

# SPECIFICATIONS

## 07210 - INSULATION

- A. INSULATION UNDER SLABS-ON-GRADE AND FOUNDATION WALL INSULATION SHALL BE 2" EXTRUDED POLYSTYRENE BOARD INSULATION; DOW SM, R=10.

## 07530 - SINGLE PLY MEMBRANE ROOFING

- A. SINGLE PLY ROOFING MEMBRANE, ETHYLENE PROPYLENE DIENE MONOMER (EPDM), 60 MIL, FULLY-ADHERED SYSTEM, BLACK COLOR. MANUFACTURER SHALL INCLUDE A 15 YEAR TOTAL SYSTEM WARRANTY.
- B. RIGID INSULATION BOARD - EXTRUDED POLYSTYRENE OR POLYISOCYANURATE INSULATION BOARD, R=5.0/INCH. STAGGER INSULATION JOINTS. (1.5#/SQ.FT. DENSITY)
- C. TAPERED RIGID INSULATION BOARD - 1/8 INCH/FT.
- D. ACCEPTED MANUFACTURERS: CARLISLE; VERSICO.
- E. CONTRACTOR SHALL WARRANT ROOF INSTALLATION FOR 12 MONTHS.

## 07600 - FLASHING AND SHEET METAL

- A. GUTTERS AND DOWNSPOUTS SHALL BE ALUMINUM 0.032" THICK (20 GAUGE) (MATCH THE COPING COLOR).
- B. PROVIDE PRECAST CONCRETE SPLASH BLOCK AT DOWN SPOUTS.

## 07620 - COPING

- A. THE ROOF COPING SHALL BE COLOR CLAD, 24 GA. SHOP FORMED COATED ALUMINUM, COLOR SELECTED FROM STANDARD MANUFACTURERS COLOR CHART. COLOR TO BE COLORKAD; ROMAN BRONZE.

## 07900 - JOINT SEALERS

- A. ELASTOMERIC JOINT SEALANTS SHALL COMPLY WITH ASTM C920.
- B. ONE PART NON-ACID CURING SILICONE SEALANT FOR USE T (CLASS 25) INTERIOR AND EXTERIOR, COLOR SELECTED BY OWNER.
- C. MULTI-PART POURABLE URETHANE SEALANT (CLASS 25), INTERIOR AND EXTERIOR JOINTS IN HORIZONTAL SURFACES COLOR TO MATCH ADJ. MATERIALS.
- D. ACRYLIC-EMULSION SEALANT, INTERIOR JOINTS, FIELD PAINTABLE, AT PERIMETER HOLLOW METAL DOOR FRAMES AND CONCRETE BLOCK.

## 08100 - STEEL DOORS AND FRAMES

- A. SUBMIT SHOP DRAWINGS FOR STEEL DOORS AND FRAMES.
- B. HOT ROLLED STEEL SHEETS: ASTM A568 AND ASTM A569.
- C. COLD ROLLED STEEL SHEETS: ASTM A366 AND ASTM A568.
- D. GALVANIZED STEEL SHEETS: ASTM 526 AND ASTM A525 (EXTERIOR ONLY).
- E. EXTERIOR FRAMES GALVANIZED, 16 GAUGE.
- F. EXTERIOR DOORS: SDI-100, GRADE III, EXTRA HEAVY DUTY, MODEL 2, MINIMUM 16 GAUGE FACES, GALVANIZED.
- G. APPLY SHOP COAT OF PRIME PAINT.
- H. THERMAL RATED (INSULATING) ASSEMBLIES: ASTM C236, U FACTOR OF 0.24 BTU/HR-FT<sup>2</sup>-DEG F. - EXTERIOR DOORS ONLY.

