OKLAHOMA
Office of Management
& Enterprise Services

Amendment of Solicitation

Date of Issuance: 01/23/2026 **Solicitation No.** 26-FM-0010

Requisition No. 3450036074 **Amendment No.** 3

Hour and date specified for receipt of offers is changed: ☐ No ☒ Yes, to: 02/03/2026 2:00 PM CST

Pursuant to OAC 260:115-7-30(d), this document shall serve as official notice of amendment to the solicitation identified above. Such notice is being provided to all suppliers to which the original solicitation was sent.

Suppliers submitting bids or quotations shall acknowledge receipt of this solicitation amendment prior to the hour and date specified in the solicitation as follows:

Sign and return a copy of this amendment with the solicitation response being submitted; or,

If the supplier has already submitted a response, this acknowledgement must be signed and returned prior to the solicitation deadline. All amendment acknowledgements submitted separately shall have the solicitation number and bid opening date in the subject line of the email.

ISSUED FROM:

Melisas Groom	405-227-5473	mlgroom@odot.org
Contracting Officer	Phone Number	E-Mail Address

RETURN TO: odotbids@odot.ok.gov

Description of Amendment:

a. This is to incorporate the following:

Amendment 3 covers:

Addendum 2-with attachments
Questions and Answers
Updated Answers to Questions 5, 38, and 54.

Interested Contractors should complete Section b and include this form with their responses.

b. All other terms and conditions remain unchanged.

Supplier Company Name (**PRINT**)		Date
Authorized Representative Name (**PRINT**)	Title	Authorized Representative Signature

STUDIO
ARCHITECTURE

ADDENDUM NO. 2

Project: Oklahoma Department of Transportation – Multipurpose Facility
Location: Stillwater, Oklahoma
Issued Date: 23 January 2026

This Addendum is hereby made a part of the Contract Documents dated September 12th, 2025 on the subject work as though originally included therein. The following amendments, additions, and/or corrections shall govern this work.

This Addendum is in three parts as follows:
Part 1 – Pertaining to the Project Manual
Part 2 – Pertaining to the Drawings
Part 3 – Pertaining to Questions Received and Answers Given
(Verbal responses are not part of this Addendum or the Contract Documents. If responses given in this Addendum do not match your understanding of responses given verbally, notify Studio Architecture promptly.)

PART 1 – PROJECT MANUAL

1.1 Delete the following Sections:
A. None

1.2 Add the following Sections:
A. None

1.3 Modify the following Sections:
A. 10 1400 – Signage
a. Added Dimensional Letters for exterior signage.

PART 2 – DRAWINGS

2.1 Delete the following Sheets:
A. None.

2.2 Add the following Sheets:
A. None.

2.3 Modify the following Sheets:
A. None

PART 3 – QUESTIONS & ANSWERS

3.1 None.

816 N. Walker Ave.
Suite 100
Oklahoma City, OK
73102
405.605.1044
www.studioarc.com

1 | CW/ HW & GAS PLUMBING PLAN

1/8" = 1'-0"

NORTH

EMERGENCY GENERATOR NOTES:

A. CONTRACTOR TO COORDINATE WITH CIVIL TO INSTALL GAS LINE TO EMERGENCY GENERATOR. INSTALL GAS LINE THRU GAS S.O. VALVE, STRAINER, GAS REGULATOR AND UNION.

GENERAL NOTES:

A. REFER SHEET P1.0 - PLUMBING LEGEND & NOTES.
B. INSTALL S.O. VALVE IN OWNER ACCESSIBLE LOCATION. COORDIANTE WITH G.C. ON INSTALLATION OF ACCESS PANEL AS REQ'D.

SPECIFIC NOTES: (X)

1. 4" CW UP THRU FLOOR, REDUCE DOWN TO 2" CW AND PROVIDE S.O. VALVE @ 24" A.F.F., INSTALL BACKFLOW PREVENTER (REDUCED-PRESSURE PRINCIPLE ASSEMBLY).
2. STUB-OUT AND CAP 1/2"CW/HW THRU S.O. VALVE UNDER COUNTER FOR FUTURE.
3. INSTALL SMOKE SAFE PVC COVERING FOR PLUMBING LINES WITH INSULATION RUNNING AT OPEN CEILING AREA. FINAL COLOR SELECTION BY ARCHITECT.
4. COMPRESSED AIR RUN-OUT WITH SUSPENDED ABOVE RETRACTABLE 1/2" X 50' HOSE REEL - DEWALT OR EQUAL. INSTALL S.O. VALVE, PRESSURE REGULATOR AND HOSE REEL WITH QUICK CONNECTION. SECURE HOSE REEL AT BOTTOM OF JOISTS WITH STRUTS. COORDINATE FINAL LOCATION WITH OWNER - TYP.
5. FIRE RISER, TRIM, FIRE AND JOCKEY PUMP LOCATIONS, ETC. CONTRACTOR TO COORDINATE PANEL LOCATION, ETC. WITH OTHER TRADES PRIOR TO INSTALLATION. PROVIDE APPROX. 3 FT. WORKING CLEARANCE. FINAL PIPING LOCATIONS SHALL BE COORDINATED WITH FIRE PROTECTION SHOP DRAWINGS.
6. EXTEND 3/4" UNDERGROUND TO ISLAND SINK LOCATION, INSTALL PEX OR SEEMLESS COPPER PIPE UNDERGROUND. STUB-UP THRU FLOOR WITH S.O. VALVE.
7. AIR COMPRESSOR, REFER DETAIL AND SCHEDULES FOR ACCESSORIES. INSTALL UNIT PER MFR'S INSTALLATION MANUAL.
8. EXTEND AND CONNECT 1-1/2" GAS LINE THRU GAS S.O. VALVE, DIRT LEG & UNION TO WATER HEATER.
9. INSTALL HOSE BIBB.
10. BACKFLOW PREVENTER (REDUCED-PRESSURE PRINCIPLE ASSEMBLY) & REMOTE SENSOR AT FIRE RISER.

CEC

OKLAHOMA Transportation

LICENSED PROFESSIONAL ENGINEER Ezra Zoschke 24607 1/23/2026 OKLAHOMA

REVISION HISTORY

NO.	DESCRIPTION	DATE
2	ADDENDUM 2	01/23/2026

SUBMITTAL:	CONSTRUCTION DOCUMENTS
DATE:	09/12/2025
PROJECT NO:	221001
DESIGNED BY:	SY
DRAWN BY:	SY
REVIEWED BY:	EZ
SCALE:	AS INDICATED

ODOT OSU MULTIPURPOSE FACILITY

STILLWATER, OK

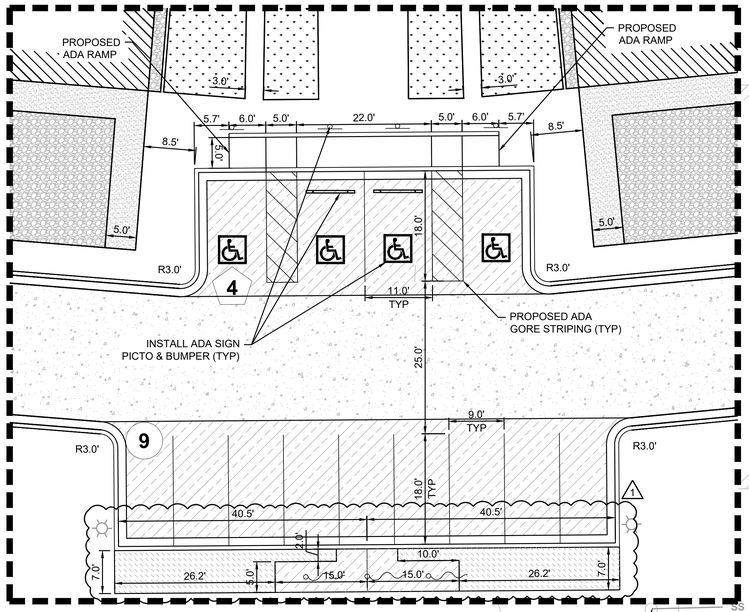
SHEET

CW/ HW & GAS PLUMBING PLAN

SHEET

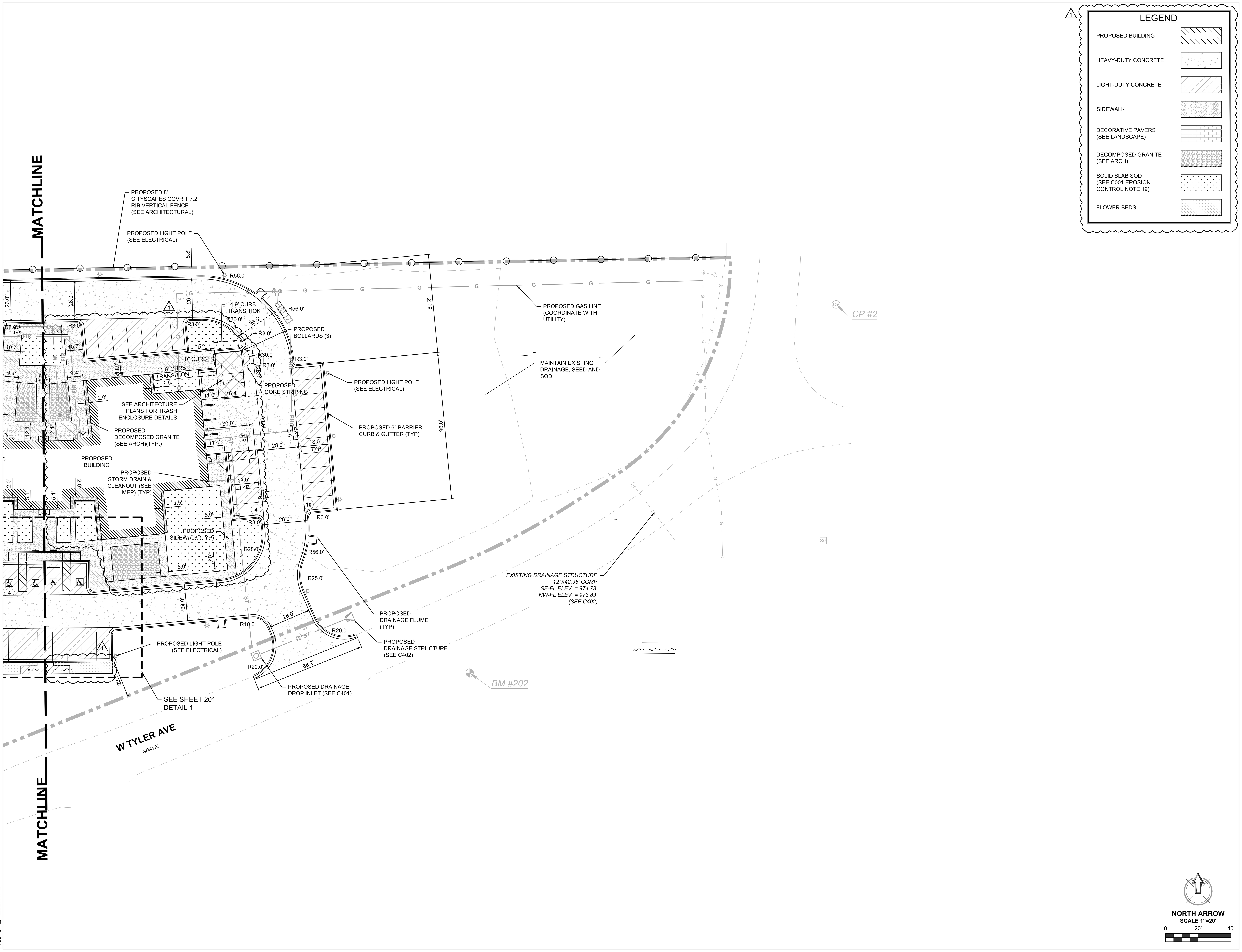
P3.0

PLOT DATE: 1/22/2026 4:17:54 PM



1 **DETAIL VIEW**
1" = 10'-0"

PROPOSED SANITARY SEWER (SEE SHEET C401) (TYP)
PROPOSED WATER TAP (SEE SHEET C401) (TYP)
TAP EXISTING SANITARY SEWER MANHOLE (SEE SHEET C401) (TYP)
EXISTING FIRE HYDRANT
EXISTING FIRE HYDRANT
PROPOSED PUG (SEE SHEET C401)
PROPOSED LIGHT POLE (SEE ELECTRICAL)
PROPOSED DRAINAGE STRUCTURE (SEE C401)
PROPOSED DRAINAGE DROP INLET (SEE C401)
PROPOSED LIGHT POLE (SEE ELECTRICAL)
PROPOSED DRAINAGE FLUME (TYP)
PROPOSED 8' CITYSCAPES COVRIT 7.2 RIB VERTICAL FENCE (SEE ARCHITECTURAL)
PROPOSED LIGHT POLE (SEE ELECTRICAL)
PROPOSED TRANSFORMER (SEE ELECTRICAL FOR CONTINUATION) (TYP)
PROPOSED FDC (SEE SHEET C402)
PROPOSED FIRE HYDRANT (SEE SHEET C401)
PROPOSED STATE VEHICLE PARKING SPACES
PROPOSED 6" BARRIER CURB & GUTTER (TYP)
PROPOSED SIDEWALK (TYP)
PROPOSED DECOMPOSED GRANITE (SEE ARCH)(TYP.)
PROPOSED BUILDING
PROPOSED STORM DRAIN & CLEANOUT (SEE MEP) (TYP)
PROPOSED SIDEWALK (TYP)
PROPOSED LIGHT POLE (SEE ELECTRICAL)
PROPOSED FOC (SEE ELECTRICAL) (COORDINATE WITH OSU I.T.) (TYP)
SEE DETAIL 1 THIS SHEET FOR DETAILS
W TYLER AVE
CONCRETE
16TH ST
BM #201
OSU CP #331
MATCHLINE
MATCHLINE
R54.0'
R10.0'
R10.0'
R28.0'
R30.0'
R30.0'
R28.0'
R252.0'
79.6'
90.0'
21.7'
26.0'
24.0'
24.0'
24.0'
18.0' TYP
18.0' TYP
10.0'
40.6'
5.8'
26.0'
26.0'
26.0'
10.7'
10.7'
9.4'
9.4'
11.0'
5.5'
1.5'
2.0'
12.1'
12.1'
5.1'
5.1'
2.0'
4.0'
5.0'
1.5'
7.0'
5.0'
5.0'
73.0'
FOC
FOC
FOC
FIR
FIR
FIR
ST
ST
ST
SS
SS
SS
W
W
W
PUG
PUG
PUG


LEGEND
PROPOSED BUILDING
HEAVY-DUTY CONCRETE
LIGHT-DUTY CONCRETE
SIDEWALK
DECORATIVE PAVERS (SEE LANDSCAPE)
DECOMPOSED GRANITE (SEE ARCH)
SOLID SLAB SOD (SEE C001 EROSION CONTROL NOTE 19)
FLOWER BEDS
MATCHLINE
PROPOSED 8' CITYSCAPES COVRIT 7.2 RIB VERTICAL FENCE (SEE ARCHITECTURAL)
PROPOSED LIGHT POLE (SEE ELECTRICAL)
14.9' CURB TRANSITION
PROPOSED BOLLARDS (3)
PROPOSED GAS LINE (COORDINATE WITH UTILITY)
MAINTAIN EXISTING DRAINAGE, SEED AND SOD.
CP #2
0" CURB
11.0' CURB TRANSITION
PROPOSED GORE STRIPING
PROPOSED LIGHT POLE (SEE ELECTRICAL)
SEE ARCHITECTURE PLANS FOR TRASH ENCLOSURE DETAILS
PROPOSED 6" BARRIER CURB & GUTTER (TYP)
PROPOSED DECOMPOSED GRANITE (SEE ARCH)(TYP.)
PROPOSED BUILDING
PROPOSED STORM DRAIN & CLEANOUT (SEE MEP) (TYP)
PROPOSED SIDEWALK (TYP)
EXISTING DRAINAGE STRUCTURE 12"X42.96' CGMP SE-FL ELEV. = 974.73' NW-FL ELEV. = 973.83' (SEE C402)
PROPOSED DRAINAGE FLUME (TYP)
PROPOSED DRAINAGE STRUCTURE (SEE C402)
PROPOSED LIGHT POLE (SEE ELECTRICAL)
BM #202
PROPOSED DRAINAGE DROP INLET (SEE C401)
SEE SHEET 201 DETAIL 1
W TYLER AVE
GRAVEL
MATCHLINE
NORTH ARROW
SCALE 1"=20'
0 20' 40'

PLOT DATE: 1/22/2026 5:50 PM

CEC
CEC CORPORATION

OKLAHOMA Transportation

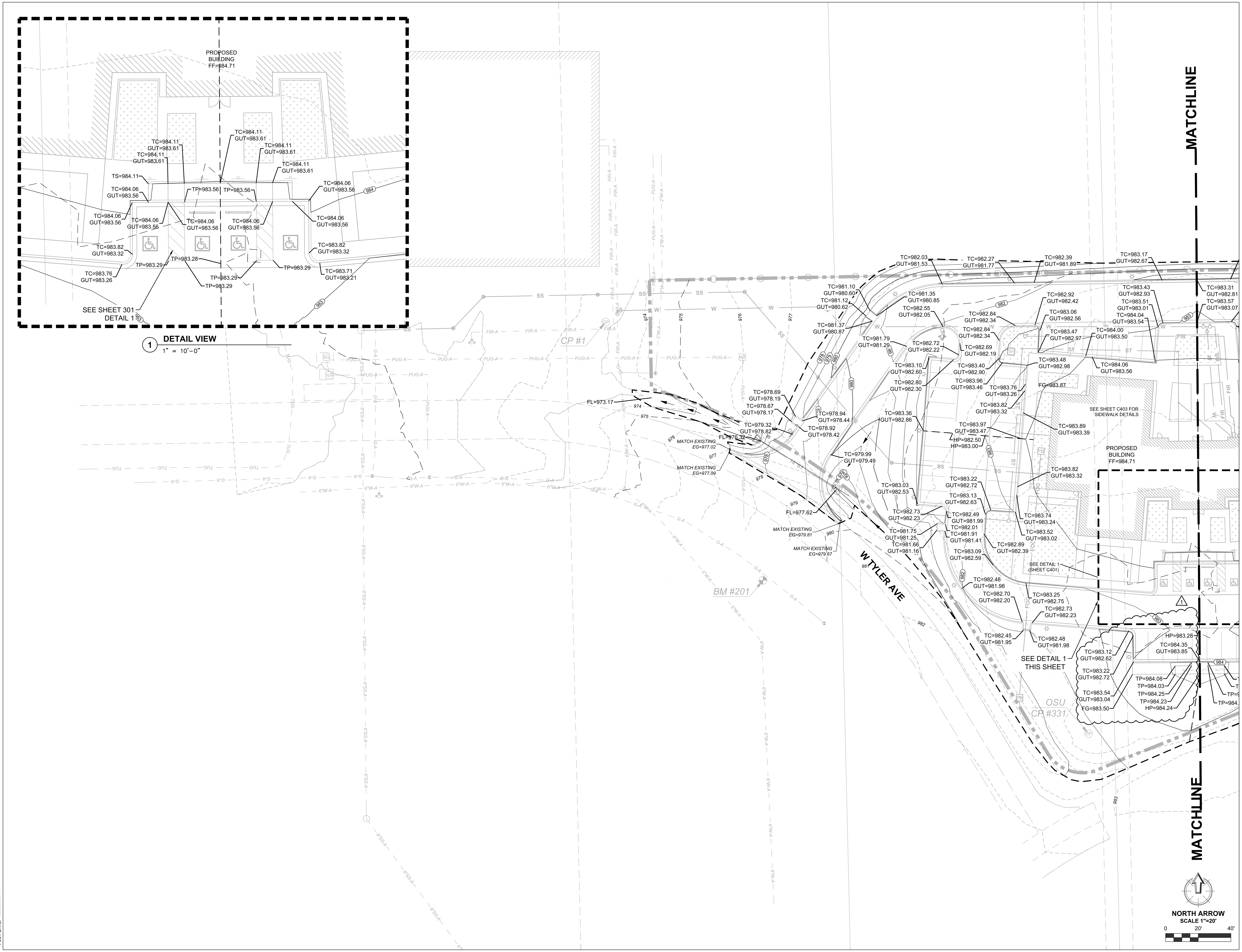
KIMBERLY S. JACKSON 01/23/2026 29812 OKLAHOMA

NO.	DESCRIPTION	DATE
1	ADDENDUM 2	01/23/2026

SUBMITTAL:	1000% CONSTRUCTION DOCUMENTS
DATE:	04/15/2025
PROJECT NO:	221001
DESIGNED BY:	SJC
DRAWN BY:	SJC
REVIEWED BY:	KSJ
SCALE:	AS INDICATED

ODOT OSU MULTIPURPOSE FACILITY
STILLWATER, OK

SHEET
SITE PLAN EAST
SHEET
C202



CEC
CEC CORPORATION

OKLAHOMA Transportation

PROFESSIONAL ENGINEER
JACKSON
01/23/2026
29812
OKLAHOMA

REVISION HISTORY

NO.	DESCRIPTION	DATE
1	ADDENDUM 2	01/23/2026

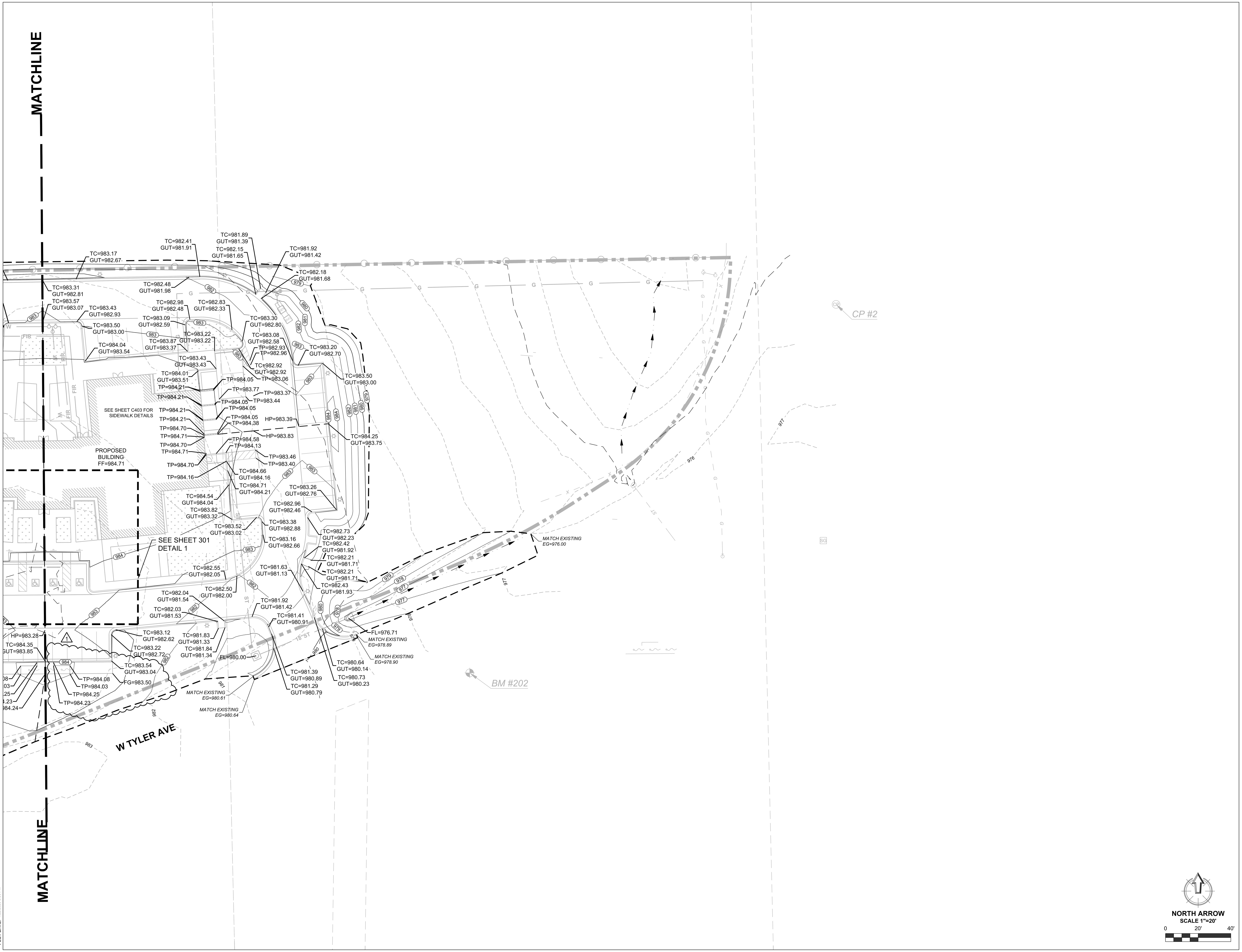
SUBMITTAL:	100% CONSTRUCTION DOCUMENTS
DATE:	04/15/2025
PROJECT NO:	221001
DESIGNED BY:	SJC
DRAWN BY:	SJC
REVIEWED BY:	KSJ
SCALE:	AS INDICATED

