GENERAL MECHANICAL NOTES

(THESE NOTES SUPPLEMENT THE MASTER SPECIFICATIONS)

CONDITIONS

A. GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS, SPECIAL CONDITIONS, AND OTHER RELATED PORTIONS OF DIVISION 1 APPLY TO THIS SECTION.

REGULATIONS, CODES, PERMITS AND INSPECTIONS

A. COMPLY WITH ALL NATIONAL, STATE, COUNTY AND CITY CODES, ORDINANCES, ETC. HAVING JURISDICTION, INCLUDING RULES AND REQUIREMENTS OF UTILITY SERVING AGENCIES.

B. INCORPORATE ALL CODES, ORDINANCES, ETC. INTO THE BASE BID AND INSTALLATION OF THE WORK. NO ADDITIONAL FUNDS WILL BE ALLOCATED FOR WORK REQUIRED TO CONFORM TO REGULATIONS AND REQUIREMENTS AND/OR TO OBTAIN APPROVAL OF WORK.

C. OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND LICENSES. WHEN REQUIRED BY CODE, ALL WORK MUST BE INSPECTED AND APPROVED BY LOCAL AUTHORITIES. PRIOR TO FINAL APPROVAL, FURNISH ARCHITECT WITH CERTIFICATES OF INSPECTION AND APPROVALS BY LOCAL AUTHORITIES.

D. IN ADDITION, THE LATEST EDITION OF THE FOLLOWING PUBLISHED STANDARDS SHALL BE ADHERED TO:

1. STANDARD BUILDING CODE
2. STANDARD PLUMBING CODE
3. STANDARD MECHANICAL CODE
4. APPLICABLE NFPA STANDARDS
5. ASHRAE GUIDES
6. SMACNA DUCT CONSTRUCTION STANDARDS
7. NATIONAL ELECTRIC CODE
8. HEALTH CODES
9. NATIONAL FIRE CODE

DUCTWORK

A. PROVIDE A COMPLETE SYSTEM OF DUCTWORK, FABRICATED AND INSTALLED IN STRICT ACCORDANCE WITH THE ASHRAE GUIDES AND WITH SMACNA DUCT CONSTRUCTION STANDARDS. THE DUCT SYSTEM SHALL BE CONSTRUCTED AS SHOWN ON THE MECHANICAL DRAWINGS. CHANGES IN ARRANGEMENT OR IN DUCT SIZES SHALL BE MADE ONLY AFTER WRITTEN ACCEPTANCE IS OBTAINED FROM THE MECHANICAL CONSULTING ENGINEER.

DUCTWORK INSTALLATION

A. CONSTRUCT DUCTWORK WITH MATERIAL, GAUGES, JOINTS, WELDS, BRACING AND SUPPORTS IN ACCORDANCE WITH APPLICABLE RECOMMENDATIONS OF ASHRAE AND SMACNA WITH ADDITIONAL BRACING AS REQUIRED.

B. FOOD SERVICE EXHAUST DUCTWORK SHALL BE RIGIDLY CONSTRUCTED, LIQUID AND AIR-TIGHT. JOINTS SHALL BE TIGHTLY FITTED AND WELDED WITH NO VOIDS. ALL DUCTWORK, SEALING PRODUCTS SHALL CONFORM TO THE UMC AND UL-181 AND INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.

TESTING AND BALANCING

A. THE TESTS SHALL INCLUDE ALL FANS, VOLUME DAMPERS, AIR DEVICES, ETC. NORMALLY INCLUDED AS A PART OF THE AIR DISTRIBUTION AND TRANSMISSION SYSTEM.

B. A COMPLETE BALANCING REPORT SHALL BE DONE BY AN INDEPENDENT BALANCING COMPANY AND SHALL BE SUBMITTED TO THE CONSULTING ENGINEER UPON COMPLETION.

PLUMBING AND PIPING SPECIFICATIONS

GENERAL PRODUCTS

A. FURNISH AND INSTALL NEW EQUIPMENT AND MATERIALS. ITEMS OF EQUIPMENT USED FOR THE SAME PURPOSE SHALL BE BY THE SAME MANUFACTURER.