## 08710 - FINISH HARDWARE

- A. BEST 7 PIN MORTICE LOCKSET, REMOVABLE CORE LOCK/HANDLE COMBINATION: BEST # 35HEW15M626RHRB
- B. HINGES (2 PAIR) - STANLEY FBB 199 4-1/2 X 4-1/2, HEAVY WEIGHT, FOUR BALLBEARING STAINLESS STEEL, NON-REMOVABLE PINS. -26D
- C. REINFORCING PIVOT HINGE EQUAL TO; HAGER 253-2C.
- D. OVERHEAD STOP AND HOLDER EQUAL TO; GLYNN JOHNSON 905F-US32D
- E. CLOSER - LCN, OR APPROVED EQUAL; 4110N W/ SPECIAL FOOT (TO WORK WITH OVERHEAD STOP/ DOOR CHECK).
- F. WEATHERSTRIPPING AT JAMBS AND HEAD EXTRUDED ALUMINUM WITH FLEXIBLE BULB OR LOOP INSERT OF VINYL, CONFORMING TO MIL R 6055, CLASS II, GRADE 40.
- G. KEYING SYSTEM: OWNER SHALL REMOVE TEMPORARY CONSTRUCTION CORE AND INSTALL FINAL CORE AND KEYS.
- H. THRESHOLD WEATHERSTRIPPING - SOLID NEOPRENE WIPER OR SWEEP SEAL COMPLYING WITH MIL R 6055, CLASS II, GRADE 40.
- I. ALUMINUM THRESHOLD 5" WIDE. PEMKO #171 AFG.
- J. KICKPLATE: 10" X 1" FROM SIDES, 1" FROM BOTTOM, STAINLESS STEEL.
- K. LATCH GUARD DEVICE TO BE GLYNN JOHNSON; LP-1, OR EQUAL.
- L. DRIP CAP EQUAL TO; NATIONAL GUARD 16AD X 48"

## 09900 - PAINTING

- A. CONCRETE BLOCK WALLS INTERIOR AND CONCRETE DECK INTERIOR.
- ONE COAT OF MASONRY BLOCK FILLER. (NEW, UNFINISHED ONLY)
  - TWO COATS OF SEMI-GLOSS LATEX ENAMEL.
  - COLOR: MATCH: GLIDDEN; 45YY-83/062, STOWE WHITE.  
- OR -  
1. ONE COAT PRATT & LAMBERT PRIMAFIL 2000 @ 50 S.F. PER U.S. GALLON. (NEW, UNFINISHED ONLY)
  - TWO COATS PRATT & LAMBERT VITRA SHIELD EGGSHELL  
- OR -  
TWO COATS PRATT & LAMBERT AQUA SATIN
  - COLOR: MATCH: GLIDDEN; 45YY-83/062, STOWE WHITE.  
- OR EQUAL -
- B. HOLLOW METAL DOORS AND METAL FRAMES.
- DOORS AND FRAMES SHALL BE PRIMED AT FACTORY.
  - TWO COATS OF GLIDDEN UH-8000 ULTRA HIDE SEMI-GLOSS ENAMEL.  
- OR -  
TWO COATS OF PRATT & LAMBERT EFFECTO ENAMEL.
  - COLOR: GLIDDEN; 40YY-20/081, PLATEAU GREY.

## 15000 - HVAC ( GENERAL )

- A. FURNISH ALL MATERIALS, LABOR, TOOLS, ADMINISTRATION, TRANSPORTATION, INCIDENTALS, AND APPURTENANCES WHICH ARE REQUIRED TO COMPLETE IN EVERY DETAIL AND LEAVE IN WORKING ORDER ALL ITEMS OF WORK CALLED FOR HEREIN OR SHOWN ON THE ACCOMPANYING DRAWINGS.
- B. INCLUDE ALL MINOR ITEMS OF WORK NECESSARY TO PROVIDE A FULLY OPERATIVE HVAC SYSTEM.
- C. CONSULT ALL CONTRACT DRAWINGS WHICH MAY AFFECT THE LOCATION OF ANY EQUIPMENT OR APPARATUS FURNISHED UNDER THIS WORK AND MAKE MINOR ADJUSTMENTS IN LOCATION AS NECESSARY TO SECURE COORDINATION.
- D. SYSTEM LAYOUT IS SCHEMATIC AND EXACT LOCATIONS SHALL BE DETERMINED BY STRUCTURAL AND OTHER CONDITIONS. THIS SHALL NOT BE CONSTRUED TO MEAN THAT THE DESIGN OF THE SYSTEM MAY BE CHANGED. THE EQUIPMENT LAYOUT IS TO BE COORDINATED WITH EQUIPMENT INCLUDED UNDER OTHER DIVISIONS OF THE SPECIFICATIONS.
- E. HEATING CONTRACTOR SHALL SUBMIT SIX (6) COPIES OF SHOP DRAWINGS AND/OR EQUIPMENT CUTS TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION OF THE FOLLOWING ITEMS.
- F. FURNISH DETAILED DRAWINGS OF THE FOLLOWING:
- PACKAGED UNITS/ AIR HANDLERS.
  - FAN COILS
  - REGISTERS, GRILLES AND DIFFUSERS.
  - CONTROLS, ETC.

