CONTRACTOR'S COORDINATION SCHEDULE

THE FOLLOWING IS A LIST OF ITEMS EXPLAINING WHO FURNISHES AND INSTALLS. OTHER ITEMS SHOWN IN CONSTRUCTION DOCUMENTS AND NOT CALLED OUT IN THIS SCHEDULE SHALL BE PROVIDED AND INSTALLED BY G.C.

ITEM	FURNISHED BY: GENERAL CONTRACTOR	FURNISHED BY: GENERAL CONTRACTOR THRU NATIONAL VENDOR	DELIVERING COORDINATION BY G.C.: OWNER THRU HVAC/ HOOD VENDOR	OWNER THRU REGENCY LIGHTING	OWNER THRU WASSERSTROM	OWNER THRU KK PURCHASING DEPARTMENT	OWNER THRU KK EQUIPMENT DEPARTMENT	OWNER THRU SIGN VENDOR	OWNER THRU DUROLAST ROOFING VENDOR	OWNER THRU FLOORLINE SOUTH	OWNER THRU VENDOR	PURCHASED BY: GENERAL CONTRACTOR	PURCHASED BY: OWNER	INSTALLED BY: GENERAL CONTRACTOR	INSTALLED BY: OWNER	INSTALLED BY: KK VENDOR	FINAL CONNECTIONS BY GC
1. BUILDING & SITE SIGNAGE								●					●			●	●
2. DRIVE THRU MENU BOARD CONCRETE FOOTING DESIGN/INSTALL BY THE GC								●					●			●	●
3. ROOFING		●										●					
4. BUILDING LIGHTING FIXTURES (EXTERIOR) ONE (1) YEAR LABOR WARRANTY REQUIRED BY EC		●										●		●			
5. POWER DISTRIBUTION PANELS (CPI)		●										●		●			
6. EPOXY FLOOR ALTERNATE BID WITH LOCAL INSTALLER		●										●		●			
7. CERAMIC FLOOR		●										●					
8. FABRICATED PRODUCTION EQUIPMENT							●						●			●	●
9. SEATING, MENU BOARDS, LETTERS AND DECOR PACKAGE (NOT INCL WOOD WALL FINISH)						●							●	●			
10. MILLWORK CABINETRY ITEMS					●								●			●	●
11. FREEZER/COOLERS					●								●			●	●
12. SECURITY SYSTEM/ALARM SYSTEM						●							●			●	
13. MUSIC SYSTEM						●							●			●	
14. LIGHT FIXTURES (INTERIOR)		●										●		●			
15. CAT5E (POS SYSTEM) ELECTRICAL CONDUIT FURNISHED & INSTALLED BY GC						●							●			●	
16. HOODS & HOOD FIRE PROTECTION (HOODS, EXHAUST FANS & CURBS) ONE (1) YEAR LABOR WARRANTY REQUIRED BY MC	●											●		●			
17. RESTROOM & WASH ROOM EXHAUST FAN & CURB ONE (1) YEAR LABOR WARRANTY REQUIRED BY MC		●										●		●			
18. ROLL-A-SHADE	●											●				●	
19. CANOPIES & INTEGRATED CANOPY LIGHTING SEE PLANS FOR CANOPY LOCATIONS								●					●			●	●
20. HEATING & AIR CONDITIONING (ROOFTOP UNITS & CURBS, GRILLES, REGISTERS, AND DIFFUSERS) ONE (1) YEAR LABOR WARRANTY REQUIRED BY MC	●											●		●			

IF ANY DISCREPANCIES ARE FOUND ON THE PLANS, THE CONTRACTOR SHALL BID AND INSTALL THE MORE CONSERVATIVE SPECIFICATION AND CALL ENGINEER FOR CLARIFICATION.

UNLESS NOTED OTHERWISE, ALL ITEMS ARE TO BE PROVIDED AND INSTALLED BY THE PLUMBING CONTRACTOR.

