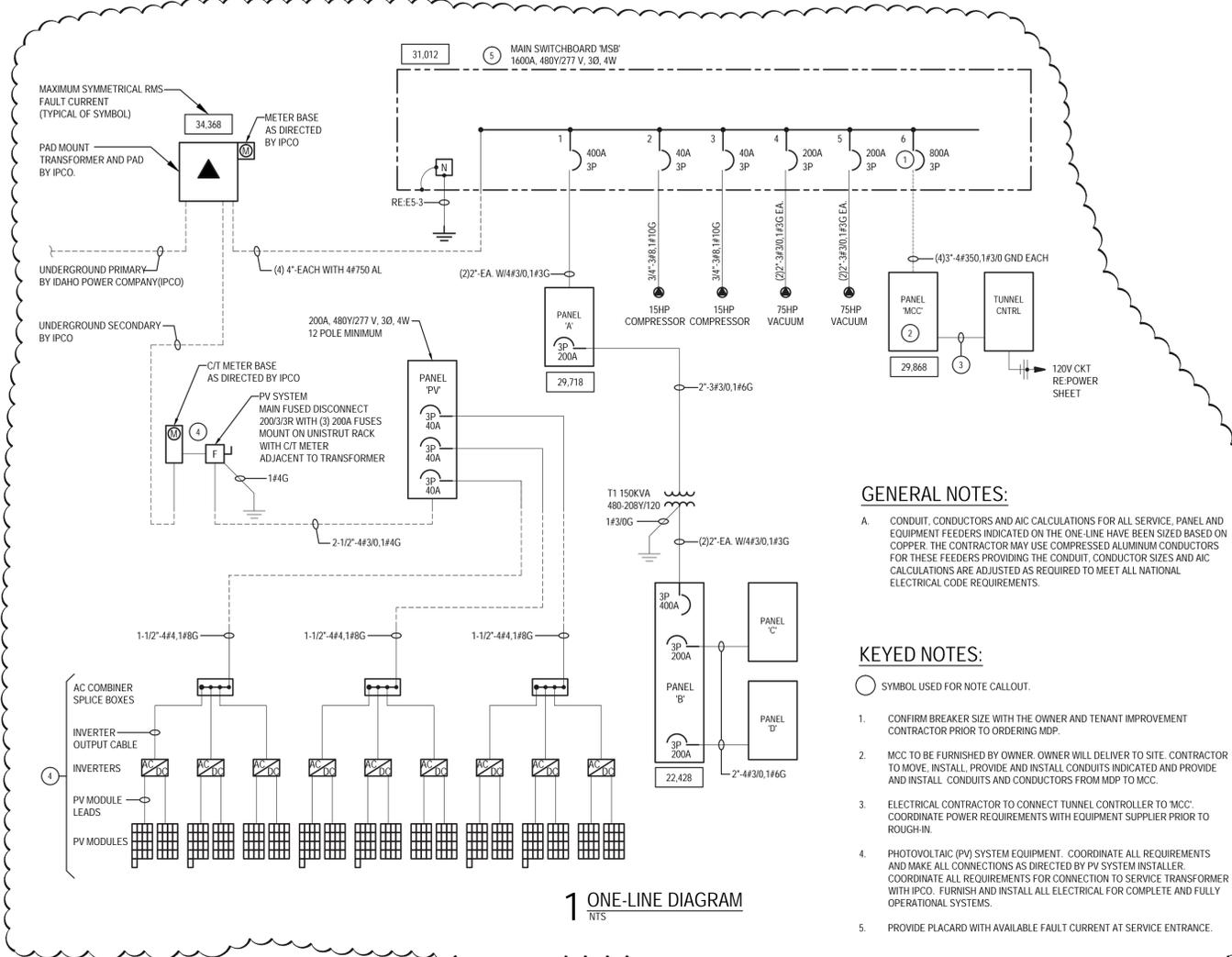




revisions:
 1. 05/01/2015 City Comments
 2. 05/21/2015 POS Island Revisions
 3. 07/27/2015 Owner Revisions

