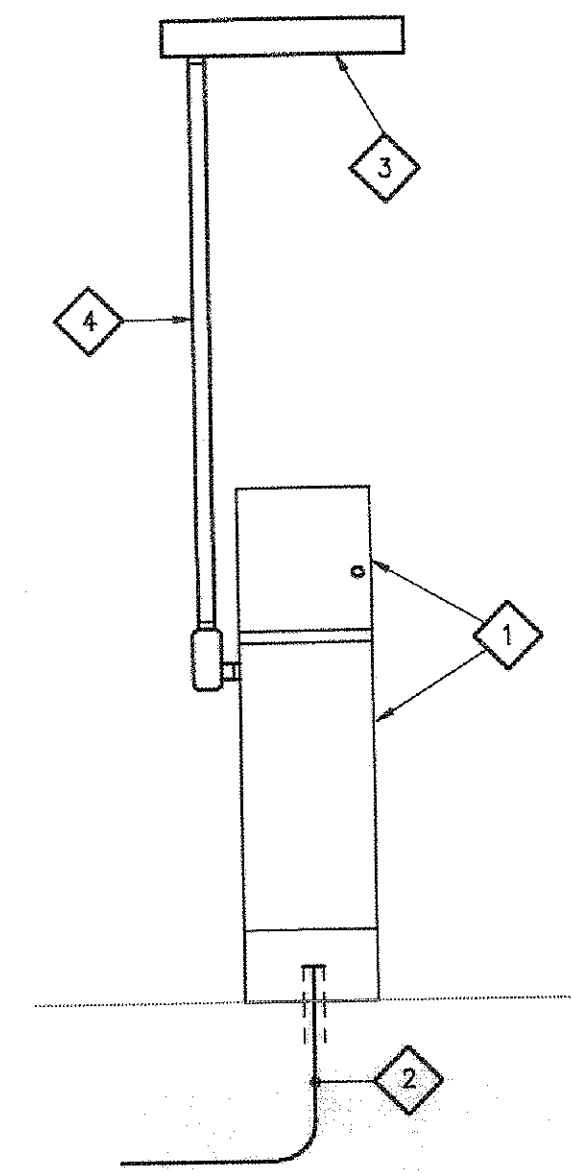


SYMBOL SCHEDULE	
SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
<b>LIGHTING (LETTER DENOTES TYPE - SEE LIGHT FIXTURE SCHEDULE)</b>	
FLUORESCENT	FLUORESCENT FIXTURE ON EMERGENCY CIRCUIT
<b>SWITCHES</b>	
↓	SINGLE POLE SWITCH
<b>RECEPTACLES AND OUTLETS</b>	
⊕	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
⊕	DUPLEX RECEPTACLE
⊕	JUNCTION BOX
<b>COMMUNICATION AND FIRE ALARM EQUIPMENT</b>	
◀	SINGLE GANG OUTLET BOX AND TWO PORT COVER PLATE WITH BLANKS W/EMPTY 3/4" C. TO ACCESSIBLE AREA ABOVE CEILING
⊕	TAMPER SWITCH
⊕	WATER FLOW SWITCH
⊕	SMOKE DETECTOR
⊕	FIRE ALARM MANUAL PULL STATION
⊕	AUDIO/VISUAL FIRE ALARM DEVICE WITH HORN AND STROBE
⊕	FIRE ALARM VISUAL STROBE DEVICE
⊕	RECESSED WEATHERPROOF FIRE ALARM HORN
<b>MOTOR CONTROLLERS AND EQUIPMENT</b>	
⊕	DISCONNECT SWITCH AS REQUIRED
<b>ELECTRICAL EQUIPMENT</b>	
⊕	120/208 VOLT PANELBOARD
<b>CIRCUITING</b>	
---	CONDUIT
----	CONDUIT IN/OR BELOW FLOOR, SLAB, OR GRADE
<b>SUBSCRIPTS AND ABBREVIATIONS</b>	
WP	INDICATES WEATHERPROOF
NL	LIGHT FIXTURE ON NIGHT LIGHT CIRCUIT

GENERAL NOTE:  
ALL EXTERIOR BUILDING ELECTRICAL EQUIPMENT TO BE WEATHERPROOF  
NEMA-3R MINIMUM UNLESS NOTED OTHERWISE.



