| | | AIR BALANC | E: -CFM | | |
|-----------------|---|-----------------------|-----------------------|-----------------------|------------------------|
| CFM SUPPLY AIR | _ | <u>RTU-1</u> 2,000 | <u>RTU-2</u> 2,000 | <u>RTU-3</u> 2,000 | <u>TOTALS</u> 6,000 |
| CFM OUTSIDE AIR | _ | 400 | 400 | 400 | 1,200 |
| CFM RETURN AIR | _ | 1,600 | 1,600 | 1,600 | 4,800 |
| CFM EXHAUST AIR | _ | 2,060 | N/A | N/A | 2,060 |

M.C. SHALL VERIFY EXACT LOCATION FOR THERMOSTATS WITH OWNER PRIOR TO INSTALLATION.

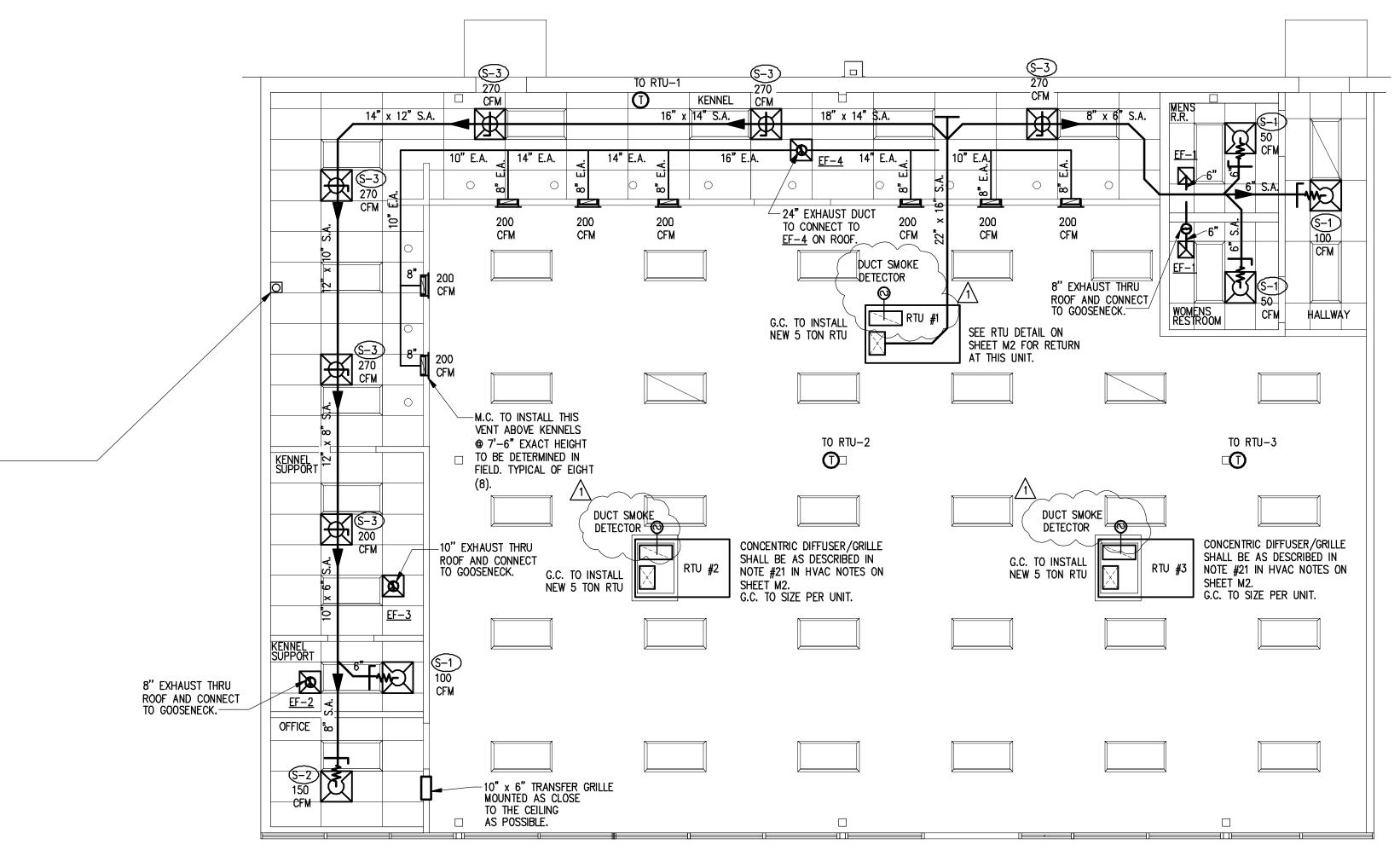
DRYER BOX INSTALLATION

DRYER VENTING: M.C. SHALL BE RESPONSIBLE FOR RUNNING ALL DUCTWORK FOR THE DRYER EXHAUST SYSTEM. ALL CONCEALED DRYER DUCTING MUST BE RIGID METAL ALUMINUM MINIMUM OF 4" IN DIAMETER, SMOOTH 30 GA. CLEAN, UNOBSTRUCTED, FRICTIONLESS DUCTS (NO FLEXIBLE DUCT ALLOWED IN CONCEALED AREAS). SEAL ALL JOINTS WITH FOIL BACKED PRESSURE SENSITIVE DUCT TAPE MEETING THE REQUIREMENTS OF UL 181. DUCT JOINTS SHALL BE INSTALLED SO THAT THE MALE END OF THE DUCT POINTS IN THE DIRECTION OF THE AIRFLOW. DO NOT USE RIVETS OR SCREWS IN JOINTS OR ANYWHERE ELSE IN THE DUCT AS THIS WILL ENCOURAGE LINT COLLECTION.

DRYER BOX RECEPTACLE SHALL BE METAL AND BE INSTALLED AS LOW AS POSSIBLE AS TO PERMIT THE PROPER AND SAFE COLLECTION OF THE DRYER TRANSITION HOSE. DRYER BOX SHOULD BE RESTING ON THE BOTTOM PLATE AND BE LOCATED AT OR NEAR THE CENTERLINE OF THE PROPOSED DRYER APPLIANCE. RIGID DUCT SHOULD PENETRATE DRYER BOX PORT 2" TO PROVIDE FOR FUTURE CONNECTION AND STORAGE OF TRANSITION HOSE. BASEBOARD SHALL BE "BUTTED" UP TO THE FIXED EXTENSION RIM AND SLIGHTLY BACK CUT. DRYER BOX SHOULD BE CAULKED AND THEN PAINTED WITH THE TRIM PAINT. FOR USAGE IN A ONE HOUR WALL ASSEMBLY, UL REQUIRES THAT BATT INSULATION BE STUFFED AROUND THE DRYER BOX AND IN THE ENTIRE

WALL CAVITY CELL.
LENGTH OF CONCEALED RIGID METAL DUCTING SHALL NOT EXCEED 25'-0". DEDUCT 5'-0" FROM THE ALLOWABLE LENGTH FOR EVERY 3.5" RADIUS 90 DEGREE ELBOW AND 2'-6" FOR EVERY 45 DEGREE FITTING. DRYER VENTING SHALL BE INDEPENDENT OF ANY OTHER SYSTEMS. TERMINATION OF DRYER VENTING MUST BE TO THE EXTERIOR WITH A PROPER HOOD OR ROOF JACK EQUIPPED WITH A BACK DRAFT DAMPER. SMALL ORIFICE METAL SCREENING SHALL NOT BE INSTALLED TO PREVENT ACCUMULATION OF LINT AND BLOCKAGES. THE HOOD OPENING SHOULD POINT DOWN AND EXHIBIT 12" OF CLEARANCE BETWEEN THE BOTTOM OF THE HOOD AND THE GROUND OR OTHER OBSTRUCTION. ROUTE DUCTING TO ROOF VIA A BOOSTER FAN. INSTALL BOOSTER FAN PER MANUFACTURERS REQUIREMENTS.

SEE DETAIL THIS SHEET FOR ROUTING CLARIFICATION.



1 HVAC PLAN

MECHANICAL LEGEND:

CONNECT TO EXISTING

APPROVED DUCT TYPE SMOKE DETECTOR
THERMOSTAT

PLUMBING FIXTURE DESIGNATOR
CUBIC FEET PER MINUTE

NTS NOT TO SCALE
RTU ROOFTOP UNIT

<u>P-#</u>

CFM

MECHANICAL EQUIPMENT DESIGNATOR

AIR DISTRIBUTION DEVICE DESIGNATOR

SUPPLY AIR DIFFUSER

RETURN AIR GRILLE

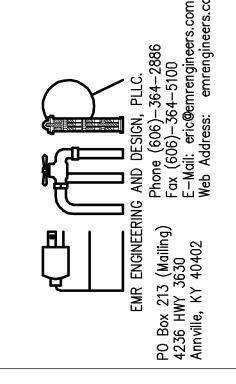
FLEXIBLE DUCT

MANUAL VOLUME DAMPER

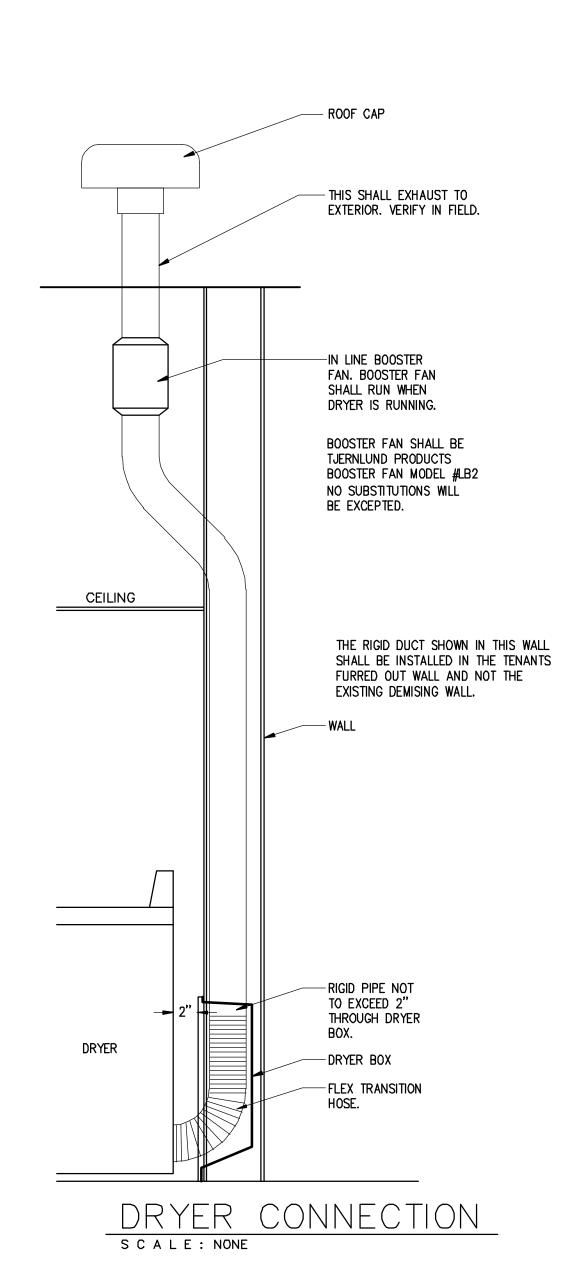
REGTANGULAR DUCT (WIDTH X DEPTH)

DUCT TRANSITION

FIRE DAMPER









HVAC GENERAL NOTES:

- 1. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT TO INSTALL A COMPLETE AND OPERATING HEATING AND COOLING SYSTEM.
- 2. CONTRACTOR SHALL PROVIDE ALL REQUIRED HVAC PERMITS. 3. THE CONTRACTOR SHALL COMPLY WITH NFPA-90A AND ALL
- APPLICABLE CODES. 4. ALL HVAC WORK TO BE PERFORMED SHALL BE IN COMPLIANCE WITH ALL STATE AND LOCAL CODES.
- 5. FLEXIBLE DUCT SHALL COMPLY WITH SMACNA, ALL LOCAL CODES, U.L. RATING, AND NOT EXCEED FIVE FEET IN LENGTH. SHEET METAL DUCT, WHERE REQUIRED BY LOCAL CODES, SHALL BE LINED WITH 1" MATT FACED DUCTLINER IN THE FIRST 10 (TEN) FEET OF THE RETURN AND SUPPLY DUCT STARTING FROM THE HVAC UNIT. AFTER THE FIRST 10 (TEN) FEET THE USE OF 1" DUCT WRAP SHALL BE ACCEPTABLE. WORK MATERIAL TO BE VERIFIED WITH CEILING ASSEMBLY RATING. FIBERGLASS DUCTBOARD DUCTWORK IS ACCEPTABLE. IF LOCAL CODES AND INSPECTION WILL ALLOW IT.
- 6. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL
- SWITCHES, DISCONNECTS AND CONTROL WIRING.
- 7. ALL DUCT SIZES ARE CLEAR INSIDE DIMENSIONS, ALLOW FOR DUCT INSULATION. 8. THE CONTRACTOR SHALL PROVIDE A WRITTEN GUARANTEE THAT SHALL WARRANT ALL WORKMANSHIP AND MATERIALS FOR ONE (1) YEAR FROM THE FINAL WORK ACCEPTANCE BY THE OWNER AND A FIVE YEAR WARRANTY ON THE COMPRESSOR.
- 9. FILTERS SHALL BE OF THE DISPOSABLE TYPE AND HAVE INITIAL SHARE WEIGHT ARRESTANCE OF 10% AND A CLEAN PRESSURE DROP OF 0.15 WC. PROVIDE TWO SETS, ONE DURING CONSTRUCTION AND ONE FOR USE AFTER OCCUPANCY.

