Construction Bulletin # 02

Client: Abla Griffin Partnership
Project Name: MPS Daycare
Project Number: 2450-70304-00

January 30, 2025

Requested by:___ Owner
___ Contractor:
___ Salas O'Brien:

To: Mike Abla, Clay Griffin

This Construction Bulletin is issued to:

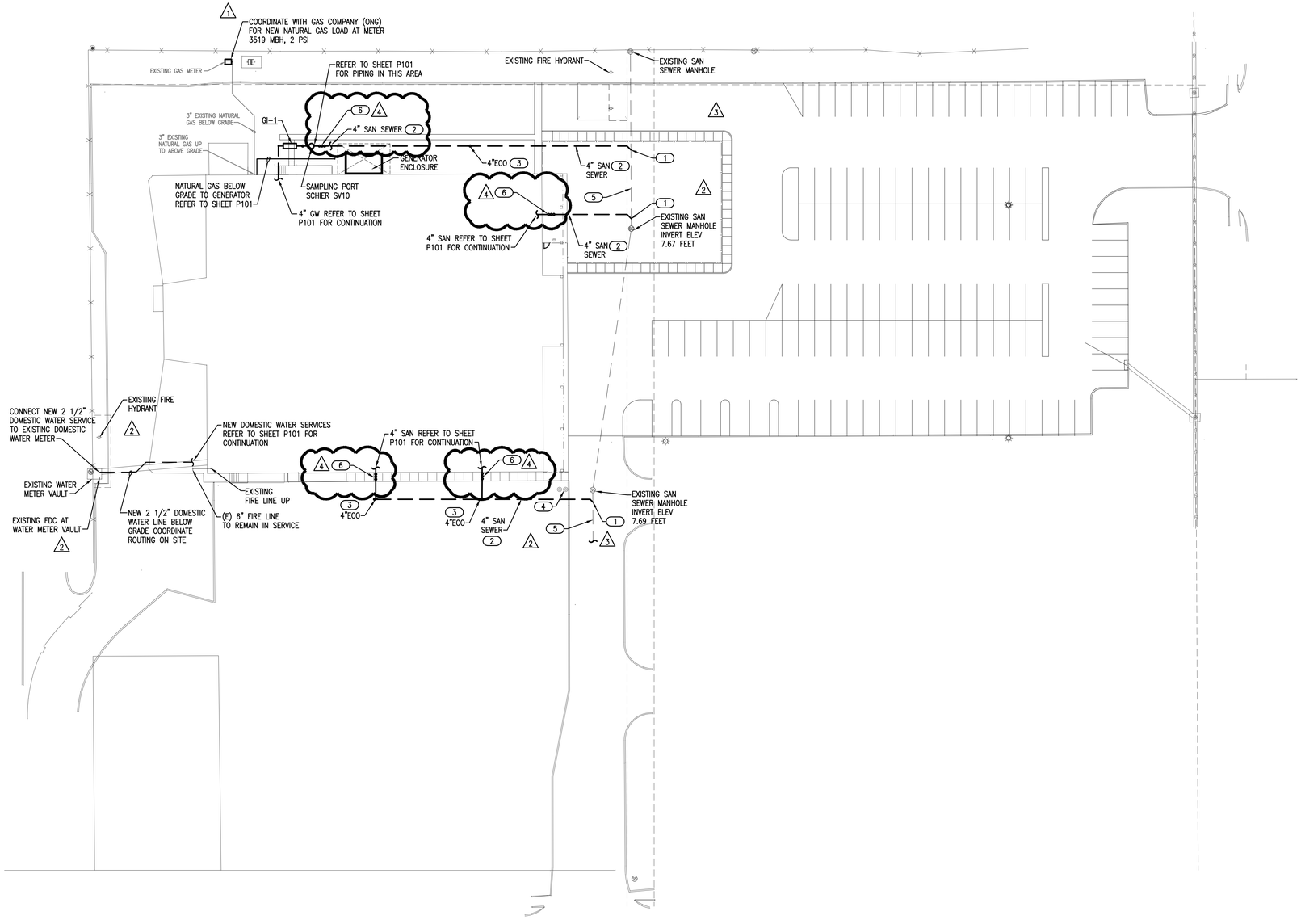
_X_ Offer additional information for clarification or supplemental drawings for layout assistance.

___ Request cost and time impact to initiate a change to the Contract Documents. Owner approval is required, do not commence with revisions unless directed in writing. Avoid Work in areas that may be affected by proposed change until approved or rejected. Once approved, forward Change Order documentation as required by the Contract Documents.

___ Direct a required change in the Contract Documents. Proceed with change(s) as indicated. Forward Change Order documentation as required by the Contract Documents.

___ Response to RFI _____.

Item No.	Description	Attachment
1	Refer to clouds and deltas.	P001
2	Refer to clouds and deltas.	P201
3	Refer to clouds and deltas.	P501
4	Refer to clouds and deltas.	M000
5	Refer to clouds and deltas.	E100
6	Refer to clouds and deltas.	E201
7	Refer to clouds and deltas.	E202
8	Refer to clouds and deltas.	E401
9	Refer to clouds and deltas.	E601



1 PLUMBING SITE PLAN

SCALE: 1/32" = 1'-0"

NORTH

GENERAL NOTES

1. COORDINATE WORK WITH ALL OTHER TRADES ON SITE.
2. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
3. PRIOR TO COMMENCING WORK, COORDINATE WITH SITE CONTRACTOR FOR SANITARY SEWER AND WATER INVERT ELEVATIONS.
4. COORDINATE ALL BELOW GRADE NATURAL GAS PIPE ROUTING WITH EXISTING SITE CONDITIONS.

KEYED NOTES

1. SITE CONTRACTOR TO FIELD VERIFY AND CONNECT NEW 4" SANITARY SEWER TO EXISTING SANITARY SEWER PER CITY REQUIREMENTS.
2. PLUMBING CONTRACTOR TO COORDINATE WITH SITE CONTRACTOR FOR INSTALLING NEW BELOW GRADE SANITARY SEWER PIPING.
3. PLUMBING CONTRACTOR TO COORDINATE WITH SITE CONTRACTOR FOR INSTALLING NEW EXTERIOR SEWER CLEANOUT.
4. COORDINATE WITH SITE CONTRACTOR FOR REMOVAL OF EXISTING GREASE WASTE PIPING, GREASE INTERCEPTOR, CLEANOUTS AND SEWER PIPING TO MANHOLE.
5. SITE CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING SANITARY SEWER PIPE.
6. PLUMBING CONTRACTOR TO COORDINATE WITH SITE CONTRACTOR FOR INSTALLING SANITARY SEWER BACKWATER VALVE AND EXTERIOR CLEANOUTS. REFER TO DETAIL 4/P501.

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KFC ENGINEERING
STRUCTURAL

SALAS O'BRIEN
MECHANICAL / ELECTRICAL

KS
drawn by

KP
checked by

OCTOBER 2024
date

revisions
1 11/22/2024 AD 02
2 12/12/2024 AD 03
3 01/14/2025 CB01
4 01/29/2025 CB02

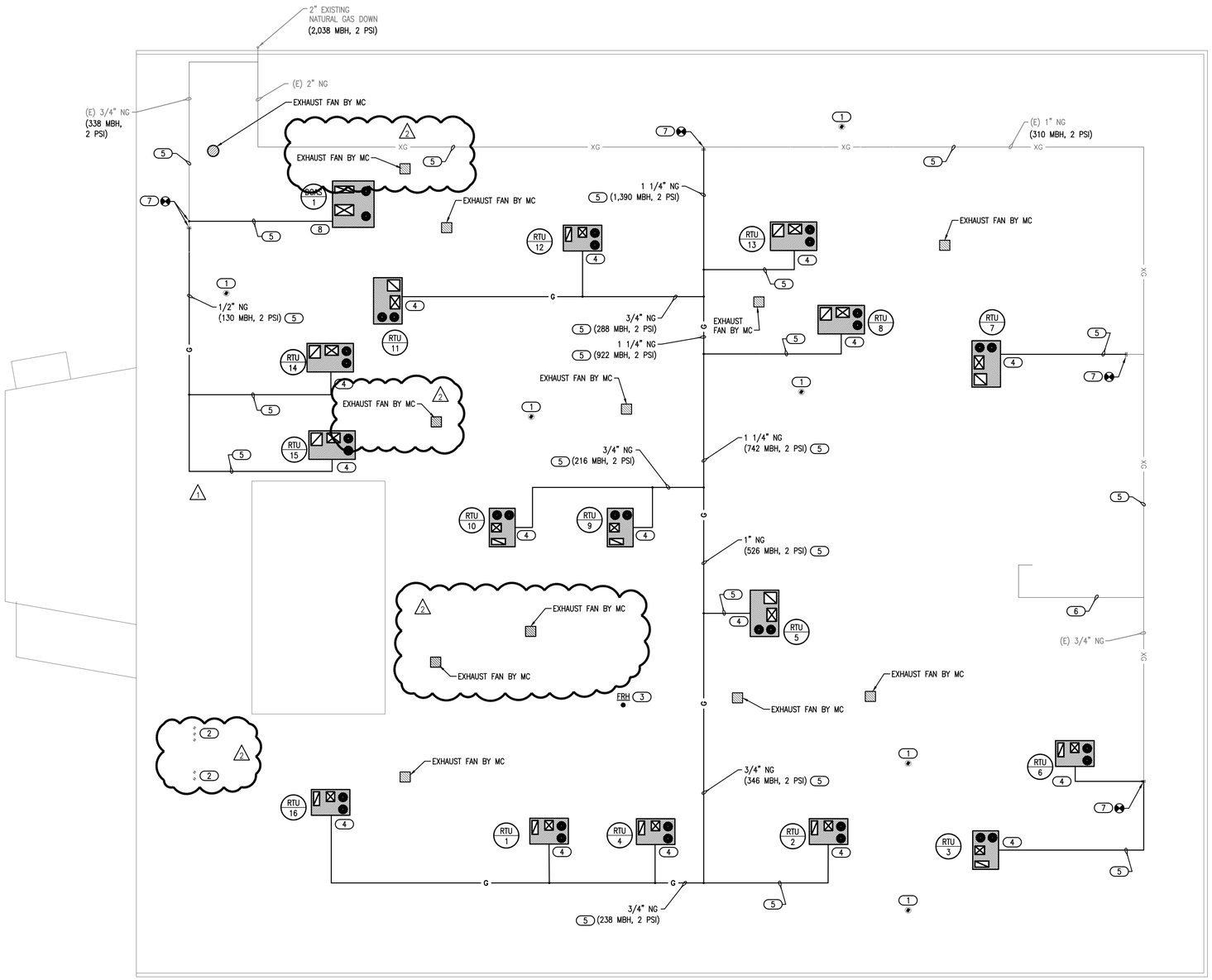
MOORE PUBLIC SCHOOLS

CHILD CARE FACILITY
201 N. EASTERN AVE.

sheet no:

P001

Salas O'Brien
2900 S. Telephone Road, Suite 120
Moore, OK 73160
Salas O'Brien Registration: CA# 7058
Expiration Date : 6/30/2025
Salas O'Brien Project Number: 2450-70304-00



1 PLUMBING ROOF PLAN

SCALE: 3/32" = 1'-0"

NORTH

GENERAL NOTES

1. COORDINATE WITH WITH ALL OTHER TRADES ON SITE.
2. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
3. MAINTAIN A MINIMUM OF 10'-0" CLEAR BETWEEN EXHAUST AND INTAKE VENTS WITH MECHANICAL EQUIPMENT AND OTHER ROOF OPENINGS.
4. ALL ABOVE GRADE EXTERIOR NATURAL GAS PIPE SHALL BE CLEANED AND DEGREASED PRIOR TO BEING PRIMED THEN PAINTED YELLOW WITH WEATHER RESISTANT ZINC RICH PAINT.
5. PIPE IDENTIFICATION SHALL BE THE WORDS "NATURAL GAS" IN BLACK LETTERS AT 5 FOOT INTERVALS USING PLASTIC PIPE MARKERS OR STENCILED PAINTED LETTERS.
6. ALL GAS PIPE SHALL COMPLY WITH IFGC. BRANCH LINES SHALL TAP OFF TOP OF GAS MAINS AND INSTALL SHUT-OFF VALVE ON BRANCH LINE.

KEYED NOTES

1. COORDINATE INSTALLATION OF PLUMBING VENTS WITH ROOFING CONTRACTOR. INSTALL VENT A MINIMUM 10'-0" FROM ANY OPENINGS, EQUIPMENT, INTAKES OR EXHAUST VENTS.
2. COORDINATE INSTALLATION OF WATER HEATER CONCENTRIC VENT WITH ROOFING CONTRACTOR AND PER MANUFACTURER'S RECOMMENDATIONS. INSTALL VENT A MINIMUM OF 10'-0" FROM ANY OPENINGS, EQUIPMENT, INTAKES AND EXHAUST VENTS.
3. COORDINATE INSTALLATION OF FREEZELESS ROOF HYDRANT (FRH) WITH STRUCTURAL AND ROOFING CONTRACTOR.
4. INSTALL 1/2" NATURAL GAS LINE (2 PSI) TO ROOFTOP UNIT. PROVIDE SHUT-OFF VALVE, DRIP LEG, PRESSURE REGULATOR AND FINAL UNIT CONNECTION. ROUGH-IN AND COORDINATE FINAL CONNECTION WITH MECHANICAL CONTRACTOR. SEE DETAIL 8/P501.
5. INSTALL ROOF PIPE SUPPORTS FOR NATURAL GAS PIPE (2 PSI). PROVIDE MIRO INDUSTRIES MODEL 3-RAH-8 ROOF TOP SUPPORTS OR APPROVED EQUAL. INSTALL AT MAXIMUM OF 10'-0" ON CENTER FOR 1 1/4" PIPE OR LARGER. INSTALL AT 8'-0" ON CENTER FOR 1" AND 3/4" PIPE. INSTALL AT 6'-0" ON CENTER FOR 1/2" PIPE. REFER TO GENERAL NOTES FOR PAINTING GAS PIPE. SEE DETAIL 10/P501.
6. REMOVE GAS PIPING BACK TO MAIN AND CAP.
7. INSTALL NEW GAS PIPE TO EXISTING GAS MAIN FOR NEW MECHANICAL EQUIPMENT. FIELD VERIFY SIZE AND LOCATION.
8. INSTALL 3/4" NATURAL GAS LINE (2 PSI) TO DOAS UNIT. PROVIDE SHUT-OFF VALVE, DRIP LEG, PRESSURE REGULATOR AND FINAL UNIT CONNECTION. ROUGH-IN AND COORDINATE FINAL CONNECTION WITH MECHANICAL CONTRACTOR. SEE DETAIL 8/P501.

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OKLAHOMA PROFESSIONAL ENGINEER
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10/30/25

KS
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KP
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OCTOBER 2024
date

revisions
1 11/22/2024 AD 02
2 01/29/2025 CB 02

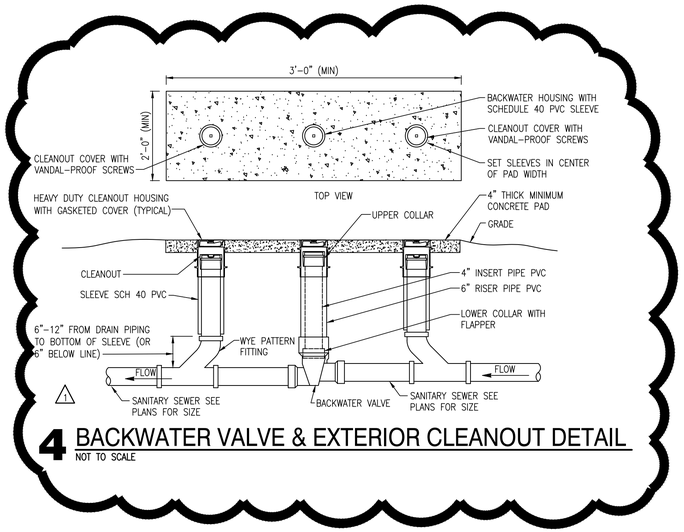
MOORE PUBLIC SCHOOLS

CHILD CARE FACILITY
201 N. EASTERN AVE.

