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addendum no. three

OWASSO PUBLIC SCHOOLS
Owasso 8th Grade Addition

Owner:
Independent School District No. 11
Tulsa County
Owasso, Oklahoma

Architect: The Stacy Group
Project Number: 2407

03.26.2026

8091 N. Owasso Expressway, Owasso, OK 74055. (918)272-2622 fax: (918)272-2633

addendum number: **THREE (3)**

date: 03.26.2026

project: Owasso Public Schools
Owasso 8th Grade Addition
Owasso, OK

project number: 2407

architect: The Stacy Group
8091 N Owasso Expressway
Owasso, OK 74055
(918) 272-2622
f (918) 272-2633

To: Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated **November 25, 2025**, as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

Clarifications: **None**

Pre-Qualifications: **None**

Specifications:

A3-1 **Section 083330 Serving Coiling Security Grilles**: Reissue section in its entirety.

A3-2 **Section 114000 Kitchen Equipment:** Reissue section in its entirety.

Drawings:
General: None

Civil:
A3-3 Sheet C100 Cover Sheet:
- Sheet C300A added to sheet index

A3-4 Sheet C200 Overall Erosion Control Plan:
- Silt Fence limits reduce west of the tennis court.

A3-5 Sheet C201 Demolition & Phase I Erosion Control Plan:
- Note added at West waterline tee
- FDC on West side of existing South building to be removed and moved to the east side of building or combined into new system. This was at the Fire Chief's request.
- Pavement transition notes added to all areas where new pavement will abut the existing pavement
- A portion of existing concrete channel on east side of site is no longer being removed.

A3-6 Sheet C202 Phase II Erosion Control Plan:
- Silt Fence limits revised on East side of project
- Inlet Protection moved to match relocation of Storm Inlet
- Sodding limits revised on Southwest side of project

A3-7 Sheet C300 Overall Grading Plan:

- Circle drive to the East grading has been revised based on the changes to the trash enclosure, West leg and increased radius in multiple locations.
- South drive grading has been revised based on the changes to the fire access drive

A3-8 Sheet C300A Detention Area Grading Plan: Add sheet in its entirety.

A3-9 Sheet C301 Retaining Wall Plan:
- Wall raised from 24" to 42" at east.
- Grades adjusted where applicable for the raised wall.

A3-10 Sheet C303 Revised Detention Area & Compensatory Storage:
- All tables were updated
- Grades adjusted where applicable for the raised wall.
- Grades in the west portion of the detention area were adjusted to keep existing manholes at existing grade.
- Labels added to identify existing practice softball field and manholes

A3-11 Sheet C400 Overall Site Plan:
- West leg of East circle drive was widened to 20' from 15' to provide fire access
- Radius on South side of drive was increased from 15' to 20' and the East radius was increased from 20' to 30' to provide more room within trash enclosure limits to provide better access for Garbage truck.
- East Radius on both the entry and exit points of circle drive were increased (West from 15' to 28' and East from 15' to 20')
- West radius of the entry to circle drive was reduced to 12' from 15' to accommodate larger radius on the exit East radius.
- 2- "Do not enter" added to West leg of circle drive
- Trash enclosure was rotated 15 degrees for better access for garbage truck.
- Direction areas were added to ensure proper traffic flow around circle drive.
- Fire Access drive located on southwest side the new building addition was changed back to a hammerhead from the cul-de-sac.
- Callouts for curb & gutter added
- Detail references added to all pavement transition callouts
- Detail references added to all transitional curb callouts
- Dimensioning removed for replacement of existing concrete channel to the east of site (no longer applicable)
- Disturbed area updated in site data table

A3-12 Sheet C401 Paving Plan:
- Heavy Duty Concrete added to legend
- Circle Drive hatches updated to reflect paving adjustments and the addition of heavy duty pavement to the trash enclosure area.
- South Fire Access Drive hatches updated to reflect paving adjustments
- Hatching removed for replacement of existing concrete channel to the east of site (no longer applicable)

A3-13 Sheet C402 Joint Layout 1:
- Detail B Joint Layout updated to reflect changes made to the circle drive.

A3-14 Sheet C600 Overall Utility Plan:
- Fire Feeder line associated Remote FDC removed
- FDC added to east face of proposed building
- Existing FDC callout removed and note added to Contractor Notes with additional information regarding the relocation of this FDC
- Detail references added to all sanitary sewer cleanout callouts
- Note added to provide conduits for all crossing along new 6" waterline.
- Fire hydrant previously located by removed FDC was moved to be within 100' of the FDC location on the east face of the new addition.
- Storm Inlet labels added to storm line

- Storm inlet “a2” moved to the north
- Slopes and flowlines adjusted from a1 to a5
- Roof drain to the south rerouted to connect to roof drain collection to the north
- Detail references added to roof drains that are to be collected in an underground system.
- New FH on south east portion of project move north to be closer to fire access road.

A3-15 Sheet C601 Storm Profile:
- Profile, slopes, capacities and crossing updated for realignment of storm line.

A3-16 Sheet C602 Fire Department Plan:
- Fire Access route and fire line striping updated to reflect hammerhead on southeast portion of site
- Fire Access and fire line striping added to west leg of circle drive.
- FDC on building is shown to be within 100’ of a FH
- Dead end distance shown on west leg of circle drive.

A3-17 Sheet C800 Detail Sheet 1:
- Detail DD added

A3-18 Sheet C801 Detail Sheet 2:
- Detail MM – Remote FDC removed and replaced with Heavy Duty Pavement

A3-19 Sheet C802 Detail Sheet 3:
- Details Q, R, & S concrete depths adjusted to reference standard and heavy duty concrete.

A3-20 Sheet W104 Overall Waterline Plan:
- Existing FDC callout revised with additional information regarding the relocation of this FDC
- New FH on south east portion of project move north to be closer to fire access road.
- Fire Feeder line associated Remote FDC removed
- Fire hydrant previously located by removed FDC was moved to be within 100’ of the FDC location on the east face of the new addition.
- Additional notes added to sheet

A3-21 Sheet W105-106 Waterline Profiles:
- Profiles updated for fire hydrant relocations
- Restrain joints updated
- Removed Fire feeder line crossing (no longer applicable)
- Callout PVC sleeve for existing road crossing

Architectural:

A3-22 Sheet D100 Overall Demo Plan: Add Demolition Keynote Legend. Replace sheet in its entirety.

A3-23 Sheet A101 Floor Plan Area 1 – Reference: Revise door openings. Replace sheet in its entirety.

A3-24 Sheet A103 Floor Plan Area 3 – Reference: Revise security film note at secure vestibule. Replace sheet in its entirety.

A3-25 Sheet A150 Roof Plan: Add notes for work on existing roof. Replace sheet in its entirety.

A3-26 Sheet A301 Reflected Ceiling Plan Area 1 Base Bid: Replace sheet in its entirety.

A3-27 Sheet A310 Ceiling Details: Revised Detail 14/A310. Replace sheet in its entirety.

A3-28 Sheet A510 Wall Sections: Revise detail 16. Replace sheet in its entirety.

A3-29 Sheet A600 Plan Details: Revise detail 21. Replace sheet in its entirety.

A3-30 Sheet A601 Plan Details: Add detail 4. Replace sheet in its entirety.

Interiors:

A3-31 Sheet AI101 Finish Plan Area 1 Base Bid: Add plan section details. Replace sheet in its entirety.

A3-32 Sheet AI111 Floor Pattern Plan Area 1 Base Bid: Revised floor finish locations at doors. Replace sheet in its entirety.

A3-33 Sheet AI401 Interior Elevations: Revised elevation. Replace sheet in its entirety.

A3-34 Sheet AI701 Signage Schedule: Revised sign types. Replace sheet in its entirety.

Structural:

A3-35 Sheet S003 – Schedules and Typical Details: Clarified beam to column connections.

A3-36 Sheet S007 – Precast Panel Elevations:
31/S007 – Added shroud information at wall pipe penetrations

A3-37 Sheet S121 – Roof Framing Plan Area 1;
- Section cut clarifications
- Added detail 16/S222 reference
- Added shroud information at roof pipe penetration

A3-38 Sheet S122 –Roof Framing Plan Area 2;
- Clarified Header at Grid 1

A3-39 Sheet S221 – Roof Framing Details:
31/S221 – Added 4" diameter opening to roof shroud schedule

A3-40 Sheet S222 – Roof Framing Details:
16/S222 – Added detail at canopy beam to column connection
23 and 24/S222 – Clarified masonry embed plate

Plumbing:

A3-41 Sheet FP100 Fire Protection Plan: FDC notes have been added per fire Marshall requirements.

A3-42 Sheet P400 Plumbing Schedules: FCO and WCO have been added to the Plumbing Fixture Schedule

Mechanical:

A3-43 Sheet M400 Mechanical Schedules: RTU Schedule notes have been updated.

Electrical:

A3-44 Sheet E004 Electrical Schedules: Added Smart Board Projector to Special Receptacle Schedule.

A3-45 Sheet E103 Lighting Plan – Area 3: Added emergency light to Corridor 301.

A3-46 Sheet E201 Power Plan – Area 1: Added TV's to Commons Area.

A3-47 Sheet E202 Power Plan – Area 2: Added circuits for new MDF equipment.

A3-48 Sheet E203 Power Plan – Area 3: Added Keynote 4.

A3-49 Sheet E301 Systems Plan – Area 1: Added TV's to Commons Area.
Added WAP to Commons Area. Added Door Sensors to all exterior doors. Updated card reader. Updated Keynotes and System Plan Notes. Add data drops WAP to Science Classroom 126.

A3-50 Sheet E302 Systems Plan – Area 2: Update System Plan Notes and Keynotes.

Added Door Sensors to exterior doors.
Added speakers to Classroom 202, 211, 214, 215, and Choir Room 206.

A3-51 Sheet E303 Systems Plan – Area 3: Updated System Plan Notes. Added Keynotes 2 and 3. Added Door Sensors to all exterior doors. Added Fire Alarm Control Panel.

Foodservice:

A3-52 Sheet K1 Kitchen Equipment Plan: Revise kitchen equipment. Replace sheet in its entirety.

A3-53 Sheet K2 Kitchen Equipment Plumbing Plan: Revise Kitchen Equipment Plumbing Requirements. Replace sheet in its entirety.

A3-54 Sheet K3 Kitchen Equipment Electrical Plan: Revise Kitchen Equipment Electrical Requirements. Replace sheet in its entirety.

A3-55 Sheet K4 Kitchen Equipment Slab Plan: Replace sheet in its entirety.

END OF ADDENDUM

ROLLING GRILLES SECTION 083300

PART 1 - GENERAL

1.1 SUMMARY

A. **Section Includes:** electric operated overhead rolling grilles.
B. Related Sections:

1. 05 50 00 Metal Fabrications. Door opening jamb and head members.
2. 06 10 00 Rough Carpentry. Door opening jamb and head members.
3. 08 31 00 Access Doors and Panels. Access doors.
4. 08 70 00 Hardware. Masterkeyed cylinders.
5. Division 26. Electrical wiring and conduit, fuses, disconnect switches, connection of operator to power supply, and installation of control station and wiring.

C. Products That May Be Supplied, But Are Not Installed Under This Section:

1. Control station.
2. Manual release pull handle.

1.2 SYSTEM DESCRIPTION

A. Design Requirements:

1. Cycle Life:

a. Design grilles of standard construction for normal use of up to 5 cycles per day maximum, and an overall maximum of 50,000 operating cycles for the life of the grille.

2. Safety:

a. Chain operated doors shall be designed so that the door immediately stops upward or downward travel and is maintained in a stationary position when the hand chain is released by user.

1.3 SUBMITTALS

A. Reference Section 01 33 00 Submittal Procedures; submit the following items:

1. Product Data.
2. **Shop Drawings:** Include special conditions not detailed in Product Data. Show interface with adjacent work.
3. Quality Assurance/Control Submittals:

a. Provide proof of manufacturer ISO 9001:2015 registration.
b. Provide proof of manufacturer and installer qualifications - see 1.3 below.
c. Provide manufacturer's installation instructions.
d. Provide manufacturer’s Health Product Declaration (HPD) for each product

4. Closeout Submittals:

a. Operation and Maintenance Manual.
b. Certificate stating that installed materials comply with this specification.

1.4 QUALITY ASSURANCE

A. Qualifications:

1. **Manufacturer Qualifications:** ISO 9001:2015 registered and a minimum of five years experience in producing grilles of the type specified.
2. **Installer Qualifications:** Manufacturer's approval.

1.5 DELIVERY STORAGE AND HANDLING

A. Reference Section 01 66 00 Product Storage and Handling Requirements.
B. Follow manufacturer's instructions.

1.6 WARRANTY

A. **Standard Warranty:** Two years from date of shipment against defects in material and workmanship.
B. **Maintenance:** Submit for owner’s consideration and acceptance of a maintenance service agreement for installed products.

PART 2 - PRODUCTS

2.1 MANUFACTURER

A. Manufacturer:

1. Basis of Design: Cornell
2. Cookson
3. Clopay
4. McKeon

B. **Model:** ESG10
C. **Substitutions:** Reference Section 01 25 13 Product Substitution Procedures.

2.2 MATERIALS

A. Curtain:

1. ESG10 Straight Pattern

a. **Horizontal Rods:** Solid 5/16 inch (8 mm) diameter, AISI 300 series stainless steel.

1) **Vertical Spacing:** 2 inches (50.8 mm) on center.

b. **Vertical Chains:** Grommetted stainless steel links, 3/4 inch (19 mm) wide, positioned by E-rings on 9 inch centers. Provide double E-rings on horizontal bars on both sides of end chains to retain curtain in guides.

2. **Bottom Bar:** 2 x 3-1/2 inch (50.8 x 88.9 mm) extruded aluminum tubular section reinforced with 3 x2 x 3/16 inch (76.2 x 50.8 x 4.76 mm) aluminum angle(s).
3. Finish:

a. Stainless Steel Curtain with Aluminum Bottom Bar:

1) **Curtain:** Factory polished.
2) **Bottom Bar:** Clear anodized.

B. **Guides, Wall Mounted:** Heavy duty extruded aluminum sections with snap-on cover to conceal fasteners and polypropylene pile runners on both sides of curtain. Provide steel mounting angle as required for face of wall installation.

1. **Finish, Steel** Mounting Angles

a. Zirconium treatment followed by a corrosion inhibitive baked-on zinc-rich gray polyester powder coat; minimum 2.5 mils (0.065 mm) cured film thickness.

C. Counterbalance Shaft Assembly:

1. **Barrel:** Steel pipe capable of supporting curtain load with maximum deflection of 0.03 inches per foot (2.5 mm per meter) of width.
2. **Spring Balance:** Oil-tempered, heat-treated steel helical torsion spring assembly designed for proper balance of grille to ensure that maximum effort to operate will not exceed 25 lbs (110 N). Provide wheel for applying and adjusting spring torque.

D. **Brackets:** Fabricate from minimum 3/16 inch (4.76 mm) steel plate with permanently lubricated ball or roller bearings at rotating support points to support counterbalance shaft assembly and form end closures.

1. Finish:

a. Zirconium treatment followed by a light gray baked-on polyester powder coat; minimum 2.5 mils (0.065 mm) cured film thickness.

E. **Hood and Fascia:** 24 gauge stainless steel with reinforced top and bottom edges. Provide minimum 1/4 inch steel intermediate support brackets as required to prevent excessive sag.

1. Finish:

a. Stainless Steel: No. 4 finish.

2.3 ACCESSORIES

A. Locking:

1. **Motor Operated:** Keyed cylinder locking into both jambs operable from both sides of curtain with motor interlock cutout switches.

B. **Operator and Bracket Mechanism Cover:** Provide 24 gauge galvanized steel sheet metal cover to enclose exposed moving operating components at coil area of unit. Finish to match door hood.

2.4 OPERATION

A. **Supply Model MG Electric Motor Operator, industrial duty** - rated for a maximum of 20 cycles per hour, cULus listed, Totally Enclosed Non Ventilated gear head operator(s) rated 1/2 or 3/4 hp as recommended by door manufacture for size and type of door. Provide complete with electric motor and factory pre-wired motor control terminals, maintenance free solenoid actuated brake, emergency manual chain hoist and control station(s). Motor shall be high starting torque, industrial type, protected against overload with an auto-reset thermal sensing device. Primary speed reduction shall be heavy-duty, lubricated gears with mechanical braking to hold the door in any position. Operator shall be equipped with an emergency manual chain hoist assembly that safely cuts operator power when engaged. A disconnect chain shall not be required to engage or release the manual chain hoist. Operator drive and door driven sprockets shall be provided with #50 roller chain. Provide an integral Motor Mounted Interlock system to prevent damage to door and operator when mechanical door locking devices are provided. Operator drive and door driven sprockets shall be provided with minimum #50 roller chain. Operator shall be capable of driving the door at a speed of up to 9” per second or as recommended for door size. Fully adjustable, driven linear screw type cam limit switch mechanism shall synchronize the operator with the door. The electrical contractor shall mount the control station(s) and supply the appropriate disconnect switch, all conduit and wiring per the overhead door wiring instructions.

1. Control Station **Flush mounted:** "Open/Close" key switch with cylinder to match facility standard; NEMA 1B

B. **Entrapment Protection:** Provide the following primary entrapment protection device to enable momentary contact close operation.

1. **Smartsync Wireless Edge Kit –** continuously monitored, wireless sensing/weather edge seal extending full width of door bottom bar. Contact before door fully closes shall cause door to immediately stop downward travel and reverse direction to the fully opened position. Wireless edge kit will use Zigbee wireless technology. Radio band wireless sensing edges will not be permitted.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates upon which work will be installed and verify conditions are in accordance with approved shop drawings.

B. Coordinate with responsible entity to perform corrective work on unsatisfactory substrates.

C. Commencement of work by installer is acceptance of substrate.

3.2 INSTALLATION

A. General: Install grille and operating equipment with necessary hardware, anchors, inserts, hangers and supports.

B. Follow manufacturer's installation instructions.

3.3 ADJUSTING

A. Following completion of installation, including related work by others, lubricate, test, and adjust grilles for ease of operation, free from warp, twist, or distortion.

3.4 CLEANING

A. Clean surfaces soiled by work as recommended by manufacturer.
B. Remove surplus materials and debris from the site.

3.5 DEMONSTRATION

A. Demonstrate proper operation to Owner's Representative.
B. Instruct Owner's Representative in maintenance procedures.

END OF SECTION

SECTION 11 40 00 - KITCHEN EQUIPMENT

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

A. The drawings and general provisions of the contract, including general and supplementary conditions and general documents, apply to the work specified in this section.

1.2 SCOPE OF WORK

A. Include all labor, materials, and freight required to deliver, install, set in place, level, hang hood(s), erect walk in(s), run refrigeration line(s), etc. for the equipment specified in this section.

1.3 RELATED WORK SPECIFIED IN OTHER SECTIONS

A. Recessed and raised floor areas including reinforced concrete wearing bed and specified floor material with coved corner bases inside walk-ins by Division 03 00 00.

B. Millwork not specified in this section is to be provided under Division 06 00 00.

C. Rough-in, final connection, indirect drains, drain traps, grease traps, steam traps, PVC for drink lines, strainers, water coolers, hand sinks, mop sinks, tailpieces, valves, stops, shut off valves, pipes, line strainers, atmospheric vents, pipe fittings, ventilators, duct work, exhaust and supply fans, disconnection and reconnection of existing equipment and all materials not specified in this section are to be provided and installed by Division 22 00 00 and Division 23 00 00.

D. Rough-in, final connection, lines, disconnect switches, safety cut off, fittings, outlets, convenience outlets, pull boxes, wiring, conduit, junction boxes, fuse boxes, control panels, starters, shunt trip breakers (required for the shut off of all electrical outlets under the ventilator and shut off of ventilator fan(s) in the event the fire suppression systems is activated), contactors, disposer and walk-in control wiring, inter connection of fire suppression system with building alarm, disconnection and reconnection of existing equipment and all materials not specified in this section are to be provided and installed by Division 26 00 00, Division 27 00 00 and Division 28 00 00.

1.4 FEES, LICENSES, INSPECTION, PERMITS AND TAXES

A. Pay all fees, licenses, inspections, permits and taxes required by state and local authorities for the equipment specified in this section and furnish receipts for same.

1.5 JURISDICTIONS, TRADE AGREEMENTS AND RESTRICTIONS

A. Portions of this work may be sub-contracted to those qualified to do such work as may be required because of jurisdictional trade agreements and restrictions.

1.6 QUALITY ASSURANCE

A. Submit evidence to the owner, architect and consultant of qualifications listed below:

1. Successful completion of projects of comparable size and scope.
2. Maintain a staff experienced in the installation of Kitchen Equipment and the preparation of professional drawings and brochures.

1.7 SUBSTITUTIONS

A. It is the purpose of these plans and specifications to purchase for the owner equipment that conform to the best existing policies of the commercial kitchen equipment Industry. These items have been selected as preferred items as a result of past experiences, functional design, construction, material, maintenance and repair. If a contractor elects to quote on substitutions not specified, they will be permitted to do so provided that they list these substitutions on a separate form (do not use alternates in the base bid unless pre approved) outlining them as additions or deductions to the specified brand. Any contractor offering a substitution shall accompany the bid with complete construction details, and specification sheets.

B. If a proposed substitution is accepted the kitchen equipment contractor shall provide and pay for all changes to, space, structure, utilities, construction, professional services, modify other items, provide rough in drawings, specifications, etc. that may be required.

1.8 INTERPRETATION OF DOCUMENT

A. The specifications and drawings are complementary and what is called for by one shall be binding as if called for by both. Contractors shall examine the full set plans and specifications to be fully satisfied as to the conditions of the project. No allowance shall be subsequently made to the contractor by reason of error on his part or obvious oversight not called to the attention of the Owner, Architect, General Contractor and Consultant.

B. Questions regarding specifications and drawings will be responded to by written addendum only.

1.9 WARRANTIES

A. Warranties for parts and labor in writing for all new Kitchen Equipment for a period of one year from date of acceptance.

B. Refrigeration system compressors shall be warranted for an additional four years by the manufacturer.

C. Provide at no cost to owner, refrigeration service including freon, mileage, parts and labor to all refrigeration equipment within 24 hours of notification for one year from date of acceptance.

1.10 REGULATIONS AND CODES

A. Comply with all applicable laws, statues, building codes, regulations of state, local, public authorities and comply with the following:

1. National Sanitation Foundation.
2. National Fire Protection Association.
3. Underwriter’s Laboratories, Inc.
4. Department of Energy’s 2017 Energy Efficiency Standards.

5. 2016 Paris Climate Agreement.
6. 2009 Federal Energy Saving Standards.
7. Factory Mutual.
8. Building Official and Code Administrators.
9. National Electrical Code.
10. American Gas Association Labs.
11. Occupational Safety and Health Act.
12. National Electrical Manufactures Association.
13. Americans with Disabilities Act.
14. American National Standards Institute.
15. American Society of Mechanical Engineers.

1.11 SUBMITTALS

A. Kitchen equipment contractor shall review rough-in drawings provided and notify the Architect, Consultant and Construction Manager or General Contractor in writing with in 15 days of any utility changes required for the equipment. Submit in thirty days dimensioned drawings showing all Kitchen Equipment items with itemized schedules, mechanical rough-in, electrical rough-in and critical conditions plan.

B. Submit in thirty days dimensioned drawings showing complete construction details of all fabricated equipment.

C. Submit in thirty days brochures of regularly manufactured items with project label, project cover sheet, item cover sheet, and specification sheet.

D. Submit number and type drawings as requested by the owner, architect, consultant and general contractor.

E. Submit in thirty days material samples with manufacturer’s name plate and item number for review to the Owner, Architect, Consultant and Construction Manager or General Contractor.

F. Submit prior to kitchen equipment demonstration operation/instruction manuals with item cover sheet (indicate on item cover sheet for the kitchen equipment, make, model number, serial number and local service agency with address and phone number for the project location) and copy of manufacturer’s operation and instruction manual.

G. Provide pictures of completed punch list deficiencies to Contractor, Architect Owner and Consultant for review after all punch list work has been completed.

1.12 DELIVERY, STORAGE, AND HANDLING

A. Do not deliver any Kitchen Equipment to the project until advised and building is weather and vandal safe.

1.13 JOB CONDITIONS

A. Before ordering Kitchen Equipment and starting work verify measurements at job site. Be responsible for fitting Kitchen Equipment into space provided. No extra charge or compensation will be allowed for minimal difference between dimensions indicated and actual field dimensions.

B. Verify that Kitchen Equipment will fit through openings provided.

C. Prior to ordering Kitchen Equipment verify all mechanical and electrical utilities available at the project site and coordinate.

1.14 SCHEDULING

A. Coordinate and schedule delivery and installation of Kitchen Equipment so as not to impede project construction schedule. Coordinate number of days required for equipment installation with owner and general contractor.

PART 2 – PRODUCT

2.1 MATERIALS

A. United States standard gauge 18-8, type 302, not over .012% maximum carbon stainless steel with a number 4 finish.

B. Armco Galvanized Steel.

2.2 MANUFACTURED EQUIPMENT.

1. Standard finishes and accessories unless specifically deleted. Options shall be by same manufacturer.

   a. *Follow the manufactures installation instructions.*

   b. *All equipment for high altitude operation, elevation approximately 7200 feet above sea level.*

2.3 FABRICATION

A. General

1. Provide fabricated Kitchen Equipment as specified.
2. Fabricated by one manufacture with consistent construction for like items.
3. Grind all welds of stainless steel smooth and polish to a number 4 finish.
4. Use concealed type bolts to fasten trim to paneling and body of equipment, and secure to exposed sheet metal surface.
5. Use stainless steel bolts and screws.
6. Where threads of bolts and screws occur on inside of fixtures, are visible, or might come in contact with a wiping cloth, cover screw with washer and stainless steel acorn nut.
7. Do not use rivets to fasten body paneling together.
8. Sound deadening

   a. Provide Schnee Butyl-Sealant ½" wide rope as a sound deadening material between all metal surfaces and tighten bolts for maximum compression of sealant.

9. Painting

a. Non-stainless steel finishes painted two coats of hammer tone gray, air-dried.

b. Oven baked finishes for 2 hours at a minimum temperature of 300º F.

10. Stainless Steel Tops

a. 14 gauge stainless steel tops with one piece fully welded construction. Free edges turned down 2" and back on slight angle ½" with corners fully welded, ½" high marine edge with fully welded corners or as detailed, indicated and specified.

b. Where tops fit adjacent to equipment, walls and columns cove up to specified height and back on 45º angle or as specified forming a back splash and Zee clip to wall, unexposed. Enclose ends of back splashes, extending full length of fixture including rolls.

c. Reinforce underside of tops with fully welded 14 gauge stainless steel angle and channel framework of suitable size and at locations as required to hold top flat and support heavy loads without deflection. Provide two hat channels to support drawer assemblies, enclosed bases and leg/gusset as required.

d. Provide cross members at 30" on centers maximum. No bolts or pop rivets in tops.

11. Field Joints

a. Fully weld grind smooth and polish to a number 4 finish. Field joints in bases pull tight and cover with pilaster of same material as base. Minimum field joints required for access into building.

12. Coved Corners

a. Vertical and horizontal corners coved on a ¾" radius and cove at intersections.

13. Enclosed Bases

a. 18 gauge stainless steel formed flat approximately 1" on bottom then formed up to the underside of the top then formed flat approximately 1" to the inside of the cabinet and formed down approximately ½" to create a rigid structure with all seams fully welded, ground smooth and polished. Front rails, mullions, and other components to provide appearance of one piece construction fully welded seamless with no open cracks or ledges.

14. Enclosed Bases

a. 18 gauge stainless steel U channel filler behind mullions weld in place grind smooth and polish.

15. Legs & Cross rails

a. 1 5/8" outside diameter, 16 gauge stainless steel tubing, fully welded at cross rails, ground smooth, and polished.

b. Fit leg with adjustable stainless steel bullet or flange foot with holes secured to floor with non corrosive anchors.

c. Open base legs fit at top with stainless steel gusset welded 360 degrees to underbracing.

16. Under shelves

a. 18 gauge stainless steel shelves in enclosed bases, turn rear and ends up with a hug edge, fully weld corners grind smooth and polish. Flush shelf with base fully weld, grind smooth and polish.

b. 18 gauge stainless steel shelves in open based, free sides turn down 2” and back ½ “, at wall or tall equipment turn up 2” with corners notched and fully welded to legs, grind smooth and polish.

17. Casters

a. NSF, 5” diameter, stainless steel , polyurethane, all swivel, top operated foot brake, zerk grease fitting, and each to support 300 pound load.

18. Drawers

a. Component Hardware S90-0020*M126 with four sided 14 gauge stainless steel frame fully welded corners, flange top in, and bolt to hat channels. S90-0015*M126 for smaller spaces.

b. Provide cylinder locks when specified in itemized specifications, all keyed alike.

19. Sinks and Drain boards

a. 14 gauge stainless steel fully welded construction with all corners coved on ¾” radius.

b. Double wall partitions between sink compartments.

c. Slope drain boards to sink compartment.

d. Crease bottom of sink for proper drainage.

e. Drain boards constructed integral with sink compartments.

f. Fisher 22411*M126 drain with 14 gauge stainless steel bracket.

g. T & S B-231-CR*M126 faucet.

20. Over Shelves

a. 18 gauge stainless steel fully welded construction, form as specified for tops, provide stainless steel underbracing as required to support shelf without deflection turn up 2” at wall and equipment.

b. Table mounted shelves mounted on 1” tubing, 16 gauge stainless steel tubing fully welded to top or back splash.

c. Wall mount shelves on 14 gauge stainless steel brackets attached to wall with stainless steel screws.

2.4 SCHEDULE OF EQUIPMENT

A. New kitchen equipment furnished under this contract the Kitchen Equipment Contractor shall provide the following:

1. Furnish and install items with all standard options and features unless specifically modified or deleted.
2. Assembly and installation according to manufacture's instructions and details.
3. Assembly and installation according to any and all applicable building codes.
4. Onsite coordination with other trades for the final utility connections.
5. Startup, testing and calibration by the manufacture's authorized service agencies.
6. Onsite demonstration by the manufacture's representative.
7. All items shall include a one year onsite parts, service and labor warranty.
8. All items with refrigeration systems shall include a five year compressor warranty.
9. Refrigerant(s) and refrigeration system(s) shall comply with all current local, state, national and federal government energy efficiency and energy saving standards.

a. Item 1, 1A, 1B, 1C, 1D and 1E - Walk in cooler / freezer and refrigeration systems - One required

b. Thermo-kool Industries.

c. Fabricated according to details, drawings and specifications.

2. Provide the following:

a. THE BUILDING RECESS OR FLOOR MUST BE LEVELED BY THE KITCHEN EQUIPMENT CONTRACTOR OR WALK IN INSTALLER WITH SELF LEVELING CONCRETE FAILURE TO PROPERLY LEVEL THE AREA WILL VOID THE WALK IN MANUFACTURERS WARRANTY.

b. SILICONE MAY NOT BE USED INSIDE THE WALK IN TO SEAL INTERNAL SEAMS

c. After complete installation, (including electrical conduits, drains and refrigeration piping and all air tight sealing) prior to refrigeration system start up, Kitchen Equipment Contractor shall blower door test the walk in compartments for ambient air infiltration according to all standards and methods specified in the current ATTMA TSL2 (The Air Tightness Testing and Measuring Association TSL2) for non dwellings. Compartment(s) shall meet or exceed the air leakage standards between normal 0.35 and best practice 0.20 for walk ins (cold stores). Temporarily seal air tight drains, pressure relief ports, etc. Test seams, penetrations, etc. for air leaks with a hand held fog generator, mark any air leaks with non staining bright peel off tape, repair any air leaks

found with the fog generator, this may require disassembly, resealing and reassembly. Retest for air leaks until none are detected during the fog test. Test administrator, methods, procedures, testing equipment, written reports and include copy of testing equipment printouts shall be provided according to ATTMA TSL2. Test administrator shall be factory trained and certified to operate blower door testing equipment. Testing equipment shall be calibrated before testing. Door opening(s) larger than 34“ x 76” will require the Kitchen Equipment Contractor to temporarily reduce the size of the opening with a enclosure that is compatible with the testing equipment and that can withstand the pressure generated during the test. One year onsite parts, service, labor and air leak warranty.

d. Kitchen equipment contractor shall seal all floor, wall and ceiling panel seams and joints airtight with two (2) continuous 3/8” beads of Kason 3701 butyl sealant apply with a battery operated caulk gun. BUTYL SHALL BE UNEXPOSED, DO NOT APPLY BUTYL TO EXTERIOR.

e. KITCHEN EQUIPMENT CONTRACTOR SHALL KEEP WALK IN PENETRATIONS TO A MINIMUM.

f. Kitchen equipment contractor shall furnish and seal airtight all penetrations in the walk in panels for all trades with spray polyurethane insulating foam sealant (rigid or closed cell) the thickness of the panel without any voids, allow sealant to fully cure, trim excess and seal the exposed urethane foam on both sides of the panel watertight with silver NSF food grade 100% silicone sealant.

g. Kitchen equipment contractor shall furnish, install, coordinate size and location with the electrician NEMA 4 (non metallic) PVC electrical components, conduits, junction boxes, etc. for walk in panel electrical penetrations. Seal airtight around the outside of the conduit with spray polyurethane insulating foam sealant the thickness of the panel without any voids. Seal airtight inside of the conduit around the wires the thickness of the panel without any voids.

h. All electrical components inside the walk in shall be watertight.

i. Disconnects used inside the walk ins for evaporators fans and evaporator electric defrost heaters shall be NEMA 4 rated.

j. Kitchen Equipment Contractor shall furnish, install and seal airtight with spray polyurethane insulating foam sealant all penetrations required for the walk ins, KEC SHALL KEEP WALK IN PENETRATIONS TO A MINIMUM.

k. Kitchen equipment contractor shall provide a Thermo-kool Industries factory trained and certified person onsite to supervise the complete assembly and installation of the walk in system. Provide name of factory trained and certified person in submittal documents for verification.

l. Kitchen equipment contractor shall level the floor or recess provided for the walk in, as required, with self leveling concrete allow to fully cure according to manufactures instructions before installing walk in. SAND NOT ALLOWED FOR LEVELING.

m. NSF certified construction and components. Bear NFS seal.

n. Non standard size as required to fit the space. Wall and ceiling panels shall be built in 1” increments up to 46” wide. Corner panels shall be 90 degree angle, 12” x 12”. All like panels shall be fully interchangeable.

o. Field verify and coordinate all measurements prior to release for fabrication.

p. 0.040 embossed aluminum exposed exterior.

q. 26 gauge stucco embossed galvanized unexposed, exterior.

r. 0.040 embossed aluminum interior.

s. Trim openings on sides (at walls) with matching exterior material angles neatly attached with stainless steel screws.

t. Trim openings on top (at free sides) with matching exterior material, lift off, removable, enclosure panels, attach trim with stainless steel screws.

u. 4” thick zero ozone depleting urethane insulation foamed in place and bonded to interior surfaces of panels. All panels R-32.

v. The perimeter frame of all panels shall be formed with a rigid structural high density urethane insulation forming tongues and grooves (soft edge foam panel construction is not allowed). Cam locks shall be formed into the perimeter frame for easy assembly and disassembly.

w. Panels shall be constructed without interior metal, straps or wood.

x. Insta-Loks cam locks, three per wall, maximum 43” on centers for taller walls. Insta-Loks cam locks in ceiling panels maximum 36” on centers.

y. 8’-6” high above building finished floor.

z. Set in 8” deep recess in building floor. 4” concrete by GC.

aa. Exterior walk in walls shall be installed 2” off all building walls.

bb. Kitchen equipment contractor shall furnish and install below the walk in floor panels and up all sides of the recess 15 mil polyethylene sheeting with all seams sealed watertight with tape.

cc. Foamed in place diamond aluminum tread floor panels. Structural floor 4” insulated floor panels with structural members, ¾” plywood adhered to the floor material, floor structure to support minimum 4,000 pounds per square foot.

dd. 36” wide X 78” high doors with 14” x 24” view port and heated, triple pane safety glass, each door.

ee. 14 gauge stainless steel thresholds shall have a 45 degree angle on both sides of the door opening, field verify measurements.

ff. Thermostatically controlled heated door jamb and threshold for cooler and freezer doors.

gg. Kason 1238C chrome polished latch (handle) with cylinder lock and interior glow in the dark twist off safety release, each door.

hh. Kason 1094 chrome polished hydraulic closer, each door.

ii. One Kason 1830, 120/1, heated pressure relief port in the wall between the cooler and freezer.

jj. One Kason 1830, 120/1, heated pressure relief port in the cooler door panel.

kk. Two Kason 1346 chrome polished performer adjustable spring loaded hinges, each door.

ll. Two Kason 1230 door foot treadle, each door.

mm. Kason Thermalflex vinyl strip door curtains, each door.

nn. Flush mounted 4700HL multi monitor(s) or equal with built in battery back up or equal, PC connect kit, flush mounted MD-1 motion detectors, flush mounted IP-1 illuminated push button panic switches and MC-1 magnetic door contacts pre wired into each door panel.

oo. Kason 1806 LED lights with frosted high impact lexan globe and LED bulbs centered over each door.

pp. Eiko VTS-5CS-40K-U (09712) 48” led light with 50,000 life hours, 120-277/1, 40 watts, 5200 lumen. Kitchen Equipment Contractor shall secure fixtures to the ceiling, unexposed, with stainless steel hardware. DO NOT PENETRATE EXTERIOR OF WALK IN CEILING PANELS TO INSTALL FIXTURES. Two in cooler and Two in freezer.

qq. KE2 Therm Solutions evap OEM controllers with recessed basic displays for all evaporator coils. KE2 electronic expansion valves for all evaporator coils. 8 port switch. EM plus wireless router. Cat5e data cables. Set up to KE2 smart access program with computers and devices. Complete installation/set up and fully operational wireless remote temperature motoring system. NOTE: COORDINATE INSTALLATION OF SYSTEM WITH IT DEPARTMENT. By refrigeration system supplier.

rr. Scroll compressors.

ss. Systems rated 105 degree for ambient outside air temperature.

tt. R454A refrigerant for both refrigeration systems. A2L compliant.

uu. 2 horse power (15,360 btu) and sized to maintain +35 degree temperature, pre wired preassembled remote cooler condensing unit, 208/3 with outside weatherproof cover, expansion valve, dryer, sight glass, temperature control, pump down solenoid valve, pressure control, suction line vibration eliminator, coil mounting kit, crankcase heater, headmaster valve, etc. Electronic expansion valves. Evaporator coil, 120/1. TK or equal by RDT. Coldzone will not be accepted. Temperature monitoring system above and stands by TK or RDT.

vv. 5 horse power (16,280 btu) and sized to maintain -10 degree temperature, pre wired preassembled remote freezer condensing unit, 208/3 with outside weatherproof cover, expansion valve, dryer, sight glass, temperature control, pump down solenoid valve, freezer time clock (when required), pressure control, suction line vibration eliminator, coil mounting kit, crankcase heater,

headmaster valve, etc. Electronic expansion valves. Evaporator coil, 208/1, drain line heat tape. TK or equal by RDT. Coldzone will not be accepted. Temperature monitoring system above and stands by TK or RDT.

ww. Kitchen equipment contractor shall furnish and install copper refrigeration lines from evaporator coils to condenser properly sized for length of run, suction lines insulated with 1" UV rated arma flex, liquid lines insulated with ½" UV rated arma flex, seal all arma flex seams water tight. Seal building penetrations air tight with insulation covered with building color exterior matched trim or 14 gauge stainless steel trim.

xx. Support refrigeration lines from structure and run refrigeration lines in chase(s) where required from condenser to evaporator coil.

yy. Refrigeration lines shall be wrapped with white Speedline or equal 0.020 mil. UV rated cut and curl PVC jacketing with SSL self seal lap with all seams sealed water tight with PVC liquid adhesive.

zz. Electrical contractor to furnish and install NEMA 4 electrical disconnect for the cooler and or freezer evaporator coil fans and in the freezer a NEMA 4 electrical disconnect for the evaporator coil defrost heater.

aaa. Kitchen equipment contractor shall hang evaporator coils with nylon (only non metallic) all thread rod and stainless steel nuts and washers, seal penetrations air tight.

bbb. Raychem H622, 208/1 (H612, 120/1), wet location winter guard self regulating drain line heat tape(s) with connection kits and H912 gel fill end seal kits. One piece tape with no tees or splices. Heat tape of sufficient length and installed to prevent freezing of walk in drain pipes.

ccc. Set condensers air intake side 48" minimum from walls, etc. and 48" minimum exhaust side from walls, etc. Set ends 36" minimum from other condensers, walls, etc. Do not set condensers in the exhaust path of any other heat generating equipment.

ddd. Fabricated 24" high fully welded all stainless steel rack or wall mounting frame for each condensing to set on with 14 gauge stainless steel solid top, 12 gauge stainless steel angle channels and legs with tabs at bottom for securing rack to mounting location with non corrosive anchors at each corner.

eee. Roof/curb mounted set units on treated 4" x 4" runners. Secure condenser frame to rack or 4" x 4" runners with non corrosive anchors at four corners. Provide a layer of Duro-last DL-40 vinyl 40 mil material between the roof and the 4" x 4" runners when the 4" x 4" runners set on roof.

fff. Kitchen equipment contractor shall furnish and install 3/4" hard copper drain lines from evaporator coils to floor drain, slope 1/2" to 12" minimum, fully insulated with ¾" arma-flex insulation, provide clean out tees with plugs and P traps to prevent the back flow of air into freezer from the cooler, or exterior, and from the kitchen into the cooler. Drain pipe to exit the walk in approximately 12" above finished floor, seal penetrations air tight between compartments and cooler and exterior.

ggg. Provide all components required for the complete and proper operation of the walk-in cooler and freezer for the location, region, climate, altitude, etc. of the installation.

hhh. 3/16" diamond thread aluminum kick plate 36" high on interior and exterior of each door.

iii. 3/16" diamond thread aluminum kick plate 36" high on interior and exterior of the door panels, notch above floor base material as required.

jjj. 3/16" diamond thread aluminum kick plate 36" high at exposed exterior, stop kick plate 4" from walls to allow space for installation of angle trim.

kkk. Kitchen equipment contractor shall seal all floor, wall and ceiling panel seams and joints airtight with two (2) continuous 3/8" beads of Kason 3701 butyl sealant apply with a battery operated caulk gun. BUTYL SHALL BE UNEXPOSED, DO NOT APPLY BUTYL TO EXTERIOR.

lll. The walk in and refrigeration systems shall be set in the location shown on the kitchen plans. The kitchen equipment contractor will be required to disassemble, move and reinstall the walk-in and refrigeration systems if not set how and where shown.

mmm. Internal and or external structure and all hardware required to support, fully assemble and install walk in the location shown on the plans.

nnn. Kitchen equipment contractor shall provide and seal air tight all penetrations in the walk in panels for all trades, coordinate.

ooo. Kitchen equipment contractor shall fully insulate all fire sprinkler pipes as required to prevent condensation, water and ice and from forming on the pipe and dripping inside and or on to the exterior top of the walk in.

ppp. Kitchen equipment contractor shall furnish, install, coordinate size and location with the electrician of NEMA 4 PVC (only non metallic) electrical components for walk in panel electrical penetrations. Seal around the outside of the conduit airtight. Seal airtight inside of conduit around wires 4" thick from one side of the panel to the other.

qqq. KITCHEN EQUIPMENT CONTRACTOR SHALL KEEP WALK IN PENETRATIONS TO A MINIMUM.

rrr. All electrical components inside the walk in shall be watertight.

sss. Preassemble walk in at factory for a complete quality control inspection.

