CONTRACTOR REQUIREMENTS

GENERAL REQUIREMENTS:

1. ALL WORK SHALL BE PERFORMED BY A LICENSED MECHANICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. ALL WORK-MANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE NATIONAL, STATE AND LOCAL CODES AND ORDINANCES.
2. IT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO PROVIDE ALL LABOR, MATERIALS, AND SUPERVISION NECESSARY TO ACCOMPLISH THE WORK SHOWN AND/OR NOTED ON THE DRAWINGS. THE DRAWINGS ARE DIAGRAMMATIC: DO NOT SCALE FOR EXACT LOCATIONS. THE MECHANICAL CONTRACTOR SHALL INSTALL ALL NECESSARY OFFSETS, BENDS, AND TRANSITIONS AS REQUIRED TO PROVIDE A COMPLETE AND FULLY OPERATIVE SYSTEM. MECHANICAL CONTRACTOR SHALL NOTIFY ENGINEER IF DUCT SIZE CHANGES ARE REQUIRED BECAUSE OF EXISTING CONDITIONS.
3. IT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR FOR THE ADVANCED SUBMISSION OF LONG LEAD ITEM SUBMITTALS FOR REVIEW AND APPROVAL BY THE MECHANICAL ENGINEER. THE CONTRACTOR SHALL PRIORITIZE CRITICAL ITEM SUBMITTALS ACCORDINGLY TO MINIMIZE INTERFERENCE WITH THE PRODUCTION OF OTHER TRADES RESULTING IN POTENTIAL FOR ANY DOWN OR LAG TIME ON THE OVERALL PROJECT.
4. MECHANICAL CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS, TESTS, AND ALL REQUIRED INSURANCE FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
5. AFTER BID SELECTION AND PRIOR TO COMMENCEMENT OF WORK, THE MECHANICAL CONTRACTOR SHALL SUBMIT (DIGITAL PDF COPIES) OF EQUIPMENT CUTS FOR ALL DUCT WORK (FABRICATION DRAWINGS, INSULATION, ETC), EXHAUST FANS, AIR DEVICES, PIPING, INSULATION, KITCHEN EQUIPMENT, DAMPERS, VALVES, CONTROLS PACKAGE INCLUDING ALL REQUIRED COMPONENTS, AND EQUIPMENT AS STATED ON SCHEDULES AND OR NOTES. IF THE MECHANICAL CONTRACTOR PROPOSES TO USE ANY ARTICLE, DEVICE, PRODUCT, OR MATERIAL WHICH IS NOT AS SPECIFIED, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVE ON THE SUBMITTAL TO BE ISSUED THAT THE PROPOSED SUBSTITUTION IS EQUAL, WILL FIT ALLOCATED SPACE, AND MEETS ALL CODE REQUIREMENTS. CONTRACTOR VERIFICATION/CONFIRMATION SHALL BE COMPLETED PRIOR TO SUBMITTAL TO THE MECHANICAL ENGINEER. ANY AND ALL CHANGES REQUIRED BY OTHER TRADES DUE TO PRODUCT SUBSTITUTION IS THE SOLE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE AND INCLUDE IN BASE BID PACKAGE.
6. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR TO ORIGINAL CONDITION ANY AND ALL DAMAGES TO BUILDING SURFACES, EQUIPMENT, AND FURNISHINGS CAUSED BY THE MECHANICAL CONTRACTOR DURING THE PERFORMANCE OF WORK.
7. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
8. THE MECHANICAL CONTRACTOR SHALL PROVIDE A COMPLETE SET OF AS BUILT DRAWINGS TO THE ENGINEER UPON COMPLETION OF INSTALLATION. IF FIELD CHANGES ARE MADE WHICH DEVIATE FROM ENGINEERING DRAWINGS TO THE EXTENT THAT THE BUILDING DEPARTMENT REQUIRES THESE CHANGES BE INCORPORATED PRIOR TO INSPECTION, THE MECHANICAL CONTRACTOR SHALL PROVIDE SKETCHES TO THE ENGINEER FOR INCORPORATION INTO THE BUILDING PLANS. ENGINEERING EXPENSES THAT ARE INCURRED DUE TO REVISIONS, REQUESTED SUBSTITUTIONS, HIDDEN AND/OR EXISTING CONDITIONS, RFI'S, OWNER CHANGES, ETC. SHALL BE COORDINATED DIRECTLY WITH THE GENERAL CONTRACTOR AND OWNER AND PAID FOR BY THAT MECHANICAL CONTRACTOR.
9. PRIOR TO INSTALLATION, THE MECHANICAL CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF ALL EQUIPMENT WITH THE OWNER'S REPRESENTATIVE AND THE ACTUAL EQUIPMENT BEING FURNISHED.
10. ALL EQUIPMENT AND DESIGN COMPONENTS WHERE INDICATED ON THE DRAWINGS ARE OUTLINED FOR INFORMATION ONLY AND THE MECHANICAL CONTRACTOR SHALL INCLUDE THE INSTALLATION OF CONDUIT AND WIRE AS REQUIRED. THE INSTALLATION OF NEW EQUIPMENT THAT INTERFERES WITH EXISTING OR OTHER TRADES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER, G.C., ARCHITECT, AND ENGINEER FOR DIRECTION WITH CONTRACTOR SUGGESTIONS TO REMOVE, RELOCATE, OR RE-ROUTE TO PERMIT COMPLETION OF SUCH WORK AS DEEMED REQUIRED IN THE FIELD.