## 15500 - HVAC UNIT ( PACKAGED SYSTEMS ) ( ELECTRIC HEAT )

- A. FURNISH AND INSTALL PACKAGED TERMINAL HEATING & COOLING UNITS.
- B. HVAC UNITS SHALL BE AS SCHEDULED.
- C. STEEL CABINET WITH BAKED ENAMEL FINISH AND INTERIOR INSULATION. OPEN WIRE NICHROME HEATING ELEMENTS, FAN AND LIMIT SAFETY CONTROLS, CENTRIFUGAL BLOWER, LOW AMBIENT KIT TO - 20 DEG. F., THERMOSTAT AND 24 VOLT CONTROL TRANSFORMER, THERMOSTAT AND SUB-BASE. 230 VOLT, 1 PHASE POWER SUPPLY.
- D. FIVE (5) YEAR COMPRESSOR WARRANTY.
- E. HVAC CONTRACTOR TO SET UNIT IN WALL AND CONNECT DUCTWORK AND LOW VOLTAGE WIRING.
- F. PROVIDE AND MOUNT HVAC ID TAGS MADE OF ENGRAVED BAKELITE FOR ALL COMPONENTS OF HVAC AND THERMOSTATS. (UNIT 1 & 2)
- G. PROPOSED CONDENSATE DRAIN LINE WITH TRAPS AND CLEAN OUT TEES ARE TO BE EMPTY INTO A COMMON 1" DIA. DRAIN LINE WITH CAPPED CLEAN OUT. DRAIN IS TO DISCHARGE 2" ABOVE GRADE IN GRAVEL SUMP 1' X 18" DEEP.

## 15831 - AIR DEVICES

- A. FURNISH AND INSTALL REGISTERS, GRILLES, AND DIFFUSERS WHERE SHOWN AND AS SCHEDULED ON DRAWINGS AS WELL AS ACCESSORIES. AIR DISTRIBUTION DEVICES SHALL BE AS SPECIFIED ON THE HVAC EQUIPMENT SCHEDULE.
- B. FURNISH ALL AIR DISTRIBUTION DEVICES WITH PRIME COATED AND BAKED ENAMEL FINISH AS SELECTED BY ARCHITECT.
- C. RETURN AIR GRILLS SHALL HAVE REMOVABLE FILTERS.

## 15832 - AIR BALANCE

- A. ADJUST SYSTEM TO PROVIDE CFM QUANTITIES AS SHOWN. SUBMIT A FINAL BALANCE REPORT FOR APPROVAL. REPORT TO INCLUDE BLOWER RPM, MOTOR FULL AND NO-LOAD AMPERES, AHU AND SYSTEM STATIC PRESSURES, ENTERING AND LEAVING AIR TEMPERATURES AT ALL HEAT EXCHANGE DEVICES (DB HEATING AND COOLING, WB COOLING), AIR QUANTITIES AND VELOCITIES AT TERMINAL INLET AND OUTLET DEVICES (WITHIN 10% OF DESIGN) AND AT INLET AND DISCHARGE OF AHU (WITHIN 5% OF DESIGN).