B. SYSTEMS SHALL BE COMPLETE AND OPERABLE. ANY ACCESSORIES REQUIRED FOR OPERATION OF THE SYSTEMS SHALL BE INCLUDED AS AN ITEM OF EQUIPMENT. WHERE POSSIBLE, ALL VALVES SHALL BE CONCEALED WITHIN FIXTURE OR EQUIPMENT.

PIPING MATERIALS

A. WATER PIPING BURIED BELOW GRADE SHALL BE TYPE "K" COPPER TUBING WITH WROUGHT COPPER FITTINGS WITH SILVER SOLDER.

B. DOMESTIC AND CHILLED WATER PIPING ABOVE GRADE SHALL BE TYPE "L" HARD DRAWN COPPER TUBING WITH WROUGHT COPPER FITTINGS AND NO-.LEAD 95/5 SOLDER.

C. NATURAL GAS PIPING ABOVE GRADE THAT IS 2.5" AND SMALLER SHALL BE SCHEDULE 40 ASTM, A-53 BLACK STEEL SCREWED PIPE WITH BLACK BANDED 150C/O MALLEABLE IRON THREADED FITTINGS. PIPING 3" AND LARGER SHALL BE BUTT-WELDED WITH FACTORY MADE WROUGHT STEEL BUTT WELDING FITTINGS.

D. CONDENSATE DRAIN PIPING SHALL BE TYPE "M" HARD COPPER WITH WROUGHT COPPER FITTINGS AND NO-LEAD 95/5 SOLDER.

E. GAS VALVES SHALL BE BRONZE BODY, BRONZE TAPERED PLUG, NON-LUBRICATED TEFLON PACKING, THREADED ENDS. GAS VALVES ARE PROVIDED BY KITCHEN EQUIPMENT CONTRACTOR. GAS VALVE SUPPORTING FIRE PROTECTION SHALL BE COMPATIBLE TO FIRE CONTROL LOGIC AS DESIGNED BY MECHANICAL ENGINEER.

F. PIPE SUPPORTS SHALL BE AS REQUIRED BY LATEST EDITION OF THE UPC.

GENERAL MECHANICAL NOTES

(CONTINUED)

PIPING SPECIALTIES

INSTALLATION

A. CONCEAL ALL PIPING IN WALLS, FURRED SPACES, PIPE SPACES, OR ABOVE SUSPENDED CEILINGS, AS SHOWN ON THE DRAWINGS. GROUP PIPING WHEREVER PRACTICAL, AND INSTALL UNIFORMLY IN STRAIGHT PARALLEL LINES, SQUARELY WITH BUILDING LINES, AS APPLICABLE.

B. SUPPORT HORIZONTAL PIPING WITH PIPE HANGERS. DO NOT USE PERFORATED METAL STRAP. ARRANGE PIPING SO THAT THERMAL EXPANSION DOES NOT CAUSE STRESS. INSTALL AND SECURE PIPING SO THAT HOT AND COLD LINES AND LINES OF DISSIMILAR METALS ARE NOT IN CONTACT. ALLOW FOR THERMAL EXPANSION AS REQUIRED.

C. VERIFY ALL EQUIPMENT DIMENSIONS AND REQUIREMENTS FOR ROUGH-IN WORK. COORDINATE BETWEEN KITCHEN EQUIPMENT CONTRACTOR AND PLUMBING CONTRACTOR.

D. PERFORM ALL WORK IN ACCORDANCE WITH THE BEST TRADE PRACTICES. INSTALL ALL MATERIALS AND EQUIPMENT SQUARELY WITH THE BUILDING LINES. PROVIDE RIGID, PERMANENT BASES AND SUPPORTS FOR ALL WORK. CONSTRUCT AND BRACE EQUIPMENT, PIPING, ETC. SO THAT THERE WILL BE NO VIBRATION AND/OR RATTLING WHEN THE SYSTEM IS IN OPERATION.

STRUCTURAL HANGARS

A. HANGERS SUPPORTED BY METAL DECKING ONLY, OR METAL DECKING WITH INSULATED FILL, SHALL BE ATTACHED WITH STEEL BARS, 3/8" ROUND X 12" 11/2" X FLAT 12" PLACED PERPENDICULAR TO FLUTES. ONLY LIGHT DUCTWORK (12" X 16" MAX), PIPING (1 1/2" ROUND PIPING MAX), OR CEILINGS MAY BE HUNG FROM SUCH INSTALLATIONS. HANGERS MUST BE TWO (2) FLUTES APART WHERE THEY OCCUR ON THE SAME DECK SPAN.