MECHANICAL NOTES

GENERAL NOTES:

1. ALL MECHANICAL SYSTEMS AND COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE 2014 FLORIDA BUILDING CODE, 5TH EDITION – MECHANICAL, BUILDING, FIRE, FUEL GAS CODE AND ENERGY CONSERVATION CODES AS ARE APPLICABLE TO THE PROJECT IN ADDITION TO ALL NATIONAL FIRE CODES AND LOCAL AHJ AND/OR UTILITY REQUIREMENTS WHICH APPLY.
2. ALL MECHANICAL EQUIPMENT SHALL BE CLOSELY COORDINATED WITH STRUCTURAL SYSTEM, PLUMBING SYSTEM, AND ELECTRICAL SYSTEM TO ENSURE PROPER COMPLIANCE WITH CODES AND ENSURE THAT ALL TRADES WILL NOT CONFLICT WITH EACH OTHER.
3. DO NOT SCALE DRAWINGS, DRAWINGS ARE DIAGRAMMATIC. SCALE WHERE INDICATED IS FOR REFERENCE ONLY.
4. PROVIDE TWO COPIES OF INSTALLATION, OPERATION, AND MAINTENANCE MANUALS TO THE OWNER WITHIN 15 CALENDAR DAYS OF ACCEPTANCE OF THE SYSTEM.
5. PROVIDE A ONE YEAR WARRANTY FOR ALL WORK PERFORMED BEGINNING ON THE DAY THE SYSTEM IS COMPLETELY OPERATIONAL AND ACCEPTABLE BY THE OWNER.
6. MECHANICAL MECHANICAL CONTRACTOR SHALL VISIT SITE TO VERIFY EXISTING CONDITIONS. HE/SHE WILL NOT BE EXCUSED FROM DOING REQUIRED WORK BECAUSE HE/SHE DID NOT VISIT THE SITE.

8. MECHANICAL MECHANICAL CONTRACTOR SHALL HAVE A FULL TEST AND BALANCE REPORT FOR REVIEW/APPROVAL. M.C. SHALL PROVIDE A CERTIFIED TEST AND BALANCE REPORT AT THE ENGINEER'S FINAL INSPECTION FOR CHECKING. SEE MECHANICAL SPECIFICATIONS FOR REQUIREMENTS.

INSTALLATION/MATERIALS NOTES:

1. ALL PIPING AND DUCTWORK LOCATIONS SHALL BE COORDINATED WITH THE WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS, TO AVOID INTERFERENCE.
2. FLEXIBLE DUCT SHALL BE INSULATED FLEXMASTER TYPE 9M (OR EQUAL). MAXIMUM LENGTH OF FLEXIBLE DUCT SHALL BE 4'-0".
3. PENETRATIONS OF NONRATED WALLS, PARTITIONS AND FLOORS OF NON-COMBUSTIBLE CONSTRUCTION SHALL BE FIRESTOPPED WITH NONCOMBUSTIBLE MATERIALS. PENETRATIONS OF NONRATED WALLS, PARTITIONS AND FLOOR OF COMBUSTIBLE CONSTRUCTION SHALL BE FIRESTOPPED WITH MATERIALS EQUIVALENT TO TWO INCHES OF WOOD. FIRESTOPPING SHALL COMPLY WITH ASTM E-814.
4. PROVIDE MANUFACTURER'S RECOMMENDED CLEARANCES AROUND AIR HANDLING UNITS FOR MAINTENANCE AND FILTER REMOVAL
5. CONDENSATE DRAIN PIPING AND FITTINGS SHALL BE COPPER TYPE "L". DRAINS FROM AIR HANDLING UNITS SHALL BE TRAPPED. TERMINATE ROOFTOP UNIT DRAINS ON A CONCRETE SPLASHBLOCK.
6. ALL REFRIGERANT PIPE SHALL BE NITROGENIZED ACR COPPER TUBE AND INSULATED WITH 1" ARMAFLEX.
7. MECHANICAL MECHANICAL CONTRACTOR SHALL VERIFY LOCATION OF ROOF PENETRATIONS FOR RELIEF HOODS AND OUTSIDE AIR HOODS WITH ARCHITECT & OWNER PRIOR TO INSTALLATION.
8. MECHANICAL MECHANICAL CONTRACTOR SHALL PAINT ALL RELIEF AND INTAKE HOODS TO MATCH ROOF.
9. MECHANICAL MECHANICAL CONTRACTOR SHALL LOCATE EXHAUST FANS, OUTLETS, AND GAS FLUES A MINIMUM OF 10'-0" FROM ANY OUTSIDE AIR INTAKE.
10. MECHANICAL MECHANICAL CONTRACTOR SHALL LOCATE ALL EQUIPMENT A MINIMUM OF 10'-0" FROM EDGE OF ROOF AND/OR PARAPET AS REQUIRED BY CODE REGARDLESS OF LOCATIONS INDICATED ON PLANS. COORDINATE INSTALLATION LOCATIONS WITH ARCHITECTURAL AND STRUCTURAL PRIOR TO ROUGHING-IN.
11. ALL PIPING, DUCTS, VENTS, ETC., EXTENDING THROUGH WALLS AND ROOF SHALL BE FLASHED AND COUNTERFLASHED IN A WATERPROOF MANNER.
12. COORDINATE ROOFTOP EQUIPMENT WITH STRUCTURE FOR EXACT EQUIPMENT LOCATION.
13. SPACE ABOVE CEILING IS LIMITED. M.C. TO FIELD VERIFY EXACT DUCTWORK LOCATIONS TO FIT IN SPACE.
14. MECHANICAL CONTRACTOR SHALL PROVIDE FIRE DAMPERS WHERE DUCTWORK PENETRATES ANY/ALL FIRE RATED WALLS/CEILINGS/PARTITIONS WHETHER FIRE DAMPERS INDICATED ON DRAWINGS OR NOT. COORDINATE WITH ARCH. DWGS FOR FIRE RATED LOCATIONS.
15. TEE-BAR CEILING GRID IS USED. GENERAL CONTRACTOR SHALL MAKE SURE THE GRILLES/DIFFUSERS/LIGHITING FIXTURES WILL FIT PROPERLY IN THE GRID.

CONTROLS NOTES:

1. ANY DEVICE REQUIRING A THERMOSTAT FOR CONTROL SHALL BE FURNISHED WITH A THERMOSTAT WHETHER INDICATED ON THE DRAWINGS OR NOT. LOCATE ALL THERMOSTATS AND SWITCHES 4'-0" ABOVE FINISH FLOOR. VERIFY EXACT LOCATION OF THERMOSTATS WITH THE OWNER/ARCHITECT BEFORE INSTALLING TO AVOID INTERFERING WITH OTHER DISPLAY. PROVIDE THERMOSTAT WITH WATER RESISTANT OPTION WHERE USED IN WET ENVIRONMENT AREA.
2. PROVIDE COMBINATION MAGNETIC STARTER/DISCONNECT WITH HAND-OFF-AUTO (H.O.A) SELECTOR SWITCH FOR EACH MOTOR SPECIFIED TO OPERATE AT 200 VOLTS OR HIGHER. PROVIDE MANUAL STARTER/DISCONNECT WITH HAND-OFF-AUTO (H.O.A) SELECTOR SWITCH FOR EACH MOTOR SPECIFIED TO OPERATE AT 120 VOLTS. ALL EQUIPMENT SUPPLIES WITH INTERGRAL STARTERS SHALL BE PROVIDED WITH DISCONNECTS.
3. DUCT MOUNTED SMOKE DETECTORS SHALL BE WIRED TO SUPERVISORY INDICATOR DEVICES TO MEET NFPA 72, SECTION 17.4.8 REQUIREMENTS. EACH DEVICE MUST BE PERMANENTLY LABELED TO ACCURATELY IDENTIFY THE UNIT SERVED TO MEET NFPA 72, SECTION 17.7.5.5.4 REQUIREMENTS. SEE PLANS FOR INFORMATION.
4. ALL CONTROL VOLTAGE WIRING IN EXPOSED AREAS TO BE IN RIGID CONDUIT.