## 15936 - TEMPERATURE CONTROL

- A. FURNISH AND INSTALL ALL CONTROL DEVICES (I.E. THERMOSTATS, RELAYS, SWITCHES, ETC.) AND WIRING TO PROVIDE A COMPLETE 24-VOLT CONTROL SYSTEM. HVAC UNITS TO COND. UNITS.
- B. THERMOSTATS SHALL BE 1-STAGE HEAT/1-STAGE COOL WALL THERMOSTATS WILL CYCLE ITS RESPECTIVE UNITS BLOWER WITH HEATING OR COOLING TO MAINTAIN SPACE SET POINT, HEAT AND COOLING SET POINTS SHALL NOT OVERLAP. EACH THERMOSTAT TO HAVE A SUB-BASE WITH A MANUALLY OPERATED SYSTEM SWITCH PROVIDING HEAT/AUTO/OFF/COOL AND A FAN SWITCH PROVIDING ON/AUTO SELECTION. RUN ALL CONTROL WIRING IN EMT CONDUIT. CONCEAL CONDUIT IN WALL BETWEEN THERMOSTAT AND HVAC UNIT. USE FLEX CONDUIT FROM WALL SURFACE TO EQUIPMENT. EXTERIOR CONDUIT TO BE WEATHER-TIGHT. PROVIDE CONTROL WIRING BETWEEN THERMOSTATS, AIR HANDLERS, AND CONDENSING UNITS PER MANUFACTURERS WIRING DIAGRAMS. EQUAL TO HONEYWELL MODEL NO. T874A1150 THERMOSTAT WITH Q6743 1049 SUBASE.
- C. THERMOSTAT SET POINT RANGES: COOLING 70-85. HEATING 55-75.