ODOT OSU MULTIPURPOSE FACILITY
STILLWATER, OK

SHEET
GRADING PLAN WEST

SHEET
C301

PLOT DATE: 1/22/2026 5:50 PM



CEC

OKLAHOMA Transportation

JACKSON
01/23/2026
29812
OKLAHOMA

SUBMITTAL:	1000% CONSTRUCTION DOCUMENTS
DATE:	04/15/2025
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REVIEWED BY:	KSJ
SCALE:	AS INDICATED

REVISION HISTORY

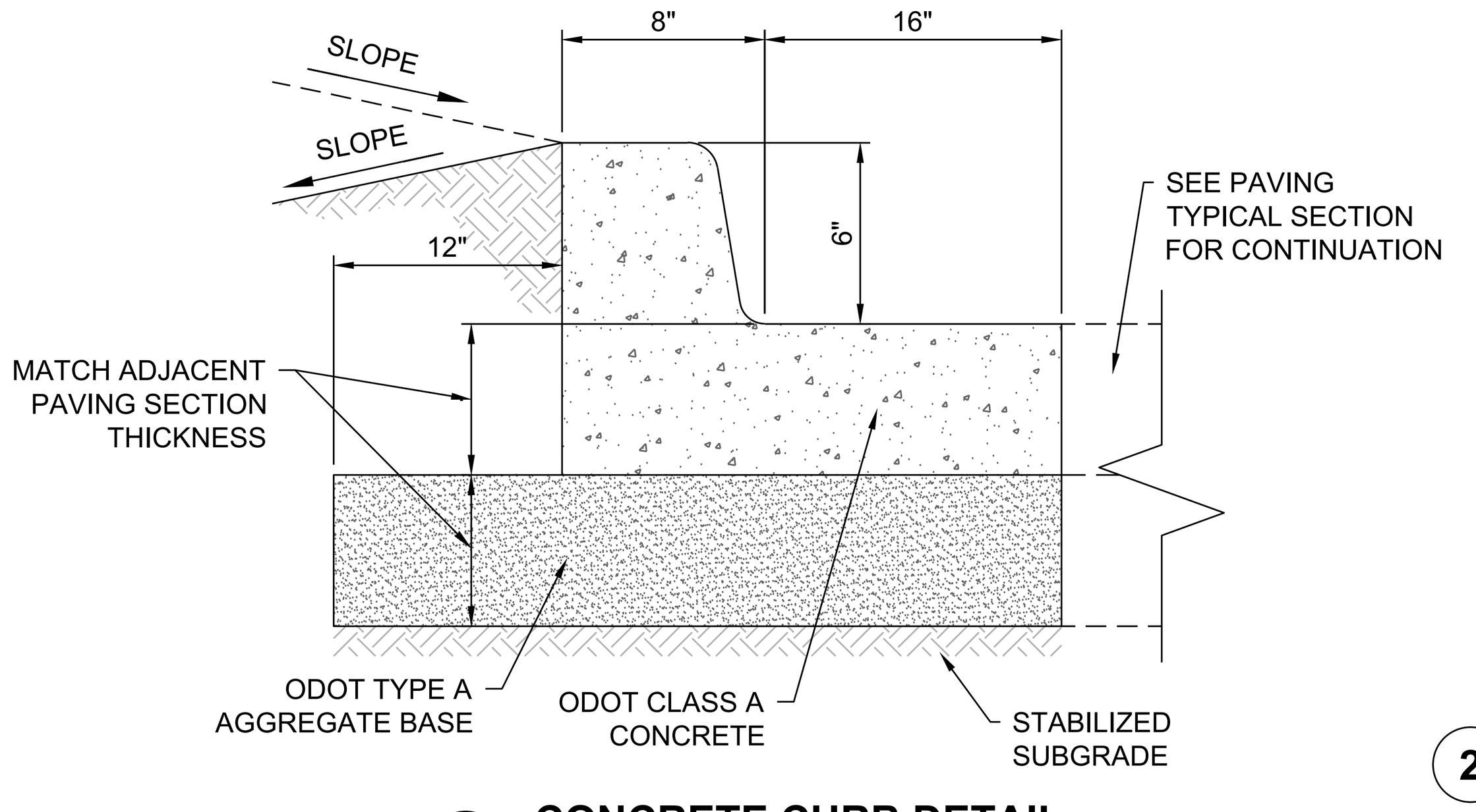
NO.	DESCRIPTION	DATE
1	ADDENDUM 2	01/23/2026

ODOT OSU MULTIPURPOSE FACILITY

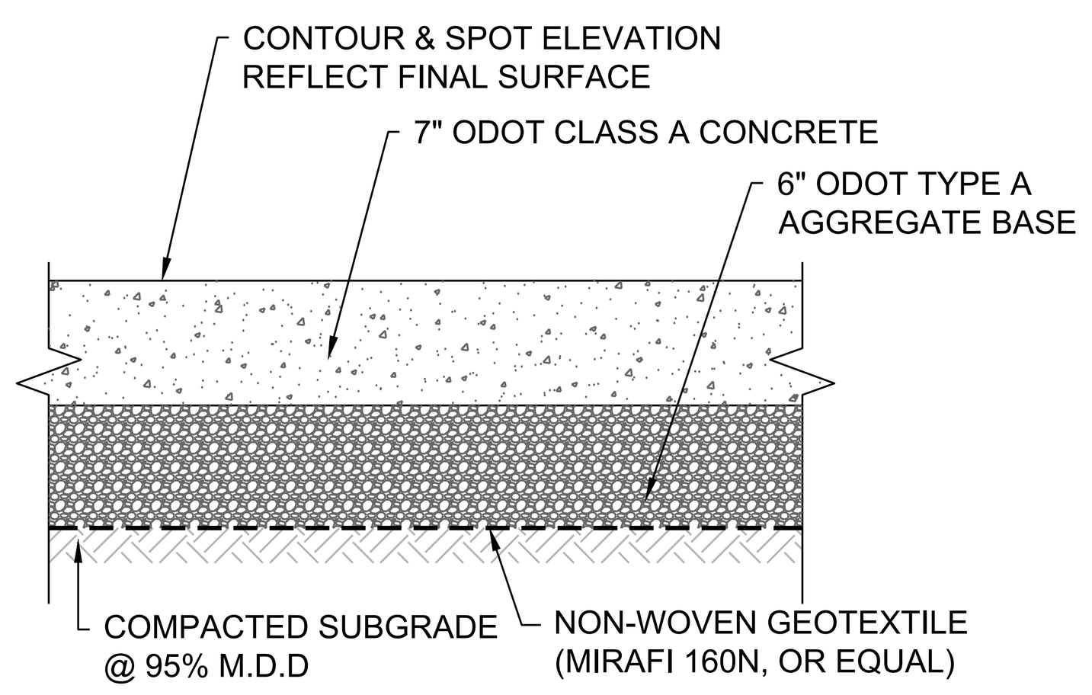
STILLWATER, OK

SHEET
GRADING PLAN EAST

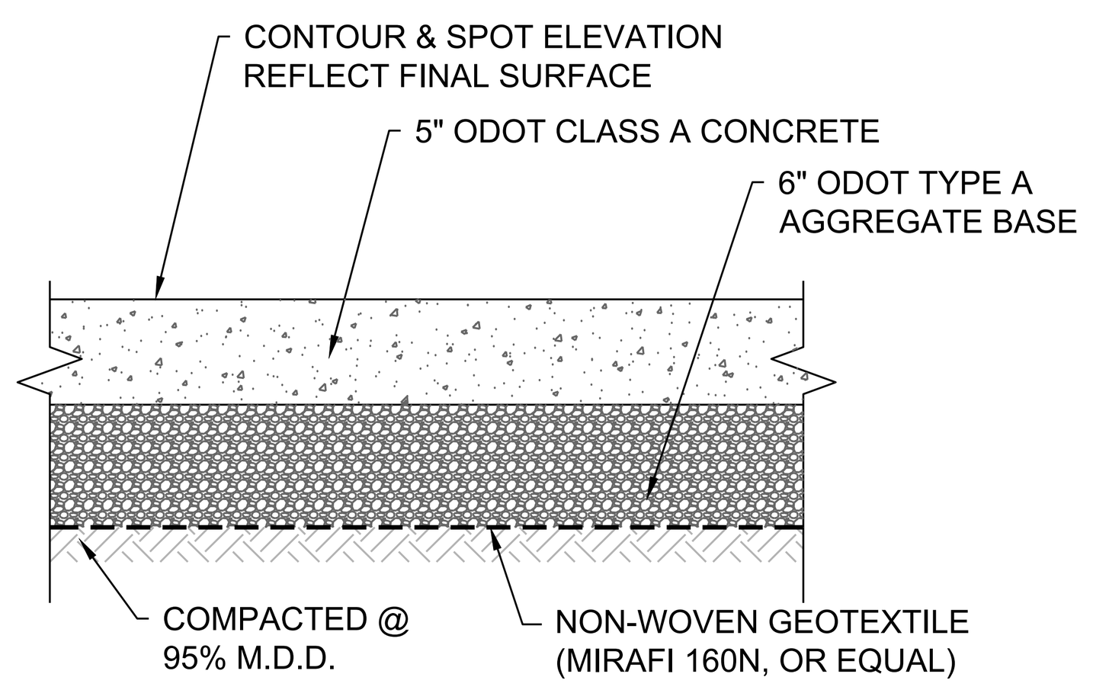
SHEET
C302



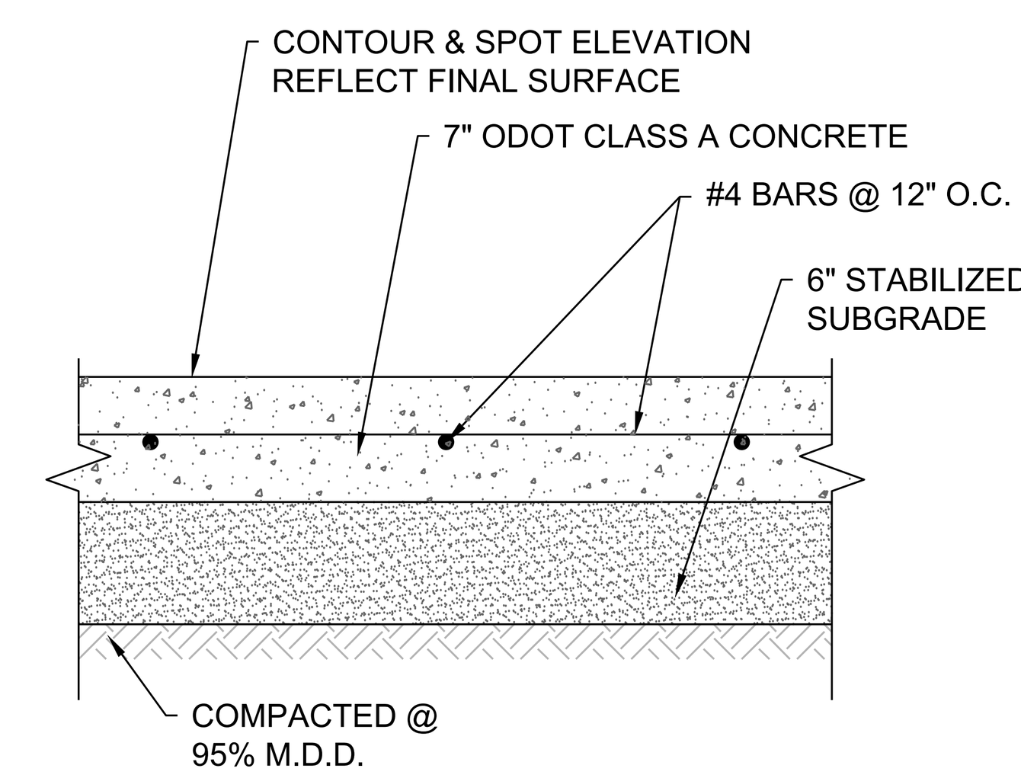
1 **CONCRETE CURB DETAIL**
NTS



2 **HEAVE DUTY CONCRETE PAVEMENT**
NTS - REFERENCE GEOTECH REPORT



3 **LIGHT-DUTY CONCRETE PAVEMENT**
NTS - REFERENCE GEOTECH REPORT



4 **REINFORCED CONCRETE PAVEMENT**
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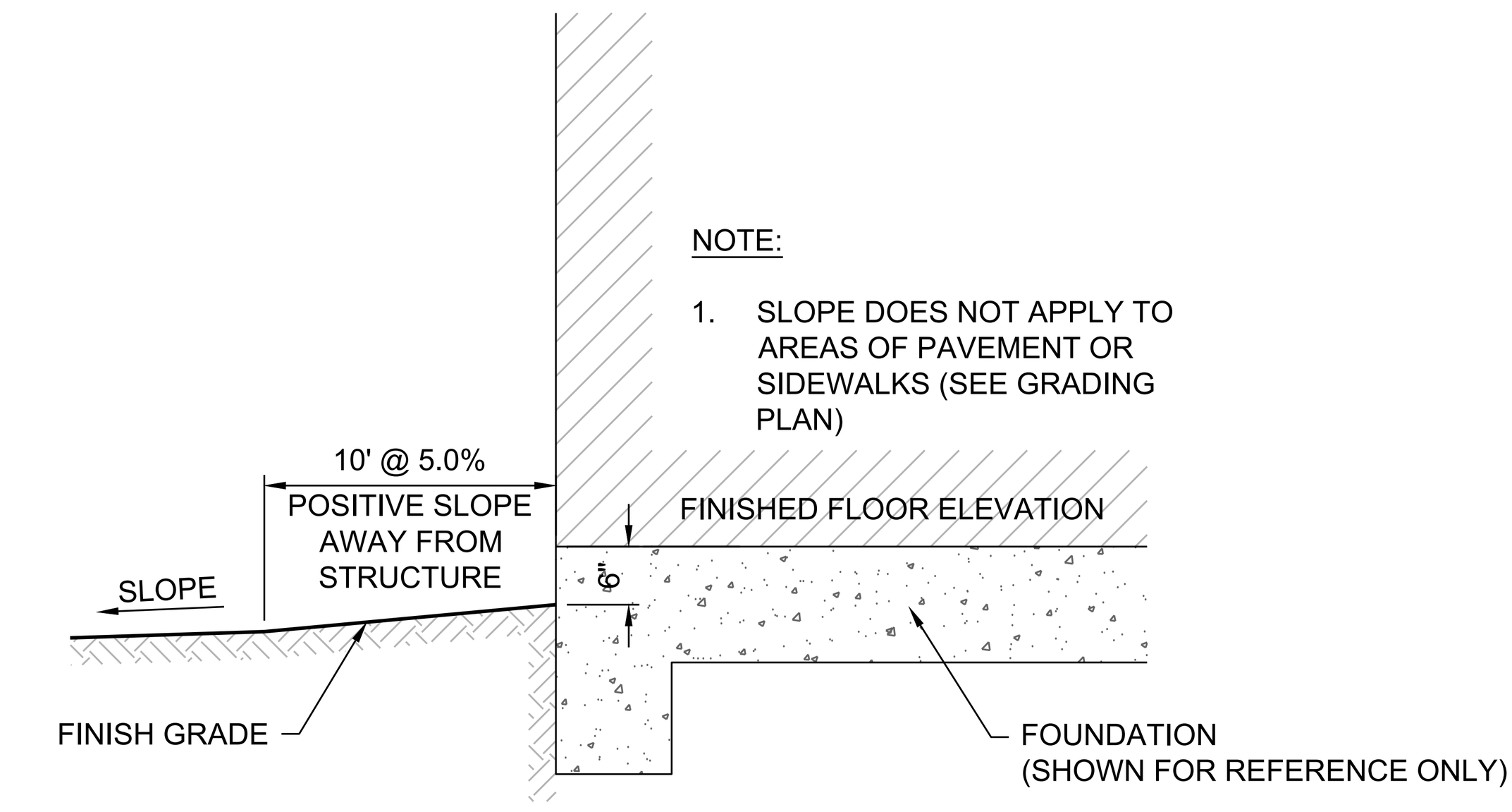
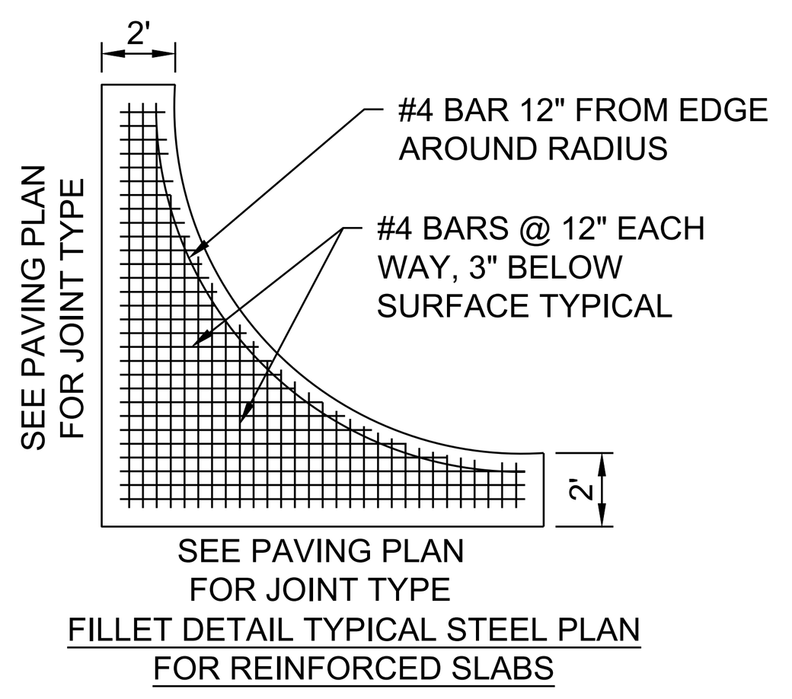
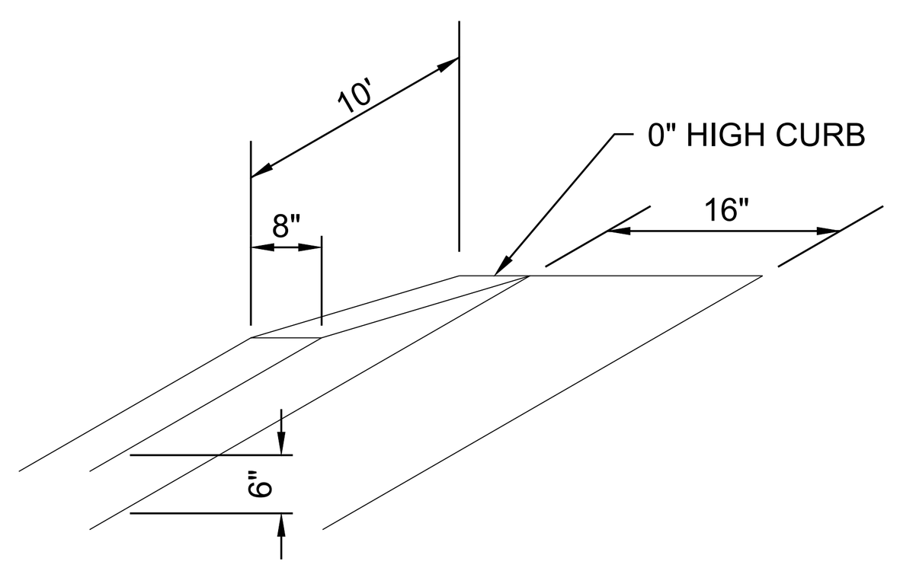


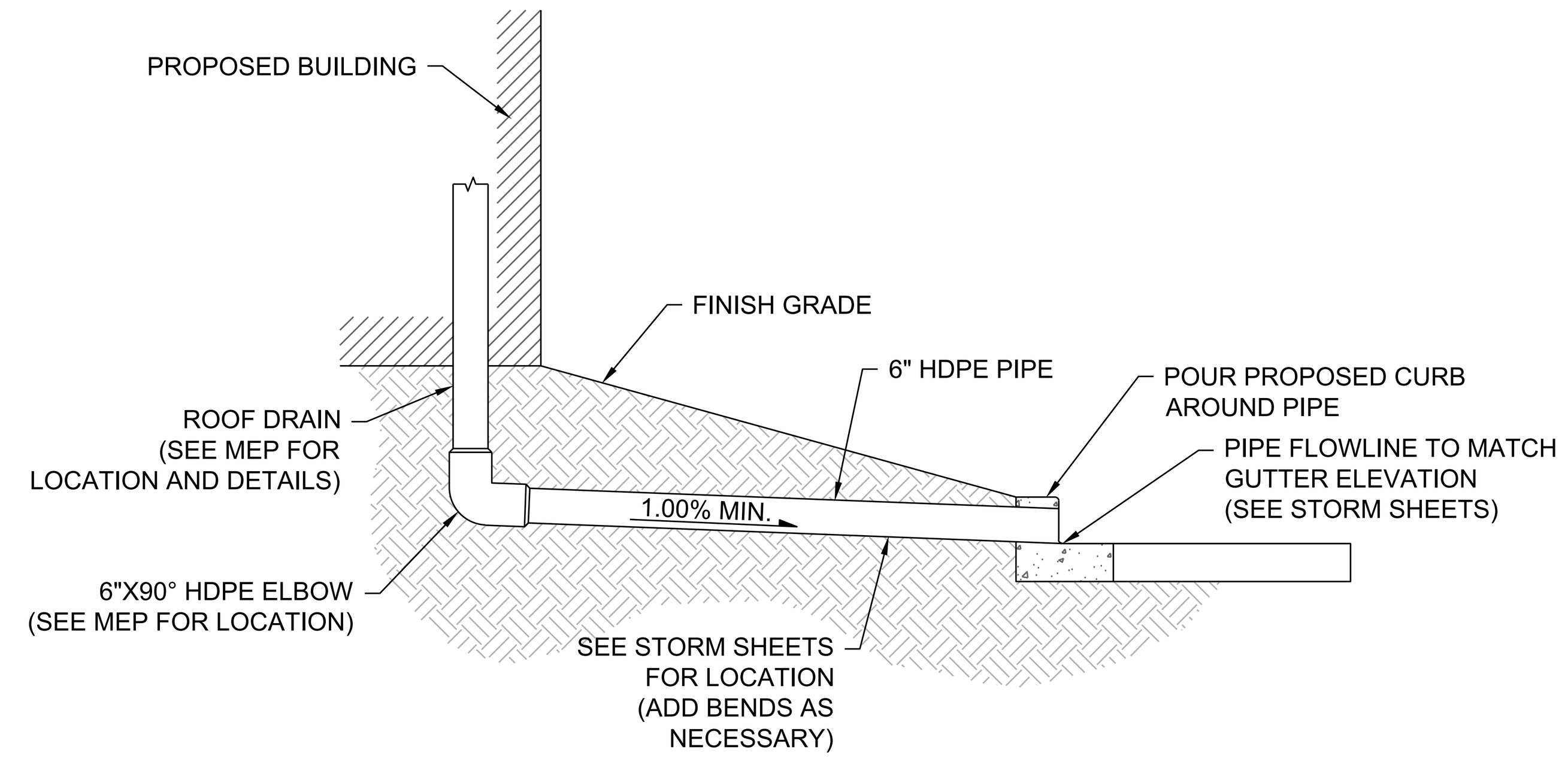
5 **TYPICAL BUILDING SECTION AT FINISH FLOOR**
NTS



