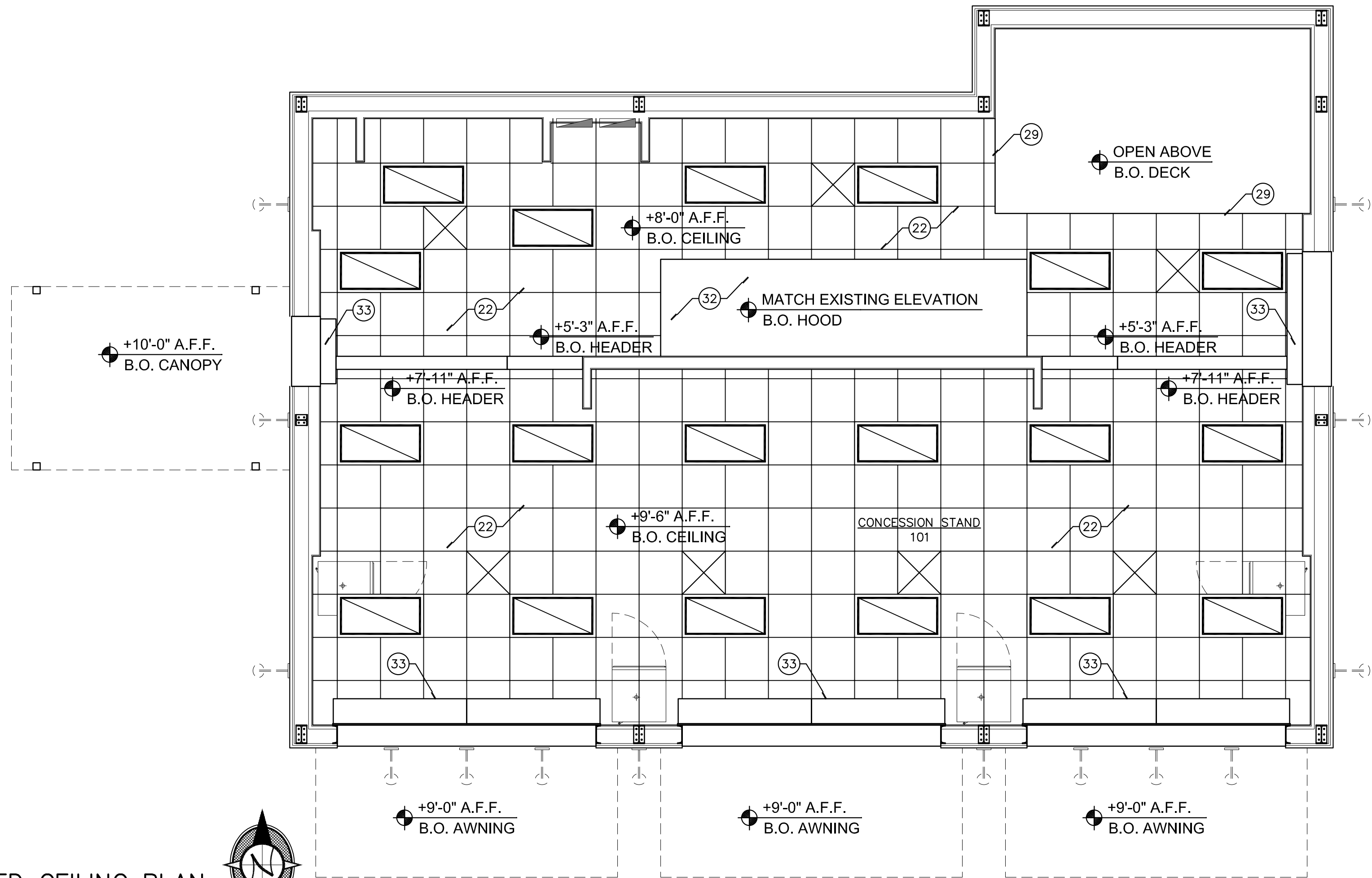
SET NO.

SHEET NUMBER
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FILENAME

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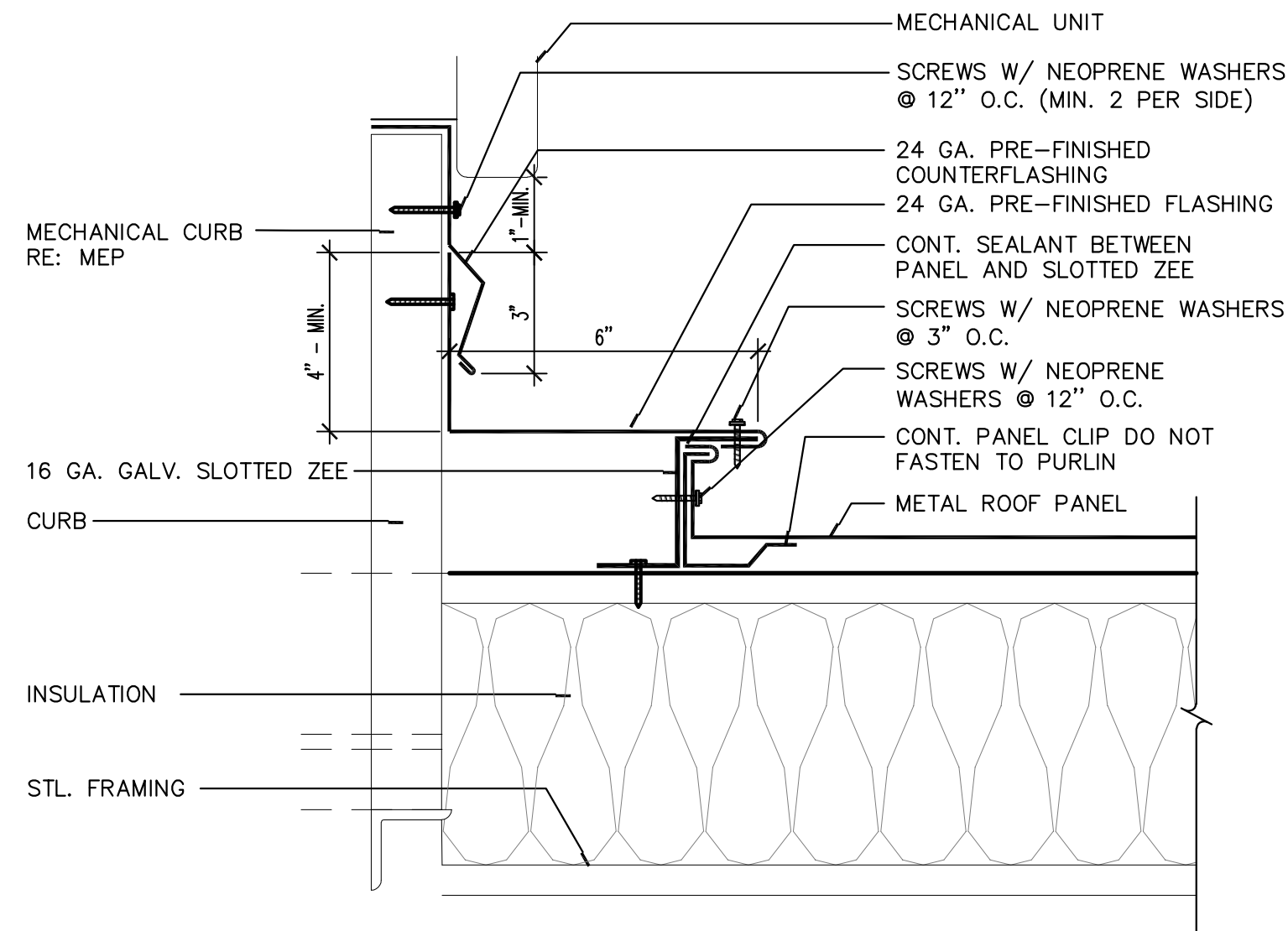
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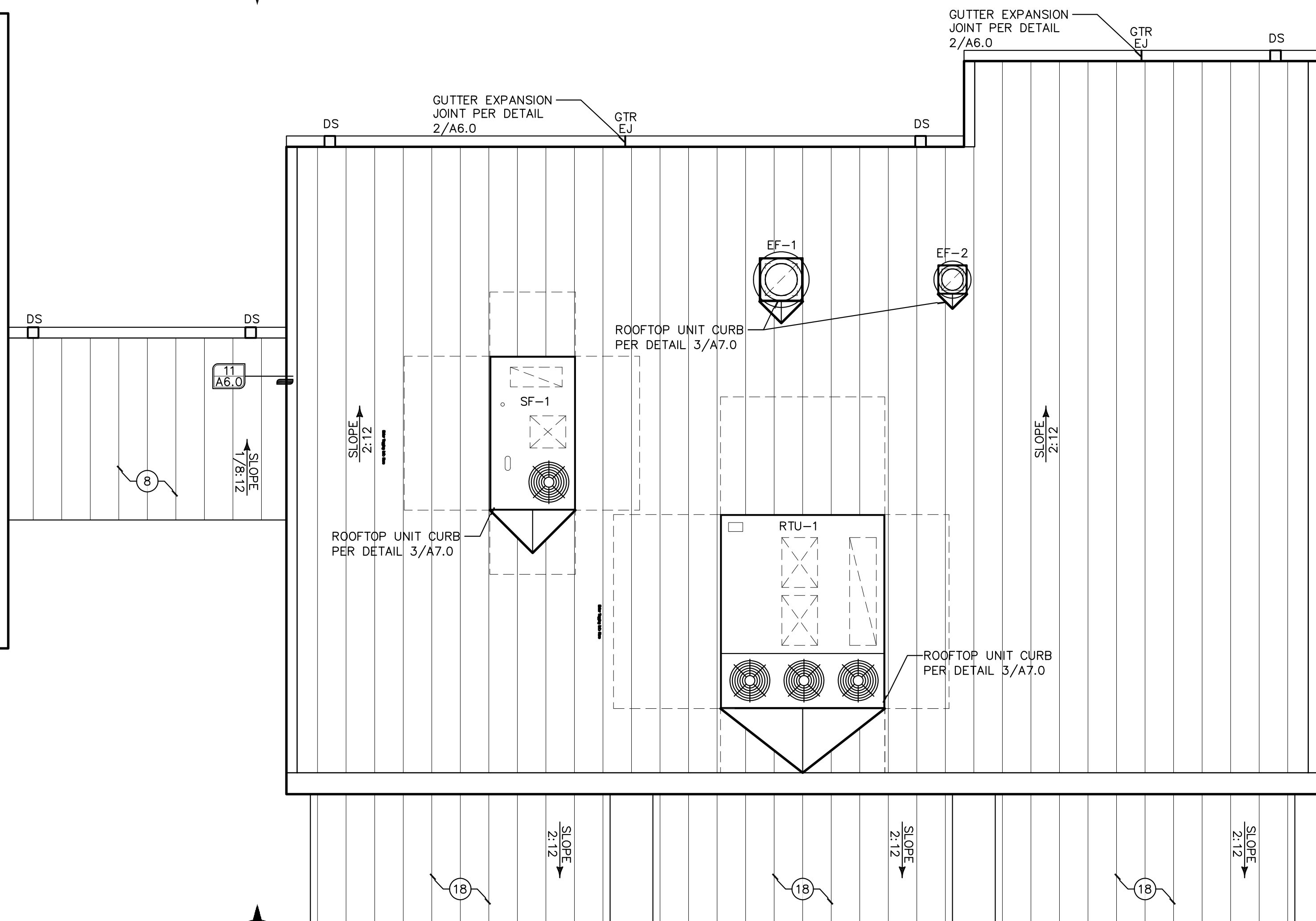


1 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

- NOTE:
1. ROOFING CONTRACTOR SHALL COORDINATE THE REQUIRED CURB HEIGHT WITH THE MECHANICAL CONTRACTOR PRIOR TO ORDERING CURB.
 2. MINIMUM HEIGHT TO BOTTOM OF LIFTING RAIL SHALL BE 18".
 3. PROVIDE TAPERED CRICKETS ON HIGH SIDE OF CURBED PENETRATIONS 24" or WIDER



3 ROOFTOP UNIT CURB
SCALE: 3" = 1'-0"



2 ROOF PLAN
SCALE: 1/4" = 1'-0"

- NOTE:
1. STANDARD METAL BUILDING DETAILS SHALL BE SUBMITTED FOR APPROVAL.
 2. EXPOSED FASTENER R PANELS SHALL BE USED FOR THIS PROJECT.
 3. ROOF PANELS SHALL BE CONTINUOUS FROM EAVE TO RIDGE.

KEYED NOTES:

- 1 25 GAUGE, 1 5/8" METAL STUDS @ 16" O.C.
- 2 25 GAUGE, 3 5/8" METAL STUDS @ 16" O.C.
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- 9 MANUFACTURER'S 8" METAL WALL GIRT
- 10 DECORATIVE LIGHTING FIXTURE
- 11 METAL WALL PANEL TRANSITION FLASHING - SEE DETAIL ON SHEET A2.0
- 12 8" "C" CHANNEL
- 13 MANUFACTURER'S CLOSURE PANEL
- 14 THRESHOLD SET IN SEALANT
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- 16 GUTTER AND DOWNSPOUT
- 17 METAL ROOF SYSTEM
- 18 METAL BUILDING MANUFACTURER'S METAL AWNING SYSTEM
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- 30 14 GA. STAINLESS STEEL COUNTERTOP
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- 33 AIR CURTAIN
- 34 BACKER ROD AND SEALANT
- 35 METAL BUILDING MANUFACTURER'S STANDARD CORNER TRIM
- 36 CEILING MOUNTED TV - MOUNT TO STRUCTURE ABOVE
- 37 METAL BUILDING MANUFACTURER'S STANDARD RAKE TRIM
- 38 THERMAL INSULATION
- 39 5/8" GYPSUM BOARD, TAPE AND FLOAT

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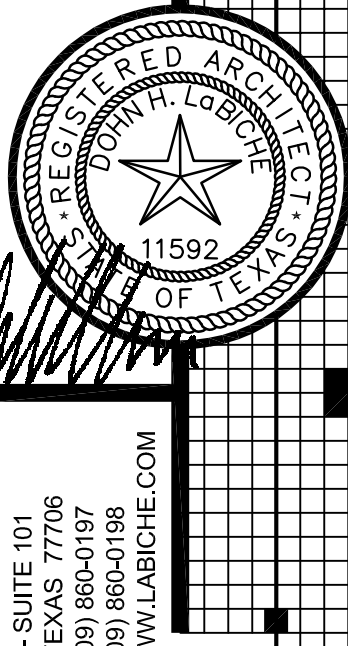
03.15.2019

DATE SIGNED

12.31.2019

REGISTRATION

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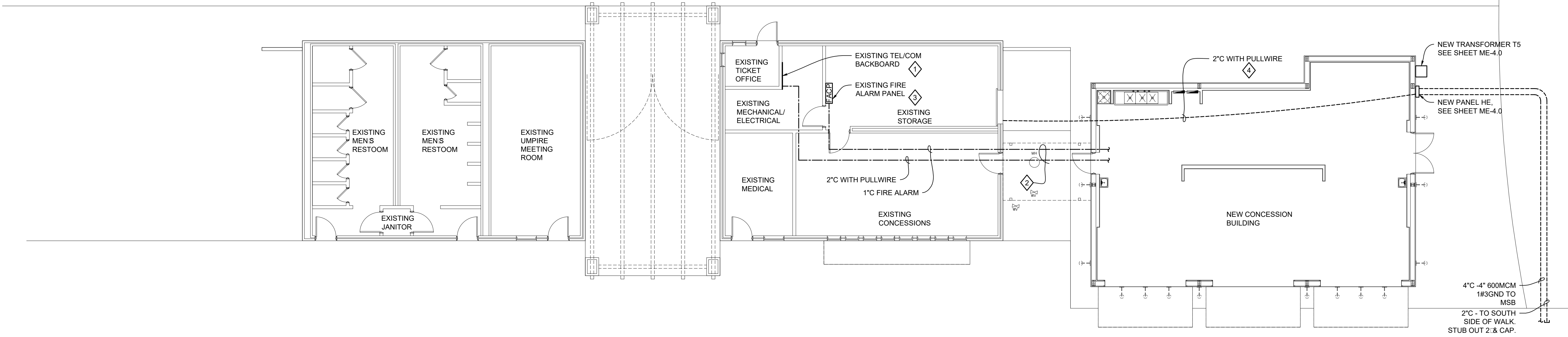
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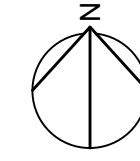
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1 ELECTRICAL SITE PLAN

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



- 1/2" x 6'-0" LONG FLEXIBLE METAL RACEWAY WITH CONDUCTORS REQUIRED FOR SWITCHED CONDUCTORS, UNSWITCHED CONDUCTORS, NEUTRAL, AND GROUND.
- UNDERGROUND WIRING.
- CONCEALED WIRING.
- EXPOSED WIRING.
- PNL-CKT
HOME RUN TO PANEL AND CIRCUIT INDICATED.
- 20A 125V DUPLEX SPECIFICATION GRADE RECEPTACLE WITH THERMOPLASTIC HIGH-IMPACT RESISTANT WALL PLATE. MOUNT BOTTOM AT 16" A.F.F. UNLESS OTHERWISE NOTED.
CT = COUNTERTOP MOUNTED HORIZONTALLY
UC = UNDER COUNTER
GFCI = GROUND FAULT CIRCUIT INTERRUPTER, FEED THRU TYPE
WP = WEATHER PROOF COVER
- 2 EA. 20A 125V DUPLEX SPECIFICATION GRADE RECEPTACLE WITH THERMOPLASTIC HIGH-IMPACT RESISTANT WALL PLATE. MOUNT BOTTOM AT 16" A.F.F. UNLESS OTHERWISE NOTED.
- SPECIAL RECEPTACLE. SEE EQUIPMENT SCHEDULE FOR REQUIREMENTS. FIELD VERIFY EXACT EQUIPMENT REQUIREMENTS.
- ALUMINUM TELEPOWER POLE WITH 2 EA. 20A 125V DUPLEX RECEPTACLES ON EACH SIDE AS INDICATED. VERIFY POLE HEIGHT WITH ROOM CEILING HEIGHT. RECEPTACLE HEIGHTS TO BE 42" TO BOTTOM RECEPTACLE.
- 20A 120/277 SPECIFICATION GRADE HUBBELL SERIES 1221 TOGGLE SWITCH WITH THERMOPLASTIC HIGH-IMPACT RESISTANT COVER PLATE TO MATCH RECEPT. COVER PLATE COLOR SELECTED BY ARCHITECT ON ROOM-BY-ROOM BASIS. MOUNT BOTTOM AT 44" A.F.F. UNLESS OTHERWISE NOTED.
2 = 2 POLE
3 = THREE WAY
4 = FOUR WAY
- MANUAL MOTOR STARTER 30A WITHOUT OVERLOAD USED FOR MOTOR DISCONNECT.
- 4" SD. SHEET METAL JUNCTION BOX DEPTH AS REQUIRED.
- EQUIPMENT SINGLE OR THREE PHASE MOTOR HORSEPOWER NOTED.
- HEAVY DUTY DISCONNECT SWITCH.
FDS = FUSED
NFDS = NONFUSED
- EXIT LIGHT (SINGLE FACE) SEE LIGHT FIXTURE SCHEDULE.
- 3/4"x10" COPPER CLAD GROUND ROD WITH TOP EXPOSED 6" ABOVE FINISHED GRADE.
- 3/4"x10" COPPER CLAD GROUND ROD IN UAZITE #PC0608 WITH #PC0608CA00 COVER MARKED "GROUND".
- ADDRESSABLE FIRE ALARM CONTROL PANEL. EXISTING
- COMPUTER JUNCTION BOX 4" S.D. x 2-1/8" D. WITH 2 EACH 1" CONDUIT STUB-UP INTO ACCESSIBLE CEILING SPACE 12" ABOVE CEILING UNLESS OTHERWISE NOTED. PROVIDE MATCHING COVER PLATE TO WIRING DEVICES WITH ORANGE DATA JACKS. MOUNT BOTTOM AT 15" A.F.F. UNLESS OTHERWISE NOTED.
W = 44" ABOVE FINISHED FLOOR
CT = COUNTERTOP
UC = UNDER COUNTER
- CABLE TV AND DATA JUNCTION BOX 4" S.D. x 2-1/8" D. WITH 1" EACH CONDUIT STUB-UP INTO ASSESSABLE CEILING SPACE 12" ABOVE CEILING UNLESS OTHERWISE NOTED. WALL PLATE AND JACK TO MATCH WIRING DEVICES.
C = CEILING MOUNTED

3 ELECTRICAL LEGEND

SCALE: NONE

- 1 EXISTING TELEPHONE/DATA BACKBOARD. RUN 2" FROM BACKBOARD TO CEILING SPACE OF NEW BUILDING. PROVIDE PULLWIRE IN CONDUIT.
- 2 RUN ON TOP OF CANOPY AND SEAL ENTRANCES AT EACH BUILDING.
- 3 EXISTING FIRE ALARM PANEL. EXPAND SYSTEM TO COVER NEW BUILDING. SEE SHEET E-4.2.
- 4 RUN 1 EACH 2" C SPARE TO OUTSIDE OF EXISTING BUILDING FROM PANEL. HE STUB UP AND CAP FOR FUTURE.