B. HANGARS SUPPORTED BY METAL DECK WITH STRUCTURAL CONCRETE FILL SHALL BE INSTALLED USING ICBO APPROVED ANCHORAGE SYSTEMS. SUCH HANGARS SHALL BE USED TO SUPPORT DUCTWORK (54" X 16" MAX), PIPING (4" ROUND MAX) OR CEILINGS. HANGERS MUST BE AT LEAST TWO (2) FLUTES APART WHERE THEY OCCUR ON THE SAME DECK SPAN. LARGER DUCTWORK OR PIPING SHALL BE SUPPORTED BY STRUCTURAL BEAMS OR COLUMNS.

CONCRETE

A. FORMS FOR CONCRETE CURBS AND DEPRESSIONS SHALL BE LAID OUT AND CONSTRUCTED TO PROVIDE THE SPECIFIED CAMBER SHOWN ON DRAWINGS.

B. DRY PACK OR GROUT UNDER BASE PLATES, SILL PLATES, ETC. SEE SPECIFICATIONS.

C. MECHANICAL PIPES AND ELECTRICAL CONDUITS WHICH PASS THROUGH SLAB ON GRADE, CONCRETE ON STEEL DECK, FRAMED CONCRETE FLOORS AND WALLS DO NOT REQUIRE SLEEVES, UNLESS OTHERWISE INDICATED IN THE PROJECT SPECIFICATIONS, MECHANICAL OR ELECTRICAL DRAWINGS. IF SLEEVES ARE REQUIRED, INSTALL SLEEVES BEFORE PLACING CONCRETE. DO NOT CUT ANY REINFORCING WHICH MAY INTERFERE WITH SLEEVE PLACEMENT. CORING OPENINGS IN CONCRETE IS NOT PERMITTED. NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS. NO PIPES OR ELECTRICAL CONDUIT SHALL PASS THROUGH BEAMS OR COLUMNS UNLESS SPECIFICALLY DETAILED.

D. EXCEPT FOR SLAB ON GRADE AND CONCRETE ON STEEL DECK, EMBEDDED ELECTRICAL CONDUITS OR MECHANICAL PIPES (OTHER THAN THOSE PASSING THROUGH) OUTSIDE DIAMETER SHALL NOT EXCEED 30 PERCENT OF THE SLAB THICKNESS AND SHALL BE PLACED BETWEEN THE TOP AND BOTTOM REINFORCING, UNLESS SPECIFICALLY DETAILED OTHERWISE. CONCENTRATIONS OF ELECTRICAL CONDUITS OR MECHANICAL PIPES SHALL BE AVOIDED EXCEPT WHERE DETAILED OPENINGS ARE PROVIDED. FOR SLAB ON GRADE, UNLESS OTHERWISE DETAILED, NO PIPES OR CONDUITS SHALL BE PLACED WITHIN THE INDICATED CONCRETE SLAB THICKNESS AND SHALL BE LOCATED BELOW THE SLAB.

DEMOLITION

A. ALL DEMOLITION TO BE CARRIED OUT IN SUCH A MANNER AS NOT TO DAMAGE EXISTING ELEMENTS WHICH ARE TO REMAIN IN THE FINISHED BUILDING.

B. ALL ELEMENTS OF THE STRUCTURE AND EQUIPMENT WHICH ARE TO REMAIN AND WHICH ARE DAMAGED DURING DEMOLITION WORK SHALL BE REPLACED AT NO ADDITIONAL COST. EXISTING ELEMENTS SHALL BE PROTECTED TO THE FULLEST EXTENT POSSIBLE TO REDUCE SUCH DAMAGE TO A MINIMUM.

VENTILATION REQUIREMENTS

GENERAL NOTES:

A. ALL WORK INDICATED ON THE BUILDING CONDITIONS AND VENTILATION PLAN MUST BE COMPLETED BY OTHER THAN THE KITCHEN EQUIPMENT CONTRACTOR AND MUST COMPLY WITH ALL LOCAL CODES AND RESTRICTIONS.

