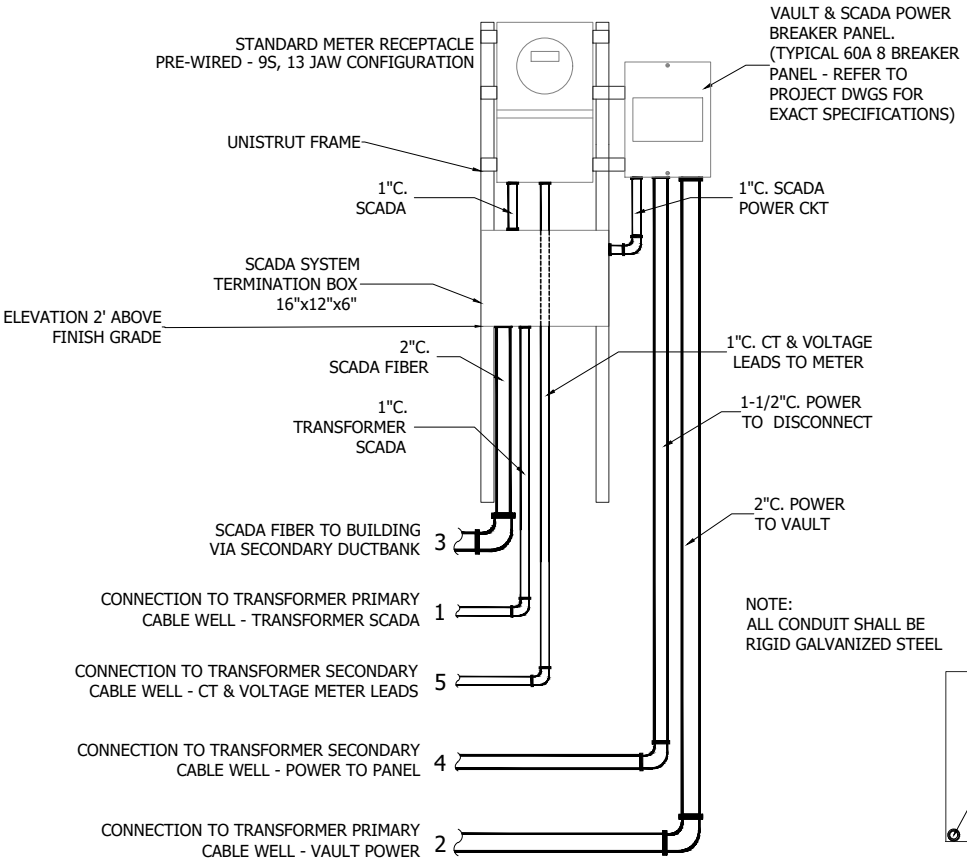
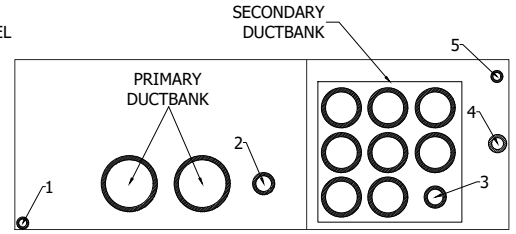
APPENDIX D

Electric Meter Installation Details

Last Updated 11/1/2020



NOTE:
ALL CONDUIT SHALL BE
RIGID GALVANIZED STEEL



TRANSFORMER CABLE WELL LAYOUT

FACILITIES
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ENERGY
SERVICES
220 Central Plant
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F. (405) 744-5159

