MECHANICAL GENERAL

- A. THE CONTRACTOR FOR THIS WORK IS REFERRED TO "INSTRUCTIONS TO BIDDERS" AND "GENERAL CONDITIONS" AND "SPECIAL CONDITIONS" AS PART OF THIS CONTRACT.
- CONTRACTOR ALSO REFERRED TO ALL ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND OTHER OWNER DRAWINGS PERTAINING TO PROJECT. ALL OF ABOVE MENTIONED DRAWINGS, AS WELL AS THEIR RESPECTIVE SPECIFICATIONS. ARE A PART OF CONTRACT DOCUMENTS.
- C. MECHANICAL DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPLEMENT EACH OTHER, FURNISH ANY MATERIAL OR LABOR CALLED FOR IN ONE EVEN THOUGH NOT SPECIFICALLY MENIODED IN BOTH.
- INSTALL AND CONNECT EQUIPMENT, SERVICES AND MATERIALS IN ACCORDANCE WITH BEST ENGINEERING PRACTICE AND ACCORDANCE WITH VARIOUS MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS. FURNISH AND INSTALL COMPILER DIXTLARY PIPING, VALVES, WATER SEALS, ELECTRICAL CONNECTIONS, ETC., RECOMMENDED BY MANUFACTURER OR REQUIRED FOR PROPER OPERATION.
- FURNISH MATERIAL OR LABOR WHICH IS NEITHER SHOWN ON DRAWINGS OR CALLED FOR IN SPECIFICATIONS BUT WHICH IS OBVIOUSLY A COMPONENT PART OF AND NECESSARY TO COMPLETE WORK OF SIMILAR CHARACTER.
- G. THIS CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ODDINANCES AND ALL LOCAL LEGAL REQUIREMENTS. ALL LAWS, RULES AND REGULATIONS OF STATE AND LOCAL OWERWIN AGENCIES SHALL BE CONSIDERED A PART OF THESE SPECIFICATIONS AS FULLY AS IF WRITTEN HERBIN.
- H. THIS CONTRACTOR SHALL TAKE OUT PERMIT WITH PROVISIONS OF INSPECTION BEFORE STARTING ANY WORK. FEE FOR SAME SHALL BE PART OF THIS CONTRACT.
- WHEN WORK IS COMPLETED, THIS CONTRACTOR SHALL FURNISH TO THE ARCHITECT CERTIFICATES OF APPROVAL FROM THE RESPONSIBLE INSPECTION AGENCIES.
- . THE BID SHALL CONTEMPLATE THE PURNISHING AND INSTALLING OF MATERIAL AND EQUIPMENT, DAVILLY AS SPECIFIED ON SHOWN AS SHALM BY THE CONTINGED DOCUMENTS. THE CONTINGED OF COMMON OF THE CONTINGED OF THE SHALL SHAUTHAN, METHOD AND THE CONTINGED OF THE SHAUTH COUPMENT CHARACTERISTICS SUBMITTED. BIDS SUBMITTED SHALL USE ANY THESE OF MATERIAL OF EQUIPMENT OTHER THAN SPECIFIED OF SHAUMAR TO THE ORSE CALLED FOR SUBSTITUTIONS SHALL BE APPROVED SENEM WORKING DAYS BEFORE BIDS ARE SUBMITTED, OTHERWISE, THIS CONTINUED SHALL COMPLY WITH SPECIFICATION FROGRESSIAN.
- INSTALL FINAL APPLICATION OF LUBRICATION OIL, REFRIGERANT CHARGE, AND ALL OTHER SUPPLIES NECESSARY TO PLACE THE EQUIPMENT IN OPERATION.