B. Item 2 – Walk in shelving – Fifteen required

1. Metro metroseal 3, super erecta.
2. Provide the following:
   a. One unit with Four 21" x 36" wire shelves and four 63" high post, each unit.

b. Four units with four 21” x 60” wire shelves and four 63” high post, each unit. Below the evaporator coils.

c. Ten units with five 21” x 60” wire shelves and four 74” high post, each unit.

d. Field verify space and adjust sizes to fit as required.

e. Assemble onsite verify and coordinate shelf spacing with owner.

C. Item 3 – Dry storage shelving – Six required

1. Metro metroseal 3, super erecta.
2. Provide the following:
   a. Six units with five 24” x 60” wire shelves and four 74” high post, each unit.
   b. Field verify space and adjust sizes to fit as required.
   c. Assemble onsite verify and coordinate shelf spacing with owner.

D. Item 4 – Dunnage rack – Four required

1. Two New Age 2009.
2. Two New Age 2008.

E. Item 5 – Can rack – One required

1. New Age 1250CK.

F. Item 6 – Drying rack – Five required

1. Metro PR48VX4-XDR, each unit.

G. Item 7 – Preparation table – Two required

1. Fabricated according to details, drawings and specifications.
2. Provide the following:
   a. 14 gauge stainless steel one piece coved corner top.
   b. Marine edge where shown 35 ½” to top.
   c. 36” high to top of marine edge.
   d. 8” high splash at rear from top of marine edge, 8 ½” high from top.
   e. 18 gauge stainless steel undershelf where space allows notched and fully welded to legs. Free sides turned down 1 ½” and back ½” on a slight angle and turn up 2” at walls.

f. Two 14 gauge stainless steel hat channels full length, fully welded to end channels. DO NOT OMIT OR NOTCH CHANNELS FOR DRAWER FRAME.

g. Copper flashed weld studs capped with stainless steel acorn nuts.

h. ¾" tacky tape between all metal surfaces, installed to create a vermin proof seal.

i. Stainless steel gussets fully welded 360 degrees to channels.

j. 1 5/8" 16 gauge stainless steel tubing legs.

k. 1 5/8" 16 gauge stainless steel tubing crossrails fully welded 360 degrees to legs.

l. Stainless steel adjustable bullet feet.

m. Stainless steel flanged feet at four corners with two holes, secure to floor with two non corrosive anchors.

n. Weld in partition or NO SPLIT BOWLS allowed between bowls.

o. Two 20" X 20" X 10" deep 14 gauge stainless steel coved corner sinks, each unit.

p. One T & S B-0184-CR faucet with ceramic cartridges, each unit.

q. Fisher 22411 lever handle drain(s) with overflow with 14 gauge stainless steel handle bracket secure to sink bottom with weld studs and stainless steel acorn nuts, hole in bracket 1/8" maximum larger (LARGE HOLE OR ELONGATED SLOT IS NOT ALLOWED) than handle diameter. MODIFIED drain handle length (reduce or extend) to make the drain handle flush with the face of the sink bowl.

r. One Component Hardware S90-0020-N drawer with 14 gauge stainless steel four sided fully welded seamless frame, each unit. Install with stainless steel screws. Frame is removable from channels and drawer. DO NOT OMIT OR DELETE ANY CHANNELS. 15" drawer for smaller spaces, typical.

s. 16 gauge stainless steel removable overshelf mounted on 1 5/8" outside diameter tubing supports through splash to brackets welded to legs, 2" X 3/16" stainless steel band fully weld to brackets full length and stainless steel double sided pot hooks 8" on centers. Mount 60" above finished floor (66" at pot sink/dishtable), verify height with mini pre rinse faucet and owner. Free sides turned down 1 ½" and back ½" on a slight angle and turn up 2" at walls.

t. Channels shall be welded to each other with a 1"x1" x 4" x 1"x 1" continuous weld, typical. Gussets shall be welded to channels or plate with a 360 degrees continuous weld, typical.

u. Center legs 3" maximum from edge of tops, inside of rolls and backsplash surfaces.

v. All welding and stainless steel surfaces grind smooth and polished to a number 4 finish.

w. Z clip splash to wall, unexposed where walls are present.

x. Chicago 305-VBRCF, or T&S equal, hose bib and rack, mounted to 14 gauge stainless steel bracket secure bracket to underside of top, each unit.

H. Item 8 – Work table – One required

1. Fabricated according to details, drawings and specifications.
2. Provide the following:
   a. 14 gauge stainless steel one piece coved corner top. 36" high.
   b. Top turned down 1½" and back ½" on a slight angle on all free sides.
   c. 8" High splash at walls. Z clip splash to wall, unexposed where walls are present.
   d. 18 gauge stainless steel undershelf where space allows notched and fully welded to legs. Free sides turned down 1 ½" and back ½" on a slight angle and turn up 2" at walls.
   e. Copper flashed weld studs capped with stainless steel acorn nuts.
   f. ¾" tacky tape between all metal surfaces, installed to create a vermin proof seal.
   g. 16 gauge stainless steel removable overshelf mounted on 1 5/8" outside diameter tubing supports through splash to brackets welded to legs, 2" X 3/16" stainless steel band fully weld to brackets full length and stainless steel double sided pot hooks 8" on centers. Mount 60" above finished floor (66" at pot sink/dishtable), verify height with mini pre rinse faucet and owner. Free sides turned down 1 ½" and back ½" on a slight angle and turn up 2" at walls.
   h. Two 14 gauge stainless steel hat channels full length, fully welded to end channels. DO NOT OMIT OR NOTCH CHANNELS FOR DRAWER FRAME
   i. Two Component Hardware S90-0020-N drawer with 14 gauge stainless steel four sided fully welded seamless frame. Install with stainless steel screws. Frame is removable from channels and drawer. DO NOT OMIT OR DELETE ANY CHANNELS. 15" drawer for smaller spaces, typical.
   j. Stainless steel gussets fully welded 360 degrees to channels.
   k. 1 5/8" 16 gauge stainless steel tubing legs.
   l. Stainless steel adjustable bullet feet.
   m. Channels shall be welded to each other with a 1"x1" x 4" x 1"x 1" continuous weld, typical. Gussets shall be welded to channels or plate with a 360 degrees continuous weld, typical.
   n. Center legs 3" maximum from edge of tops, inside of rolls and backsplash surfaces.
   o. All welding and stainless steel surfaces grind smooth and polished to a number 4 finish.

I. Item 9 – Preparation table – Two required

1. Fabricated according to details, drawings and specifications.
2. Provide the following:
   a. 14 gauge stainless steel one piece coved corner top. 36” high to top.
   b. Top turned down 1½” and back ½” on a slight angle on all free sides.
   c. 18 gauge stainless steel undershelf where space allows notched and fully welded to legs. Free sides turned down 1 ½” and back ½” on a slight angle and turn up 2” at walls.
   d. Two 14 gauge stainless steel hat channels full length, fully welded to end channels. DO NOT OMIT OR NOTCH CHANNELS FOR DRAWER FRAME.
   e. Copper flashed weld studs capped with stainless steel acorn nuts.
   f. ¾” tacky tape between all metal surfaces, installed to create a vermin proof seal.
   g. Stainless steel gussets fully welded 360 degrees to channels.
   h. 1 5/8” 16 gauge stainless steel tubing legs.
   i. 1 5/8” 16 gauge stainless steel tubing crossrails fully welded 360 degrees to legs.
   j. Stainless steel adjustable bullet feet.
   k. Stainless steel flanged feet with two holes, secure to floor with two non-corrosive anchors. Wall table at corner legs, island table at four corners and dish tables at all front legs.
   l. One 20” X 20” X 10” deep 14 gauge stainless steel coved corner sinks, each unit.
   m. One T & S B-0221-CR faucet with ceramic cartridges, each unit.
   n. Fisher 22411 lever handle drain(s) with overflow with 14 gauge stainless steel handle bracket secure to sink bottom with weld studs and stainless steel acorn nuts, hole in bracket 1/8” maximum larger (LARGE HOLE OR ELONGATED SLOT IS NOT ALLOWED) than handle diameter. MODIFIED drain handle length (reduce or extend) to make the drain handle flush with the face of the sink bowl.
   o. Two Component Hardware S90-0020-N drawer with 14 gauge stainless steel four sided fully welded seamless frame, each unit. Install with stainless steel screws. Frame is removable from channels and drawer. DO NOT OMIT OR DELETE ANY CHANNELS.

p. 2” X 1/4” stainless steel three band fully welded pot rack mounted on 1 5/8” stainless steel tubing supports (7’-6” high) secured to undershelf with stainless steel hardware, penetrate top with stainless steel gusset inverted and fully welded to top and stainless steel double sided pot hooks 8” on center, 16 gauge stainless steel adjustable overshelf with 14 gauge stainless steel brackets fully welded to sockets, mounted on 5” stainless steel sockets with set screws, free sides turned down 1 ½” and back ½” on a slight angle. Each unit

q. Mount Item 60 – Manual can opener, to this item where shown on plans with sll stainless steel hardware, each unit.

r. Channels shall be welded to each other with a 1”x1” x 4” x 1”x 1” continuous weld, typical. Gussets shall be welded to channels or plate with a 360 degrees continuous weld, typical.

s. Center legs 3” maximum from edge of tops, inside of rolls and backsplash surfaces.

t. All welding and stainless steel surfaces grind smooth and polished to a number 4 finish.

J. Item 10 – Number not used.

K. Item 11 – Number not used.

L. Item 12 – Bun pan rack – ***Fifteen required***

1. New age 1650 or Cres Cor 207-UA-13A.
   a. Provide the following
   b. Nine future.

M. Item 13 – Preparation table – One required

1. Fabricated according to details, drawings and specifications.
2. Provide the following:
   a. 14 gauge stainless steel one piece coved corner top.
   b. 36” high to top.
   c. Top turned down 1½” and back ½” on a slight angle on all free sides.
   d. 8” High splash at walls. Z clip splash to wall, unexposed where walls are present.
   e. 18 gauge stainless steel undershelf where space allows, notched and fully welded to legs. Free sides turned down 1 ½” and back 1/2” on a slight angle and turn up 2” at walls.

f. Two 14 gauge stainless steel hat channels full length, fully welded to end channels. DO NOT OMIT OR NOTCH CHANNELS FOR DRAWER FRAME.

g. Copper flashed weld studs capped with stainless steel acorn nuts.

h. ¾" tacky tape between all metal surfaces.

i. Stainless steel gussets fully welded 360 degrees to channels.

j. 1 5/8" 16 gauge stainless steel tubing legs.

k. Stainless steel adjustable bullet feet.

l. Stainless steel flanged feet at front corners with two holes, secure to floor with two non corrosive anchors.

m. One 20" X 20" X 10" deep 14 gauge stainless steel coved corner sinks.

n. One T & S B-0231-CR faucet with ceramic cartridges.

o. Fisher 22411 lever handle drain(s) with overflow with 14 gauge stainless steel handle bracket secure to sink bottom with weld studs and stainless steel acorn nuts, hole in bracket 1/8" maximum larger (LARGE HOLE OR ELONGATED SLOT IS NOT ALLOWED) than handle diameter. MODIFIED drain handle length (reduce or extend) to make the drain handle flush with the face of the sink bowl.

p. Two Component Hardware S90-0020-N drawer with 14 gauge stainless steel four sided fully welded seamless frame. Install with stainless steel screws. Frame is removable from channels and drawer. DO NOT OMIT OR DELETE ANY CHANNELS.

q. One Component Hardware S90-0020-N drawer with 14 gauge stainless steel four sided fully welded seamless frame. Install with stainless steel screws. Frame is removable from channels and drawer. DO NOT OMIT OR DELETE ANY CHANNELS.

r. All welding and stainless steel surfaces grind smooth and polished to a number 4 finish.

s. 16 gauge stainless steel removable overshelf mounted on 1 5/8" outside diameter tubing supports through splash to brackets welded to legs, 2" X 3/16" stainless steel band fully weld to brackets full length and stainless steel double sided pot hooks 8" on centers. Mount 60" above finished floor (66" at pot sink/dishtable), verify height with mini pre rinse faucet and owner. Free sides turned down 1 ½" and back ½" on a slight angle and turn up 2" at walls.

t. Channels shall be welded to each other with a 1" x 4" x 1" continuously weld, typical. Gussets shall be welded to channels or plate with a 360 degrees continuously weld, typical.

u. Center legs 3" maximum from edge of tops, inside of rolls and backsplash surfaces.

N. Item 14 – Number not used

O. Item 15 – Number not used

P. Item 16 - Number not used

Q. Item 17 – ***NUMBER NOT USED***

R. Item 18 - ***NUMBER NOT USED***

S. Item 19 – Hand sink – Five required

1. Provided and installed by plumbing contractor.
2. Kitchen Equipment Contractor shall coordinate installation with kitchen equipment.

T. Item 20 – Number not used

U. Item 21 – Convection oven - Three required

1. Vulcan VC44GD double stack.
2. Provide the following:
   a. **ONE FUTURE**
   b. 120/1 with cord and plug, each unit.
   c. Gas manifold for double stack, each unit.
   d. Double stack, each unit.
   e. Stainless steel front, top, sides, and legs, each unit.
   f. Stainless steel rear enclosure, when rear is exposed for both sections.
   g. Non-marking grease resistant casters two with brakes, each unit.
   h. Safe-T-Link HG-4D3/4”-48-SK gas appliance connector kit with double swivel ends. Secure restraining device to the building wall and equipment, one each unit**.**
   i. Krowne 28-200 caster positioning system for rear casters, set in a bed of food grade 100% silicone sealant, secure to floor in four places with anchor kit, one each unit.

V. Item 22 – Range – One required

1. Vulcan 24S-4B-N.

2. Provide the following:
   a. Natural gas with pressure regulator.
   b. Stainless steel front, top, sides, cabinet, high shelf, and legs
   c. Four levelling swivel casters, two with brakes.
   d. Safe-T-Link HG-4D3/4”-48-SK gas appliance connector kit with double swivel ends. Secure restraining device to the building wall and equipment, each unit.
   e. Krowne 28-200 caster positioning system for rear casters, set in a bed of food grade 100% silicone sealant, secure to floor in four places with anchor kit, one each unit.

W. Item 23 – Braising pan – One required
1. Groen BPM40G.
2. Provide the following:
   a. Natural gas with pressure regulator, each unit.
   b. 120/1 with cord and plug, each unit.
   c. Manual tilt, each unit.
   d. Food strainer pouring spout, each unit.
   e. Flanged feet secure to floor with non corrosive anchors, each unit.
   f. T & S B-0300-102A-CR hot and cold water faucet with check valves MODIFIED with B-0107 spray valve. 14 gauge stainless steel fabricated faucet bracket mounted where shown. Dummy Hook mounted on front of bracket face.
   g. 14 gauge stainless steel faucet bracket where shown. Dummy hook mounted on front of face of bracket turn back.

X. Item 24 – Floor Trough – One required
1. Provided and installed by the plumbing contractor.
2. Kitchen Equipment Contractor shall coordinate installation with kitchen equipment.

Y. Item 25 – Steamer – ***Three required***
1. Accutemp N61201E DBL, double stack.
2. Provide the following:
   a. ***ONE FUTURE***
   b. Double stack, each unit.
   c. Natural gas with pressure regulator, each compartment.

d. AT0A-4534-1 steam vent extension, each compartment.

e. AT1A-7225-1 drain water tempering kit, each compartment.

f. 120/1 with cord and plug, each unit.

g. Stainless steel support stand with bullet feet, each unit.

h. Two (EACH UNIT) Safe-T-Link HG-4D3/4”-48-SK gas appliance connector kit with double swivel ends. Secure restraining device to the building wall and equipment, two each unit (SIX total, TWO Future).

Z. Item 26 – Hose reel – One required.

1. T&S Brass B-7142-U05XS1E
2. Provide the following:
   a. 50ft heavy duty non-marking hose.
   b. Stainless steel trigger water gun with swivel.

AA. Item 27 – Food processor – ***Four FUTURE***

1. Robot Coup R 301 Dice.
2. Provide the following:
   a. 120/1, with cord and plug.
   b. Standard accessories.

BB. Item 28 – Work table – One required

1. Fabricated according to details, drawings and specifications, 36” high to top.
2. Provide the following:
   a. 14 gauge stainless steel one piece coved corner top.
   b. Top turned down 1½” and back ½” on a slight angle on all free sides.
   c. 8” high splash at all walls.
   d. 18 gauge stainless steel undershelf where space allows notched and fully welded to legs. Free sides turned down 1 ½” and back ½” on a slight angle and turn up 2” at walls.
   e. Copper flashed weld studs capped with stainless steel acorn nuts.
   f. ¾” tacky tape between all metal surfaces, installed to create a vermin proof seal.
   g. Two 14 gauge stainless steel hat channels full length, fully welded to end channels. DO NOT OMIT OR NOTCH CHANNELS FOR DRAWER FRAME
   h. Stainless steel gussets fully welded 360 degrees to channels.

i. 1 5/8" 16 gauge stainless steel tubing legs.

j. 1 5/8" 16 gauge stainless steel tubing crossrails fully welded to legs.

k. Stainless steel adjustable bullet feet.

l. 16 gauge stainless steel removable overshelf mounted on 1 5/8" outside diameter tubing supports through splash to brackets welded to legs. Mount 60" above finished floor. Free sides turned down 1 ½" and back ½" on a slight angle and turn up 2" at walls.

m. Reduce over shelf length to allow space for equipment on top. Add third leg at rear of table for overshelf tubing support.

n. Channels shall be welded to each other with a 1"x1" x 4" x 1"x 1" continuous weld, typical. Gussets shall be welded to channels or plate with a 360 degrees continuous weld, typical.

o. Center legs 3" maximum from edge of tops, inside of rolls and backsplash surfaces.

p. All welding and stainless steel surfaces grind smooth and polished to a number 4 finish.

CC. Item 29 – Hot water dispenser – one required

1. Bunn H5X Element 43600.0002.

DD. Item 30 – Hood – One required

1. Provided and installed by mechanical contractor.
2. Kitchen Equipment Contractor shall coordinate installation with kitchen equipment.

EE. Item 31 – Fire control system – One required

1. Provided and installed by mechanical contractor.
   a. Kitchen Equipment Contractor shall coordinate installation with kitchen equipment.

FF. Item 31 – Fire control system – One required

1. Provided and installed by mechanical contractor.
2. Kitchen Equipment Contractor shall coordinate installation with kitchen equipment.

GG. Item 32 – Hood fans – One required

1. Provided and installed by mechanical contractor.

2. Kitchen Equipment Contractor shall coordinate installation with kitchen equipment.

HH. Item 33 – Hood – One required

1. Provided and installed by mechanical contractor.
2. Kitchen Equipment Contractor shall coordinate installation with kitchen equipment.

II. Item 34 – Fire control system – One required

1. Provided and installed by mechanical contractor.
2. Kitchen Equipment Contractor shall coordinate installation with kitchen equipment.

JJ. Item 35 – Hood fans – One required

1. Provided and installed by mechanical contractor.
2. Kitchen Equipment Contractor shall coordinate installation with kitchen equipment.

KK. Item 36 – Hood – One required

1. Provided and installed by mechanical contractor.
2. Kitchen Equipment Contractor shall coordinate installation with kitchen equipment.

LL. Item 37 – Fire control system – One required

1. Provided and installed by mechanical contractor.
2. Kitchen Equipment Contractor shall coordinate installation with kitchen equipment.

MM. Item 38 – Hood fans – One required

1. Provided and installed by mechanical contractor.
2. Kitchen Equipment Contractor shall coordinate installation with kitchen equipment.

NN. Item 39 – Heated cabinet – Two required

1. Traulsen RHF132WP-HHG.
2. Provide the following:
   a. Item 39, 40, and 41 by same manufacture.

b. 120/208/1.
c. Cord and plug, each unit.
d. Stainless steel interior and exterior, each unit.
e. Half-height doors, each unit.
f. Half height glass doors on kitchen side, each unit.
g. Stainless steel half height doors on serving side, each unit.
h. Hinge doors according to the kitchen plans.
i. Eight pair of 16 gauge stainless steel universal tray slides with mounting hardware, each door.
j. Non marking grease resistant casters two with brakes.

OO. Item 40 – Heated cabinet – Two required

1. Traulsen RHF232WP-HHG.
2. Provide the following:
   a. Item 39, 40, and 41 by same manufacture.
   b. 120/208/1.
   c. Cord and plug, each unit.
   d. Stainless steel interior and exterior, each unit.
   e. Half-height doors, each unit.
   f. Half height glass doors on kitchen side, each unit.
   g. Stainless steel half height doors on serving side, each unit.
   h. Hinge doors according to the kitchen plans.
   i. Eight pair of 16 gauge stainless steel universal tray slides with mounting hardware, each door.
   j. Non marking grease resistant casters two with brakes.

PP. Item 41 – Refrigerator – Two required

1. Traulsen RHT232WPUT-HHG.
2. Provide the following:
   a. Item 39, 40, and 41 by same manufacture.
   b. 120/1 with cord and plug, each unit.
   c. Stainless steel interior and exterior.
   d. Half-height doors, each unit.

e. Half height Glass doors on kitchen line side, each unit.
f. Stainless steel half height doors on serving side, each unit.
g. Hinge doors according to the kitchen plans.
h. Stainless steel half height doors on serving side.
i. Eight pair of 16 gauge stainless steel universal tray slides with mounting hardware, each door.
j. Non marking grease resistant casters two with brakes.

QQ. Item 42 – Salad bar – Two required

1. Duke TCM-60PG-N7.
2. Fabricated according to details, drawings and specifications.
3. Provide the following:
   a. Item 42, 44, 45, and 49 by same manufacture.
   b. 14 gauge stainless steel top, each unit.
   c. 34” high to top.
   d. 32” high to tray slide.
   e. Center cold pan in top. Equal spacing on both sides. Each unit.
   f. 120/1 with cord and plug, each unit.
   g. Sliding doors, each unit.
   h. Two Duke stainless steel solid tray side on fold down brackets, each unit.
   i. Duke TS580-60 food shield with LED lights and stainless steel shelves in lieu of glass shelf, each unit.
   j. Food guard lights are to be pre-wired from the factory, single point connection, each unit.
   k. Non standard laminate color on base front verify color and pattern with Architect, each unit.
   l. 10’-0” cord and plug, each unit.
   m. Four polyurethane casters two with brakes, each unit.

RR. Item 43 – Beverage refrigerator – Two required

1. True GDM-33CPT-54-HC-LD.
2. Provide the following:
   a. 120/1 with cord and plug, each unit.
   b. 4” diameter casters, each unit.

SS. Item 44 –Hot/Cold/Freeze counter – Five required

1. Duke THCF-92.
2. Fabricated according to details, drawings and specifications.
3. Provide the following:
   a. Item 42, 44, 45, and 49 by same manufacture.
   b. 14 gauge stainless steel top.
   c. 34" deep top.
   d. 34" high to top.
   e. 32" high to tray slide.
   f. Duke stainless steel solid tray side on fold down brackets, each unit..
   g. 120/1 with cord and plug, each unit.
   h. Duke TS540-88 food shield with LED lights, each unit.
   i. Food guard lights are to be pre-wired from the factory, single point connection, each unit.
   j. Expression drain handle, each unit.
   k. 7" stainless steel cutting board with fold down brackets, each unit.
   l. Non standard laminate color on base front verify color and pattern with Architect, each unit.
   m. Cord and plug, each unit.
   n. Four polyurethane casters two with brakes, each unit.

TT. Item 45 – Flat top counter – Two required

1. Duke TST-32.
2. Fabricated according to details, drawings and specifications.
3. Provide the following:
   a. Item 42, 44, 45, and 49 by same manufacture.
   b. 14 gauge stainless steel top.
   c. 34" deep top.
   d. 34" high to top.
   e. 32" high to tray slide.
   f. Duke stainless steel solid tray side on fold down brackets, each unit.
   g. Duke TS540-32 food shield with LED lights, each unit.
   h. Non standard laminate color on base front verify color and pattern with Architect, each unit.

i. 120/1 with cord and plug, each unit.

j. Four polyurethane casters two with brakes, each unit.

UU. Item 46 – Pizza oven – One required.

1. Existing, furnished and installed by owner.
2. Lincoln 1130-000-V-KF006.

VV. Item 47 – Work table – One required.

1. Fabricated according to details, drawings and specifications.
2. Provide the following:

a. 14 gauge stainless steel one piece coved corner top. 36” high to top.

b. Top turned down 1½” and back ½” on a slight angle on all free sides.

c. 18 gauge stainless steel undershelf where space allows notched and fully welded to legs. Free sides turned down 1 ½” and back ½” on a slight angle and turn up 2” at walls.

d. Two 14 gauge stainless steel hat channels full length, fully welded to end channels. DO NOT OMIT OR NOTCH CHANNELS FOR DRAWER FRAME.

e. Copper flashed weld studs capped with stainless steel acorn nuts.

f. ¾” tacky tape between all metal surfaces, installed to create a vermin proof seal.

g. Stainless steel gussets fully welded 360 degrees to channels.

h. 1 5/8” 16 gauge stainless steel tubing legs.

i. Channels shall be welded to each other with a 1”x1” x 4” x 1”x 1” continuous weld, typical. Gussets shall be welded to channels or plate with a 360 degrees continuous weld, typical.

j. Center legs 3” maximum from edge of tops, inside of rolls and backsplash surfaces.

k. All welding and stainless steel surfaces grind smooth and polished to a number 4 finish.

l. Four polyurethane casters two with brakes.

WW. Item 48 - Milk cooler – Two required

1. Traulsen RMC58D4.

a. Provide the Following:

b. 120/1 with cord and plug set, each unit.

c. Stainless steel interior and exterior, each unit.

d. Wrap around bumpers and corner bumpers, each unit.

XX. Item 49 – Cashier stand – Two required

1. Duke TCS-30SS.
2. Fabricated according to details, drawings and specifications.
3. Provide the following:
   a. 34” high to top.
   b. 32” high to tray slide.
   c. Item 42, 44, 45, and 49 by same manufacture.
   d. Stainless steel drawer with cylinder lock and keys, each unit.
   e. Two Duke stainless steel solid tray side on fold down brackets, each unit.
   f. FH ferruled hole in top for cord and plug.
   g. Non standard laminate color on base front verify color and pattern with Architect, each unit.
   h. CO convenience outlet duplex outlet in counter base, each unit.
   i. Cord and plug, each unit.
   j. Four polyurethane casters two with brakes, each unit.

YY. Item 50 – Heater and proofer cabinet – One required

1. Metro C539-CLDC-U.
2. Provide the following:
   a. 120/1 with cord and plug.
   b. 1440 watts, 12 amps.
   c. Dutch doors.
   d. Door(s) hinged right.
   e. See thru lexan door panel(s).

ZZ. Item 51 – Refrigerated pizza prep – One required

1. Traulsen CLPT-2708-DW.
2. Provide the following:
   a. 120V/1 with cord and plug.

AAA. Item 52 – Work table – One required.

1. Fabricated according to details, drawings and specifications.

2. Provide the following:
   a. 14 gauge stainless steel one piece coved corner top. 36” high to top.
   b. Top turned down 1½” and back ½” on a slight angle on all free sides.
   c. 18 gauge stainless steel undershelf where space allows notched and fully welded to legs. Free sides turned down 1 ½” and back ½” on a slight angle and turn up 2” at walls.
   d. Two 14 gauge stainless steel hat channels full length, fully welded to end channels. DO NOT OMIT OR NOTCH CHANNELS FOR DRAWER FRAME.
   e. Copper flashed weld studs capped with stainless steel acorn nuts.
   f. ¾” tacky tape between all metal surfaces, installed to create a vermin proof seal.
   g. Stainless steel gussets fully welded 360 degrees to channels.
   h. 1 5/8” 16 gauge stainless steel tubing legs.
   i. Channels shall be welded to each other with a 1”x1” x 4” x 1”x 1” continuous weld, typical. Gussets shall be welded to channels or plate with a 360 degrees continuous weld, typical.
   j. Center legs 3” maximum from edge of tops, inside of rolls and backsplash surfaces.
   k. All welding and stainless steel surfaces grind smooth and polished to a number 4 finish.
   l. Four polyurethane casters two with brakes.

BBB.Item 53 – Soiled dishtable – One required

1. Fabricated according to details, drawings and specifications.
2. Provide the following:
   a. 14 gauge stainless steel one piece coved corner top.
   b. 3” high with a 1½” diameter semi-roll at free sides.
   c. 18” high splash at walls.
   d. 14 gauge stainless steel fully welded channels, cap front.
   e. Copper flashed weld studs capped with stainless steel acorn nuts.
   f. ¾” tacky tape between all metal surfaces, installed to create a vermin proof seal.
   g. 18 gauge stainless steel undershelf where space allows notched and fully welded to legs. Free sides turned down 1 ½” and back ½” on a slight angle and turn up 2” at walls.

h. 21” X 21” X 5” deep 14 gauge stainless steel coved corner pre-rinse sink with removable perforated 16 gauge stainless steel scrap basket and 1” round stainless steel tubing rack runners fully welded to basket.

i. One (1) T & S B-1433-CR hose reel and riser support secured to wall with stainless steel screws

j. One Fisher 30376 basket drain.

k. Install one Item 54 below the sink

l. Stainless steel gussets fully welded 360 degrees to channels.

m. 1 5/8” 16 gauge stainless steel tubing legs.

n. 1 5/8” 16 gauge stainless steel tubing crossrails fully welded 360 degrees to legs.

o. Stainless steel adjustable bullet feet.

p. Stainless steel adjustable flanged feet with two holes at all front legs secure to floor with two non corrosive anchors.

q. Z clip splash to walls, unexposed.

r. All welding and stainless steel surfaces grind smooth and polished to a number 4 finish.

s. Channels shall be welded to each other with a 1” x 1” x 4” x 1”x 1” continuous weld, typical. Gussets shall be welded to channels or plate with a 360 degrees continuous weld, typical.

t. Center legs 3” maximum from edge of tops, inside of rolls and backsplash surfaces.

CCC. Item 51 – Drain strainer – Two required

1. The Drain Strainer plate top 1392, cost approximately $1,000.00.

DDD. Item 55 – Dish machine – one required

1. Hobart CL44E-EGR.
2. Provide the following:
   a. 480/3.
   b. Single point electrical connection for machine, tank heat, motors, and booster heater.
   c. Built in 70 degree rise booster heater.
   d. Electric tank heat.
   e. Higher than standard chamber with 24” opening.
   f. Table limit switch.

g. Drain water tempering kit, factory installed.
h. Fan interlock control.
i. Two stainless steel vent hood with locking damper.
j. Two Hobart wire racks with both sides cut out for bun pans.
k. Two flat racks.
l. Four peg racks.

EEE. Item 56 – Dish machine vent – one required

1. Fabricated according to details, drawings and specifications.
2. Provide the following:
   a. 18 gauge stainless steel fully welded liquid tight one piece duct extending up from dishwasher vents at each end over controls, angled all sides in to one point at middle over dishmachine, extend duct up to 6” above finished ceiling line.
   b. 14 gauge stainless steel welded angle trim at ceiling penetration.
   c. All fans, ductwork, electrical final connections, etc. by others.

FFF. Item 57 – Clean dishtable – one required

1. Fabricated according to details, drawings and specifications.
2. Provide the following:
   a. 14 gauge stainless steel one piece coved corner top.
   b. 3” high with a 1½” diameter semi-roll at free sides.
   c. 18” high splash at walls.
   d. 14 gauge stainless steel fully welded channels, cap front.
   e. Copper flashed weld studs capped with stainless steel acorn nuts.
   f. ¾” tacky tape between all metal surfaces, installed to create a vermin proof seal.
   g. 18 gauge stainless steel undershelf where space allows notched and fully welded to legs. Free sides turned down 1 ½” and back ½” on a slight angle and turn up 2” at walls.
   h. Stainless steel gussets fully welded 360 degrees to channels.
   i. 1 5/8” diameter 16 gauge stainless steel tubing legs.
   j. 1 5/8” diameter 16 gauge stainless steel crossrails fully welded 360 degrees to legs.
   k. Stainless steel adjustable bullet feet.

l. Stainless steel flanged feet with two holes at all front legs, secure to floor with two non corrosive anchors.

m. 16 gauge stainless steel removable overshelf mounted on 1 5/8" outside diameter tubing supports through splash to brackets welded to legs, 2" X 3/16" stainless steel band fully weld to brackets full length and stainless steel double sided pot hooks 8" on centers. Mount 60" above finished floor (66" at pot sink/dishtable), verify height with mini pre rinse faucet and owner. Free sides turned down 1 ½" and back ½" on a slight angle and turn up 2" at walls.

n. Channels shall be welded to each other with a 1" x 1" x 4" x 1"x 1" continuous weld, typical. Gussets shall be welded to channels or plate with a 360 degrees continuous weld, typical.

o. Center legs 3" maximum from edge of tops, inside of rolls and backsplash surfaces.

p. Table limit switch for dishmachine.

q. All welding and stainless steel surfaces grind smooth and polished to a number 4 finish.

r. Z clip splash to walls, unexposed.

GGG. Item 58 – Pot and pan sink – one required

1. Fabricated according to details, drawings and specifications.
2. Provide the following:

a. 14 gauge stainless steel one piece coved corner top.

b. 3" high with a 1½" diameter semi-roll at free sides.

c. 15" high splash at walls from top of semi roll (18" from drainboard) (to match 18" high dishtables splash height).

d. Weld in partition or NO SPLIT BOWLS allowed between bowls.

e. Three 24" X 26½" X 15" deep (12" deep from top) 14 gauge stainless steel coved corner sinks. 30" deep table overall.

f. Two 14 gauge stainless steel coved corner integral drainboards.

g. 18 gauge stainless steel undershelf where space allows notched and fully welded to legs. Free sides turned down 1 ½" and back ½" on a slight angle and at all walls turn up 2".

h. 14 gauge stainless steel fully welded channels, cap front.

i. Copper flashed weld studs capped with stainless steel acorn nuts.

j. ¾" tacky tape between all metal surfaces, installed to create a vermin proof seal.

k. Stainless steel gussets fully welded 360 degrees to channels.

l. 1 5/8" 16 gauge stainless steel tubing legs.

m. 1 5/8” 16 gauge stainless steel tubing crossrails fully welded 360 degrees to legs.

n. Stainless steel adjustable bullet feet.

o. Stainless steel adjustable flanged feet with two holes at front corners secure to floor with two non corrosive anchors.

p. One T & S B-0231-CR faucet with ceramic cartridges.

q. One T & S B-0184 faucet with spray hose and ceramic cartridges.

r. Fisher 22411 lever handle drain(s) with overflow with 14 gauge stainless steel handle bracket secure to sink bottom with weld studs and stainless steel acorn nuts, hole in bracket 1/8” maximum larger (LARGE HOLE OR ELONGATED SLOT IS NOT ALLOWED) than handle diameter. MODIFIED drain handle length (reduce or extend) to make the drain handle flush with the face of the sink bowl.

s. 16 gauge stainless steel removable overshelf mounted on 1 5/8” outside diameter tubing supports through splash to brackets welded to legs, 2” X 3/16” stainless steel band fully weld to brackets full length and stainless steel double sided pot hooks 8” on centers. Mount 56” above finished floor (66” at pot sink/dishtable), verify height with mini pre rinse faucet and owner. Free sides turned down 1 ½” and back ½” on a slight angle and turn up 2” at walls.

t. Z clip splash to wall, unexposed.

u. Channels shall be welded to each other with a 1”x1” x 4” x 1”x 1” continuous weld, typical. Gussets shall be welded to channels or plate with a 360 degrees continuous weld, typical.

v. Center legs 3” maximum from edge of tops, inside of rolls and backsplash surfaces.

w. All welding and stainless steel surfaces grind smooth and polished to a number 4 finish.

HHH. Item 59 – Can opener – ***Four FUTURE***

1. Edlund Model 270.
2. Provide the following:
   a. 120/1 with cord and plug.

III. Item 60 – Can opener – Two required

1. Hamilton beach HCO500, each unit.

a. Provide the following:

b. Secure to table top one each to item 9, with stainless steel screws, see plan.

2.5 ITEMIZED PRICES

1. Bidders that do not provide itemized prices for all specified Kitchen Equipment will be rejected.
3. List prices for alternates to specified items on a separate sheet with specifications.
4. Itemized prices may be submitted in Auto Quotes format or spread sheet.

Equipment Sub total (equipment only no labor)

_____

State Taxes (equipment only no labor)

_____

Local/County Taxes

_____

Bond (when required)

_____

Installation Labor

_____

Total Bid Price

_____**$**_____

PART 3 – EXECUTION

3.1 Installation of Kitchen Equipment

A. Unload, uncrate, assemble, set-in place, hang, level and adjust Kitchen Equipment. Tag parts shipped loose. Furnish necessary installation instructions. Clean up all trash immediately upon completion of installation and remove from the project site.

B. Neatly seal gaps of ¼" or less between Kitchen Equipment and walls, other equipment and floors with a "50 year" food grade clear silicone sealant. Seal gaps of ¼" or more with 14 gauge stainless steel trim fully welded ground smooth and polished to No. 4

finish or neatly attach trim with concealed stainless steel blots and nuts silicon trim to wall.

C. Erect Kitchen Equipment at project site in full compliance with the codes and regulations of the state and local Health Department.

D. Remove all protective coatings and other markings from Kitchen Equipment before demonstration. Wash with soap and water, rinse clean and dry spotless.

E. Provide a competent foreman at the project site to supervise installation of all Kitchen Equipment, and to coordinate with other trades in reference to connections at time of installation. Tag and deliver plumbing and electrical parts, furnished loose and specified as part of the Kitchen Equipment to respective installing trades.

F. Provide all Zee clips and angles necessary for wall mounting of Kitchen Equipment.

G. Any sleeves, flanges of anchor bolts required to be built in to building structure to be provided to respective trades.

3.2 TESTING, CALIBRATION AND DEMONSTRATION

A. After completion of final connection by respective trades, test and calibrate Kitchen Equipment for proper operation. Make any necessary adjustments and re-test, repair or replace Kitchen Equipment producing objectionable noise.

B. Repair finishes marred during handling and installation or replace if required by the owner or consultant.

C. Schedule demonstration of Kitchen Equipment with manufacturer’s representatives, and owner’s personnel.

D. Provide pictures of completed punch list deficiencies to Contractor, Architect Owner and Consultant for review after all punch list work has been completed.

END OF SECTION

Owasso 8th Grade Addition

Owasso, Oklahoma

A TRACT OF LAND A PART OF OWASSO PUBLIC SCHOOLS, AN ADDITION TO THE CITY OF OWASSO, TULSA COUNTY, OKLAHOMA

DEVELOPER:
Owasso Public Schools
Dist No I-11
1510 N Ash
Owasso, OK 74055
Phone: (918) 272-5367
Contact: Mark Knowlton

ENGINEER:
Wallace Design Collective, PC
123 MLK Jr. Blvd.
Tulsa, Oklahoma, 74103
Phone: (918) 584-5858
A. NICOLE WATTS, P.E. NO. 21511
OK CA NO. 1460, EXPIRES 6/30/2027
nicole.watts@wallace.design

SURVEYOR:
Wallace Design Collective, PC
123 MLK Jr. Blvd.
Tulsa, Oklahoma, 74103
Phone: (918) 584-5858
OK CA NO. 1460, EXPIRES 6/30/2027
cliff.bennett@wallace.design

AS-BUILT NOTE:

THE CONTRACTOR SHALL KEEP ON SITE A CURRENT SET OF THE APPROVED CONSTRUCTION WORKING DRAWINGS AT ALL TIMES. THE CONTRACTOR SHALL MARK (IN RED INK) ALL APPROVED CHANGES INCURRED FOLLOWING PUBLIC WORKS DEPARTMENT APPROVAL OF THE INITIAL DRAWINGS. THESE CHANGES MAY BE INITIATED FROM FIELD CONDITIONS OR CHANGES MADE BY THE DESIGN ENGINEER OR THE PUBLIC WORKS ENGINEER. EXCEPT FOR MINOR FIELD ADJUSTMENTS, ALL CHANGES SHALL BE REVIEWED AND AGREED TO BY THE DESIGN ENGINEER AND THE PUBLIC WORKS ENGINEER PRIOR TO FINAL APPROVAL OF THE PROJECT. THE CONTRACTOR SHALL SUBMIT THE WORKING DRAWINGS TO THE ENGINEER OF RECORD (DESIGN ENGINEER) AFTER FINAL INSPECTION OF PROJECT TO SERVE AS A BASIS FOR DEVELOPEMNT OF FINAL AS-BUILT RECORD DRAWINGS.

