

Jersey Mike's SUBS

SYMBOLS LEGEND:

	Project Limit Line		Scope of Project		Key Note No.		Key Note
	ALIGN		Aligned Surfaces		Graphic North		Reference Label
	Area Name		Area Tag		North Arrow		Centerline
	Room Name		Room No.		Room Area		Room Tag
	Door/Room No.		Door Tag		Level/Datum Name		Level Marker
	Window Type		Window Type Tag		Spot Elevation AFF		Spot Elevation
	Partition Configuration		Partition Tag		Detail No.		Elevation
	Building Section		Wall Section		Detail Section/Callout		Starting Point @ Center
	Highpoint @ Tail		Slope Indicator		Change @ Head		Material Change Indicator



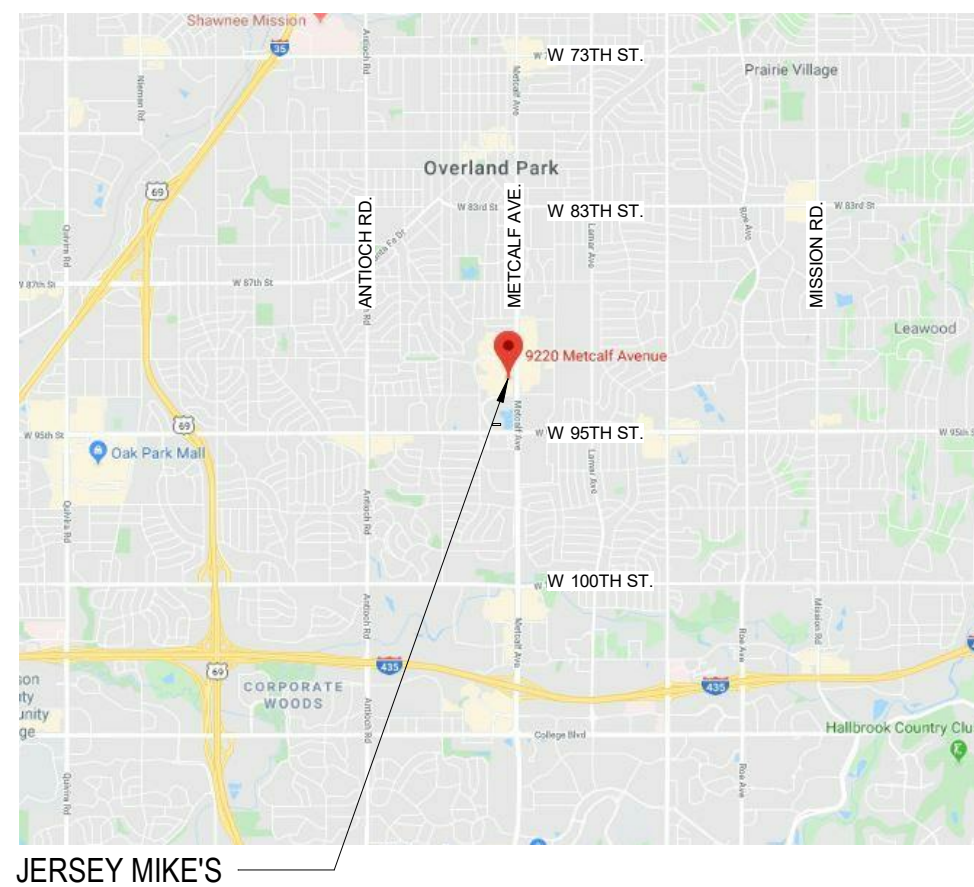
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A0.3	OCCUPANCY AND EGRESS PLAN	
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P2.0	PLUMBING PLAN	
REFERENCE		
R1.1	REFERENCE FURNITURE PLAN	
Grand total: 28		

LIGHTING AND CEILING LEGEND:

(ARCHITECTURAL INFORMATION SHOWN FOR REFERENCE ONLY)	
	FLUORESCENT FIXTURE (2x2, 2X4, ETC) WITH PARABOLIC LENS
	FLUORESCENT FIXTURE (2x2, 2X4, ETC). WITH PRISMATIC ACRYLIC LENS
	RECESSED WALL WASHER LIGHT FIXTURE. SEE SCHEDULE.
	CEILING MOUNTED CAN LIGHT. SEE SCHEDULE.
	SUSPENDED FLUORESCENT PENDANT FIXTURE. SEE SCHEDULE.
	EXIT LIGHT. SEE SCHEDULE.
	SPRINKLER SYSTEM. FOR REFERENCE ONLY.
	DIFFUSERS AND RETURNS. FOR REFERENCE ONLY. "N" DESIGNATION DENOTES NEW FIXTURE (TYP.)

PROJECT LOCATION:



KEY PLAN:



BUILDING CODE SUMMARY:

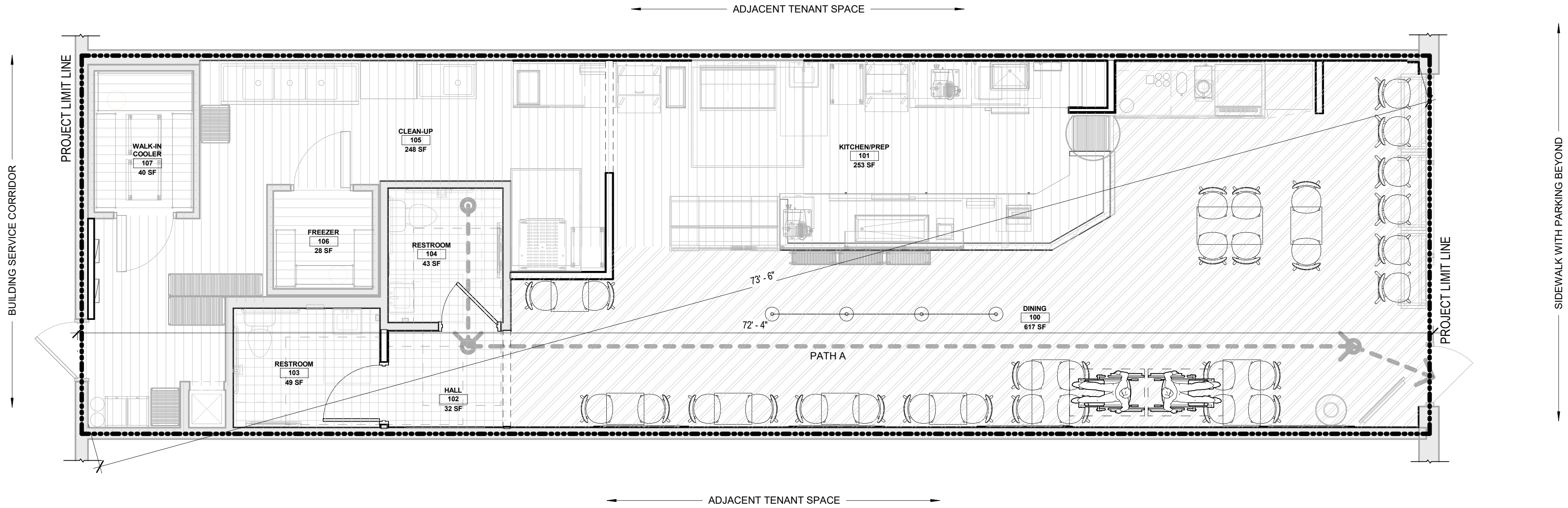
PROJECT SUMMARY	
TENANT FITOUT OF AN EXISTING MULTI-TENANT BUILDING	
SEE SHEET A0.3 FOR EGRESS PLAN	
BUILDING DATA:	
Overland Park Building Department - Johnson County, KS	
BUILDING CODE AGENCY/JURISDICTION:	
Johnson County, Kansas	
BUILDING CODE:	
2012 International Building Code	
2012 International Fire Code	
2012 International Mechanical Code	
2012 International Plumbing Code	
2011 National Electric Code	
TYPE OF WORK:	
INTERIOR FITOUT	
FIRE SUPPRESSION:	
FULLY-SPRINKLERED	
EXISTING CONSTRUCTION TYPE:	
IIB	
TOTAL NUMBER OF FLOORS:	
ONE (1)	
NUMBER OF FLOORS ABOVE GRADE:	
ONE (1)	
USE/OCCUPANCY GROUP	
B (Business) (Per Section 303.1.2.1)	

PROJECT DIRECTORY:

Tenant Contact: Spiegel Capital, LLC 1524 SW Merryman Dr. Lee's Summit, MO 64082	Michael Spiegel michaelspiegel@jerseymikes.com (816) 309-5772	Architect Contact: Oculus Incorporated One South Memorial Dr, Suite 1500 St. Louis, MO 63102	Matt Bradley mattb@oculusinc.com (314) 450-5395 phone (314) 367-1489 fax
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11/20/2019 1:07:22 PM JERSEY MIKES - REGENCY PARK

1/20/2019 1:01:42 PM JERSEY MIKES - REGENCY PARK



H4 OCCUPANCY/EGRESS PLAN
1/4" = 1'-0"

EXIT REQUIREMENTS:

REQUIRED NUMBER OF EXITS PER CODE:
NUMBER OF EXITS SHOWN ON PLANS:

REQUIRED DISTANCE BETWEEN EXIT DOORS PER CODE:
ACTUAL DISTANCE BETWEEN EXIT DOORS:

MAXIMUM DEAD END CORRIDOR DEPTH:

FULLY SPRINKLERED

2
2

73' - 6" / 3 = 24' - 5"
72' - 4"

20'

OCCUPANCY DATA:

Occupancy Schedule					
RM #	ROOM NAME	AREA	OCCUPANCY	LOAD FACTOR	OCCUPANT LOAD
100	DINING	617 SF	ASSEMBLY UNCONCENTRATED	15	42
101	KITCHEN/PREP	253 SF	COMMERCIAL KITCHEN	200	2
102	HALL	32 SF	UNOCCUPIED	0	0
103	RESTROOM	49 SF	UNOCCUPIED	0	0
104	RESTROOM	43 SF	UNOCCUPIED	0	0
105	CLEAN-UP	248 SF	COMMERCIAL KITCHEN	200	2
106	FREEZER	28 SF	STORAGE	300	1
107	WALK-IN COOLER	40 SF	STORAGE	300	1
Grand total: 8		1310 SF			46

NOTE: AREA SQUARE FOOTAGE SHOWN ARE FOR THE BUILDING CODE OFFICIAL'S USE AND REVIEW ONLY. AREA CALCULATIONS SHOWN NOT RELATED TO TENANT LEASING INFORMATION.

EXIT ACCESS TRAVEL DISTANCES

Path ID	Common Path Distance	Allowable Common Path	Actual Travel Distance	Allowable Travel Distance
A	0' - 0"	0' - 0"	59' - 3"	75' - 0"

SHEET NOTES:

A) REFERENCE COVER SHEET FOR BUILDING CODE SUMMARY

Plumbing Fixture Schedule

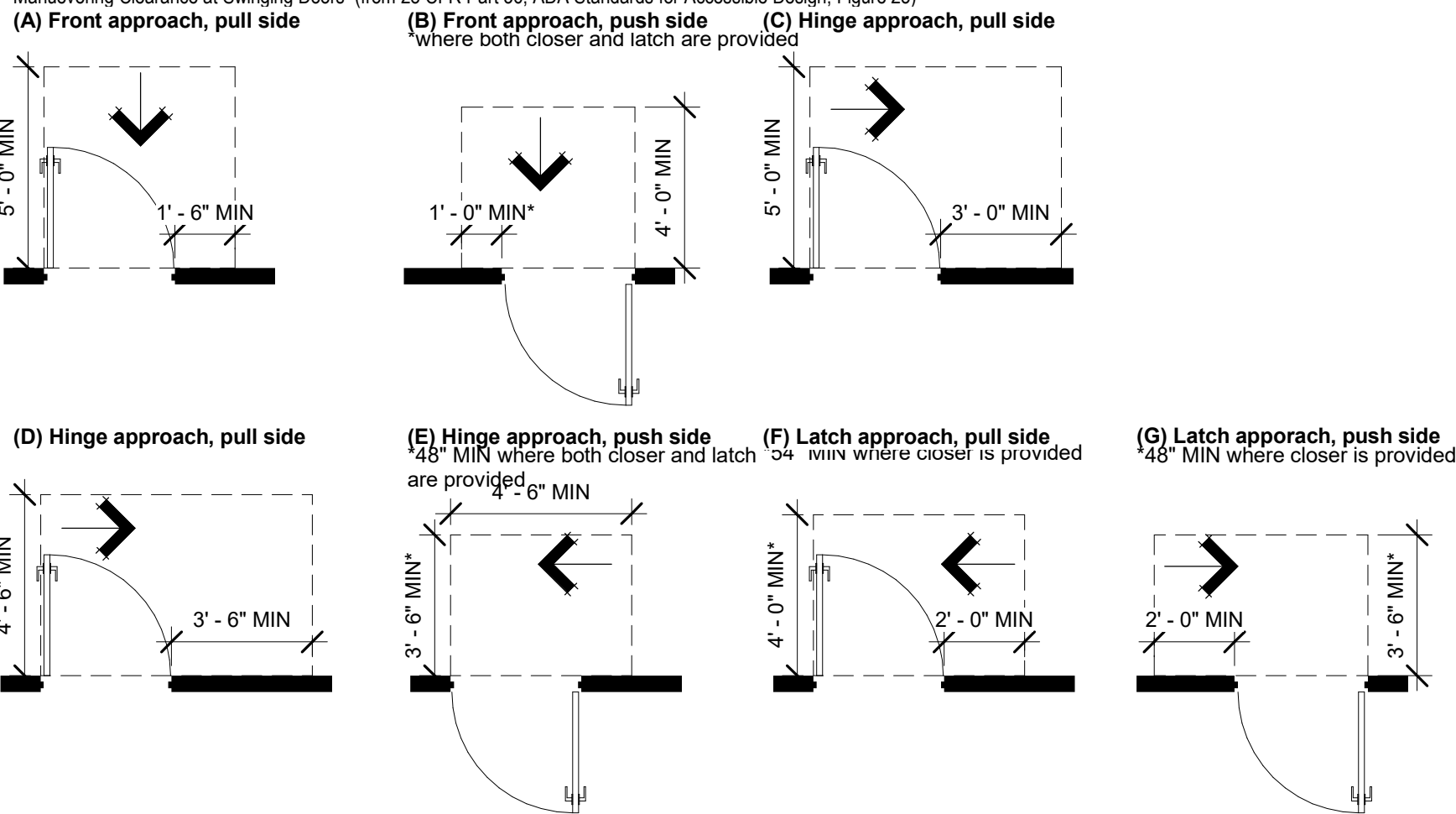
NAME	WATERCLOSETS			LAVATORIES		DRINKING FOUNTAINS	
	MALE	FEMALE	URINALS	MALE	FEMALE	REG.	ACC.
RESTROOM	1	1	0	1	1	*0	*0

*PER SECTION 410 OF THE INTERNATIONAL PLUMBING CODE: WHERE WATER IS SERVED IN RESTAURANTS, DRINKING FOUNTAINS SHALL NOT BE REQUIRED

GENERAL DOOR AND HARDWARE NOTES:

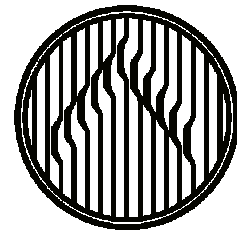
- A) HAND ACTIVATED DOOR OPENING HARDWARE IS TO BE MOUNTED 30" - 34" ABOVE THE FLOOR AND BE OPERABLE WITH A SINGLE EFFORT BY LEVER-TYPE HARDWARE.
- B) LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PUSH/PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED AND APPROVED FOR PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPERATING HARDWARE.
- C) MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8.5 POUNDS OF FORCE FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS. SUCH FORCE BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHERE FIRE DOORS ARE REQUIRED, THE MAXIMUM FORCE REQUIRED TO OPERATE THE DOOR MAY BE INCREASED TO 15 POUNDS.
- D) THE BOTTOM 10" OF ALL NON-AUTOMATED HINGED DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
- E) EVERY REQUIRED ENTRANCE OR PASSAGE DOORWAY SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 3'-0" IN WIDTH NOT LESS THAN AND 6'-8" IN HEIGHT. ALL DOORS SHALL BE CAPEABLE OF OPENING A MINIMUM OF NINETY DEGREES AND SHALL BE MOUNTED SUCH THAT THE CLEAR WIDTH OF THE DOORWAY IS NOT LESS THAN 32" WITH THE DOOR AT NINETY DEGREES FROM THE CLOSED POSITION. ONE DOOR OF A PAIR OF DOORS SHALL MEET THE MINIMUM WIDTH REQUIREMENTS.
- F) MAXIMUM HEIGHT OF THRESHOLD TO BE 1/2". MAXIMUM VERTICAL RISE AT EDGE IS 1/4" WITH A MAXIMUM BEVEL OF 22 DEGREES.
- G) ALL REUSED DOORS AND HARDWARE TO BE FULLY INSPECTED FOR SOUNDNESS AND FUNCTION. ANY REUSEABLE COMPONENT SHALL BE CLEANED, OILED, PATCHED, REFINISHED AS REQUIRED PRIOR TO REINSTALLATION IN NEW WORK.
- H) GENERAL CONTRACTOR AND HARDWARE SUPPLIER SHALL BE RESPONSIBLE FOR COODINATING ALL LOCKING, LATCHING, CLOSURE AND KEYING REQUIREMENTS FOR TENANT USE.
- J) IT SHALL BE THE SPECIFIC DUTY AND RESPONSIBILITY OF THE FINISH HARDWARE SUPPLIER TO EXAMINE DRAWINGS AND SCHEDULES AND FURNISH PROPER HARDWARE FOR ALL NEW AND/OR MODIFIED OPENINGS AS REQUIRED FOR A COMPLETE INSTALLATION. CONTRACTOR SHALL SUBMIT A HARDWARE SCHEDULE TO ARCHITECT FOR REVIEW AND APPROVAL OF TYPES AND STANDARDS OF QUALITY PROIR TO ORDERING.
- K) MATCH EXISTING OPENING WIDTH, HEAD & JAMB GWB CONSTRUCTION.
- L) ALL NEW DOORS TO HAVE 1/4" MAXIMUM UNDERCUT U.O.N.

Maneuvering Clearance at Swinging Doors (from 28 CFR Part 36; ADA Standards for Accessible Design; Figure 25)



S12 Required Door Clearances
1/4" = 1'-0"

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(214) 397-0305

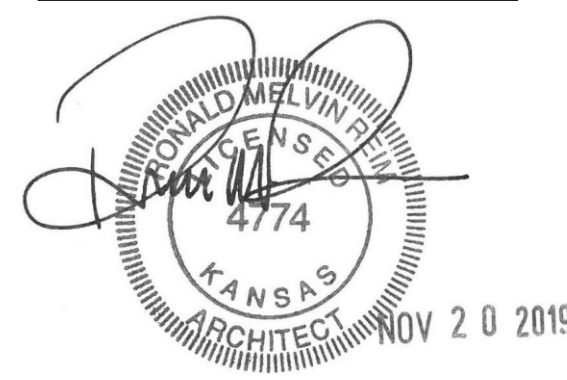


JERSEY MIKES - REGENCY PARK

9220 Metcalf Ave
Overland Park, KS 66212

#	Description	Date
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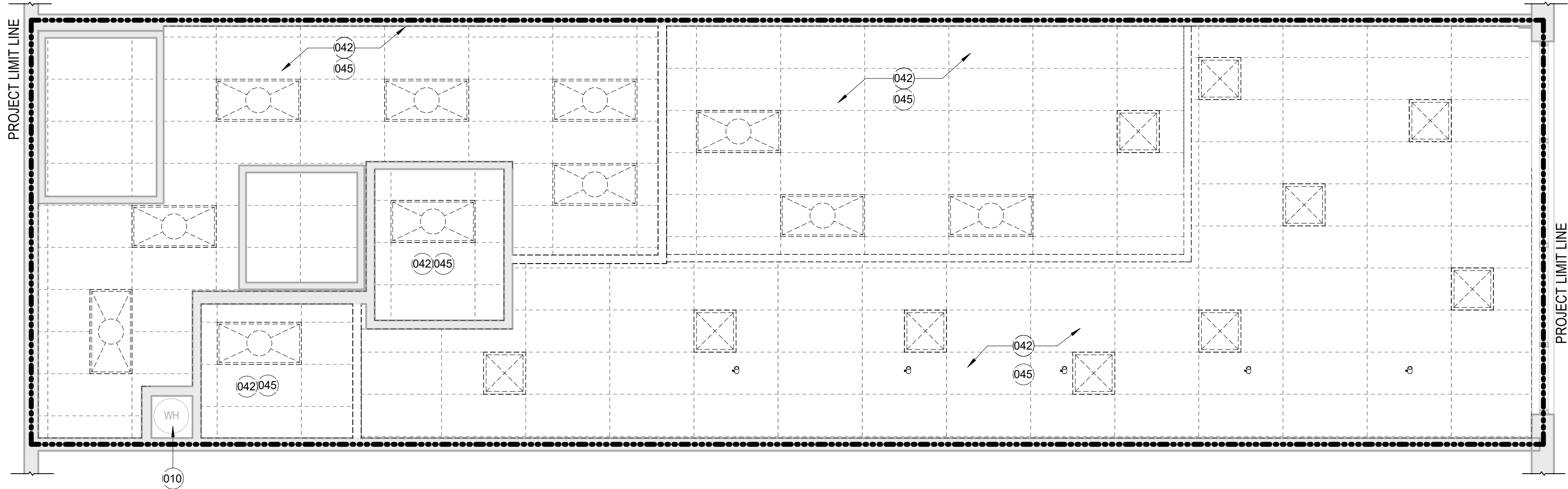
Client Approval

OCCUPANCY AND
EGRESS PLAN

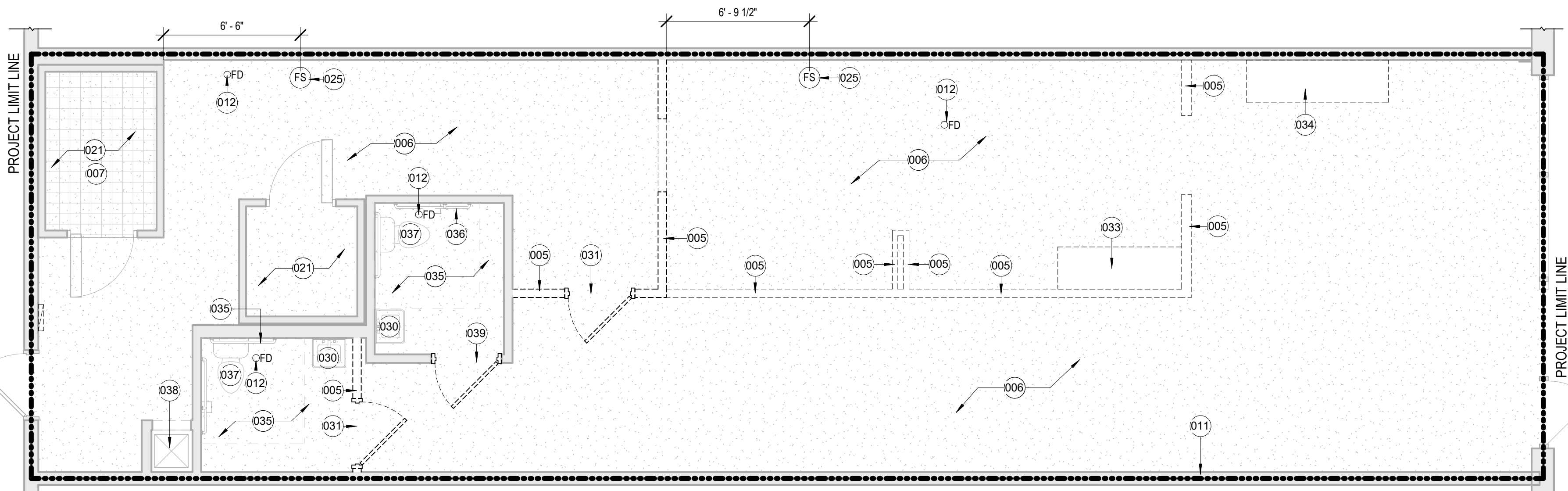
Project # 43419-KS02
Issue Date 11/20/2019
Scale 1/4" = 1'-0"
Drawn by JDW
Checked by MTB

A0.3

11/20/2019 10:45 AM JERSEY MIKES - REGENCY PARK



F4 DEMOLITION REFLECTED CEILING PLAN
1/4" = 1'-0"



M4 DEMOLITION FLOOR PLAN
1/4" = 1'-0"

SHEET NOTES

- A. DASHED LINES ON DEMOLITION PLAN REPRESENT ITEMS TO BE DEMOLISHED/REMOVED
B. PATCH AND REPAIR REMAINING EXISTING PARTITIONS THAT ARE DAMAGED BY DEMOLITION
C. PREPARE ALL SURFACES TO RECEIVE NEW FINISHES AS SCHEDULED. LEVEL FLOOR AS REQUIRED.
D. REMOVE AND CAP OFF ANY ELECTRICAL OUTLETS, TELEPHONE AND COMMUNICATION LINES, AND PLUMBING LINES WHICH OCCUR IN WALLS WHICH ARE BEING REMOVED AS SHOWN DASHED ON PLANS. OPERATION OF REMAINING SYSTEMS SHALL CONTINUE UNINTERRUPTED.
E. IF PLUMBING, WATER, WASTE OR VENT PIPES ARE ENCOUNTERED IN WALL SCHEDULED TO BE REMOVED, AND PIPE IS SCHEDULED TO BE ABANDONED AS A PART OF THIS WORK, REMOVE SECTION OF PIPES EXPOSED AND CAP OFF PIPE WITH-IN FLOOR, WALLS OR ABOVE CEILING. PATCH FLOOR, WALLS AND CEILING DAMAGED DURING PIPE REMOVAL AND CAPPING. IF PIPE IS NOT SCHEDULED TO BE ABANDONED AS A PART OF THIS WORK, RELOCATE PIPE TO THE NEAREST WALL OR COLUMN AND ENCLOSE IN WALL OR COLUMN.
F. GC TO PROTECT EXISTING SUB-GRADE BUILDING UTILITIES FROM DEMOLITION AND RECONNECT NEW SYSTEMS TO EXISTING WHERE AVAILABLE.
G. GC SHALL NOTIFY ARCHITECT WHEN DEMOLITION IS COMPLETE AND NEW CONSTRUCTION BEGINS.
H. CONTRACTOR TO VERIFY AND MAINTAIN EXISTING FIRE RATINGS OF EXISTING BUILDING COMPONENTS (DOORS, FRAMES, WALLS, ETC). MAINTAIN RATINGS THROUGHOUT NEW/DEMOLITION CONSTRUCTION ACTIVITIES.
I. GC TO PROTECT EXISTING CONSTRUCTION DURING DEMOLITION AND CONSTRUCTION PHASES.
J. GC TO REFERENCE MECHANICAL, ELECTRICAL, AND PLUMBING ENGINEERED DRAWINGS. NOTIFY ARCHITECT OF ANY DISCREPANCIES
K. IF DURING DEMOLITION CONDITIONS ARE REVEALED THAT MAY JEOPARDIZE THE INTEGRITY OF THE STRUCTURE OR PRECLUDE FOLLOWING DRAWINGS, GC TO SHORE STRUCTURES AND NOTIFY ARCHITECT AND OWNER IMMEDIATELY FOR FURTHER INSTRUCTION AND CONSULT OF A STRUCTURAL ENGINEER

KEY NOTES

KEY #	KEYNOTE TEXT
005	EXISTING WALL TO BE DEMOLISHED. PREPARE FLOOR SUBSTRATE FOR INSTALLATION OF NEW FINISHES INDICATED ON SHEET A2.2.
006	EXISTING FLOOR FINISHES & BASE TO BE REMOVED. PREPARE SUBSTRATE FOR REINSTALLATION OF NEW FINISHES AS REQUIRED PER MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS.
007	EXISTING FLOOR FINISHES TO REMAIN.
010	EXISTING WATER HEATER TO BE REUSED; REF. PLUMBING DRAWINGS
011	REMOVE CHAIR RAIL, TYP.
012	EXISTING FLOOR DRAIN LOCATION
021	EXISTING WALK-IN COOLER TO REMAIN.
025	EXISTING FLOOR SINK LOCATION TO REMAIN
030	EXISTING SINK TO REMAIN
031	EXISTING DOOR AND TRIM TO BE REPLACED.
033	DEMOLISH EXISTING COUNTERTOP
034	DEMOLISH EXISTING COUNTERTOP AND CABINETS; PREP AREA FOR NEW FINISHES
035	EXISTING WALL TILE TO BE REMOVED. PREP WALL FOR NEW FINISHES
036	EXISTING GRAB BARS TO REMAIN
037	EXISTING TOILET TO REMAIN
038	EXISTING MOP SINK TO REMAIN. GC TO CLEAN AND DELIVER IN LIKE NEW CONDITION
039	EXISTING DOOR AND HARDWARE TO REMAIN; DOOR SWITCHED TO SWING IN
042	EXISTING LIGHTING AND CEILING TO BE REMOVED
045	EXISTING SPRINKLER HEADS TO BE REWORKED AS NEEDED FOR NEW LAYOUT. SPRINKLER CONTRACTOR IS RESPONSIBLE FOR PREPARING SPRINKLER DRAWINGS AND PERMITS, NOT IN CONTRACT.

WALL & DOOR LEGEND

	EXISTING CONSTRUCTION TO BE DEMOLISHED
	EXISTING CONSTRUCTION TO REMAIN.
	PARTITION
	RATED PARTITION
	LOW PARTITION, SEE SECTIONS FOR HEIGHT
	EXISTING DOOR TO REMAIN
	EXISTING DOOR TO REMOVE (DEMO)
	EXISTING DOOR RELOCATED
	NEW CONSTRUCTION DOOR

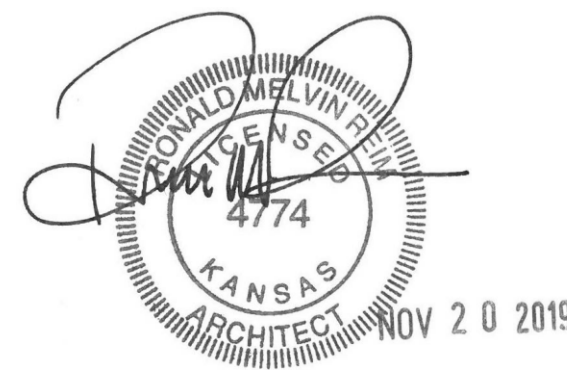


JERSEY MIKES - REGENCY PARK

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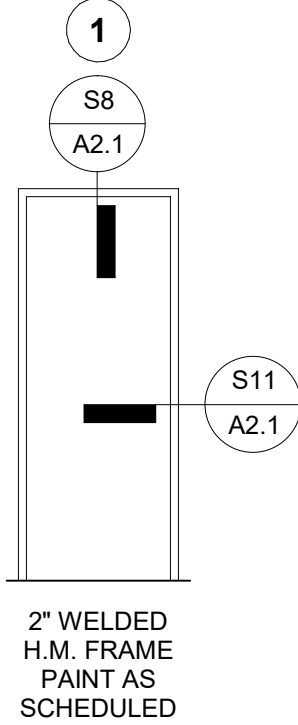
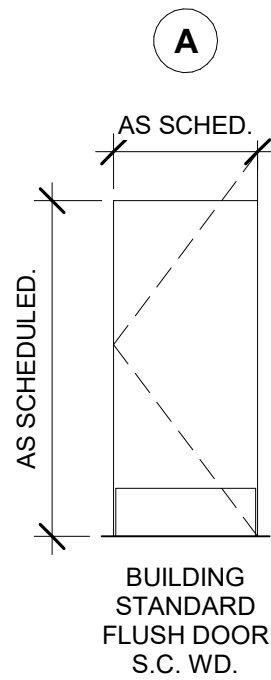
Client Approval

DEMOLITION PLAN

Project #	43419-KS02
Issue Date	11/20/2019
Scale	As indicated
Drawn by	JDW
Checked by	MTB

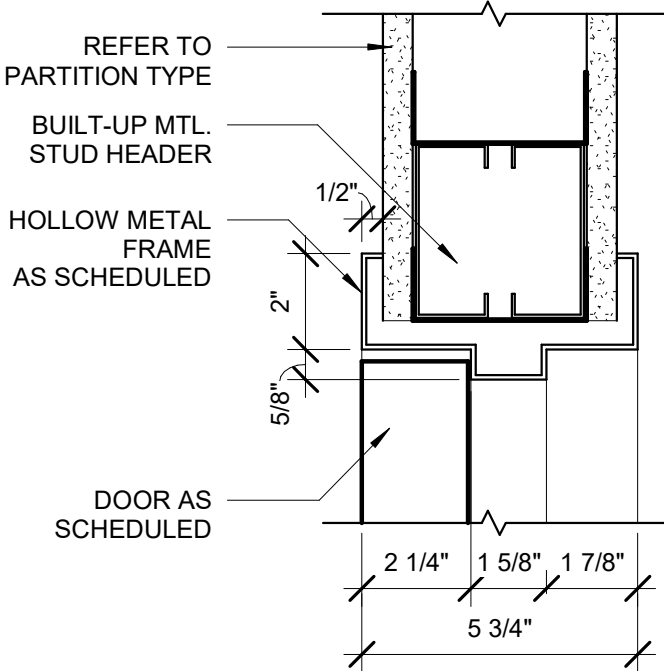
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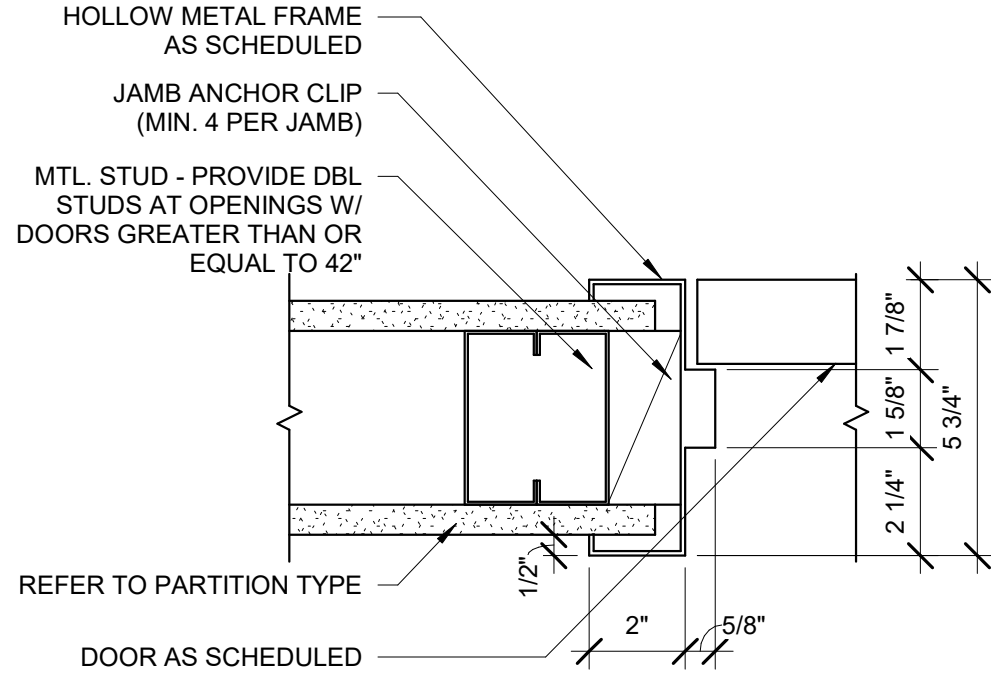


DOOR ABBREVIATIONS:

AL-SF	ALUMINUM STOREFRONT
CO	CASED OPENING
CG	COILING GRILLE
F	FLUSH
F (D)	FLUSH (DUTCH)
FACT	FACTORY
FG	FULL GLASS
FR 45	FIRE RATING LABEL IN MINUTES
G	GLASS
GL-1	GLAZING TYPE
HO	HOLD-OPEN
HW	HARDWARE
MFR	MANUFACTURER'S STANDARD
NCO	NON-CASED OPENING
OPP	OPPOSITE
PNL	PANEL
PR	PAIR
PS	POCKET SLIDE
PT	PAINT
PVC	POLYVINYL CHLORIDE
S	SMOKE CONTROL "S" LABEL
STL-CC	STEEL COMPOSITE CORE
STL-KD	STEEL KNOCK-DOWN
STL-W	STEEL WELDED
T	TEMPERATURE RISE LABEL - DOOR
TC	TRANSPARENT FINISH - CLEAR
TS	TRANSPARENT FINISH - STAINED
WD	WOOD
WD-HC	WOOD HOLLOW CORE
WD-SC	WOOD SOLID CORE



S8 DETAIL @ TYP DOOR HEAD
3\"/>



S11 DETAIL @ TYP DOOR JAMB
3\"/>

DOOR SCHEDULE

DOOR #	WIDTH	HEIGHT	DOOR			HARDWARE	FRAME		Comments
			THICKNESS	TYPE	MATERIAL		TYPE	MATERIAL	
100	3' - 0"	7' - 0"	0' - 1 3/4"	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXISTING DOOR AND HARDWARE TO REMAIN
101	3' - 0"	7' - 0"	0' - 1 3/4"	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXISTING DOOR AND HARDWARE TO REMAIN; DOOR TO SWING INTO RESTROOM; FINISH DOOR PT-5
102	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD-SC	HW1	1	STL-W	FINISH DOOR PT-5
103	3' - 0"	7' - 0"	0' - 6"	-	-	-	-	-	EXISTING DOOR AND HARDWARE TO REMAIN; VISION LIGHT TO BE TEMPERED OR LAMINATED GLASS
104	3' - 0"	7' - 0"	0' - 6"	-	-	-	-	-	EXISTING DOOR AND HARDWARE TO REMAIN; VISION LIGHT TO BE TEMPERED OR LAMINATED GLASS
105	3' - 0"	7' - 0"	0' - 1 3/4"	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXISTING DOOR AND HARDWARE TO REMAIN

DOOR TYPES:

FRAME TYPES:

DOOR ABBREVIATIONS:

WALL AND DOOR LEGEND

	EXISTING CONSTRUCTION TO BE DEMOLISHED
	EXISTING CONSTRUCTION TO REMAIN.
	PARTITION
	RATED PARTITION
	LOW PARTITION, SEE SECTIONS FOR HEIGHT
	EXISTING DOOR TO REMAIN
	EXISTING DOOR TO REMOVE (DEMO)
	EXISTING DOOR RELOCATED
	NEW CONSTRUCTION DOOR

SHEET NOTES:

- ALL DOOR OPENINGS PERPENDICULAR TO A WALL ARE 6" FROM THE WALL UON
- GC TO NOTIFY ARCHITECT OF ANY DISCREPENCIES PRIOR TO CONSTRUCTION.
- REFER TO SHEET A0.3 FOR ACCESSIBLE DOOR CLEARANCES
- ALL DIMENSIONS ARE TO FINISH FACE OF GWB UON
- REFERENCE SHEET A6.0 FOR PARTITION TYPES
- SWINGING DOOR AND GATE SURFACES WITHIN 10" OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN 1/16" OF THE SAME PLANE AS THE OTHER. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED. ADA 404.2.10.
- ACCESSIBLE TABLES SHALL BE POSITIONED FOR A FORWARD APPROACH WITH CLEAR FLOOR SPACE COMPLIANT WITH ADA 305, SHALL BE 28" TO 34" IN HEIGHT TO THE TOP. HAVE 27" MINIMUM HIGH KNEE SPACE AND HAVE KNEE AND TOE CLEARANCE TO MEET ADA 306. ALL FOOD CONDIMENTS, UTENSILS, DRINKS DISPENSERS, ETC. SHALL BE LOCATED WITHIN THE REACH RANGES REQUIRED BY ADA AND NO HIGHER THAN 48" ABOVE THE FLOOR.

H3 FLOOR PLAN

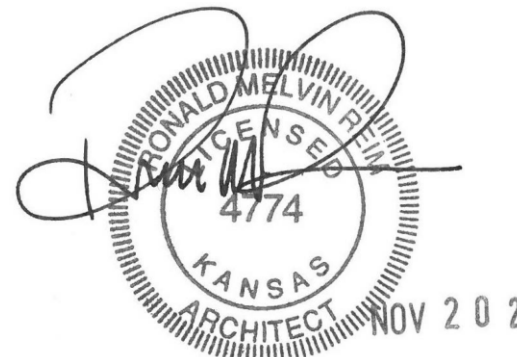
1/4" = 1'-0"

#	Description	Date
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KEYNOTES: (XX)

KEY #	KEYNOTE TEXT
013	NEW ELECTRICAL PANEL. PROVIDED BY LANDLORD. REF. ELECTRICAL DRAWINGS.
051	MILLWORK/CASEWORK BY GC
052	WALK-IN COOLER BY NORLAKE KLB-74 x -C -.36", SUPPLIED BY ECO, FLOORLESS, SELF-CONTAINED CAPSULE PAK SYSTEM
053	STEP-IN FREEZER BY NORLAKE KLF-77 x -C -.36", SUPPLIED BY ECO, 4" STEP-UP FLOOR PANEL, SELF CONTAINED CAPSULE PAK SYSTEM. FLOORING NOT REQUIRED UNDERNEATH FREEZER.
059	HALF-HEIGHT PARTITION BELOW, SEE SECTIONS

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Client Approval

ARCHITECTURAL FLOOR PLAN

Project #	43419-KS02
Issue Date	11/20/2019
Scale	As indicated
Drawn by	JDW
Checked by	MTB

A2.1

Oculus Inc.
CONNECT • SHAPE • MOVE

Jersey Mike's SUBS

JERSEY MIKES - REGENCY PARK

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ARCHITECTURE • INTERIOR DESIGN • PLANNING
750 N. ST. PAUL STREET | SUITE 1425 DALLAS, TX 75201
(214) 397-0305

FINISH FLOOR NOTES

- NO PAINTING OR INTERIOR FINISHING SHALL BE DONE UNDER CONDITIONS WHICH WILL JEOPARDIZE THE QUALITY OR APPEARANCE OF SUCH WORK. ALL WORKMANSHIP WHICH IS JUDGED LESS THAN FIRST QUALITY BY THE ARCHITECT WILL BE REJECTED. FLAME SPREAD TO BE CLASS I: 0-25. SMOKE DENSITY TO BE LESS THAN 450.
- ALL SURFACES SHALL BE PREPARED TO RECEIVE THE SPECIFIED FINISH. ALL GYPSUM BOARD PARTITIONS SHALL BE TAPED, SPACKLED AND SANDED SMOOTH AND PREPARED TO RECEIVE THE SPECIFIED FINISH.
- PROVIDE ONE PRIMER COAT AND 2 FINISH COATS AT ALL PAINTED WALLS.
- SEE FINISH PLAN, ELEVATIONS AND DETAILS FOR CLARIFICATION OF EXTENT OF FINISH MATERIALS.
- ALL VERTICAL SURFACES U.O.N. SHALL RECEIVE WALL BASE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALLOWING FOR DELIVERY LEAD TIMES FOR ALL FABRICS AND OTHER CUSTOM FINISHES WITHIN THE CONSTRUCTION SCHEDULE. ALL DELIVERY TIMES MUST BE CONFIRMED, AND ANY EXCESSIVE LEAD TIME MUST BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY TO ALLOW FOR RE-SPECIFICATION IF NECESSARY.
- EXAMINE ALL FINISH SURFACES AFTER COMPLETION OF WORK AND "TOUCH-UP" AS REQUIRED. UPON COMPLETION, REMOVE ALL PAINT FROM WHERE IT HAS SPILLED, SPLASHED OR SPLATTERED ON EXPOSED SURFACES.
- INTERIOR GYPSUM BOARD SURFACES SHALL BE WIPED WITH A DAMP CLOTH JUST PRIOR TO APPLICATION OF THE FIRST COAT, IN ORDER TO LAY FLAT ANY NAP WHICH MAY HAVE FORMED IN SANDING PROCESS.
- ALL INTERSECTIONS OF FLOOR FINISH MATERIALS SHALL BE LOCATED DIRECTLY UNDER CENTER OF DOOR, WHERE OCCURS. U.O.N.
- REFERENCE INTERIOR ELEVATIONS FOR WALL FINISHES.

ROOM FINISH SCHEDULE

RM #	RM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	COMMENTS
100	DINING	FF-1	BT-1	SEE ELEV.	CT-2	
101	KITCHEN/PREP	QT-1	BT-3	SEE ELEV.	CT-1	
102	HALL	FF-1	BT-1	SEE ELEV.	CT-2	
103	RESTROOM	FF-1	BT-1	SEE ELEV.	CT-2	
104	RESTROOM	FF-1	BT-1	SEE ELEV.	CT-2	
105	CLEAN-UP	QT-1	BT-3	SEE ELEV.	CT-1	
106	FREEZER	N/A	N/A	N/A	CT-2	
107	WALK-IN COOLER	QT-1	N/A	N/A	CT-2	

FINISH SPECIFIATIONS

FLOORING AND WALL BASE					
TAG	SOURCE	TYPE	DESCRIPTION	COLOR	COMMENTS
FF-1	DAL TILE	PROCELAIN TILE	6X36 JM BROWN WOOD	PART #N813 JM6361PR	CUSTOMER AREAS - DINING, RESTROOM, AND HALLWAY(S). 6"X36", 5/16 D. GROUT; MAPEI ULTRACOLOR PLUS FA - GRAY 09. GROUT JOINT RECOMMENDED AT 3/16"
FF-2					ALTERNATIVE TO FF-1
QT-1	DAL TILE	QUARRY TILE	6X6 PAVER 0Q74	BLACK	KITCHEN FLOORING. GROUT: MAPEI FLEXCOLOR CQ10 BLACK
BT-1	DAL TILE	PROCELAIN TILE	IRON CRAFT	SABLE BLACK IC15 - UNPOLISHED	CUT FULL 12"X24" TILE (WT-2) DOWN TO 6"X12" FOR DINING ROOM WALL BASE, AND 4"X12" ON MILLWORK TOE KICK IN CUSTOMER AREAS. REFERENCE NOTES FOR COVE BASE. GROUT: MAPEI ULTRACOLOR PLUS FA - GRAY 09
BT-3	DAL TILE	6X6 QUARRY COVE TILE	6X6 QUARRY COVE TILE 0Q74	BLACK	WILL BE INSTALLED AROUND THE PERIMETER OF KITCHEN AND KITCHEN MILLWORK TOE KICK. GROUT: MAPEI FLEXCOLOR CQ10 BLACK

NOTES:

- IF INTERIOR TRANSITIONS STRIPS ARE TO BE REQUIRED, USE SCHULTER-RENO IN SATIN ANODIZED ALUMINUM.
- FOR COVE BASE APPLICATION IN THE RESTROOM(S), USE SCHLUTER DILEX-AHK (POLISHED NICKEL) BELOW FULL WT-2 TILES. NO CUT TILE IS REQUIRED. REFER TO ELEVATIONS.
- FOR COVE BASE APPLICATION IN THE DINING ROOM, USE SCHLUTER DILEX-AHK (POLISHED NICKEL)

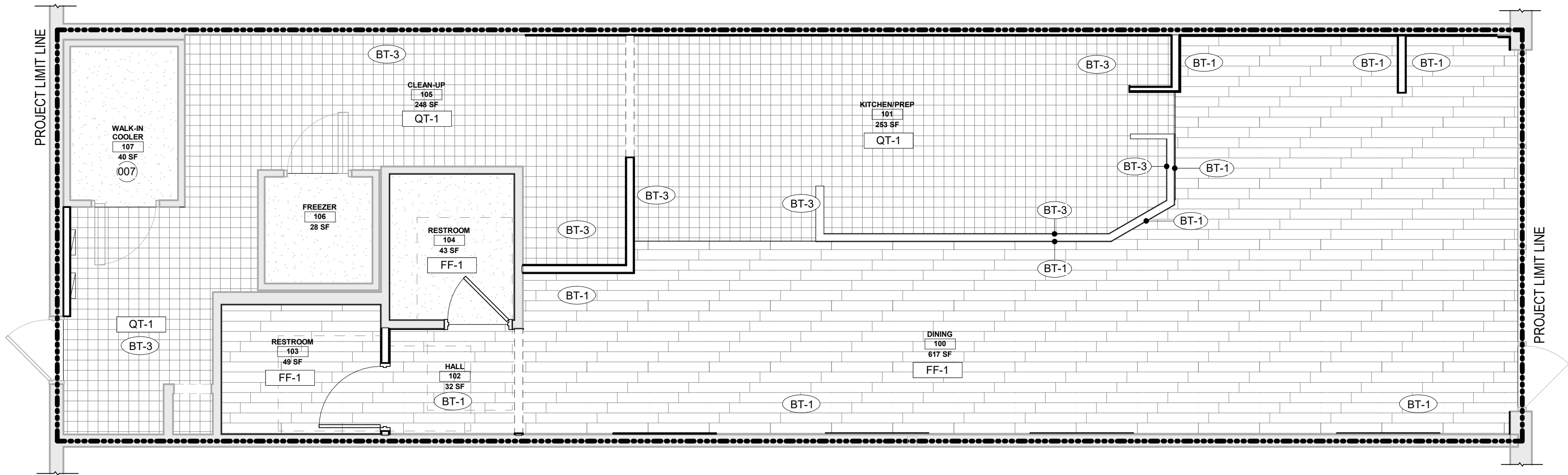
COUNTER FINISHES					
TAG	SURFACE	SOURCE	PRODUCT	COLOR	COMMENTS
SS-1	COUNTERTOP	CONSENTINO	SILESTONE - ETERNAL SERIES 2 CM	CHARCOAL SOAPSTONE - SUEDE	COUNTERTOP FINISH FOR ALL MILLWORK

FINISH REMOVED

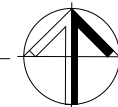
WOOD					
TAG	SURFACE	SOURCE	PRODUCT	COLOR	COMMENTS
WD-1	WAINSCOT	GC	1"X SHIPLAP, D. FIR NO2 (STANDARD) GRADE, SMOOTH FINISH	PAINTED PT-1	BEHIND BEACH CHAIR GRAPHICS IN DINING ROOM - REFER TO ELEVATIONS ON THE FRONT LINE SOFFIT. FACE OF COUNTER ON THE FRONT LINE.
WD-2	WAINSCOT	TERRAMAI	MISSION OAK FSC RECLAIMED OAK	CLEAR OIL	ACCENT WALL (PER PLAN), BOTTOM OF CHAIR RAIL IN DINING ROOM AND VESTIBULE. BEVERAGE COUNTER MILLWORK DOORS, BANQUETTE BACK AND SEAT. USE SCHULTER JOLLY (POLISHED NICKEL) FOR WALL EDGING, WHEN REQUIRED.
WD-3	BAR COUNTER	TERRAMAI	TEAK		GC TO ORDER FROM TERRAAI. TABLETOP TO MATCH DINING ROOM TABLE TOPS
WD-4	FURNITURE BASE	GC		PAINTED PT-1	CONSTRUCTION OF DINING ROOM FURNITURE - COMMUNITY TABLE, BANQUETTE, AND BAR COUNTER.
WD-5	HARDWOOD CAP	GC	3/4" HARDWOOD	PAINTED PT-6	FOR LOW WALL CAP AND WINDOW SILLS, WHEN CONDITION(S) OCCUR. ALLOW 1/2" OVERHANG.

UPHOLSTERY

TAG	SURFACE	SOURCE	PRODUCT	COLOR	COMMENTS
UP-1	BANQUETTE	DESIGNTEX	LUDINGTON 3285	EARTH 702	BANQUETTE SEATING



F5 FINISH FLOOR PLAN
1/4" = 1'-0"



WALL FINISHES					
TAG	SURFACE	SOURCE	PRODUCT	COLOR	COMMENTS
W-1	STAINLESS STEEL WAINSCOT	CAPTIVE AIRE	BRUSHED S/S 20 GAUGE FROM TOP OF Q.T. BASE		FULL HEIGHT TO HOOD, BEHIND GRILL AND BREAD OVEN AREA
W-2	FRP WALL PANELING	MARLITE		WHITE	BACK KITCHEN FOOD PREP AREA

LAMINATES

TAG	SURFACE	SOURCE	PRODUCT	COLOR	COMMENTS
PL-1	MILLWORK	WILSONART	STEEL MESH	FINE VELVET FINISH 4879-38	MILLWORK BEHIND THE SERVICE LINE AND BACK KITCHEN. USE PVC EDGE BANDING.
PL-2	CUTTING BOARDS	WILSONART	NATURAL RECON	FINE VELVET FINISH 7996-38	21 1/4" X 21 1/4" X 1" CUTTING BOARDS FOR PICK UP TOWER. QUANTITY 6

PAINT

TAG	SURFACE	SOURCE	PRODUCT	COLOR	COMMENTS
PT-1	SHIP LAP, SOFFIT, AND RESTROOM CEILINGS	BENJAMIN MOORE	OC-130	CLOUD WHITE, SATIN	CUSTOMER AREA SHIPLAP (AND SHIPLAP TRIM), FRONT LINE SOFFIT, AND RESTROOM WALLS (ABOVE TILE)
PT-2	5/8" GWP PAINTED	BENJAMIN MOORE	1613	SILENT NIGHT, SATIN	DINING ROOM AND HALLWAY WALLS ABOVE CHAIR RAIL.
PT-3	DOOR FRAME	BENJAMIN MOORE	1615	ROCK GRAY, SATIN	DOOR FRAME, IN OPEN CEILING CONDITION, EVERYTHING ABOVE 12' AFF IN DINING ROOM
PT-4					
PT-5	INTERIOR DOORS	MINWAX	WOOD FINISH PENETRATING STAIN	WEATHER OAK 270	FINISH WITH CLEAR TOP COAT
PT-6	UPPER DINING ROOM WALLS, DINING ROOM CEILING, LOW WALL/ SILL CAP	BENJAMIN MOORE	#2132-10	BLACK, EGGSHELL OR SEMI GLOSS	LOW WALL CAP AND WINDOW SILL FINISH.

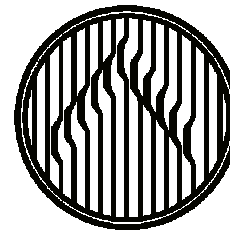
WALL TILE

TAG	SURFACE	SOURCE	PRODUCT	COLOR	COMMENTS
WT-1	CERAMIC TILE	DAL TILE	2X8 MOD JM BLUE	PART#: N519 JM28MOD1P2. GROUT: MAPEI UP TRACOLOR PLUS FA-IRON 107	BACK SPLASH TILE IN KITCHEN AND BEVERAGE COUNTER. RUNNING BOND. USE SCHULTER JOLLY (POLISHED NICKEL) FOR EDGING
WT-2	CERAMIC TILE	DAL TILE	IRONCRAFT	SABLE BLACK IC15-UNPOLISHED - 12"X24". GROUT: MAPEI ULTRACOLOR PLUS FA - GRAY 09.	BATHROOM BOTTOM WALL TILE. USE SCHULTER JOLLY (POLISHED NICKEL) FOR EDGING

METAL

TAG	SURFACE	SOURCE	PRODUCT	COLOR	COMMENTS
M-1	CHAIR RAIL	GC	1/8" X 3 1/2" HOT ROLLED STEEL	PAINTED IN BLACK SEMI-GLOSS	DINING ROOM CHAIR RAIL, WITH BUTTON HEAD HEX SOCKET SCREW

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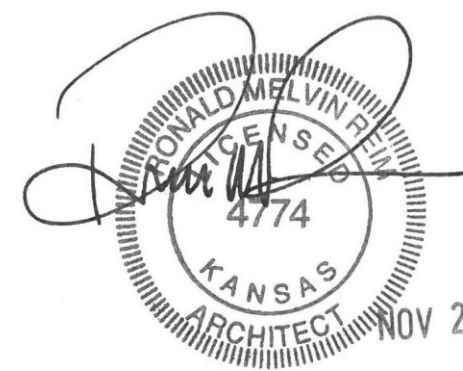


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#	Description	Date
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FINISH PLAN AND SCHEDULE

Project #	43419-KS02
Issue Date	11/20/2019
Scale	As indicated
Drawn by	JDW
Checked by	MTB

A2.2

SHEET NOTES:

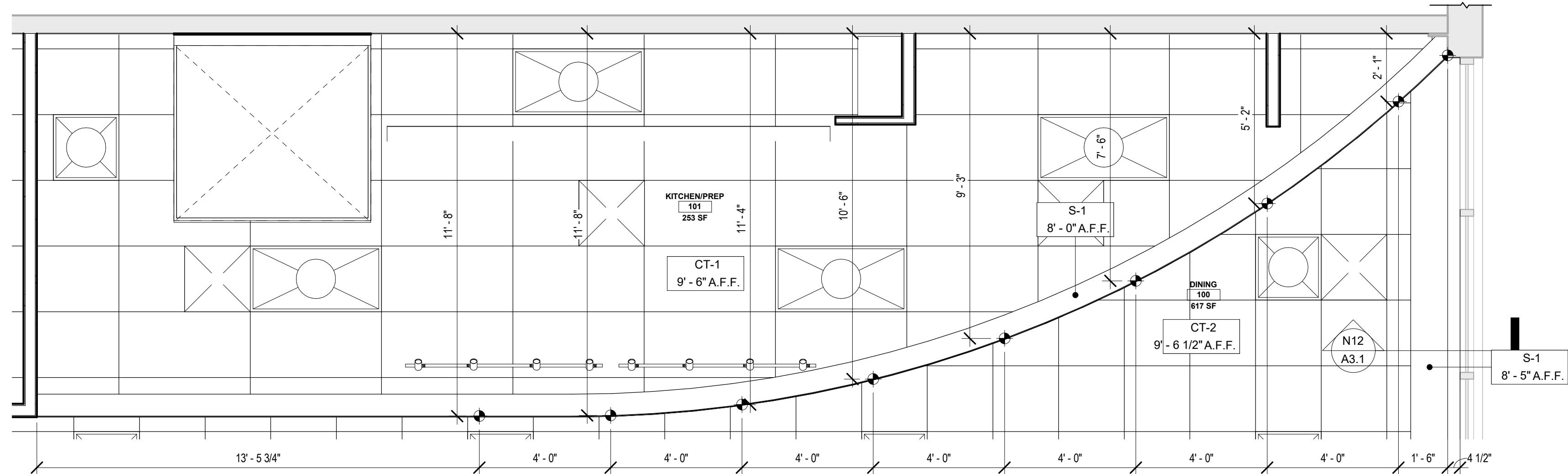
- LIGHT SWITCHES ARE TO BE MOUNTED AT 42" AFF TO CENTER OF SWITCH UON.
- FIXTURES SHOWN ARE FOR LOCATION INFORMATION ONLY. REFERENCE MEP DRAWINGS FOR FIXTURE DESIGNATIONS AND CONNECTIONS.
- LIGHT FIXTURES ARE TO BE CENTERED ON CEILING TILES UON.
- POWER AND DATA LOCATIONS SHOWN ON THIS PLAN ARE FOR INFORMATION ONLY. REFERENCE DESIGN/BUILD ELECTRICAL PLANS FOR QUANTITY/LOCATION OF ALL ELECTRICAL OUTLETS AND FIXTURES.
- SEE FINISH LEGEND FOR ACOUSTICAL CEILING GRID AND TILE INFORMATION (SHEET A2.2)
- SEE SHEET A3.1 FOR TYPICAL SEISMIC BRACING INFORMATION AS REQUIRED BY LOCAL BUILDING CODES AND ORDINANCES
- GC TO REPAIR/REPLACE ANY DAMAGED CEILING PANELS OR GRID COMPONENTS AS NECESSARY - MATCH ADJACENT EXISTING
- QUANTITIES ARE FOR REFERENCE ONLY, GC TO VERIFY IN FIELD.