4 KEY NOTES

SCALE: NONE

1. THE SCOPE OF WORK FOR THIS PROJECT IS REPRESENTED THROUGHOUT THESE DRAWINGS. THE CONTRACTOR SHALL REVIEW THE ARCHITECTURAL, CIVIL, STRUCTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ITEMS OF WORK TO BE INCLUDED. THE CONTRACTOR SHALL OBTAIN CLARIFICATION FROM THE ARCHITECT PRIOR TO ANY ROUGH-IN. FAILURE TO OBTAIN CLARIFICATION SHALL NOT RELIEVE THE CONTRACTOR FROM PROVIDING THE NECESSARY SERVICES AT THE REQUIRED LOCATION AT NO ADDITIONAL COST TO THE OWNER.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION, OR THE EDITION ENFORCED BY THE JURISDICTION IN WHICH THE PROJECT IS CONSTRUCTED, OF THE FOLLOWING CODES AND STANDARDS:
• THE NATIONAL ELECTRICAL CODE (NFPA 70)
• NATIONAL FIRE ALARM CODE (NFPA 72)
• LIFE SAFETY CODE (NFPA 101)
• THE INTERNATIONAL BUILDING CODE,
• THE INTERNATIONAL FIRE CODE,
• STATE AND LOCAL CODES AND ORDINANCES COMPLETE WITH ANY MODIFICATIONS TO THE ABOVE CODES.

WHERE CONFLICT BETWEEN THE CODES AND CONSTRUCTION DOCUMENTS OCCURS, THE MORE STRINGENT REQUIREMENTS WILL BE ENFORCED. ALL REQUIRED INSPECTIONS SHALL BE PERFORMED BY THE AUTHORITY HAVING JURISDICTION AND PAID FOR BY THE CONTRACTOR. CERTIFICATES OF INSPECTION SHALL BE FURNISHED TO THE ARCHITECT.

3. ALL EQUIPMENT NECESSARY FOR A COMPLETE AND OPERABLE ELECTRICAL SYSTEM SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR SHALL COORDINATE AND VERIFY THE REQUIREMENTS FOR THE CONCESSION EQUIPMENT, BEING FURNISHED UNDER THIS CONTRACT AND/OR FURNISHED AND INSTALLED BY OTHERS OUTSIDE OF THIS CONTRACT. NOTIFY ARCHITECT AND ENGINEER OF ANY DISCREPANCIES AFFECTING THE WORK.
4. APPLICATION AND INSTALLATION OF MATERIALS AND EQUIPMENT SHALL BE STRICTLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. SHOULD THERE BE ANY DIFFERENCE BETWEEN SUCH RECOMMENDATIONS AND THE REQUIREMENTS OF THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF SUCH DIFFERENCES AND OBTAIN THE ARCHITECT'S INTERPRETATION PRIOR TO INSTALLATION. DIFFERENCES BROUGHT TO THE ARCHITECT'S ATTENTION AFTER INSTALLATION SHALL BE CORRECTED TO THE ARCHITECT'S INTERPRETATION BY THE CONTRACTOR, AT THE CONTRACTOR'S EXPENSE.
5. ALL TIE-IN LOCATIONS SHOWN ARE GENERAL LOCATIONS. CONTRACTOR SHALL ESTABLISH EXACT LOCATIONS IN FIELD PRIOR TO ANY ROUGH-IN.

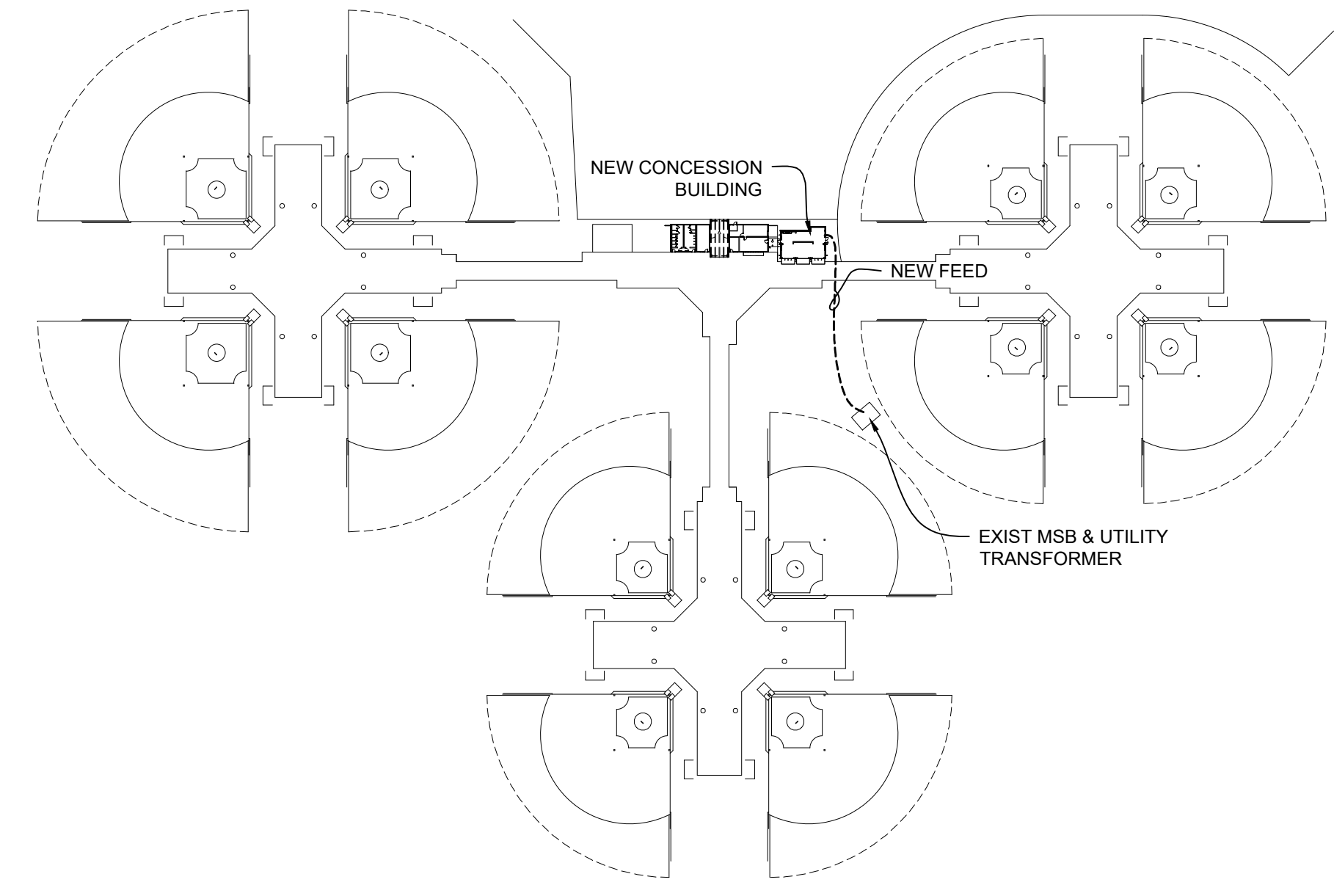
6 GENERAL ELECTRICAL NOTES

SCALE: NONE

- ME-1.0 ELECTRICAL SITE PLAN
- ME-2.0 PLUMBING PLAN
ME-2.1 PLUMBING SCHEDULES AND DETAILS
ME-2.2 PLUMBING RISERS
- ME-3.0 MECHANICAL PLAN
ME-3.1 MECHANICAL DETAILS
ME-3.2 MECHANICAL SCHEDULES
- ME-4.0 ELECTRICAL POWER AND EQUIPMENT PLANS
ME-4.1 ELECTRICAL HVAC PLAN AND PANEL SCHEDULES
ME-4.2 ELECTRICAL LIGHTING AND SPECIAL SYSTEM PLANS

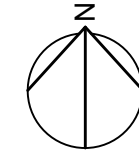
5 INDEX TO ME DRAWINGS

SCALE: NONE



2 OVERALL SITE PLAN

SCALE: 1" = 150'



UTILITY CO GAS LINE AND METER BY LOCAL UTILITY COMPANY. CONTRACTOR SHALL PAY ALL FEES ASSOCIATED WITH THE INSTALLATION OF THESE LINES AND EQUIPMENT. COORDINATE FINAL LOCATION OF METER AND UTILITY COMPANY GAS LINE STUB UP IN THE FIELD AND MAKE ADJUSTMENTS AS REQUIRED. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL REGULATORS AND ALL DOWNSTREAM PIPING.

NEW GREASE WASTE LINE TO TIE INTO EXISTING GREASE TRAP. MODIFY EXISTING PIPING INLET AS REQUIRED TO ACCOMMODATE NEW 4" LINE. VERIFY EXISTING INLET INVERT PRIOR TO ROUGH IN.

GREASE WASTE LINE FROM EXISTING ADJACENT CONCESSION BUILDING. INVERT OF EXISTING SERVICES TO BE DETERMINED IN THE FIELD. CONTRACTOR SHALL NOT ROUGH IN ANY NEW PIPING WITHOUT CONFIRMING EXISTING INVERTS. NEW INVERTS SHALL ACCOMMODATE TIE IN TO EXISTING SERVICES. ANY ISSUES FOUND SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT FOR DIRECTION.

EXISTING 500 GALLON GREASE TRAP TO REMAIN IN SERVICE. PUMP OUT ALL GREASE WASTE PRIOR TO CONSTRUCTION.

2" GAS SERVICE RUN ON TOP OF CANOPY TO ABOVE CEILING OF ADJACENT EXISTING CONCESSIONS. PROVIDE LOCKING SHUTOFF ABOVE CEILING IN ACCESSIBLE LOCATION FOR FUTURE CONNECTION BY OWNER.

EXISTING GREASE TRAP VENT LINE.

INVERT OF EXISTING SERVICES TO BE DETERMINED IN THE FIELD. CONTRACTOR SHALL NOT ROUGH IN ANY NEW PIPING WITHOUT CONFIRMING EXISTING INVERTS. NEW INVERTS SHALL ACCOMMODATE TIE IN TO EXISTING SERVICES. ANY ISSUES FOUND SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT FOR DIRECTION.

EXISTING TWO-WAY CLEANOUT.

NEW SANITARY SEWER LINE TO TIE INTO EXISTING IN THIS VICINITY. VERIFY EXISTING INVERT PRIOR TO ROUGH IN.

2" HUB DRAIN ABOVE CEILING FOR RTU-1 CONDENSATE DRAIN LINE. CONDENSATE DRAIN LINE TO PENETRATE TROUGH ROOF WITH PORTALS PLUS PIPE CURB AND DISCHARGE IN 2" HUB DRAIN ABOVE HAND WASH SINK. INSULATE PER SPECIFICATIONS.

ROUTE NEW 1-1/2" DOMESTIC COLD WATER LINE BELOW GRADE AROUND EXISTING CONCESSION BUILDING TO EXISTING 2-1/2" CONCESSION COLD WATER SUPPLY LINE. BREAK/PATCH SLAB AS REQUIRED. TIE IN SHALL BE UPSTREAM OF EXISTING CONCESSION SHUT OFF ISOLATION VALVE. VERIFY EXACT LOCATION OF EXISTING SERVICES ON SITE.

NEW GAS METER/REGULATOR AND UTILITY COMPANY GAS LINE BY LOCAL UTILITY COMPANY. ALL GAS PIPING SHALL BE PAINTED YELLOW, EXPOSED AND CONCEALED PIPING OUTSIDE AND WITHIN BUILDINGS.

ICEMAKER WATER SUPPLY WITH SHUT OFF. EXTEND DRAIN TO FLOOR DRAIN.

NEW 1-1/2" GAS LINE TO DROP DOWN EXPOSED, HOLD TIGHT TO THE WALL. COORDINATE TO AVOID CONFLICT WITH HOOD CONTROLS OFFSET AS REQUIRED. SUPPORT OFF OF FLOOR 6" AND ROUTE ALONG BACK OF KITCHEN EQUIPMENT UNDER HOOD. ROUTE 1-1/2" GAS LINE BEHIND HOOD. PROVIDE TEE WITH GAS COCK AT EACH PIECE OF GAS FIRED EQUIPMENT. VERIFY SIZE OF TAP WITH OWNER FURNISHED EQUIPMENT. PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO ALL GAS FIRED EQUIPMENT. COORDINATE LOCATION OF GAS SOLENOID SHUT OFF WITH ELECTRICAL CONTRACTOR.

FLOOR DRAIN FOR FREEZER CONDENSATE. HOLD TIGHT TO CORNER.

SHUT-OFF VALVE IN ACCESSIBLE LOCATION (TYPICAL ALL HOSE BIBBS). PROVIDE ACCESS PANEL WHERE REQUIRED.

SHUT-OFF AND BALANCING VALVES ON HOT WATER RECIRCULATING LINE. PROVIDE ACCESS PANEL AS REQUIRED. 3/4" WATER SUPPLY FOR OWNER SUPPLIED EQUIPMENT. PROVIDE SHUT OFF AND EXTEND TO EQUIPMENT AS REQUIRED.

TRENCH DRAIN BELOW COUNTER. SET EDGE OF TRENCH IN LINE WITH FRONT EDGE OF COUNTER. VERIFY IN FIELD WITH ARCHITECT.

ALL OWNER FURNISHED EQUIPMENT AND EQUIPMENT FURNISHED BY OTHERS REQUIRING DRAINS SHALL BE PIPED TO TRENCH DRAIN BELOW COUNTER. VERIFY LOCATION AND REQUIREMENTS IN THE FIELD.

WATER SUPPLY FOR OWNER SUPPLIED EQUIPMENT. PROVIDE SHUT OFF AND EXTEND TO EQUIPMENT AS REQUIRED.

1-1/2" GAS LINE TO RISE UP AND PENETRATE THROUGH ROOF WITH PORTALS PLUS PIPE CURB TO RTU-1 ON ROOF.

WATER SUPPLY FOR OWNER SUPPLIED EQUIPMENT. PROVIDE SHUT OFF AND EXTEND TO EQUIPMENT AS REQUIRED.

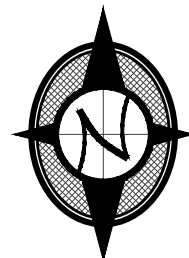
PLUMBING FLOOR PLAN

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

0 5' 1' 2' 4' 8'

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

NOTE:
THE CONTRACTOR MAY SCALE THESE DRAWINGS. HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS, PLAN SCALE, AND SITE CONDITIONS BEFORE BIDDING AND DURING CONSTRUCTION.



MECHANICAL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SANITARY SEWER LINE	A.F.G.	ABOVE FINISHED GRADE
	SANITARY SEWER VENT LINE	FD	FLOOR DRAIN
	DOMESTIC COLD WATER LINE	HD	HUB DRAIN
	DOMESTIC HOT WATER LINE (110')	FS	FLOOR SINK
	DOMESTIC HOT WATER LINE (140')	MS	MOP SINK
	HOT WATER RETURN LINE	HW	HAND WASH
	NATURAL GAS LINE (LOW PRESS.)	SK-	SINK
	UTILITY CO. GAS LINE	-C-	CONDENSATE DRAIN LINE
	GATE VALVE	-GW-	GREASE WASTE
	BALL VALVE	FCO	FLOOR CLEANOUT
	BALANCING COCK	HB-	HOSE BIBB
	UNION		
	GAS COCK		
A.F.F.	ABOVE FINISHED FLOOR		

GENERAL PLUMBING NOTES:

THE FOLLOWING IS A BRIEF DESCRIPTION OF WORK SPECIFIC TO CERTAIN ASPECTS OF THIS PROJECT. THIS IS NOT INTENDED TO BE A COMPREHENSIVE SUMMARY OF WORK. PROSPECTIVE BIDDERS/CONTRACTORS SHALL REVIEW ALL CONSTRUCTION DRAWINGS, SPECIFICATIONS AND SITE CONDITIONS AND MAKE ALLOWANCES FOR ALL WORK INCLUDED HEREIN AND ANY ADDITIONAL WORK REQUIRED TO COMPLETE THIS PROJECT.

- FURNISH AND INSTALL ALL EQUIPMENT/PLUMBING FIXTURES AS INDICATED BY THESE DRAWINGS. CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS AS REQUIRED.
- CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS OF ALL EXISTING SERVICES IN FIELD PRIOR TO MAKING ROUGH-INS.
- CONTRACTOR SHALL VERIFY THE EXISTING INVERTS OF ALL EXISTING SERVICES IN FIELD TO ASSURE THAT ALL PIPING IS RUN AT THE PROPER SLOPE.
- THE ROUTING OF ALL PIPING SHALL BE COORDINATED WITH ALL THE OTHER TRADES TO AVOID POSSIBLE CONFLICTS.
- ALL DOMESTIC WATER PIPING SHALL BE RUN ABOVE THE CEILING AND/OR CONCEALED IN WALLS UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL COORDINATE SPACE REQUIREMENTS AND SERVICE CLEARANCES FOR ALL EQUIPMENT PRIOR TO SUBMITTING SHOP DRAWINGS.
- CONTRACTOR SHALL CONSOLIDATE VENTS TO MINIMIZE PENETRATIONS THROUGH ROOF. DO NOT PENETRATE VENTS WITHIN 10FT OF HVAC FRESH AIR INTAKES. COORDINATE WITH MECHANICAL CONTRACTOR.
- AT EACH FIXTURE OR GROUP OF FIXTURES (WITHIN SAME CHASE), FURNISH AND INSTALL A 12" HIGH AIR CHAMBER OF SAME SIZE AS BRANCH FEED LINE. PROVIDE "SHOCK ARRESTOR" AT ALL FIXTURES WITH QUICK CLOSING VALVES SUCH AS FLUSH VALVES, ETC.
- PROVIDE CHROME PLATED BRASS ESCUTCHEONS WHERE PIPES PENETRATE FINISHED SURFACES.
- CONTRACTOR SHALL SEAL ALL PENETRATIONS THROUGH EXTERIOR WALLS WEATHER TIGHT. SEALANT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER.
- NO WATER OR DRAIN LINES MAY BE RUN ABOVE ELECTRICAL PANELS OR COMMUNICATION PANELS. COORDINATE WITH ELECTRICAL PLANS AND OFFSET PIPING IN THE FIELD AS REQUIRED.
- PROVIDE REGULATOR AT EACH PIECE OF NEW GAS FIRED EQUIPMENT.

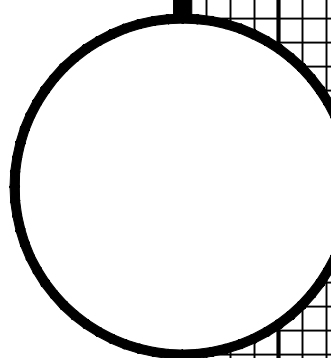
BRIEF PROJECT SCOPE:

THE FOLLOWING IS A BRIEF DESCRIPTION OF WORK SPECIFIC TO CERTAIN ASPECTS OF THIS PROJECT. THIS IS NOT INTENDED TO BE A COMPREHENSIVE SUMMARY OF WORK. PROSPECTIVE BIDDERS/CONTRACTORS SHALL REVIEW ALL CONSTRUCTION DRAWINGS, SPECIFICATIONS AND SITE CONDITIONS AND MAKE ALLOWANCES FOR ALL WORK INCLUDED HEREIN AND ANY ADDITIONAL WORK REQUIRED TO COMPLETE THIS PROJECT.