- O. SUBBIT SHOP DEWINNES, CHADIC SHETTS TOR EQUIPMENT, FERTINES, DUCTHORK LAYOUT, WHIRD MUSRAMS, TECH, IN SKY (6) COPPS TO THE ARCHITECT FOR REVIEW. EACH THE TRACES OF THE
- ASSEMBLE AND SUBMIT TO THE ARCHITECT FOR SUBSEQUENT SUBMISSION TO THE OWNER, TWO (2) COMPLETE SETS OF OPERATIONS MANUALS AND MANTENANCE REQUIREMENTS, COPY OF FIXTURE CUTS WITH ANALYSCUTRER'S NAME AND MODEL NUMBER, EQUIPMENT WARRANTES, ETC OR FACH TIEM TUNNISHIO.
- Q. ALL CONTRACTORS MUST CORDINATE EACH PIECE OF EQUIPMENT WITH ALL OTHER TRADES (GENERAL CONTRACTOR, PLUMBING CONTRACTOR, MECHANICAL CONTRACTOR, ETC.) AFFECTED BY THAT PIECE OF EQUIPMENT (ROOF OPENINSS, WIGHTS, POWER REQUIRMENTS, VOLTAGES, RTC.) PRIOR TO ORDERING EQUIPMENT AND AGAIN PRIOR TO INSTALLATION (ROOFTOP COUPMENT PRIOR TO JUTILIO CONTROLLY ORDOR). NO EXTRA COMPENSION WILL BE APPROVED IF CORDINATION IS NOT PERFORMED BY EACH RESPECTIVE CONTRACTOR AN SUBCONTRACTOR.
- . THIS CONTRACTOR SHALL VISIT SITE BEFORE SUBMITTING BID AND MAKE ALL NECESSARY OBSERVATIONS, MEASUREMENTS, AND NOTIC CONDITIONS UNDER WHICH HIS WORK IS TO BE PERFORMED, NO EXTRA COMPRESSION WILL BE ALLOWED FOR PRUMER TO DO SO. THIS CONTRACT INVOLVES TREMODELING OF EXISTING BUILDING AND ITERRIFORE SHALL FIELD LOCATE DASTING DUCKHORK, PHIPM AND SEMENS BUTONE STARTING WORD.

UNIFACT INVOLVES REMODELING OF EMSINION WILL BE ALLOWED TOR FAULURE TO BO SO. THIS CONTROLLED TO THE CONTROLLED TO SO. THE CONTROLLED THE CONTRO The Appelled Profession And Control of the Apple of the A

PLUMBING SPECIFICATIONS

- CONNECT SEWER, GAS, VENTS AND WATER LINES AS INDICATED ON THE PLUMBING PLANS. DETERMINE THE EXACT LOCATION OF ALL EXISTING SERVICE CONNECTIONS BEFORE STARTING THE INSTALLATION OF ANY WORK. COORDINATE ALL WORK WITH OTHER TRADES, THE GENERA CONTRACTOR AND THE OWNER'S FIELD REPRESENTATIVE.
- B. PLUMBING WORK SHALL CONFORM TO GOOD ENGINEERING PRACTICE AND BE IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODES AND OWNER'S REQUIREMENTS. PLUMBING CONTRACTOR SHALL BE LICENSED IN THIS AREA TO PERFORM THE NEW WORK.
- SANTARY SEWERS AND VENIS INSIDE OF THE BUILDING SHALL BE SERVICE WEIGHT, CAST RON, NO HUB WITH COUNTRESSON TYPE REOPRENE JOINIS. ABS OR PVC SCHEDULE 40 PIPING SHALL BE AS APPROVED BY HE LOCAL JULIFIEDT AND OWNER IN CONCEXALED (UNDERFLOOR ANI WALS) LOCATIONS ONTI: CELLING PLENUM WILL BE USED; NO PLASTIC PIPING WILL BE PERMITTED WITH CELLING PLENUM WILL BE USED; NO PLASTIC PIPING WILL BE
- CAS PIPING ABOVE GROUND SHALL BE SCHEDULE 40 BLACK STEEL WITH 125 POUND BLACK MALLFARE IRON SCRIPTO FITTINGS. GAS PIPING COMPOUND AT JOINTS SHALL BE PER NEPA BULLETIN \$6 AND LOCAL CODES. GAS VALVES SHALL BE LESTED FOR AS SEXFOC SUCH AS DEZURICK MODEL S-425 FOR 2° AND LESS, WITH DEZURICK MODEL F-425 FOR 2-1/2 AND LARGER.
- INSULATE ALL HOT WATER PIPING, COLD WATER PIPING, RETURN HOT WATER PIPING, ROOF DRAIN PIPING, OVERFLOW ROOF DRAIN PIPING, ROOF DRAIN SUMPS AND OVERFLOW ROOF DRAIN SLAWS WITH NONCOMBUSTIBLE ARMSTRONG "ARMAPLEN" YEEF I FOMM INSULATION WITH SEALD JOINTS OR WITH OWENS CORNING PIERGALASS ASJ/SSL—II HEAVY DENSITY PIPE INSULATION WITH VAPOR BARRER AND SEALD JOINTS. ONLOUGHD THE TOTAL OF THE STATE AND SEALD JOINTS. ONLOUGHD THE TOTAL OF T