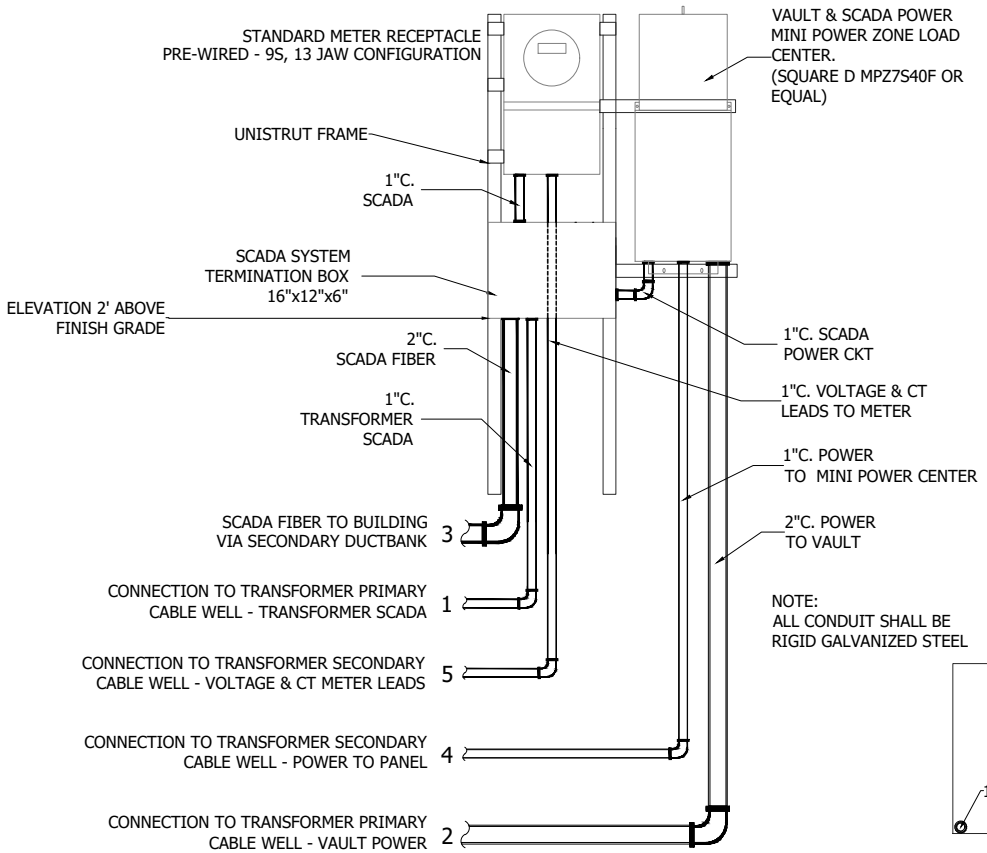
OKLAHOMA STATE UNIVERSITY ELECTRICAL DISTRIBUTION STANDARDS

DATE	ISSUE
10/12/2018	REV-1
07/11/2019	REV-2

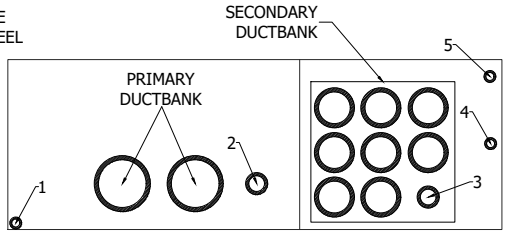
DRAWN BY: TDA
CHECKED BY: NA
APPROVED BY: NA
DATE: 09/17/2018
PROJECT #: NA
SCALE: 1/2" = 1'