CONTROL ZONES		
ZONE	DESCRIPTION	CKTS
1	LTS-EXTERIOR BLDG	A-1
2	LTS-WASH BAYS	A-3,5,7,9,11
3	LTS-EQUIPMENT 112	A-15
4	LTS-SITE	A-2,4,6,8,10,12
5	MONUMENT SIGN	A-14,16, 18
6	REC-CHRISTMAS LIGHTS	D-8,10
7	LIGHT TRANSFORMERS	D-2,4,6
8	EXTERIOR BUILDING SIGNS	D-11,13,15,17

NOTES:
 1. PROVIDE UNSWITCHED LEG TO EGRESS FIXTURES.
 2. PROVIDE TIME/CLOCK PROGRAMMING AS REQUIRED
 COORDINATE TIME SCHEDULE WITH OWNER.

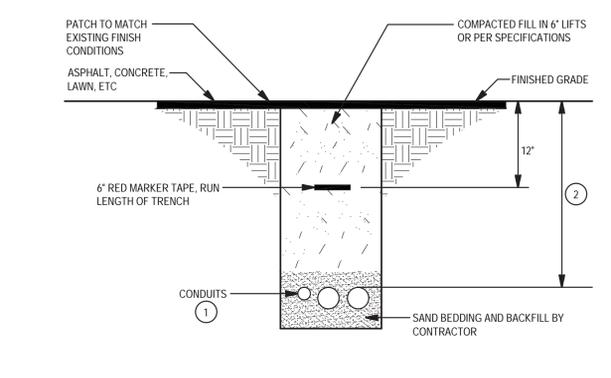


GENERAL NOTES:

A. CONDUIT, CONDUCTORS AND AIC CALCULATIONS FOR ALL SERVICE, PANEL AND EQUIPMENT FEEDERS INDICATED ON THE ONE-LINE HAVE BEEN SIZED BASED ON COPPER. THE CONTRACTOR MAY USE COMPRESSED ALUMINUM CONDUCTORS FOR THESE FEEDERS PROVIDING THE CONDUIT, CONDUCTOR SIZES AND AIC CALCULATIONS ARE ADJUSTED AS REQUIRED TO MEET ALL NATIONAL ELECTRICAL CODE REQUIREMENTS.

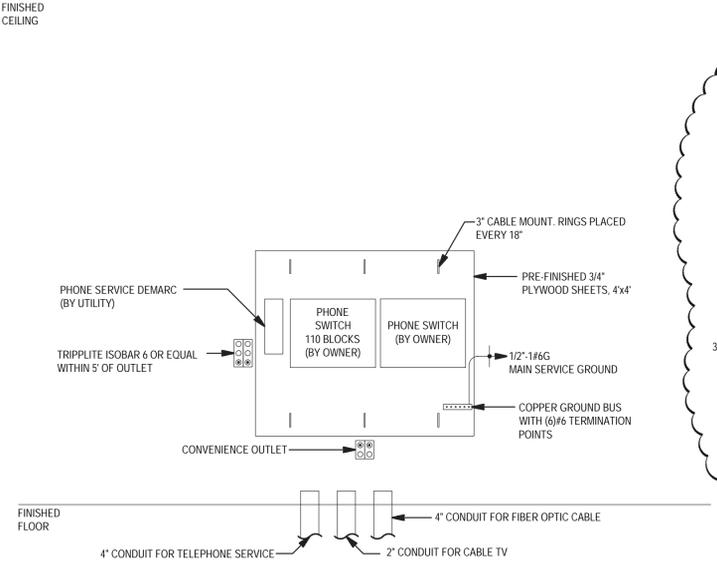
KEYED NOTES:

- SYMBOL USED FOR NOTE CALLOUT.
- 1. CONFIRM BREAKER SIZE WITH THE OWNER AND TENANT IMPROVEMENT CONTRACTOR PRIOR TO ORDERING MDP.
- 2. MCC TO BE FURNISHED BY OWNER. OWNER WILL DELIVER TO SITE. CONTRACTOR TO MOVE, INSTALL, PROVIDE AND INSTALL CONDUITS INDICATED AND PROVIDE AND INSTALL CONDUITS AND CONDUCTORS FROM MDP TO MCC.
- 3. ELECTRICAL CONTRACTOR TO CONNECT TUNNEL CONTROLLER TO MCC. COORDINATE POWER REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
- 4. PHOTOVOLTAIC (PV) SYSTEM EQUIPMENT. COORDINATE ALL REQUIREMENTS AND MAKE ALL CONNECTIONS AS DIRECTED BY PV SYSTEM INSTALLER. COORDINATE ALL REQUIREMENTS FOR CONNECTION TO SERVICE TRANSFORMER WITH IPSCO. FURNISH AND INSTALL ALL ELECTRICAL FOR COMPLETE AND FULLY OPERATIONAL SYSTEMS.
- 5. PROVIDE PLACARD WITH AVAILABLE FAULT CURRENT AT SERVICE ENTRANCE.

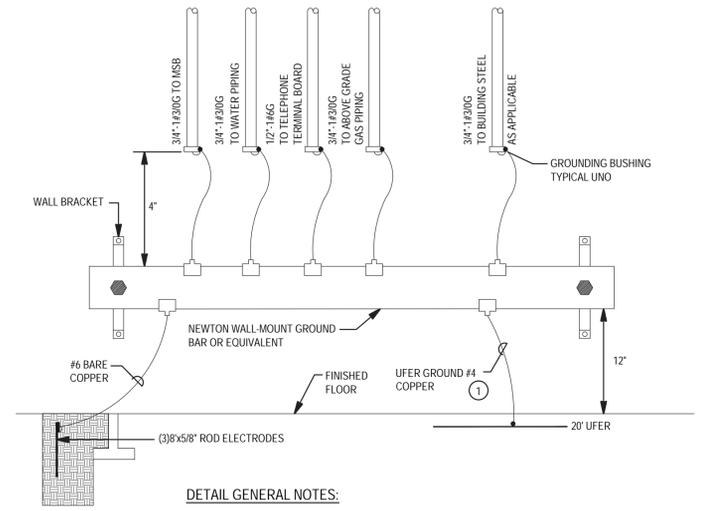


DETAIL NOTES:

- IF MULTIPLE CONDUITS SHARE TRENCH, PROVIDE SPACING BETWEEN CONDUITS. PROVIDE ZIP TIES, AND TIE ALL CONDUITS TOGETHER TO ENSURE STABILITY.
- BURIAL DEPTH TO BE VERIFIED WITH UTILITIES AND AUTHORITY HAVING JURISDICTION: ELECTRICAL FEEDERS, COMMUNICATIONS: 24" MINIMUM UNDERGROUND SECONDARY: 30" MINIMUM UNDERGROUND PRIMARY: 42" MINIMUM



2 LIGHTING CONTROL PANEL
 NTS



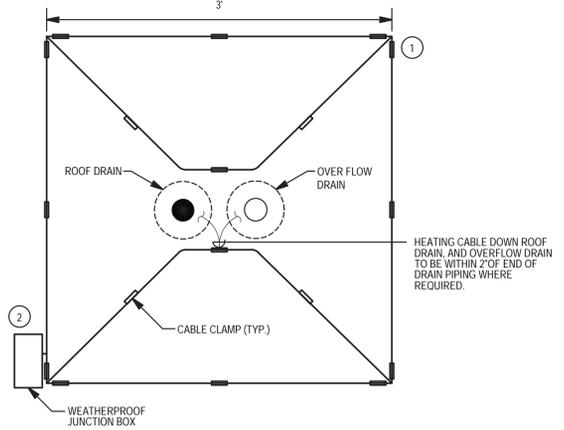
DETAIL GENERAL NOTES:

- ALL CONDUCTORS SHALL BE IN EMT CONDUIT UNLESS NOTED OTHERWISE. ALL CONDUIT SHALL HAVE A GROUNDING BUSHING AT EACH END.
- ALL CONNECTIONS SHALL BE EXOTHERMIC WELD, LISTED PRESSURE CONNECTORS, LISTED CLAMPS OR OTHER LISTED MEANS.