KEYNOTES: (xx)

KEY #	KEYNOTE TEXT
048	TRACK LIGHTS TO BE POINTED DOWN TOWARD THE MEAT CASE AND SLICER.
057	GC TO DIRECT LIGHTS ON MENU
203	REF ELEVATIONS FOR MOUNTING HEIGHT AND LOCATION OF LIGHT FIXTURE.
204	SUSPENDED MENU, PROVIDED BY OTHERS
205	SPRINKLER HEADS WILL NEED TO BE PROVIDED ON BOTH SIDES OF MENUBOARD(S)
208	FINISHED HEIGHT OF HEADER TO BE 7'-0" AFF. PAINT UNDERSIDE OF HEADER PT-1.

G1 REFLECTED CEILING PLAN

1/4" = 1'-0"

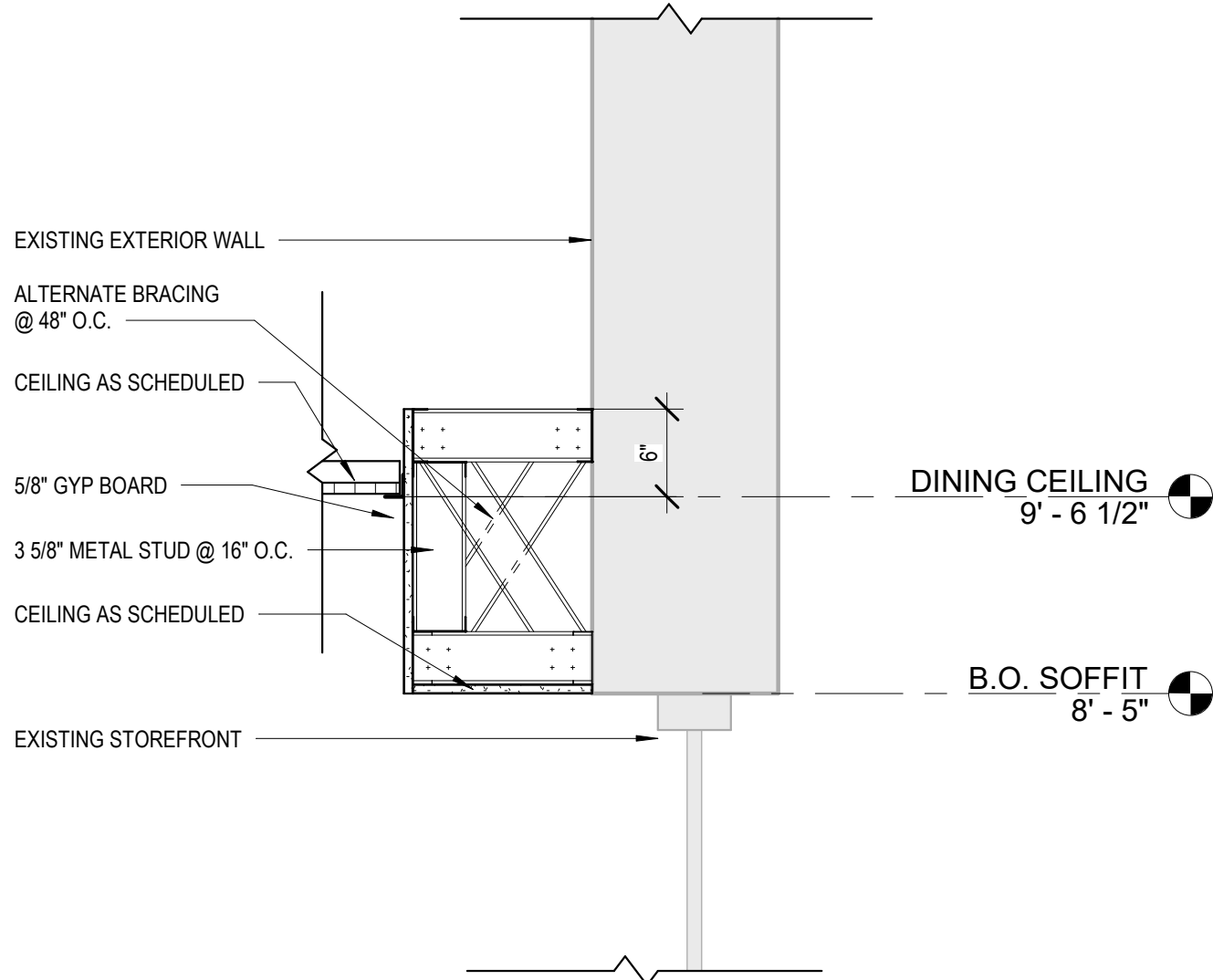


M1 DIMENSIONS @ SOFFIT

3/8" = 1'-0"

N12 SECTION @ SOFFIT

1" = 1'-0"



CEILING LEGEND

FLOORING AND WALL BASE					
TAG	SOURCE	TYPE	COLOR	SIZE	COMMENTS
CT-1	SOURCE: ARMSTRONG	ACOUSTIC CEILING TILE VINYL FACED	WHITE VINYL	SIZE: 2' X 4'	FOOD PREP AREAS HD APPROVED VINYL FACED
CT-2	SOURCE: ARMSTRONG	ACOUSTIC CEILING TILE FISSURED 2X2 WITH TEGULAR EDGE	WHITE	SIZE: 2' X 2'	CUSTOMER AREA, RESTROOM VESTIBUL, AND RESTROOMS
S-1	SOURCE: BENJAMIN MOORE		PT-2		SEE DETAIL

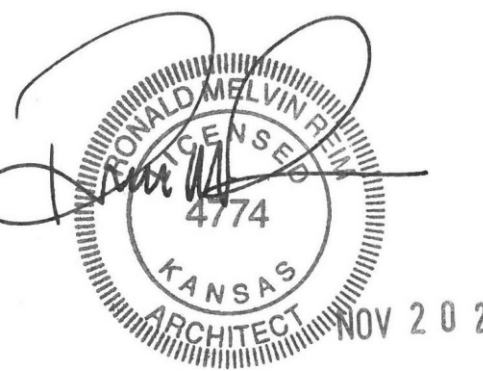


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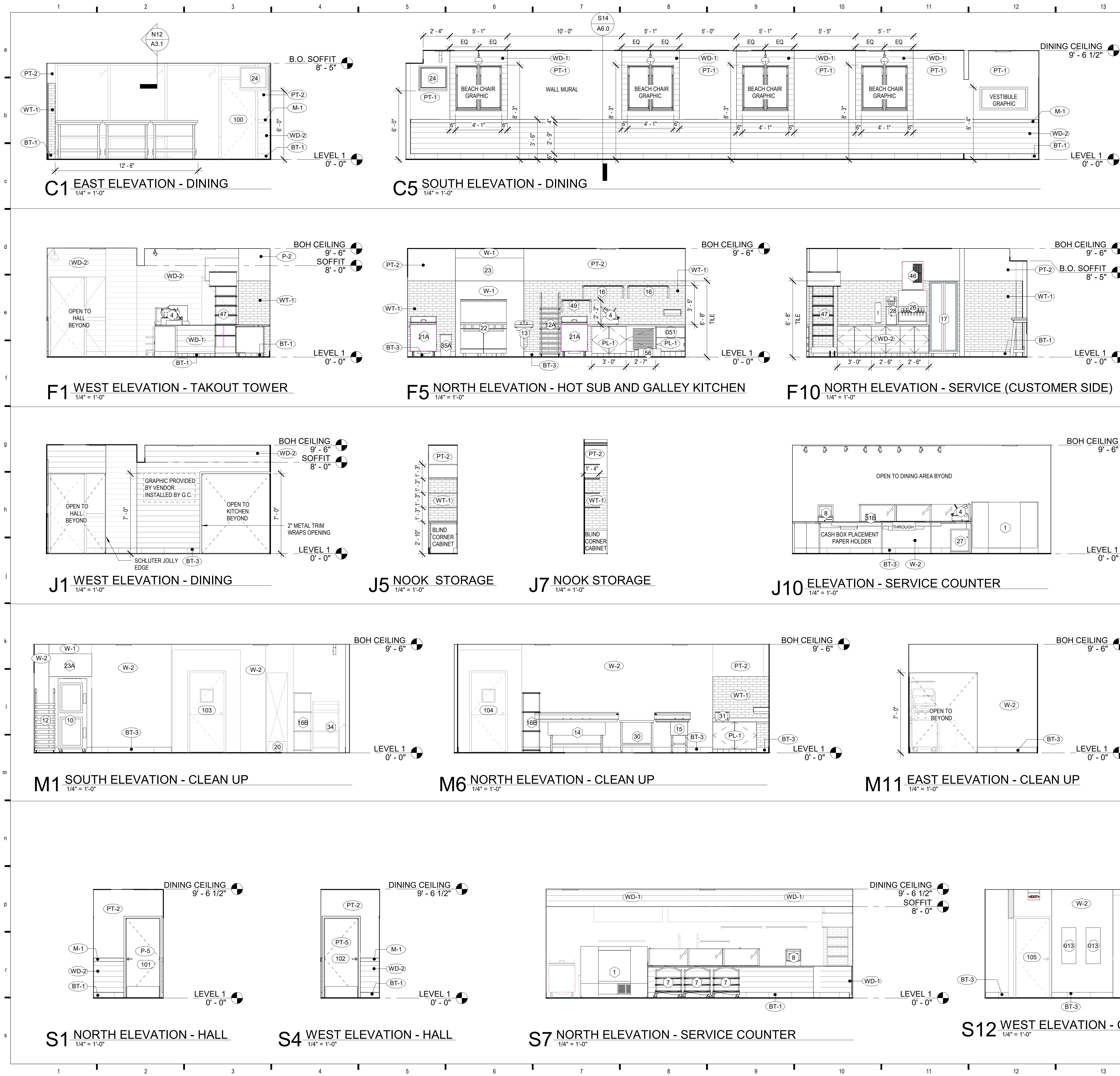
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REFLECTED CEILING PLAN

Project # 43419-KS02
Issue Date 11/20/2019
Scale As indicated
Drawn by JDW
Checked by MTB

A3.1



SHEET NOTES:

- ALL WALL-MOUNTED FIXTURES WILL REQUIRE BLOCKING, ALL WOOD BLOCKING TO BE FIRE RETARDANT TREATED WOOD.
- REFER TO FINISHES LEGEND - (A2.1) FOR FINISH DESIGNATIONS.
- REFER TO FINISH SCHEDULE - (A2.1) FOR CEILING TYPES
- REFER TO R1.1 FOR EQUIPMENT INFORMATION

KEYED NOTES: (xx)

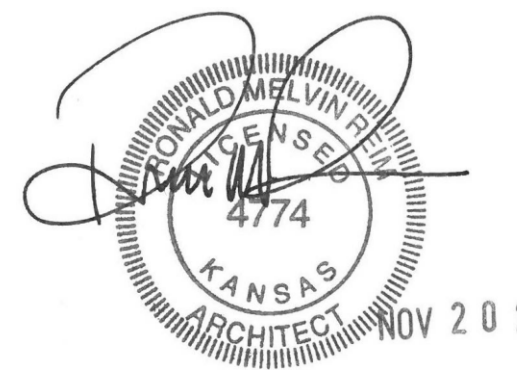
KEY #	KEYNOTE TEXT
013	NEW ELECTRICAL PANEL. PROVIDED BY LANDLORD. REF. ELECTRICAL DRAWINGS.
051	MILLWORK/CASEWORK BY GC



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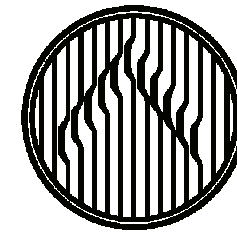
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INTERIOR ELEVATIONS

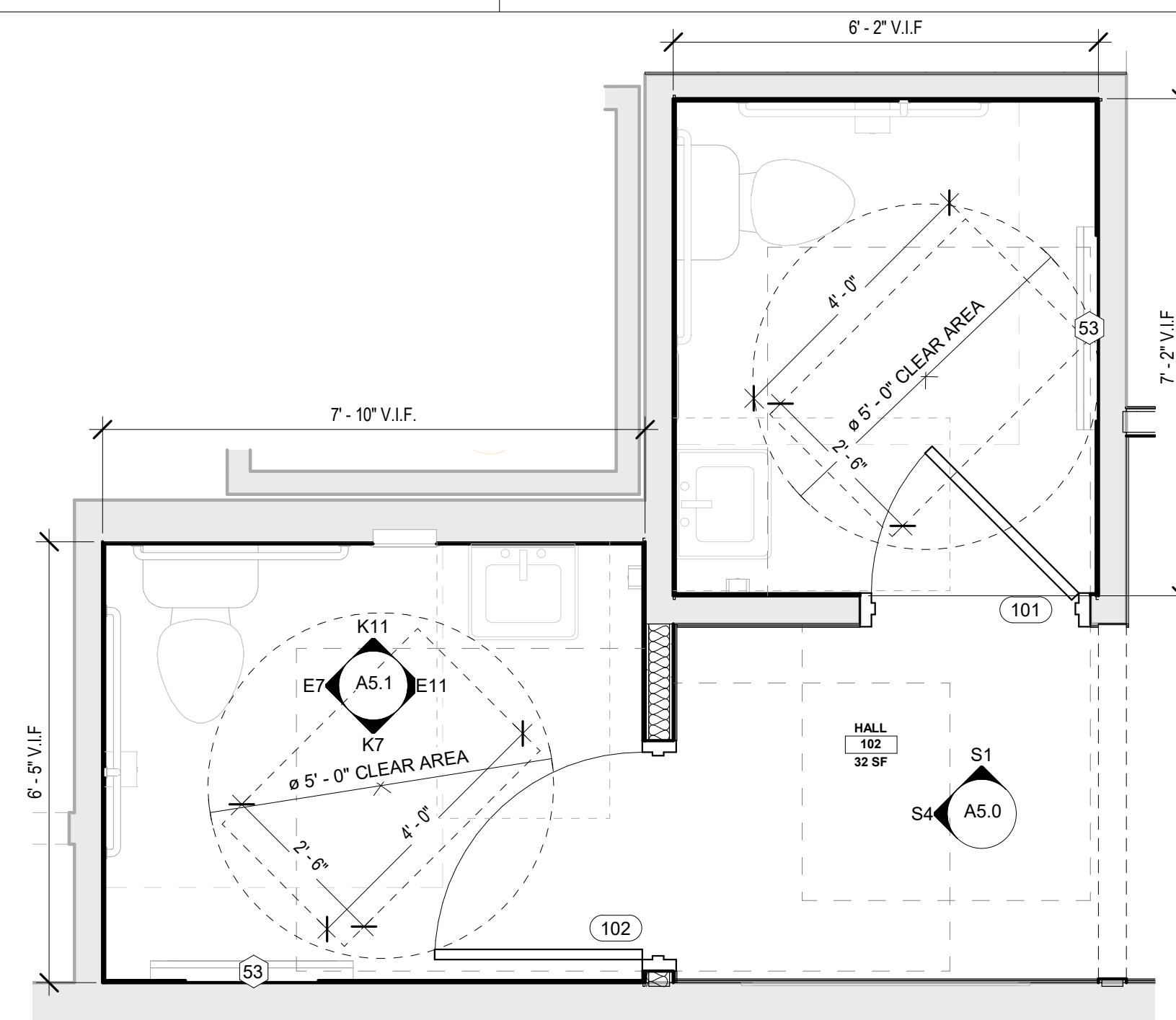
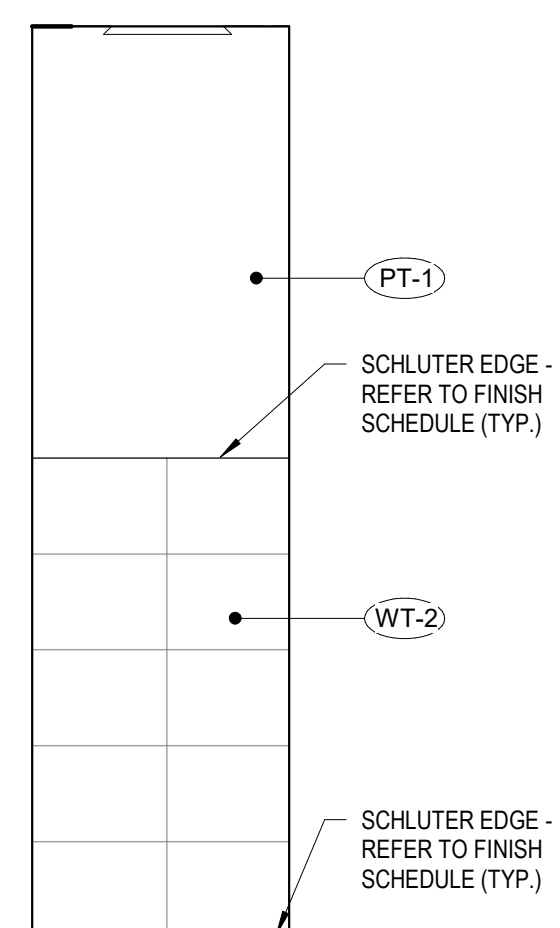
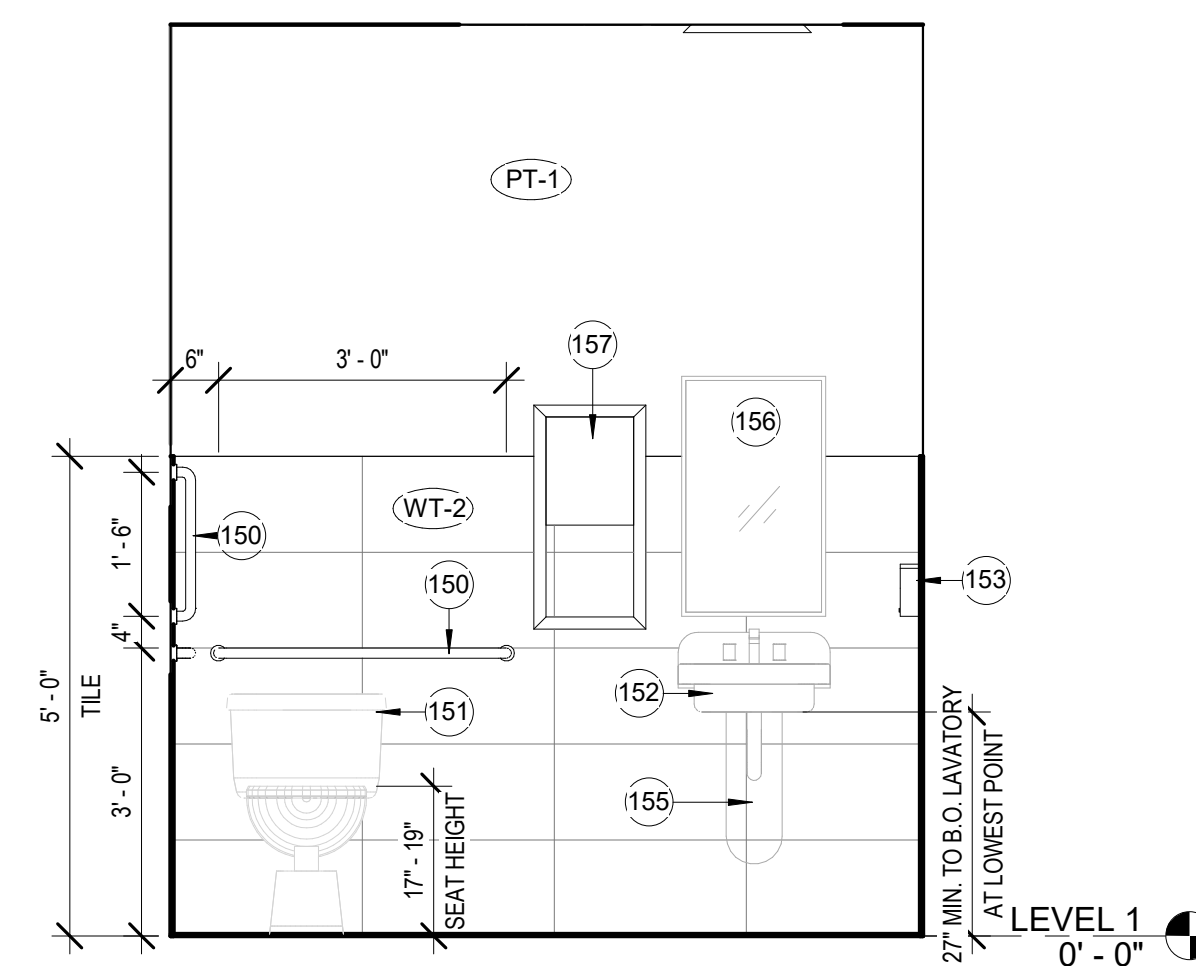
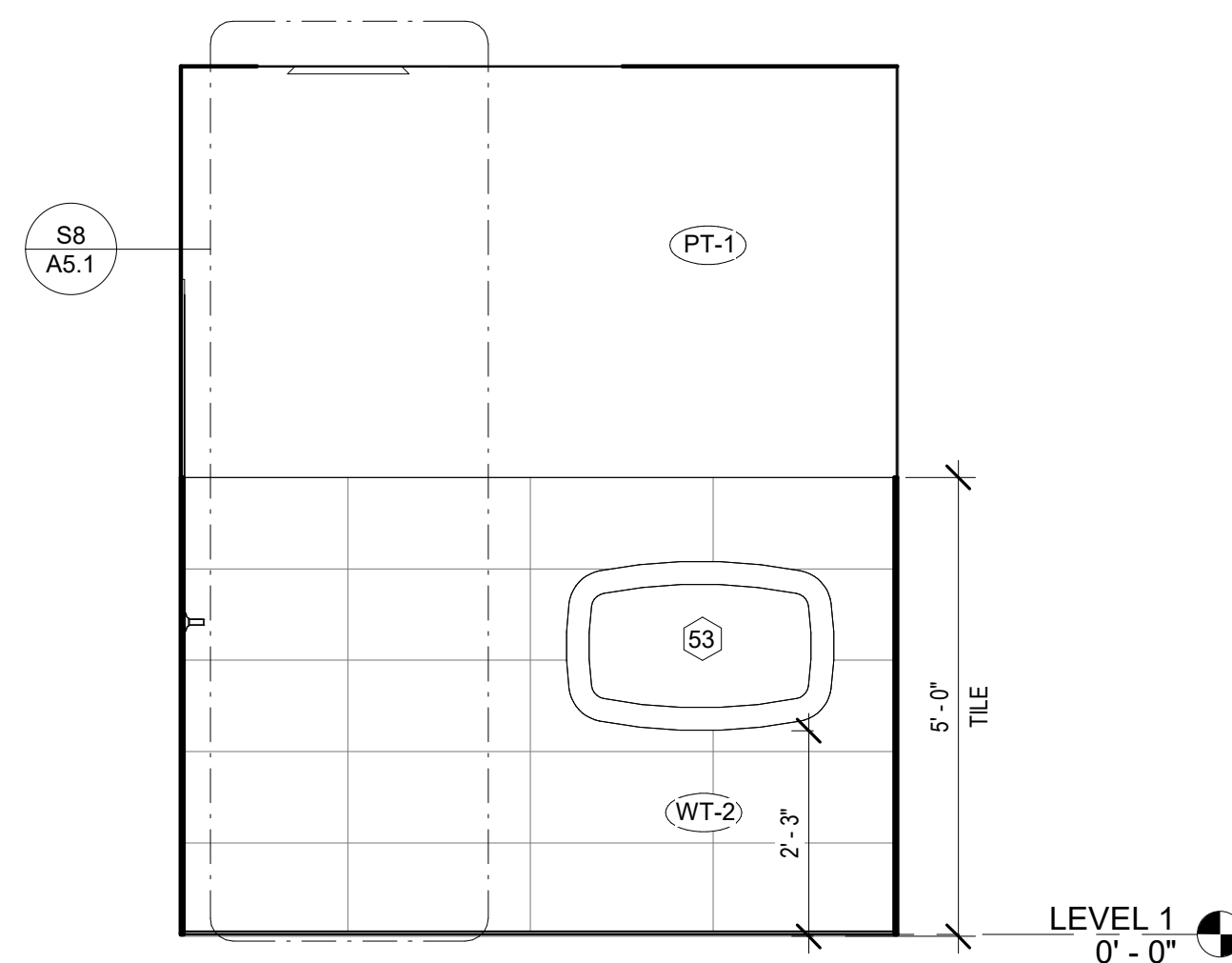
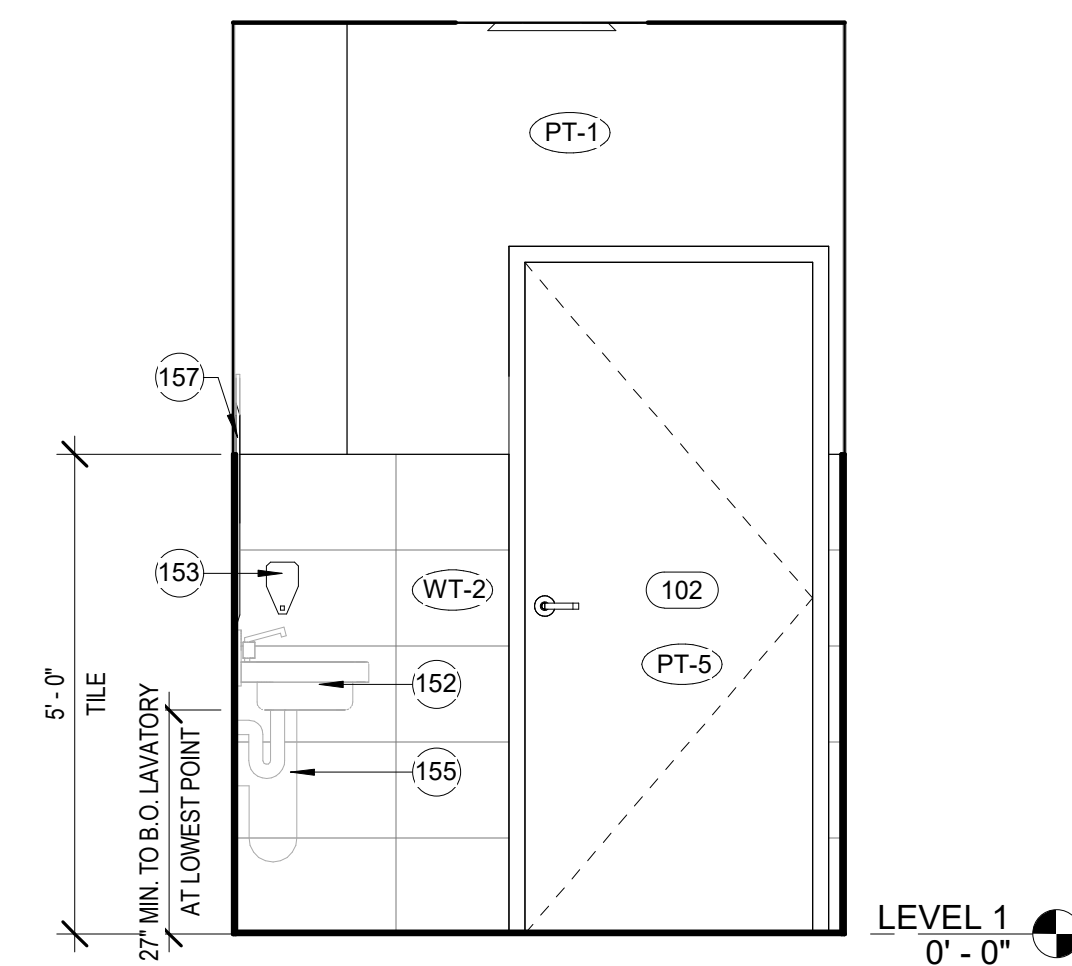
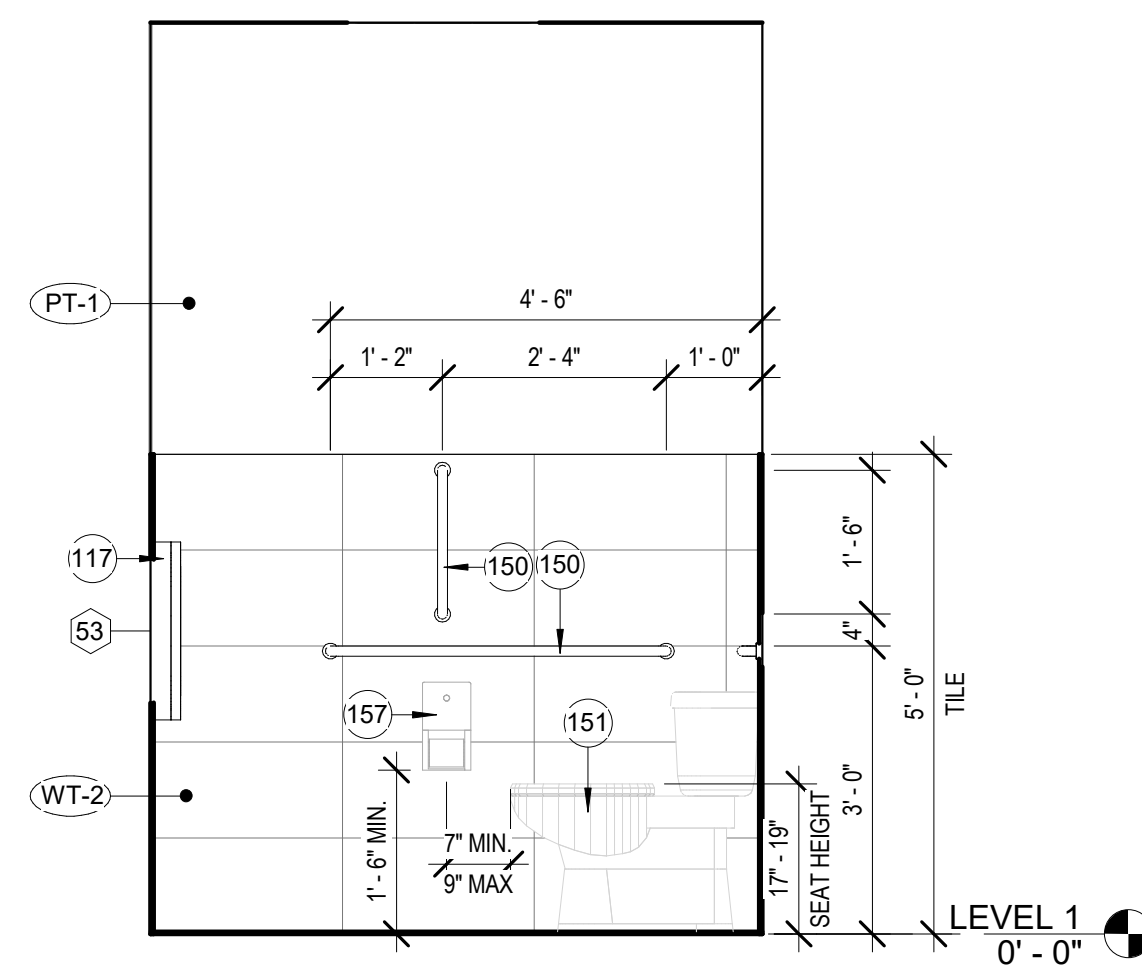
Project # 43419-KS02
Issue Date 11/20/2019
Scale 1/4" = 1'-0"
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A5.0

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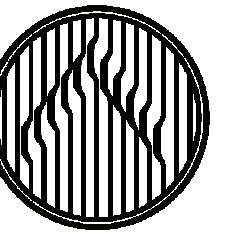
SHEET NOTES:

- ALL WALL-MOUNTED FIXTURES WILL REQUIRE BLOCKING, ALL WOOD BLOCKING TO BE FIRE RETARDANT TREATED WOOD.
- REFER TO FINISHES LEGEND - (A2.1) FOR FINISH DESIGNATIONS.
- REFER TO FINISH SCHEDULE - (A2.1) FOR CEILING TYPES
- REFER TO R1.1 FOR EQUIPMENT INFORMATION

KEYED NOTES: (XX)

KEY #	KEYNOTE TEXT
117	ADA COMPLIANT BABY CHANGING STATION. PROVIDED AND INSTALLED BY GC.
150	ADA GRAB BAR. DIAMETER OF THE GRIPPING SURFACE PF THE GRAB BAR SHALL BE 1-1/4" TO 1-1/2". BARS SHOULD MAINTAIN A DISTANCE OF 1-1/2" FROM INSIDE OF BAR TO FINISH WALL.
151	ADA COMPLIANT WATER CLOSET PROVIDED AND INSTALLED BY GC.
152	ADA COMPLIANT LAVATORY PROVIDED AND INSTALLED BY GC.
153	SOAP DISPENSER PURCHASED BY OWNER AND INSTALLED BY GC.
155	ADA PIPE GAURD PROVIDED AND INSTALLED BY GC.
156	ADA COMPLIANT MIRROR PROVIDED AND INSTALLED BY GC.
157	PAPER TOWEL DISPENSER PURCHASED BY OWNER AND INSTALLED BY GC.

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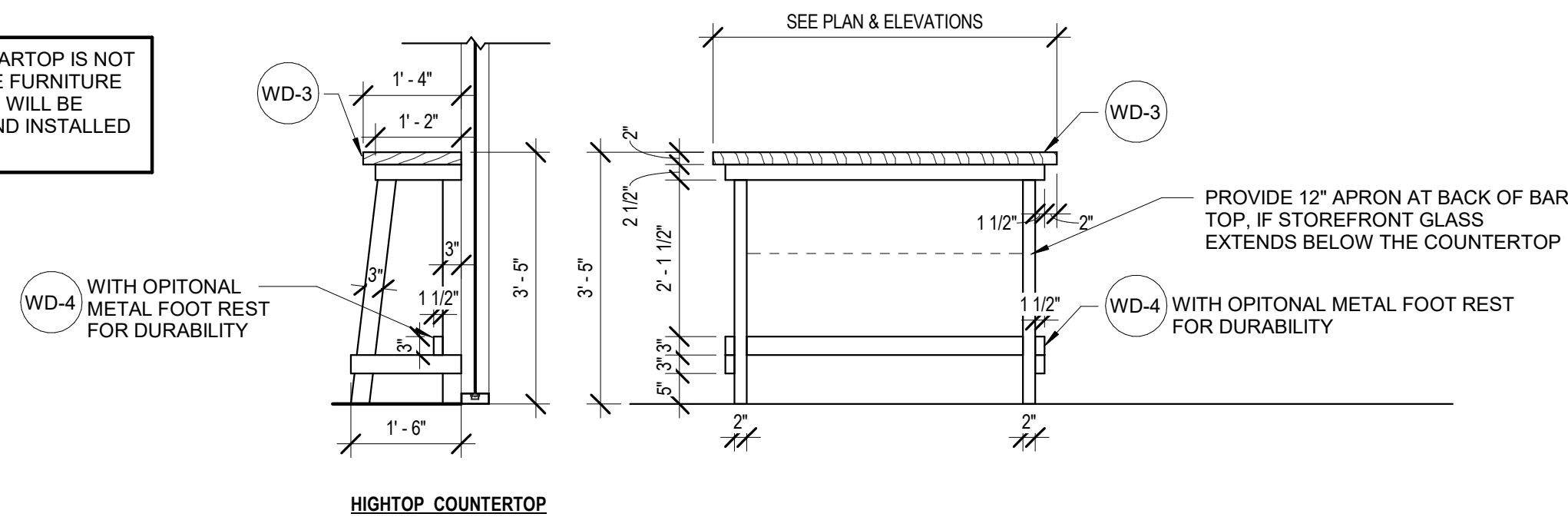
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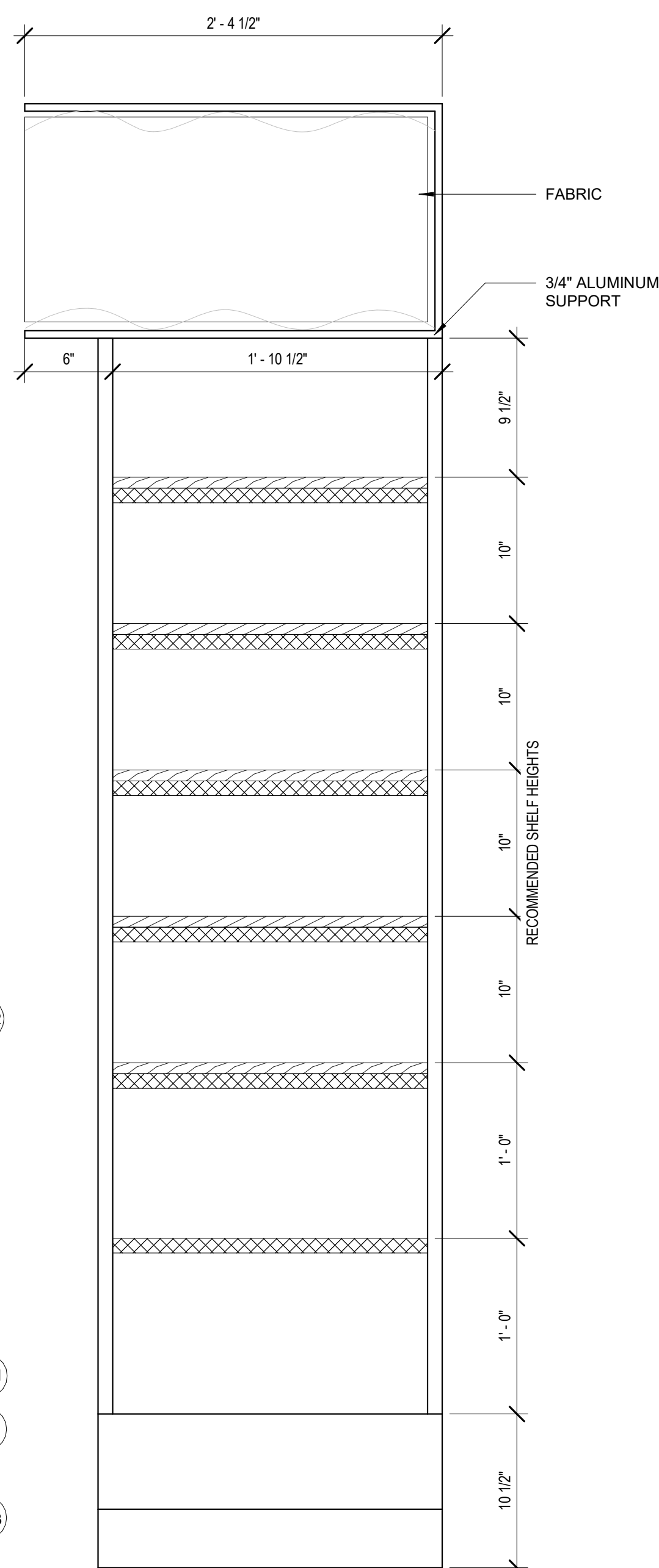
INTERIOR ELEVATIONS

Project #	43419-KS02
Issue Date	11/20/2019
Scale	1/2" = 1'-0"
Drawn by	JDW
Checked by	MTB

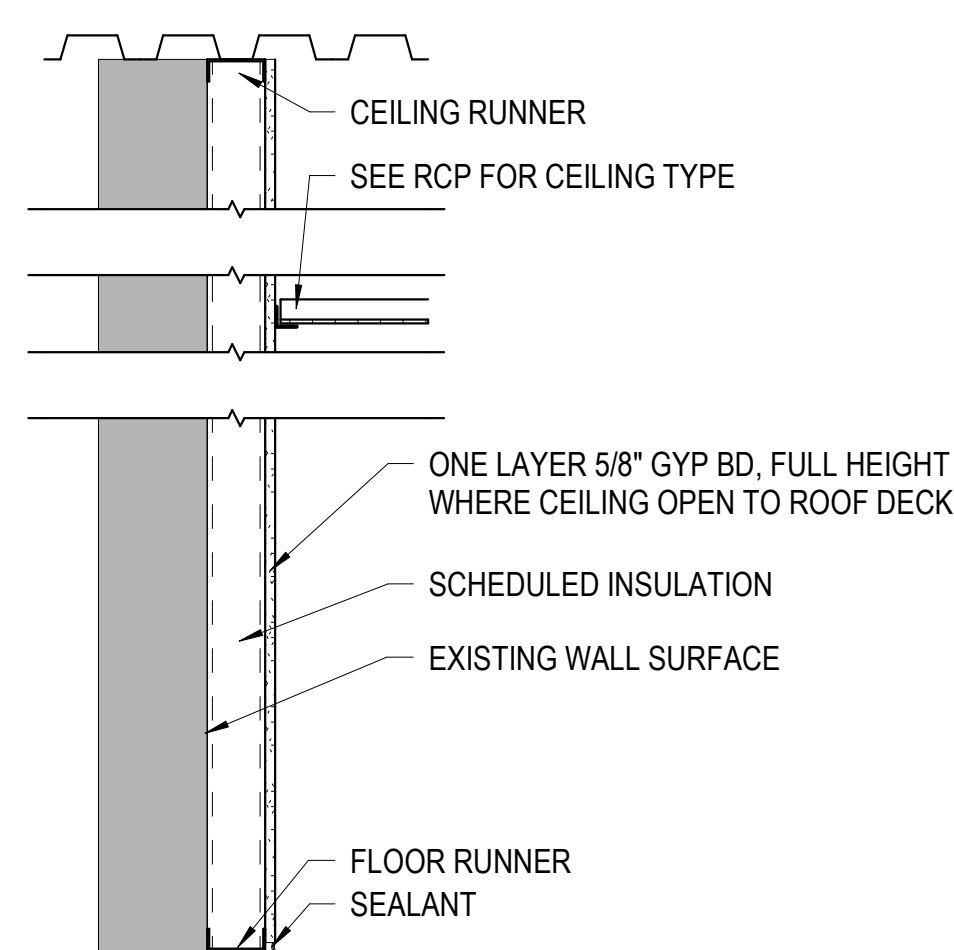
A5.1



HIGHTOP COUNTERTOP



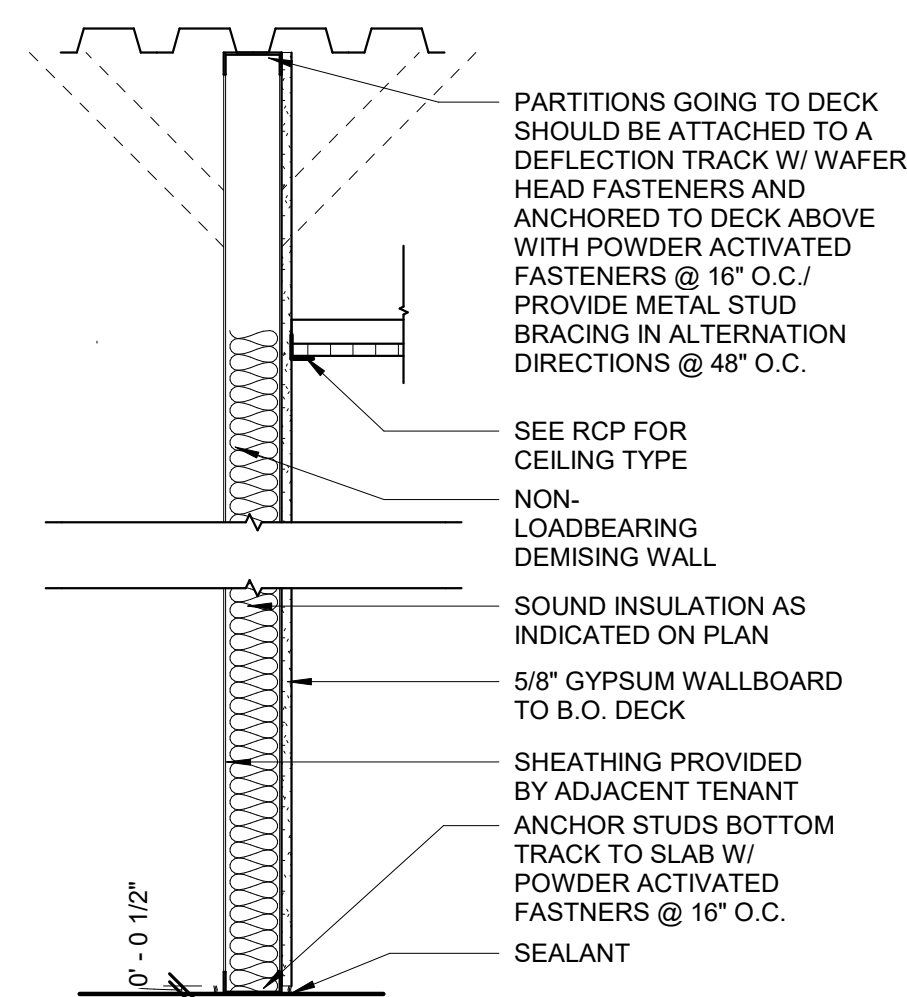
S5 PICK UP TOWER ELEVATION
1 1/2" = 1'-0"



ONE LAYER 5/8" GYPSUM WALLBOARD APPLIED TO EACH SIDE OF STEEL STUDS WITH 1" TYPE S DRYWALL SCREWS 8" O.C. AT VERTICAL JOINTS AND 12" O.C. AT FLOOR AND CEILING RUNNERS AND INTERMEDIATE STUDS.

$$1'' = 1' - 0''$$

ONE LAYER 5/8" GYPSUM WALLBOARD APPLIED TO ONE SIDE OF STEEL STUDS WITH 1" TYPE S DRYWALL SCREWS 8" O.C. AT VERTICAL JOINTS AND 12" O.C. AT FLOOR AND CEILING RUNNERS AND INTERMEDIATE STUDS.

$$1'' = 1' - 0''$$


ONE LAYER 5/8" GYPSUM WALLBOARD APPLIED TO ONE SIDE OF STEEL STUDS WITH 1" TYPE S DRYWALL SCREWS 8" O.C. AT VERTICAL JOINTS AND 12" O.C. AT FLOOR AND CEILING RUNNERS AND INTERMEDIATE STUDS.

$$3/4'' = 1'-0''$$
$$1'' = 1' - 0'$$

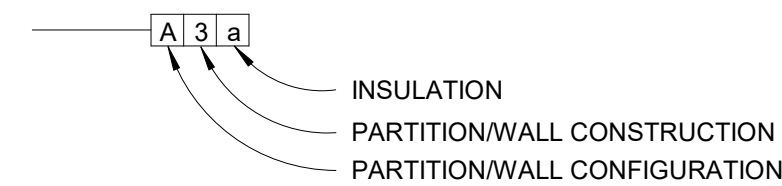
$$1\frac{1}{2}'' = 1'-0''$$


1 1/2" = 1'-0"



$3/4" = 1'-0"$

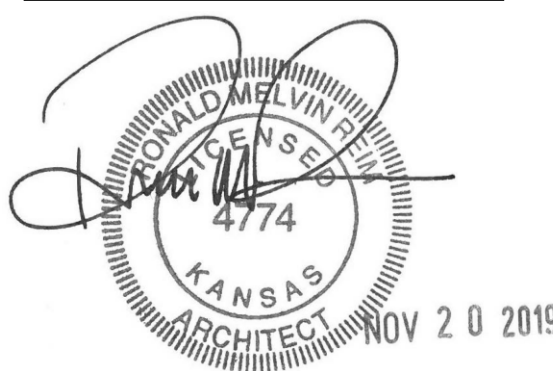
THE PARTITION/WALL DESIGNATION IS A THREE-UNIT CODE THAT DENOTES THE CONFIGURATION, CONSTRUCTION, AND INSULATION OF THE PARTITION, AS FOLLOWS:



<input type="checkbox"/> 1	1 5/8" 25 GA. METAL STUD @ 16" O.C.	<input type="checkbox"/> a	NO INSULATION
<input type="checkbox"/> 2	2" 25 GA. METAL STUD @ 16" O.C.	<input type="checkbox"/> b	SOUND ATTENUATION BLANKETS
<input type="checkbox"/> 3	2 1/2" 25 GA. METAL STUD @ 16" O.C.	<input type="checkbox"/> c	RIGID INSULATION
<input type="checkbox"/> 4	3 5/8" 25 GA. METAL STUD @ 16" O.C.	<input type="checkbox"/> d	R19 BATT THERMAL INSULATION
<input type="checkbox"/> 6	4" 25 GA. METAL STUD @ 16" O.C.		
<input type="checkbox"/> 8	6" 25 GA. METAL STUD @ 16" O.C.		