- 10. CONTRACTOR SHALL INSTALL ALL NECESSARY OFFSETS, BENDS, AND TRANSITIONS REQUIRED TO PROVIDE A COMPLETE SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
- 1 1. COORDINATE LOCATION OF ALL CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH THE ELECTRICIAN TO PREVENT CONFLICT WITH LIGHTS AND ARCHITECTURAL ELEMENTS.
- 12. ALL WORK OF THIS TRADE SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID ANY INTERFERENCES THAT MAY DELAY PROGRESS DURING CONSTRUCTION.
- 13. THE G.C MECHANICAL SUB-CONTRACTOR SHALL TEST AND BALANCE TO THE AIR QUANTITIES ON THE PLAN AND PROVIDE A T & B REPORT.
- 14. CONTRACTOR SHALL INSTALL THERMOSTAT IN ACCORDENCE WITH THERMOSTAT SPEC'S.
- 15. CONTRACTOR SHALL INSTALL MANUAL BALANCING DAMPERS AT ALL SUPPLY AIR BRANCH DUCTWORK RUN OUTS.

16. CONTRACTOR SHALL INSTALL TURNING VANES AT ALL DUCTWORK TEES AND 90

- DEGREE ELBOWS. 17. CONTRACTOR SHALL INSTALL A DUCT-TYPE MOUNTED SMOKE DETECTOR, FOR UNIT SHUTDOWN, IN THE RETURN AIR DUCTWORK PLENUM AT ROOFTOP UNITS. THE CONTRACTOR SHALL VERIFY THE COMPATIBLE TYPE OF DETECTION DEVICE TO USE WITH THE
- BUILDING OPERATIONS MANAGER. 18. ALL SHEET METAL DUCTWORK SHALL COMPLY WITH SMACNA STANDARDS. ALL
- DUCTWORK JOINTS SHALL BE TAPED AND SEALED. 19. CONTRACTOR SHALL PROVIDE EQUIPMENT OF THE SCHEDULED CAPACITIES DESIGNED.

| | PAC | KA(| GE ROC |)FTOP | UNI ⁻ | T SCHEDU | JLE (g | as hed | at/ele | c. coo | I) | |
|-----------------|-------------------------------|------|--------|--------------------|------------------|-------------------------------------|--------------|---------------------|-------------------|---------------------|---------------------------|-----------|
| MARK | MFG/MODEL | TONS | CFM | OUTSIDE AIR CFM | EER | ENTERING AIR CONDITIONS | COOLING CAPA | CITY (MBH) SENSIBLE | HEATING CAF | PACITY (BTU) OUTPUT | ELECTRICAL VOLT / PH / HZ | REMARKS |
| RTU 1, 2 & 3 | CARRIER 48HCDA06B2M5-DF1F0 | 5 | 2000 | 400 | 17 N | 80 F DB / 67 F WB © 95 F AMBIENT | 60.4 | 48.0 | 50,000/ 72,000 | 41,000/ 56,000 | 208V / 3 / 60 | 1, 2, & 3 |

ACCESSORY OPTIONS: 1) ECONOMIZER 2) GRAVITY BACK DRAFT, 3) STANDARD CARRIER PACKAGE, 4) LOW HEAT MODEL, 5) HAIL GUARDS.

ADDITIONAL FEATURES TO PROVIDE ON UNIT:

1. AUTOMATIC HEATING/COOLING CHANGEOVER 2. LOW AMBIENT COOLING CAPACITY KIT WITH HAIL GAURDS

3. ALL THERMOSTATS SHALL BE HONEYWELL TH8321WF1001

AND MOUNTED AT 48" A.F.F. ABSOLUTELY NO SUBSTITUTIONS.

SUBSTITUTIONS WILL BE ALLOWED FOR THESE UNITS. SPEC SHEETS MUST BE SUBMITTED FOR APPROVAL.

| | | | EXHAUS | ST FAI | N SCHE | DULE | | | |
|------|----------------|--------------|--------------|--------|-------------------|---------------|------------|----------------------|-------------------|
| MARK | AREA SERVED | MANUFACTURER | MODEL | CFM | E.S.P. ("W.C.) | MOTO WATTS | OR V/PH | BAROMETRIC DAMPER | ACCESSORIES |
| EF-1 | RESTROOM | GREENHECK | SP-A90 | 80 | 1/4" | 30 | 120/1 | YES | GRAVITY DAMPER |
| EF-2 | KENNEL SUPPORT | GREENHECK | SP-A190 | 150 | 1/4" | 113 | 120/1 | YES | 1,2,3,4,5,6,7,8,9 |
| EF-3 | KENNEL SUPPORT | GREENHECK | SP-A290 | 250 | 1/4" | 81 | 120/1 | YES | 1,2,3,4,5,6,7,8,9 |
| EF-4 | KENNEL | LOREN COOK | SCED-135C11D | 1500 | 1/4" | 528 | 120/1 | YES | 1,2,3,4,5,6,7,8,9 |

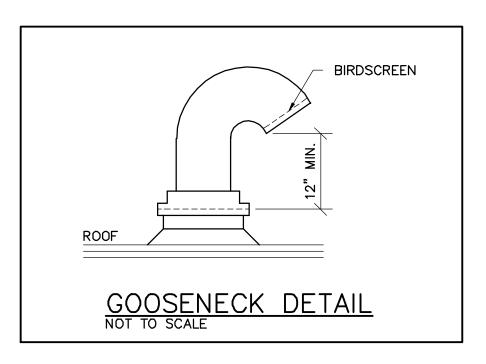
ACCESSORIES

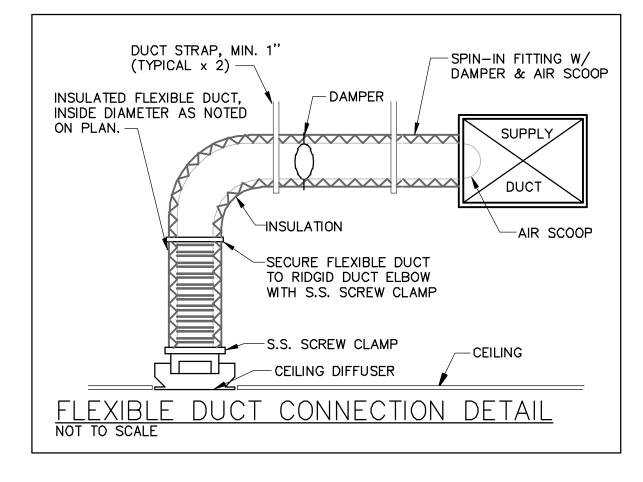
- 1 DISCONNECT 4 - RAIN CAP
- 2 ROOF MOUNTED 3 - ROOF CURB
- 5 GRAVITY BACK PRESSURE DAMPER 6 - CONSTANT ON FAN
 - MAGNETIC STARTER (BY G.C) 8 - ON/OFF SWITCH

PLUMBER TO PROVIDE AN INDIRECT WASTE OPENING TO WITHIN 2'-0" OF COOLING COILS AND EVAPORATORS FOR CONDENSATE. THIS INDIRECT WASTE LINE SHALL BE 1 1/4" DWV MIN., TRAPPED, VENTED AND RUN TO HOUSE SIDE OF ACTIVE TRAP AS PER SECTION #314 AMENDED. A MEMPHIS PATTERN DEEP SEAL TRAP CAN BE USED IN LIEU OF ACTIVE TRAP. THIS 12" DEEP SEAL TRAP, WITH CLEAN OUTS PLACED DIRECTLY ON TOP OF EACH LEG OF SAID TRAP, CAN CONNECT TO A SINGLE VERTICAL VENT RISER WITH NO OFFSETS OR OTHER VENT TIE BACKS BELOW THIS POINT.

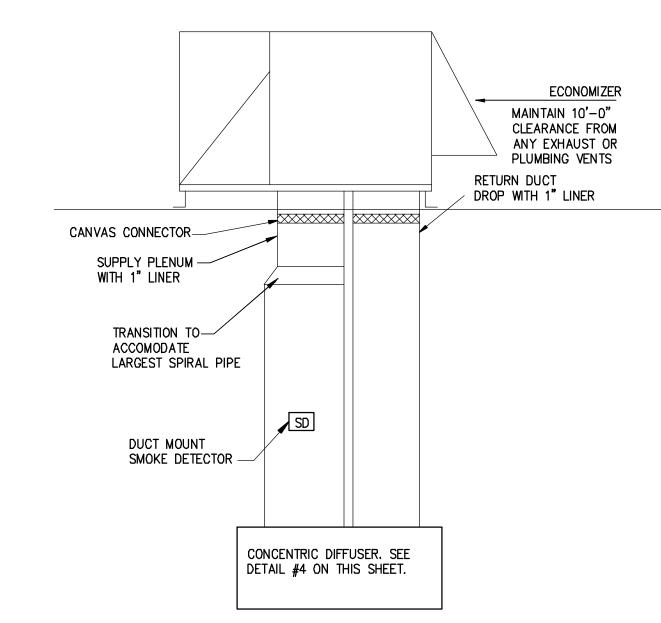
| | GRILLE, f | REGISTER | & DIF | FUSER S | SCHED | JLE | |
|------|---------------|----------------|-------------------------|---------------|----------------|----------|--------|
| MARK | MATERIAL | DEVICE SIZE | CFM RANGE MIN/MAX | INLET SIZE | AIR PATTERN | MOUNTING | TYPE |
| S-1 | PAINTED STEEL | 24" x 24" | 0/100 | 6" | 4-WAY | LAY-IN | SUPPLY |
| S-2 | PAINTED STEEL | 24" × 24" | 100/175 | 8" | 4-WAY | LAY-IN | SUPPLY |
| S-3 | PAINTED STEEL | 24" × 24" | 175/275 | 10" | 4-WAY | LAY-IN | SUPPLY |

THIS WILL ALSO INCLUDE ALL THE ROOF TOP UNITS.





NO BIRD SCREEN ON DUCT FROM



DUCT FROM CONCENTRIC PACKAGE DETAIL SCALE: NTS

SUPPLY AND RETURN TRANSITION, CONNECTING RTU'S TO CONCENTRIC

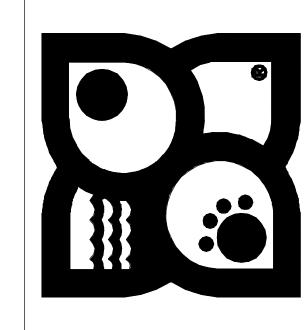
TRANSITION SHALL BE PAINTED BLACK TO MATCH CEILING.

SUPPLY -

S C A L E : NTS

DIFFUSER, SHALL BE WITH INSULATED METAL. CONCENTRIC AND CONNECTED





OWNER:

THE SUPPLY SHALL COME OUT

THE RETURN SHALL COME BACK

SEE NOTE #21 ON THIS SHEET FOR

TYPE OF CÖNCENTRIC PACKAGE TO

TO THE BOTTOM CENTER OF THIS PACKAGE.

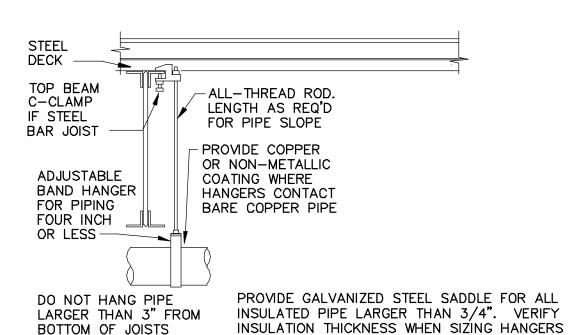
THE SIDE AS SHOWN.

BE ORDERED.

CONCENTRIC PACKAGE. ECONOMIZER MAINTAIN 10'-0" CLEARANCE FROM ANY EXHAUST OR PLUMBING VENTS RETURN DUCT

DROP WITH 1" LINER CANVAS CONNECTOR— OPEN AIR RETURN WITH NO GRILLE SUPPLY PLENUM -WITH 1" LINER TRANSITION TO ACCOMODATE LARGEST SPIRAL PIPE DUCT MOUNT SMOKE DETEDTOR - ALL HVAC SUPPLY TO BE 1'-0" ABOVE LIGHTING FIXTURES SEE ELECTRICAL SHEETS

RETURN DUCT DETAIL FOR OPEN RETURN S C A L E : N.T.S.