#### 4 TELEPHONE CABINET DETAIL

NO SCALE

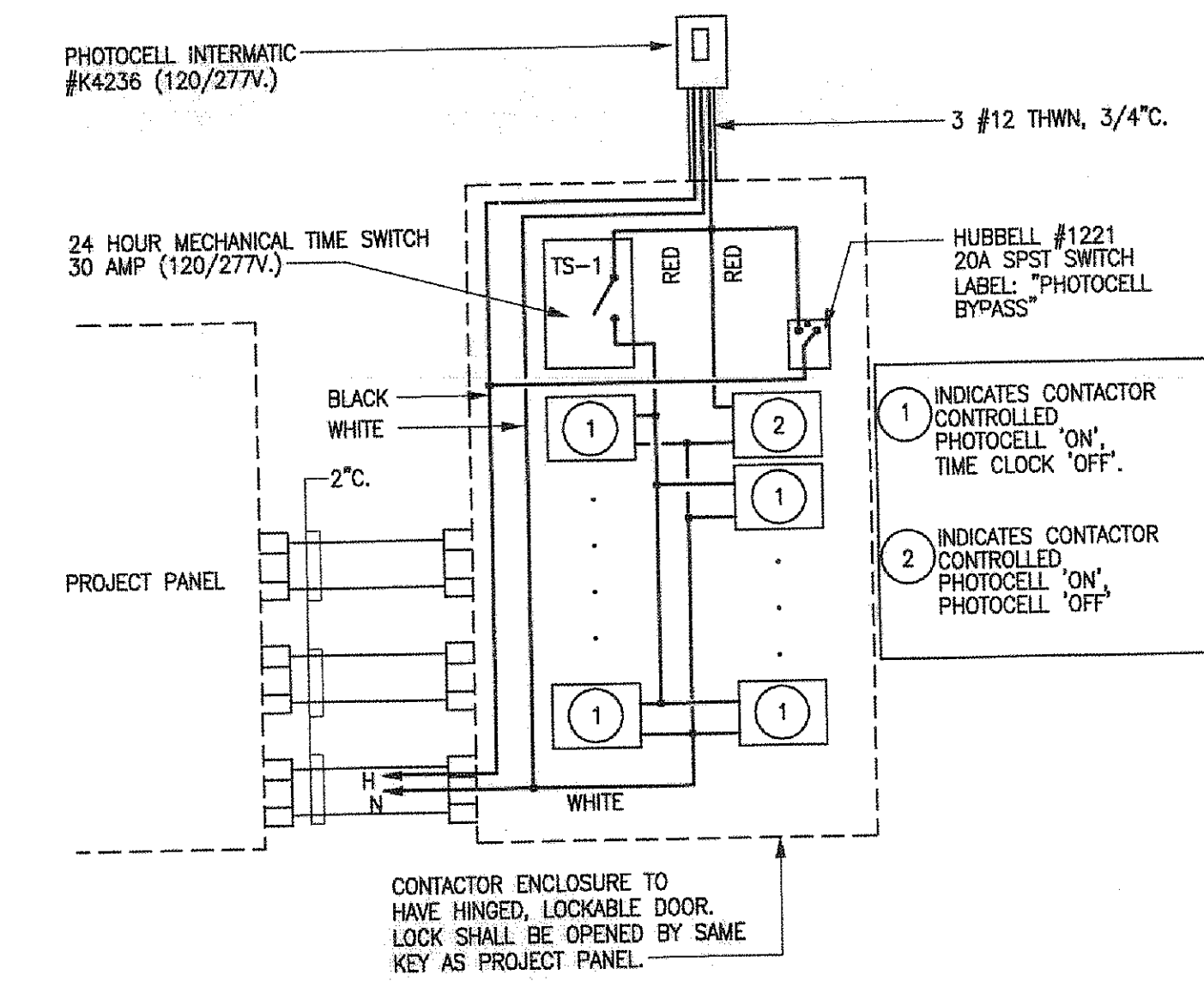
##### NOTE BY SYMBOL

1. TELEPHONE AND SPLICE ENCLOSURE FURNISHED AND INSTALLED BY TEL. CO. COORDINATE INSTALLATION, PROVIDE GROUND AS REQUIRED BY TEL. CO.
2. CONNECT TO AND EXTEND (1) ONE SCH. 40 PVC CONDUIT WITH PULLCORD, STUB UP 4" ABOVE FINAL PAVING INSIDE SPLICE ENCLOSURE AS REQUIRED BY TEL. CO.
3. PROVIDE 8"x8"x36" NEMA 3R, SCREW COVER WIREWAY AT JOIST SPACE ABOVE. STUB THROUGH BACK OF WIREWAY 4" INTO JOIST SPACE. (1) ONE 1" EMT FOR EVERY COLUMN BAY FOR FUTURE TENANTS TELEPHONE CABLES. LOCATIONS SERVING FIRE SPRINKLER MONITORING PANELS CONNECT (1) ONE 1" EMT