LEGEND

LINE	DESCRIPTION
	WASTE PIPING
	OVERHEAD STORM PIPING
	VENT PIPING
	COLD WATER PIPING
140°	HOT WATER PIPING (140°)
HW110	HOT WATER PIPING (110°)
G	GAS PIPING
F	FILTERED WATER PIPING
C	CONDENSATE PIPING
AIR	AIR PIPING
RETURN	HOT WATER RETURN PIPING

SYMBOLS

- FLOOR CLEAN-OUT
- EXTERIOR CLEANOUT
- WALL CLEANOUT
- HUB DRAIN
- FLOOR DRAIN
- FLOOR SINK
- TRENCH DRAIN
- VENT THRU ROOF
- GATE VALVE
- CHECK VALVE
- MIXING VALVE
- BACKFLOW PREVENTER
- GAS COCK AND UNION
- PLUG CLEAN OUT
- TRAP PRIMER

ABBREVIATIONS

BFP	BACKFLOW PREVENTER
CO	CLEANOUT
DFU	DRAINAGE FIXTURE UNIT
EF	EXHAUST FAN
FD	FLOOR DRAIN
FS	FLOOR SINK
GC	GENERAL CONTRACTOR
GI	GREASE INTERCEPTOR
HS	HAND SINK
LAV	LAVATORY
MS	MOP SINK
MV	MIXING VALVE
NTS	NOT TO SCALE
O/F	OWNER/FRANCHISEE
PC	PLUMBING CONTRACTOR
PRV	PRESSURE REDUCING VALVE
RTU	ROOF TOP EQUIPMENT (HVAC)
TP	TRAP PRIMER
TYP	TYPICAL
U	URINAL
WC	WATER CLOSET
WH	WATER HEATER
WHA	WATER HAMMER ARRESTOR

PLUMBING FIXTURE SCHEDULE

BFP-1 BACKFLOW PREVENTER
A. SEE DETAIL ON SHEET P9.

CO-1 FLOOR CLEANOUT
A. SIOUX CHIEF #834-4PNR
B. TOP SHALL BE FLUSH WITH FLOOR.

CO-2 WALL CLEANOUT
A. SIOUX CHIEF #873-240 WITH COUNTERSUNK PLUG INSTALLED IN PVC TEE.

CO-3 EXTERIOR CLEANOUT
A. SIOUX CHIEF #878-40 WITH COUNTER SUNK BRASS INSERT INSTALLED IN AN END OF LINE HUB/TWO-WAY HUB.

FD-1 FLOOR DRAIN
A. FLOOR DRAIN – SIOUX CHIEF #832-4PNR
B. SEE SHEET P-7 FOR TRAP SIZE

FD-2 FLOOR DRAIN
A. FLOOR DRAIN – SIOUX CHIEF #832-4PNR WITH TRAP PRIMER CONNECTION
B. SEE SHEET P-7 FOR TRAP SIZE

FS-1 FLOOR SINK
A. FLOOR SINK (W/ 1/2 GRATE) – SIOUX CHIEF #861-4P-D (8" DEEP) #861-51 1/2 GRATE AND DOME STRAINER

GI-1 GREASE INTERCEPTOR
A. SEE DETAIL ON SHEET P9.

HB-1 EXTERIOR HOSE BIBB
A. WOODFORD MODEL 70 SERIES, FREEZELESS WALL HYDRANT WITH ANTI-SIPHON VACUUM BREAKER.

HB-2 INTERIOR HOSE BIBB
A. WOODFORD MODEL 24P-3/4 WALL FAUCET WITH ANTI-SIPHON VACUUM BREAKER.
B. CONNECT TO 140°HW.

HR-1 HOSE REEL
A. REEL CRAFT MODEL 7900 OLP PROVIDED BY P.C.
B. HOSE AND SPRAYER SUPPLIED BY KK-EQUIPMENT INSTALLED BY P.C.