ENGINEERING STATEMENT:

I HEREBY CERTIFY THAT I AM FAMILIAR WITH THE ADOPTED ORDINANCES AND REGULATIONS OF THE CITY OF OWASSO GOVERNING WATER FACILITIES, SEWER FACILIITIES, STREETS, AND DRAINAGE FACILITIES; THAT THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION; THE ABOVE AND THE FOREGOING PLANS COMPLY WITH ALL THE GOVERNING ORDINANCES AND THE ADOPTED STANDARDS OF THE CITY OF OWASSO TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF.

CONTACT LIST

WALLACE DESIGN COLLECTIVE
A. NICOLE WATTS, PE, CFM
123 MARTIN LUTHER KING JR. BLVD
TULSA, OK 74103
PHONE: (918) 584-5858

CITY OF OWASSO
H. DWAYNE HENDERSON
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OWASSO, OK 74055
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AEP/PSO
DWAYNE BOGGS
212 EAST 6TH STREET
TULSA, OK 74102
PHONE: (918) 599-6503

OKLAHOMA NATURAL GAS
KYMBERLY CRUDE
5848 EAST 15TH STREET
TULSA, OK 74112
kymberly.cude@ongas.com
PHONE: (918) 831-8386

SBC TELEPHONE COMPANY
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TULSA, OK 74136
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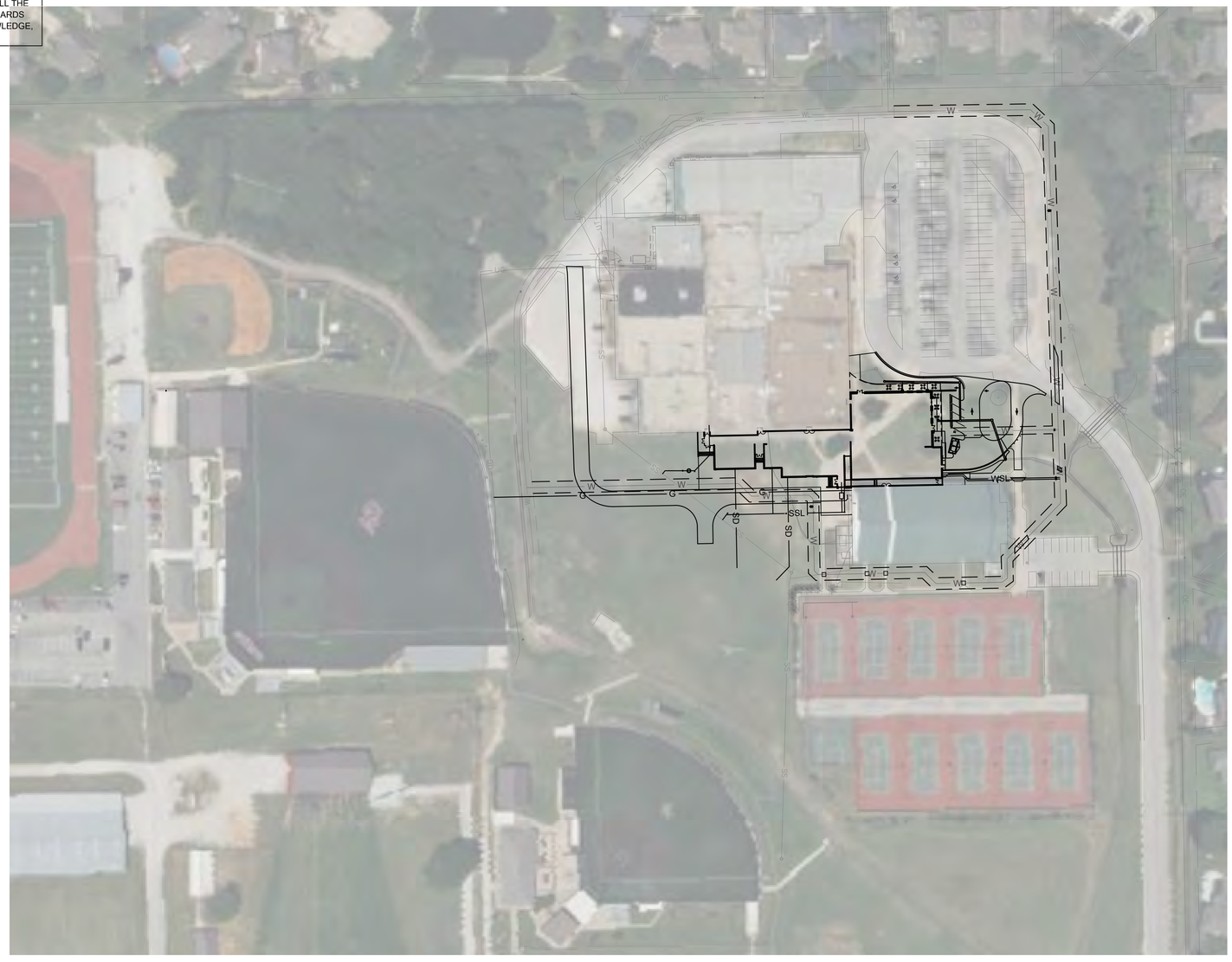
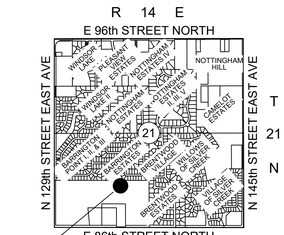
COX COMMUNICATIONS
ROBERT DREW
11811 EAST 51ST STREET
TULSA, OK 74145
PHONE: (918) 286-4657



TULSA COUNTY
OKLAHOMA



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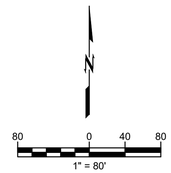

SHEET INDEX

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THE FOLLOWING STANDARD DRAWINGS FROM THE CITY OF OWASSO ENGINEERING SERVICES AND ODOT WILL BE REQUIRED:

STRT-07	CURB, GUTTER AND SIDEWALK
STRM-01	STORM SEWER PIPE INSTALL
STRM-20	SILT FENCE
WA-01	WATER PIPE INSTALLATION
WA-04	LONG WATER SERVICE (SINGLE)
WA-07	0.75 TO 2-INCH METER SETTING
WA-15	3-INCH AND LARGER METER
WA-17	MECHANICAL RESTRAINT FOR JOINTS
SAN-02	SEWER PIPE TABLE
SAN-07	SANITARY SEWER PIPE CONNECTOR
SAN-09	SANITARY SEWER SERVICE LINE UNDER PAVEMENT

811 Know what's below. Call before you dig.

CAUTION

NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

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web: stacy-group.com

REGISTERED PROFESSIONAL ENGINEER — A. NICOLE WATTS — OKLAHOMA

3/26/2026

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OWASSO
8th GRADE
ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK
2025

PROJECT

KEY PLAN

CITY SUBMITTAL	11.25.2025
CITY RESUBMITTAL	02.12.2026
⚠ ADDENDUM #2	03.26.2026

REVISIONS

11.25.2025

ISSUE DATE

2440383.01	PROJECT NO
LXJ	DRAWN BY
ANW	CHK'D BY

COVER SHEET

C100

SHEET TITLE

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3/26/2026

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OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK 2025

PROJECT

KEY PLAN

CITY SUBMITTAL	11.25.2025
CITY RESUBMITTAL	02.12.2026
⚠ ADDENDUM #2	03.26.2026

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11.25.2025

ISSUE DATE

244038.01 | PROJECT NO
LSJ | DRAWN BY
ANW | CHK'D BY

OVERALL EROSION CONTROL PLAN

C200

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LEGEND

- REMOVE ASPHALT PAVEMENT
- REMOVE CONCRETE SIDEWALK
- REMOVE CONCRETE PAVEMENT
- REMOVE GRAVEL PAVEMENT
- REMOVE & REPLACE FOR UTILITY CONSTRUCTION (N/C801)

TOTAL DISTURBED AREA:

2.00 ACRES

LEGEND

- SF — SILT FENCE RE: OWASSO STD. STRM-20
- TEMPORARY SILT DIKE INLET PROTECTION RE: ODOT STD TSD-2
- STRAW WATTLES RE: ODOT STD. R-8
- CONCRETE WASHOUT RE: ODOT STD. R-13

PROPERTY LINE

CONTRACTOR TO REMOVE EXISTING EXTENSION TO EX FH & PLUG LINE TO THE WEST

EX. FH TO REMAIN AND CONNECT TO NEW 6" WATERLINE

EXISTING FH

CONCRETE WASHOUT

BENCHMARK
"x" IRON PIN
N: 473665.52
E: 2609796.271
ELEV: 643.96

EXISTING GRAVEL DRIVE IS TO ACT AS STABILIZED CONSTRUCTION ENTRANCE FOR LIFE OF PROJECT; DRIVE SHALL REMAIN FOR ENTIRETY OF CONSTRUCTION

20'

PROTECT CURB

EXISTING BUILDING
645.50

PAVEMENT TRANSITION TO BE APPLIED ALONG EXISTING WHERE NEW PAVEMENT IS TO BE ABUT

SAWCUT FULL DEPTH

REMOVE CURB & GUTTER

R75'

95'

REMOVE LANDSCAPING & TREES

REMOVE EXISTING SANITARY SEWER SERVICE LINE & ASSOCIATED CLEANOUTS

REMOVE EXISTING SANITARY SEWER SERVICE LINE, SSMH & ASSOCIATED CLEANOUTS UNDER NEW BUILDING FOOTPRINT

REMOVE 83.15LF OF EXISTING 10" CPP & ASSOCIATED END SECTION

REMOVE END SECTION & PROTECT 18" PIPE

REMOVE & REPLACE CONCRETE CHANNEL

5'L

38'

REMOVE 415.30LF OF EXISTING 6" WATERLINE

CONTRACTOR TO DISCONNECT WATERLINE AND REPAIR CONNECTION BEFORE REPLACEMENT

FIRE HYDRANT TO BE REMOVED AND RELOCATED (SEE UTILITY PLAN FOR RELOCATION)

SAWCUT FULL DEPTH

36'

FDC TO BE REMOVED AND JOINED TO NEW ADDITIONS FIRE SUPPRESSION SYSTEM OR MOVED TO EAST SIDE OF BUILDING RE: MEP & FIRE SUPPRESSION PLANS

TRANSITION TO BE APPLIED ALONG EXISTING WHERE NEW PAVEMENT IS TO BE ABUT

EXISTING BUILDING
641.50F.F

BENCHMARK
"x" IRON PIN
N: 473380.442
E: 2610174.993
ELEV: 640.80

BENCHMARK
"x" IRON PIN
N: 473605.781
E: 2610498.691
ELEV: 642.74

73'

62'

20'

28'

PROPERTY LINE

30 0 15 30
1" = 30'

BEFORE YOU DIG
811
STILLWATER OKIE
CALL OKIE

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21011
OKLAHOMA
3/26/2026

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OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK
2025

PROJECT

KEY PLAN

CITY SUBMITTAL	11.25.2025
CITY RESUBMITTAL	02.12.2026
⚠1 ADDENDUM #2	03.26.2026

REVISIONS

11.25.2025

ISSUE DATE

DEMOLITION & PHASE I EROSION CONTROL PLAN

2440183.01 | PROJECT NO
LSJ | DRAWN BY
ANW | CHK'D BY

C201

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LEGEND

- STRAW WATTLES
  RE: ODOT STD. R-8
- SF — SILT FENCE
  RE: OWASSO STD. STRM-20
- CONCRETE WASHOUT
  RE: O/C801
- TEMPORARY SILT DIKE INLET PROTECTION
  RE: ODOT STD TSD-2
- FINAL SODDING OR SEEDING FOR EROSION CONTROL PREVENTION

PROPERTY LINE

EXISTING BUILDING
645.50

EXISTING GRAVEL DRIVE IS TO ACT AS STABILIZED CONSTRUCTION ENTRANCE FOR LIFE OF PROJECT; DRIVE SHALL REMAIN FOR ENTIRETY OF CONSTRUCTION

CITY OF OWASSO
REGULATORY FLOODPLAIN

EXISTING BUILDING
641.50F.F

PROPERTY LINE

N

30 0 15 30
1" = 30'

BEFORE YOU DIG
811 OR 1-800-522-OKIE
CALL OKIE

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OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK
2025
PROJECT

KEY PLAN

CITY SUBMITTAL	11.25.2025
CITY RESUBMITTAL	02.12.2026
⚠1 ADDENDUM #2	03.26.2026

REVISIONS

11.25.2025
ISSUE DATE

2440383.01 | PROJECT NO
LSJ | DRAWN BY
AWW | CHK'D BY

PHASE II EROSION CONTROL PLAN

C202
SHEET TITLE

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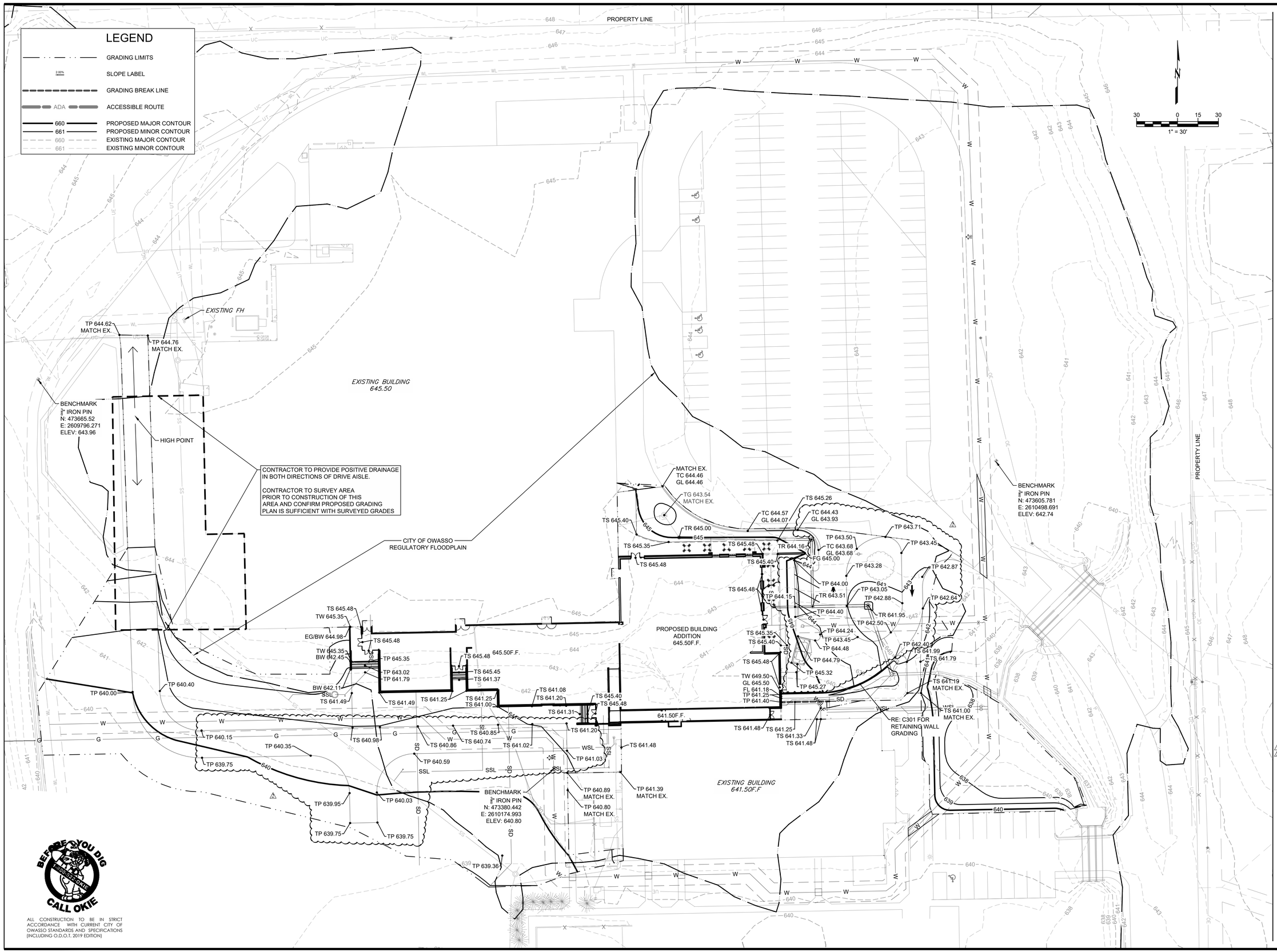

BEFORE YOU DIG OKIE
811 OKLAHOMA ONE CALL
CALL OKIE

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OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK 2025

PROJECT

KEY PLAN

CITY SUBMITTAL	11.25.2025
CITY RESUBMITTAL	02.12.2026
1 ADDENDUM #1	03.02.2026
2 ADDENDUM #2	03.26.2026

REVISIONS

11.25.2025

ISSUE DATE

2440383.01 | PROJECT NO
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AWS | CHK'D BY

OVERALL GRADING PLAN

C300

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LEGEND

- GRADING LIMITS
- 2.00% — SLOPE LABEL
- GRADING BREAK LINE
- ADA — ACCESSIBLE ROUTE
- 660 — PROPOSED MAJOR CONTOUR
- 661 — PROPOSED MINOR CONTOUR
- 660 — EXISTING MAJOR CONTOUR
- 661 — EXISTING MINOR CONTOUR

N

20 0 10 20

1" = 20'

EXISTING MANHOLE TO REMAIN AT EXISTING ELEV (APPROX 636.60 TR)

CONTRACTOR TO PROTECT EXISTING CONCRETE CHANNEL; GRADING EXTENTS ARE REPRESENTED HERE AND NO PROPOSED GRADING SHALL IMPEDE WITHIN 5' OF THE CONCRETE CHANNEL. CONTRACTOR SHALL GRADE ALL NEW GRADES TO FLOW/DRAIN TO EXISTING CHANNELS

BACKSTOP AND ASSOCIATED ITEMS FROM PRACTICE SOFTBALL FIELD TO BE REMOVED AND REINSTALL TO OWNER'S STANDARD

EXISTING MANHOLE TO REMAIN AT EXISTING ELEV (APPROX 636.60 TR)

EXISTING MANHOLE TO REMAIN AT EXISTING ELEV (APPROX 636.60 TR)

BEFORE YOU DIG 1-800-522-OKIE CALL OKIE

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OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK 2025

PROJECT

KEY PLAN

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⚠1 ADDENDUM #2	03.26.2026

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LSJ | DRAWN BY
ANW | CHK'D BY

DETENTION AREA GRADING PLAN

C300A

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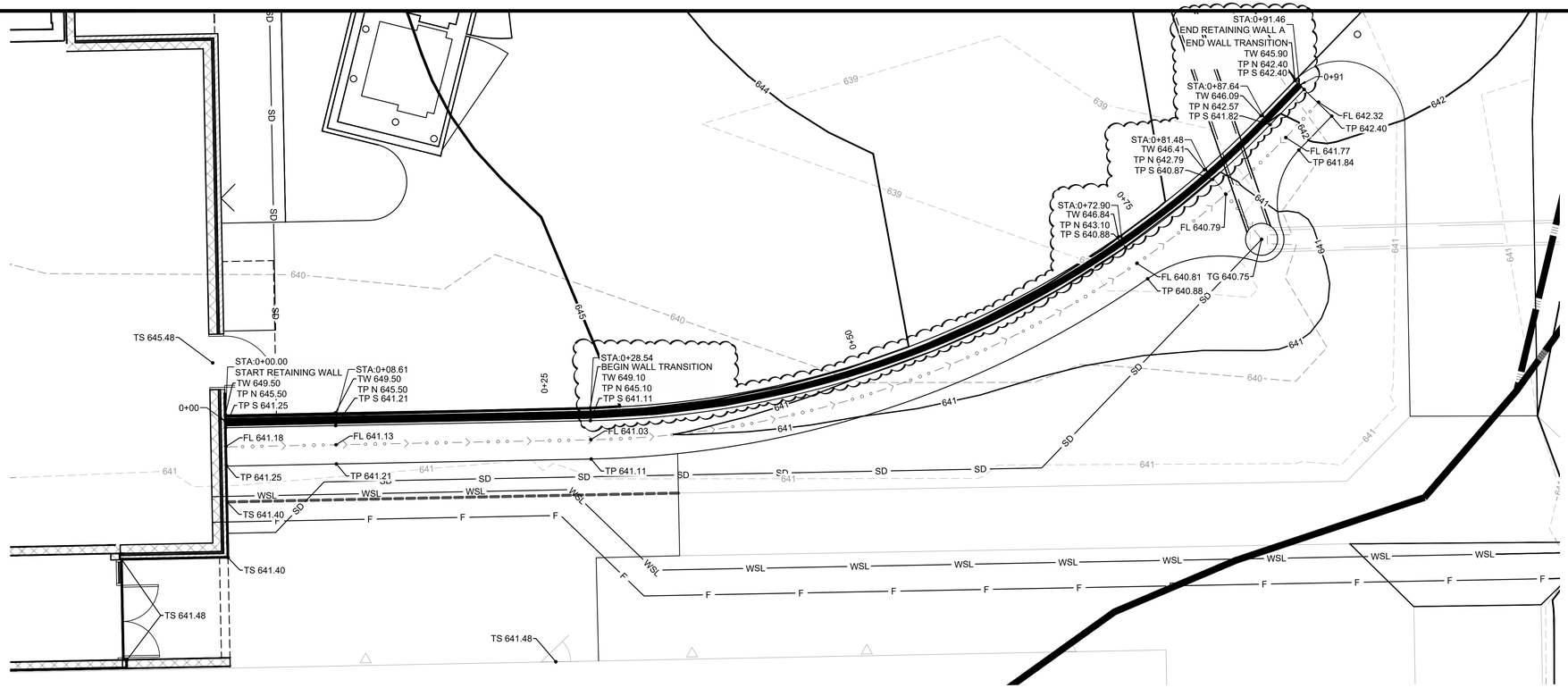
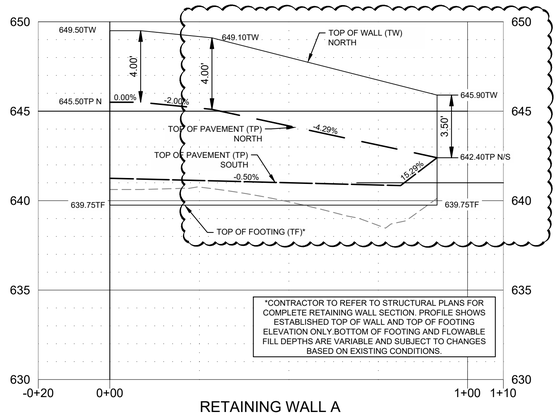


5 0 2.5 5
1" = 5'

A Retaining Wall A - Plan

Scale: 1" = 5'



B Retaining Wall A - Profile

Scale: V: 1"=2'; H: 1"=20'

BEFORE YOU DIG CALL OKIE

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OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK
2025

PROJECT

KEY PLAN

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RETAINING WALL PLAN

C301

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COMPENSATORY STORAGE VOLUME ANALYSIS

NET 2D AREA:	36,223.11SF
CUT W/ IN OWASSO FLOODZONE:	413.63 CY
FILL W/ IN OWASSO FLOODZONE:	114.11 CY
NET VOLUME:	299.53 CY (CUT)

*1.15 FILL FACTOR

VOLUME ANALYSIS LEGEND

- CUT SECTIONS
- FILL SECTIONS

CITY OF OWASSO REGULATORY FLOODPLAIN

CONTRACTOR TO FIELD VERIFY ALL UTILITIES WITH OWASSO SCHOOL OFFICIALS AND CALL OKIE PRIOR TO GRADING!

REVISED DETENTION AREA

EXISTING MANHOLE TO REMAIN AT EXISTING ELEV (APPROX 636.60 TR)

BACKSTOP AND ASSOCIATED ITEMS FROM PRACTICE SOFTBALL FIELD TO BE REMOVED AND REINSTALL TO OWNER'S STANDARD

CITY OF OWASSO REGULATORY FLOODPLAIN

POA-1

EXISTING MANHOLE TO REMAIN AT EXISTING ELEV (APPROX 636.60 TR)

EXISTING MANHOLE TO REMAIN AT EXISTING ELEV (APPROX 636.60 TR)

N

50 0 25 50

1" = 50'

LEGEND

- GRADING LIMITS
- 2.00% SLOPE LABEL
- GRADING BREAK LINE
- ADA ACCESSIBLE ROUTE
- 660 PROPOSED MAJOR CONTOUR
- 661 PROPOSED MINOR CONTOUR
- 660 EXISTING MAJOR CONTOUR
- 661 EXISTING MINOR CONTOUR
- POA POINT OF ANALYSIS

BEFORE YOU DIG 1-800-522-6543 CALL OKIE

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RUNOFF SUMMARY (SCS)

STORM EVENT	EXISTING RUNOFF (CFS) POA-1 (J07-04)	PROPOSED RUNOFF (CFS) POA-1 (J07-04)	DIFFERENCE (CFS) POA-1 (J07-04)
1 Year (100%)	135.8	131.6	-4.2
2 Year (50%)	196.1	192.9	-3.2
5 Year (20%)	382.1	382.1	0.0
10 Year (10%)	509.3	509.1	-0.2
25 Year (4%)	667.1	666.9	-0.2
50 Year (2%)	789.6	789.3	-0.3
100 Year (1.0%)	920.5	919.8	-0.7

*RUNOFF SUMMARY FLOWS ARE FROM THE CITY OF OWASSO MDP HEC-HMS MODEL UPDATED TO INCLUDE THE OWASSO 8TH GRADE PROJECT.

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OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK 2025

PROJECT

KEY PLAN

CITY SUBMITTAL	11.25.2025
CITY RESUBMITTAL	02.12.2026
⚠1 ADDENDUM #1	03.02.2026
⚠2 ADDENDUM #2	03.26.2026

REVISIONS

11.25.2025

ISSUE DATE

2440383.01 | PROJECT NO
EAF | DRAWN BY
ANW | CHK'D BY

REVISED DETENTION AREA & COMPENSATORY STORAGE

C303

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SITE DATA

LAND AREA SUMMARY
NET LAND AREA — 332,803 SF (7.64 AC)

ZONING
ZONING — PUBLIC FACILITIES (PF)

ADDRESS
13901 EAST 86TH STREET NORTH

BUILDING DATA
EXISTING 8TH GRADE CENTER:	93,293 SF
EXISTING GYMNASIUM:	19,803 SF
PROPOSED ADDITION:	23,105 SF
TOTAL BUILDING:	136,201 SF

OFF-STREET PARKING REQUIREMENTS
REQUIRED PARKING SPACES
PROVIDED: 177 PARKING SPACES

HANDICAP PARKING REQUIREMENTS
REQUIRED:	6 HANDICAP SPACES
PROVIDED:	6 HANDICAP SPACES

IMPERVIOUS AREA
TOTAL DISTURBED AREA:	197,134 SF (4.53 AC) ⚠
EXISTING IMPERVIOUS AREA:	310,557 SF (7.12 AC)
PROPOSED IMPERVIOUS AREA:	333,644 SF (7.65 AC)
NET INCREASE:	+ 23,086.80 SF

LEGAL DESCRIPTION
S/2 SW LESS BEG SWC SE SE SW SW TH NW552.98 E388.06 N110 E660 S660 W POB & LESS W33 THEREOF FOR RD & LESS S60.01 E962.73 W995.73 THEREOF & LESS S60.01 E665.92 SE SW FOR RD SEC 21 21 14 62.602AC

SECTION: 21 TOWNSHIP: 21 RANGE: 14

FEMA FLOODPLAIN
FIRM PANEL: 40143C0139L EFF. 10/15/12
40143C0137K EFF. 08/02/09

DESIGNATION: ZONE A

IMPERVIOUS AREA NOTE:

A DRAINAGE LETTER HAS BEEN PROVIDED TO THE CITY OWASSO WHICH PROVIDES AN ANALYSIS DEMOSTRATING THAT THERE IS NO SIGNIFICANT INCREASE IN THE 100-YEAR PEAK FLOWS AT EAST 86TH STREET NORTH AS THE STORMWATER LEAVES THE SITE. THE 100-YEAR FLOW AT JUNCTION J07-04 IS MODELED IN THE ECMDP HEC-RAS MODEL AS 970 CFS, SO THERE IS NO EXPECTED RISE IN IN THE MODELED WATER SURFACE ELEVATIONS AT AND DOWNSTREAM OF EAST 86TH STREET NORTH. **THEREFORE, THERE ARE NO EXPECTED DOWNSTREAM ADVERSE EFFECTS DUE TO THIS PROPOSED DEVELOPMENT.**

MISC. NOTES:

- ALL EXTERIOR LIGHTING FIXTURES SHALL BE FULL CUT-OFF AND SHIELDED
- ALL EXTERIOR HVAC EQUIPMENT SHALL BE FULLY SCREENED AS PER THE OWASS ZONING CODE.

RS-3 ZONING
RESIDENTIAL SINGLE FAMILY

PROPERTY LINE

R 14 E
E 96th STREET NORTH
T 21 N
N 129th STREET EAST AVE
N 145th STREET EAST AVE
E 86th STREET NORTH
Subject Site
Location Map
Scale: 1"=2000'

N
30 0 15 30
1" = 30'

BENCHMARK
3" IRON PIN
N: 473665.52
E: 2609796.271
ELEV: 643.96

20'

15' WATER LINE EASEMENT

EXISTING BUILDING
93,293 SF
645.50 FFE
±12'-0" TOP OF PARAPET

CITY OF OWASSO
REGULATORY FLOODPLAIN

PAVEMENT TRANSITION
RE: D/C800

CURB & GUTTER
RE: C/C800

73.50LF OF TRANSITIONAL CURB (0" TO 6")
RE: DD/C800

23.56LF OF TRANSITIONAL CURB (0" TO 6")
RE: DD/C800

PAVEMENT TRANSITION
RE: D/C800

DO NOT ENTER SIGNS

BENCHMARK
3" IRON PIN
N: 473605.781
E: 2610498.691
ELEV: 642.74

WHEELSTOPS
RE: T/C802

RETAINING WALL
RE: STRUCTURAL
41'

PROPOSED BUILDING ADDITION
23,105 SF
645.50 FFE
±24'-0" TOP OF PARAPET

RETAINING WALL
RE: STRUCTURAL

7-STEPS
RE: STRUCTURAL

4-STEPS
RE: STRUCTURAL

3' CONCRETE TRICKLE CHANNEL
RE: I/C800

TRASH ENCLOSURE AREA

(5) BOLLARDS SPACED AT 6' C/C
RE: G/C800

RETAINING WALL
RE: STRUCTURAL 13/S202
& C301 FOR PROFILE

EXISTING CONCRETE CHANNEL

NEW FIRE LANE

PAVEMENT TRANSITION
RE: D/C800

BENCHMARK
3" IRON PIN
N: 473380.442
E: 2610174.993
ELEV: 640.80

CITY OF OWASSO
REGULATORY FLOODPLAIN

EXISTING BUILDING
19,803 SF
641.50 FFE
±32'-0"TOP OF PARAPET

15' WATER LINE EASEMENT

RS-3 ZONING
RESIDENTIAL SINGLE FAMILY
PROPERTY LINE

BEFORE YOU DIG
KNOW WHAT'S BELOW
CALL OKIE

ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH CURRENT CITY OF OWASSO STANDARDS AND SPECIFICATIONS (INCLUDING O.D.O.T. 2019 EDITION)

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REGISTERED PROFESSIONAL ENGINEER — A. NICOLE WATTS — OKLAHOMA
3/26/2026

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oklahoma ca #1460
expires 6/30/2027

OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS
OWASSO, OK
2025
PROJECT

KEY PLAN

CITY SUBMITTAL	11.25.2025
CITY RESUBMITTAL	02.12.2026
⚠1 ADDENDUM #1	03.02.2026
⚠2 ADDENDUM #2	03.26.2026

REVISIONS

11.25.2025
ISSUE DATE

2440383.01 | PROJECT NO
LNJ | DRAWN BY
ANW | CHK'D BY

OVERALL SITE PLAN

SHEET TITLE

C400

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LEGEND

- HEAVEY DUTY ASPHALT PAVEMENT
  RE: A/C800
- CONCRETE PAVEMENT
  RE: BB/C800
- HEAVY DUTY CONCRETE PAVEMENT
  RE: MM/C801
- CONCRETE SIDEWALK
  RE: E/C800
- CONCRETE TRICKLE CHANNEL
  RE: I/C800
- GRAVEL PAVEMENT
  RE:B/C800
- REMOVE & REPLACE
  UTILITY REHABILITATION
  RE: N/C801

PROPERTY LINE

EXISTING BUILDING

BENCHMARK
5/8" IRON PIN
N: 473665.52
E: 2609796.271
ELEV: 643.96

PROPOSED BUILDING ADDITION

BENCHMARK
5/8" IRON PIN
N: 473605.781
E: 2610498.691
ELEV: 642.74

BENCHMARK
5/8" IRON PIN
N: 473380.442
E: 2610174.993
ELEV: 640.80

EXISTING BUILDING

PROPERTY LINE

N

30 0 15 30

1" = 30'

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3/26/2026

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2025

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1 ADDENDUM #2	03.26.2026

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ISSUE DATE

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PAVING PLAN

C401

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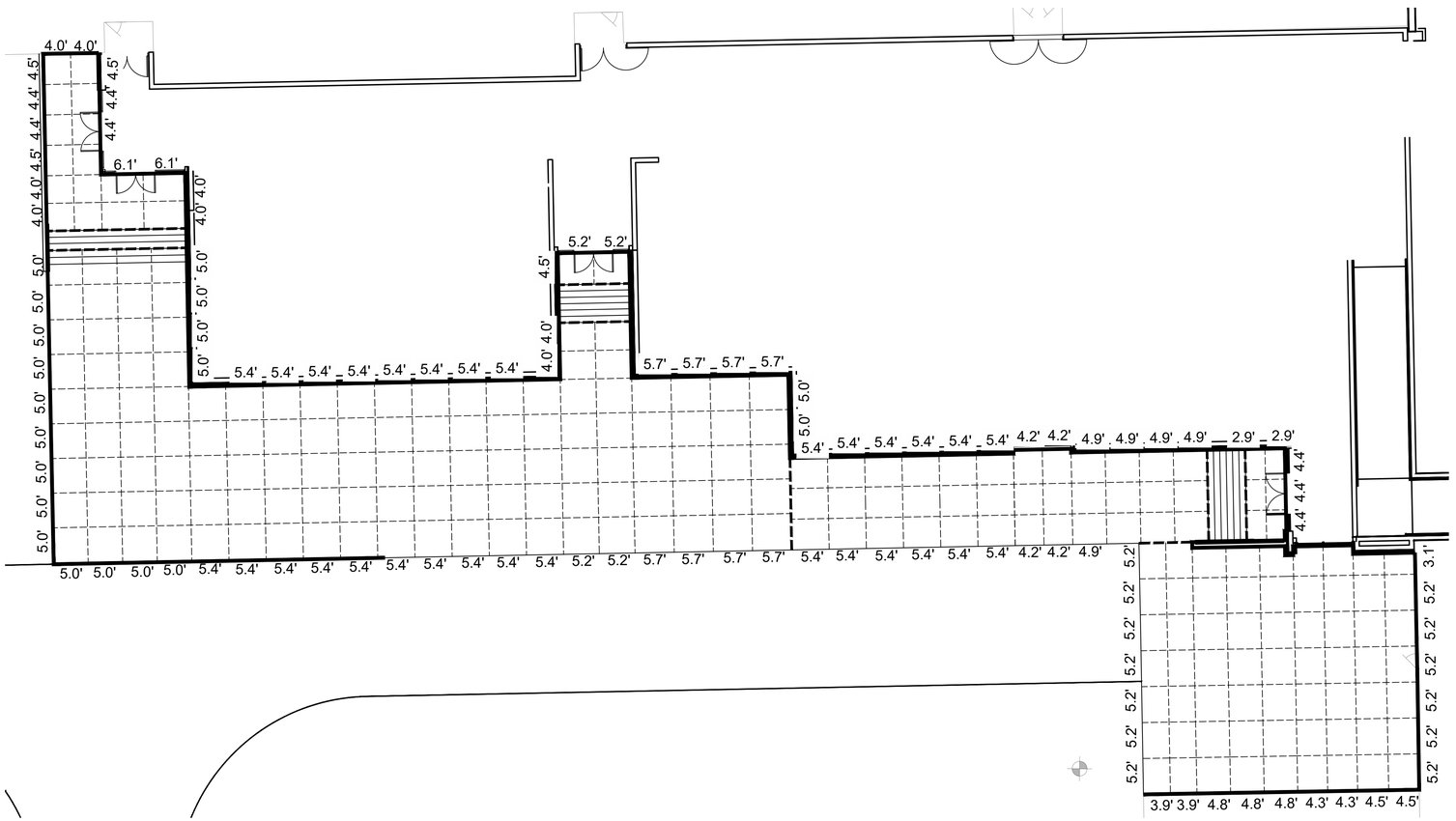
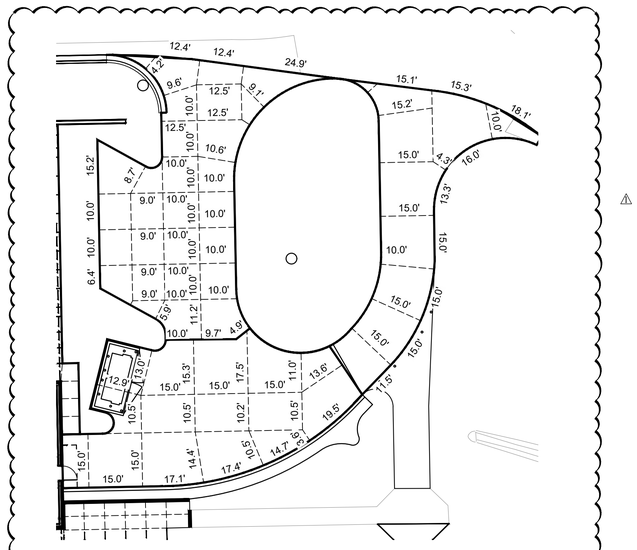


A South Entrance

Scale: 1" = 10'



B Proposed Parking Lot

Scale: 1" = 20'

⚠

Line Legend

- EXPANSION JOINT (C25/J)
- CONSTRUCTION JOINT (C25/K)
- CONTROL JOINT (C25/L)

- CURBS ARE SAWCUT IN 10' LENGTHS.
- SIDEWALK AND ALL PAVING TO RECEIVE A BROOM FINISH.

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JOINT LAYOUT PLAN 1

C402

SHEET TITLE

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CONTRACTOR NOTES:

* CONTRACTOR TO VERIFY ALL KNOWN AND UNKNOWN WATER METERS ASSOCIATED WITH THE EXISTING BUILDING, INCLUDING DOMESTIC AND FIRE LINES. ALL METERS SHALL BE PERMITTED THROUGH THE CITY OF OWASSO. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS.

ALL EXISTING WATERLINE SERVICE AND FIRE CONNECTIONS NEED TO BE VERIFIED PRIOR TO CONNECTION TO NEW 6" WATERLINE.

AT THE REQUEST OF THE FIRE CHIEF, THE EXISTING FDC LOCATED ON THE WEST FACE OF THE EXISTING SOUTH BUILDING IS TO BE REMOVED AND RELOCATED TO THE EAST SIDE FOR BETTER ACCESS. THIS CAN BE DONE BY COMBINING WITH THE NEW PROPOSED SYSTEM (IF THE SYSTEM ALLOWS FOR IT) OR BY REROUTING THE FDC TO THE EAST FACE OF THE EXISTING BUILDING. REFERENCE MEP FOR ADDITIONAL INFORMATION.

CONTRACTOR TO PROVIDE CONDUITS FOR ALL UTILITY CROSSING ALONG THE NEW 6" WATERLINE.

** WATER LINE EASEMENT TO BE DONE SEPARATELY AND COORDINATED WITH THE CITY.

PROPERTY LINE

NEW LOOPED 6" WATERLINE BY SEPARATE PERMIT & PLANS

CONNECT TO EXISTING 6" WATERLINE

EXISTING 6" WATERLINE

EXISTING FH

PROPOSED 15' WATER LINE EASEMENT

1" = 30'

EXISTING BUILDING 645.50

NEW LOOPED 6" WATERLINE (APPROX. 1605LF) BY SEPARATE PLANS AND PERMIT

BENCHMARK
3/4" IRON PIN
N: 473665.52
E: 2609796.271
ELEV: 643.96

30" NYLOPLAST DRAIN BASIN W/ SOLID LID & 3" CONCRETE COLLAR
644.03TR
639.35FL 15"

EXISTING STORM GRATE
643.54TG
640.44FL

EXISTING 10" CPP

EXISTING 6" CPP

6"x15"x6" TEE
640.41FL 6"
640.03FL 15"

6"x15"x6" TEE
640.10FL 6"
639.73FL 15"

97.19LF 15" CPP @ 0.78%

30" NYLOPLAST DRAIN BASIN W/ SOLID LID
643.50TR
639.35FL 12"
639.10FL 15"
638.85FL 18"

30" NYLOPLAST DRAIN BASIN W/ STD. GRATE & 3" CONCRETE COLLAR
641.95TR
638.65FL 18"

BENCHMARK
3/4" IRON PIN
N: 473605.781
E: 2610498.691
ELEV: 642.74

EXISTING STORM INLET
645.30TG
643.60FL

49.17LF OF 15" CPP @ 0.81% MIN.