B. THE BUILDING CONDITIONS AND VENTILATION PLAN IS INTENDED TO SHOW SPECIAL BUILDING AND VENTILATION REQUIREMENTS FOR THE FOOD SERVICE EQUIPMENT ONLY. ANY ADDITIONAL BUILDING CONDITIONS OR VENTILATION REQUIREMENTS ARE THE RESPONSIBILITY OF THE ARCHITECT OR MECHANICAL ENGINEER AND MUST COMPLY WITH ANY APPLICABLE CODES AND REGULATIONS. REFER TO ARCHITECTURAL/ENGINEERING PLANS.

C. REFER TO THE APPROVED SHOP DRAWINGS FOR THE SUPPLEMENTAL COORDINATION AND INSTALLATION REQUIREMENTS FOR THE FOOD SERVICE EQUIPMENT INDICATED ON THE PLANS.

VENTILATION REQUIREMENTS CONT.

D. REQUIREMENTS INDICATED ON THE PLANS FOR THE EXISTING AND OWNER OR PURVEYOR PROVIDED EQUIPMENT ARE MINIMUM GUIDELINES ONLY AND MUST BE VERIFIED WITH THE EQUIPMENT. FURNISH SERVICES AND MAKE ALL FINAL CONNECTIONS AS REQUIRED. CONTACT EQUIPMENT PROVIDER FOR THE LOCATION OF, OR SPECIFICATIONS FOR, THIS EQUIPMENT.

E. PRIOR TO THE INSTALLATION OF THE FOOD SERVICE EQUIPMENT THE KITCHEN EQUIPMENT CONTRACTOR MUST CONFIRM THAT:

1) THE WALLS, CEILINGS AND FLOORS IN THE KITCHEN, FOOD PREPARATION, WAREWASHING OR BAR AREAS ARE SMOOTH, EASILY CLEANABLE NONABSORBENT AND DURABLE. WALLS AND CEILINGS SHALL BE LIGHT IN COLOR.

2) THE CEILINGS ARE INSTALLED AND FINISHED.

3) THE WALLS ARE INSTALLED AND FINISHED.

4) THE FLOORING HAS BEEN INSTALLED AND WASHED CLEAN.

5) A LOADING DOCK IS AVAILABLE AND TO COORDINATE WITH THE APPLICABLE TRADESMEN ANY DOOR OR WINDOW OPENINGS OR PASSAGES FOR THE DELIVERY OF THE FOOD SERVICE EQUIPMENT.

F. THE MOUNTED HEIGHT FOR THE BOTTOM EDGE OF THE HOODS TO BE 6'-8" ABOVE THE FINISHED FLOOR OR PER LOCAL CODE REQUIREMENTS.

MECHANICAL CONTRACTOR NOTES

MECHANICAL ENGINEER IS RESPONSIBLE FOR SPECIFYING THE FOLLOWING. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND THE INSTALLING OF THE FOLLOWING, AND FOR MAKING FINAL CONNECTIONS TO THE FOOD SERVICE EQUIPMENT UNLESS OTHERWISE NOTED.

A. THE INSULATION FOR ALL COOKING EQUIPMENT EXHAUST HOODS AND DUCTS AS REQUIRED BY LOCAL CODES.

B. THE HORIZONTAL DUCTWORK FOR ALL DISH/UTENSIL WASHERS. ALL DUCTS MUST HAVE WATER TIGHT JOINTS AND BE GRADED BACK TO THE MACHINE. (DO NOT USE ALUMINUM DUCTS.)

C. BALANCED SUPPLY AND EXHAUST AIR IN KITCHEN AREAS TO CONTAIN COOKING ODORS AND PROVIDE A COMFORTABLE WORKING ENVIRONMENT. TEMPER MAKE-UP AIR SUPPLY IN ALL KITCHEN AREAS, ESPECIALLY SUPPLY AIR THROUGH EXHAUST HOODS. VERIFY AND COMPLY WITH ALL APPLICABLE CODES.

D. THE DUCT COLLARS ON EXHAUST HOODS MAY BE OVERSIZED TO INCREASE EFFICIENCY. PROVIDE ALL TRANSITIONS TO DUCTS AS REQUIRED AND MAKE ALL FINAL CONNECTIONS ON ALL HOODS. VERIFY AND COMPLY WITH ALL APPLICABLE CODES.