PROVIDE UPPER ATTACHMENT AS REQUIRED FOR CASES NOT SHOWN HERE. DO NOT INSTALL HANGER INSIDE INSULATION OR OTHERWISE PENETRATE VAPOR BARRIER, DO NOT HANG ONE PIPE FROM ANOTHER EXCEPT IN CHASES. TRAPEZE HANGERS MAY BE USED FOR MULTIPLE PARALLEL PIPES. HANGER SPACING FOR PIPE SIZE: COPPER: 4"=12'; 3"=11'; 2-1/2"=10'; 2"=9'; 1-1/2"=8'; 1-1/4"=7'; 1"=6'; 3/4"=6'; 1/2"=5'. CAST IRON: 10' AND ONE NEAR ALL JOINTS. STEEL: 4"=14'; 3"=12'; 2-1/2"=11'; 2"=10' 1-1/2"=9'; 1"=7'; 3/4"=6'; 1/2"=5'. LOCATE HANGERS AS CLOSE AS POSSIBLE TO TURNS AND TEES OF PIPE. PROVIDE SUPPLEMENTARY STEEL STRUTS BETWEEN JOISTS IF REQUIRED. LOCATE HANGERS TO TAKE LOAD OFF OF EQUIPMENT CONNECTIONS. ANCHOR WATER PIPE AGAINST SWAYING DUE TO CHANGES IN WATER VELOCITY. PROVIDE SEISMIC BRACING IF/AS REQUIRED BY LOCAL AUTHORITIES. CHAINS OR PERFORATED STRAP IRON OR STEEL IS NOT ACCEPTABLE. REFER TO CODES AND SPECS FOR FURTHER INFORMATION.

SPRINKLER NOTE:

ANY CHANGE TO THE EXISTING SPRINKLER SHALL BE DONE BY A LANDLORD APPROVED SPRINKLER CONTRACTOR, AT TENANTS EXPENSE. ALL SPRINKLER DESIGN WILL BE SUBMITTED UNDER SEPARATE SUBMITTAL BY A LICENSED SPRINKLER CONTRACTOR WHICH WILL SUBMIT SHOP DRAWINGS FOR APPROVAL. G.C. SHALL THE PLANS AND SUBMIT FOR PERMITTING.

NOTES: ROOF WORK AND REFLASHING FOR HVAC EQUIPMENT, PLUMBING VENTS, PENETRATIONS, ETC., SHALL BE PROVIDED BY A LANDLORD APPROVED ROOFING CONTRACTOR ONLY. TENANT'S CONTRACTOR SHALL CONTACT LANDLORD REGARDING THE MEANS OF TOILET EXHAUST. IF THE TOILET IS TO BE VENTED ELSEWHERE IT WILL BE BY THE CONTRACTOR. TO A LOCATION APPROVED BY THE LANDLORD, WITHOUT ANY ADDITIONAL EXPENSE TO THE TENANT.

CONCENTRIC PACKAGE DETAIL

1 4-27-21 PLAN REVIEW COMMENT 5-4-21 PLAN REVIEW COMMENTS MARK DATE DESCRIPTION PROJECT NO: 20397 01-21-2021

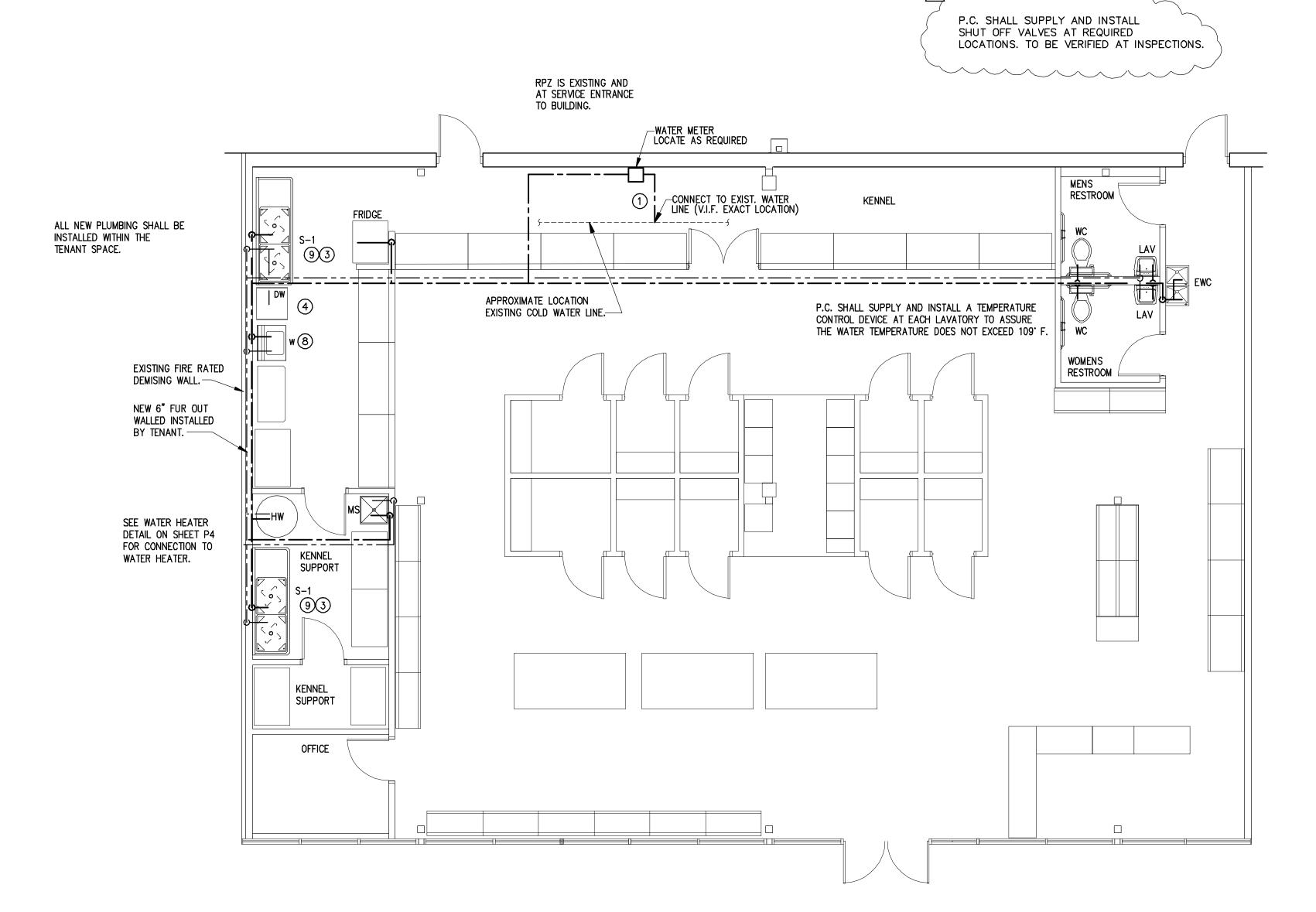
DRAWN BY: RCM CHK'D BY: EE COPYRIGHT:

SHEET TITLE:

M-2

PIPE HANGER S C A L E: N.T.S.

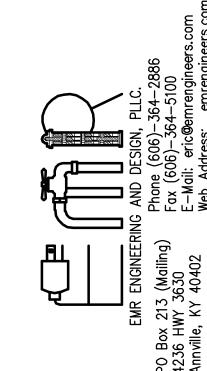
PLUMBING SYMBOL LEGEND _____ - ____CW ___ - ___ COLD WATER (CW) ----- TFW ----- TEMPERED FILTERED WATER SHUT-OFF VALVE CHECK VALVE



DOMESTIC WATER PLAN

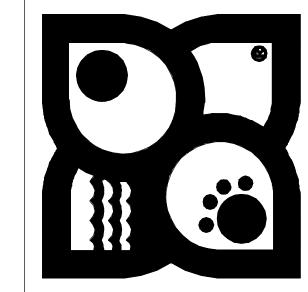
GENERAL PLUMBING NOTES

- EXAMINATION OF CONTRACT DOCUMENTS AND SITE WORK, THE BIDDER IS REQUIRED, BEFORE SUBMITTING HIS/HER PROPOSAL, TO VISIT THE PROPOSED WORK AND FAMILIARIZE HIM/HERSELF WITH THE NATURE AND EXTENT OF THE WORK AND ANY LOCAL CONDITIONS THAT MAY IN ANY MANNER AFFECT THE WORK TO BE DONE AND EQUIPMENT MATERIAL AND LABOR REQUIRED. THEREFORE, SINCE THE WORK INVOLVES EXISTING BUILDINGS, SYSTEMS AND FACILITIES, SPECIAL CONSIDERATION SHALL BE GIVEN TO THE EXAMINATION OF WORKING CONDITIONS, EXISTING FACILITIES AND ALL BUILDING STRUCTURES TO FAMILIARIZE HIMSELF/ HERSELF WITH ALL EXISTING CONDITIONS. SLIGHT VARIATION OF ROUTING AND/OR CONSTRUCTION (SHOULD BE ANTICIPATED BY THIS CONTRACTOR) TO AVOID CONFLICTS WITH OTHER TRADES, ARE EXPRESSLY INCLUDED AS PART OF THE WORK WHENEVER REQUIRED AT NO ADDITIONAL COST TO THE OWNER. NEGLIGENCE ON THE PART OF THE CONTRACTOR WILL IN NO WAY RELIEVE HIM/HER OF THE OBLIGATION AND RESPONSIBILITIES ASSUMED UNDER THIS CONTRACT.
- C.W. & H.W. PIPING SHALL BE COPPER TYPE 'M' ABOVE GRADE, TYPE 'K' BELOW GRADE, WITH 1" THICK FOAM INSULATION WITH VAPOR BARRIER AND ASJ JACKET. PEX WILL BE AN APPROVED EQUAL.
- WASTE AND VENT LINES SHALL BE CAST IRON NO-HUB ABOVE GROUND, PUSH-ON JOINT WITH NEOPRENE GASKET UNDERGROUND. PVC MAY BE USED WHERE APPROVED BY CODE.
- 4. INSULATE P-TRAP LINE AND WATER LINES UNDER TOILET ROOM LAVATORY IN ACCORDANCE WITH A.D.A. GUIDELINES.
- PROVIDE A WATER HAMMER ARRESTOR AT EVERY QUICK CLOSURE VALVE OR FAUCET.
- PROVIDE SHUT OFF VALVES AT EACH PLUMBING FIXTURE WATER SUPPLY.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES.
- 8. ALL PLUMBING PIPING SHALL BE PRESSURE TESTED AND CHLORINATED.
- 9. CONTRACTOR SHALL PAY ALL FEES AND RELATED CHARGES FOR PERMITS, LICENSES, ETC. REQUIRED FOR INSTALLATION OF PLUMBING
- 10. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL FIXTURES









14-27-21|PLAN REVIEW COMMENT

5-4-21 PLAN REVIEW COMMENTS

01-21-2021

MARK DATE DESCRIPTION

PROJECT NO: 20397

DRAWN BY: RCM

CHK'D BY: EE

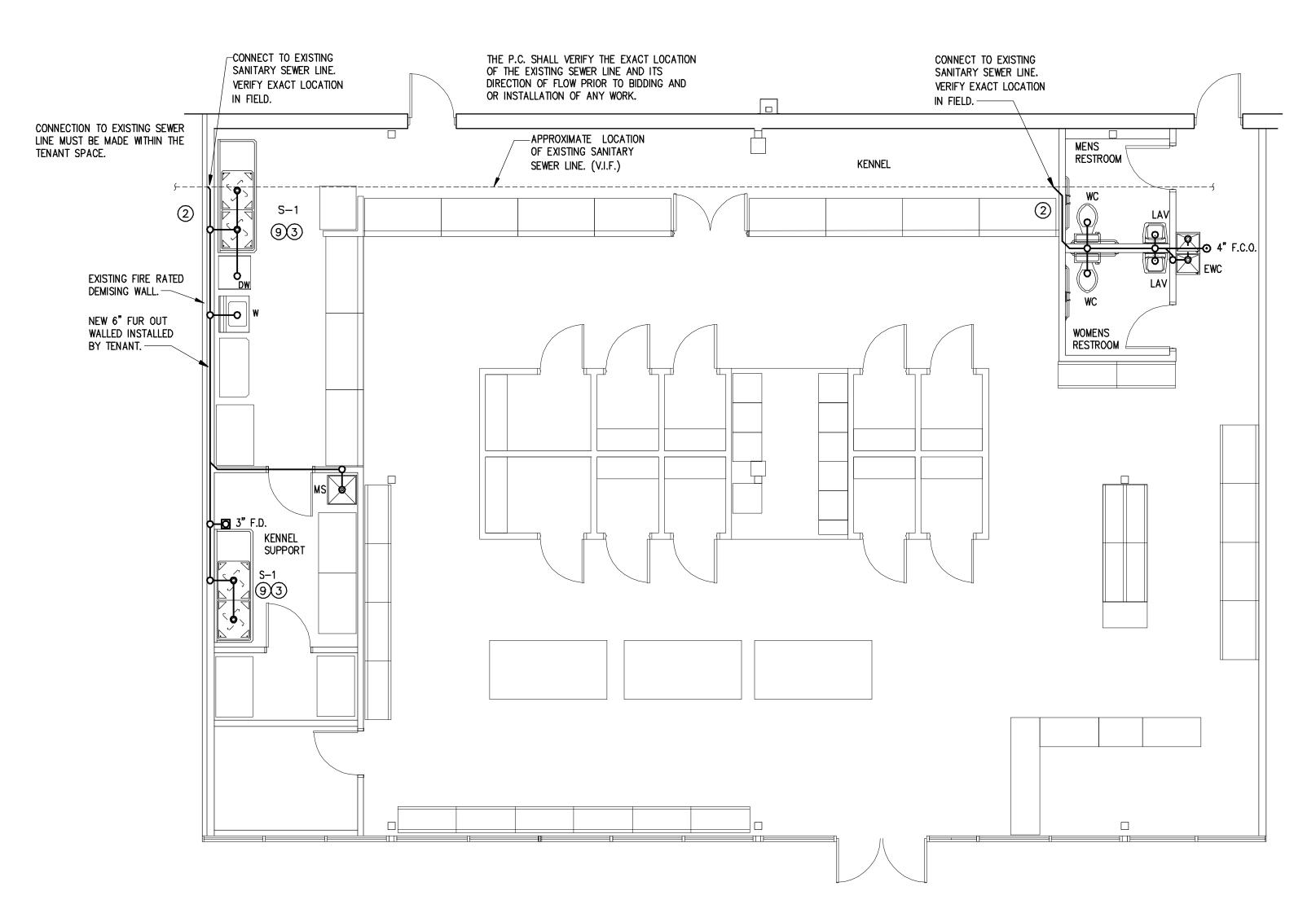
COPYRIGHT:

SHEET TITLE:

OWNER:

PLUMBING CODED NOTES:

- 1) NEW DOMESTIC WATER SERVICE WITH SHUT OFF FROM EXISTING METER.
- 2 EXTEND SANITARY SEWER TO EXISTING SEWER LINE. PC TO VERIFY SIZE & LOCATION IN THE FIELD PRIOR TO START OF WORK. VERIFY SEWER IS ACTIVE PRIOR TO CONNECTING.
- INSTALL AND MAKE FINAL CONNECTIONS TO KENNEL SINK FURNISHED BY FIXTURE CONTRACTOR. PROVIDE VACUUM BREAKER ON WALL FOR FAUCET AS NOTED ON DETAIL. SEE KENNEL SINK AND DISPOSAL CONNECTION DETAIL ON DWG. P-4.
- ROUTE PIPING DOWN INSIDE WALL TO POINT OF CONNECTION TO DISHWASHER. PROVIDE SHUT OFF VALVE. EXTEND DISHWASHER DRAIN TO WYE DRAIN CONNECTION ON TAILPIECE OF KENNEL SINK.
- (5) PROVIDE 1/4" TURN BALL VALVE 3/4" WITH 3/4" NIPPLE AT 1'-8" A.F.F. FOR EACH CONNECTION
- (6) PEX PIPING MAY BE USED INSTEAD OF COPPER PROVIDED THE LOCAL JURISDICTION WILL APPROVE IT.
- GUY GRAY WASHING MACHINE SUPPLY AND DRAIN FIXTURE NO. NWBBED200TS, WITH TOP WATER SUPPLIES AND 2" DRAIN, FURNISHED AND INSTALLED BY P.C.
- GARBAGE DISPOSAL IN-SINK-ERATOR 444, 3/4 HP STAINLESS STEEL GRIND ELEMENTS, 120V-1
- PHASE, 8.1 AMPS. FURNISHED AND INSTALLED BY P.C.

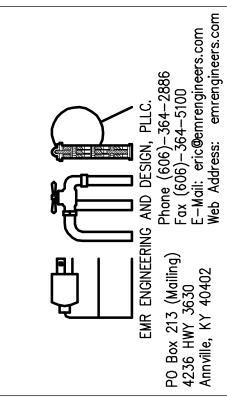


SANITARY SEWER PLAN

s c a l e : 3/16" = 1'-0"

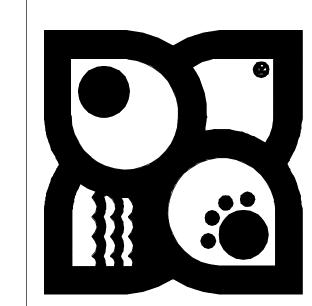
GENERAL PLUMBING NOTES

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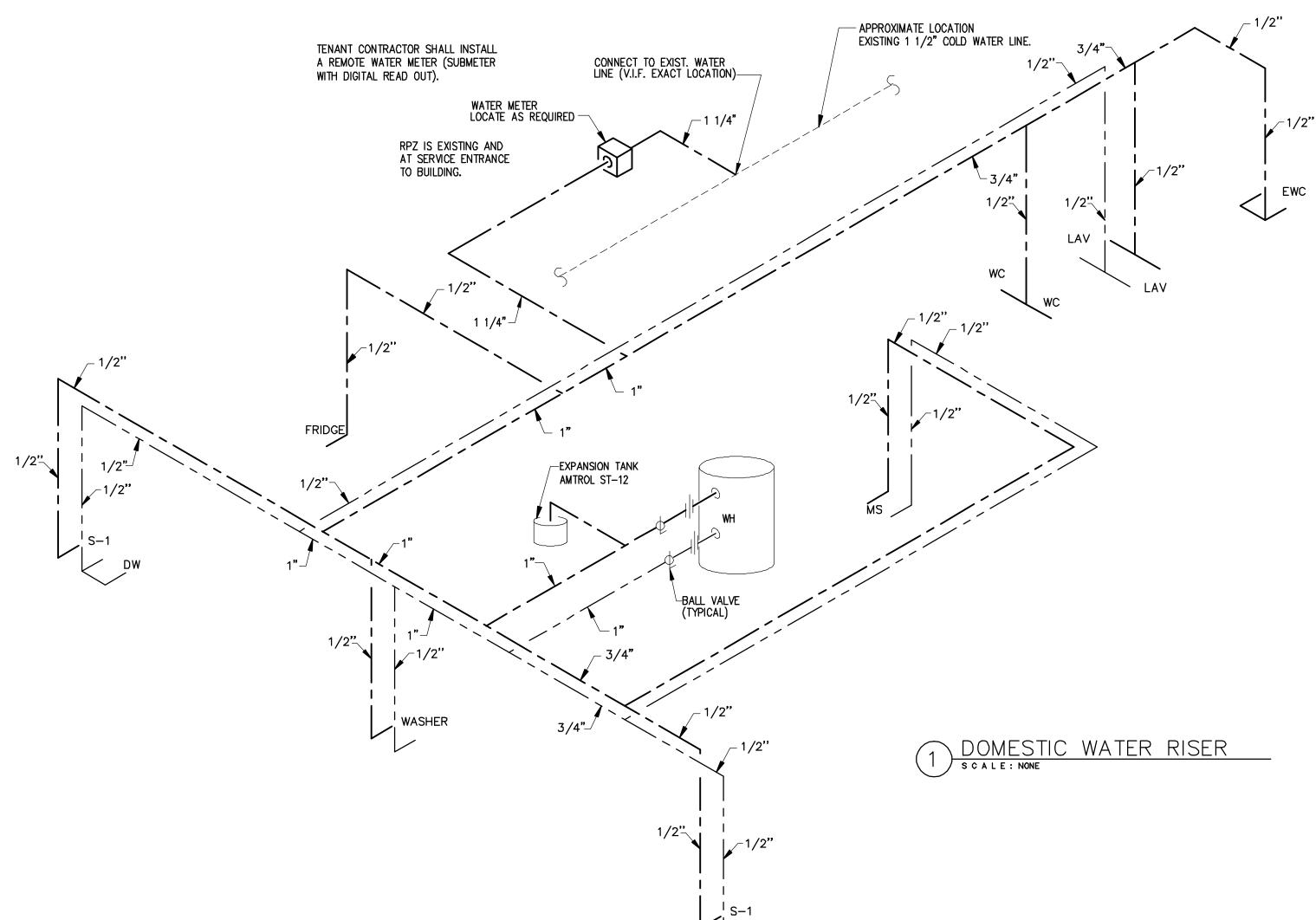
PETLAND LEE'S SUMMIT
464 NW CHIPMAN RD



PLUMBING CODED NOTES:

- 1 NEW 1 1/4" DOMESTIC WATER SERVICE WITH SHUT OFF FROM EXISTING METER.
- EXTEND SANITARY SEWER TO EXISTING SEWER LINE. PC TO VERIFY SIZE & LOCATION IN THE FIELD PRIOR TO START OF WORK. VERIFY SEWER IS ACTIVE PRIOR TO CONNECTING.
- ROUTE PIPING DOWN INSIDE WALL TO POINT OF CONNECTION TO DISHWASHER. PROVIDE SHUT OFF VALVE. EXTEND DISHWASHER DRAIN TO WYE DRAIN CONNECTION ON TAILPIECE OF KENNEL SINK.
- 5 NOT USED
- 6 NOT USED
- 7 PROVIDE VACUUM BREAKER ON WALL FOR FAUCET AS NOTED ON DETAIL, SEE KENNEL SINK AND DISPOSAL
- B GUY GRAY WASHING MACHINE SUPPLY AND DRAIN FIXTURE NO. NWBBED200TS, WITH TOP WATER SUPPLIES AND 2" DRAIN, FURNISHED AND INSTALLED BY P.C.
- GARBAGE DISPOSAL IN-SINK-ERATOR 444, 3/4 HP STAINLESS STEEL GRIND ELEMENTS, 120V-1 PHASE, 8.1 AMPS. FURNISHED AND INSTALLED BY P.C.

P-2

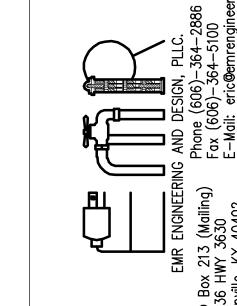


GENERAL PLUMBING NOTES

- EXAMINATION OF CONTRACT DOCUMENTS AND SITE WORK, THE BIDDER IS REQUIRED, BEFORE SUBMITTING HIS/HER PROPOSAL, TO VISIT THE PROPOSED WORK AND FAMILIARIZE HIM/HERSELF WITH THE NATURE AND EXTENT OF THE WORK AND ANY LOCAL CONDITIONS THAT MAY IN ANY MANNER AFFECT THE WORK TO BE DONE AND EQUIPMENT MATERIAL AND LABOR REQUIRED. THEREFORE, SINCE THE WORK INVOLVES EXISTING BUILDINGS, SYSTEMS AND FACILITIES, SPECIAL CONSIDERATION SHALL BE GIVEN TO THE EXAMINATION OF WORKING CONDITIONS, EXISTING FACILITIES AND ALL BUILDING STRUCTURES TO FAMILIARIZE HIMSELF/ HERSELF WITH ALL EXISTING CONDITIONS. SLIGHT VARIATION OF ROUTING AND/OR CONSTRUCTION (SHOULD BE ANTICIPATED BY THIS CONTRACTOR) TO AVOID CONFLICTS WITH OTHER TRADES, ARE EXPRESSLY INCLUDED AS PART OF THE WORK WHENEVER REQUIRED AT NO ADDITIONAL COST TO THE OWNER. NEGLIGENCE ON THE PART OF THE CONTRACTOR WILL IN NO WAY RELIEVE HIM/HER OF THE OBLIGATION AND RESPONSIBILITIES ASSUMED UNDER THIS CONTRACT.
- C.W. & H.W. PIPING SHALL BE COPPER TYPE 'M' ABOVE GRADE, TYPE 'K' BELOW GRADE, WITH 1" THICK FOAM INSULATION WITH VAPOR BARRIER AND ASJ JACKET. PEX WILL BE AN APPROVED EQUAL.
- WASTE AND VENT LINES SHALL BE CAST IRON NO-HUB ABOVE GROUND, PUSH-ON JOINT WITH NEOPRENE GASKET UNDERGROUND. PVC MAY BE USED WHERE APPROVED BY CODE.
- INSULATE P-TRAP LINE AND WATER LINES UNDER TOILET ROOM LAVATORY IN ACCORDANCE WITH A.D.A. GUIDELINES.
- PROVIDE A WATER HAMMER ARRESTOR AT EVERY QUICK CLOSURE VALVE OR FAUCET.
- 6. PROVIDE SHUT OFF VALVES AT EACH PLUMBING FIXTURE WATER SUPPLY.
- 7. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES.
- 8. ALL PLUMBING PIPING SHALL BE PRESSURE TESTED AND CHLORINATED.
- CONTRACTOR SHALL PAY ALL FEES AND RELATED CHARGES FOR PERMITS, LICENSES, ETC. REQUIRED FOR INSTALLATION OF PLUMBING
- 10. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL FIXTURES AND EQUIPMENT.