30" NYLOPLAST DRAIN BASIN W/ STD. GRATE & 3" CONCRETE COLLAR
640.75TR
639.23FL 8"
638.23FL 18"

RD
641.00FL
RE: M/C801

40.76LF OF 18" CPP @ 0.50%

RD
640.75FL
RE: M/C801

36.25LF OF 6" HDPE @ 2.76% MIN.

EXISTING 3 - 42" CPP

24" NYLOPLAST DRAIN BASIN W/ SOLID LID & 3" CONCRETE COLLAR
645.00TR
640.25FL EX. 10"
640.25FL NEW 15"

6"x12"x6" TEE
640.00FL 12"
640.25FL 6"

135LF OF 6" WATERLINE EXTENSION

RD
641.75FL
RE: M/C801

NEW FH

FDC

53.24LF OF 18" CPP @ 0.79%

EXISTING 18" STORM

6"x6"x6" TEE
641.58FL 6"

70.50LF OF 6" HDPE @ 2.48% MIN.

155.35LF OF 3" DOMESTIC WATERLINE WITH 2" METER

155.35LF OF 6" FIRE LINE W/ SINGLE DETECTOR CHECK VALVE

30.11LF OF 12" HDPE @ 2.16% MIN.

RD
642.00FL
RE: M/C801

RD
642.00FL

3' CONCRETE TRICKLE CHANNEL
RE: I/C800

EXISTING CONCRETE CHANNEL

90.15LF OF 8" HDPE @ 3.07%

4" PERFORATED PIPE ALONG RETAINING WALL TO BE A MIN. 0.50% & CONNECT TO DRAIN BASIN

EXISTING 6" WATERLINE

EXISTING SSMH
644.91TR
640.51FL N
638.21FL S
640.36FL E

EXISTING 8" SANITARY SEWER LINE

** PROPOSED 15' WATER LINE EASEMENT

EXISTING 6" WATERLINE

EXISTING 8" SANITARY SEWER LINE

EXISTING SSMH
643.13TR
634.58FL N
634.53FL S

FOUNDATION DRAINS TO BE TIED IN INTERNALLY

UNDERGROUND COMMUNICATION LINES TO BE REROUTED INTERNALLY AND PICKED UP @ SAME LOCATION 5' OUTSIDE OF BUILDING

4" ACID WASTE SANITARY SEWER SERVICE LINE

NEW ACID WASTE TANK
640.33FL OUT (62" BFF)
RE: MEP

RD TO DAYLIGHT

ROOF DRAIN TO DISCHARGE AT GRADE

645.50F.F.

PROPOSED BUILDING ADDITION
645.50F.F.

PICK UP EXISTING 4" SANITARY SEWER SERVICE LINE
638.83FL

640.50FL
RE: M/C801

640.50FL
RE: M/C801

35.86LF OF 4" SANITARY SEWER SERVICE LINE @ 17.23%

634.15FL 8" EX.

CONNECT TO EXISTING 6" WATERLINE

ROOF DRAINS TO DISCHARGE AT GRADE

NEW GREASE INTERCEPTOR
640.33FL OUT (62" BFF)
RE: MEP

641.50F.F.

GAS RISER LOCATION

CITY OF OWASSO REGULATORY FLOODPLAIN

SANITARY SEWER CLEANOUT
RE: H/C800

59.68LF OF 4" SANITARY SEWER SERVICE LINE @ 2.00% MIN.

640.33FL (62" BFF)
4" OUT OF THE BUILDING

* EXISTING WATER METER (RECONNECT TO NEW 6" WATERLINE)

NEW GAS LINE TO MAIN (CONTRACTOR TO COORDINATE WITH ONG PRIOR TO TAPPING & METER LOCATION)

NEW FH

8.26LF OF 6" SANITARY SEWER SERVICE LINE @ 0.50%

633.75FL 8" EX.

4"x6"x6" TEE
634.09FL 6"

115.30LF OF 6" HDPE @ 1.30%

EXISTING BUILDING
641.50F.F

6"x6"x4" TEE
634.54FL 6"

60.03LF OF 6" SANITARY SEWER SERVICE LINE @ 0.50%

103.71LF OF 6" SANITARY SEWER SERVICE LINE @ 0.50%

EXISTING 8" SANITARY SEWER LINE

SANITARY SEWER CLEANOUT
RE: H/C800

135.35LF OF 6" HDPE @ 1.11%

EXISTING 3 - 48" CMP

DISCHARGE AT GRADE
3" CONCRETE COLLAR

DISCHARGE AT GRADE
3" CONCRETE COLLAR

EXISTING SSMH
638.77TR
633.32FL NW
635.17FL NE
633.27FL S

PROPERTY LINE

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3/26/2026

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OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK
2025
PROJECT

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⚠1 ADDENDUM #2	03.26.2026

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OVERALL UTILITY PLAN

C600
SHEET TITLE

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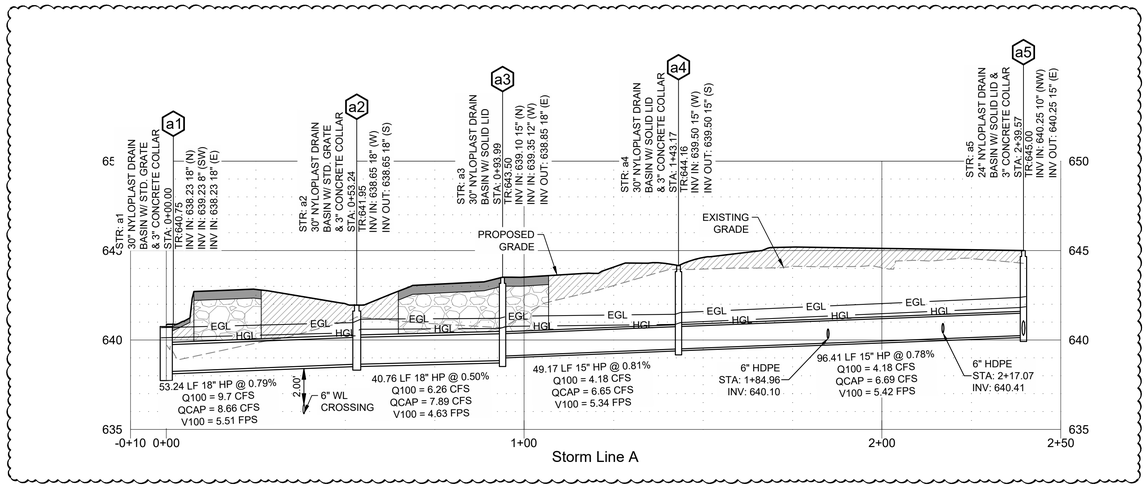
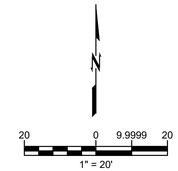


Storm Line A



LEGEND

- DOT TYPE "A" AGGREGATE BACKFILL COMPACTED TO 95% STANDARD PROCTOR DENSITY UNDER PAVED DRIVING SURFACE FULL DEPTH OF TRENCH (TYP)
- COMPACT ALL FILL TO 95% STANDARD PROCTOR DENSITY
- PAVEMENT REFER TO PAVING PLANS FOR TYPE
- EGL — ENERGY GRADE LINE
- HGL — HYDRAULIC GRADE LINE
- MATCH LINE

PROFILE SCALES:
HORZ: 1" = 20'
VERT: 1" = 4'

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OWASSO PUBLIC SCHOOLS

OWASSO, OK
2025

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STORM PROFILE

C601

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LEGEND

LAY OF A FIRE HOSE

FIRE LINE STRIPE - SHOW 'NO PARKING - FIRE LANE' MARKING. FIRE LANES SHALL BE MARKED BY PAINTING LINES OF RED TRAFFIC PAINT SIX INCHES (6") IN WIDTH TO SHOW THE BOUNDARIES OF THE LANE. THE WORDS 'NO PARKING FIRE LANE' SHALL APPEAR IN FOUR INCH (4") WHITE LETTERS AT TWENTY-FIVE FEET (25') INTERVALS ON THE RED BORDER MARKINGS ALONG BOTH SIDES OF THE FIRE LANES. CURBS SHALL BE PAINTED IN RED TRAFFIC PAINT FROM THE TOP SEAM OF THE CURB TO A POINT EVEN WITH THE DRIVING SURFACE AND LETTERED IN THE SAME MANNER AS THE FLAT STRIPING. IFC 503.3, 503.7.2.1,503.7.3.3, AND APPENDIX D.

OFD TURNING MOVEMENT FIRE TRUCK

CITY OF OWASSO
FIRE DEPARTMENT
11931 E 116 ST N, COLLINSVILLE, OK 74021

SUBMITTAL
THIS CHECK IS TO PROVIDE INFORMATION AND FOR GENERAL CONFORMANCE WITH THE CITY'S ADOPTED CODES, STANDARDS AND AHJ REQUIREMENTS. THE REVIEWER ASSUMED NO LIABILITY FOR THE DESIGN PRESENTED HEREIN.

- ☐ NO EXCEPTION TAKEN
- ☐ CORRECT AS NOTED
- ☐ CORRECT AS NOTED - RESUBMIT
- ☐ REJECTED - RESUBMIT

BY: _____

DATE: _____

NEW LOOPED 6" WATERLINE BY SEPARATE PERMIT & PLANS

EXISTING 6" WATERLINE

415LF

EXISTING FH

PROPOSED 15' WATER LINE EASEMENT

30 0 15 30
1" = 30'

300LF

NEW LOOPED 6" WATERLINE (APPROX. 1605LF) BY SEPARATE PLANS AND PERMIT

550LF BETWEEN FIRE HYDRANTS

** PROPOSED 15' WATER LINE EASEMENT

20'

R50'

R75'

R15'

430LF

R28'

135LF OF 6" WATERLINE EXTENSION

NEW FH

FDC

R30'

NEW FIRE LANE

70'

150'

200LF

400LF

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3/26/2026

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FIRE DEPARTMENT PLAN

C602

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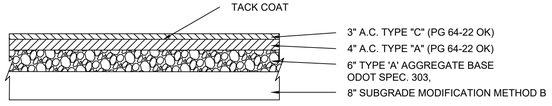
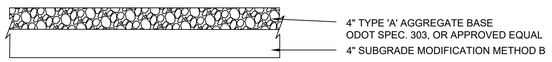


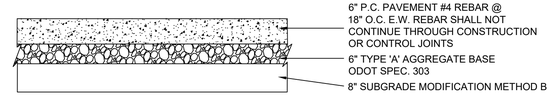
A Asphalt Pavement Typical

Scale: NONE



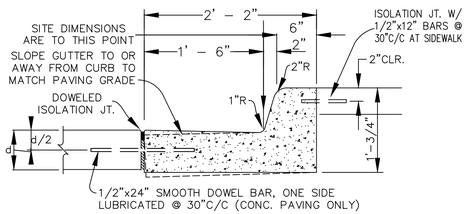
B Gravel Pavement

SCALE: NTS



BB Concrete Pavement

SCALE: NTS

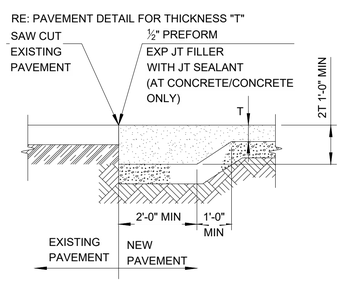


BARRIER TYPE

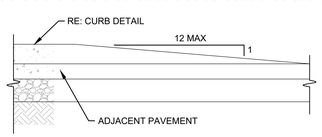
NOTE: SAWCUT CONTRACTION JOINTS AT 15 FT. MAX SPACING. CONSTRUCT DOWELED ISOLATION JOINTS AT ALL POINTS OF CURVE NOT TO EXCEED 90 FT. MAX. SPACING.

CONCRETE FOR CURB & GUTTER SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF 3500 PSI AND SHALL BE AIR-ENTRAINED AT SIX PERCENT (6%) ±1%.

C Integral Concrete Curb & Gutter

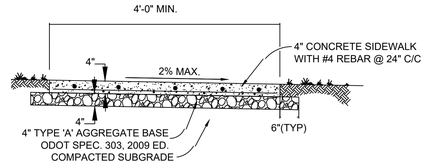


D Pavement Transition



DD Transitional Curb

Scale: NONE



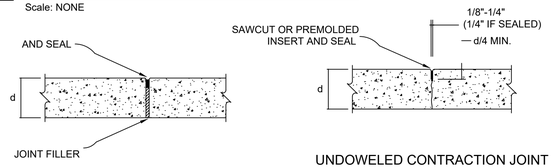
MAXIMUM SPACING FOR EXPANSION JOINTS SHALL BE 40 FEET.

CONCRETE FOR SIDEWALK SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF 3500 PSI AND SHALL BE AIR-ENTRAINED AT SIX PERCENT (6%) ±1%.

CONCRETE SIDEWALK THROUGH DRIVEWAY MUST BE MIN. 6" THICK

E Concrete Sidewalk Detail

Scale: NONE



PLAIN ISOLATION JOINT

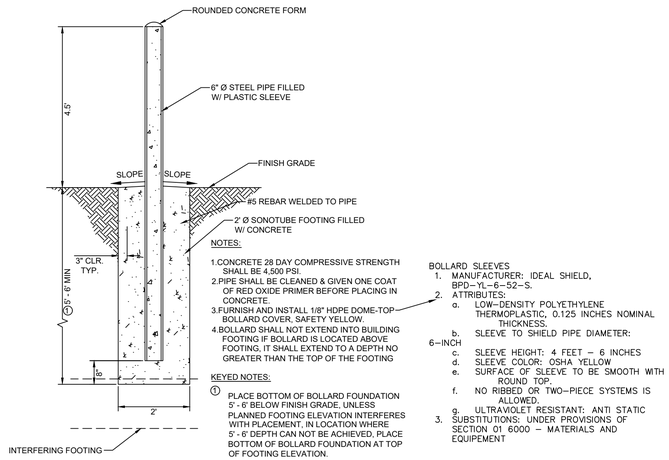
40' MAX. INTERVALS AND
ABUTTING RIGID STRUCTURE(S)

UNDOWELED CONTRACTION JOINT

5'-0' INTERVALS

F Sidewalk Joint Details

Scale: NONE



NOTES:

1. CONCRETE 28 DAY COMPRESSIVE STRENGTH SHALL BE 4,500 PSI.
2. PIPE SHALL BE CLEANED & GIVEN ONE COAT OF RED OXIDE PRIMER BEFORE PLACING IN CONCRETE.
3. FURNISH AND INSTALL 1/8" HDPE DOME-TOP BOLLARD COVER, SAFETY YELLOW.
4. BOLLARD SHALL NOT EXTEND INTO BUILDING FOOTING IF BOLLARD IS LOCATED ABOVE FOOTING, IT SHALL EXTEND TO A DEPTH NO GREATER THAN THE TOP OF THE FOOTING

KEYED NOTES:

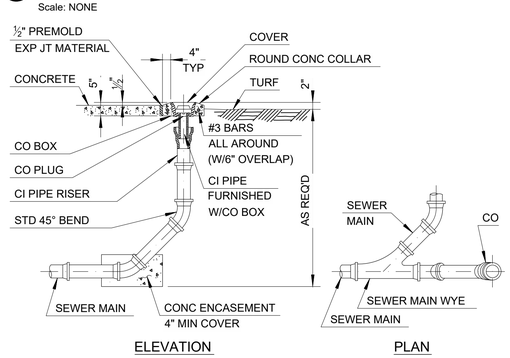
① PLACE BOTTOM OF BOLLARD FOUNDATION 5' - 6' BELOW FINISH GRADE, UNLESS PLANNED FOOTING ELEVATION INTERFERES WITH PLACEMENT, IN LOCATION WHERE 5' - 6' DEPTH CAN NOT BE ACHIEVED, PLACE BOTTOM OF BOLLARD FOUNDATION AT TOP OF FOOTING ELEVATION.

BOLLARD SLEEVES

1. MANUFACTURER: IDEAL SHIELD, BPD-YL-6-52-S.
2. ATTRIBUTES:
   a. LOW-DENSITY POLYETHYLENE THERMOPLASTIC, 0.125 INCHES NOMINAL THICKNESS.
   b. SLEEVE TO SHIELD PIPE DIAMETER: 6-INCH
   c. SLEEVE HEIGHT: 4 FEET - 6 INCHES
   d. SLEEVE COLOR: OSHA YELLOW
   e. SURFACE OF SLEEVE TO BE SMOOTH WITH ROUND TOP.
   f. NO RIBBED OR TWO-PIECE SYSTEMS IS ALLOWED.
   g. ULTRAVIOLET RESISTANT: ANTI STATIC
3. SUBSTITUTIONS: UNDER PROVISIONS OF SECTION 01 6000 - MATERIALS AND EQUIPEMENT

G Pipe Bollard Detail

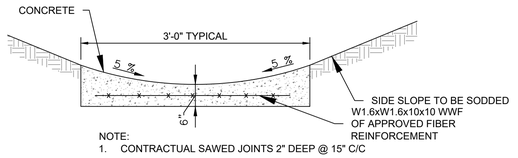
Scale: NONE



H Sanitary Sewer Clean-out

Scale: NONE

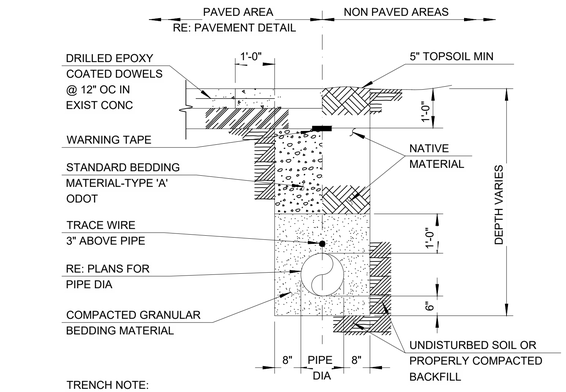
NOTE:
SANITARY SEWER CLEANOUTS SHALL BE PROVIDED FOR DRAINAGE PIPING IN ACCORDANCE WITH 2018 INTERNATIONAL PLUMBING CODE (IPC) SECTIONS 708.1.1 THROUGH 708.1.11.



NOTE:
1. CONTRACTUAL SAWED JOINTS 2" DEEP @ 15" C/C

I Concrete Trickle Channel

Scale: NONE

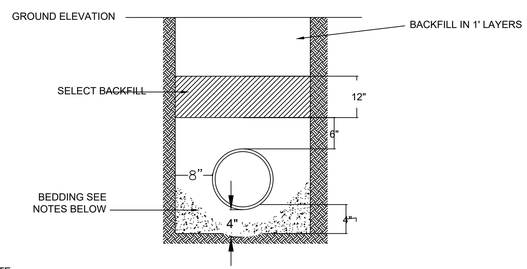


TRENCH NOTE:
BRACING AND SHEATHING OR OTHER TRENCH PROTECTION TO BE PROVIDED TO MEET APPLICABLE STATE AND OSHA SAFETY STANDARDS. ALL SUCH TRENCH PROTECTION TO BE RESPONSIBILITY OF THE CONTRACTOR.

BEDDING NOTE:
UNDER PAVING ODOT TYPE "A" AGGREGATE BASE MUST BE TO THE TOP OF THE TRENCH. ODOT TYPE "A" AGGREGATE BASE TO BE COMPACTED TO 95% STANDARD PROCTOR.

J Pipe Trench - All Pipes Except Storm Sewer

Scale: NONE



NOTE:
1. BEDDING SHALL BE SAND, COMPACTED TO 95% STANDARD PROCTOR DENSITY BY MAPING AND VIBRATING. COMPACTION SHALL BE FIELD TESTED BY INDEPENDENT LABORATORY TO INSURE 95% PROCTOR DENSITY. CONTRACTOR SHALL BEAR ALL COST OF TESTING.
2. AS AN ALTERNATIVE, BEDDING MAY BE A CLEAN CRUSHED STONE, ½" TO ½", (GRAD. #7). THE CRUSHED STONE SHALL BE PLACED IN HORIZONTAL LAYERS NOT TO EXCEED 12 INCHES IN THICKNESS, AND THEN COMPACTED. COMPACTION PROCEDURE AND RESULTS SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER.
3. FOR THE PAVED AREAS, SEE STANDARD DETAIL FOR PAVEMENT REMOVAL AND REPLACEMENT.
4. COMPACTION CHALL BE 95% STANDARD PROCTOR DENSITY PER AASHTO T-99 IN 8" LIFTS.

K Pipe Bedding for Storm Sewer

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REGISTERED PROFESSIONAL ENGINEER
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OKLAHOMA
3/26/2026

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expires 6/30/2027

OWASSO
8th GRADE
ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK
2025
PROJECT

KEY PLAN

CITY SUBMITTAL	11.25.2025
CITY RESUBMITTAL	02.12.2026
⚠1 ADDENDUM #2	03.26.2026

REVISIONS

11.25.2025
ISSUE DATE

2440183.01	PROJECT NO
LSJ	DRAWN BY
AWB	CHK'D BY

DETAIL SHEET 1

C800
SHEET TITLE

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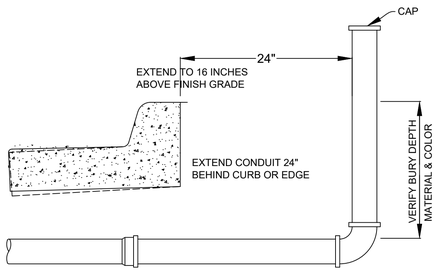
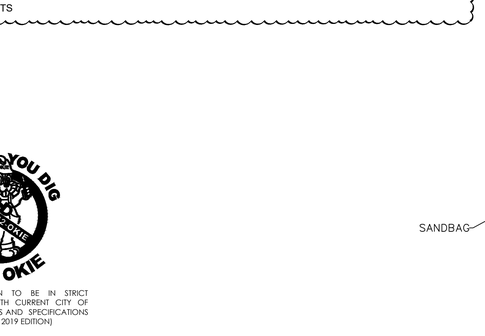


ELECTRICAL CONDUIT FOR PSO TO BE 4" GRAY SCHEDULE 40 PVC.
TELEPHONE CONDUIT FOR SWB TO BE 4" WHITE SDR 35 PVC.
CABLE TELEVISION CONDUIT FOR TCI TO BE 4" WHITE SDR 35 PVC.

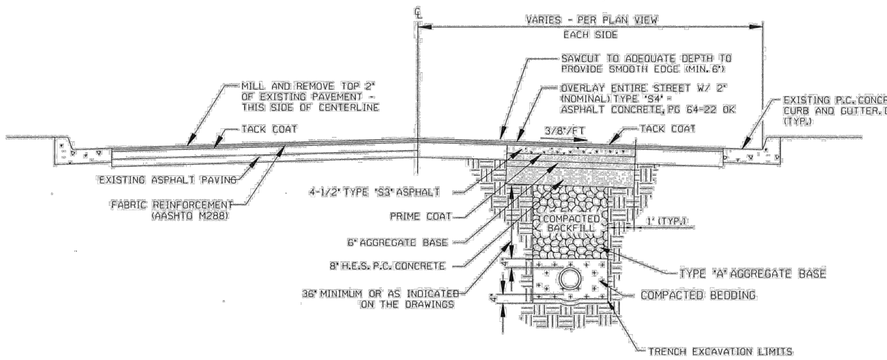
L Conduit Under Paving Detail

Scale: NONE

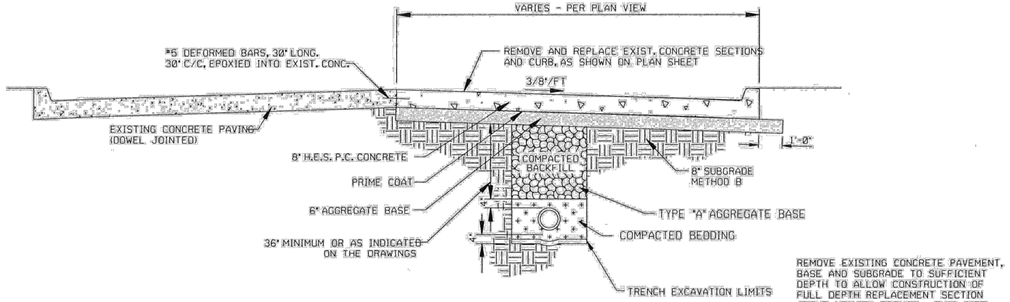


M Downspout Adapter Detail

Scale: NONE



TYPICAL SECTION
ASPHALT PAVEMENT REMOVAL
AND REPLACEMENT W/ OVERLAY



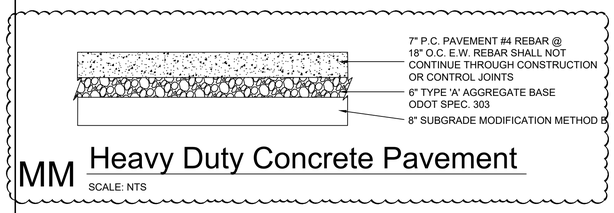
TYPICAL SECTION
CONCRETE PAVEMENT REMOVAL
AND REPLACEMENT W/ CURBED AREAS

REMOVE EXISTING CONCRETE PAVEMENT, BASE AND SUBGRADE TO SUFFICIENT DEPTH TO ALLOW CONSTRUCTION OF FULL DEPTH REPLACEMENT SECTION ABOVE UTILITY TRENCH = THIS SIDE OF CENTERLINE

NOTE:
1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

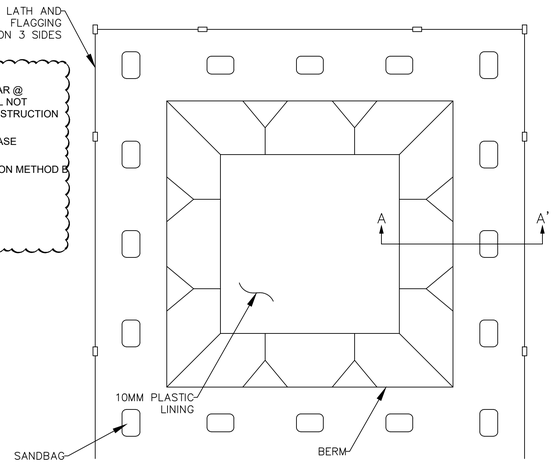
N Remove & Replace Utility Rehabilitation

Scale: NONE

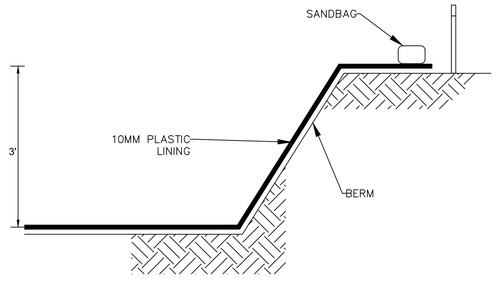


MM Heavy Duty Concrete Pavement

SCALE: NTS



PLAN

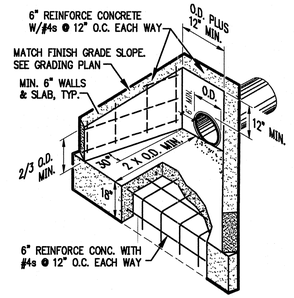


SECTION A-A'

O Concrete Washout

Scale: NONE

1. PROVIDE 3/4" CHAMFER ON ALL EXPOSED EDGES UNLESS ADJACENT TO SIDEWALKS OR OTHER CONCRETE SURFACES.
2. BASE AND INLET WALLS TO BE POURED MONOLITHICALLY.
3. PIPES MAY ENTER BOX FROM ANY ANGLE OR ELEVATION APPROVED BY THE ENGINEER.
4. ALL #4 & #5 REINFORCING BARS TO BE GRADE 60 AND HAVE 1-1/2" MINIMUM COVER. >#5, 2" COVER.
5. CONCRETE SHALL BE CLASS B, 3500#, 4%-7% A.E.
6. CONTRACTOR SHALL PROVIDE APPROVED PEDESTRIAN SAFETY RAILS AND VEHICULAR GUARD RAILS WHERE NECESSARY OR REQUIRED BY LOCAL, STATE AND FEDERAL CODES.



P Headwall

Scale: NONE

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ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH CURRENT CITY OF OWASSO STANDARDS AND SPECIFICATIONS (INCLUDING O.D.O.T. 2019 EDITION)

PAVING NOTES

1. ALL MATERIALS AND CONSTRUCTION, EXCEPT AS NOTED, SHALL BE IN STRICT ACCORDANCE WITH THE 2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND SUPPLEMENTS THERETO. SUPPLEMENTS TO THE STANDARD SPECIFICATIONS GOVERN OVER THE STANDARD SPECIFICATIONS.
2. CONTRACTOR SHALL CLEAN ASPHALT PAVEMENT SURFACE AND REMOVE LOOSE MATERIAL PRIOR TO APPLYING THE TACK COAT. TACK COAT SHALL BE IN ACCORDANCE WITH SECTION 407 OF THE STANDARD SPECIFICATIONS.
3. UPON REQUEST, A ONE QUART TACK COAT SAMPLE FROM THE CONTRACTOR'S TACK COAT TRUCK SHALL BE DELIVERED BY THE CONTRACTOR TO THE INSPECTOR 24 HOURS PRIOR TO APPLICATION. OIL CONTENT MUST BE 23% OR GREATER.
4. MINIMUM TACK APPLICATION RATE IS 0.1 GAL./SQ. YD. EQUIPMENT HEATER, AGITATOR AND SPRAY BAR SHALL BE OPERABLE. CONTRACTOR SHALL BROOM OFF EXCESS TACK. TACK SHALL BE COMPLETELY CURED BEFORE LAYING ASPHALT.
5. ASPHALT TEMPERATURE SHALL NOT EXCEED 350 33/64 F OR MAXIMUM DESIGN TEMPERATURE AT PLANT DISCHARGE.
6. AMBIENT TEMPERATURE AT LAYDOWN SHALL BE IN ACCORDANCE WITH SPECIFICATION NO. 411.04(F). SURFACE MUST BE DRY.
7. ASPHALT TEMPERATURE AT LAYDOWN SHALL BE A MAXIMUM OF 325 33/64 F AND A MINIMUM OF 285 33/64 F.
8. PAVING OPERATION SHALL BE CONTINUOUS WITH A STEADY FLOW OF TRUCKS.
9. CONTRACTOR SHALL ESTABLISH ROLLING PATTERN BY TRACKING DENSITIES WITH A NUCLEAR GAUGE. CONTRACTOR SHALL VERIFY PATTERN WITH TESTING LABORATORY. EXTRACTION/ GRADATION SAMPLES SHALL BE TAKEN DAILY.
10. CONTRACTOR SHALL FURNISH, WITH QUALIFIED OPERATORS, A BREAKDOWN ROLLER (STEEL), A PNEUMATIC ROLLER (RUBBER TIRE) AND A FINISH ROLLER (STEEL). ROLLER SPRAY SYSTEMS SHALL BE OPERABLE AT ALL TIMES DURING THE PERFORMANCE OF THE WORK.
11. CONTRACTOR SHALL ROLL OUT AND COMPACT ASPHALT MATERIAL ABOVE 180 33/64 F ASPHALT TEMPERATURE.
12. CONTRACTOR SHALL TAKE THREE (3) CORINGS FOR EACH DAYS PRODUCTION OR EVERY 500 TONS. LOCATIONS TO BE DESIGNATED BY THE ENGINEER.
13. CONTRACTOR SHALL APPLY A TACK COAT TO THE FACE OF THE GUTTER PRIOR TO PLACEMENT OF PAVING.
14. WHERE NEW PAVEMENTS ARE TO BE CONSTRUCTED, THE EXISTING ASPHALT CONCRETE, CONCRETE, ANY UNDERLYING GRANULAR BASE, ANY SURFACE VEGETATION AND TOPSOIL SHALL BE REMOVED FULL-DEPTH. AFTER REMOVING THE SURFACE MATERIALS AND COMPLETING ANY REQUIRED CUTS, THE EXPOSED SUBGRADE SHALL BE PROOFROLLED, UNDER THE OBSERVATION OF THE ENGINEER, ACCORDING TO THE REQUIREMENTS OF SECTION 203 OF THE ODOT SPECIFICATIONS.
15. ANY SOFT OR UNSTABLE SOILS IDENTIFIED DURING THE PROOFROLLING PROCEDURE SHALL BE OVEREXCAVATED FULL-DEPTH AND REPLACED WITH APPROVED ENGINEERED FILL, IF THEY CANNOT BE STABILIZED IN PLACE.
16. EXPOSED SUBGRADE MUST BE COMPACTED TO NO LESS THAN 95% OF THE MATERIAL'S MAXIMUM LABORATORY DRY DENSITY DETERMINED IN ACCORDANCE WITH ASTM D-698 (AASHTO T-99). THE RECOMMENDED MOISTURE CONTENT SHALL BE MAINTAINED IN THE COMPACTED SUBGRADE AND FILLS UNTIL FILLS ARE COMPLETE AND PAVEMENTS CONSTRUCTED.
17. FOR FLOWABLE FILL BEDDING AND BACKFILL ALTERNATIVES REFER TO STD 730 AND 731.
18. SAW CUTS SHALL BE FULL DEPTH OF THE PAVEMENT.

BEDDING AND BACKFILL NOTES

1. BEDDING AND BACKFILL SHALL BE TYPE "A" CRUSHED STONE (1-1/2" CRUSHER RUN)
2. BEDDING MATERIAL WITHIN 4 IN. OF PIPE SHALL BE COMPACTED 3/4" TO NO. 4 CRUSHED STONE (GRAD "67). SHOVE SLICE BEDDING BENEATH THE PIPE HAUNCHES.
3. PLACE BACKFILL IN HORIZONTAL LAYERS NOT TO EXCEED 8" LOOSE THICKNESS. COMPACT WITH MECHANICAL TAMPER TO NO LESS THAN 95% STANDARD PROCTOR DENSITY AS MEASURED BY NUCLEAR DENSITY METHOD.

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expires 6/30/2027

OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK 2025

PROJECT

KEY PLAN

CITY SUBMITTAL	11.25.2025
CITY RESUBMITTAL	02.12.2026
⚠1 ADDENDUM #2	03.26.2026

REVISIONS

11.25.2025

ISSUE DATE

2440183.01 | PROJECT NO
LSJ | DRAWN BY
AWN | CHK'D BY

DETAIL SHEET 2

C801

SHEET TITLE

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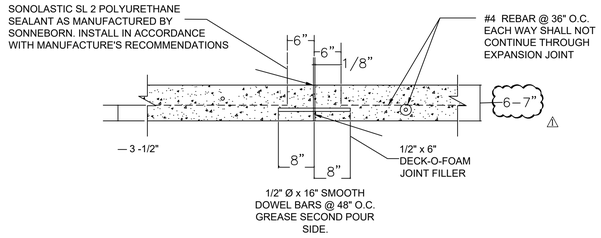
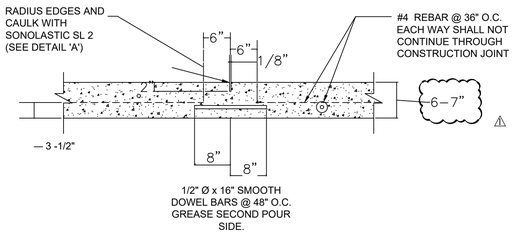


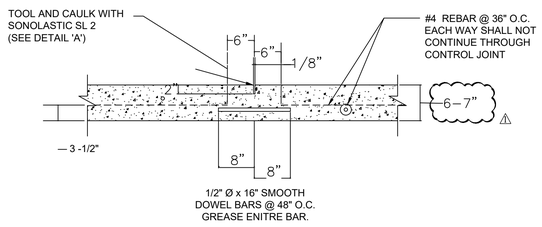
Q Concrete Expansion Joint - Detail "A"

Scale: NONE



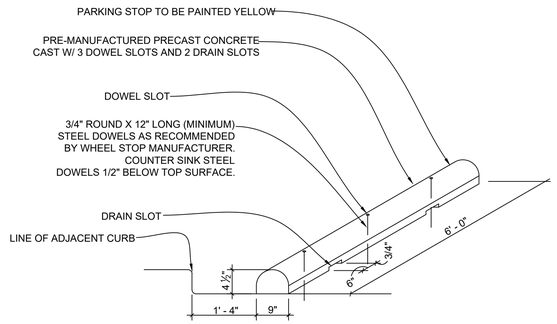
R Concrete Construction Joint - Detail "B"

Scale: NONE



S Concrete Control Joint - Detail "C"

Scale: NONE



T Wheel Stop

Scale: NONE

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expires 6/30/2027

OWASSO
8th GRADE
ADDITION

PROJECT

OWASSO PUBLIC SCHOOLS
OWASSO, OK
2025

KEY PLAN

CITY SUBMITTAL	11.25.2025
CITY RESUBMITTAL	02.12.2026
⚠1 ADDENDUM #2	03.26.2026

REVISIONS

11.25.2025
ISSUE DATE

2440.0.0.0 | PROJECT NO.
AWW | DRAWN BY
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DETAIL SHEET 3

C802
SHEET TITLE

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*ADDITIONAL NOTES:

1. CONTRACTOR TO VERIFY ALL KNOWN AND UNKNOWN WATER METERS ASSOCIATED WITH THE EXISTING BUILDING, INCLUDING DOMESTIC AND FIRE LINES. ALL METERS SHALL BE PERMITTED THROUGH THE CITY OF OWASSO. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS
2. ALL EXISTING WATERLINE SERVICE AND FIRE CONNECTIONS NEED TO BE VERIFIED PRIOR TO CONNECTION TO NEW 6" WATERLINE.
3. EXISTING WATERLINE TO BE POTHOLED AND VERIFIED PRIOR TO EASEMENT PREPARATION
4. ALL EASEMENTS FOR EXISTING AND PROPOSED WATERLINE MUST BE FILED AND PROVIDED TO THE CITY PRIOR TO THE CITY PERMITTING THE USE OF THE WATERLINE SYSTEM.
5. CONTRACTOR TO INSTALL ISOLATION VALVE (PUBLIC) & BACKFLOW PREVENTION (PRIVATE) AT CONNECTION POINT OF FIRE LINE TO THE WATERMAIN.
6. DOMESTIC SERVICE LINE TO BE SEPARATE CONNECTION TO WATERMAIN FROM THE FIRE LINE. ANY SERVICE OR FIRE LINE ADJUSTMENTS WILL BE PERFORMED BY THE SCHOOL'S CONTRACTOR.
7. ALL WATER METERS (EXISTING AND PROPOSED) WILL BE RESET IN THE UTILITY EASEMENT. IF EXISTING METER SIZE IS ABOVE 2 INCHES, THEN IT MUST BE CONTAINED WITHIN A METER VAULT DESIGNED AND CONSTRUCTED BY SCHOOL'S CONTRACTOR AND ENGINEER.