SHEETMETAL/INSULATION NOTES:

1. ALL DUCTWORK SHALL BE GALVANIZED SHEET METAL CONSTRUCTED IN ACCORDANCE WITH THE LATEST SMACNA STANDARDS. ALL DUCT DIMENSIONS ON PLANS ARE SHEET METAL SIZE. DUCT DIMENSIONS HAVE BEEN INCREASED IN SIZE TO ALLOW FOR LINER WHERE REQUIRED, SIZES LISTED ARE O.D. FABRICATION DUCT DIMENSIONS. SPIRAL DUCTWORK SHALL BE DOUBLE WALL TYPE. NO ADDITIONAL SHEET METAL DUCT SIZE INCREASE REQUIRED PRIOR TO DUCT FABRICATION. ALL DUCT RUNOUTS TO GRD AIR TERMINAL DEVICES TO BE PROVIDED AS ROUND SPIRAL DUCT WITH R-6.0 EXTERNAL WRAP AND MAXIMUM 4'-0" OF FLEXIBLE DUCT SECTIONS. ALL DUCT RUNOUTS TO BE SIZED PER GRD AIR TERMINAL NECK SIZE AS INDICATED ON SCHEDULE AND REQUIRED BY MANUFACTURER. COORDINATE ALL DUCT SIZES PRIOR TO BIDDING, NO EXCEPTIONS. CONTRACTOR SHALL REFERENCE DUCTWORK INSULATION SCHEDULE ON PLANS FOR ALL DUCTWORK INSULATION REQUIREMENTS.
2. ALL LINED DUCTWORK SHALL BE LABELED AS --"X--" (L). DUCT DIMENSIONS HAVE BEEN INCREASED IN SIZE TO ALLOW FOR LINER WHERE REQUIRED. ALL WRAPPED DUCTS SHALL BE LABELED AS -- X -- (WR).
3. OUTSIDE AIR DUCTWORK SHALL BE WRAPPED WITH 2" FIBERGLASS DUCT WRAP WITH VAPOR BARRIER IN LIEU OF DUCT LINER.

MECHANICAL LEGEND

SYMBOLS NOTE: NOT ALL SYMBOLS ARE USED ON PLANS.