PLUMBING SYMBOL LEGEND

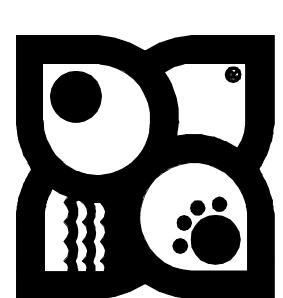
| HWHOT WATER (HW 140F) |
|-----------------------------|
| TEMPERED WATER |
| TFW TEMPERED FILTERED WATER |
| SHUT-OFF VALVE |
| CHECK VALVE |





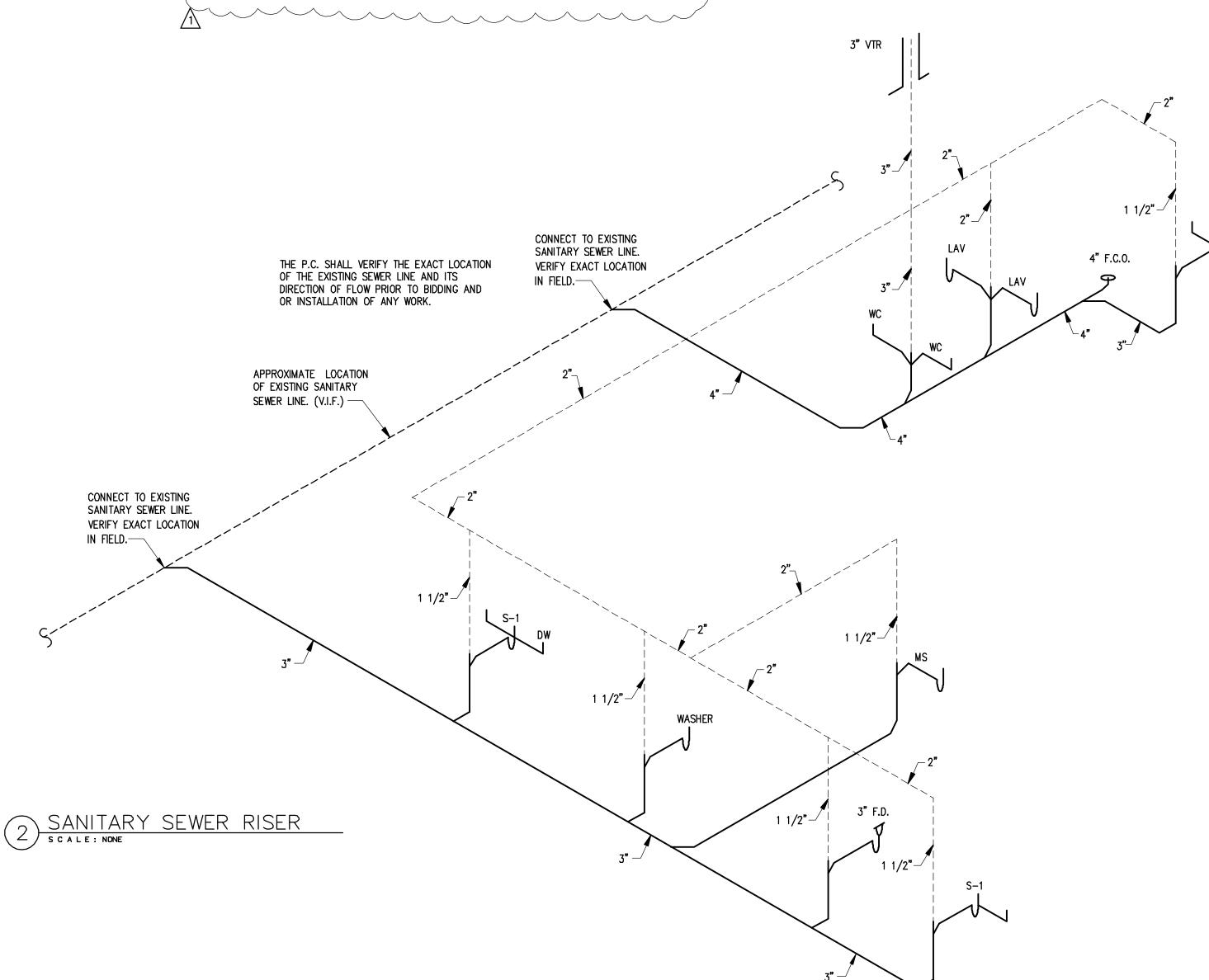




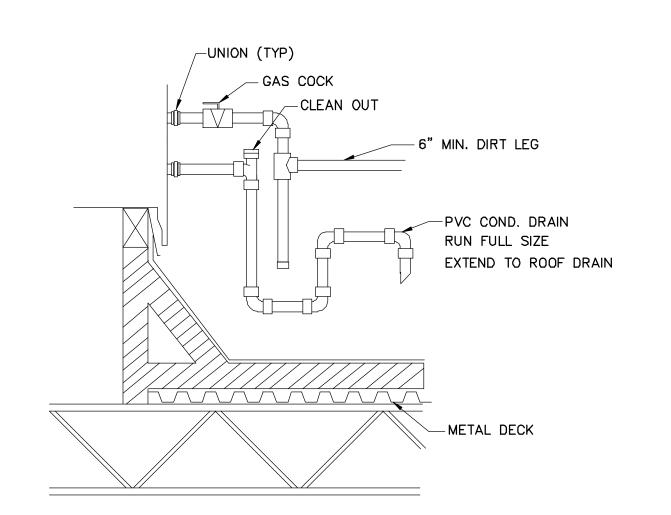


| | <u>/1\</u> | | PLAN REVIEW COMMENTS |
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| PROJECT NO: 20397 DATE: 01-21-2021 DRAWN BY: RCM | <u>/2\</u> | 3-4-21 | PLAN REVIEW COMMENTS |
| PROJECT NO: 20397 DATE: 01-21-2021 DRAWN BY: RCM | | | |
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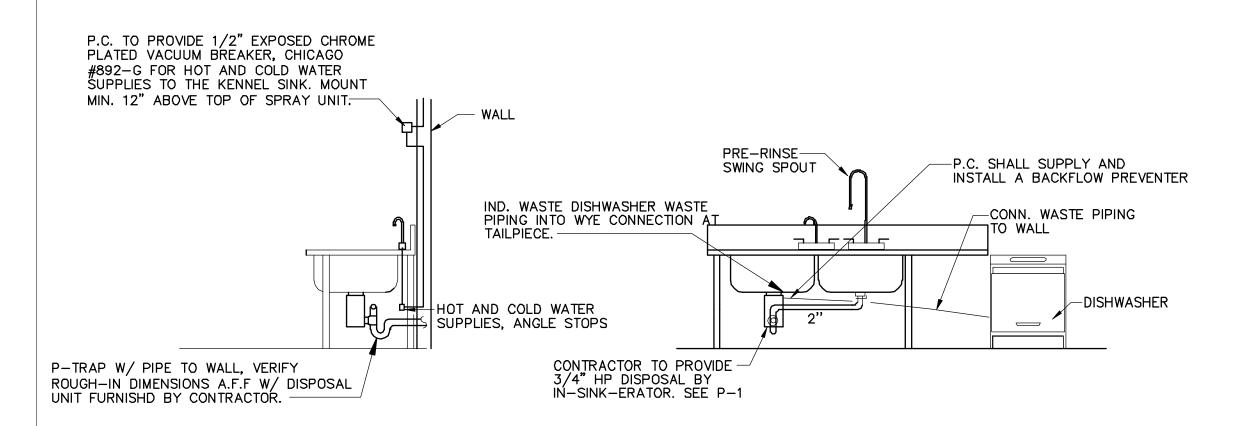
P-3



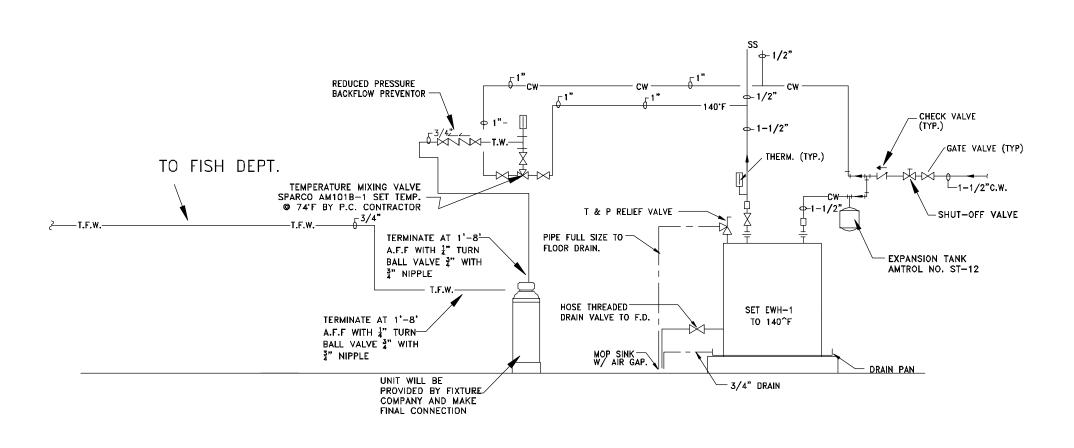
| | | | | ı | LOWIDII | IG FIXTURE SCHEDULE |
|------|------------------------|------|------|------------|---------|---|
| MARK | FIXTURE | C.W. | H.W. | SAN | VENT | |
| wc | WATER CLOSET | 1/2" | | 4" | 2" | AMERICAN STANDARD CADET NO. 2998.012 FLOOR MOUNTER TANK TYPE SIPHON JET WITH WHITE OPEN FRONT COMMERCIAL GRADE SEAT WITH CHECK HINGE. TANK LEVER SHALL BE ON WIIDE SIDE OF TOILET AREA |
| LAV | LAVATORY | 1/2" | 1/2" | 1-1/2" | 1-1/2" | AMERICAN STANDARD LUCERNE NO. 0355.012 WALL HUNG WITH NO. 2385.403 (0.5 G.P.M.) SINGLE LEVER FAUCET, WITH GRID DRAIN AND TAILPIECE, MOUNTED AT HANDICAPPED HEIGHT. INSULATE HOT WATER, COLD WATER, AND SANITARY PIPING BELOW LAV WITH TRUEBRO INSULATION. |
| S-1 | SINK | 1/2" | 1/2" | 3 " | 1-1/2" | KENNEL SINK SUPPLIED BY PETLAND AND INSTALLED BY PLUMBING CONTRACTOR |
| EWC | WATER COOLER | 1/2" | | 1-1/2" | 1-1/2" | BARRIER FREE, SPLIT LEVEL WATER COOLER (ADA COMPLIANT) 8.0 GPH, 1/5 HP, 120/1/60, COLOR BY PETLAND |
| W | WASHER | 1/2" | 1/2" | 1 1/2" | 1-1/2" | MODEL #T.B.D. |
| D | DRYER | | | 1 1/2" | 1-1/2" | MODEL #T.B.D. |
| FD | FLOOR DRAIN | | | 3" | 1-1/2'' | ZURN MODEL #FD2210-PV4 |
| WH | GAS WATER HEATER | 1" | 1" | 4" | 4" | STATE MODEL NO. AOSMITH, CYCLONE—BTH199 80 GAL., 199,000 BTU'S ASME RATED T & P RELIEF VALVE |
| FCO | FLOOR CLEANOUT | | | 4" | | ZURN MOD. #Z-1400 ADJUSTABLE TYPE FURNISH WITH NICKEL BRONZE SCORITATED TOP |