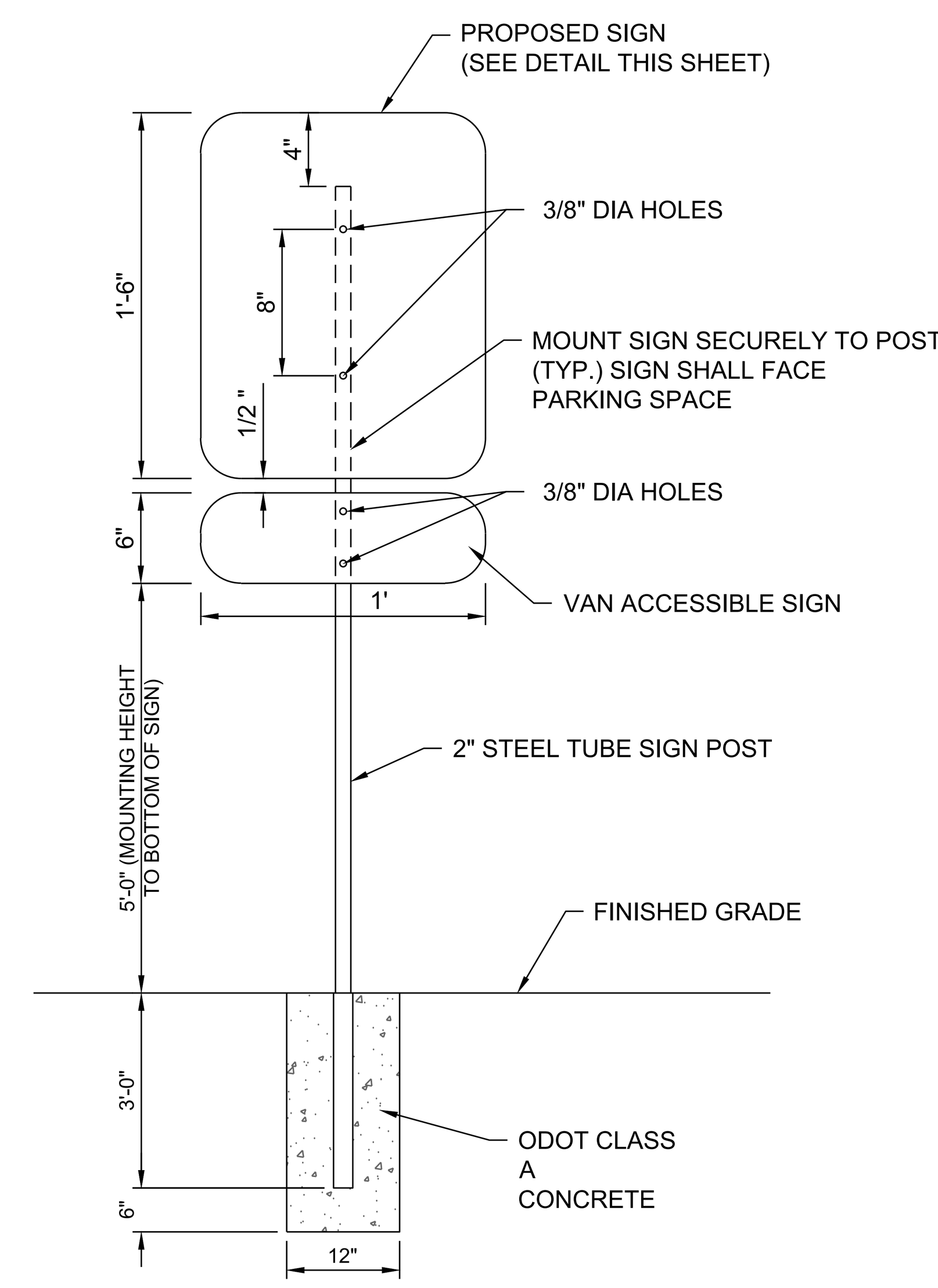
6 **FILLET DETAIL**
NTS



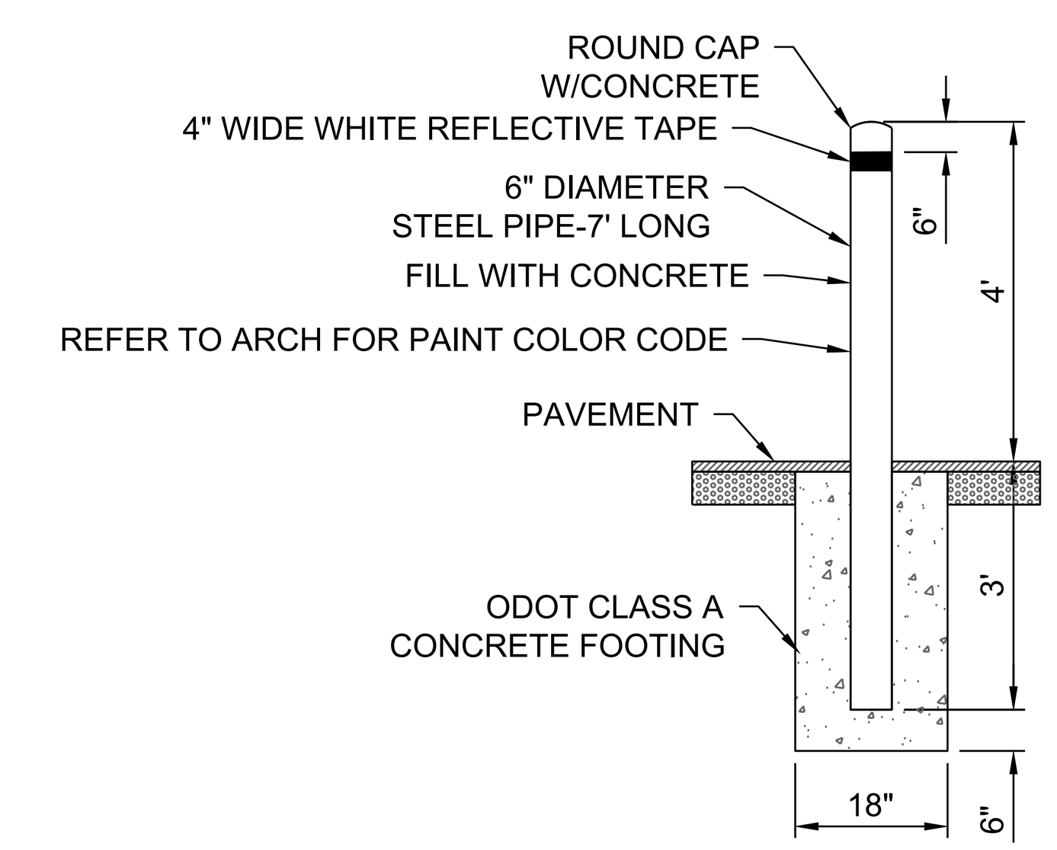
7 **CURB TRANSITION**
NTS



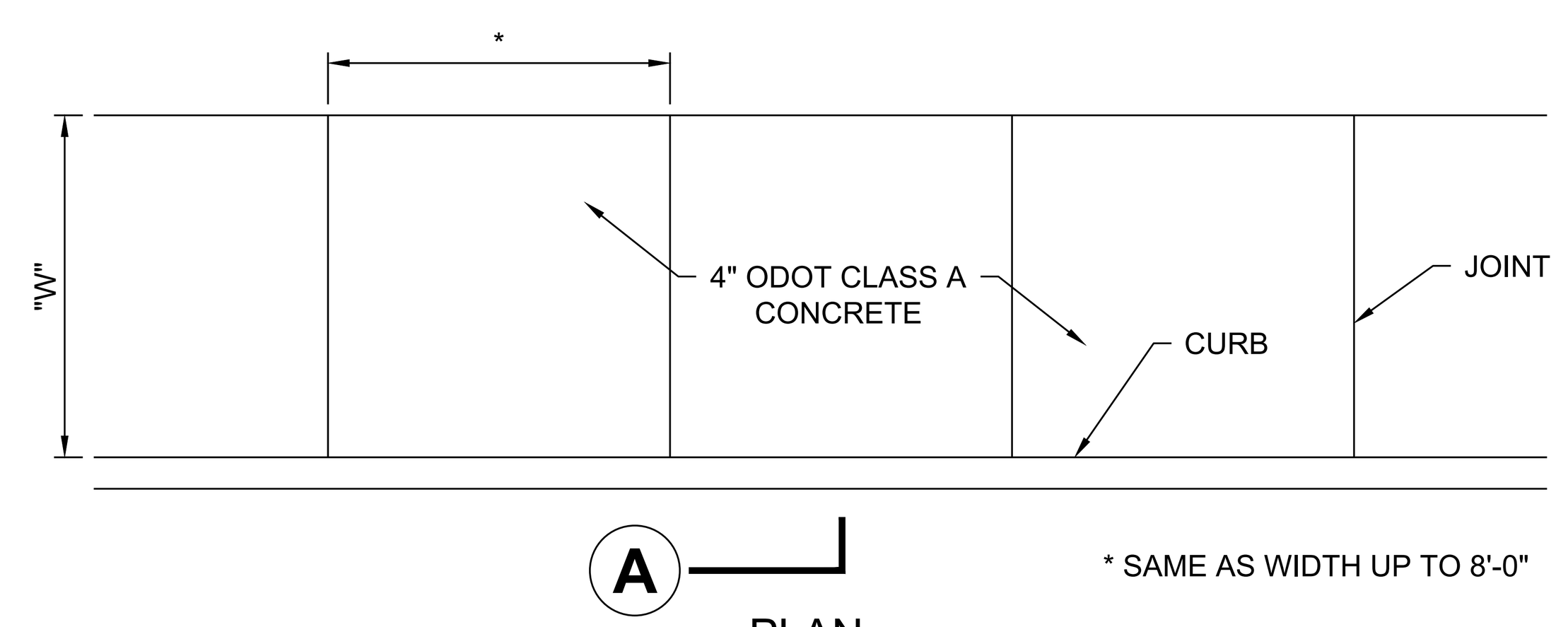
8 **ROOF DRAIN DETAIL**
NTS



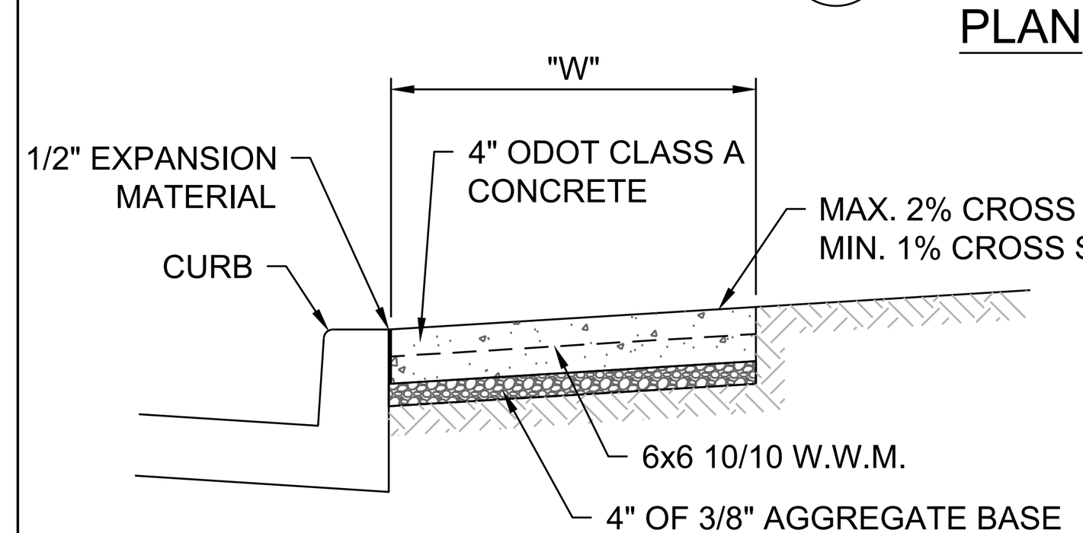
9 **ADA SIGN POST DETAIL**
NTS



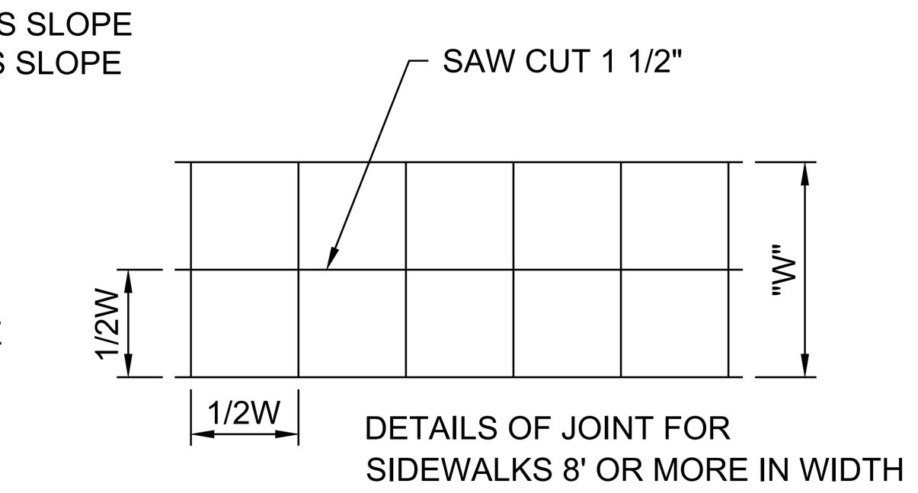
10 **BOLLARD DETAIL**
NTS



A **PLAN**



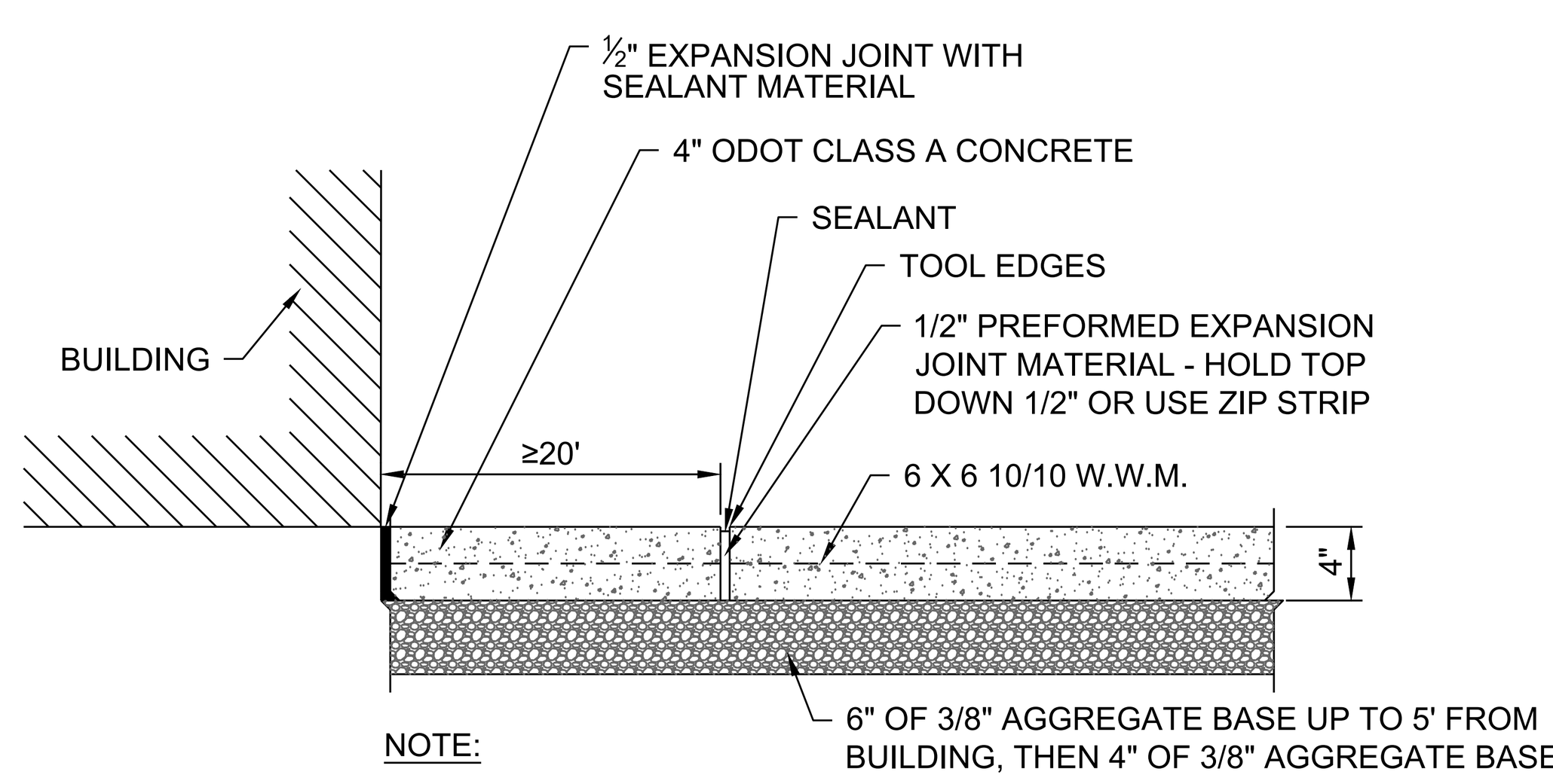
SECTION "A - A"



NOTES:

1. 1/2" X 4" PREMOLDED EXPANSION MATERIAL AROUND STRUCTURES IN WALK.
2. EXPANSION JOINTS MAXIMUM DISTANCE = 100', USE 1/2" X 4" PREMOLDED EXPANSION MATERIAL.
3. CONTRACTION JOINTS MAXIMUM DISTANCE = 8', SAW CUT 1-1/2" DEEP
4. SAW CUT JOINTS WITHIN 24 HOURS.
5. USE 1/2" X 4" PREMOLDED EXPANSION JOINT AT CURB.

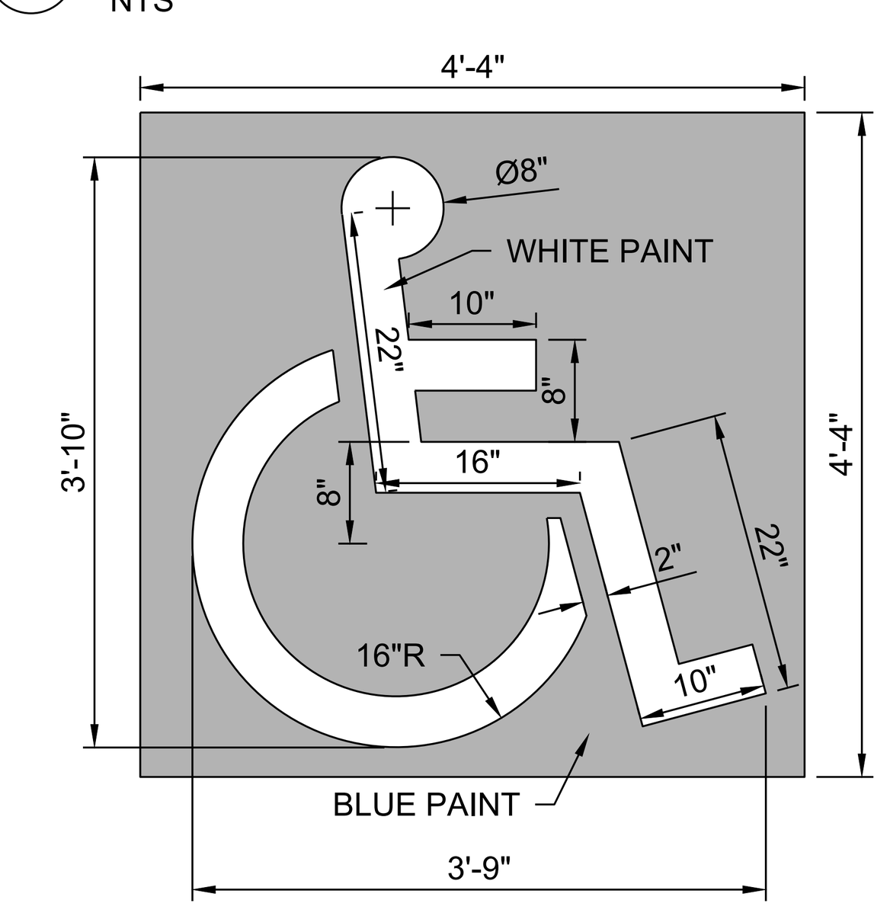
X **SIDEWALK DETAILS**
NTS



NOTE:

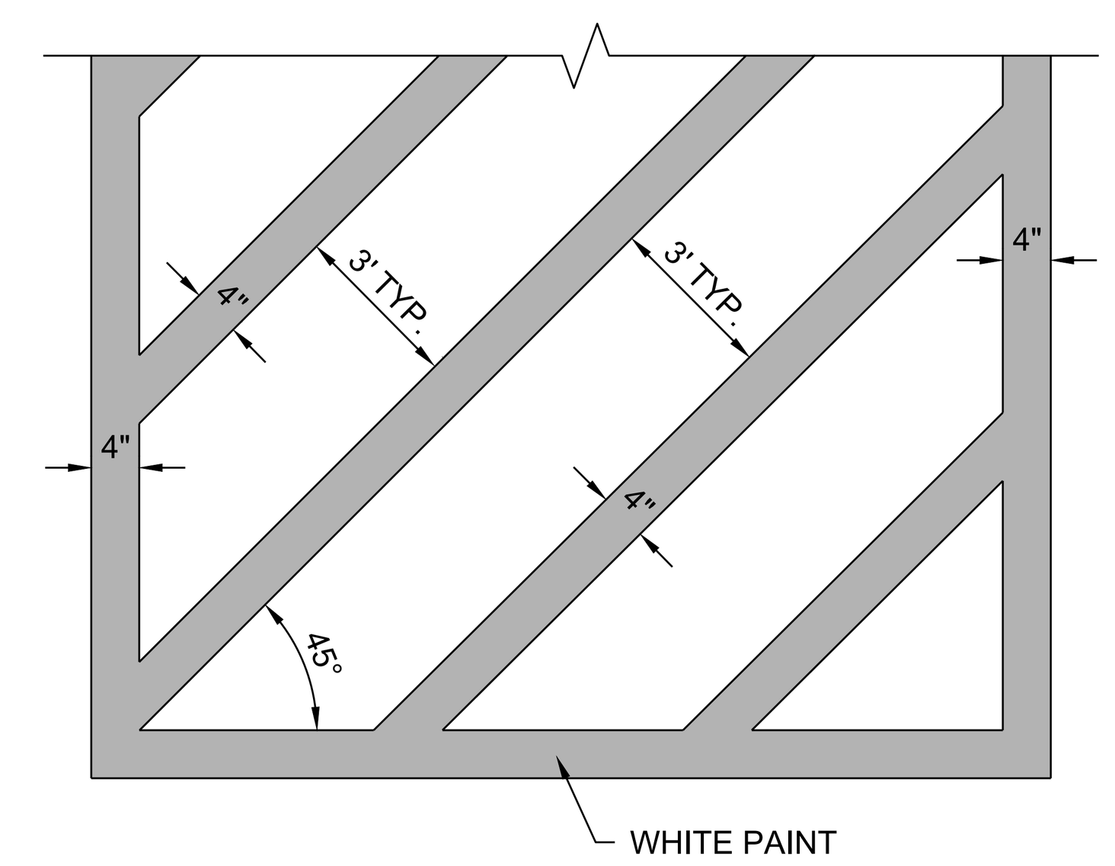
1. LOCATE EXPANSION JOINTS 20' O.C. FOR WALKS EXTENDING MORE THAN 20' FROM BUILDING.

12 **SIDEWALK EXPANSION JOINT**
NTS



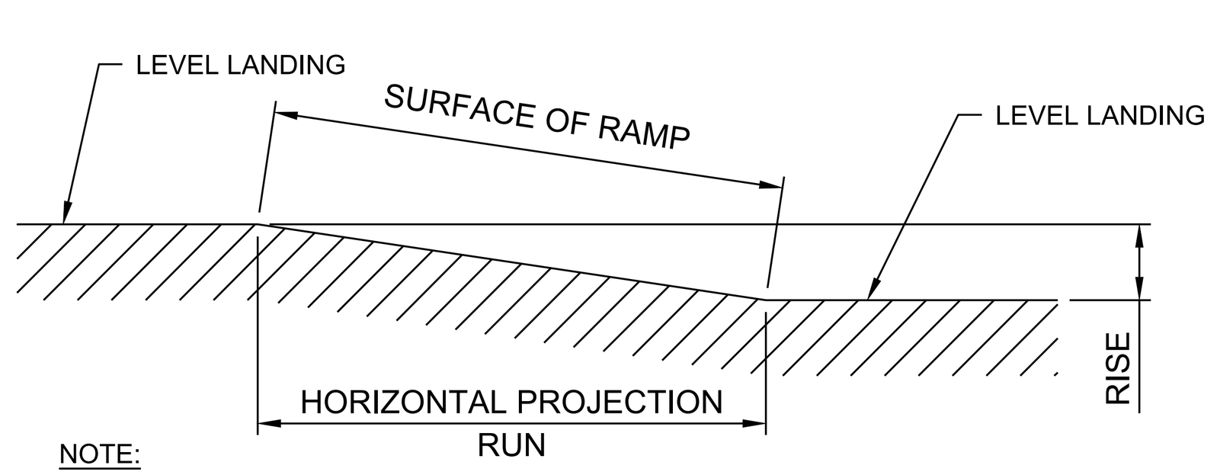
13 **ADA PAVEMENT MARKING**
NTS

NOTES: COORDINATE MARKING WITH OWNER. PAVEMENT MARKINGS MUST BE APPROVED BY OSU.