HS-1 HAND SINK
A. SINK – ADVANCE TABCO MODEL 7-PS-60
B. FAUCET – SPLASH MOUNTED GOOSENECK WITH AERATOR (INCLUDED)
C. SUPPLIES – McGUIRE 167
D. STRAINER – McGUIRE 155A
E. P-TRAP – McGUIRE 8902
F. PROVIDE TRUEBRO (OR EQUAL) PIPING PROTECTION ON EXPOSED HOT WATER, COLD WATER, AND DRAIN PIPING BELOW SINK.

L-1 LAVATORY, WALL HUNG
A. LAVATORY – AMERICAN STANDARD MODEL 0355.012 "LUCERNE"
B. FAUCET – DELTA MODEL 516LF-HDF W/ OPEN GRID STRAINER, 0.5 GPM AERATOR
C. SUPPLIES – McGUIRE 167
D. STRAINER – McGUIRE 155A
E. P-TRAP – McGUIRE 8902
F. PROVIDE TRUEBRO (OR EQUAL) PIPING PROTECTION ON EXPOSED HOT WATER, COLD WATER, AND DRAIN PIPING BELOW SINK.

MS-1 MOP SINK
A. BASIN – ACORN TRM-242406 (24X24X6)
B. FAUCET – T&S BRASS MODEL: B0665BST
C. HOSE AND HOSE BRACKET – ACORN [illegible]
D. PROVIDE 3" P-TRAP
E. FLOOR DRAIN – FD-1
F. CONTACT REP SOUTH (704) 325-3043
G. MOP SINK TO BE INSTALLED BEFORE EPOXY FLOORING IS POURRED.

MV-1 MIXING VALVE
A. SYMMONS – MODEL #7-225-CK-MS, 1/2" MALE NPT CONNECTIONS.
B. MOUNT IN AN ACCESSIBLE LOCATION.
C. INSTALL PER MANUFACTURERS RECOMMENDATION.

RP-1 HOT WATER RECIRCULATION PUMP & ACCESSORIES
A. TACO MODEL 014, 3.5 GPM, @ 20 FT. OF HEAD, OR EQUAL
B. 1/8 HP, 120 V, 1 PH, 60 HZ, 3250 RPM, 1.45A.
C. ALL BRONZE CONSTRUCTION
D. P.C. SHALL PROVIDE AND INSTALL THE FOLLOWING:
1.) FLOW SWITCH (McDONNELL & MILLER SERIES FS5)
2.) CLOCK TIMER (TACO #265-3)
3.) TEMP. AQUASTAT (HONEYWELL #L606C1018) SET TO TURN OFF PUMP AT 140°F AND TURN ON AT 135°F.
4.) VACCUM RELIEF VALVE (WATTS N36-M1)
E. E.C. SHALL PROVIDE ELECT. CONNECTIONS.

TD-1 TRENCH DRAIN
A. ZURN #Z886-HD, 4" OUTLET, END CAP AND REMOVABLE STAINLESS STEEL SLOTTED GRATE. 4" DEEP-SEAL P-TRAP. (80 IN. LONG)

TD-2 TRENCH DRAIN
A. JAY R. SMITH #9818, 4" OUTLET, END CAP AND REMOVABLE STAINLESS STEEL SLOTTED GRATE. 4" DEEP-SEAL P-TRAP. (1 METER LONG)

TP-1 TRAP PRIMER
A. OREGON #1, 1/2" FROM PRECISION PLUMBING OR EQUAL (1018 APPROVED) PROVIDE DISTRIBUTION UNIT AS REQUIRED FOR QUANTITY OF DRAINS SERVED.

WC-1 WATER CLOSET, FLOOR MOUNTED, FLUSH VALVE (HANDICAP)
A. AMERICAN STANDARD RIGHT HEIGHT 17"H, 1.28 GPF/FV, TOP SPUD, 3641.001
B. FLUSH VALVE – SLOAN ECOS 8111-1.28 GPF WITH COURTESY FLUSH.
C. SEAT – CHURCH #9500C OPEN FRONT LESS COVER.
D. PROVIDE WITH FLUSH LEVER ON WIDE SIDE OF STALL FOR ACCESSIBILITY.