COLD WATER PIPING 1-1/2" AND OVER
COLD WATER PIPING 1-1/2" AND OVER
HOT WATER PIPING 1-1/2" AND OVER
RETURN HOT WATER PIPING 1-1/2" AND OVER
RETURN HOT WATER PIPING 10-10 1-1/4"
RETURN HOT WATER PIPING 10-12" AND OVER
ROOT PIAN & COVERTOW ROOF DIANN PIPIN
GOT PIAN & COVERTOW ROOF DIANN PIPIN
GOT PIPIN SUMPS & COVERTOW ROOF DIANN SUMPS

- PLUMBNG CONTRACTOR SHALL INSTALL SHOCK ABSORBERS IN PIPMG SYSTEM TO PROTESTI MOSEY AND DAMAGE DUE TO WAITER HAMBER, WHERE NETESSAYS. BBANCH PIPMG SHALL HAVE ACCESSIBLE SERVICE VALVES. PROVIDE SHUT-OFF WALVES IN THE SUPPLY PIPMG TO EVERY FIXURE.
- PLUMBING CONTRACTOR SHALL PROVIDE 1 SET OF 'AS-BUILT' DRAWINGS TO THE OWNER.
- CHLORING OF WITHOUT SPELL PROVIDE, 1 SEL OF MS—BULL! DRAWNED TO THE OWNER.

 WITH CEACH POTABLE WATER UNIL. COMPANIANTED WATER PORCE SYSTEM SHALL BE FLUSHED WITH CEACH POTABLE WATER UNIL. COMPANIANTED WATER DORS NOT MPERA AT THE OUTLET AND SHALL BE FILLED WITH A SOLUTION CONTINNING SO PRISTS PER MULLION OF CHLORING AND ALLOWED TO STAND FOR A PERIOD (AS PRESSMED BY THE CODE) BETORE FLUSHING. HE SYSTEM SHALL BE FLUSHED COMPLETELY WITH CLEAR WATER UNIT! ALL RESIDUAL CHLORING CONTENT IS REMOVED. CHLORINGTON SHALL BE PERFORMED AFTER ALL PRIME AND FINAL CONNICTIONS AND PRESSURE TESTING HAS BEEN COMPLETED. IF, ATTENDED HAVE SEEN CHORINGTON SHALL BE PRESSURED THE PRESSURE TESTING.
- LABOR SHALL BE PERFORMED IN A WORKMANLIKE MANNER BY MECHANICS SKILLED IN THEIR PARTICULAR TRADE. PIPE AND EQUIPMENT SHALL BE INSTALLED SQUARE AND PLUMB AND ACCESSIBLE FOR PROPER OPERATION AND SERVICE.
- CUTTING OR PATCHING NECESSARY TO PERMIT THE INSTALLATION OF ANY WORK UNDER THIS
 CONTRACT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.

- PIPING
 1. ALL PIPING SHALL BE RUN CONCFALED EXCEPT WHERE SHOWN OTHERWISE ON DRAWINGS.
 2. WALYS, ROPS, CLEMOUTS AND OTHER APPARATUS STALL BE INSTALLED IN AT EASILY ACCESSBEE LOCATION.
 3. SOIL WASTE, VAID, O'TSTES AND HOUSE DRAINS STALL BE INSTALLED WITH A MINIMUM UNFORM GROUP O'T 1/8" TO THE FOOT FOR 3" THAT O'T PIPE AND 1/4" TO THE FOOT FOR
- SOU. WASTE, VENI, O FINIS AND THE TOOT FOR 3" THRU 6 PER AND THE TOO FOR THE T
- WALL.
 CONNECTIONS FROM STEEL TO COPPER PIPING SHALL BE MADE WITH DIELECTRIC TYPE
 UNIONS, EPCO OR OTHER APPROVED TYPE.
- COPPER PIPING SHALL BE SUPPORTED AT INTERVALS NOT TO EXCEED 8"-0" AND AT EACH CHAPTER IN FOREIGN TO SEE WHITE THE SHAPE PROPERTY PRODUCTION OF WHITE THE SHAPE PROPERTY PRODUCTION OF WHITE THE SHAPE PROPERTY PROPERTY PROPERTY OF WHITE THE SHAPE PROPERTY PROPERTY PROPERTY PROPERTY SHAPE PROPERTY SHAPE PROPERTY SHAPE PROPERTY PARKET LOCATION. WHERE SPETCH CAPE ARE WESTED SHALL BE INSTALLED AT EVERY HANGER LOCATION. WHERE SPETCH CAPE ARE WESTED THE SECONDAL SHAPE PROPERTY OF THE PIPE INSULATION. SHELDS SHALL BE FORINGING AND THE OFFICIAL PROPERTY PRO