- THE CONTRACTOR SHALL VISIT THE PROJECT SITE TO DETERMINE THE EXACT CONDITIONS WHICH WILL AFFECT THE SCOPE OF HIS WORK. THE CONTRACTOR SHALL INCLUDE ALL LABOR AND MATERIALS IN HIS WORK AS REQUIRED TO INSTALL WORK SHOWN ON THIS PLAN.
- THE CONTRACTOR SHALL REVIEW THE PLUMBING PLANS TO DETERMINE THE EXTENT OF THE WORK REQUIRED TO INSTALL THE SYSTEM(S) AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL REALIZE THAT THE PLANS ARE DIAGRAMMATIC AND AS SUCH THE CONTRACTOR SHALL INSTALL ALL SYSTEMS COMPLETE AS RECOMMENDED BY THE MANUFACTURERS OF PLUMBING FIXTURES AND EQUIPMENT. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND MATERIAL/EQUIPMENT SUBMITTALS PER THE SPECIFICATIONS.
- WHEN QUESTIONS ARISE DURING THE PROJECT THE CONTRACTOR SHALL SUBMIT A REQUEST FOR INFORMATION (RFI). THE CONTRACTORS SHOULD REALIZE THAT RFI'S CANNOT AND WILL NOT BE ANSWERED INSTANTLY DUE TO THE TIME OF ROUTING FROM THE POINT OF THE QUESTION TO THE POINT OF THE ANSWER AND BACK (MINIMUM OF 14 WORKING DAYS). THEREFORE RFI'S SHOULD BE SENT WHEN THE QUESTION IS NOT TIME SENSITIVE. TIME SENSITIVE QUESTIONS SHOULD BE HANDLED BY PHONE CALL FOR IMMEDIATE RESPONSE AND FOLLOWED WITH APPROPRIATE DOCUMENTATION OF THE QUESTION AND ANSWER GIVEN.
- THE SUB-CONTRACTOR(S) FOR THE PLUMBING SYSTEMS SHALL SUBMIT ALL SHOP DRAWINGS PER THE SPECIFICATIONS IN DIVISION 22 GENERAL PROVISIONS SECTION. ALL SHOP DRAWINGS SHALL BE SUBMITTED WITHIN 30 DAYS OF THE GENERAL CONTRACTOR RECEIVING THE CONTRACTORS CONTRACT FROM THE OWNER. SUBMITTALS TAKE APPROXIMATE 30 WORKING DAYS FOR REVIEW AND RETURN BACK TO THE SUBMITTING SUB-CONTRACTOR. ON LONG LEAD TIME, EQUIPMENT SUBMITTAL, THE SUBMITTALS WILL BE EXPEDITED BY SPECIAL PROCEDURE TO BE DETERMINED AT TIME OF SUBMITTAL.
- THE SUB-CONTRACTOR SHALL BE AWARE THAT PAINTING OF PIPE AND EQUIPMENT IS CALLED FOR IN THE PLANS AND IN THE SPECIFICATIONS. IT IS THE RESPONSIBILITY OF THE SUB-CONTRACTORS INSTALLING THE SYSTEMS ON THESE PLANS TO HAVE THE PAINTING PROVIDED. REFER TO SPECIFICATIONS.
- THE SUB-CONTRACTORS FOR THE SYSTEMS ON THESE PLANS SHALL BE RESPONSIBLE FOR COORDINATION WITH ALL TRADES AND TO AVOID CONFLICT. COORDINATE ALL ELECTRICAL REQUIREMENTS PRIOR TO MAKING THE SHOP DRAWING SUBMITTALS. WHEN CONFLICTS OCCUR AND THE CONFLICT IS NOT RESOLVED BY THE GENERAL CONTRACTOR OR BETWEEN THE SUB-CONTRACTORS, THE ARCHITECT/ENGINEER SHALL ADVISE ON THE RESOLUTION OF THE CONFLICT WITHOUT ADDITIONAL COST TO THE OWNER. CONFLICTS ARE AVOIDED BY PROPER COORDINATION OF WORK.

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DATE SIGNED
12/31/2019
REGISTRATION
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FORD PARK

SET NO.

SHEET NUMBER
ME-2.0
FILENAME

DRAWN BY
ABS
PROJECT NUMBER
15036
DOCUMENT RELEASE DATE

BIDS & CONSTRUCTION - 3/19/19

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0 1/8" Divisions 1" Graphic Scale 2" 1/10" Divisions 3"

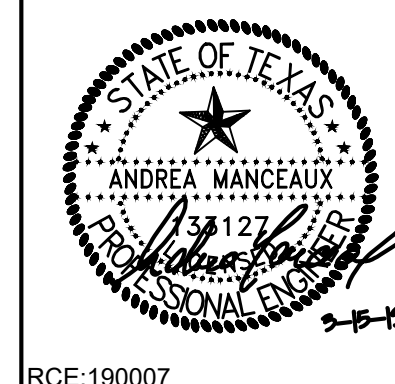
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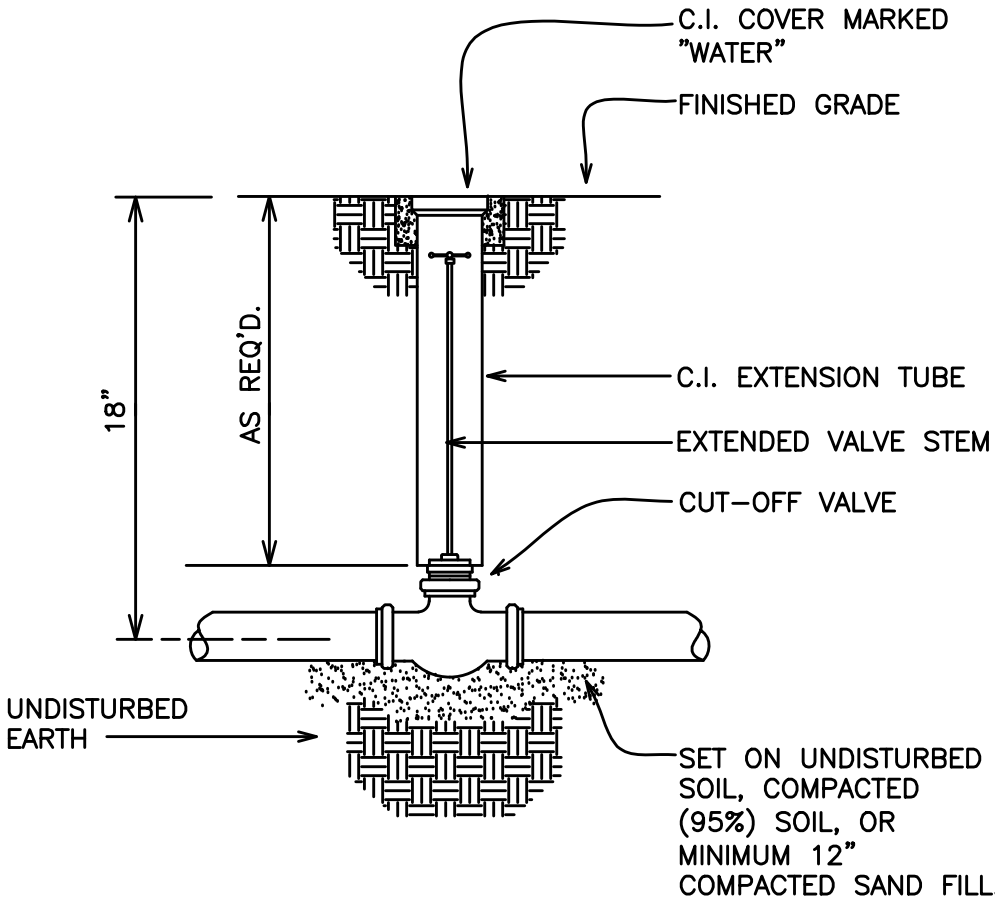


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PLUMBING FIXTURE SCHEDULE

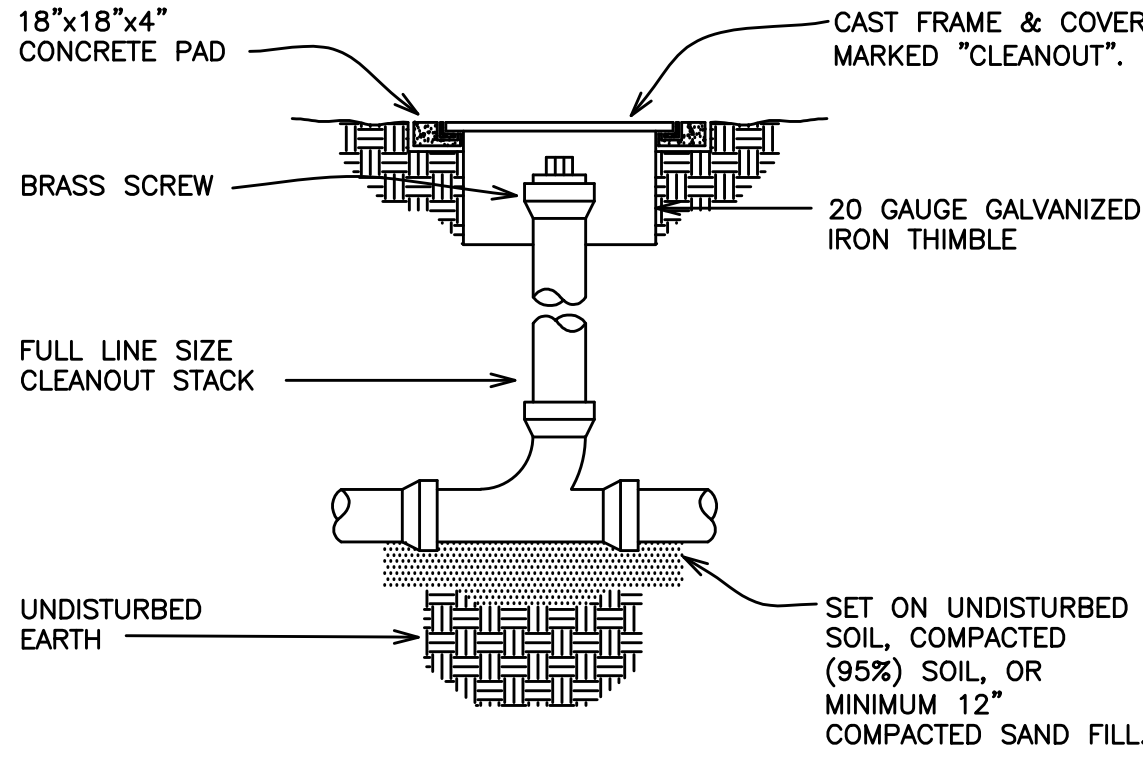
NO.	FIXTURE	PIPE SIZE					A.D.A. COMPLIANT	REMARKS
		TRAP	WASTE	VENT	C.W.	H.W.		
FD-A	AREA DRAIN	3"	3"	2"	----	----	----	ZURN Z415B FLOOR DRAIN, FURNISH WITH 6" ROUND TOP, FLANGE, INT. REVERSIBLE CLAMPING COLLAR AND NICKEL BRONZE STRAINER. TOP SHALL BE FLUSH WITH FINISHED FLOOR. COORDINATE WITH ARCHITECTURAL PLANS FOR FLOORING REQUIREMENTS. FURNISH WITH TRAP PRIMER CONNECTION.
FD-B	INDIRECT WASTE DRAIN	3"	3"	2"	----	----	----	ZURN Z415I FLOOR DRAIN WITH RAISED FLANGE. FURNISH WITH 6" ROUND TOP, FLANGE, INT. REVERSIBLE CLAMPING COLLAR AND NICKEL BRONZE STRAINER. PROVIDE 1" AIR GAP AT EQUIPMENT DRAIN DISCHARGE. SET TOP OF EXTENDED RIM FLUSH WITH FINISHED FLOOR. FURNISH WITH TRAP PRIMER CONNECTION.
FS	FLOOR SINK	3"	3"	2"	----	----	----	ZURN Z1910 12"x12"x8" CAST IRON FLOOR SINK. FURNISH WITH TRAP PRIMER CONNECTION, A.R.E. INTERIOR, ALUMINUM DOME STRAINER AND NICKEL BRONZE FRAME. TOP OF DRAIN SHALL BE FLUSH WITH FINISHED FLOOR. PROVIDE INDIRECT CONNECTION AT DISCHARGE TO FLOOR SINK. FURNISH WITH FULL GRATE WITH SQUARE CENTER OPENING. EXTEND DRAIN LINES FROM OWNER FURNISHED EQUIPMENT AS REQUIRED.
MS	MOP SINK	3"	3"	2"	3/4"	3/4"	----	SINK AND FAUCET FURNISHED BY OWNER SET IN PLACE BY PLUMBING CONTRACTOR. PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO EQUIPMENT. CONTRACTOR SHALL FURNISH ALL PIPING/VALVES, ETC REQUIRED FOR A COMPLETE INSTALLATION. FURNISH WITH ASSE 1070 TEMPERATURE CONTROL DEVICE TO CONTROL DOMESTIC HOT WATER TEMPERATURE TO 105°F.
HB-A	HOSE BIBB	----	----	----	3/4"	----	----	ZURN Z1335 BOX TYPE WALL HYDRANT WITH VACUUM BREAKER AND METAL WHEEL HANDLE. COORDINATE BOX FINISH WITH ARCHITECT.
WH-A	TANKLESS GAS WATER HEATER	----	----	----	3/4"	3/4"	----	WATER HEATER FURNISHED BY OWNER, INSTALLED BY PLUMBING CONTRACTOR. PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS. FURNISH WITH P/T RELIEF VALVE AND PIPE PER MANUFACTURERS INSTALLATION INSTRUCTIONS. EXTEND FLUE THROUGH ROOF TO EXTERIOR. CONTRACTOR SHALL BE RESPONSIBLE FOR DISCONNECTING AND RELOCATING WATER HEATER FROM ITS EXISTING LOCATION, COORDINATE WITH OWNER.
HW	HANDWASH	1-1/2"	2"	2"	1/2"	1/2"	YES	SINK AND FAUCET FURNISHED BY OWNER SET IN PLACE BY PLUMBING CONTRACTOR. PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO EQUIPMENT. CONTRACTOR SHALL FURNISH WITH CAST BRASS P/TRAP, 3/8" ANGLE STOPS, ESCUTCHEONS, ETC REQUIRED FOR A COMPLETE INSTALLATION. FURNISH WITH ASSE 1070 TEMPERATURE CONTROL DEVICE TO CONTROL DOMESTIC HOT WATER TEMPERATURE TO A MAX OF 105°F. SET AT HEIGHT PER ARCHITECTURAL PLANS.
C-A	HOT WATER RECIRC PUMP	----	----	----	----	3/4"	----	BELL AND GOSSETT NBF-25 LEAD FREE WET ROTOR CIRCULATOR OR APPROVED EQUAL WITH AUTOMATIC TIMER KIT AND ADJASTAT AND CHECK-TROL FLOW CONTROL FLANGE KIT, 120-1-60 ELECTRICAL SERVICE. UNIT SHALL PRODUCE A MINIMUM OF 1.0 GPM AT 15 FT OF HEAD.
MV-A	MIXING VALVE	----	----	----	1"	1"	----	LEONARD, POWERS OR APPROVED EQUAL THERMOSTATIC MIXING VALVE IN STAINLESS STEEL BOX WITH BALL VALVE AND DIAL THERMOMETER SET TO MAINTAIN DESIRED WATER TEMPERATURE, 0.5 GPM MINIMUM FLOW CAPACITY AND ASSE 1017 CERTIFIED. STARTUP FROM MANUFACTURER APPROVED TECHNICIAN FOR ALL MIXING VALVES.
SK-A	3 COMPARTMENT SINK	----	3"	----	3/4"	3/4"	NO	SINK AND FAUCET FURNISHED BY OWNER SET IN PLACE BY PLUMBING CONTRACTOR. PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO EQUIPMENT. CONTRACTOR SHALL FURNISH WITH CAST BRASS P/TRAP, 3/8" ANGLE STOPS, ESCUTCHEONS, ETC REQUIRED FOR A COMPLETE INSTALLATION. FURNISH WITH ASSE 1070 TEMPERATURE CONTROL DEVICE TO CONTROL DOMESTIC HOT WATER TEMPERATURE TO OWNER DESIRED OUTPUT TEMPERATURE. DISCHARGE AT FLOOR SINK WITH AIR GAP.
TP-1	WATER SAVER TRAP PRIMER	----	----	----	1/2"	----	----	PPP INC PR-500 TRAP PRIMER ASSEMBLY WITH DU DISTRIBUTION UNIT. EXTEND 1/2" TRAP PRIMER LINE TO FLOOR DRAIN AS INDICATED. CAP ANY UNUSED OUTLETS.
TP-2	ELECTRIC TRAP PRIMER	----	----	----	1/2"	----	----	PPP INC, PTS-4 PRIME-TIME ELECTRONIC TRAP PRIMER, 120-1-60 ELECTRIC SERVICE. FURNISH WITH AIR GAP FITTING AND DU DISTRIBUTION UNIT TO SERVE UP TO (5) FLOOR DRAINS. CAP ANY UNUSED OUTLETS.
TD	TRENCH DRAIN	3"	3"	2"	----	----	----	WADE "2920" CAST IRON MULTIPLE SECTION TRENCH DRAIN WITH INSIDE CAULK OUTLET AND FLANGE. FURNISH WITH SPECIAL DUTY (OVER 10,000 LBS) DUCTILE IRON LOOSE SET GRATES AND END CAPS. ALT. TRENCH DRAIN MANUFACTURER: J.R. SMITH. TOTAL LENGTH: 45FT.

- NOTES:
1. INSULATE ALL EXPOSED P-TRAPS AND ANGLE SUPPLIES ON HANDICAPPED LAVATORIES AND SINKS WITH TRUEBRO HANDI LAV-GUARD OR EQUAL.
 2. PROVIDE AND INSTALL PISTON TYPE WATER HAMMER ARRESTORS AT ALL DOMESTIC WATER STUB-OUTS.
 3. PROVIDE AND INSTALL 6" DEEP SEAL P-TRAPS FOR ALL FLOOR DRAINS, HUB DRAINS AND FLOOR SINKS.
 4. ALL PLUMBING FIXTURES THAT REQUIRE VACUUM BREAKERS SUCH AS SERVICE SINKS, HOSE BIBBS, AND/OR SPECIAL EQUIP. SHALL BE SO EQUIPPED.
 5. ALL HANDICAPPED PLUMBING FIXTURES SHALL BE SET TO "ADA" HEIGHT REQUIREMENTS. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT HEIGHTS.
 6. ALL WATER HEATERS WITH 200,000 BTUH INPUT OR GREATER SHALL HAVE AN "A.S.M.E." RATED TANK.
 7. CONTRACTOR SHALL VERIFY THAT ALL WATER HEATERS SHALL FIT IN THE SPACE PROVIDED AND THAT THE MANUF. RECOMMENDED SERVICE CLEARANCES ARE MAINTAINED.
 8. PLUMBING CONTRACTOR SHALL CONFIRM ALL WATER AND DRAIN REQUIREMENTS FOR OWNER FURNISHED EQUIPMENT PRIOR TO ROUGH IN. EXTEND SERVICES AS REQUIRED.