17 **ADA GORE STRIPING DETAIL**
NTS

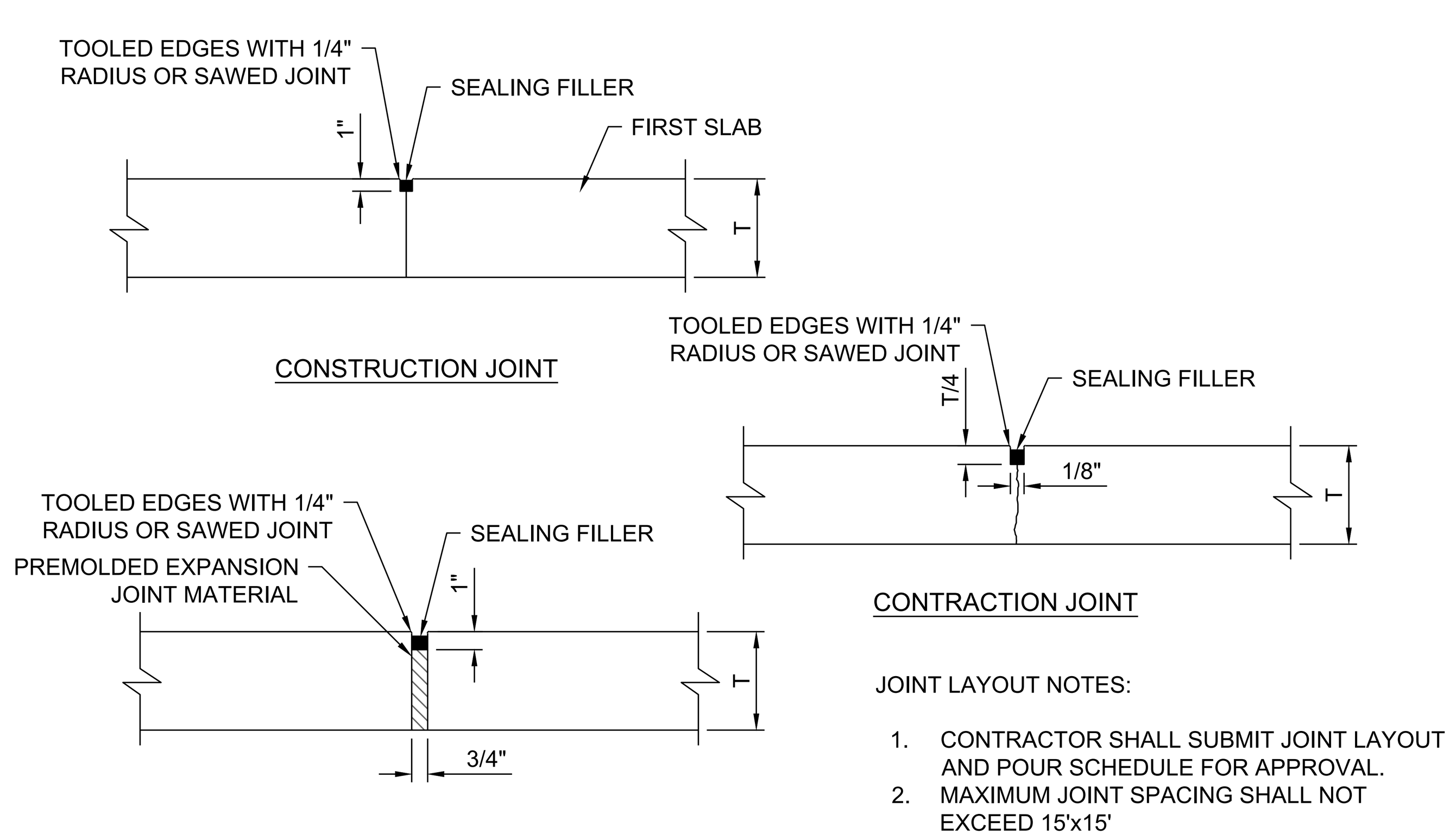
SLOPE	MAXIMUM RISE	MAXIMUM HORIZONTAL PROJECTION RUN
1:12 TO <1:15	30 INCHES	30 FEET TO 37.5 FEET



NOTE:

1. PEDESTRIAN AND CURB RAMPS TO BE CONSTRUCTED ON SITES OR IN EXISTING BUILDINGS OR FACILITIES WHERE SPACE LIMITATIONS PROHIBIT THE USE OF 1:12 SLOPE OR LESS MAY HAVE SLOPES AND RISES AS FOLLOWS:
   A. A SLOPE BETWEEN 1:10 AND 1:12 IS ALLOWED FOR A MAXIMUM OF 6 INCHES OF RISE.
   B. A SLOPE BETWEEN 1:8 AND 1:10 IS ALLOWED FOR A MAXIMUM OF THREE INCHES OF RISE.

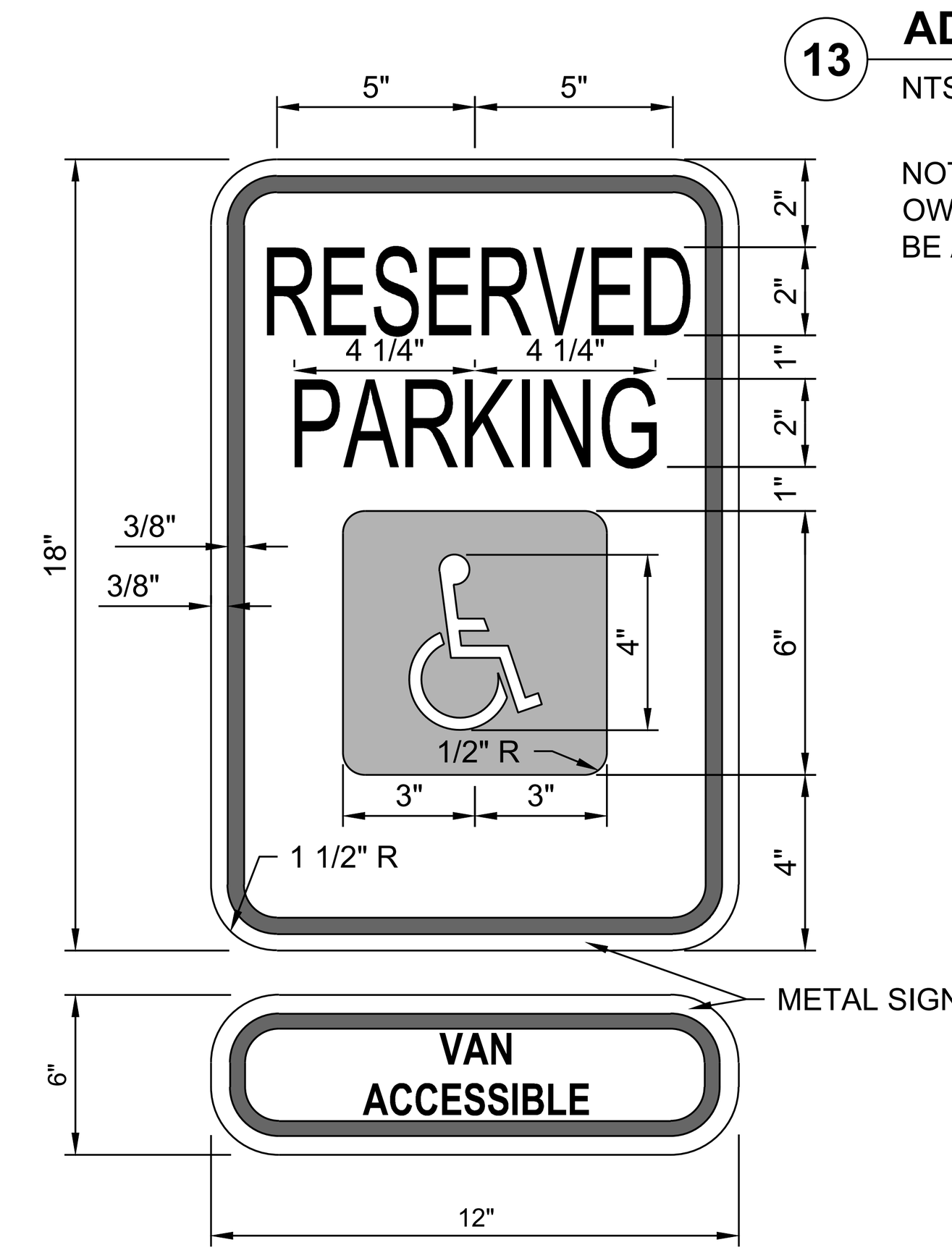
14 **SAMPLE RAMP DIMENSIONS AND COMPONENTS**
NTS



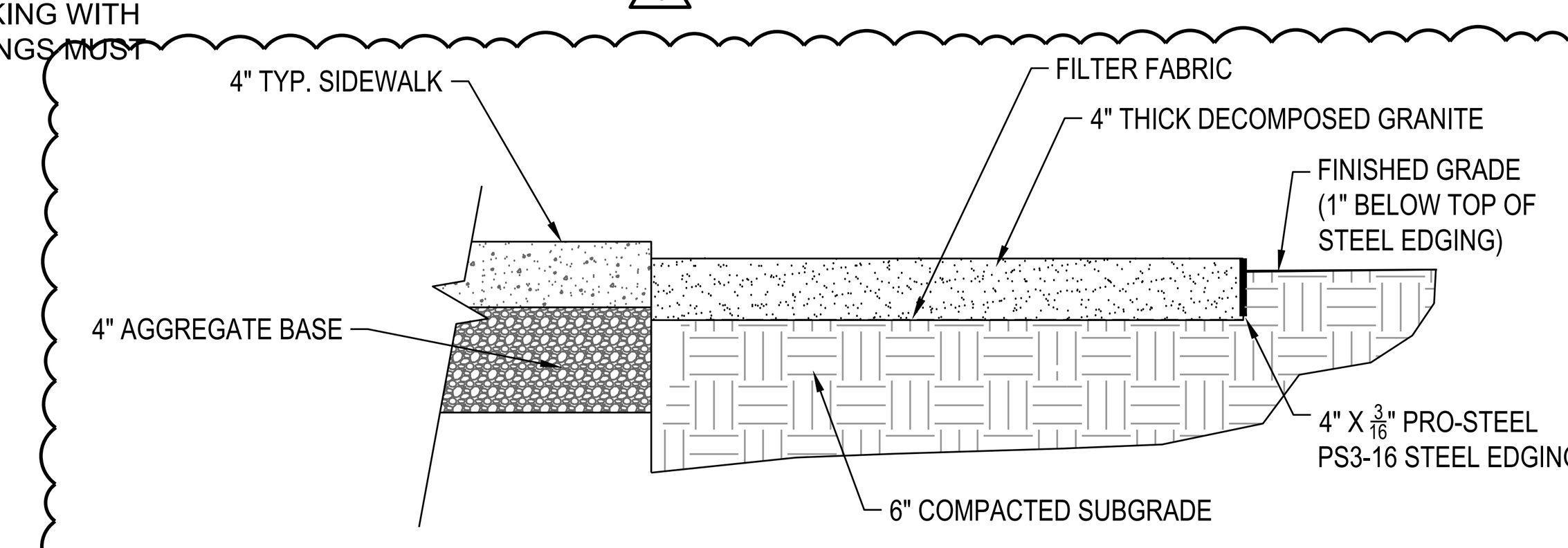
JOINT LAYOUT NOTES:

1. CONTRACTOR SHALL SUBMIT JOINT LAYOUT AND POUR SCHEDULE FOR APPROVAL.
2. MAXIMUM JOINT SPACING SHALL NOT EXCEED 15'x15'
3. MINIMUM LENGTH OF CONCRETE SHALL BE 2' (NO SINGLE POINTS)
4. PANEL DIMENSIONS RATIO SHALL BE LESS THAN 1.25:1 ALL ODD– SHAPED PANELS SHALL HAVE REINFORCING AS SHOWN IN FILLET DETAIL (THIS SHEET)

15 **JOINT DETAILS**
NTS



16 **ADA SIGN DETAIL**
NTS



18 DECOMPOSED GRANITE DETAIL
NTS

NOTES:

1. MATERIAL
   A. DECOMPOSED GRANITE SHALL OSU LANDSCAPE REQUIREMENTS FOR DESERT GOLD CHIPS.
   B. MATERIAL SHALL BE FREE OF FOREIGN SOIL, DEBRIS, GRAVEL, ROCK, ORGANIC MATERIAL, AND OTHER OBJECTIONABLE MATERIAL. CONTRACTOR TO SUBMIT A ONE-QUART SAMPLE OF MATERIAL FOR APPROVAL.
2. INSTALLATION
   A. PLACE FILTER FABRIC OVER ENTIRE AREA, OVERLAPPING SEAMS A MINIMUM OF 18".
   B. SPREAD MATERIAL EVENLY OVER THE AREA DELINEATED ON PLANS.
   C. MATERIAL SHALL BE WATERED IN AND COMPACTED TO 90 - 95% DENSITY WITH A ROLLER OR VIBRATING PLATE COMPACTOR.
   D. THE SURFACE SHALL BE FINE GRADED SO THAT WHEN TESTED WITH AN 8' STRAIGHT EDGE IT SHALL HAVE NO DEVIATION GREATER THAN 1" AT ANY POINT. DEVIATIONS GREATER THAN 1" SHALL BE CORRECTED.
   E. THE FINISHED PRODUCT SHALL BE TO THE DEPTH INDICATED (AFTER COMPACTION).

PLOT DATE: 1/23/2026 11:38 AM

CEC
CEC CORPORATION WWW.CONNECTCEC.COM OK CA#: 33 EXP.: 2026-06-30

OKLAHOMA Transportation

PROFESSIONAL ENGINEER JACKSON 01/23/2026 29812 OKLAHOMA

NO.	DESCRIPTION	DATE
1	ADDENDUM 2	01/23/2026

REVISION HISTORY

SUBMITTAL:	100% CONSTRUCTION DOCUMENTS
DATE:	04/15/2025
PROJECT NO:	211051
DESIGNED BY:	SJC
DRAWN BY:	SJC
REVIEWED BY:	KSJ
SCALE:	AS INDICATED

ODOT OSU MULTIPURPOSE FACILITY
STILLWATER, OK

SHEET
CIVIL SITE DETAILS

SHEET
C600

ELECTRICAL SYMBOLS AND ABBREVIATIONS

MARK	DESCRIPTION	MARK	DESCRIPTION	MARK	DESCRIPTION
A	ABOVE COUNTER, REFER DETAIL 9/E-501	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	OCP	OVERCURRENT PROTECTION
AFF/AFG	ABOVE FINISHED FLOOR/GRADE	GND	GROUND	RCPT	RECEPTACLE
ALT	ALTERNATE	HOA	HAND OFF AUTOMATIC	SM	SURFACE MOUNTED
AMP	AMPERE	IN	INCHES	SPD	SURGE PROTECTION DEVICE
APPROX	APPROXIMATE	KW	KILOWATTS	SPEC	SPECIFICATION(S)
ARCH	ARCHITECT/ARCHITECTURAL	MCC	MOTOR CONTROL CENTER	TV	TELEVISION
ATS	AUTOMATIC TRANSFER SWITCH	MDP	MAIN DISTRIBUTION PANEL	TYP	TYPICAL
C	CONDUIT	MECH	MECHANICAL	UG	UNDERGROUND
CLG	CEILING	MTS	MANUAL TRANSFER SWITCH	UNO	UNLESS NOTED OTHERWISE
DISC	DISCONNECT SWITCH	NC	NORMALLY CLOSED	V	VOLTS
EC	ELECTRICAL CONTRACTOR	NEC	NATIONAL ELECTRIC CODE, NFPA 70	W/	WITH
EXIST	EXISTING	NIC	NOT IN CONTRACT	W/O	WITHOUT
EP	EXPLOSION PROOF	NL	NIGHT LIGHT	WP	WEATHERPROOF (DEVICE AND WHILE-IN-USE ENCLOSURE)
FT	FEET	NO	NORMALLY OPEN	WR	WEATHER RESISTANT (DEVICE AND FLIP ENCLOSURE)
GC	GENERAL CONTRACTOR	NTS	NOT TO SCALE	XFMR	TRANSFORMER
				1/E2	DETAIL 1 ON SHEET E2
	HALFTONE SYMBOL INDICATES EXISTING		TAMPER RESISTANT NEMA 5-20R DUPLEX RECEPTACLE		SURFACE MOUNTED RACEWAY WITH POWER/ DATA ASSEMBLIES
	DASHED SYMBOL INDICATES DEMOLITION		TAMPER RESISTANT NEMA 5-20R QUADPLEX RECEPTACLE, (2 DUPLEX RECEPTS IN A 2-GANG BOX)		TELEPHONE OUTLET
	ELECTRICAL 480V PANELBOARD	A	TAMPER RESISTANT NEMA 5-20R DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER	W	WALL TELEPHONE OUTLET
	ELECTRICAL 208V PANELBOARD		TAMPER RESISTANT NEMA 5-20R DUPLEX RECEPTACLE MOUNTED IN CEILING		DATA OUTLET
#/#/#	DISCONNECT SWITCH FUSIBLE UNLESS OTHERWISE NOTED, NUMBERS INDICATE FRAME/FUSE//POLE		TAMPER RESISTANT NEMA 5-20R DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTER TYPE		TELEDATA COMBINATION OUTLET
#/#/#	DISCONNECT SWITCH NON FUSIBLE UNLESS OTHERWISE NOTED, NUMBERS INDICATE FRAME, FUSE, POLE	W	WEATHER AND TAMPER RESISTANT NEMA 5-20R DUPLEX RECEPTACLE OR SAME IN WEATHERPROOF ENCLOSURE		WIRELESS ACCESS POINT
	CONTACTOR/MAGNETIC MOTOR STARTER OR COMBINATION TYPE	IG	NEMA 5-20R DUPLEX RECEPTACLE,ISOLATED GROUND TYPE	CR	CARD READER
	VFD W/ DISCONNECTING MEANS	IG	NEMA 5-20R ISOLATED GROUND QUADPLEX, RECEPTACLE, ORANGE COLOR	K	KEYPAD
FACP	FIRE ALARM CONTROL PANEL		TAMPER RESISTANT SPLIT DUPLEX, NEMA 5-20R DUPLEX RECEPTACLE MOUNTED AT 18" WITH TWO CIRCUITS.		CCTV CAMERA
FAAP	FIRE ALARM ANNUCIATOR PANEL		20A TAMPER RESISTANT DUPLEX RECEPTACLE (LEVITON T5825 OR EQUAL)		LIGHT FIXTURE ON (EM) LIFE SAFETY BRANCH, INVERTER, OR INTEGRAL 90 MINUTE BATTERY
NAC	SIGNAL POWER EXTENDER		TAMPER RESISTANT USB A/C TYPE RECEPTACLE (LEVITON T5833 OR EQUAL)	$ 3	LIGHT SWITCH, SPST, 20A. NUMBER INDICATES DPST, 3-WAY, 4-WAY
GAP	GENERATOR ANNUCIATOR PANELBOARD	EWC	ELECTRIC WATER COOLER, NEMA 5-20R DUPLEX RECEPT. MOUNT PER MANUFACTURER'S REQUIREMENTS. PROVIDE GFCI BREAKER.	$ b	LIGHT SWITCH, SPST, 20A. LETTER INDICATES CONTROL ZONE
	MOTOR OUTLET/CONNECTION - SEE SCHEDULE		SPECIAL OUTLET - SEE DEVICE SCHEDULE	$ P	LIGHT SWITCH, PILOT LIGHT "ON", 20A
	EQUIPMENT CONNECTION - SEE SCHEDULE		SPECIAL OUTLET - POKE THRU - SEE SCHEDULE	$ K	LIGHT SWITCH, KEY-OPERATED, 20A
XXXX	MECHANICAL EQUIPMENT TAG	FF	FURNITURE FEED - FLOOR BOX - TRIM COLOR TBD	$ M	MANUAL MOTOR STARTER SWITCH W/ OVERLOAD
XXXX	OWNER EQUIPMENT TAG	FF	FURNITURE FEED - POKE THRU - TRIM COLOR TBD	$ V	VOLUME CONTROL
	RISER OR CONDUIT TURNED DOWN		FLOOR BOX - DUPLEX WITH METALLIC FLIP COVER	$ WP	WEATHER PROOF SWITCH
	RISER OR CONDUIT TURNED UP		FLOOR BOX - QUAD WITH METALLIC FLIP COVER	LV	LOW VOLTAGE OVERRIDE SWITCH
	CAP ON PIPE	J	JUNCTION BOX (J-BOX OR JB)	M	OCCUPANCY SENSOR SWITCH- WALL MOUNTED
	OPEN CONDUIT END	IR	INFRARED PLUMBING MOTION SENSOR	D	WALLBOX DIMMER SWITCH
	TEST PORT	P	POWER POLE	F	FAN SWITCH/CONTROLLER
A-1,3,5	HOMERUN WITH BRANCH CIRCUIT(S) AS INDICATED	PB	PULL BOX	OS	OCCUPANCY SENSOR - CEILING MOUNTED - SEE LIGHTING CONTROL SCHEDULE
A-1,3,5	PARTIAL HOMERUN WITH BRANCH CIRCUIT(S) AS INDICATED	S S	SPEAKER (WALL OR CEILING MOUNTED)	OS	OCCUPANCY SENSOR - WALL MOUNTED - SEE LIGHTING CONTROL SCHEDULE
	EMERGENCY CIRCUIT		PUSH BUTTON	PC	OUTDOOR PHOTOELECTRIC CELL - SEE SENSOR SCHEDULE
	LOW VOLTAGE CIRCUIT		START STOP	DS	INDOOR DAYLIGHT SENSOR - SEE SENSOR SCHEDULE
	NORMAL CIRCUIT				
	UNDERGROUND CIRCUIT				

ELECTRICAL GENERAL REQUIREMENTS:

1. ELECTRICAL WORK SHALL BE PERFORMED IN COMPLIANCE WITH THE CURRENT OSU ENGINEERING GUIDELINES AND ADOPTED EDITIONS OF THE INTERNATIONAL BUILDING (IBC), ELECTRICAL (NEC), AND FIRE (IFC) CODES, NFPA 13, 70, 72, 90A, 101 AND ALL LOCAL AMENDMENTS AND REGULATIONS. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE DRAWINGS AND SHALL BE PERFORMED WITH THE LATEST INDUSTRY ACCEPTED STANDARDS. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND APPLICABLE CODES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND THE MORE STRINGENT OF THE TWO SHALL BE FOLLOWED, ALL WORK SHALL BE CONDUCTED IN A SAFE MANNER WITH ADEQUATE PROTECTION FOR THE NEW WORK, EXISTING PROPERTY, AND THE GENERAL PUBLIC.
2. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF EXISTING CONDITIONS, NEW WORK, PATCHING, ETC., REQUIRED BY THE PROJECT, AND TO BECOME FAMILIAR WITH THE WORK CONDITIONS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR WORK INDICATED OR REQUIRED; FOR WORK PROVIDED DURING NON-STANDARD HOURS; FOR WORK REQUIRED TO MAINTAIN BUILDING SAFETY AND FUNCTION; FOR WORK TO PATCH/REPAIR BUILDING SYSTEMS AND FINISHES; OR ANY OTHER WORK RESULTING FROM REQUIRED NEW WORK, RECONNECTION, AND/OR DEMOLITION OPERATIONS.
3. ELECTRICAL SYSTEM PENETRATIONS THROUGH NEW WALLS, FLOOR/CEILING, OR ROOF CONSTRUCTION SHALL BE THOROUGHLY FILLED WITH FIRE RESISTANT MATERIAL (STUFFING FIBRE-FLAX DURA BLANKET IN CAVITIES) AND SEALED WITH 3M BRAND FIRE BARRIER CAULK, CP25. ALL FIRE STOPPING SHALL BE EQUAL TO OR BETTER THAN ASSEMBLY PENETRATED. PENETRATION OF ALL FIRE BARRIERS SHALL NOT IMPAIR THE INTEGRITY OF THE BARRIER. ALL SLEEVED OPENINGS SHALL BE FINISHED IN SUCH A MANNER THAT MAINTAINS THE FIRE RESISTANCE.
4. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL WIRING AND CONDUIT, AND OTHER SYSTEMS SPECIFIED AND REQUIRED IN THE PROJECT. CONTRACTOR SHALL MAINTAIN PROPER CLEARANCES BETWEEN MECHANICAL AND ELECTRICAL EQUIPMENT. DUCTS, PIPES, OR EQUIPMENT SHALL NOT INTRUDE ON ELECTRICAL CLEARANCE SPACE AS DEFINED IN THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE.
5. ALL NECESSARY PERMITS, LICENSES, CERTIFICATES, TESTS, ETC., SHALL BE OBTAINED BY THE CONTRACTOR, INCLUDED IN THE PROJECT COST AND BID, WITHOUT ADDITIONAL COST TO THE OWNER OR ENGINEER.
6. THE CONTRACTOR SHALL UPDATE RECORD DRAWINGS DAILY. ANNOTATE "AS INSTALLED" CONDITIONS IN RED INK ON HARD COPIES, INDICATING ALL CHANGES FROM THE ORIGINAL DRAWINGS MADE DURING THE INSTALLATION OF THE WORK. AT COMPLETION OF THE PROJECT, THE RECORD DRAWINGS SHALL BE DELIVERED TO THE OWNER'S REPRESENTATIVE.
7. THE CONTRACTOR SHALL PROVIDE A MINIMUM ONE YEAR WARRANTY ON ALL MATERIALS AND LABOR. UNLESS NOTED OTHERWISE.
8. CONDITIONS MAY OCCUR THAT WILL REQUIRE MINOR REVISIONS IN ARRANGEMENT OF DUCTWORK, ATTACHMENTS, CONDUIT, ETC., ON VARIOUS SYSTEMS. SUCH MODIFICATIONS ARE DEEMED A PART OF THIS CONTRACT, AND SHALL BE SUBMITTED FOR REVIEW PRIOR TO COMMENCEMENT OF WORK.
9. ALL NEW WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT (A.D.A.) AND ALL STATE REQUIREMENTS.
   CONTRACTOR SHALL COORDINATE ALL CONNECTION REQUIREMENTS OF OWNER-FURNISHED EQUIPMENT & EQUIPMENT FURNISHED BY OTHERS. PROVIDE NECESSARY MATERIAL AND LABOR FOR A COMPLETE INSTALLATION.
10. ALL PATCHING AND PAINTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL INCLUDE PATCHING AND PAINTING AS A RESULT OF ELECTRICAL ALTERATIONS, CHANGES, AND ADDITIONS. COORDINATE WITH ARCHITECT.
11. REFER TO ARCHITECTURAL, CIVIL, & STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS. SEE SEPARATE PROJECT MANUAL FOR GENERAL CONDITIONS AND SPECIFICATIONS, IF APPLICABLE. WHERE DISCREPANCIES OCCUR BETWEEN THESE DRAWINGS AND THE PROJECT MANUAL, THE LATTER SHALL BE FOLLOWED, COORDINATE WITH ENGINEER.
12. CONCEAL ALL PIPING AND CONDUIT IN FINISHED AREAS UNLESS OTHERWISE NOTED. ALL PIPING, DEVICES, APPARATUS, EQUIPMENT, ETC., SHALL BE PROPERLY SUPPORTED AND BRACED VERTICALLY AND HORIZONTALLY IN ACCORDANCE WITH CODES AND AS REQUIRED TO PREVENT EXCESSIVE MOVEMENT.
13. COORDINATE CEILING MOUNTED FIXTURES, DEVICES, ETC., WITH MECHANICAL DRAWINGS AND ARCHITECT'S REFLECTED CEILING PLAN DRAWINGS FOR EXACT LOCATIONS OF FIXTURES.
14. CORING SLAB PENETRATIONS FOR PIPING/CONDUIT AND DRILLING OF THE STRUCTURE FOR EQUIPMENT ANCHORAGE SHALL NOT BE PERFORMED WITHOUT THE PRIOR APPROVAL OF OWNER AND STRUCTURAL ENGINEER.
15. IN THE EVENT OF SUBSTITUTION OF EQUIPMENT, IT SHALL BE THE RESPONSIBILITY OF THE SUBSTITUTING CONTRACTORS TO COORDINATE ADDITIONAL REQUIREMENTS FOR THESE ALTERATIONS. THE SUBSTITUTING CONTRACTORS SHALL BE RESPONSIBLE TO PROVIDE ADDITIONAL EQUIPMENT, CONDUCTORS, BOXES, CONDUIT, ADJUST OVER-CURRENT PROTECTION DEVICES, PROVIDE ADDITIONAL OCPD, LABOR, ADJUST CONDUCTOR SIZES, ADJUST CONDUCTOR QUANTITIES, AND OTHER NECESSARY APPURTENANCES AS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM PER THE MANUFACTURER'S RECOMMENDATIONS. INCLUDE ALL COSTS IN BASE BID.
16. THESE DRAWINGS DIAGRAMMATICALLY INDICATE THE INTENT OF THE PROPOSED CONSTRUCTION. SLIGHT VARIATIONS IN TENANT'S FURNITURE AND SITE CONDITIONS MAY REQUIRE OUTLETS TO BE RELOCATED TO ACCOMMODATE THE ACTUAL FURNITURE AND/OR OUTLETS. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL OUTLETS WITH OWNER'S REPRESENTATIVE, PERFORMING ADJUSTMENTS TO OUTLET LOCATIONS AS REQUIRED FOR A FINISHED AND FUNCTIONAL SYSTEM.
17. COORDINATE MOUNTING LOCATIONS OF RECEPTACLES, FIRE ALARM DEVICES, TELEPHONE OUTLETS, SPECIAL PURPOSE OUTLETS, DATA/COMMUNICATIONS OUTLETS, SECURITY DEVICES, ETC., WITH ARCHITECT'S DRAWINGS AND SITE CONDITIONS PRIOR TO ROUGH-IN.
18. COORDINATE CEILING MOUNTED WIRING DEVICES, FIRE ALARM DEVICES, ETC., WITH MECHANICAL DRAWINGS AND ARCHITECT'S REFLECTED CEILING PLANS.
19. WHERE BACK-TO-BACK WALL MOUNTED DEVICES ARE INDICATED, SEPARATE ADJACENT OUTLET BOXES SHALL BE USED. THRU-WALL BOXES ARE NOT ACCEPTABLE FOR ANY DEVICES.
20. ALL POWER WIRING SHALL BE INSTALLED IN CONDUIT. ALL LOW VOLTAGE WIRING SHALL USE PLENUM-RATED CABLE.
21. WIRING DEVICES INDICATED SHALL BE VERIFIED FOR PROPER OPERATION, SAFETY AND APPLICATION PRIOR TO REUSE.
22. CIRCUIT NUMBERS WHERE INDICATED ARE FOR REFERENCE AND MAY NOT COINCIDE WITH AVAILABLE OR FINAL CIRCUITS USED. CONTRACTOR SHALL NOTE ACTUAL CIRCUITS USED ON PANEL DIRECTORY CARDS AND RECORD DRAWINGS. UPDATE CIRCUIT DIRECTORY CARDS IN NEW AND PANELS AFFECTED BY THE WORK OF THIS PROJECT.
23. ON ALL NEW TELEPHONE AND DATA/COMMUNICATION DEVICE BOXES, CONTRACTOR SHALL PROVIDE EMPTY CONDUIT TO ABOVE CEILING AND INSTALL PULL STRING, UNLESS NOTED OTHERWISE.
24. PROVIDE MINIMUM 200 POUND TEST STRENGTH NYLON PULL CORDS IN ALL EMPTY CONDUIT SYSTEMS WITH LABELS ON CORDS INSIDE ALL JUNCTION BOXES.
25. ALL NEW WIRING DEVICES SHALL BE FLUSH MOUNTED WHEREVER POSSIBLE. MULTIPLE DEVICES SHALL BE MOUNTED IN GANGS WITH A COMMON GANG DEVICE PLATE. ALL DEVICES AND COVER PLATES SHALL MATCH WHERE APPLICABLE. COORDINATE WITH ARCHITECT FOR FINAL DEVICE AND FACEPLATE FINISHES.
26. CONTRACTOR SHALL COORDINATE AS REQUIRED, ALL CONDUITS, ROUGH-INS, CONNECTIONS, ETC., FOR SECURITY, TELEPHONE, COMPUTER/DATA DEVICES AND EQUIPMENT BY OWNER OR OTHERS.
27. COORDINATE MOUNTING LOCATIONS OF ALL LIGHT SWITCHES, EXIT SIGNS, ETC., WITH ARCHITECT'S DRAWINGS AND SITE CONDITIONS PRIOR TO ROUGH-IN.
28. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR LOCATIONS, QUANTITIES, AND ELECTRICAL CONNECTION REQUIREMENTS OF EQUIPMENT. REFER TO MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS SCHEDULE FOR MECHANICAL AND PLUMBING EQUIPMENT POWER REQUIREMENTS AND CIRCUITING.

ELECTRIC UTILITY RESPONSIBILITY MATRIX PAD MOUNTED

RESPONSIBILITY	CONTRACTOR	UTILITY (OSU)
SMALL PRIMARY SERVICE DUCT BANK	X	
~~MEDIUM VOLTAGE CABLES~~		X
TRANSFORMER PAD (OLD CASTLE)	X	
TRANSFORMER	I	F
METER CAN	I	F
METER RACK (UNI-STRUT FRAME)	X	
METER		X
CT'S AND ASSOCIATED WIRING		X
SECONDARY CONDUIT & CONDUCTORS	X	

1

NOTES:
1. X = FURNISHED & INSTALLED. F = FURNISHED, I = INSTALLED
2. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH OSU ENERGY SERVICES. CONTACT CHRISTIAN CONTRERAS NIETO WITH OSU ENERGY SERVICE AT (405) 744-6440. COMPLY WITH ALL UTILITY STANDARDS.
3. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL FOR ALL CONTRACTOR PROVIDED ITEMS AND SHALL COMPLY WITH THE OSU ENGINEERING DESIGN GUIDELINES.
4. CONTRACTOR WILL BE RESPONSIBLE FOR UNLOADING THE TRANSFORMER UPON DELIVERY.
5. OSU ENERGY SERVICES PROVIDED TERMINATION OF THE CONTRACTOR-SUPPLIED SECONDARY SERVICE CONDUCTORS WITHIN THE TRANFORMER. (CONTRACTOR BUYS THE TERMINATIONS AND INSTALLS THEM ON THE SECONDARY CABILING. OSU ENERGY SERVICES LANDS THE TERMINATIONS ON THE TRANSFORMER).
6. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL TEMPORARY POWER ~~AND UNDERGROUND UTILITIES WITH OTHER TRADES.~~
7. TRANSFORMER PAD BASIS OF DESIGN TO BE "OLD CASTLE" PRECAST. ELECTRICAL CONTRACTOR TO OBTAIN SHOP DRAWINGS FROM "OLD CASTLE" AND SUBMIT SHOP DRAWINGS TO OSU ENERGY SERVICES FOR APPROVAL.
8. ALL MATERIAL, EQUIPMENT, AND LABOR PROVIDED BY OSU ENERGY SERVICES WILL BE UNDER PROJECT EXPENSES.

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FIRE ALARM SCOPE

PROVIDE TURN-KEY FIRE ALARM SYSTEM ACCORDING TO THE FOLLOWING MINIMUM REQUIREMENTS
1. PROVIDE ADDRESSABLE FIRE ALARM SYSTEM WITH HORN STROBE NOTIFICATION THROUGHOUT.
2. COMPLY WITH OSU FIRE ALARM STANDARDS, SEE SPECIFICATIONS 28 4600.
3. FIRE ALARM CONTRACTOR TO SUBMIT PLANS, PRODUCT DATA, AND CALCULATIONS TO ENGINEER AND AUTHORITY HAVING JURISDICTION (AHJ) FOR REVIEW. AHJ TO PROVIDE FINAL APPROVAL OF LAYOUT AND CALC.
4. LOCATE CONTROL PANEL IN ELECTRICAL ROOM. LOCATE ANNUNCIATING PANEL IN LOBBY AS INDICATED ON PLANS.
5. WHITE, WALL-MOUNTED DEVICES WHENEVER POSSIBLE.
6. SOLID CU WIRING.
7. ALL WIRING SHALL BE IN 3/4" EMT.
8. PROVIDE WRITTEN ACCEPTANCE TEST PROCEDURE (ATP) PER NFPA 72.
9. PROVIDE 2% SPARE OF THE FOLLOWING COMPONENTS (MINIMUM OF TWO) TO OWNER AS ATTIC STOCK - SMOKE DETECTORS, RELAYS, AND ANY STROBE DEVICE.

LOW VOLTAGE SCOPE

GENERAL (DATA / PHONE, SECURITY, ACCESS CONTROL)
1. REFER TO OKLAHOMA STATE UNIVERSITY INSTALLATION GUIDELINES FOR ALL ASSOCIATED REQUIREMENTS.
2. PLENUM RATED CABLE SHALL BE SUPPORTED BY DEDICATED J-HOOKS ABOVE ACCESSIBLE CEILING UON. ROUTE CABLE IN CONDUIT WHEN CABLE IS INACCESSIBLE (HARD CEILING) OR EXPOSED (NO CEILING).
3. CONTRACTOR TO PROVIDE INFRASTRUCTURE (RACEWAY, CABLE TRAY, DATA RACKS) AND CABLING.
4. ACTIVE EQUIPMENT IS TO BE OWNER PROVIDED.

LIGHTNING PROTECTION SCOPE

PROVIDE TURN-KEY LIGHTNING PROTECTION SYSTEM ACCORDING TO THE FOLLOWING MINIMUM REQUIREMENTS:
1. MEET OR EXCEED ALL REQUIREMENTS OF UL96, UL96A, NFPA 780 AND LPI 175.
2. LIGHTNING PROTECTION CONTRACTOR TO SUBMIT PLANS, PRODUCT DATA TO ENGINEER FOR REVIEW PRIOR TO PURCHASING MATERIAL.
3. PROVIDE OWNER WITH THE FOLLOWING CERTIFICATION WITHIN O&M MANUAL AT PROJECT CLOSEOUT.
   A. UL MASTER LABEL or LPI MASTER CERTIFICATION.
4. ALUMINUM COMPONENTS ARE ACCEPTABLE ONLY ON ALUMINUM OR GALVANIZED METAL ROOFS. DOWNLEADERS SHALL BE COPPER.

CEC
CEC CORPORATION

OKLAHOMA Transportation

LICENSED PROFESSIONAL ENGINEER
ANDREW J. PRITCHARD
27484
01/23/26
OKLAHOMA

REVISION HISTORY

NO.	DESCRIPTION	DATE
1	ADDENDUM 2	01/22/2026

SUBMITTAL:	CONSTRUCTION DOCUMENTS
DATE:	09/12/2025
PROJECT NO:	221001
DESIGNED BY:	DN
DRAWN BY:	DN
REVIEWED BY:	AP
SCALE:	AS INDICATED

ODOT OSU MULTIPURPOSE FACILITY

STILLWATER, OK

SHEET
ELECTRICAL COVER SHEET

SHEET
E001

PLOT DATE: 1/23/2026 6:50:51 AM

FAULT CURRENT SCHEDULE									
					FEEDER		TRANSFORMER		
DEVICE	FAULT AT DEVICE	MOTOR CONTRIBUTION	AIC RATING	VOLTAGE	SIZE	LENGTH	KVA	Z%	FAULT AT PRIMARY
ATS-GL	6,828 / 19,876	0	22,000	480V	#1 / #1	259' / 26'			
GL	16,198	0	22,000 FULLY RATED	480V	#1	25'			
UT	31,295	0		480V			500	2	UTILITY
FP-ATS/CP	3,968 / 4,124	0	22,000	480V	#4 / #4	211' / 214'			
MDP	25,667	677	35,000 FULLY RATED	480V	(3)300kcmil	144'			
H	23,165	456	35,000 FULLY RATED	480V	250kcmil	16'			
TLA	9,803	0	--	480V	1/0	20'	75	1.75	20,592
LA	9,272	140	22,000	208V	4/0	16'			
TLB	10,571	0	--	480V	2/0	124'	112.5	2	11,996
LB	10,093	77	22,000 FULLY RATED	208V	600kcmil	14'			
TLC	9,053	0	--	480V	2/0	127'	112.5	2	11,823
LC	8,568	0	10,000	240V	600kcmil	19'			

FAULT CURRENT SCHEDULE NOTES

A. TRANSFER SWITCH WITHSTAND AND CLOSE RATINGS (WCR)ASSUME FEEDER BREAKERS ARE LISTED IN THE TRANSFER SWITCH MANUFACTURER'S DOCUMENTATION AS A TESTED COMBINATION COMPATIBLE WITH THE TRANSFER SWITCH. CONTRACTOR SHALL COORDINATE BETWEEN EQUIPMENT SUPPLIERS TO ENSURE THE COMBINATION OF FEEDER CIRCUIT BREAKERS AND TRANSFER SWITCHES MEET THE MINIMUM WCR LISTED PRIOR TO SUBMITTALS.
B. WHERE SHORT-CIRCUIT CURRENT RATINGS (SCCR) AND WCR SPECIFIED I THIS SCHEDULE DO NOT CORRESPOND TO THE SUBMITTING MANUFACTURER'S STANDARD OFFERINGS, THE NEXT-HIGHER RATING SHALL BE USED.

FEEDER SCHEDULE	
20	3/4"C, 3#12, #12N, #12G
60	1-1/4"C, 3#4, #4N, #10G
60D	1"C, 3#4, #10G
60U	1"C, 3#4, #4N
100	1-1/2"C, 3#1, #1N, #8G
125D	1-1/2"C, 3-1/0, #6G
175D	1-1/2"C, 3-2/0, #6G
225J	2-1/2"C, 3-4/0, 4/0N, #2G
250	2-1/2"C, 3-250kcmil, 250kcmil N, #4G
400DJ	3"C, 3-600kcmil, 1/0G
400J	3-1/2"C, 3-600kcmil, 600kcmil N, 1/0G
800U.A	(3)4"C, 3-300kcmil, 300kcmil N

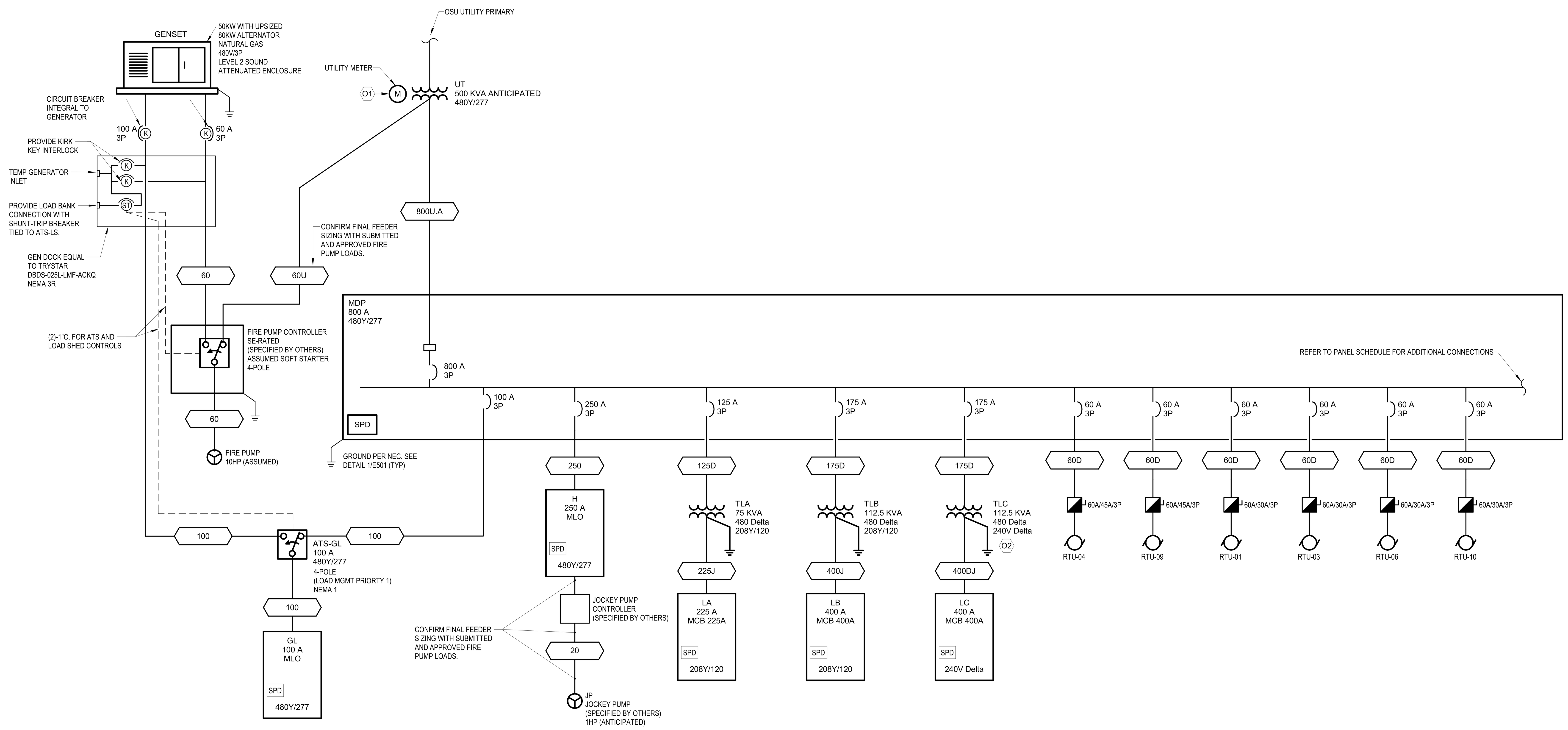
1

ONE-LINE NOTES

A. CIRCUIT BREAKERS SHALL BE 3-POLE AND 80% RATED UNLESS NOTED OTHERWISE.
B. FEEDER SIZING METHOD: COPPER, 60C #12 THROUGH #1, 75C #1/0 AND ABOVE IN EMT.
C. FOR FIRE PUMP SYSTEM, SIZE CONDUCTORS PER NEC 695 PER FIRE PROTECTION CONTRACTOR'S FINAL PUMP SIZE.

KEYNOTES

O1 REFER SHEET "E602", DETAIL 1 FOR MORE INFORMATION.
O2 3-PHASE TRANSFORMER WITH 240V DELTA SECONDARY, NO NEUTRAL. PROVIDE 240V/3PH CORNER GROUND PER NEC 250 AND DETAIL 1/E602.



1 ONE-LINE DIAGRAM
SCALE : NOT TO SCALE

PLOT DATE: 1/23/2026 8:50:52 AM

CEC CORPORATION
WWW.CONNECTCEC.COM
OK CA#: 32 EXP.: 2026-06-30

OKLAHOMA Transportation

ANDREW J. PRITCHARD
27484
01/23/26
LICENSED PROFESSIONAL ENGINEER
OKLAHOMA

REVISION HISTORY		
NO.	DESCRIPTION	DATE
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SCALE:	AS INDICATED

ODOT OSU MULTIPUPOSE FACILITY
STILLWATER, OK

SHEET
ELECTRICAL ONE-LINE DIAGRAM & SCHEDULES

SHEET
E002

MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE

CALLOUT	PHASE	VOLTAGE	CIRCUIT PANEL	CIRCUIT NUMBER	FAULT AT DEVICE	WIRE CALLOUT	LOAD KVA	LOAD FLA	LOAD MCA	DISCONNECT TYPE	DISCONNECT NEMA	NOTES
AC-01	1	208 V	LA	1,3	4,784	3/4"C, 2#10, #10G	0.21	1 A	1 A	TOGGLE SWITCH	NEMA 1	INDOOR UNIT FED FROM OUTDOOR UNIT. PROVIDE (2) 3/4" C. BETWEEN AC AND CU FOR POWER AND CONTROLS.
BBH-01	1	208 V	LA	5,7	1,892	3/4"C, 2#12, #12G	2.50	10 A	12 A	TOGGLE SWITCH	NEMA 1	
CU-01	1	208 V	LA	1,3	4,784	3/4"C, 2#10, #10G	5.20	20 A	25 A	TOGGLE SWITCH	NEMA 3R	
DC	1	208 V	LB	2,4	2,785	3/4"C, 2#10, #10G	3.48	17 A	17 A	SEE NOTES FOR RECEPTACLE CONFIGURATION	-	
EF-1	1	120 V	LA	19		3/4"C, 1#12, #12N, #12G	0.18	1 A	1 A	TOGGLE SWITCH	NEMA 3R	
EF-2	1	120 V	LA	19		3/4"C, 1#12, #12N, #12G	0.18	1 A	1 A	TOGGLE SWITCH	NEMA 3R	
EF-3	1	120 V	LA	19		3/4"C, 1#12, #12N, #12G	0.18	1 A	1 A	TOGGLE SWITCH	NEMA 3R	
EF-4	1	120 V	LA	19		3/4"C, 1#12, #12N, #12G	0.10	1 A	1 A	TOGGLE SWITCH	NEMA 3R	
RTU-01	3	480 V	MDP	8	12,099	1"C, 3#4, #10G	20.80	23 A	25 A	FUSED	NEMA 3R	
RTU-02	3	480 V	H	1,3,5	2,085	3/4"C, 3#12, #12G	10.82	12 A	13 A	FUSED	NEMA 3R	
RTU-03	3	480 V	MDP	9	9,090	1"C, 3#4, #10G	20.80	23 A	25 A	FUSED	NEMA 3R	
RTU-04	3	480 V	MDP	6	10,825	1"C, 3#4, #10G	29.12	32 A	35 A	FUSED	NEMA 3R	
RTU-05	3	480 V	H	2,4,6	3,505	3/4"C, 3#10, #10G	17.47	19 A	21 A	FUSED	NEMA 3R	
RTU-06	3	480 V	MDP	10	11,544	1"C, 3#4, #10G	20.80	23 A	25 A	FUSED	NEMA 3R	
RTU-07	3	480 V	H	7,9,11	1,265	3/4"C, 3#12, #12G	10.82	12 A	13 A	FUSED	NEMA 3R	
RTU-08	3	480 V	H	8,10,12	1,845	3/4"C, 3#10, #10G	17.47	19 A	21 A	FUSED	NEMA 3R	
RTU-09	3	480 V	MDP	7	7,367	1"C, 3#4, #10G	29.12	32 A	35 A	FUSED	NEMA 3R	
RTU-10	3	480 V	MDP	11	6,765	1"C, 3#4, #10G	20.80	23 A	25 A	FUSED	NEMA 3R	
RTU-11	3	480 V	H	13,15,17	1,024	3/4"C, 3#12, #12G	10.82	12 A	13 A	FUSED	NEMA 3R	
RTU-12	3	480 V	H	14,16,18	1,881	3/4"C, 3#10, #10G	17.47	19 A	21 A	FUSED	NEMA 3R	
RTU-13	3	480 V	H	19,21,23	2,887	3/4"C, 3#12, #12G	10.82	12 A	13 A	FUSED	NEMA 3R	
WH-1	1	120 V	LA	15	1,926	3/4"C, 1#12, #12N, #12G	0.50	4 A	4 A	TOGGLE SWITCH	-	

MECHANICAL SCHEDULE NOTE

A. REF MECHANICAL PLANS FOR ADDITIONAL INFORMATION. PROVIDE REVISED EQUIPMENT
B. SIZE FUSES PER MANUFACTURER RECOMMENDATIONS.
C. COORDINATE FINAL REQUIREMENTS WITH SUBMITTED AND APPROVED EQUIPMENT. PROVIDE UPDATED EQUIPMENT SELECTIONS, BREAKERS, AND/OR CONDUCTOR SIZES BASED UPON DEVIATIONS FROM BASIS OF DESIGN. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO SUBMITTING SUBMITTALS. COORDINATE LOCATION PRIOR TO ROUGH-IN.