NOMINAL PIPE SIZE 0" - 1-1/2" 2" - 3" 3-1/2" AND UP METAL GAUGE

- CLEAN OUT ALL LINES, ADJUST ALL VALYES AND CLEAN ALL PLUMBING FLY EQUIPMENT. ALL PLUMBING FIXTURES SHALL BE SEALED AT FLOOR AND LINES WITH CLE SULCOME CAULK.

FIRE PROTECTION SPECIFICATIONS

- THE CONTRACTOR FOR THE FIRE PROTECTION WORK SHALL BE A RECOGNIZED, QUALIFIED AND LIGENSED FIRE PROTECTION CONTRACTOR, PRIMARILY ENGAGED IN THE DESIGN AND INSTALLATION OF FIRE PROTECTION SYSTEMS.
- THE FIRE PROTECTION SHOP DRAWINGS, INCLUDING DRAWINGS AND HYDRAULIC CALCULATIONS SHALL BE PREPARED BY A STATE CERTIFIED SPRINKLER SYSTEM DESIGNER.
- THE COMPLETE INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ALL STATE, LOCAL AND MATIONAL CODES AND ALL APPLICABLE SECTIONS OF THE NATIONAL FIRE PROTECTION ASSOCIATION.
- E. ELECTRICAL POWER SHALL BE PROVIDED AS DESCRIBED UNDER DIVISION 16
- THE CONTRACTOR SHALL SUBMIT COMPLETE 1/4" SCALE SHOP DRAWINGS SHOWING DETAILS OF CONSTRUCTION, FABRICATION, EQUIPMENT, DEVICES, ETC., INSTALLATION AND WIRING OF ALL COMPONENTS FOR ALL WORK AS INDICATED AND SPECIFIED (FIREIN.
- IT IS ESSENTIAL FOR THE COORDINATION OF ALL TRADES THAT THIS CONTRACTOR BE RESPONSIBLE FOR CONFIRMING THE LOCATIONS AND ELEVATIONS OF HIS PIPING AND EQUIPMENT AT THE JOB SITE, TO AVOID ENCROACHING UPON THE SPACE NEEDED AN ALLOCATED FOR ANOTHER TRADE.

- THE UNDERGROUND PIPING SHALL BE HYDROSIATICALLY TESTED TO 200 PSI FOR TWO HOURS. THE NEW LINE SHALL BE THOROUGHLY FLUSHED. TESTING AND FLUSHING SHALL BE COMPLETED BEFORE CONNECTION TO THE MISIE PIPING.
- MAKE HYDROSTATIC TEST ON SPRINKLER SYSTEM, 200 PSI FOR 2 HOURS.
- ALL DEFECTS MADE EVIDENT BY THE TESTS SHALL BE PROPERLY REPAIRED BY THE SPRINKLER CONTRACTOR. LEAKS IN OVERHEAD UNES SHALL BE REPAIRED ONLY BY MEANS OF TIGHTENING OR REPLACING THE RITHING AND NOT RESORTING TO ANY CAULKING METHOD.
- UPON COMPLETION OF THE ENTIRE FIRE PROTECTION SYSTEM ARRANGE TO HAVE THE FIRE INSPECTION BUREAU REPRESENTATIVE AND THE PROPER INSURANCE COMPANY AVAILABLE TO WITHERS THE ACCEPTANCE TEST
- WORKING DRAWINGS SHALL BE SUBMITTED TO THE STATE INSPECTION SERVICE, LOCAL GOVERNING AUTHORITY HAVING JURISDICTION, AND TO THE OWNERS FIRE INSURANCE UNDERWRITE'S FOR APPROVAL AND PERMITS. ALL DEVICES AND MATERIALS PERIAN ALL FIRE PROTECTION WORK SHALL BEAR THE U.L. STAMP OF APPROVAL
- GUARANTEE OF WORK UNDER THIS SECTION OF THE SPECIFICATIONS SHALL BE FOR A PERIOD OF ONE YEAR AFTER COMPLETION AND FORMAL ACCEPTANCE OF THE PROTECTION SYSTEMS.
- SPRINKLER MAINS 3" AND LARGER TO BE THIN WALL SCHEDULE AND LESS PIPE AND FITTINGS SHALL BE SCHEDULE 40 MILD STE MALLEABLE OR DUCTILE IRON. SCREWED CAST IRON FITTINGS 2"
- 175 PSI COLD WATER RAING.