- SUPPLY AIR DUCT
- RETURN AIR DUCT
- EXHAUST AIR DUCT
- SUPPLY DUCT TURNING UP
- RETURN/EXHAUST DUCT TURNING UP
- SUPPLY DUCT TURNING DOWN
- RETURN/EXHAUST DUCT TURNING DOWN
- RISE IN DUCT (ARROW INDICATES AIRFLOW DIRECTION)
- DROP IN DUCT (ARROW INDICATES AIRFLOW DIRECTION)
- TRANSITION IN DUCT, SQUARE TO SQUARE
- DUCT ROUTED UP/DOWN
- TRANSITION IN DUCT, SQUARE TO ROUND
- DUCT CAPPED AND SEALED
- DUCTWORK WITH INTERNAL LINER (X"LINED)
- DUCTWORK TRANSTION FROM HARD ROUND TO FLEXIBLE
- SQUARE THROAT DUCT ELBOW WITH TURNING VANES
- SQUARE THROAT DUCT ELBOW WITHOUT TURNING VANES
- FULL RADIUS ELBOW
- FLEXIBLE DUCT CONNECTION
- 45 DEGREE TAP
- CONICAL TAP
- SPIN-IN FITTING W/ VOLUME DAMPER & FLEXIBLE DUCT
- ROUND FLEXIBLE DUCT (4'-0" MAX. LENGTH)
- VOLUME BALANCING DAMPER
- BOTTOM REGISTER
- SQUARE-TO-ROUND BRANCH DUCT TAKE-OFF
- TRANSITION
- TEE WITH TURNING VANES AND SPLITTER DAMPER
- SQUARE ELBOW WITH TURNING VANES
- S.A. CFM / R.A. CFM / E.A. CFM — SEE AIR DISTRIBUTION SCHEDULE AIR QUANTITY REQUIRED
- PIPE UP
- PIPE DOWN
- VALVE IN VERTICAL
- G — GAS PIPING ABOVE ROOF, SIZED PER PLANS
- G — GAS PIPING BELOW ROOF, SIZED PER PLANS
- CD — CONDENSATE DRAIN PIPING
- RS — REFRIGERANT SUCTION LINE
- RL — REFRIGERANT LIQUID LINE
- HG — REFRIGERANT HOT GAS LINE
- CONNECT NEW TO EXISTING
- THROUGH PLAN SECTION
- ACCESS DOOR/PANEL
- 3' MIN — EQUIPMENT ELECTRICAL ACCESS WITH SERVICE CLEARANCE OUTLINE

SYMBOLS NOTE: NOT ALL SYMBOLS ARE USED ON PLANS.

- SUPPLY AIR GRILLE/DIFFUSER/REGISTER (S.A.)
- RETURN AIR GGRILLE/DIFFUSER/REGISTER (R.A.)
- EXHAUST AIR GRILLE/DIFFUSER/REGISTER (E.A.)
- 1" DOOR UNDERCUT, COORD /W DOOR SCHEDULE
- DUCT MOUNTED HUMIDITY SENSOR
- WALL MOUNTED PROGRAMMABLE VAV BOX ZONE SENSOR
- CARBON DIOXIDE MONITOR, WALL MOUNTED (DEMAND BASED VENTILATION)
- WALL MOUNTED THERMOSTAT WITH HUMIDITY CONTROLLER
- WALL MOUNTED THERMOSTAT WITH LOCKED CLEAR COVER
- P — WALL MOUNTED PRESSURE CONTROLLER
- 120V M — 120V/1ø MOTOR OPERATED DAMPER
- SD — DUCT MOUNTED SMOKE DETECTOR
- DG — DOOR GRILLE (TRANSFER AIR), SIZE PER PLANS
- CP — CONDENSATE PUMP, 120V/1ø
- APR — APR VALVE
- HOA — WALL MOUNTED SWITCH: HAND-OFF-AUTO (HOA) SWITCH WITH MOTOR STARTER/DISCONNECT (120 VOLTS – SINGLE PHASE)
- HOA — WALL MOUNTED SWITCH: HAND-OFF-AUTO (HOA) SWITCH WITH COMBINATION MAGNETIC STARTER/DISCONNECT (200 VOLTS OR HIGHER – 3 PHASES)
- CO — CARBON MONOXIDE DETECTOR
- SPLITTER DAMPER
- F.D. — UL LISTED DYNAMIC TYPE FIRE DAMPER
- R.D. — UL LISTED RADIATION DAMPER
- EQUIPMENT CLEARANCES, TYPICAL
- ENLARGED PLAN SHEET REFERENCE
- WALL LOUVER /W INSULATED PLENUM BOX
- IN-LINE EXHAUST FAN (GENERAL EXHAUST)
- CEILING EXHAUST FAN (GENERAL EXHAUST)
- OUTDOOR CONDENSING UNIT/HEAT PUMP
- ELECTRIC WALL HEATER /W UNIT MOUNTED THERMOSTAT
- DUCTLESS AIR HANDLING UNIT
- PACKAGED ROOFTOP UNIT
- ROOF MOUNTED EXHAUST FAN
- ROOF MOUNTED UTILITY EXHAUST FAN
- VEHICLE EXHAUST HOSE REEL
- 120V — ROOF MOUNTED INTAKE HOOD /W 120V MOTORIZED DAMPER
- FAN POWERED VAV BOX
- INFRARED GAS FIRED TUBE HEATER