EXISTING 6" WATERLINE*

EXISTING 6" WATERLINE*

EXISTING FH

EXISTING FH (NOT OPERATIONAL)

EXISTING 8" WATERLINE*

EXISTING BUILDING

15.00' WATER LINE EASEMENT

EXISTING 8" WATERLINE*

STA. 0+00.00
CONNECT TO EXISTING 6" WATERLINE
1 - 8"x6"x8" TEE (MJxMJxFLG)
1 - 6" GATE VALVE (MJxFLG)
1 - VALVE BOX
N: 473412.3868; E: 2609804.3470

PROPOSED 15.00' WATER LINE EASEMENT

STA. 2+73.06
1 - 6" 45° HORIZONTAL BEND (MJxMJ)
N: 473417.6775; E: 2610077.3579

STA. 2+96.75
1 - 6" 45° HORIZONTAL BEND (MJxMJ)
N: 473401.3531; E: 2610094.5246

STA. 3+71.00
1 - 6" 45° HORIZONTAL BEND (MJxMJ)
N: 473402.7992; E: 2610168.7625

STA. 3+78.07
1 - 6" 45° HORIZONTAL BEND (MJxMJ)
N: 473397.8875; E: 2610173.8493

STA. 3+81.17
1 - 6"x6"x6" TEE FOR EXISTING SERVICE CONNECTION

STA. 3+88.05
1 - 3WAY FIRE HYDRANT
1 - 6"X6"X6" TEE (MJxMJxFJ)
1 - 6" GATE VALVE (MJxMJ)
1 - VALVE BOX

EXISTING FDC (FDC TO BE REMOVED AND JOINED TO NEW ADDITIONS FIRE SUPPRESSION SYSTEM OR MOVED TO EAST SIDE OF BUILDING)

STA. 4+65.62
1 - 6" 45° VERTICAL BEND (MJxMJ)
N: 473310.3524; E: 2610175.3823

STA. 4+61.33
1 - 6" 45° VERTICAL BEND (MJxMJ)
N: 473314.6412; E: 2610175.3083

STA. 4+70.99
1 - 6" 45° HORIZONTAL BEND (MJxMJ)
N: 473304.9845; E: 2610175.4755

STA. 4+90.54
1 - 6" 45° VERTICAL BEND (MJxMJ)
N: 473300.3397; E: 2610193.0488

STA. 4+78.04
1 - 6" 45° HORIZONTAL BEND (MJxMJ)
N: 473300.0954; E: 2610180.5522

STA. 4+86.40
1 - 6" 45° VERTICAL BEND (MJxMJ)
N: 473300.2560; E: 2610188.9101

STA. 6+15.51
1 - 6" 45° HORIZONTAL BEND (MJxMJ)
N: 473302.8655; E: 2610317.9895

STA. 6+36.15
1 - 6" 45° HORIZONTAL BEND (MJxMJ)
N: 473288.5430; E: 2610332.8617

STA. 7+55.10
1 - 6" 45° HORIZONTAL BEND (MJxMJ)
N: 473320.4838; E: 2610424.4753

STA. 7+29.95
1 - 6" 45° HORIZONTAL BEND (MJxMJ)
N: 473295.3315; E: 2610424.9822

STA. 7+21.35
1 - 6" 45° HORIZONTAL BEND (MJxMJ)
N: 473290.2598; E: 2610418.0411

STA. 15+56.86
CONNECT TO EXISTING 6" WATERLINE
1 - 6"x6"x6" TEE (MJxMJxFLG)
1 - 6" GATE VALVE (MJxFLG)
1 - VALVE BOX
N: 473897.8988; E: 2610271.0391

STA. 13+73.27
1 - 6" 45° HORIZONTAL BEND (MJxMJ)
N: 473900.5078; E: 2610454.6112

STA. 13+41.47
1 - 6" 45° HORIZONTAL BEND (MJxMJ)
N: 473878.7619; E: 2610477.8187

STA. 12+32.90
1 - 3WAY FIRE HYDRANT
1 - 6"x6"x6" TEE (MJxMJxFJ)
1 - 6" GATE VALVE (MJxMJ)
1 - VALVE BOX
N: 473770.2505; E: 2610481.3470

STA:10+55.22
N: 473592.6652
E: 2610487.1212

75LF OF 18" PVC SLEEVE UNDER ROAD
RESTRAIN ALL JOINTS WITHIN SLEEVE

STA:9+80.22
N: 473517.7048
E: 2610489.5586

STA. 9+62.08
1 - 6" 11.25° VERTICAL BEND (MJxMJ)
N: 473499.5770; E: 2610490.1480

STA. 9+49.71
1 - 3WAY FIRE HYDRANT
1 - 6"x6"x6" TEE (MJxMJxFJ)
1 - 6" GATE VALVE (MJxMJ)
1 - VALVE BOX
W/ 133LF EXTENSION
N: 473487.2065; E: 2610490.5502

STA. 9+41.71
1 - 6" 22.5° VERTICAL BEND (MJxMJ)
N: 473479.2149; E: 2610490.8101

STA. 9+21.69
1 - 6" 22.5° VERTICAL BEND (MJxMJ)
N: 473459.2012; E: 2610491.4608

STA. 9+01.17
1 - 6" 22.5° BEND (VERTICAL)
N: 473438.6960; E: 2610492.1276

STA. 8+88.04
1 - 6"x6"x3" TEE
3" WATER SERVCE LINE CONNECTION
N: 473425.5708; E: 2610492.5543

STA. 8+86.04
1 - 6"x6"x6" TEE
6" FIRE LINE CONNECTION
N: 473423.5717; E: 2610492.6193

STA. 8+54.93
1 - 6" HORIZONTAL BEND (MJxMJ)
N: 473392.4836; E: 2610493.6302

NEW FH

FDC

30 0 15 30
1" = 30'

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REGISTERED PROFESSIONAL ENGINEER A. NICOLE WATTS 28017 OKLAHOMA
03/26/2026

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OWASSO 8th GRADE ADDITION

WATERLINE PLANS

OWASSO PUBLIC SCHOOLS

OWASSO, OK 2025

PROJECT

KEY PLAN

CITY SUBMITTAL	11.25.2025
CITY RESUBMITTAL	02.12.2026
⚠ ADDENDUM #2	03.26.2026

REVISIONS

11.25.2025

ISSUE DATE

2440383.01 | PROJECT NO
LSJ | DRAWN BY
ANW | CHK'D BY

OVERALL WATERLINE PLAN

W104

SHEET TITLE

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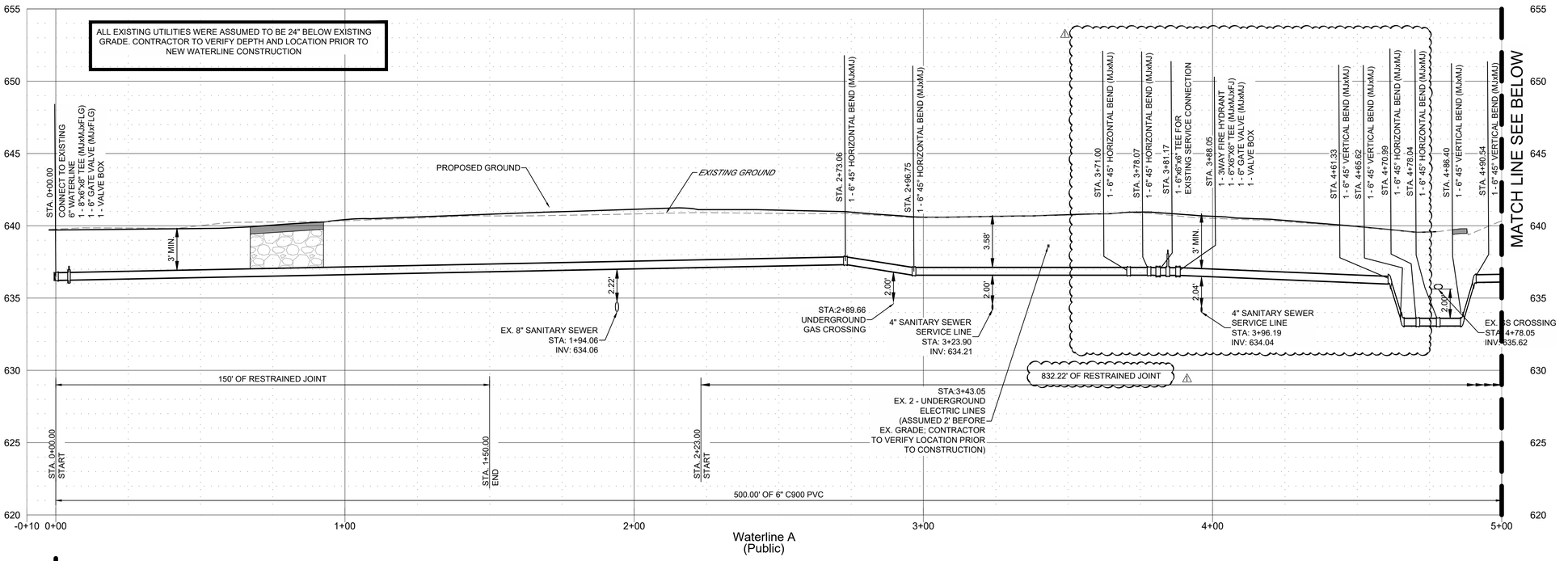

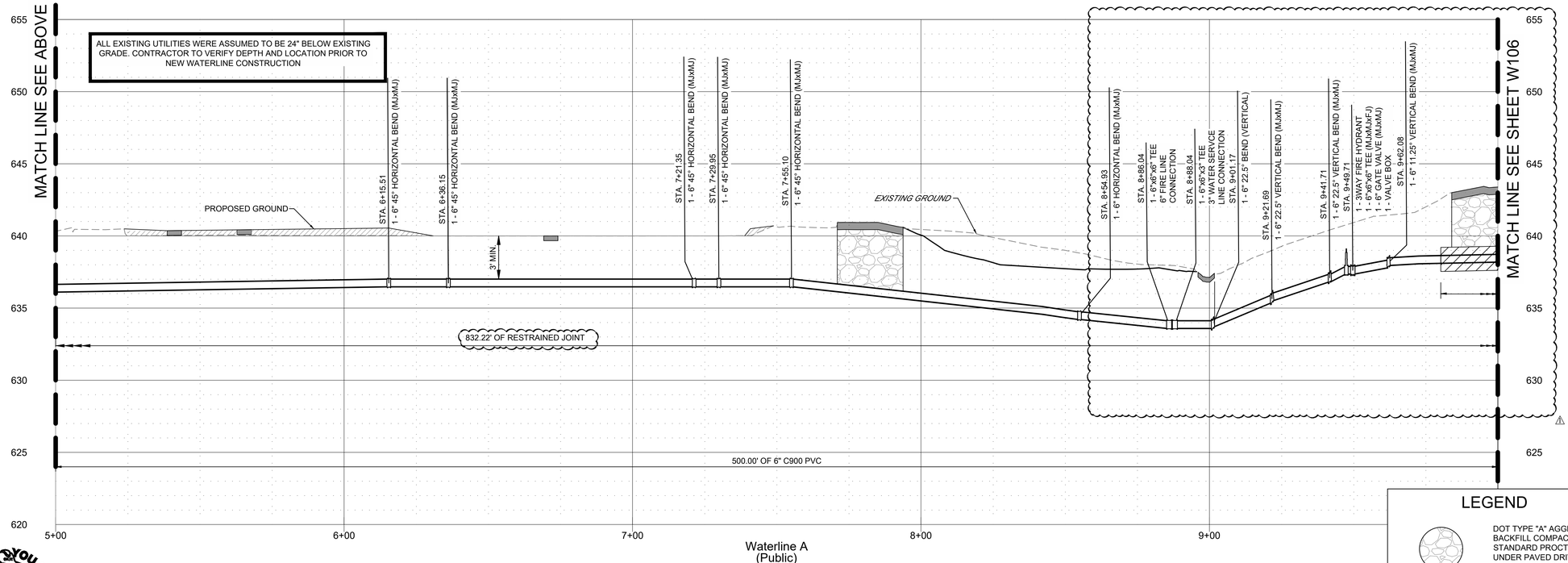

PROFILE SCALES:
HORZ: 1" = 20'
VERT: 1" = 4'

LEGEND

- DOT TYPE "A" AGGREGATE BACKFILL COMPACTED TO 95% STANDARD PROCTOR DENSITY UNDER PAVED DRIVING SURFACE FULL DEPTH OF TRENCH (TYP)
- COMPACT ALL FILL TO 95% STANDARD PROCTOR DENSITY PRIOR TO PLACING UTILITIES
- PAVEMENT REFER TO PAVING PLANS FOR TYPE

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A. NICOLE WATTS
21031
OKLAHOMA
03/26/2026

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OWASSO 8th GRADE ADDITION

WATERLINE PLANS

OWASSO PUBLIC SCHOOLS

OWASSO, OK
2025
PROJECT

KEY PLAN

CITY SUBMITTAL	11.25.2025
1 CITY RESUBMITTAL	02.12.2026
1 ADDENDUM #2	03.26.2026

REVISIONS

11.25.2025
ISSUE DATE

2440183.01 | PROJECT NO
LSJ | DRAWN BY
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WATERLINE A
PROFILE 1

W105

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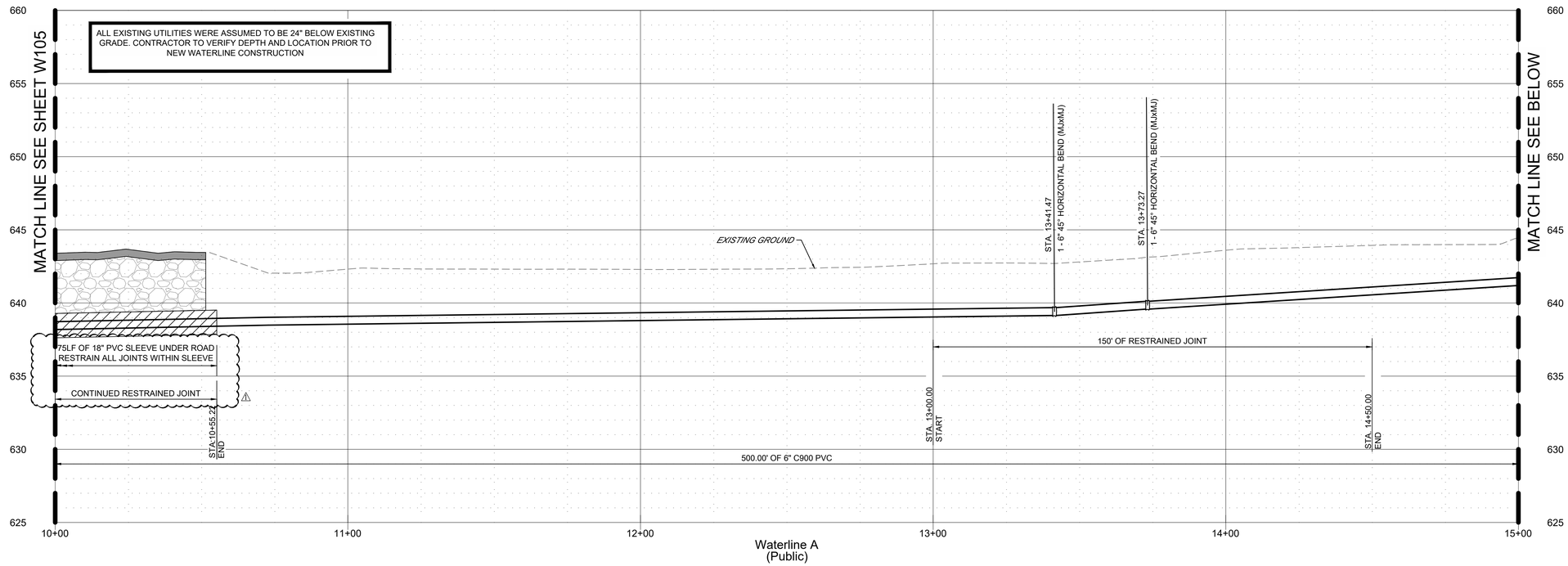

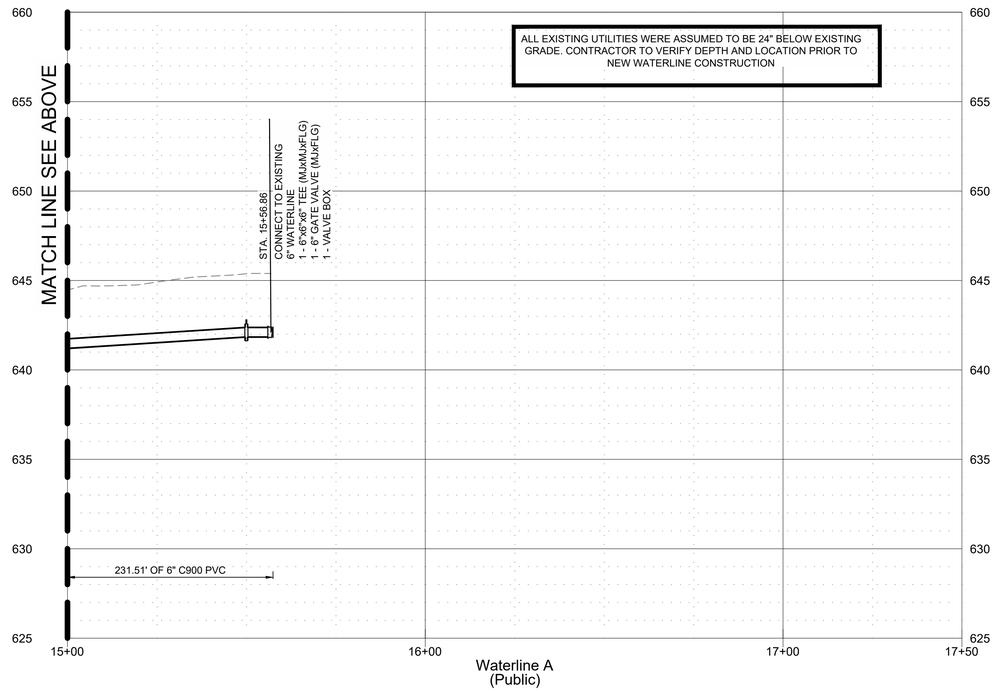

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PROFILE SCALES:
HORZ: 1" = 20'
VERT: 1" = 4'

LEGEND

- DOT TYPE "A" AGGREGATE BACKFILL COMPACTED TO 95% STANDARD PROCTOR DENSITY UNDER PAVED DRIVING SURFACE FULL DEPTH OF TRENCH (TYP)
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- PAVEMENT REFER TO PAVING PLANS FOR TYPE

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OWASSO 8th GRADE ADDITION

WATERLINE PLANS

OWASSO PUBLIC SCHOOLS

OWASSO, OK
2025
PROJECT

KEY PLAN

CITY SUBMITTAL	11.25.2025
CITY RESUBMITTAL	02.12.2026
⚠1 ADDENDUM #2	03.26.2026

REVISIONS

11.25.2025
ISSUE DATE

2440381.01 | PROJECT NO
LSJ | DRAWN BY
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WATERLINE A
PROFILE 2

W106
SHEET TITLE

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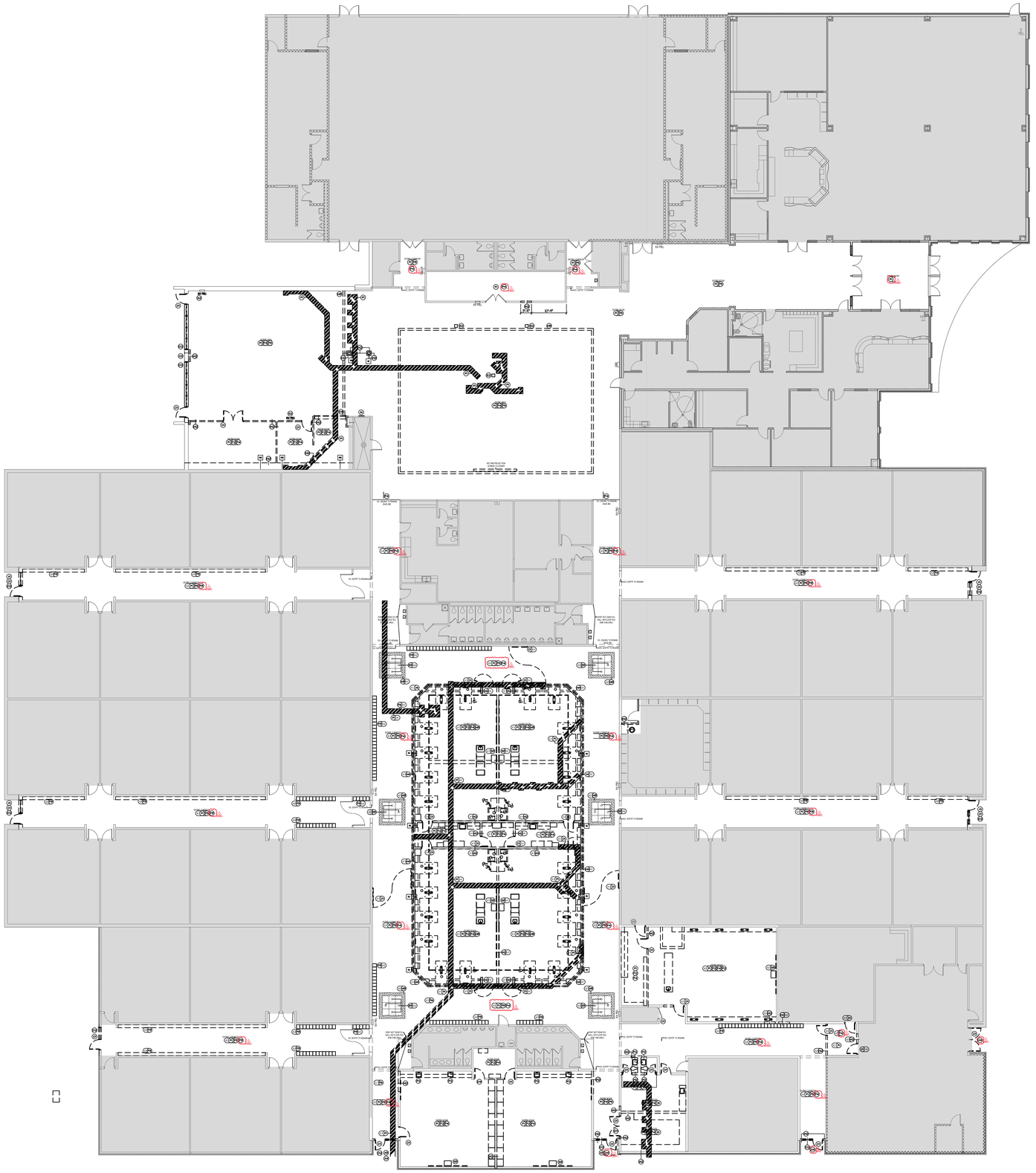

DEMOLITION GENERAL NOTES:

1. COORDINATE WITH THE OWNER ANY PRE-APPROVED DISRUPTION AND VERIFICATION OF SERVICE WITHIN THE EXISTING BUILDING SO AS TO MINIMIZE THE DISRUPTION OF SERVICE.
2. COORDINATE ALL DEMOLITION/ PHASING EFFORTS WITH THE ARCHITECT-ENGINEER AND OWNERS AND OWNERS REPRESENTATIVES. EVERY EFFORT SHALL BE MADE TO MINIMIZE DISRUPTION OF SCHOOL OPERATION AND TO PROVIDE PATRON, FACILITY, AND STUDENT SAFETY. EXCESSIVE NOISE OR VIBRATION SHALL BE PRE-APPROVED AND COORDINATED WITH THE OWNER.
3. VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ARCHITECT/ ENGINEER OF ANY DISCREPANCIES.
4. REMOVE ALL DEMOLITION MATERIALS FROM THE SITE UNLESS NOTED OTHERWISE. THE OWNER SHALL RESERVE THE RIGHT TO SALVAGE ANY MATERIALS.
5. PROVIDE PROTECTION FOR ALL EXISTING BUILDING MATERIALS AND EQUIPMENT FROM DAMAGE DUE TO ANY DEMOLITION OR CONSTRUCTION RELATED ACTIVITY PERFORMED UNDER THIS CONTRACT.
6. REPAIR OR REPLACE ANY WALLS, FLOORS, OR EQUIPMENT DAMAGED AS A RESULT OF DEMOLITION OR CONSTRUCTION TO MATCH EXISTING FINISH AND/OR CONDITION.
7. THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT/ ENGINEER ANY MATERIALS TO BE REUSED AND WILL BE RESPONSIBLE FOR VERIFYING AND MAINTAINING THE FUNCTIONAL AND AESTHETIC INTEGRITY OF THE MATERIALS.
8. VERIFY AND MAINTAIN THE LOCATION OF EXISTING POWER, COMMUNICATION AND DATA CABLES SO AS TO NOT INADVERTENTLY INTERRUPT THE CONTINUITY OF THEIR SERVICE.
9. PATCH ALL FLOOR, WALL AND CEILING PENETRATIONS RESULTING FROM REMOVAL OR REROUTING OF NEW OR EXISTING PIPING, DUCTWORK, CONDUIT, ETC. AS REQUIRED TO MAINTAIN FIRE SEPARATIONS. FINISH AS REQUIRED FOR NEW OR EXISTING ADJACENT SURFACES.
10. CAP ALL DISCONNECTED MECHANICAL PIPING LINES WITHIN THE WALL OR FLOOR. PATCH AND FINISH AS REQUIRED TO MATCH NEW OR EXISTING ADJACENT SURFACES.
11. ALL CEILING MOUNTED ITEMS, INCLUDING BUT NOT LIMITED TO, LIGHTS, FIRE SPRINKLER HEADS, SPEAKERS, SMOKE OR THERMAL DETECTORS SHALL BE REINSTALLED IN THEIR ORIGINAL LOCATION AND CONDITION.
12. CONSTRUCT TEMPORARY PARTITIONS WITHIN THE EXISTING BUILDING WHICH OFFER A ONE-HOUR ENCLOSURE TO ISOLATE ANY DEMOLITION/ CONSTRUCTION WORK FROM THE GENERAL PUBLIC AND AS DEEMED NECESSARY BY THE OWNER. COORDINATE LOCATIONS WITH THE OWNER AND MAINTAIN MEANS OF EGRESS THROUGHOUT THE WORK.
13. MAINTAIN SECURE, WEATHER-TIGHT ENCLOSURE AT THE EXTERIOR OF THE EXISTING BUILDING THROUGHOUT THE DEMOLITION/ CONSTRUCTION PORTION OF THE WORK IN THAT AREA. CONTRACTOR TO PROVIDE BUILDING SECURITY. SECURITY SHALL BE COORDINATED WITH THE OWNER.
14. REMOVE IN THEIR ENTIRETY ALL EXISTING WALLS, DOORS, MILLWORK, PLUMBING FIXTURES, ETC... AS REQUIRED TO EXECUTE THE DEMOLITION/ CONSTRUCTION WORK DESCRIBED BY THE ARCHITECT-ENGINEER.
15. SEE MECHANICAL AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SEQUENCING AND SCOPE OF WORK.
16. AVOID ANY DISTURBANCE OF SOILS WITHIN THE ZONE OF INFLUENCE AROUND EXISTING FOOTINGS AND FLOOR SLABS AS DIRECTED BY SOILS ENGINEER.

11 OVERALL DEMO PLAN
SCALE: 3/32" = 1'-0"

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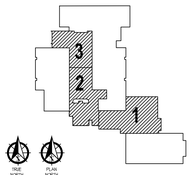
OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK
2025

PROJECT

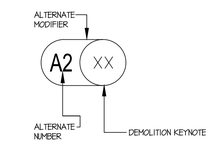


KEY PLAN

3 ADD'L

DEMOLITION KEYNOTE LEGEND:

NOTE
KEYNOTES WITHOUT ALTERNATE MODIFIER INDICATES BASE BID



ADDENDUM 2 03.17.26
ADDENDUM 3 03.26.26

REVISIONS

11.25.25

ISSUE DATE

2407 | PROJECT NO
LBT | DRAWN BY
MDS | CHKD BY

OVERALL DEMO PLAN

D100

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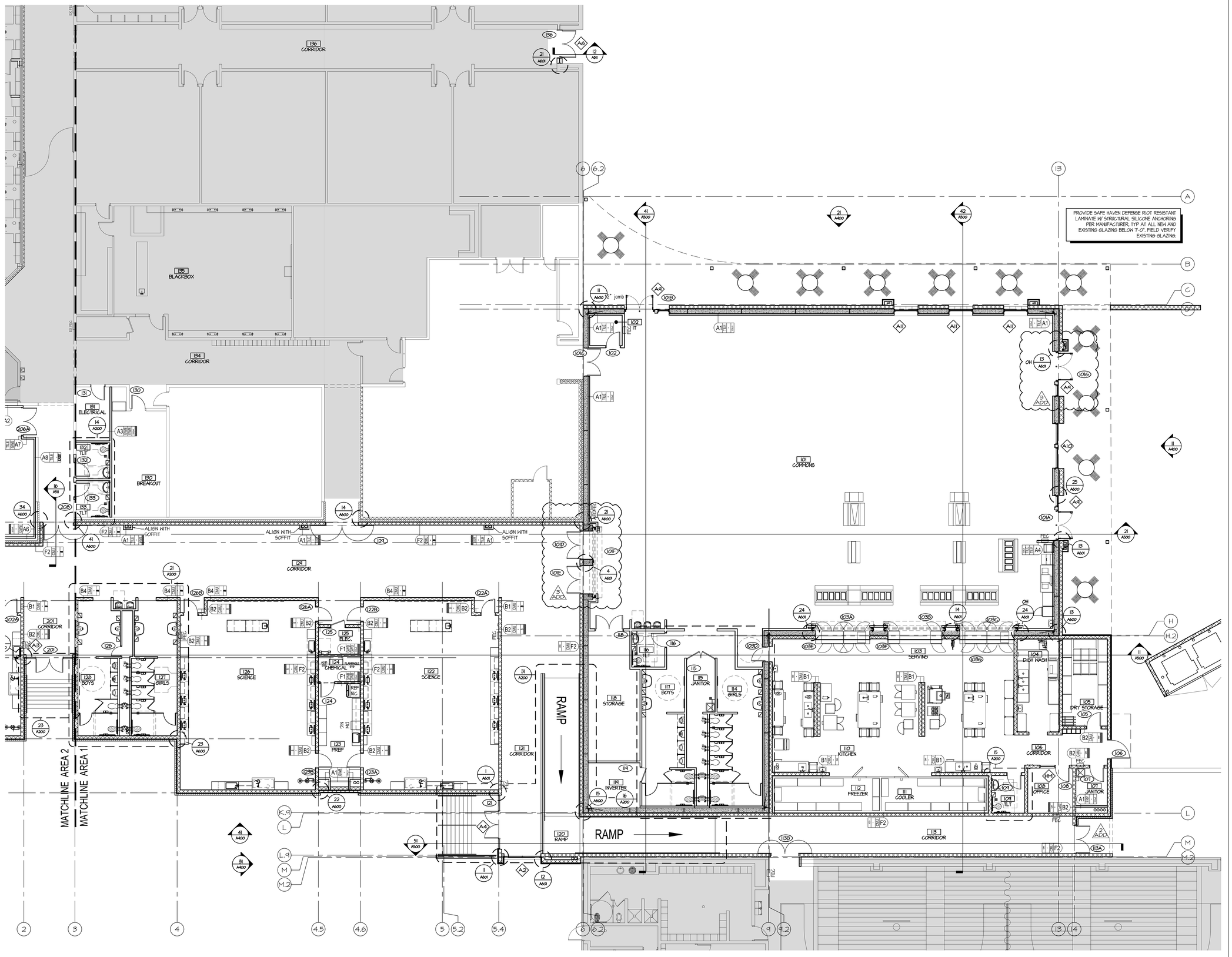

11 FLOOR PLAN - AREA 1
SCALE: 1/8" = 1'-0"

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OWASSO, OK 2025 — PROJECT

KEY PLAN

3 ADD. ADDENDUM #3 — 03.26.2026

REVISIONS

11.25.25 — ISSUE DATE

2407 PROJECT NO | LBT DRAWN BY | MDS CHK'D BY

FLOOR PLAN AREA 1 - REFERENCE

A101 — SHEET TITLE

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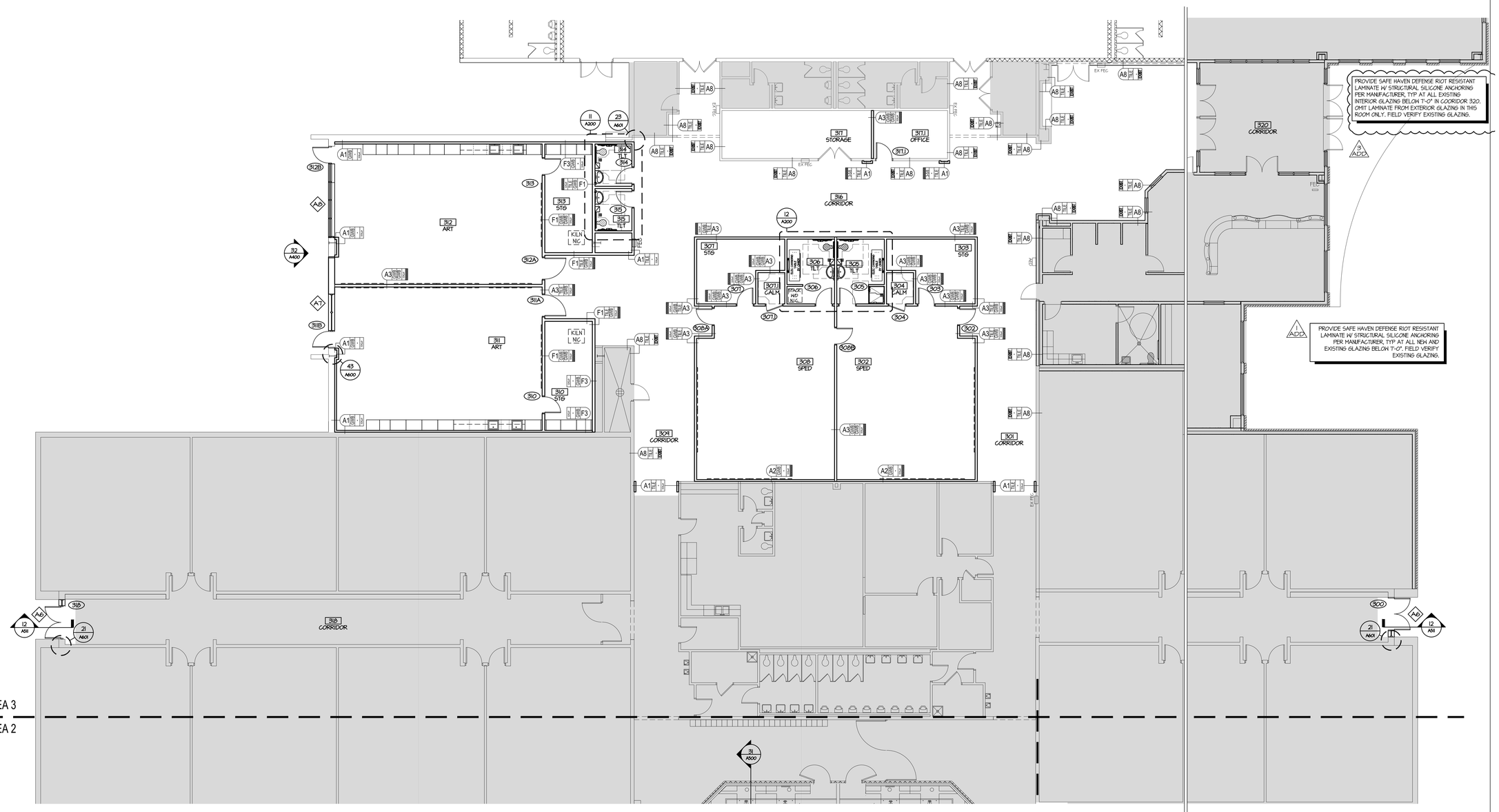

11 FLOOR PLAN - AREA 3
SCALE: 1/8" = 1'-0"

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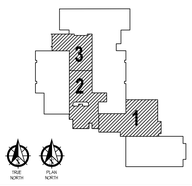
OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK 2025

PROJECT



KEY PLAN

1 ADD1	ADDENDUM #1	03.02.2026
3 ADD3	ADDENDUM #3	03.26.2026

REVISIONS

11.25.25

ISSUE DATE

2407	PROJECT NO
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MDS	CHKD BY

FLOOR PLAN
AREA 3 - REFERENCE

A103

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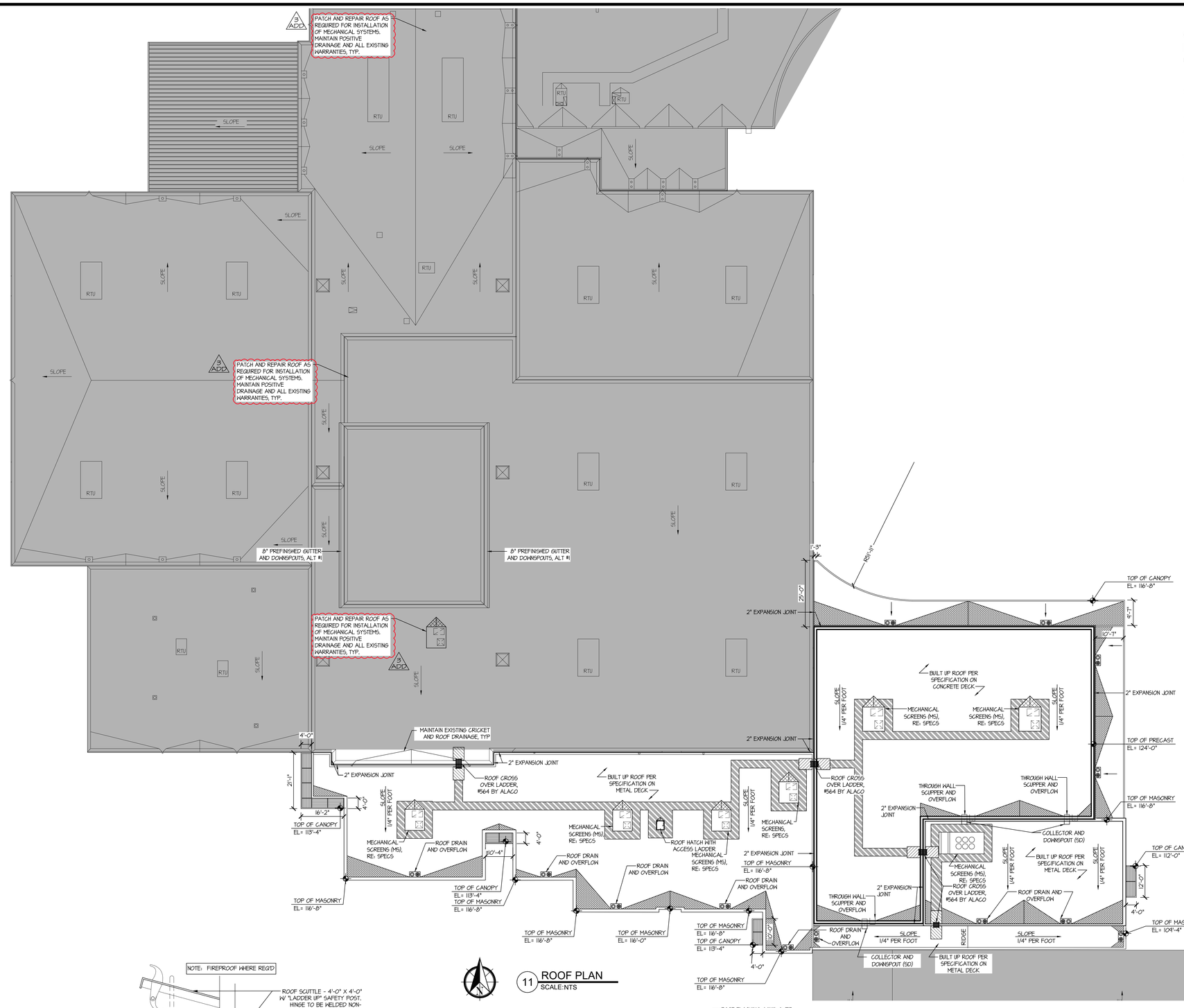
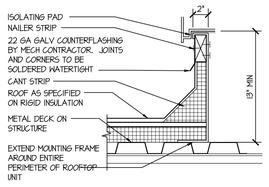
Last Plotted By: Lance Tinsley
File Name: 11 FLOOR PLAN - AREA 3.dwg

GENERAL ROOF PLAN NOTES:

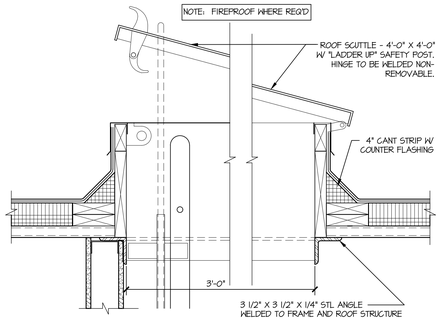
1. SHADING INDICATES TAPERED INSULATION, TAPERED INSULATION SHALL PROVIDE A MINIMUM OF 1/4" PER FOOT OF SLOPE TO ROOF DRAINS.
2. COORDINATE SIZE AND LOCATION OF ROOF PENETRATIONS WITH MECHANICAL, ELECTRICAL AND PLUMBING.
3. SEE STRUCTURAL FOR FRAMING AROUND ROOF PENETRATIONS.
4. SEE MECHANICAL, ELECTRICAL AND PLUMBING FOR OPENINGS NOT SHOWN ON THIS PLAN.
5. ROOF WORK AND SHEET METAL ITEMS NOT DETAILED SPECIFICALLY SHALL BE BUILT PER SMACNA OR NRCA MANUALS.
6. ROOF WALKWAY PAD.