E. ALL EXHAUST HOOD ASSEMBLIES, DUCTING, COMPONENTS, ETC. SHALL BE UMC TYPE 1 ASSEMBLY, EXCEPT AT WAREWASHING AREAS OR AS OTHERWISE NOTED. VERIFY THAT VENTILATION REQUIREMENTS ARE IN COMPLIANCE WITH LOCAL CODES AND REGULATIONS.

F. SUGGESTED MINIMUM VENTILATION REQUIREMENTS:

A)	KITCHEN AREAS:	45 TO 60 AIR CHANGES /HOUR
B)	SERVICE AREAS:	45 TO 60 AIR CHANGES/HOUR
C)	PREP AREAS:	45 TO 60 AIR CHANGES/HOUR
D)	WASHING AREA:	45 TO 60 AIR CHANGES/HOUR
E)	STORAGE ROOMS:	3 AIR CHANGES/HOUR
F)	OFFICES:	4 AIR CHANGES/HOUR
G)	CONDENSING UNITS:	1000 CFM/HP (AIR-COOLED)
		200 CFM/HP (WATER-COOLED)

G. PROVIDE DOUBLE-WALLED GAS/VENT FLUE TO THE ATMOSPHERE AS REQUIRED BY LOCAL CODES. ANY FLUE OF EXCESSIVE LENGTH, WITH BENDS OR OTHER RESTRICTIONS MUST BE PROVIDED WITH A BOOSTER EXHAUST FAN INTERWIRED TO OPERATE WITH THE EQUIPMENT BEING VENTED. BOOSTER FAN SHALL PROVIDE 0" S.P. AT CONNECTION TO EQUIPMENT.

H. ALL REQUIRED MATERIALS TO MAKE THE FINAL CONNECTIONS TO ALL CONTRACTOR PROVIDED KITCHEN EQUIPMENT.

VENTILATION REQUIREMENTS

(CONTINUED)

GENERAL CONTRACTOR REQUIREMENTS

THE ARCHITECT IS RESPONSIBLE FOR SPECIFYING THE FOLLOWING: THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE FOLLOWING UNLESS OTHERWISE NOTED.

A. THE IN-WALL REINFORCING OR WALL BACKING FOR ALL WALL MOUNTED, RECESSED OR SEMI-RECESSED EQUIPMENT OR CONTROL PANELS.

B. A 4" DEEP DEPRESSION FOR ALL WALK-IN COOLER/FREEZERS, WITH A SMOOTH AND TRANSIT-LEVEL FINISH. THE EXCESS DEPRESSION IS TO BE FILLED WITH GROUT. THE FINISHED FLOOR MATERIALS AND COVED BASES ARE TO BE INSTALLED AFTER THE WALK-IN PANELS HAVE BEEN SET IN PLACE.

C. A 6" HIGH SOLID CONCRETE PAD WITH TROWEL-SMOOTH AND LEVEL FINISH.

D. AN EASILY VISIBLE PERMANENT BENCHMARK INDICATING FINISHED FLOOR LEVEL.

E. ANY FIRE RELATED MATERIALS FOR EXHAUST VENT DUCTS, VENT STACKS, AND ANY HEAT PRODUCING FOOD SERVICE EQUIPMENT. VERIFY COMPLIANCE WITH LOCAL CODES AND REGULATIONS.

F. THE COVED BASES AT ALL VERTICAL INTERSECTIONS OF ALL KITCHEN FLOORS.

G. ALL CONDUITS FOR REFRIGERATION OR DRINK LINES SHALL HAVE A SMOOTH INTERIOR FINISH, A MINIMUM RADIUS OF 24" AT ALL BENDS AND A MINIMUM 16" X 18" X 12" DEEP ACCESSIBLE PULL BOX ON ALL CONDUIT RUNS IN EXCESS OF 95'-0", IN ALL FLOORS OR CONCEALED SPACES. THE TOTAL OF ALL BENDS BETWEEN PULL BOXES NOT TO EXCEED 180°. STUB CONDUIT ENDS OUT 2" FROM WALLS OR 2" ABOVE FINISHED FLOORS. VERIFY COMPLIANCE WITH ALL LOCAL CODES AND REGULATIONS.

H. ALL HOLES OR SLEEVES THROUGH FLOORS, WALLS AND CEILINGS, AS REQUIRED FOR THE INSTALLATION OF REFRIGERATION, DRINK, ELECTRICAL OR PLUMBING LINES AS SHOWN ON THESE PLANS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING HOLES AND SLEEVES AFTER INSTALLATION OF THE LINES.