WH-1 INTERIOR GAS WATER HEATERS (2 REQUIRED)
A. WATER HEATER – RINNAI MODEL: RUC80i CONTINUOUS FLOW FOR COMMERCIAL USE AT 3 GPM MAX AT 100° F RISE (EACH) (6 GPM TOTAL).
B. 152,000 BTU/HR NATURAL GAS INPUT (MODULATING MAX) (EACH)
C. CERTIFIED TO ANSI Z21.10.3 STANDARD BY CSA
D. PROVIDE (1) RINNAI "EZ" CONNECT CABLE PART # REU-EZC-1-US
E. PROVIDE (2) RINNAI CONDENSATE TRAPS PART # 222053
F. PROVIDE (2) RINNAI INSTALLATION KITS PART # WRIK-LF-F
G. PROVIDE FLAT ROOF FLASHING AND VENT PIPE AS REQUIRED
H. PROVIDE COMMERCIAL CONTROLLER MCC-91-2US (LOCATED IN MANAGERS OFFICE). E.C. SHALL PROVIDE ALL ELECTRICAL CONNECTIONS.
I. SET FOR OPERATION AT 140 DEG F.

WBP-1 DOMESTIC WATER BOOSTER PUMP (IF REQUIRED)
A. BOOSTER PUMP – GRUNDFOS MODEL CMBE 5-62 RATED AT 44.60 PSI (103.00 TDH) BOOST AT 29.09 GPM. 2 HP 230v 1ph 60hz 4000 RPM ODP MOTOR.
B. PUMP SYSTEM PROVIDED WITH DISCHARGE BLADDER TANK.
C. P.C. SHALL PROVIDE ALL OTHER ACCESSORIES FOR A FULLY FUNCTIONAL SYSTEM.
D. E.C. SHALL PROVIDE ALL ELECTRICAL CONNECTIONS.

BACKFLOW PREVENTION SCHEDULE

EQUIPMENT	MEDIUM HAZARD APPLICATIONS (SEE NOTE 1)	HIGH HAZARD APPLICATIONS (SEE NOTE 1 & 2)
ICE MACHINE	WATTS MODEL: SD-2	WATTS MODEL: 007-QT
COFFEE MAKER	WATTS MODEL: SD-3	WATTS MODEL: SD-3
ESPRESSO MACHINE	WATTS MODEL: SD-3	WATTS MODEL: SD-3
DRINK SYSTEM (CARBONATOR)	WATTS MODEL: SD-3	WATTS MODEL: SD-3
HOSE BIBB	INTEGRAL VACUUM BREAKER	INTEGRAL VACUUM BREAKER
PROOFER	WATTS MODEL: SD-2	WATTS MODEL: 007-QT
TEA BREWER	WATTS MODEL: SD-3	WATTS MODEL: SD-3
WATER CHILLER	WATTS MODEL: SD-2	WATTS MODEL: 007-QT
WATER METER	WATTS MODEL: SD-2	WATTS MODEL: 9D
WATER FILTER	WATTS MODEL: 007-QT	WATTS MODEL: 007-QT
MOP SINK (MS-1)	WATTS MODEL: SD-2	WATTS MODEL: 9D
COLD WATER MAIN	SEE CIVIL PLANS	SEE CIVIL PLANS

NOTES:
1. P.C. SHALL VERIFY BACKFLOW REQUIREMENT WITH LOCAL CODE OFFICIALS. USE MEDIUM HAZARD BACKFLOW DEVICES UNLESS LOCAL CODE OFFICIALS CLASSIFY AS HIGH HAZARD.
2. P.C. SHALL INSTALL PER MANUFACTURERS RECOMMENDATIONS, AND PIPE VENT TO DRAIN WHERE NEEDED INDIRECTLY WITH 2" (MIN.) AIR GAP.
3. P.C. SHALL USE PLASTIC TUBING DOWNSTREAM OF THE BACKFLOW PREVENTER FOR THE CARBONATOR.
4. ALL BACKFLOW DEVICES SHALL BE ACCESSIBLE WITHOUT ANY EQUIPMENT. (IPC 8901.1130 C.)