OWNER EQUIPMENT ELECTRICAL CONNECTION SCHEDULE

CALLOUT	EQUIPMENT DESCRIPTION	PHASE	VOLTAGE	CIRCUIT PANEL	CIRCUIT NUMBER	FAULT AT DEVICE	WIRE CALLOUT	LOAD KVA	LOAD FLA	LOAD MCA	DISCONNECT TYPE	DISCONNECT NEMA	NOTES
AIR COMP.	NEW AIR COMPRESSOR	3	240 V	LC	2,4,6	5780 A	3/4"C, 3#8, #10G	10.40	23 A	25 A	FUSED	NEMA 1	
E1	CYLINDER BREAKER (CM-3000)	1	120 V	LB	29	5166 A	3/4"C, 1#12, #12N, #12G	0.60	5 A	5 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E2	ELE INT. AUTOMATIC SOIL COMPACTOR	1	120 V	LB	35	5191 A	3/4"C, 1#12, #12N, #12G	1.44	11 A	12 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E3	THERMOLYNE SCIENCITIC OVEN (F85930)	1	240 V	LC	21,23	2890 A	3/4"C, 2#8, #10G	6.38	24 A	27 A	SEE NOTES FOR RECEPTACLE CONFIGURATION	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE. VERIFY NEMA CONFIGURATION OF PLUG PRIOR TO ROUGH-IN.
E4	TROXLER GYRATORY MACHINE (5850)	1	120 V	LB	27	2008 A	3/4"C, 1#12, #12N, #12G	1.20	9 A	10 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE. ROUTE CONDUIT BELOW SLAB TO NEAREST WALL.
E5	MECH. WASHER	1	120 V	LB	17	3099 A	3/4"C, 1#12, #12N, #12G	1.56	12 A	13 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E6	LARGE STACK OVEN (31-350ER)	1	120 V	LB	1	2485 A	3/4"C, 1#12, #12N, #12G	1.92	14 A	16 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E6	LARGE STACK OVEN (31-350ER)	1	120 V	LB	3	2383 A	3/4"C, 1#12, #12N, #12G	1.92	14 A	16 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E7	GILSON SIEVE MACHINE (TS-2)	1	120 V	LB	41	3839 A	3/4"C, 1#12, #12N, #12G	1.44	11 A	12 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E8	MARY ANN LAB SIFTER MACHINE (RHA-637D)	1	120 V	LB	39	3526 A	3/4"C, 1#12, #12N, #12G	0.86	6 A	7 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E8	MARY ANN LAB SIFTER MACHINE (RHA-637D)	1	120 V	LB	49	3160 A	3/4"C, 1#12, #12N, #12G	0.86	6 A	7 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E9	SAND EQUAL. SHAKER (FL-854)	1	120 V	LB	31	1869 A	3/4"C, 1#12, #12N, #12G	0.24	2 A	2 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE. ROUTE CONDUIT BELOW SLAB TO NEAREST WALL.
E10	INSTROTEK COREDRY MACHINE	1	120 V	LB	19	3457 A	3/4"C, 1#12, #12N, #12G	1.80	14 A	15 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E11	INSTROTEK CORELOK MACHINE	1	120 V	LB	33	3024 A	3/4"C, 1#12, #12N, #12G	1.56	12 A	13 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E12	SCALE	1	120 V	LB	30	0 A	3/4"C, 1#12, #12N, #12G	0.24	2 A	2 A	DUPLEX RECEPTACLE	-	POWERED BY GEN. ELEC. CIRCUIT THIS AREA, REFER FIRST FLOOR-POWER FOR MORE INFORMATION.
E12	SCALE	1	120 V	LB	30	0 A	3/4"C, 1#12, #12N, #12G	0.24	2 A	2 A	DUPLEX RECEPTACLE	-	POWERED BY GEN. ELEC. CIRCUIT THIS AREA, REFER FIRST FLOOR-POWER FOR MORE INFORMATION.
E12	SCALE	1	120 V	LB	26	0 A	3/4"C, 1#12, #12N, #12G	0.24	2 A	2 A	DUPLEX RECEPTACLE	-	POWERED BY GEN. ELEC. CIRCUIT THIS AREA, REFER FIRST FLOOR-POWER FOR MORE INFORMATION.
E13	MIXER	1	120 V	LB	43	2073 A	3/4"C, 1#12, #12N, #12G	1.68	2 A	2 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E14	CONCRETE SAW	1	120 V	LB	74	6787 A	3/4"C, 1#12, #12N, #12G	1.73	2 A	2 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E16	SCALE	1	120 V	LB	18	0 A	3/4"C, 1#12, #12N, #12G	0.24	2 A	2 A	DUPLEX RECEPTACLE	-	POWERED BY TABLE CIRCUIT.
E17	INSTROTEK AUTORICE	1	120 V	LB	37	8123 A	3/4"C, 1#10, #10N, #10G	1.60	13 A	13 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E21	ASPHALT IGNITION OVEN (F85930)	1	240 V	LC	17,19	1904 A	3/4"C, 2#8, #10G	6.38	24 A	27 A	SEE NOTES FOR RECEPTACLE CONFIGURATION	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE. VERIFY NEMA CONFIGURATION OF PLUG PRIOR TO ROUGH-IN.
E21	ASPHALT IGNITION OVEN (F85930)	1	240 V	LC	8,10	2914 A	3/4"C, 2#8, #10G	6.38	24 A	27 A	SEE NOTES FOR RECEPTACLE CONFIGURATION	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE. VERIFY NEMA CONFIGURATION OF PLUG PRIOR TO ROUGH-IN.
E21	ASPHALT IGNITION OVEN (F85930)	1	240 V	LC	16,18	1553 A	3/4"C, 2#8, #10G	6.38	24 A	27 A	SEE NOTES FOR RECEPTACLE CONFIGURATION	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE. VERIFY NEMA CONFIGURATION OF PLUG PRIOR TO ROUGH-IN.
E21	ASPHALT IGNITION OVEN (F85930)	1	240 V	LC	12,14	2194 A	3/4"C, 2#8, #10G	6.38	24 A	27 A	SEE NOTES FOR RECEPTACLE CONFIGURATION	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE. VERIFY NEMA CONFIGURATION OF PLUG PRIOR TO ROUGH-IN.
E21	ASPHALT IGNITION OVEN (F85930)	1	240 V	LC	11,13	2453 A	3/4"C, 2#8, #10G	6.38	24 A	27 A	SEE NOTES FOR RECEPTACLE CONFIGURATION	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE. VERIFY NEMA CONFIGURATION OF PLUG PRIOR TO ROUGH-IN.
E22	SCALE	1	120 V	LB	46	1989 A	3/4"C, 1#12, #12N, #12G	0.24	2 A	2 A	DUPLEX RECEPTACLE	-	POWERED BY GEN. ELEC. CIRCUIT AT LAB STATION, REFER FIRST FLOOR-POWER FOR MORE INFORMATION.
E22	SCALE	1	120 V	LB	52	2832 A	3/4"C, 1#12, #12N, #12G	0.24	2 A	2 A	DUPLEX RECEPTACLE	-	POWERED BY GEN. ELEC. CIRCUIT AT LAB STATION, REFER FIRST FLOOR-POWER FOR MORE INFORMATION.
E22	SCALE	1	120 V	LB	44	1944 A	3/4"C, 1#12, #12N, #12G	0.24	2 A	2 A	DUPLEX RECEPTACLE	-	POWERED BY GEN. ELEC. CIRCUIT AT LAB STATION, REFER FIRST FLOOR-POWER FOR MORE INFORMATION.
E22	SCALE	1	120 V	LB	12	1513 A	3/4"C, 1#12, #12N, #12G	0.24	2 A	2 A	DUPLEX RECEPTACLE	-	POWERED BY GEN. ELEC. CIRCUIT AT LAB STATION, REFER FIRST FLOOR-POWER FOR MORE INFORMATION.
E22	SCALE	1	120 V	LB	60	1219 A	3/4"C, 1#12, #12N, #12G	0.24	2 A	2 A	DUPLEX RECEPTACLE	-	POWERED BY GEN. ELEC. CIRCUIT AT LAB STATION, REFER FIRST FLOOR-POWER FOR MORE INFORMATION.
E22	SCALE	1	120 V	LB	61	1487 A	3/4"C, 1#12, #12N, #12G	0.24	2 A	2 A	DUPLEX RECEPTACLE	-	POWERED BY GEN. ELEC. CIRCUIT AT LAB STATION, REFER FIRST FLOOR-POWER FOR MORE INFORMATION.
E27	FINE SIEVE MACHINE	1	120 V	LB	65	1876 A	3/4"C, 1#12, #12N, #12G	1.44	11 A	12 A	DUPLEX RECEPTACLE	-	POWERED BY GEN. ELEC. CIRCUIT AT LAB STATION, REFER FIRST FLOOR-POWER FOR MORE INFORMATION.
E27	FINE SIEVE MACHINE	1	120 V	LB	66	1444 A	3/4"C, 1#12, #12N, #12G	1.44	11 A	12 A	DUPLEX RECEPTACLE	-	POWERED BY GEN. ELEC. CIRCUIT AT LAB STATION, REFER FIRST FLOOR-POWER FOR MORE INFORMATION.
E27	FINE SIEVE MACHINE	1	120 V	LB	69	1175 A	3/4"C, 1#12, #12N, #12G	1.44	11 A	12 A	DUPLEX RECEPTACLE	-	POWERED BY GEN. ELEC. CIRCUIT AT LAB STATION, REFER FIRST FLOOR-POWER FOR MORE INFORMATION.
E27	FINE SIEVE MACHINE	1	120 V	LB	71	1571 A	3/4"C, 1#12, #12N, #12G	1.44	11 A	12 A	DUPLEX RECEPTACLE	-	POWERED BY GEN. ELEC. CIRCUIT AT LAB STATION, REFER FIRST FLOOR-POWER FOR MORE INFORMATION.
E27	FINE SIEVE MACHINE	1	120 V	LB	70	2116 A	3/4"C, 1#12, #12N, #12G	1.44	11 A	12 A	DUPLEX RECEPTACLE	-	POWERED BY GEN. ELEC. CIRCUIT AT LAB STATION, REFER FIRST FLOOR-POWER FOR MORE INFORMATION.
E27	FINE SIEVE MACHINE	1	120 V	LB	73	3199 A	3/4"C, 1#12, #12N, #12G	1.44	11 A	12 A	DUPLEX RECEPTACLE	-	POWERED BY GEN. ELEC. CIRCUIT AT LAB STATION, REFER FIRST FLOOR-POWER FOR MORE INFORMATION.
E28	GILSON SIEVE MACHINE (TS-2)	1	120 V	LB	14	6470 A	3/4"C, 1#12, #12N, #12G	1.44	11 A	12 A	DUPLEX RECEPTACLE	-	POWERED BY GEN. ELEC. CIRCUIT AT LAB STATION, REFER FIRST FLOOR-POWER FOR MORE INFORMATION.
E28	GILSON SIEVE MACHINE (TS-2)	1	120 V	LB	63	2458 A	3/4"C, 1#12, #12N, #12G	1.44	11 A	12 A	DUPLEX RECEPTACLE	-	POWERED BY GEN. ELEC. CIRCUIT AT LAB STATION, REFER FIRST FLOOR-POWER FOR MORE INFORMATION.
E28	GILSON SIEVE MACHINE (TS-2)	1	120 V	LB	64	1764 A	3/4"C, 1#12, #12N, #12G	1.44	11 A	12 A	DUPLEX RECEPTACLE	-	POWERED BY GEN. ELEC. CIRCUIT AT LAB STATION, REFER FIRST FLOOR-POWER FOR MORE INFORMATION.
E28	GILSON SIEVE MACHINE (TS-2)	1	120 V	LB	24	3176 A	3/4"C, 1#12, #12N, #12G	1.44	11 A	12 A	DUPLEX RECEPTACLE	-	POWERED BY GEN. ELEC. CIRCUIT AT LAB STATION, REFER FIRST FLOOR-POWER FOR MORE INFORMATION.
E28	GILSON SIEVE MACHINE (TS-2)	1	120 V	LB	68	2106 A	3/4"C, 1#12, #12N, #12G	1.44	11 A	12 A	DUPLEX RECEPTACLE	-	POWERED BY GEN. ELEC. CIRCUIT AT LAB STATION, REFER FIRST FLOOR-POWER FOR MORE INFORMATION.
E28	GILSON SIEVE MACHINE (TS-2)	1	120 V	LB	67	1379 A	3/4"C, 1#12, #12N, #12G	1.44	11 A	12 A	DUPLEX RECEPTACLE	-	POWERED BY GEN. ELEC. CIRCUIT AT LAB STATION, REFER FIRST FLOOR-POWER FOR MORE INFORMATION.
E31	DESPATCH OVEN (LBB2-27-1)	1	240 V	LC	20,22	2764 A	3/4"C, 2#10, #10G	4.80	20 A	22 A	FUSED	NEMA 1	
E32	GRIEVES OVEN (SA-400)	3	240 V	LC	1,3,5	3413 A	3/4"C, 3#8, #10G	12.06	26 A	29 A	FUSED	NEMA 1	
E33	GRIEVES OVEN (343)	3	240 V	LC	7,9,11	2838 A	3/4"C, 3#10, #10G	8.74	19 A	21 A	FUSED	NEMA 1	
E34	PINE GYRATORY COMPACTOR	1	120 V	LB	23	1286 A	3/4"C, 1#12, #12N, #12G	1.44	11 A	12 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E35	TROXLER GYRATORY MACHINE (5850)	1	120 V	LB	25	1411 A	3/4"C, 1#12, #12N, #12G	1.20	9 A	10 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E36	NEW "CT" CRACK TESTING MACHINE	1	120 V	LB	21	4226 A	3/4"C, 1#12, #12N, #12G	1.44	11 A	12 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E37	CONCRETE HYDRAULIC COMPRESSION F-25-EXE-DRS00	1	120 V	LB	72	4253 A	3/4"C, 1#12, #12N, #12G	0.60	5 A	5 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E40	SCALE	1	120 V	LB	28	0 A	3/4"C, 1#12, #12N, #12G	0.24	2 A	2 A	DUPLEX RECEPTACLE	-	POWERED BY GEN. ELEC. CIRCUIT THIS AREA, REFER FIRST FLOOR-POWER FOR MORE INFORMATION.
E45	MECH. WASHER	1	120 V	LB	7	6464 A	3/4"C, 1#12, #12N, #12G	1.56	12 A	13 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E45	MECH. WASHER	1	120 V	LB	5	5845 A	3/4"C, 1#12, #12N, #12G	1.56	12 A	13 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E45	MECH. WASHER	1	120 V	LB	11	6434 A	3/4"C, 1#12, #12N, #12G	1.56	12 A	13 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E45	MECH. WASHER	1	120 V	LB	9	5808 A	3/4"C, 1#12, #12N, #12G	1.56	12 A	13 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E45	MECH. WASHER	1	120 V	LB	15	4388 A	3/4"C, 1#12, #12N, #12G	1.56	12 A	13 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E45	MECH. WASHER	1	120 V	LB	13	4098 A	3/4"C, 1#12, #12N, #12G	1.56	12 A	13 A	DUPLEX RECEPTACLE	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE.
E47	ASPHALT IGNITION OVEN	1	240 V	LC	24,26	4374 A	3/4"C, 2#8, #10G	6.38	24 A	27 A	SEE NOTES FOR RECEPTACLE CONFIGURATION	-	PROVIDE DEDICATED CIRCUIT AND POWER RECEPTACLE. VERIFY NEMA CONFIGURATION OF PLUG PRIOR TO ROUGH-IN.

OWNER PROVIDED EQUIPMENT SCHEDULE NOTE

A. COORDINATE ALL FINAL MOUNTING LOCATIONS OF OWNER PROVIDED EQUIPMENT PRIOR TO FINAL ROUGHIN OF ELECTRICAL DEVICES/EQUIPMENT.
B. SIZE FUSES PER MANUFACTURER RECOMMENDATIONS.
C. COORDINATE FINAL REQUIREMENTS WITH SUBMITTED AND APPROVED EQUIPMENT. PROVIDE UPDATED EQUIPMENT SELECTIONS, BREAKERS, AND/OR CONDUCTOR SIZES BASED UPON DEVIATIONS FROM BASIS OF DESIGN. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO SUBMITTING SUBMITTALS. COORDINATE LOCATION PRIOR TO ROUGH-IN.

SPECIAL RECEPTACLE SCHEDULE

SUBSCRIPT	VOLTS	MANUFACTURER	MODEL	DESCRIPTION	GENERAL NOTES
EWC	120 V/1-180 VA			GFCI RATED POWER RECEPTACLE	COORDINATE LOCATION WITH EQUIPMENT AND MOUNT BEHIND EWC.
FB1	<varies>	HUBBELL	GFB4G30CR CFBST18CVRALU	IN-GRADE BOX 4 GANG FLOOR BOX WITH (2)5-20R DUPLEX RECEPTACLES AND (1) LOW-VOLTAGE ROUGH-INS	PROVIDE (1) 1" CONDUIT (PWR) AND (1) 1-1/2" CONDUIT (DATA) FROM FLOORBOX TO ACCESSIBLE CEILING VIA MAIN WALL OF ROOM.
TV	120 V/1-500 VA	LEGRAND	TV3WTVSS	WALL MOUNTED RECESSED POWER/AV DEVICE INCLUDING (2) DUPLEX RECEPTACLES, (2) DATA ROUGH-INS, PROVIDE 1 1/4" CONDUIT FROM BOX TO ABOVE ACCESSIBLE CEILING. PROVIDE AV MOUNTING PLATE AND COVER WITH BOX.	COORDINATE FINAL MOUNTING HEIGHT WITH ARCHITECT AND FINAL LOW VOLTAGE TERMINATIONS WITH OWNER.

LIGHTING FIXTURE SCHEDULE

CALL OUT	LIGHT SOURCE LUMENS	CCT	CRI	VA	VOLT	DESCRIPTION	MOUNTING	MANUFACTURER	CATALOG NUMBER	POLE	GENERAL NOTES
A2	2107	4000K	80CRI	15 W	277 V	2X2 LED CENTER BLADE	RECESSED, GRID	METALUX	22SR-LD2-20-C-UNV-840-CD-1		-
BL	4191	4000K	70CRI	53 W	277 V	BOLLARD TYPE LIGHT FIXTURE	BOLLARD	LUMINIS	LN601B-L1L40-VWD-H24-40K-MVOLT-FS-SP-XX-XX-BKT-MG-L/AB		PROVIDE 12" SQUARE X 24" DEEP CONCRETE MOUNTING BASE.
C2	1537	4000K	90CRI	21 W	277 V	2" AIMABLE PENDANT	PENDANT	GOTHAM	EVO2PTRC-40-15-BR-LSS-WD-MVOLT-UGZ-SCB-PCAN-S4-90CRI-DBL-		
D1	597	4000K	80CRI	6 W	277 V	4" DOWNLIGHT	RECESSED	LITHONIA	LBR4-NCH-ALO1-SWW7-AR-LSS-WD-MVOLT-UGZ		-
D2	948	4000K	80CRI	9 W	277 V	6" DOWNLIGHT	RECESSED	LITHONIA	LBR6-NCH-ALO1-SWW1-AR-TRW-LSS-WD-MVOLT-UGZ		-
D3	1330	4000K	80CRI	13 W	277 V	6" DOWNLIGHT	RECESSED	LITHONIA	LBR6-NCH-ALO1-SWW1-AR-TRW-LSS-WD-MVOLT-UGZ		
D4	2693	4000K	80CRI	26 W	277 V	6" DOWNLIGHT - WET LISTED	RECESSED	LITHONIA	LBR6-NCH-ALO2-SWW1-TCPC-FCPC-LSS-WD-MVOLT-UGZ-WL		
G4	5076	4000K	80CRI	35 W	277 V	LENSED UTILITY STRIP	CHAIN HUNG	LITHONIA	CSS-L48-ALO3-MVOLT-SWW5-80CRI		
SS	20485	4000K	70CRI	165 W	480 V	SINGLE HEAD LIGHT POLE FIXTURE (TYPE 4)	POLE	LITHONIA	DSX1-LED-P6-40K-70CRI-T4M-480-SPA-DBLXD	SSS-22FT-4C-DM19AS-DBLXD	PROVIDE 22 FT. SQUARE POLE ON CONCRETE BASE. PROVIDE APPROPRIATE POLE SIZED FOR LIGHT FIXTURE TYPES, QUANTITIES, AND WIND LOAD.
SF	200	4000K	70CRI		120 V	SOLAR LED TRI-HEAD FLAGTOP POLE LIGHT	POLE	LUMEGEN	LG-FLG-TOP-3H-CCT		
WD	2062	4000K	80CRI	19 W	277 V	WALL SCONCE	WALL	LITHONIA	WDGE2-LD-P2-40K-80CRI-T3M-MVOLT-SRM-DBLXD		
WP	2292	4000K	80CRI	16 W	277 V	WALLPACK	WALL MOUNTED	LITHONIA	TWR1-LED-AL0-SWW2-UVOLT-PE-BLACK		VERIFY COLOR / FINISH WITH OWNER / ARCHITECT PRIOR TO ORDERING.
X1	-	-	-	5 W	277 V	EDGELIT SINGLE FACE EXIT SIGN	UNIVERSAL	LITHONIA	EDG-W-1-G		PROVIDE UNIVERSAL MOUNTING AND CONFIRM ARROW DIRECTIONS PRIOR TO ORDERING.
X2	-	-	-	5 W	277 V	EDGELIT DOUBLE FACE EXIT SIGN	UNIVERSAL	LITHONIA	EDG-W-2-G		PROVIDE UNIVERSAL MOUNTING AND CONFIRM ARROW DIRECTIONS PRIOR TO ORDERING.
X3	-	-	-	5 W	277 V	EDGELIT SINGLE FACE EXIT SIGN, STEM MOUNT	STEM	LITHONIA	EDG-W-1-G-ELA US18		PROVIDE UNIVERSAL MOUNTING AND CONFIRM ARROW DIRECTIONS PRIOR TO ORDERING. PROVIDE STEM KIT, VERIFY LENGTHS REQUIRED PRIOR TO ORDERING.

LIGHTING FIXTURE NOTES

1. SPECIFIED FIXTURES INDICATE DESIGN INTENT. SUBSTITUTIONS ARE WELCOME. NO PRE-APPROVAL REQUIRED. ENGINEER WILL REVIEW ONE LIGHTING SUBMITTAL PACKAGE DURING SUBMITTAL PHASE. IF SUBSTITUTIONS ARE DEEMED NOT EQUAL TO SPECIFIED FIXTURE, CONTRACTOR SHALL PROVIDE SPECIFIED FIXTURE.
2. SEE ARCHITECTURAL PLANS FOR ADDITIONAL LIGHTING INFORMATION - ELEVATIONS, CEILING HEIGHTS, CEILING TYPES, DETAILS, ETC.

LIGHTING FIXTURE SCHEDULE (SPECIALTY)

CALL OUT	LIGHT SOURCE LUMENS	CCT	CRI	VA	VOLT	DESCRIPTION	MOUNTING	MANUFACTURER	CATALOG NUMBER	GENERAL NOTES
B	1241	4000K	80CRI	20 W	277 V	SQUARE 2" DOWNLIGHT	RECESSED	USAI LIGHTING	S2SC-F-20V2M-40K5-50-P1-AS61-WH-WH-RT-UNV-D6E	
C4	808	4000K	80CRI	8 W	277 V	4' ROUND CYLINDER PENDANT	PENDANT	GOTHAM	EVO4CC-40/07-AR-LSS-WD-MVOLT-GZ10-JBXCC-CCAN-C120-DWHG	
CL	1282	4000K	80CRI	9 W	277 V	SMALL YOKE MOUNTED CYLINDER SPOT PROJECTOR	SURFACE	TARGETTI	DRS-41-BL-L2-SP-40 / 1E4004-BL / 1US3015-BL	E.C. TO COORDINATE MOUNTING AND DIRECTION OF FIXTURE TO PROVDIE ADEQUATE COLUMN ELLUMINATION.
F	7250	4000K	80CRI	50 W	277 V	42" X 11' RECTANGLE PENDANT	PENDANT	AXIS LIGHTING	ED2PAT-R-(3.5X11)-I-250-80-40-UB-EX-W-D-UNV-DP-1-CA6	
H	4225/LFT	4000K	80CRI	40 W	277 V	4" RECESSED LINEAR WALL GRAZER	RECESSED	A-LIGHT	ACL9-MX-C425-440-CRI80-U-HE-G-W-D	REFER ACRHITECTURAL DRAWINGS FOR EXACT LIGHT FIXTURE LENGTHS REQUIRED PRIOR TO ORDERING.
K	2712	4000K	80CRI	40 W	277 V	8 FT. RECESSED LINEAR, WET LISTED	RECESSED	A-LIGHT	ACL5-8-LS-40-80CRI-U-BW-XP-B-D-EX-PF-Q	
L	500L/FT	4000K	80CRI	35 W	277 V	2.5" x 6"+ RECESSED LINEAR	RECESSED	AXIS LIGHTING	B2SQRLED-500-80-40-BW-S(XX)DMLED(XX)-W-UNV-DP-1-DF-FW	VERIFY COLOR / FINISH WITH OWNER / ARCHITECT PRIOR TO ORDERING. FIXTURE COLOR TO MATCH STRUCTURE. VERIFY EXACT FIXTURE LENGTHS WITH STRUCTURAL BEAM PRIOR TO ORDERING.
ME	4242	4000K	90CRI	47 W	277 V	LINEAR MULLOIN MOUNT LIGHT FIXTURE	SURFACE, WALL	A-LIGHT	LIN-3-SP-M6-LH-40-CRI-U-ASY-M-B-D	
N1	275/1007	4000K	84CRI	15 W	277 V	DIRECT/INDIRECT WALL SCONCE	WALL MOUNTED	FC LIGHTING	FCW1500-UNV-4K-CRI84-BKE-U3080/3L-D3080/10L	-
P4O	400L/FT	4000K	80CRI	32 W	277 V	4 FT. DIRECT ACOUSTICAL PENDANT, ORANGE	PENDANT	AXIS LIGHTING	SSZ-S4-12-NI-400-NE-80-40-CUSBUR-UNV-MD-1-CASL6-RC	COORDINATE EXACT COLOR/FINISH WITH OWNER/ARCHITECT PRIOR TO ORDERING.
P4W	400L/FT	4000K	80CRI	32 W	277 V	4 FT. DIRECT ACOUSTICAL PENDANT, WHITE	PENDANT	AXIS LIGHTING	SSZ-S4-12-NI-400-NE-80-40-CUSMAR-UNV-MD-1-CASL6-RC	COOR

SITE PLAN NOTES

A. REFERENCE CIVIL UTILITY PLAN FOR PRIMARY POWER ROUTE AND ADDITIONAL INFORMATION.
B. COORDINATE ALL UNDERGROUND INSTALLATIONS WITH EXISTING UTILITIES AND OTHER TRADES PRIOR TO INSTALL.
C. ALL UNDERGROUND CONDUIT SHALL BE A MINIMUM OF 1".
D. UTILIZE RIGID ELLS AND RISERS FOR ALL SITE CONDUIT GREATER THAN 1".
E. EXTERIOR LIGHTING TO BE CONTROLLED VIA PHOTOCELL. PHOTOCELL TO BE MOUNTED ON ROOF AND POINTED NORTH.
F. PROVIDE REMOTE ANNUNCIATOR "GAP" FOR GENSET, ANNUNCIATOR TO BE LOCATED IN A MONITORED AREA.
G. PROVIDE ONE (1) SPARE 2" CONDUIT FROM THE INTERIOR ELECTRICAL ROOM TO THE GENERATOR PAD.
H. GENSET DOCKING STATION TO BE PROVIDED WITH 4-HOUR LOAD BANK TEST.
I. REFER SHEET "E003" FOR LIGHT FIXTURE SCHEDULE.