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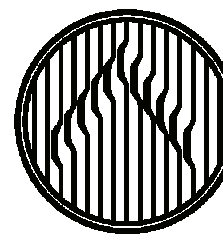
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A6.0

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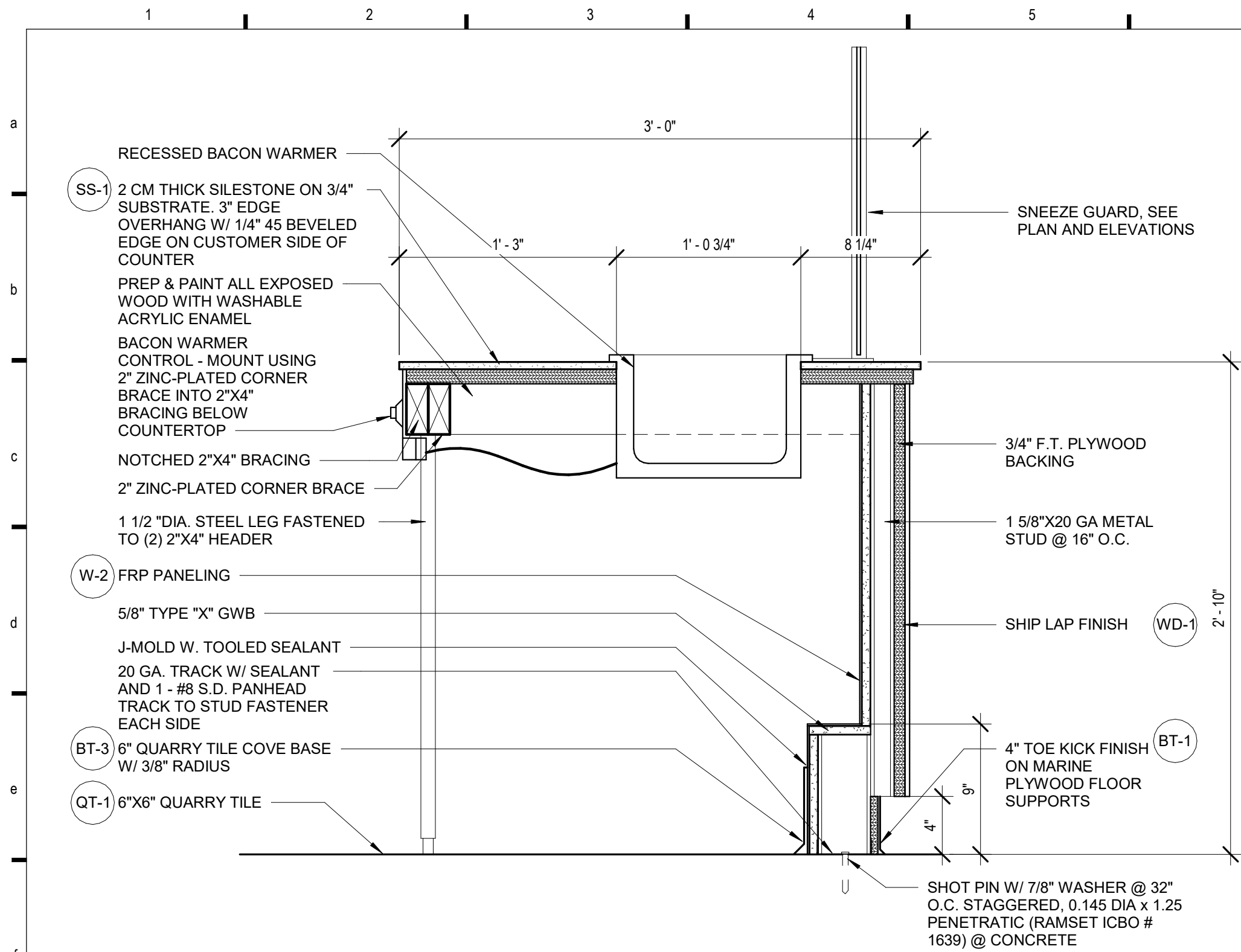
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(214) 397-0305



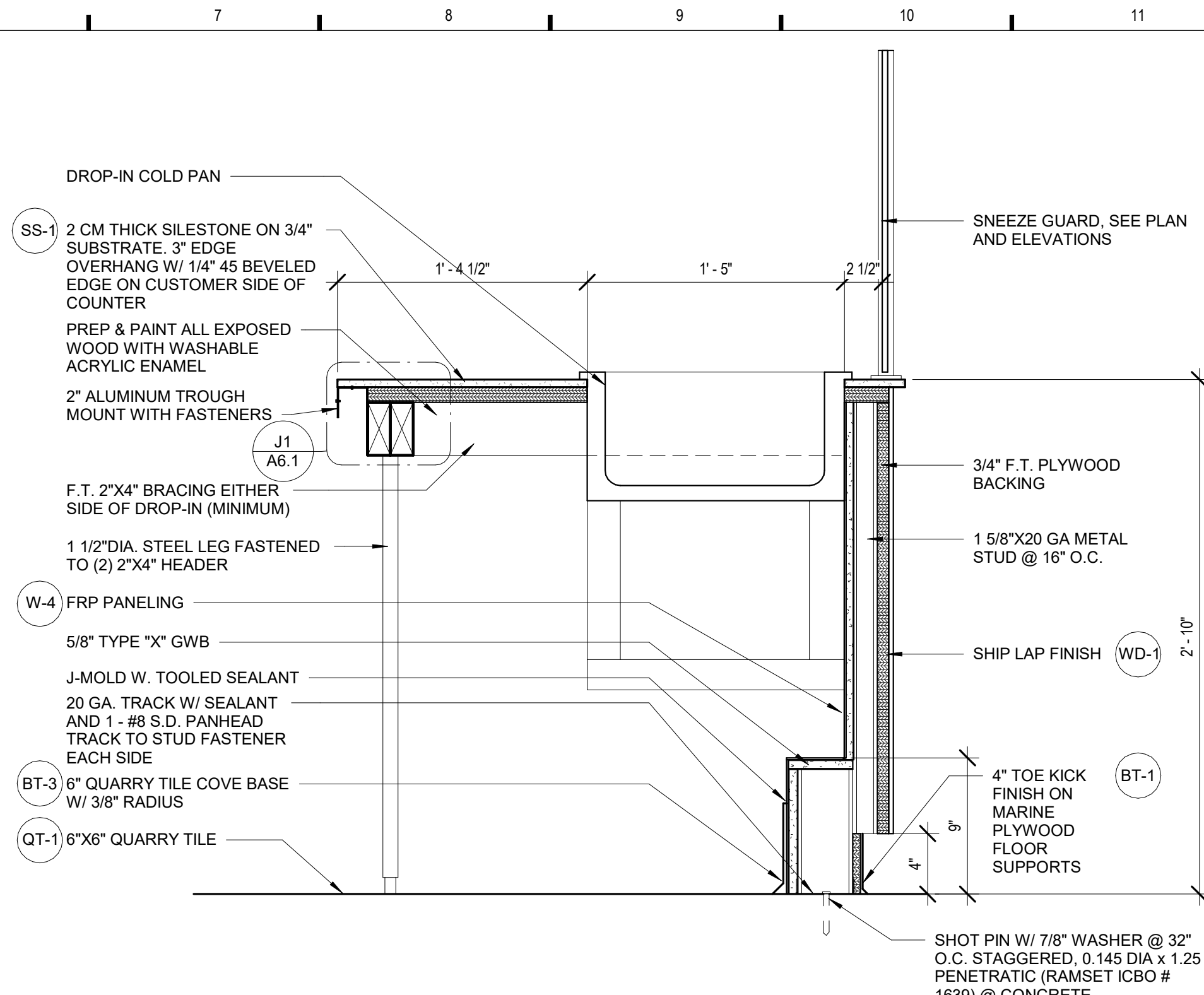
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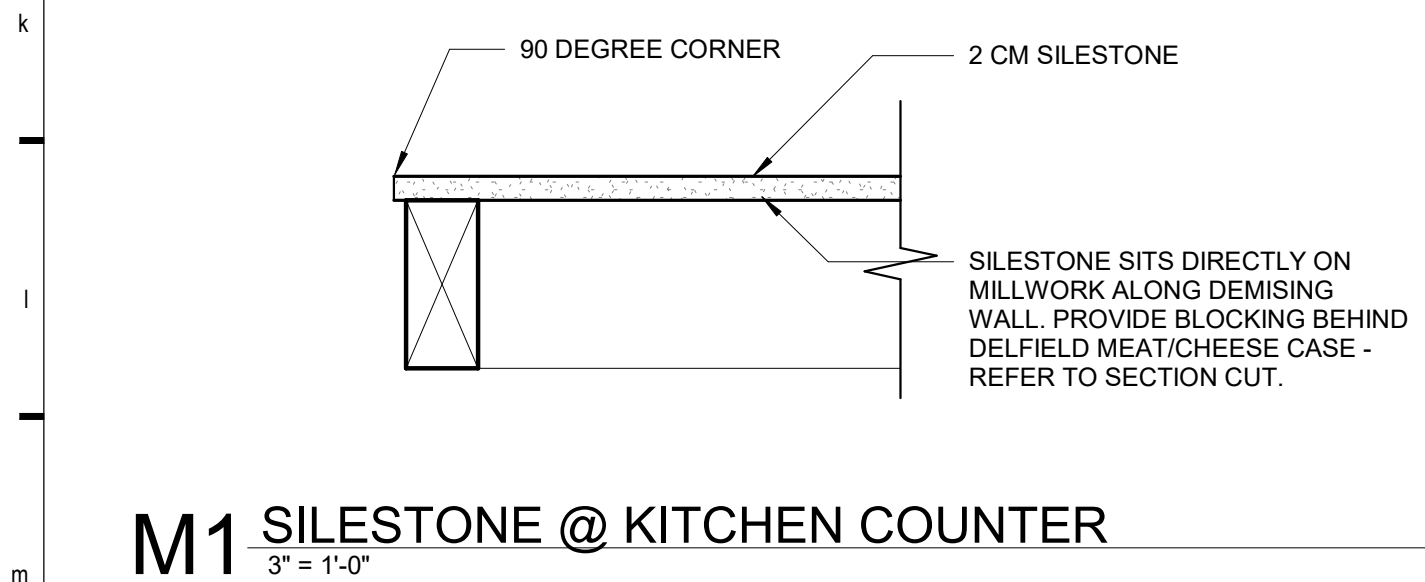
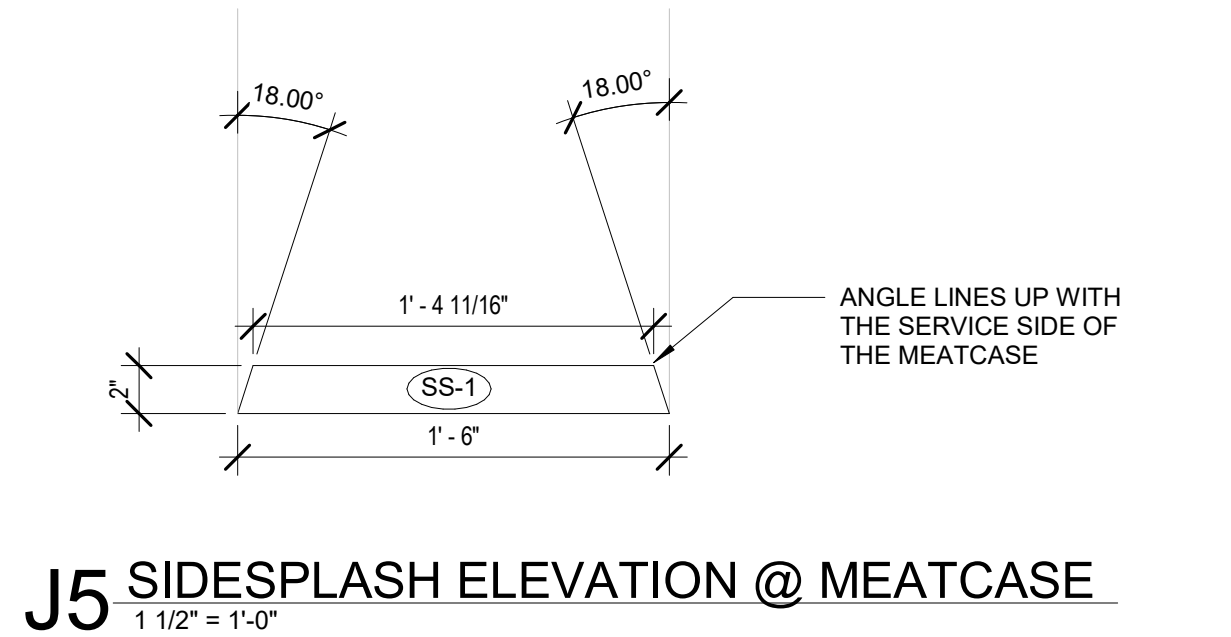
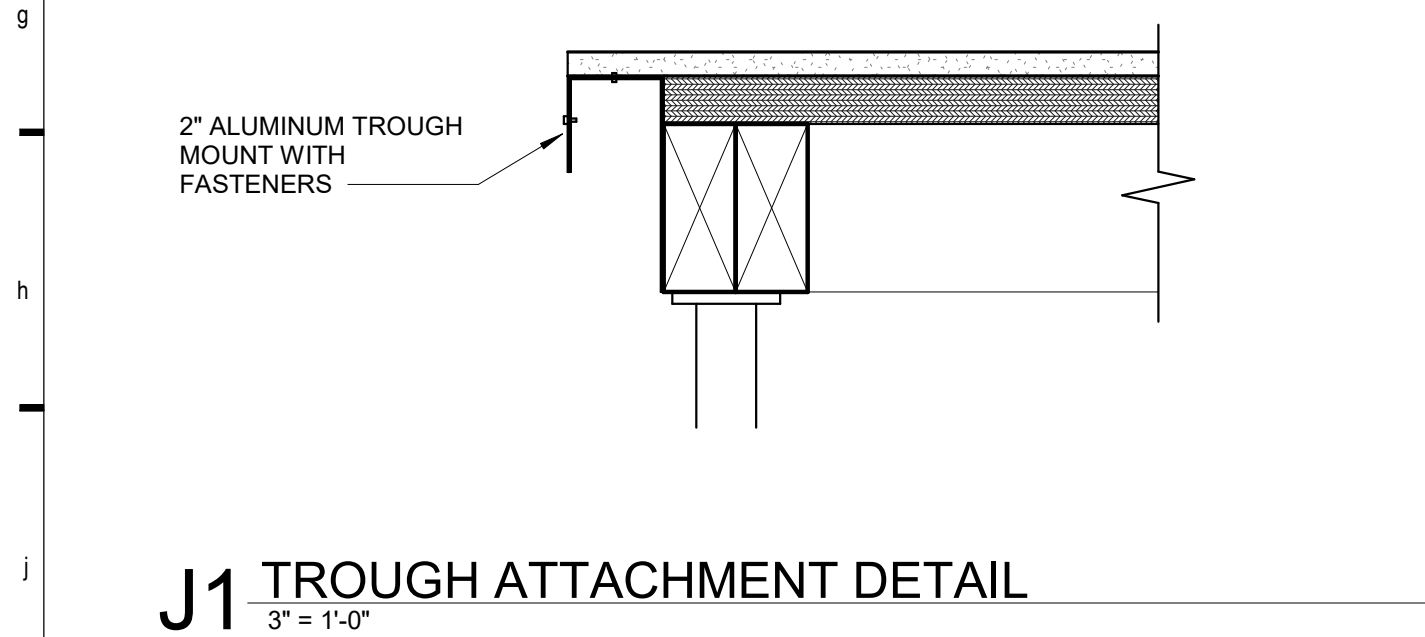
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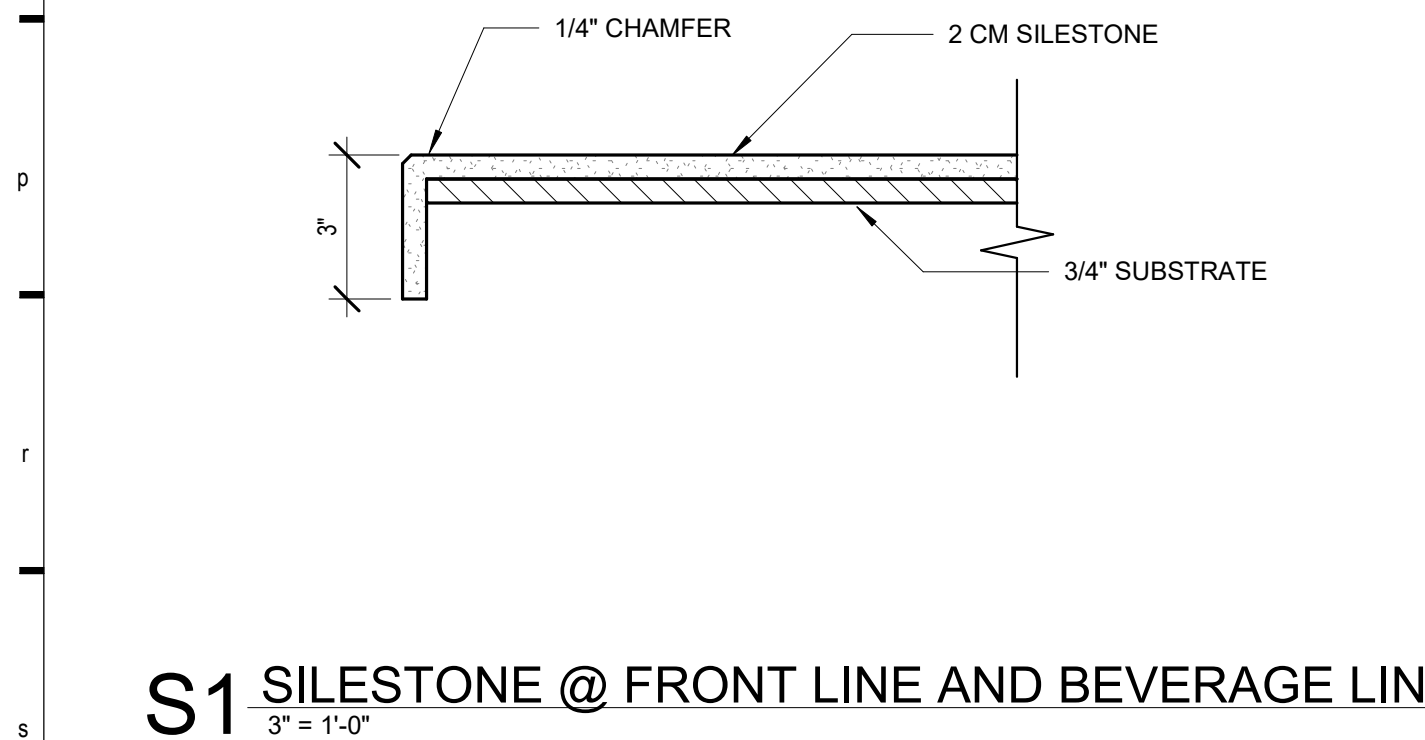
H1 SECTION @ CUSTOMER COUNTER W/ BACON WARMER
1 1/2" = 1'-0"



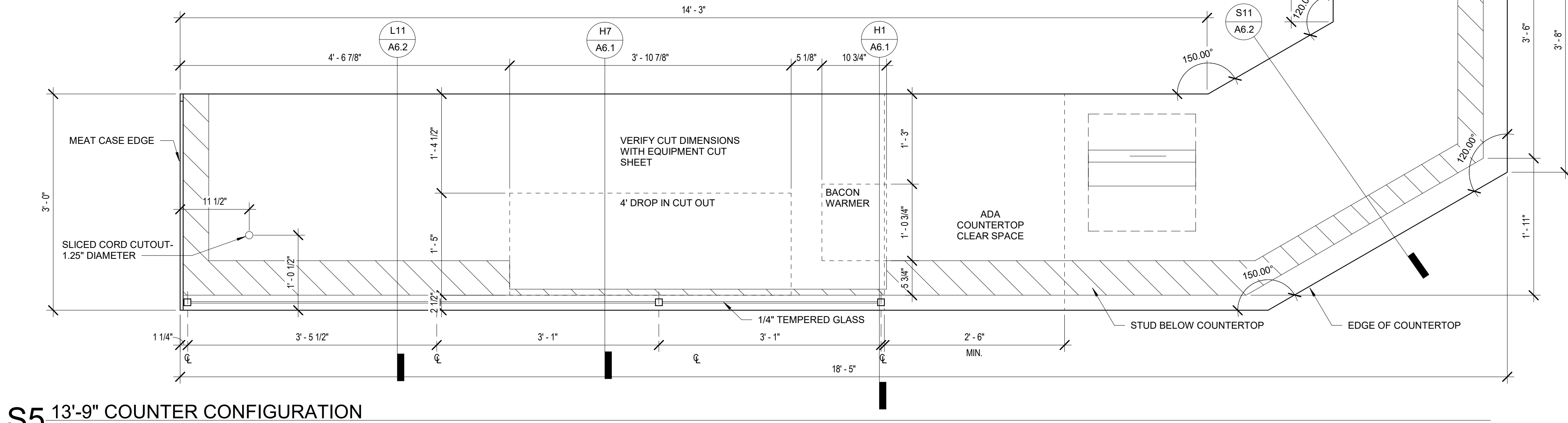
H7 SECTION @ CUSTOMER COUNTER W/ DROP-IN
1 1/2" = 1'-0"



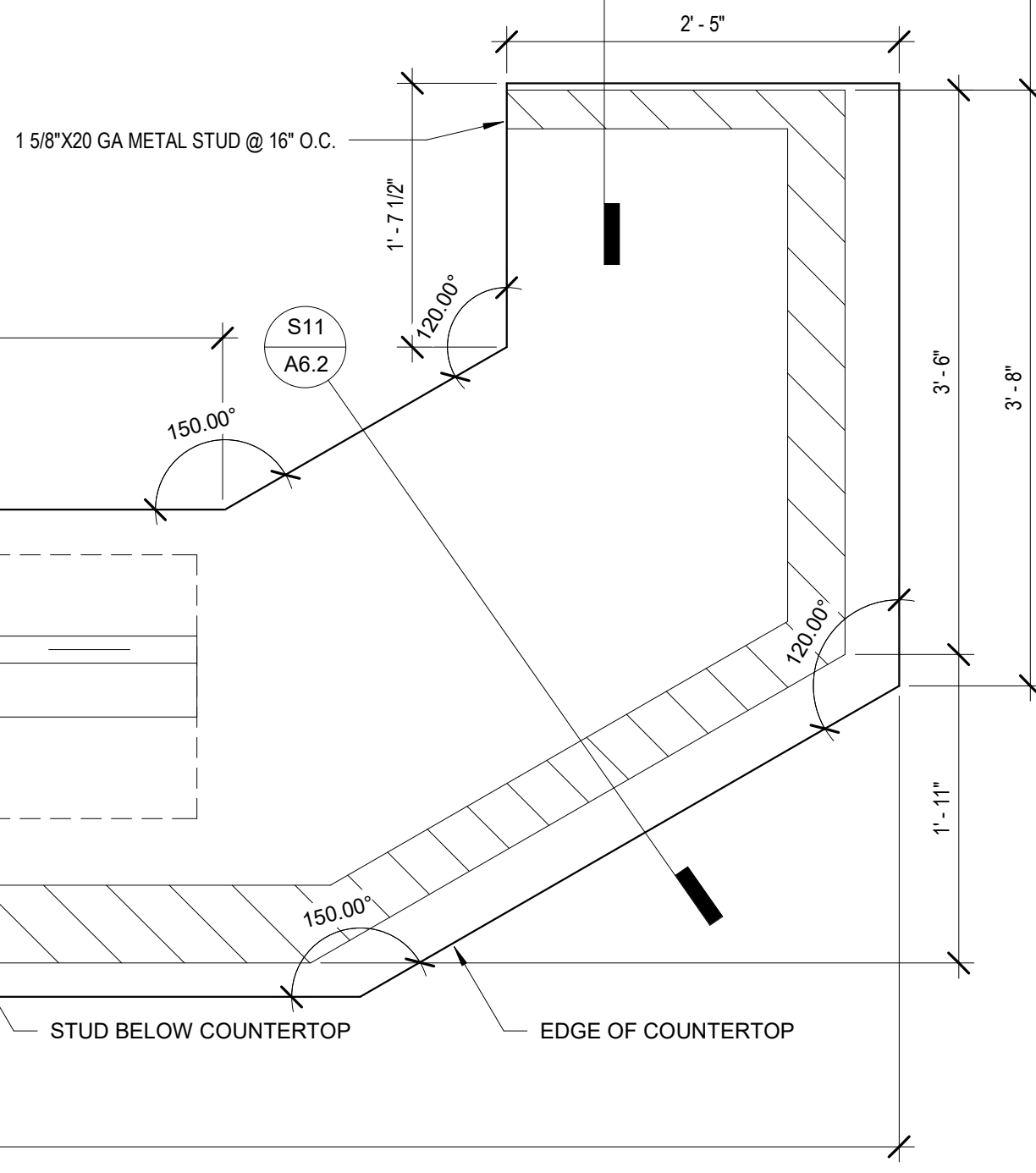
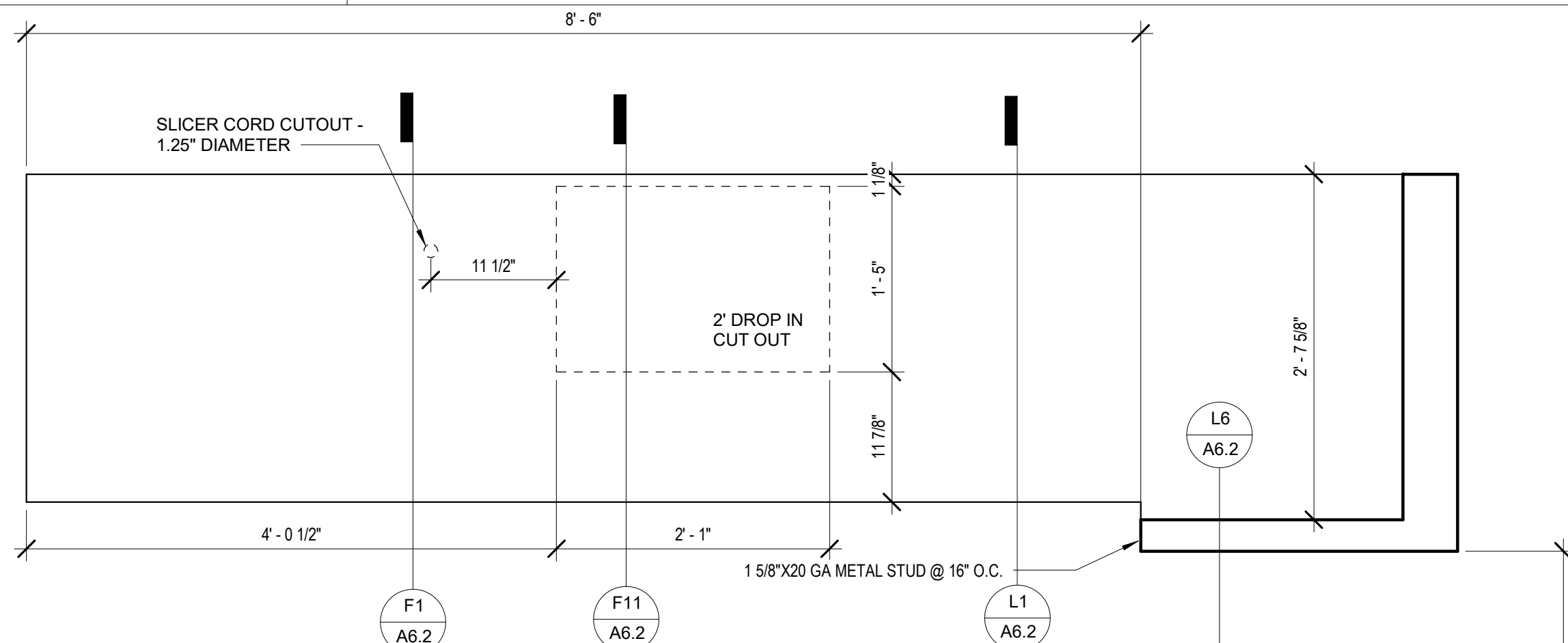
M1 SILESTONE @ KITCHEN COUNTER
3" = 1'-0"



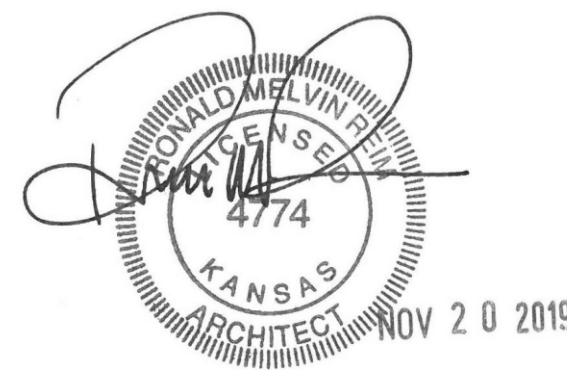
S1 SILESTONE @ FRONT LINE AND BEVERAGE LINE
3" = 1'-0"



S5 13'-9" COUNTER CONFIGURATION
1" = 1'-0"



#	Description	Date
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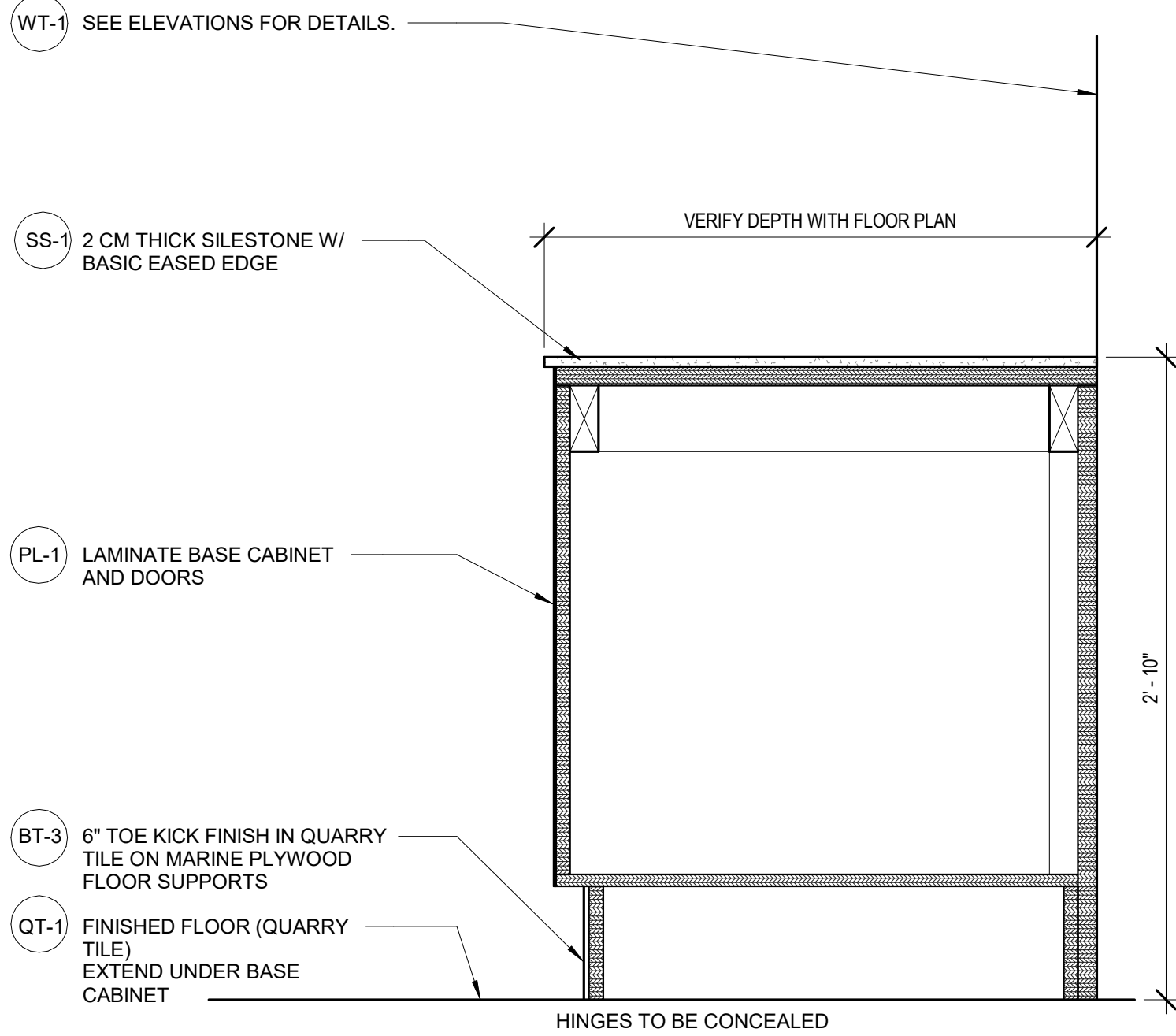
PERMIT SET

Client Approval

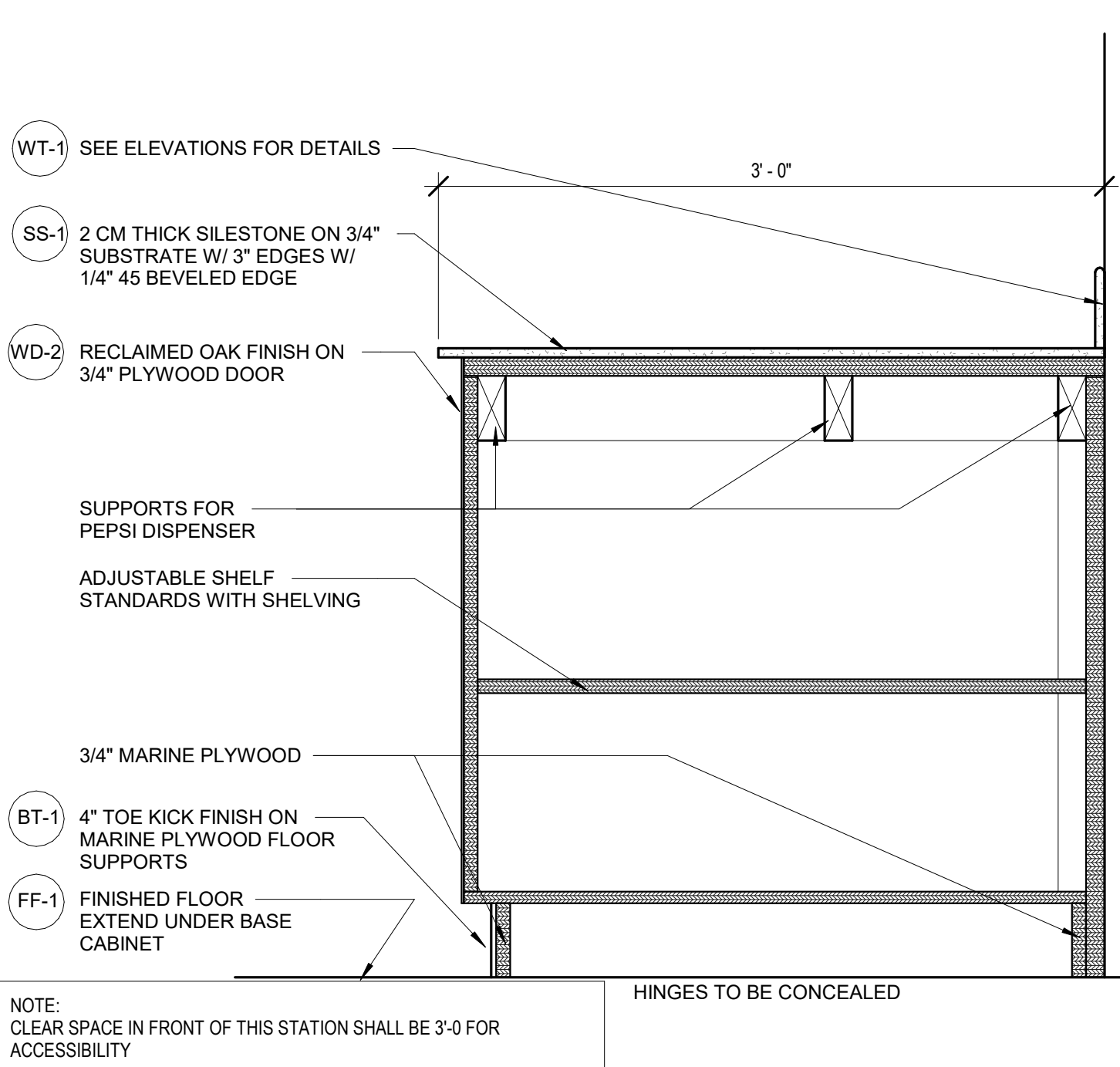
MILWORK DETAILS

Project # 43419-KS02
Issue Date 11/20/2019
Scale As indicated
Drawn by JDW
Checked by MTB

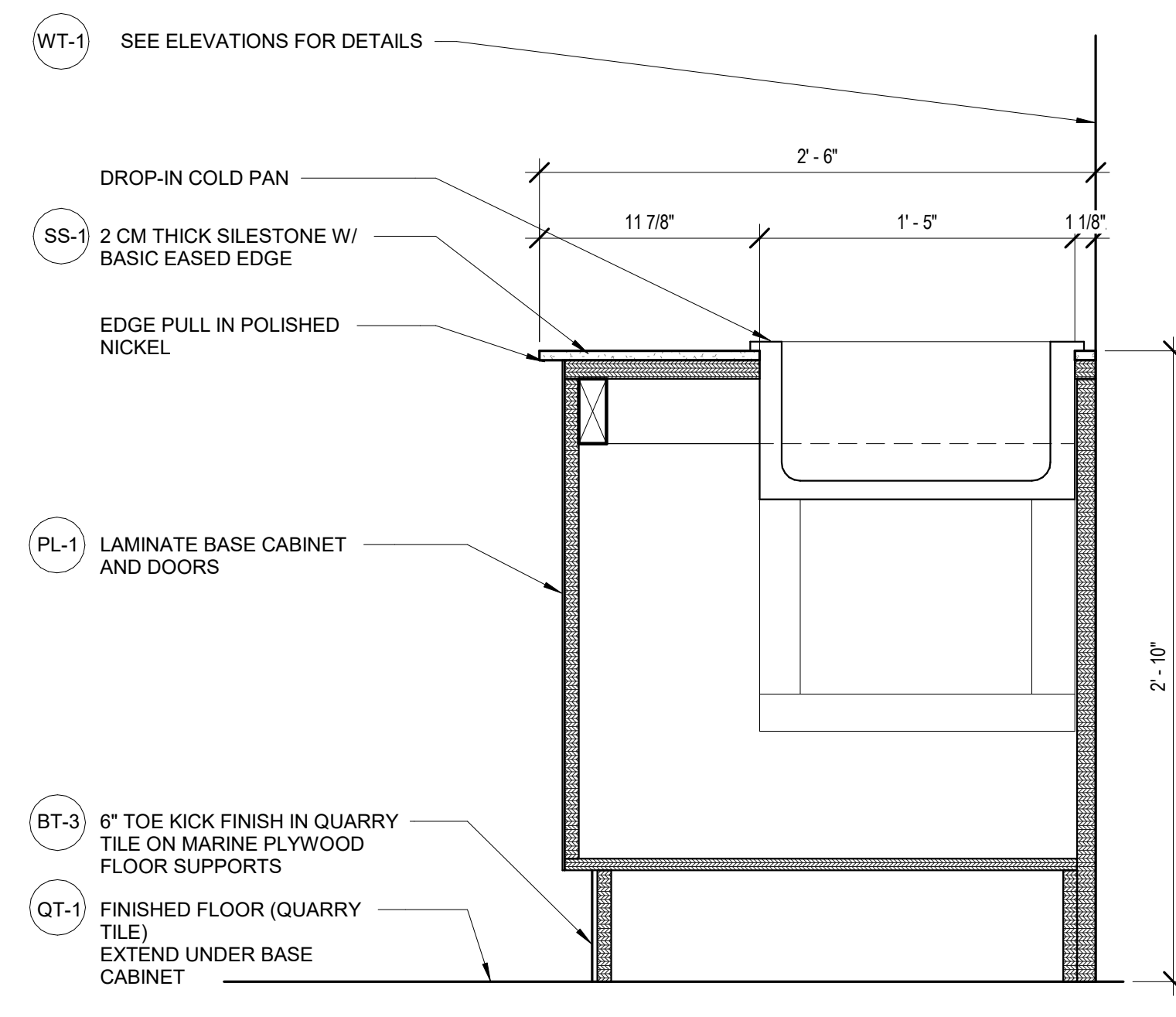
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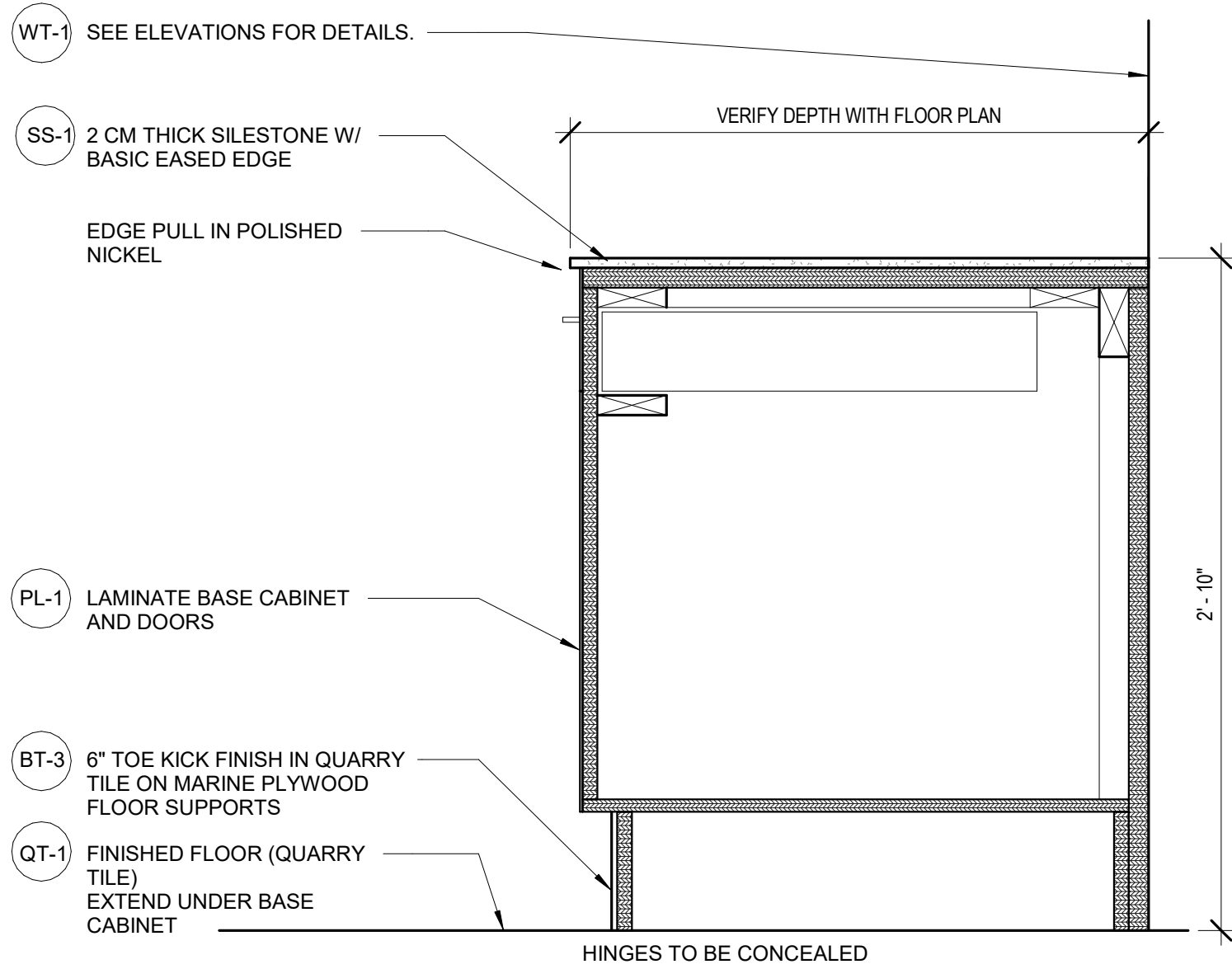
F1 SECTION @ DEMISING WALL
1 1/2" = 1'-0"



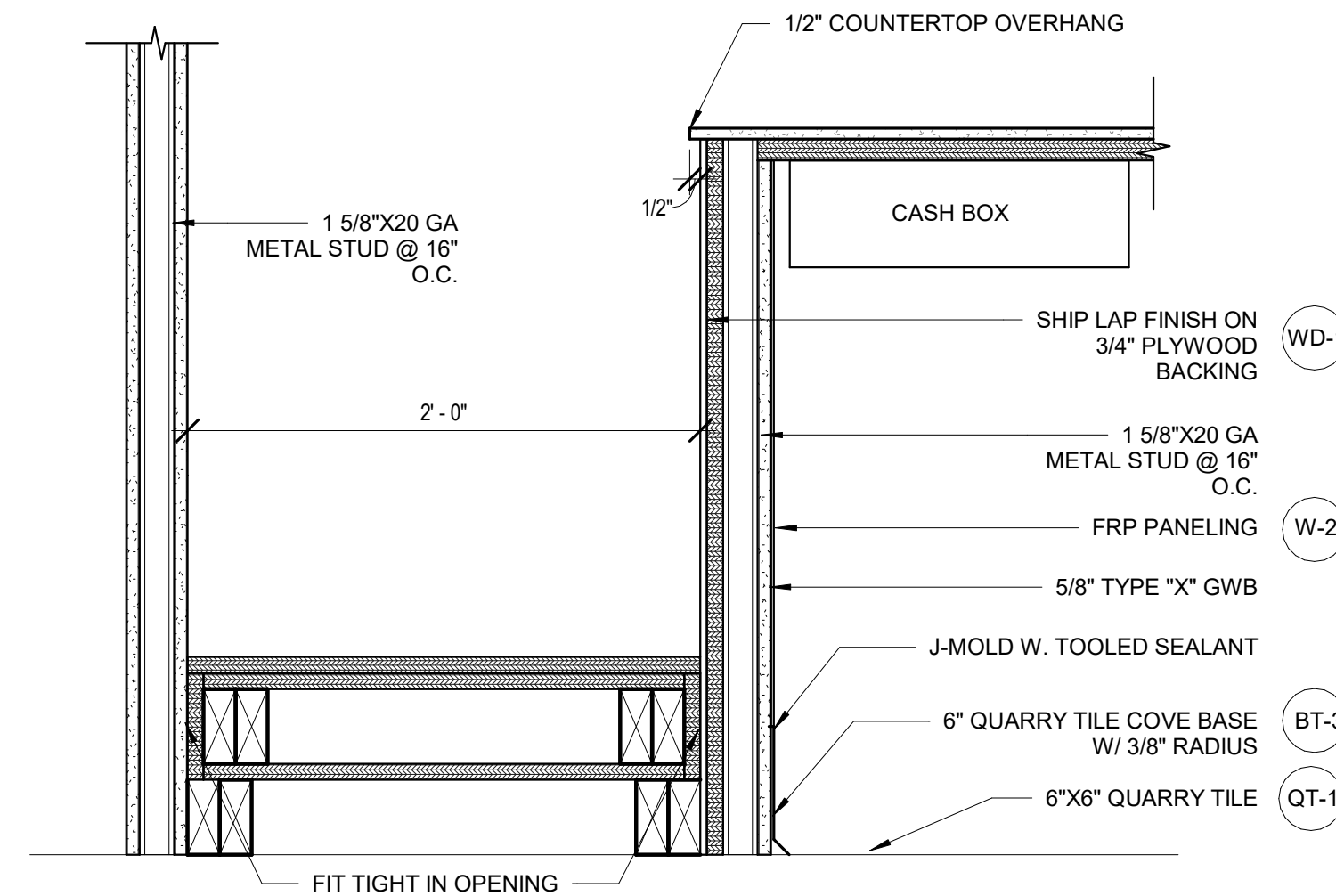
F6 SECTION @ BEVERAGE COUNTER MILLWORK
1 1/2" = 1'-0"



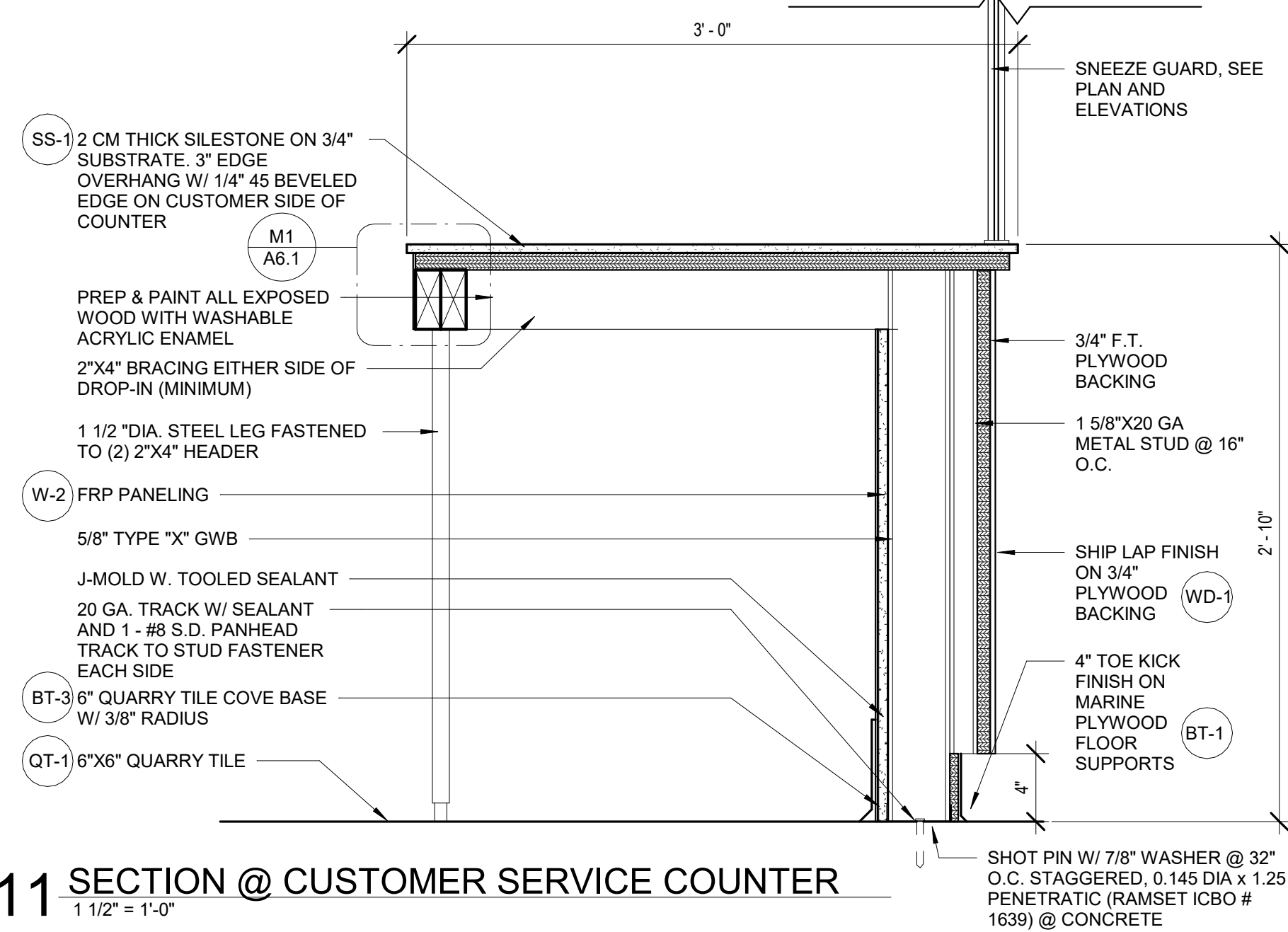
F11 SECTION @ 2'-0" DROP-IN UNIT
1 1/2" = 1'-0"



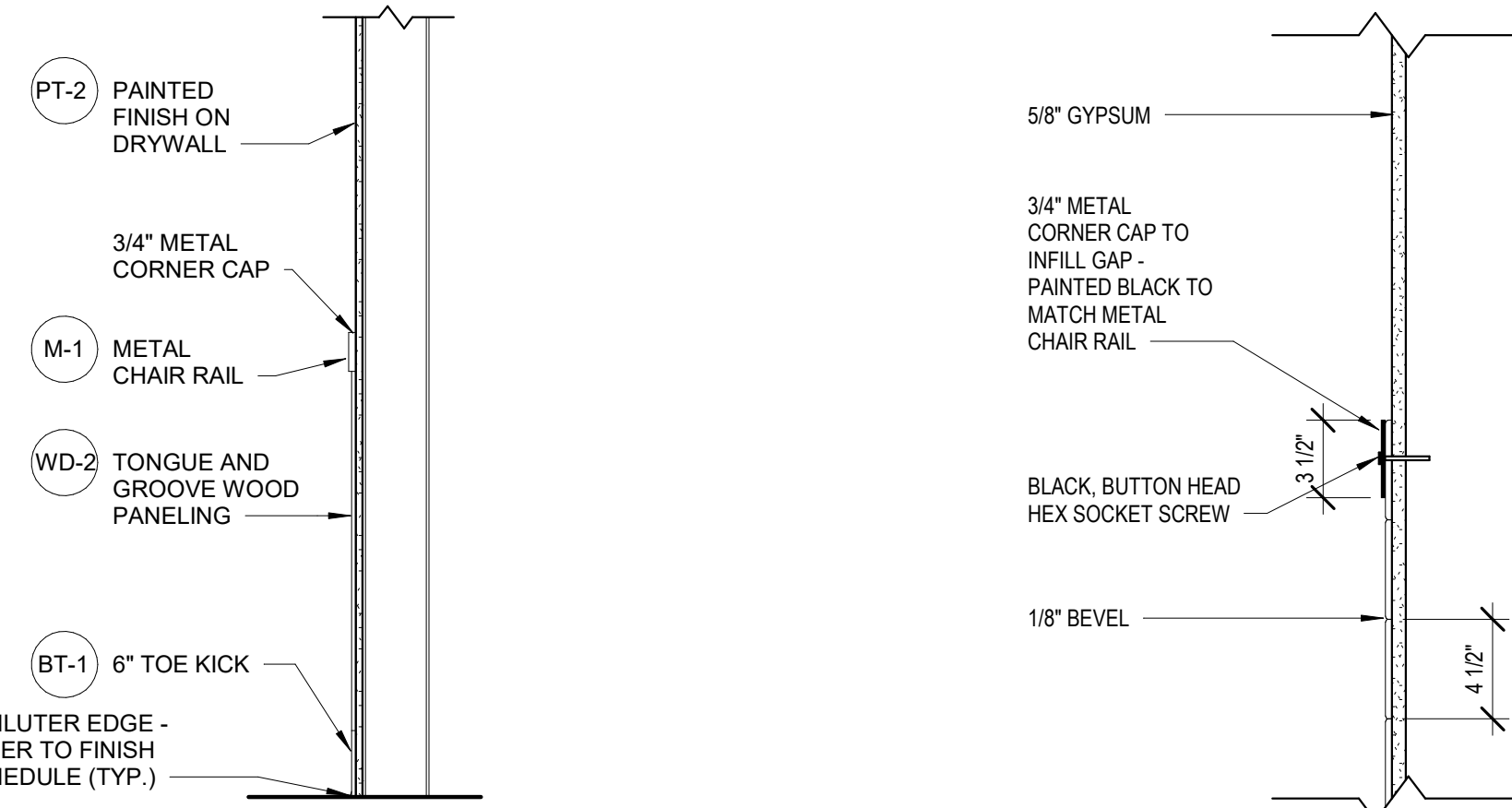
L1 SECTION @ DRAWER AND DOOR BASE
1 1/2" = 1'-0"



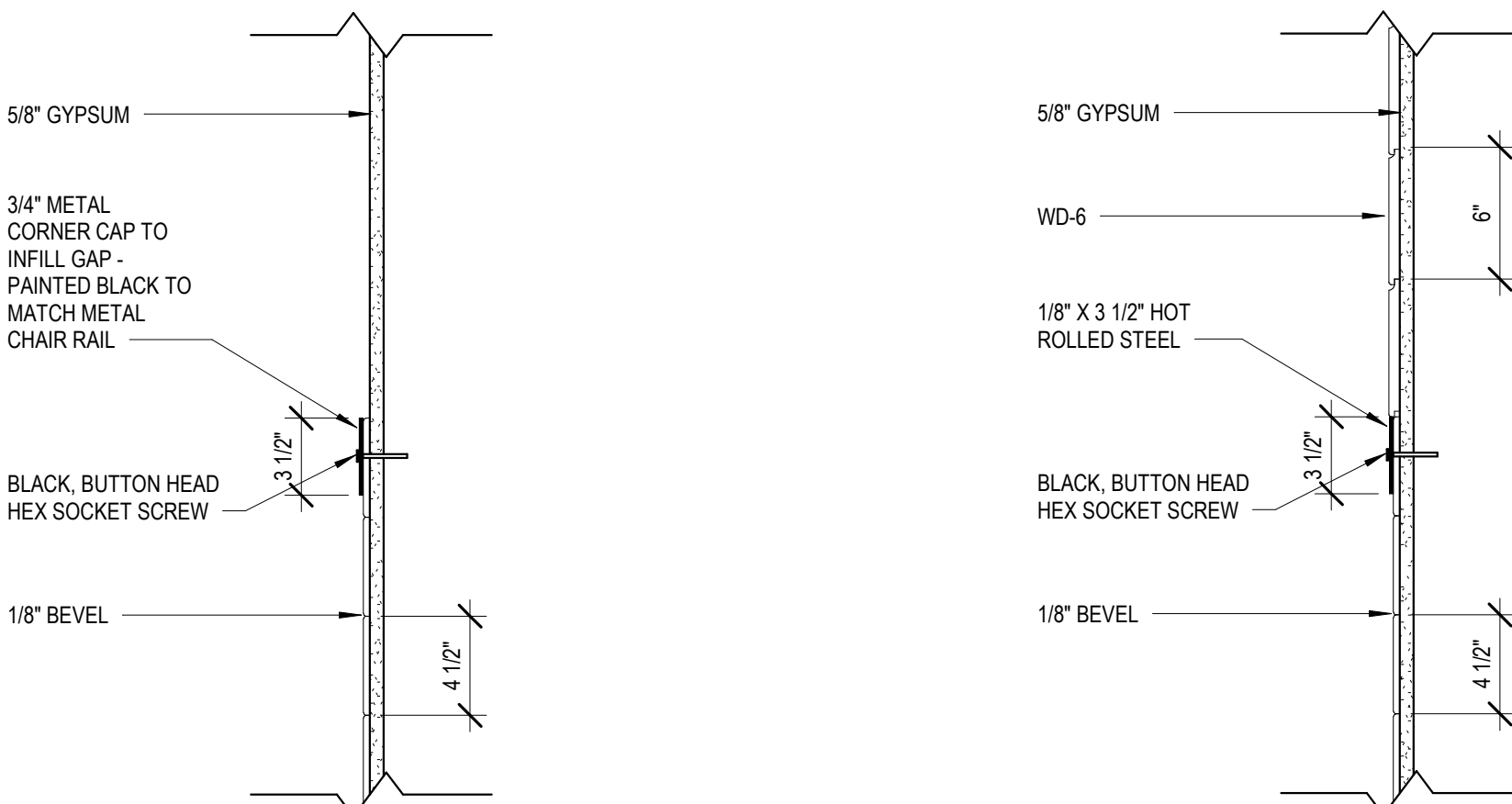
L6 SECTION @ TAKE OUT SHELF
1 1/2" = 1'-0"



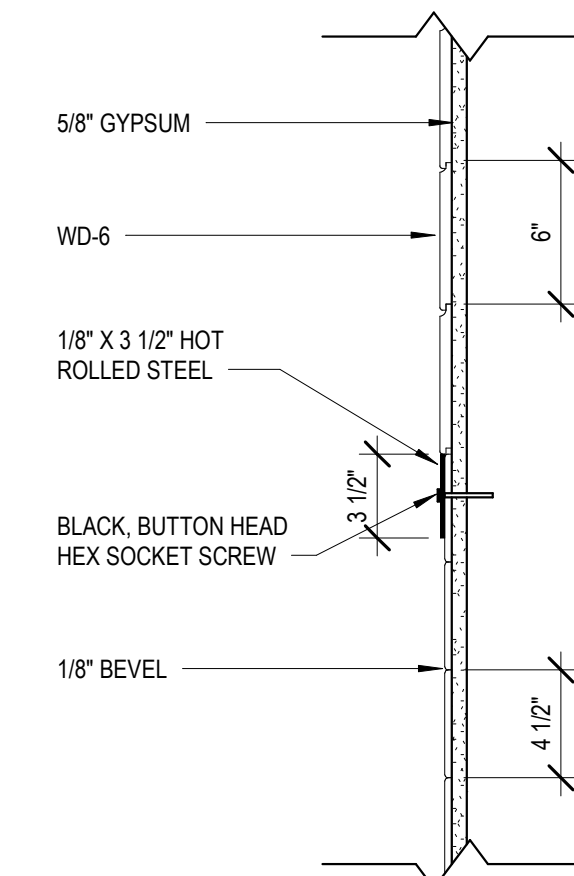
L11 SECTION @ CUSTOMER SERVICE COUNTER
1 1/2" = 1'-0"