WATER HAMMER ARRESTOR SCHEDULE

I.P.S.	F.U. RATING	SIOUX CHIEF	UNIT SIZE	REMARKS
3/4"	1 – 11	652-A	A	P.D.I. CERTIFIED
3/4"	12 – 32	653-B	B	P.D.I. CERTIFIED
1"	33 – 60	654-C	C	P.D.I. CERTIFIED
1"	61 – 113	655-D	D	P.D.I. CERTIFIED
1"	114 – 154	656-E	E	P.D.I. CERTIFIED
1"	155 – 330	657-F	F	P.D.I. CERTIFIED

NOTE: ALL WATER HAMMER ARRESTORS PROVIDED MUST MEET ASSE-1010 REQUIREMNETS.

PLUMBING GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR. CONTRACTOR SHALL INSTALL SYSTEMS, EQUIPMENT & COMPONENTS IN ACCORDANCE WITH MINIMUM REQUIREMENTS SHOWN IN THESE PLANS. ANY DEVIATION FROM THE DESIGN PLANS SHALL ONLY BE PERFORMED IF APPROVED BY THE OWNER REPRESENTATIVE OR DESIGN ENGINEER. ALL WORK SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF ALL APPLICABLE CODES AND STANDARDS. HOWEVER, ANY DEVIATION FROM THE DESIGN PLANS IMPLIED BY LOCAL CODES THAT SUGGESTS INSTALLATION OF LESS THAN THE REQUIREMENTS SPECIFIED IN THESE DESIGN PLANS SHALL NOT BE ALLOWED WITHOUT APPROVAL BY THE OWNER REPRESENTATIVE OR THE DESIGN ENGINEER.
2. IT WILL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO INSURE THAT ITEMS TO BE FURNISHED UNDER PLUMBING CONTRACT WILL FIT THE SPACE AVAILABLE. PLUMBING CONTRACTOR SHALL MAKE NECESSARY FIELD MEASUREMENTS TO ASCERTAIN SPACE REQUIREMENTS, INCLUDING THOSE FOR CONNECTIONS AND SHALL FURNISH AND INSTALL SUCH SIZES AND SHAPES OF EQUIPMENT THAT ARE THE TRUE INTENT OF THE DRAWINGS AND SPECIFICATIONS.
3. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR WATER, VENT, AND WASTE SYSTEM TESTS, PER LOCAL CODE REQUIREMENTS. ALL HVAC AND EXHAUST SYSTEMS MUST BE RUNNING WHILE THESE WASTE/VENT TESTS ARE BEING PERFORMED. A CERTIFICATE WILL BE REQUIRED FROM THE PLUMBING CONTRACTOR CERTIFYING COMPLIANCE AND ACCEPTANCE OF THESE TESTS.
4. INSTALL ALL PLUMBING FIXTURES TO BE FULLY ACCESSIBLE TO INDIVIDUALS WITH DISABILITIES IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT OF 2010 AND 1997 IL ACC. CODE. FIXTURES AND THEIR INSTALLATION SHALL ALSO COMPLY WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) PUBLICATION A117.1 – 'PROVIDING ACCESSIBILITY AND USABILITY FOR PHYSICALLY HANDICAPPED PEOPLE' AND/OR GOVERNING CODES. ALL PLUMBING FIXTURES, EQUIPMENT, TRIM, & FITTINGS SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL REGULATIONS AND CODES, INCLUDING, BUT NOT LIMITED TO, WATER AND ENERGY CONSERVATION CODES.
5. THE SCHEDULED AND/OR SPECIFIED PLUMBING FIXTURES AND EQUIPMENT REPRESENT THE MINIMUM CRITERIA AND SHALL BE THE BASIS FOR THE CONTRACTOR'S BASE BID. IF THE SCHEDULED OR SPECIFIED FIXTURES OR EQUIPMENT DO NOT COMPLY WITH GOVERNING CODES OR REGULATIONS IN ALL RESPECTS, THE CONTRACTOR SHALL PROVIDE AN ALTERNATE BID FOR COMPLYING FIXTURES, EQUIPMENT, TRIM, OR FITTINGS. THE ABSENCE OF AN ALTERNATE BID SHALL BE CONSTRUED TO MEAN THAT THE CONTRACTOR'S BID INCLUDES ALL COSTS NECESSARY TO MEET ALL REGULATIONS & CODES.
6. GENERAL CONTRACTOR SHALL PROVIDE ALL OPENINGS IN WALLS, FLOORS, AND ROOF WITH EACH CONTRACTOR BE RESPONSIBLE FOR VERIFYING LOCATION AND SIZES OF ALL OPENINGS REQUIRED UNDER HIS CONTRACT, UNLESS NOTED OTHERWISE ON THE PLANS.
7. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS TO KITCHEN EQUIPMENT THAT REQUIRES A WATER AND/OR WASTE CONNECTIONS, ALONG WITH ALL PIPE, VALVES, WATER HAMMER ARRESTORS, PRESSURE REGULATORS, ETC., REQUIRED FOR A COMPLETE INSTALLATION.
8. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR APPROVED FLOOR PLAN AND DIMENSIONS. DO NOT SCALE PLUMBING DRAWINGS.
9. ANY DEVIATIONS FROM SPECIFIED PLUMBING FIXTURES AND LISTED IN FIXTURE SCHEDULE SHALL OBTAIN PRIOR APPROVAL FROM THE OWNER'S REPRESENTATIVE.