J. ALL PADS OR CURBS FOR FOOD SERVICE EQUIPMENT AND/OR ROOF OR SERVICE AREA MOUNTED COMPRESSOR RACKS. VERIFY COMPLIANCE WITH LOCAL CODES AND REGULATIONS.

K. ALL OPENINGS IN WALLS AS INDICATED ON THESE PLANS FOR ANY RECESSED OR SEMI-RECESSED CONTROL PANELS.

M. SLOPE ALL FLOORS TO FLOOR SINKS, FLOOR DRAINS OR FLOOR TROUGHS. VERIFY COMPLIANCE WITH LOCAL CODES.

N. A MINIMUM OF 150 LBS. PER SQUARE FOOT FLOOR LOADING, OR HIGHER AS REQUIRED BY LOCAL CODES.

P. RECOMMENDED FINISHED CEILING HEIGHTS IN KITCHEN AREAS AND FOR SPECIFIC FOOD SERVICE EQUIPMENT ARE AS FOLLOWS:

1) KITCHEN AREAS WITH HOODS:	9'-0"
2) COOLER/FREEZER AREAS:	9'-6"
3) GENERAL AREAS:	8'-0"
4) ICE MACHINE AREAS:	9'-0"

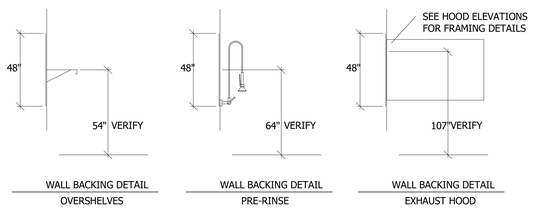
ADEQUATE SPACE IS NEEDED ABOVE THE FINISHED CEILINGS FOR MECHANICAL AND ELECTRICAL WORK, ESPECIALLY FOR EXHAUST HOOD DUCTING. PLEASE NOTIFY RJS+ASSOCIATES IF HEIGHTS ARE LESS THAN RECOMMENDED MINIMUMS.

ADDITIONAL NOTES:

A. GENERAL CONTRACTOR TO PROVIDE FLOOR DEPRESSION TO MATCH OLD FLOOR TROUGH OR 4" DEEP WHICHEVER IS GREATER AT THIS LOCATION. FILL EXCESS ABANDONED FLOOR TROUGH AND PROVIDE, PLUS INSTALL TROUGH PAN. VERIFY DIMENSIONS WITH THE EXISTING SITE CONDITIONS AND NEW EQUIPMENT. VERIFY CODE COMPLIANCE AND COORDINATE INSTALLATION WITH ASSOCIATED TRADES.

WALL BACKING DETAILS

NOT-TO-SCALE



NOTES:
1. ALL DIMENSIONS ARE FROM ℄ TO ℄ FINISHED FLOOR
2. ALL WALL BACKINGS TO BE PLYWOOD SECURELY ATTACHED TO WALL STUDS

ABBREVIATION

(E)	EXISTING
(X)	EXISTING TO BE REMOVED
(R)	RELOCATE
NIC	NOT IN CONTRACT
U.O.N.	UNLESS OTHERWISE NOTED
FBO	FURNISHED BY OTHERS
FF & E	FIXTURES FURNISHINGS AND EQUIPMENT
(+)	ABOVE FINISHED FLOOR
DN (+)	DOWN FROM CEILING TO HEIGHT ABOVE ABOVE FINISHED FLOOR
CONN	CONNECTION
G	GAS
MBTUH	1000 BTU/HR
TWR	TOWER WATER RETURN
TWS	TOWER WATER SUPPLY
PD	PRESSURE DROP
CFM	CUBIC FEET PER MINUTE
FPM	FEET PER MINUTE
SR	STEAM RETURN
SS	STEAM SUPPLY