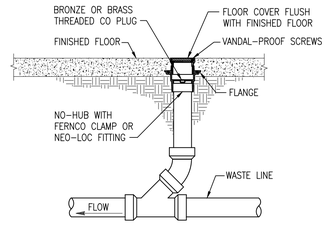
sheet no:

P201

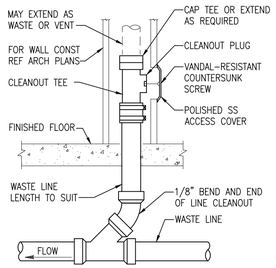
Salas O'Brien
2900 S. Telephone Road, Suite 120
Moore, OK 73160
Salas O'Brien Registration: CA# 7058
Expiration Date : 6/30/2025
Salas O'Brien Project Number: 2450-70304-00



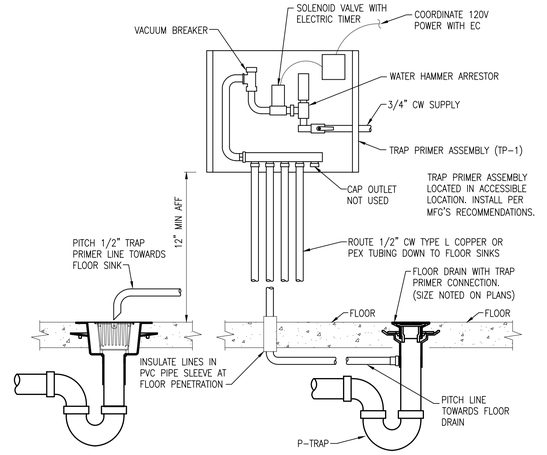
4 BACKWATER VALVE & EXTERIOR CLEANOUT DETAIL
NOT TO SCALE



3 INTERIOR CLEANOUT DETAIL
NOT TO SCALE

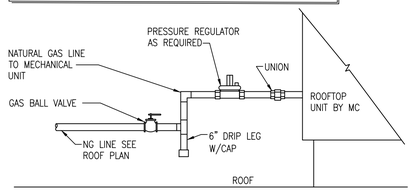


2 WALL CLEANOUT DETAIL
NOT TO SCALE



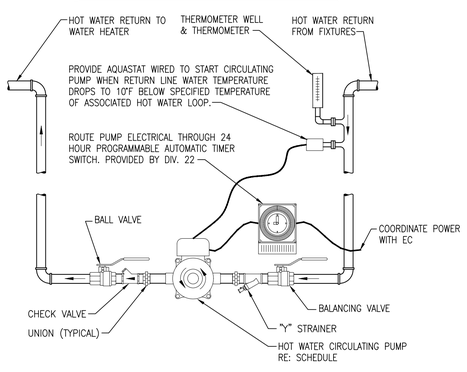
1 ELECTRONIC TRAP PRIMER MANIFOLD DETAIL
NOT TO SCALE

NOTES:
1. PROVIDE GAS REGULATOR VENT PROTECTOR. INSTALL REGULATOR PER MANUFACTURER'S RECOMMENDATIONS.
2. COORDINATE DISTANCE BETWEEN PRESSURE REGULATOR AND GAS-FIRED EQUIPMENT WITH EQUIPMENT MANUFACTURER. COORDINATE FINAL CONNECTION TO UNIT WITH MC.
3. PROVIDE ROOF PIPE SUPPORTS FOR NATURAL GAS PIPING.
4. PIPING ABOVE GRADE SHALL BE SCHEDULE 40 BLACK IRON. REFER TO SPECIFICATIONS FOR PAINTING PIPING YELLOW.

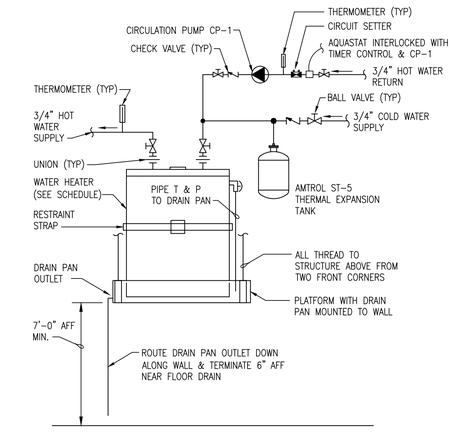


8 RTU GAS CONNECTION DETAIL
NOT TO SCALE

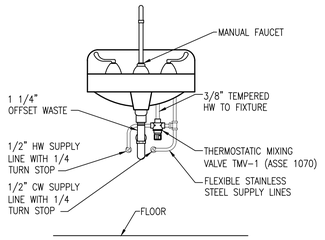
NOTES:
1. INSTALL PUMP ASSEMBLY PER MANUFACTURER'S RECOMMENDATIONS.
2. MOUNT PUMP AT 54" - 60" AFF UNLESS NOTED OTHERWISE ON PLANS.



7 HW RECIRCULATION PUMP DETAIL
NOT TO SCALE

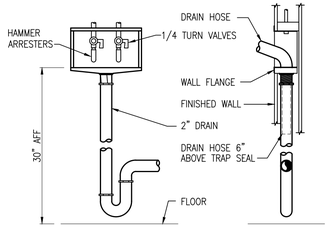


6 ELECTRIC WATER HEATER DETAIL
NOT TO SCALE

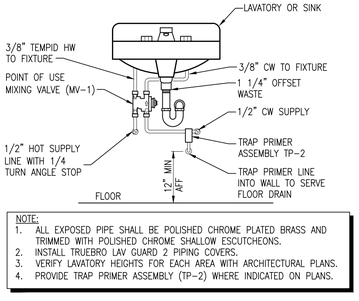


NOTE:
1. ALL EXPOSED PIPE SHALL BE POLISHED CHROME PLATED BRASS AND TRIMMED WITH POLISHED CHROME SHALLOW ESCUTCHEONS.
2. INSTALL TRUEBRO LAV GUARD 2 OR APPROVED EQUAL PIPING COVERS ON ALL PIPING BELOW SINK.
3. VERIFY LAVATORY HEIGHTS FOR EACH AREA WITH ARCHITECTURAL PLANS.

5 LAVATORY OR SINK W/MIXING VALVE DETAIL
NOT TO SCALE

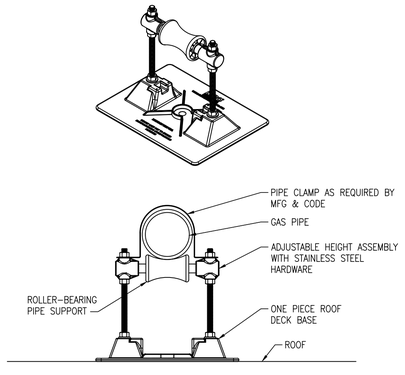


12 LAUNDRY BOX DETAIL
NOT TO SCALE

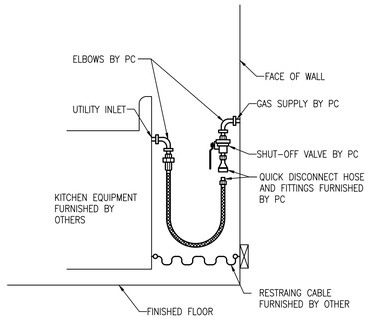


NOTE:
1. ALL EXPOSED PIPE SHALL BE POLISHED CHROME PLATED BRASS AND TRIMMED WITH POLISHED CHROME SHALLOW ESCUTCHEONS.
2. INSTALL TRUEBRO LAV GUARD 2 PIPING COVERS.
3. VERIFY LAVATORY HEIGHTS FOR EACH AREA WITH ARCHITECTURAL PLANS.
4. PROVIDE TRAP PRIMER ASSEMBLY (TP-2) WHERE INDICATED ON PLANS.

11 LAVATORY W/ TRAP PRIMER DETAIL
NOT TO SCALE



10 ROOF PIPE SUPPORT DETAIL
NOT TO SCALE



9 GAS QUICK CONNECT DETAIL
NOT TO SCALE

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1 01/29/2025 CB02

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CHILD CARE FACILITY
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sheet no:
P501

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Salas O'Brien Registration: CA# 7058
Expiration Date : 6/30/2025
Salas O'Brien Project Number: 2450-70304-00

GENERAL MECHANICAL NOTES

1. ALL WORK SHALL BE IN COMPLIANCE WITH STATE AND LOCAL CODES.
2. THE CONTRACTOR SHALL PAY FOR ALL FEES, PERMITS, LICENSES, ETC., NECESSARY FOR PROPER COMPLETION OF THE WORK.
3. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
4. VERIFY ALL EXISTING CONDITIONS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN CONTRACT DRAWINGS AND ACTUAL CONDITIONS.
5. EXISTING UTILITIES TO BE ABANDONED SHALL BE PROPERLY DISCONNECTED AND CAPPED AS REQUIRED BY CODE OR LOCAL ORDINANCE.
6. THESE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. ADDITIONAL DATA SHALL BE FROM THE ENGINEER THROUGH WRITTEN CLARIFICATION ONLY. VERIFY ALL EXISTING CONDITIONS, ELEVATIONS, AND DIMENSIONS BEFORE PROCEEDING WITH ANY PORTION OF ANY WORK. THE CONTRACTOR SHALL PROVIDE ALL OFFSETS AND TRANSITIONS REQUIRED TO MEET EXISTING CONDITIONS.
7. THE CONTRACTOR SHALL PERFORM WORK IN A SKILLED AND PROFESSIONAL MANNER.
8. ALL CONTRACTORS ARE RESPONSIBLE TO FIELD COORDINATE WORK SCHEDULE WITH OWNER REPRESENTATIVE.
9. THE CONTRACTOR SHALL WORK AND COORDINATE WITH THE OTHER TRADES.
10. ALL EQUIPMENT SHALL BE NEW AND IN UNDAMAGED CONDITION. ANY EQUIPMENT FOUND DEFECTIVE SHALL BE IMMEDIATELY REMOVED FROM THE PROJECT.
11. PROVIDE 3 COPIES OF AN OPERATION AND MAINTENANCE MANUAL FOR ALL MAJOR EQUIPMENT REQUIRING SERVICE. MAJOR EQUIPMENT INCLUDES BUT IS NOT LIMITED TO COILS, FANS, AND CONTROL WIRING DIAGRAMS. EACH PIECE OF EQUIPMENT SHALL STATE THE CONTRACT DATE AND THE NAME, ADDRESS AND PHONE NUMBER FOR THE PRIME CONTRACTOR, SUBCONTRACTOR PERFORMING THE INSTALLATION, AND THE LOCAL VENDOR FOR SPARE PARTS. THE MANUALS SHALL CONTAIN MAINTENANCE INSTRUCTIONS REQUIRED FOR THE INSTALLED EQUIPMENT. MANUALS SHALL BE BOUND IN A THREE RING HARD COVER BINDER. O & M MANUALS SHALL BE SUBMITTED TO THE OWNER PRIOR TO FINAL WALK THROUGH OF THE PROJECT.
12. PROVIDE 8 HOURS OF OWNER TRAINING FOR THE INSTALLED EQUIPMENT. TRAINING SHALL BE HELD ONLY AFTER ALL OF THE EQUIPMENT IS INSTALLED AND PROPER OPERATION IS VERIFIED.
13. CONTRACTOR SHALL SUBMIT A CERTIFIED REPORT INDICATING SYSTEM PERFORMANCE INCLUDING, BUT NOT LIMITED TO, VOLTAGE AND AMPERAGE MEASUREMENTS OF ALL EQUIPMENT GREATER THAN 1/3 H.P. AIR BALANCE MEASUREMENTS OF OUTSIDE AIR DELIVERY, AIR HANDLING UNIT SUPPLY, SUPPLY DIFFUSERS, EXHAUST AND RETURN GRILLES. AIR BALANCE SHALL BE WITHIN 10% OF DESIGN CONDITIONS. THE REPORT CERTIFICATION SHALL BE AS FOLLOWS:

    I (name) of (company) CERTIFY THAT ALL MEASUREMENTS, FIGURES AND STATEMENTS INDICATED IN THIS REPORT WERE TAKEN BY ME OR UNDER MY SUPERVISION AND ARE ACCURATE AS OF (date). DESIGN FLOWS WERE BASED UPON PLANS DATED (xx/xx/xx).

14. DUCT MATERIAL SHALL BE GALVANIZED OR ALUMINUM CONSTRUCTION IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARD 2005 FOR THE PRESSURE AND SEAL CLASS LISTED IN DUCTWORK/INSULATION SCHEDULE.
15. DUCT SIZES LISTED ON PLANS ARE THE REQUIRED CLEAR INTERIOR DIMENSIONS.
16. SUPPLY AND RETURN BRANCH DUCTS MAY BE INSULATED FLEX DUCT IF THE RUN IS LESS THAN 5 FEET IN LENGTH. ANY LENGTHS OVER 5 FEET SHALL BE RIGID DUCTWORK, DUCT SHALL BE THE SAME SIZE AS THE LISTED DIFFUSER THROAT UNLESS NOTED OTHERWISE.
17. PROVIDE VOLUME CONTROL DAMPERS WHERE INDICATED AND AT ALL TAKEOFFS, BOTH SUPPLY AND RETURN SYSTEMS, AND MAJOR DUCT RUNS. DAMPERS SHALL BE FACTORY-FABRICATED WITH ZINC-PLATED, DIE-CAST CONTROL HARDWARE. CONTROL HARDWARE SHALL INCLUDE HEAVY GAUGE DIAL AND HANDLE WITH ELEVATED PLATFORM FOR INSULATED DUCT MOUNTING.
18. PROVIDE TURNING VANES IN ALL RECTANGULAR ELBOWS CONFORMING TO SMACNA DUCT CONSTRUCTION STANDARD 2005 FIG. 4-2 TYPE RE-3 WITH STANDARD RADIUS. WHERE SPACE PERMITS, PROVIDE RADIUSED ELBOWS IN ACCORDANCE WITH FIGURES 4-2, TYPE RE-1.
19. ALL RECTANGULAR MAIN TO RECTANGULAR BRANCH CONNECTIONS, BOTH CONVERGING AND DIVERGING CONFIGURATIONS, SHALL HAVE A 45 DEG. ENTRY TAP CONSTRUCTED IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARD 2005 FIG. 4-6.
20. DIFFUSER PATTERN 4-WAY UNLESS OTHERWISE INDICATED. PROVIDE FIBERGLASS DUCT INSULATION WITH VAPOR BARRIER AS SCHEDULED UNLESS NOTED OTHERWISE.
21. MECHANICAL CONTRACTOR TO REPAIR ANY DAMAGE DONE TO THE FIRE PROOFING WHILE INSTALLING THE MECHANICAL TRADES. SEAL ALL PENETRATIONS THROUGH RATED STRUCTURES WITH UL LISTED FIRE SEAL DESIGNED FOR THE SPECIFIED APPLICATION.
22. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE PUBLIC AND ADJACENT PROPERTIES FROM DAMAGE THROUGHOUT CONSTRUCTION.
23. THE CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OR AS OTHERWISE REQUIRED IN THE SPECIFICATIONS.
24. MECHANICAL CONTRACTOR TO INCLUDE THE TEST AND BALANCE, AND ANY PERMIT FEES IN THEIR BID.
25. MECHANICAL CONTRACTOR SHALL VERIFY ALL ROOFTOP EQUIPMENT WEIGHTS, SIZES, LOCATIONS AND OPENINGS REQUIRED AND SHALL COORDINATE ANY CHANGES WITH THE ARCHITECT.
26. UPON PROJECT COMPLETION, RECORD (AS-BUILT) DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR TO THE BUILDING OWNER. ALL CHANGES MADE TO EQUIPMENT, DUCTWORK, AND GENERAL DESIGN SHALL BE NOTED ON THE DRAWINGS. PROVIDE IN PDF FORMAT OR PRINTED SET AT THE OWNER'S REQUEST.