EXISTING CONDITIONS

10. EXISTING WASTE/VENT AND WATER SUPPLY LINES AND FIXTURES ARE SHOWN IN APPROXIMATE LOCATION. PLUMBING CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND SIZES BEFORE INSTALLATION OF ANY NEW EQUIPMENT. MAKE NECESSARY ADJUSTMENTS AS REQUIRED.

COORDINATION

11. IT WILL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO ENSURE THAT ITEMS TO BE FURNISHED UNDER PLUMBING CONTRACT WILL FIT THE SPACE AVAILABLE. PLUMBING CONTRACTOR SHALL MAKE NECESSARY FIELD MEASUREMENTS TO ASCERTAIN SPACE REQUIREMENTS, INCLUDING THOSE FOR CONNECTIONS AND SHALL FURNISH AND INSTALL SUCH SIZES AND SHAPES OF EQUIPMENT THAT ARE THE TRUE INTENT OF THE DRAWINGS AND SPECIFICATIONS.
12. PLUMBING CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL PRIME CONTRACTORS PRIOR TO INSTALLATION OF HIS WORK.
13. MECHANICAL DUCTWORK SHALL HAVE RIGHT-OF-WAY OVER ALL PLUMBING PIPES AND ELECTRICAL CONDUITS.
14. PLUMBING CONTRACTOR SHALL COORDINATE WITH EQUIPMENT SHEETS.

INSTALLATION

15. ALL PLUMBING LINES ARE TO BE RECESSED WITHIN THE WALL CAVITIES UNLESS SPECIFICALLY NOTED OTHERWISE ON PLANS.
16. ALL PLUMBING FIXTURES SHALL BE NEATLY CAULKED WITH SILICONE COMPOUND WHERE FIXTURE MEETS WALL.
17. ALL PIPES PASSING THROUGH FLOOR SLAB OR WALLS SHALL BE INSTALLED WITH FOAM RUBBER INSULATION.
19. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL A BACKFLOW PREVENTER OR VACUUM BREAKER AT ALL FIXTURE CONNECTIONS AND AS REQUIRED BY LOCAL CODES AT ANY POINT WHERE THERE IS DANGER OF NON-POTABLE WATER COMING IN CONTACT WITH THE POTABLE WATER SYSTEM OR ANY DANGER OF BACK-FLOW. COORDINATE WITH LOCAL INSPECTOR.
20. WHERE TUBING PASSES BEHIND STUCCO, PLASTER OR AREAS WHERE STAPLES ARE USED, IT SHALL BE PROTECTED BY CONTINUOUS SLEEVE OR APPROVED SHIELD THAT IS TWICE THE DIAMETER OF THE TUBING BEING PROTECTED.
21. PLUMBING CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR APPROVED FLOOR PLAN AND DIMENSIONS. DO NOT SCALE PLUMBING DRAWINGS.