DETAIL NOTES:

- UFER GROUND TO BE 20' OF #4 AWG COPPER OR 1/2" MINIMUM DIAMETER STEEL REINFORCING BAR PER 250.52.

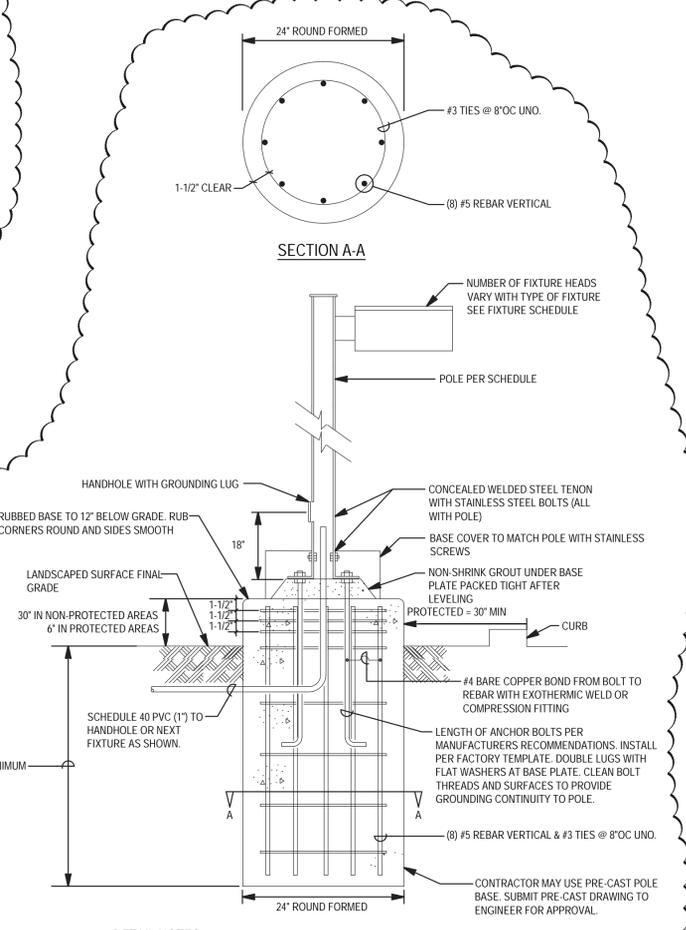
3 GROUNDING BAR DETAIL
 NTS



DETAIL NOTES:

- DESIGN BASES ON RAYCHEM ICESTOP HEATING CABLES. PROVIDE ALL SYSTEM COMPONENTS NECESSARY FOR A COMPLETE, OPERABLE SYSTEM INCLUDING, BUT NOT LIMITED TO CABLES, CLAMPS, END SEALS AND POWER CONNECTIONS. COORDINATE WITH CIRCUIT VOLTAGE. ENGINEER APPROVED EQUALS ALLOWED.
- SERVING CIRCUIT BREAKER(S) FOR HEAT TRACE LOADS SHALL BE 30mA GFCI.
- PROVIDE AND INSTALL ONE PENTAIR DIGITRACE #AMC-1A OR EQUAL THERMOSTAT CONTROL FOR EACH CIRCUIT.

7 HEAT TAPE CABLING DETAIL
 NTS



DETAIL NOTES:

- INCREASE THE SPECIFIED HEIGHT OF THE POLE BY 2'-0" TO ENSURE UNIFORM FIXTURE MAINTAIN HEIGHT WHERE THE 6" BASE IS USED.
- PROTECTED AREA IMPLIES THE POLE IS INSTALLED AT LEAST 30' FROM PARKING OR DRIVE AREAS.

ROCKET EXPRESS CAR WASH
BOISE, IDAHO
 12345 W. FAIRVIEW AVE. / N. CLOVERDALE RD.
 BOISE, IDAHO 83713

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