ABBREVIATIONS

A	AMP
ADD	ADDENDUM
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLER UNIT
AI	ANALOG INPUT
ALT	ALTERNATE
AO	ANALOG OUTPUT
APPRX	APPROXIMATE
ARCH	ARCHITECT, ARCHITECTURAL
BDD	BACK DRAFT DAMPER
BLDG	BUILDING
BTUH	BRITISH THERMAL UNIT PER HOUR
C	CENTER
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CO	CLEAN OUT
COND	CONDENSATE
CONT	CONTINUOUS
COP	COEFFICIENT OF PERFORMANCE
DB	DRY BULB
DET	DETAIL
DG	DOOR GRILLE
DI	DIGITAL INPUT
DIA OR ø	DIAMETER
DIM	DIMENSION
DN	DOWN
DO	DIGITAL OUTPUT
DWG	DRAWING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EG	EXHAUST GRILLE
ELEC	ELECTRICAL
ERV	ENERGY RECOVERY VENTILATOR
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EXIST	EXISTING
FA	FRESH AIR
FPM	FEET PER MINUTE
FT	FOOT (FEET)
GA	GAUGE/GAGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
GYP	GYPSUM
HORIZ	HORIZONTAL
HP	HORSEPOWER
HT	HEIGHT
I/O	INPUT/OUTPUT
IN	INCH
LAT	LEAVING AIR TEMPERATURE
LB	POUND
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	1000 BTU PER HOUR
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPS
MECH	MECHANICAL
MIN	MINIMUM
MFR	MANUFACTURER
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OC	ON CENTER
P	PUMP
PC	PLUMBING CONTRACTOR
PLBG	PLUMBING
PSI	POUNDS PER SQUARE INCH
QTY	QUANTITY
RA	RETURN AIR
REQD	REQUIRED
REV	REVERSE OR REVISION
RG	RETURN AIR GRILLE
RHI	ROOF HOOD VENT
RHV	ROOF HOOD INTAKE
RPM	REVOLUTIONS PER MINUTE
RTU	ROOF TOP UNIT
SA	SUPPLY AIR
SQFT	SQUARE FEET
SG	SUPPLY GRILLE
SP	STATIC PRESSURE
SPEC	SPECIFICATIONS
SS	STAINLESS STEEL
T&B	TEST AND BALANCE
TEMP	TEMPERATURE OR TEMPORARY
TG	TRANSFER GRILLE
TYP	TYPICAL
V	VOLT
VAR	VARIABLE OR VARIES
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THRU ROOF
W/	WITH
W/IN	WITHIN
W/O	WITH OUT
WB	WET BULB
WC	WATER COLUMN (INCHES OF)
WT	WEIGHT

MECHANICAL HVAC LEGEND

EXHAUST AIR DUCT (DOWN)			EXHAUST AIR DUCT (UP)
RETURN AIR DUCT (DOWN)			RETURN AIR DUCT (UP)
OUTSIDE OR SUPPLY AIR DUCT (DOWN)			OUTSIDE OR SUPPLY AIR DUCT (UP)
DUCT SIZE	24x12		NEW DUCTWORK
FLEX DUCT			EXISTING DUCTWORK
DEMOLITION LINETYPE			SUPPLY AIR CEILING DIFFUSER
RETURN AIR GRILLE			EXHAUST AIR GRILLE
DIFFUSER, GRILLE, AND REGISTER CALL-OUTS	CALL-OUT / CFM		SCHEDULED EQUIPMENT TAG
MANUAL BALANCING DAMPER			PIPE PENETRATION THROUGH FIRE RATED WALL
FIRE DAMPER			SMOKE DAMPER
MOTORIZED DAMPER	M		FIRE/SMOKE DAMPER
THERMOSTAT	T	H	HUMIDISTAT
REMOTE SENSOR	S	C	CARBON DIOXIDE SENSOR
DUCT SMOKE DETECTOR		M	CARBON MONOXIDE SENSOR

MECHANICAL SHEET INDEX

M000	MECHANICAL LEGEND AND NOTES
M101	MECHANICAL FLOORPLAN
M102	MECHANICAL MEZZANINE PLAN
M201	MECHANICAL ROOF PLAN
M501	MECHANICAL DETAILS
M601	MECHANICAL SCHEDULES
M602	MECHANICAL SCHEDULES
M603	MECHANICAL SCHEDULES
M604	MECHANICAL SCHEDULES
M605	MECHANICAL SCHEDULES

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KFC ENGINEERING
STRUCTURAL

SALAS O'BRIEN
MECHANICAL / ELECTRICAL

PROFESSIONAL ENGINEER
Bryant McDonald Tolliver
30822
04/30/25

KF
drawn by
DG
checked by
OCTOBER 2024
date

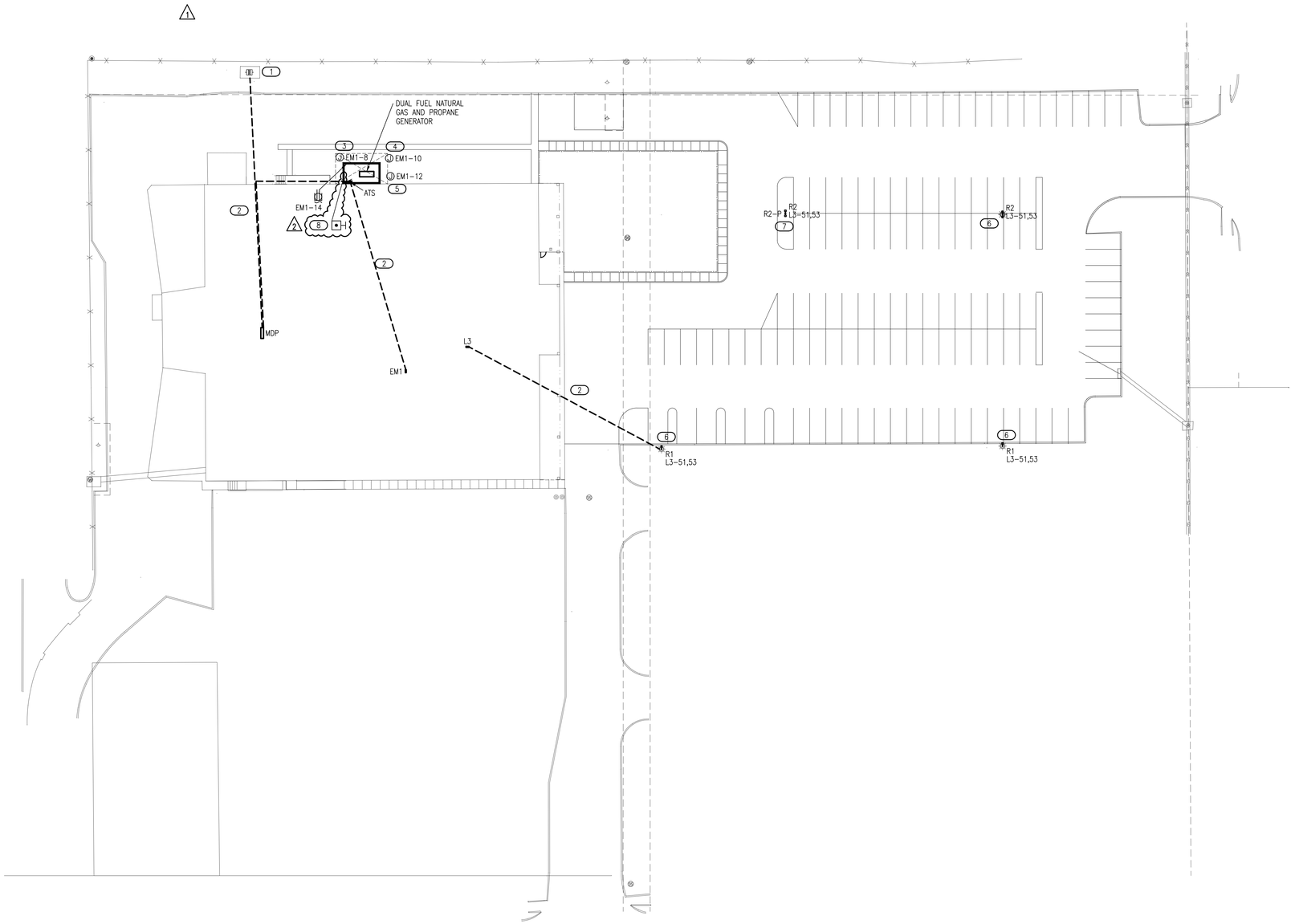
revisions
1 11/22/2024 AD 02
2 12/30/2024 AD 06
3 01/29/2025 CB02

MOORE PUBLIC SCHOOLS

CHILD CARE FACILITY
201 N. EASTERN AVE.

sheet no:
M000

Salas O'Brien
2900 S. Telephone Road, Suite 120
Moore, OK 73160
Salas O'Brien Registration: CA# 7058
Expiration Date : 6/30/2025
Salas O'Brien Project Number: 2450-70304-00



SITE GENERAL NOTES

1. COORDINATE EXACT LOCATIONS OF DEVICES SHOWN WITH OTHER EQUIPMENT.
2. PROVIDE (2) ELECTRONIC TIMERS WITH INTERGRAL ASTRONOMICAL TIMECLOCK AND PHOTOCELL INPUT. LOCATE PHOTOCELL WITH CLEAR VIEW OF NOTHERN SKY AND SHIELD FROM ARTIFICIAL LIGHT SOURCES. ONE TIMER SHALL CONTROL EXTERIOR WALL PACKS AND THE OTHER SHALL CONTROL THE PARKING LOT.
3. THESE DRAWINGS ARE INTENDED TO BE DIAGRAMMATIC ONLY. CONSULT WITH GENERAL CONTRACTOR FOR DETAILS ON BIDDING; PROVIDE ALL PARTS AND LABOR FOR A COMPLETE AND CODE COMPLIANT FACILITY.
4. ELECTRICAL CONTRACTOR TO SHOW ACTUAL ROUTING OF ALL BELOW-GRADE CONDUITS AND WIRING ON AS-BUILT DRAWINGS. ROUTES SHOWN ARE GENERAL IN NATURE AND ACTUAL ROUTE SHALL BE DETERMINED BY GENERAL CONTRACTOR AND ELECTRICAL CONTRACTOR ONSITE.
5. PROVIDE GROUNDING AND BONDING AT EACH BUILDING IN ACCORDANCE WITH NEC 250.32.
6. REFER TO SHEET 'T-XXX' FOR ADDITIONAL CONDUIT LAYOUT INFORMATION.

KEYED NOTES

1. EXISTING 208/120V 3P UTILITY TRANSFORMER.
2. PROPOSED CONDUIT ROUTE. SAW CUT CONCRETE AS NECESSARY TO ENSURE CONDUIT IS ROUTED UNDER THE EXISTING CONCRETE FOUNDATION.
3. PROVIDE 120V GENERATOR BLOCK HEATER CONNECTION.
4. PROVIDE 120V GENERATOR BATTERY HEATER CONNECTION.
5. PROVIDE 120V GENERATOR BATTERY CHARGER CONNECTION. (1)
6. MOUNT FIXTURE ON EXISTING POLE 28'-0" AFF TO BOTTOM OF LIGHT FIXTURE.
7. INSTALL NEW LIGHT FIXTURE POLE AND POLE BASE. MOUNT FIXTURE 28'-0" AFF TO BOTTOM OF LIGHT FIXTURE.
8. INSTALL EMERGENCY STOP PUSH-BUTTON IN GENERATOR ENCLOSURE. PUSH-BUTTON SHALL TRIP 1200A SHUNT TRIP BREAKER LOCATED IN MDP. (2)

1 ELECTRICAL SITE PLAN

SCALE: 1/32" = 1'-0"

NORTH

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revisions
(1) 12/12/2024 AD 03
(2) 01/29/2025 CB02

MOORE PUBLIC SCHOOLS

CHILD CARE FACILITY
201 N. EASTERN AVE.

sheet no:

E100

Salas O'Brien
2900 S. Telephone Road, Suite 120
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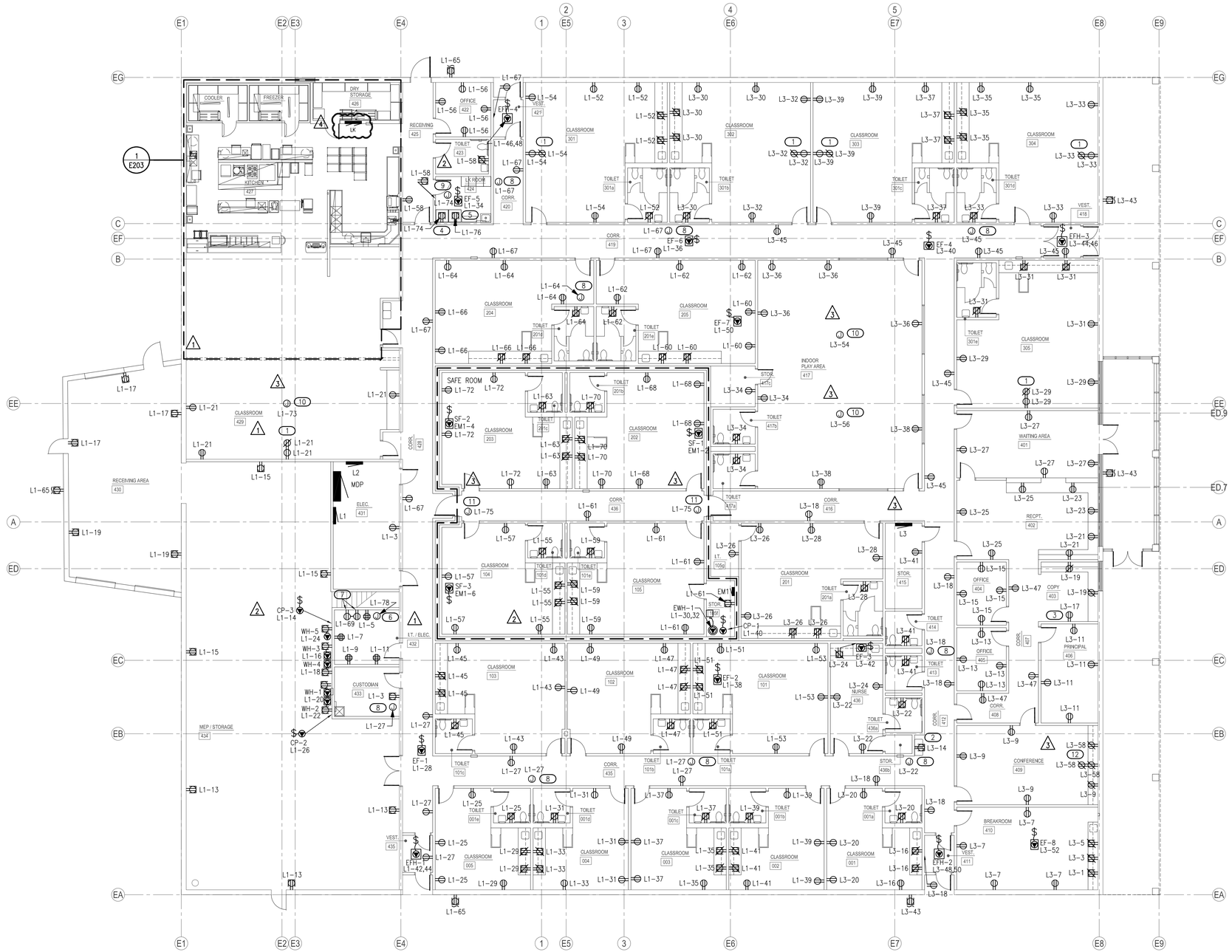