MECHANICAL SYMBOLS

THE FOLLOWING SYMBOLS MAY BE USED IN DRAWINGS

MECHANICAL LEGEND

SYMBOLS	
	RETURN AIR DIFFUSER
	SUPPLY AIR DIFFUSER
	SUPPLY AIR LINEAR DIFFUSER
	FLOOR DEPRESSION
	MASONRY PAD
	NON-COMBUSTIBLE WALL MATERIAL (VERIFY REQUIREMENTS WITH LOCAL CODES)
	FINISHED WALL OPENING
	SUPPLY DUCT
	EXHAUST DUCT
	DIRECT CONNECT FLUE (VERIFY REQUIREMENTS WITH LOCAL CODES)
	AIR MOVEMENT / HEAT REMOVAL (VERIFY REQUIREMENTS WITH LOCAL CODES)
	REFER TO INDICATED NOTE

CONDUIT NOTES:

1. CONDUIT TO BE PROVIDED BY GENERAL CONTRACTOR

2. CONDUIT RUNS ABOVE CEILING MUST HAVE A SMOOTH INTERIOR WITH MINIMUM INSIDE DIMENSION OF SIX INCHES, AND HAVE ONLY ONE (1) 24" MINIMUM RADIUS SWEEP BEND AT EACH END

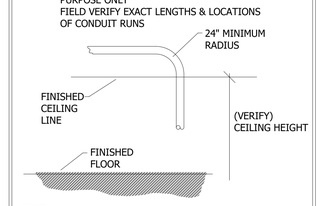
3. DURING CONSTRUCTION, CONDUIT TO BE FINISHED AT 24"-AFF. TO BE CONSTRUCTED WITH INTERNALLY SMOOTH, LEAK TIGHT JOINTS.

4. CONDUIT TO BE CAPPED AND SEALED AT BOTH ENDS DURING CONSTRUCTION. INSTALLER TO TRIM EXPOSED ENDS.

5. AFTER PRODUCT LINES ARE INSTALLED, THE OPEN ENDS OF THE CONDUIT ARE TO BE FILLED AND SEALED (WATERTIGHT) APPROXIMATELY 2 TO 4 INCHES AT EACH END.

CONDUIT SCHEMATIC - ABOVE CEILING

DETAIL IS NOT TO SCALE * FOR SCHEMATIC PURPOSE ONLY
FIELD VERIFY EXACT LENGTHS & LOCATIONS OF CONDUIT RUNS



NOTE:
CONDUIT MUST BE A MINIMUM OF 6"-AFF; IN ORDER TO MEET ALL STANDARD HEALTH CODES

RESORTS WORLD CATSKILLS

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Reference Cover Sheet for Consultant Directory

BIDDING & CONSTRUCTION
07/06/2022

NOT FOR CONSTRUCTION

ISSUE	07/06/2022
JOB	H18064.19
DRAWN	Author
SCALE	

REVISIONS

MECHANICAL NOTES

K-0201

DRAWING PRINTED FULL SIZE (100%) = 30"x42" | DRAWING PRINTED HALF SIZE (50%) WILL FIT ON A SHEET 18"x24" WITH 1 1/2" OF EXTRA SPACE ON ALL FOUR SIDES | DRAWING PRINTED NEARLY THIRD SIZE (32.5%) = 11"x15" | INDIVIDUAL 1/2", 1/4", 1/8", 3/16" AND 3/32" THE TRANSLATION IS CLOSE ENOUGH TO USE THE DENOMINATOR EQUIVALANT AND CHANGE THE NUMERATOR TO 1. EXAMPLE 3/8"=1'-0" AT 1/3" PLWILL BE NEARBY TO 1/4"=1'-0"
DRAWING PRINTED AT 1/8" = 1'-0" AT 1/3" PLWILL BE 3/64"=1'-0" FOR SCALES AT 3/4", 3/8", 3/16" AND 3/32" THE TRANSLATION IS CLOSE ENOUGH TO USE THE DENOMINATOR EQUIVALANT AND CHANGE THE NUMERATOR TO 3. FOR EXAMPLE 1/8"=1'-0" AT 1/3" PLWILL BE 1/24"=1'-0" | DRAWING PRINTED HALF SIZE (50%) WILL FIT ON A SHEET 18"x24" WITH 1 1/2" OF EXTRA SPACE ON ALL FOUR SIDES | DRAWING PRINTED NEARLY THIRD SIZE (32.5%) = 11"x15" | INDIVIDUAL 1/2", 1/4", 1/8", 3/16" AND 3/32" VIEW SCALES WILL TRANSLATE BY MULTIPLYING
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