INTO BACK OF WIREWAY. COORDINATE REQUIREMENTS WITH TEL. CO., SEAL ALL WALL PENETRATIONS, PAINT COLOR SELECTED BY ARCHITECT.
4. PROVIDE (1) ONE 2" EMT WITH PULLCORD FROM AN LB FITTING AT TELEPHONE CABINET UP WALL TO BOTTOM OF WIREWAY WITH WP HUB, SECURE WITH 2-HOLE STRAPS, BOLTS AND EXPANSION ANCHORS. COORDINATE REQUIREMENTS WITH TEL. CO., PAINT COLOR SELECTED BY ARCHITECT.

##### TELEPHONE CABINET DETAIL NOTES: EXTERNAL CABINET TERMINATION

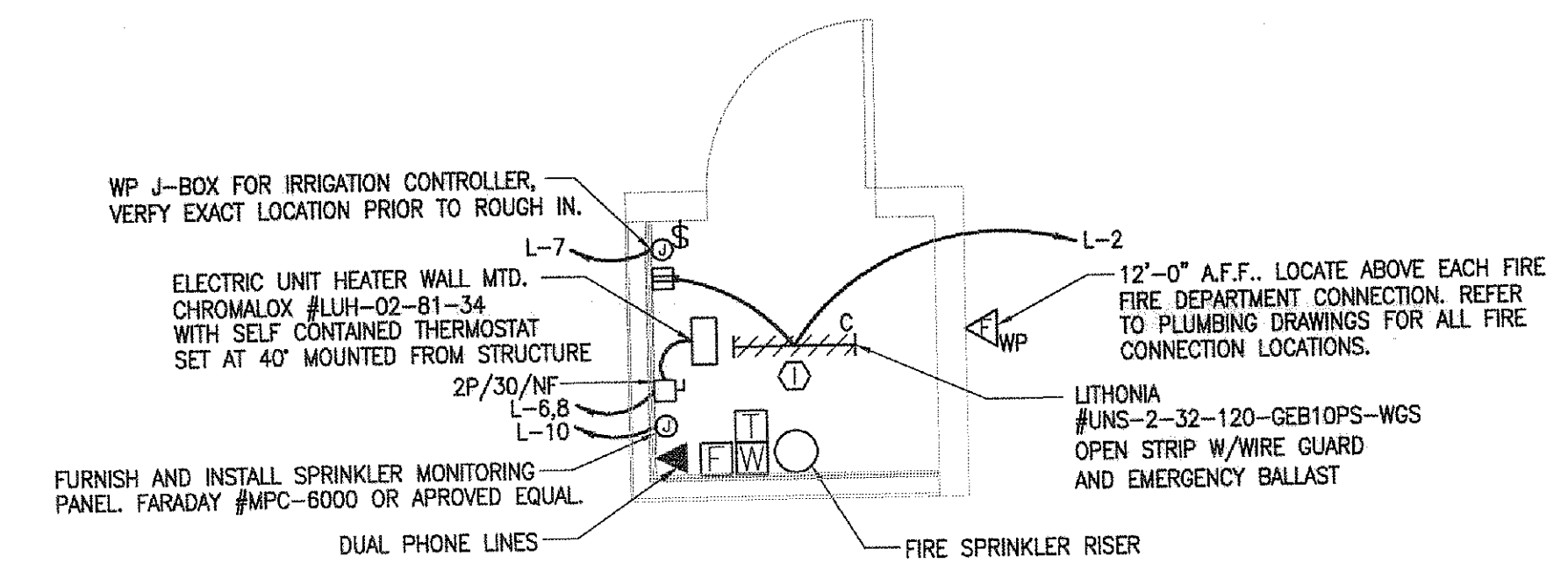
FOLLOWING ARE STANDARD TEL. CO. SPECIFICATIONS FOR ENTRANCE CONDUIT AND GROUNDING REQUIREMENTS FOR TEL. CO. PROVIDED EXTERNAL (WALL MOUNTED) TERMINATION CABINETS:

1. ALL UNDERGROUND ENTRANCE CONDUIT SHOULD BE 3" OR 4" SCHEDULE 40 PVC. (2" WILL WORK FOR SHORT RUNS TO SMALL BUILDINGS).
  - \*ONE SPARE (VACANT) CONDUIT IS RECOMMENDED FOR ALL LARGE DEVELOPMENTS.
  2. EQUIP ALL CONDUIT RUNS WITH PULL CORD; CAP CONDUIT ENDS.
  3. CONDUIT RUNS GREATER THAN 500' REQUIRE INTERMEDIATE PULL BOXES.
  4. EACH RUN SHOULD HAVE NO MORE THAN TWO SWEEPING (LARGE RADIUS) 90° BENDS; ONE AT EACH END.
  5. IF MORE THAN TWO LARGE RADIUS 90° BENDS ARE REQUIRED, INTERMEDIATE PULL BOXES SHOULD BE PROVIDED (DEPENDS ON LENGTH).
  6. ALL UNDERGROUND ENTRANCE CONDUIT SHOULD BE PLACED A MINIMUM OF 24" TO 30" BELOW FINAL PAVING OR GRADE.
  7. TELEPHONE CONDUIT SHOULD BE STUBBED UP OUTSIDE THE PROPERTY LINE, OR IF A UTILITY POLE IS NEAR, STUB UP FLUSH WITH THE POLE (ON OPPOSITE SIDE OF ANY POWER COMPANY RISERS).
  - \*NOTE: WHERE TELEPHONE CONDUIT STUBS UP AT THE BUILDING, THE CONDUIT MUST BE FLUSH AT GROUND LEVEL WITH EXTERIOR WALL TO ACCOMMODATE CABINET PLACEMENT.
  8. TEL. CO. WILL PROVIDE AND INSTALL ALL TERMINATION CABINETS.
  9. TELEPHONE CABINETS WILL BE INSTALLED AT NORMAL WORKING HEIGHT. (SEE ATTACHED DRAWING).
  10. TEL. CO. TERMINAL CABINETS WILL NOT BE PLACED IN AREAS WHERE TELEPHONE EQUIPMENT WILL BE SUBJECT TO PHYSICAL DAMAGE.
  11. BUILDING OWNER OR DEVELOPER SHOULD PROVIDE AND INSTALL ALL RISER EQUIPMENT/HARDWARE. (SEE ATTACHED DRAWING FOR DETAIL).
  12. AN INSULATED #6 SOLID COPPER GROUND WIRE MUST BE RUN FROM THE TELEPHONE CABINET TO THE MAIN BUILDING GROUND OR THE POWER GROUND; MAXIMUM LENGTH IS 20' (OWNER PROVIDED).
  13. ALL INTERIOR TELEPHONE OUTLET LOCATIONS SHOULD BE PRE-WIRED BACK TO THE EXTERIOR TELEPHONE CABINET. 3/4" - 1" ELECTRICAL CONDUIT MAY BE REQUIRED FOR SOME ATTIC INSTALLATIONS. LEAVE 8" TO 10" PRE-WIRE SLACK.
  14. ALL TELEPHONE INSTALLATION WORK NEEDS TO BE COMPLETED WELL IN ADVANCE OF THE FIRST SERVICE REQUEST (MINIMUM 15 DAYS) TO ALLOW FOR TURN-UP AND TESTING OF TELEPHONE FACILITIES.
  15. TELEPHONE NETWORK SERVICE DEMARCATION POINT IS AT THE EXTERNAL TEL. CO. TELEPHONE CABINET.
- \*OWNER OR HIS/HER DESIGNATED TELEPHONE VENDOR IS RESPONSIBLE FOR ALL WIRING AND INSTALLATIONS BEYOND THE NETWORK DEMARCATION.