1 ELECTRICAL POWER PLAN

SCALE: 3/32" = 1'-0"

NORTH

GENERAL NOTES

1. COORDINATE EXACT LOCATIONS OF DEVICES SHOWN WITH OTHER EQUIPMENT. COORDINATE EXACT LOCATION OF CEILING MOUNTED DEVICES WITH LIGHTS, HVAC EQUIPMENT, AND OTHER DEVICES.
2. COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ALL RELAYS, CONNECTIONS, AND ALL DEVICES NECESSARY TO INTERLOCK EXHAUST FANS, DAMPERS, ETC WITH PROPER CONTROL DEVICES.
3. COORDINATE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR. REFER TO MECHANICAL PLANS AND MANUFACTURER FOR ADDITIONAL INFORMATION.
4. COORDINATE EXACT LOCATION OF PLUMBING EQUIPMENT WITH PLUMBING CONTRACTOR. REFER TO PLUMBING PLANS AND MANUFACTURER FOR ADDITIONAL INFORMATION.
5. ALL RECEPTACLES LOCATED AT COUNTERTOP HEIGHT SHALL BE ORIENTED HORIZONTALLY.
6. FIRE STOP ALL PENETRATIONS IN FIRE AND SMOKE RATED WALLS. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS AND ADDITIONAL INFORMATION

SAFEROOM GENERAL NOTES

PER ICC 500-2014, 309.1:

PENETRATIONS THROUGH THE STORM SHELTER ENVELOPE THAT ARE LARGER THAN:
1. 3.5" SQUARE INCHES IN AREA FOR RECTANGULAR OPENINGS, OR
2. 2 1/16" IN DIAMETER
SHALL BE CONSIDERED AN OPENING AND SHALL BE PROVIDED WITH AN OPENING PROTECTIVE DEVICE (SHROUD). REFERENCE STRUCTURAL DRAWINGS FOR A SAMPLE SHROUD DETAIL. THIS INCLUDES PENETRATIONS FOR BUNDLES OF CONDUIT.

KEYED NOTES

1. PROVIDE 120V CONNECTION FOR SMARTBOARD. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH OWNER/ARCHITECT PRIOR TO ROUGH IN. REFER TO DETAIL '1/E502' FOR ADDITIONAL INFORMATION. (2)
2. PROVIDE 120V WATER COOLER DEDICATED CONNECTION. COORDINATE WITH THE ARCHITECT, PLUMBING CONTRACTOR, AND MANUFACTURER FOR THE EXACT LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.
3. PROVIDE 120V COPY MACHINE DEDICATED CONNECTION. COORDINATE WITH THE ARCHITECT, OWNER, AND MANUFACTURER FOR THE EXACT LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.
4. PROVIDE 120V GAS DRYER DEDICATED CONNECTION. COORDINATE WITH THE ARCHITECT, OWNER AND MANUFACTURER FOR THE EXACT LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH IN.
5. PROVIDE 120V WASHER DEDICATED CONNECTION. COORDINATE WITH THE ARCHITECT, OWNER AND MANUFACTURER FOR THE EXACT LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH IN.
6. PROVIDE 120V FIRE ALARM CONTROL PANEL DEDICATED CONNECTION. COORDINATE RECEPTACLE TYPE AND LOCATION WITH FIRE ALARM CONTRACTOR.
7. PROVIDE 120V TELECOM EQUIPMENT CONNECTION. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER.
8. PROVIDE 120V CONNECTION FOR TRAP PRIMER. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN. (2)
9. PROVIDE 120V CONNECTION FOR DRYER BOOSTER FAN. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR ON SITE. (3)
10. PROVIDE 120V CONNECTION FOR CEILING-MOUNTED PROJECTOR. COORDINATE EXACT LOCATION WITH LOW VOLTAGE CONTRACTOR.
11. PROVIDE 120V CONNECTION FOR DOOR HOLD-OPEN SYSTEM. COORDINATE EXACT LOCATION WITH LOW VOLTAGE CONTRACTOR.
12. PROVIDE 120V CONNECTION FOR TV. COORDINATE MOUNTING HEIGHT WITH ARCHITECT/OWNER.

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MOORE PUBLIC SCHOOLS

CHILD CARE FACILITY
201 N. EASTERN AVE.

sheet no:

E201

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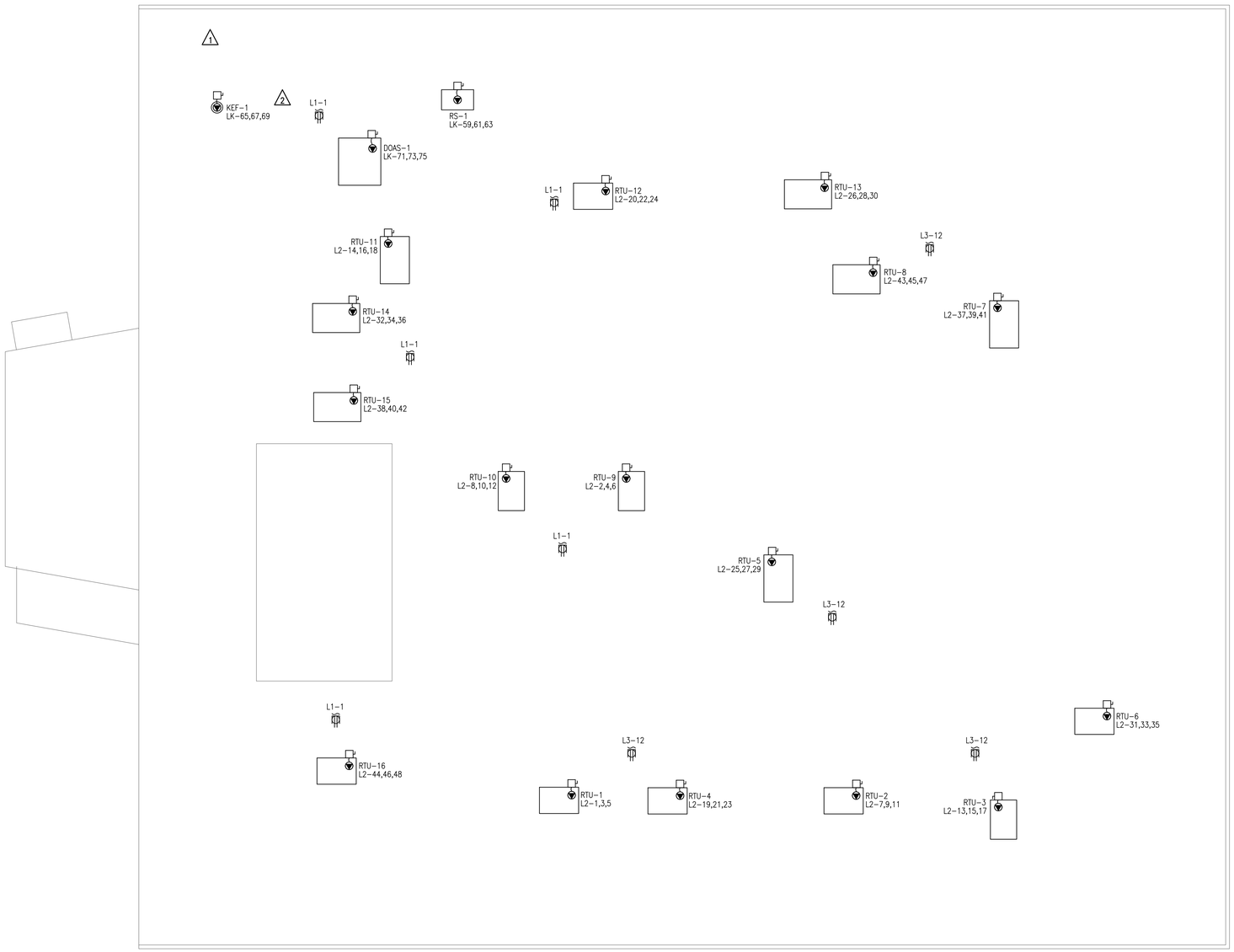

1 ELECTRICAL ROOF PLAN

SCALE: 3/32" = 1'-0"

NORTH

GENERAL NOTES

1. COORDINATE EXACT LOCATIONS OF DEVICES SHOWN WITH OTHER EQUIPMENT.
2. COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ALL RELAYS, CONNECTIONS, AND ALL DEVICES NECESSARY TO INTERLOCK EXHAUST FANS, DAMPERS, ETC WITH PROPER DEVICES.
3. COORDINATE EXACT LOCATIONS OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR.
4. FIRMLY MOUNT WEATHERPROOF 120V CONVENIENCE OUTLET ON UNISTRUT/KINDORF. COORDINATE WITH OTHER TRADES PRIOR TO ROUGH-IN. REDUNDANT RECEPTACLES WHETHER STAND-ALONE OR INTEGRAL TO A UNIT, MAY BE OMITTED SO LONG AS ALL OF THE REQUIREMENTS OF NEC 210.63 ARE SATISFIED.

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MOORE PUBLIC SCHOOLS

CHILD CARE FACILITY
201 N. EASTERN AVE.

sheet no:
3 E202

Salas O'Brien
2900 S. Telephone Road, Suite 120
Moore, OK 73160
Salas O'Brien Registration: CA# 7058
Expiration Date : 6/30/2025
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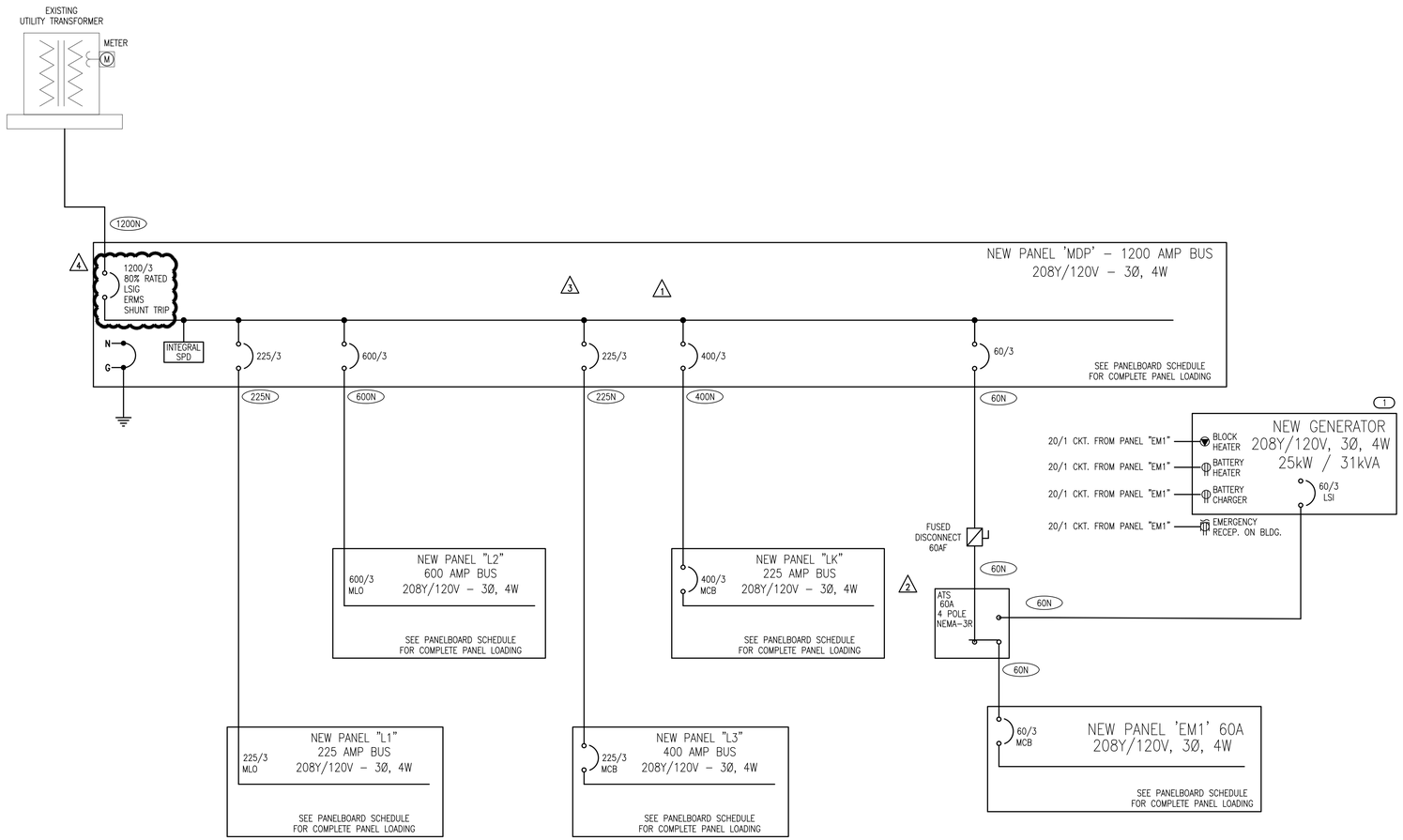

1 ONE-LINE DIAGRAM

NO SCALE

FEEDER SCHEDULE

AMPS	CONDUIT SIZE 4W	CONDUIT SIZE 3W	PHASE CONDUCTORS	EQUIPMENT GROUND CONDUCTOR
20	3/4"	3/4"	#12	#12
25	3/4"	3/4"	#10	#10
30	3/4"	3/4"	#10	#10
35	1"	3/4"	#8	#10
40	1"	3/4"	#8	#10
45	1"	1"	#6	#10
50	1"	1"	#6	#10
60	1 1/4"	1 1/4"	#4	#10
70	1 1/4"	1 1/4"	#4	#8
80	1 1/4"	1 1/4"	#3	#8
90	1 1/2"	1 1/4"	#2	#8
100	1 1/2"	1 1/4"	#2	#8
110	2"	1 1/2"	#1	#6
125	2"	1 1/2"	#1	#6
150	2"	1 1/2"	#1/0	#6
175	2"	2"	#2/0	#6
200	2"	2"	#3/0	#6
225	2 1/2"	2"	#4/0	#4
250	3"	2 1/2"	250 kcmil	#4
300	3"	3"	350 kcmil	#4
350	3 1/2"	3"	500 kcmil	#3
400	(2) 2"	(2) 2"	2 SETS OF #3/0	#3
450	(2) 2 1/2"	(2) 2"	2 SETS OF #4/0	#2
500	(2) 2 1/2"	(2) 2 1/2"	2 SETS OF 250 kcmil	#2
600	(2) 3"	(2) 3"	2 SETS OF 350 kcmil	#1
700	(2) 3 1/2"	(2) 3"	2 SETS OF 500 kcmil	#1/0
800	(3) 3"	(3) 2 1/2"	3 SETS OF 300 kcmil	#1/0
900	(3) 3 1/2"	(3) 3"	3 SETS OF 400 kcmil	#2/0
1000	(3) 3 1/2"	(3) 3"	3 SETS OF 500 kcmil	#2/0
1200	(4) 3"	(4) 3"	4 SETS OF 350 kcmil	#3/0
1600	(5) 3 1/2"	(5) 3"	5 SETS OF 500 kcmil	#4/0
1800	(6) 3 1/2"	(6) 3"	6 SETS OF 400 kcmil	250 kcmil
2000	(6) 3 1/2"	(6) 3"	6 SETS OF 500 kcmil	250 kcmil
2500	(7) 3 1/2"	(7) 3"	7 SETS OF 500 kcmil	350 kcmil

NOTES:

1. FEEDER SIZES ARE ON THE PLAN WHERE 60 REFERS TO A 60A FEEDER WITHOUT NEUTRAL AND 60N REFERS TO A 60A FEEDER WITH NEUTRAL.
2. SOME FEEDER SIZES DO NOT MATCH BREAKER SIZE DUE TO UP-SIZING OF THE FEEDER FOR VOLTAGE DROP.
3. CONDUITS ARE SIZED PER NEC TABLES FOR THHN/THWN AND MAY BE UPSIZED FOR EASE OF PULLING OR DOWNSIZED AS ALLOWED PER NEC FOR CONDUIT TYPE(S) BEING INSTALLED.
4. ALL CONDUCTORS 100A AND LESS ARE SIZED PER 60 DEGREE LUGS, EC MAY SIZE CONDUCTORS FOR ACTUAL RATING OF LUGS PER NEC.