DWV PIPING

22. INSTALL ALL THREADED CLEANOUT PLUGS WITH PIPE DOPE TO ALLOW EASY REMOVAL IN THE FUTURE.
23. ALL INDIRECT WASTE LINES SHALL HAVE A MINIMUM OF 2" AIR GAP OR TWICE THE EFFECTIVE DRAIN DIAMETER (WHICH EVER IS LARGER) WHERE IT TERMINATES AT THE RECEPTOR.
24. ALL HUB/FLOOR/TRENCH DRAINS AND FLOOR SINKS SHALL BE PROVIDED WITH DEEP SEAL TRAPS.
25. SET TOP RIM OF ALL IN-FLOOR FIXTURES (DRAINS, FLOOR SINKS, CLEAN-OUTS, ETC.) FLUSH WITH FINISHED FLOOR UNLESS DRAWINGS EXPLICITLY SPECIFY OTHERWISE.
26. CLEANOUTS LOCATED IN TRAFFIC-BEARING AREAS SHALL BE INSTALLED WITH A VEHICLE TRAFFIC BEARING BOX. THE BOX SHALL BE SET IN CONCRETE SLAB, EXTENDING AT LEAST 12" FROM THE PERIMETER OF THE CLEANOUT. THE SLAB SHALL BE NOT LESS THAN 6" THICK. THE CONCRETE SHALL BE NOT LESS THAN 2,500 PSI.

WATER PIPING

27. PLUMBING CONTRACTOR SHALL INSTALL SHOCK ABSORBERS/WATER HAMMER ARRESTORS TO MEET ALL STATE AND LOCAL CODE REQUIREMENTS.
28. PLUMBING CONTRACTOR SHALL INSTALL WATER SUPPLY PIPES SO THAT NO PIPE JOINTS ARE UNDER FLOOR SLAB – ALL JOINTS WILL BE ABOVE THE FLOOR IN ACCESSIBLE WALLS.
29. ALL NEW HOT AND COLD WATER PIPING IN WALLS, ABOVE CEILINGS, AND EXPOSED SHALL BE INSULATED WITH AN INSULATION HAVING A MAXIMUM K FACTOR OF 0.28 @ 75°F MEAN TEMPERATURE FOR 2" WALL, FLEXIBLE ELASTOMERIC THERMAL TYPE, CLOSED CELL INSULATION SIMILAR TO AP ARMAFLEX TUBE INSULATION (ARMACELL). INSULATE FITTINGS CONTINUOUSLY, BUT DO NOT INSULATE VALVE BODIES, NOR FIXTURE SUPPLIES.
   a. LONGITUDINAL SEAMS SHALL BE SEALED.
   b. LATERAL SEAMS (BUTT JOINTS) SHALL BE SEALED ON COLD WATER PIPES ONLY.
   c. THICKNESS SHALL BE 1/2" FOR COLD WATER PIPES UP TO 1-1/4"ø AND 1" FOR COLD WATER PIPES 1-1/2"ø AND GREATER.
   d. THICKNESS SHALL BE 1" MIN. FOR ALL HOT WATER PIPES.
30. PLUMBING CONTRACTOR SHALL INSTALL ALL DOMESTIC HOT AND COLD WATER PIPING LOCATED IN EXTERIOR WALLS AND CEILING ON HEATED OR WARM SIDE OF THE INSULATION.
31. PLUMBING CONTRACTOR SHALL CLOSELY COORDINATE PIPING INSTALLATION WITH GENERAL CONTRACTOR AND VERIFY NO BUILDING INSULATION IS COMPROMISED IN EXTERIOR WALLS.
32. HOT AND COLD WATER PIPING ABOVE GROUND SHALL BE TYPE "L" HARD DRAWN COPPER TUBING ASSEMBLED WITH WROUGHT SWEAT FITTINGS. NO WATER PIPING SHALL BE CROSS-LINKED POLYTHYLENE (PEX-A) TUBING AND ASTM F-1960 COLD EXPANSION FITTINGS. ALL WATER PIPING BELOW GRADE OR BELOW CONCRETE SLAB SHALL BE TYPE "K", COPPER TUBING, JOINTS IN COPPER TUBING SHALL BE WITH SILVER SOLDER SIMILAR OR EQUAL TO SIL-PHOS.
33. ALL VALVES SHALL BE SAME SIZE AS PIPING SERVED (MIN.)