METER PEDESTAL WITH
METER BASE (208V)
BREAKER PANEL AND
SCADA TERMINATION BOX

SHEET NUMBER
ESMTR-01



NOTE:
ALL CONDUIT SHALL BE
RIGID GALVANIZED STEEL



TRANSFORMER CABLE WELL LAYOUT

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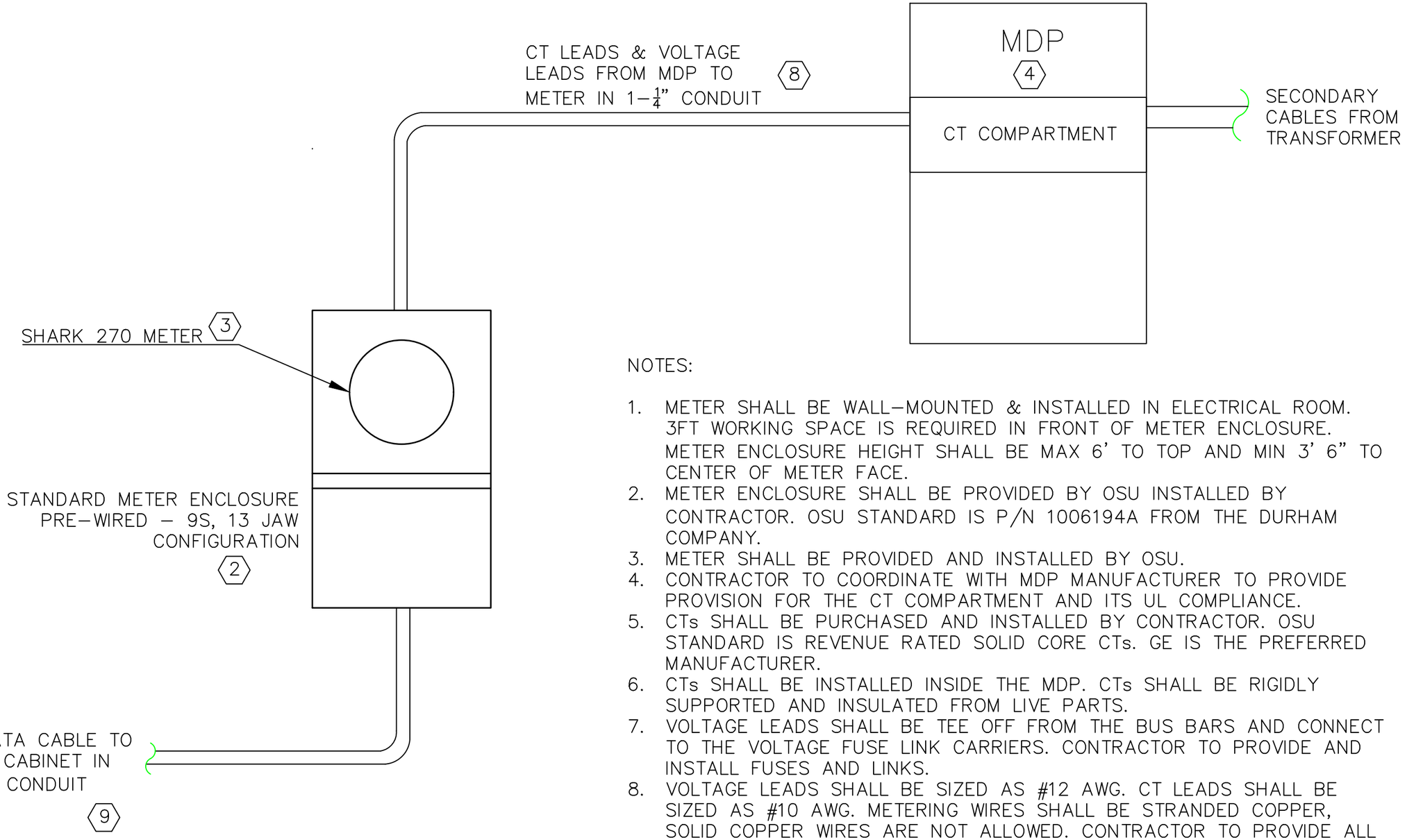
OKLAHOMA STATE UNIVERSITY ELECTRICAL DISTRIBUTION STANDARDS

DATE	ISSUE
07/11/2019	REV-1

DRAWN BY: TDA
CHECKED BY: NA
APPROVED BY: NA
DATE: 11/29/2018
PROJECT #: NA
SCALE: 1/2" = 1'

METER PEDESTAL WITH
METER BASE (480V)
POWER LOAD CENTER &
SCADA TERMINATION BOX

SHEET NUMBER
ESMTR-02



NOTES:

1. METER SHALL BE WALL–MOUNTED & INSTALLED IN ELECTRICAL ROOM. 3FT WORKING SPACE IS REQUIRED IN FRONT OF METER ENCLOSURE. METER ENCLOSURE HEIGHT SHALL BE MAX 6' TO TOP AND MIN 3' 6" TO CENTER OF METER FACE.
2. METER ENCLOSURE SHALL BE PROVIDED BY OSU INSTALLED BY CONTRACTOR. OSU STANDARD IS P/N 1006194A FROM THE DURHAM COMPANY.
3. METER SHALL BE PROVIDED AND INSTALLED BY OSU.
4. CONTRACTOR TO COORDINATE WITH MDP MANUFACTURER TO PROVIDE PROVISION FOR THE CT COMPARTMENT AND ITS UL COMPLIANCE.
5. CTs SHALL BE PURCHASED AND INSTALLED BY CONTRACTOR. OSU STANDARD IS REVENUE RATED SOLID CORE CTs. GE IS THE PREFERRED MANUFACTURER.
6. CTs SHALL BE INSTALLED INSIDE THE MDP. CTs SHALL BE RIGIDLY SUPPORTED AND INSULATED FROM LIVE PARTS.
7. VOLTAGE LEADS SHALL BE TEE OFF FROM THE BUS BARS AND CONNECT TO THE VOLTAGE FUSE LINK CARRIERS. CONTRACTOR TO PROVIDE AND INSTALL FUSES AND LINKS.
8. VOLTAGE LEADS SHALL BE SIZED AS #12 AWG. CT LEADS SHALL BE SIZED AS #10 AWG. METERING WIRES SHALL BE STRANDED COPPER, SOLID COPPER WIRES ARE NOT ALLOWED. CONTRACTOR TO PROVIDE ALL THE TERMINATIONS AT THE MDP AND RUN WIRES TO THE METER. OSU ELECTRICAL DISTRIBUTION PROVIDES WIRE TERMINATIONS IN THE METER ENCLOSURE AND METER PROGRAMING.
9. A CAT 6 CABLE SHALL BE RUN FROM METER TO THE BUILDING IT CABINET. CONTRACTOR TO PROVIDE THE CONDUIT AND COMMUNICATION WIRING BY OTHERS.

Facilities Managment
Energy Services
220 Central Plant
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OKLAHOMA STATE UNIVERSITY