## 16000 - ELECTRICAL

- A. CONDUIT FOR BUILDING ELECTRICAL SERVICE SHALL COORDINATE WITH LOCAL UTILITY COMPANY FOR LOCATION AND SIZE.
- B. FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND TOOLS TO PERFORM ELECTRICAL WORK SHOWN, NOTED OR SCHEDULED FOR A COMPLETE AND FINISHED INSTALLATION.
- ALL MATERIALS AND EQUIPMENT SHALL BE SPECIFICATION GRADE AND SHALL CARRY A U.L. LABEL.
  - MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SUCH AS APPEARS ON THE UNDERWRITERS LABORATORIES LIST OF APPROVED ITEMS AND SHALL MEET REQUIREMENTS OF ASTM, IEEE, IPCEA, NEC, NEMA, AND OTHERS RECOGNIZED STANDARDS AND SHALL BE SIZED IN CONFORMITY WITH REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND OTHER APPLICABLE CODES, WHICHEVER ARE MORE STRINGENT.
- C. THE WORK "PROVIDE" AS USED HEREIN MEANS TO FURNISH AND INSTALL COMPLETE.
- D. ALL WORK TO BE IN ACCORDANCE WITH NEC AND ALL APPLICABLE FEDERAL, STATES AND LOCAL CODES.
- E. SUBMIT MATERIAL LISTS AND SHOP DRAWINGS FOR MAJOR EQUIPMENT, FOR APPROVAL. SUBMITTAL SHALL BE IN ACCORDANCE WITH GENERAL CONDITIONS AND SHALL BEAR THE STAMP OF THE ELECTRICAL CONTRACTOR SHOWING THAT HE HAS REVIEWED AND APPROVED THEM. LACK OF SUCH CONTRACTOR'S APPROVAL WILL BE CAUSED FOR REJECTION WITHOUT REVIEW.
- F. CONDUIT SHALL BE STANDARD STEEL RIGID IMC OR EMT (THIN WALL) ACCORDING TO CODE REQUIREMENTS OR AS NOTED ON THE PLANS. CONNECTIONS SHALL BE STEEL SET SCREW TYPE.
- MINIMUM SIZES OF CONDUITS SHALL BE 3/4" FOR EMBEDDED IN CONCRETE AND FOR ALL OTHER APPLICATIONS. ELECTRIC METALLIC TUBING (EMT) SHALL BE GALVANIZED OR ELECTRO-GALVANIZED. FITTINGS SHALL BE OF THE STEEL SET SCREW TYPE. EMT SHALL BE USED FOR BRANCH CIRCUITS. EMT SHALL NOT BE CONCEALED IN POURED CONCRETE SLABS. IMC OR HEAVY WALL CONDUIT IS PERMITTED WITH SCREW CONNECTIONS.
  - FLEXIBLE METAL CONDUIT TO BE USED ONLY FOR SHORT CONNECTION TO FIXTURES AND EQUIPMENT AS PERMITTED BY CODE.
  - SEE GROUND DWG. FOR SPECIAL BENDING RADIUS REQUIREMENTS FOR GROUNDING CONDUCTORS.
  - CONDUIT FOR GROUNDING CONDUCTORS SHALL BE SCHEDULE 40 PVC.
  - GROUNDING ALL CONDUITS MUST HAVE GREEN GROUND WIRE (RACEWAY GROUND), GROUND BUSHINGS E2 TYPE.
- G. WIRE SHALL BE SINGLE CONDUCTOR COPPER WITH 600 VOLT INSULATION. #12 AND LARGER SHALL BE STRANDED. MINIMUM WIRE SIZE SHALL BE #12 EXCEPT #14 MAY BE USED FOR CONTROL. ALL WIRE AND CABLE SHALL BE NEW AND SHALL BE BROUGHT TO THE SITE IN UNBROKEN PACKAGES. ALL WIRING OF ANY TYPE SHALL BE IN CONDUIT.
- A. GENERAL WIRING SHALL BE THHN. (ALUMINUM CONDUCTORS ARE NOT PERMITTED.)
- H. WIRE CONNECTORS SHALL BE EQUAL TO SCOTCHLOCK FOR #8 AND SMALLER AND T & B "LOCK TITE" FOR #6 AND LARGER.
- I. LIGHTING FIXTURES, INCLUDING LAMPS, SHALL BE FURNISHED AS INDICATED ON ELECTRICAL PLAN. ELECTRICAL CONTRACTOR SHALL INSTALL ALL FIXTURES AND LAMPS. FLUORESCENT FIXTURES SHALL HAVE HPF BALLASTS. INTERIOR FLUORESCENT FIXTURES TO BE LITHONIA AF10-2-32-120-WGAFPV.