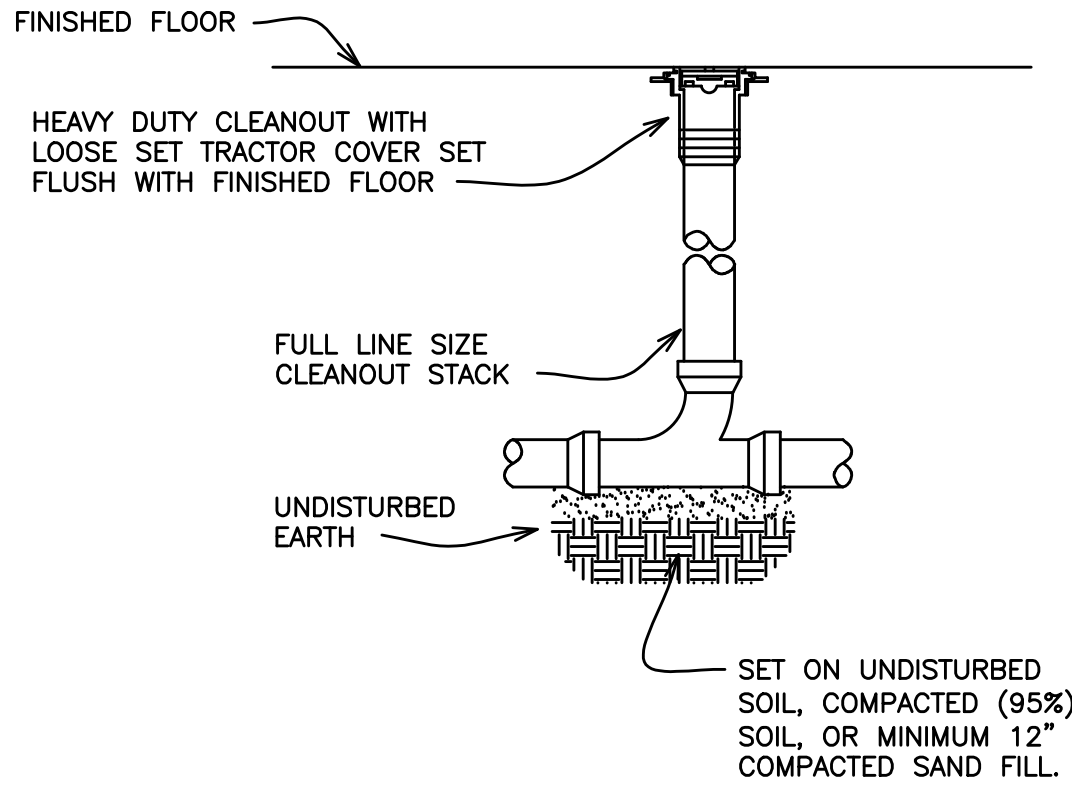
2 VALVE BOX DETAIL

NO SCALE



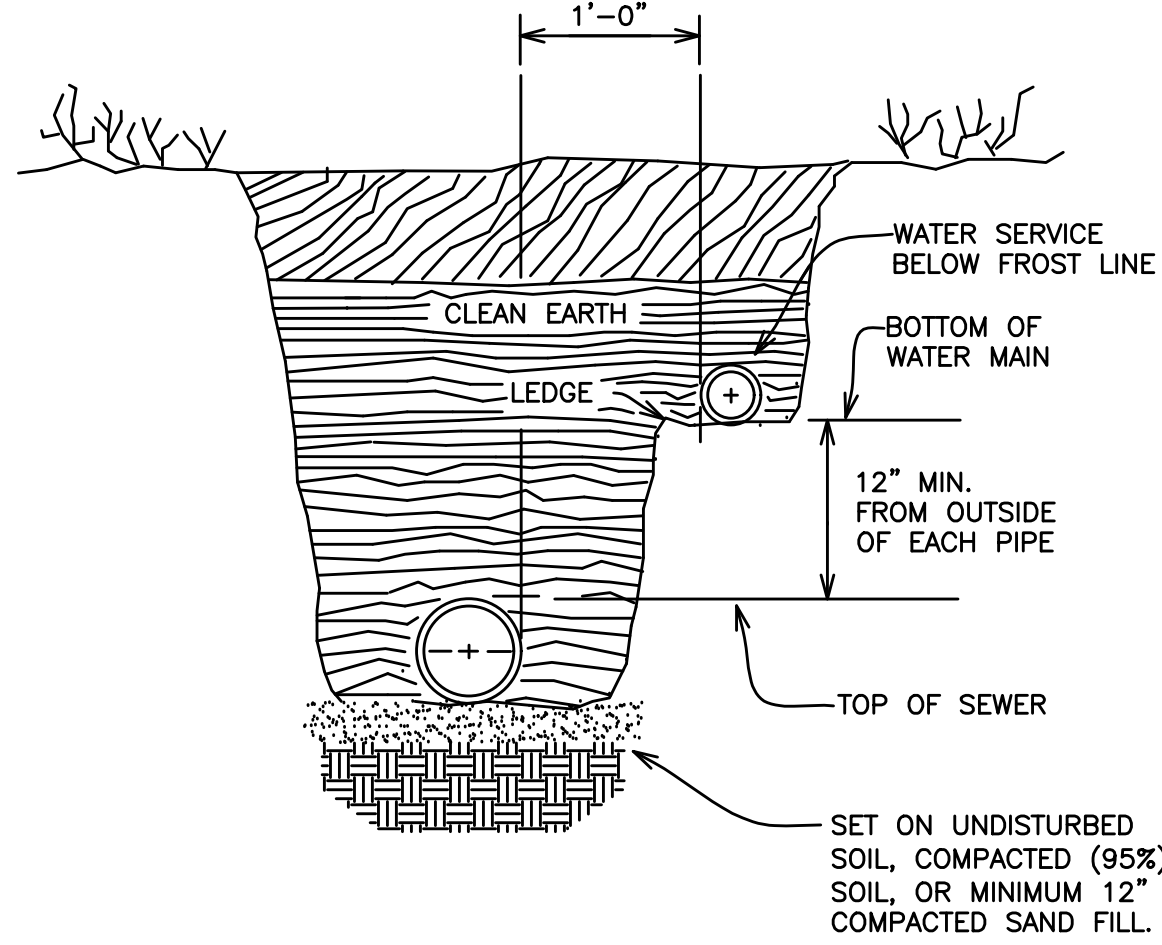
3 OUTSIDE CLEANOUT DETAIL

NO SCALE



4 FLOOR CLEANOUT DETAIL

NO SCALE

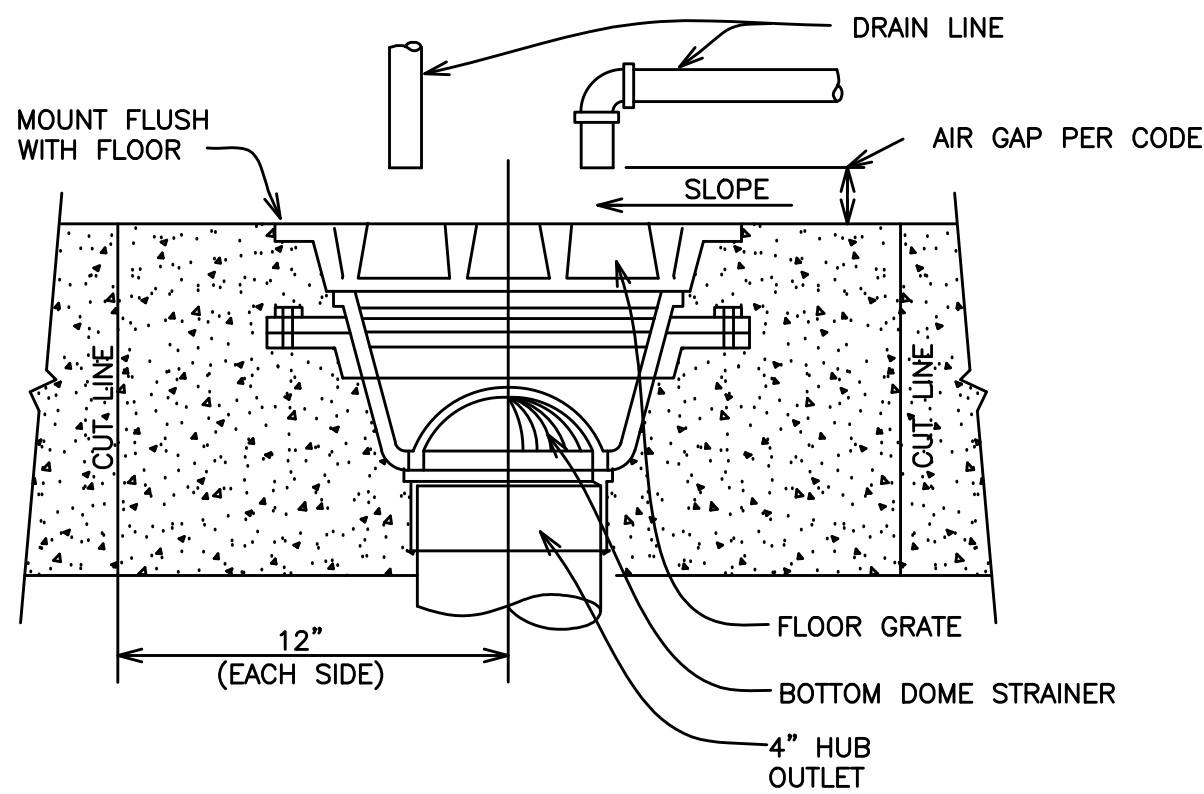


5 PIPE TRENCH DETAIL

NO SCALE

1 PLUMBING SCHEDULE

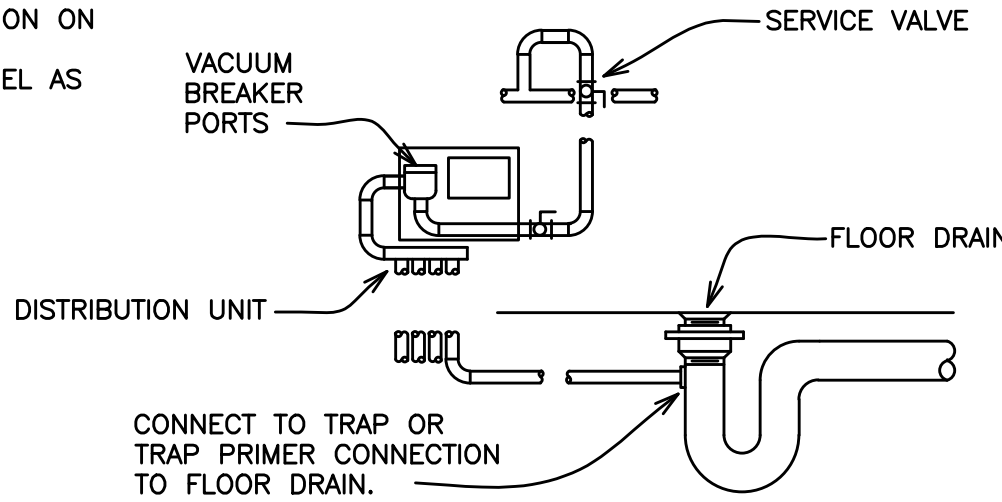
NO SCALE



6 FLOOR SINK DETAIL

NO SCALE

- NOTES:
1. MINIMUM 12" OFF FLOOR.
 2. TRAP PRIMER LINE CONTINUOUS SLOPE TO DRAIN.
 3. INSTALL VALVE LEVEL.
 4. SHUT-OFF VALVE ON INLET AND UNION CONNECTION ON OUTLET SIDE.
 5. PROVIDE ACCESS PANEL AS REQUIRED.



8 COLD WATER TRAP PRIMER DETAIL

NO SCALE

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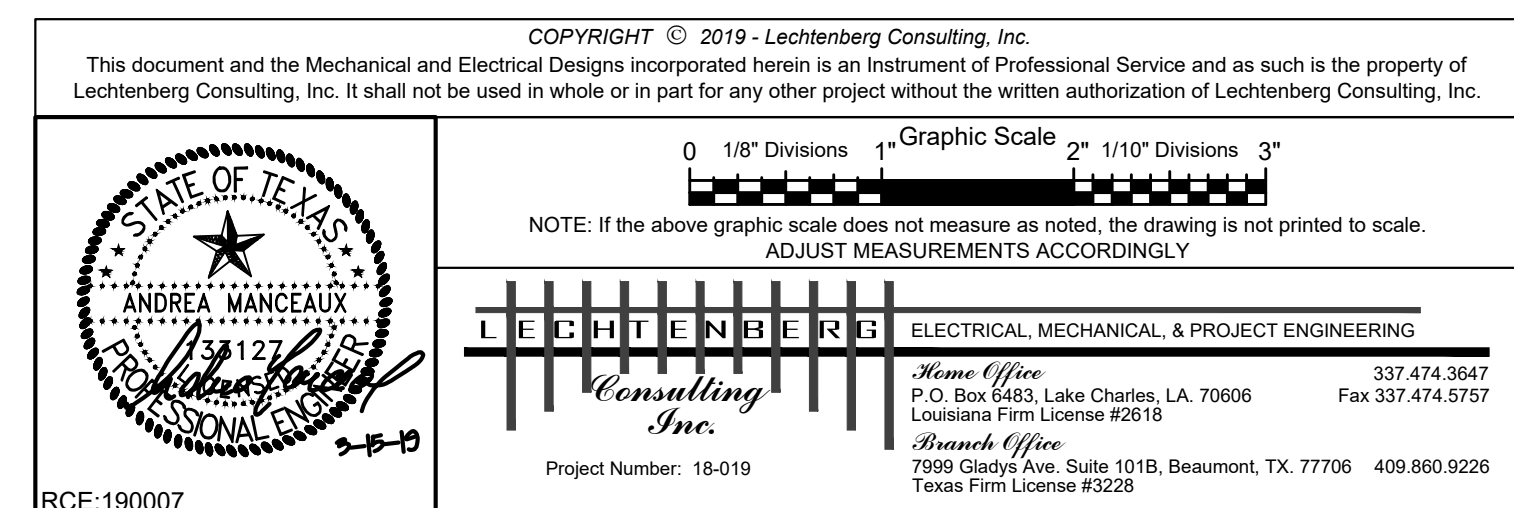
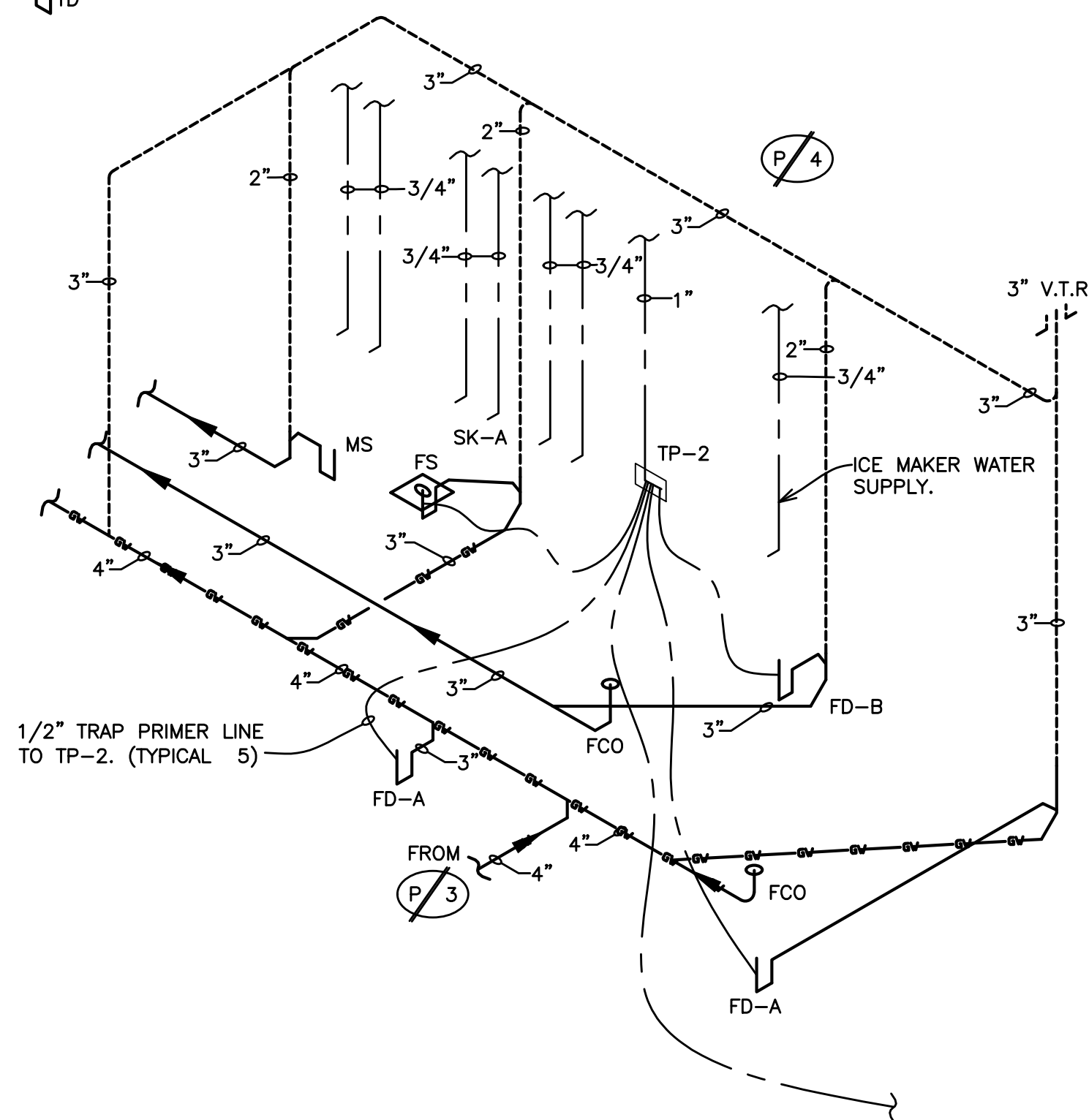
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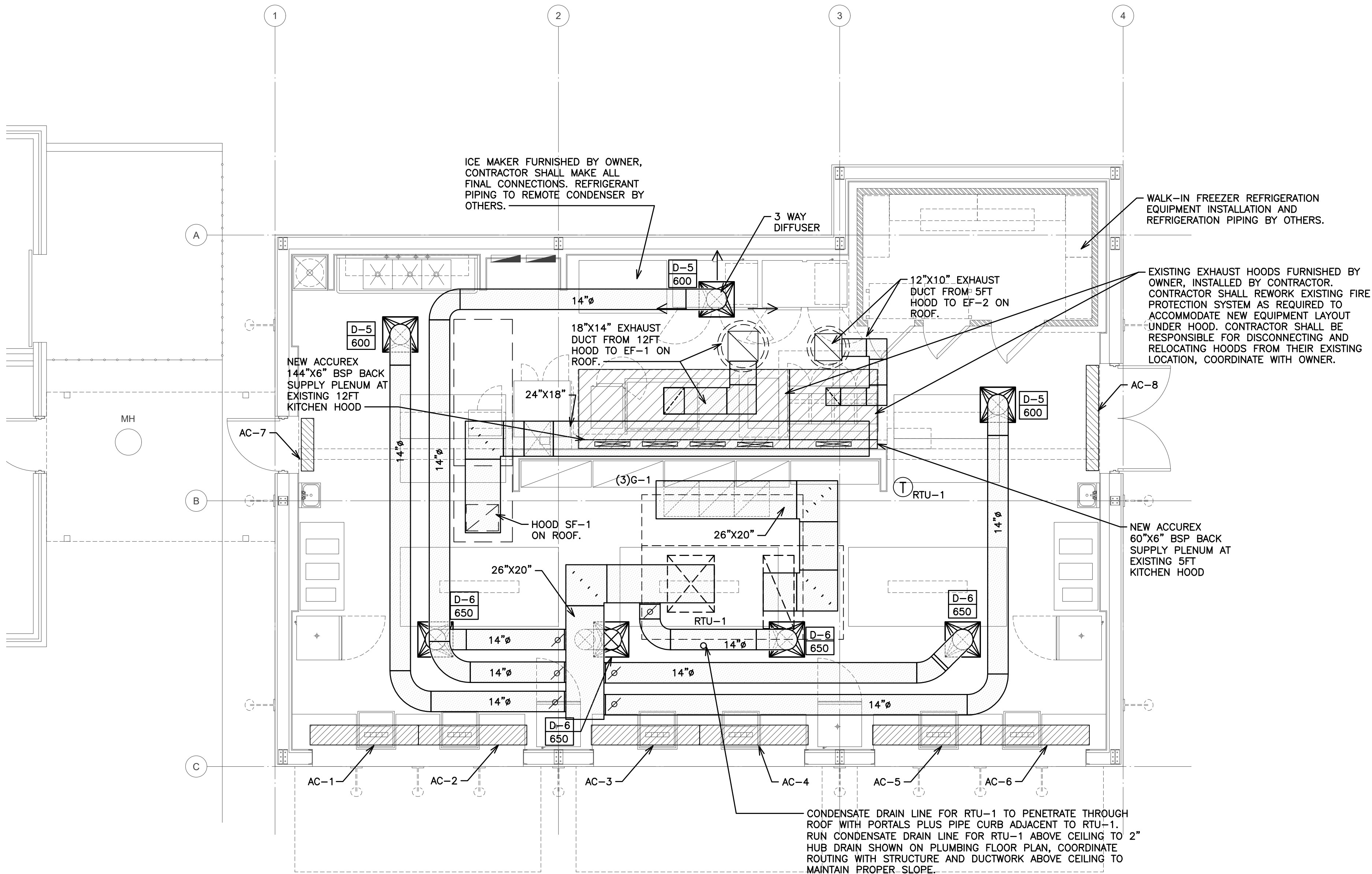
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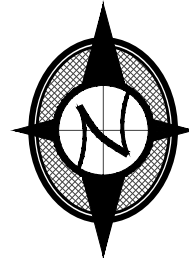
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MECHANICAL FLOOR PLAN
SCALE: 1/4" = 1'-0"
0' 5' 1' 2' 4' 8'
GRAPHIC SCALE: 1/4"=1'-0"
NOTE:
THE CONTRACTOR MAY SCALE THESE DRAWINGS.
HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR
VERIFICATION OF ALL DIMENSIONS, PLAN SCALE, AND SITE
CONDITIONS BEFORE BIDDING AND DURING CONSTRUCTION.



MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
Ⓘ	THERMOSTAT
Ⓢ	REMOTE SENSOR

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STATE OF TEXAS
ANDREA MANCENAU
Professional Engineer
13121
Professional Seal

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MECHANICAL GENERAL NOTES:

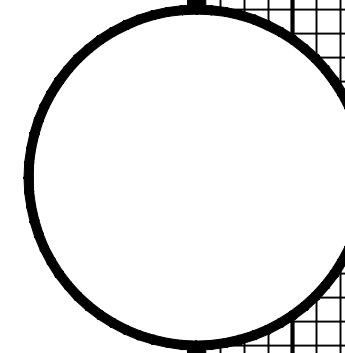
- THE FOLLOWING IS A BRIEF DESCRIPTION OF WORK SPECIFIC TO CERTAIN ASPECTS OF THIS PROJECT. THIS IS NOT INTENDED TO BE A COMPREHENSIVE SUMMARY OF WORK. PROSPECTIVE BIDDERS/CONTRACTORS SHALL REVIEW ALL CONSTRUCTION DRAWINGS, SPECIFICATIONS AND SITE CONDITIONS AND MAKE ALLOWANCES FOR ALL WORK INCLUDED HEREIN AND ANY ADDITIONAL WORK REQUIRED TO COMPLETE THIS PROJECT MEANS AND METHODS FOR THE PROPER INSTALLATION OF THIS WORK IS STRICTLY THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND HIS SUB-CONTRACTORS.
- MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE ROUTING OF ALL DUCTWORK WITH THE STRUCTURE AND OTHER TRADES AS CONDITIONS ALLOW. RE-ROUTE DUCTWORK AS NECESSARY TO AVOID CONFLICT. TRANSITION UP/DOWN TO AVOID OTHER TRADES AS NECESSARY.
 - INSTALL AT EACH DUCT TAKEOFF AN ADJUSTABLE VOLUME DAMPER IN AN ACCESSIBLE LOCATION.
 - CONTRACTOR SHALL COORDINATE SPACE REQUIREMENTS AND SERVICE CLEARANCES FOR ALL EQUIPMENT PRIOR TO SUBMITTING SHOP DRAWINGS.
 - MECHANICAL CONTRACTOR SHALL PROCURE THE SERVICES OF AN INDEPENDENT AABC, TABB OR NEBB CERTIFIED TEST AND BALANCE AGENCY. TAB AGENCY SHALL PERFORM AN INITIAL SMOKE/ PRESSURE LEAK TEST ON ALL DUCTWORK ONCE ALL SHEETMETAL DUCTWORK HAS BEEN INSTALLED. A FINAL BALANCE REPORT OF ALL HVAC SYSTEMS (INCLUDING SUPPLY/ RETURN TRAVERSES) AND EXHAUST FANS SHALL BE PROVIDED TO ARCHITECT/ ENGINEER UPON COMPLETION OF PROJECT. ALL REPORTS SHALL MEET AABC/NEBB STANDARDS. REFER TO SPECIFICATIONS FOR COMPLETE TEST AND BALANCE REQUIREMENTS.
 - COORDINATE FRESH AIR INLETS WITH EXHAUST OUTLETS AND PLUMBING VENTS TO MAINTAIN A 10'-0" SEPARATION.
 - TRANSITION SUPPLY AND RETURN DUCTWORK TO FANS AND ROOFTOP UNITS WITH SMOOTH TRANSITIONS PER SMACNA STANDARDS AS NECESSARY. DUCTWORK CONNECTIONS TO EQUIPMENT SHALL BE MADE WITH FLEXIBLE CONNECTIONS.
 - ALL EXPOSED PIPING, DUCTS, HANGERS, SUPPORTS, ETC RUN THROUGH FINISHED SPACES OR EXPOSED AT EXTERIOR SHALL BE PRIMED AND PAINTED COLOR AS SELECTED BY ARCHITECT.
 - FURNISH AND INSTALL ACCESS PANELS WHERE VALVES, DAMPERS, EQUIPMENT, ETC. ARE CONCEALED OR INACCESSIBLE. ACCESS PANELS SHALL BE PRIMED AND PAINTED COLOR AS SELECTED BY ARCHITECT.
 - ALL CONCEALED HVAC DUCTWORK SHALL BE GALVANIZED STEEL, GAUGE PER SMACNA GUIDELINES. SNAP LOCK PIPE IS ACCEPTABLE. SEAL ALL SEAMS AND JOINTS WITH MASTIC. FLEX DUCT SHALL BE LIMITED TO 5FT, REFERS TO SPECIFICATIONS.
 - PROVIDE ONE SET OF CLEAN FILTERS AT COMPLETION OF PROJECT PRIOR TO TURNING OVER TO OWNER. CONSTRUCTION FILTERS SHALL BE USED DURING DURATION OF PROJECT TO PROTECT DUCTWORK AND EQUIPMENT. DO NOT OPERATE EQUIPMENT UNLESS BUILDING HAS BEEN THOROUGHLY CLEANED.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING SUBMITTAL PACKAGE (INCLUDING CHECK) FOR KITCHEN HOOD SUBMITTAL TO THE STATE FIRE MARSHAL. SUBMIT THROUGH PROFESSIONAL OF RECORD (MECHANICAL ENGINEER).
 - ALL KITCHEN HOOD EXHAUST DUCTWORK SHALL BE 16 GAUGE BLACK IRON WITH WELDED SEAMS AND JOINTS PER NFPA 96. INSULATE EXHAUST DUCT FOR 0" CLEARANCE TO COMBUSTIBLES.
 - COORDINATE ALL ROOF PENETRATIONS WITH ROOFING CONTRACTOR FOR A WATERTIGHT INSTALLATION.
 - DUCTWORK SHALL RUN WITHIN STRUCTURE WHERE THERE IS SPACE AVAILABLE WHEN CROSSING OVER OTHER DUCTWORK.

BRIEF PROJECT SCOPE:

- THE FOLLOWING IS A BRIEF DESCRIPTION OF WORK SPECIFIC TO CERTAIN ASPECTS OF THIS PROJECT. THIS IS NOT INTENDED TO BE A COMPREHENSIVE SUMMARY OF WORK. PROSPECTIVE BIDDERS/CONTRACTORS SHALL REVIEW ALL CONSTRUCTION DRAWINGS, SPECIFICATIONS AND SITE CONDITIONS AND MAKE ALLOWANCES FOR ALL WORK INCLUDED HEREIN AND ANY ADDITIONAL WORK REQUIRED TO COMPLETE THIS PROJECT.
- THE CONTRACTOR SHALL VISIT THE PROJECT SITE TO DETERMINE THE EXACT CONDITIONS WHICH WILL AFFECT THE SCOPE OF HIS WORK. THE CONTRACTOR SHALL INCLUDE ALL LABOR AND MATERIALS IN HIS WORK AS REQUIRED TO INSTALL WORK SHOWN ON THIS PLAN.
 - THE CONTRACTOR SHALL REVIEW THE MECHANICAL PLANS (HVAC) TO DETERMINE THE EXTENT OF THE WORK REQUIRED TO INSTALL THE HVAC SYSTEM(S) AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL REALIZE THESE PLANS ARE DIAGRAMMATIC AND AS SUCH INSTALL ALL SYSTEM(S) COMPLETE, WHERE INDICATED ON THE PLANS, THE PLANS ATTEMPT TO SHOW ALL CONDITIONS FOR INSTALLATION, HOWEVER, THE CONTRACTOR SHALL ACCOMMODATE ALL CONDITIONS WHICH AFFECT THE INSTALLATION WHETHER OR NOT SHOWN. THE CONTRACTOR SHALL SUBMIT EQUIPMENT SUBMITTALS FOR REVIEW FOR ORDERING PURPOSES AND SHALL SUBMIT INSTALLATION SUBMITTAL DRAWINGS, FOR ALL EQUIPMENT SHOWING THE CONDITIONS OF INSTALLATION PER ALL DRAWINGS AND TRADE.
 - WHEN QUESTIONS ARISE DURING THE PROJECT THE CONTRACTOR SHALL SUBMIT A REQUEST FOR INFORMATION (RFI). THE CONTRACTORS SHOULD REALIZE THAT RFI'S CANNOT AND WILL NOT BE ANSWERED INSTANTLY DUE TO THE TIME OF ROUTING FROM THE POINT OF THE QUESTION TO THE POINT OF THE ANSWER AND BACK (MINIMUM OF 14 WORKING DAYS). THEREFORE RFI'S SHOULD BE SENT WHEN THE QUESTION IS NOT TIME SENSITIVE. TIME SENSITIVE QUESTIONS SHOULD BE HANDLED BY PHONE CALL FOR IMMEDIATE RESPONSE AND FOLLOWED WITH APPROPRIATE DOCUMENTATION OF THE QUESTION AND ANSWER GIVEN.
 - THE SUB-CONTRACTOR(S) FOR THE MECHANICAL SYSTEMS SHALL SUBMIT ALL SHOP DRAWINGS PER THE MECHANICAL SPECIFICATIONS IN DIVISION 23 GENERAL PROVISIONS SECTION. ALL SHOP DRAWINGS SHALL BE SUBMITTED WITHIN 30 DAYS OF THE GENERAL CONTRACTOR RECEIVING THE CONTRACTORS CONTRACT FROM THE OWNER (EXCEPT DUCTWORK SHOP DRAWINGS-45 DAYS). SUBMITTALS TAKE APPROXIMATE 30 WORKING DAYS FOR REVIEW AND RETURN BACK TO THE SUBMITTING SUB-CONTRACTOR. ON LONG LEAD TIME, EQUIPMENT SUBMITTAL, THE SUBMITTALS WILL BE EXPEDITED BY SPECIAL PROCEDURE TO BE DETERMINED AT TIME OF SUBMITTAL.
 - THE SUB-CONTRACTOR SHALL BE AWARE THAT PAINTING OF PIPE AND EQUIPMENT IS CALLED FOR IN THE PLANS AND IN THE SPECIFICATIONS. IT IS THE RESPONSIBILITY OF THE SUB-CONTRACTORS INSTALLING THE SYSTEMS ON THESE PLANS TO HAVE THE PAINTING PROVIDED. REFER TO SPECIFICATIONS.
 - THE SUB-CONTRACTORS FOR THE SYSTEMS ON THESE PLANS SHALL BE RESPONSIBLE FOR COORDINATION WITH ALL TRADES AND TO AVOID CONFLICT. COORDINATE ALL ELECTRICAL REQUIREMENTS PRIOR TO MAKING THE SHOP DRAWING SUBMITTALS. WHEN CONFLICTS OCCUR AND THE CONFLICT IS NOT RESOLVED BY THE GENERAL CONTRACTOR OR BETWEEN THE SUB-CONTRACTORS, THE ARCHITECT/ENGINEER SHALL ADVISE ON THE RESOLUTION OF THE CONFLICT WITHOUT ADDITIONAL COST TO THE OWNER. CONFLICTS ARE AVOIDED BY PROPER COORDINATION OF WORK.

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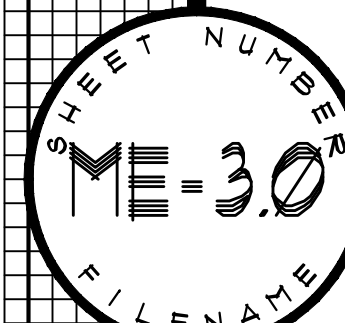


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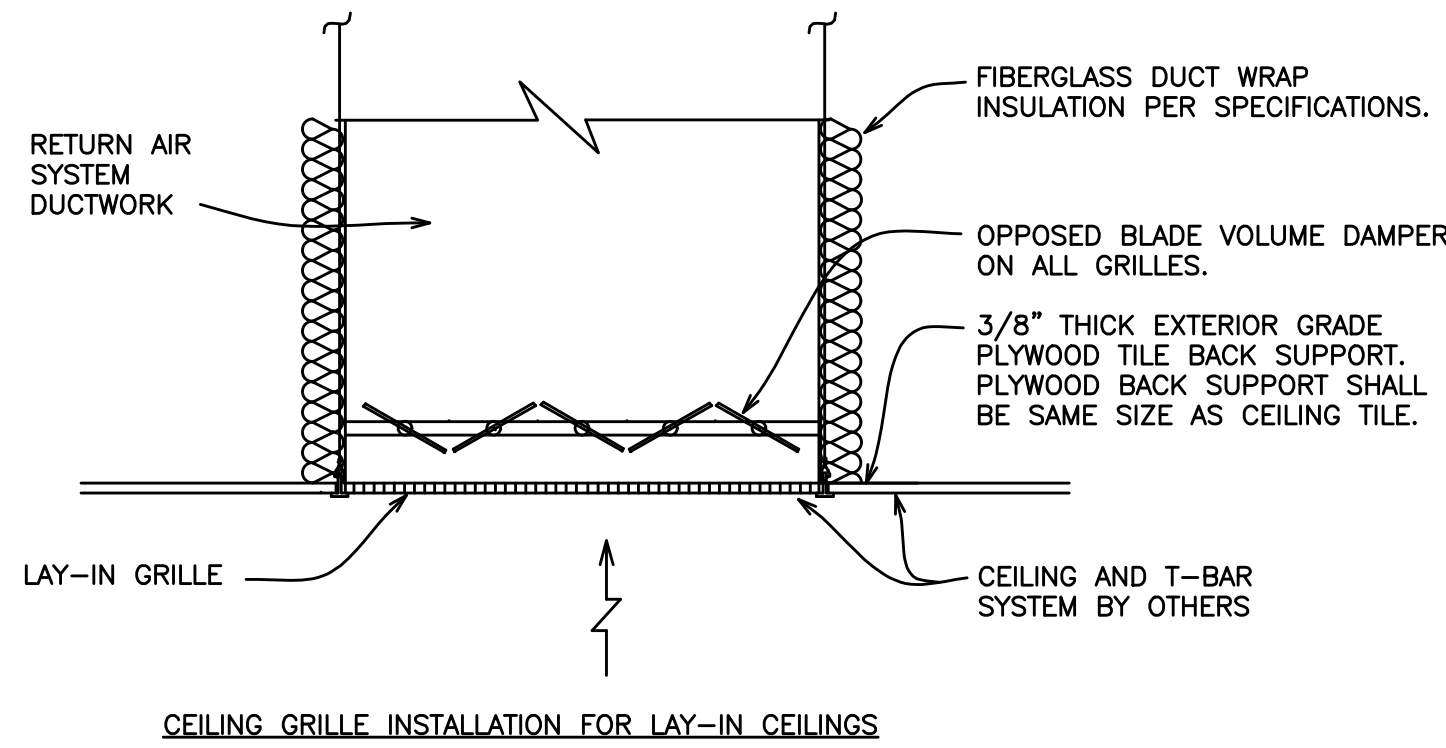
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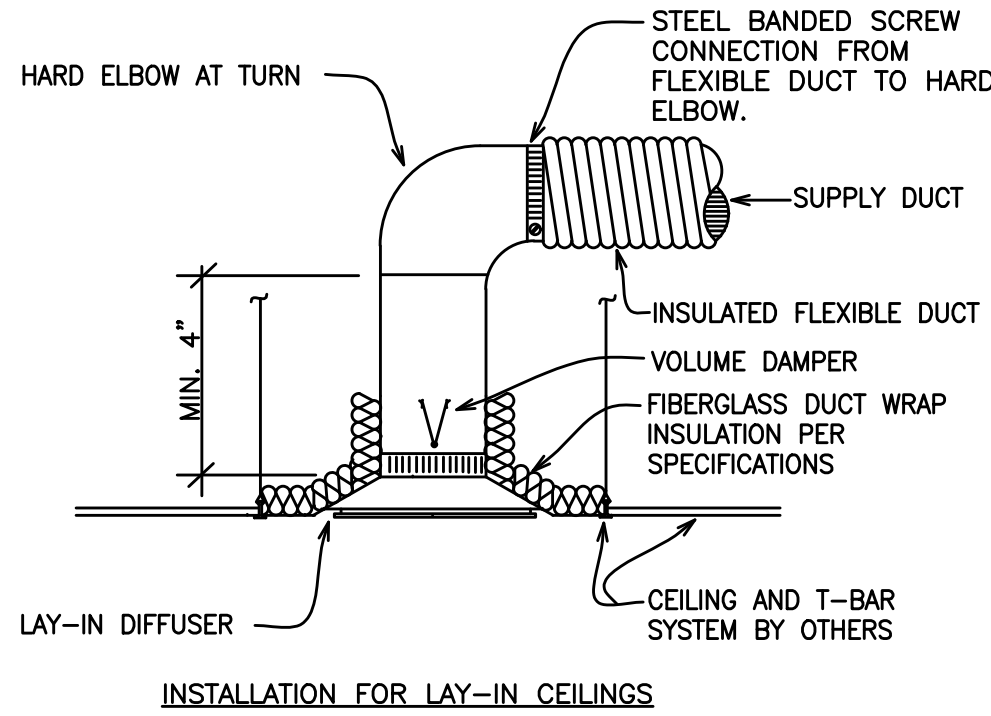
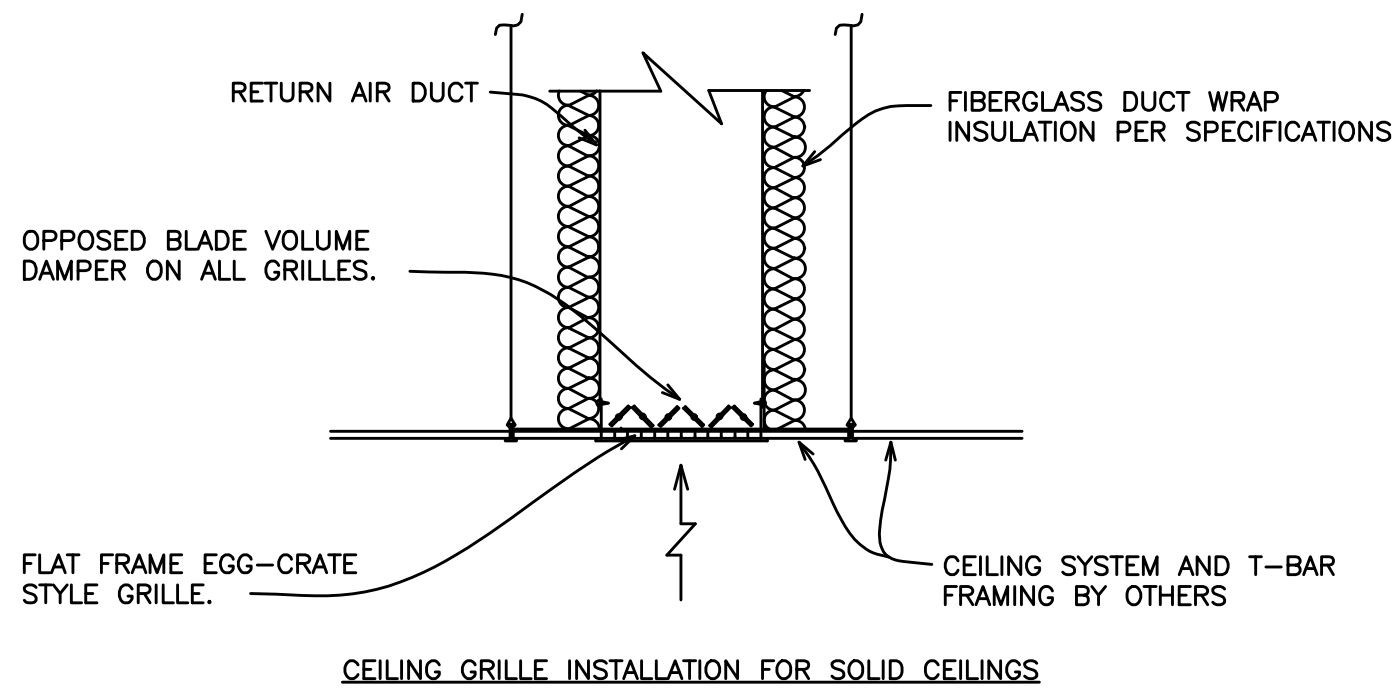


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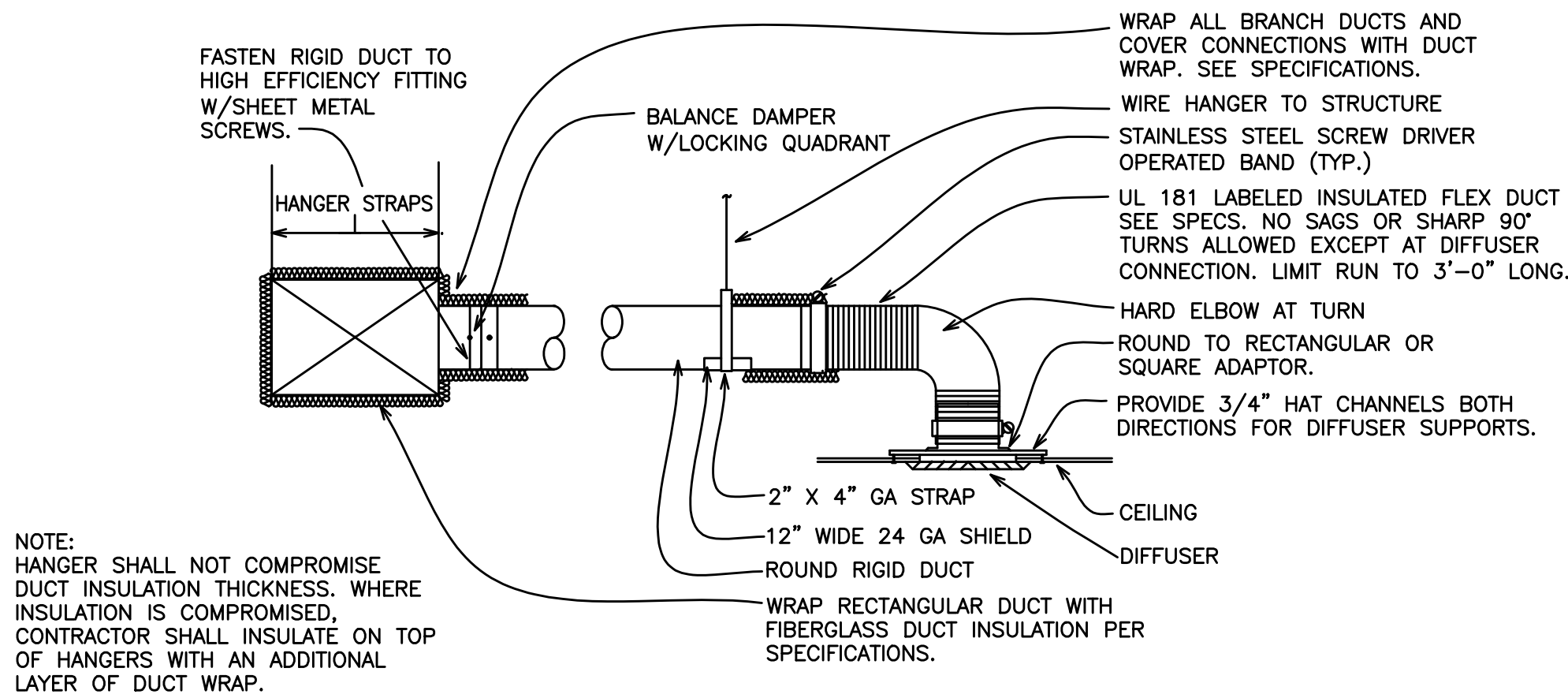
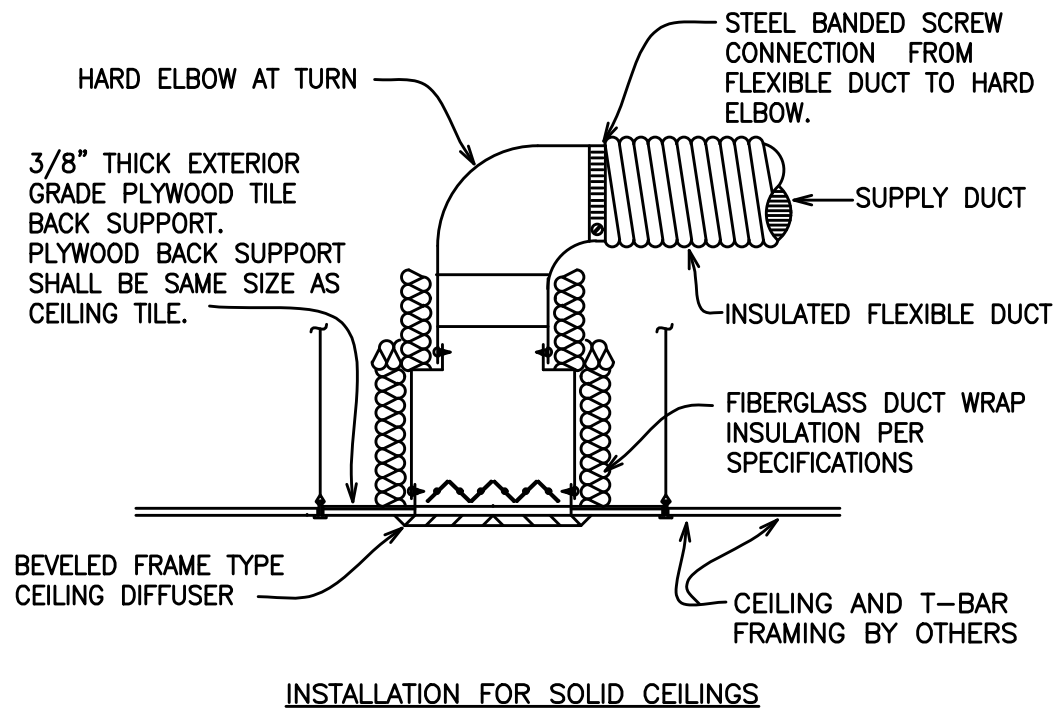
NOTE:
ALL CEILING GRILLES SHALL BE MOUNTED TIGHT TO THE CEILING AND BE FURNISHED WITH SUITABLE FRAMES FOR TYPE OF CEILING USED.