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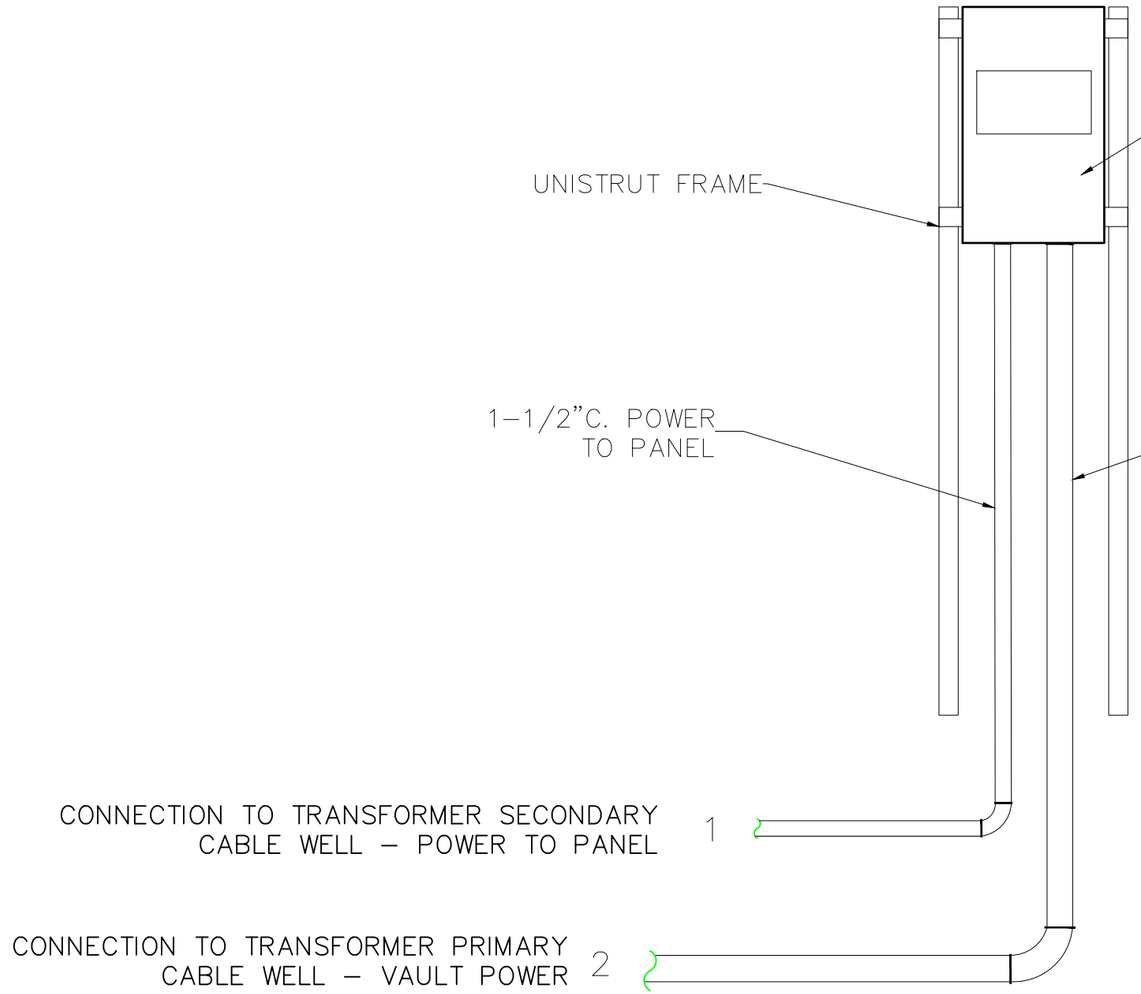
APPROVED BY:	
DATE:	01-08-2020
PROJECT #:	
SCALE:	NTS

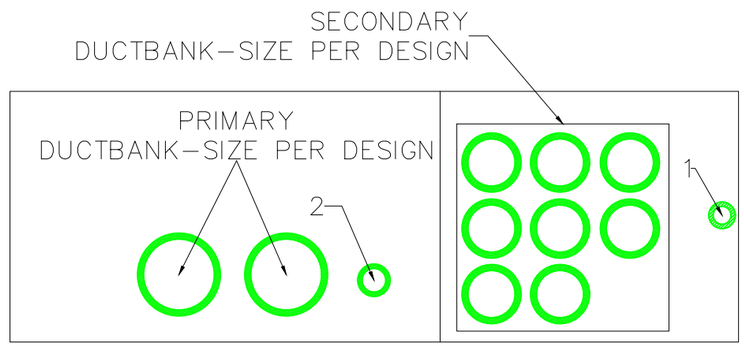
INDOOR ELECTRIC METER DETAIL FOR SERVICES EXCEEDING 400A

SHEET NUMBER
03



NOTE:

1. ALL CONDUITS SHALL BE RIGID GALVANIZED STEEL.
2. PANEL SHALL BE INSTALLED NEXT TO THE TRANSFORMER.
3. CONSULT WITH OSUES FOR NEED OF THE PANEL.