GENERAL NOTES

1. AIC RATINGS ARE ESTIMATED BASED ON AVAILABLE DATA DURING DESIGN. CONTRACTOR TO VERIFY AVAILABLE FAULT CURRENT WITH UTILITY.

KEYED NOTES

(1) GENERATOR SHALL BE DUAL FUEL – NATURAL GAS AND PROPANE. GENERATOR SHALL HAVE FUEL TYPE AUTOMATIC SWITCHOVER CAPABILITY. BASIS OF DESIGN – KOHLER MODEL 25CCL 25/31 KW/KVA.

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MOORE PUBLIC SCHOOLS

CHILD CARE FACILITY
201 N. EASTERN AVE.

sheet no:

E401

Salas O'Brien
2900 S. Telephone Road, Suite 120
Moore, OK 73160
Salas O'Brien Registration: CA# 7058
Expiration Date : 6/30/2025
Salas O'Brien Project Number: 2450-70304-00

Panel L3

ROOM
MOUNTING SURFACE
FED FROM MDP
NOTE [DOUBLE TUB 6"]

VOLTS 208Y/120V 3P 4W
BUS AMPS 225
NEUTRAL 100%

AIC 65,000
MAIN BKR 225
LUGS STANDARD

CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION		CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION
1	20/1	0.18	RM 410 RECEPTACLE	a	2	20/1	0.73	LIGHTING
3	20/1	0.18	RM 410 RECEPTACLE	b	4	20/1	0.619	LIGHTING
5	20/1	0.18	RM 410 RECEPTACLE	c	6	20/1	0.838	LIGHTING
7	20/1	0.72	RM 410 RECEPTACLE	a	8	20/1	0.918	LIGHTING
9	20/1	0.72	RM 409 RECEPTACLE	b	10	20/1	0.99	LIGHTING
11	20/1	0.72	RM 406 RECEPTACLE	c	12	20/1	0.72	ROOFTOP RECEPTACLE
13	20/1	0.72	RM 405 RECEPTACLE	a	14	20/1	0.37	WATER COOLER RECEPTACLE
15	20/1	0.72	RM 404 RECEPTACLE	b	16	20/1	0.54	RM 1 RECEPTACLE
17	20/1	1.2	COPY MACHINE	c	18	20/1	1.09	CORRIDOR 412 RECEPTACLE, CORRIDOR 416 RECEPTACLE, CORRIDOR 435 RECEPTACLE, RM 411 RECEPTACLE, TRAP PRIMER
19	20/1	0.36	RM 403 RECEPTACLE	a	20	20/1	0.72	RM 1A RECEPTACLE, RM 1 RECEPTACLE
21	20/1	0.36	RM 402 RECEPTACLE	b	22	20/1	0.55	RM 436A RECEPTACLE, RM 436 RECEPTACLE, TRAP PRIMER
23	20/1	0.36	RM 402 RECEPTACLE	c	24	20/1	0.36	RM 436 RECEPTACLE
25	20/1	0.54	RM 402 RECEPTACLE	a	26	20/1	0.9	RM 105G RECEPTACLE, RM 201 RECEPTACLE
27	20/1	0.72	RM 401 RECEPTACLE	b	28	20/1	0.54	RM 201A RECEPTACLE, RM 201 RECEPTACLE
29	20/1	0.72	RM 305 RECEPTACLE, SMARTBOARD	c	30	20/1	0.9	RM 301B RECEPTACLE, RM 302 RECEPTACLE
31	20/1	0.72	RM 301E RECEPTACLE, RM 305 RECEPTACLE	a	32	20/1	0.72	RM 302 RECEPTACLE, SMARTBOARD
33	20/1	0.9	RM 301D RECEPTACLE, RM 304 RECEPTACLE, SMARTBOARD	b	34	20/1	0.72	RM 417A RECEPTACLE, RM 417B RECEPTACLE, RM 417C RECEPTACLE, RM 417 RECEPTACLE
35	20/1	0.72	RM 304 RECEPTACLE	c	36	20/1	0.72	RM 417 RECEPTACLE
37	20/1	0.72	RM 301C RECEPTACLE, RM 303 RECEPTACLE	a	38	20/1	0.36	RM 417 RECEPTACLE
39	20/1	0.9	RM 303 RECEPTACLE, SMARTBOARD	b	40	15/1	0.696	EF-4
41	20/1	0.54	RM 413 RECEPTACLE, RM 414 RECEPTACLE, RM 415 RECEPTACLE	c	42	15/1	0.696	EF-3
43	20/1	0.54	EXTERIOR RECEPTACLE, RECEPTACLE	a	44	20/2	2	EFH-3
45	20/1	1.09	CORRIDOR 412 RECEPTACLE, CORRIDOR 419 RECEPTACLE, RM 418 RECEPTACLE, TRAP PRIMER	b	46	|		
47	20/1	0.54	CORRIDOR 407 RECEPTACLE, CORRIDOR 408 RECEPTACLE	c	48	20/2	2	EFH-2
49	20/1	0.48	LIGHTING	a	50	|		
51	20/2	1.12	LIGHTING	b	52	15/1	0.696	EF-8
53	|			c	54	20/1	0.5	RM 417 PROJECTOR
55	20/1	0	SPACE	a	56	20/1	0.5	RM 417 PROJECTOR
57	20/1	0	SPACE	b	58	20/1	0.54	RM 409 RECEPTACLE
59	20/1	0	SPACE	c	60	20/1	0	SPACE
61	20/1	0	SPACE	a	62	20/1	0	SPACE
63	20/1	0	SPACE	b	64	20/1	0	SPACE
65	20/1	0	SPACE	c	66	20/1	0	SPACE
67	20/1	0	SPACE	a	68	20/1	0	SPACE
69	20/1	0	SPACE	b	70	20/1	0	SPACE
71	20/1	0	SPACE	c	72	20/1	0	SPACE
73	20/1	0	SPACE	a	74	20/1	0	SPACE
75	20/1	0	SPACE	b	76	20/1	0	SPACE
77	20/1	0	SPACE	c	78	20/1	0	SPACE
79	20/1	0	SPACE	a	80	20/1	0	SPACE
81	20/1	0	SPACE	b	82	20/1	0	SPACE
83	20/1	0	SPACE	c	84	20/1	0	SPACE

	CONN KVA	CALC KVA			CONN KVA	CALC KVA	
LIGHTING	5.7	7.12	(125%)	MOTORS	2.09	2.09	(100%)
LARGEST MOTOR	0.696	0.174	(25%)	RECEPTACLES	25.8	17.9	(50%>10)
				HEATING	4	4	(100%)
				TOTAL LOAD		31.3	
				BALANCED 3-PHASE LOAD		86.9 A	
				PHASE A		97.3%	
				PHASE B		104%	
				PHASE C		98.7%	

Panel L1

ROOM
MOUNTING SURFACE
FED FROM MDP
NOTE

VOLTS 208Y/120V 3P 4W
BUS AMPS 225
NEUTRAL 100%

AIC 65,000
MAIN BKR MLO
LUGS STANDARD

CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION		CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION
1	20/1	0.9	ROOFTOP RECEPTACLE	a	2	20/1	1.28	LIGHTING
3	20/1	0.36	RM 431 RECEPTACLE, RM 433 RECEPTACLE	b	4	20/1	0.996	LIGHTING
5	20/1	0.36	I.T. RECEPTACLE	c	6	20/1	0.706	LIGHTING
7	20/1	0.36	I.T. RECEPTACLE	a	8	20/1	0.48	LIGHTING
9	20/1	0.36	I.T. RECEPTACLE	b	10	20/1	0.636	LIGHTING
11	20/1	0.36	I.T. RECEPTACLE	c	12	20/1	1.06	LIGHTING
13	20/1	0.54	RM 434 RECEPTACLE	a	14	20/1	0.528	CP-3
15	20/1	0.54	RM 434 RECEPTACLE	b	16	20/1	0.1	WH-3
17	20/1	0.54	RM 430 RECEPTACLE	c	18	20/1	0.1	WH-4
19	20/1	0.36	RM 430 RECEPTACLE	a	20	20/1	0.1	WH-1
21	20/1	0.9	RM 429 RECEPTACLE, SMARTBOARD	b	22	20/1	0.1	WH-2
23	20/1	0	SPACE	c	24	20/1	0.1	WH-5
25	20/1	0.72	RM 1E RECEPTACLE, RM 5 RECEPTACLE	a	26	20/1	0.528	CP-2
27	20/1	0.93	CORRIDOR 428 RECEPTACLE, CORRIDOR 435 RECEPTACLE, RM 435 RECEPTACLE, TRAP PRIMER	b	28	15/1	0.696	EF-1
29	20/1	0.54	RM 5 RECEPTACLE	c	30	30/2	4.5	EWH-1
31	20/1	0.72	RM 1D RECEPTACLE, RM 4 RECEPTACLE	a	32	|		
33	20/1	0.54	RM 4 RECEPTACLE	b	34	15/1	0.696	EF-5
35	20/1	0.54	RM 3 RECEPTACLE	c	36	15/1	0.696	EF-6
37	20/1	0.72	RM 1C RECEPTACLE, RM 3 RECEPTACLE	a	38	15/1	0.696	EF-2
39	20/1	0.72	RM 1B RECEPTACLE, RM 2 RECEPTACLE	b	40	20/1	0.528	CP-1
41	20/1	0.54	RM 2 RECEPTACLE	c	42	20/2	2	EFH-1
43	20/1	0.54	RM 103 RECEPTACLE	a	44	|		
45	20/1	0.72	RM 101C RECEPTACLE, RM 103 RECEPTACLE	b	46	20/2	2	EFH-4
47	20/1	0.72	RM 101B RECEPTACLE, RM 102 RECEPTACLE	c	48	|		
49	20/1	0.54	RM 102 RECEPTACLE	a	50	15/1	0.696	EF-7
51	20/1	0.72	RM 101A RECEPTACLE, RM 101 RECEPTACLE	b	52	20/1	0.9	RM 301A RECEPTACLE, RM 301 RECEPTACLE, RM 303 RECEPTACLE
53	20/1	0.54	RM 101 RECEPTACLE	c	54	20/1	0.72	RM 301 RECEPTACLE, SMARTBOARD
55	20/1	0.72	RM 101D RECEPTACLE, RM 104 RECEPTACLE	a	56	20/1	0.72	RM 422 RECEPTACLE
57	20/1	0.54	RM 104 RECEPTACLE	b	58	20/1	0.54	RM 423 RECEPTACLE, RM 424 RECEPTACLE, RM 425 RECEPTACLE
59	20/1	0.72	RM 101E RECEPTACLE, RM 105 RECEPTACLE	c	60	20/1	0.72	RM 205 RECEPTACLE
61	20/1	0.9	CORRIDOR 436 RECEPTACLE, RM 105F RECEPTACLE, RM 105 RECEPTACLE	a	62	20/1	0.72	RM 201E RECEPTACLE, RM 205 RECEPTACLE
63	20/1	0.72	RM 201C RECEPTACLE, RM 203 RECEPTACLE	b	64	20/1	0.73	RM 201D RECEPTACLE, RM 204 RECEPTACLE, TRAP PRIMER
65	20/1	0.54	EXTERIOR RECEPTACLE	c	66	20/1	0.72	RM 204 RECEPTACLE
67	20/1	1.1	CORRIDOR 419 RECEPTACLE, CORRIDOR 420 RECEPTACLE, CORRIDOR 428 RECEPTACLE, RM 421 RECEPTACLE, TRAP PRIMER	a	68	20/1	0.72	RM 202 RECEPTACLE
69	20/1	0.36	TELECOM EQ	b	70	20/1	0.72	RM 201B RECEPTACLE, RM 202 RECEPTACLE
71	20/1	0.72	MEZZANINE RECEPTACLE	c	72	20/1	0.72	RM 203 RECEPTACLE
73	20/1	0.5	RM 429 PROJECTOR	a	74	20/1	0.415	DRYER, DRYER BOOSTER FAN
75	20/1	0.02	DOOR HOLD-OPEN SYSTEM, DOOR SPEAKER SYSTEM	b	76	20/1	0.84	WASHER
77	20/1	0	SPACE	c	78	20/1	0.18	FACP
79	20/1	0	SPACE	a	80	20/1	0	SPACE
81	20/1	0	SPACE	b	82	20/1	0	SPACE
83	20/1	0	SPACE	c	84	20/1	0	SPACE

	CONN KVA	CALC KVA			CONN KVA	CALC KVA	
LIGHTING	5.16	6.45	(125%)	MOTORS	5.56	5.56	(100%)
LARGEST MOTOR	0.696	0.174	(25%)	RECEPTACLES	31.5	20.8	(50%>10)
				HEATING	8.5	8.5	(100%)
				TOTAL LOAD		41.5	
				BALANCED 3-PHASE LOAD		115 A	
				PHASE A		111%	
				PHASE B		93.8%	
				PHASE C		95.1%	

Panel MDP

ROOM
MOUNTING SURFACE
FED FROM UTILITY
NOTE PROVIDE INTEGRAL SPD, SHUNT TRIP MAIN BREAKER

VOLTS 208Y/120V 3P 4W
BUS AMPS 1200
NEUTRAL 100%

AIC 65,000
MAIN BKR 1200
LUGS STANDARD

CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION		CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION
1	225/3	50.8	PANEL L1	a	2	600/3	138	PANEL L2
3	|			b	4	|		
5	|			c	6	|		
7	225/3	37.6	PANEL L3	a	8	400/3	93.3	PANEL LK
9	|			b	10	|		
11	|			c	12	|		
13	20/1	0	SPACE	a	14	60/3	9.38	TRANSFER SWITCH ATS
15	20/1	0	SPACE	b	16	|		
17	20/1	0	SPACE	c	18	|		
19	20/1	0	SPACE	a	20	20/1	0	SPACE
21	20/1	0	SPACE	b	22	20/1	0	SPACE
23	20/1	0	SPACE	c	24	20/1	0	SPACE
25	20/1	0	SPACE	a	26	20/1	0	SPACE
27	20/1	0	SPACE	b	28	20/1	0	SPACE
29	20/1	0	SPACE	c	30	20/1	0	SPACE