KEYNOTES

X1 PROVIDE AND INSTALL NEMA 3R, TIER 15 WEATHERPROOF QUAZITE 24" X 24" COMM. PULLBOX. COORDINATE LOCATION OF PULLBOX WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.

X2 PROVIDE AND INSTALL QTY. (2)-4" UNDERGROUND COMM. CONDUITS, COORDINATE ROUTING WITH OTHER TRADES.

X3 EXTEND CONDUIT TO COMMUNICATION UTILITY EASEMENT CONNECTION POINT, VERIFY FINAL LOCATION PRIOR TO ROUGH-IN.

X4 NEW 480Y/277V, UTILITY TRANSFORMER, METER AND METER RACK TO BE INSTALLED ADJACENT TO THE TRANSFORMER. UTILITY TRANSFORMER CLEARANCES TO BE MET DURING INSTALL (10' AT FRONT AND 5' AT SIDE AND REAR) COORDINATE EXACT LOCATION AND CONDUIT ROUTING WITH OSU ENERGY SERVICES.

1

X5 APPROXIMATE LOCATION OF EXISTING ELECTRICAL VAULT TO BE USED IN ROUTING OF NEW ELECTRICAL SERVICE TO NEW UTILITY TRANSFORMER. REFER CIVIL DRAWINGS FOR MORE INFORMATION.

X6 PROVIDE NEW 16" x 24" CONCRETE DUCT BANK WITH (2)-4" CONDUITS FROM THE SOUTH WALL OF THE EXISTING EAST ELECTRICAL VAULT TO THE EAST WALL OF EXISTING WEST ELECTRICAL VAULT (REFER CIVIL DRAWINGS FOR MORE INFORMATION). EXISTING DUCTBANK FROM EXISTING WEST ELECTRICAL VAULT TO 15KV SWITCH TO BE USED FOR THIS PROJECT, FIELD COORDINATE EXISTING ROUTING PRIOR TO ROUGH-IN.

X7 PROVIDE SOLAR FLAGTOP LED LIGHT FIXTURE, REFER LIGHTING SCHEDULE FOR MORE INFORMATION.

X8 PROVIDE AND INSTALL NEW 480V/3P, 50KW/63KVA NATURAL GAS GENERATOR. BASIS OF DESIGN IS TYPE GENERAC, MODEL SG050T. GENERATOR TO BE INSTALLED WITH SOUND ATTENUATED WEATHERPROOF ENCLOSURE.

X9 PROVIDE AND INSTALL DEDICATED (2)-1" CONDUITS FROM GENERATOR ANNUNCIATOR PANEL "GAP" TO GENSET PAD FOR GENSET COMM. CABLING.

X10 REFER TO CIVIL UTILITY PLANS AND COORDINATE FOR TRENCHING AND ROUTING OF ELECTRICAL CONDUIT. E.C. TO PROVIDE INSTALLATION PER OSU ENERGY UTILITY REQUIREMENTS. INCLUDE COSTS FOR ELECTRIC SERVICE INSTALLATION IN BASE BID. PROVIDE AND INSTALL TRENCH, (OUTSIDE OF BUILD FOOTPRINT TO BE CONCRETE ENCASED) CONDUIT, LONG-SWEEP ELBOWS, SECONDARY CONDUCTORS, PULL STRINGS, JUNCTION BOXES, CONDUCTOR SLACK, METER BOX INSTALLATION, PAD-MOUNT TRANSFORMER PAD, AND OTHER ITEMS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM PER OSU ENERGY UTILITY REQUIREMENTS AND STANDARDS.

1

X11 PROVIDE NEW 16" x 24" CONCRETE DUCT BANK WITH (2)-4" CONDUITS FROM THE EAST WALL OF THE EXISTING EAST ELECTRICAL VAULT TO THE TO THE NEW UTILITY TRANSFORMER MOUNTING LOCATION SERVING THE NEW BUILDING.

1 ELECTRICAL SITE PLAN

SCALE : 1" = 20'-0"

CEC CORPORATION

OKLAHOMA Transportation

LICENSED PROFESSIONAL ENGINEER ANDREW J. PRITCHARD 27484 01/23/26 OKLAHOMA

REVISION HISTORY		
NO.	DESCRIPTION	DATE
1	ADDENDUM 2	01/22/2026

SUBMITTAL:	CONSTRUCTION DOCUMENTS
DATE:	09/12/2025
PROJECT NO:	221001
DESIGNED BY:	DN
DRAWN BY:	DN
REVIEWED BY:	AP
SCALE:	AS INDICATED

ODOT OSU MULTIPUPOSE FACILITY

STILLWATER, OK

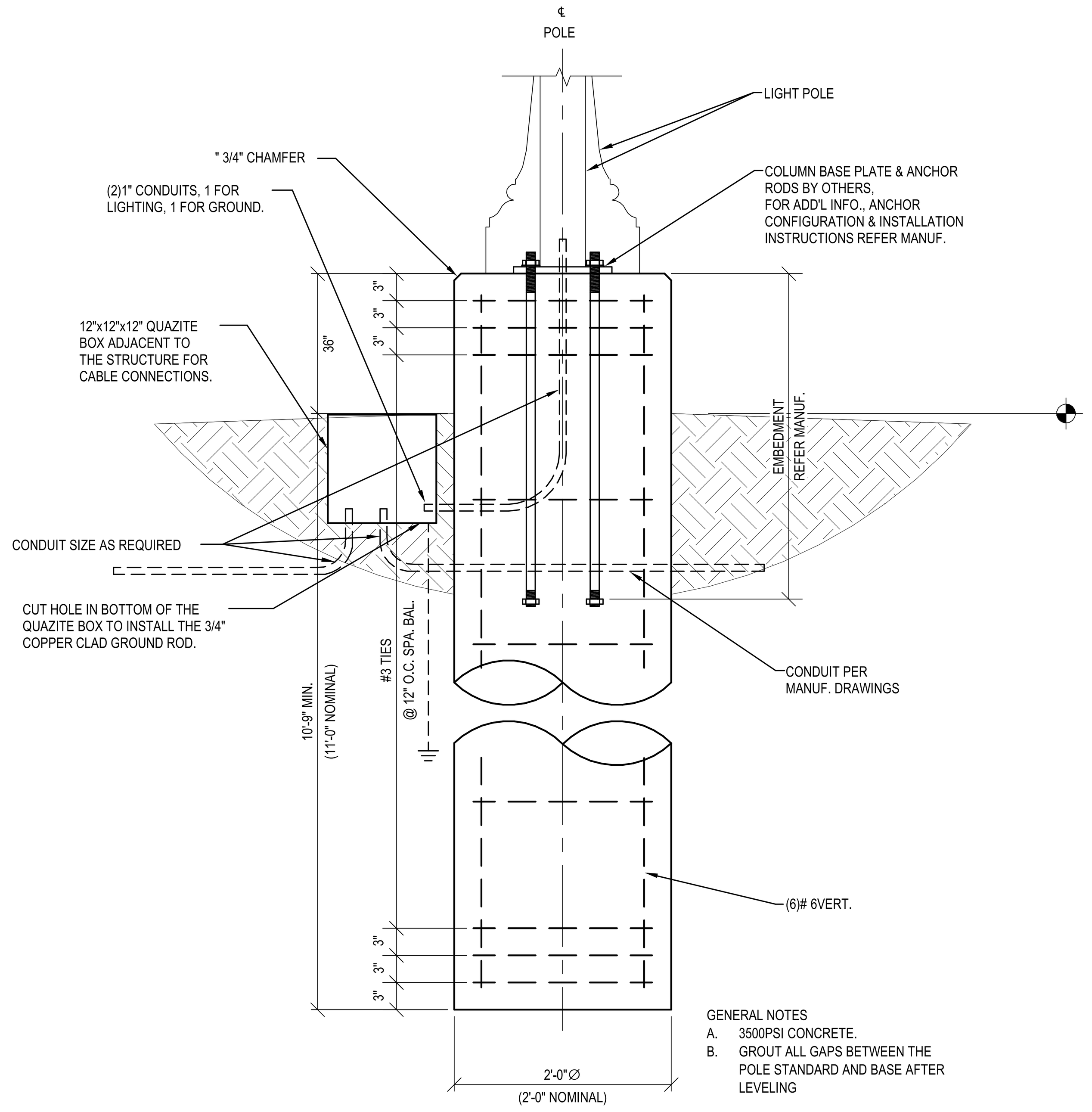
SHEET

ELECTRICAL SITE PLAN

SHEET

E100

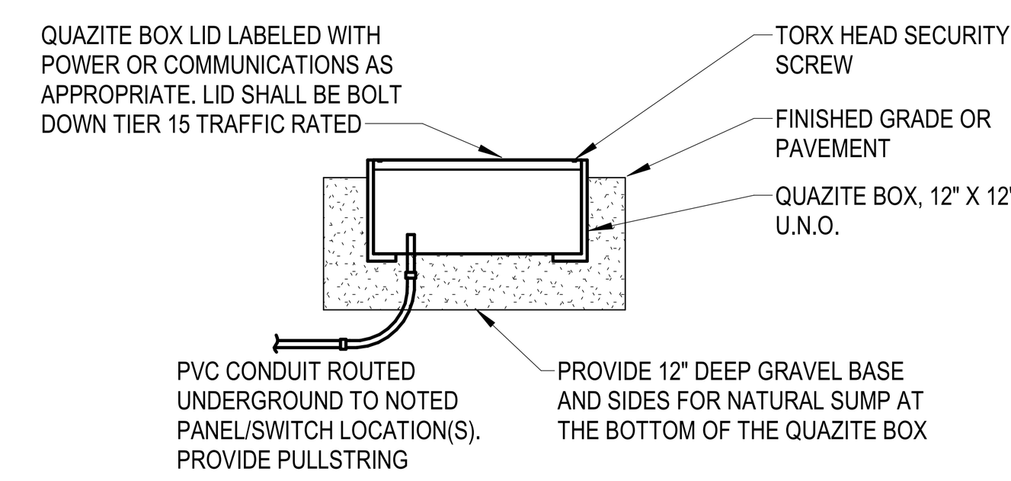
PLOT DATE: 1/23/2026 6:50:57 AM



GENERAL NOTES
A. 3500PSI CONCRETE.
B. GROUT ALL GAPS BETWEEN THE POLE STANDARD AND BASE AFTER LEVELING

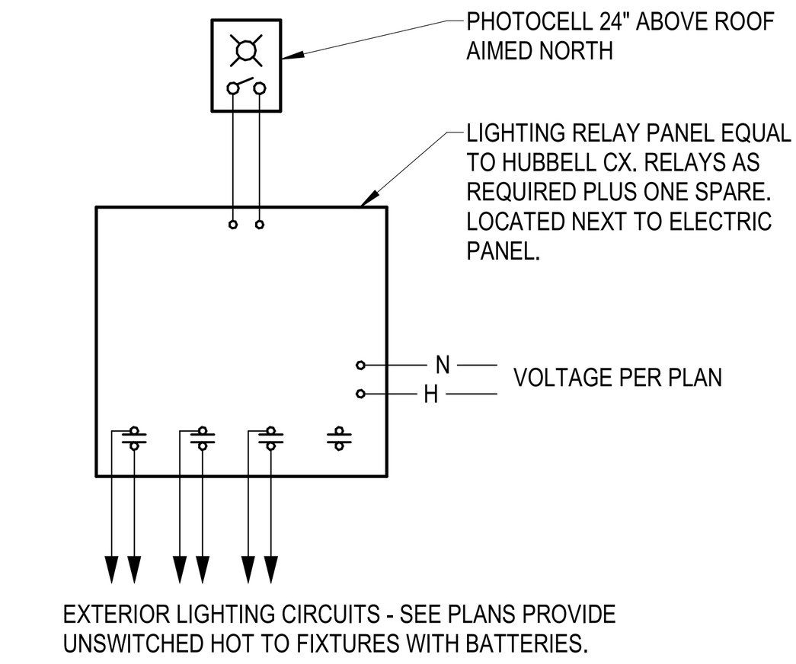
(WITH BOLLARD)

1 LIGHTING POLE BASE DETAIL - 36" AFG
SCALE : NOT TO SCALE

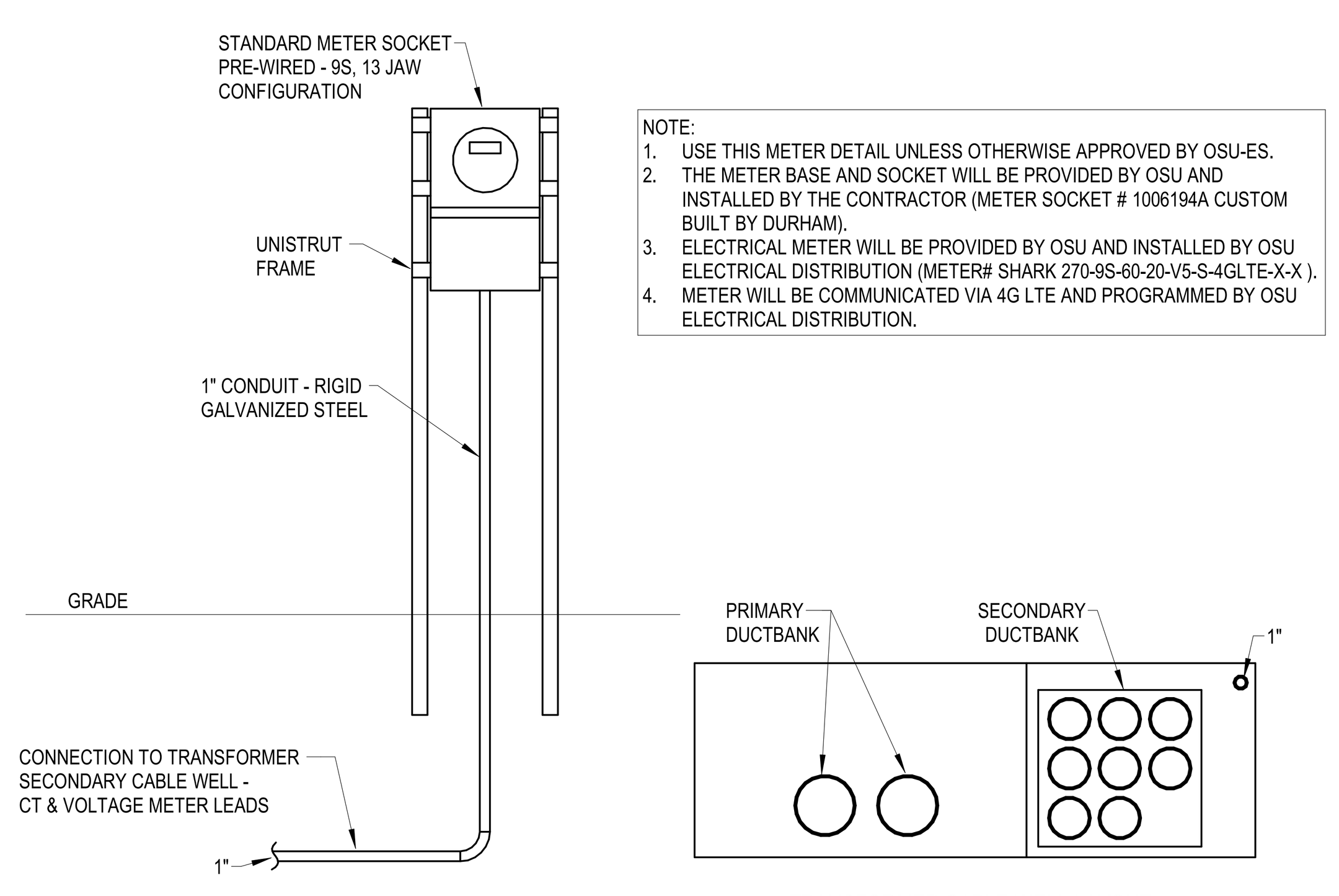


GENERAL NOTES:
A. PROVIDE EVERY 300 FEET AND/OR EVERY 270 DEGREES OF CONDUIT BEND FOR ALL SITE CONDUIT.

2 EXTERIOR POWER/DATA HANDHOLE
SCALE : NOT TO SCALE

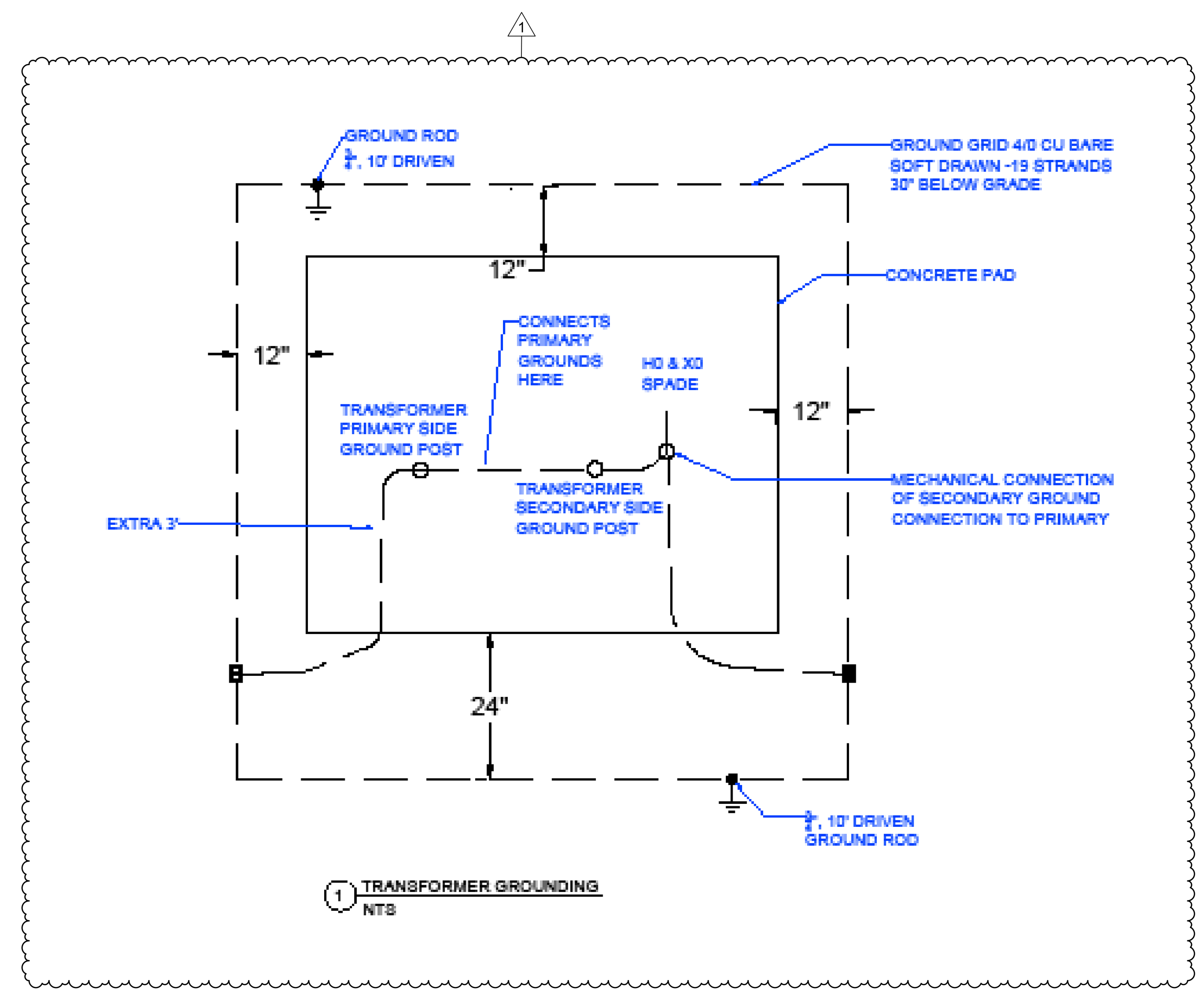


3 EXTERIOR LIGHTING CONTROL SCHEMATIC
SCALE : NOT TO SCALE



NOTE:
1. USE THIS METER DETAIL UNLESS OTHERWISE APPROVED BY OSU-ES.
2. THE METER BASE AND SOCKET WILL BE PROVIDED BY OSU AND INSTALLED BY THE CONTRACTOR (METER SOCKET # 1006194A CUSTOM BUILT BY DURHAM).
3. ELECTRICAL METER WILL BE PROVIDED BY OSU AND INSTALLED BY OSU ELECTRICAL DISTRIBUTION (METER# SHARK 270-9S-60-20-V5-S-4GLTE-X-X).
4. METER WILL BE COMMUNICATED VIA 4G LTE AND PROGRAMMED BY OSU ELECTRICAL DISTRIBUTION.

4 METER PEDESTAL WITH METER BASE
SCALE : NOT TO SCALE



1 TRANSFORMER GROUNDING
NTS

CEC
CEC CORPORATION
WWW.CONNECTCEC.COM
OK CA#: 32 EXP.: 2026-06-30

OKLAHOMA Transportation

LICENSED PROFESSIONAL ENGINEER
ANDREW J. PRITCHARD
27484
01/23/26
OKLAHOMA

SUBMITTAL:	CONSTRUCTION DOCUMENTS
DATE:	09/12/2025
PROJECT NO:	221001
DESIGNED BY:	DN
DRAWN BY:	DN
REVIEWED BY:	AP
SCALE:	AS INDICATED

REVISION HISTORY

NO.	DESCRIPTION	DATE
1	ADDENDUM 2	01/22/2026

ODOT OSU MULTIPURPOSE FACILITY
STILLWATER, OK

SHEET
ELECTRICAL DETAILS

SHEET
E602

PLOT DATE: 1/23/2026 8:50:57 AM

PLUMBING REVISION SUMMARY – Addendum #2

Project: ODOT OSU Multipurpose Facility
Project No.: 221001
Revision Date: January 23, 2026

This summary is provided for the sole purpose of assisting the project team in understanding the revisions to the Contract Documents made by CEC. In no way is this to be considered an exhaustive list. The contractor shall remain responsible for reviewing and conforming to the Contract Documents.

DRAWING REVISION SUMMARY

PLUMBING
P3.0 CW/ HW & GAS PLUMBING PLAN

1. CW entry to building changed to 4" from 2".
2. FPWH on east side changed location.

END OF SUMMARY

CIVIL REVISION SUMMARY – Addendum #2

Project: ODOT OSU Multipurpose Facility
Project No.: 221001
Revision Date: January 23, 2026

This summary is provided for the sole purpose of assisting the project team in understanding the revisions to the Contract Documents made by CEC. In no way is this to be considered an exhaustive list. The contractor shall remain responsible for reviewing and conforming to the Contract Documents.