TRANSFORMER CABLE WELL
LAYOUT

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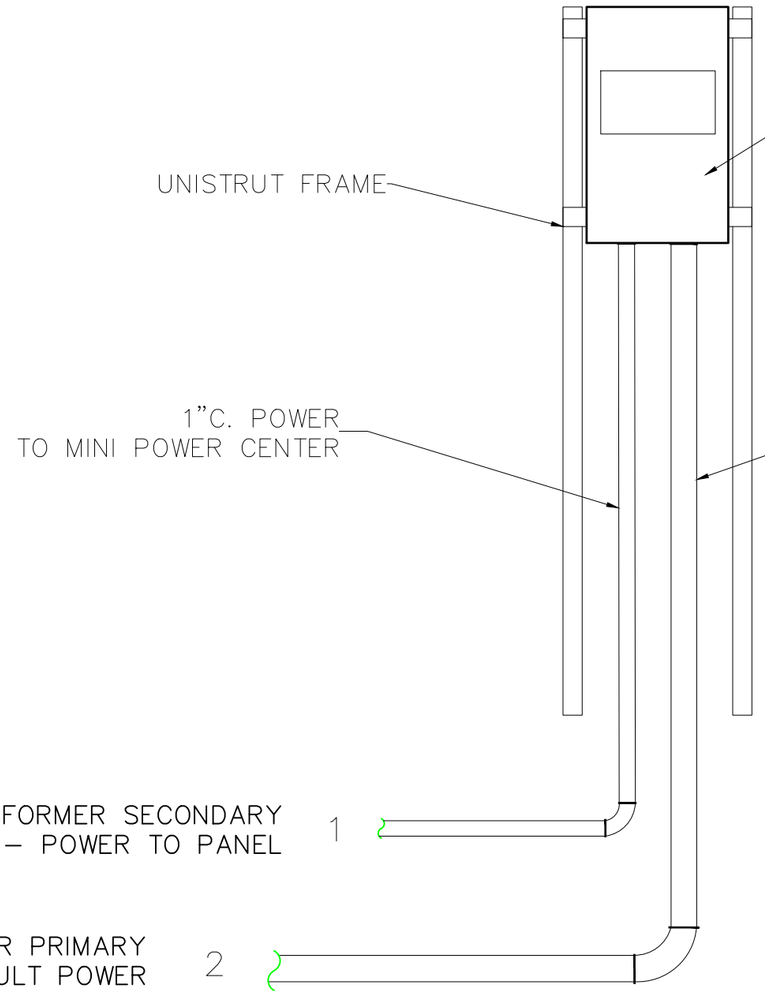
OKLAHOMA STATE UNIVERSITY

DRAWN BY:	AG
CHECKED BY:	
APPROVED BY:	
DATE:	08/01/2020
PROJECT #:	
SCALE:	NTS

OUTDOOR
BREAKER PANEL
(FOR 208V)

SHEET NUMBER
04



NOTE:
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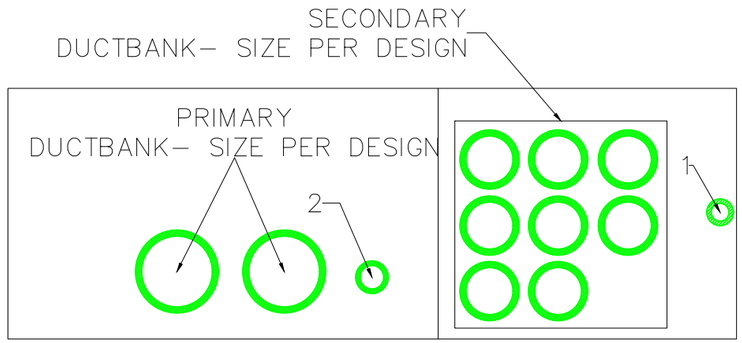
3. CONSULT WITH OSUES FOR NEED OF THE PANEL.



TRANSFORMER CABLE WELL LAYOUT

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OKLAHOMA STATE UNIVERSITY

DRAWN BY:	AG
CHECKED BY:	
APPROVED BY:	
DATE:	08/01/2020
PROJECT #:	
SCALE:	NTS

OUTDOOR POWER LOAD CENTER (FOR 480V)

SHEET NUMBER
05