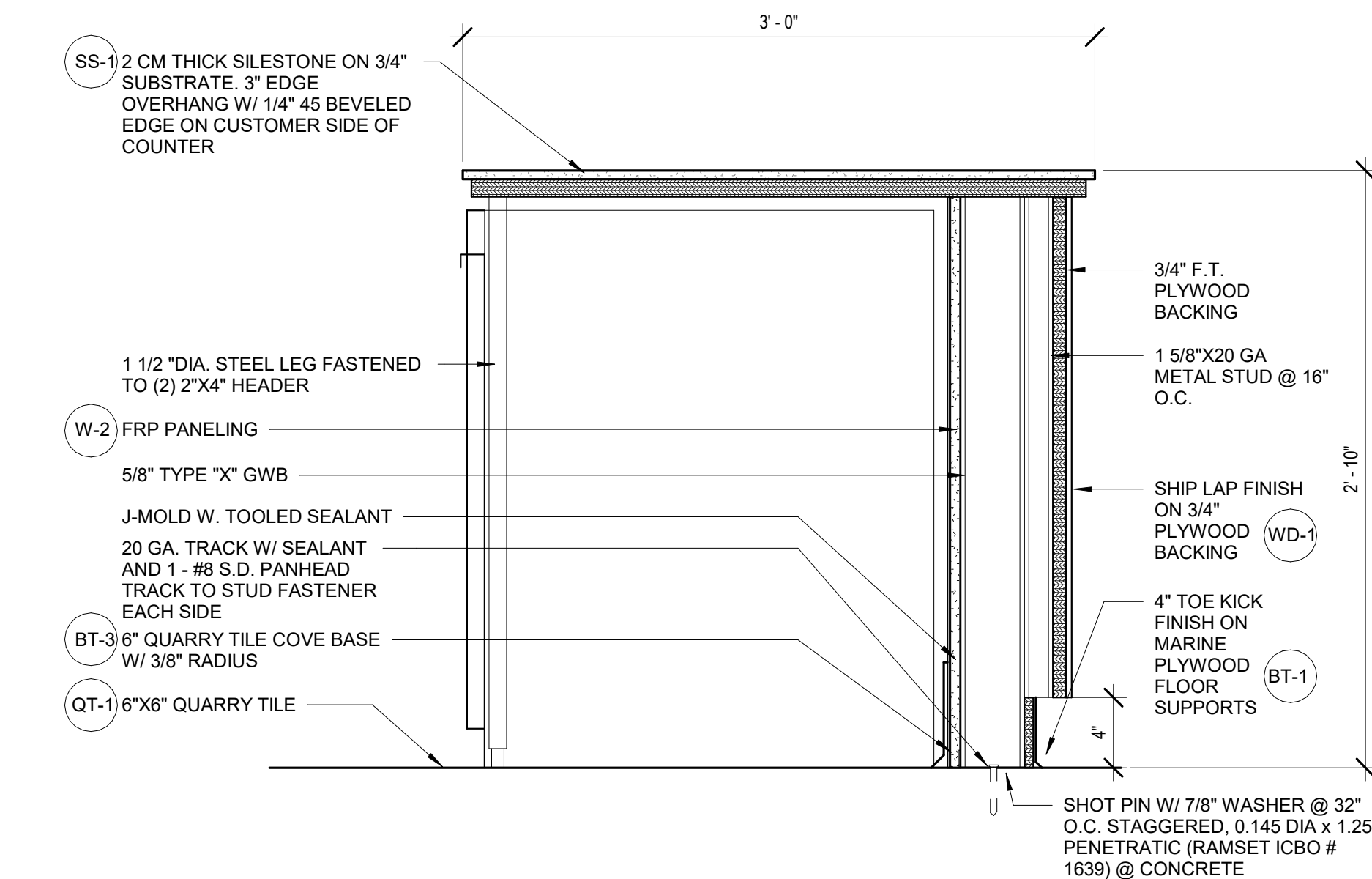
S1 SECTION @ DINING ROOM CHAIR RAIL
3/4" = 1'-0"



S4 HARDWARE DETAIL IN HALLWAY/DINING ROOM
1 1/2" = 1'-0"

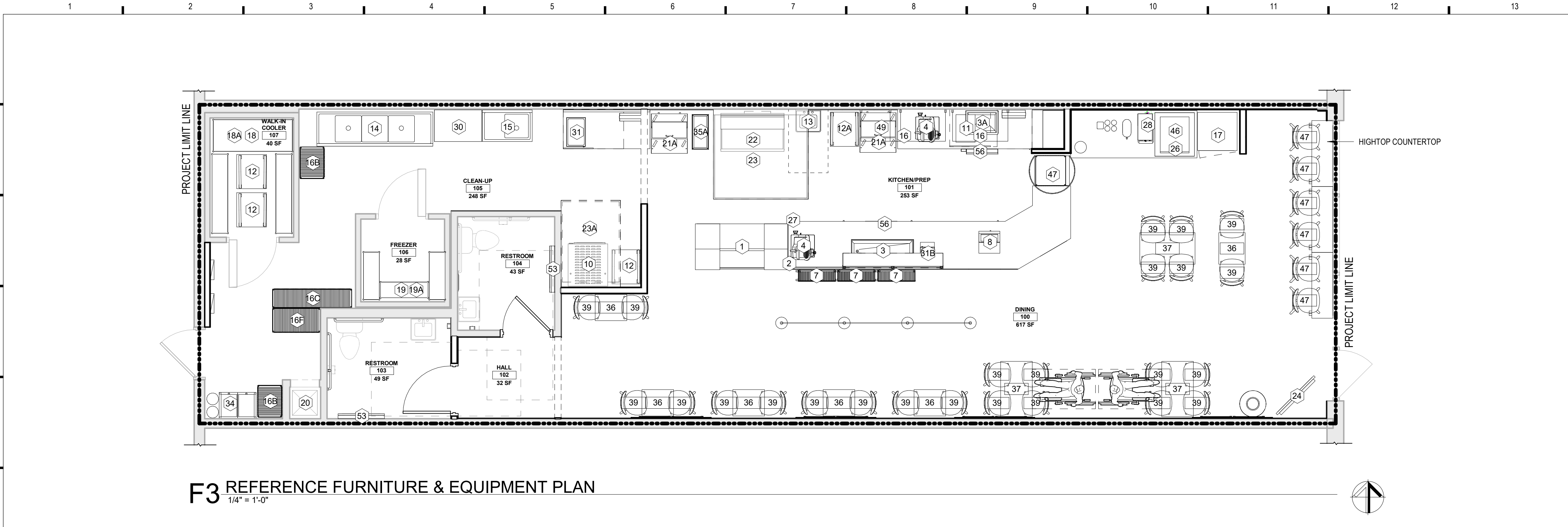


S8 HARDWARE DETAIL AT BEACH CHAIRS
1 1/2" = 1'-0"



S11 SECTION @ UNDER COUNTER REFRIGERATOR
1 1/2" = 1'-0"

1/20/2019 1:06:02 PM JERSEY MIKES - REGENCY PARK



F3 REFERENCE FURNITURE & EQUIPMENT PLAN
1/4" = 1'-0"

EQUIPMENT SCHEDULE xx

TYPE MARK	QTY	DESCRIPTION	MANUFACTURER	MODEL	SUPPLIER	POWER REQUIRED	PLUMBING REQUIRED	MISC. NOTES
1	1	5'-10" MEATCASE	HOWARD MCCRAY	SC-CDS34N-6-JM	ECO	8.7AMP 115V/60/1		NSF-7. OUTLET INSTALLED AT 18" AFF.
2	1	SNEEZEGUARD	C.R. LAURENCE		GC		C.R. LAURENCE 323-588-1281 X 7710 RICARDO BASULTO	
3	1	4' DROP IN COLD UNIT	DELFIELD	N8148-EFN	ECO	7.5 AMP 115V/60/1		NO DRAIN REQUIRED. OUTLET INSTALLED AT 18" AFF
3A	1	2' DROP IN COLD UNIT	DELFIELD	N8118-EF	ECO	7.5 AMP 115V/60/1		NO DRAIN REQUIRED. OUTLET INSTALLED AT 18" AFF
4	2	SLICER	BIZERBA	GSP-H33 W/LIFT	ECO	120V/60/1		OUTLET INSTALLED AT 24" AFF, IN MILLWORK
5	1	MENU BOARD	JMFS	JMFS	GRAPHICS CO.			ORDERED WITH GRAPHICS PACKAGE
6	1	TELEPHONE	VARIES	VARIES	FRANCHISEE			
7	3	CHIP DISPLAY UNIT	PEPSI					
8	1	CASH REGISTER	INFOSOFT	UP700	FRANCHISEE			REG. W/ COMM. MODEM, CASH DRAWER, RECEIPT & JOURNAL (2 SETS KEYS). OUTLET INSTALLED AT 18"
10	1	BREAD OVEN	NUVU	QB 5/ 10 AUTOMIST	ECO	29AMP 208V/1 or 3ph OR 29AMP/1 or 3ph	1/4" SUPPLY LINE	AUTO MISTER NOT OPTIONAL. OUTLET INSTALLED AT 78" AFF
11	1	BREAD PANS	LINCOLN FOOD SERVICE		SMALLWARES CO.			18 GAUGE SHEET PANS
12	3	BREAD RACK	CHANNEL	401AC	SMALLWARES CO.			W/ (2) CURTAIN COVERS, WINDOW DISPLAY, ZIPPER
12A	1	BREAD RACK (STATIONARY)	CHANNEL	DE100517	SMALLWARES CO.			W/ (2) CURTAIN COVERS, WINDOW DISPLAY, ZIPPER
13	1	HAND SINK - WALL HUNG	CHG	FS17D141005JM	ECO		CHG FKL45-4000-RE4 FAUCET	
14	1	3 COMPARTMENT SINK	ADVANCE TABCO/CHG	FC-3JM-DB	ECO		CHG KL53-1000-AF4 PRE-RINCE SPRAYER/ ADD-A-FAUCET, KL54-8012 AUCET AND D50-7100 LEVER WASTES - QTY 3	
15	1	PREP SINK	ADVANCE TABCO/CHG	FC-1JM-D_	ECO		CHG KL54-8002 FAUCET	ONE COMPARTMENT SINK W/ DRAINBOARD ON EITHER THE LEFT OR RIGHT SIDE
16	2	WIRE SHELVING	METRO		ECO			
16B	2	18" X 24" WIRE SHELVING	METRO					
16F	1							
17	1	1 DOOR PEPSI COOLER	PEPSI	GDM-26	PEPSI			OUTLET INSTALLED AT 18" AFF
18	1	WALK-IN COOLER	NORLAKE	KLB-776'X8'-C_-36"	ECO	115V FOR LIGHTS AND DOOR HEATER, 15 AMP BREAKER		
18A	1	CAPSUL PACK	NORLAKE	CPB-____-DCA	ECO	208-230/ 60/ 1 .8 TOTAL SYSTEM AMPS, 9.3 MINIMUM CIRCUIT AMPS, 20A MAX FUSE SIZE		
19	1	STEP IN FREEZER	NORLAKE	KLF-774'X6'-C_-36"	ECO	115V FOR LIGHTS AND DOOR HEATER, 15 AMP BREAKER		WITH 4" STEP-UP FLOOR PANEL, SELF CONTAINED CASULE PAK SYSTEM, FIELD COORDINATE POWER REQUIREMENT
19A	1	CAPSUL PACK	NORLAKE	CPF-____-DCA	ECO	208-230/60/1, 14.9 DEFROST AMPS, 8.4 TOTAL SYSTEM AMPS, 14.9 MINIMUM CIRCUIT AMPS, 15 MAX FUSE SIZE		
20	1	MOP SINK		2' X 2'	GC		1/2" SUPPLY, 1 1/2" DRAIN, VENT	MOP HANGER AND WALL GUARD
21A	2	SANDWICH UNIT	DELFIELD	4427N-8-JM2	ECO	115V/60/1		
22	1	GRILLE	IMPERIAL	IR-G48T-XB-JMI	ECO		CONFIRM NATURAL OR LP GAS	
23	1	EXHAUST HOOD SYSTEM & FIRE SYSTEM	CAPTIVE AIRE	ANSUL	ECO	(4) 115V	FIRE SYSTEM ANSUL	
23A	1	CONDENSATE HOOD	CAPTIVE AIRE	6024VHB	ECO	(1) 115V		
24	1	TV'S W/ MOUNTING BRACKETS	VARIES	42" MONITOR	FRANCHISEE/GC	110V		
25	1	PORTABLE FIRE EXTINGUISHERS			GC			
26	1	DRINK DISPENSER & ADAPTER KIT	PEPSI	DISPENSER: IDC255, ADAPTOR: 80002957	PEPSI	9.3AMP 115V/60/1	1/2" SUPPLY, CONDENSATION DRAIN	COORDINATE W/ PEPSI. OUTLET INSTALLD AT 42" AFF
27	1	FLOOR SAFE	VARIES	VARIES	FRANCHISEE			
28	1	ICED TEA BREWER/DISPENSER	BUNN	TB3Q	LUZIANNE	120V, 14.4 AMP		1-800-627-2094. OUTLET INSTALLED AT 42" AFF
30	1	SS. PREP TABLE 24" x 24"	ADVANCE TABCO	KMG-24x24-JM	ECO			
31	1	COUNTER TOP FOOD WARMER	VOLLRATH	71001 MODEL 1001	SMALLWARES CO.	120V, 5.8 AMP		OUTLET INSTALLED AT 54" AFF
31B	1	RECESSED BACON WARMER	WELLS	HSW6	ECO	120V, 6.9 AMP		NO DRAIN. HARDWIRED INSTALLED AT 18" AFF
34	1	BAG IN BOX SYSTEM	PEPSI	PEPSI	PEPSI	110/120V - 20AMP DUAL OUTLET	1/2" SUPPLY	WATER CONNECTION IS NEEDED FOR THE FILTRATION SYSTEM. OUTLET CAN BE INSTALLED AT 80" AFF
35A	1	SLIM JIM REFUSE CONTAINER	RUBBERMAID	11"x20"	SMALLWARES CO.			
46	1	ICE MAKER	HOSHIZAKI	KM-520MAJ	ECO	115V/60 20AMP BREAKER	PROVIDE DRAIN	OUTLET INSTALLED AT 42" AFF
47	1	TAKE OUT SHELF	METRO		ECO			CUSTOM BUILT SHELF
49	1	JUICE SHELVING	METRO		ECO			CUSTOM METRO SHELVING 7"H, 12"D, 42"L
53	2	BABY CHANGING TABLE			SMALL WARES CO.			
56	2	TROUGH	FRANKLIN SHEET METAL					

FURNITURE FURNISHED AND INSTALLED BY THE GC.

FURNITURE SCHEDULE xx

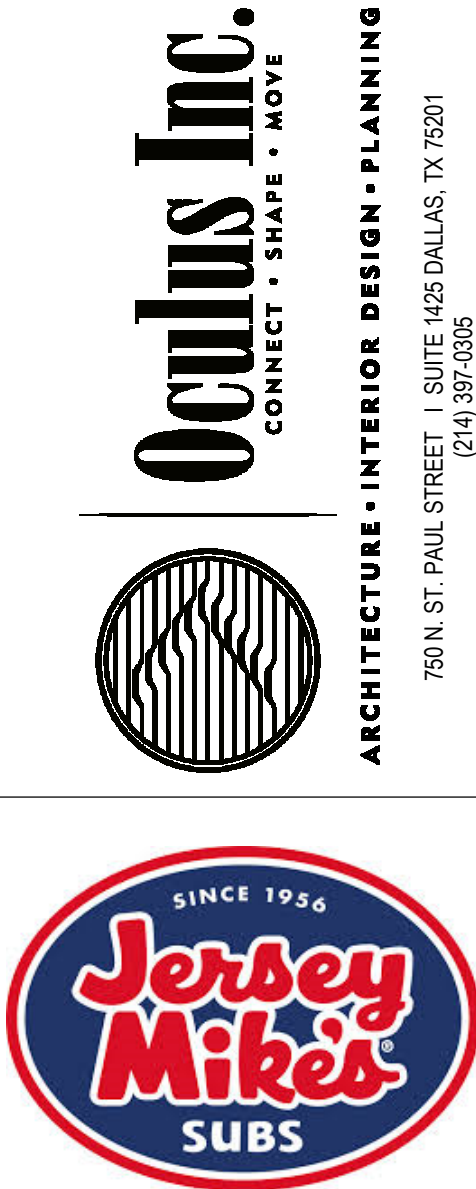
Count	Type Mark	Description	Manufacturer	Model	SUPPLIER	Comments
6	36	TABLE TOP AND BASE	ATS	24"x20"	FURNITURE CO.	ADA COMPLIANT TABLETOP
3	37	TABLE TOP AND BASE	ATS	24"x42"	FURNITURE CO.	ADA COMPLIANT TABLETOP
24	39	CHAIRS - LOW	ATS		FURNITURE CO.	
6	47	BAR STOOL	ATS		FURNITURE CO.	

SHEET NOTES:

- ALL FURNITURE AND EQUIPMENT IS PROVIDED BY THE TENANT. LAYOUT SHOWN TO REFLECT DESIGN INTENT ONLY.
- BLOCKING REQUIRED AT ALL WALL-MOUNTED SHELVING

KEYNOTES: xx

KEY #	KEYNOTE TEXT
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JERSEY MIKES - REGENCY PARK

9220 Metcalf Ave
Overland Park, KS 66212

#	Description	Date
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FOR DESIGN
INTENT
REFERENCE
ONLY

PERMIT SET

Client Approval

REFERENCE
FURNITURE PLAN

Project # 43419-KS02

Issue Date 11/20/2019

Scale 1/4" = 1'-0"

Drawn by JDW

Checked by MTB

R1.1

DIVISION 16 - ELECTRICAL SPECIFICATIONS

SECTION 16100
ELECTRICAL SPECIAL CONDITIONS

1. GENERAL
- A. APPLICABLE PROVISIONS OF AIA DOCUMENT A201, "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION", AND DIVISION 1 GENERAL CONDITIONS GOVERN WORK UNDER THIS SECTION AND ALL OTHER SECTIONS OF DIVISION 16.
- B. APPLICABLE PROVISIONS OF THIS SECTION GOVERN WORK UNDER ALL OTHER SECTIONS OF DIVISION 16. WORK COVERED BY THIS SECTION SHALL CONSIST OF PROVIDING ALL MATERIAL, LABOR, EQUIPMENT AND SERVICES NECESSARY FOR A COMPLETE, TESTED AND ADJUSTABLE ELECTRICAL INSTALLATION READY FOR OPERATION AS SPECIFIED HEREIN AND AS SHOWN ON THE DRAWINGS.
- C. THE TERM CONTRACTOR AS USED IN THIS SECTION SHALL MEAN ANY CONTRACTOR OR SUBCONTRACTOR WHO HAS CONTRACTED TO PERFORM WORK INCLUDED IN AND DEFINED BY THIS SECTION AND ALL OTHER SECTIONS OF DIVISION 16.
2. CONTRACTOR'S RESPONSIBILITY
- A. PRIOR TO SUBMITTING HIS BID, CONTRACTOR SHALL CAREFULLY EXAMINE THESE CONSTRUCTION DOCUMENTS, THE DEVELOPER'S EXHIBITS, AND THE SITE, TO INQUIRE FULLY INTO DIFFICULTIES AND COSTS OF WORK, AND TO DETERMINE THE SCOPE AND CHARACTER OF WORK TO BE DONE. CONTRACTOR SHALL INCLUDE ALL NECESSARY COSTS TO LOCATE AND/OR EXTEND ALL UTILITIES INCLUDING LIGHTING PANELS, POWER PANELS, ELECTRICAL SERVICE, PHONE SERVICE AND/OR MODIFY EQUIPMENT TO MEET THE INTENT OF THE CONTRACT DOCUMENTS. THE OWNER, OWNER'S AGENT, ARCHITECT, ENGINEER OR DESIGNER SHALL NOT BE RESPONSIBLE FOR FAILURE OF THE CONTRACTOR TO DETERMINE DIFFICULTIES AND COSTS IN THE PROJECT OR FOR HIS OVERLOOKING OF THE REQUIREMENTS.
- B. IF THIS CONTRACTOR DOES NOT CLEARLY UNDERSTAND THE PLANS AND SPECIFICATIONS, OR IF THERE ARE ANY REQUIREMENTS WHICH ARE AMBIGUOUS IN THE CONTRACTOR'S OPINION, HE SHOULD CALL THIS TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING, SINCE THIS CONTRACTOR WILL BE HELD RIGIDLY TO THE INTERPRETATIONS OF THE ARCHITECT AND ENGINEER.
- C. CONTRACTOR SHALL SCHEDULE HIS WORK IN COOPERATION WITH OTHER TRADES INSTALLING INTERRELATED WORK. HIS WORK SHALL BE SCHEDULED TO MAINTAIN SERVICE TO ALL REQUIRED AREAS DURING THE COURSE OF THE CONSTRUCTION EXCEPT FOR SHORT TERM PLANNED SHUTDOWNS, ANY OF WHICH SHALL BE PRE-SCHEDULED WITH THE OWNERS AGENT AND THE LANDLORD.
3. WORKMANSHIP AND GUARANTEE
- A. IN ENTERING INTO A CONTRACT COVERING THIS WORK, THE CONTRACTOR ACCEPTS THE SPECIFICATIONS AND GUARANTEES THAT THE WORK WILL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. CONTRACTOR FURTHER GUARANTEES THAT THE WORKMANSHIP AND MATERIAL WILL BE OF THE BEST PROCURABLE AND THAT NONE BUT EXPERIENCED WORKMEN EXPERIENCED IN EACH PARTICULAR CLASS OF WORK WILL BE EMPLOYED. CONTRACTOR FURTHER GUARANTEES TO REPLACE AND MAKE GOOD AT HIS OWN EXPENSE ANY DEFECTS DUE TO FAULTY WORKMANSHIP OR MATERIAL WHICH MAY DEVELOP WITHIN ONE (1) YEAR AFTER FINAL PAYMENT AND ACCEPTANCE BY THE ARCHITECT.
4. CODES AND STANDARDS
- A. CONTRACTOR WILL COMPLY IN ALL RESPECTS WITH THE ADOPTED BUILDING CODES, APPLICABLE LAWS, ORDINANCES, AND REGULATIONS AS MAY APPLY ACCORDING TO THE RULING OF THE CONTROLLING PUBLIC OFFICIAL SHOULD THE CONTRACTOR PERFORM ANY WORK THAT DOES NOT COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE LAWS, ORDINANCES AND REGULATIONS, OR WHICH DOES NOT RECEIVE THE APPROVAL OF THE CONTROLLING PUBLIC OFFICIAL. HE SHALL BEAR ALL COSTS ARISING IN CORRECTING THE DEFICIENCIES. ALL ELECTRICAL EQUIPMENT SHALL BEAR THE UNDERWRITER'S LABORATORY LABEL.
5. FEES ON PERMITS
- A. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAKING PAYMENT FOR ALL FEES, PERMITS AND INSPECTIONS RELATING TO HIS WORK.
6. CONTRACT DRAWINGS
- A. THE DRAWINGS SHOW THE GENERAL ARRANGEMENT AND INTENT OF THE DESIGN AND SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONDITIONS AND THE WORK OF OTHER TRADES WILL PERMIT. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, AND ACCESSORIES WHICH MAY BE REQUIRED, NOR IS IT IMPLIED THAT ALL CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE SYSTEMS OR BUILDING COMPONENTS HAVE BEEN INDICATED. THE CONTRACTOR SHALL INVESTIGATE ALL EXISTING CONDITIONS AFFECTING THE WORK AND ARRANGE HIS WORK ACCORDINGLY, PROVIDING SUCH FITTINGS, OFFSETS, ACCESSORIES AND DEVICES AS MAY BE REQUIRED. THE DRAWINGS AND SPECIFICATIONS ARE MUTUALLY COMPLEMENTARY, AND ANY WORK REQUIRED BY ONE BUT NOT BY THE OTHER SHALL BE PERFORMED BY BOTH. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS AND SERVICES REQUIRED FOR A COMPLETE AND WORKING PROJECT AT NO ADDITIONAL COST EVEN THOUGH EACH AND EVERY NECESSARY ELEMENT THEREOF IS NOT SPECIFICALLY IDENTIFIED HEREIN EACH AND EVERY NECESSARY ELEMENT THEREOF IS NOT SPECIFICALLY IDENTIFIED HEREIN.
- B. CONTRACTOR SHALL NOT SCALE FROM THE DRAWINGS BUT SHALL FOLLOW THE ARCHITECTURAL DRAWINGS OR EXISTING BUILDING CONDITIONS WHERE APPLICABLE, IN ESTABLISHING DIMENSIONS AND LINES OF RUN, SINCE DIMENSIONS ON THE FINAL ARCHITECTURAL DRAWINGS OR AT THE SITE MAY NOT COINCIDE WITH THOSE SHOWN ON THE ELECTRICAL DRAWINGS. THE CONTRACTORS SHALL VERIFY WITH THE DIMENSIONED ARCHITECTURAL DRAWINGS OR THE SITE CONDITIONS THE EXACT MATERIAL QUANTITIES AND LENGTHS NECESSARY.
- C. SIGNIFICANT DEVIATIONS OR CHANGES FROM THE DRAWINGS WHICH ARE REQUIRED TO ACCOMPLISH THE INTENT OF THE CONTRACT DOCUMENTS MUST BE REVIEWED WITH THE ARCHITECT AND APPROVED BEFORE PROCEEDING.
7. SHOP DRAWINGS
- A. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, FOUR (4) COPIES MINIMUM, FOR ALL MANUFACTURED PRODUCTS. EACH SHOP DRAWING SHALL BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMITTAL TO ASSIST IN THE IDENTIFICATION OF DIMENSIONS, CAPACITIES AND ACCESSORIES SHOWN ARE IN CONFORMANCE WITH THE CONTRACT DOCUMENTS, AND SHALL BE MARKED OR STAMPED TO CONFIRM THAT SUCH REVIEW WAS MADE AND COMPLIANCE WAS CONFIRMED.
- B. APPROVAL OF SHOP DRAWINGS BY THE OWNER, OWNER'S AGENT, ARCHITECT, ENGINEER OR DESIGNER, WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF COMPLYING WITH ALL TERMS OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PERFORMANCE OF ALL EQUIPMENT PURCHASED, FOR PROPER FIT, AND OTHER DIMENSIONAL REQUIREMENTS.
8. RECORD DRAWINGS
- A. CONTRACTOR SHALL MAINTAIN AT THE JOB SITE ONE SET OF DOCUMENTS AS "RECORD DRAWINGS" FOR THE PURPOSE OF DAILY MARKING OF ALL SUBSTANTIAL REVISIONS TO THE DOCUMENTS INCLUDING BUT NOT LIMITED TO ELECTRICAL CHANGES, AND LOCATIONS OF UTILITIES, PANELBOARDS, DISCONNECTS, STARTERS AND OTHER DEVICES REQUIRING PERIODIC OPERATIONAL ATTENTION, ADJUSTMENT, OR SERVICE INCLUDING ACCESS THERETO, AT THE COMPLETION OF THE PROJECT, THIS SET SHALL BE RETURNED TO THE ARCHITECT FOR THE PURPOSE OF MAKING FINAL "AS-BUILT DRAWINGS".
9. EQUIPMENT SUBSTITUTION
- A. SPECIFIC MANUFACTURERS AND MODELS OF EQUIPMENT HAVE BEEN USED IN THE DEVELOPMENT OF THE DRAWINGS AND DESIGNS. THIS CONTRACTOR MUST SUBMIT TO THE OWNER ANY CHANGES AND/OR SUBSTITUTIONS FOR APPROVAL PRIOR TO INSTALLATION OR EXECUTION, ANY CHANGES WHICH DO NOT RECEIVE THE OWNER'S APPROVAL MAY BE SUBJECT TO REMOVAL OR REPLACEMENT AS ORIGINALLY SPECIFIED, AND WILL BE AT THE CONTRACTOR'S EXPENSE.
- B. IF THIS CONTRACTOR SUBSTITUTES FOR SPECIFIED EQUIPMENT ANY OTHER EQUIPMENT WHICH REQUIRES ANY CHANGES TO THE DESIGN, ALL COST OF REDESIGN AND RECONFIGURATION RESULTING FROM SAID SUBSTITUTION SHALL BE BORNE BY THE SUBMITTING CONTRACTOR.
10. EQUIPMENT INSTALLATION AND SUPPORT
- A. CONTRACTOR SHALL SUPPORT PLUMB, RIGID AND TRUE-TO-LINE ALL WORK AND EQUIPMENT INSTALLED. THIS CONTRACTOR SHALL DETERMINE HOW EQUIPMENT, FIXTURES, ETC., ARE TO BE SUPPORTED, MOUNTED, OR SUSPENDED AND SHALL PROVIDE ACCESSORIES REQUIRED FOR PROPER SUPPORT WHETHER SHOWN ON THE DRAWINGS OR NOT. IF SUPPORTS ARE REQUIRED, CONTRACTOR SHALL SUBMIT DRAWINGS TO THE ARCHITECT FOR APPROVAL.
- B. PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS PRINTED INSTALLATION AND MAINTENANCE LITERATURE. COMPONENTS REQUIRING PERIODIC MAINTENANCE OR ADJUSTMENTS SHALL BE LOCATED OR INSTALLED AS TO PERMIT ACCESS WITHOUT DAMAGE TO STRUCTURE, FINISHES OR OTHER EQUIPMENT.
- C. ALL CONDUIT CONNECTING TO SWITCHGEAR, PANELS, MOTORS, AND OTHER EQUIPMENT SHALL BE INSTALLED WITHOUT STRAIN AT THE CONNECTIONS. THE CONTRACTOR MAY BE REQUIRED, AS DIRECTED, TO DISCONNECT CONDUITS TO DEMONSTRATE THAT THEY HAVE BEEN SO CONNECTED.

11. DEMOLITION
- A. ALL EXISTING EQUIPMENT, NOT INDICATED TO BE INCORPORATED INTO THE NEW SYSTEM SHALL BE DISCONNECTED BY THIS CONTRACTOR FOR REMOVAL BY OTHERS FROM THE JOB SITE. CARE SHALL BE USED SO THAT NO DAMAGE IS DONE TO EXISTING BUILDING, PIPING, DUCTWORK, AND/OR ELECTRICAL EQUIPMENT. ANY DAMAGE ATTRIBUTED TO THIS CONTRACTOR SHALL BE REPAIRED OR REPLACED BY THIS CONTRACTOR.
12. CUTTING AND PATCHING
- A. ALL CUTTING THAT MAY BE NECESSARY FOR THE INSTALLATION OF THE WORK OR ANY REQUIRED PATCHING THAT RESULTS THEREFROM SHALL BE DONE BY THE PROPER TRADE INVOLVED AND SHALL BE INCLUDED AS PART OF THIS CONTRACTOR TO DUPLICATE UNDISTURBED ADJACENT FINISHES, COLORS, TEXTURES AND PROFILES. COLUMNS, BEAMS, GIRDERS OR JOISTS SHALL NOT BE CUT.
- B. ALL WORK AFFECTING ROOF OR STRUCTURES SHALL BE PERFORMED BY LANDLORD'S CONTRACTOR AT TENANT'S EXPENSE.
13. CLEANING
- A. COMPLETION AS IT PERTAINS TO THE CONTRACT COMPLETION DATE IS DEFINED AS THE DAY THE PROJECT IS TURNED OVER TO THE OWNER IN THOROUGHLY CLEAN CONDITION. READY FOR THE OWNER TO TAKE POSSESSION. ALL FIXTURES, MOTORS, EQUIPMENT AND ALL OTHER ELECTRICAL EQUIPMENT FURNISHED OR INSTALLED BY THE CONTRACTOR SHALL BE THOROUGHLY CLEANED.
14. TESTS
- A. PROVIDE THE TESTS AS OUTLINED HEREINAFTER AND OTHER TESTS NECESSARY TO ESTABLISH THE ADEQUACY, QUALITY, SAFETY, COMPLETED STATUS AND SUITABLE OPERATION OF EACH SYSTEM. CORRECT PROMPTLY ANY FAILURE OR DEFECTS REVEALED BY THESE TESTS AND RECONDUCT TEST ON THE CORRECTED ITEMS.
- B. TEST THE GROUNDS WITH A GROUND RESISTANCE DIRECT READING SINGLE-TEST MEGGER.
- C. INSULATION RESISTANCE BETWEEN PHASE CONDUCTORS AND GROUND NOT LESS THAN 1,000,000 OHMS.
- D. THE PANELBOARDS SHALL HAVE PHASE CURRENTS BALANCED TO WITHIN +/- 10% VARIATION BETWEEN AVERAGE PHASE CURRENT AND MEASURED INDIVIDUAL PHASE.
- E. AN OPERATIONAL TEST OF THE EMERGENCY LIGHTS AND THE EXIT LIGHTS SHALL BE PERFORMED FOR THE OWNER TO DEMONSTRATE CONFORMANCE TO THE SPECIFICATIONS.
15. TEMPORARY ELECTRICAL SERVICE
- A. TEMPORARY ELECTRICAL SERVICE SHALL BE IN ACCORDANCE WITH THE BUILDING CODE. TEMPORARY LIGHTING SHALL BE PROVIDED BY A LAMP LOCATED FOR EVERY 625 SQUARE FEET OF BUILDING AREA WITH A MINIMUM OF ONE PER ROOM. THE LAMP TO BE 100 WATT AND SHALL BE MAINTAINED BY THE GENERAL CONTRACTOR.
- B. TEMPORARY POWER DISTRIBUTION SHALL BE SUFFICIENT TO ACCOMMODATE THE TEMPORARY LIGHTING AND CONSTRUCTION USE OF POWER TOOLS (BUT NOT INCLUDING HEAVY-DUTY ELECTRICAL WELDING UNITS), ELECTRICAL HEATING UNITS, AND START-UP OF SPECIFIED BUILDING EQUIPMENT, WHICH IS TO BE TESTED, STARTED OR PLACED INTO OUR USE PRIOR TO COMPLETION OF ITS PERMANENT POWER CONNECTIONS.
16. EXCAVATION AND BACKFILL
- A. CONTRACTOR SHALL DO ALL EXCAVATION REQUIRED AS SHOWN ON PLANS OR REQUIRED FOR PROPER OPERATION. EXCESS EXCAVATION BELOW THE REQUIRED LEVEL SHALL BE BACKFILLED WITH EARTH AND THOROUGHLY TAMPED. UTILITY SERVICES, SHALL BE INSPECTED AND APPROVED BY THE PROPER INSPECTION AUTHORITY BEFORE BACKFILLING.

SECTION 16200
ELECTRICAL POWER AND LIGHTING

1. RELATED DOCUMENTS
- A. APPLICABLE PROVISIONS OF AIA DOCUMENT A201, "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION", DIVISION 1 GENERAL CONDITIONS AND SECTION 16100 ELECTRICAL SPECIAL CONDITIONS GOVERN WORK UNDER THIS SECTION.
- B. REFER TO SECTION 16100 ELECTRICAL SPECIAL CONDITIONS REGARDING REGULATIONS AND REQUIREMENTS AFFECTING ALL WORK DESCRIBED IN THIS SECTION.
2. POWER SERVICE
- A. POWER SERVICE FOR THIS PROJECT SHALL BE PROVIDED FROM THE UTILITY CO. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH TO INSURE THAT ALL WORK AND MATERIALS ARE IN CONFORMANCE WITH THE UTILITY CO'S REQUIREMENTS.
3. NAMEPLATES
- A. ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO, PANELBOARDS, DISCONNECTS TRANSFORMERS, CONTROLS, ETC., SHALL BE IDENTIFIED WITH THREE PLY LAMINATED PLASTIC. THE OUTSIDE LAMINATIONS SHALL BE BLACK. ENGRAVING SHALL EXTEND THROUGH THE FRONT LAMINATION SO THAT THE BLACK LETTERS APPEAR ON A WHITE BACKGROUND. NAMEPLATES SHALL BE PERMANENTLY ATTACHED WITH SCREWS.
- B. CIRCUIT DIRECTORY SHALL BE TYPEDWRITTEN (HANDWRITTEN IS NOT ACCEPTABLE) AND SHALL IDENTIFY CIRCUIT AS TO TYPE AND LOCATION AS FOLLOWS:
- "LTG" - FOR LIGHTING CIRCUIT FOLLOWED BY AREA IN WHICH CIRCUIT APPEARS, I.E., "STOCKROOM", "CASH WRAP", ETC.
- "RECEPT" - FOR RECEPTACLE CIRCUIT FOLLOWED BY AREA IN WHICH RECEPTACLE APPEARS, "STOREFRONT", "CASH REGISTER", ETC.
- "MOTOR" - FOR MOTOR FOLLOWED BY THE EQUIPMENT IDENTIFICATION AND AREA IN WHICH MOTOR IS LOCATED, I.E. "EXH FAN TOILET", "AHU--ROOF", ETC.
4. CONDUIT
- A. ALL WIRING SHALL BE RUN IN CONDUIT. THIN WALL EMT CONDUIT SHALL BE USED SIZES 1/2" THROUGH 2-1/2". ALL CONDUITS LARGER THAN 2-1/2" SHALL BE HEAVYWALL CONDUITS. CONDUITS INSTALLED UNDERGROUND OR IN CONCRETE SLABS SHALL BE PVC JACKETED FLEXIBLE STEEL CONDUIT (SEALTITE) SHALL BE USED IN WET AREAS AND ON ALL MOTORIZED EQUIPMENT. "MC" CABLE MAY BE USED AT THE CONTRACTORS DISCRETION IF ALLOWED BY LOCAL CODES. NO BX, ROMEX, ETC. SHALL BE ALLOWED.
- B. ALL OPENINGS IN FIRE AND SMOKE WALLS, PARTITIONS, FLOORS AND OTHER SIMILAR PENETRATIONS FOR ELECTRICAL CONDUITS, CABLE OR EQUIPMENT, WHETHER CUT OR IN PLACE, SHALL BE CLOSED WITH AN APPROVED FIRE RESISTANT SILICONE GUM SEALANT TO MAINTAIN THE FULL RATING AND INTEGRITY OF THE PARTITIONS, WALLS OR FLOOR.
- C. CONDUIT BENDS FOR POWER AND LIGHTING CIRCUITS SHALL NOT BE LESS THAN STANDARD RADIUS BENDS. CONDUIT BENDS FOR FEEDERS, TELEPHONE AND COMMUNICATION CIRCUITS SHALL NOT BE LESS THAN LONG RADIUS BENDS.
- D. O.Z. TYPE DX, TX, OR AX CONDUIT EXPANSION DEFLECTION FITTINGS ARE REQUIRED IN ALL CONDUIT RUNS WHERE MOVEMENT MAY BE ENCOUNTERED. ALL EMT COUPLINGS SHALL BE COMPRESSION TYPE.
- E. EXPOSED CONDUIT SHALL BE SECURELY SUPPORTED IN PLACE PER CODE BUT ON A MAXIMUM OF 10 FOOT INTERVALS, WITHIN THREE FEET OF EACH END, AT EVERY OUTLET OR JUNCTION BOX AND AT THE END OF EACH STRAIGHT RUN TERMINATING AT A BOX OR CABINET. CONDUIT SHALL NOT BE SUPPORTED FROM DUCTWORK OR PIPE WORK. CONDUITS SHALL BE RUN PARALLEL TO AND AT RIGHT ANGLES TO THE BUILDING LINES. GENERALLY, CONDUIT SHALL BE RUN IN CONTACT WITH STRUCTURAL PARTS OF THE BUILDING SO AS TO AVOID SUSPENDED LENGTHS OF CONDUIT. CONDUIT SHALL BE INSTALLED AS TO BE ACCESSIBLE FOR REPLACEMENT AND MAINTENANCE AND GENERALLY CONDUIT SHALL BE INSTALLED TO PERMIT DRAINAGE.
5. WIRE AND CABLE
- A. ALL WIRE AND CABLE SHALL BE COPPER AND RUN IN CONDUIT. ALL WIRE AND CABLE FEEDERS AND BRANCH CIRCUITS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE CURRENT EDITION OF THE N.E.C. AND SHALL MEET ALL ASTM SPECIFICATIONS. WIRE AND CABLE SHALL BE NEW, SHALL HAVE SIZE, GRADE OF INSULATION VOLTAGE AND MANUFACTURER'S NAME PERMANENTLY MARKED ON OUTER COVERING AT REGULAR INTERVAL AND SHALL BE DELIVERED IN COMPLETE COILS OR REELS WITH IDENTIFYING SIZE AND INSULATION TAGS.
- B. THE ELECTRICAL CONTRACTOR SHALL CALCULATE VOLTAGE DROP ON CONDUCTORS WITH LENGTHS GREATER THAN 75 FEET FROM THE PANELBOARD AND PROPERLY SIZE THE CONDUCTORS PER N.E.C.
- C. POWER CONDUCTORS: NO WIRE LESS THAN NO. 12 SHALL BE USED EXCEPT FOR CONTROL CIRCUITS OR LOW VOLTAGE WIRING. WIRE SIZES NO. 12 TO NO. 10 SHALL BE SOLID EXCEPT WHERE OTHERWISE INDICATED. WIRE SIZES NO. 8 AND LARGER SHALL BE STRANDED. ALL WIRE SIZES SHOWN ARE AMERICAN WIRE GAUGE SIZES. SIZES NO. 12 AWG THROUGH NO. 8 AWG SHALL BE "THHN." SIZE 4 AWG AND LARGER SHALL BE "THW."
- D. CONTINUITY: ALL WIRES SHALL BE CONTINUOUS FROM OUTLET TO OUTLET.
- E. ACCEPTABLE MANUFACTURERS: CABLE AND WIRE SHALL BE STANDARD TYPE AS MANUFACTURED BY GENERAL CABLE COMPANY, CAROL, ANACONDA, ROM OR ITT ROYAL.
6. COLOR CODING
- A. A COLOR CODING SYSTEM AS LISTED BELOW SHALL BE FOLLOWED THROUGHOUT FOR FEEDERS AND BRANCH CIRCUITS AND USED AS A BASIS FOR BALANCING LOAD.
- 120/208V: PHASE A--BLACK, PHASE B--RED, PHASE C--BLUE, NEUTRAL--WHITE, GROUND--GREEN
- 277/480V: PHASE A--BROWN, PHASE B--ORANGE, PHASE C--YELLOW, NEUTRAL--GRAY, GROUND--GREEN
7. BOXES AND FITTINGS
- A. ALL OUTLETS SHALL BE PROVIDED WITH GALVANIZED OR SHERARDIZED BOXES SUITABLE IN DESIGN TO THE SPACE THEY OCCUPY AND THE PURPOSE THEY SERVE. WALL MOUNTED OUTLET BOXES, EXCEPT FOR 2" PARTITIONS SHALL BE AT LEAST 1 1/2" DEEP AND/OR DEEPER IF REQUIRED BY THE DEVICE THEY HOLD OR THE NATIONAL ELECTRICAL CODE.
- B. ALL PULLBOXES SHALL BE MADE OF GALVANIZED STEEL, OF METAL GAUGE AND PHYSICAL SIZE AS REQUIRED BY THE N.E.C. FOR THE NUMBER AND SIZE OF RACEWAYS AND CONDUCTORS INVOLVED.
- C. FIXTURE, OUTLET BOXES IN OR ON CEILINGS SHALL NOT BE LESS THAN 1-1/2" DEEP OR LESS THAN 4" SQUARE. ALL OUTLET BOXES INTENDED TO SUPPORT FIXTURES SHALL BE EQUIPPED WITH 3/8" FIXTURE STUDS FASTENED THROUGH THE BOTTOM OF THE BOX WITH FOUR BOLTS.
8. CIRCUIT BREAKER PANELBOARDS
- A. PANELS SHALL BE DEAD FRONT, SAFETY TYPE, FURNISHED WITH BRANCH CIRCUIT PROTECTING DEVICES, EQUIPMENT GROUNDING BOX, MAIN BUS AND CABLE LUGS FACTORY ASSEMBLED, WITH ALL COMPONENTS IN PLACE, READY FOR INSTALLATION.
- B. CURRENT CARRYING CONTACT SURFACES SHALL BE SILVER OR TIN PLATED. THE CIRCUIT BREAKERS SHALL BE OF THE MOLDED CASE, PLUG-IN TYPE SUITABLE FOR VOLTAGE AND AMPERE RATINGS INDICATED ON DRAWINGS AND IN SCHEDULES AND SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 22,000 AMPERES FOR 120/208V AND 25,000 AMPERES AT 277/480V.
- C. MAIN BUSES AND CONNECTORS SHALL BE HARD DRAWN COPPER OF 98% CONDUCTIVITY, WITH CURRENT CARRYING CAPACITY TO MAINTAIN ESTABLISHED RISE TESTS AS DEFINED IN UL STANDARD UL 67.
- D. CABINET SIZES ARE BASED UPON A 20" WIDE BY 6" DEEP PANEL UNLESS OTHERWISE NOTED. PANELBOARDS SHALL BE EQUIPPED WITH FLUSH TYPE LOCK AND CATCH. ALL LOCKS SHALL BE KEYED ALIKE, AND TWO KEYS ARE TO BE SUPPLIED WITH EACH LOCK.
- E. PANELBOARDS TO BE BY SQUARE D, GENERAL ELECTRIC, SIEMENS OR CUTLER HAMMER.
9. TRANSFORMERS
- A. DRY-TYPE TRANSFORMERS SHALL BE OF THE ENCLOSED VENTILATED TYPE WITH KVA AND VOLTAGE RATING AS CALLED FOR ON THE DRAWINGS AND WITH 150" CLASS H INSULATION AND MINIMUM OF SIX STANDARD FULL CAPACITY TAPS. SOUND LEVEL SHALL BE LOW AND INSTALLATION SHALL INCLUDE KORFUND OR EQUAL VIBRATION DAMPENING MOUNTS AND FLEXIBLE STEEL CONDUIT FOR PRIMARY AND SECONDARY. (MOUNT TRANSFORMER ON VIBRATION ISOLATORS). LOCATE TRANSFORMER AS NOT TO CAUSE SERVICING OR CLEARANCE DIFFICULTIES OF VIOLATIONS WITH OTHER EQUIPMENT.
- B. COMPARABLE EQUIPMENT AS MANUFACTURED BY SQUARE D, GENERAL ELECTRIC, SIEMENS OR CUTLER HAMMER.
10. TOGGLE SWITCHES
- A. TOGGLE SWITCHES SHALL BE WHITE AND SHALL BE RATED 20 AMPERES 120/277 VOLT AC TYPE AS MANUFACTURED BY HUBBELL AND SHALL BE AS FOLLOWS:
- SINGLE POLE --1221-W
- THREE WAY --1223-W
- B. TOGGLE SWITCHES SHALL BE MOUNTED 4'-0" ABOVE FINISHED FLOOR TO MOUNTING PLATE AND, AT DOORS, INSTALLED ADJACENT TO THE TRIM ON THE STRIKING SIDE OF THE DOOR, REGARDLESS OF THE LOCATION INDICATED ON THE DRAWINGS; THEREFORE, CHECK ALL DOOR SWINGS BEFORE INSTALLATION OF CONDUIT OUTLETS.
- C. COMPARABLE EQUIPMENT AS MANUFACTURED BY COOPER WIRING, SLATER, LEVITON, AND BRYANT WILL BE ACCEPTABLE.
11. RECEPTACLES
- A. RECEPTACLES SHALL BE WHITE AS MANUFACTURED BY HUBBELL AND SHALL BE AS FOLLOWS:
- DUPLEX RECEPTACLE --20A-125 VOLT 5362-W
- B. RECEPTACLES SHALL BE MOUNTED 18" ABOVE THE FINISHED FLOOR UNLESS OTHERWISE NOTED.
- C. COMPARABLE EQUIPMENT AS MANUFACTURED BY COOPER WIRING, SIERRA ELECTRIC CORPORATION, SLATER, BRYANT AND LEVITON WILL BE ACCEPTABLE.
12. DEVICE PLATES
- A. DEVICE PLATES SHALL BE STAINLESS STEEL UNLESS OTHERWISE NOTED. COMPARABLE EQUIPMENT AS MANUFACTURED BY COOPER WIRING, SIERRA ELECTRIC CORPORATION, HARVEY HUBBLE INC., BRYANT AND LEVITON WILL BE ACCEPTABLE. PAINT MATCH ADJACENT FINISH COLOR.
13. DISCONNECT SWITCHES
- A. FURNISH AND INSTALL DISCONNECT SWITCHES AS REQUIRED BY CODE. DISCONNECT SWITCHES SHALL BE NEMA HEAVY DUTY TYPE AND UNDERWRITERS LABORATORIES LISTED, MANUFACTURED BY SQUARE D, GENERAL ELECTRIC, CUTLER HAMMER OR SIEMENS.
14. GROUNDING
- A. CONTRACTOR SHALL INSTALL GROUNDING PER NEC, ARTICLE 250 EQUIPMENT GROUNDING SHALL USE ONLY APPROVED GROUNDING CLAMPS AND CONNECTORS AS MANUFACTURED BY PENN--UNION, BURNDY, OR O--Z MFG. COMPANY.
- B. GROUNDING SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLE 250 AND THE UTILITY COMPANY REGULATIONS, CONTRACTOR SHALL CONNECT THE GROUNDING ELECTRODE CONDUCTORS TO THE NEUTRAL BAR INSIDE THE MAIN PANEL.
- C. THE EQUIPMENT GROUNDING SYSTEM SHALL CONSIST OF A CONTINUOUS CONDUIT INSTALLATION AND A GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR. THIS GROUNDING CONDUCTOR SHALL BE INSTALLED IN EVERY CONDUIT OR RACEWAY WITH THE FEEDER OR BRANCH CIRCUIT CONDUCTORS. THIS GROUNDING SHALL BE EXTENDED FROM THE HOUSING OF EVERY ELECTRICAL LOAD, THROUGH PANELBOARD STATIC GROUNDING BUSES, TO THE STATIC GROUNDING BUS IN THE MAIN PANEL. THE GROUNDING BUS SHALL BE BONDED TO THE GROUNDING NEUTRAL BAR INSIDE THE MAIN PANEL.
15. LIGHTING FIXTURES
- A. ALL LIGHTING FIXTURES AND LAMPS SHALL BE FURNISHED BY ELECT. CONTR., UNLESS NOTED OTHERWISE. THIS CONTRACTOR SHALL INSTALL LIGHTING FIXTURES AND LAMPS AS INDICATED ON THE DRAWINGS AND AS SPECIFIED BELOW, COMPLETE WITH HANGERS, PLASTER FRAMES AND ALL OTHER NECESSARY ACCESSORIES.
- B. ALL BALLAST, STARTERS AND LAMPHOLDERS IN FLUORESCENT LIGHTING EQUIPMENT ARE TO BE ELECTRICAL TESTING LABORATORIES, UNDERWRITERS LABORATORIES AND CERTIFIED BALLAST MANUFACTURERS APPROVED. ALL BALLAST FOR FLUORESCENT FIXTURES SHALL BE OF THE HIGH POWER FACTOR TYPE AND SHALL BE GENERAL ELECTRIC "MAXI-MISER II" OR ADVANCED MARK III. WHERE OCTRON LAMPS ARE SPECIFIED PROVIDE APPROPRIATE BALLASTS.
- C. THIS CONTRACTOR SHALL VERIFY THE FINAL CEILING AND FINISH SCHEDULES TO INSURE THE PROPER INSTALLATION AND MOUNTING OF FIXTURES AND SHALL COORDINATE BEFORE MAKING SUBMITTALS.
16. LIGHTING CONTROLS
- A. PANEL #LPBS WITH 8 RELAYS AND BUILT-IN TIME CLOCK AND AS MANUFACTURED BY WATT STOPPER.
- B. TIME SWITCHES SHALL BE 24 HOUR, 7 DAY, DAY SKIPPER 365 DAYS AND HOLIDAYS TYPE AS MANUFACTURED BY TORK, INTERMATIC, OR PARAGON.
17. TELEPHONE SERVICE
- A. THIS CONTRACTOR SHALL INSTALL A TELEPHONE SERVICE CONDUIT AS SHOWN ON THE DRAWINGS AND FURNISH AND INSTALL (1) 3' x 4' x 3/4" PLYWOOD PANEL MOUNTED ON THE WALL AT LOCATION SHOWN ON PLANS.
18. SURFACE METAL RACEWAY
- A. SURFACE METAL RACEWAY SHALL BE TWO PIECE #2100 AS MANUFACTURED BY WIREMOLD. ALL NECESSARY ACCESSORIES TO FIT THE CONFIGURATION SHOWN SHALL BE PROVIDED. RECEPTACLES SHALL BE 120 VAC, 23 APMS, CATALOG NUMBER #2127GT.

19. FLOOR BOXES N/A
- A. FLOOR BOXES SHALL BE WALKER FOUR COMPARTMENT, ADJUSTABLE COMBINATION BOX WITH TUNNEL AND 2 RECEPTACLE BRACKETS, CATALOG NUMBER RFB--4.
- B. COVERS, RECESSED ACTIVATION WITH CARPET TRIM AND WIRE MANAGEMENT BLOCKS, CATALOG NUMBER RAKM11.
- C. TWO DUPLEX RECEPTACLES SHALL BE INSTALLED IN EACH FLOOR BOX.

SECTION 16700
FIRE ALARM SPECIAL CONDITIONS

1. GENERAL
- A. GO TO COORDINATE ALL LOCAL FIRE ALARM REQUIREMENTS WITH LOCAL FIRE MARSHALL AND PROVIDE ALL DEVICES REQUIRED FOR A COMPLETE SYSTEM.

END OF DIVISION 16

#	Description	Date
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Client Approval

Electrical
Specifications

Project # 43419-KS02

Issue Date 11/4/2019

Scale As indicated

Drawn by TJE

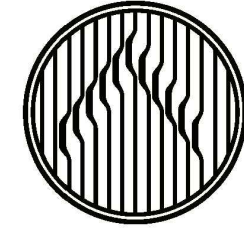
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CASE
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CERTIFICATE OF AUTHORITY No. E-2951

Oculus Inc.
CONNECT • SHAPE • MOVE



JERSEY MIKES - REGENCY
PARK

9220 Metcalf Ave
Overland Park, KS 66212



NOTES:

1. FOOD SAFE TRIM AVAILABLE AS NEEDED WHEN REQUIRED. PART #18622309
2. PROVIDE TRACK LENGTHS AS SHOWN.
2' SECTION: #18624280; 4' SECTION: #18624305; 6' SECTION: #18635039; 8' SECTION: #18627347.
3. PROVIDE TRACK ACCESSORIES AS REQUIRED. PROVIDE EACH TRACK SECTION WITH 2 AMP CURRENT LIMITING END-FEED.
4. CAPABLE OF PROVIDING 12W OF REMOTE CAPACITY
5. FIXTURE PACKAGED WITH 24" ARM. ARM SHOULD BE FIELD CUT IN FIELD TO 12" FROM FACE OF WALL TO OUTSIDE EDGE OF BEND.

- ## SHEET KEYED NOTES
1. EMERGENCY EGRESS/EXIT FIXTURES SHALL BE ON A NON-SWITCHED LEG OF CIRCUIT INDICATED.
 2. TIMECLOCK AND LIGHTING CONTACTOR MOUNTED IN STOCKROOM. SEE 'TIMECLOCK CONTROL DIAGRAM', THIS SHEET. COORDINATE WITH OWNER FOR CONTROL SCHEDULE(S) AND OTHER REQUIREMENTS.
 3. CONTRACTOR TO INSTALL A WALL MOUNTED "PIR" OCCUPANCY SENSOR (WATTSTOPPER #PW-100, OR APPROVED EQUAL) FOR LOCAL LIGHTING CONTROL.
 4. RESTROOM EXHAUST FANS ARE TO BE CONTROLLED BY OCCUPANCY SENSOR.
 5. NEMA-3R JUNCTION BOX FOR CONNECTION TO SIGNAGE. VERIFY EXACT LOCATION WITH SIGNAGE SUPPLIER, SHOP DRAWINGS AND ARCHITECTURAL DRAWINGS. SIGNAGE SHALL HAVE A BUILT-IN DISCONNECT SWITCH. IF NO SWITCH IS PROVIDED, CONTRACTOR SHALL INSTALL A WEATHER-RESISTANT TYPE SWITCH RATED FOR SIGN LOAD.
 6. EXHAUST HOOD LIGHTS SUPPLIED WITH HOOD AND MOUNTED IN PRE-WIRED J-BOX. COMPLETE CIRCUITING. SEE MECHANICAL HOOD SHOP DRAWINGS FOR MORE INFORMATION.
 7. HOOD SYSTEM CONTROLLER. VERIFY EXACT LOCATION WITH EQUIPMENT SUPPLIER. SEE MECHANICAL HOOD SHOP DRAWINGS FOR ADDITIONAL CIRCUITING REQUIREMENTS.
 8. WEATHER-PROOF PHOTOCCELL MOUNTED ON ROOF FACING NORTH FOR CONTROL OF EXTERIOR SIGNAGE. COORDINATE EXACT LOCATION IN FIELD. SEE 'TIMECLOCK CONTROL DIAGRAM', THIS SHEET, FOR MORE INFORMATION.
 9. PROVIDE A 1-AMP CURRENT LIMITER END FEED CONNECTION COMPATIBLE WITH TRUCK.



CASE

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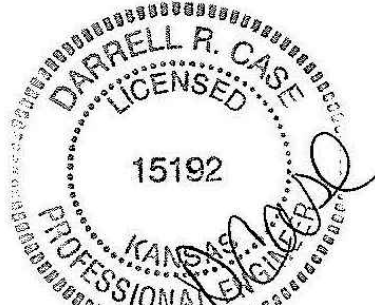
**JERSEY MIKES - REGENCY
PARK**

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#	Description	Date
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Client Approval

Electrical Lighting Plan

Project # 43419-KS02

Issue Date 11/4/2019

Scale As indicated

Drawn by TJE

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- GENERAL NOTES
1.

THE SCOPE OF THE ELECTRICAL WORK SHALL INCLUDE FURNISHING, INSTALLING AND TESTING ALL ELECTRICAL SYSTEMS FOR A COMPLETE AND FULLY OPERABLE INSTALLATION COMPLYING WITH THE LATEST VERSIONS OF ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2.

LOCATIONS OF EXISTING ELECTRICAL SYSTEM, EQUIPMENT AND DEVICES SHALL BE VERIFIED IN THE FIELD BY THE TENANT'S GENERAL CONTRACTOR(T.G.C.).
3.