## 16000 - ELECTRICAL CONT.

- J. ALL CUTTING, CHASING OR CHANNELING AND PATCHING REQUIRED FOR ANY WORK UNDER THIS DIVISION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING THE GENERAL CONTRACTOR OF ANY CHASES OR OPENINGS REQUIRED PRIOR TO CONSTRUCTION. ANY CUTTING SHALL HAVE PRIOR APPROVAL OF OWNER. SLEEVES SHALL EXTEND AT LEAST TWO INCHES ABOVE FINISHED FLOOR & ALL SLEEVES, OPENINGS, ETC., THROUGH FIRE RATED WALLS AND FLOORS SHALL BE SEALED AFTER CONDUIT INSTALLATION TO RETAIN THEIR FIRE RATING.
- K. RECEPTACLES SHALL BE 15A-125V 3-WIRE GROUNDING TYPE EQUAL TO HUBBLE 5252. SWITCHES SHALL BE SPECIFICATION GRADE RATED 20A AT 120 VOLT. HUBBELL #1221. SPECIAL DEVICES SHALL BE A SPECIFICATION GRADE. DEVICE PLATES SHALL BE COLORS AS SELECTED.
- L. PROVIDE BRANCH CIRCUIT PANELS WHICH SHALL BE OF THE BOLTED CIRCUIT BREAKER TYPE WITH OVERALL DOOR, WITH TYPED DIRECTORY INSIDE DOOR. TWO AND THREE POLE BREAKERS SHALL BE COMMON TRIP TYPE. ALL EQUIPMENT SHALL BE AS SPECIFIED ON DRAWING AND AS MANUFACTURED BY SQUARE ±D' OR GENERAL ELECTRIC.
- M. ALL SAFETY AND DISCONNECT SWITCHES SHALL BE FUSED, AS CALLED FOR ON DRAWINGS AND AS REQUIRED BY CODE. SWITCHES SHALL BE HEAVY DUTY, LOAD AND HORSEPOWER RATED AS MANUFACTURED BY SQUARE 'D' OR GENERAL ELECTRIC. EQUIPMENT SAFETY DISCONNECTS MAY BE NON FUSED.
- N. OUTLET BOXES AND COVERS SHALL BE GALVANIZED, ONE-PIECE, PRESSED STEEL KNOCKOUT TYPE.
- O. JUNCTION, PULL BOXES AND COVERS SHALL BE GALVANIZED STEEL, CODE GAUGE SIZE.
- P. ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY SERVICES FROM POWER COMPANY FOR POWER AND LIGHTING AS REQUIRED AND FURNISH EXTENSION CORDS FOR HIS OWN USE. ALL TEMPORARY WIRING, FUSES, ETC., SHALL BE REMOVED UPON COMPLETION. PROVIDE GROUND FAULT PROTECTION AS REQUIRED BY N.E.C. AND LOCAL CODES.
- Q. PROVIDE ELECTRICAL SERVICE AS SHOWN ON THE DRAWINGS. ALL WORK NOT SPECIFICALLY NOTED AS BEING BY THE OWNER OR POWER COMPANY SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. CLOSELY COORDINATE ENTIRE INSTALLATION WITH OWNER AND POWER COMPANY AS REQUIRED.
- R. PAINTING OF ELECTRICAL CONDUITS, ETC., IF REQUIRED WILL BE BY GENERAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL RECORD ALL FIELD CHANGES IN HIS WORK AS THE JOB PROGRESS, AND UPON COMPLETION SHALL TURN OVER TO THE OWNER A "RECORD" SET OF PRINTS SHOWING THESE CHANGES.
- S. MANUAL MOTOR STARTERS WITH OVERLOAD PROTECTION MAY BE USED FOR FRACTIONAL HORSEPOWER MOTORS. SINGLE PHASE STARTERS SHALL BE SQUARE OR EQUAL.
- T. ALL ELECTRIC WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING SERVICING, MAINTAINING AND REPAIRING. HANGERS SHALL INCLUDE ALL MISCELLANEOUS STEEL, SUCH AS CHANNELS, RODS, ETC., NECESSARY FOR THE INSTALLATION OF WORK AND SHALL BE FASTENED TO THE STEEL, CONCRETE OR MASONRY, BUT NOT TO PIPING. EXPOSED CONDUITS SHALL BE IN STRAIGHT LINES PARALLEL WITH OR AT RIGHT ANGLES TO COLUMN LINES OR BEAMS OR WALLS AND SEPARATED AT LEAST THREE INCHES FROM WATER LINES WHEREVER THEY RUN ALONGSIDE OR ACROSS SUCH LINES. CONDUCTORS SHALL BE IN CONDUIT OR APPROVED RACEWAYS.
- U. IDENTIFICATION OF EQUIPMENT SHALL MEET THE FOLLOWING:
- NAMEPLATES SHALL BE PROVIDED FOR ALL ITEMS SUCH AS PANEL BOARD, CABINETS, SAFETY SWITCHES, TRANSFER SWITCH, (INCLUDING NORMAL AND EMERGENCY POSITION) CONTROL DEVICES AND OTHER SIGNIFICANT EQUIPMENT.
  - NAMEPLATES SHALL BE 1" X 2-1/2" LAMINATED BLACK PHENOLIC RESIN WITH A WHITE CORE WITH ENGRAVED LETTERING, A MINIMUM OF 3/16-INCH HIGH. RIVETS SHALL BE USED TO FASTEN ON SURFACE.
  - NAMEPLATES SHALL IDENTIFY THE EQUIPMENT ITEM THAT THE DEVICE IS SERVING AND ALSO FROM WHERE THE DEVICE IS BEING FED.
  - EACH ELECTRICAL DEVICE INCLUDING SWITCHES, J-BOXES, OUTLETS, DISCONNECTS, ETC. SHALL BE IDENTIFIED WITH CIRCUIT NUMBER IT SERVES WITH DIEBOLD TAPE ON THE OUTSIDE OF EACH DEVICE.
- V. GUARANTEE:
- FOR THE SAME PERIOD, ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED BY HIM.
- W. IT IS INTENDED THAT THE FOREGOING WORK SHALL BE COMPLETE IN EVERY RESPECT AND THAT ANY MATERIAL OR WORK NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS, BUT NECESSARY TO FULLY COMPLETE THE WORK SHALL BE FURNISHED.
- X. THE LOCATION OF OUTLETS AND EQUIPMENT SHOWN ON THE DRAWINGS IS APPROXIMATE AND THE OWNER SHALL HAVE THE RIGHT TO RELOCATE ANY OUTLETS OR FIXTURES BEFORE THEY ARE INSTALLED WITHOUT ADDITIONAL COST.
- Y. THE ELECTRICAL CONTRACTOR SHALL INCLUDE IN HIS PRICE THE PURCHASE OF EQUIPMENT, DRAWINGS, PROGRAMMING AND ACCEPTANCE TESTING FROM AN APPROVED GTE FIRE SYSTEM REPRESENTATIVE. THE APPROVED FIRE SYSTEM REP IS:
- MARTY MASSMAN ORR  
PROTECTION SYSTEMS 2416  
EAST WASHINGTON STREET SUITE  
B1 BLOOMINGTON, IL 61704  
(309) 661-8585
- Z. CONTRACTOR TO TEST GENERATOR RECEPTACLE AND ELECTRICAL WIRING WITH A PORTABLE GENERATOR ON SITE. (FURNISHED BY VERIZON) TEST TO BE IN ACCORDANCE WITH PRACTICE 743-200-070 AND CONTRACTOR TO COMPLETE TEST REPORT EXHIBIT 2 AND FORWARD TO THE PROJECT ENGINEER.