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ME-3.1
CEILING GRILLE
INSTALLATION DETAIL
NO SCALE



NOTE:
ALL OUTLETS SHALL BE MOUNTED TIGHT TO THE CEILING AND SHALL BE FURNISHED WITH A SUITABLE FRAME FOR THE TYPE OF CEILING USED.

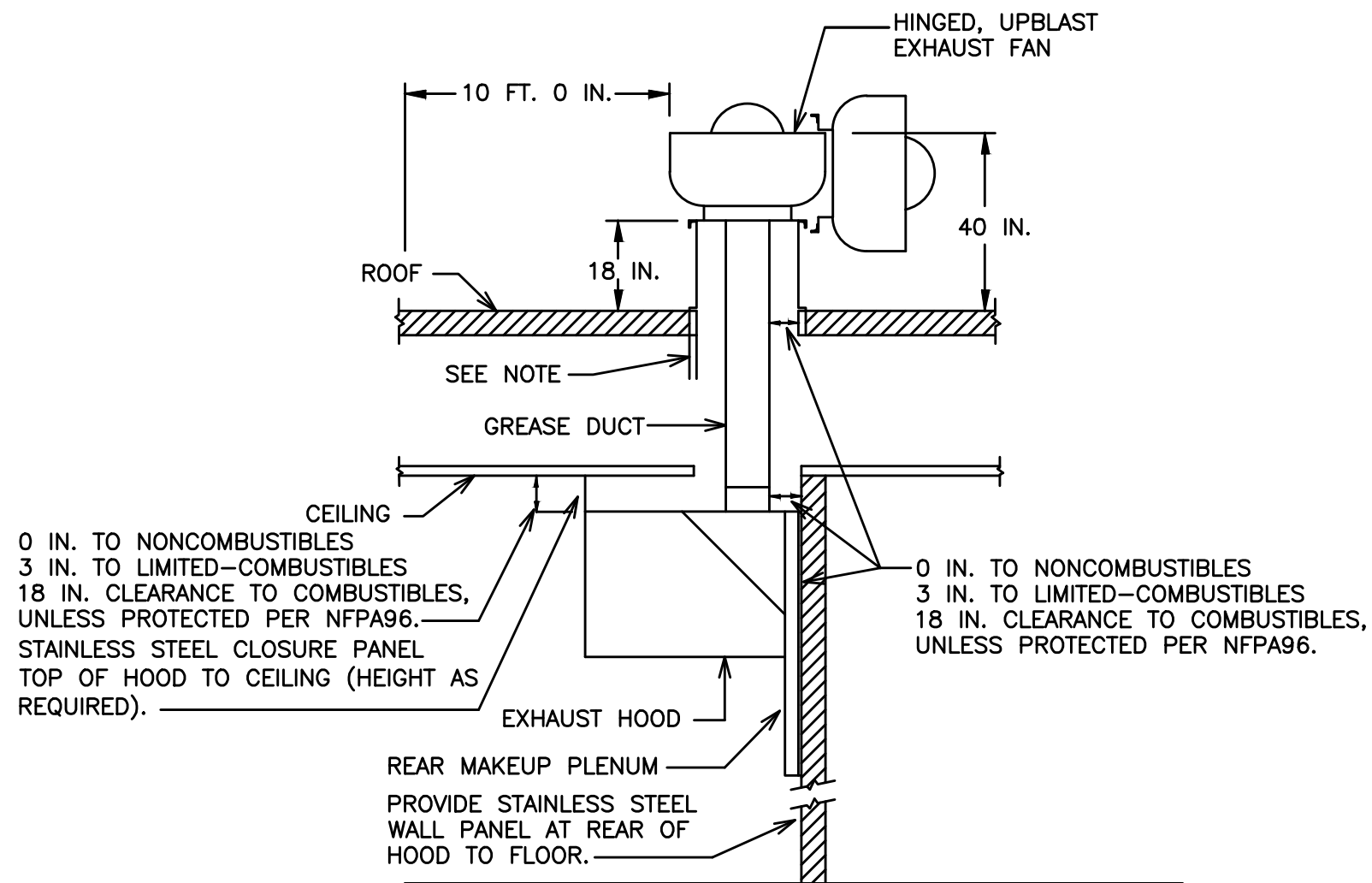
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ME-3.1
SUPPLY AIR
DIFFUSER DETAIL
NO SCALE



NOTE:
HANGER SHALL NOT COMPROMISE DUCT INSULATION THICKNESS. WHERE INSULATION IS COMPROMISED, CONTRACTOR SHALL INSULATE ON TOP OF HANGERS WITH AN ADDITIONAL LAYER OF DUCT WRAP.

- NOTES:
1. IN AREAS WHERE FIRE DAMPERS ARE REQUIRED, PROVIDE DEEP ROUND TO RECTANGULAR OR SQUARE ADAPTER AND BUILD GYPSUM BOARD ENCLOSURE.
 2. NO POP RIVETS ALLOWED.
 3. PROVIDE SUPPORT ON ALL BRANCH DUCT RUNOUTS. MINIMUM OF TWO SUPPORTS ON BRANCH DUCTS OVER 6'-0" IN LENGTH.
 4. DO NOT LINE DUCTWORK.

3
ME-3.1
TYPICAL DIFFUSER
CONNECTION DETAIL
NO SCALE



NOTE: ENCLOSURE IS NOT REQUIRED IN ONE STORY BUILDING WHERE ROOF-CEILING ASSEMBLY DOES NOT HAVE A FIRE RESISTANCE RATING.

4
ME-3.1
TYPICAL HOOD DETAIL
NO SCALE

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PACKAGED ROOFTOP UNIT SCHEDULE																									
FAN							COOLING								HEATING						UNIT ELECTRICAL		APPROVED MANUFACTURERS		
NO.	SERVICE	MIN. CFM	CFM F.A.	EXT. S.P.	NOMINAL TONNAGE	FAN H.P.	ELECTRICAL SERVICE	COOLING CAPACITY BTUH	ENTERING AIR TEMP		LEAVE AIR (°F) COIL	LEAVE AIR (°F) UNIT	DEW POINT (°F)	MIN EER	AMB. TEMP. (°F)	HOT GAS REHEAT BTUH	TYPE	ENT. AIR (°F)	LEAVE AIR (°F)	NO. STAGES					HEATING BTUH
									DB (°F)	WB (°F)											INPUT	OUTPUT			
																									UNIT FLA
RTU-1	CONCESSIONS	4400	1400	0.95	16.4	3	480-3-60	196,376	81	68	53.7	53.6	53.6	10.8	95	101,898	NAT. GAS	58	96	MODULATING	300,000	240,000	30.6	480-3-60	AAON, DAIKIN OR APPROVED EQUAL

- NOTES:
- PACKAGED EQUIPMENT SHALL BE FURNISHED WITH CONTROLLER, FURNISHED BY MANUFACTURER.
 - PACKAGED ROOFTOP UNIT SHALL HAVE DUCT SMOKE DETECTOR IN SUPPLY AND RETURN AIR DUCTWORK. INTERLOCK WITH FIRE ALARM SYSTEM WHERE FIRE ALARM IS PRESENT. WHERE NO FIRE ALARM EXISTS PROVIDE REMOTE AUDIBLE/VISUAL ANNUNCIATOR ON WALL IN CONTINUOUSLY OCCUPIED SPACE.
 - MECHANICAL CONTRACTOR AND MANUFACTURER SHALL PREPARE AN INSTALLATION SHOP DRAWING (AT 1/4"=1'-0" SCALE) FOR PACKAGED UNIT INDICATING REQUIRED CLEARANCES, ASSOCIATED PIPING AND DUCTWORK.
 - ALL PACKAGED ROOFTOP EQUIPMENT: PROVIDE AND INSTALL AIRFLOW MEASURING STATION (EBTRON GTX116 TRANSMITTER AND SENSOR) IN SUPPLY AND RETURN AIR OF AIR HANDLING UNIT. COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR IN THE FIELD. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONTROL CIRCUITS AND MECHANICAL CONTRACTOR SHALL EXTEND AND CONNECT ALL CONTROL WIRING.
 - ROOFTOP UNIT SHALL BE FURNISHED WITH MOTORIZED OUTSIDE AIR DAMPER INTERLOCKED TO UNIT OPERATION.
 - ALL UNITS SHALL BE FURNISHED WITH LOW AMBIENT CONTROL.
 - PROVIDE WITH FACTORY MOUNTED THROUGH THE CURB UTILITIES.
 - PROVIDE WITH FACTORY FUSED DISCONNECT.
 - PROVIDE STAINLESS STEEL HEAT EXCHANGER FOR ALL GAS FIRED HEAT.
 - ALL PACKAGED EQUIPMENT TO BE FURNISHED WITH HOT GAS REHEAT DEHUMIDIFICATION OPTION.
 - PROVIDE ALL EQUIPMENT WITH LOUVERED HAIL GUARDS.
 - CURB INSTALLATION/ASSEMBLY SHALL MEET THE PROJECT WIND LOAD REQUIREMENTS PER IBC AS FURNISHED BY THE ARCHITECT/STRUCTURAL ENGINEER.

GRILLE/LOUVER SCHEDULE						
SYMBOL	SIZE	SERVICE	LOCATION	CONSTRUCTION MATERIAL	FINISH	REMARKS
G-1	24"X24"	RETURN/TRANSFER	CEILING	ALUMINUM	WHITE	NAILOR 51EC-O, PRICE OR TITUS.

- NOTES:
- ALL GRILLES SHALL BE FURNISHED WITH OPPOSED BLADE DAMPERS.
 - TRANSITION DUCTWORK TO FULL FACE OF GRILLE.
 - FRAME STYLE SHALL MATCH ADJACENT CONSTRUCTION.

FAN SCHEDULE									
MARK	SERVICE	MIN. CFM	EXT. S.P.	MAX RPM	MAX FAN HP	TYPE	DRIVE	ELECTRICAL SERVICE	APPROVED MANUFACTURERS
EF-1	HOOD EXHAUST 12FT HOOD	3000	1.1	1340	1.5	CENT	BELT	208-3-60	ACCUREX OR APPROVED EQUAL.
EF-2	HOOD EXHAUST 5FT HOOD	1250	1.1	1340	0.75	CENT	BELT	208-3-60	ACCUREX OR APPROVED EQUAL.
SF-1	HOOD SUPPLY	3400	0.550	628	1.5	CENT	BELT	208-3-60	ACCUREX OR APPROVED EQUAL.

- NOTES:
- EXISTING 12FT AND 5FT LONG KITCHEN HOODS FURNISHED BY OWNER, INSTALLED BY CONTRACTOR. PROVIDE NEW DUCTWORK, SUPPLY PLENUM AND EXHAUST/MAKEUP AIR FANS.
 - ALL ROOF MOUNTED FANS SHALL BE FURNISHED WITH ROOF CURB. ALL FANS AND CURBS SHALL BE WIND RATED.
 - KITCHEN HOOD FAN SWITCH MOUNTED TO FACE OF HOOD. EXHAUST AND SUPPLY FANS SHALL OPERATE SIMULTANEOUSLY.

AIR CURTAIN SCHEDULE					
MARK	LOCATION	CFM OUTPUT	MOTOR HP	ELECTRICAL SERVICE	REMARKS
AC-1	COUNTER	2072	1/5	208-1-60	BERNER SERIES ALC08-1072A OR APPROVED EQUAL.
AC-2	COUNTER	2072	1/5	208-1-60	BERNER SERIES ALC08-1072A OR APPROVED EQUAL.
AC-3	COUNTER	2072	1/5	208-1-60	BERNER SERIES ALC08-1072A OR APPROVED EQUAL.
AC-4	COUNTER	2072	1/5	208-1-60	BERNER SERIES ALC08-1072A OR APPROVED EQUAL.
AC-5	COUNTER	2072	1/5	208-1-60	BERNER SERIES ALC08-1072A OR APPROVED EQUAL.
AC-6	COUNTER	2072	1/5	208-1-60	BERNER SERIES ALC08-1072A OR APPROVED EQUAL.
AC-7	DOOR	1020	1/5	208-1-60	BERNER SERIES SLC07-1036A OR APPROVED EQUAL.
AC-8	DOOR	2031	1/5	208-1-60	BERNER SERIES SLC07-1072A OR APPROVED EQUAL.

- NOTES:
- COORDINATE MOUNTING OF AIR CURTAINS AC-1 THROUGH AC-6 WITH CONCESSION WINDOW COILING MECHANISM.
 - ALL AIR CURTAINS SHALL BE HUNG PER MANUFACTURER. FURNISH ALL HANGERS, BRACKETS, ETC FOR A COMPLETE INSTALLATION.
 - AIR CURTAIN AC-1 THROUGH AC-6 SHALL BE FURNISHED WITH CONTROL PACKAGE TO INCLUDE TIME DELAY SHUTDOWN. UNIT SHALL HAVE 10 FAN SPEED ADJUSTMENTS. ALL LOW VOLTAGE CONTROL WIRING SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTROLS CONTRACTOR. REFER TO ELECTRICAL PLANS FOR WALL SWITCHING REQUIREMENTS DOOR SWITCH TO BE FURNISHED WITH AIR CURTAIN FOR FUTURE, NOT INSTALLED AT THIS TIME.
 - AIR CURTAIN AC-7 AND AC-8 SHALL BE FURNISHED WITH CONTROL PACKAGE TO INCLUDE DOOR SWITCH AND TIME DELAY SHUTDOWN. UNIT SHALL HAVE SINGLE SPEED FAN ADJUSTMENT. ALL LOW VOLTAGE CONTROL WIRING SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTROLS CONTRACTOR.

1 MECHANICAL SCHEDULES
WE-32 NO SCALE

CEILING DIFFUSER SCHEDULE					
MARK	DIFFUSER SIZE	CFM RANGE	CONSTRUCTION MATERIAL	FINISH	REMARKS
D-1	6"Ø	0-95	ALUMINUM	WHITE	NAILOR 6200-O, PRICE OR TITUS.
D-2	8"Ø	100-190	ALUMINUM	WHITE	NAILOR 6200-O, PRICE OR TITUS.
D-3	10"Ø	195-300	ALUMINUM	WHITE	NAILOR 6200-O, PRICE OR TITUS.
D-4	12"Ø	305-420	ALUMINUM	WHITE	NAILOR 6200-O, PRICE OR TITUS.
D-5	14"Ø	425-640	ALUMINUM	WHITE	NAILOR 6200-O, PRICE OR TITUS.
D-6	16"Ø	645-860	ALUMINUM	WHITE	NAILOR 6200-O, PRICE OR TITUS.

- NOTES:
- FURNISH AND INSTALL ALL DIFFUSERS WITH OPPOSED BLADE DAMPERS.
 - FRAME STYLE SHALL BE AS REQUIRED FOR CEILING TYPE; LAY-IN FOR LAY-IN CEILINGS, BEVELED FRAME FOR HARD CEILINGS.
 - BACK SIDE OF DIFFUSER SHALL BE INSULATED SAME AS DUCTWORK.
 - ALL DIFFUSERS ON PLANS SHALL BE FOUR WAY DIFFUSERS UNLESS OTHERWISE NOTED.

STATE OF TEXAS
COUNTY OF HARRIS
NOTARY PUBLIC
My Comm. Expires 12/12/2025
ANDREA MANCIEUX
Notary Seal