VERIFY ELECTRICAL REQUIREMENTS FOR ALL SPECIAL EQUIPMENT PRIOR TO ANY WORK BEING PERFORMED. PROVIDE ISOLATED GROUND WIRE PER EQUIPMENT MANUFACTURER'S INSTALLATION REQUIREMENTS. PROVIDE CONDUIT FOR MECHANICAL CONTROLS AS REQUIRED BY CODE. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF A/C UNITS AND EXHAUST FANS WITH MECHANICAL CONTRACTOR.
4.

E.C. SHALL DETERMINE, ARRANGE AND PAY FOR PROPER SERVICE AND METERS.
5.

E.C. SHALL PROVIDE, AT EACH TELEPHONE JACK INDICATED, AN OUTLET BOX, CONDUIT AND TRIM. THE CONDUIT SHALL EXTEND ABOVE SUSPENDED CEILING. PROVIDE CONDUCTOR TELEPHONE WIRE AS REQUIRED TO EACH BOX.
6.

E.C. SHALL PROVIDE CORD & PLUGS AS REQUIRED FOR KITCHEN EQUIPMENT. COORDINATE WITH EQUIPMENT MANUFACTURER AND K.E.C.
7.

WHEN MAIN ELECTRICAL SERVICE IS PROVIDED BY THE LANDLORD, HIS OBLIGATIONS TERMINATE AT THE DISCONNECT. ALL PANELS, FEEDERS, ETC. REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT SHALL BE FURNISHED & INSTALLED BY THE E.C.
8.

STARTER & RELATED WIRING SHALL BE FURNISHED & INSTALLED BY E.C. OVERLOAD LIMITS SHALL BE INSTALLED PER GIVEN NAMEPLATE DATA ON EQUIPMENT. STARTERS SHALL BE INSTALLED AS PER REQUIREMENTS.
9.

E.C. TO PROVIDE ELECTRICAL OUTLET FIRE PROTECTION PAD FOR ALL RECEPTACLES IN RATED WALL AS MANUFACTURED BY PFP PARTNERS. APPLY TO BOXES AS INSTRUCTED BY MFR. TO PROVIDE RATING TO MEET RATING OF CORRESPONDING WALL.
10.

WHERE PORTIONS OF A CABLE RACEWAY OR SLEEVE ARE KNOWN TO BE SUBJECTED TO DIFFERENT TEMPERATURES AND WHERE CONDENSATION IS KNOWN TO AN ISSUE, AS IN COLD STORAGE AREAS OF BUILDINGS OR WHERE PASSING FROM THE INTERIOR TO THE EXTERIOR OF A BUILDING, THE RACEWAY OR SLEEVE SHALL BE FILLED WITH AN APPROVED MATERIAL TO PREVENT THE CIRCULATION OF WARM AIR TO COLDER SECTION OF THE RACEWAY OR SLEEVE PER NEC 300A (A)
11.

COORDINATE LOCATIONS AND ROUTING OF FEEDERS TO PANELBOARDS WITH LANDLORD AND PROVIDE ALL NECESSARY APPURTENANCES AS REQUIRED BY LANDLORD AND OWNER.
12.

WHERE THE WORD "PROVIDE" IS USED, THE WORD IS UNDERSTOOD TO MEAN "THE ELECTRICAL CONTRACTOR SHALL FURNISH, INSTALL AND MAKE FINAL CONNECTION TO THE EQUIPMENT", UNLESS OTHERWISE NOTED.
13.

VERIFY EXACT LOCATION, MOUNTING HEIGHT AND ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT PROVIDED BY OTHERS (INCLUDING HVAC EQUIPMENT) PRIOR TO ROUGH-IN AND PROVIDE ALL REQUIRED FUSIBLE SWITCHES, TRANSFORMERS, STARTERS NECESSARY FOR PROPER OPERATION OF EQUIPMENT.
14.

REFER TO LANDLORD'S DESIGN SPECIFICATION FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
15.

NEW & RELOCATED LIGHT SWITCHES, ELECTRICAL OUTLETS, THERMOSTATS AND OTHER ENVIRONMENTAL CONTROLS SHALL HAVE OPERABLE PARTS OF THE CONTROLS LOCATED NO HIGHER THAN 48" AND NO LOWER THAN 15" ABOVE THE FLOOR PER A.D.A. REQUIREMENTS. RESOLVE ANY CONFLICT IN MOUNTING HEIGHT WITH ARCHITECT/OWNER PRIOR TO ROUGH IN.
16.

REFER TO ALL DISCIPLINES, INCLUDING ARCHITECTURAL & KITCHEN, PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
17.

ALL RECEPTACLES IN PUBLIC SPACES SHALL BE LISTED TAMPER-RESISTANT.
18.

ALL CONDUITS ARE TO BE CONCEALED IN WALLS OR ABOVE CEILINGS. CONDUITS IN EXPOSED CEILING AREAS SHALL EXIT WALLS AS CLOSE TO ROOF/FLOOR STRUCTURAL DECK AS POSSIBLE.
19.

ALL LOW VOLTAGE WIRING IN CEILING PLENUM (INCLUDING TELEPHONE. DATA, ALARM AND TEMP. CONTROL WIRING) SHALL BE UL LISTED TEFLON PLENUM CABLE.
20.

UNLESS OTHERWISE NOTED, ALL ELECTRICAL WORK FOR FABRICATED FOOD SERVICE EQUIPMENT SHALL BE COMPLETELY WIRED BY KITCHEN EQUIPMENT DIVISION TO A JUNCTION BOX OR PULL BOX MOUNTED ON THE EQUIPMENT IN AN ACCESSIBLE LOCATION. FINAL CONNECTIONS TO EQUIPMENT JUNCTION BOX OR PULL BOX AND ALL ELECTRICAL WORK FROM PANEL BOARDS TO BE BY THE ELECTRICAL DIVISION.
21.

FINAL CONNECTIONS TO ALL EQUIPMENT TO BE BY ELECTRICAL DIVISION, INCLUDING MATERIALS.
22.

ELECTRICAL DIVISION TO FURNISH AND INSTALL THE FOLLOWING:
23.

ALL JUNCTION BOXES, ELECTRICAL OUTLETS, COVER PLATES, SWITCHES, ETC., NOT BUILT INTO FIXTURES OR EQUIPMENT. ALL OUTLETS, JUNCTION BOXES, COVER PLATES, ETC., IN DISHROOMS OR AS INDICATED ON SCHEDULES MUST BE VAPOR PROOF.
24.

ALL PLUGS AND CORDS AS NOTED ON SCHEDULE. ALL CORDS SHALL BE N.E.M.A.-RATED AND U.L.-APPROVED FOR MANUFACTURED AND/OR FABRICATED EQUIPMENT.
25.

SHUNT-TRIP CIRCUIT BREAKERS/CONTACTORS OR DISCONNECTS FOR FIRE CONTROL SYSTEM SHUT-OFF OF FOODSERVICE EQUIPMENT BELOW HOODS/VENTILATORS AS REQUIRED BY ADOPTED N.F.P.A. AND LOCAL CODES.
26.

DISCONNECTS OR OTHER DEVICES AS REQUIRED BY CODES.
27.

WHEN APPLICABLE, ELECTRICAL DIVISION TO PROVIDE CONDUIT AND WIRING, INSTALL ELECTRICAL COMPONENTS (PROVIDED BY K.E.C.) AND INTERWIRE BETWEEN THE FOLLOWING.
28.

REMOTE REFRIGERATION EQUIPMENT TO EVAPORATOR COILS.
29.

CONTROL PANELS TO WATER-TYPE, VENTILATORS AND EXHAUST SUPPLY FANS PER MANUFACTURER'S INSTRUCTIONS.
30.

KITCHEN EXHAUST HOOD/VENTILATORS TO FIRE CONTROL SYSTEM AND SHUT-OFFS.
31.

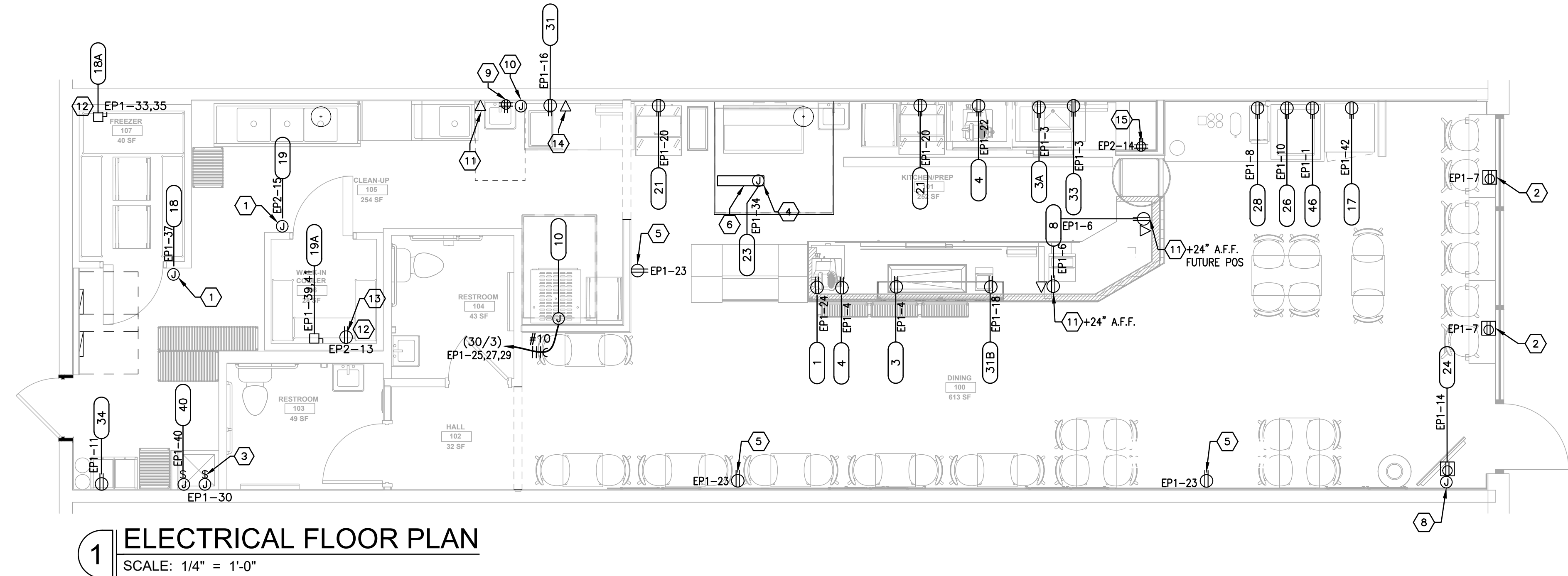
ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH ALL TRADES AND VERIFY THAT ALL EQUIPMENT SHIPPED TO THE SITE IS COMPATIBLE WITH MECHANICAL, ELECTICAL AND PLUMBING SYSTEMS PRIOR TO INSTALLATION OF SAID EQUIPMENT. IN THE EVENT OF ANY DISCREPANCIES, IMMEDIATELY CONTACT DESIGNER BEFORE PROCEEDING.
32.

ALL DEDICATED CIRCUIT OUTLETS SHALL BE ORANGE.
33.

SUSPENDED ELECTRICAL CONDUITS AND OUTLET BOXES ARE TO BE SUPPORTED FROM THE STRUCTURE USING METAL BRACES.
34.

THROUGH PENETRATIONS SHALL BE PROTECTED BY AN APPROVED THROUGH-PENETRATION FIRE-STOP SYSTEM INSTALLED AND TESTED IN ACCORDANCE WITH ASTM 814 OR UL1479 WITH A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH OF WATER (2.49Po). THE SYSTEM SHALL HAVE AN "F" RATING AND A "T" RATING OF NOT LESS THAN 1-HOUR, BUT NOT LESS THAN THE REQUIRED RATING AF THE WALL PENETRATED.

EQUIPMENT SCHEDULE								NOTES
KEY	ITEM NAME	MANUFACTURER	MODEL #	VOLTAGE	PH	AMPS	ROUGH-IN	DEVICE
1	JM DELI CASE	HOWARD-MCRAY	SC-CDS34N-6-JM	120	1	8.7	Ø24" AFF	Ⓢ
3	4'-0" DROP-IN COLD UNIT	DELIFIELD	8148-EFN	120	1	7.5	Ø18" AFF	Ⓢ
3A	2'-0" DROP-IN COLD UNIT	DELIFIELD	N8118-EF	120	1	7.5	Ø18" AFF	Ⓢ
4	DELI SLICER	BIZERBA	GSPH MANUAL W/ LIFT	120	1	3.5	Ø18" AFF	Ⓢ
8	CASH REGISTER	INFOSOFT	UP100	120	1	5	Ø24" AFF	Ⓢ
10	BREAD OVEN	NUVU	UB-E5/10 AUTOMIST	208	3	32	Ø48" AFF	Ⓢ
17	SINGLE-DOOR PEPSI COOLER	PEPSI	GDM-26	120	1	7.2	Ø18" AFF	Ⓢ
18	WALK-IN COOLER	NORLAKE	KLB-74___-C___-__	120	1	5	COORDINATE IN FIELD	Ⓢ
18A	WALK-IN COOLER CAPSULE PAK	NORLAKE	CPB075DC-A	208	1	9.3	COORDINATE IN FIELD	Ⓢ
19	STEP-IN FREEZER	NORLAKE	KLF-77___-C___-__	120	1	10	COORDINATE IN FIELD	Ⓢ
19A	STEP-IN FREEZER CAPSULE PAK	NORLAKE	CPF075DC-A	208/120	1	14.9	COORDINATE IN FIELD	Ⓢ
21A	REFRIGERATED COUNTER, SANDWICH TOP	DELIFIELD	4427N-12M MEGA TOP	120	1	7.2	Ø24" AFF	Ⓢ
23	EXHAUST HOOD AND FIRE SUPPRESSION SYSTEM	CAPTIVE AIRE	ANSUL	120	1	5	COORDINATE IN FIELD	Ⓢ
24	TV	VARIES	42" MONITOR	120	1	3	Ø6"-6" AFF OR CLG SEE PLANS	Ⓢ
26	DRINK DISPENSER	PEPSI	DISPENSER: IDC215 ADAPTOR: 80002957	120	1	9.3	Ø48" AFF	Ⓢ
28	ICED TEA BREWER	BUNN	TB3Q	120	1	14.4	Ø48" AFF	Ⓢ
31	COUNTER-TOP FOOD WARMER	APW WYOTT	W-3V	120	1	10	Ø48" AFF	Ⓢ
31B	COUNTER-TOP BACON WARMER	WELLS	HSW6	120	1	6.9	Ø18" AFF	Ⓢ
34	BAG-IN-BOX SYSTEM	PEPSI	PEPSI	120	1	5	Ø80" AFF	Ⓢ
40	WATER HEATER	PATRIOT		120	1	3	Ⓢ	Ⓢ
41	ICE MAKER	HOSHIZAKI	KM-515MAH	120	1	11.7	Ø48" AFF	Ⓢ
46	SINGLE-DOOR PEPSI COOLER	PEPSI	GDM-26	120	1	7.2	Ø18" AFF	Ⓢ

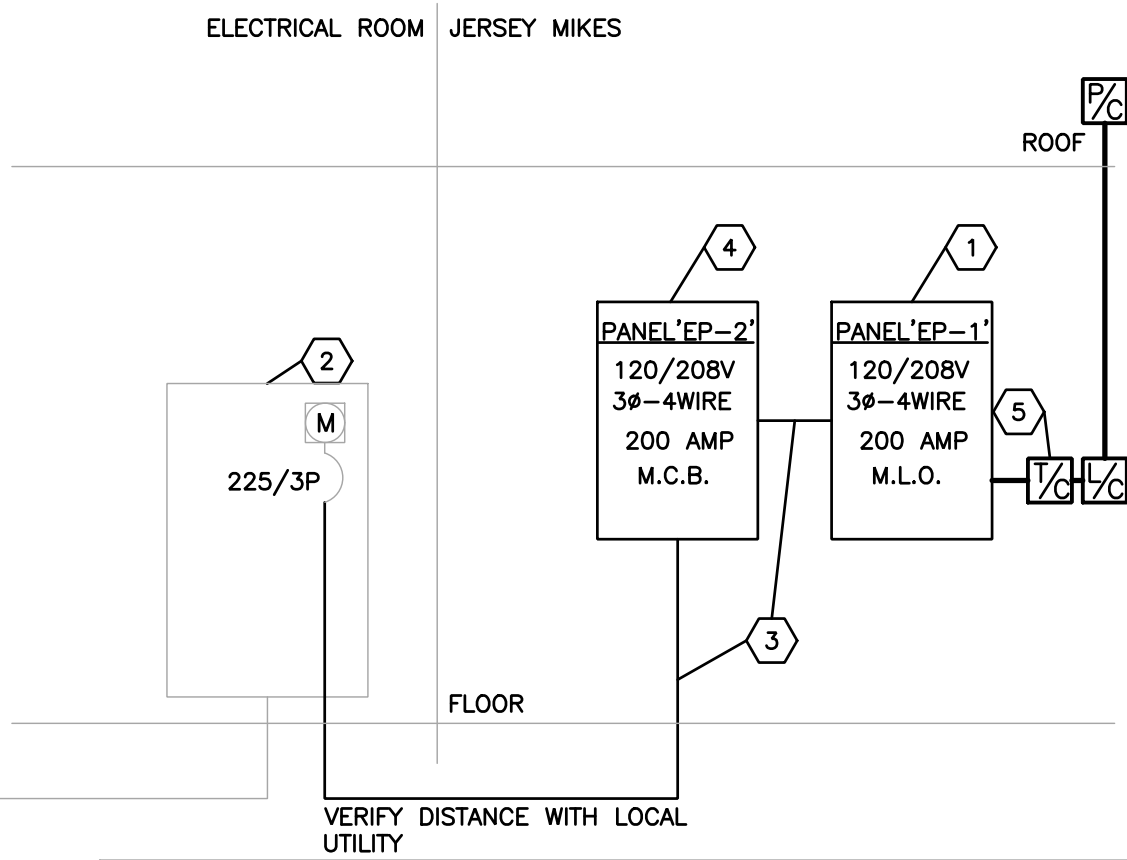


PANEL BOARD EP-2									
SURFACE MOUNTED A.I.C. SERIES RATED									
120/208VOLTS 3 PHASE 4 WIRE 200 AMP. BUS									
CIRCUIT BREAKER TYPE 200A MCB FED FROM SERVICE DISCONNECT									
CKT. NO.	TRIP AMP.	NO. POLE	LOAD SERVED	LOAD- V. A.			LOAD SERVED	NO. POLE	TRIP AMP.
				Aø	Bø	Cø			
1	45	3	RTU 1	3720			PANEL EP-1	3	200
3			31 MCA	12239	3720				2
5				14004	3720				4
7	45	3	RTU-2	3720			SPARE	1	20
9			31 MCA	0	3720		SPARE	1	20
11				0	3720		SPARE	1	20
13	20	1	HEAT TRACE	500	360		STORAGE NOOK REC	1	20
15	20	1	FREEZER DOOR LIGHTING(19)	1200	960		MAU-1	1	20
17	20	1	SPARE	0	0		SPARE	1	20
19	20	1	SPARE	0	0		SPARE	1	20
21	20	1	SPARE	0	0		SPARE	1	20
23	20	1	SPARE	0	0		SPARE	1	20
25	20	1	SPARE	0	0		SPARE	1	20
27	20	1	SPARE	0	0		SPARE	1	20
29	20	1	SPARE	0	0		SPARE	1	20
TOTAL VA PER PHASE				20539	23604	20045			
TOTAL VA				64188					

LOAD DESCRIPTION	DEMAND FACTOR	VOLT - AMPS	
		CONNECTED	DEMAND
277/480V LIGHTING	D.F. 1.25	3682	4353
RECEPTACLES	N.E.C. 10K+50% REMAINING	3660	3660
MOTORS	N.E.C. 25%	0	0
KITCHEN EQUIPMENT	N.E.C. 100%	32019	20512
WATER HEATER	1.25	500	625
HVAC EQUIPMENT	1.00	24527	24527
TOTAL =		64188	53977
PANELBOARD LOAD =		V.A.53977	
FULL LOAD AMPS =		A. 150	

PANEL BOARD EP-1									
SURFACE MOUNTED 42K A.I.C. SERIES RATED									
120/208VOLTS 3 PHASE 4 WIRE 200 AMP. BUS									
CIRCUIT BREAKER TYPE 200A MCB FED FROM EP-2									
CKT. NO.	TRIP AMP.	NO. POLE	LOAD SERVED	LOAD- V. A.			LOAD SERVED	NO. POLE	TRIP AMP.
				Aø	Bø	Cø			
1	20	1	PEPSI COOLER (47)	864	500		TELEPHONE BOARD	1	20
3	20	1	DROP IN (3A)	863	924		DROP IN(3) & SLICER (4)	1	15
5	20	1	TIMECLOCK CONTACTOR	180	1728		POS (8)	1	20
7	20	1	SHOW WINDOW REC	468	1116		TEA BREWER (28)	1	20
9	20	1	UC FRIDGE (33)	0	1404		DRINK DISPENSER (26)	1	20
11	20	1	BAG IN BOX (34)	1492	1080		ICE MACHINE (41)	1	20
13	20	1	SPECIALTY LIGHTS	1200	1500		TV (24)	1	20
15	20	1	SIGN	790	1500		COUNTERTOP WARMER (31A)	1	20
17	20	1	GENERAL LIGHTS EF-3&4	540	1044		BACON WARMER (31B)	1	20
19	20	1	HVAC REC/DUCT DETECTOR	360	1176		SANDWICH TOP (21)	1	20
21	20	1	LIGHTS	500	420		SLICER (4)	1	20
23	20	1	CONVENIENCE REC	2219	1176		MEATCASE (1)	1	20
25	30	3	BREAD OVEN	2219	1176		SANDWICH TOP (21)	1	20
27				2219	125		EF-1	1	20
29				0	864		RE-CIRC PUMP	1	20
31			SHUNT TRIP	864	968		EF-2	1	20
33	20	2	COOLER PAK (18A)	600	0		HOOD LIGHTS CONTROL(23)	1	20
35				600	968		HOOD LIGHTS	1	20
37	20	1	COOLER LTG. DOOR (18)	1550	500		SHUNT TRIP	1	20
39	20	2	FREEZER PAK (19A)	1550	500		WATER HEATER (40)	1	20
41				1550	665		PEPSI COOLER	1	20
TOTAL VA PER PHASE				12239	14004	12605			
TOTAL VA				38848					

ALL INFORMATION REGARDING CURRENT CONDITIONS OF THE ELECTRICAL SERVICE ARE VIA SECOND PARTY FIELD SURVEY. EC IS RESPONSIBLE FOR FIELD VERIFICATION OF SITE CONDITIONS AND REPORTING ANY DIFFERENCES OR DISCREPANCIES TO OWNERS REPRESENTATIVE PRIOR TO BID. NO EXTRAS OR CHANGE ORDERS SHALL BE GIVEN FOR CONTRACTOR'S FAILURE TO VERIFY SITE CONDITIONS PRIOR TO BIDDING.



RISER DIAGRAM KEYED NOTES

- EC TO PROVIDE 200 AMP, 120/208 VOLT, 3 PHASE, 4 WIRE MLO PANEL 'EP-1'. SEE PANEL SCHEDULES.
- EXISTING 1200 AMP, 120/208 VOLT, 3 PHASE, 4 WIRE, MULTI METER RACK. EXISTING METER AND 225A/3P CIRCUIT BREAKER TO REMAIN.
- EC TO PROVIDE (4) #3/0-CU FEEDERS AND (1) #6 GND IN 2" CONDUIT.
- EC TO PROVIDE 200 AMP, 120/208 VOLT, 3 PHASE, 4 WIRE MCB PANEL 'EP-2'. SEE PANEL SCHEDULES.
- NEW LIGHTING CONTROLS BY EC. SEE DETAIL 2/E2.0

2 ELECTRICAL RISER DIAGRAM

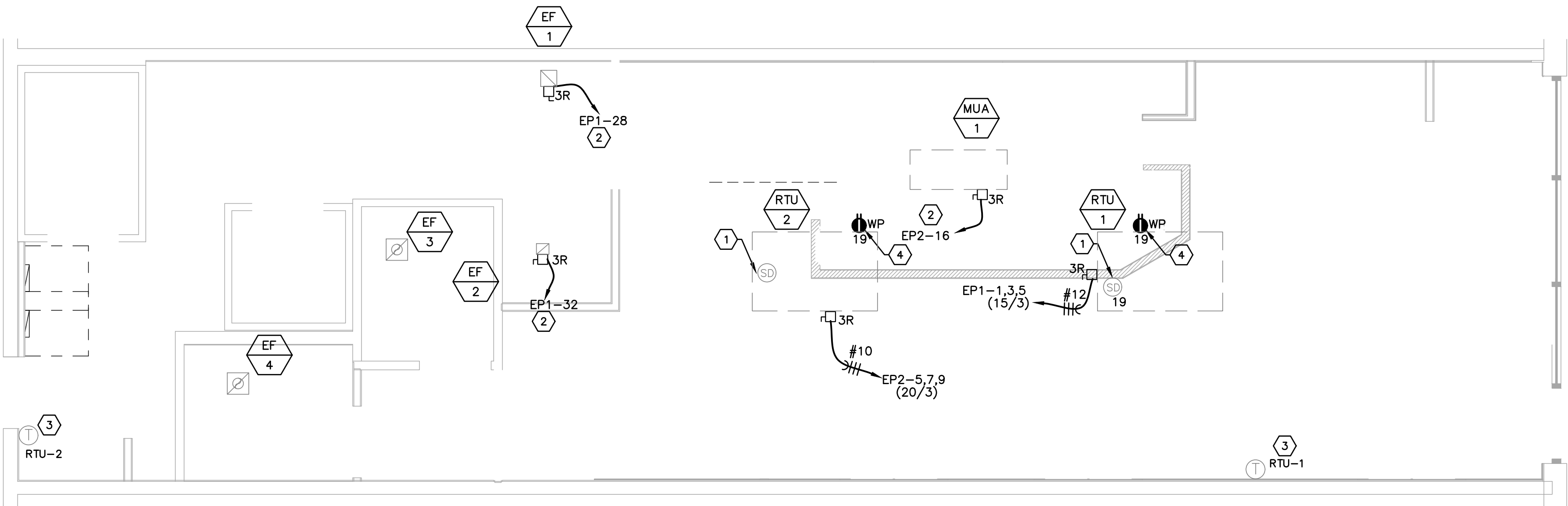
SCALE: NONE

RISER DIAGRAM & PANEL SCHEDULE GENERAL NOTES:

- TGC SHALL VERIFY LENGTH OF FEEDERS PRIOR TO (AND INCLUDE PRICING IN) BID.
- VERIFY FAULT CURRENT RATING (AIC) WITH POWER COMPANY.
- PROVIDE PHENOLIC ENGRAVED NAMEPLATES PERMANENTLY ATTACHED TO ALL ELECTRICAL EQUIPMENT STATING AMPERAGE, VOLTAGE, PHASE, HIGH-LEG-DELTA, ETC.
- PER NEC 210.8(B): ALL RECEPTACLES INSTALLED IN KITCHENS SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL.
- CONTRACTOR TO BALANCE PANELBOARD PHASE LOADS TO WITHIN 10%.

MECHANICAL EQUIPMENT KEYED NOTES

- IF NOT EXISTING, EC TO PROVIDE DUCT MOUNTED SMOKE DETECTORS IN RETURN AIR DUCT AND MAKE ALL ELECTRICAL CONNECTIONS.
- COORDINATE ALL WIRING REQUIREMENTS AND UNIT INTERLOCKS WITH MECHANICAL HOOD DRAWINGS.
- PROVIDE JUNCTION BOX AND CONDUIT WITH PULL STRING TO ABOVE CEILING FOR THERMOSTAT. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- EC TO PROVIDE WEATHERPROOF, GFI RECEPTACLE AT HVAC EQUIPMENT, IF NOT EXISTING.



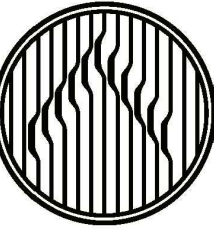
1 MECHANICAL EQUIPMENT POWER PLAN

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

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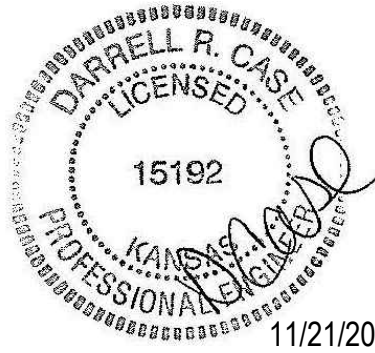


JERSEY MIKES - REGENCY
PARK

9220 Metcalf Ave
Overland Park, KS 66212

Description Date

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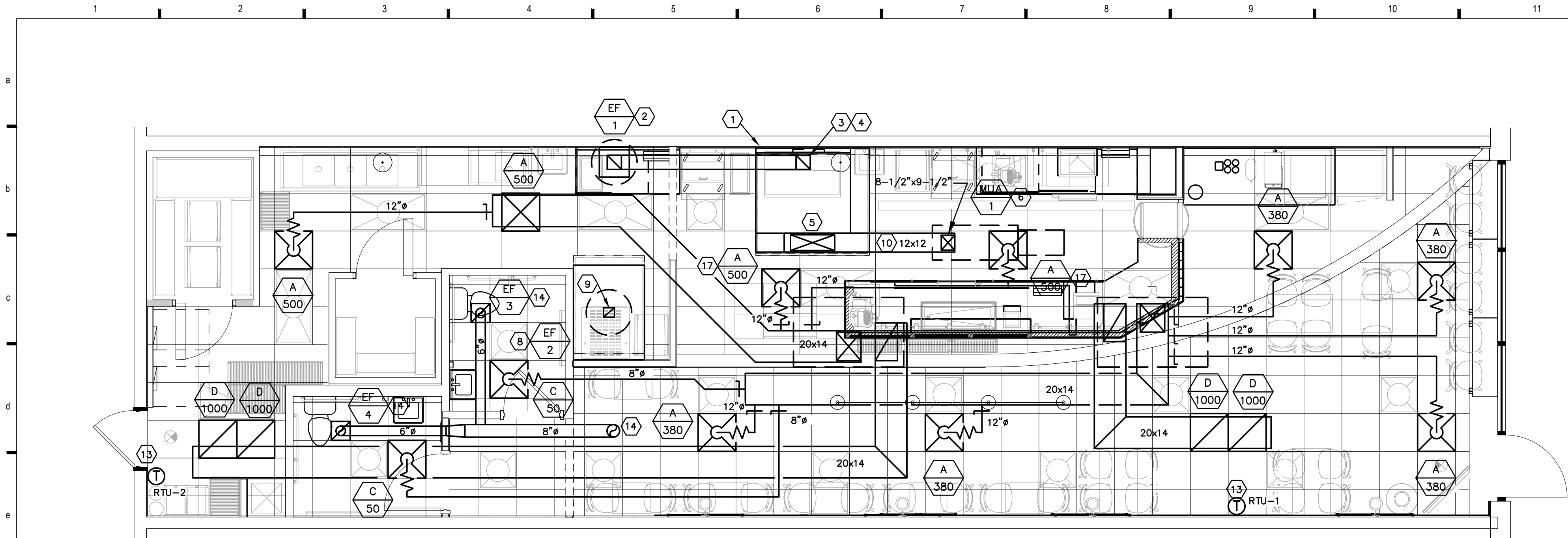
PERMIT SET

Client Approval

Electrical Schedules

Project # 43419-KS02
Issue Date 11/4/2019
Scale As indicated
Drawn by TJE
Checked by

E4.0



MECHANICAL PLAN

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

AIR DEVICE SCHEDULE						
PLAN MARK	QTY.	*TITUS MODEL NO.	FACE SIZE	NECK SIZE	FLEX SIZE	TYPE
A	5	PSS	24"x24"	8" RD.	8" RD.	DIFF.
B	—	—	—	—	—	—
C	2	PSS	24"x24"	6" RD.	6" RD.	DIFF.
D	3	PAR	24"x24"	22"x22"	18" RD.	R.G.
E	—	35ORL	26"x16"	24"x14"	—	R.G.
F	—	TMR-AA	24" RD.	12" RD.	12" RD.	DIFF.
G	6	S301FS	10"x10"	—	—	DIFF.
NOTES: 1. REFER TO PLAN FOR THROW PATTERN ORIENTATION 2. PROVIDE MANUAL VOLUME DAMPER 3. FRAME SHALL FIT LAY-IN CEILING MODULE 4. FRAME SHALL FIT GYPSUM BOARD CEILING 5. PERFORATED DIFFUSER/GRILLE 6. DUCT MOUNTED 7. DUCT MOUNTED GRILLES SHALL BE BLACK. VERIFY COLOR WITH ARCHITECT PRIOR TO ORDERING						
* OR APPROVED EQUAL						

EXHAUST FAN SCHEDULE									
MARK	MANUFACTURER	MODEL NO.	HP	SP	CFM	SONE	WEIGHTS	VOLTS/PH	REMARKS
EF-1	CAPTIVEAIRE	DU50HFA	.5	1.0	1000	15.3	84	115/1	1,2,4
EF-2	CAPTIVEAIRE	DU12HFA	.18	0.5	375	7.9	54	115/1	1,2,3,4
EF-3	GREENHECK	SP-B110	80(W)	0.25	80	2.4	10	115/1	1,5
EF-4	GREENHECK	SP-B110	80(W)	0.25	80	2.4	10	115/1	1,5
1. VERIFY ELECTRICAL VOLTAGE AND PHASE WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING UNIT. 2. PROVIDE ROOF CURBS AND DISCONNECT WITH FAN. FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. 3. INTERLOCK OPERATION SUPPLY FANS AND EXHAUST FANS. EF-1, EF-2 WITH MAU-1, RTU-1 AND RTU-2. 4. ELECTRICAL INTERLOCK WITH OVEN CONTROLS. 5. FAN TO BE CONTROLLED BY SWITCH									

ROOFTOP UNIT SCHEDULE													
MARK	MFR	MODEL NO.	CFM	O.A. CFM	ESP	HP	CLG MBH	HEATING MBH	ELECTRICAL		WEIGHT	REMARKS	
RTU-1	TRANE	YSC060	2000	500	0.5	1.5	57.0	45.6	150	120	31	45	208/3
RTU-2	TRANE	YSC060	2000	500	0.5	1.5	57.0	45.6	150	120	31	45	208/3
MAU-1	CAPTIVEAIRE	D76	750	—	.4	1.0	—	—	—	—	115/1	327	1,2,3
1. INTERLOCK OPERATION SUPPLY FANS AND EXHAUST FANS. SEE EXHAUST FAN SCHEDULE FOR ADDITIONAL INFO. 2. VERIFY ELECTRICAL VOLTAGE WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT. 3. FURNISH AND INSTALL ROOFTOP UNIT. PROVIDE WITH 100% O.A. ECONOMIZER, DISCONNECT SWITCH AND MANUFACTURER RECOMMENDED ROOF CURB. VERIFY LOCATION IN FIELD WITH LANDLORD REPRESENTATIVE.													

DESCRIPTION	AREA (SQ. FT.)	AREA OUTDOOR AIR RATE PER IBC TABLE 403.3 (RA)	AREA OUTDOOR AIR (RAz)	OCCUPANT LOAD RATE PER IBC TABLE 403.3 (PEOPLE/1000 SQ. FT.)	OCCUPANCY CxP /1000 (Pz)	OCCUPANT OUTDOOR AIR RATE PER IBC TABLE 403.3 (Rp)	OCCUPANT OUTDOOR AIR (RpPz)	BREATHING ZONE OUTDOOR AIR (Vbz=RpPz+RAz)	ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez)	ZONE OUTDOOR AIR (Voz=Ez)	SUPPLY AIR DESIGN (Vpz)	OUTDOOR AIR FRACTION (Zp=Voz/Vpz)
RTU-1												
DINING	644	0.18	115.9	70	32	7.5	240	356	0.8	445	1900	0.23
M.W.TLT	97	—	—	—	—	—	—	—	0.8	—	100	—
RTU-2												
KITCHEN/PREP	572	0.18	103	—	4	7.5	30	133	0.8	166	2000	0.08
TOTALS	1269				39					575.75	4000	0.3
TOTAL REQUIRED OUTDOOR AIR												Ev
611												1

HVAC SYMBOLS LEGEND			
CHS	SUPPLY AIR DIFFUSER	—G—	RETURN AIR GRILLE
CHR	CHILLED WATER SUPPLY	—D—	GAS LINE
HS	CHILLED WATER RETURN	—TE—	CONDENSATE DRAIN LINE
HR	HOT WATER SUPPLY	[M]	TOILET EXHAUST
R.D.	HOT WATER RETURN	[S]	MOTORIZED DAMPER
R.S.	REF. DISCHARGE LINE	⊙	SMOKE DETECTION DEVICE
O.A.	REF. SUCTION LINE	⊙	THERMOSTAT
R.A.	OUTDOOR AIR	⊙	SMOKE DETECTOR
S.A.	RETURN AIR	F.C.	FLEXIBLE CONNECTION
R.A.G.	SUPPLY AIR	S.E.	SMOKE EXHAUST
DIFF.	RETURN AIR GRILLE	⊙	AIR DEVICE TYPE
M.D.	DIFFUSER	⊙	AIR VOLUME IN CUBIC FEET/MINUTE (CFM)
F.D.	MANUAL DAMPER		
	FIRE DAMPER		

HVAC + SPRINKLER KEYED NOTES

- NEW 54"x30" TYPE I GRIDDLE HOOD WITH A 3" INTERNAL STANDOFF AND A LAYER OF INSULATION BEHIND THE HOOD FOR TO COMPLY WITH 0" CLEARANCE TO COMBUSTIBLES. PROVIDE COMPLETE FIRE SUPPRESSION SYSTEM FOR EQUIPMENT UNDER HOOD. REFER TO HOOD DRAWINGS FOR INFORMATION.
- NEW EXHAUST FAN (EF-1) FOR TYPE I GRIDDLE HOOD. REFER TO HOOD DRAWINGS FOR INFORMATION. LOCATE ON ROOF IN FRONT OF TENANT'S SPACE. MAINTAIN MINIMUM 10'-0" HORIZONTAL DISTANCE BETWEEN EXHAUST FAN AND OUTSIDE AIR INTAKES.
- NEW 9"x9" WELDED 16 GAUGE BLACK STEEL GREASE DUCT WITH LIQUID TIGHT EXTERNAL WELD FROM TYPE I GRIDDLE HOOD. ROUTE DUCTWORK THRU AREA ABOVE ROOF OVERHANG AND UP THRU ROOF TO EF-1. PROVIDE CLEAN-OUTS IN HORIZONTAL DUCTWORK AND EACH CHANGE OF DIRECTION AND MAX. 20 FT ON CENTER AS REQUIRED BY CODE.
- PROVIDE GREASE DUCT WRAP WITH TWO (2) LAYERS OF 3M FIRE BARRIER DUCT WRAP 15A, 1-1/2" THICK WITH 4" PERIMETER AND LONGITUDINAL OVERLAPS WHERE REQUIRED BY CODE. PROVIDE TWO HOUR FIRE RESISTIVE RATING AND ZERO CLEARANCE TO COMBUSTIBLES AT OVERLAP OR COLLAR. 3M FIRE BARRIER DUCT WRAP IS LISTED BY INTERTEK 3MU/FRD 120-13 (FORMERLY OPL GD556F) AND ASTM E 2336. INSTALL PER MANUFACTURER'S INSTRUCTIONS. REFER TO GREASE EXHAUST DUCT DETAIL ON DWG. M2.1 FOR ADDITIONAL INFORMATION.
- NEW 54"x9" PERFORATED SUPPLY PLENUM AT TYPE I GRIDDLE HOOD. PROVIDE TRANSITION FROM 28"x6" CONNECTION TO 12"x12" SUPPLY DUCTWORK. ROUTE DUCTWORK UP THRU ROOF TO MAKE-UP AIR UNIT (MAU-1). BALANCE TO 600 CFM. REFER TO HOOD DRAWINGS FOR INFORMATION.
- NEW MAKEUP AIR FAN (MAU-1) ON ROOF FOR PERFORATED SUPPLY PLENUM AT TYPE I GRIDDLE HOOD. REFER TO HOOD DRAWINGS FOR INFORMATION. LOCATE ON ROOF IN FRONT OF TENANT'S SPACE.
- NEW 45"x54" TYPE II BREAD OVEN HOOD. REFER TO HOOD DRAWINGS FOR INFORMATION.
- NEW EXHAUST FAN (EF-2) FOR TYPE II BREAD OVEN HOOD. REFER TO HOOD DRAWINGS FOR INFORMATION. LOCATE ON ROOF IN FRONT OF TENANT'S SPACE. MAINTAIN MINIMUM 10'-0" HORIZONTAL DISTANCE BETWEEN EXHAUST FAN AND OUTSIDE AIR INTAKES.
- 7"x6" EXHAUST DUCT FROM TYPE II BREAD OVEN HOOD. ROUTE DUCTWORK UP THRU ROOF TO EF-2. TRANSITION DUCT AT FAN.
- NEW 2" EXTERNALLY INSULATED SUPPLY AND MAKE-UP AIR DUCT SUPPLIED AND INSTALLED BY HVAC CONTRACTOR (TYPICAL). SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS. HOLD DUCTWORK HIGH AS POSSIBLE/PRACTICAL BELOW JOIST SPACE.
- 5'-0" FLEXIBLE DUCT (TYPICAL) MAXIMUM. PROVIDE SMOOTH TRANSITION AND PROPER SUPPORTS PER SMACNA. USE FLEXIBLE DUCT FOR FINAL RUNOUT TO DIFFUSER ONLY. REFER TO SCHEDULE FOR FLEXIBLE DUCT SIZES.
- MANUAL VOLUME DAMPER. (TYPICAL)
- FURNISH AND INSTALL SEVEN-DAY PROGRAMMABLE THERMOSTATS WITH AUTO CHANGEOVER AND RELATED WIRING TO CONTROL ROOF TOP UNITS. THERMOSTATS TO BE HONEYWELL MODEL TB7220. MOUNT AT 45" AFF. VERIFY LOCATION OF THERMOSTATS WITH ELEVATION ON ARCHITECTURAL DRAWINGS. VERIFY PROPER OPERATION IN FIELD.
- NEW CEILING MOUNTED TOILET EXHAUST FANS (EF-3,4). FAN SHALL BE WIRED AND OPERATED THROUGH THE LIGHT SWITCH. COORDINATE WITH ELECTRICAL CONTRACTOR. PROVIDE 8" EXHAUST DUCT WITH BACKDRAFT DAMPER AND CONNECT TO 8" EXHAUST DUCT. ROUTE DUCTWORK THRU AREA ABOVE ROOF OVERHANG AND ROUTE THRU ROOF WITH RAIN CAP AS SHOWN. DISCHARGE SHALL BE AT LEAST 10'-0" AWAY FROM ANY OUTSIDE AIR INTAKES. FIELD VERIFY LOCATION. REFER TO EXHAUST FAN SCHEDULE ON THIS SHEET AND TOILET EXHAUST FAN DETAIL 6/M2.1 FOR INFORMATION.
- DOOR TO BE UNDERCUT FOR MAKE-UP AIR.
- FURNISH AND INSTALL 5 TON ROOFTOP UNITS. RTU-1,2. VERIFY LOCATION WITH LANDLORD PRIOR TO ANY WORK.
- SUPPLY AIR DIFFUSER CFM RATES SHALL BE ADJUSTED AS REQUIRED FOR PROPER AIR FLOW AROUND THE HOOD.
- PROVIDE NEW SMOKE DETECTOR IN RETURN DUCT TO MEET CODE REQUIREMENTS.

GENERAL NOTE

ALL ROOF WORK NEEDS TO BE COORDINATED WITH THE SHELL ROOFING SUBCONTRACTOR AND/OR ROOFING MANUFACTURER TO ENSURE NO WARRANTIES ARE VOIDED.

PERMIT SET

Client Approval

Mechanical Plan

Project # 43419-KS02
Issue Date 11/4/2019
Scale As indicated
Drawn by NGB
Checked by

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CERTIFICATE OF AUTHORITY NO. E-29551

M1.1

DIVISION - 15 MECHANICAL SPECIFICATIONS

GENERAL

- A. THE GENERAL CONDITIONS OF THE GENERAL SPECIFICATIONS, ALONG WITH ALL APPLICABLE INSTRUCTIONS TO BIDDERS SHALL FORM A PART OF THIS SECTION OF THE SPECIFICATIONS.
- B. REFERENCE IS MADE TO REQUISITES FOR BIDDERS AND CONTRACTORS UNDER OTHER SECTIONS OF THESE SPECIFICATIONS, WHICH SHALL BE CONSIDERED BINDING, UNLESS OTHERWISE NOTED UNDER THIS SECTION.

SCOPE

EACH CONTRACTOR SHALL THOROUGHLY ACQUAINT HIMSELF WITH THE CONSTRUCTION DETAILS, BOTH AS ON TENANT CONSTRUCTION DRAWINGS AND LANDLORD'S AS REFERRED TO, BEFORE SUBMITTING HIS BID AS NO ALLOWANCES WILL BE MADE BECAUSE OF THE CONTRACTOR'S UNFAMILIARITY WITH THESE DETAILS. ALL PERFORMANCE OF CONSTRUCTION SHALL BE AS REQUIRED BY THE PACE OF THE GENERAL CONSTRUCTION.

INSPECTION OF SITE

ALL PROPOSALS SHALL PRECLUDE THAT CONTRACTOR IS FAMILIAR WITH JOB SITE CONDITIONS AND UTILITY LOCATIONS AND THE LACK OF SPECIFIC INFORMATION ON THE DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR OF ANY RESPONSIBILITY.

PERMITS

ALL PERMITS AND LICENSES NECESSARY FOR THE PROPER EXECUTION OF THE WORK SHALL BE SECURED AND PAID FOR BY THE SUBCONTRACTOR INVOLVED.

CODE REQUIREMENTS

ALL WORK UNDER THIS CONTRACT SHALL COMPLY WITH THE PROVISIONS OF THE SPECIFICATIONS, DRAWINGS OR AS DIRECTED BY THE OWNER, AND SHALL SATISFY ALL APPLICABLE CODES, ORDINANCES, OR REGULATIONS OF THE GOVERNING BODIES, WHETHER SO SHOWN OR NOT, AND ALL MODIFICATIONS REQUIRED BY SUCH AUTHORITIES SHALL BE MADE BY THE CONTRACTOR WITHOUT ANY ADDITIONAL COST TO THE OWNER.

MATERIALS AND WORKMANSHIP

- A. ALL MANUFACTURED ARTICLES, MATERIALS, AND EQUIPMENT SHALL BE APPLIED AS RECOMMENDED BY THE MANUFACTURERS, AND UNLESS OTHERWISE SPECIFIED SHALL BE NEW, AND FREE FROM ANY DEFECTS. ALL LIKE MATERIALS USED SHALL BE OF THE SAME MANUFACTURE AND QUALITY UNLESS OTHERWISE SPECIFIED.
- B. ALL WORK UNDER THIS CONTRACT SHALL BE PERFORMED BY COMPETENT WORKMEN AND EXECUTED IN A NEAT AND WORKMANLIKE MANNER. WORK SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION, AND ON COMPLETION, THE INSTALLATION SHALL BE THOROUGHLY CLEANED AND ALL DEBRIS PRESENT AS A RESULT OF THIS CONTRACT SHALL BE REMOVED FROM THE PREMISES, DO NOT JUST ABANDON.

CODES AND REGULATIONS

EACH SUBCONTRACTOR SHALL COMPLY WITH ALL LAWS, ORDINANCES, RULES AND REGULATIONS BEARING ON THE CONDUCT OF THE WORK AS DRAWN OR SPECIFIED. IF A SUBCONTRACTOR OBSERVES THAT THE DRAWINGS AND SPECIFICATIONS ARE AT A VARIANCE, HE SHALL PROMPTLY NOTIFY THE GENERAL CONTRACTOR AND THE TENANT IN WRITING. IF ANY SUBCONTRACTOR PERFORMS ANY WORK KNOWING IT TO BE CONTRARY TO LAWS, ORDINANCES, RULES AND REGULATIONS AND WITHOUT GIVING SUCH NOTICE, THE SUBCONTRACTOR SHALL BEAR ALL COSTS ARISING THEREFROM.

PROTECTION OF WORK AND PROPERTY

- A. EACH SUBCONTRACTOR SHALL CONTINUOUSLY MAINTAIN ADEQUATE PROTECTION OF ALL HIS WORK FROM DAMAGE AND SHALL PROTECT THE OWNER'S PROPERTY FROM INJURY OR LOSS ARISING FROM HIS WORK. HE SHALL MAKE GOOD ANY SUCH DAMAGE, INJURY, OR LOSS, EXCEPT SUCH AS MAY BE DIRECTLY DUE TO CAUSES BEYOND HIS CONTROL AND NOT TO HIS FAULT OR NEGLIGENCE. HE SHALL ADEQUATELY PROTECT ADJACENT PROPERTY AS WELL.
- B. EACH SUBCONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF THEIR EMPLOYEES ON THE WORK AND SHALL COMPLY WITH ALL PROVISIONS OF FEDERAL, STATE AND LOCAL BUILDING CODES AND SAFETY LAWS TO PREVENT ACCIDENTS OR INJURY TO PERSONS ON OR ADJACENT TO THE PREMISES WHERE THE WORK IS BEING PERFORMED. EACH SUBCONTRACTOR SHALL MAINTAIN ALL INSURANCE REQUIRED TO PROTECT HIMSELF, OWNER AND TENANT FOR THE DURATION OF THE WORK AGAINST PROPERTY DAMAGE AND PUBLIC LIABILITY.

CHANGES IN THE WORK

THE TENANT, WITHOUT INVALIDATING THE CONTRACT, MAY ORDER EXTRA WORK OR MAKE CHANGES BY ALTERING, ADDING TO OR DEDUCTING FROM THE WORK, THE CONTRACT SUM BEING ADJUSTED ACCORDINGLY.

COOPERATION

ALL WORK UNDER THESE SPECIFICATIONS SHALL BE ACCOMPLISHED IN CONJUNCTION WITH OTHER CONTRACTORS AND TRADES OF THIS PROJECT IN A MANNER WHICH WILL ALLOW EACH CONTRACTOR AND TRADE ADEQUATE TIME AT THE PROPER STAGE OF CONSTRUCTION TO FULFILL HIS CONTRACTS. REFERENCE SHALL BE MADE TO THE OWNER FOR INSTRUCTIONS SHOULD ANY QUESTIONS ARISE BETWEEN TRADES AS TO THE PLACING OF LINES, DUCTS, CONDUITS, FIXTURES, OR EQUIPMENT, OR SHOULD IT APPEAR DESIRABLE TO REMOVE ANY GENERAL CONSTRUCTION WHICH WOULD AFFECT THE APPEARANCE OR STRENGTH OF THE STRUCTURE.

SUBSTITUTION OF MATERIALS

MANUFACTURER'S NAMES ARE LISTED HEREIN TO ESTABLISH A STANDARD. THE PRODUCTS OF OTHER MANUFACTURERS WILL BE ACCEPTABLE, IF IN THE OPINION OF THE TENANT, THE SUBSTITUTE MATERIAL IS OF A QUALITY AS GOOD OR BETTER THAN THE MATERIAL SPECIFIED, AND WILL SERVE WITH EQUAL EFFICIENCY AND DEPENDABILITY, THE PURPOSE FOR WHICH THE ITEMS SPECIFIED WERE INTENDED.

SHOP DRAWINGS

SHOP DRAWINGS AND CATALOG DATA ON ALL MAJOR ITEMS OF EQUIPMENT AND SYSTEMS, AND SUCH OTHER ILLUSTRATIVE MATERIAL AS MAY BE CONSIDERED NECESSARY BY THE TENANT, SHALL BE SUBMITTED BY THIS CONTRACTOR IN ADEQUATE TIME TO PREVENT DELAY AND CHANGES DURING CONSTRUCTION.

DRAWINGS AND SPECIFICATIONS

- A. THE DRAWINGS SHOW DIAGRAMMATICALLY THE LOCATIONS OF THE VARIOUS LINES, DUCTS, CONDUITS, FIXTURES, AND EQUIPMENT AND THE METHOD OF CONNECTING AND CONTROLLING THEM. IT IS NOT INTENDED TO SHOW EVERY CONNECTION IN DETAIL AND ALL FITTINGS REQUIRED FOR A COMPLETE SYSTEM.
- B. SHOULD ANY CHANGES BE DEEMED NECESSARY BY THE CONTRACTOR IN ITEMS SHOWN ON CONTRACT DRAWINGS, THE SHOP DRAWINGS, DESCRIPTIONS, AND THE REASON FOR THE PROPOSED CHANGES SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL.

RESPONSIBILITY

- A. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE SATISFACTORY AND COMPLETE EXECUTION OF ALL WORK INCLUDED IN HIS CONTRACT. HE SHALL PRODUCE COMPLETE FINISHED OPERATING SYSTEMS AND PROVIDE ALL INCIDENTAL ITEMS REQUIRED AS PART OF HIS WORK, REGARDLESS OF WHETHER SUCH ITEM IS PARTICULARLY SPECIFIED OR INDICATED.

- B. CONTRACTOR SHALL SUPPLY TO LANDLORD AND TENANT A CERTIFIED BALANCE REPORT AT COMPLETION OF PROJECT. THIS IS REQUIRED FOR BOTH REMODELED AND NEW STORES.

HEATING, VENTILATING AND AIR CONDITIONING

GENERAL

- A. THE WORK COVERED BY THIS SECTION OF THESE SPECIFICATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE RESPECTIVE DRAWINGS, INFORMATION, OR INSTRUCTIONS TO BIDDERS, AND THE GENERAL CONDITIONS, ADDENDA, OR DIRECTIVES WHICH MAY BE ISSUED BY THE OWNER, HERewith, OR OTHERWISE, SHALL BE COMPLIED WITH IN EVERY RESPECT.
- B. THE LISTING HEREIN OF AN ARTICLE OR MATERIAL, OPERATION OR METHOD, REQUIRES THAT THE CONTRACTOR SHALL FURNISH AND INSTALL EACH ITEM LISTED, UNLESS SPECIFICALLY NOTED TO THE CONTRARY. THE CONTRACTOR SHALL PERFORM EACH OPERATION PRESCRIBED OR LISTED ACCORDING TO THE CONDITIONS STATED.

EXAMINATION OF SITE

ALL CONTRACTORS SUBMITTING PROPOSALS FOR THIS WORK SHALL FIRST EXAMINE THE SITE AND ALL CONDITIONS THEREON AND/OR THEREIN. ALL PROPOSALS SHALL TAKE INTO CONSIDERATION ALL SUCH CONDITIONS AS MAY AFFECT THE WORK UNDER THIS CONTRACT.

SCOPE

FURNISH ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY FOR A COMPLETE FULLY OPERATIVE HEATING, VENTILATING, AND AIR CONDITIONING SYSTEM EXCEPT AS SPECIFICALLY EXCLUDED BY THE DRAWINGS, AND/OR TENANT'S DIRECTIONS.