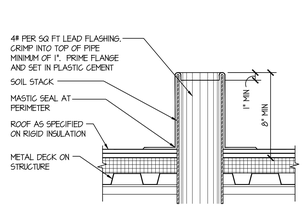
11 ROOF PLAN
SCALE:NTS



13 EQUIPMENT CURB DETAIL
SCALE:1-1/2" = 1'-0"



14 ROOF HATCH DETAIL
SCALE:1-1/2" = 1'-0"



15 SOIL PIPE PENETRATION DETAIL
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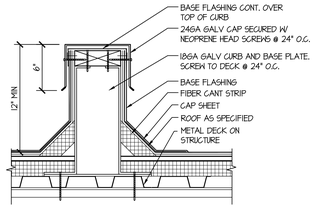
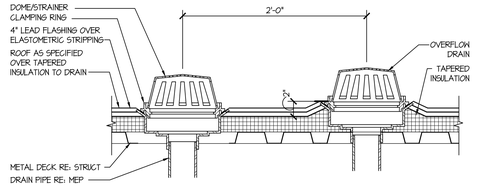
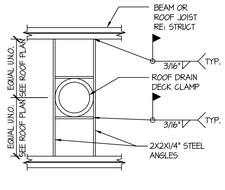


16 ROOF DETAIL
SCALE:1-1/2" = 1'-0"



17 ROOF DRAIN/OVERFLOW DETAIL
SCALE:1-1/2" = 1'-0"



18 ROOF DRAIN FRAMING DETAIL
SCALE:1-1/2" = 1'-0"

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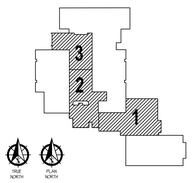
OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK
2025

PROJECT



KEY PLAN

3 ADD ADDENDUM #3 03.26.2026

REVISIONS

11.25.25

ISSUE DATE

2407 | PROJECT NO
LBT | DRAWN BY
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ROOF PLAN

A150

SHEET TITLE

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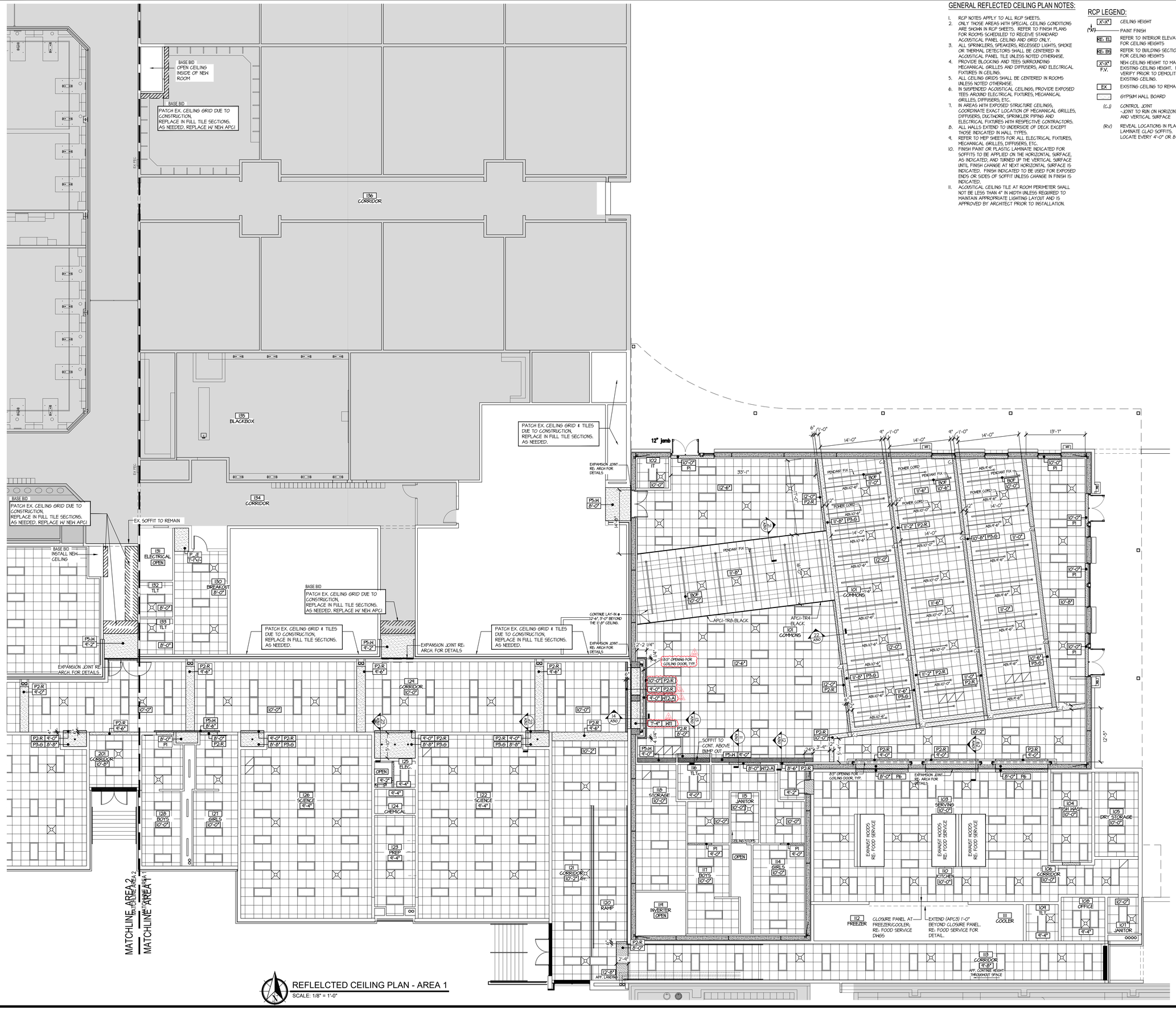
Last Printed: 11/25/2025 4:26:20 PM
File Name: 11-25-25 ROOF PLAN.DWG

GENERAL REFLECTED CEILING PLAN NOTES:

1. RCP NOTES APPLY TO ALL RCP SHEETS.
2. ONLY THOSE AREAS WITH SPECIAL CEILING CONDITIONS ARE SHOWN IN RCP SHEETS. REFER TO FINISH PLANS FOR ROOMS SCHEDULED TO RECEIVE STANDARD ACOUSTICAL PANEL CEILING AND GRID ONLY.
3. ALL SPRINKLERS, SPEAKERS, RECESSED LIGHTS, SMOKE OR THERMAL DETECTORS SHALL BE CENTERED IN ACOUSTICAL PANEL TILE UNLESS NOTED OTHERWISE.
4. PROVIDE BLOCKING AND TEES SURROUNDING MECHANICAL GRILLES AND DIFFUSERS, AND ELECTRICAL FIXTURES IN CEILING.
5. ALL CEILING GRIDS SHALL BE CENTERED IN ROOMS UNLESS NOTED OTHERWISE.
6. IN SUSPENDED ACOUSTICAL CEILINGS, PROVIDE EXPOSED TEES AROUND ELECTRICAL FIXTURES, MECHANICAL GRILLES, DIFFUSERS, ETC.
7. IN AREAS WITH EXPOSED STRUCTURE CEILINGS, COORDINATE EXACT LOCATION OF MECHANICAL GRILLES, DIFFUSERS, DUCTWORK, SPRINKLER PIPING AND ELECTRICAL FIXTURES WITH RESPECTIVE CONTRACTORS.
8. ALL WALLS EXTEND TO UNDERSIDE OF DECK EXCEPT THOSE INDICATED IN WALL TYPES.
9. REFER TO MEP SHEETS FOR ALL ELECTRICAL FIXTURES, MECHANICAL GRILLES, DIFFUSERS, ETC.
10. FINISH PAINT OR PLASTIC LAMINATE INDICATED FOR SOFFITS TO BE APPLIED ON THE HORIZONTAL SURFACE, AS INDICATED, AND TURNED UP THE VERTICAL SURFACE UNTIL FINISH CHANGE AT NEXT HORIZONTAL SURFACE IS INDICATED. FINISH INDICATED TO BE USED FOR EXPOSED ENDS OR SIDES OF SOFFIT UNLESS CHANGE IN FINISH IS INDICATED.
11. ACOUSTICAL CEILING TILE AT ROOM PERIMETER SHALL NOT BE LESS THAN 4" IN WIDTH UNLESS REQUIRED TO MAINTAIN APPROPRIATE LIGHTING LAYOUT AND IS APPROVED BY ARCHITECT PRIOR TO INSTALLATION.

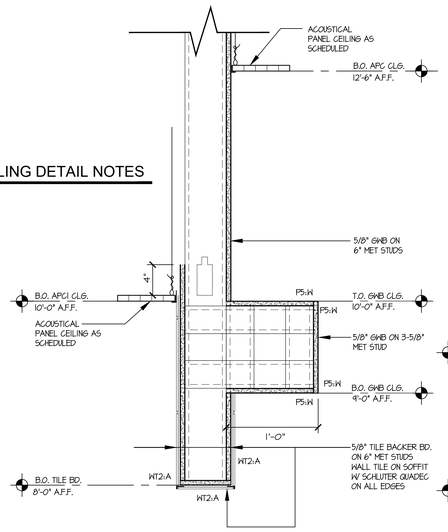
RCP LEGEND:

X'-X"	CEILING HEIGHT
(XX)	PAINT FINISH
RE: E1	REFER TO INTERIOR ELEVATIONS FOR CEILING HEIGHTS
RE: B8	REFER TO BUILDING SECTIONS FOR CEILING HEIGHTS
X'-X" F.V.	NEW CEILING HEIGHT TO MATCH EXISTING CEILING HEIGHT. FIELD VERIFY PRIOR TO DEMOLITION OF EXISTING CEILING.
EX	EXISTING CEILING TO REMAIN
	GYPSUM WALL BOARD
(C.J)	CONTROL JOINT -JOINT TO RUN ON HORIZONTAL AND VERTICAL SURFACE
(RV)	REVEAL LOCATIONS IN PLASTIC LAMINATE CLAD SOFFITS, LOCATE EVERY 4'-0" OR 8'-0"


BASE BID
OPEN CEILING INSIDE OF NEW ROOM
BASE BID
PATCH EX. CEILING GRID DUE TO CONSTRUCTION, REPLACE IN FULL TILE SECTIONS, AS NEEDED. REPLACE W/ NEW APCI
EX. FEC
136 CORRIDOR
135 BLACKBOX
PATCH EX. CEILING GRID & TILES DUE TO CONSTRUCTION, REPLACE IN FULL TILE SECTIONS, AS NEEDED.
EXPANSION JOINT RE: ARCH FOR DETAILS
134 CORRIDOR
BASE BID
PATCH EX. CEILING GRID DUE TO CONSTRUCTION, REPLACE IN FULL TILE SECTIONS, AS NEEDED. REPLACE W/ NEW APCI
EX. SOFFIT TO REMAIN
BASE BID
INSTALL NEW CEILING
131 ELECTRICAL OPEN
P_E 7'-1"+/-
130 BREAKOUT 10'-0"
132 TLT 8'-0"
133 TLT 8'-0"
P5.W 9'-2"
BASE BID
PATCH EX. CEILING GRID DUE TO CONSTRUCTION, REPLACE IN FULL TILE SECTIONS, AS NEEDED. REPLACE W/ NEW APCI
PATCH EX. CEILING GRID & TILES DUE TO CONSTRUCTION, REPLACE IN FULL TILE SECTIONS, AS NEEDED.
P5.W 9'-2"
EXPANSION JOINT RE: ARCH. FOR DETAILS
PATCH EX. CEILING GRID & TILES DUE TO CONSTRUCTION, REPLACE IN FULL TILE SECTIONS, AS NEEDED.
EXPANSION JOINT RE: ARCH. FOR DETAILS
EXPANSION JOINT RE: ARCH. FOR DETAILS.
P2.R 9'-6"
P5.W 8'-6"
201 CORRIDOR 10'-0"
P1 8'-0"
128 BOYS 10'-0"
127 GIRLS 10'-0"
126 SCIENCE 9'-4"
124 CORRIDOR 10'-0"
125 ELEC. OPEN 9'-2" 1'-8" 9'-4"
124 CHEMICAL 9'-4"
123 PREP 9'-4"
122 SCIENCE 9'-4"
121 CORRIDOR 10'-2" AFF.
120 RAMP
MATCHLINE AREA 2
MATCHLINE AREA 1
CONTINUE LAY-IN @ 12'-0", 3'-0" BEYOND THE 1'-0" CEILING.
APCI-TR2-BLACK
APCI-TR4 BLACK
101 COMMONS 12'-0" AFF
12" jamb
6" 1'-0"
14'-0"
9" 1'-0"
14'-0"
4" 1'-0"
14'-0"
13'-7"
102 IT
33'-1"
12'-6"
12'-0" P2.R
PENDANT FIX
POWER CORD
ABU10'-6"
B9.E 10'-0"
11'-6"
B9.F 10'-6"
B9.F 10'-0"
11'-8"
B9.E 10'-0"
11'-8"
P3.G
11'-8" P2.R
14'-0"
ABU10'-0"
12'-0"
10'-0" P1
10'-0" P3.G
11'-0"
10'-0" P1
10'-0" P1
10'-0" P1
10'-0"
2'-2 1/4"
10'-0" P2.R
8'-0" P2.R
9'-0" P2.R
9'-0" P2.R
7'-4" KT1
P2.R 8'-0"
P5.H 9'-0"
P5.H 9'-0"
2'-4"
3'-4"
12'-5"
P2.R 9'-0"
P2.R 9'-0"
P2.R 9'-0"
P2.R 10'-0"
P2.R 8'-0"
P2.R 8'-0"
P2.R 8

GENERAL CEILING DETAIL NOTES

SCALE: N.T.S



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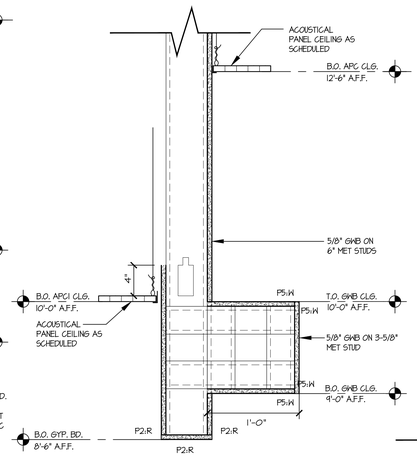

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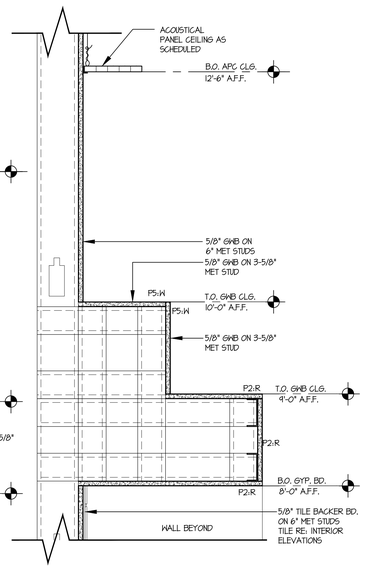

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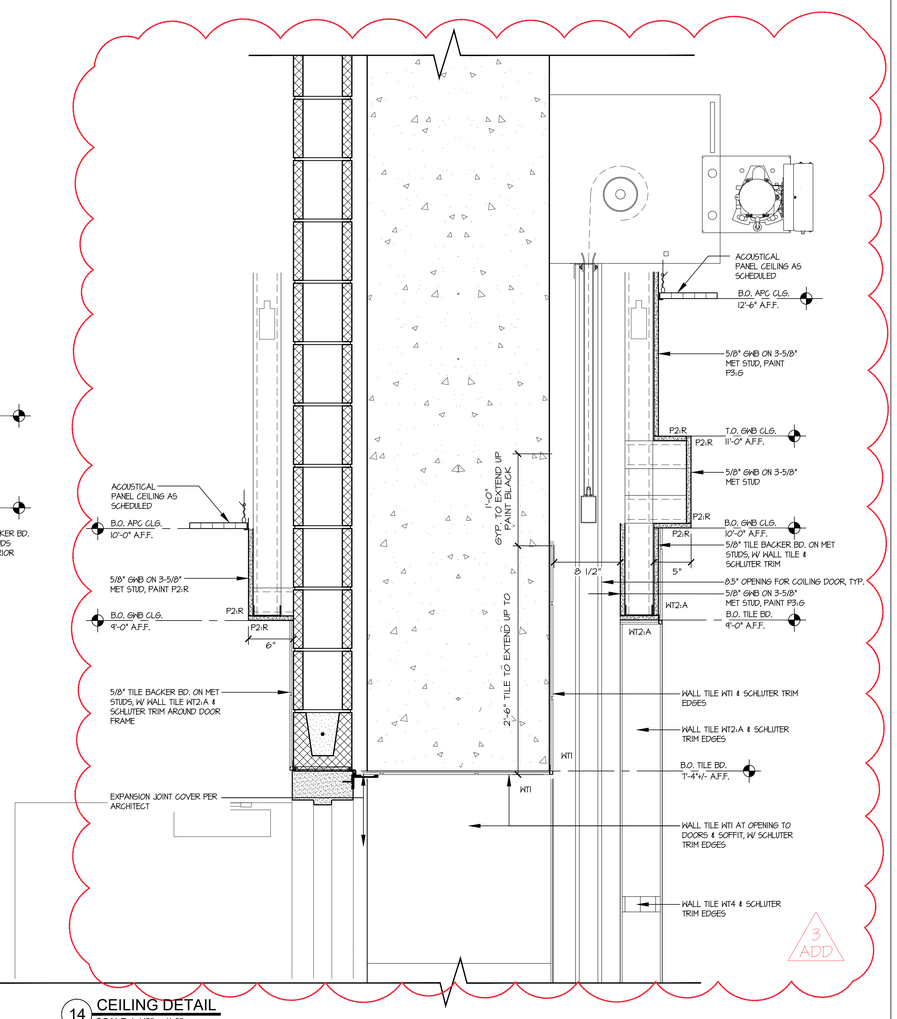

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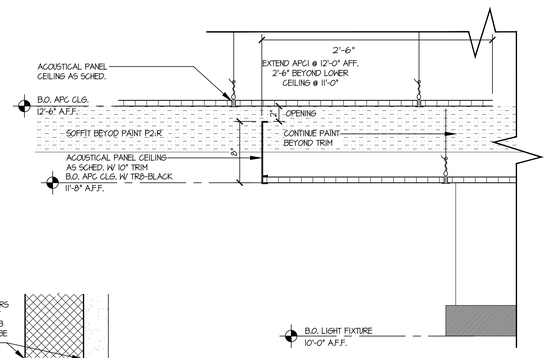

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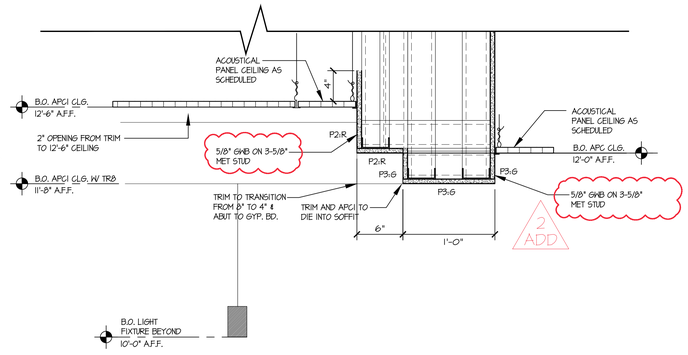

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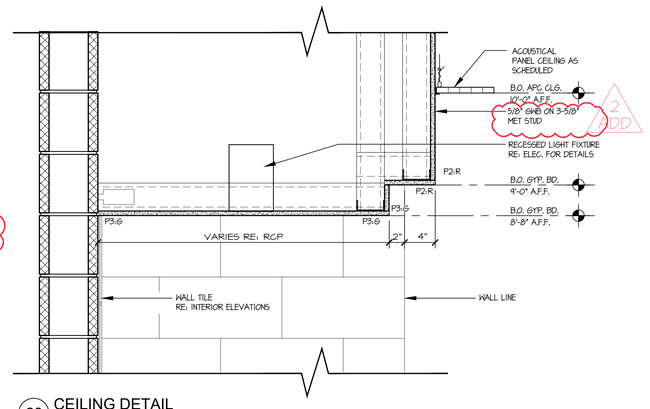
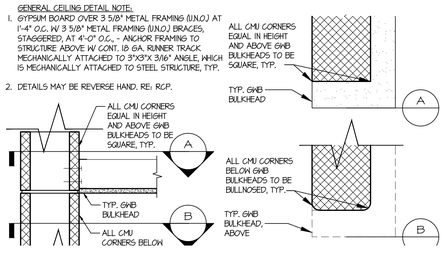


23 CEILING DETAIL
SCALE:1 1/2" = 1'-0"

GENERAL CEILING DETAIL NOTE:

1. GYPSUM BOARD OVER 3 5/8" METAL FRAMING (U.N.O.) AT 1'-4" O.C. W/ 3 5/8" METAL FRAMING (U.N.O.) BRACES, STAGGERED, AT 4'-0" O.C., - ANCHOR FRAMING TO STRUCTURE ABOVE W/ CONT. 18 GA. RUNNER TRACK MECHANICALLY ATTACHED TO 3"X3"X 3/16" ANGLE, WHICH IS MECHANICALLY ATTACHED TO STEEL STRUCTURE, TYP.
2. DETAILS MAY BE REVERSE HAND. RE: RCP.



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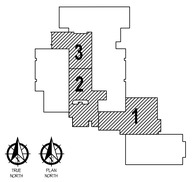
OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK
2025

PROJECT



KEY PLAN

NOTES FOR SOFFITS CLAD WITH PLASTIC LAMINATE PANELS:

1. 5/8" PLYWD. SUBSTRATE BY FRAMING SUB. FOR PLAM. PANEL CONNECTION BY MILLWORK SUB.
2. PLAM. PANELS AND REQUIRED BLOCKING BY MILLWORK SUB.
3. ALL PLAM. PANELS TO RECEIVE A MITER FOLD AT OUTSIDE CORNERS WHERE POSSIBLE.
4. ALL EDGES OF PLAM. PANELS TO BE SELF LAMINATE. NO PVC EDGEBANDING.
5. ALL FASTENERS TO BE CONCEALED. IF A 3/4" PANEL WITH DIRECT ATTACHMENT IS TO BE USED PROVIDE A MATCHING PLAM. PLUG WHERE COUNTERSUNK MECHANICAL FASTENER IS USED UNLESS NOTED OTHERWISE FOR POST LAMINATE IN FIELD.

ADDENDUM 2	03.17.26
ADDENDUM 23	03.26.26

REVISIONS

11.25.25

ISSUE DATE

2407	PROJECT NO
JLC	DRAWN BY
AAC	CHKD BY

CEILING DETAILS

A310

SHEET TITLE

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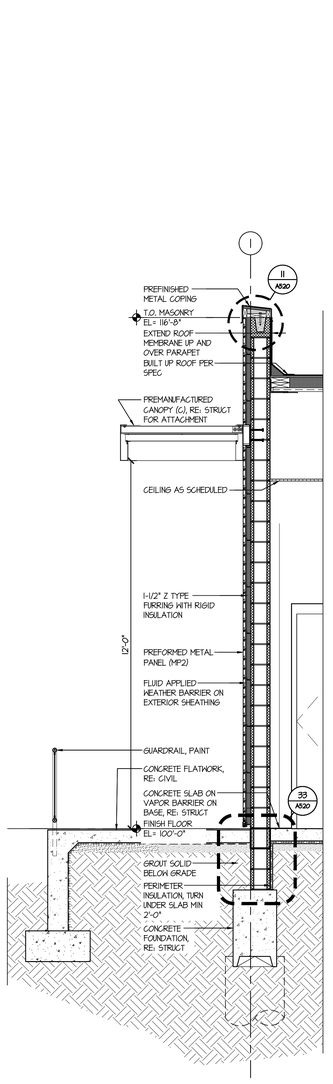

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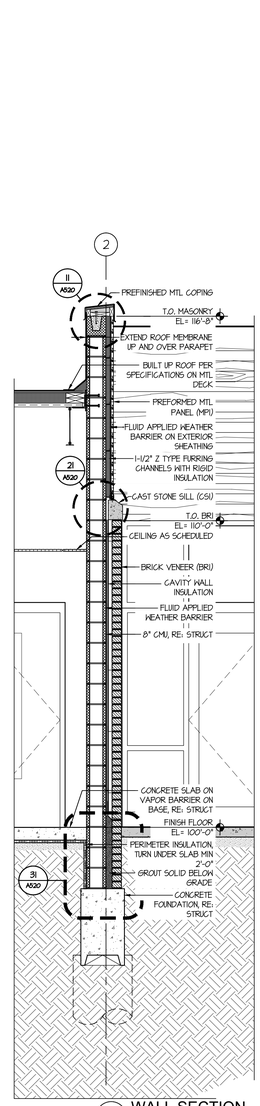

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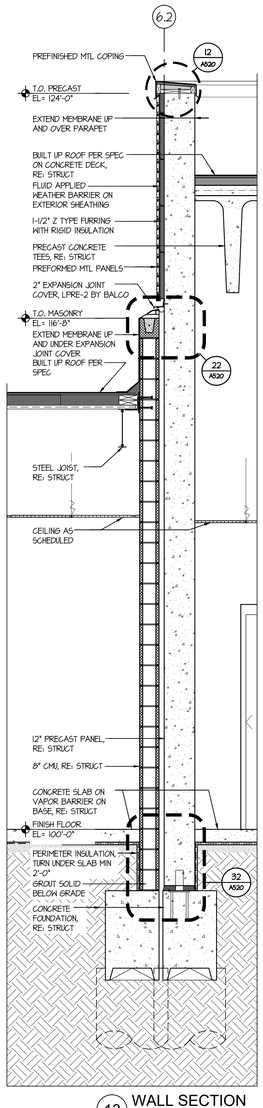

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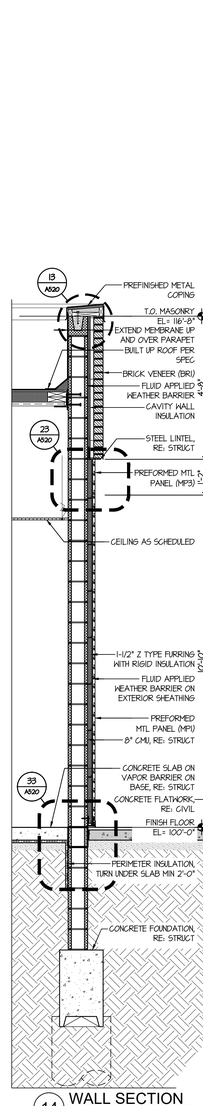

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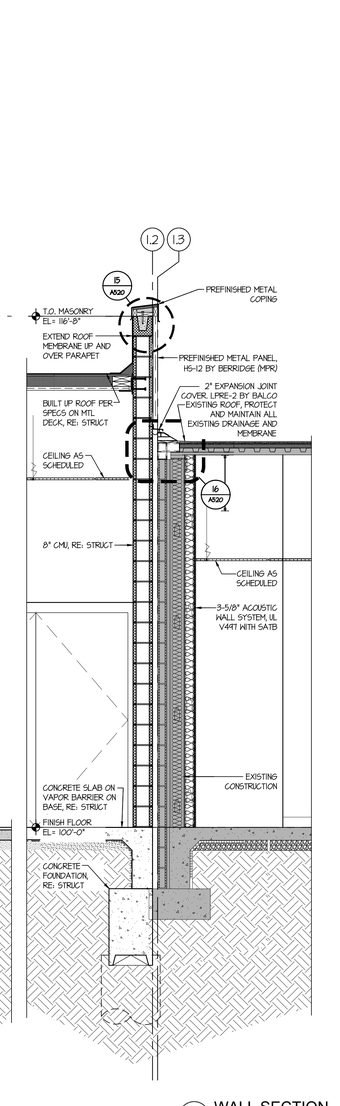

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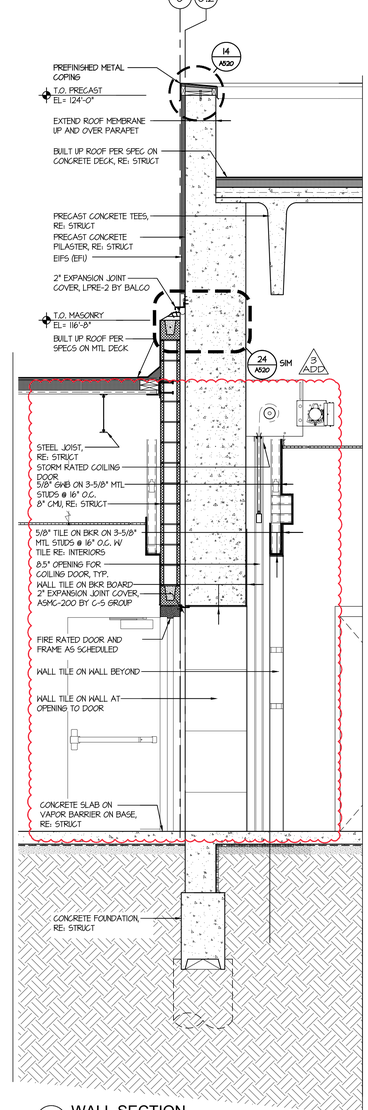

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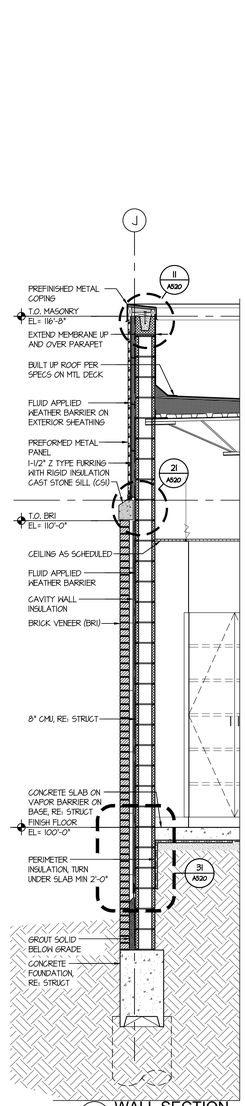

17 WALL SECTION
SCALE: 1/2" = 1'-0"

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OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS
OWASSO, OK 2025
PROJECT

KEY PLAN

3 ADD'L ADDENDUM #3 03.26.2026
REVISIONS

11.25.25
ISSUE DATE

2407 | PROJECT NO
LH | DRAWN BY
MDS | CHKD BY

WALL SECTIONS

A510
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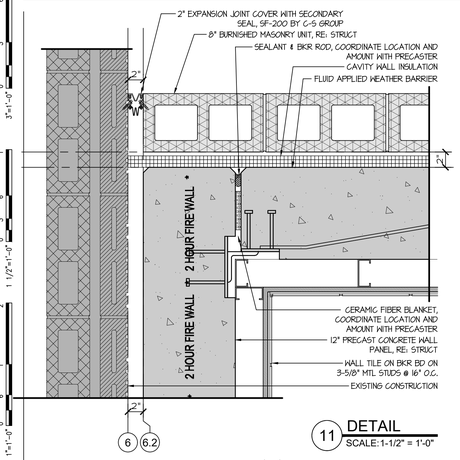

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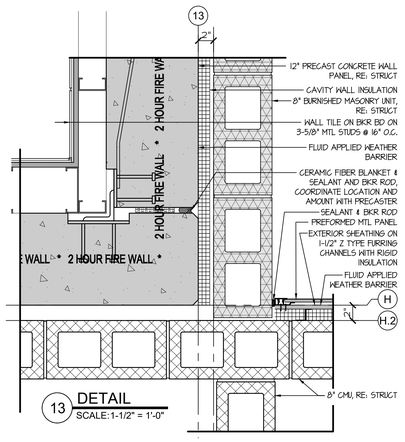

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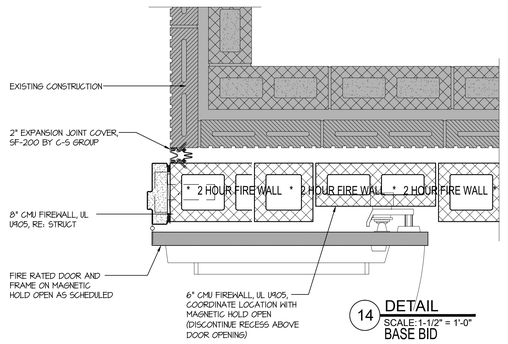

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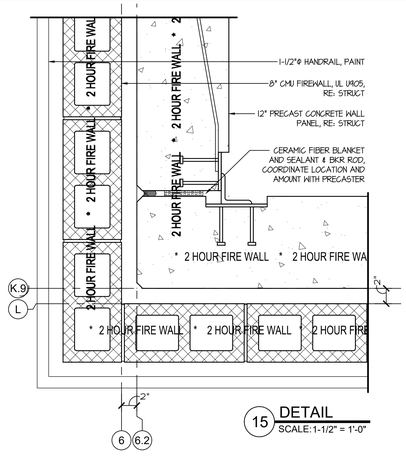

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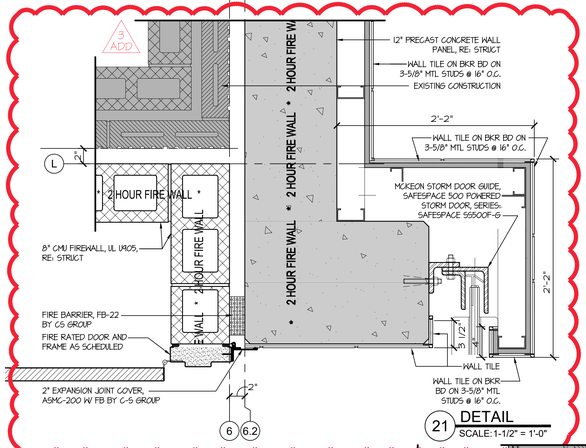

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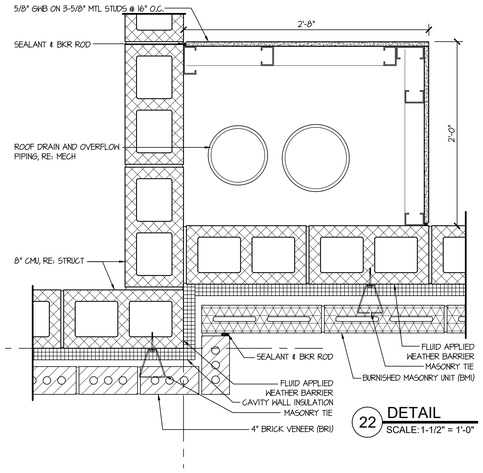

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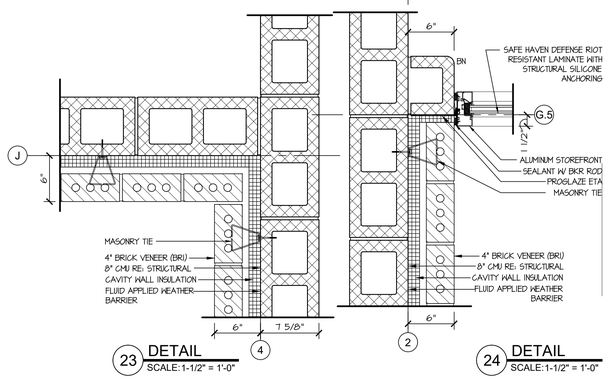

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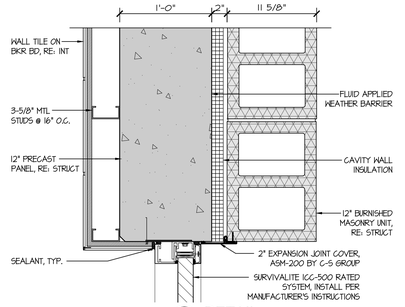

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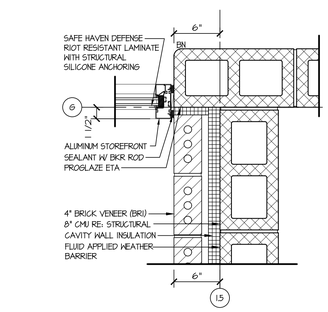

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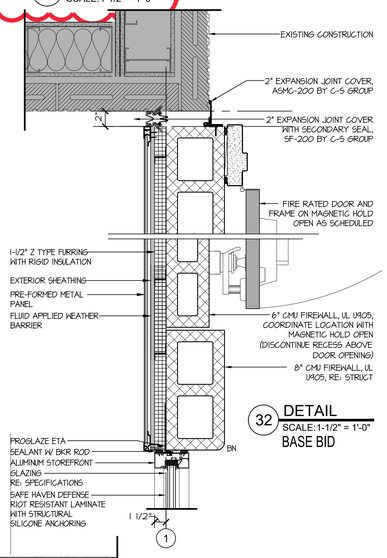

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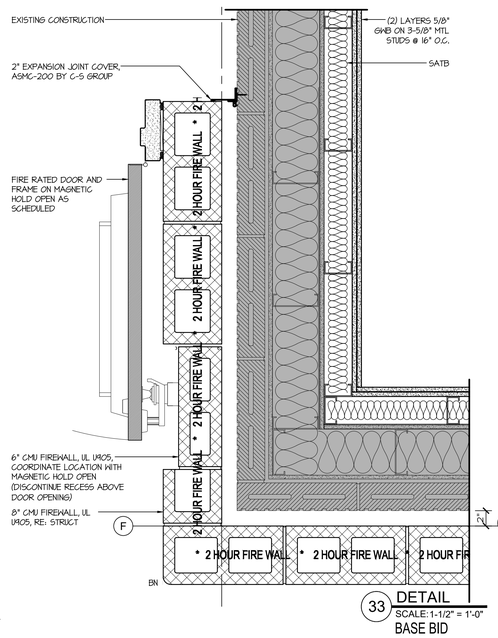

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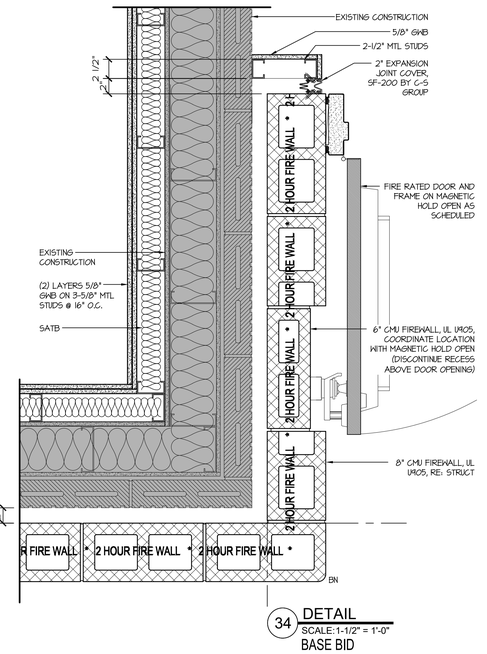

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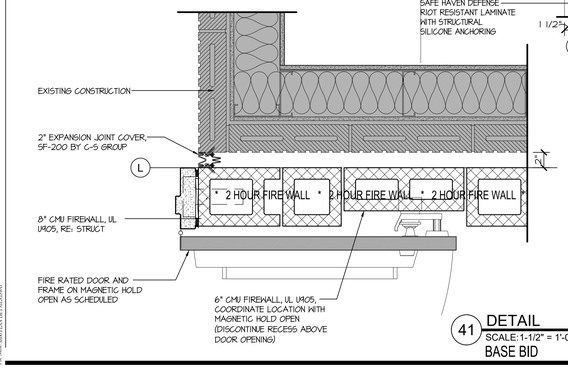

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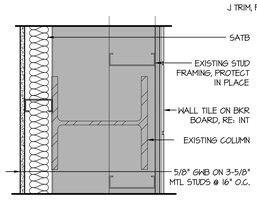

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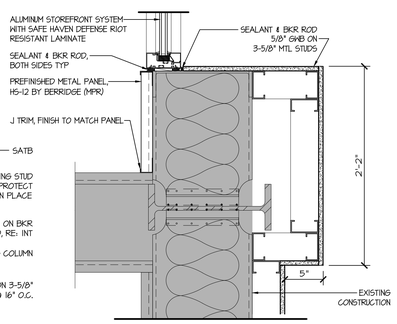
ALTERNATE #1



43 DETAIL
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Owasso, Oklahoma 74055
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STATE OF OKLAHOMA
JOSEPH M. STACY
No. 24033
OWASSO
11-25-25
OKLAHOMA
LICENSED ARCHITECT

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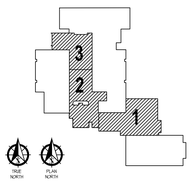
OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK
2025
PROJECT



KEY PLAN

3 ADD ADDENDUM #3 03.26.2026

REVISIONS

11.25.25
ISSUE DATE

2407 | PROJECT NO
LRT | DRAWN BY
MDS | CHKD BY

PLAN DETAILS

A600
SHEET TITLE

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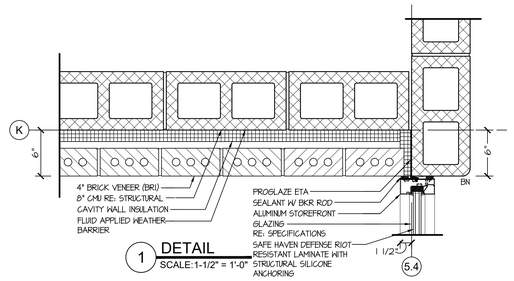

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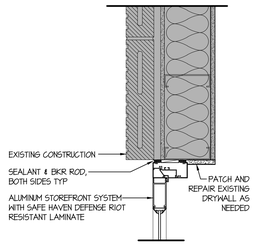

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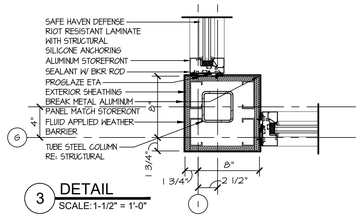

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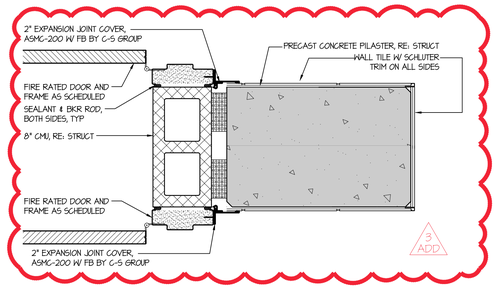

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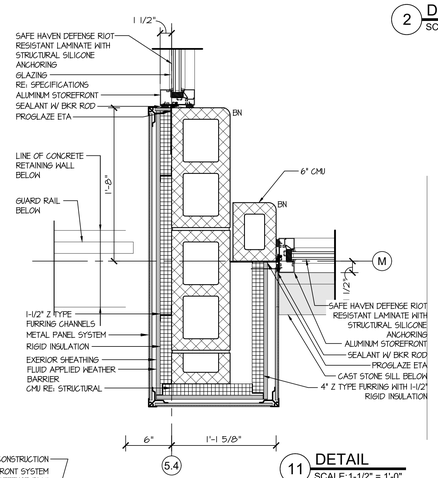

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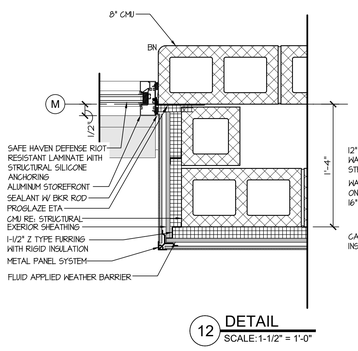