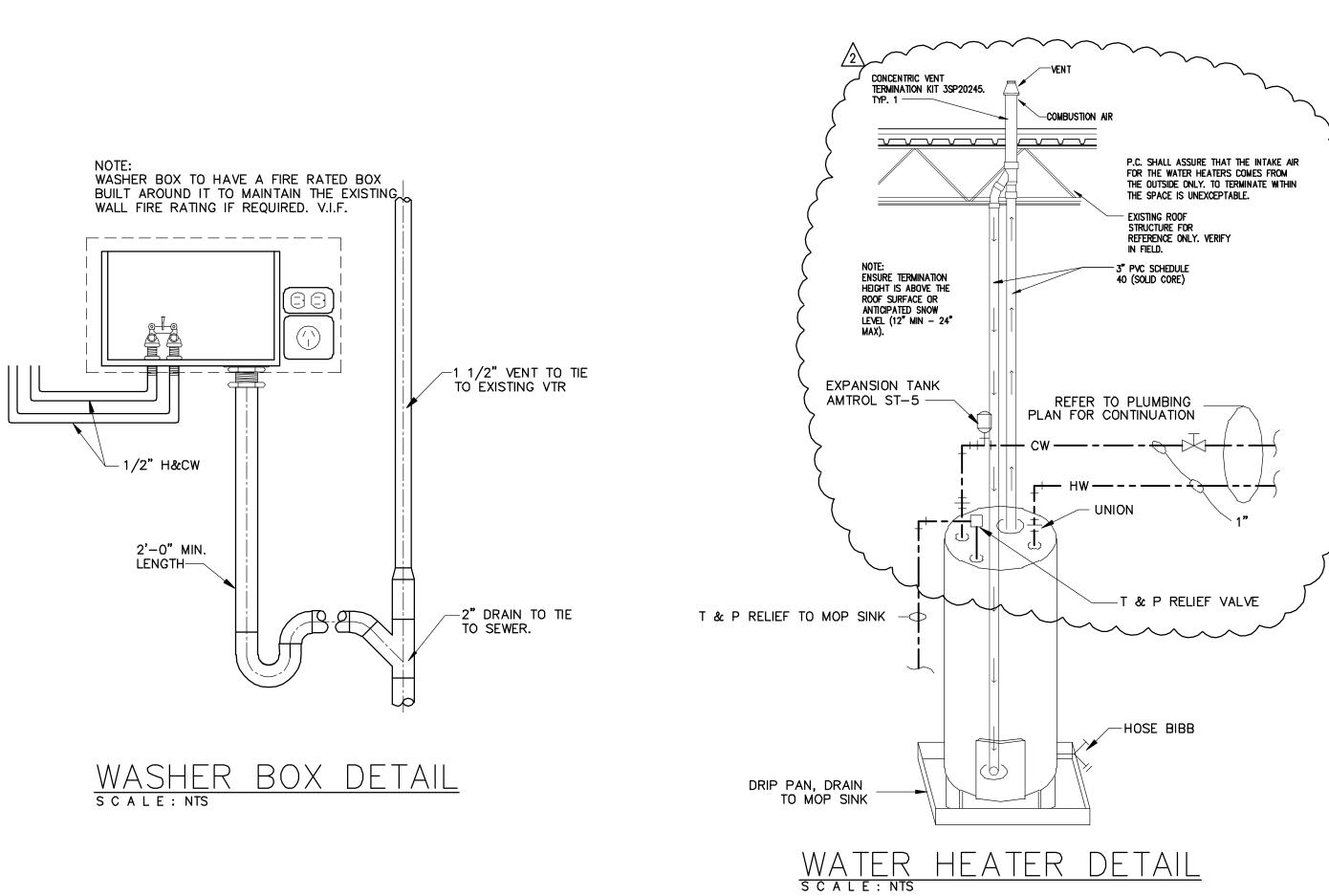
ROOFTOP GAS AND CONDENSATE DETAIL

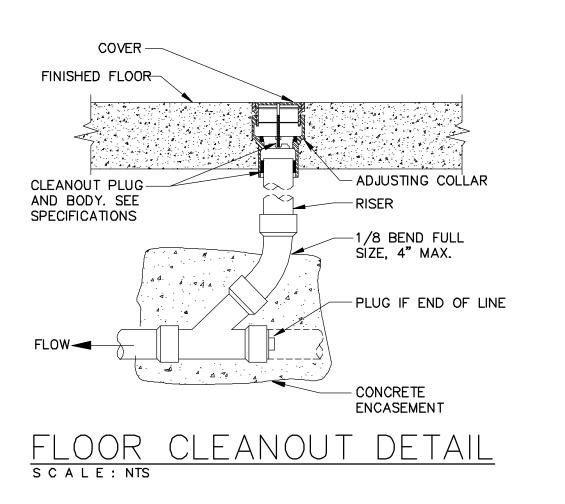


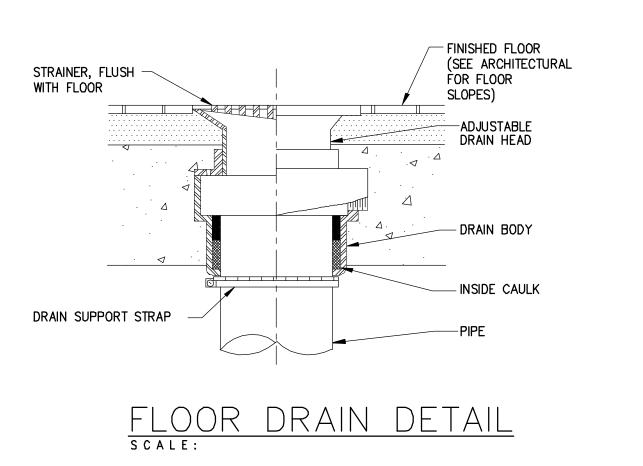
KENNEL SINK/DISPOSAL CONNECTION DETAIL S C A L E : NTS

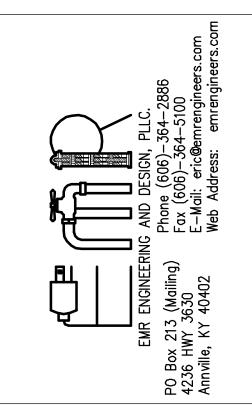


WATER PIPING RISER











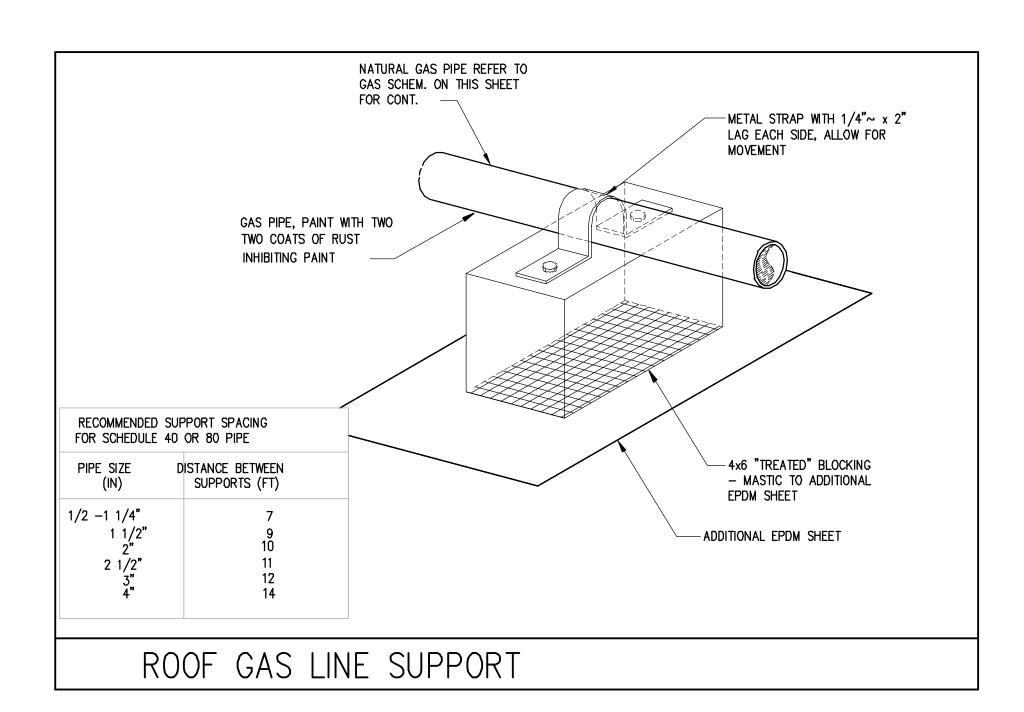
PETLAND LEE'S SUMMIT
464 NW CHIPMAN RD



OWNER:

| <u>/1\</u> | | PLAN REVIEW COMMENTS |
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| DATE: | | 01-21-2021 |
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| CHK'D | BY: E | Ε |
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P-4



EXTEND 3/4" PVC CONDENSATE LINE FROM ROOFTOP UNIT TO NEAREST ROOF DRAIN.

RUN GAS PIPING ON TREATED BLOCKS PER SCHED. CLAMP PIPING TO BLOCKS.

P.C. TO UPGRADE GAS METER IF EXISTING IS NOT RATED FOR THE ADDITIONAL LOAD. VERIFY IN FIELD

ALL GAS EQUIPMENT SHALL BE CONNECTED TO MAIN WITH SIZE REQUIRED PER MANUFACTURER RECOMMENDATIONS.

TO EQUIPMENT (BOILERS, AC UNITS, HV UNITS, MU, WATER HTR'S, ETC.) SHUT OFF VALVE THIS TEE FITTING SHALL BE LOCATED NOT LESS
THAN 10 PIPE DIAMETERS DOWNSTREAM OF THE MP REGULATOR. THIS SHALL BE POSITIONED TO ALLOW FOR CONNECTION OF PRESSURE MEASURING INSTRUMENT ON BOTH SIDES OF REGULATOR. SEDIMENT TRAP (DRIP LEG) — GAS SUPPLY LINE. REFER TO PLANS FOR LOCATION & SIZES

TYPICAL GAS PIPING CONNECTION DETAIL FOR THE INSTALLATION OF PRESSURE REGULATORS 2 SCALE: NONE

> IF MEDIUM OR GREATER PRESSURE EXISTS AND PRESSURE REGULATORS ARE REQUIRED, THE P.C. SHALL SUPPLY AND INSTALL A VENT TO THE EXTERIOR OR A VENT LIMITING DEVICE FOR ALL MEDIUM PRESSURE REGULATORS LOCATED WITHIN THIS SPACE. V.I.F.

NOTES: ROOF WORK AND REFLASHING FOR HVAC EQUIPMENT,

PLUMBING VENTS, PENETRATIONS, ETC., SHALL BE PROVIDED BY A LANDLORD APPROVED ROOFING CONTRACTOR ONLY. TENANT'S CONTRACTOR SHALL CONTACT LANDLORD REGARDING THE MEANS OF TOILET EXHAUST. IF THE TOILET IS TO BE VENTED ELSEWHERE IT WILL BE BY THE CONTRACTOR. TO A LOCATION APPROVED BY THE LANDLORD, WITHOUT ANY ADDITIONAL EXPENSE TO THE TENANT.

P.C. SHALL RUN 1" GAS PIPE DOWN TO NEW WATER HEATERS CONNECT PER MANUFACTURERS

RECOMMENDATIONS.

VERIFY EXACT LOCATION IN FIELD. -

GAS METER SHALL BE ORDERED BY

P.C. TO VERIFY EXACT LOCATION OF METER IN FIELD. THE SIZE WAS DETERMINED

IF THE FURTHEST RUN IS LONGER THEN THAT

AND THE PRESSURE IS GREATER, THEN THE P.C. SHALL CONTACT THE ENGINEER FOR

BY USING A DESIGN LENGTH OF 80'-0" AT 0.5 PSI WITH A DROP OF 0.6 PSI.

3/4"

72 MBH

RTU #3

PROPER SIZING.

LANDLORD HAS EXTSTENDED GAS

PIPE TO BUILDING ROOF. VERIFY

415 MBH AT LOW PRESSURE SERVICE SIZE BY LOCAL UTILITY.

RTU #1

1 1/4"

72 MBH

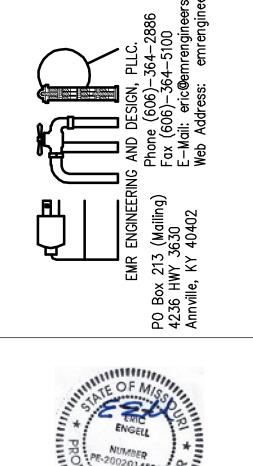
RTU #2

GAS PIPING PLAN

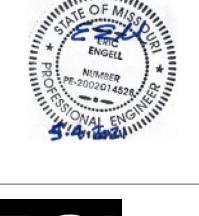
S C A L E : 3/16" = 1'-0"

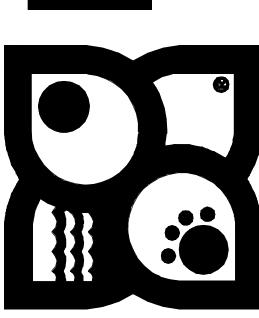
TENANT CONTRACTOR.

EXACT LOCATION IN FIELD.









OWNER:

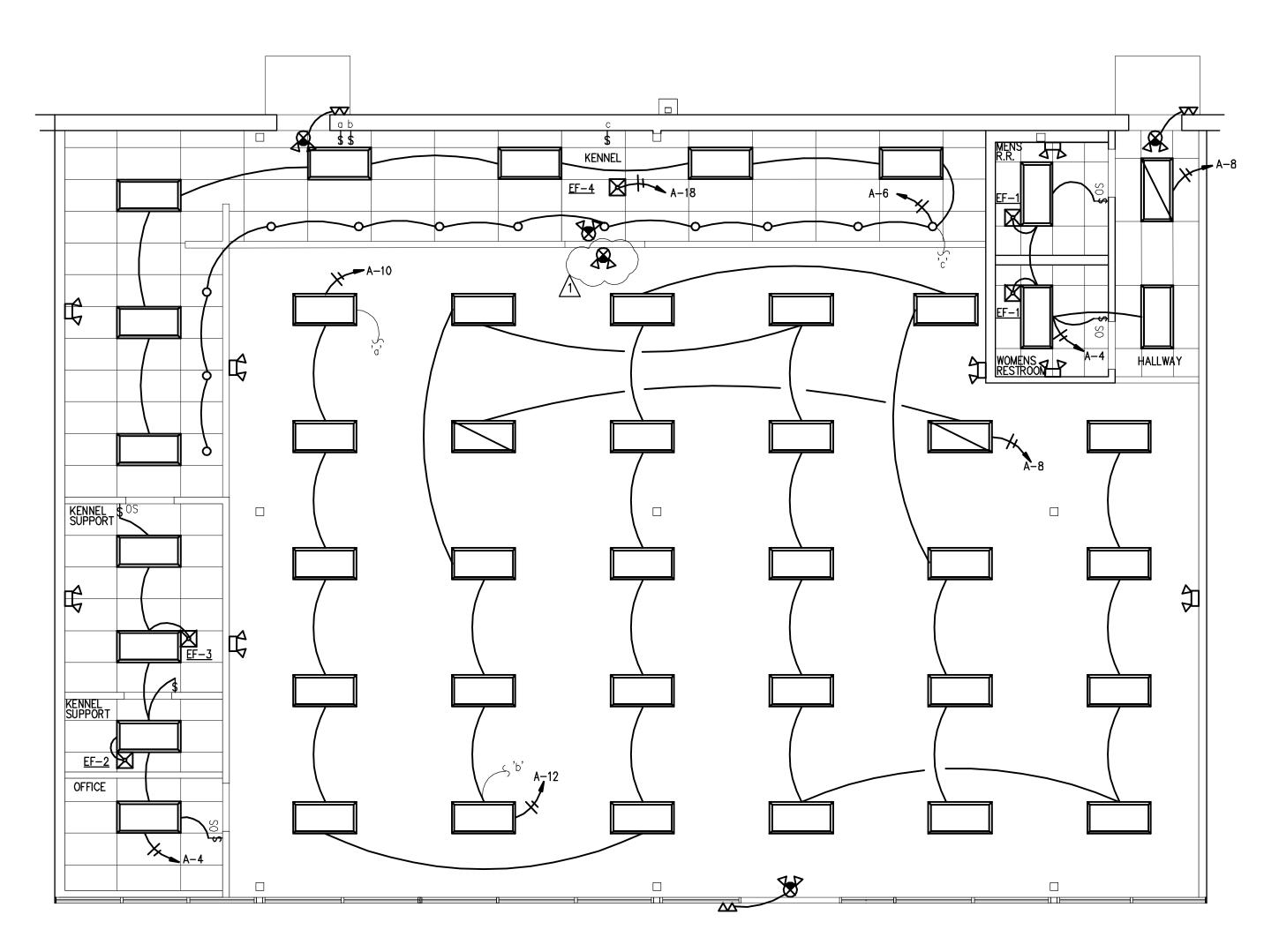
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P-5