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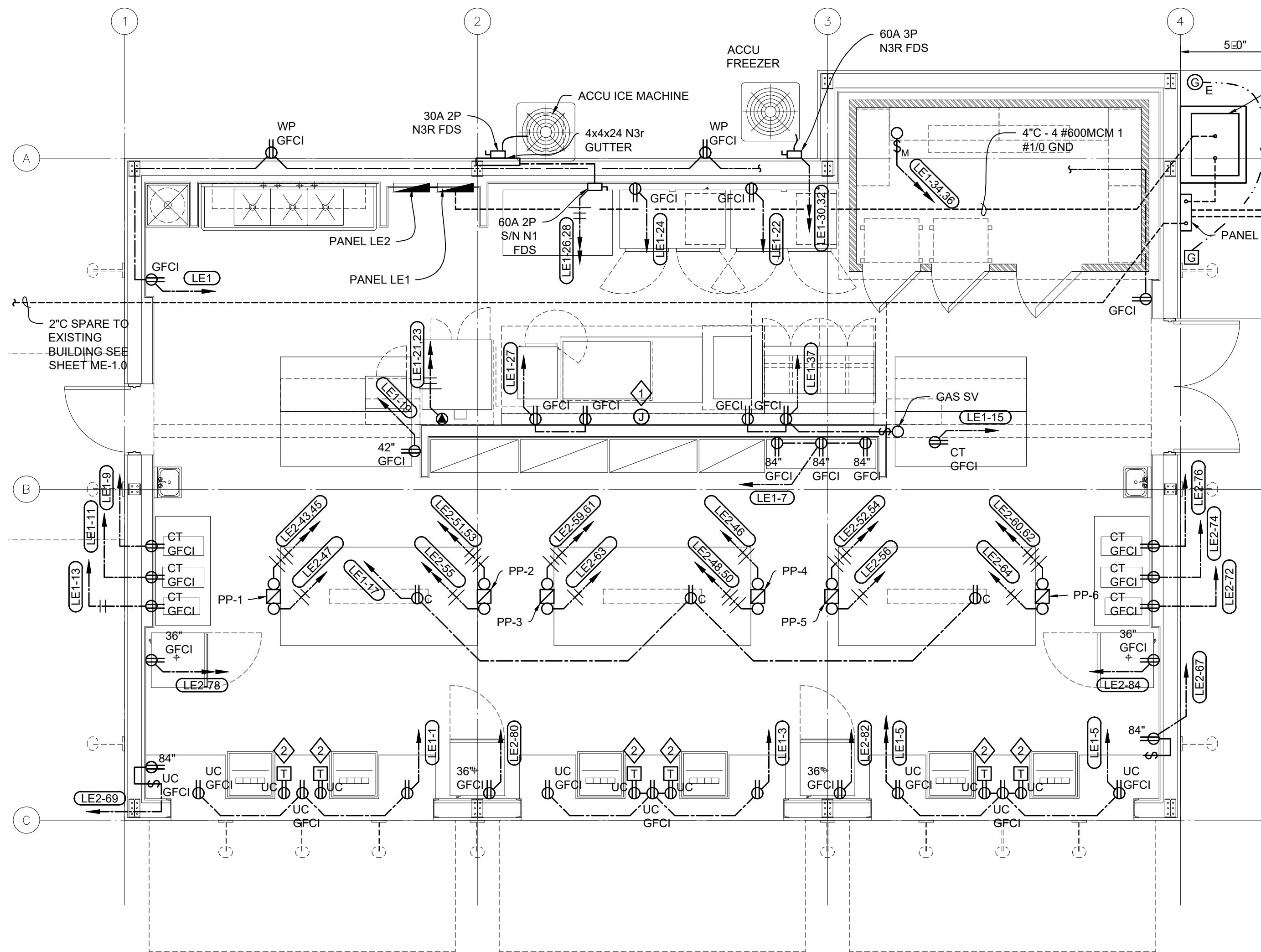
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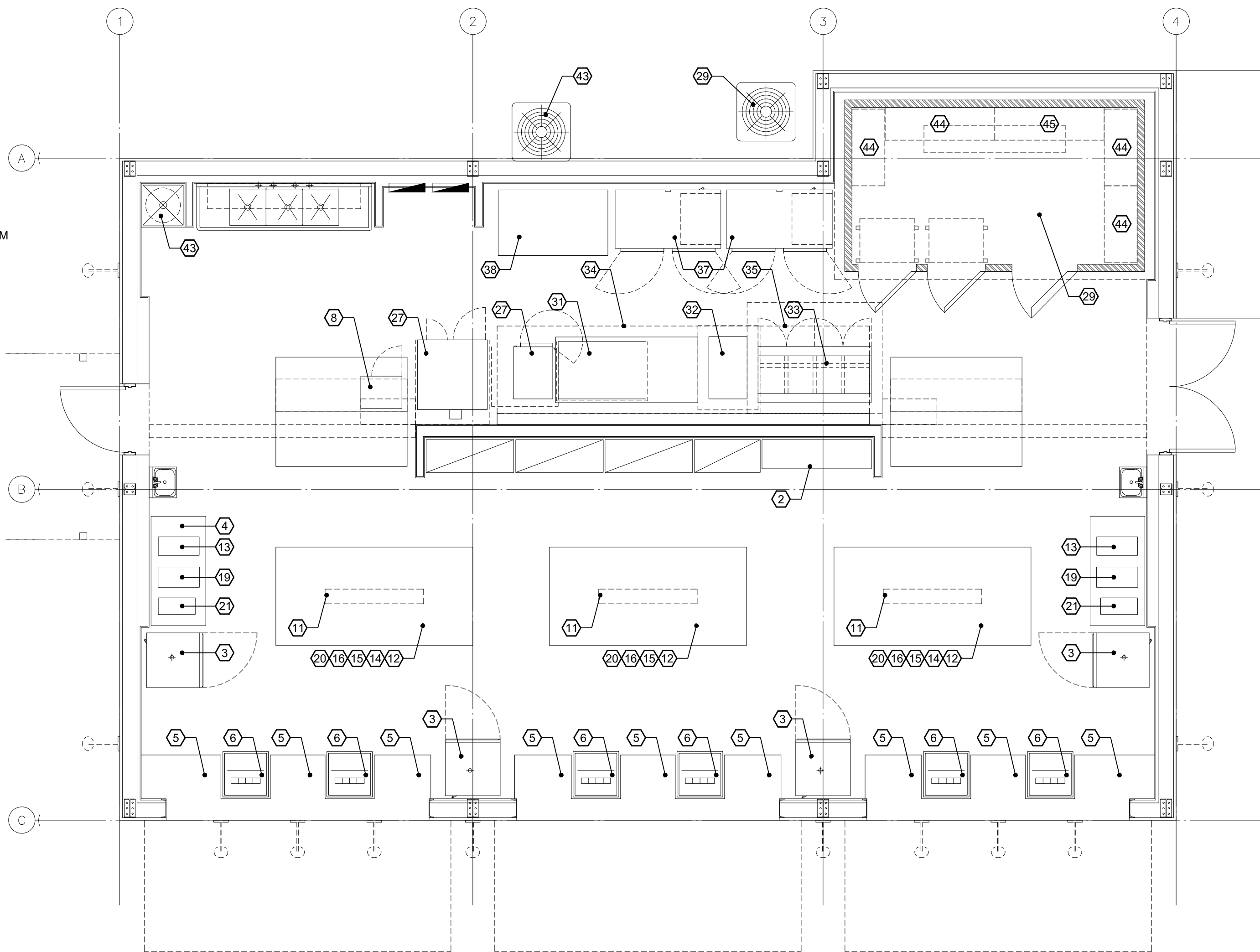
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1 POWER PLAN
SCALE: 1/4" = 1'-0"



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

FIXTURE AND EQUIPMENT SCHEDULE																	
MARK	QUANTITY	ITEM	MANUFACTURER	MODEL NUMBER	UTILITIES												NOTES
					GAS			PLUMBING				ELECTRICAL					
					BTU/S	HOSE CONNECTION	W.C.	CW	HW	W	VT	BAG-IN-BOX	VOLTAGE/ PHASE	AMPS	CONNECTION		
1	2	HANDSINK	ADVANCE TABCO	7-PS-23												SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR	
2	1	BAG-IN-BOX	-	-												SUPPLIED BY OWNER, INSTALLED BY VENDOR	
3	4	VENDOR DISPLAY REFRIDGERATOR	EXISTING	-												SUPPLIED BY OWNER, INSTALLED BY OWNER	
4	2	S/S TABLE 30"X60"	METRO SHELIVING	WT306US												SUPPLIED BY OWNER, INSTALLED BY OWNER	
5	9	POINT OF SALE	-	-												SUPPLIED BY OWNER, INSTALLED BY VENDOR	
6	6	SODA DISPENSER	LANCER	2306									24V/1P	6A		SUPPLIED BY OWNER, INSTALLED BY VENDOR	
7	-	-	-	-													
8	1	MICROWAVE	SOLWAVE EXISTING	180MW1200T									120V	10A	NEMA 5-2P	SUPPLIED BY OWNER, INSTALLED BY OWNER	
9	-	-	-	-													
10	5	S/S WIRE SHELF	METRO SHELIVING	1848NS												SUPPLIED BY OWNER, INSTALLED BY OWNER	
11	3	TV	VIZIO	55"												SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR	
12	3	NACHO CHEESE DISPENSER	GEHL'S EXISTING	HT2-04									120V	1.7A		SUPPLIED BY OWNER, INSTALLED BY OWNER	
13	2	TEA BREWER	BUNN	ITB-DBC									120V/1P	14A	NEMA 5-15P	SUPPLIED BY OWNER, INSTALLED BY VENDOR	
14	2	SUPER PRETZEL DISPLAY	WISCO INDUSTRIES	J1850-B									120V	12A		SUPPLIED BY OWNER, INSTALLED BY OWNER	
15	3	DISPLAY WARMER	HATCO EXISTING	GR2SDS-48D									120/208V	10.2A	NEMA L14-20P	SUPPLIED BY OWNER, INSTALLED BY OWNER	
16	3	GRAVY WARMER	AVANTCO	177W300SS									110V	2.7A	NEMA 5-15P	SUPPLIED BY OWNER, INSTALLED BY OWNER	
17	-	-	-	-													
18	-	-	-	-													
19	2	WARM BEVERAGE	BUNN	FMD-3 BLACK									120V/1P	15A		SUPPLIED BY OWNER, INSTALLED BY VENDOR	
20	6	UNDER COUNTER DRAWER WARMER	WITTCO	200-2-SL									120V	20A	NEMA 5-15P	SUPPLIED BY OWNER, INSTALLED BY OWNER	
21	2	COFFEE BREWER	CURTIS	GEM TS												SUPPLIED BY OWNER, INSTALLED BY VENDOR	
22	-	-	-	-												SUPPLIED BY OWNER, INSTALLED BY OWNER	
23	3	54"X108" S/S TABLE	-	-												SUPPLIED BY OWNER, INSTALLED BY OWNER	
24	2	S/S SHELF	ADVANCE TABCO	CU-18-72-2												SUPPLIED BY OWNER, INSTALLED BY OWNER	
25	4	S/S TABLE 30"X72"	METRO SHELIVING	WT307US												SUPPLIED BY OWNER, INSTALLED BY OWNER	
26	-	-	-	-													
27	1	CONVECTION OVEN	GARLAND	SCO-ES-20S									208V/1P	50		SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR	
28	1	STEAMER	VULCAN EXISTING	-	90,000		3.5"						120V/1P	1.5A		SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR	
29	-	-	-	-													
30	1	S/S EQUIPMENT TABLE	METRO SHELIVING	36X78													
31	1	48" GRIDDLE	VULCAN EXISTING	-	108,000											SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR	
32	1	FLOOR FRYER	ADVANCO	FF518	150,000	3/4"										SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR	
33	1	4 COMP FRYER	VULCAN	4GR45MF	480,000								120V/60HZ	6.0A	NEMA 5-15P	SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR	
34	1	12"HOOD W/ ANSUL	GREENHECK EXISTING	GHEW-12.00-S												SUPPLIED BY OWNER, INSTALLED BY VENDOR	
35	1	5"HOOD W/ ANSUL	GREENHECK EXISTING	GHEW-5.00-S												SUPPLIED BY OWNER, INSTALLED BY VENDOR	
36	1	WALK-IN FREEZER	AMERIKOOLER	8X14-FREEZER												SUPPLIED BY OWNER, INSTALLED BY VENDOR	
37	2	REACH-IN COOLERS	TRAULSEN EXISTING	-									115V/1		NEMA 5-15P	SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR	
38	1	ICE MACHINE	HOSHIZAKI	KM-2600SRJ3									208/230V	20.6A		SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR	
39	-	-	-	-													
40	1	3 COMP SINK	DUKE EXISTING	203S-218												SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR	
41	1	POT RACK	EXISTING	-												SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR	
42	1	MOP SINK	EXISTING	-												SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR	
43	1	HOT WATER HEATER	PALOMA EXISTING	PH-24M-DN												SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR	
44	3	S/S SHELF	NORLAKE SHELIVING	18X42												SUPPLIED BY OWNER, INSTALLED BY VENDOR	
45	2	S/S SHELF	NORLAKE SHELIVING	18X60												SUPPLIED BY OWNER, INSTALLED BY VENDOR	

4 FIXTURE AND EQUIPMENT SCHEDULE
SCALE: NONE

- PROVIDE 4-11/16" SQUARE x 2-1/8" DEEP JUNCTION BOX WITH 2 EACH 1" C RUN TO PANEL LD3-2 FOR FUTURE.
- PROVIDE RECEPTACLE FOR DRINK DISPENSER PLUG IN TRANSFORMER.

2 KEY NOTES
SCALE: NONE

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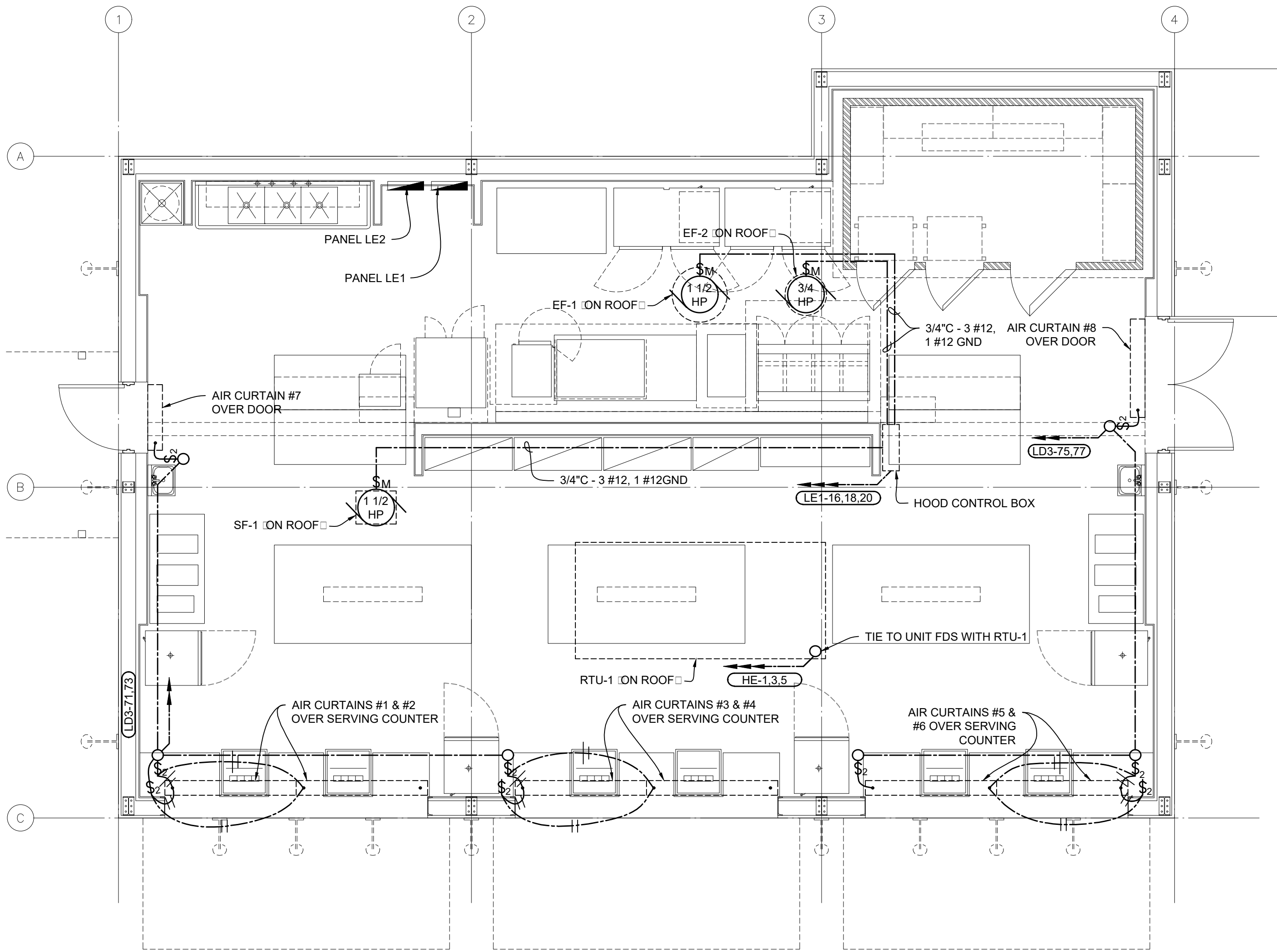
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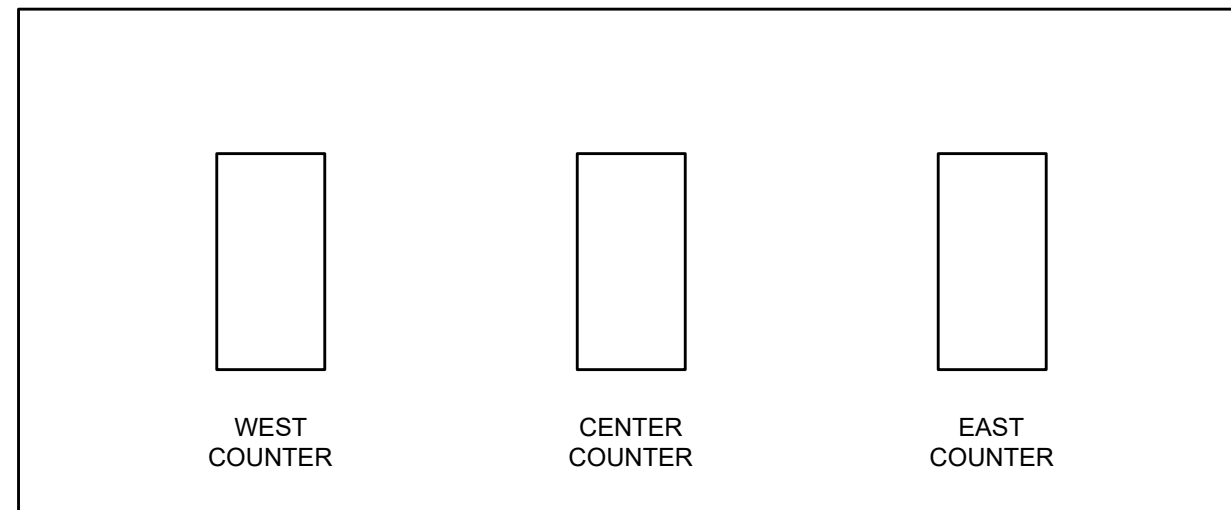
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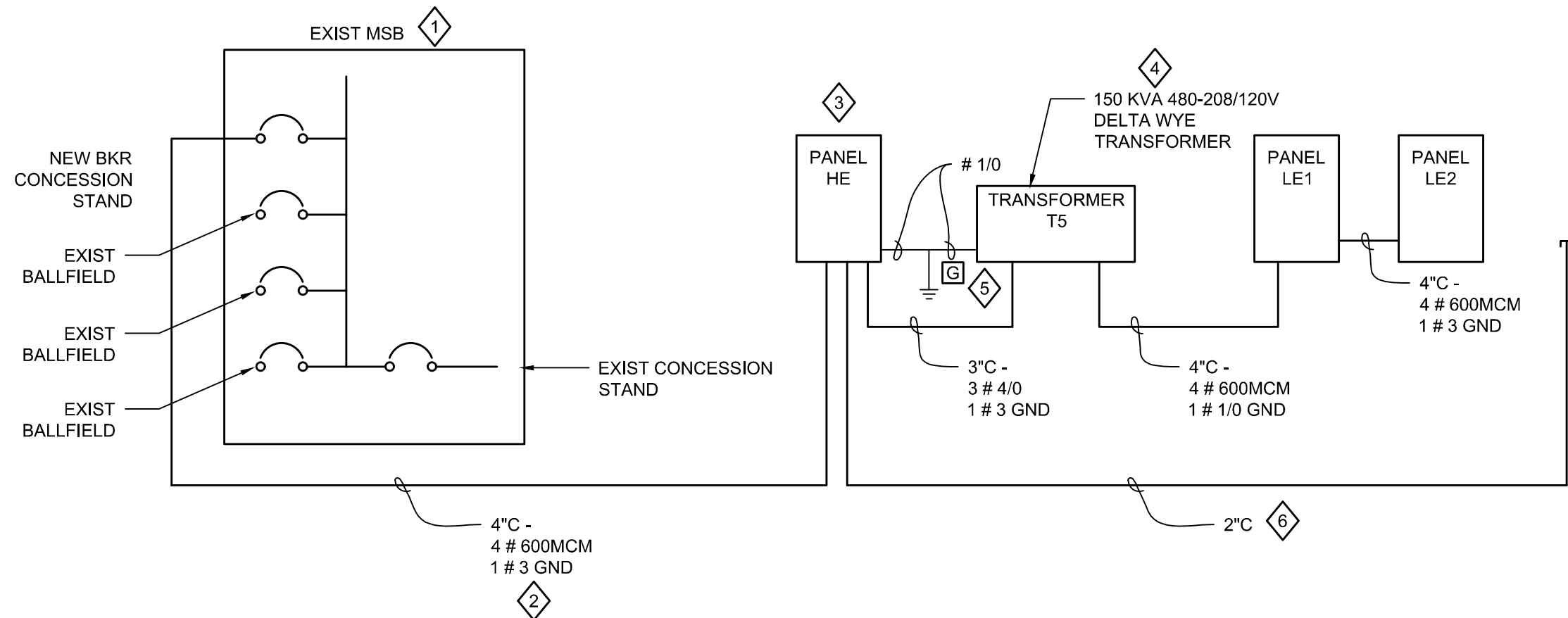


1 HVAC POWER PLAN
SCALE: 1/4" = 1'-0"

SERVING COUNTER AIR CURTAINS



2 SERVING COUNTER AIR CURTAIN SWITCHES
SCALE: 3/4" = 1'-0"



3 RISER DIAGRAM
SCALE: NONE

- EXISTING PANEL MSB ADJACENT UTILITY TRANSFORMER BETWEEN BALDFIELD COMPLEXES A AND B. SEE SITE PLAN ON SHEET ME-1.0. INSTALL NEW 400 AMP 3P 3-WIRE D L C36400 BREAKER IN EXISTING SQUARE D I-LINE PANELBOARD. COORDINATE ANY SERVICE OUTAGE REQUIRED WITH OWNER AND ARCHITECT.
- RUN NEW 4\"/>

4 RISER DIAGRAM KEYNOTES
SCALE: NONE

5 PANEL LE1
SCALE: NONE

MAINS 400 AMP BREAKER				PANELBOARD SCHEDULE			
MOUNTING: FLUSH				PANEL: LE1 TYPE: PANELBOARD			
NEMA RATING: 1				MFR: Sq D TYPE: NQ			
GROUND BUS: EQUIP				208/120 V 3 PH 4 W			
NEUTRAL BUS: 100%				BRANCH BREAKERS: BOLT ON			
IER: 10,000				MODIFICATIONS: FEED THRU LUGS			
ITEM	WIRE SIZE	AMP POLE	CR NO	AMP POLE	WIRE SIZE	ITEM	
COUNTER 1 ITEM 5 & ITEM 6	#12	201	1	2	201	#12	OUTSIDE LIGHTS
COUNTER 2 ITEM 5 & ITEM 6	#12	201	3	4	201	#12	CONCESSION LIGHTS
COUNTER 3 ITEM 5 & ITEM 6	#12	201	5	6	201	#12	HOOD LIGHTS
RECPY ITEM 2	#12	201	7	8	ST	---	---
RECPY ITEM 13	#12	201	9	10	201	#12	COOLER LIGHTS & HEATERS
RECPY ITEM 19	#10	201	11	12	201	#12	COOLER LIGHTS & HEATERS
RECPY ITEM 21	#10	302	13	14	201	#12	FRONT SIGN "SLUGGERS"
RECPY TV MONITORS	---	115	15	---	---	---	KITCHEN HOOD PANEL
RECPY ITEM 8	#10	201	17	18	---	---	---
RECPY ITEM 27	#6	502	21	22	201	#12	RECPY ITEM 37
---	---	ST	23	24	201	#12	RECPY ITEM 37
RECPY ITEM 28	#12	201	27	28	---	---	ICE MACHINE AND ACCU
---	---	ST	29	30	BO2	#6	FREEZER ACCU
RECPY ITEM 29	#10	302	31	32	---	---	---
---	---	ST	33	34	202	#10	FREEZER EVAP
---	---	---	---	---	---	---	---
RECPY ITEM 33 & GAS SV	#12	201	37	38	201	#12	RECPY BUILDING & OIL
SHUNT TRIP POWER	---	ST	39	40	202	#12	RECPY ITEM 26
---	#12	201	41	42	---	---	---

- NOTES TO PANEL LE1
- 1 PANEL TO HAVE BOTTOM FEED MAIN.
 - 2 STUB 3 EACH SPARE 1" CONDUITS INTO ACCESSABLE CEILING SPACE FOR FUTURE.
 - 3 INTERLOCK SHUNT TRIP BREAKERS WITH HOOD EXTINGUISHING SYSTEM FIRE ALARM INTERFACE.