 GATE VALVES IN THE FIRE SYSTEM SHALL BY A APPROVED O.S.&Y. VALVE, W.W.P. CHECK VALVES IN FIRE LINES AND STRUNCER LINES SHALL BY A LI

- KLER RISERS ON STEEL SADDLES AND SUPPORT ALL SPRINKLER PIPING, ETC., N NFPA-13. INSTALLATION OF SPRINKLER EQUIPMENT.
- OVIDE NEW INSPECTOR'S TEST CONNECTION ON EACH FLOW SWITCH SYSTEM BUSHING CONNECTIONS — 4" LONG NIPPLE AND CAP SHALL BE PROVIDED AT ENDS OF ALL CROSS MAINS.

- BB. USE DIELECTRIC CONNECTIONS OR INSULATOR COUPLINGS WHERE PIPE MATERIALS CHANGI FROM FERROUS TO NON-FERROUS. MAKE SCREWED JOINTS WITH PIPE COMPOUND APPLIED TO MALE THREADS ONLY. ALL CUT ENDS OF THE PIPE SHALL BE CAREFULLY REAMED TO FULL SIZE. U.L. APPROVED FLEXIBLE COUPLINGS ARE PERMITTED ON ALL FEED MAINS.
- PLACE VALVES AS SHOWN ON THE DRAWINGS, VALVES SHALL NOT BE INSTALLED WITH STEMS IN LESS THAN A HORIZONTAL POSITION. ALL FIRE VALVES SHALL BE MONITORED WITH TAMPER SWITCHES.
- FF. ROD SIZE FOR ALL HANGERS SHALL BE AS SPECIFIED IN NFPA-13.
- GG. SPRINKLER PIPING SHALL BE SUPPORTED FROM STRUCTURAL MEMBERS WHEREVER POSSIBLE. ALL PIPING LOCATED BENEATH A ROOF SHALL BE HUNG FROM THE ROOF TRUSSES.
- HH. SPRINKLER SYSTEM TO INCLUDE 5-YEAR RE-CERTIFICATION PRESSURE TEST

HEATING, VENTILATING & AIR CONDITIONING SPECIFICATIONS

- A. IN RESPECT TO ALL MATERIALS REQUIRED, THE CONTRACTOR SHALL FURNISH MATERIALS METING ARE, MEMA, NELA, ASME AND ASTIN SPECIFICATIONS. THE INSTALLATION OF ALL WORK SHALL CONTORN TO SHERE GUIDE AND SHEET META PROMUTION PLAN ISTANDAROS. THE MECHANICAL CONTRACTOR IS RESPONSIBLE TO PAY ALL FEES FOR PERMITS PRIOR TO STARTING WORK.
- MATERIALS SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED, AND SHALL BE PROTECTED FROM ALL INJURY UNTIL FINAL ACCEPTANCE OF THE SYSTEM. MECHANICAL CONTRACTOR SHALL BE LICENSED IN THIS AREA TO PERFORM THE NEW WORK.
- C. THIS CONTRACTOR SHALL REMOVE ALL TOOLS, SURPLUS MATERIALS AND DEBRIS OF ALL KINDS FROM HIS WORK AND LEAVE ALL IN A CLEAN, PERFECT CONDITION, FULLY SATISFACTORY TO THE ABCHITECT.
- D. CONTRACTOR SHALL PROVIDE OWNER WITH ONE (1) SET OF "AS-BUILT" DRAWINGS
- E. FURNISH ALL MATERIALS, TRANSPORTATION, RIGGING, HOISTING, ETC. TO PROVIDE A COMPLETE AND OPERABLE HEATING, AIR CONDITIONING AND VENTILATING SYSTEM.
- ALL EQUIPMENT IS TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER, ACCORDING TO MANUFACTURERS RECOMMENDATIONS AND GOOD PRACTICES. COORDINATE ALL WORK WITH OTHER TRADES AND WITH THE GENERAL CONTRACTOR.
- ALL TEMPERATURE CONTROL WIRING SHALL BE DONE BY THE MECHANICAL CONTRACTOR. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR ANY 120V/24V COI TRANSFORMERS REQUIRED AND EQUIPMENT PURCHASH.
- H. SYSTEM IS DE AR BALANCED BY A CERTIFICED NOFFENDENT BALANCE C COM, RETURN OF AND DEMUSI OF WITH THREE (3) REPORTS SUBMITTED HERE (5) AMENTANCE MANALS FUNCED OFFE (1) OWNER BETOR FITTED HERE (5) AMENTANCE MANALS FUNCED OFFE (3) PERFORMENT (EXCEPT ARE CONDITIONING COMPRESSOR SHALL HIVE THE (5) YEAR ARRE EXCHANGES SHALL HIVE A TO YEAR MARKINY.
- DUCTWORK AND PLENUMS SHALL BE AS SCHEDULED CONSTRUCTION" CLASSIFICATION.