EQUIPMENT

- A. 1. ROOFTOP UNITS: FURNISH HEATING AND AIR CONDITIONING AS SCHEDULED. UNIT TO BE COMBINED PACKAGED SYSTEM, ALL SEASON EQUIPMENT, CONSISTING OF GAS HEATING SECTION, BLOWER, DX COIL, COMPRESSOR(S), AND AIR COOLED CONDENSING SECTION. UNIT SHALL BE DESIGNED FOR DOWN FLOW ARRANGEMENT WITH ALL DUCT PENETRATIONS WITHIN FACTORY ROOF CURB.
2. FEATURES: UNITS TO BE WOUND FOR VOLTAGE AND PHASE AS SCHEDULED. HEAVY GAUGE ALUMINIZED STEEL, STAINLESS STEEL OR COATED HEAT EXCHANGER WILL BE ACCEPTABLE. UNIT MUST BE A.G.A. APPROVED FOR OUTDOOR APPLICATION. DIRECT EXPANSION COIL WITH FACTORY INSTALLED EXPANSION VALVE - BLOWER SHALL BE OF THE CENTRIFUGAL BELT DRIVEN OR MULTI-SPEED DIRECT DRIVE TYPE WITH FORWARD CURBED BLADES - BLOWER AND MOTOR ISOLATED FOR QUIET OPERATION - BUILT IN MOTOR STARTER WITH OVER VOLTAGE PROTECTION. HERMETICALLY SEALED COMPRESSOR WITH INHERENT OVERLOAD PROTECTION THERMOSTAT - NON-PRORATED 5-YEAR WARRANTY ON COMPRESSOR AND 10-YEAR WARRANTY ON HEAT EXCHANGER - CONDENSER COIL CONSTRUCTED OF COPPER TUBING WITH ALUMINUM FINS - CRANKCASE HEATERS - BUILT IN MOTOR STARTERS ELECTRIC IGNITION - HIGH, LOW PRESSURE CUTOUT ON COMPRESSOR - SHUTOFF VALVES ON LIQUID AND SUCTION LINES - SHUTOFF CYCLE TIMER PROTECTION FILTER DRYER - VIBRATION ISOLATION. UNIT FACTORY CHARGED.
3. ACCESSORIES: SUPPLY AND RETURN FILTER CASING ASSEMBLY, TWO COMPLETE SETS OF THROWAWAY TYPE FILTERS. FILTERS SHALL BE 2" THICK. ONE SET TO BE REMOVED AND REPLACED JUST PRIOR TO FINAL INSPECTION - FULL ECONOMIZER PACKAGE WITH LOW LEAKAGE FRESH AIR STANDARD RETURN AIR DAMPERS AND DAMPER MOTOR, - MINIMUM POSITION SETTING - PROVIDE MANUFACTURER'S INTERFACE AS REQUIRED FOR OPERATION WITH THERMOSTAT AS SPECIFIED. PROVIDE MOUNTING CURB APPROVED BY NATIONAL ROOF CONTRACTORS' ASSOCIATION TO SUPPORT THE ENTIRE ASSEMBLY WITH NAILER STRIP AND AIR TIGHT GASKET.
- E. ALL SINGLE STAGE UNITS WILL BE EQUIPPED WITH PROGRAMMABLE THERMOSTAT. DESIGN AND STANDARD CONDITIONS FOR THERMOSTAT OPERATION WILL BE AS FOLLOWS:
- | | |
|------------|----------------------------------------------------------------------------------------------------|
| COOLING: | 75°F MAXIMUM OCCUPIED COOLING TEMPERATURE
85°F COOLING NIGHT SETBACK. |
| HEATING: | 70°F MAXIMUM OCCUPIED HEATING TEMPERATURE
60°F HEATING NIGHT SETBACK. |
| FAN: | CONTINUOUS IN OCCUPIED AND RECOVERY MODE AND WITH HEATING OR COOLING EQUIPMENT IN UNOCCUPIED MODE. |
| DEADBAND: | CAPABLE OF MAINTAINING A 5°F DEADBAND. |
| CLOCK: | 7 DAY CAPABLE OF 7 DIFFERENT DAY SCHEDULES. |
| OVERNIGHT: | HAVE A 2 HOUR OVERRIDE ACCESSIBLE TO MANAGER. |
| BACKUP: | CAPABLE OF MAINTAINING PROGRAMMED SETTING FOR AT LEAST 10 HOURS WITHOUT POWER. |
- F. THE HVAC SUBCONTRACTOR SHALL IDENTIFY ALL ROOF MOUNTED HVAC EQUIPMENT AND APPARATUS WITH 2" HIGH PAINTED STENCILLED STORE NAME ON ALL SIDES OF EQUIPMENT.

DUCTWORK

- A. SQUARE AND RECTANGULAR DUCTWORK SHALL BE CONSTRUCTED OF NEW GALVANIZED PRIME GRADE SHEET STEEL OF THE FOLLOWING GAUGES:
- | | |
|--------------|-------------------|
| DUCT SIZE | GUAGE |
| 12" AND LESS | NO. 26 U.S. GAUGE |
| 13" TO 30" | NO. 24 U.S. GAUGE |
| 31" TO 54" | NO. 22 U.S. GAUGE |
| 55" TO 84" | NO. 20 U.S. GAUGE |
| 85" AND OVER | NO. 18 U.S. GAUGE |
- B. SQUARE AND RECTANGULAR DUCTWORK SHALL BE CONSTRUCTED AS FOLLOWS:
- | | |
|--------------|----------------------------------------|
| SIZE | METHOD |
| 17" AND LESS | "S" AND DRIVE CLEATS |
| 18" TO 30" | "L" STANDING SEAMS ON 3'-0" CENTERS |
| 31" TO 54" | 1-1/4" STANDING SEAMS ON 3'-0" CENTERS |

GREASE DUCTS SHALL BE BLACK CARBON STEEL NOT LESS THAN 0.054" (16 GA.). ALL SEAMS, JOINTS, AND PENETRATIONS SHALL HAVE A LIQUID TIGHT, CONTINUOUS, EXTERNAL WELD.

1. THE KITCHEN HOOD EXHAUST DUCTWORK SHALL BE ENCLOSED IN A RATED ENCLOSURE PER CODE.
2. THE CONTRACTOR SHALL INCLUDE IN HIS PRICE:
- ALL NECESSARY TRANSITION AND CONNECTION FITTINGS TO THE HOOD AND EXHAUST FANS.
 - ALL CLEAN-OUT ACCESS PANELS AS REQUIRED BY CODE.
 - ALL ELBOW AND TRANSITION FITTINGS.
 - ALL HANGERS AND SUPPORTS.
 - SHOP DRAWINGS SHOWING PROPOSED FABRICATION AND INSTALLATION COORDINATED WITH EXISTING FIELD CONDITIONS AND OTHER TRADES.

ROUND LOW PRESSURE DUCTS SHALL BE SPIRAL WOUND AS MANUFACTURED BY UNITED SHEET METAL COMPANY OR SHOP FABRICATED ROUND DUCTS WITH PITTSBURGH LOCK LONGITUDINAL SEAMS. GAUGES FOR SHOP FABRICATED DUCTS SHALL BE AS FOLLOWS:

UP TO 12" IN DIAMETER	NO. 26 GAUGE
13" TO 30"	NO. 24 GAUGE
31" TO 42"	NO. 22 GAUGE
43" TO 60"	NO. 20 GAUGE

ELBOWS SHALL HAVE A CENTERLINE RADIUS OF 1-1/2 TIMES DUCT DIAMETER AND MAY BE SMOOTH ELBOWS OR 5 PIECE 90 DEGREE ELBOWS AND 3 PIECE 45 DEGREE ELBOWS. JOINTS OF ROUND DUCTS SHALL BE SLIP TYPE WITH A MINIMUM OF 3 SHEET METAL SCREWS.

1. ALL EXPOSED ROUND LOW PRESSURE DUCTWORK SHALL BE INTERNALLY LINED.
2. ALL LOW PRESSURE DUCTWORK SHALL BE EXTERNALLY SEALED USING UNITED SHEET METAL, MMM EC-800, OR HARDCAST DUCT SEALER INSTALLED IN THE JOINTS PRIOR TO CLOSURE. ADDITIONALLY SEAL ALL EXTERNAL TRANSVERSE JOINTS AND FITTING CONNECTIONS EXTERNALLY.
- C. ALL SUPPLY AIR DUCTS (HEATING AND COOLING) AND RETURN AIR DUCTS AND OUTSIDE AIR DUCTS SHALL BE GALVANIZED STEEL WITH MIN. 1" (R-5) THICK EXTERNAL THERMAL INSULATION EXCEPT DUCT LINED FOR ACOUSTICAL PURPOSES. ALL EXHAUST AND RELIEF AIR DUCTS SHALL BE GALVANIZED STEEL.
- D. CONTRACTOR WILL INSTALL INSECT SCREENS ON ALL DUCT OPENINGS WHICH LEAD TO OR ARE OUTDOORS. INSECT SCREENS SHALL BE 10 GAUGE, ONE-HALF INCH (1/2") MESH IN REMOVABLE GALVANIZED STEEL FRAMES.
- E. ALL DUCTWORK SHALL BE DESIGNED IN ACCORDANCE WITH THE PROCEDURES DESCRIBED IN THE AMERICAN SOCIETY OF HEATING REFRIGERATION AND AIR CONDITIONING ENGINEERS GUIDE (ASHRAE) AND FABRICATED AND INSTALLED IN ACCORDANCE WITH THE LATEST METHODS RECOMMENDED IN THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA) LOW VELOCITY DUCT MANUAL, LATEST EDITION.

HANGERS AND SUPPORTS

- A. ALL HORIZONTAL DUCTS HAVING A DIMENSION OF 40 INCHES AND LESS SHALL BE SUPPORTED BY MEANS OF BAND IRON HANGERS OF NO. 18 U.S. GAUGE ATTACHED TO THE DUCT BY MEANS OF RIVETS, SCREWS, OR CLAMPS, AND FASTENED TO STRUCTURE ABOVE BY TOGGLE BOLTS OR OTHER MEANS. EACH SECTION OF DUCTWORK SHALL HAVE AT LEAST ONE PAIR OF SUPPORTS. VERTICAL DUCTS SHALL BE SUPPORTED WITH 1-1/4" x 1-1/4" x 1-1/4" ANGLES WHERE THEY PASS THROUGH THE FLOOR LINES.
- B. ALL HORIZONTAL DUCTS HAVING A DIMENSION OF 40 INCHES AND MORE SHALL BE SUPPORTED BY MEANS OF ANGLE IRON TRAPEZE HANGERS. EACH SECTION OF DUCTWORK SHALL HAVE AT LEAST ONE PAIR OF SUPPORTS.

FLASHING

- A. CONTRACTOR WILL PROVIDE WATER TIGHT 24 GA. SHEET METAL FLASHINGS AT ALL EXTERIOR WALLS AND ROOF PENETRATIONS.
- B. ALL CUTTING OF ROOF OPENINGS, SUPPORTS FOR ROOF OPENINGS, PITCH PANS, ROOF CURBS, FLASHINGS, COUNTER FLASHINGS, REPAIR TO ROOF, ETC. ASSOCIATED WITH HVAC SUBCONTRACTOR SHALL BE THE RESPONSIBILITY AND PART OF THE CONTRACT HVAC SUB-CONTRACTOR. HE SHALL EMPLOY THE LANDLORD'S ROOFERS FOR THIS WORK SO AS TO MAINTAIN THE ROOF BOND.

DAMPERS

- A. SPLITTER DAMPERS SHALL BE FABRICATED OF SHEET STEEL NOT LESS THAN NO. 16 U.S. GAUGE WITH THE LEADING EDGE HEMMED. EACH DAMPER SHALL BE LARGE ENOUGH TO COVER THE SMALLER OF THE TWO OPENINGS IT CONTROLS. DAMPERS SHALL BE CONTROLLED AS FOLLOWS:
- EXPOSED OR ACCESSIBLE DUCTWORK - LOCKING QUADRANTS EQUAL TO YOUNG REGULATOR NO. 1 WITH DAMPER ROD END BEARINGS ON OPPOSITE END.
- CONCEALED DUCTWORK - LOCKING QUADRANT EQUAL TO YOUNG REGULATOR NO. 315 (CHROMIUM PLATED WITH DAMPER ROD END BEARINGS ON BOTH ENDS).
- B. VOLUME DAMPERS SHALL BE OF THE OPPOSED INTERLOCKING TYPE AS MANUFACTURED BY AMERICAN FOUNDRY AND FURNACES CO (AFFCO) OR EQUAL. BLADES SHALL BE OF NO. 16 GAUGE SHEET METAL AND SHALL NOT EXCEED 48" IN LENGTH OR 12" IN WIDTH. BLADES SHALL BE ON ONE-HALF INCH (1/2") DIAMETER RUSTPROOF AXLE. BEARINGS SHALL BE OF THE SELF-LUBRICATING FERRULE TYPE.
- C. FIRE DAMPERS SHALL BE SUPPLIED AND INSTALLED BY HVAC CONTRACTOR AT DUCT PENETRATIONS IN FIRE RATED WALLS, CEILINGS, AND ROOFS AS REQUIRED. COORDINATE WITH LANDLORD, LOCAL FIRE MARSHALL AND ALL CODES AND GOVERNING AUTHORITIES HAVING JURISDICTION.
- D. JOB FABRICATED TURNING VANES SHALL BE ACCEPTABLE IN SQUARE ELBOWS. PROVIDE AND INSTALL BARBER-COLEMAN AIR TURNS OR EQUAL. TURNING VANES SHALL BE OF THE SAME GAUGE METAL AS THE DUCT IN WHICH THEY ARE INSTALLED. RADIUS ELBOWS SHALL HAVE A CENTERLINE RADIUS OF ONE AND ONE-HALF (1-1/2) TIMES THE DUCT WIDTH.

DUCTWORK - EXCEPTIONS

DUCTWORK FOR EXHAUSTING AIR OR OUTSIDE SUPPLY AIR SHALL BE ALL METAL AND CONSTRUCTED ACCORDING TO RECOMMENDED PRACTICES AS FOUND IN THE LATEST ISSUE OF ASHRAE.

SUPPORT OF DUCT SYSTEM

HANGER DESIGN SHALL BE AS DESCRIBED IN THE LATEST EDITION OF THE "SMACNA" MANUAL. REINFORCEMENT MEMBERS MAY BE USED TO SUPPORT DUCT SYSTEM PROVIDED DETAILS OUTLINED IN THE AFOREMENTIONED MANUAL ARE ADHERED TO.

DUCTS SHALL BE SUPPORTED AT ALL TURNS AND TRANSITIONS AND NOT MORE THAN 8'-0" O.C. STRAIGHT DUCTS UP TO 59" MAX. DIMENSIONS SHALL BE SUPPORTED 6'-0" O.C. DUCTS OVER 60" MAX. DIMENSIONS SHALL BE SUPPORTED AT 4'-0" O.C.

REINFORCEMENT

ALL DUCTS REQUIRING REINFORCEMENT SHALL BE REINFORCED ACCORDING TO THE LATEST EDITION OF "SMACNA" MANUAL.

MATERIALS FOR REINFORCEMENT MEMBERS SHALL BE GALVANIZED STEEL. ALL SCREWS AND WASHERS SHALL BE PLATED OR GALVANIZED.

ACCESSORY ITEMS

ALL MANUAL DAMPERS, FIRE DAMPERS, TURNING VANES, REGISTER CONNECTIONS, ACCESS DOORS OR OTHER ASSOCIATED ACCESSORIES SHALL BE INSTALLED ACCORDING TO THE LATEST PUBLICATION OF "SMACNA" MANUAL.

TESTING AND ADJUSTING

CONTRACTOR WILL DEMONSTRATE OPERATION OF SYSTEM TO FULL SATISFACTION OF TENANT, WILL BALANCE AIR FLOW IN ACCORDANCE WITH AIR QUANTITIES ON DRAWINGS AND WILL RECORD VOLUME READINGS IN ACCORDANCE WITH ASHRAE AND PROVIDE SAME TO TENANT. ALL PIPING SHALL WITHSTAND AIR PRESSURE TESTING PER GOVERNING PLUMBING CODE.

- A. AIR DISTRIBUTION SYSTEMS:
- INSPECT INSTALLATION AND VERIFY CONFORMITY TO DESIGN. VERIFY THAT SUPPLY, RETURN, AND EXHAUST DUCTS HAVE BEEN PRESSURE-TESTED FOR LEAKAGE AS RECOMMENDED IN THE APPROPRIATE SMACNA STANDARDS.
 - VERIFY THAT VOLUME AND FIRE DAMPERS ARE PROPERLY LOCATED AND FUNCTIONAL.
 - VERIFY THAT SUPPLY, RETURN, EXHAUST AND TRANSFER GRILLES, REGISTERS AND DIFFUSERS ARE INSTALLED AND OPERATING PROPERLY.

- B. VERIFY THAT CONTROL COMPONENTS ARE INSTALLED IN ACCORDANCE WITH PROJECT REQUIREMENTS AND ARE FUNCTIONING AS INTENDED, INCLUDING ELECTRICAL POWER, CONTROL AND INTERLOCK WIRING, DAMPER SEQUENCES, SMOKE DETECTORS, ETC.
- C. UPON COMPLETION OF THE INSTALLATION AND START-UP OF THE MECHANICAL EQUIPMENT, TEST, ADJUST AND BALANCE SYSTEM COMPONENTS TO OBTAIN OPTIMUM CONDITIONS IN EACH CONDITIONED SPACE IN THE BUILDING.
- D. BEFORE FINAL ACCEPTANCE IS MADE, FURNISH TO THE ARCHITECT THE FOLLOWING DATA:
- SUMMARY OF MAIN SUPPLY, RETURN AND EXHAUST DUCT PILOT TUBE TRANSVERSES AND FAN SETTINGS.
 - AIR QUANTITIES AT EACH SUPPLY, RETURN, RELIEF AND EXHAUST AIR HANDLING DEVICE.
 - AIR PRESSURE READINGS ENTERING AND LEAVING EACH SUPPLY FAN AND EXHAUST FAN.
 - MOTOR CURRENT AND VOLTAGE READINGS AT EACH EQUIPMENT MOTOR.
 - TEST RESULTS SHALL BE RECORDED ON STANDARD FORMS CONFORMING TO AABC AND NEBB REQUIREMENTS. THE REPORT SHALL INCLUDE AIR FLOW SCHEMATIC DIAGRAMS INDICATING AND IDENTIFYING TEST LOCATIONS SUCH AS DUCT TRANSVERSE, OUTLET READINGS, PRESSURE READINGS AND TEMPERATURE READINGS, AND SHALL BE REFERENCED TO THE RECORDED DATA ON THE FORMS.
 - MAKE AN INSPECTION IN THE BUILDING DURING THE OPPOSITE SEASON FROM THAT IN WHICH THE INITIAL ADJUSTMENTS WERE MADE, AND AT THAT TIME MAKE ANY NECESSARY MODIFICATIONS TO THE INITIAL ADJUSTMENTS REQUIRED TO PRODUCE OPTIMUM OPERATION OF THE SYSTEM COMPONENTS, TO PRODUCE THE PROPER CONDITIONS IN EACH SPACE.
 - INSTRUCTION: THE CONTRACTOR SHALL INSTRUCT THE BUILDING OPERATING PERSONNEL IN THE CONSTRUCTION AND OPERATION OF ALL EQUIPMENT.

GUARANTEE

ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER DATE OF ACCEPTANCE. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTANCE BY TENANT SHALL BE A CONDITION OF THIS CONTRACT. ALL WORK FOUND TO BE DEFECTIVE SHALL BE REPAIRED OR REPLACED BY THIS SUBCONTRACTOR WITHOUT ADDITIONAL CHARGE TO THE TENANT.

MECHANICAL

TEMPORARY SERVICES

THE CONTRACTOR SHALL PROVIDE THE FOLLOWING SPECIFIC ITEMS OF TEMPORARY SERVICES:

- A. TELEPHONE - THE TENANT'S GENERAL CONTRACTOR SHALL INSTALL A JOB SITE TELEPHONE AND NOTIFY TENANT AS LISTED ON SHEET A-1 OF THE TELEPHONE NUMBER AND THE NAME OF THE SUPERINTENDENT.
- B. TEMPORARY WATER - WATER REQUIRED IN THE PERFORMANCE OF THE CONTRACT SHALL BE PROVIDED AND PAID FOR BY THE CONTRACTOR. WATER USED FOR HUMAN CONSUMPTION SHALL CONFORM TO REQUIREMENTS OF STATE AND LOCAL AUTHORITIES FOR POTABLE WATER.
- C. TEMPORARY ELECTRICITY - TEMPORARY ELECTRIC SERVICE REQUIRED IN THE PERFORMANCE OF THE CONTRACT SHALL BE FURNISHED AND PAID FOR BY THE CONTRACTOR WHO SHALL FURNISH, INSTALL, AND MAINTAIN ALL TEMPORARY OVERHEAD CONSTRUCTION, METERS, DROPS, AND OTHER WIRING AND FITTINGS FOR BOTH LIGHT AND POWER AT LOCATIONS REQUIRED IN THE WORK AND SHALL BEAR THE COST OF MAKING THE SERVICE CONNECTIONS. BEFORE FINAL ACCEPTANCE, TEMPORARY ELECTRICAL SERVICE FACILITIES INSTALLED BY THE CONTRACTOR SHALL BE REMOVED AND THE SERVICE CONNECTIONS SEVERED IN ACCEPTABLE MANNER.
- D. TEMPORARY HEAT - WHEN REQUIRED FOR PROPER INSTALLATION OR PROTECTION OF ANY PORTION OF THE WORK, THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY HEATING UNITS AS APPROVED BY THE LANDLORD OR LOCAL AUTHORITY.
- E. COST OF LANDLORD PROVIDED UTILITY SERVICES - IF THE LANDLORD ELECTS TO PROVIDE TEMPORARY UTILITY SERVICES, THE CONTRACTOR WILL BE SO INFORMED BY THE TENANT. THE CONTRACTOR SHALL MAKE TO PAY THE COST OF SAID TEMPORARY CONSTRUCTION AND UTILITY SERVICES.

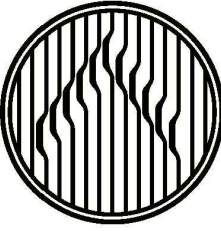
NOTE FOR TENANT GENERAL CONTRACTOR

IT IS THE RESPONSIBILITY OF THE TENANT'S GENERAL CONTRACTOR TO MAKE USE OF APPLICABLE NOTES AND SPECIFICATIONS LISTED ON THIS SHEET AS THEY MAY PERTAIN TO THE SPECIFIC JOB.

NOTE FOR GENERAL CONTRACTOR:

IT IS THE RESPONSIBILITY OF THE TENANT'S GENERAL CONTRACTOR TO MAKE USE OF APPLICABLE NOTES AND SPECIFICATIONS LISTED ON THIS SHEET AS THEY MAY PERTAIN TO THE SPECIFIC JOB.

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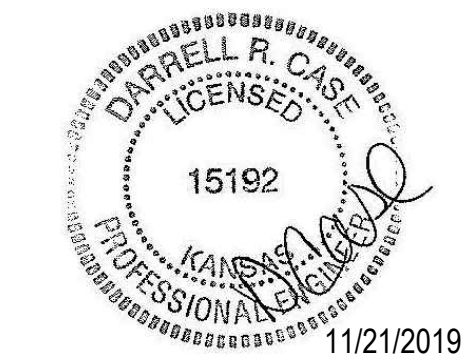


JERSEY MIKES - REGENCY PARK

9220 Metcalf Ave
Overland Park, KS 66212

#	Description	Date
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11/21/2019

PERMIT SET

Client Approval

MECHANICAL SPECIFICATIONS

Project # 43419-KS02

Issue Date 11/4/2019

Scale As indicated

Drawn by NGB

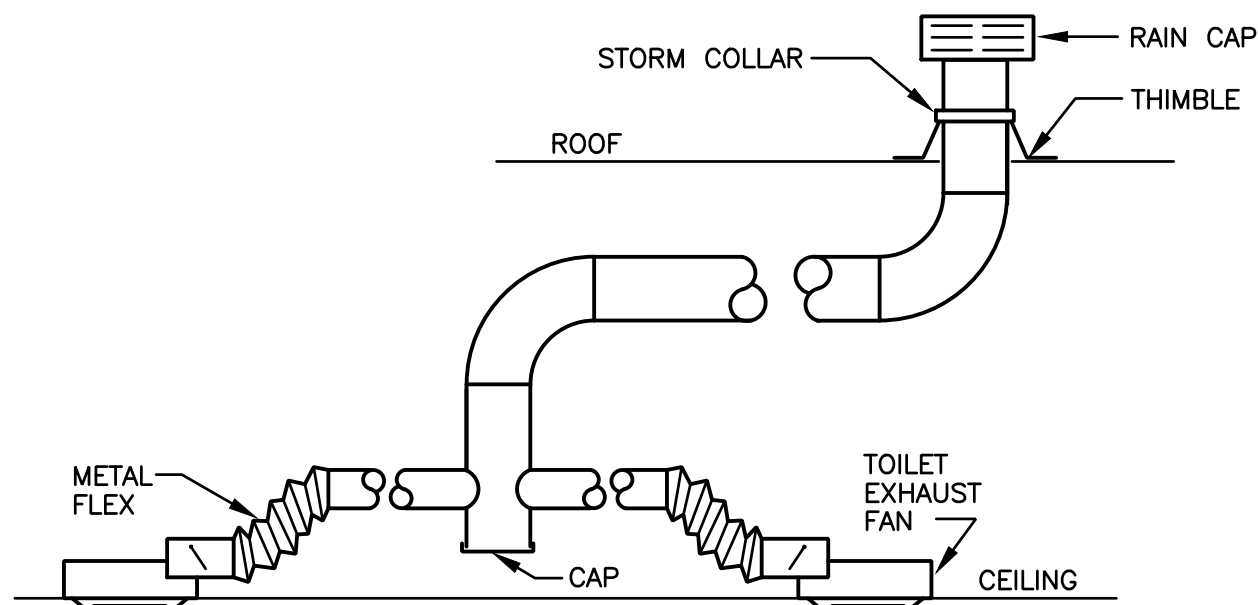
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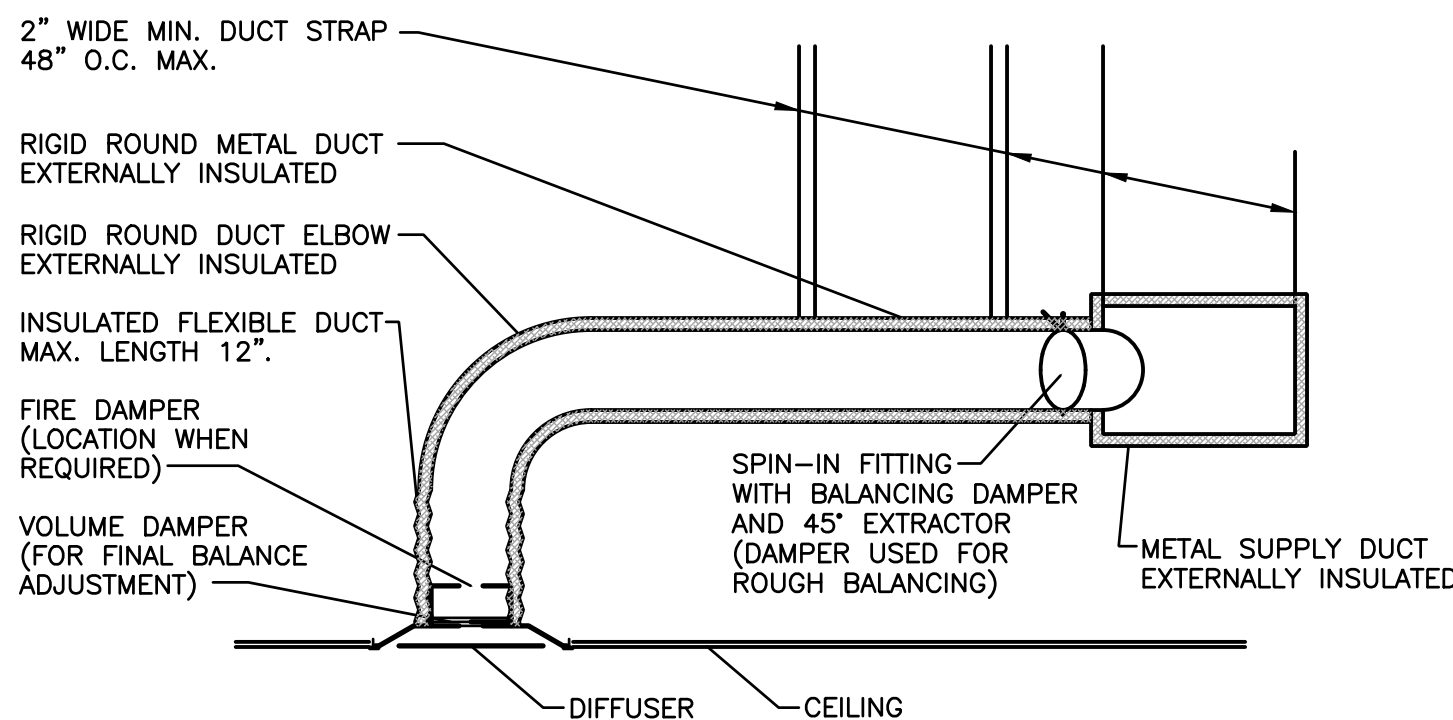
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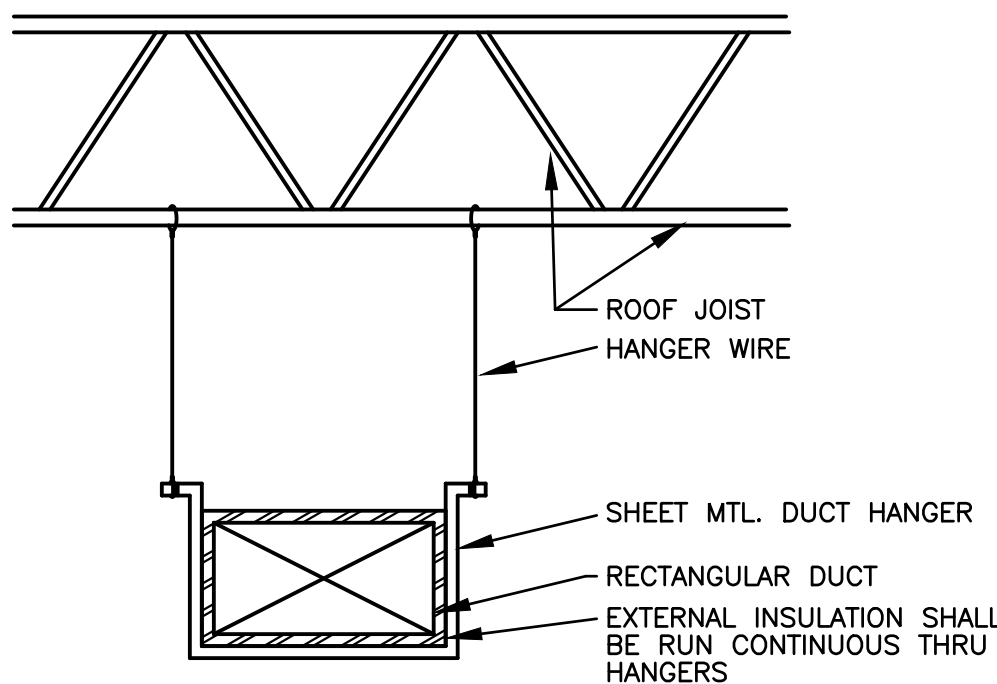
NOTES:
1. SEE FLOOR PLAN FOR DUCT DIMENSIONS.
2. ELECTRICIAN TO WIRE FANS IN PARALLEL WITH RESTROOM LIGHT FIXTURES.

6 TOILET FAN EXHAUST DETAIL
SCALE: NONE

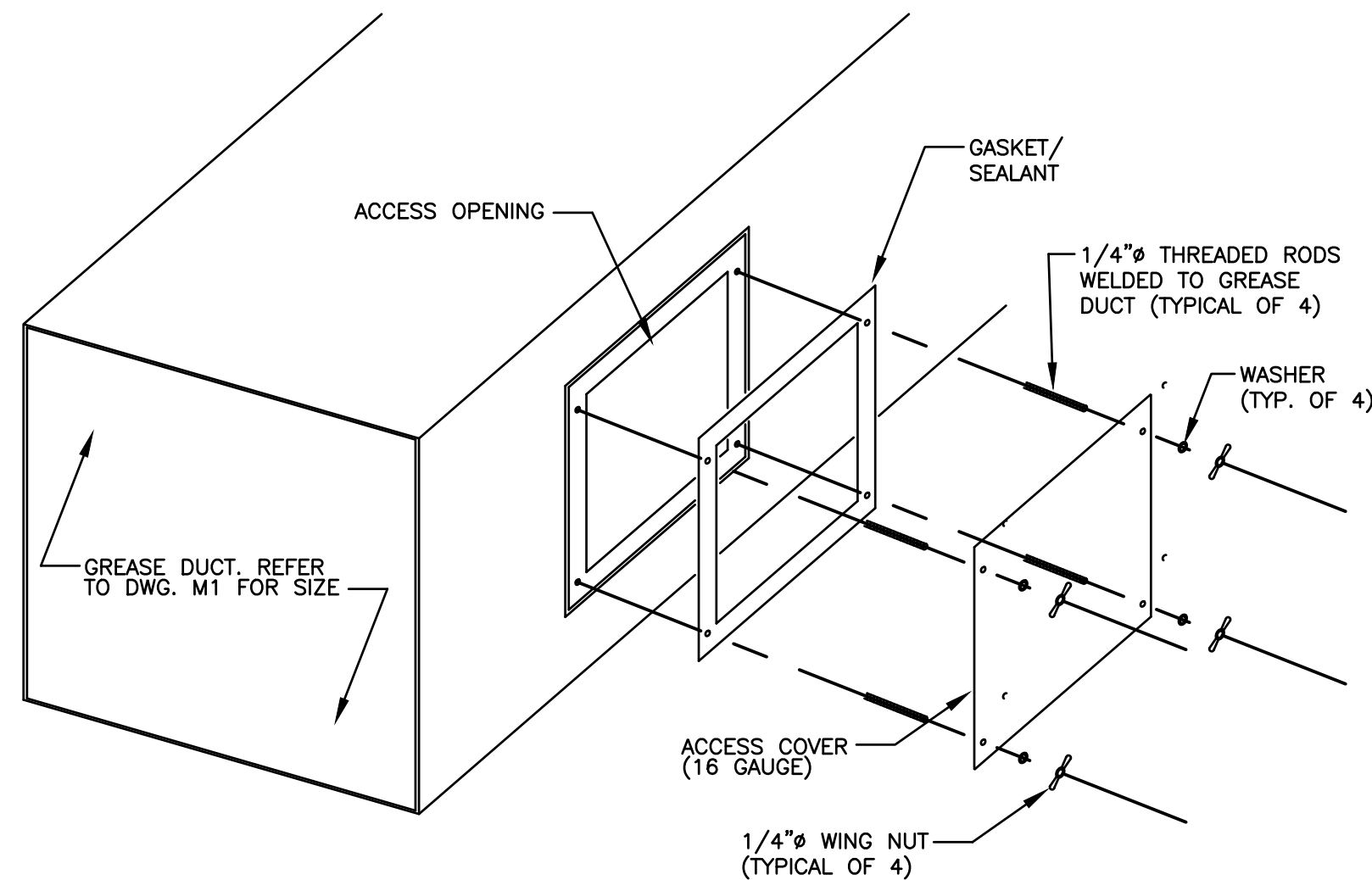


* REFER TO THE MECHANICAL EQUIPMENT SCHEDULE FOR COMPONENT AND DEVICE SPECIFICATIONS.

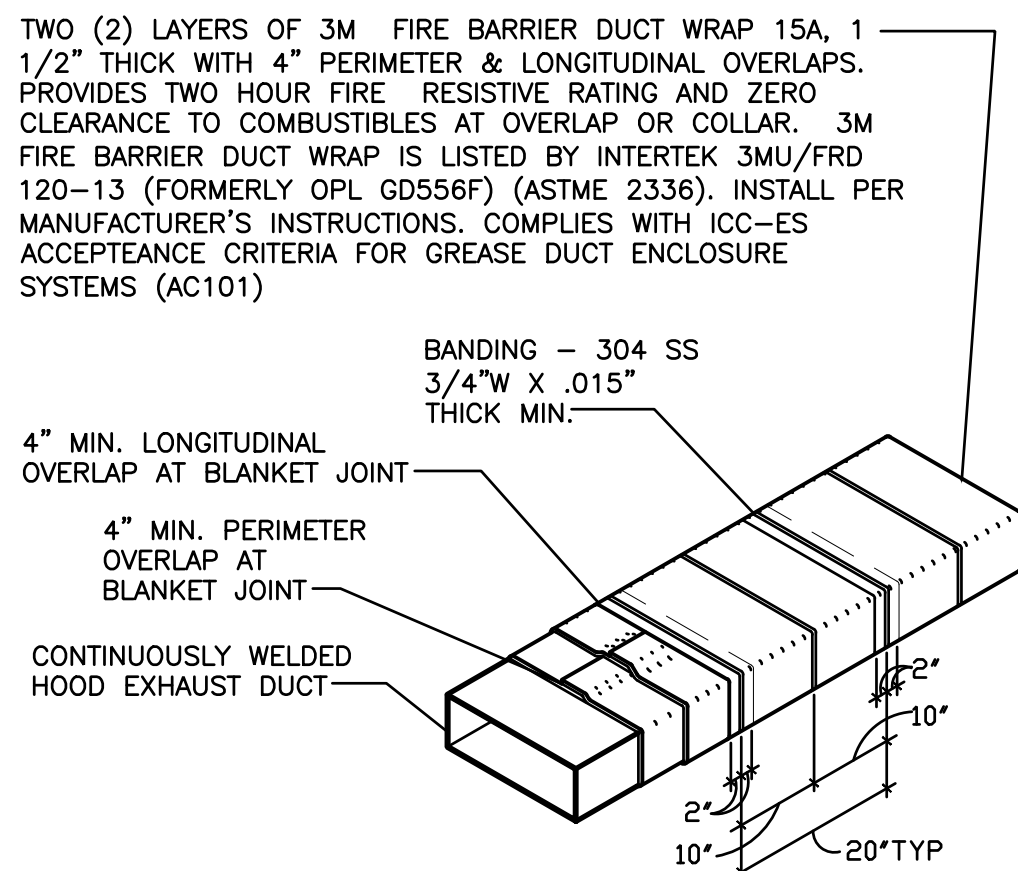
4 HVAC DUCTWORK DETAIL
SCALE: NONE



5 DUCT HANGER DETAIL
SCALE: NONE

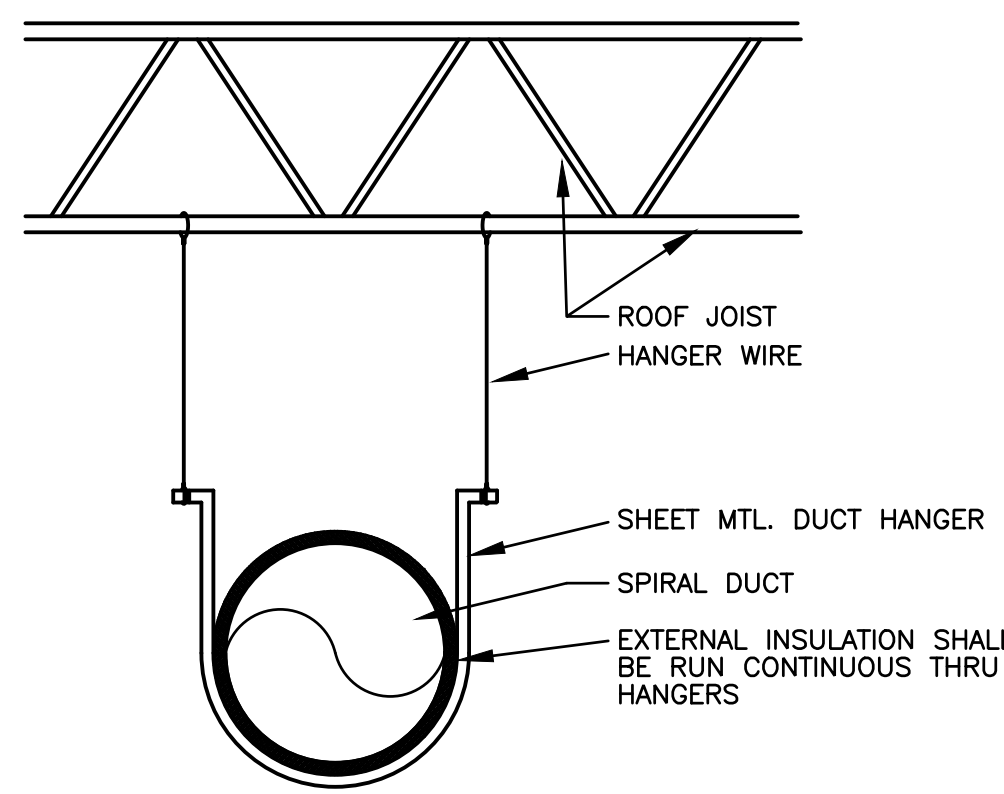


1 GREASE DUCT ACCESS PANEL DETAIL
SCALE: NONE



NOTES:
1. BANDING REQUIREMENTS: USE 304 STAINLESS STEEL BANDS A MAXIMUM 2" FROM BLANKET EDGE AND SPACED A MAXIMUM OF 10" ON CENTER.
2. WRAP GREASE DUCT CONTINUOUS AS SHOWN FROM CONNECTION AT FAN THROUGH CURB AND EXTEND 18" MIN. BELOW ROOF DECK.
3. FOR HORIZONTAL RUNS OF EXHAUST DUCTS PROVIDE TYPICAL TRAPEZE SUPPORT SYSTEM WITH 1/2" HANGER RODS A MAXIMUM OF 6" FROM INSULATION EDGE. TRAPEZE SUPPORTS SHALL BE SPACED A MAXIMUM OF 60" ON CENTER FROM CENTERLINE OF VERTICAL EXHAUST DUCT.
4. SLOPE HORIZONTAL EXHAUST DUCT RUNS A MINIMUM OF 1/4" PER FOOT (2% SLOPE) TOWARDS EXHAUST HOOD.
5. PROVIDE INSULATED ACCESS DOORS OR PANELS FOR CLEANING AND INSPECTION OF DUCT. PROVIDE AN APPROVED SIGN ON EACH ACCESS DOOR OR PANEL WHICH READS "ACCESS PANEL - DO NOT OBSTRUCT".