	CONN KVA	CALC KVA			CONN KVA	CALC KVA	
LIGHTING	16.7	20.9	(125%)	MOTORS	236	236	(100%)
LARGEST MOTOR	18	4.5	(25%)	RECEPTACLES	61.8	35.9	(50%>10)
				HEATING	15.3	15.3	(100%)
				TOTAL LOAD		312	
				BALANCED 3-PHASE LOAD		866 A	
				PHASE A		104%	
				PHASE B		100%	
				PHASE C		96%	

Panel L2

ROOM
MOUNTING SURFACE
FED FROM MDP
NOTE

VOLTS 208Y/120V 3P 4W
BUS AMPS 600
NEUTRAL 100%

AIC 65,000
MAIN BKR MLO
LUGS STANDARD

CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION		CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION
1	25/3	5.48	RTU-1	a	2	35/3	7.21	RTU-9
3	|			b	4	|		
5	|			c	6	|		
7	40/3	7.49	RTU-2	a	8	40/3	7.49	RTU-10
9	|			b	10	|		
11	|			c	12	|		
13	25/3	5.48	RTU-3	a	14	50/3	13.3	RTU-11
15	|			b	16	|		
17	|			c	18	|		
19	40/3	7.49	RTU-4	a	20	35/3	7.21	RTU-12
21	|			b	22	|		
23	|			c	24	|		
25	50/3	13.3	RTU-5	a	26	50/3	13.3	RTU-13
27	|			b	28	|		
29	|			c	30	|		
31	25/3	5.48	RTU-6	a	32	25/3	7.21	RTU-14
33	|			b	34	|		
35	|			c	36	|		
37	50/3	13.3	RTU-7	a	38	25/3	5.48	RTU-15
39	|			b	40	|		
41	|			c	42	|		
43	50/3	13.8	RTU-8	a	44	25/3	5.48	RTU-16
45	|			b	46	|		
47	|			c	48	|		
49	20/1	0	SPACE	a	50	20/1	0	SPACE
51	20/1	0	SPACE	b	52	20/1	0	SPACE
53	20/1	0	SPACE	c	54	20/1	0	SPACE
55	20/1	0	SPACE	a	56	20/1	0	SPACE
57	20/1	0	SPACE	b	58	20/1	0	SPACE
59	20/1	0	SPACE	c	60	20/1	0	SPACE

	CONN KVA	CALC KVA			CALC KVA
LARGEST MOTOR	13.8	3.46	(25%)	TOTAL LOAD	142
MOTORS	138	138	(100%)	BALANCED 3-PHASE LOAD	394 A
				PHASE A	100%
				PHASE B	100%
				PHASE C	100%

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KFC ENGINEERING
STRUCTURAL

SALAS O'BRIEN
MECHANICAL / ELECTRICAL

OKLAHOMA
TRAVIS V. OSTRAN
22650
07/29/25
REGISTERED PROFESSIONAL ENGINEER

DWG
drawn by

TVO
checked by

OCTOBER 2024
date

revisions
1 11/22/2024 AD 02
2 12/12/2024 AD 03
3 1/3/2025 AD 06
4 01/29/2025 CB02

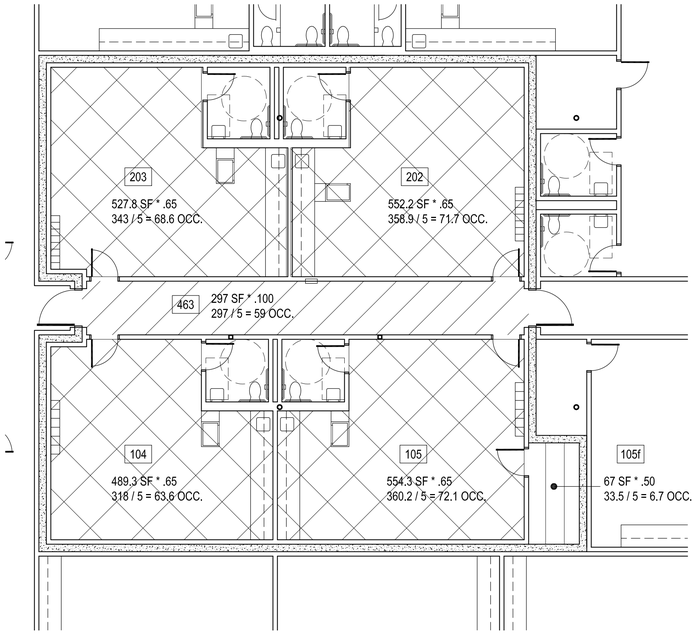
MOORE PUBLIC SCHOOLS

CHILD CARE FACILITY
201 N. EASTERN AVE.

sheet no:

E601

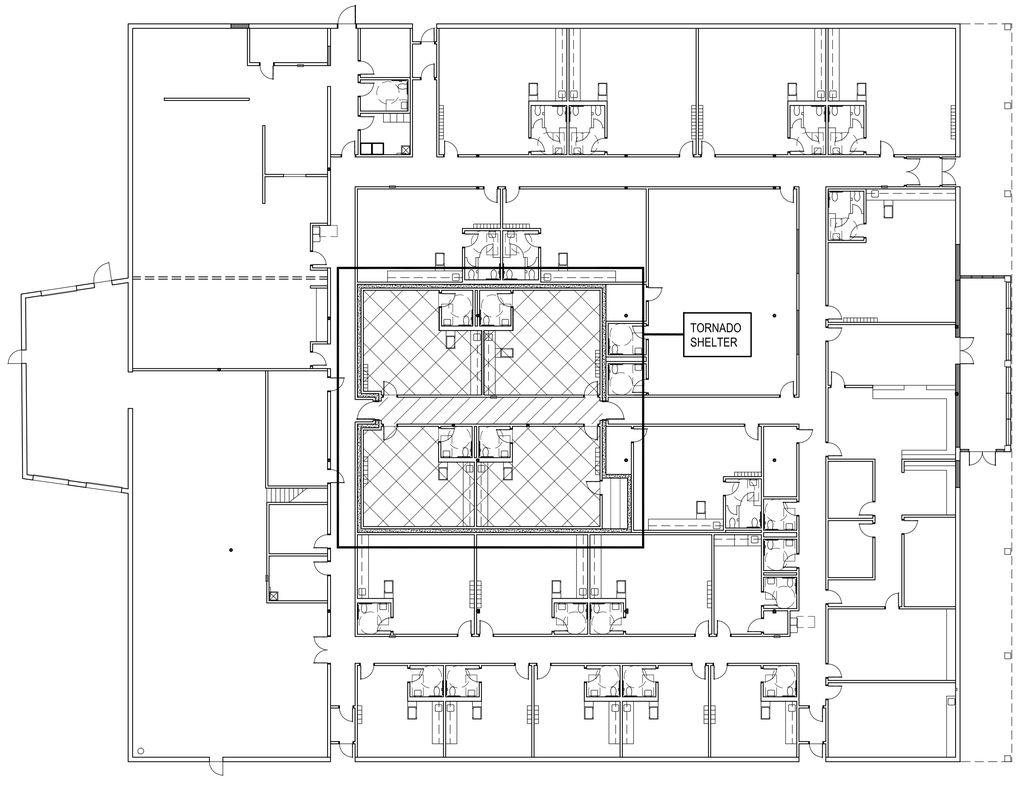
Salas O'Brien
2900 S. Telephone Road, Suite 120
Moore, OK 73160
Salas O'Brien Registration: CA# 7058
Expiration Date : 6/30/2025
Salas O'Brien Project Number: 2450-70304-00



NORTH

1 SHELTER CALCULATION PLAN

1/8" = 1'-0"



NORTH

2 SHELTER LOCATION PLAN

NO SCALE

GENERAL NOTES :

INDICATES AREA USED TO CALCULATE
USABLE SHELTER FLOOR AREA - 65% X 2,122 S.F. = 1,379.3 S.F.

INDICATES AREA USED TO CALCULATE
USABLE SHELTER FLOOR AREA - 100% X 297 S.F. = 297 S.F.

INDICATES AREA USED TO CALCULATE
USABLE SHELTER FLOOR AREA - 50% X 67 S.F. = 33.5 S.F.

TOTAL CALCULATION OF USABLE FLOOR AREA (ADJUSTED TO INCL. H.C.) = 1,709.5 S.F. / 5 = 339 OCCUPANTS + 2 H.C. = 341 TOTAL OCCUPANTS

2

3 PLUMBING FIXTURE REQUIREMENTS FOR ICC 500 2014
PLUMBING FIXTURES SHELTER CALCULATIONS :

TOTAL OCCUPANT LOAD = 341

TOTAL REQUIRED:	TOTAL PROVIDED:
WATER CLOSETS = 2	WATER CLOSETS = 4
LAVATORIES = 2	LAVATORIES = 4

Tornado Storm Shelter Construction:

A. Storm shelter has been designed and engineered to meet all applicable codes and standards including the following:
   1. ICC 500-2014 (International Code Council), ICC / NSSA Standard for the Design and Construction of Storm Shelters, American National Standard.

B. All construction shall comply with the above standards and guidelines including ICC-500 Section 107.2.1:
   1. Tornado - Community
   2. Re: Structural
   3. Re: Structural
   4. Re: Structural
   5. Re: Structural
   6. Re: Structural
   7. Re: Structural
   8. The storm shelter is not located within an area susceptible to flooding.
   9. Not applicable
   10. components meet pressure & missile impact test requirements.
   ** refer specifications, structural drawings & mechanical drawings
   11. Re: sheet G101
   12. Re: Sheet A301
   13. Finish floor elevation - Re: Sheet C300
   14. occupant load of shelter = 339 + 2 handicap
   15. useable shelter floor area = 1,709.5 s.f.
   16. Re: mechanical drawings
   17. Re: sheet G101
   18. Re: Structural
   19. Not applicable
   20. Not applicable
   21. Not applicable
   22. Not applicable

C. First aid kit shall be provided by owner & stored in the shelter & accessible by occupants

PROVIDE ONE (1) SIGN WITH THE NAME OF THE MANUFACTURER OR CONTRACTOR OF THE SHELTER AND THE STORM TYPE AND RESPECTIVE DESIGN WIND SPEED. THE SIGN SHALL REMAIN LEGIBLE AND VISIBLE - LOCATE AS PER ARCHITECT'S INSTRUCTIONS

SAMPLE OMNI CONSTRUCTION LLC

1

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MECHANICAL / ELECTRICAL

STATE OF OKLAHOMA
MICHAEL L. ABLA
2639
REGISTERED ARCHITECT

10/22/24

CG
drawn by

MA
checked by

OCTOBER 2024
date

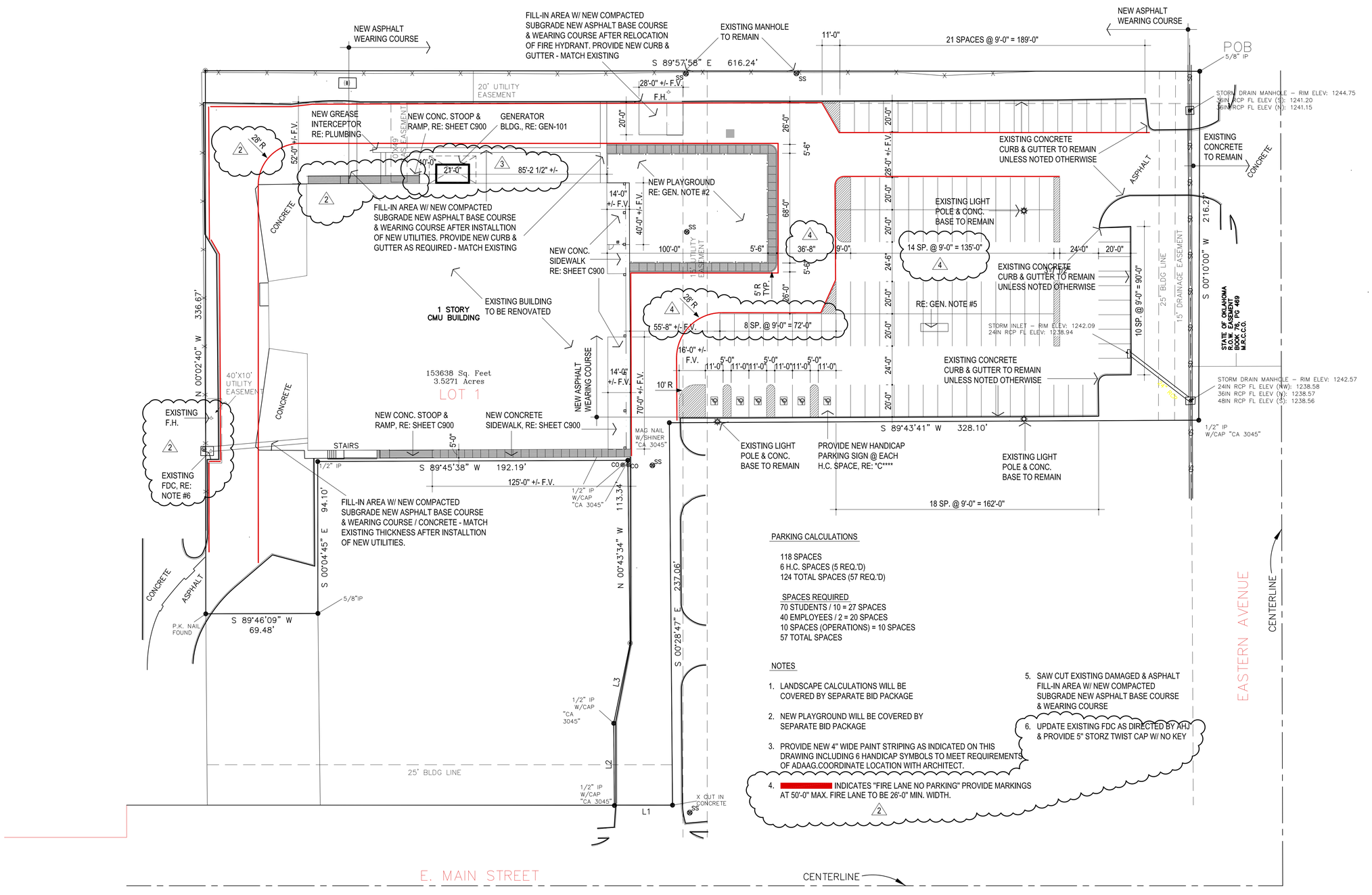
revisions
1 ADDENDUM #1
2 CB-1
3 CB-2

MOORE PUBLIC SCHOOLS

CHILD CARE FACILITY
201 N. EASTERN AVE.

sheet no:

G101



PARKING CALCULATIONS

118 SPACES
6 H.C. SPACES (5 REQ.'D)
124 TOTAL SPACES (57 REQ.'D)

SPACES REQUIRED
70 STUDENTS / 10 = 27 SPACES
40 EMPLOYEES / 2 = 20 SPACES
10 SPACES (OPERATIONS) = 10 SPACES
57 TOTAL SPACES

NOTES

1. LANDSCAPE CALCULATIONS WILL BE COVERED BY SEPARATE BID PACKAGE
2. NEW PLAYGROUND WILL BE COVERED BY SEPARATE BID PACKAGE
3. PROVIDE NEW 4" WIDE PAINT STRIPING AS INDICATED ON THIS DRAWING INCLUDING 6 HANDICAP SYMBOLS TO MEET REQUIREMENTS OF ADAAG.COORDINATE LOCATION WITH ARCHITECT.
4. ▬▬ INDICATES "FIRE LANE NO PARKING" PROVIDE MARKINGS AT 50'-0" MAX. FIRE LANE TO BE 26'-0" MIN. WIDTH. (2)
5. SAW CUT EXISTING DAMAGED & ASPHALT FILL-IN AREA W/ NEW COMPACTED SUBGRADE NEW ASPHALT BASE COURSE & WEARING COURSE
6. UPDATE EXISTING FDC AS DIRECTED BY AHJ & PROVIDE 5" STORZ TWIST CAP W/ NO KEY

NORTH

1 SITE PLAN - PARKING REQUIREMENTS

1" = 30'-0"

(2)

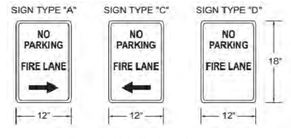


Figure D103.6 Fire Lane Signs

D103.6 Signs. Where required by the fire code official, fire apparatus access roads shall be marked with permanent NO PARKING-FIRE LANE signs complying with Figure DI03.6. Signs shall have a minimum dimension of 12 inches wide by 18 inches high and have red letters on a white reflective background. Signs shall be posted on one or both sides of the fire apparatus road as required by Section DI03.6.1 or DI03.6.2.