ELECTRICAL LIGHTING PLAN

S C A L E: 3/16" = 1'-0"

EMERGENCY AND EXIT LIGHTS SHALL BE CONNECT TO THE SAME CIRCUIT THAT SERVES THE LIGHTS THAT ARE IN THE SAME AREA THAT THE EMERGENCY AND EXIT LIGHTS ARE IN AND SHALL BE CONNECTED AHEAD OF ANY LOCAL SWITCHES.

| FIX. SYM. | LIGHT DISCRIPTION | WATTS | CTY. — WATTS | | LTG. FIXT |
|--------------|---|-------|-------------------------|------------------------------------|--|
| | E-CONOLIGHT MODEL - E-XML1W (2) TWO ADJUSTABLE HEADS | 1.8 | TYPE. FURNISHED W/ FIX | WALL OR CEILING SURFACE | EMERGENCY LIGHT WITH BATTERY NOTES: B & 0 |
| | E-CONOLIGHT EXIT LIGHT MODEL - E-XCL2RRCW SINGLE FACE | 3.4 | FURNISHED W/ FIX | WALL OR CEILING TURE SURFACE | L.E.D. EXIT SIGNATED LETTERS W/EMERGENCY BATTERY NOTE: B & C |
| | E-CONOLIGHT EXTERIOR EMERGENCY LIGHT MODEL - E-XHL2DW DUAL LIGHT, 3.6 WATTS (USE E-XHL-2WG IN WET LOCATION AREAS) | | FURNISHED W/ FIX | TURE WALL SURFACE | EMERGENCY LIGHT WITH BATTERY NOTES: B & |
| | 2'-0" X 4'-0" LED CEILING LIGHT HERMITAGE C-TR-CFP24-50L-50K-WH | 41 | 41 WATT LED | LAYIN CEILING | NOTES: A & |
| | NIGHT LIGHT 2'-0" X 4'-0" LED CEILING LIGHT HERMITAGE C-TR-CFP24-50L-50K-WH | 41 | 41 WATT LED | LAYIN CEILING | NOTES: A, B & D |
| 0 | CAN LIGHTS | 50 | 50 WATT LED | LAYIN CEILING | |

B FIXTURE PROVIDED WITH DUAL VOLTAGE 120/277V POWER SUPPLY. VERIFY VOLTAGE FOR EACH FIXTURE LOCATION. C LIGHT FIXTURE SHALL HAVE BATTERY BACK-UP AND WIRED AHEAD OF LIGHTS ON SAME CIRCUIT. THE BATTERY BACK-UP SHALL ALLOW THIS FIXTURE TO REMAIN ON FOR A MIN. OF 90 MINUTES DURING LOSS OF POWER.

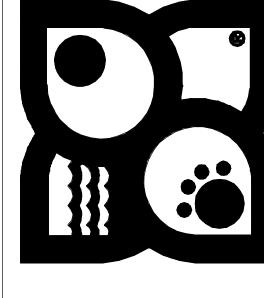
D LIGHT FIXTURE SHALL REMAIN ON DURING NON-BUSINESS WORKING HOURS.

A. NEW LED LAMP

\$ a SWITCH WITH A LOWER CASE LETTER WILL CONTROL THE LIGHT FIXTURE WITH THE SAME LOWER CASE LETTER.

\$ OC A SWITCH WITH THIS REFERENCE WILL BE EQUIPPED WITH AN OCCUPANCY SENSOR.

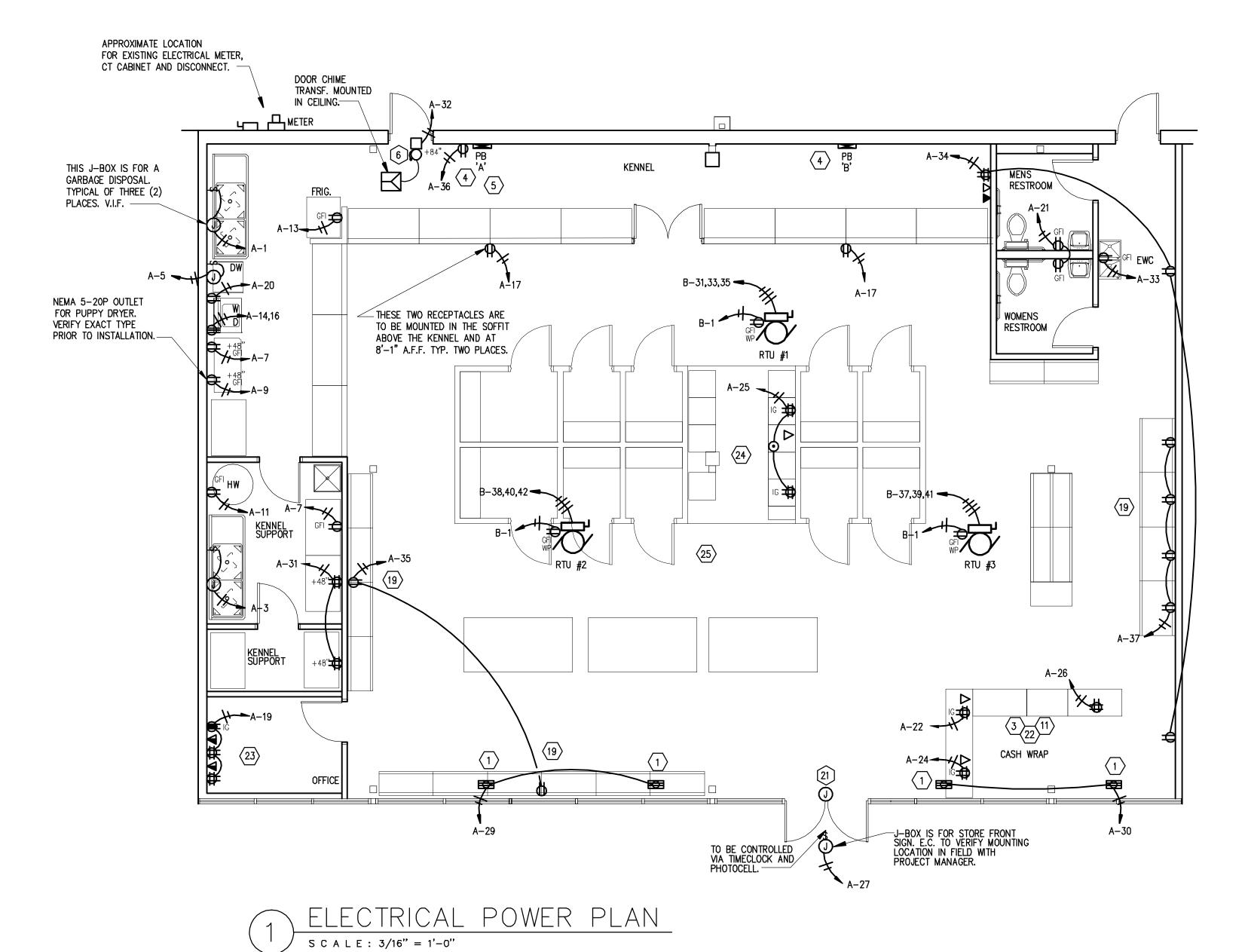




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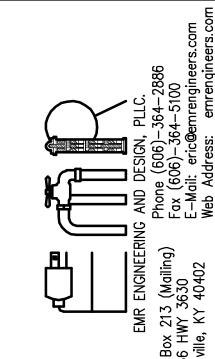


SYMBOL LEGEND

| S | SPEAKER | | |
|------------------|---|-------------------|---|
| | DOUBLE DUPLEX RECEPTACLE | | ELECTRICAL PANEL |
| J | JUNCTION BOX WITH FLUSH COVER | <i>(</i>) | SINGLE OR THREE-PHASE MOTOR - HP INDICATED |
| $^{G} \Phi$ | DUPLEX RECEPTACLE - GROUND FAULT INTERRUPTER TYPE | ▼ | TELEPHONE OUTLET MOUNTED AT 18" A.F.F. |
| • | DUPLEX RECEPTACLE - FLOOR MTD - VERIFY LOCATION | ₩W | WALL MOUNTED TELEPHONE OUTLET MOUNTED AT 60" A.F.F. |
| • | RECEPTACLE MTD 6" ABOVE COUNTER OR 48"AFF | ∇ | COMBINATION TELEPHONE/DATA OUTLET |
| φ | DUPLEX RECEPTACLE - MTD 18" AFF (TO BE VERIFIED) | \mathbb{O}_{D} | DUCT SMOKE DETECTOR |
| A | SPECIAL PURPOSE RECEPTACLE - MTD. AT 18" AFF, SEE DWG | | BELOW FLOOR CONDUIT |
| , , , | FOR AMPERAGE AND VOLTAGE | E.C. | ELECTRICAL CONTRACTOR |
| • | PUSH BUTTON SWITCH MOUNT AT 60" A.F.G. | HVAC | HEATING, VENTILATING, AIR CONDITIONING CONTRACTOR |
| | DOOR BELL OR BUZZER - MOUNTING AT 84" A.F.F. | AFF | ABOVE FINISHED FLOOR |
| S ₃ | THREE WAY SWITCH | AFG | ABOVE FINISHED GRADE |
| S | SWITCH — SINGLE POLE VOLUME CONTROL | WP | WEATHER PROOF |
| © ∥ | 3 WIRES, 1 NEUTRAL | IG | ISOLATED GROUND |
| r'' Ini | 4 WIRES , 1 NEUTRAL | RTU | ROOF TOP UNIT |
| A-1 // | HOME RUN PANEL AND CIRCUIT NUMBER,2-#12, #12G., | C. | CONDUIT |
| | 3/4" C. TO A 20A-1P C/B TYPICALLY | G. | GROUND |
| 5 | "RUN CONTINUES" INDICATION | мсв | MAIN CIRCUIT BREAKER |
| | BACK BOARD | MLO | MAIN LUG ONLY |
| \boxtimes | FUSED DISCONNECT SWITCH | EF | EXHAUST FAN |
| S | MAGNETIC MOTOR STARTER - H.O.A. TYPE | TV | TELEVISON CABLE OUTLET WITH CABLE TO OFFICE |
| | | | |

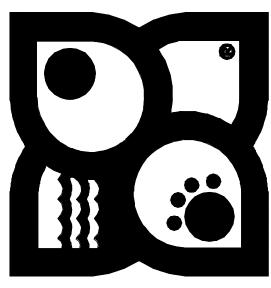
POWER PLAN CODED NOTES:

- 1 STORE FRONT SHOW WINDOW OUTLETS MOUNTED IN CEILING OR IN BULKHEAD AS DIRECTED.
- 2 NOT USED
- 3 DEVICE LOCATED IN CASEWORK. COORDINATE EXACT LOCATION WITH DESIGNER.
- 4 SEE DISTRIBUTION DIAGRAM ON DRAWING E-3.
- TELEPHONE BACKBOARD. PROVIDE RECEPTACLE AND GROUNDING. EXTEND 1 1/2" CONDUIT FOR TELEPHONE SERVICE FROM LANDLORD'S TELEPHONE CABINET TO THIS LOCATION. COORDINATE WITH TENANT COORDINATOR.
- 6 PROVIDE AND INSTALL LOW VOLTAGE DELIVERY BUZZER SYSTEM. LOCATE PUSH-BUTTON AT REAR DOOR. TRANSFORMER AND BUZZER IN RECEIVING AREA. CONNECT TO RECEPTACLE CIRCUIT AS INDICATED.
- $\overline{7}$ not used
- $\langle 8 \rangle$ not used
- 9 not used
- (10) NOT USED
- PROVIDE TELEPHONE OUTLET WITH TELEPHONE CABLE FROM CASH WRAP TO OFFICE. DATA OUTLET TO BE BLANK FOR TENANT INSTALLED SYSTEM. LOCATE DEVICES IN CASEWORK FOR CASH WRAP AS DIRECTED BY DAS PRIOR TO ROUGH—IN.
- $\langle 12 \rangle$ not used
- (13) NOT USED
- (14) NOT USED
- (15) NOT USED
- $\langle 16 \rangle$ NOT USED
- (17) NOT USED
- $\overline{18}$ not used
- 36" FLEX CONNECTION TO DUPLEX OUTLET MOUNTED IN BASE OF DISPLAY UNIT. COORDINATE LOCATION OF DUPLEX OUTLET WITH KNOCKOUT IN DISPLAY UNIT. SEE DETAIL "A" ON DRAWING E-3.
- 20 NOT USED
- (21) E.C. TO PROVIDE 1" CONDUIT FROM OFFICE CEILING TO FRONT EXIT DOOR WITH PULL STRING. TERMINATE AT 120" A.F.F. WITH JUNCTION BOX.
- 22 RUN 3 CAT 5 CABLES TO OFFICE PATCH PANEL AND 1 CAT 5 CABLE TO TELEPHONE BACKBOARD
- RUN 2" CONDUIT FROM ABOVE CEILING DOWN TO SHELVE AT 70" A.F.F. TO PATCH PANEL FOR DATA (VERIFY IN FIELD)
- 24 RUN 3 CAT 5 CABLE TO FRONT OFFICE PATCH PANEL
- E.C. TO INSTALL SPEAKERS THROUGH OUT STORE, VERIFY QUANITY AND LOCATION WITH OWNER. VOLUME CONTROL TO BE INSTALLED IN OFFICE.