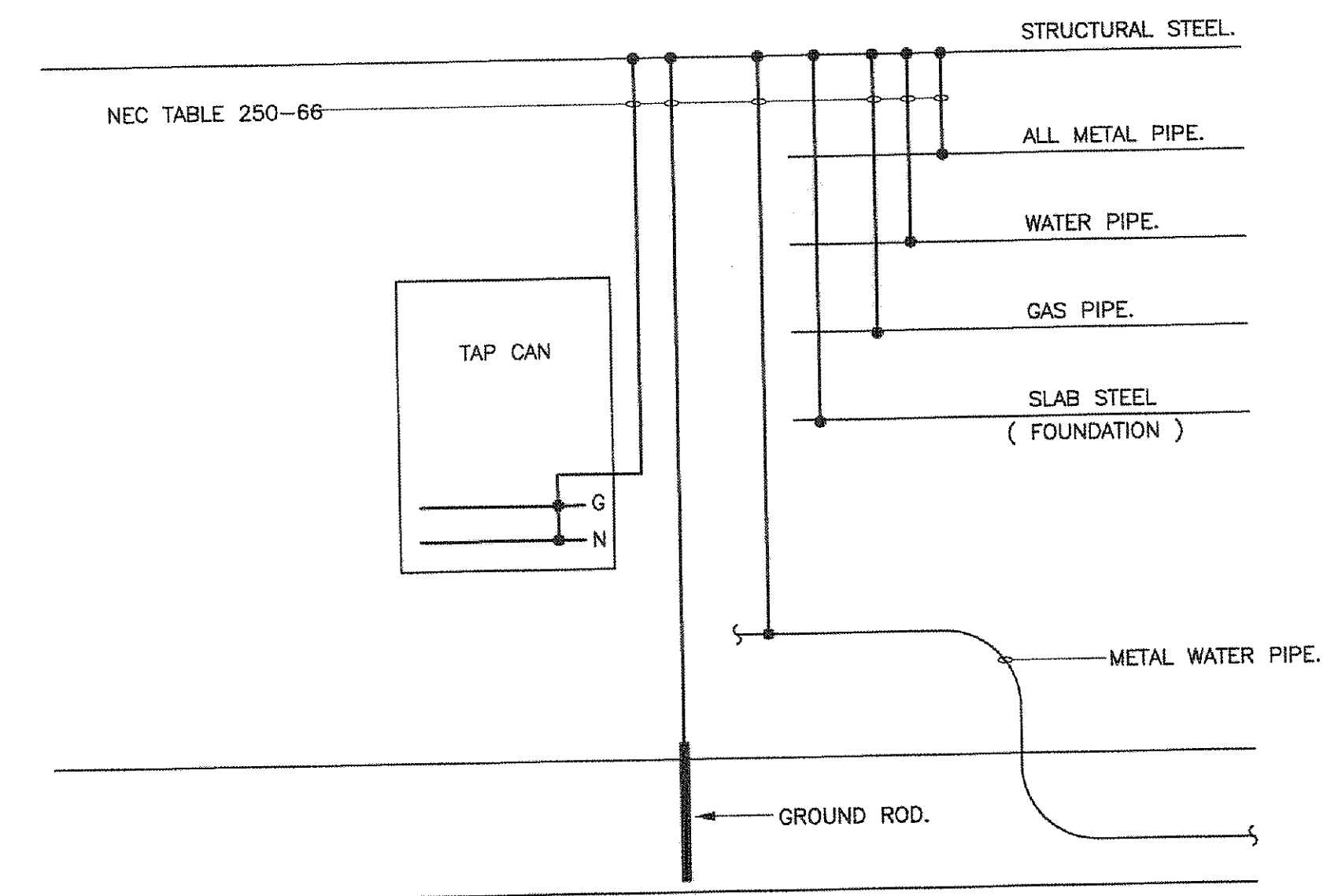
#### 3 LIGHTING CONTROL DIAGRAM

NO SCALE



#### 2 TYPICAL FIRE RISER ROOM

NO SCALE



#### 1 SYSTEM GROUNDING DETAIL

NO SCALE

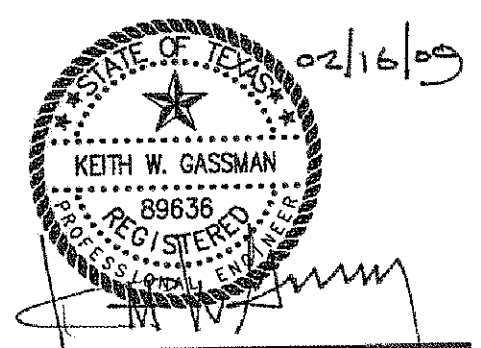
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DETAILS & SCHEDULES ELECTRICAL

E3.1