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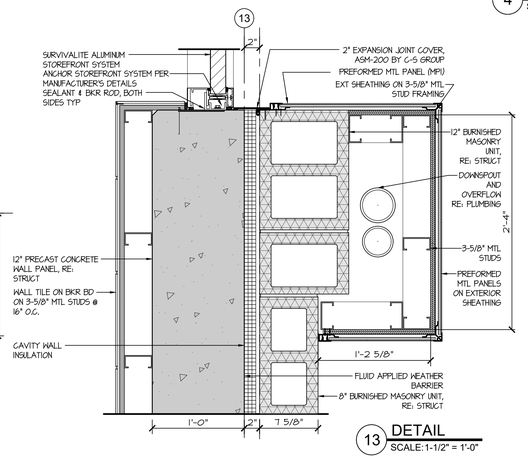

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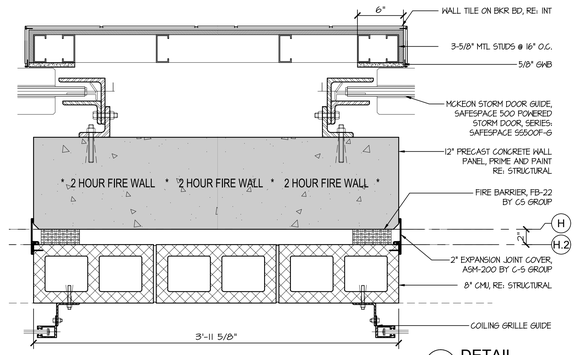

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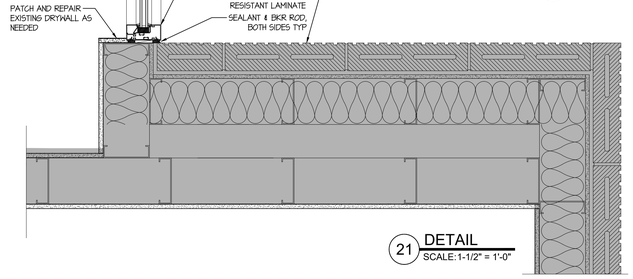

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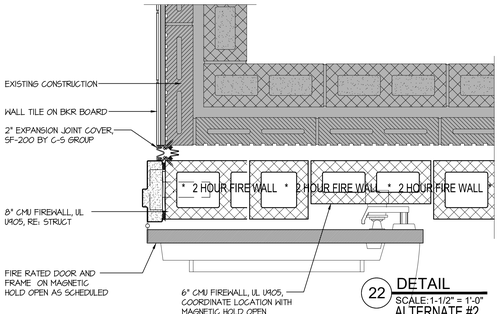

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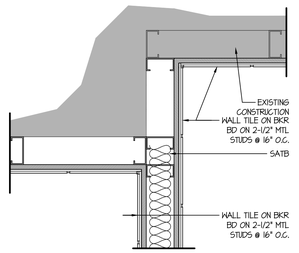

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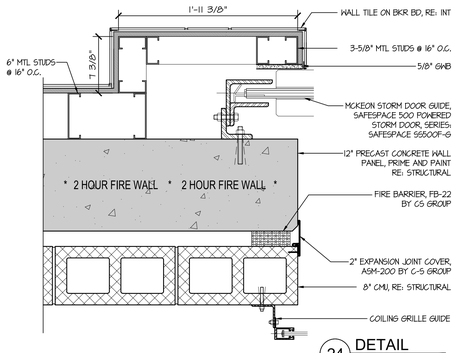

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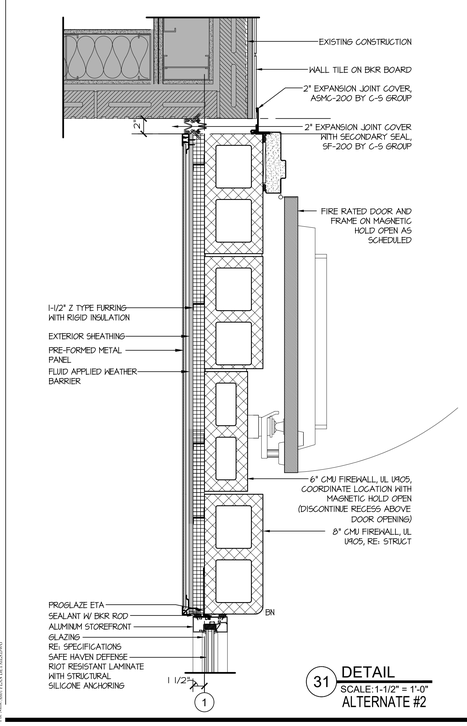

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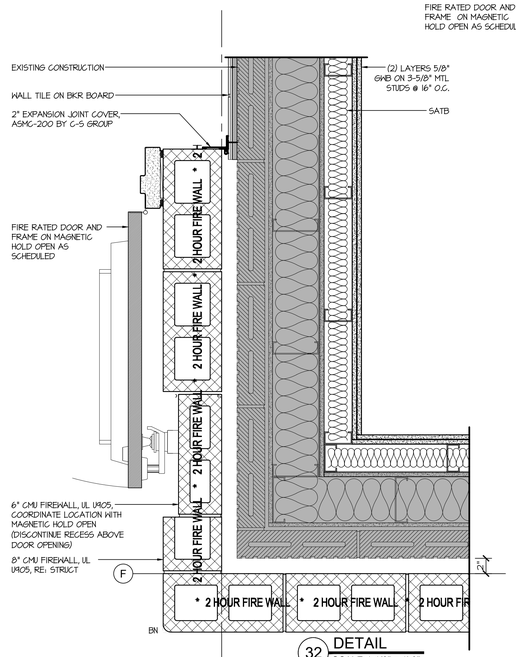

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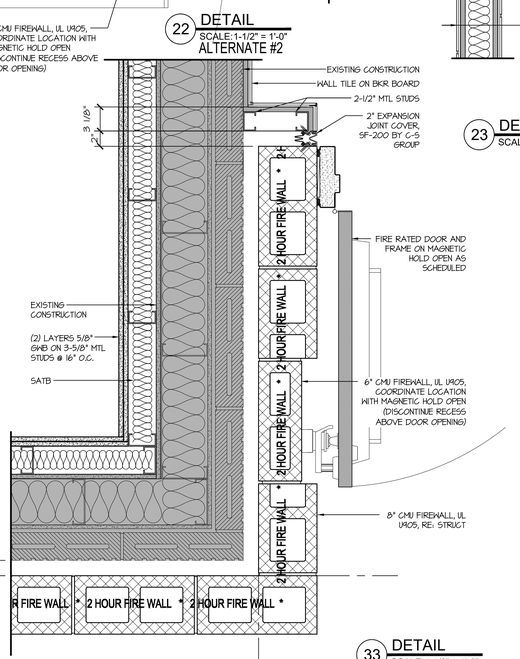

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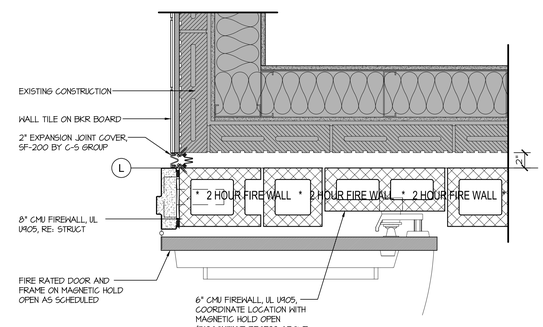

34 DETAIL
SCALE:1-1/2" = 1'-0"
ALTERNATE #2

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REG. NO. 24033
OWASSO
11-25-25
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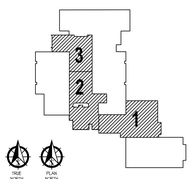
OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK 2025

PROJECT



KEY PLAN

3 ADD ADDENDUM #3 03.26.2026

REVISIONS

11.25.25

ISSUE DATE

2407 | PROJECT NO
LBT | DRAWN BY
MOS | CHKD BY

PLAN DETAILS

A601

SHEET TITLE

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Last Saved By: Lindsey
Save Date/Time: 12/5/2025 2:54:24 PM
Last Plotted: 12/5/2025 2:54:24 PM
By: Lindsey (FOR PLOTTING)

PAINT NEW WALLS P1 & INSTALL NEW RBI, ON ALL SIDES INSIDE OF ROOM
PATCH FLOORING AS REQUIRED DUE TO CONSTRUCTION, MATCH EX.
PAINT NEW WALLS P3.6 & INSTALL NEW RBI, ON ALL SIDES
REVISE MILLWORK TO ALLOW FOR NEW WALL. REPLACE ANY DAMAGE PIECES OF MILLWORK DUE TO CONSTRUCTION.

136 CORRIDOR
PAINT WALL P3.6
208 CORRIDOR
204 CORRIDOR
208 CORRIDOR
134 CORRIDOR
DASH LINE INDICATES NEW GYP. BD. PAINT P2.R & RBI
EX. WALL TILE TO REMAIN AS IS
131 ELECTRICAL
130 BREAKOUT
DASH LINE INDICATES NEW GYP. BD. PAINT P2.R & RBI
RECEIVED 206 CHOIR
205 CORRIDOR
201 CORRIDOR
202 SCIENCE
128 BOYS
127 GIRLS
126 SCIENCE
125 ELEC.
124 CHEMICAL
123 PREP
122 SCIENCE
121 CORRIDOR
120 RAMP
LINES MB8 MB8
TB4
BACK WALL ONLY
PAINT ENTIRE WALL P3.6 INSTALL NEW RBI
102 IT
PAINT WALL ON ALL SIDE
PAINT WALL ON ALL SIDE
118 STORAGE
117 BOYS
115 JANITOR FRPI ON ALL WALL
116 TLT
115 JANITOR
114 GIRLS
119 INVERTER
101 COMMONS
110 KITCHEN
111 COOLER
112 FREEZER
103 SERVING
104 DISH WASH
105 DRY STORAGE
106 CORRIDOR
107 JANITOR
108 OFFICE
109 TLT
113 CORRIDOR
PAINT WALL TO MATCH EXISTING. INSTALL NEW BASE TO MATCH EXISTING. INSTALL WOOD FLOOR AS NEEDED DUE TO CONSTRUCTION/DEMO, STAIN TO MATCH EXISTING FLOOR & NEW WOOD MM FLOOR TRANSITION AS NEEDED
MATCHLINE AREA 2
MATCHLINE AREA 1

300 CORRIDOR
PAINT WALL P3.6
TILE IN A5

FINISH PLAN - AREA 1- BASE BID
SCALE: 1/8" = 1'-0"

FINISH PLAN - AREA 1- BASE BID
SCALE: 1/8" = 1'-0"

1 SIGN TYPE 1
2 SIGN TYPE 2
3 SIGN TYPE 3
4 SIGN TYPE 4
5 SIGN TYPE 5
6 SIGN TYPE 6
... ETC.

SIGN TYPES
SCALE: N.T.S.

ROOM FINISH TAG
SCALE: N.T.S.

CEILING
WALLS
BASE
FLOOR
MILLWORK
FINISH REMARKS
CHANGE IN FINISH

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OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS
OWASSO, OK
2025
PROJECT

KEY PLAN

ADDENDUM 3 03.26.26
REVISIONS

11.25.25
ISSUE DATE

2407 | PROJECT NO
JLC | DRAWN BY
AAC | CHKD BY

FINISH PLAN
AREA 1
BASE BID

AI101
SHEET TITLE

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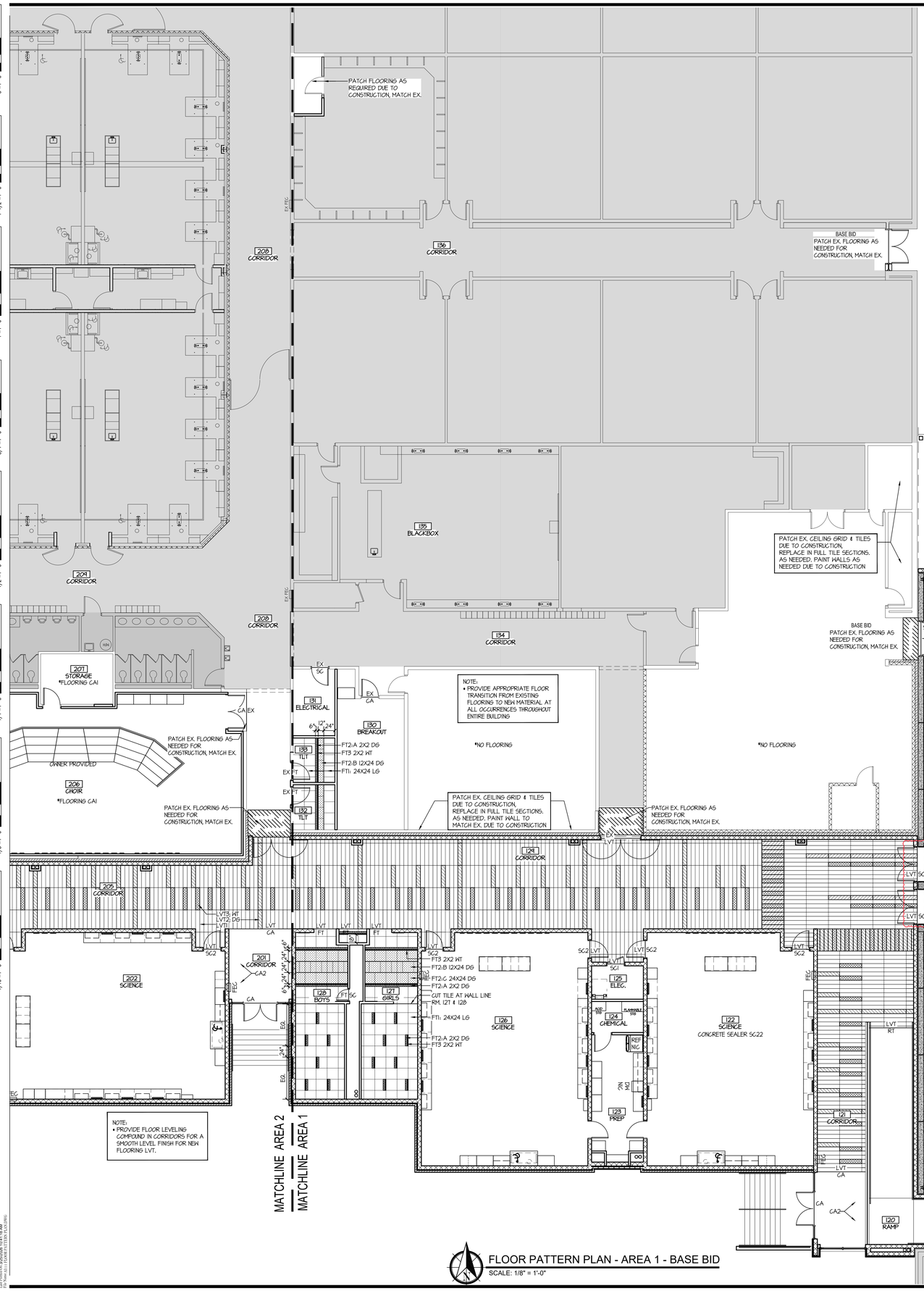

FLOOR PATTERN PLAN - AREA 1 - BASE BID
SCALE: 1/8" = 1'-0"

FLOOR PATTERN PLAN - AREA 1 - BASE BID
SCALE: 1/8" = 1'-0"

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STATE OF OKLAHOMA — JAMES R. STACY — REG. NO. 20003 — OWASSO — 11-25-25 — OKLAHOMA LICENSED ARCHITECT

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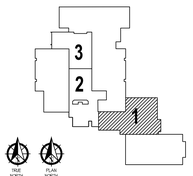
NOTES:
ALL FLOOR TILE PATTERNS ARE DRAWN USING MFGR. NOMINAL SIZES. TILE WITHIN PATTERNS MAY NEED TO SHIFT ONE HALF TILE, DUE TO TRUE TILE SIZE, TO ELIMINATE SMALL SLIVERS OF TILE AND TO MAINTAIN A 3/16" GROUT JOINT. SUB SHALL NOT RELY ON COUNTING TILE IN PATTERNS SHOWN FOR TAKE-OFF.

ALL LVT PATTERNS ARE DRAWN USING MFGR. NOMINAL SIZES. PLANKS MAY NEED TO SHIFT ONE HALF TILE, DUE TO TRUE PLANK SIZE, TO ELIMINATE SMALL SLIVERS.

OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS
OWASSO, OK
2025
PROJECT



KEY PLAN

ADDENDUM 3 03.26.26
REVISIONS

11.25.25
ISSUE DATE

2407.1 | PROJECT NO
JLC | DRAWN BY
AAC | CHKD BY

FLOOR PATTERN PLAN AREA 1 BASE BID

AI111
SHEET TITLE

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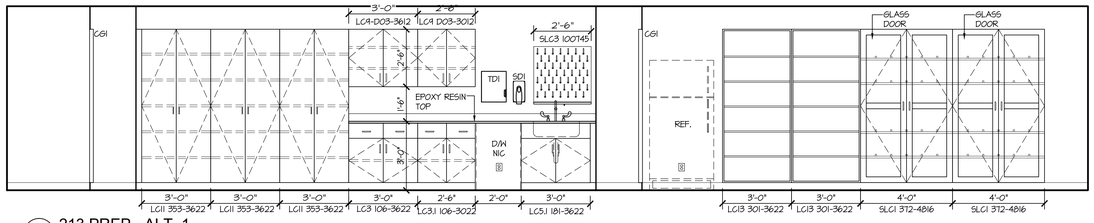

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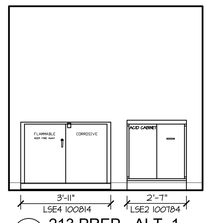

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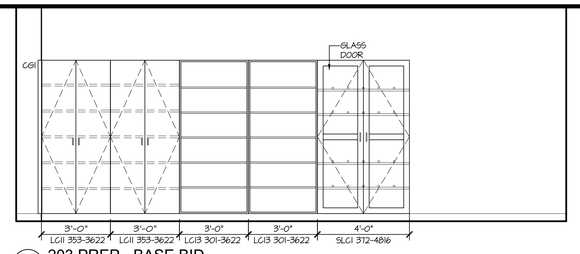

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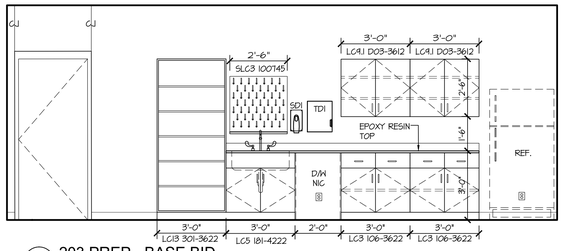

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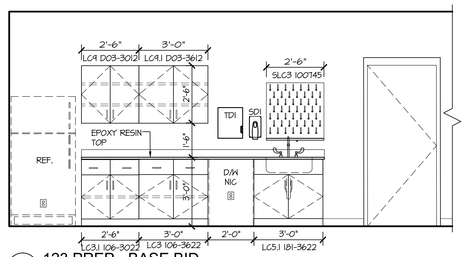

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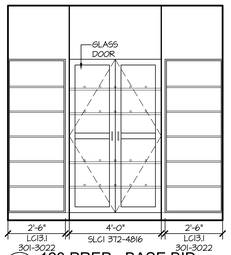

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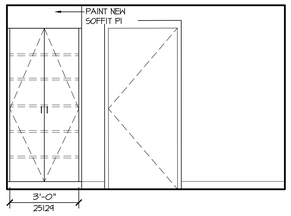

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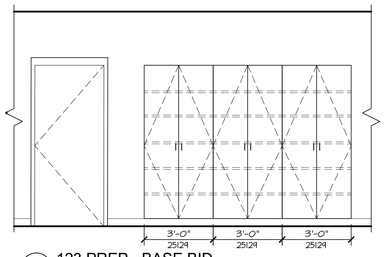

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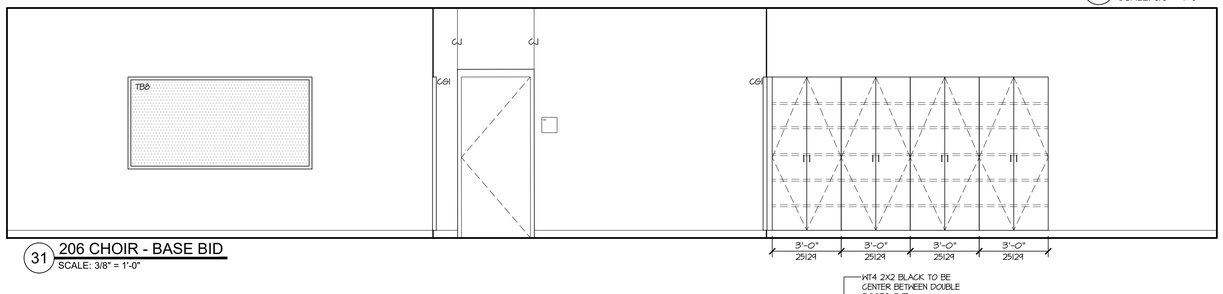

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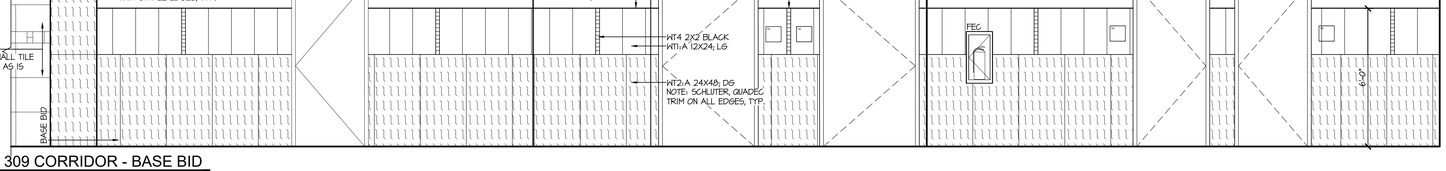

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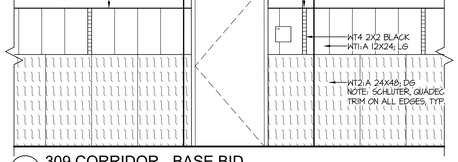

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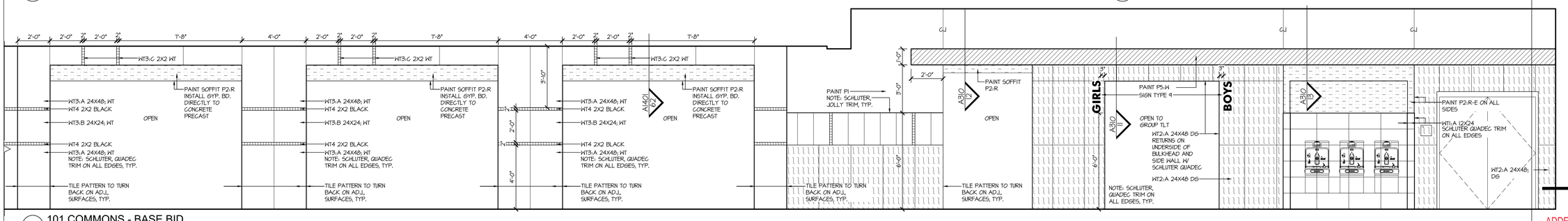

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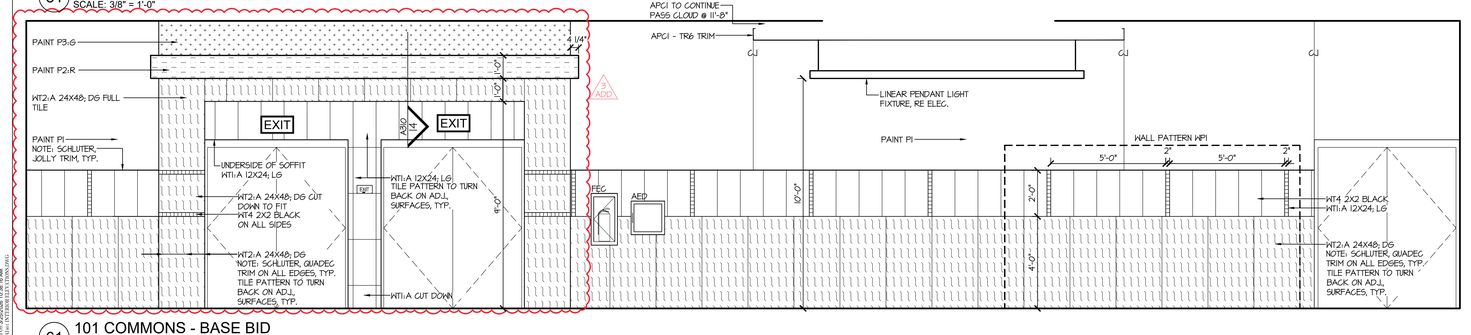

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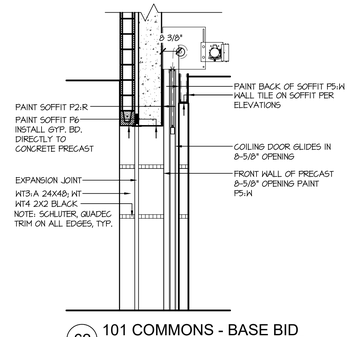
SCALE: 3/8" = 1'-0"



62 101 COMMONS - BASE BID
SCALE: 3/8" = 1'-0"

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Owasso, Oklahoma 74055
phone: 918.272.2622
web: stacy-group.com

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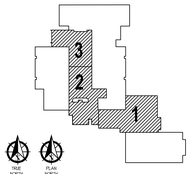
INTERIOR ELEVATION PAINT NOTES:
ALL ACCENT PAINT LINES TO FOLLOW MORTAR JOINT LINES, DUE TO CMU INCONSISTENCY.

OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK
2025
PROJECT



KEY PLAN

ADDENDUM 3 03.26.26

REVISIONS

11.25.25
ISSUE DATE

2407 | PROJECT NO
AJC | DRAWN BY
AAC | CHKD BY

INTERIOR ELEVATIONS

AI401
SHEET TITLE

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Last Plotted: 3/25/2026 08:18 AM
File Name: I:\2024\2407 OWASSO 8TH GRADE ADDITION\Drawings\Arch\AI401 INTERIOR ELEVATIONS.dwg

INTERIOR SIGNAGE SCHEDULE

FLOOR PLAN RM. NO.	FLOOR PLAN RM. NAME	SIGN TYPE	SIGN TEXT	QUANTITY
AREA 1				
101	COMMONS	3,4,7,7A, 7B,*10,B,10	RE: SIGN TYPES	PER PLAN
102	IT	3	IT	1
103	SERVING	3	KITCHEN	1
104	DISH WASH	–	–	–
105	DRY STORAGE	3	STORAGE	1
106	CORRIDOR	4	EXIT	1
107	JANITOR	3	CUSTODIAN	1
108	OFFICE	*2	OFFICE	1
109	TLT	5	RESTROOM	1
110	KITCHEN	–	–	–
111	COOLER	–	–	–
112	FREEZER	–	–	–
113	CORRIDOR	3,*4,6,7L,10	RE: SIGN TYPES	PER PLAN
114	GIRLS	5,9	RE: SIGN TYPES	1 EA.
115	JANITOR	3	CUSTODIAN	1
116	TLT	5	RESTROOM	1
117	BOYS	5,9	RE: SIGN TYPES	1
118	STORAGE	3	STORAGE	1
119	INVERTER	3	INVERTER	1
120	RAMP	6,10	RE: SIGN TYPES	1 EA.
121	CORRIDOR	*4, 7R	EXIT RE: SIGN TYPES	1 EA.
122	SCIENCE	1	CLASSROOM	2
123	PREP	3	STORAGE	2
124	CHEMICAL	3	CHEMICAL STORAGE	1
125	ELEC.	3	ELECTRICAL ROOM	1
126	SCIENCE	1	CLASSROOM	2
127	GIRLS	5,9	RE: SIGN TYPES	1 EA.
128	GOYS	5,9	RE: SIGN TYPES	1 EA.
129	CORRDIOR	3, 7R	CLASSROOM WING RE: SIGN TYPES	1 EA.
130	BREAKOUT	3	BREAKOUT	1
131	ELECTRICAL	3	ELECTRICAL ROOM	1
132	TLT	5	RESTROOM	1
133	TLT	5	RESTROOM	1
134	CORRIDOR	1, 3, 7L	CLASSROOM STORAGE RE: SIGN TYPES	4 1 1
135	BLACK BOX	1	CLASSROOM	1
136	CORRIDOR	–	–	–
EXISTING - AREA 1				
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
136	CORRIDOR	4	EXIT	1
EXIST	STORAGE	3	TBD	2
EXIST	STORAGE	3	TBD	1
EXIST	LAB	1	TBD	1
EXIST	CLASSROOM	1	TBD	2
EXIST	CLASSROOM	1 4	TBD EXIT	1 EA.
EXIST	STORAGE	3	TBD	1
EXIST	STORAGE	3	TBD	1
EXIST	STORAGE	3	TBD	1
EXIST	STORAGE	3	TBD	1

AREA 2				
201	CORRIDOR	*4	EXIT	1
202	SCIENCE	1	CLASSROOM	2
203	PREP	3	STORAGE	1
204	CHEMICAL	3	CHEMICAL STORAGE	1
205	CORRIDOR	3,4,*4,7R	CLASSROOM WING EXIT EXIT RE: SIGN TYPES	2 2 2 1
206	CHOIR	2	CHOIR	2
207	STORAGE	2	STORAGE	1
208	CORRIDOR	7L	RE: SIGN TYPES	1
209	CORRIDOR	7R, 7L	RE: SIGN TYPES	1 EA.
210	CORRIDOR	7R	RE: SIGN TYPES	1
211 – ALT.1	SCIENCE	1	CLASSROOM	2
212 – ALT.1	STORAGE	3	STORAGE	1
213 – ALT.1	PREP	3	STORAGE	2
214 – ALT.1	SCIENCE	1	CLASSROOM	2
215 – ALT.1	SCIENCE	1	CLASSROOM	2
216 – ALT.1	STORAGE	3	STORAGE	1
217 – ALT.1	TLT	5	RESTROOM	1
218 – ALT.1	TLT	5	RESTROOM	1
219	CORRIDOR	–	–	–
220	CORRIDOR	–	–	–
221	CORRIDOR	–	–	–
301	CORRIDOR	–	–	–
302	SPED	1	CLASSROOM	1
303	STG	3	STORAGE	1
304	CALM	3	CALM ROOM	1
305	TLT	5	RESTROOM	1
306	TLT	5	RESTROOM	1
307	STG	3	STORAGE	1
307.1	CALM	3	CALM ROOM	1
308	SPED	1	CLASSROOM	1
309	CORRIDOR	–	–	–
310	STG	3	STORAGE	1
311	ART	1,4	ART EXIT	1 EA.
312	ART	1,4	ART EXIT	1 EA.
313	STG	3	STORAGE	1
314	TLT	5	RESTROOM	1
315	TLT	5	RESTROOM	1
316	CORRIDOR	–	–	–
317	STORAGE	3	STORAGE	1
317.1	OFFICE	2	OFFICE	1
EXISTING - AREA 2				
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
220	CORRIDOR	4	EXIT	1
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
221	CORRIDOR	4	EXIT	1
EXIST	LAB	2	TBD	1
EXIST	LAB	2	TBD	1
EXIST	LAB	2	TBD	1
EXIST	LAB	2	TBD	1
EXIST	LAB STORAGE	3	TBD	2
EXIST	LAB STORAGE	3	TBD	2
EXIST	LAB STORAGE	3	TBD	2
EXIST	GIRLS RESTROOM	5	RE: SIGN TYPES	1
EXIST	BOYS RESTROOM	5	RE: SIGN TYPES	1
EXIST	CUSTODIAL	3	TBD	1

AREA 3				
301	CORRIDOR	7L	RE: SIGN TYPES	2
302	SPED	1	CLASSROOM	1
303	STG	3	STORAGE	1
304	CALM	3	CALM ROOM	1
305	TLT	5	RESTROOM	1
306	TLT	5	RESTROOM	1
307	STG	3	STORAGE	1
307.1	CALM	3	CALM ROOM	1
308	SPED	1	CLASSROOM	1
309	CORRIDOR	7R	RE: SIGN TYPES	2
310	STG	3	STORAGE	1
311	ART	1,4	ART EXIT	1 EA.
312	ART	1,4	ART EXIT	1 EA.
313	STG	3	STORAGE	1
314	TLT	5	RESTROOM	1
315	TLT	5	RESTROOM	1
316	CORRIDOR	–	–	–
317	STORAGE	3	STORAGE	1
317.1	OFFICE	2	OFFICE	1
EXISTING - AREA 3				
EXIST	MEDIA CENTER	*3 4	TBD EXIT	1 EA.
EXIST	OFFICE	2	TBD	1
EXIST	WORK ROOM	3	TBD	1
EXIST	OFFICE	2	TBD	1
EXIST	CLASSROOM	3	TBD	1
320	CORRIDOR	*4	EXIT	2
EXIST	RECEPTION	*3/3 *4/4	TBD EXIT	1 EA. 1 EA.
EXIST	OFFICE	2	TBD	1
EXIST	OFFICE	2	TBD	1
EXIST	OFFICE	2	TBD	1
EXIST	OFFICE	2	TBD	1
EXIST	OFFICE	2	TBD	1
EXIST	WORK ROOM	3 4	TBD EXIT	2 1
EXIST	RESTROOM	5	RE: SIGN TYPES	1
EXIST	STORAGE	3	TBD	1
EXIST	OFFICE	2	TBD	1
EXIST	STORAGE	3	TBD	1
EXIST	LOUNGE	3	TBD	1
EXIST	RESTROOM	5	RE: SIGN TYPES	1
EXIST	CORRIDOR	3 4	TBD	1 EA.
EXIST	LARGE ROOM	3 4	TBD EXIT	2 5
EXIST	BOYS RESTROOM	5	RE: SIGN TYPES	1
EXIST	GIRLS RESTROOM	5	RE: SIGN TYPES	1
EXIST	CUSTODIAL	3	TBD	1
EXIST	STORAGE	3	TBD	1
EXIST	STORAGE	3	TBD	1
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
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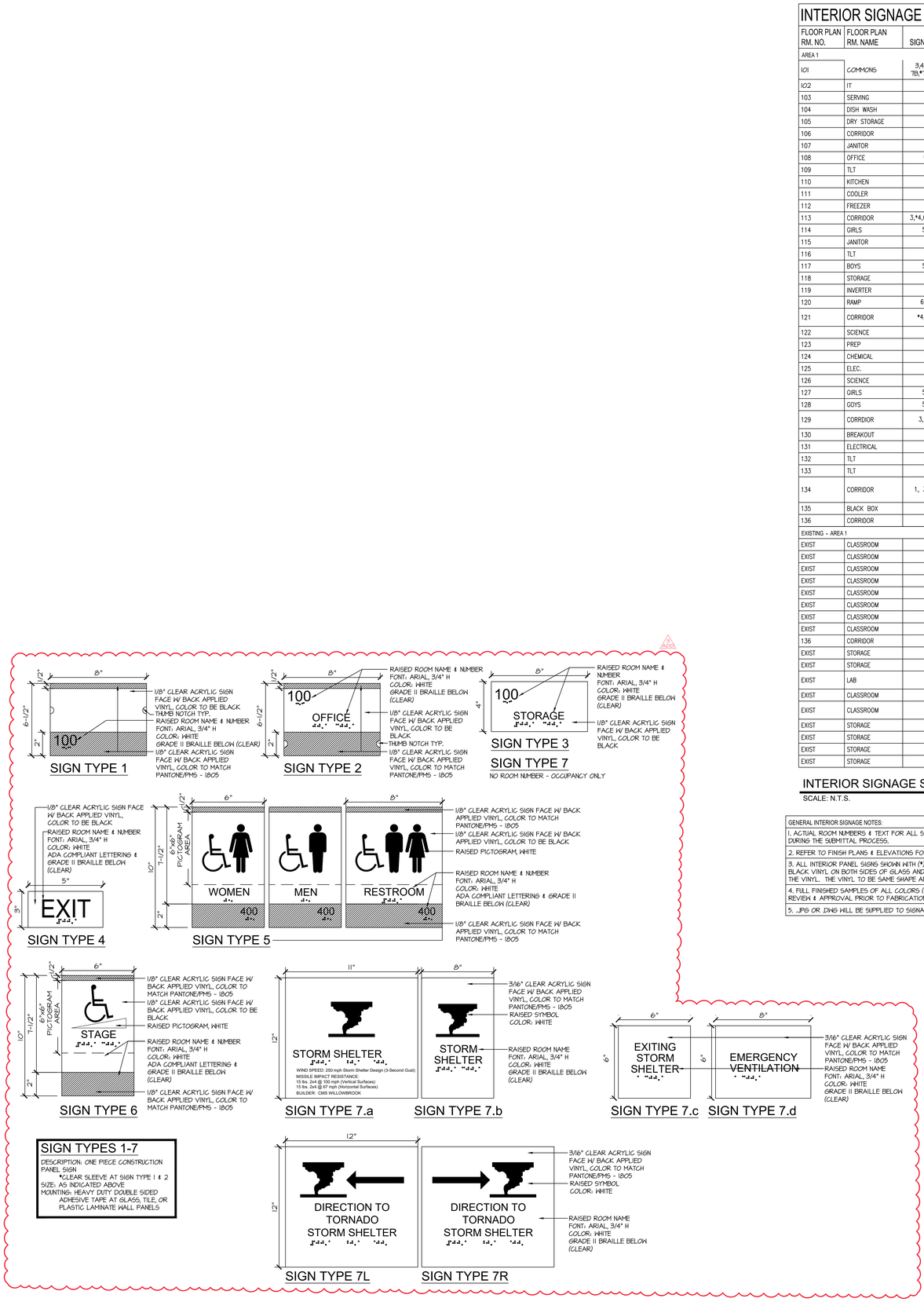
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
EXIST	CLASSROOM	1	TBD	1
300	CORRIDOR	4	EXIT	1

GENERAL INTERIOR SIGNAGE NOTES:
1. ACTUAL ROOM NUMBERS & TEXT FOR ALL SIGN TYPES SHALL BE SUPPLIED BY OWNER DURING THE SUBMITTAL PROCESS.
2. REFER TO FINISH PLANS & ELEVATIONS FOR LOCATIONS OF ALL SIGN TYPES.
3. ALL INTERIOR PANEL SIGNS SHOWN WITH (*) TO BE INSTALLED ON GLASS, BY APPLYING BLACK VINYL ON BOTH SIDES OF GLASS AND DOUBLE-SIDED TAPE TO ADHERE THE SIGN TO THE VINYL. THE VINYL TO BE SAME SHAPE AND SIZE AS PANEL SIGN.
4. FULL FINISHED SAMPLES OF ALL COLORS (INCLUDING VINYL) MUST BE SUBMITTED FOR REVIEW & APPROVAL PRIOR TO FABRICATION.
5. .JPG OR .DWG WILL BE SUPPLIED TO SIGNAGE SUBCONTRACTOR FOR SIGN TYPES.

INTERIOR SIGNAGE SCHEDULE

SCALE: N.T.S.

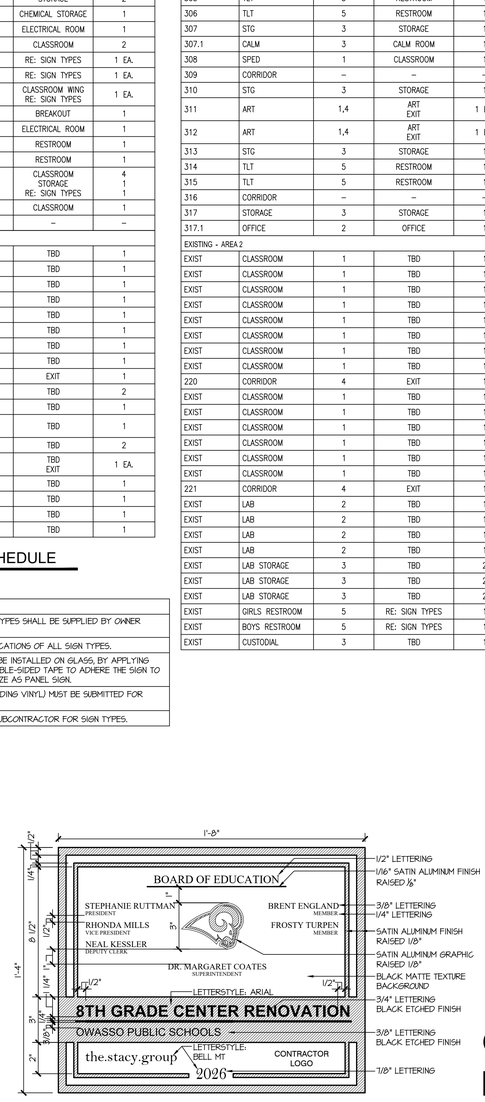


SIGN TYPES 1-7

DESCRIPTION: ONE PIECE CONSTRUCTION PANEL SIGN
*CLEAR SLEEVE AT SIGN TYPE 1 & 2
SIZE: AS INDICATED ABOVE
MOUNTING: HEAVY DUTY DOUBLE SIDED ADHESIVE TAPE AT GLASS, TILE, OR PLASTIC LAMINATE WALL PANELS

INTERIOR SIGN TYPES

SCALE: N.T.S.