DRAWING REVISION SUMMARY

CIVIL

C201 SITE PLAN WEST

1. Removed retaining wall callouts (no retaining wall on project.)
2. Updated pavement hatches around building and legend.
3. Added flagpole area

C202 SITE PLAN EAST

1. Removed retaining wall callouts (no retaining wall on project.)
2. Updated pavement hatches around building and legend.
3. Added flagpole area

C301 GRADING PLAN WEST

1. Updated grading to reflect flagpole area

C301 GRADING PLAN EAST

1. Updated grading to reflect flagpole area

C600 CIVIL SITE DETAILS

1. Added Decomposed Granite detail.

END OF SUMMARY

PLUMBING REVISION SUMMARY – Addendum #2

Project: ODOT OSU Multipurpose Facility
Project No.: 221001
Revision Date: January 23, 2026

This summary is provided for the sole purpose of assisting the project team in understanding the revisions to the Contract Documents made by CEC. In no way is this to be considered an exhaustive list. The contractor shall remain responsible for reviewing and conforming to the Contract Documents.

DRAWING REVISION SUMMARY

Electrical

E001 ELECTRICAL COVER SHEET
1. Revised "Electrical Utility Responsibility Matrix Pad Mounted" detail per OSU utility comments.

E002 ELECTRICAL ONE-LINE DIAGRAM & SCHEDULES
1. Revised conduit size per OSU utility comments.

E002 ELECTRICAL SCHEDULES
1. Revised light fixture part # and comments.

E100 ELECTRICAL SITE PLAN
1. Revised keynotes #5 and #6 per and added keynote #11 per OSU utility comments.

E602 ELECTRICAL DTAILS
1. Revised "Transformer Grounding" detail per OSU utility comments.

END OF SUMMARY

SECTION 10 1400
SIGNAGE

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Room and door signs.

B. Building identification signs.

1.02 REFERENCE STANDARDS

A. 36 CFR 1191 - Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities; Architectural Barriers Act (ABA) Accessibility Guidelines; current edition.

B. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.

C. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2017.

1.03 SUBMITTALS

A. See Section 01 3300 - Submittal Procedures, for submittal procedures.

B. Product Data: Manufacturer's printed product literature for each type of sign, indicating sign styles, font, foreground and background colors, locations, overall dimensions of each sign.

C. Signage Schedule: Provide information sufficient to completely define each sign for fabrication, including room number, room name, other text to be applied, sign and letter sizes, fonts, and colors.
   1. Submit for approval by Owner prior to fabrication.
   2. When room numbers to appear on signs differ from those on drawings, include the drawing room number on schedule.
   3. When content of signs is indicated to be determined later, request such information from Owner through Architect ; upon request, submit preliminary schedule.
   4. Submit for approval by Owner through Architect prior to fabrication.

D. Verification Samples: Submit samples showing colors specified.

E. Manufacturer's Installation Instructions: Include installation templates and attachment devices.

F. Manufacturer's Qualification Statement.

1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum years of experience.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Package signs as required to prevent damage before installation.

B. Package room and door signs in sequential order of installation, labeled by floor or building.

C. Store tape adhesive at normal room temperature.

1.06 FIELD CONDITIONS

A. Do not install tape adhesive when ambient temperature is lower than recommended by manufacturer.

B. Maintain this minimum temperature during and after installation of signs.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Flat Signs:
   1. Best Sign Systems, Inc: www.bestsigns.com.
   2. Cosco Industries: www.coscoarchitecturalsigns.com.

3. Mohawk Sign Systems, Inc: www.mohawksign.com.
4. Seton Identification Products: www.seton.com/aec.
5. Substitutions:

B. Dimensional Letter Signs:
1. FASTSIGNS: www.fastsigns.com/#sle.
2. Signage Inc.: https://signage.inc/
3. Signarama: www.signarama.com
4. Substitutions:

2.02 SIGNAGE APPLICATIONS

A. Accessibility Compliance: Signs are required to comply with ADA Standards and ICC A117.1 and applicable building codes, unless otherwise indicated; in the event of conflicting requirements, comply with the most comprehensive and specific requirements.

B. Room Signs: Provide a sign for the rooms specified below.
1. Sign Type: signs with panel media as specified.
2. Provide "tactile" signage, with letters raised minimum and Grade II braille.
3. Character Height:
4. Sign Height: , unless otherwise indicated.
5. Office Doors: Identify with room names and numbers to be determined later, not those indicated on drawings..
6. Conference and Meeting Rooms: Identify with room numbers to be determined later, not the numbers indicated on drawings.
7. Service Rooms: Identify with .
8. Rest Rooms: Identify with pictograms, the names "MEN" and "WOMEN", and braille.

C. Building Identification Signs:
1. Use individual face-lit channel letters.
2. Mount on outside wall in location indicated on drawings.

2.03 SIGN TYPES

A. Flat Signs: Signage media frame.
1. Edges:
2. Corners:
3. Wall Mounting of One-Sided Signs:

B. Color and Font: Unless otherwise indicated:
1. Character Font:
2. Character Case:
3. Background Color: As scheduled.
4. Character Color: As scheduled.

2.04 TACTILE SIGNAGE MEDIA

A. Engraved Panels: Laminated colored plastic; engraved through face to expose core as background color:
1. Total Thickness:

B. Applied Character Panels: Acrylic plastic base, with applied acrylic plastic letters and braille.
1. Total Thickness:
2. Letter Thickness:
3. Letter Edges:

2.05 DIMENSIONAL LETTERS

A. Metal Letters:
1. Metal:
2. Metal Thickness:

3. Letter Heights:
    a. Oklahoma Symbol Height: 49 inches.
    b. Oklahoma Letter Height: 15 inches.
    c. Transportation Letter Height: 12 inches.
4. Text and Typeface:
    a. Character Font:
    b. Character Case:
5. Finish:
6. Mounting: Tape adhesive and mounting screws as required. Consult signage manufacture and glazing system manufacturer prior to installation.

2.06 ACCESSORIES

A. Concealed Screws: Stainless steel, galvanized steel, chrome plated, or other non-corroding metal.

B. Tape Adhesive: Double sided tape, permanent adhesive.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that substrate surfaces are ready to receive work.

3.02 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Install neatly, with horizontal edges level.

C. Locate signs and mount at heights indicated on drawings and in accordance with ADA Standards and ICC A117.1.

D. Locate signs where indicated:
1. Room and Door Signs: Locate on wall with bottom of lowest tactile characters at a minimum 48" above finished floor, and bottom of highest tactile characters at a maximum of 60" above finished floor.
    a. Locate at latch side of door unless noted otherwise.

E. Protect from damage until Date of Substantial Completion; repair or replace damaged items.

END OF SECTION

Stillwater Res/OSU Multi-Purpose
Solicitation 26-FM-0010

QUESTIONS AND ANSWERS

Q 1: Would you please consider waiving the AWI Certification requirements for architectural wood casework as long the work complies with AWI specs? There is a very limited number of AWI companies in the area and it may not be possible to get any of them to bid.

A 1: Yes, but AWI Quality is expected.

Q 2: What is the stainless steel at 8/A6.1 and where all is this located?

A 2: The stainless steel is flashing or sheet metal. It's intended to be anywhere there is metal panel siding.

Q 3: Who provides and installs the furniture listed in the furniture schedule on A 10.4?

A 3: GC would procure. The awarded dealer would install.

Q 4: Spec 12 5100 Furniture, says we are to provide and install all the furniture listed in this spec and per drawing A10.1. A10.1 is the Finish Floor Plan with no furniture shown and the spec section does not have any info. Advise. A10.4 is the furniture schedule, however there are no manufacturers shown or model #'s listed. Advise.

A 4: See upcoming addendum.

Q 5: Are special inspections and material testing paid for by the Owner?

A 5:

Q 6: C201 & C202 show a landscape retaining wall but no other info is provided such as product, height, etc.?

A 6: The retaining wall was removed from the design. The callouts on C201 & C202 will be removed in upcoming Addendum.

Q 7: C201 & C202 show decorative pavers in the Legend, but is not shown on any site plans? It says to see Landscape Drawings, but there are no Landscape Drawings included?

A 7: Decorative pavers were removed from the design; however, some areas adjacent to the building will have decomposed granite. These areas will be noted on the site plans in upcoming Addendum.

Q 8: Are there landscape & irrigation drawings?

A 8: No. The area around the flagpoles is reserved for landscape with plantings to be determined between Owner and OSU.

Q 9: 8/A6.1 & 5/A6.2 shows decomposed granite with geotextile underlayment. Provide more details on where this is going on a site plan and how wide.

A 9: Civil site plans C201 and C202 were updated to show areas of decomposed granite. A detail was also provided. Material shall meet OSU landscape requirements for Desert Gold Chips.

Q 10: Can you provide cut sections on the interior concrete bench with wood slats shown on 15/A10.2? What is the wood slat material? How are they attached to the concrete?

A 10: See upcoming addendum.

Q 11: Are there to be flag poles? There is a spec and on the electrical drawings it shows flag pole lights, but there are none shown on any site plans.

A 11: (3) flagpoles remain in the project. South of the front parking spots.

Q 12: Are there to be flag poles? There is a spec and on the electrical drawings it shows flag pole lights, but there are none shown on any site plans.

A 12: see answer to question 11

Q 13: There is a spec 28 1000 Access Control, but it does not provide any info. Per the door hardware spec, there is only 1 door that is to receive access control. Who is providing & installing the access control hardware and system for this single door? If this is CFCI, provide specs.

A 13: Infrastructure by EC, devices OFOI.

Q 14: Provide a spec on the roof access ladders. There is no info in the specs. Are these pre-fab aluminum ladders or structural steel?

A 14: See upcoming addendum.

Q 15: There is a spec 09 6723 Resinous Flooring, but I do not see where this is used in the drawings?

A 15: Remove from specifications.

Q 16: Is the exterior building signage CFCI? If so, provide specs.

A 16: See upcoming addendum.

Q 17: Is the room ID signage CFCI? If so, provide a signage schedule.

A 17: See upcoming addendum.

Q 18: There are no toilet accessories called out on the drawings. Advise.

A 18: Refer to interior elevations and A0.1

Q 19: Is there a Geotech Report?

A 19: Yes. Geotechnical Report will be provided in upcoming Addendum.

Q 20: There are no specs for the site fence called out on C201 & C202 and it is not shown on the Arch. Drawings like it is referring to. Advise.

A 20: See upcoming addendum. Reference Specification 08 9200.

Q 21: On sheet A10.4, there is a "Furniture Schedule" that has a list of furniture, but only two items, the "existing conference table" and the "existing task chairs" show to be owner provided and installed. The other items seem to need to be provided by the contractor, but there is no information on each item listed. There is a spec, 12 5100, for "Furniture", but it doesn't list anything as far as specifics. Please advise as to whether the furniture is owner or contractor provided.

A 21: See Q 3 and Q 4.

Q 22: There is a metal roof ladder indicated on the drawings (sheet A2.0), but there are no details or any specs that I could find.

A 22: See Q 14.

Q 23: There is a spec for asphalt paving (32 1216), but no asphalt paving is indicated on the drawings – only heavy-duty concrete and light-duty concrete (sheet C200).

A 23: There is no asphalt paving on the project. Specification 32 1216 will be removed in upcoming Addendum.

Q 24: I am reaching out to confirm if a 3rd-party testing lab will be engaged for this project. If so, should our testing/inspections proposal be sent directly to ODOTBIDS@odot.ok.gov, or will the awarded general contractor be picking up the testing?

A 24: CEC will be performing the QA Testing for the project under our task order with the Department. Payment for any failed QA tests is the responsibility of the contractor per ODOT's Specification. The general contractor is responsible for any QC Testing. How the QC Testing is accomplished is between the GC and their subcontractors.

Q 25: On the civil demo sheets, there is reference to the existing fence being removed and replaced along the northern property line, but there are no specs for fencing. I did see a note on C201 and C202 indicating "Cityscapes Covrit 7.2 Rib Vertical Fence", but those notes also say "see architectural" but I didn't find anything in architectural. Is there additional information to come regarding the fencing?

A 25: See Q 20.

Q 26: Drawing A10.4 has a Furniture Schedule with furniture types and quantities. Specification section 12 5100 - Furniture, Section 2.01 Loose Furnishings, says to 'Refer to attached documents for specifications.' Where can I find the Manufacturers and Model Numbers/Names for the furniture on the Furniture Schedule/FFE Plan?

A 26: See Q 4.

Q 27: What acoustical ceiling tile is being used? The finish schedule doesn't call out what tile.

A 27: See Specification Section 095100.

Q 28: The Structural and Civil pages refer to a Geotechnical Report, but no Geotechnical Report was included. Please provide a Geotechnical Report for our reference.

A 28: See Q19.

Q 29: I don't find the geotech report anywhere in the documents provided. Can you please provide a copy of this report?

A 29: See Q19.

Q 30: I don't find a landscape plan in the drawings. Can you please provide this document?

A 30: Not provided. See Civil for seed/sod areas/reserved landscape area. Plantings to be determined between Owner and OSU.

Q 31: Can you please provide some clarification on the FFE Plan (A10.4)?

- **The equipment schedule on A10.4 says E46, E47, and E48 are not OFOI. Does this mean they fall in our scope? If so, I don't find information for this equipment.**
- **The furniture schedule on A10.4 only lists 2 items as OFOI, implying the rest is our scope. Spec section 12 5100 seems to indicate that we are to provide all furniture, but no specifics are given for the furniture listed in the schedule.**
- **Are we providing any of the equipment or furniture listed on A10.4? If so, we could use this information soon please.**

A 31:

- **Contractor is responsible for E46. Information will be provided in upcoming addendum. The others are OFOI.**
- **Contractor is responsible for all furniture except T07 and TC3. See Q 4.**
- **Equipment from Equipment Schedule is to be provided by owner except E46. See answer above. Furniture is to be provided by contractor. See Q 4.**

Q 32: Spec section 12 5100-1 1.04 states that "Manufacturers indicated on attached specifications are Basis of Design" but there are no manufacturers listed for the Basis of Design for the furniture package. Is there a manufacturer that is the Basis of Design for the furniture package? If no, does every furniture bid need to include the items listed in 1.03 "Bidders to submit furnishings and equipment list based on items design, appearance, and function. Include descriptive literature, product brochures, warranties, finish options and maintenance data on all items that vary from what is specified."

A 32: See Q 4.

Q 33: The equipment schedule on page A10.4 states that items E46 (Wall hooks for shovel storage), E47 (Asphalt ignition oven), and E48 (Stainless Steel Table 32"x72") are not owner furnished owner installed items. Does this mean the GC is responsible for the supply and install of these items? If so, are there specifications for these items?

A 33: See Q 31.

Q 34: Note #6 on S3.4 states: Outside Face of Tilt Panels shall be board-formed. See Architectural drawings for requirements. I do not find the requirements for Tilt wall finish in the Architectural Drawings or Specs.

A 34: Provide a mock up. See Tilt-up Wall Elevation Notes #7 and #8 on S3.4. There are no additional notes from architect to reference.

Q 35: The plans and details indicate we can use the permanent slab on grade as our casting bed for the tilt wall panels. We will need to use bond breakers on the slab, and drill multiple holes for attaching forms. Is this acceptable in areas where the slab is permanently exposed?

A 35: At the areas where the slab is to be left exposed – glue down form holders are preferred, however, screw down form holders are acceptable and the contractor shall be responsible for any repairs to the slab after removal of the forms and screws.

Q 36: Per the Equipment Schedule on A10.4:

- **E21 - Asphalt Ignition Oven - Qty 5 - States it is Owner Furnished, Owner Installed**
- **E47 - Asphalt Ignition Oven - Qty 1 - States it is Contractor Furnished, Contractor Installed**

Please clarify if the intention is for the owner provide 5 Asphalt Ignition Ovens, and the Contractor to provide 1 Asphalt Ignition Oven.

A 36: See Q 31.

Q 37: Can a copy of the project's geotech report be shared, please?

A 37: See Q19.

Q 38: Are there any prequalification requirements for bidding on this project?

A 38:

Q 39: There is no spec for the Novum Structure will one be coming out soon? Looking at their web site, they build different systems. What system do you want for this project. Particularly the glass tops on the structure.

A 39: See Specification Section 13 3424.

Q 40: On page A2.0 of the plans, the Novum structure window type G3 has a double door. To the right of the door, G3 is listed again which I think should be G4. G2 is shown as the sides of the vestibule, but G2 is listed again in what I think should be G5. Can this be clarified?

A 40: See upcoming addendum.

Q 41: I haven't found where Novum Structure G7 goes or if there is more than one.

A 41: G7 is above grid line 3.4 at the roof. See upcoming addendum.

Q 42: The stainless steel corner guards, CDG2, only come in 2" or 3-1/2" wings. Specs call for 3" wings. Also, there is no height specified. Advise.

A 42: Corner guards to be 8'-0" high. Select 3 ½" wings.

Q 43: Provide a height for the vinyl corner guards, CDG1.

A 43: Corner guard to be 8'-0" high.

Q 44: Spec section 07 5200 Modified Bituminous Membrane Roofing references a Roofing Installer Qualification document. The specifications state that this document must be a part of the bid submission from the GC. Is this document intended to be submitted with the bid or as part of the post award process?
The document lists that the roofer must submit documentation of continuous business operation within (50) miles of the project site. This distance requirement disqualifies very large parts of the OKC and Tulsa metro area. Mandating the submittal of this qualification statement from each roofer that submits bids to each GC has the possibility to severely limit bid participation.
Please advise of the necessary requirements with respect to this document.

A 44: Post award is okay. Qualification statement from each roofer is not necessary.

Q 45: Furniture RFI: On Sheet 10.4 FFE Plan, the furniture schedule gives a description and quantity of items to bid, but there is no information indicating sizes, laminate finish, or fabric finishes. Please advise.

A 45: See Q 4.

Q 46: Will they waive the Certification requirements on the ODOT OSU Multipurpose Facility? Architect specs section 06 4100, Part 1 – 1.05 C Quality Certification.

A 46: See Q 1.

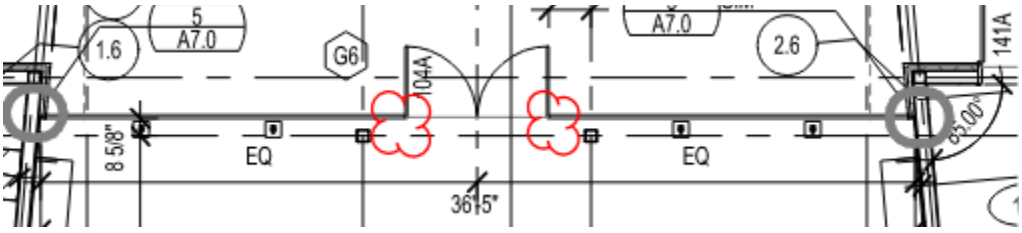
Q 47: I would like to request the geotechnical report referenced in the plans for this project.

A 47: See Q19.

Q 48: Are the water and sanitary sewer connections on the ODOT Stillwater Residency/OSU Multi-Purpose Building to the City of Stillwater public utilities or OSU utilities?

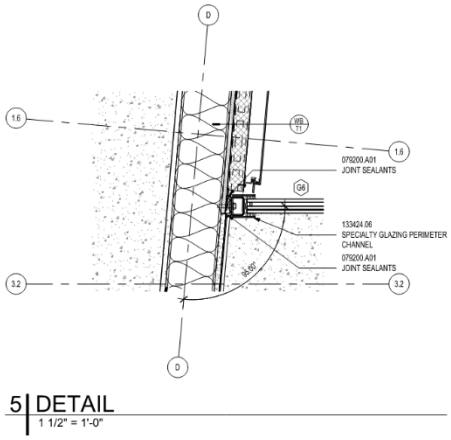
A 48: OSU Utilities.

Q 49: For the north wall, the drawings appear to be missing some structure. See below snip from sheet A2.0. We will need to add structure at the clouded locations. Can you confirm that this is acceptable?



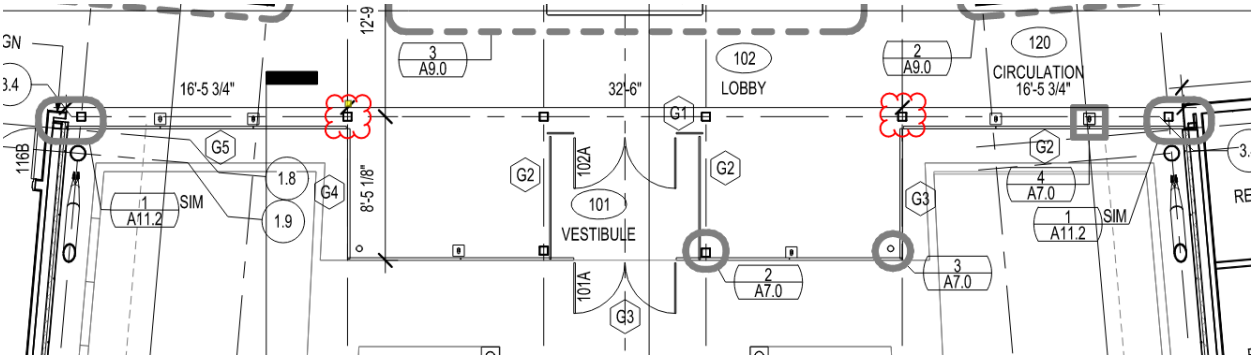
A 49: Confirmed, additional fins can be provided at the edges of the glass. It is also acceptable to provide a freestanding portal at the door. Refer updated drawings in upcoming addendum.

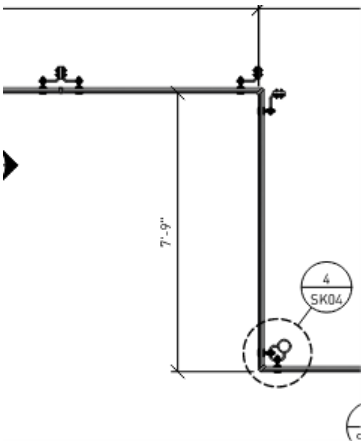
Q 50: Can you confirm that no additional steel is needed at the jambs of the north wall? Is the wall material shown structurally sufficient to support the glazing system channels? Ref. detail 5/A7.0 (below).



A 50: See upcoming addendum.

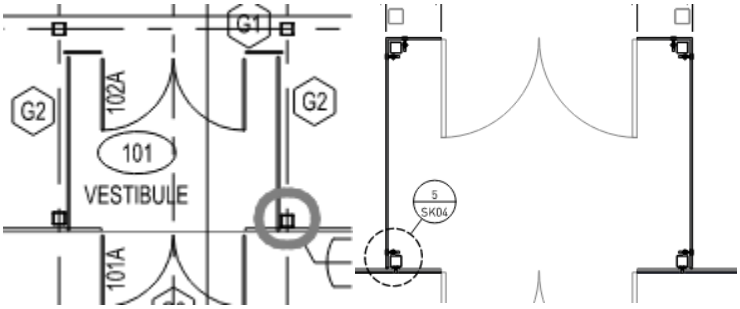
Q 51: At the clouded locations on A2.0, below, the drawings show no steel fins and instead just have structural columns (by others). In previous pricing estimates, Novum had been including (2) steel fins at each corner. See second snip below. It may be cleaner to have at least one steel fin at this location rather than trying to have extended glazing arms coming off the steel by others to pick up both lites of glass. Is it acceptable to do so, or should we develop a solution with custom glazing arms that attach to the HSS column?





A 51: See upcoming addendum.

Q 52: On sheet A2.0 at the south wall vestibule, what is shown for structure does not match what Novum has offered in previous pricing estimates. See snip on left below for what is shown in the architectural drawings, and snip on the right below for Novum's vestibule layout. We *will* need to provide more structure than what is shown, but should we keep the HSS tube at the front of the vestibule outside of the vestibule as shown in the Architectural drawings? This will probably make for trickier detailing but may be possible.



A 52: See upcoming addendum.

Q 53: The Structural Drawings indicate AESS Category 3 for exposed steel within the building, while Specification Section 133424 Specialty Glazed Façade Structure indicates AESS Category 2. Which AESS Category should be used for the Specialty Glazed Façade Structure?

A 53: AESS Category 3 will be used for the Specialty Glazed Facade Structure. Specs will be updated in upcoming addendum.

Q 54: The City of Stillwater mentioned they were exempt from permitting OSU. That being said, do your CM's usually file their permits through another state entity, or are you completely exempt for that matter?

A 54:

Q 55: the city mentioned OSU was on their own water. My concern is needing to account for the impact fees. Do you happen to have an impact fee schedule for more information on pricing?

A 55: We do not have an impact fee schedule. Suggest reaching out directly to the OSU Utilities Department.

Q 56: who is in charge of sanitary sewer and what are the fees associated with tapping into that?

A 56: OSU Utilities is in charge of the sanitary sewer. Per discussion with OSU Utilities Department, there are no tapping fees for sanitary sewer.

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QUESTIONS AND ANSWERS

Q 5: Are special inspections and material testing paid for by the Owner?

A 5: Contractor is responsible for all testing.

Q 38: Are there any prequalification requirements for bidding on this project?

A 38: Mandatory Pre-Bid Site Visit

Q 54: The City of Stillwater mentioned they were exempt from permitting OSU. That being said, do your CM's usually file their permits through another state entity, or are you completely exempt for that matter?

A 54: The only permit is through OSFM and is provided to the awarded contractor.

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Please note the Bid due date/time has been extended to:

TUESDAY, FEBRUARY 03, 2026 at 2:00PM

02/03/2026 @ 2:00PM