ABBREVIATIONS

AHU	AIR HANDLING UNIT
AC	AIR CURTAIN
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
APD	AIR PRESSURE DROP
ATC	AUTOMATIC TEMPERATURE CONTROLS
BC	BRANCH CONROL BOX
BE	BOTTOM ELEVATION
BHP	BRAKE HORSE POWER
BTUH	BRITISH THERMAL UNITS PER HOUR
CUH	CABINET UNIT HEATER
CC	COOLING COIL
CD	CONDENSATE DRAIN LINE
CL	CENTERLINE
CFM	CUBIC FEET PER MINUTE
CG	CEILING GRILLE
CHWS/R	CHILLED WATER SUPPLY/RETURN
CW	CITY WATER (DOMESTIC)
CP	CONDENSATE PUMP
D	DRAIN
DB	DRY BULB TEMPERATURE
DIA, ø	DIAMETER
DDC	DIRECT DIGITAL CONTROLS
DN	DOWN
DWS	DOUBLE WALL SPIRAL DUCTWORK
DWG	DRAWING
EA	EXHAUST AIR
EAD	EXHAUST AIR DAMPER
EDP	EMERGENCY DRIP PAN
(E)	EXISTING
(ER)	EXISTING RELOCATED
(ERR)	EXISTING REMOVED AND RELOCATED
ESP	EXTERNAL STATIC PRESSURE
EF	EXHAUST FAN
FCU	FAN COIL UNIT
F	FAN
FC	FLEXIBLE CONNECTION
G	GRILLE
GF	GAS FURNACE
GL	GLYCOL PIPING (BY OTHERS)
HC	HEATING COIL
HG	HOT GAS PIPING
HP	HORSEPOWER
HWS/R	HEATING HOT WATER SUPPLY/RETURN
KEF	KITCHEN EXHAUST FAN
(L)	LINED DUCTWORK
LPS	LOW PRESSURE STEAM
MUW	MAKE UP WATER
MAX	MAXIMUM
MA	MIXED AIR
MBH	ONE THOUSAND BTUH
MD	MOTORIZED DAMPER
MTD	MOUNTED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAD	OUTSIDE AIR DAMPER
OC	ON CENTER
OSD	OPEN SITE DRAIN
PC	PUMPED CONDENSATE
PCR	PUMPED CONDENSATE RETURN
PD	PRESSURE DROP
PH	PHASE
PMU	PAD MOUNTED UNIT
RA	RETURN AIR
RAD	RETURN AIR DAMPER
RAG	RETURN AIR GRILLE
(R)	REMOVE
R	RETURN FAN
RS/RL	REFRIGERANT SUCTION/LIQUID LINES
RTU	ROOFTOP UNIT
SA	SUPPLY AIR
SENS	SENSIBLE
TD	TRANSFER DUCT
TYP	TYPICAL
TOS	TOP OF SLAB
UH	UNIT HEATER
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
VF	VENTILATION FAN
VRV	VARIABLE REFRIG. VOLUME
V	VOLTS
VD	VOLUME DAMPER
VIF	VERIFY IN FIELD
W/	WITH
WMS	WIRE MESH SCREEN
WO	WALL OPENING
(WR)	WRAPPED DUCTWORK

WIND LOADING / DESIGN

ALL ROOFTOP EQUIPMENT SHALL BE DESIGNED/RESTRAINED FOR WIND LOAD:
BASIC WIND SPEED = 142 MPH PER ASCE-7-10
EXPOSURE CATEGORY = B

MECHANICAL DRAWING SCHEDULE

DRAWING NUMBER	DESCRIPTION	SCALE
M-001	MECHANICAL LEGENDS & GENERAL NOTES	N/A
M-002	MECHANICAL SCHEDULES	N/A
M-003	MECHANICAL DETAILS	N/A
M-101	FLOOR PLAN – MECHANICAL	3/16"=1'-0"
M-201	ROOF PLAN – MECHANICAL	3/16"=1'-0"

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6/22/2018 11:21:02 AM PDT

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ISSUANCE

REVISIONS

NO.	DATE	DESCRIPTION
1	02.27.18	REVIEW COMMENTS II

FILE NUMBER	18030
PROJECT MANAGER	
PROFESSIONAL	
DRAWN BY	DRH
CHECKED BY	MMS

MECHANICAL LEGENDS & GENERAL NOTES

M-001