Revision	Date	No.

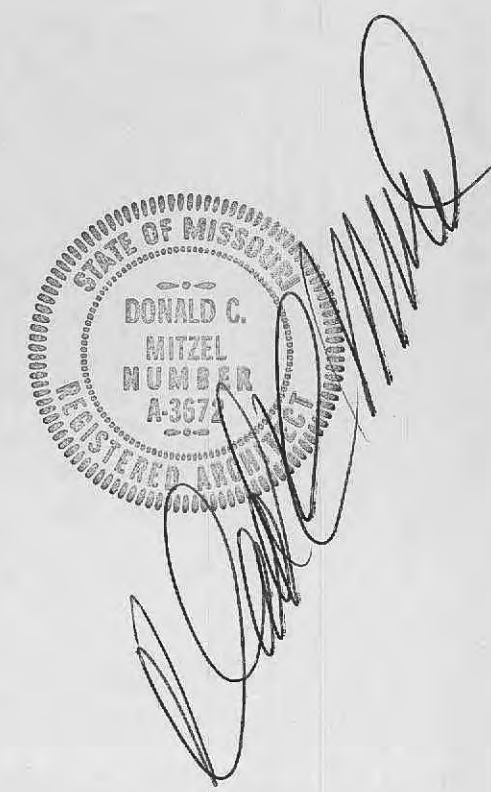
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DRAWINGS SHALL NOT BE SCALED.

QUESTIONS ON DIMENSIONS SHALL BE REFERRED TO THE ARCHITECT'S OFFICE.

CONTRACTORS SHALL VERIFY AND COORDINATE ALL DIMENSIONS, DETAILS, AND JOB CONDITIONS.



**verizon inc.**  
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## SPECIFICATIONS

Scale	AS NOTED	
Date	04-23-01	Comm No. 001998
In Charge	DCM	
Drawn By	FLC	
Checked By	SSS	

SP2