D103.6.1 Roads 20 to 26 feet in width. Fire apparatus access roads 20 to 26 feet wide shall be posted on both sides as a fire lane.

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STATE OF OKLAHOMA
MICHAEL L. ABLA
26'39
REGISTERED ARCHITECT
10/22/24

CG
drawn by

MA
checked by

OCTOBER 2024
date

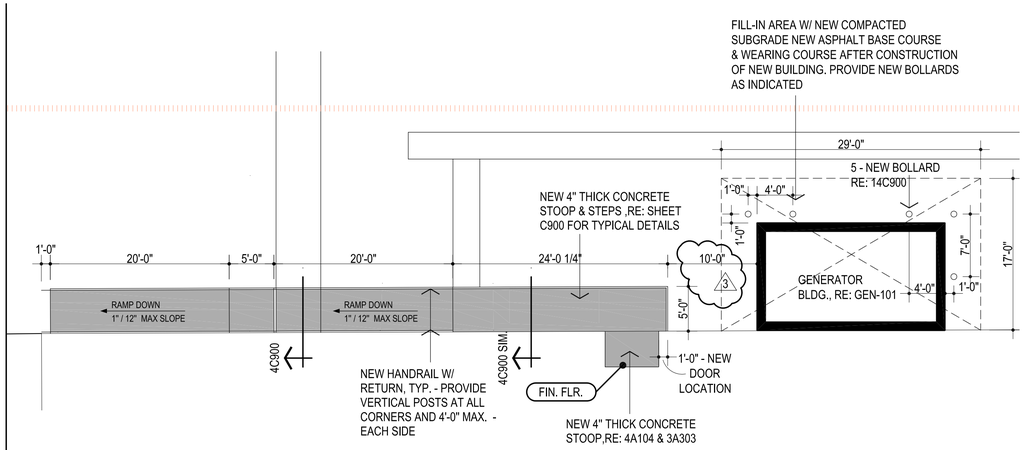
revisions
1 ADDENDUM #2
2 ADDENDUM #3
3 CB-1
4 CB-2

MOORE PUBLIC SCHOOLS

CHILD CARE FACILITY
201 N. EASTERN AVE.

sheet no:
C300

(1) ENTIRE SHEET

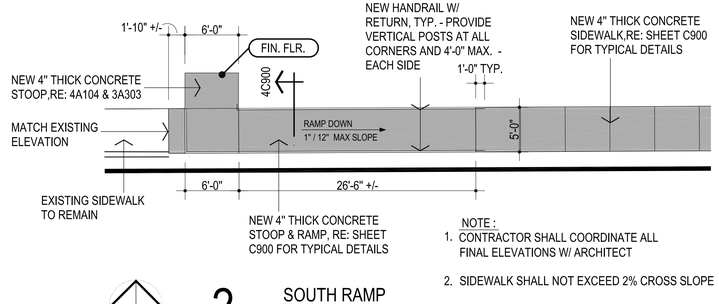


NORTH

1 NORTH RAMP

1/8" = 1'-0"

NOTE :
CONTRACTOR SHALL COORDINATE ALL FINAL ELEVATIONS W/ ARCHITECT



NOTE :
1. CONTRACTOR SHALL COORDINATE ALL FINAL ELEVATIONS W/ ARCHITECT
2. SIDEWALK SHALL NOT EXCEED 2% CROSS SLOPE

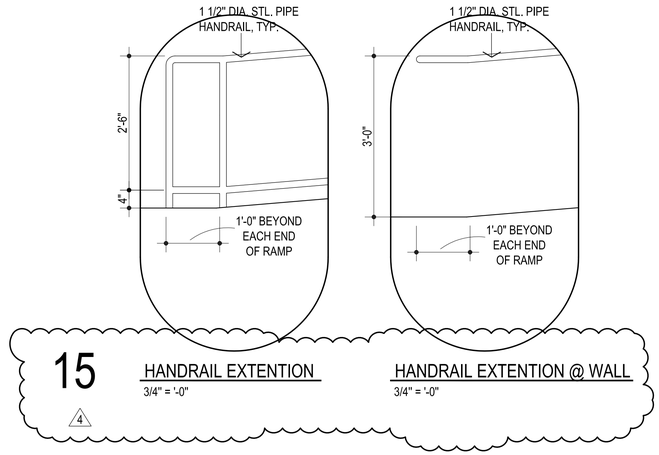
NORTH

2 SOUTH RAMP

1/8" = 1'-0"

3 NUMBER NOT USED

2

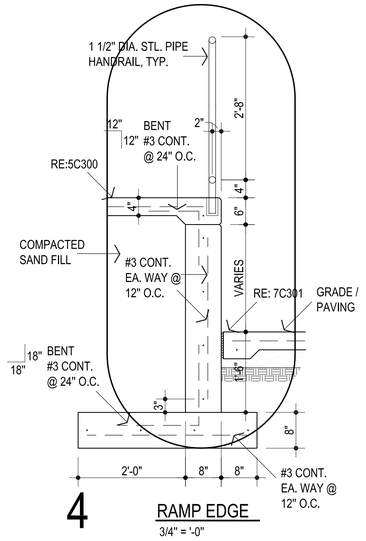


15 HANDRAIL EXTENTION

4 — 3/4" = '-0"

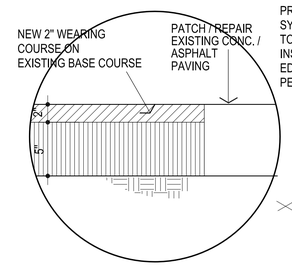
HANDRAIL EXTENTION @ WALL

3/4" = '-0"



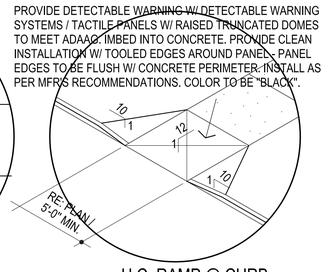
4 RAMP EDGE

3/4" = '-0"



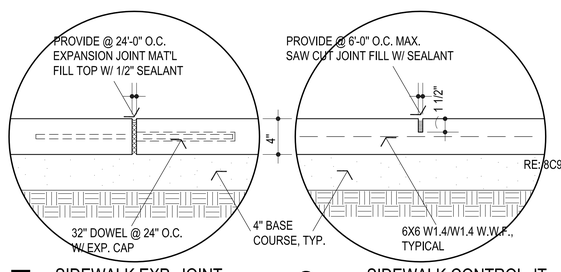
5 PAVING EDGE

NOT TO SCALE



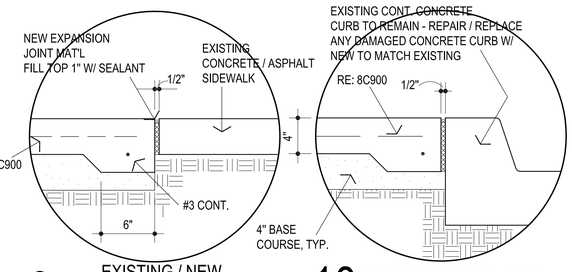
6 H.C. RAMP @ CURB

NOT TO SCALE



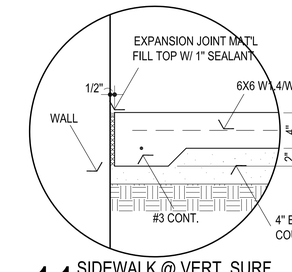
7 SIDEWALK EXP. JOINT

8 SIDEWALK CONTROL JT.

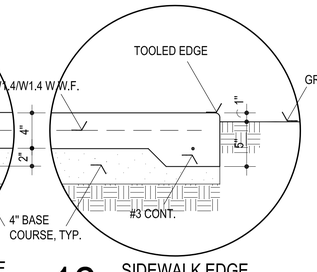


9 EXISTING / NEW CONCRETE SIDEWALK

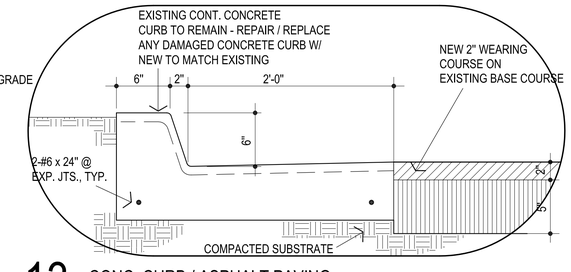
10 SIDEWALK / CONC. CURB



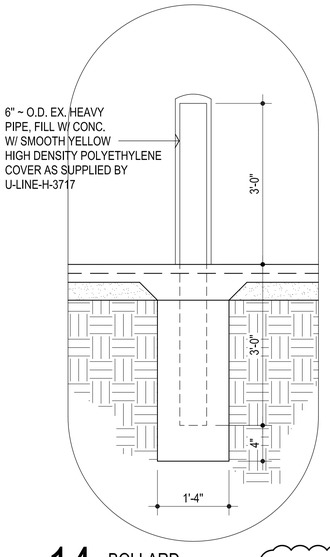
11 SIDEWALK @ VERT. SURF.



12 SIDEWALK EDGE



13 CONC. CURB / ASPHALT PAVING



14 BOLLARD

1 ENTIRE SHEET

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10/22/24

CG
drawn by

MA
checked by

OCTOBER 2024
date

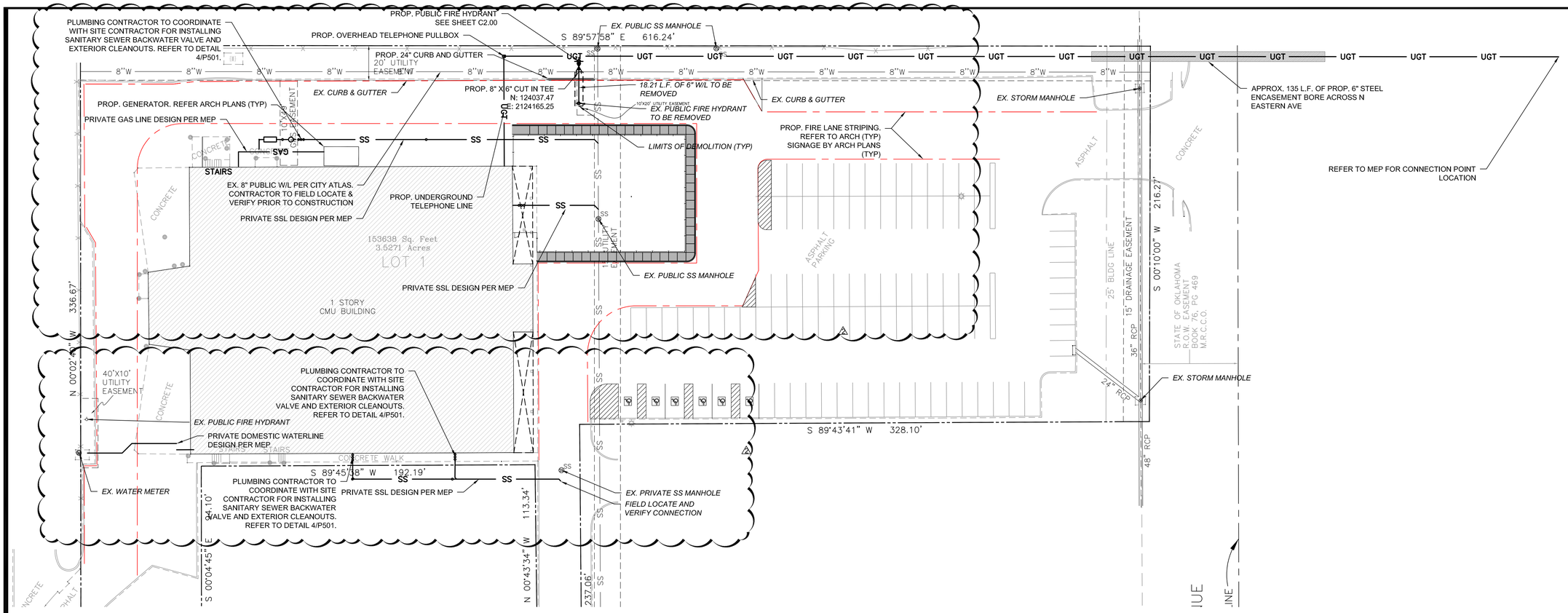
revisions
1 ADDENDUM #2
2 ADDENDUM #3
3 CB-1
4 CB-2

MOORE PUBLIC SCHOOLS

CHILD CARE FACILITY
201 N. EASTERN AVE.

sheet no:

C900



LEGEND

- EXISTING 1' CONTOUR
- EXISTING 5' CONTOUR
- PROPOSED 1' CONTOUR
- PROPOSED 5' CONTOUR
- BOUNDARY LINE
- RIGHT OF WAY LINE
- EASEMENT LINE
- EXISTING CURB AND GUTTER
- PROPOSED CURB AND GUTTER
- PROPOSED FIRE LANE STRIPING
- OHE — OVERHEAD ELECTRIC LINE
- UGE — UNDERGROUND ELECTRIC LINE
- GAS — GAS LINE
- UGT — UNDERGROUND TELEPHONE LINE
- FO — UNDERGROUND FIBER OPTIC LINE
- SS — SANITARY SEWER LINE
- W — WATERLINE
- RETAINING WALL
- SCREEN WALL
- WIRE FENCE
- CHAIN LINK FENCE
- BENCHMARK

- PROP. FIRE HYDRANT
- PROP. WATER VALVE
- PROP. WATER METER
- PROP. ELECT. METER
- PROP. LIGHT POLE
- PROP. BOLLARD
- PROP. TRANSFORMER
- PROP. PARKING COUNT
- PROP. WHEEL STOP
- PROP. FES
- PROP. HC RAMP
- PROP. POWER POLE
- PROP. SS MANHOLE
- PROP. GAS METER
- PROP. SIGN
- PROP. FIRE ROUTE SIGN
- PROP. INLETS (SEE GRADING PLAN FOR TYPE)
- VS — VERTICAL SEPARATION REQUIREMENT

*NOTE: REFER TO SURVEYING LEGEND FOR EXISTING STRUCTURES IDENTIFICATION

UTILITY NOTES

A. CONTRACTOR SHALL REFER TO THE CONSTRUCTION DOCUMENTS INCLUDING BUT NOT LIMITED TO THE WRITTEN SPECIFICATIONS, CONSTRUCTION DRAWINGS, STORM WATER POLLUTION PLAN, AND GEOTECHNICAL REPORT.

B. ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE OWNERS DESIGN GUIDELINES AND SPECIFICATIONS, AND WHERE APPLICABLE SHALL MEET THE REQUIREMENTS OF THE GOVERNING/PERMITTING AUTHORITY HAVING JURISDICTION.

C. CONTRACTOR IS RESPONSIBLE FOR THEIR OWN HORIZONTAL AND VERTICAL CONTROL, REFERENCE POINTS AND CONSTRUCTION STAKING AS INCIDENTAL TO THE PROJECT.

D. THE CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS/PROPERTY LINES/UTILITIES/DRAINAGE PRIOR TO CONSTRUCTION START.

E. ALL WORK NOT CLASSIFIED AS A CONTRACT PAY ITEM SHALL BE CONSIDERED AS INCIDENTAL AND THE COST THEREOF SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEMS WHICH ARE CLASSIFIED FOR PAYMENT.

F. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND MEP PLANS AND SPECIFICATIONS BEING A PART OF THE CONSTRUCTION DOCUMENTS FOR THE EXACT LOCATIONS AND DIMENSIONS OF ENTRY, EXIT PORCHES, PRECISE BUILDING DIMENSIONS, EXACT BUILDING UTILITY ENTRANCE, AND DOWNSPOUT LOCATIONS/SPECIFICATIONS/DETAILS.

G. REFER TO ARCHITECTURE PLANS FOR SITE LIGHTING/LIGHT POLE BASES AND ELECTRICAL CONDUIT PLACEMENT AND SPECIFICATIONS. POLE LOCATIONS ARE SHOWN ON THIS SHEET FOR REFERENCE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND ADJUST ANY CONSTRUCTED CONFLICTS WITH UNDERGROUND UTILITIES, SIDEWALKS, ETC.

H. CONTRACTOR IS REQUIRED TO CALL ONE CALL AS WELL AS THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION/CONSTRUCTION ACTIVITIES TAKE PLACE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS.

I. CONTRACTOR SHALL ENSURE ALL CONSTRUCTED UTILITIES MEET THE MINIMUM SEPARATION AND COVER REQUIREMENTS SET FORTH BY THE PROVIDER, FEDERAL/STATE/LOCAL REGULATIONS, OR SPECIFICATIONS. IN THE EVENT THERE IS A CONFLICT THE MOST STRINGENT SHALL APPLY.

J. GENERAL CONTRACTOR TO PROVIDE 2'X2'X6" THICK CONCRETE APRON AT ALL CLEANOUTS, VALVES AND METERS OUTSIDE OF BUILDING.

K. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TAP AND TIE ON FEES REQUIRED, AS WELL AS COST OF UNDERGROUND SERVICE CONNECTIONS TO THE BUILDINGS.

L. THRUST BLOCKING SHALL BE PROVIDED AT ALL BENDS, TEES, AND FIRE HYDRANTS.

M. DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR FITTING.

N. ALL WATER AND SANITARY SEWER LEADS TO BUILDING SHALL END 5' OUTSIDE THE BUILDING LIMITS AS SHOWN ON PLAN AND SHALL BE PROVIDED WITH A TEMPORARY PLUG AT END.

O. ALL FIRE HYDRANTS SHALL BE PROVIDED WITH AN APPROVED GATE VALVE A MAXIMUM OF 5'(UNLESS OTHERWISE SPECIFIED BY CITY OFFICIAL) FROM HYDRANT.

P. CONTRACTOR SHALL COMPLY COMPLETELY WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE, BUT NOT LIMITED FOR ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH PERFORMANCE CRITERIA AS REQUIRED BY OSHA.

Q. REFER TO FIRE PROTECTION SHEETS FOR LOCATION AND DETAIL OF FIRE LINE LEAD IN. FIRE LINE SHALL BE STUBBED UP 1' ABOVE FFE IN SPRINKLER ROOM.

R. REFER TO PLUMBING SHEETS FOR LOCATION AND DETAILS OF SEWER, DOMESTIC, AND IRRIGATION CONNECTIONS.

S. CONTRACTOR SHALL REFER TO IRRIGATION PLANS FOR ACTUAL LOCATION, SIZE, LENGTH AND DEPTH. TEMPORARILY PLUG BOTH ENDS. IRRIGATION CONTRACTOR WILL REMOVE TEMPORARY PLUGS, INSTALL LINES AND PROPERLY SEAL BOTH ENDS.

T. THE FIRE DEPARTMENT CONNECTION (FDC) SHALL BE LOCATED ON THE STREET SIDE OF ANY STRUCTURE. THE FDC SHALL BE LOCATED AND ARRANGED SO THAT THE HOSE LINES CAN BE READILY ATTACHED TO THE INLETS WITHOUT INTERFERENCE FROM OBJECTS.

U. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE EXTENSIONS OF ALL UTILITY SERVICE LINES TO THE MAIN UTILITY LINES.

V. ALL CONDUIT SHALL BE SCHEDULE 40 PVC, UNLESS OTHERWISE NOTED.

W. CONTRACTOR SHALL REFER TO LANDSCAPE AND IRRIGATION PLAN FOR LOCATION AND CONSTRUCTION DETAILS OF LANDSCAPING AND IRRIGATION.

BEFORE YOU DIG 811 CALL OKIE

N

SCALE IN FEET
0 30' 45' 60'

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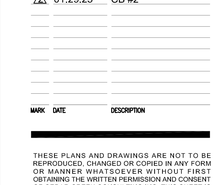
LOCATION MAP:



NOT TO SCALE

PROJECT:

MPS DAYCARE

201 N. EASTERN
MOORE OK

PROJECT NUMBER: 24110
DRAWING DATE: 11.05.24
ISSUE DATE: 11.05.24

SEAL:

SUBMITTAL:

PERMIT SET

REVISIONS:

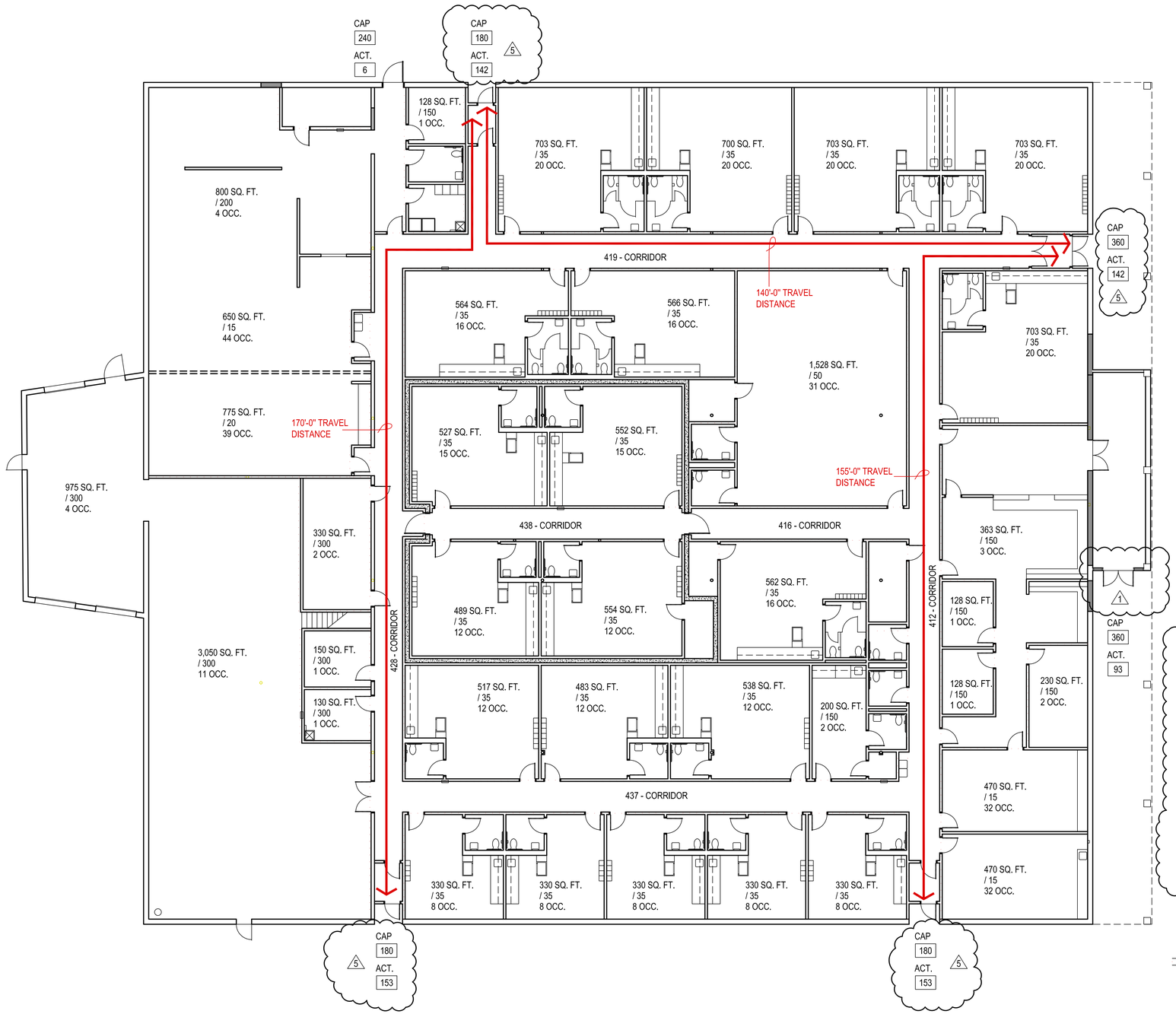
MARK	DATE	DESCRIPTION
1	01.07.25	CB #1
2	01.29.25	CB #2

DRAWING TITLE:

UTILITY PLAN

SHEET:

C1.00



NORTH

1 LIFE SAFETY PLAN 2 5

3/32" = 1'-0"

CONSTRUCTION DATA (TABLE 503):

OCCUPANCY -	I-4
CONSTRUCTION TYPE -	TYPE II - B
BASIC ALLOWABLE AREA -	I-4 - 52,000 S.F. PER FLOOR
ALLOWABLE STORIES -	3
ACTUAL STORIES -	1
ACTUAL HEIGHT -	23'-4"

BUILDING SIZES:

BUILDING : 1 STORY @ 32,200 S.F.

STRUCTURAL FIRE PROTECTION (TABLE 601):

EXTERIOR BEARING WALLS	0 HOUR
INTERIOR BEARING WALLS	NONCOMBUSTIBLE
EXTERIOR NONBEARING WALLS	NONCOMBUSTIBLE
COLUMNS	0 HOUR
BEAMS	0 HOUR
PERMANENT PARTITIONS	NONCOMBUSTIBLE
FLOOR ASSEMBLIES	0 HOUR
ROOF ASSEMBLIES	0 HOUR
EXTERIOR OPENINGS	N/A

PASSIVE FIRE SAFETY SYSTEM:
PORTABLE FIRE EXTINGUISHERS (RE: SHEETS A104)
TRAVEL DISTANCE = 250'-0" MAX.
ACTUAL MAX. TRAVEL DISTANCE = 170'-0"
DEADEND - 50'-0" MAX.
ACTUAL DEADEND - NONE

ACTIVE FIRE SAFETY SYSTEMS (EXISTING & NEW ADDITION):
FIRE SPRINKLER SYSTEM THROUGHOUT
FIRE ALARM SYSTEM
SMOKE DETECTION
AUTOMATIC AIR HANDLING EQUIP. SHUTDOWN
EXIT LIGHTS/EMERGENCY LIGHTS BATTERY

CODES/REGULATIONS USED (CITY OF MOORE):
2018 IBC - INTERNATIONAL BUILDING CODE
AMERICAN WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES
2020 NATIONAL ELECTRICAL CODE
2018 INTERNATIONAL PLUMBING CODE
2018 INTERNATIONAL MECHANICAL CODE
2018 INTERNATIONAL FIRE CODE
2009 ENERGY CONSERVATION CODE
ASSOCIATED SUPPLEMENTS TO EACH CODE

OCCUPANT LOAD (TABLE 1004.5) :

BUILDING RENOVATION: 489 OCCUPANTS BY IBC CODE EGRESS ONLY

EGRESS WIDTH:

BUILDING RENOVATION: REQUIRED 97.8"
BUILDING RENOVATION: PROVIDED 432" 5

PLUMBING FIXTURES (TABLE 2902.1) :
BASED ON ACTUAL OCCUPANTS:
(DOUBLE-UP OCCUPANTS REMOVED)

TOTAL OCCUPANT LOAD (INSTITUTIONAL) = 336

TOTAL REQUIRED:	TOTAL PROVIDED:
WATER CLOSETS = 23	WATER CLOSETS = 34
LAVATORIES = 23	URINALS = 0
DRINKING FOUNTAINS = 4	LAVATORIES = 49
SERVICE SINKS = 1	DRINKING FOUNTAINS = 4
	SERVICE SINKS = 2

DENOTES 1 HR. RATED PARTITIONS CLOSE-OUT TO BOTTOM OF DECKING - CLOSE-OUT PARTITIONS TO BE CMU WHERE INDICATED ON STRUCTURAL FOR LOAD BEARING CONDITIONS. ALL OTHER INDICATED LOCATIONS TO BE CONSTRUCTED OF 1 LAYER OF 5/8" FIRE RATED GYP. BOARD EACH SIDE ON 6" METAL STUDS @ 16" O.C. STAGGER ALL JOINTS & PROVIDE FIRE TAPE. SEAL ALL PENETRATIONS W/ CONTINUOUS FIRE STOPPING INSULATION &/OR SEALANT.

CORRIDOR WIDTH REQUIREMENTS :

*** DENOTES NUMBER OF OCCUPANTS PER ROOM / EXIT

3 5

412 - CORRIDOR : 99 MAX. OCCUPANTS X 0.20 = 19.8" REQ'D / 72" PROVIDED
416 / 438 - CORRIDOR : 60 MAX. OCCUPANTS X 0.20 = 12" REQ'D / 72" PROVIDED
419 - CORRIDOR : 120 MAX. OCCUPANTS X 0.20 = 24" REQ'D / 80" PROVIDED
428 - CORRIDOR : 153 MAX. OCCUPANTS X 0.20 = 31" REQ'D / 72" PROVIDED
437 - CORRIDOR : 39 MAX. OCCUPANTS X 0.20 = 7.8" REQ'D / 72" PROVIDED

ALL CORRIDORS & EXIT DOORS EXCEED MINIMUM CLEARANCES AS REQUIRED BY IBC & ADA

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STATE OF OKLAHOMA
MICHAEL L. ABLA 2639
REGISTERED ARCHITECT
10/22/24

CG
drawn by

MA
checked by

OCTOBER 2024
date

revisions
1 ADDENDUM #1
2 ADDENDUM #2
3 ADDENDUM #3
4 CB-1
5 CB-2

MOORE PUBLIC SCHOOLS

CHILD CARE FACILITY
201 N. EASTERN AVE.

sheet no:

A102

END OF CB-02