2 GREASE DUCT DETAIL
SCALE: NONE

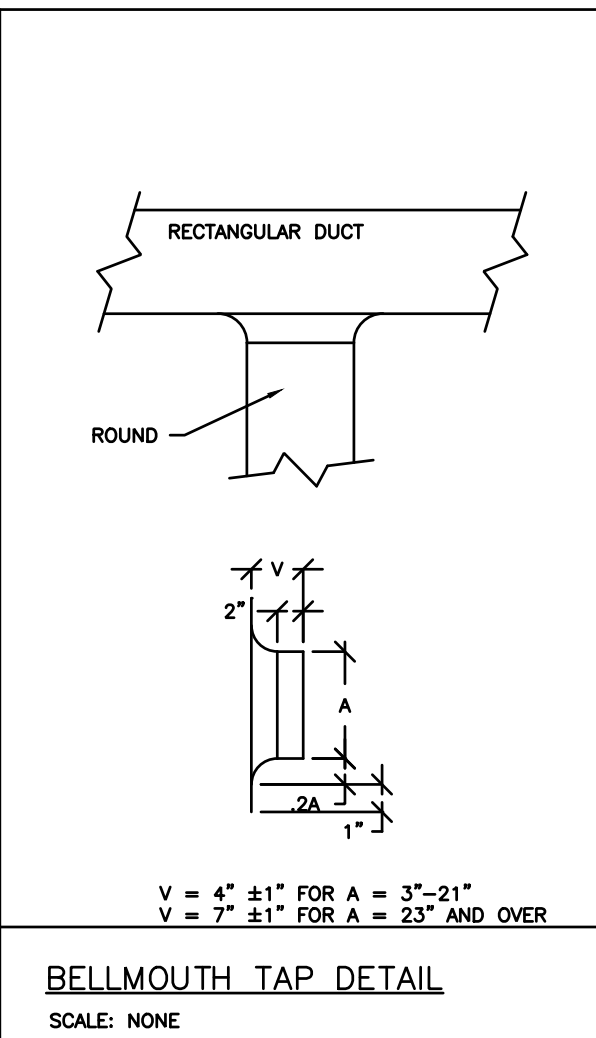
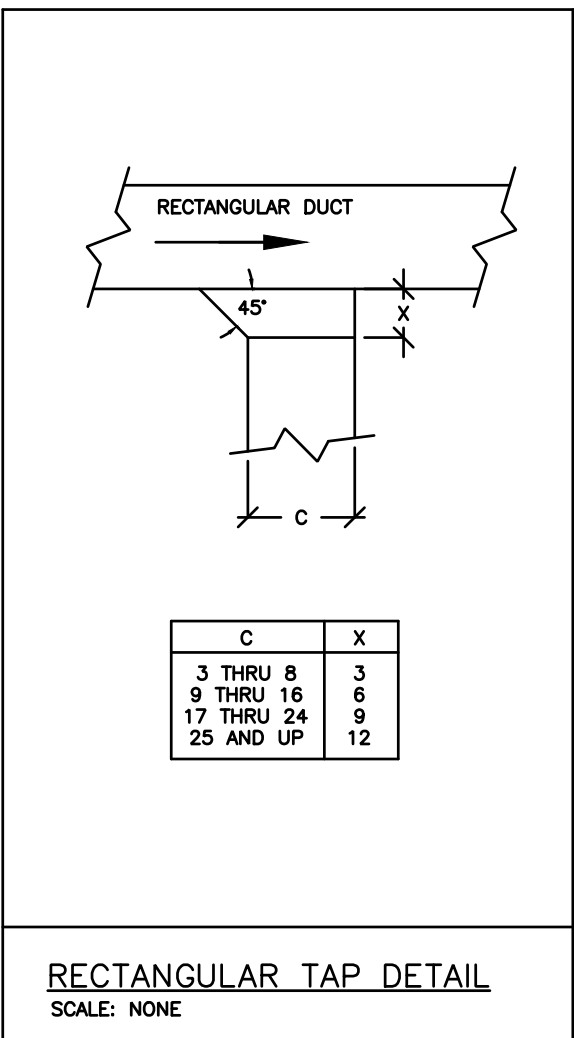
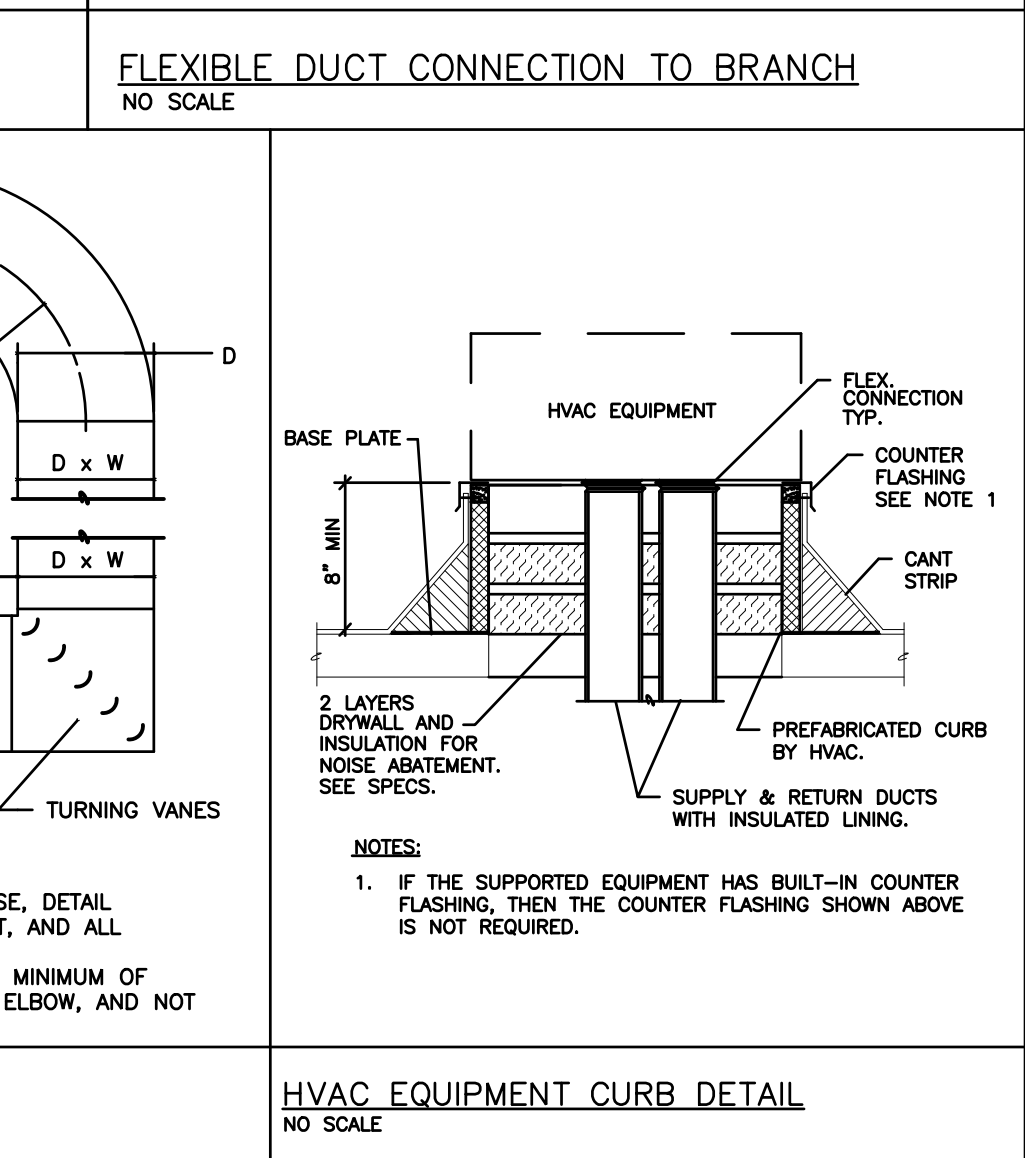
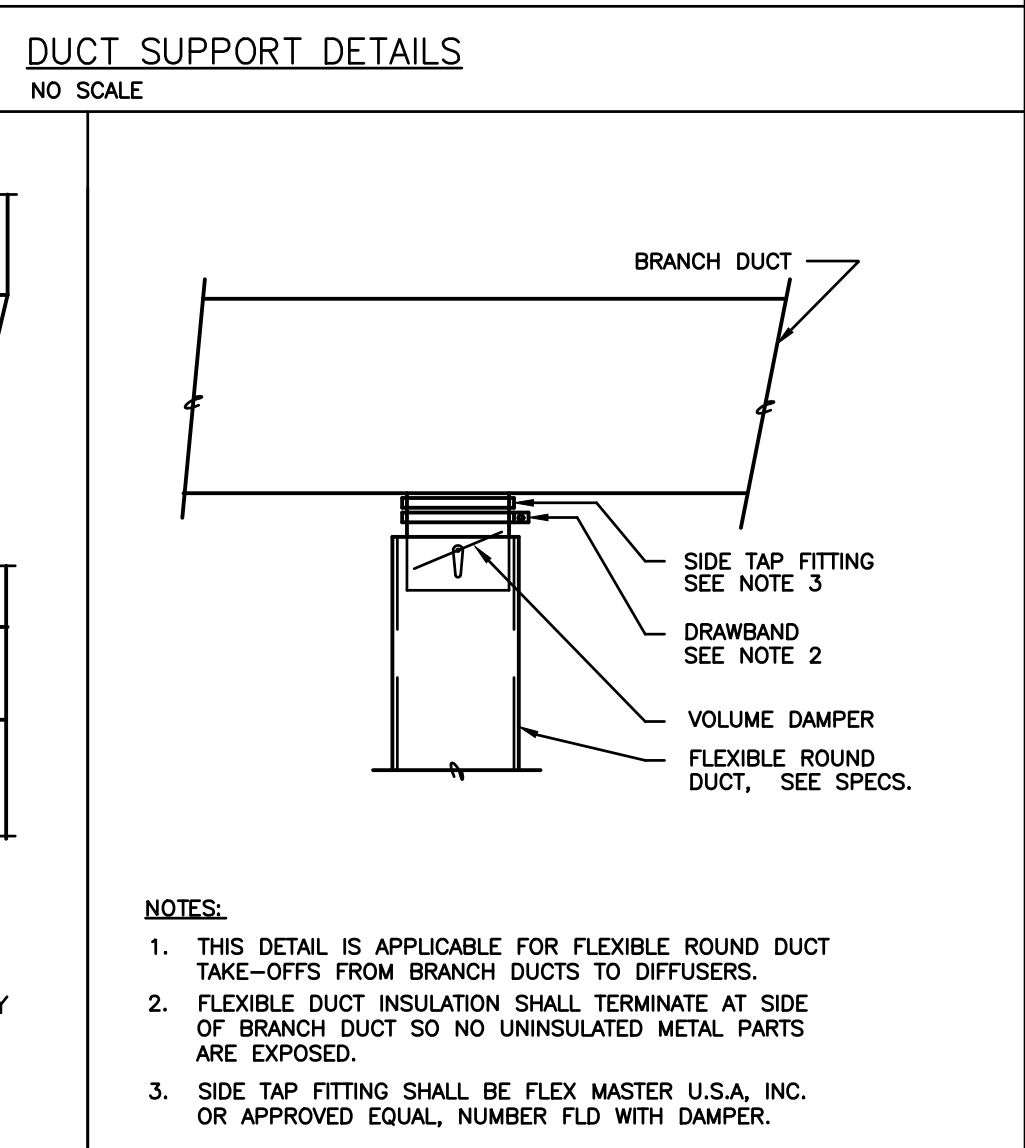
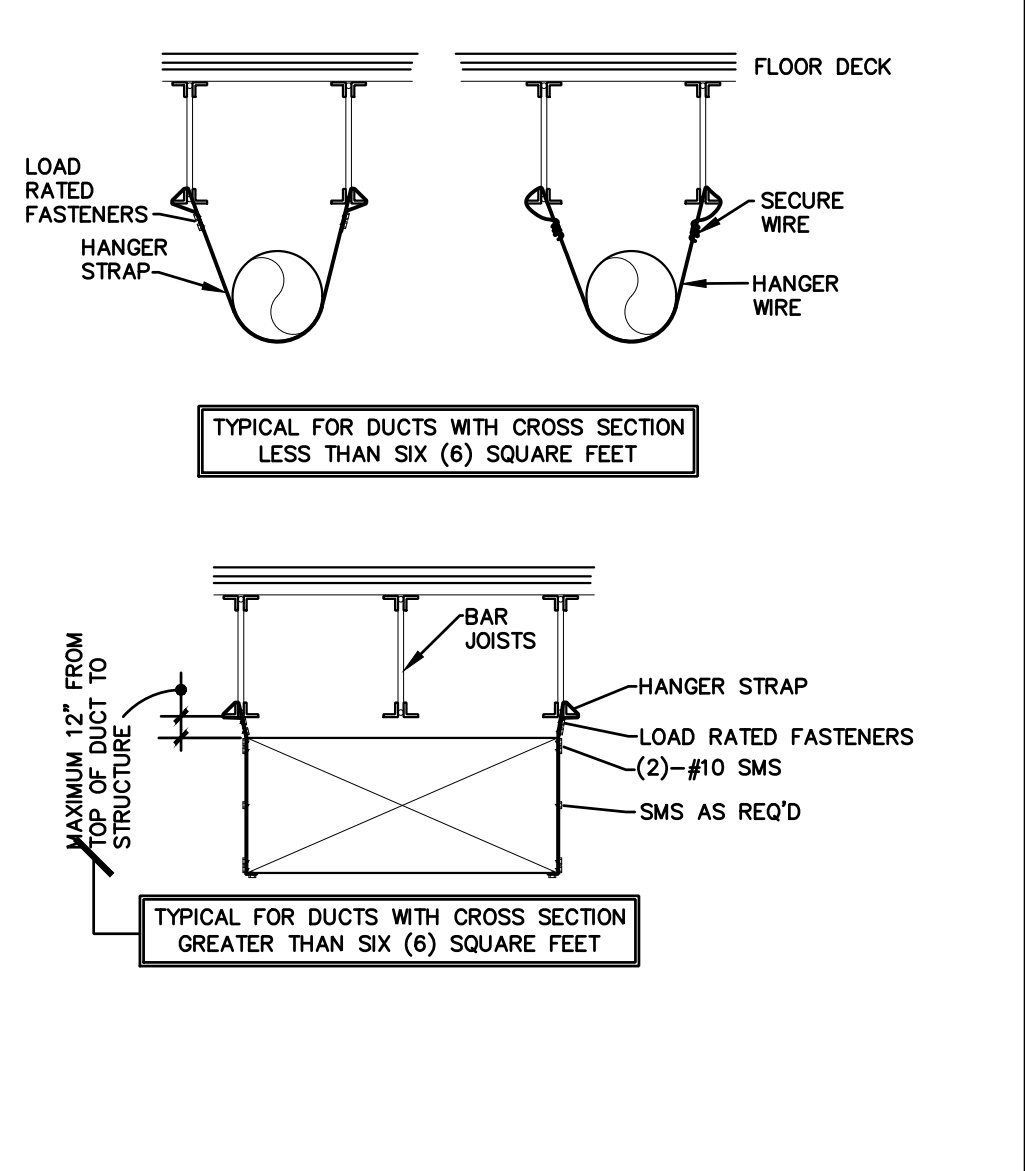
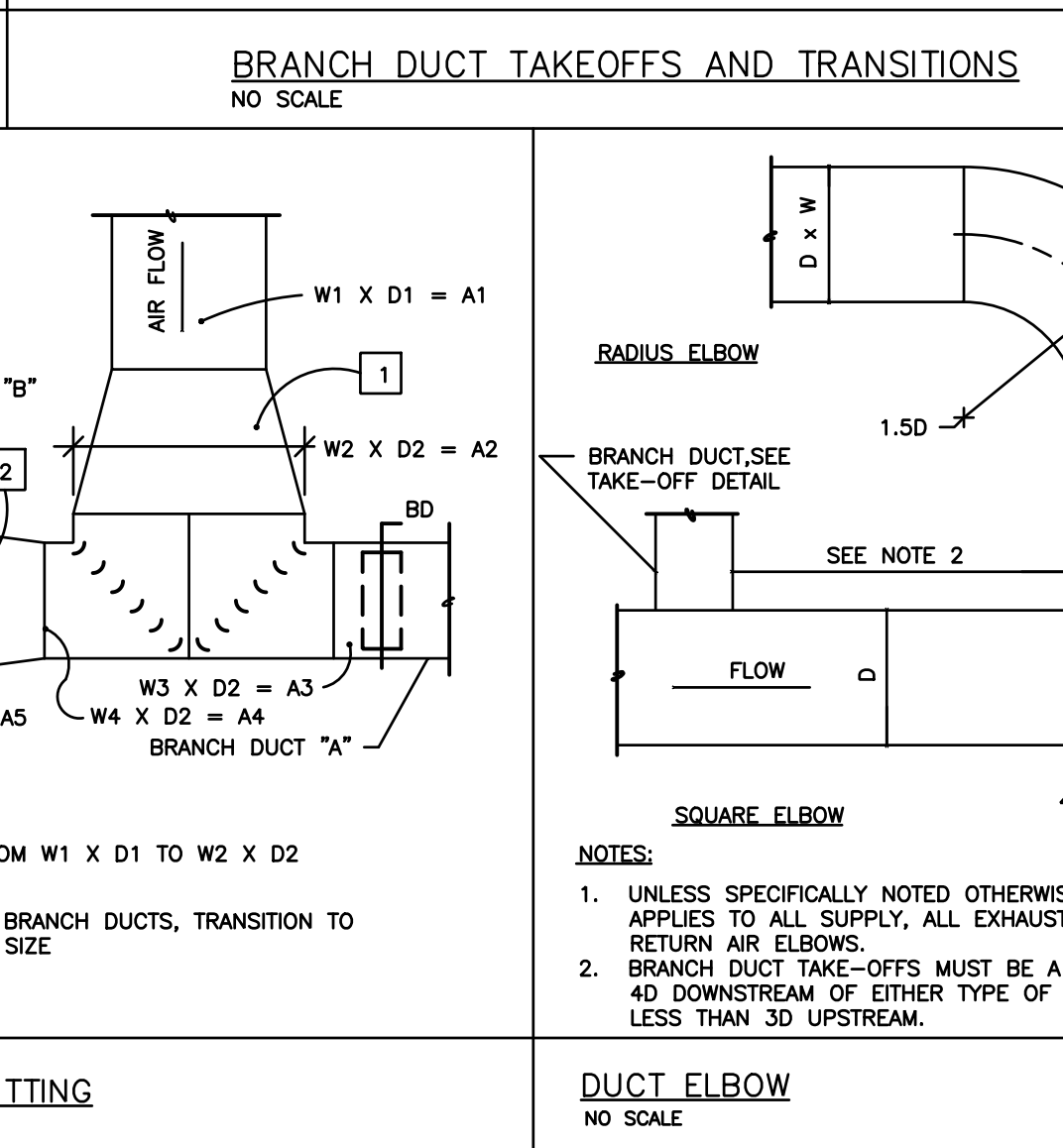
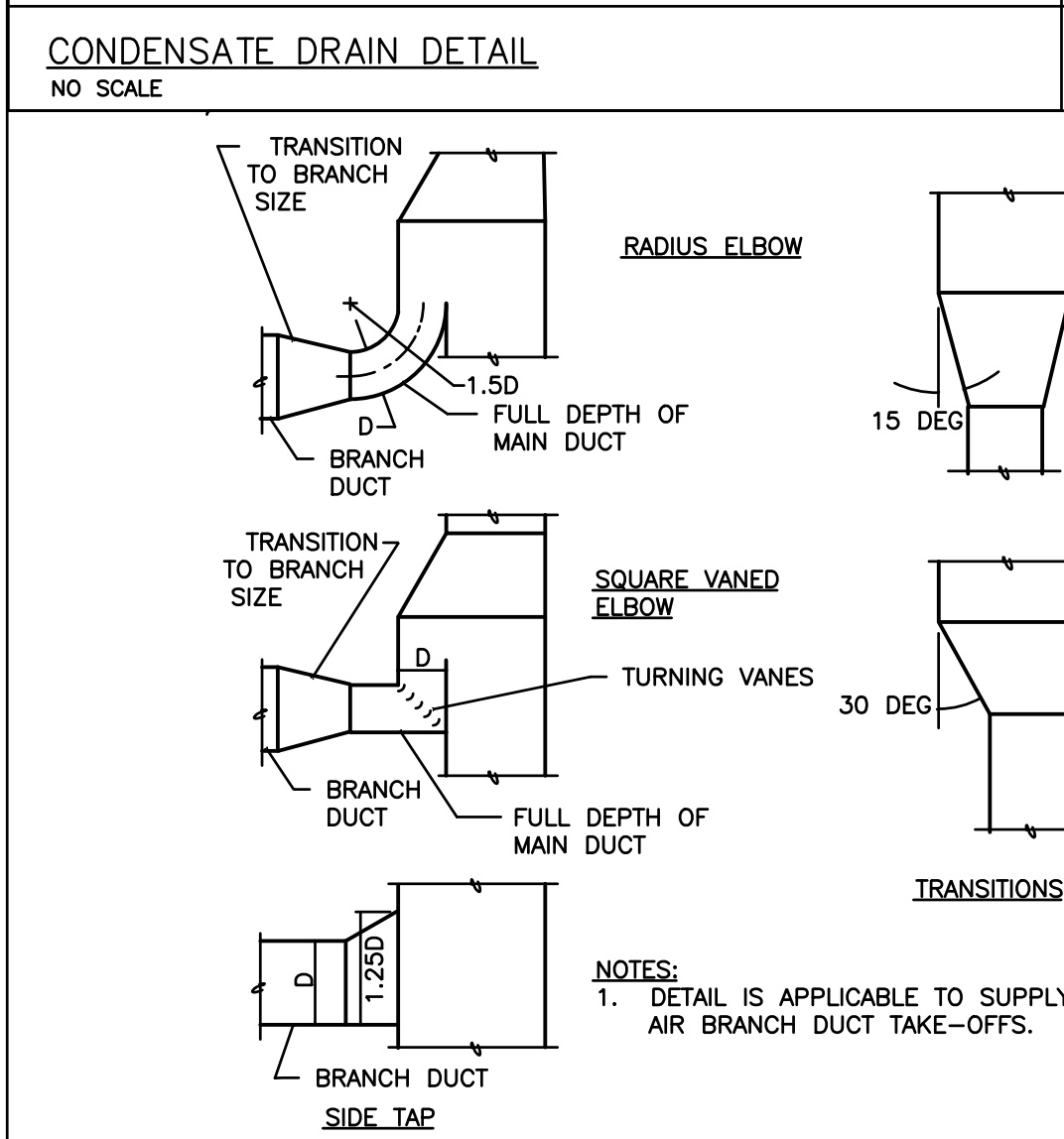
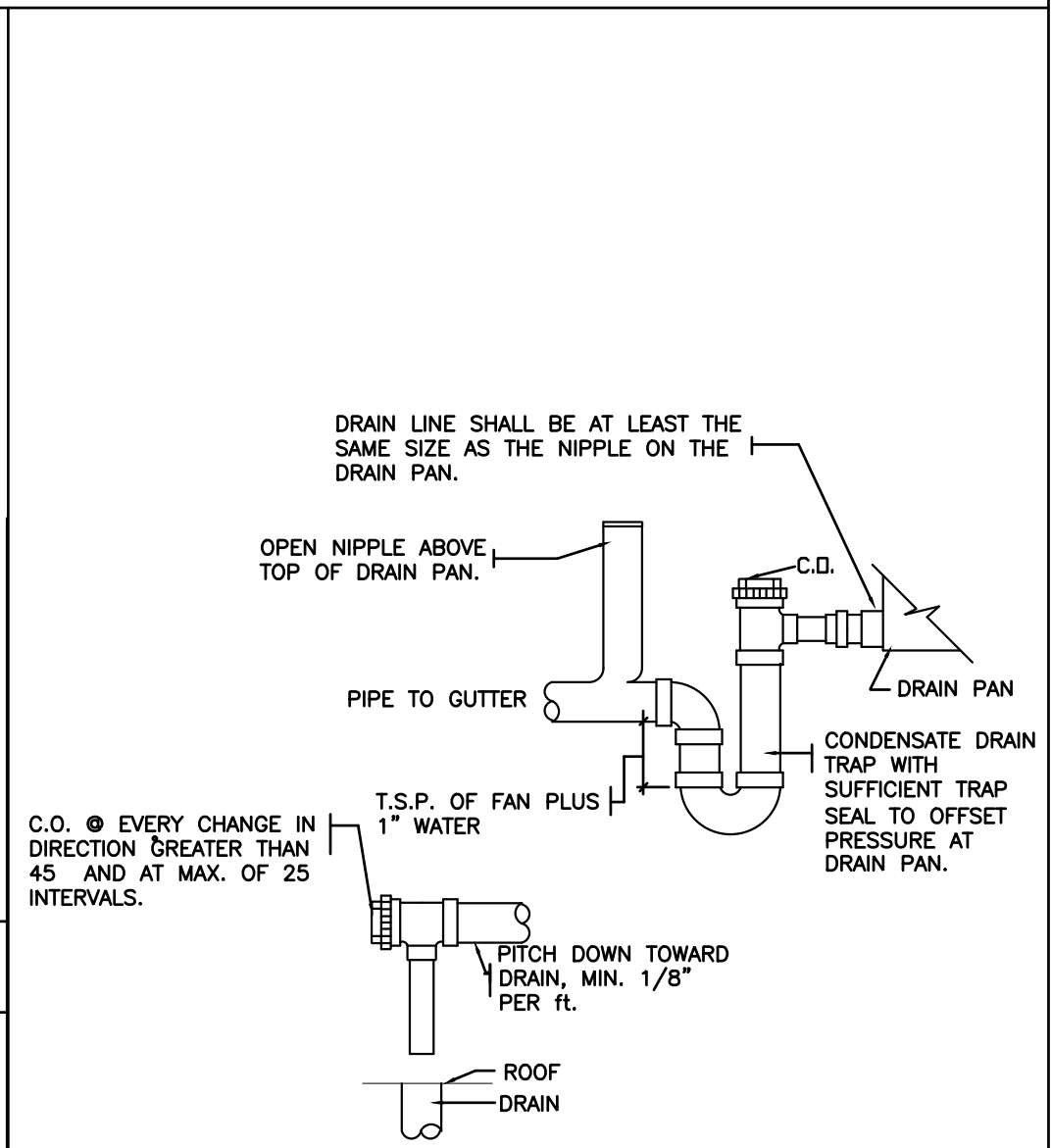
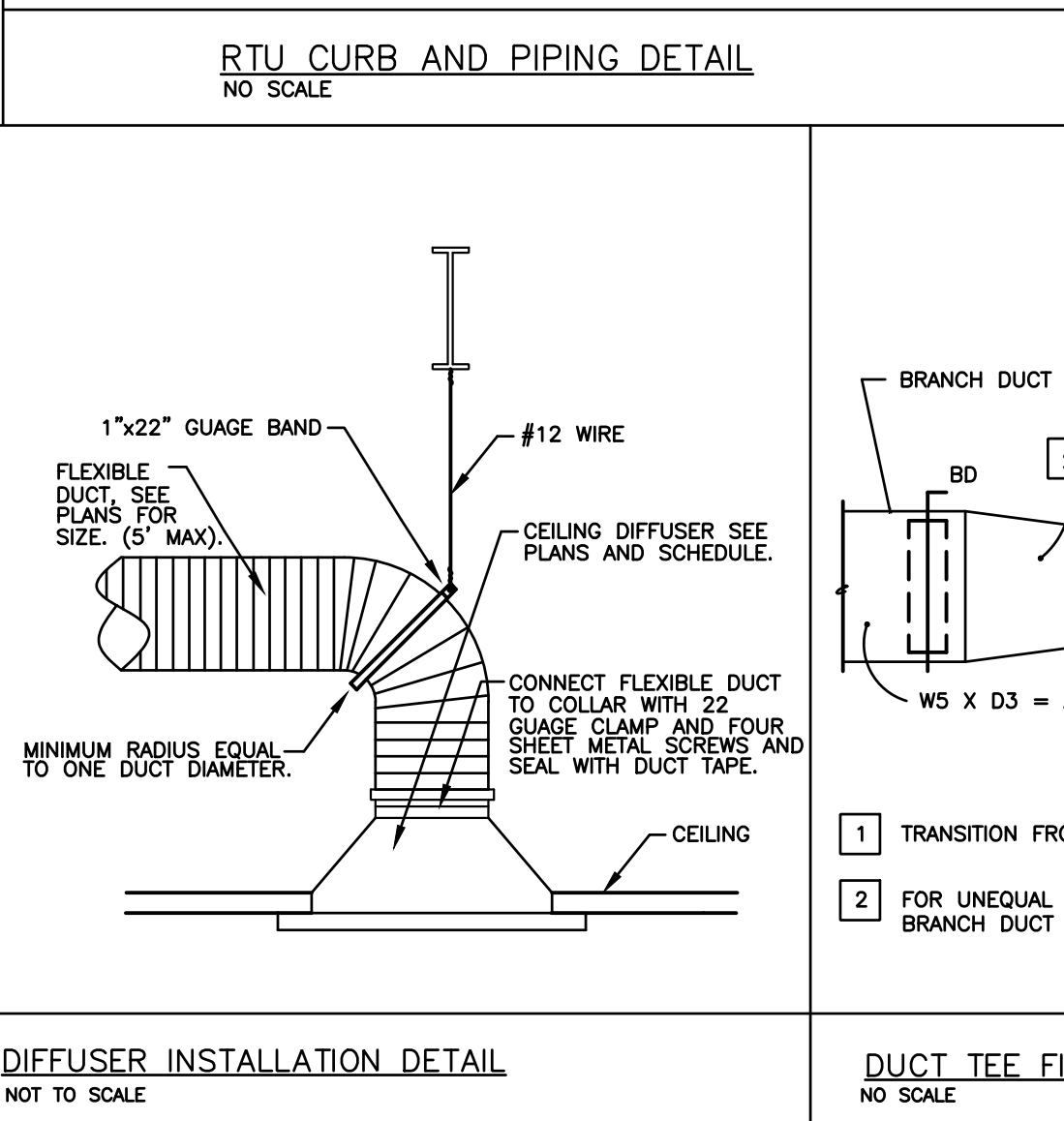
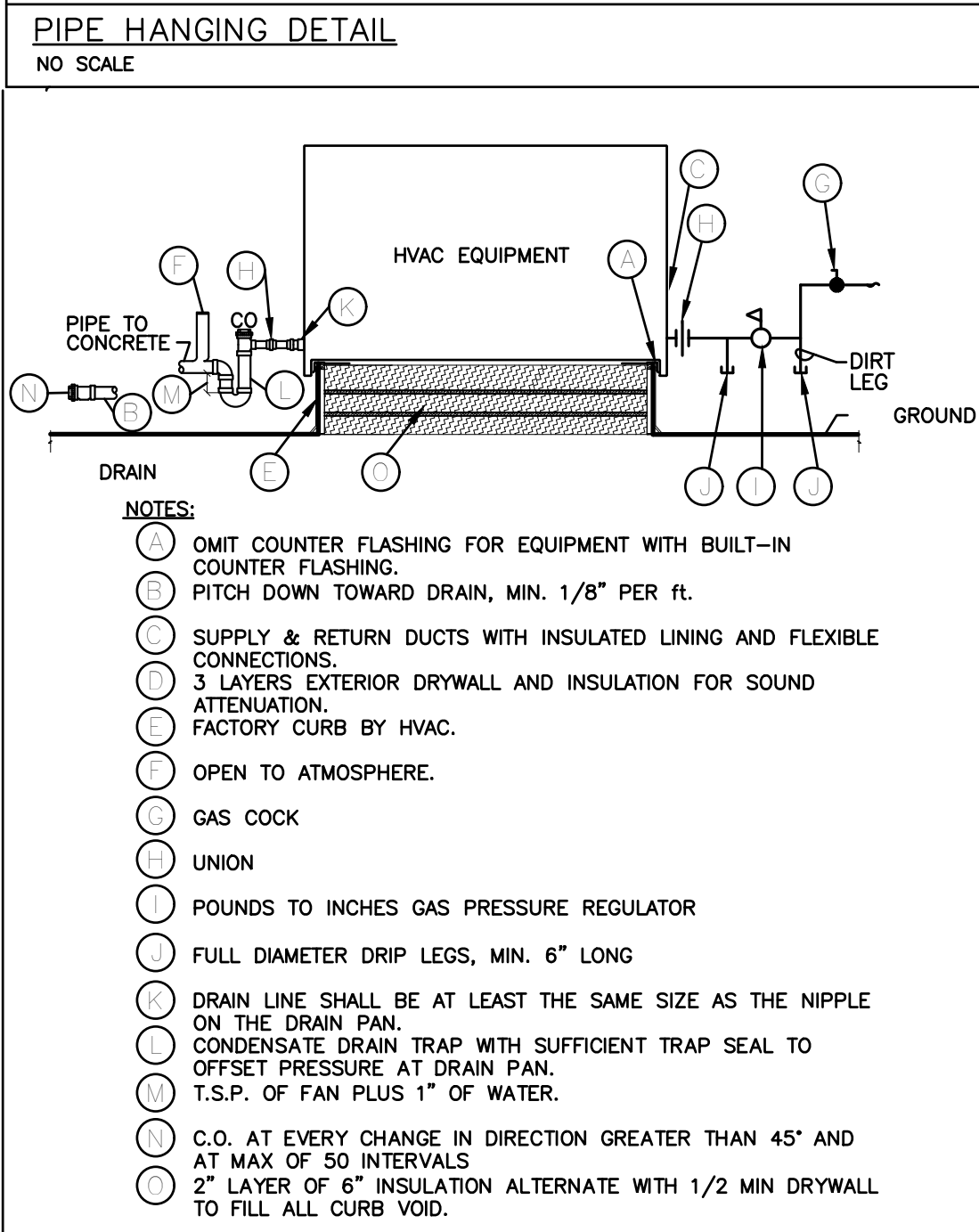
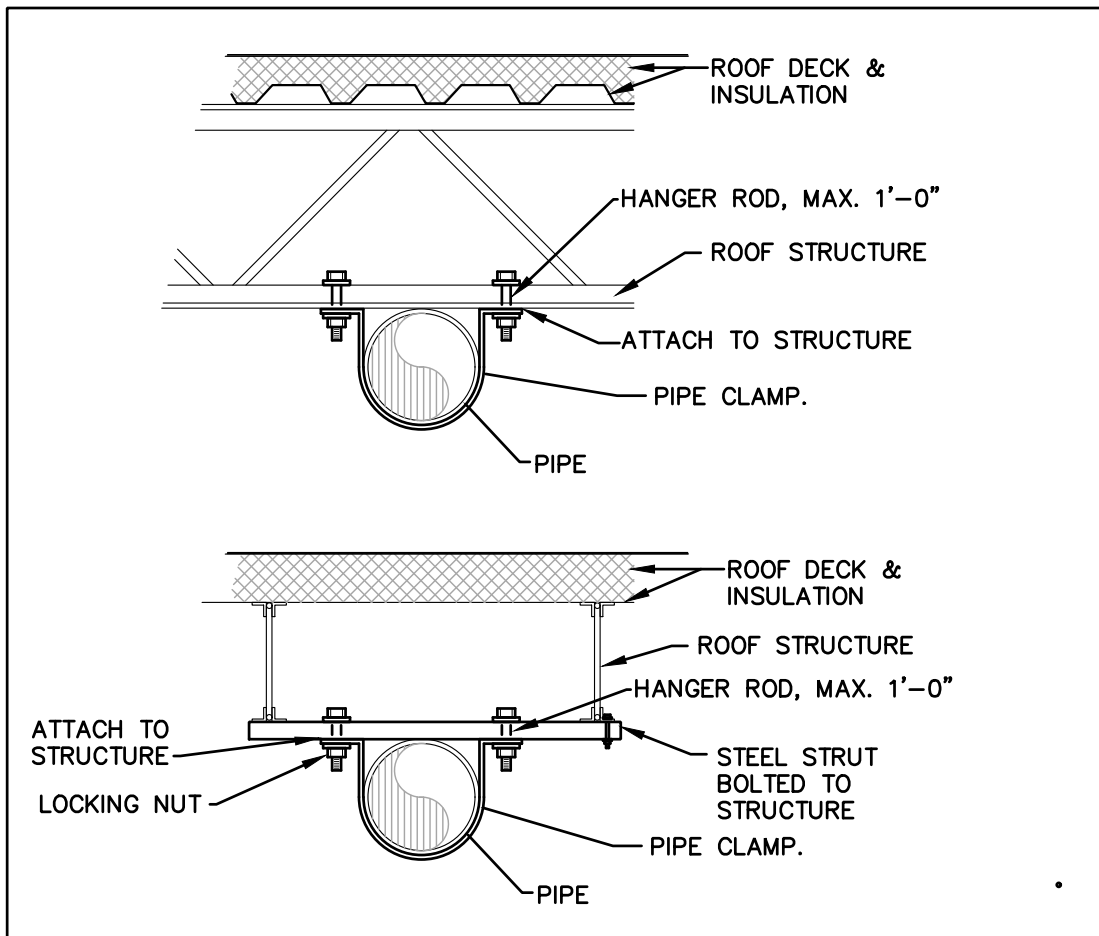


3 ROUND DUCT HANGER DETAIL
SCALE: NONE

CASE
Engineering Inc.

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CERTIFICATE OF AUTHORITY NO. E-2951

11/07/19 3:42:49 PM JERSEY MIKES - REGENCY PARK



CANOPY GRIDDLE HOOD (RIGHT UTILITY CABINET)

HOOD INFORMATION

MODEL	LENGTH	MAX. COOKING TEMP.	EXHAUST PLENUM RISER(S)							TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG.	
			TOTAL EXH. CFM	WIDTH	LENG.	HEIGHT	DIA.	CFM	VEL.	S.P.		END TO END	ROW
5424 ND-2-PSP-F	5' 0"	600 Deg.	1000			4'	10"	1000	1833	-0.363'	750	430 SS Where Exposed	ALONE

VERIFY CEILING HEIGHT

Height required to verify that the hood will fit and to size the enclosure panels

HOOD INFORMATION

FILTER(S)					LIGHT(S)					UTILITY CABINET(S)					FIRE SYSTEM PIPING	HOOD HANGING WGT
TYPE	QTY.	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY.	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM TYPE	SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY			
SS Baffle with Handles	3	16"	16"	30%	3	L55 Series E26	NO	Right	12"x54"x24"	Ansul R102	3.0	SC-111110FP	1 Light 1 Fan		YES	476 LBS

HOOD OPTIONS

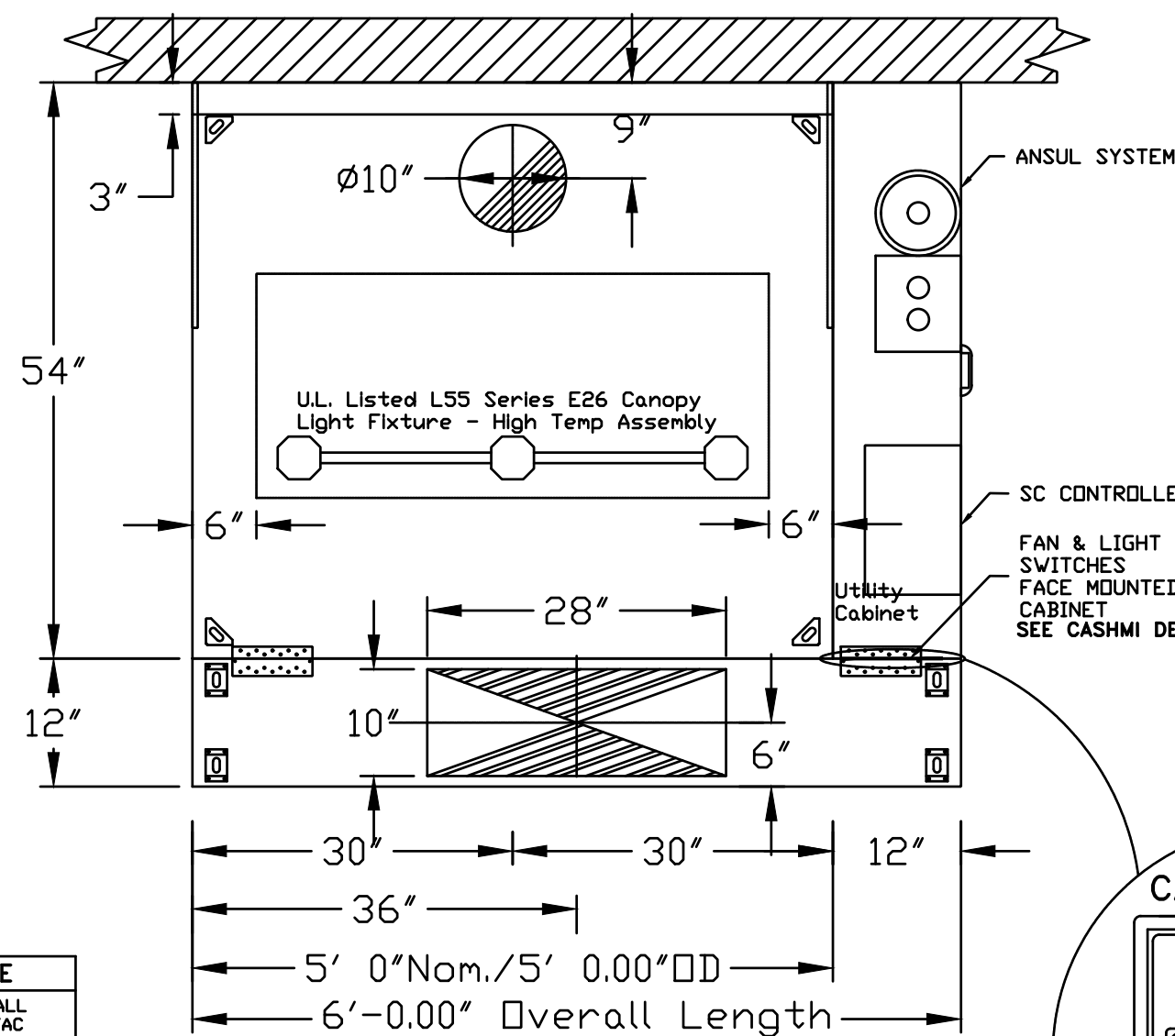
OPTION			
FIELD WRAPPER	18.00" High	Front, Left, Right	
BACKSPLASH	80.00" High X 72.00" Long	430 SS Vertical	
LEFT QUARTER END PANEL	23" Top Width, 0" Bottom Width, 23" High	430 SS	
RIGHT QUARTER END PANEL	23" Top Width, 0" Bottom Width, 23" High	430 SS	
RISER SENSOR INSTALL 6IN PLEN			

NOTE:

EXHAUST FAN IS SIZED FOR A MAXIMUM OF (3) 90 DEGREE RADIUS ELBOWS AND 25 FT. OF STRAIGHT DUCTWORK. PLEASE CONSULT CAPTIVEAIRE IF DUCTWORK EXCEEDS THE ABOVE REQUIREMENTS.

PERFORATED SUPPLY PLENUM(S)

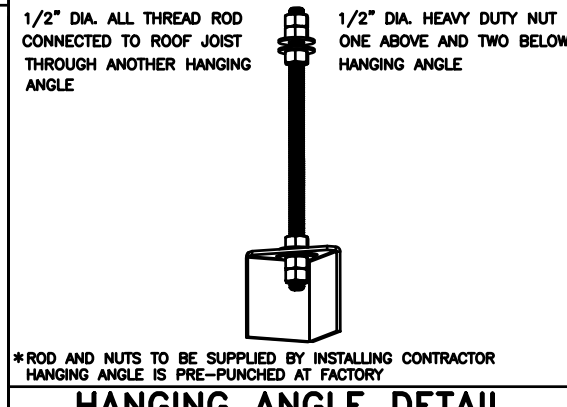
POS.	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)				
					WIDTH	LENG.	DIA.	CFM	S.P.
Front	72"	12"	6"	MUA	10"	28"		750	0.204"



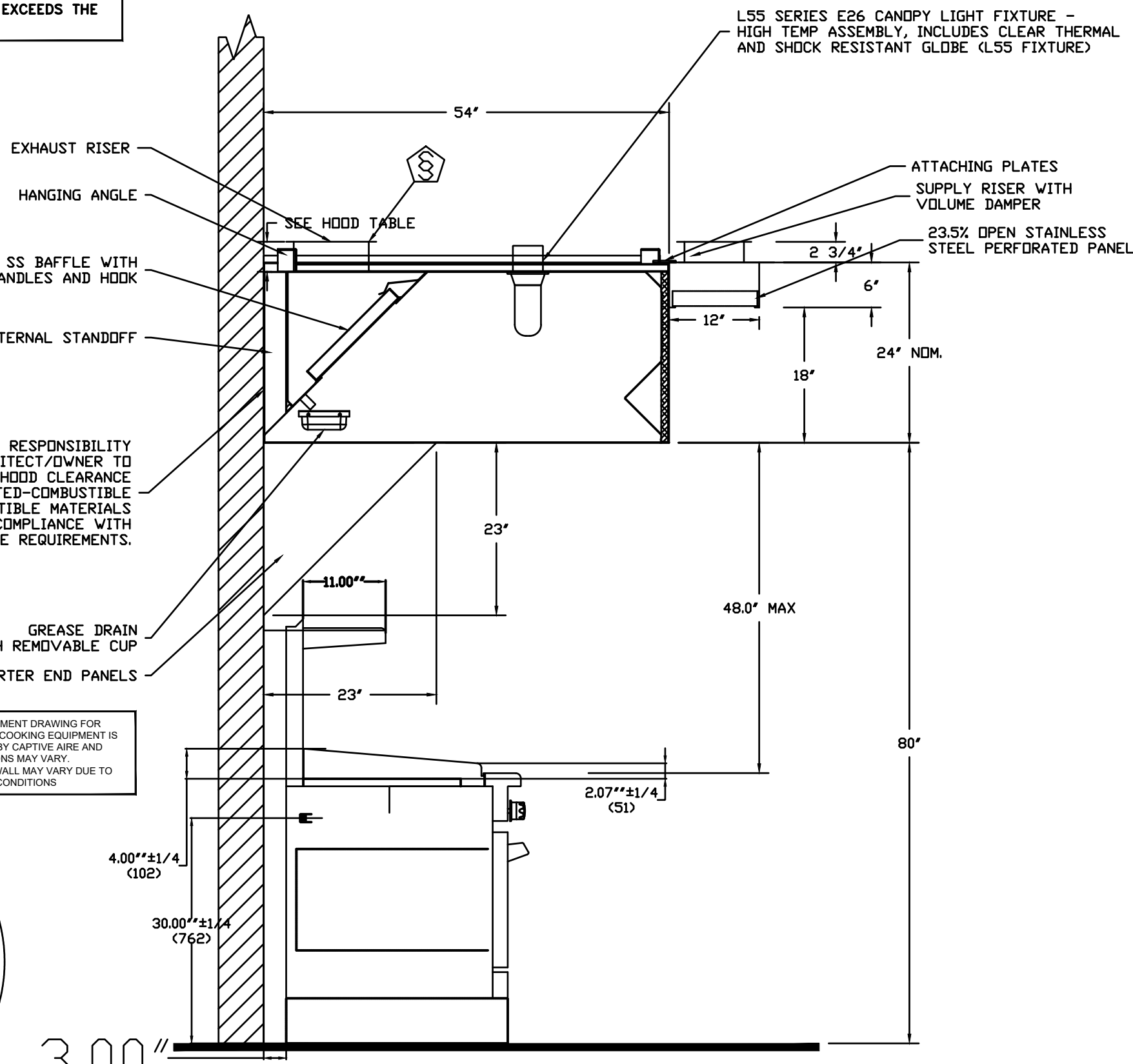
HVAC DISTRIBUTION NOTE
IT IS RECOMMENDED NOT TO INSTALL HIGH VELOCITY DIFFUSERS OR HVAC RETURNS WITHIN TEN (10) FEET OF THE EXHAUST HOOD. PERFORATED DIFFUSERS ARE RECOMMENDED.

ETL LISTING DESCRIPTION BLOCK

THE CAPTIVE AIRE MODEL ND-2 HAS BEEN U.L. 710 TESTED, LISTED, AND APPROVED TO EXHAUST A MINIMUM OF 200 CFM PER LINEAR FOOT OVER 600 DEGREE COOKING EQUIPMENT

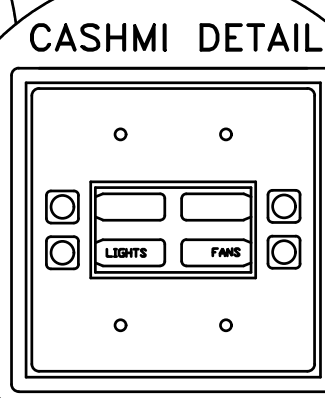


JOB	Jersey Mike's Subs
LOCATION	Overland Park, KS (Metcalfe Ave)
DATE	11/11/19
DWG #	1
REV.	
JOB #	4061301
DRAWN BY	MD-32
SCALE	Not To Scale

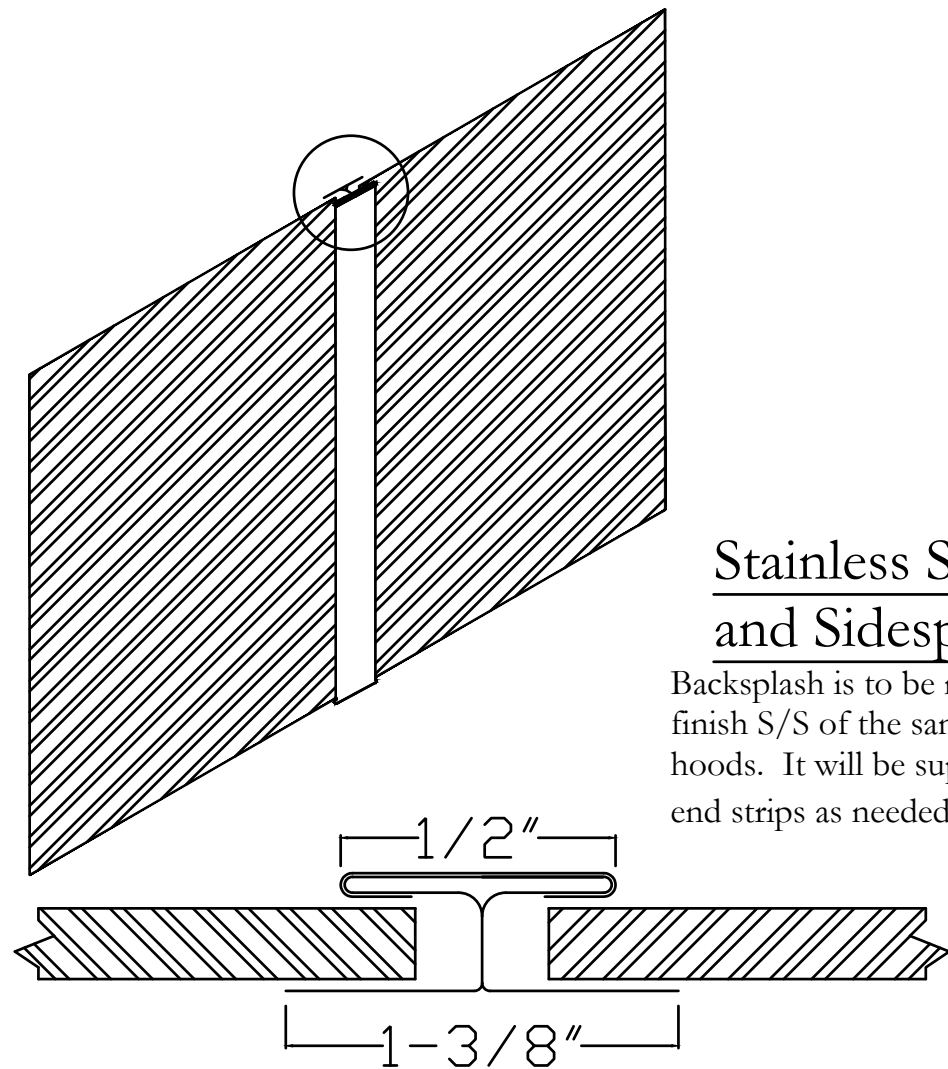


IT IS THE RESPONSIBILITY OF THE ARCHITECT/OWNER TO ENSURE THAT THE HOOD CLEARANCE FROM LIMITED-COMBUSTIBLE AND COMBUSTIBLE MATERIALS IS IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS.

COOKING EQUIPMENT DRAWING FOR REFERENCE ONLY. COOKING EQUIPMENT IS NOT PROVIDED BY CAPTIVEAIRE AND DIMENSIONS MAY VARY. DISTANCE FROM WALL MAY VARY DUE TO FIELD CONDITIONS.



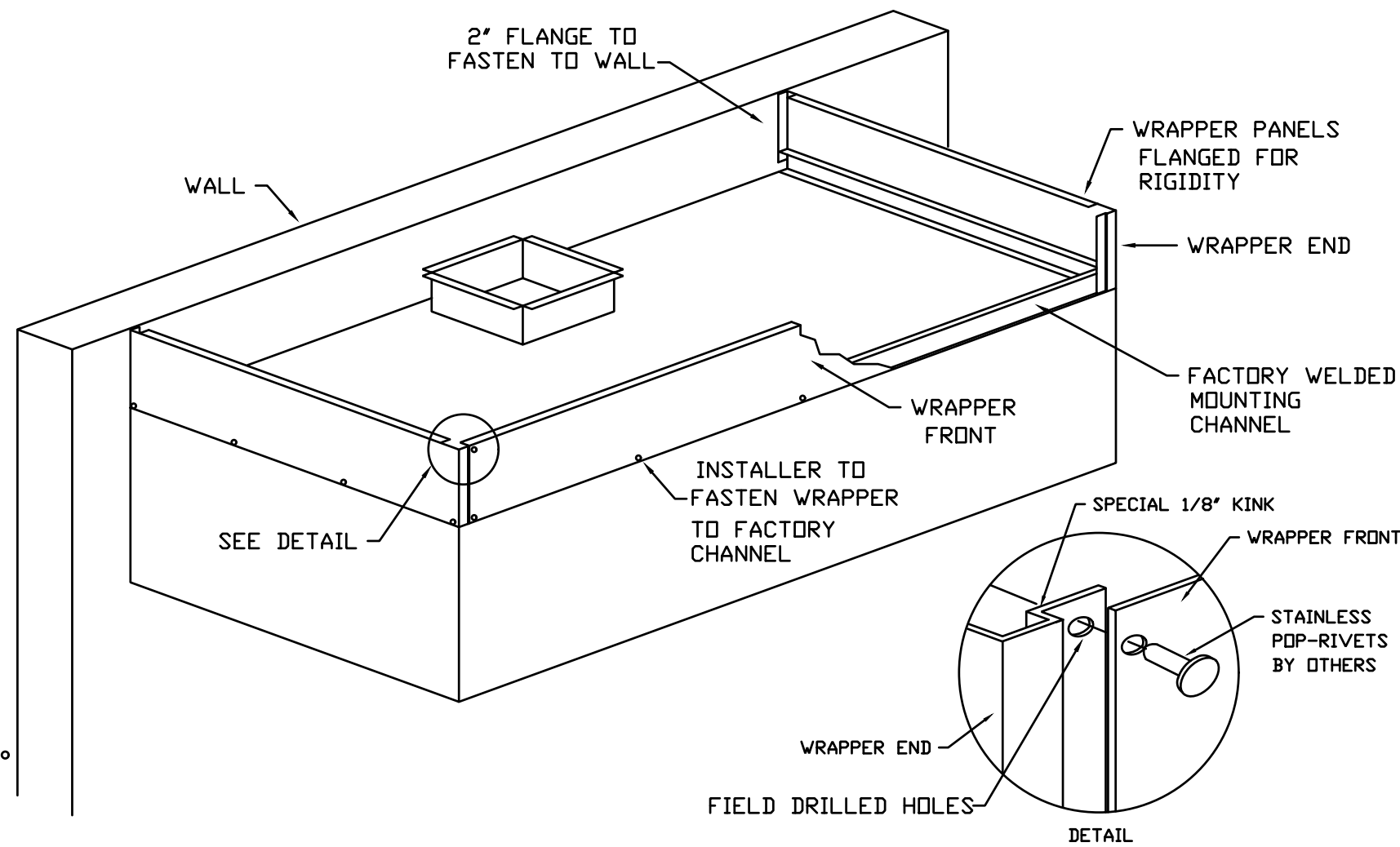
FIRE SYSTEM/INSTALLATION DETAILS



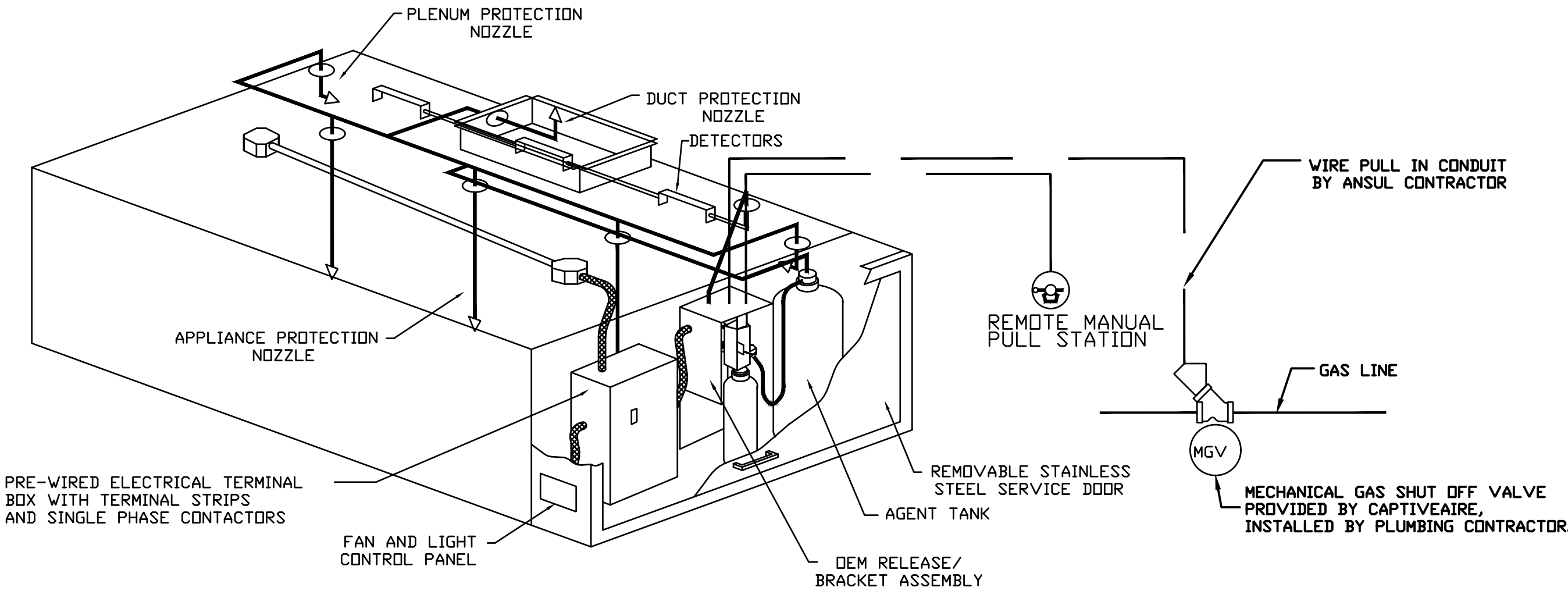
Stainless Steel Backsplash and Sidesplash

Backsplash is to be manufactured from #3 or #4 finish S/S of the same guage and material as the hoods. It will be supplied with Batton strips and end strips as needed to close all seams and edges.

Batton Strip Detail



FIELD WRAPPER



TYPICAL ANSUL R-102 SYSTEM LAYOUT

VERIFY GAS VALVE SIZE
" --- "

TYPICAL ANSUL R-102 SYSTEM LAYOUT



JOB	Jersey Mike's Subs
LOCATION	Overland Park, KS (Metcalf Ave)
DATE	11/11/19
DWG #	2
REV.	
JOB #	4061301
DRAWN BY	MD-32
SCALE	Not To Scale

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Engineering Inc.

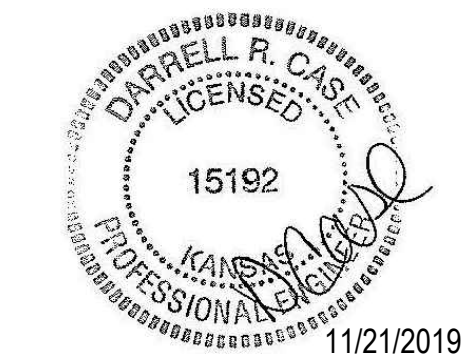
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F 636.349.1730
CERTIFICATE OF AUTHORITY NO. E-2951



JERSEY MIKE'S - REGENCY PARK
9220 Metcalf Ave
Overland Park, KS 66212

#	Description	Date
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PERMIT SET

Client Approval

Hood Drawing

Project #	43419-KS02
Issue Date	11/4/2019
Scale	As indicated
Drawn by	NGB
Checked by	

M3.2

11/07/19 3:42:07 PM JERSEY MIKE'S - REGENCY PARK

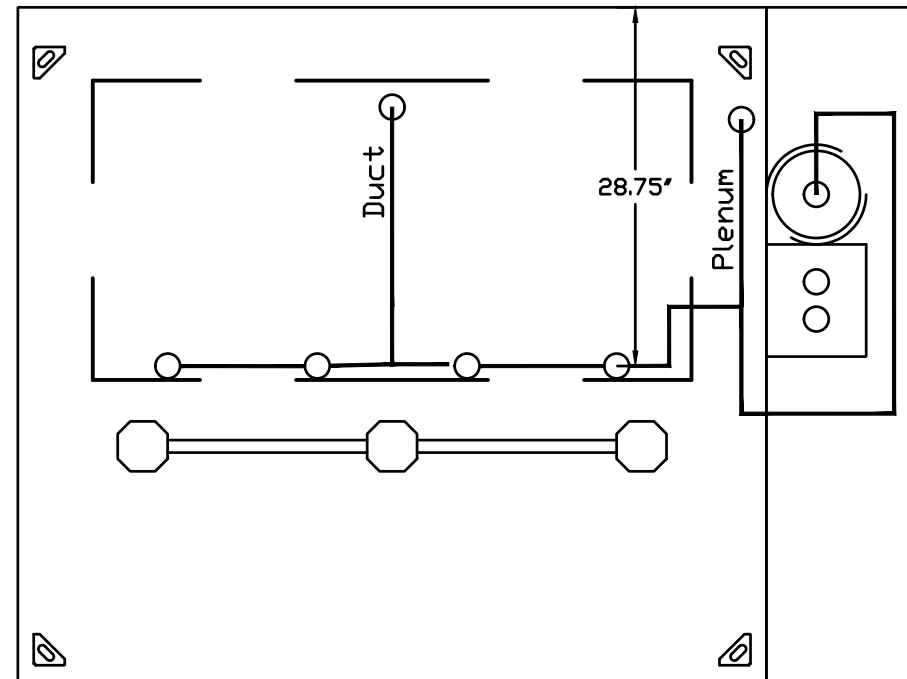
FIRE SYSTEM/INSTALLATION DETAILS

- NOTES
- FIELD PIPE DROPS AS SHOWN
 - SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS
 - RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVEING, SALAMANDERS, ETC.
 - MAXIMUM 9 ELBOWS IN SUPPLY LINE.
 - MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE.
 - IF APPLICABLE, PRE-PIPED CHARBROILER DROPS ARE SHIPPED LOOSE.
 - FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.
 - APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.
 - THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS

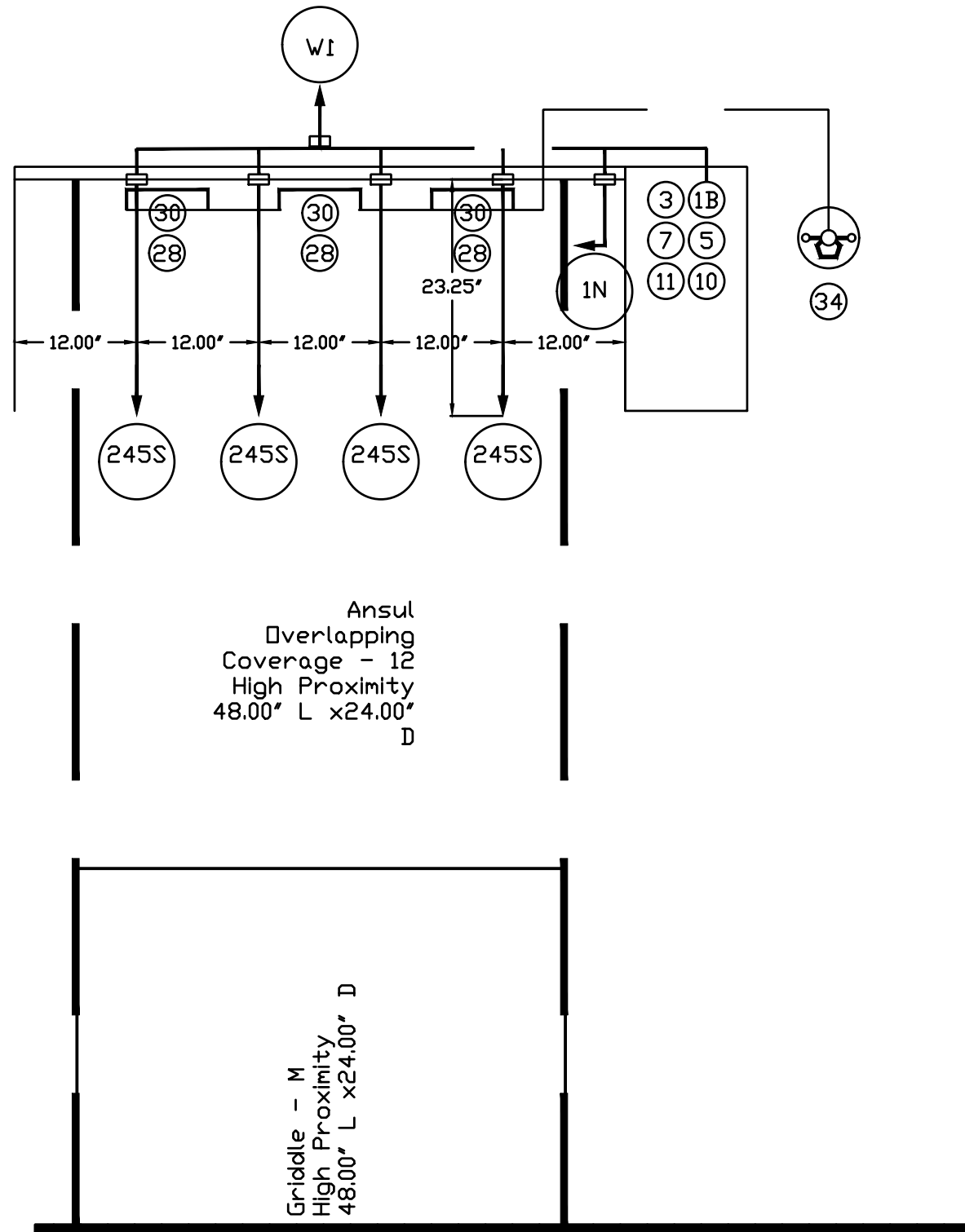
Job Name: Jersey Mike's - PROTOTYPE
Drawn By: DL-32
System Size: ANSUL-3.0 Total FP required: 10
Hood # 1 5' 0.00' Long x 54' Wide x 24' High
Riser # 1 Size: 10" Dia.
Hood # 1 Metal Blow-Off Caps included.

LEGEND - FIRE CABINET ANSUL SYSTEM

1.5 GALLON TANK	1A
3 GALLON TANK	1B
DEM AUTOMAN RELEASE	2
DEM REGULATED RELEASE	3
DEM REGULATED ACTUATOR	4
ANSULEX LIQUID AGENT (3 GAL.)	5
ANSULEX LIQUID AGENT (1.5 GAL.)	6
CARTRIDGE (101-20)	7
CARTRIDGE (101-10)	8
CARTRIDGE (101-30)	9
CARTRIDGE (LT-A-101-30)	9A
DOUBLE TANK CARTRIDGE	9B
TEST LINK	10
DOUBLE MICROSWITCH	11
HOSE ASSEMBLY	12
DUCT NOZZLE (430913)	1100
DUCT NOZZLE (419337)	2W
NOZZLE ASSEMBLY (419336)	1W
NOZZLE ASSEMBLY (419333)	1F
NOZZLE ASSEMBLY (419335)	1N
NOZZLE ASSEMBLY (419334)	1/2N
NOZZLE ASSEMBLY (419338)	3N
NOZZLE ASSEMBLY (419340)	245
NOZZLE ASSEMBLY (419339)	230
NOZZLE ASSEMBLY (419343)	2120
NOZZLE ASSEMBLY (419342)	290
NOZZLE ASSEMBLY (419341)	260
DETECTOR BRACKET	28
LOW TEMP FUSIBLE LINK	29
HIGH TEMP FUSIBLE LINK	30
MECHANICAL GAS VALVE	MGV
ELECTRICAL GAS VALVE	EGV
REMOTE MANUAL PULL STATION	34
SWIVEL ADAPTOR	S



Model: ND-2-PSP-F Size: 54'x24' Length: 5' 0"



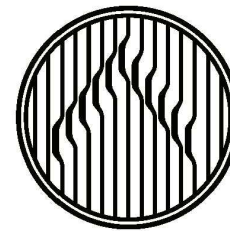
CAPTIVE FIRE

JOB	Jersey Mike's Subs	
LOCATION	Overland Park, KS (Metcalf Ave)	
DATE	11/11/19	JOB # 4061301
DWG #	3	DRAWN BY MD-32
REV.		SCALE Not To Scale

CASE
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CERTIFICATE OF AUTHORITY NO. E-2951

Oculus Inc.
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ARCHITECTURE • INTERIOR DESIGN • PLANNING
750 N. ST. PAUL STREET | SUITE 1425 DALLAS, TX 75201
(214) 387-0305



JERSEY MIKE'S - REGENCY
PARK

9220 Metcalf Ave
Overland Park, KS 66212

#	Description	Date
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11/21/2019

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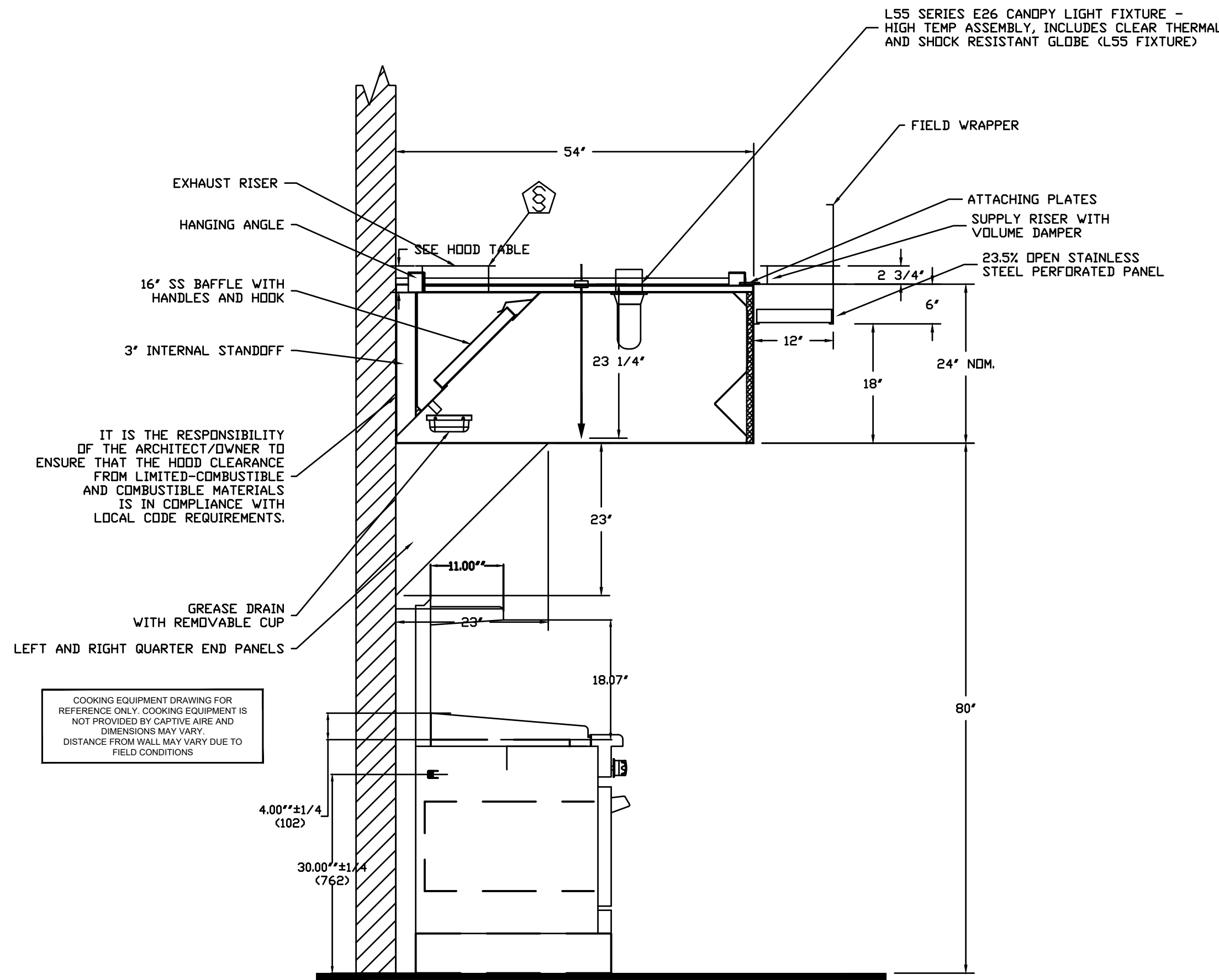
Client Approval

Hood
Drawing

Project #	43419-KS02
Issue Date	11/4/2019
Scale	As indicated
Drawn by	NGB
Checked by	

M3.3

ANSUL APPLIANCE PROTECTION DETAILS



SECTION VIEW - MODEL 5424ND-2-PSP-F
HOOD - #1

DUCT NOZZLE AND
PLENUM SPRAY BAR LOCATION

  	CAPTIVE FIRE		<i>JOB</i> Jersey Mike's Subs	
			<i>LOCATION</i> Overland Park, KS (Metcalf Ave)	
			<i>DATE</i> 11/11/19	<i>JOB #</i> 4061301
			<i>DWG #</i> 4	<i>DRAWN BY</i> MD-32
			<i>REV.</i>	<i>SCALE</i> Not To Scale

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CERTIFICATE OF AUTHORITY NO. E-2951

GRIDDLE FAN (CANOPY HOOD)

EXHAUST FAN INFORMATION

FAN UNIT MODEL #	MODEL	CFM	ESP.	RPM	HP.	#	VOLT	FLA	WEIGHT (LBS.)	SDNES
DUS0HFA	DUS0HFA	1000	1.000	1471	0.500	1	115	8.4	84	15.3

FAN OPTIONS

1 - Grease Box

CURB ASSEMBLIES

ON FAN	WEIGHT	ITEM	SIZE
DUS0HFA	38 LBS	Curb	19.500"V x 19.500"L x 26.000"H Vented Hinged

VERIFY ROOF PITCH

PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE

IF ROOF INSULATION THICKNESS IS GREATER THAN 7.5" PLEASE CONTACT CAPTIVEAIRE TO EITHER ORDER TALLER CURBS OR WINDBAND EXTENSION

ATTENTION!