OWNER:

E-2

SHEET

CHK'D BY: EE

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NOTES:

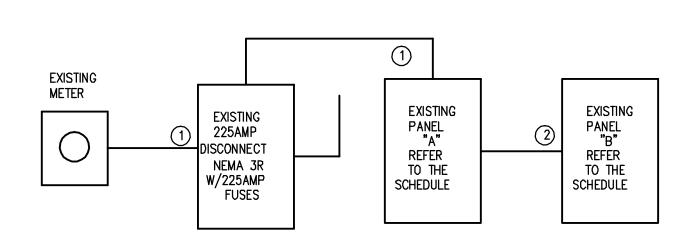
- THE CONTRACTOR SHALL, FURNISH ALL LABOR MATERIALS AND EQUIPMENT FOR THE COMPLETE INSTALLATION
- 2. NOT USED
- 3. ALL SWITCHES ARE TO BE @ 46" AFF. AND ARE TO BE 20A 120/277V 'T' RATED SPEC. GRADE TYPE.
- 4. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2014 EDITION OF THE NEC AND THE LATEST EDITION OF ALL LOCAL CODES AND ORDINANCES.
- 5. WORKMANSHIP SHALL BE FIRST QUALITY AND IN ACCORDANCE WITH BEST PRACTICES FOR THE TRADE BY SKILLED WORKERS.
- 6. LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL COORDINATE ACTUAL LOCATIONS WITH OTHER TRADES AND THE OWNER OF THE OWNERS AUTHORIZED REPRESENTATIVE.
- 7. UNLESS OTHERWISE NOTED, CONDUCTOR INSULATION SHALL BE TYPE THHN, RATED 600V AC AND 75 DEG. C. CONDUCTORS FOR USE IN POWER AND LIGHTING CIRCUITS NO. 10 AND SMALLER SHALL BE SOLID, NO. 8 AND LARGER CONDUCTORS SHALL BE STRANDED. CONDUCTORS FOR USE IN CONTROL AND SIGNAL CIRCUITS SHALL BE NO. 14 STRANDED, ALL CONDUCTORS SHALL BE COPPER.
- 8. CONDUIT RUNS SHALL BE INSTALLED PER STATE AND LOCAL CODES.
- 9. ALL MATERIALS SHALL BE NEW, WITH U.L. APPROVED LABELS.
- 10. ALL ELECTRICAL EQUIPMENT AND SYSTEMS SHALL BE TESTED AND ADJUSTED FOR PROPER OPERATION. COMPLETE WRING SYSTEM SHALL BE FREE OF SHORT AND OPEN CIRCUITS.
- 11. COLOR OF DEVICES AND DEVICE PLATES SHALL BE COORDINATED WITH WALL COLOR AND SHALL BE COMPATIBLE WITH WALL COLORS.
- 12. THE CONTRACTOR SHALL OBTAIN AND PAY ALL FEES AND PERMITS REQUIRED FOR THE CONSTRUCTION OF THE PROJECT.
- 13. THE CONTRACTOR SHALL FURNISH THE CERTIFICATE OF ELECTRICAL INSPECTION TO THE OWNER AT THE COMPLETION OF THIS PROJECT.
- 14. ALL ELECTRICAL EQUIPMENT SHOWN SHALL BE ELECTRICALLY PROTECTED AND PROPERLY WIRED IN ACCORDANCE WITH THE NEC. COORDINATE LOCATIONS AND ELECTRICAL DATA WITH THE OWNER.
- 15. FLEXIBLE METAL RACEWAYS 6 FEET OR LESS IN LENGTH SHALL BE PROVIDED TO ALL ELECTRICAL EQUIPMENT SUBJECT TO VIBRATION OF MOVEMENT AND FOR ALL MOTORS. LIQUID TIGHT RACEWAYS SHALL BE USED IN WET LOCATIONS.
- 16. REUSE EXISTING ELECTRICAL SERVICE AND PANELS AS SHOWN.
- 17. ALL EXISTING CONDUIT AND CONDUCTORS THAT ARE NOT TO BE USED IN THE REMODEL MUST BE REMOVED, OBSOLETE AND DILAPIDATED WIRING AND EQUIPMENT SHALL NOT BE REUSED.

| | ELECTR | CIC. | AL | PAN | EL (| SC | HEDULE | | |
|---|---|--|---|--|---|---|--|---|--|
| FEED_PO SERVICE VOLTAGE | SITION | | OUNTI ANEL | | | | _A ENCLOSURE _ EXISTING 225MP PANEL | 225A MAIN BREAKER | |
| CB WIRE & CONDUIT | LOAD SERVED | CKT# | LO øA | AD WA | TTS | CKT# | LOAD SERVED | WIRE & CONDUIT | СВ |
| 2-#12 THW & 1 #12 G, 3/4" C. | GARBAGE DISPOSAL | 1 | 1000 | | | 2 | STORE FRONT SIGN | 2-#12 THW & 1 #12 G, 3/4" C. | 20A 1P |
| 2-#12 THW & 1 #12 G, 3/4" C. | GARBAGE DISPOSAL DISHWASHER KENNEL RECEPTS. PUPPY DRYER WATER HEATER KENNEL FRIDGE PANEL BOARD RECEPT. SOFFIT RECEPTS. OFFICE RECEPTS. RESTROOMS RECEPTS. EWC FLOOR RECEPTS./QUADS STORE FRONT SIGN CEILING RECEPTS. SUPPORT RM. QUADS SUPPORT RM. RECEPT. MISC. RECEPTS. SPACE | 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 | 720 123 500 1500 900 500 900 360 720 100 | 1000 527 1000 574 180 1500 360 360 360 1200 100 180 720 0 8712 | 1000 887 180 533 360 1656 540 360 720 540 540 | 4 6 8 10 14 16 18 20 22 24 26 28 30 32 34 40 42 | OFFICE & R.R. LIGHTS KENNEL LIGHTS NIGHT LIGHTS SALES AREA LIGHTS SALES AREA LIGHTS DRYER KENNEAL EXHAUST FAN WASHER CASHWRAP QUAD CASHWRAP QUAD CASHWRAP QUAD TIME CLOCK CEILING RECEPTS. DOOR BUZZER MISC. RECEPTS. RTU RECEPTS. | 2-#12 THW & 1 #12 G, 3/4" C. 3-#12 THW & 1 #12 G, 3/4" C. 3-#12 THW & 1 #12 G, 3/4" C. 2-#12 THW & 1 #12 G, 3/4" C. | 20A 1P 20A 1P 20 |

TOTAL LOAD KVA/AMPS <u>50.8/141.0</u> DEMAND <u>50,756</u> PROTECTED LOAD-AMPS <u>176.3/225AT</u>

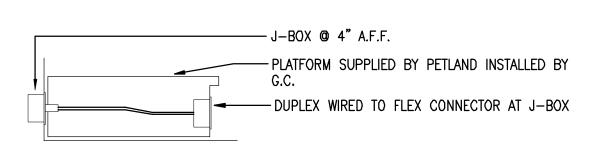
TOTAL LOAD WATTS <u>50,756</u>

| | ELECTRICAL PANEL SCHEDULE | | | | | | | | | | |
|---|---|---------------------------|----------------------------------|----------------------|----------------------|--------------|---------------------------|----------------------|----------------------------------|---------------------------|-----------|
| | SER | FEED POS | SITION | | OUNTI ANEL I | | | | B ENCLOSURE . | 225A MAIN BREAKER | _ |
| | СВ | WIRE & CONDUIT | LOAD SERVED | CKT# | LO, øA | AD WA | rts øC | CKT# | LOAD SERVED | WIRE & CONDUIT | СВ |
| Н | 3P 15A | 4-#8 THW & 1 #10 G, 1" C. | RTU-1 | 1 3 5 | 2904 2904 2904 | 2904 2904 | ⁾ 2904 2904 | 2 4 6 |] | 4-#8 THW & 1 #10 G, 1" C. | 45A 3P |
| Н | | 4-#8 THW & 1 #10 G, 1" C. | RTU-3 | 7 9 11 13 | 0 | 2904 0 (| 2904 2904 0 | 8 10 12 14 | SPACE SPACE | | |
| - | | | SPACE SPACE SPACE | 15 17 19 | | 0 0 0 | 0 | 16 18 20 | SPACE SPACE SPACE | | |
| - | | | SPACE SPACE SPACE SPACE | 21 23 25 27 | 0 | o (}o | 0 | 22 24 26 28 | SPACE SPACE | | |
| - | | | SPACE SPACE SPACE | 29 31 33 | 0 | 0 0 0 | 0 | 30 32 34 | SPACE SPACE SPACE | | |
| - | | | SPACE SPACE SPACE SPACE | 35 37 39 | 0 | 0 0 0 | 0 0 | 38 40 | SPACE SPACE SPACE SPACE | | |
| - | Н | HACR BREAKER | TOTALS | 41 | 8712 | 8712 | 0 8712 | 42 | SPACE | | |
| | TOTAL LOAD KVA/AMPS <u>26.2/72.6</u> DEMAND <u>26,136</u> PROTECTED LOAD—AMPS <u>90.8/225AT</u> | | | | | | | | | | |

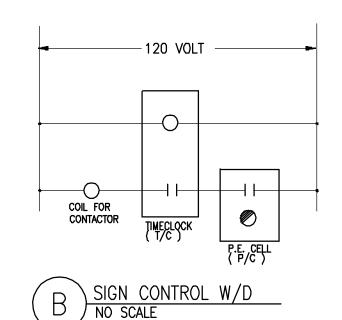


- 1 EXISTING TO BE REUSED AS IS
- (4) #4/0 THW
 (2) #2 COPPER GRO
- RISER DIAGRAM

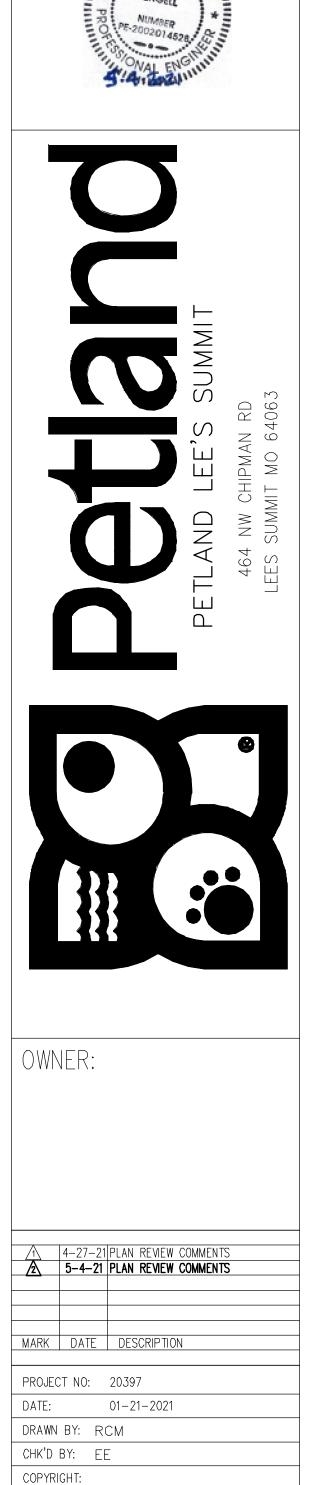
 S C A L E : N.T.S.







|* LOCK-ON BREAKER



SHEET TITLE:

SHEET

E-3