GAS PIPING

34. PLUMBING CONTRACTOR SHALL SUPPLY AND INSTALL GAS PIPING AS SHOWN ON PLANS. ALL GAS PIPING SHALL COMPLY WITH LOCAL CODES. PLUMBING CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL GAS EQUIPMENT. INSTALL REGULATORS AT EQUIPMENT WHERE REQUIRED BY MANUFACTURER OR CUTS SUPPLIED BY FURNISHING CONTRACTOR.

EQUIPMENT INSTALLATION NOTES

PRODUCTION ROOM–
KRISPY KREME DOUGHNUT CORPORATION (KKDC)/KRISPY KREME FRANCHISEE WILL PROVIDE ALL DOUGHNUT EQUIPMENT ALONG WITH UNLOADING AND ASSEMBLY (GENERAL CONTRACTOR WILL PROVIDE 2 HELPERS TO UNLOAD FOR A MAXIMUM OF 4 HOURS). GENERAL CONTRACTOR WILL PROVIDE ELECTRICIANS AND PLUMBERS TO MAKE CONNECTIONS. GC WILL PROVIDE EXHAUST HOOD AND FANS WITH INSTALLED ANSUL SYSTEM. THE MECHANICAL CONTRACTOR WILL INSTALL THE HOOD AND FANS AND PROVIDE AND INSTALL ALL DUCT WORK. ELECTRICIAN WILL MAKE CONNECTIONS. KKDC/KRISPY KREME FRANCHISEE WILL PROVIDE MIX SINK AND PLUMBER WITH INSTALL. GC WILL FURNISH / INSTALL STEAM HOOD OVER GLAZE COOKER.

WASHROOM–
KKDC/KRISPY KREME FRANCHISEE WILL PROVIDE 3 COMPARTMENT SINK. GENERAL CONTRACTOR WILL UNLOAD, SET IN PLACE, ASSEMBLE, AND PROVIDE VENTING, PLUMBING, AND ELECTRICAL CONNECTIONS. GENERAL CONTRACTOR WILL INSTALL POT RACK AND CUTTER RACKS ON WALL.

GEORGE SARFATTY, AIA
500 Davis Street, Suite 615, Evanston, Illinois 60201
847.920.1100 www.sarfatty.com fax 847.920.1101
Copyright© 2018

KENNETH L. KRAUS
P.E. # 74120
306 Oak Grove Drive
Wauconda, IL 60084
T (847) 719-1708 F (847) 719-1738
Plumbing ❖ Mechanical ❖ Electrical

KRISPY KREME DOUGHNUTS
1730 E. NINE MILE ROAD
PENSACOLA, FL 32514

Krispy Kreme [redacted]

SEAL: KENNETH L. KRAUS LICENSE 74120 STATE OF FLORIDA PROFESSIONAL ENGINEER 08/23/18

DATE:	08/23/18
PROJECT NO.:	18-004
CHECKED BY:	KLK
DRAWN BY:	STAFF
SHEET TITLE:	PLUMBING NOTES, SCHEDULES AND DETAILS
SHEET NO.:	P1

Order Plans @ www.DIYLine.com