INSTALLER MUST READ LABEL NEAR DISCONNECT SWITCH!

MESSAGE ON LABEL:

"INSTALLER SHOULD SUPPLY ENOUGH ELECTRICAL CORD TO LET FAN MAKE COMPLETE SWING"

FEATURES:

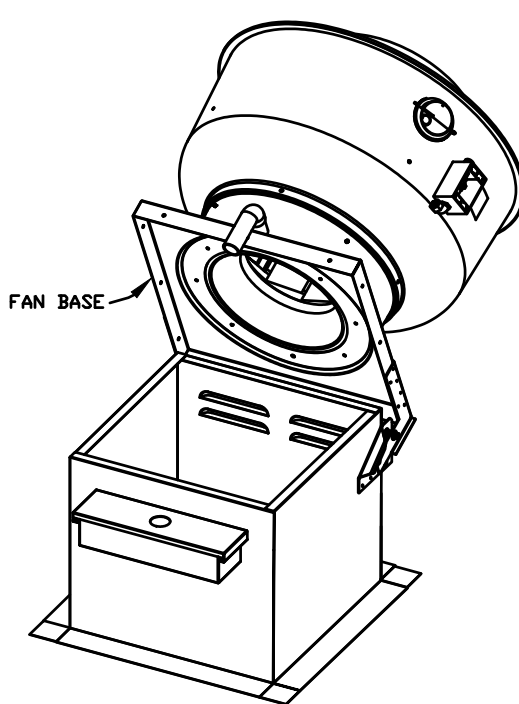
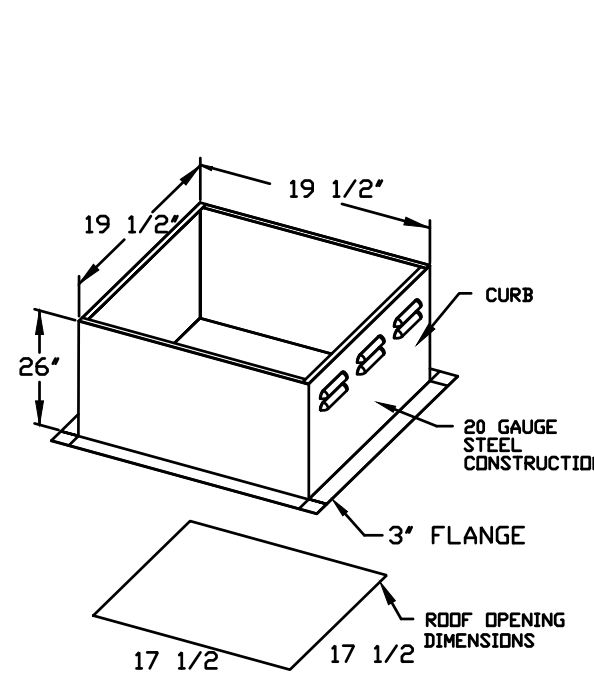
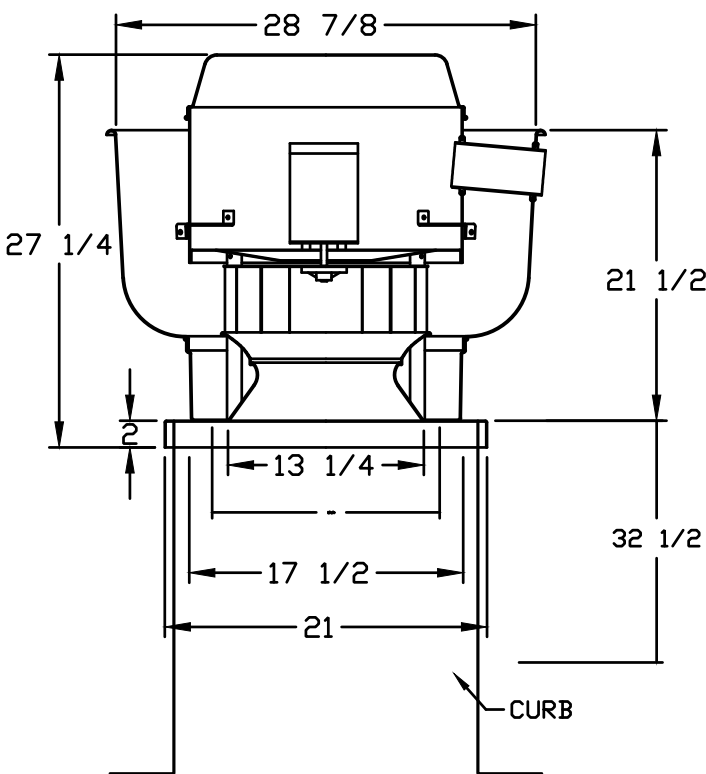
- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL705 AND UL762
- VARIABLE SPEED CONTROL
- INTERNAL WIRING
- WEATHERPROOF DISCONNECT
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE)
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS:
GREASE BOX

FAN BL DUS0HFA - EXHAUST FAN



CAPTIVEAIRE

JOB	Jersey Mike's Subs
LOCATION	Overland Park, KS (Metcalfe Ave)
DATE	11/11/19
DWG #	5
REV.	SCALE Not To Scale

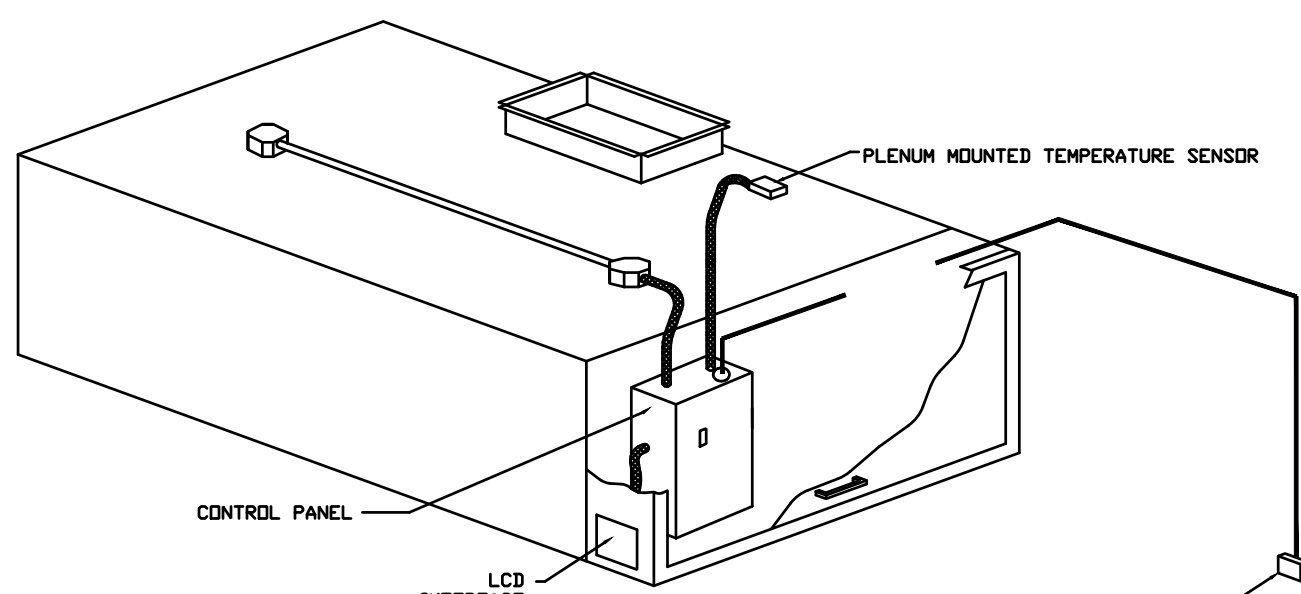
ELECTRICAL PACKAGES

REL	TAG	PACKAGE #	LOCATION	SWITCHES	QUANTITY	OPTION	FANS CONTROLLED
1		SC-11111FP	Right Utility Cabinet	Right Utility Cabinet	1 Fan	Smart Controls Thermostatic Control	DOWN

ROOM TEMPERATURE SENSOR

The Room Temperature sensor is a 10K Ohm Thermistor. The sensor provides constant room temperature to the controller. It should be installed on a wall somewhere in the space but not directly under the hood or close to an appliance so that the reading is not affected by heat.

Typically a system will have one room temperature sensor. However, systems configured with 2 fan zones have the option to be ordered with 2 room temperature sensors, one for each zone. They should be mounted in the space accordingly.



TYPICAL HOOD CONTROL PANEL INSTALLATION

SEQUENCE OF OPERATION - HOOD CONTROLS ELECTRICAL PACKAGE FP SERIES

Once all power, light and temperature sensor circuits are properly landed on the control terminal block the LCD interface will be illuminated. All temperature readings are measured by resistive temperature sensors (thermistors) installed in each hood exhaust riser. The room temperature sensor is installed in the space to measure ambient air temperature.

Two methods to activate system:

Manual activation:
Operator presses the fan button to energize starter(s) and start the exhaust fan(s). Supply fan(s), if present, will be activated by factory pre-wired interlock.

Automatic activation:
Turn on cooking appliances. Exhaust fan(s) (and supply fan(s), if present) will automatically energize when duct temperature exceeds pre-set differential with respect to ambient temperature. (Factory setpoint differential = 10 degrees F) adjustable at the end of the day, after cooking operations have ceased, the fan(s) will shut off when the duct temperature falls below the setpoint differential.

FIRE CONDITION:
IN THE EVENT OF A FIRE, A SIGNAL IS SENT ACROSS THE NORMALLY OPEN DRY CONTACT OF THE FIRE SUPPRESSION SYSTEM MICROSWITCH (INTERLOCKED WITH HOOD CONTROL PANEL BY ELECTRICIAN). EXHAUST FAN(S) TO REMAIN RUNNING. SUPPLY FAN(S) TO DE-ENERGIZE. LIGHTING CIRCUIT(S) TO DE-ENERGIZE. GAS/ELECTRIC TO SHUT OFF. MICROSWITCH MUST BE RESET PRIOR TO RESUMPTION OF NORMAL OPERATION.



CAPTIVEAIRE

JOB	Jersey Mike's Subs
LOCATION	Overland Park, KS (Metcalfe Ave)
DATE	11/11/19
DWG #	7
REV.	SCALE Not To Scale

HEATED SUPPLY FAN (DOWN DISCHARGE)

MUA FAN INFORMATION

FAN UNIT MODEL #	BLDWER	HOUSING	MIN CFM	DESIGN CFM	ESP.	RPM	HP.	B.H.P.	#	VOLT	FLA	WEIGHT (LBS.)	SDNES
D76	G7D	D6	600	750	0.400	1473	1.000	.2710	1	115	11.6	327	15.7

GAS FIRED MAKE-UP AIR UNIT(S)

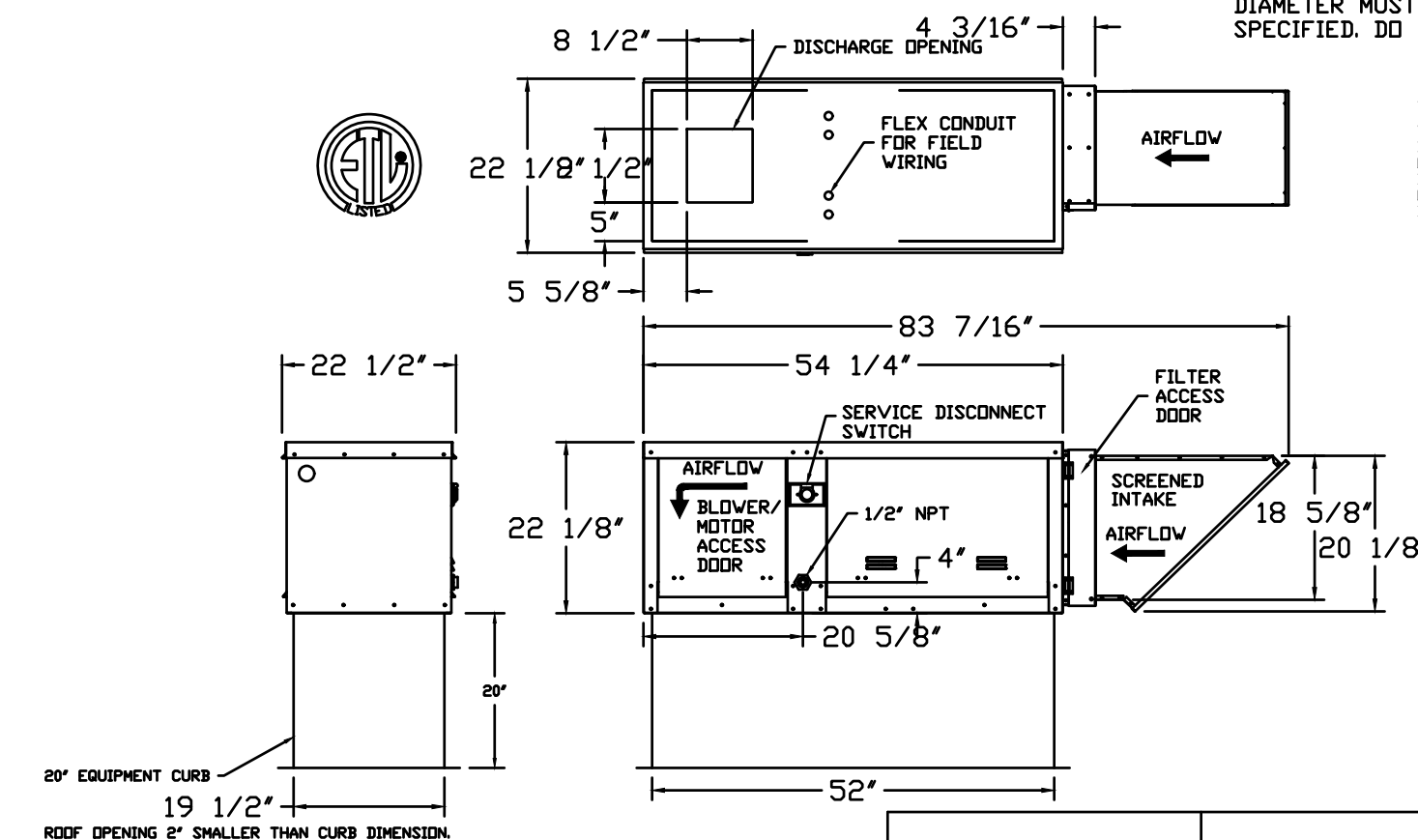
INPUT BTU/h	OUTPUT BTU/h	TEMP. RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE
39218	36081	59 deg F	7 in. w.c. - 14 in. w.c.	Natural

FAN OPTIONS

OPTION (Qty. - Descr.)
1 - AC Interlock Relay - 24VAC Coil
1 - Inlet Pressure Gauge, 0-35"
1 - Manifold Pressure Gauge, -5 to 15" w.c.
1 - ECM Wiring Package-Supply - Manual or 0-10VDC Reference Speed Control ONDEC Motor
1 - Motorized Intake Damper (G76)
1 - Freezestat (G7)

CURB ASSEMBLIES

WEIGHT	ITEM	SIZE
50 LBS	Curb	19.500"V x 52.000"L x 20.000"H Insulated



D76D HEATER

1. LOW CFM DIRECT FIRED HEATER. DIRECT DRIVE.
2. INTAKE HOOD WITH E2 FILTERS
3. DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT
4. COOLING INTERLOCK RELAY, 24VAC COIL. 120V CONTACTS. LOCKS OUT BURNER CIRCUIT WHEN AC IS ENERGIZED.
5. GAS PRESSURE GAUGE, 0-35", 2.5" DIAMETER, 1/4" THREAD SIZE
6. GAS PRESSURE GAUGE, -5 TO +15 INCHES VC, 2.5" DIAMETER, 1/4" THREAD SIZE
7. ECM WIRING PACKAGE AND MANUAL OR 0-10VDC CONTROL FOR SUPPLY ECM MOTORS.
8. RTC CONTROLLER
9. MOTORIZED BACK DRAFT DAMPER 13" X 17" FOR D76 COMPACT DIRECT FIRED HEATERS W/EXTENDED SHAFT, STANDARD GALVANIZED CONSTRUCTION, 3/4" REAR FLANGE, 7F120S ACTUATOR INCLUDED
9. FREEZESTAT WITH 10' SENSOR. FACTORY SET AT 35°F AND 10 MINUTES.

NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH EQUAL TO THREE TIMES THE SUPPLY DUCT EQUIVALENT DIAMETER MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE UNLESS OTHERWISE SPECIFIED. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY.

SUPPLY SIDE HEATER INFORMATION:
WINTER TEMPERATURE = 15°F, TOP SIZE = 39°F.
BTU/h CALCULATED OFF ACTUAL AIR DENSITY.
OUTPUT BTU/h AT ALTITUDE OF 60 ft. = 37819
INPUT BTU/h AT ALTITUDE OF 60 ft. = 4089
OUTPUT BTU/h AT ALTITUDE OF 1296 ft. = 36608
INPUT BTU/h AT ALTITUDE OF 1296 ft. = 39219

VERIFY ROOF PITCH

PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE

24VAC Coil - Signal From Condenser

Call For Cooling Interlock

MAKEUP AIR UNIT	27	KITCHEN RTU CONDENSER	28
-----------------	----	-----------------------	----

NOTE: THIS CONNECTION WILL LOCK OUT THE MUA BURNER CIRCUIT WHEN A/C IS BEING SUPPLIED TO THE SPACE

MUA/ RTU INTERLOCK DETAIL (BY ELECTRICIAN)



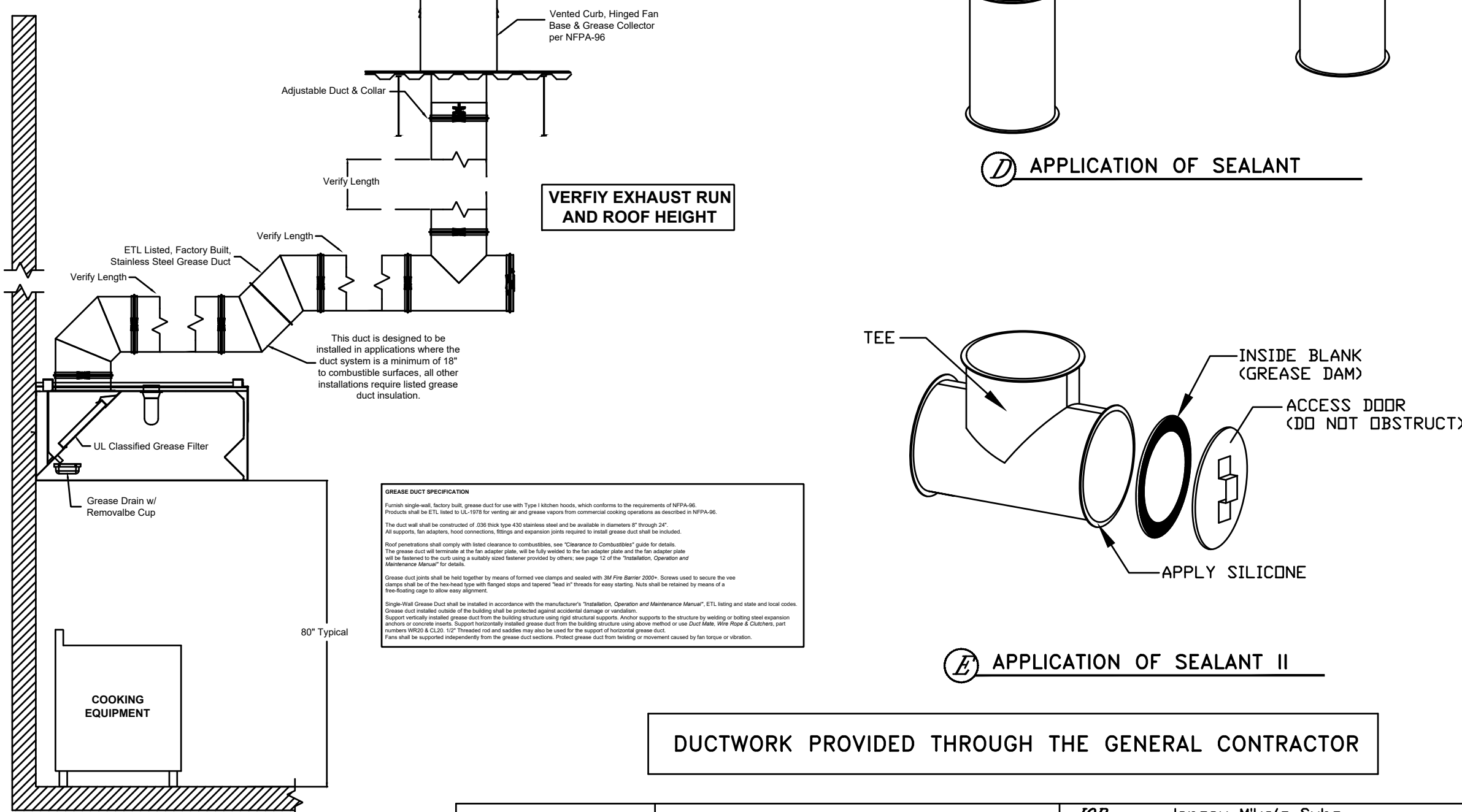
CAPTIVEAIRE

JOB	Jersey Mike's Subs
LOCATION	Overland Park, KS (Metcalfe Ave)
DATE	11/11/19
DWG #	6
REV.	SCALE Not To Scale

GRIDDLE HOOD DUCTWORK

PLEASE CONTACT
DAVID.LONG@CAPTIVEAIRE.COM
FOR A CUSTOM 3D
DUCT DRAWING

CAPTIVEAIRE LISTED GREASE DUCTWORK IS PROVIDED BY GENERAL CONTRACTOR, CONTACT Reg32na@captivaire.com 900-988-0881 FOR PROCUREMENT



DUCTWORK PROVIDED THROUGH THE GENERAL CONTRACTOR



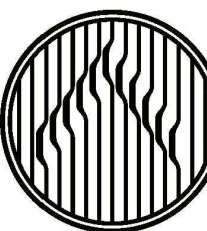
CAPTIVEAIRE

JOB	Jersey Mike's Subs
LOCATION	Overland Park, KS (Metcalfe Ave)
DATE	11/11/19
DWG #	8
REV.	SCALE Not To Scale

CASE
Engineering Inc.

796 Menus Court
St. Louis, MO 63026
T 636.349.1600
F 636.349.1730
CERTIFICATE OF AUTHORITY NO. E-2951

Oculus Inc.
CONNECT • SHAPE • MOVE



750 N. ST. PAUL STREET | SUITE 1025 DALLAS, TX 75201
(214) 397-0305



JERSEY MIKE'S - REGENCY PARK

9220 Metcalfe Ave
Overland Park, KS 66212

Description Date

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PERMIT SET

Client Approval

Hood
Drawing

Project # 43419-KS02

Issue Date 11/14/2019

Scale As indicated

Drawn by NGB

Checked by

M3.5

GRIDDLE HOOD DUCTWORK

GREASE DUCT & CHIMNEY SPECIFICATIONS:
PROVIDE GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW" ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK. MODEL "DW" IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "DW" DOES NOT REQUIRE WELDING PROVIDING IT HAS BEEN INSTALLED PER THE MANUFACTURER'S INSTALLATION GUIDE.
PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER.
PER MANUFACTURER'S LISTING MODEL "DW" HORIZONTAL RUNS LESS THAN 75 FT. CAN BE SLOPED 1/16" PER 12". HORIZONTAL RUNS MORE THAN 75 FT. CAN BE SLOPED 3/16" PER 12".
DUCT SHOULD BE SLOPED AS MUCH AS POSSIBLE TO REDUCE THE CHANCE OF GREASE ACCUMULATION IN HORIZONTAL RUNS.

IF THE DUCT OR CHIMNEY IS WITHIN 18 INCHES OF COMBUSTIBLE MATERIAL, PROVIDE UL-2221 OR UL-103 HT LISTED DOUBLE WALL GREASE DUCT OR DOUBLE WALL CHIMNEY EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW" 2R, 2R TYPE HT, 3R, OR 32" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.

CUSTOMER APPROVAL TO MANUFACTURE:



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Approved with NO Exception Taken	<input type="checkbox"/>
Revise and Resubmit	<input type="checkbox"/>
SIGNATURE	
Your Title	Date

CLEARANCE TO COMBUSTIBLES			
DIAMETER	COMBUSTIBLES	LIMITED COMBUSTIBLES	NON COMBUSTIBLES
18"	18"	18"	18"
24"	24"	24"	24"
30"	30"	30"	30"
36"	36"	36"	36"
42"	42"	42"	42"
48"	48"	48"	48"
54"	54"	54"	54"
60"	60"	60"	60"
66"	66"	66"	66"
72"	72"	72"	72"
78"	78"	78"	78"
84"	84"	84"	84"
90"	90"	90"	90"
96"	96"	96"	96"
102"	102"	102"	102"
108"	108"	108"	108"
114"	114"	114"	114"
120"	120"	120"	120"
126"	126"	126"	126"
132"	132"	132"	132"
138"	138"	138"	138"
144"	144"	144"	144"
150"	150"	150"	150"
156"	156"	156"	156"
162"	162"	162"	162"
168"	168"	168"	168"
174"	174"	174"	174"
180"	180"	180"	180"
186"	186"	186"	186"
192"	192"	192"	192"
198"	198"	198"	198"
204"	204"	204"	204"
210"	210"	210"	210"
216"	216"	216"	216"
222"	222"	222"	222"
228"	228"	228"	228"
234"	234"	234"	234"
240"	240"	240"	240"
246"	246"	246"	246"
252"	252"	252"	252"
258"	258"	258"	258"
264"	264"	264"	264"
270"	270"	270"	270"
276"	276"	276"	276"
282"	282"	282"	282"
288"	288"	288"	288"
294"	294"	294"	294"
300"	300"	300"	300"
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312"	312"	312"	312"
318"	318"	318"	318"
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438"	438"	438"	438"
444"	444"	444"	444"
450"	450"	450"	450"
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480"	480"	480"	480"
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498"	498"	498"	498"
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510"	510"	510"	510"
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522"	522"	522"	522"
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558"	558"	558"	558"
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1800"	1800"	1800"	1800"
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1818"	1818"	1818"	1818"
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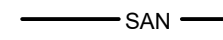




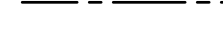
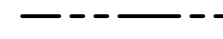
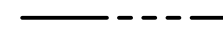
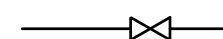








GENERAL NOTES

1. VERIFY ALL PIPING IS GRADED AS PER CODE AND INSTALLED AS CALLED FOR IN DRAWINGS AND REQUIRED FOR PROPER OPERATION.
2. PROVIDE WALL PLATES, STOPS, SUPPLIES, TRAPS AND DRAIN OUTLETS FOR ALL KITCHEN EQUIPMENT AND MISCELLANEOUS EQUIPMENT.
3. CONNECT ALL EQUIPMENT AND FIXTURES SUPPLIES BY OTHERS.
4. ALL HOT WATER PIPING SHALL BE FIBERGLASS INSULATED (R=4.0 MIN. RATING).
5. PROVIDE NAIL GUARDS AS REQUIRED.
6. ALL WORK TO BE DONE IN ACCORDANCE WITH ALL LOCAL CODES AND REQUIREMENTS.
7. VERIFY EXACT SIZE AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO BID AND START OF WORK.
8. ALL EXPOSED PIPING FOR DESIGNATED DISABLED ACCESS FIXTURES SHALL BE COVERED OR OTHERWISE WRAPPED IN ACCORDANCE WITH A.D.A. REQUIREMENTS AND LOCAL AUTHORITY.
9. ALTERNATE MATERIAL NOT IDENTIFIED IN DRAWINGS BUT APPROVED BY LOCAL AUTHORITY SHALL BE SUBMITTED TO ARCHITECT AND PLUMBING ENGINEER FOR REVIEW PRIOR TO INSTALLATION.
10. PLUMBING CONTRACTOR TO FURNISH AND INSTALL ALL MATERIAL AND PIPING REQUIRED FROM ROUGH-IN LOCATION TO EQUIPMENT CONNECTION LOCATIONS, BOTH SUPPLY AND WASTE (DIRECT & INDIRECT).
11. ALL HORIZONTAL LINES AS EXTENDED AND CONNECTED TO EQUIPMENT SHALL BE RUN AT HIGHEST POSSIBLE ELEVATION AND NOT LESS THAN 6 INCHES ABOVE FINISHED FLOOR SURFACE TO PROVIDE CLEARANCE FOR CLEANING AT ALL SUCH LOCATIONS.
12. PLUMBING CONTRACTOR TO INSTALL FAUCETS, AND WASTE ON ALL SINKS AND MAKE FINAL CONNECTIONS.
13. ALL INTERIOR PIPING FOR GREASE WASTE SYSTEM SHALL BE PCV, SOLVENT WELDED.

NOTE:

1. REFER TO RISER DIAGRAM ON SHEET P2.2 FOR PIPE SIZES.
2. REFER TO PLUMBING FIXTURE SCHEDULE ON SHEET P2.2 FOR KEYED NOTES AND  
3. ALL EXPOSED DRAIN PIPING FOR 3-COMP SINK, PREP SINK SHALL BE PIPED IN COPPER.

PLUMBING SYMBOLS

	SANITARY SEWER LINE
	GREASE WASTE LINE
	VENT LINE
	GAS LINE
	COLD WATER LINE
	HOT WATER LINE
	HOT WATER RETURN LINE
	SHUT-OFF VALVE
	BACKFLOW PREVENTER
	COLD WATER
	HOT WATER
	TEMPERED WATER
	FILTER WATER
	FLOOR SINK
	FLOOR DRAIN
	TRAP PRIMER
	THERMOSTATIC MIXING VALVE

EQUIPMENT LEGEND

EQUIP NO.	#	DESCRIPTION
10		BREAD OVEN
13		HAND SINK (WALL HUNG)
14		3 COMPARTMENT SINK
15		PREP SINK
18		WALK-IN COOLER
19		WALK-IN FREEZER
20		MOP SINK
22		GRILL
26		DRINK DISPENSER
28		ICE TEA BREWER
34		BAG-N-BOX
40		WATER HEATER
46		ICE MAKER

BACK FLOW PREVENTER ASSEMBLY REQUIREMENTS

TYPE OF EQUIPMENT ON SYSTEM	METHOD OF CROSS CONNECTION CONTROL	MANUFACTURE AND MODEL NUMBER	REMARKS
CARBONATOR SODA SYSTEM	REDUCED PRESSURE ZONE ASSEMBLY	WATTS SS009-3QT ASSE 1013 CERT	STAINLESS STEEL BODY WITH QUARTER TURN VALVE SS STRAINER.
ICE MACHINE	REDUCED PRESSURE ZONE ASSEMBLY	WATTS LF-009-QT-S	STAINLESS STEEL BODY WITH QUARTER TURN VALVE BRONZE STRAINER.
TEA MACHINE	DOUBLE CHECK VALVE ASSEMBLY	WATTS 9D-LF ASSE 1022/1024 CERT.	STAINLESS STEEL BODY WITH QUARTER TURN VALVE BRONZE STRAINER.
WATER SERVICE	REDUCED PRESSURE ZONE ASSEMBLY	WATTS LF-919-QT	LEAD FREE CAST COPPER WITH QUATER TURN
1. CONTRACTOR SHALL PROVIDE INDIVIDUAL BACKFLOW PREVENTERS FOR EACH PIECE OF EQUIPMENT. 2. EACH BACKFLOW PREVENTER MUST HAVE TESTING PORTS. 3. BRONZE BODIED BACKFLOW PREVENTERS ARE PERMISSABLE IF ALLOWED BY LOCAL CODES.			

TABLE TO CALCULATE DRAINAGE FIXTURE UNITS FOR GREASE WASTE			
PLUMBING FIXTURE	DRAINAGE FIXTURE UNITS	NUMBER OF FIXTURES	TOTAL DRAINAGE FIXTURE UNITS
FLOOR SINK	4	2	8
MOP SINK	3	1	3
TOTAL DRAINAGE UNITS			11

TABLE 10-3 GRAVITY GREASE INTERCEPTOR SIZING	
DFU'S	INTERCEPTOR VOLUME
8	500 GALLONS
21	750 GALLONS
35	1,000 GALLONS
90	1,250 GALLONS
172	1,500 GALLONS
216	2,000 GALLONS
307	2,500 GALLONS
342	3,000 GALLONS
428	4,000 GALLONS

CASE
Engineering Inc.

796 Menus Court
St. Louis, MO 63026
T 636.349.1600
F 636.349.1730
CERTIFICATE OF AUTHORITY NO. E-2981

PLAN KEYED NOTES

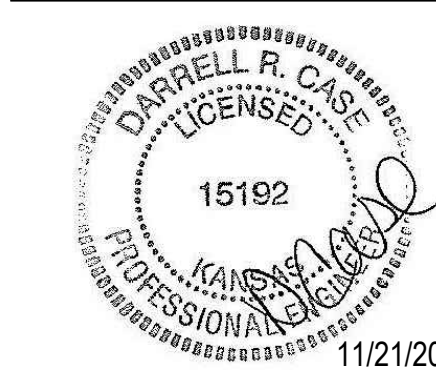
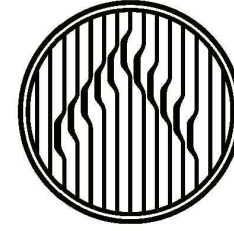
- 1 HAND SINK. REFER TO PLUMBING EQUIPMENT SCHEDULE FOR INFORMATION. PROVIDE WITH POINT OF USE THERMOSTATIC MIXING VALVE SET AT 120°F.
- 2 SINK. PROVIDE INDIRECT CONNECTION. REFER TO PLUMBING EQUIPMENT SCHEDULE FOR INFORMATION.
- 3 ROUTE WASTE FROM ICE MAKER AND SODA MACHINE INDIRECTLY WASTE TO FLOOR SINK. PROVIDE AIR GAP PER CODE. REFER TO PLUMBING EQUIPMENT SCHEDULE FOR INFORMATION.
- 4 BAG-N-BOX. INSTALL 1/2" CFW WITH IN-LINE RPBP FOR BAG-N-BOX. REFER TO PLUMBING EQUIPMENT SCHEDULE FOR INFORMATION.
- 5 SODA MACHINE. INSTALL ACCESSIBLE 1/2" RPZ IN CW SUPPLY TO SODA MACHINE. REFER TO PLUMBING EQUIPMENT SCHEDULE FOR INFORMATION.
- 6 ICE TEA BREWER. REFER TO PLUMBING EQUIPMENT SCHEDULE FOR INFORMATION.
- 7 FLOOR SINK. INSTALLED FLUSH WITH FINISHED FLOOR. REFER TO PLUMBING FIXTURE SCHEDULE FOR INFORMATION.
- 8 VENT PIPING BELOW SLAB.
- 9 ROUTE SANITARY WASTE TO CONNECT TO LANDLORD FURNISHED SANITARY WASTE. VERIFY EXACT SIZE, INVERT ELEVATION AND LOCATION IN FIELD PRIOR TO WORK. CONTACT ENGINEER WITH ANY DISCREPANCIES.
- 10 ROUTE AND CONNECT TO EXISTING WATER SERVICE SUPPLIED INTO SPACE. EXACT LOCATION SHALL BE DETERMINED DURING BID.
- 11 COONNECT TO EXISTING VENT MANIFOLD EQUAL OR GREATER THAN 2".
- 12 ROUTE COLD WATER PIPING DOWN TO 1/2" DN TO BREAD OVEN, PROVIDE 1/4" REDUCER AND QUARTER TURN VALVE. REDUCE AND PROVIDE LEAD FREE DOUBLE CHECK VALVE WATTS 007 OR EQUAL, PRIOR TO CONNECTION TO EQUIPMENT.
- 13 3/4" CW SUPPLY DOWN TO BEVERAGE COUNTER. NOTE MANIFOLD AS REQUIRED TO EACH PIECE OF EQUIPMENT. COORDINATE WITH ARCHITECTURAL AND FINISHES. PROVIDE ANGLE STOP WITH APPROPRIATE BACKFLOW DEVICE INDICATED ON SCHEDULE THIS SHEET.
- 14 GAS DROP TO WATER HEATER TO BE RE-USED. CONNECT NEW WATER HEATER AS REQUIRED. INSURE GAS COCK AND DIRT ARE PRESENT.
- 15 ROUTE AND CONNECT TO EXISTING 1000 GALLON TRAP. TRAP SHALL BE INSPECTED BY JOHNSON CITY WASTER WATER, 913-715-8548 FOR RE-USE PRIOR TO CONSTRUCTION.
- 16 EXISTING RESTROOM FIXTURES SHALL BE REUSED. CONTRACTOR SHALL INSPECT AND REPLACE WORN OR BROKEN PARTS AS REQUIRED TO MAKE LIKE NEW. SHOULD FIXTURES BE DEEMED BROKEN OR WORN BEYOND REPAIR, CONTRACTOR SHALL PROVIDE ALTERNATE COST FOR REPLACEMENT NOTED ON FIXTURE SCHEDULE.
- 17 CONTRACTOR SHALL RE-WORK HOT AND COLD WATER SUPPLIES ARE REQUIRED FOR NEW WORK. PIPING SIZES SHALL BE EQUAL TO EXISTING.
- 18 EXISTING AREA DRAINS SHALL BE CUT AND CAPPED BACK TO BRANCH SERVING THE SAME.
- 19 GAS DOWN TO KITCHEN EQUIPMENT. PROVIDE AUTOMATIC EMERGENCY FUEL SHUT-OFF VALVE IN RISER. EMERGENCY SHUT OFF INTERLOCKED TO HOOD FIRE SUPPRESSION SYSTEM. PROVIDE MANUAL SHUT-OFF VALVE FOR GAS LINE ABOVE AUTOMATIC EMERGENCY FUEL SHUT-OFF VALVE IN RISER.
- 20 ROUTE GAS PIPING TO ROOF TOP AIR UNITS. PROVIDE GAS COCK AND UNION PRIOR TO CONNECTION TO EQUIPMENT.
- 21 LOW PRESSURE GAS PIPING RUN ON ROOF TOP.
- 22 ROUTE CONDENSATE INDIRECTLY INTO MOP SINK.
- 23 EXISTING 50 GALLON -40 MBH WATER TO BE RE-USED. COMPLETELY DRAIN TANK. COORDINATE ADDITIONAL REQUIREMENT WITH GC.
- 24 CONDENSATE FROM MECHANICAL UNIT SHALL DISCHARGE INDIRECTLY ONTO ROOF.

1 SANITARY/GREASE WASTE PLAN

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

2 WATER AND GAS PLAN

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



11/21/2019

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Client Approval

Plumbing Plan

Project # 43419-KS02
Issue Date 11/4/2019
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KITCHEN EQUIPMENT SCHEDULE						
EQUIP NO.	#	DESCRIPTION	PLUMBING		MANUFACTURER	MODEL NO.
			WATER	WASTE		
				HOT COLD/INDIRECT		
		BREAD OVEN	1/4"	FS	NUVU	UB-E/ 10 AUTOMIST
13		HAND SINK (WALL HUNG)	1/2"	2"	CHG	FS170141005JM
13A		HAND SINK (DROP IN)	1/2"	2"	CHG	FS17_-1014JM
14		3 COMPARTMENT SINK	1/2"	FS	UNIVERSAL/CHGP	3N1620-2018
15		PREP SINK	1/2"	FS	UNIVERSAL/CHGP	1N1620-1D18
18		WALK-IN COOLER			NORLAKE	6'-0X 12'-0 CUSTOM
19		WALK-IN FREEZER			NORLAKE	6'-0X 12'-0 CUSTOM
20		MOP SINK	3/4"	3/4"	EXIST -CLEAN AND USE	2X2
22		GRILL			IMPERIAL	IR-G48T-XB-JB11
26		DRINK DISPENSER	1/2"	FS	DISPENSER: DC215, ADAPTOR: B0002957	PEPSI
28		ICE TEA BREWER	1/2"	FS	BUNN	TB3Q
34		BAG-N-BOX	1/2"		PEPSI	PEPSI
40		(E)WATER HEATER	1"	1"	EXISTING	
42		PEPSI BAG-N-BOX	1/2"		PEPSI	PEPSI

PLUMBING FIXTURE SCHEDULE						
MARK	FIXTURE	SAN	VENT	C.W.	H.W.	REMARKS
WC	WATER CLOSET -ADA FLOOR SET	4"	2"	1/2"	-	KOHLER KELSTON K-3755 FLUSH TANK, 1.28 GPF, ELONGATED BOWL WITH CHURCH #9500C ELONGATED WHITE OPEN FRONT SEAT. HANDLE ON RIGHT SIDE.
LAV	LAVATORY -ADA	2"	2"	1/2"	1/2"	KOHLER KINGSTON K-2005 WITH K-15597-SP FAUCET, 0.5 GPM. GRID STRAINER, TAILPIECE, P-TRAP, SUPPLY STOPS AND MIXING VALVE ON SUPPLY. PROVIDE AND INSTALL WRAP FOR TAIL PIECE, TRAP, AND HOT WATER.
FS	FLOOR SINK - HALF GRATE	3"	2"	-	-	J.R. SMITH 3060Y-12, CAST IRON FLANGED, ROUND RECEPTOR WITH SEEPAGE OPENINGS, ACID RESISTANT COATED INTERIOR, NB HALF GRATE, INTERIOR DOME STRAINER.
FD	FLOOR DRAIN	2"	2"	-	-	J.R. SMITH 2010Y, CAST IRON FLANGED, ROUND.
CP	CIRCULATION PUMP	-	-	3/4"	-	BELL AND GOSSETT NBF-33, ALL BRONZE BODY, NORYL IMPELLER, 125 WATTS, 120 VOLT WITH TC-1 AUTOMATIC TIMER KIT
MV	THERMOSTATIC MIXING VAVLE POINT OF US	-	-	1/2"	1/2"	ACORN ST-70 SET TO 110°

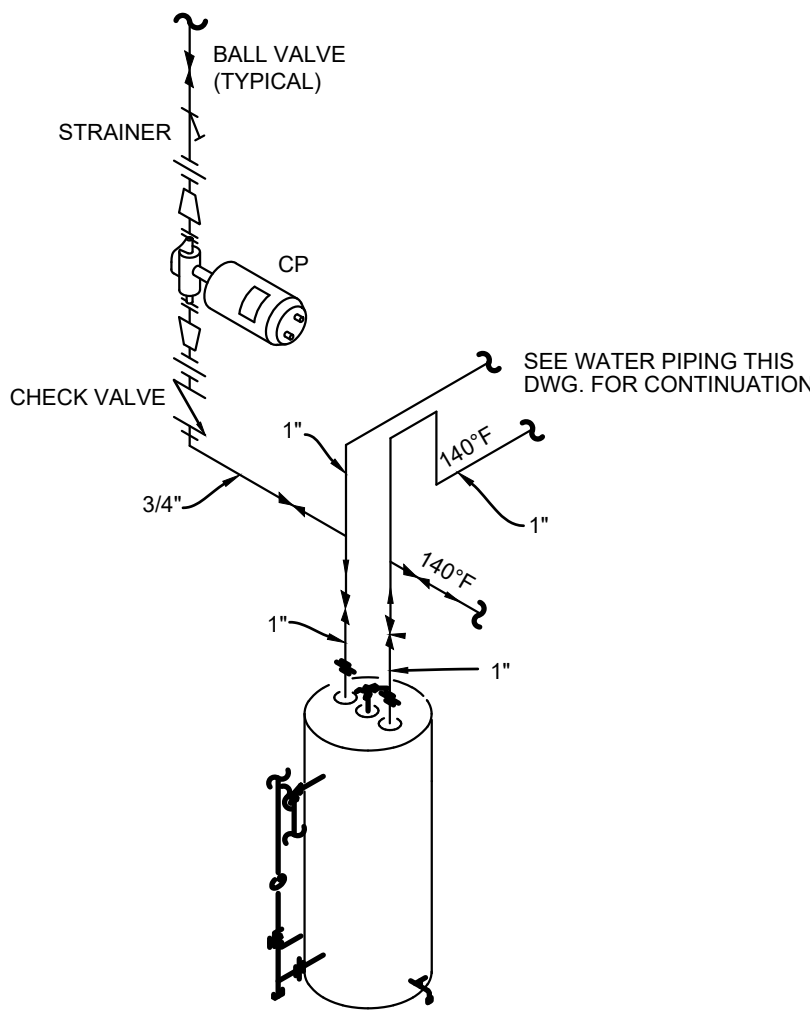
WATER HEATER CALCULATION

Fixture Type	Qty	GPH	Total GPH
3 Compartment Sink	1	40	40
Mop Sink	1	25	25
Prep Sink	1	30	30
Lavatory	2	5	10
Hand Sink	2	5.0	10.0
Adjust Demand Factor and Storage Factor as required to suit project requirements. Below adjust temperature rise and heater efficiency based on project needs.		Total Demand GPH	115
		Demand Factor	0.45
		Required Recovery	52
		Recovery (GPH) times	1.00
		Storage Factor	51.75

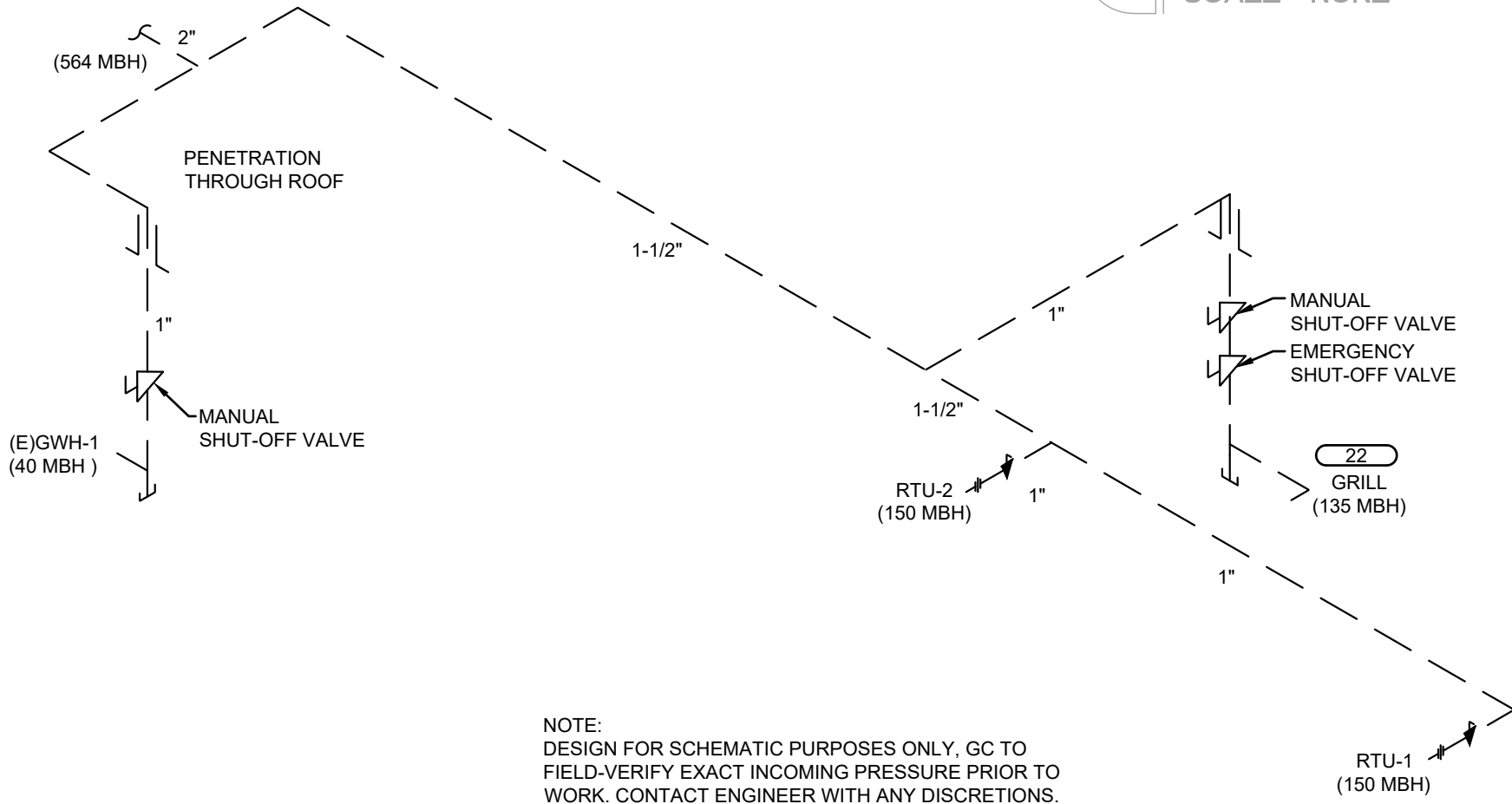
Notes: Figures from ASPE Data Book

52 GPH x 8.33 lbs/gal x 80 Rise x 90 % Efficiency Equals 38318 BTU Input 10 KW

EXISTING WATER HEATER - AO SMITH: 6 50 NBRT - 52 GALLONS 40 MBH-81 GALLON RECOVERY



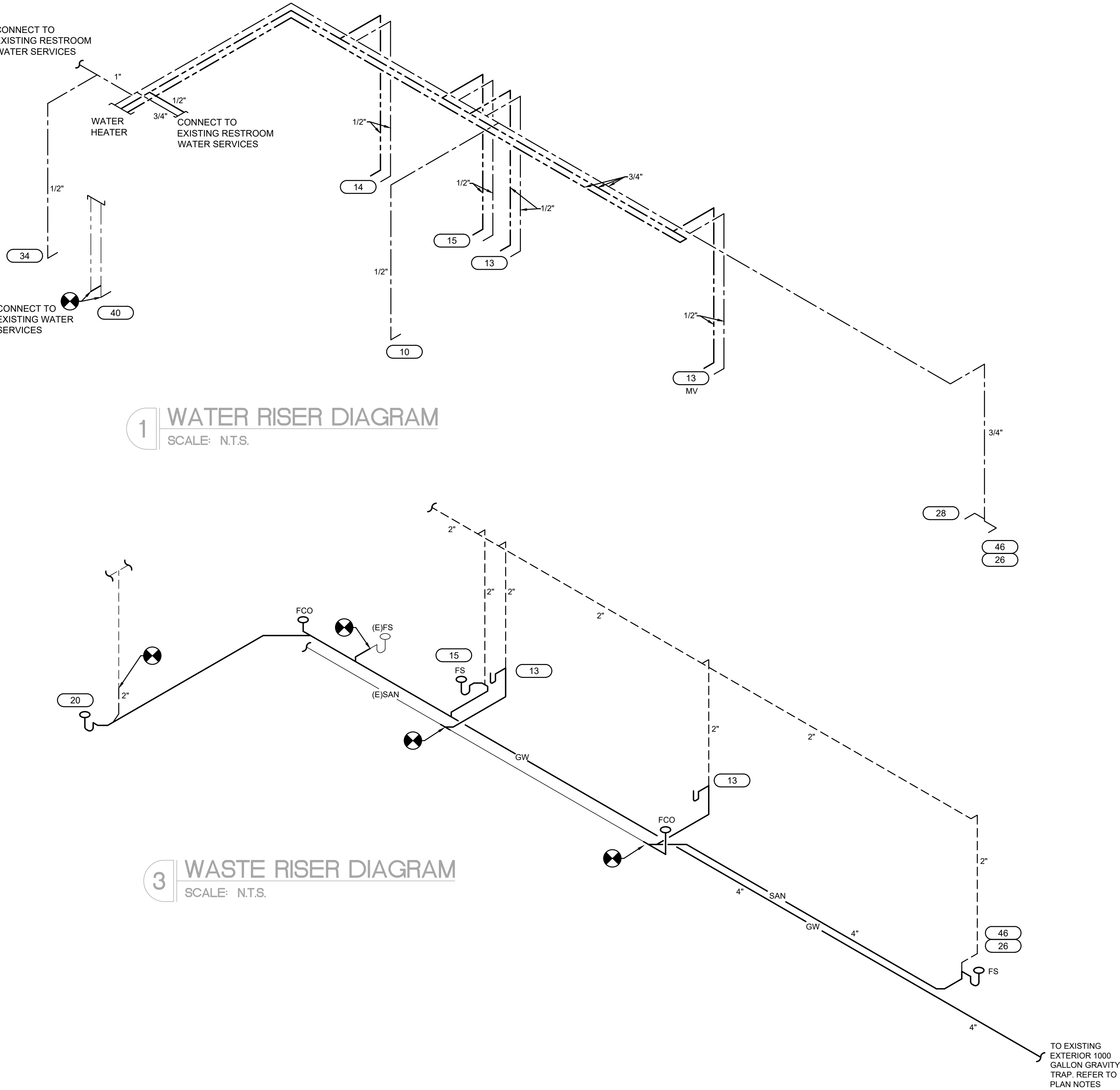
4 WATER HEATER DETAIL
SCALE: NONE



NOTE:
DESIGN FOR SCHEMATIC PURPOSES ONLY, GC TO FIELD-VERIFY EXACT INCOMING PRESSURE PRIOR TO WORK. CONTACT ENGINEER WITH ANY DISCRETIONS.

2 GAS RISER DIAGRAM
SCALE: N.T.S.

GAS LOAD SUMMARY			
SYSTEM	DESIGNATION	EQUIPMENT	MBH
DOMESTIC WATER	GWH	WATER HEATER	40
		SUB-TOTAL	40
KITCHEN EQUIPMENT	(22)	GRILL	135
		SUB-TOTAL	135
BUILDING HEATING	EXISTING RTU-1	ROOF TOP UNIT	150
	EXISTING RTU-2	ROOF TOP UNIT	150
	SUB-TOTAL		300
TOTAL NATURAL GAS CONNECTED LOAD			475
GAS METER REQUIREMENTS	MBH CAPACITY		475
	TOTAL DEVELOPED LENGTH INCLUDING EQUIVALENT PIPE LENGTH FOR FITTING AND VALVE FRICTION LOSSES TO GAS METER.		100 FT X 1.2= 120 FT
	CONSULT GAS UTILITY COMPANY FOR REGULATOR RATING		



1 WATER RISER DIAGRAM
SCALE: N.T.S.

3 WASTE RISER DIAGRAM
SCALE: N.T.S.

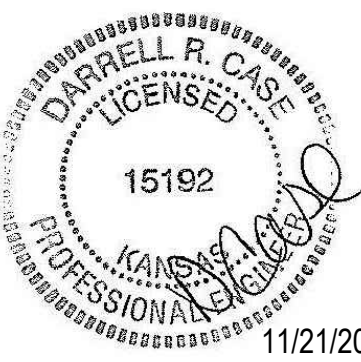
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CERTIFICATE OF AUTHORITY NO. E-2951



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