- TRAPS FOR DUCTS (BENT UNDER BOTTOM OF
- DOUBLE WALL SPIRAL INSULATED ROUND DUCTS (SALES AREA
 - SIMILAR MANUFACTURERS: MCGILL AIRFLOW CORPORATION, SEMCO INCORPORATED, TANGENT AIR CORP., SPIRAL MFG. CO. INC. AND LINDAB. SHALL BE: MACHINE MADE FROM ROUND SPIRAL LOCKSEAM DUCT WITH LIGHT REINFORCING CORRUGATIONS, GALWANIZED STEEL OUTER WALL, 2 INCH THICK GLASS FIBER INSULATION (MINIMUM &O. R-ALUE INSTALLED), PERFORATED GALVANIZED STEEL INNER WALL; FITTINGS MANUFACTURED WITH PERFORATED INNER WALL;
- FURNISH AND INSTALL ALL MANUAL SPLITTER DAMPERS AND DEFLECTORS INDICATED OF DRAWINGS OR NECESSARY TO PROPERLY DISTRIBUTE AND BALANCE AIR.
- L. HVAC EQUIPMENT SHALL BE AS SCHEDULED ON DRAWING. M. INSULATION SHALL BE AS FOLLOWS:

- DUCTS PASSING THRU ROOF SHALL BE PROVIDED WITH INSULATED ROOF CURB AND COUNTERFLASHING.
 OTHER APPROVED MANUFACTURERS: MANSVILLE, KNAUF, CERTAINTEED.

- P. FLEXIBLE INSULATED DUCT SMALL BE THERMAFLEX TYPE M-KE FACTORY ASSEMBLED DUCT CONSISTING OF COLD ROLLED THAT STEEL SPRING, CONTINUOUS NON-PERTOWATED INNER AIR STREAMS OF METALETS THAT WAS A STREAMS OF METALETS THAT WAS

GENERAL NOTES:

- THE MECHANICAL CONTRACTOR SHALL ALSO ARRANGE THE FINAL INSPECTIONS BY THE BUILDING AUTHORITIES.
- ALL ROOFTOP EQUIPMENT SHALL BE CONVEYED VIA A CRANE TO THE PROPER LOCATION. ANY OTHER METHOD MUST BE APPROVED BY THE PROJECT MANAGER. DO NOT ROLL UNITS ACROSS ROOF.
- NO PIPING, HANGERS, DUCTWORK, ETC., SHALL BE SUSPENDED FROM ROOF DECK. ALL ITEMS SHALL BE SUSPENDED FROM STRUCTURAL STEEL.
- 4. ALL ROOF COUPMENT (ROOF CURBS) SHALL BE FURNISHED AND INSTALLED BY MECHANICAL BE BY THE GENERAL CONTROLLED. IT IS A SHALL BE BY THE GENERAL CONTROLLED, IT IS A SHALL BE BY COME BY THE GENERAL CONTROLLED ROOFING SUBCONTRACTOR. CUTHER BY THE ROOFING SHALL BE DONE BY THE ROOFING SUBCONTRACTOR. CUTHER SHALL BE DONE BY THE ROOFING SUBCONTRACTOR. A METTING SHALL BY DONE BY THE ROOFING SHALL BY DONE BY THE ROOFING SHALL BY THE RO
- MECHANICAL CONTRACTOR TO MAINTAIN MINIMUM 15 FEET BETWEEN EXHAUST VENTS, FANS, ETC., AND OUTSIDE AIR INTAKES.
- MECHANICAL CONTRACTOR SHALL VERIFY VOLTAGES WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING OF ANY AND ALL MECHANICAL EQUIPMENT.
- MECHANICAL CONTRACTOR SHALL INSURE A MINIMUM 10'-0" WORKING CLEARANCE FROM EDGE OF BUILDING.
- A/C CONDENSATE DRAIN PIPING SHALL BE TYPE 'L' HARD DRAWN COPPER TUBING (ASTM B-88 LATEST REVISION) WITH WROUGHT COPPER FITTING AND SOLDERED JOINTS WITH 95-5 TIN ANTHORNY
- BB LATEST REMISION) WITH WROUGHT COPPER FITTING AND SOLDERED JOINS WITH 195-5
 TIN ANTIHOLOUS METHERS COPPER PIPING AND FERROUS PIPING OR EQUIPMENT SHALL BE MADE
 CONNECTION BETWEEN COPPER PIPING AND FERROUS PIPING OR EQUIPMENT SHALL BE MADE
 ARRO, WROUGHT COPPER FITTINGS (LONG RADIUS ELBOWS). COPPER TO BRASS OR SITEL
 ARRO, WROUGHT COPPER FITTINGS (LONG RADIUS ELBOWS). COPPER TO BRASS OR SITEL
 JOINTS SYALL BE MADE USING A 45% SILVER ALLOY SUCH A 75%-PLO' WITH FUS.
 INERT INTROCEN SHALL BE FERSED THROUGH HEP PIPING DURING BRAZING OPPRATIONS TO
 PREVENT COMMITTE ONLY, HOCKEW OUTS
 AFTER THE INSTALLATION IS COMPLETE, LEAK TEST THE COMPLETE SYSTEM USING A
 MIXTURE OF INTROCEN AND SYSTEM REPROGRAPM PERSURPED TO 75 PSIG.
 AFTER ELEKT TESTING, THE ENTIRE PIPING SYSTEM SHALL BE EXACUTED TO 1,500
 AFTER REVOLUTION, THE SYSTEM SHALL BE CHARGED WITH THE PROPER AMOUNT OF
 REFERRICEMENT FOR DESIGNED OPERATION.
 THE REPRESENT LINES WE BE PREI-ENGINEED WITH THE PROPER AMOUNT OF
 REFERRICEMENT CORD DESIGNED OPERATION.
 THE REPRESENT LINES WE BE PREI-ENGINEED WITH THE PROPER AMOUNT OF
 REFERRICEMENT FOR DESIGNED OPERATION.
 OF MALTERAL LISTED ABOVE.

 A) RETERMINED THE STATE OF THE PIPING SYSTEM SHALL BE VINIT MANUFACTURER INSTEAD
 OF MALTERAL LISTED ABOVE.

 A) RETERMINED THE STATE OF THE PIPING SYSTEM SHALL BE TO THE WITH THE PROPER AMOUNT OF
 REFERENCEMENT FOR DESIGNED OPERATION.

 B) CONDENSATION OF THE PIPING SYSTEM SHALL BE TO THE WITH THE PROPER AMOUNT OF
 REFERENCEMENT FOR DESIGNED OPERATION.

 B) CONDENSATION OF THE PIPING SYSTEM SHALL BE THE PIPING SYSTEM SHALL B

- CONDENSATE DRAIN LINE FROM AHU TO BE INSULATED WITH 1" THICK ARMAFLEX PIPE

PETER M HONEVEOR VA LICENSE NUMBER 40202654 EXP:11/30/2019

PMH ASSOCIATES, INC

lgijarrı Lummış

William J Fearon AIA

Durlington

BURLINGTON STORES, INC.

1830 ROUTE 130 NORTH BURLINGTON, NEW JERSEY 08016

TENANT IMPROVEMENT FOR MANASSAS, VA STORE #188

> SUDLEY TOWN PLAZA 7685 SUDLEY ROAD MANASSAS, VA 20109

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PROJECT NUMBER

MECHANICAL SPECIFICATIONS

M3.0