MAINS 400 AMP LUGS				PANELBOARD SCHEDULE			
MOUNTING: FLUSH				PANEL: LE2 TYPE: PANELBOARD			
NEMA RATING: 1				MFR: Sq D TYPE: NQ			
GROUND BUS: EQUIP				208/120 V 3 PH 4 W			
NEUTRAL BUS: 100%				BRANCH BREAKERS: BOLT ON			
IER: 10,000				MODIFICATIONS: ---			
ITEM	WIRE SIZE	AMP POLE	CR NO	AMP POLE	WIRE SIZE	ITEM	
POWER POLE 1 - ITEM 12	#12	201	43	44	201	#12	POWER POLE 4 - ITEM 16
POWER POLE 1 - ITEM 15	#12	201	45	46	201	#12	POWER POLE 4 - ITEM 17
POWER POLE 1 - SPARE RECEPTACLE	#12	201	47	48	201	#12	POWER POLE 4 - SPARE RECEPTACLE
SPARE	---	---	49	50	201	#12	POWER POLE 4 - ITEM 20
POWER POLE 2 - ITEM 14	#12	201	51	52	201	#12	POWER POLE 5 - ITEM 12
POWER POLE 2 - ITEM 16	#12	201	53	54	201	#12	POWER POLE 5 - ITEM 15
SPARE	---	---	55	56	201	#12	POWER POLE 5 - ITEM 18
POWER POLE 2 - ITEM 20	#12	201	57	58	201	#12	POWER POLE 5 - SPARE RECEPTACLE
POWER POLE 3 - ITEM 12	#12	201	59	60	201	#12	POWER POLE 6 - ITEM 14
POWER POLE 3 - ITEM 15	#12	201	61	62	201	#12	POWER POLE 6 - ITEM 16
SPARE	---	---	63	64	201	#12	POWER POLE 6 - ITEM 17
SPARE	---	---	65	66	201	#12	POWER POLE 6 - ITEM 20
RECPY FUTURE WALL FAN	#12	201	67	68	301	---	---
RECPY FUTURE WALL FAN	#12	201	69	70	301	---	---
AIR CURTAINS #1, #2, #3, #4, & #7	#12	202	71	72	201	#12	RECPY ITEM 20
---	---	---	73	74	201	#12	RECPY ITEM 19
AIR CURTAINS #5, #6, & #9	#12	202	75	76	201	#12	RECPY ITEM 13
---	---	---	77	78	201	#12	RECPY ITEM 3
POWER GAS IMH & CRC PUMP	#12	201	79	80	501	#12	RECPY ITEM 3
SPARE	---	---	81	82	201	#12	RECPY ITEM 3
SPARE	---	---	83	84	201	#12	RECPY ITEM 3
SPARE	---	---	85	86	201	---	---
SPARE	---	---	87	88	201	---	---
SPARE	---	---	89	90	201	---	---
SPARE	---	---	91	92	301	---	---
SPARE	---	---	93	94	301	---	---
SPARE	---	---	95	96	301	---	---

- NOTES TO PANEL LE2
- 1 PANEL TO HAVE TOP FEED LUGS.
 - 2 STUB 3 EACH SPARE 1" CONDUITS INTO ACCESSABLE CEILING SPACE FOR FUTURE.
 - 3 INTERLOCK SHUNT TRIP BREAKERS WITH HOOD EXTINGUISHING SYSTEM FIRE ALARM INTERFACE.

6 PANEL LE2
SCALE: NONE

MAINS 400 AMP (SEE NOTE 1)				PANELBOARD SCHEDULE			
MOUNTING: SURFACE				PANEL: HE TYPE: DISTRIBUTION			
NEMA RATING: 3R				MFR: Sq D TYPE: I-LINE			
GROUND BUS: EQUIP				480/277 V 3 PH 4 W			
NEUTRAL BUS: 100%				BRANCH BREAKERS: BOLT ON			
IER: 25,000				MODIFICATIONS: ---			
ITEM	WIRE SIZE	AMP POLE	CR NO	AMP POLE	WIRE SIZE	ITEM	
MAIN BREAKER (SEE NOTE 1)	400/3	1	2	225/3	#40	TRANSFORMER T5	
---	---	---	3	4	---	---	(SEE NOTE 2)
SPARE	---	---	5	6	---	---	---
---	100/3	7	8	50/3	#6	FTU-1	
---	---	---	9	10	---	---	---
---	---	---	11	12	---	---	---

- NOTES TO PANEL HE
- 1 PROVIDE BRANCH MOUNTED MAIN BREAKER
 - 2 PROVIDE PADLOCK PROVISION ON THE HANDLE OF THIS BREAKER.
 - 3 STUB SPARE 2" CONDUITS AS INDICATED ON THE DRAWINGS FOR FUTURE.

7 PANEL HE
SCALE: NONE

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0 1/8" Divisions 1" Graphic Scale 2" 1/10" Divisions 3"

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Project Number: 18-019

DRAWN BY: MUCGILCOM

PROJECT NUMBER: 18-019

DOCUMENT RELEASE DATES:

1 BIDS & CONST. 3-B-18

2 -

3 -

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SHEET NUMBER: ME-4.1

FILE NAME:

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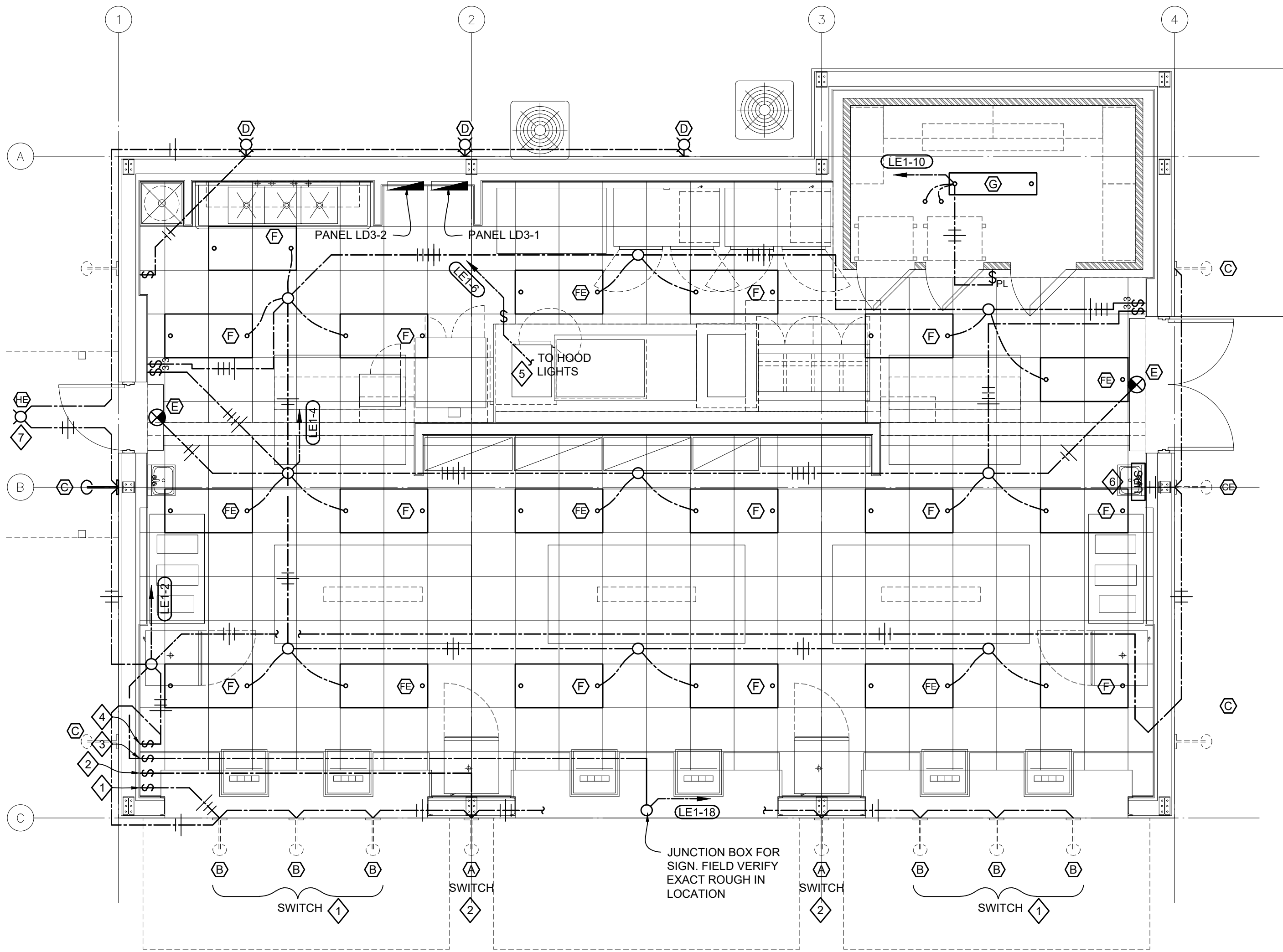
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FORD PARK

SET NO.



1 LIGHTING PLAN

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

- 1 SWITCH FOR OUTDOOR MENU BOARD LIGHTS
- 2 SWITCH FOR OUTDOOR BUILDING LIGHTS
- 3 SWITCH FOR BUILDING WALL SIGN "SLUGGERS"
- 4 SWITCH FOR BUILDING WALL PACKS
- 5 INTERLOCK SHUNT TRIP BREAKER WITH HOOD EXTINGUISHING INTERLOCK
- 6 INSTALL GRID MOUNTED UPS IN CEILING TO SERVE FIXTURE CE
- 7 MOUNT FIXTURE IN CENTER OF CONNECTING CANOPY BETWEEN BUILDINGS

2 LIGHTING PLAN KEY NOTES

SCALE: NONE

MARK	DESCRIPTION	LAMPS	NOTES
A	TROY RLM #3RA12-LED18-GA / 3 SL23 GA	LED	1
B	TROY RLM #3RH16-LED18-GA FGWC / 3 SL23 GA	LED	1
C	TROY RLM #3RH14-LED18-GA FGWC / 3 SL23 GA	LED	4
D	LUMARK #XTORSARL-N-PC1-	LED	5
E	SURE-LITES #TPX70-R	LED	3
F	METALUX #24GR-FA-LD4-38-A19/156-UNV-L835-SD1-G1	LED	2
G	VAPOR PROOF FIXTURE PROVIDED WITH FREEZER		6
H	FAIL-SAFE #TRR15 LD4-40W-40-UNV-ED-C1-EL12W/CSTG	LED	7

NOTES:

- SEE ARCHITECTURAL DETAILS FOR MOUNTING HEIGHT AND LOCATION.
- PROVIDE EMERGENCY BATTERY PACK AND CONNECT TO UNSWITCHED CONDUCTOR FROM BRANCH BREAKER ON UNITS NOTED WITH AN "E".
- FACES, CHERVON DIRECTIONAL ARROWS, AND MOUNTING AS REQUIRED BY PLAN AND FIELD CONDITIONS.
- MOUNT AT 10' AFF +/- ON SIDE OF BUILDING. FIELD VERIFY EXACT LOCATION IN FIELD WITH ARCHITECT.
- MOUNT AT 9' +/- ON BACK WALL.
- CONNECT TO CIRCUIT AS INDICATED ON DRAWINGS.
- PROVIDE STANDARD HARDWARE ON THIS FIXTURE.

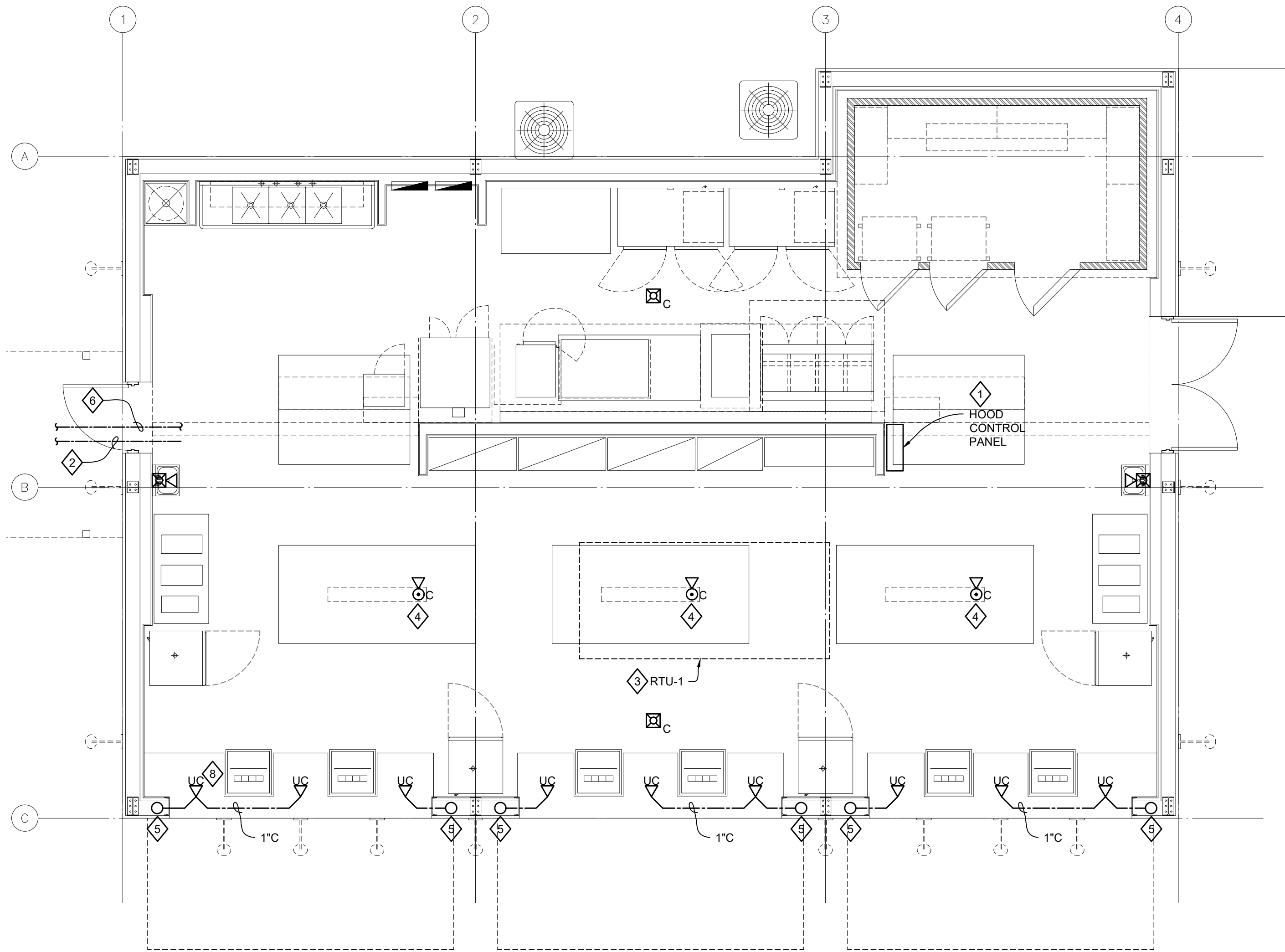
4 LIGHT FIXTURE SCHEDULE

SCALE: NONE

3 LIGHTING NOTES

SCALE: NONE

- SEE SHEET ME-1.0 FOR LEGEND.
- WIRE COUNTS ARE INDICATED TO PROVIDE THE CONTRACTOR AN IDEA OF THE INTENDED SWITCHING OF CIRCUIT. THEY DO NOT INCLUDE THE EQUIPMENT GROUNDING CONDUCTOR. CONTRACTOR HOWEVER IS RESPONSIBLE FOR PROVIDING THE WIRING REQUIRED TO CONTROL THE CIRCUITS. CONTACT THE ENGINEER WITH ANY QUESTIONS.



5 SPECIAL SYSTEMS PLAN

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

- 1 PROVIDE FA SYSTEM INTERFACE FOR MONITORING HOOD EXTINGUISHING SYSTEM AND CONTROL OF HOOD SUPPLY FAN AND LIGHTS.
- 2 RUN A 2" WITH PULLWIRE FROM CEILING SPACE OF NEW CONCESSION STAND TO BACKBOARD SHOWN ON SHEET ME-1.0. CONDUIT TO BE ROUTED ON THE TOP OF THE CONNECTING CANOPY. SEAL BOTH WALLS AT ENTRY POINTS.
- 3 PROVIDE FA SYSTEM INTERFACE FOR MONITORING THE DUCT DETECTORS IN SUPPLY AND RETURN AIR DUCTS OF RTU-1.
- 4 PROVIDE 2 GANG STAINLESS STEEL PLATE IN CEILING FOR MONITOR DATA / COM WIRING. COORDINATE EXACT DEVICE CONNECTOR TYPES AND LOCATIONS IN PLATES WITH OWNER IN FIELD.
- 5 RUN 1" C TO WALL AND UP TO ACCESSIBLE CEILING SPACE FOR DATA/COM WIRING. EXTEND RACEWAY BEYOND AIR CURTAINS IN CEILING SPACE.
- 6 RUN 1" C FOR FIRE ALARM SYSTEM WIRING FROM NEW BUILDING TO EXISTING FA PANEL FOR NEW NOTIFICATION AND ALARM DEVICES.

6 SPECIAL SYSTEM KEY NOTES

SCALE: NONE

- ALL DATA, COMMUNICATION, AND CATV WIRING WORK SHALL BE DONE BY THE OWNER UNDER SEPARATE CONTRACT. CONTRACTOR SHALL PROVIDE RACEWAYS WITH PULLWIRES, JUNCTION BOXES, ETC. CONTRACTOR SHALL COORDINATE THE FINAL LOCATION OF JUNCTION BOXES WITH EQUIPMENT AND BUILT-IN SHOP DRAWINGS AND ARCHITECT IN FIELD.
- THE BUILDING IS TO BE PROTECTED BY AN AUTOMATIC FIRE ALARM SYSTEM EXTENDED FROM THE EXISTING FIRE ALARM PANEL. FACT SEE SHEET ME-1.0 FOR LOCATION.
- THE EXTENSION OF THE EXISTING FIRE ALARM SYSTEM SHALL BE DESIGNED AND INSTALLED BY A LICENSED FIRE ALARM CONTRACTOR IN THE JURISDICTION OF THE PROJECT. THE FIRE ALARM SYSTEM DESIGN SHALL BE APPROVED BY THE AHJ, ARCHITECT, AND ENGINEER PRIOR TO ANY WORK BEING DONE. CONTRACTOR SHALL PAY ALL AHJ REVIEW FEES FOR SUBMITTAL AND ANY RESUBMITTALS.
- ALL EXPOSED CABLE IN CEILING SPACE SHALL BE PROPERLY SUPPORTED FROM STRUCTURE WITH SUPPORTS DESIGNED FOR THE PURPOSE. DO NOT LAY CABLE ACROSS CEILING GRIDS.
- PROVIDE BLANK COVERS TO MATCH WIRING DEVICES ON ALL UNUSED BOXES.
- SEE SHEET ME-1.0 FOR LEGEND.

7 SPECIAL SYSTEMS NOTES

SCALE: NONE

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