SIGN TYPE 8

DESCRIPTION: CAST PLAQUE
BORDER STYLE: #513 MODIFIED
TEXTURE: MATTE
COPY FONT: 1/8" SATIN ALUMINUM RAISED ARES W/ BLACK BACKGROUND
LETTERSTYLE: TIMES NEW ROMAN UNLESS NOTED OTHERWISE
MOUNTING: NO. 4 CONCEALED STUDS FOR MASONRY
*BASED UPON A.R.K. RAMOS

GIRLS
BOYS

SIGN TYPE 9

DESCRIPTION: ACRYLIC DIMENSIONAL LETTERS
MOUNTING: THREADED STUD SET IN ADHESIVE
MATERIAL: ACRYLIC
FINISH: WHITE
HEIGHT: 6"
DEPTH: 1/2"
LETTERSTYLE: FUTURA
RE: FINISH PLANS FOR LOCATION

GYMNASIUM

SIGN TYPE 10

DESCRIPTION: ACRYLIC DIMENSIONAL LETTERS
MOUNTING: THREADED STUD SET IN ADHESIVE
MATERIAL: ACRYLIC
HEIGHT: 8"
DEPTH: 1/2"
LETTERSTYLE: FUTURA
RE: FINISH PLANS FOR LOCATION

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8091 N. Owasso Expressway
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phone: 918.272.2622
web: stacy-group.com

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NOTES:
ALL SIGNAGE TEXT & NUMBER SHALL BE SUPPLIED BY OWNER DURING SUBMITTALS.

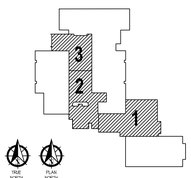
FINISH SAMPLES OF EACH MATERIAL & FINISH SHALL BE SUPPLIED DURING SUBMITTALS.

REFER TO FINISH PLANS & ELEVATIONS FOR LOCATIONS OF ALL SIGN TYPES

.JPG OR .DWG WILL BE SUPPLIED TO SIGN COMPANY. IT IS THE RESPONSIBILITY OF SIGN COMPANY TO CONVERT FILES TO TYPE REQUIRED FOR PRODUCTION.

OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS
OWASSO, OK
2025
PROJECT



KEY PLAN

ADDENDUM 3 03.26.26

REVISIONS

11.25.25
ISSUE DATE

2407 PROJECT NO
JLC DRAWN BY
AAC CHK'D BY

SIGNAGE SCHEDULE

AI701
SHEET TITLE

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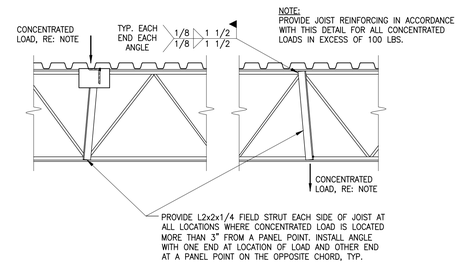
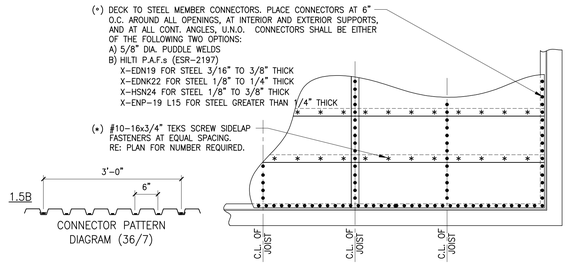
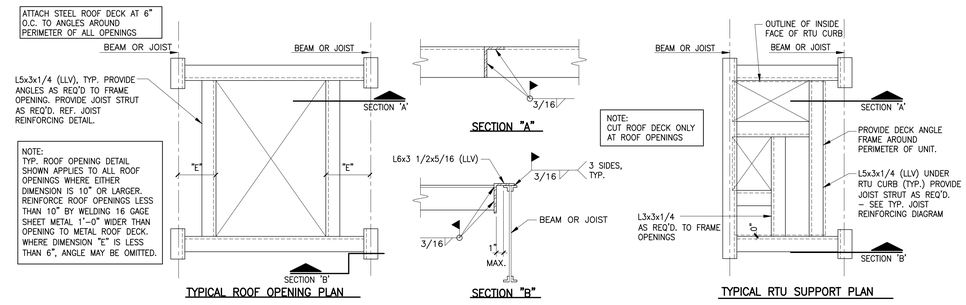


TYPICAL JOIST REINFORCING DIAGRAM



ROOF DIAPHRAGM CONNECTION DETAIL

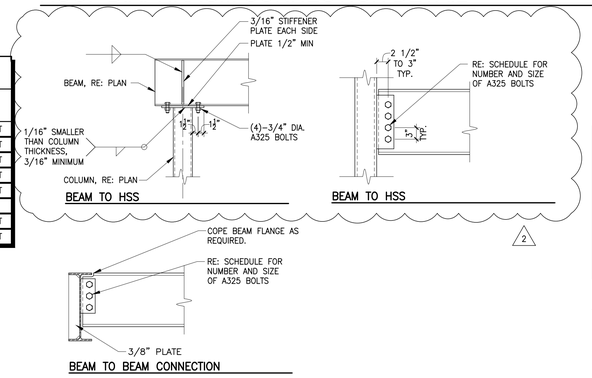


RTU AND ROOF OPENING

MINIMUM BOLT SCHEDULE						
BEAM	BOLT DIA.	PLATE THICKNESS	NO. OF BOLTS	WELD	ASD/LRFD END REACTION (KIPS)	HOLE TYPE
W8-W10	3/4"	1/4"	2	3/16"	16.3K/24.5K	STD OR SSLT
W12-W14	3/4"	3/8"	3	1/4"	28.8K/43.4K	STD OR SSLT
W16	3/4"	3/8"	4	1/4"	41.5K/62.5K	STD OR SSLT
W18	3/4"	3/8"	5	1/4"	54.1K/81.3K	STD OR SSLT
W21-W24	1"	1/2"	6	5/16"	85.9K/129.0K	STD OR SSLT
W24	1"	1/2"	6	5/16"	102.0K/153.0K	SSLT ONLY
W27	1"	1/2"	7	5/16"	119.0K/178.0K	STD OR SSLT
W30	1"	1/2"	8	5/16"	135.0K/202.0K	STD OR SSLT

NOTES

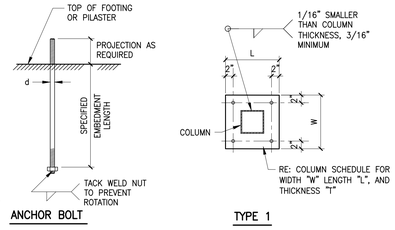
1. UNLESS INDICATED ON FRAMING PLAN AND CORRESPONDING DETAILS OR NOTES BELOW, SCHEDULE INDICATES THE MINIMUM NUMBER OF BOLTS REQUIRED FOR BEAM CONNECTIONS.
2. CONNECTIONS SHALL BE DESIGNED FOR LRFD FACTORED END REACTIONS SHOWN ON PLANS. IF NO REACTION IS SHOWN ON PLAN, DESIGN FOR REACTION IN SCHEDULE.
3. MAX. tw=0.4375" WITH 3/4" DIA. BOLTS AND 0.5625" WITH 1" DIA. BOLTS.
4. STD = STANDARD HOLES, SSLT = SHORT-SLOTTED HOLES TRANSVERSE TO DIRECTION OF LOAD.
5. THE STEEL FABRICATOR SHALL BE RESPONSIBLE FOR DESIGN AND ADEQUACY OF ALL CONNECTIONS THAT ARE NOT FULLY DETAILED ON THE CONTRACT DOCUMENTS. RE: PLANS AND SCHEDULE FOR ASD/LRFD LOADS, AND RE: STEEL BEAM MINIMUM CONNECTION SCHEDULE FOR MINIMUM CONNECTION REQUIRED.



TYPICAL CONNECTION DETAILS

COLUMN SCHEDULE				
MARK	SIZE	BASE PLATE (TxWxL)	ANCHOR BOLTS (DIA.xEMBED)	TYPE
C1	HSS8x8x3/8	1 1/2"x16"x1'-4"	(4)-1 1/2"x1'-0"	1
C2	HSS5x5x1/4	3/4"x11"x0'-11"	(4)-3/4"x1'-0"	1

NOTES:
1. WELD BETWEEN COLUMN AND BASE PLATE SHALL MEET AISC MINIMUM REQUIREMENTS.
2. RE: STEEL NOTE 4 ON S001 FOR GROUT PAD REQUIREMENTS.



COLUMN SCHEDULE AND DETAILS

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web: stacy-group.com

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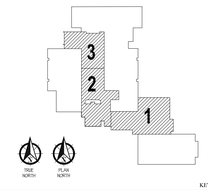
OKLA. C.A. #1460, EXP. 06/30/27

OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK
2025

PROJECT



KEY PLAN

2	ADD #3	03/26/26

REVISIONS

11.25.25

ISSUE DATE

251001	PROJECT NO
THS	DRAWN BY
DCM	CHK'D BY

SCHEDULES AND TYPICAL DETAILS

S003

SHEET TITLE

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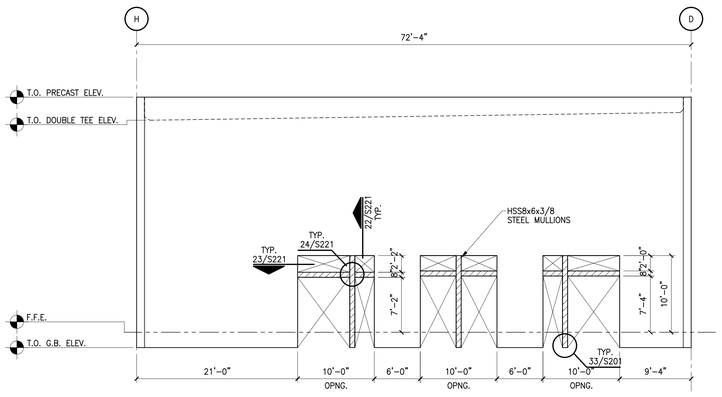
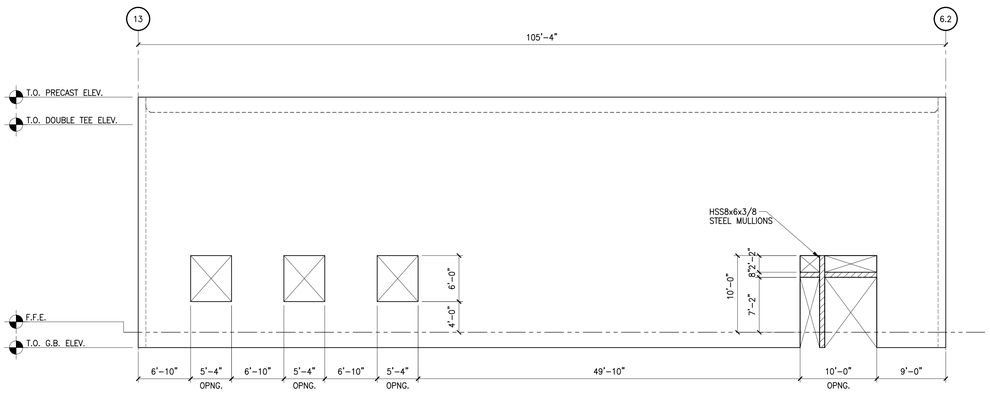


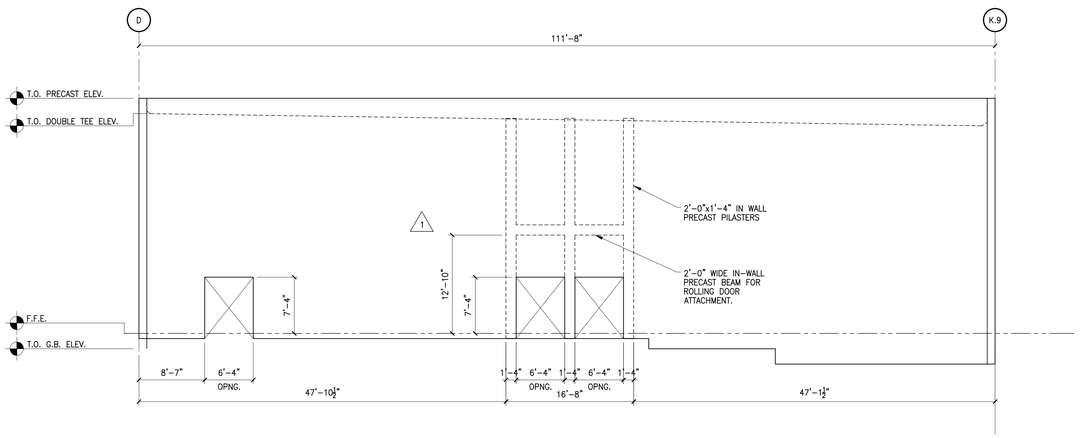
11 PANEL EXTERIOR ELEVATION - GRIDLINES 13

1/8" = 1'-0"



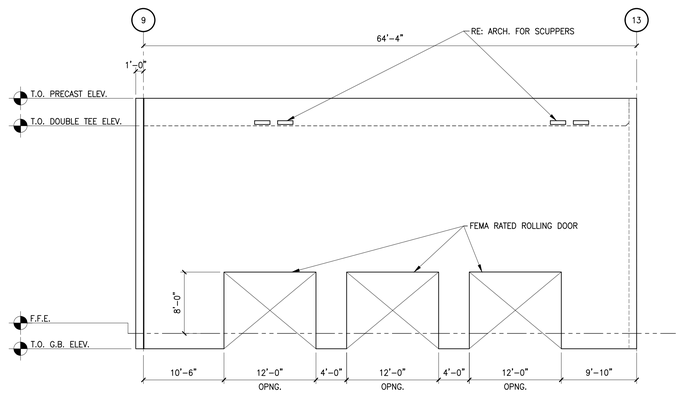
12 PANEL EXTERIOR ELEVATION - GRIDLINE D

1/8" = 1'-0"



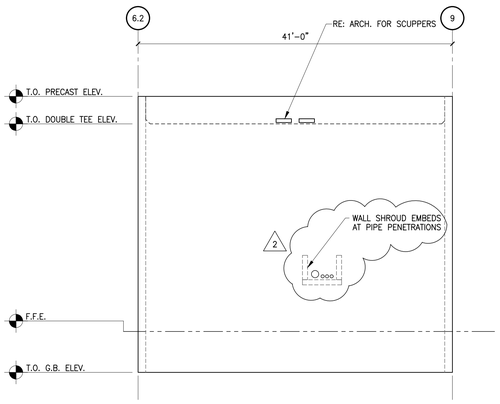
21 PANEL EXTERIOR ELEVATION - GRIDLINE 6.2

1/8" = 1'-0"



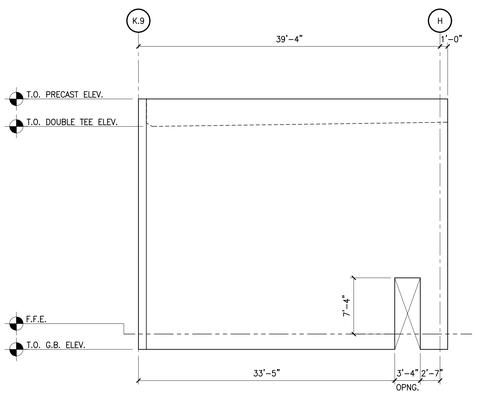
22 PANEL EXTERIOR ELEVATION - GRIDLINE H

1/8" = 1'-0"



31 PANEL EXTERIOR ELEVATION - GRIDLINE K.9

1/8" = 1'-0"



32 PANEL EXTERIOR ELEVATION - GRIDLINE 9

1/8" = 1'-0"

PANEL ELEVATION NOTES:

1. GENERAL CONTRACTOR AND PRECAST MANUFACTURER TO COORDINATE AND VERIFY ALL OPENING LOCATIONS AND SIZES WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND WITH ACTUAL EQUIPMENT PURCHASED.
2. RE: ARCH, MEP FOR OPENING DIMENSIONS AND LOCATIONS.
3. RE: S221 FOR OPENING PROTECTION.
4. THE INSTALLATION OF ITEMS IN THE PRECAST CONCRETE PANELS, AT THE PERIMETER OF THE GYMNASIUM, SHALL BE COORDINATED WITH ALL ENTITIES INVOLVED PRIOR TO THE PANEL BUILD SO THAT THERE ARE NO EXPOSED CONDUITS (ELECTRICAL AND LIGHTING).
5. PRECAST MANUFACTURER TO SUBMIT PANEL JOINT LAYOUT FOR REVIEW BY ARCHITECT AND ENGINEER PRIOR TO PRECAST SUBMITTAL REVIEW.
6. PRECAST MANUFACTURER SHALL COORDINATE EMBEDS FOR FEMA RATED DOORS, WINDOWS, AND LOUVERS WITH COMPONENT MANUFACTURERS.
7. PRECAST MANUFACTURER SHALL COORDINATE CONNECTION LAYOUT BETWEEN ALL ELEMENTS WITH ARCHITECT
10. PANEL LIFTING INSERTS SHALL BE LOCATED ON THE EXTERIOR SIDE OF THE WALL PANELS UNLESS OTHERWISE APPROVED BY ARCHITECT.
11. JOINTS BETWEEN PRECAST WALL PANELS GREATER THAN 3/8" IN WIDTH SHALL BE PROTECTED BY STEEL OR ANOTHER METHOD OTHER THAN CAULKED JOINT PER ICC 500 (2014) 306.8.
12. GENERAL CONTRACTOR SHALL COORDINATE ALL OPENINGS IN SHELTER ENVELOPE PRIOR TO PRECAST SUBMITTAL APPROVAL. COORDINATION SHALL INCLUDE OPENING SIZES, LOCATIONS, AND VERIFICATION THAT DUCT/ PIPE TURNS FIT WITHIN SCHEDULES ON S221.
13. PRECAST MANUFACTURER SHALL CONFIRM OPENING LOCATIONS WITH STRUCTURAL ENGINEER OF RECORD PRIOR TO FABRICATION FOR SHROUD APPROVAL.
14. ALL PENETRATIONS THROUGH THE STORM SHELTER ENVELOPE LARGER THAN 3 1/2 SQUARE INCHES OR 2 1/16 INCHES IN DIAMETER OR WIDTH SHALL BE PROTECTED AS SHOWN ON THE DETAILS ON S220. SIZE OF OPENINGS SHALL BE KEPT TO A MINIMUM SIZE AS REQUIRED TO ALLOW THE UTILITIES TO PASS THROUGH THE WALL OR ROOF. THE PIPE OR DUCT SHALL BE TURNED 90 DEGREES AS SOON AS THE UTILITY PENETRATES THE SHELTER ENVELOPE AR AS SHOWN ON THE MEP PLANS. IF SIZE, DIMENSION OR LOCATION OF OPENINGS IN THE SHELTER ENVELOPE AND PIPE AND DUCT SIZES CHANGE FROM THE INFORMATION SUPPLIED ON THE MEP DRAWINGS AND THE DETAILS ON S220, NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF RECORD PRIOR TO FABRICATION, ADDITIONAL CHANGES MAY BE REQUIRED.

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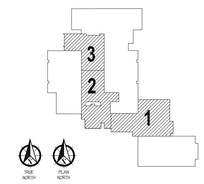
OKLA. C.A. #1460, EXP. 06/30/27

OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK 2025

PROJECT



KEY PLAN

1	ADD #2	03/17/26
2	ADD #3	03/26/26

REVISIONS

11.25.25

ISSUE DATE

251001 | PROJECT NO
TBS | DRAWN BY
DCM | CHKD BY

PRECAST PANEL ELEVATIONS

S007

SHEET TITLE

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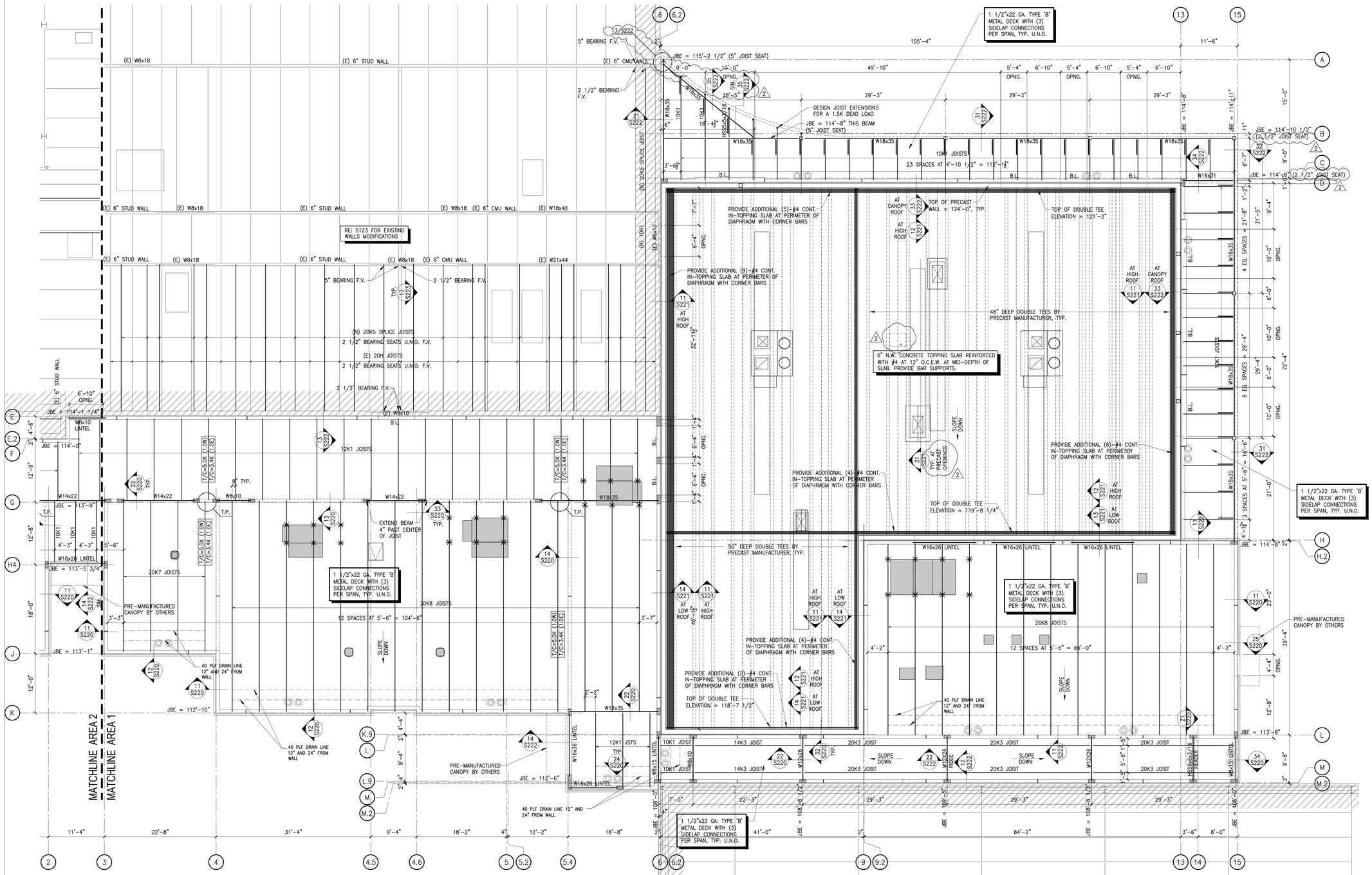

PLAN NOTES:

1. RE: S001–S005 FOR GENERAL NOTES AND SCHEDULES.
2. RE: S006–S007 FOR GENERAL INFORMATION REGARDING SHELTER.
3. PROVIDE 2 1/2" JOIST SEATS AT K-SERIES JOISTS U.N.O. RE: PLAN.
4. DESIGN ALL JOISTS FOR PUBLISHED UNIFORM GRAVITY LOADS IN ADDITION TO ANY POINT LOADS, SEAT ROLLOVER FORCES, AND/OR ADDITIONAL UNIFORM LOADS SHOWN ON PLAN OR DETAILS.
5. RE: RTU AND ROOF OPENING DETAIL ON S003 FOR ANGLE FRAME SUPPORTS AT RTU's.
6. JOIST MANUFACTURER: DESIGN JOISTS FOR POINT LOAD FROM ROOF DRAIN PIPE. RE: STEEL JOIST NOTE 5 ON S001 FOR DRAIN LINE SERVICE LOAD. RE: MECHANICAL FOR LOCATIONS.
7. JOIST MANUFACTURER: T/C = ____ INDICATES A TENSION OR COMPRESSION LOAD IN THE TOP CHORD OF THE JOIST DUE TO WIND OR SEISMIC LOADS. A 1/3 STRESS INCREASE IS NOT ALLOWED. LOAD = xxK/P/xxK/P = 1.0W/1.0E.
8. RE: 31/S220 FOR BRACING AT TOP OF INTERIOR MASONRY PARTITION WALLS..
9. RE: ARCH FOR ROOF HATCH LOCATION
10. FOR MECH., ELEC., PLUMBING OPENINGS IN CMU GREATER THAN 8" WIDE, REINFORCING SHALL BE PROVIDED PER LINTEL AND JAMB SCHEDULE ON S004. OPENINGS IN CMU SHALL AVOID DISRUPTING WALL REINFORCING. IF OPENING CANNOT BE LOCATED TO AVOID WALL REINFORCING, CONTACT THE ENGINEER OF RECORD TO DETERMINE WHAT SHOULD BE DONE.
11. "T.P." INDICATES "TIE PLATE, RE: 15/S222 FOR SIZE AND WELDS.
12. JOIST MANUFACTURER NOTE: DESIGN JOIST FOR 1.0K DEAD GRAVITY LOAD AT EACH ✳.
13. JOIST MANUFACTURER NOTE: DESIGN JOIST FOR ±0.4K (1.0W) LOAD AT EACH ✳.
14. JOIST MANUFACTURER NOTE: ALL WIND/SEISMIC LOADS ARE 1.0W/1.0E U.N.O.

ROOF FRAMING PLAN – AREA 1
SCALE: 1/8" = 1'-0"

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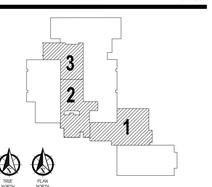
OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS
OWASSO, OK
2025
PROJECT



KEY PLAN

2 ADD #3 03/26/26

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11.25.25
ISSUE DATE

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ROOF FRAMING PLAN AREA 1

S121
SHEET TITLE

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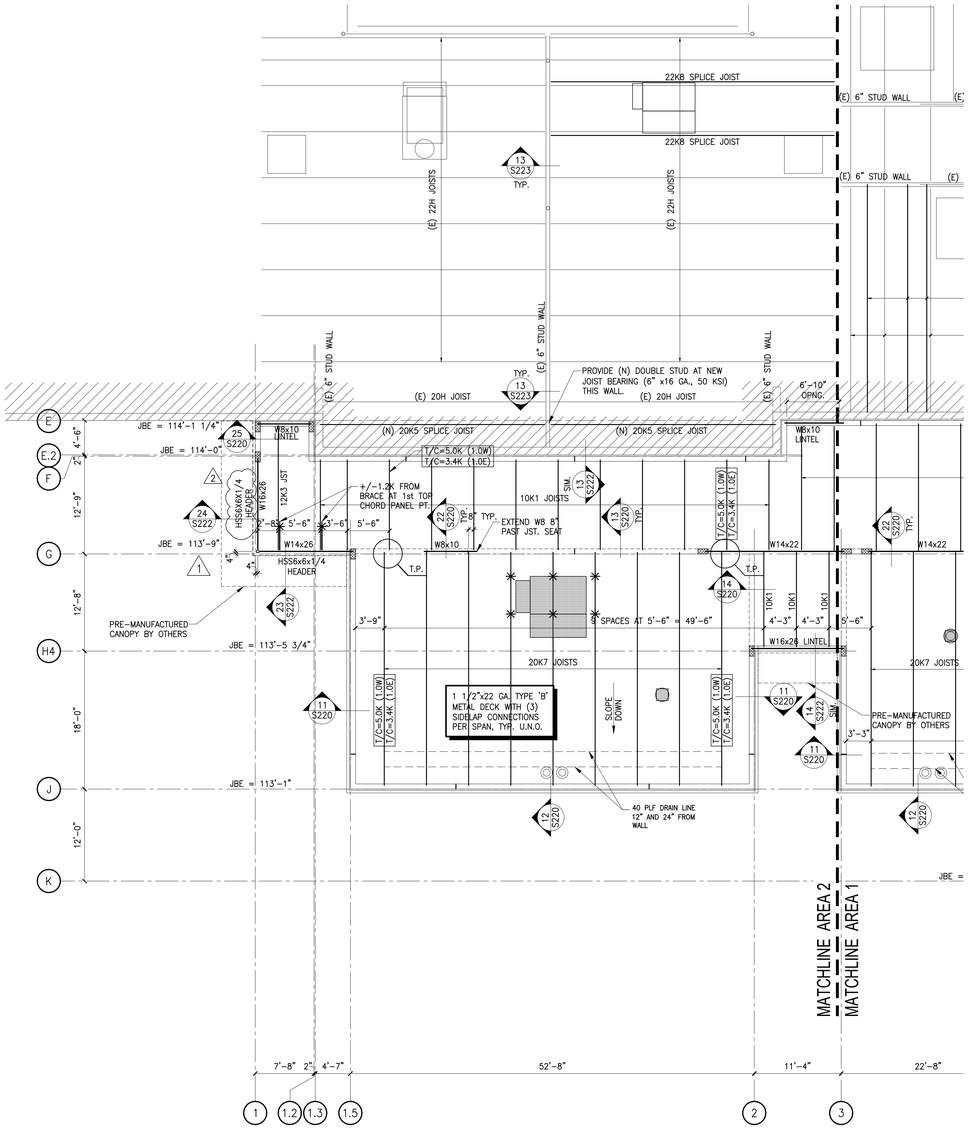

PLAN NOTES:

1. RE: S001–S005 FOR GENERAL NOTES AND SCHEDULES.
2. RE: S006–S007 FOR GENERAL INFORMATION REGARDING SHELTER.
3. PROVIDE 2 1/2" JOIST SEATS AT K-SERIES JOISTS U.N.O. RE: PLAN.
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5. RE: RTU AND ROOF OPENING DETAIL ON S003 FOR ANGLE FRAME SUPPORTS AT RTU's.
6. JOIST MANUFACTURER: DESIGN JOISTS FOR POINT LOAD FROM ROOF DRAIN PIPE.
   RE: STEEL JOIST NOTE 5 ON S001 FOR DRAIN LINE SERVICE LOAD. RE: MECHANICAL FOR LOCATIONS.
7. JOIST MANUFACTURER:
   T/C = ( ) INDICATES A TENSION OR COMPRESSION LOAD IN THE TOP CHORD OF THE JOIST DUE TO WIND OR SEISMIC LOADS. A 1/3 STRESS INCREASE IS NOT ALLOWED. LOAD = xxKIP/xxKIP = 1.0W/1.0E.
8. RE: 31/S220 FOR BRACING AT TOP OF INTERIOR MASONRY PARTITION WALLS..
9. RE: ARCH FOR ROOF HATCH LOCATION
10. FOR MECH., ELEC., PLUMBING OPENINGS IN CMU GREATER THAN 8" WIDE, REINFORCING SHALL BE PROVIDED PER LINTEL AND JAMB SCHEDULE ON S004. OPENINGS IN CMU SHALL AVOID DISRUPTING WALL REINFORCING. IF OPENING CANNOT BE LOCATED TO AVOID WALL REINFORCING, CONTACT THE ENGINEER OF RECORD TO DETERMINE WHAT SHOULD BE DONE.
11. "T.P." INDICATES TIE PLATE, RE: 15/S222 FOR SIZE AND WELDS.
12. JOIST MANUFACTURER NOTE: DESIGN JOIST FOR 1.0K DEAD GRAVITY LOAD AT EACH ✳.
13. JOIST MANUFACTURER NOTE: DESIGN JOIST FOR ±0.4K (1.0W) LOAD AT EACH ✳.
14. JOIST MANUFACTURER NOTE: ALL WIND/SEISMIC LOADS ARE 1.0W/1.0E U.N.O.

ROOF FRAMING PLAN – AREA 2
SCALE: 1/8" = 1'-0"

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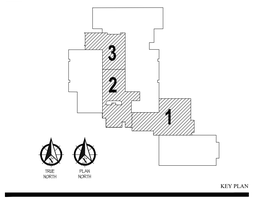
OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK 2025
PROJECT



KEY PLAN

1	ADD #2	03/17/26
2	ADD #3	03/26/26

REVISIONS

11.25.25
ISSUE DATE

251001 | PROJECT NO
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ROOF FRAMING PLAN AREA 2

S122
SHEET TITLE

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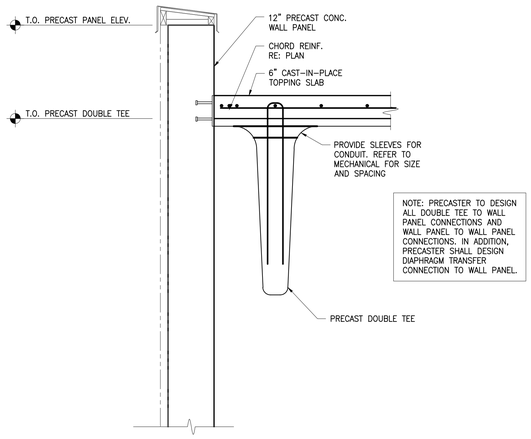
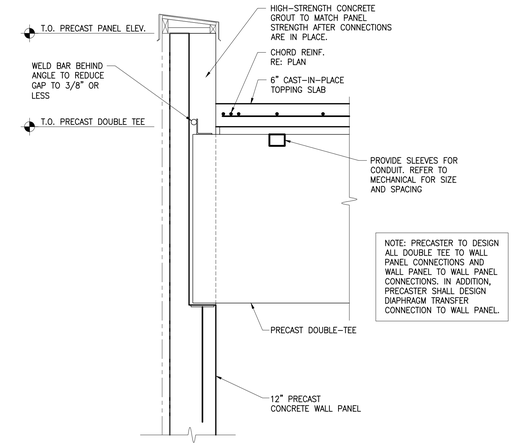
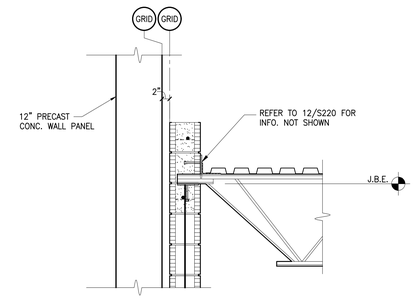


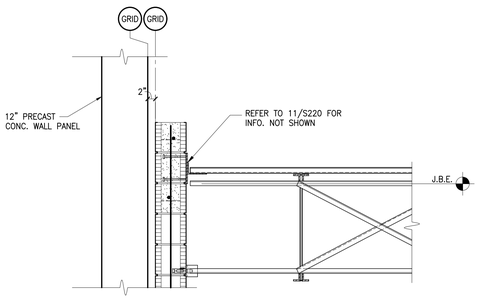
11 DOUBLE-TEE SECTION AT SIDE WALL
3/4" = 1'-0"



12 SECTION AT EXTERIOR BEARING WALL
3/4" = 1'-0"



13 ROOF FRAMING DETAIL
3/4" = 1'-0"

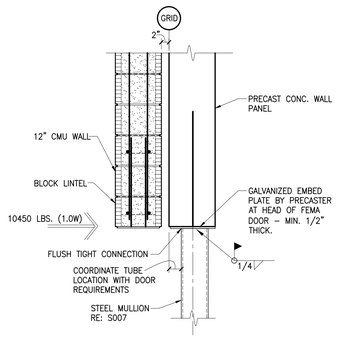


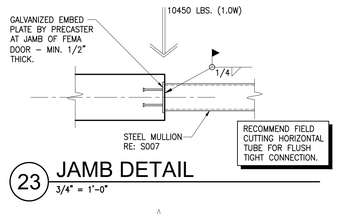
14 ROOF FRAMING DETAIL
3/4" = 1'-0"

21 OPENING PROTECTION FOR MECHANICAL OPENING IN VERTICAL WALL
3/4" = 1'-0"

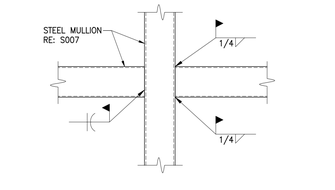
HEIGHT OF OPENING	DEPTH TO PROTECTION "D" MAX.	LENGTH OF PROTECTION "L"
2"	8"	1'-0"
4"	10"	1'-6"
6"	12"	2'-3"
8"	14"	2'-9"
10"	15"	3'-7"
12"	16"	4'-6"

22 HEAD DETAIL
3/4" = 1'-0"





23 JAMB DETAIL
3/4" = 1'-0"



24 INTERSECTION
3/4" = 1'-0"

WIDTH OF OPENING 'W' MAX.	DT DEPTH 'D' MAX.	LENGTH OF PROTECTION 'L'
16"	50"	10'-0"
34"	50"	20'-0"
40"	50"	24'-0"
2 4"	48"	3'-0"
34.5"	48"	20'-0"
50"	48"	30'-0"

31 RTU OPENING DETAIL
3/4" = 1'-0"

32 RTU OPENING DETAIL
3/4" = 1'-0"

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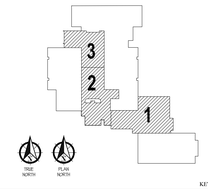
OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK 2025
PROJECT



KEY PLAN

2	ADD #3	03/26/26

REVISIONS

11.25.25
ISSUE DATE

251001 | PROJECT NO
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DCM | CHK'D BY

ROOF FRAMING DETAILS

S221
SHEET TITLE

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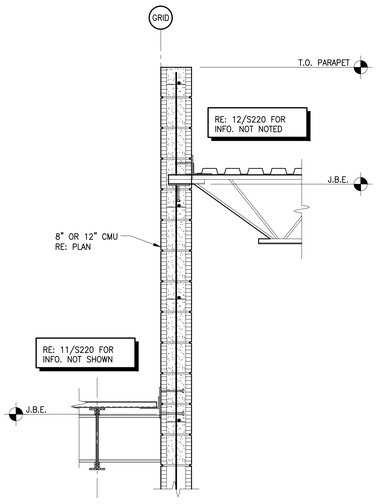
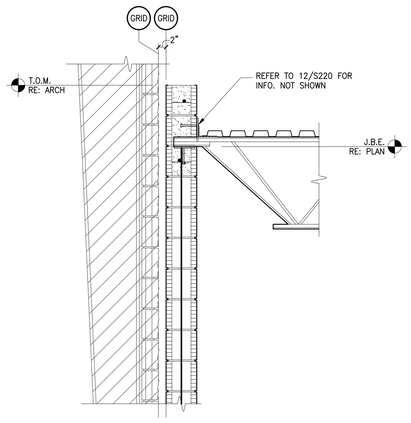
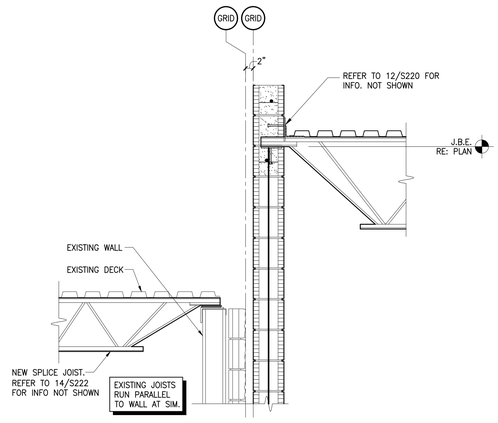


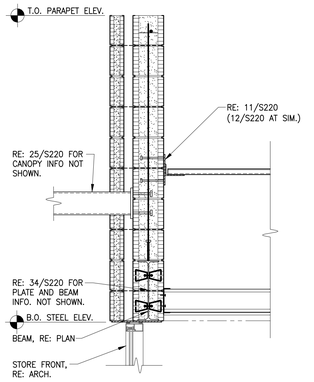
11 ROOF FRAMING DETAIL
3/4" = 1'-0"



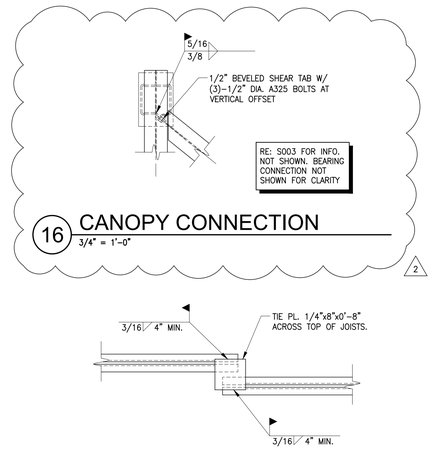
12 SECTION AT EXISTING
3/4" = 1'-0"



13 SECTION AT EXISTING
3/4" = 1'-0"



14 FRAMING DETAIL
3/4" = 1'-0"



16 CANOPY CONNECTION
3/4" = 1'-0"

15 TIE PLATE CONNECTION DTL.
3/4" = 1'-0"

21 CANOPY FRAMING DETAIL
3/4" = 1'-0"

22 JOIST/BEAM SECTION AT RIDGE
3/4" = 1'-0"

23 ENTRY SECTION
3/4" = 1'-0"

24 ENTRY SECTION
3/4" = 1'-0"

31 CANOPY FRAMING DETAIL
3/4" = 1'-0"

32 CANOPY FRAMING DETAIL
3/4" = 1'-0"

33 CANOPY FRAMING DETAIL
3/4" = 1'-0"

34 CANOPY FRAMING DETAIL
3/4" = 1'-0"

35 CANOPY FRAMING DETAIL
3/4" = 1'-0"

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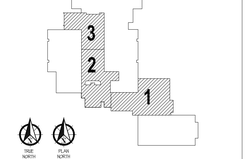
OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS
OWASSO, OK
2025
PROJECT



KEY PLAN

2	ADD #3	03/26/26

REVISIONS

11.25.25
ISSUE DATE

25/10001 | PROJECT NO
TBS | DRAWN BY
DCM | CHK'D BY

ROOF FRAMING DETAILS

S222
SHEET TITLE

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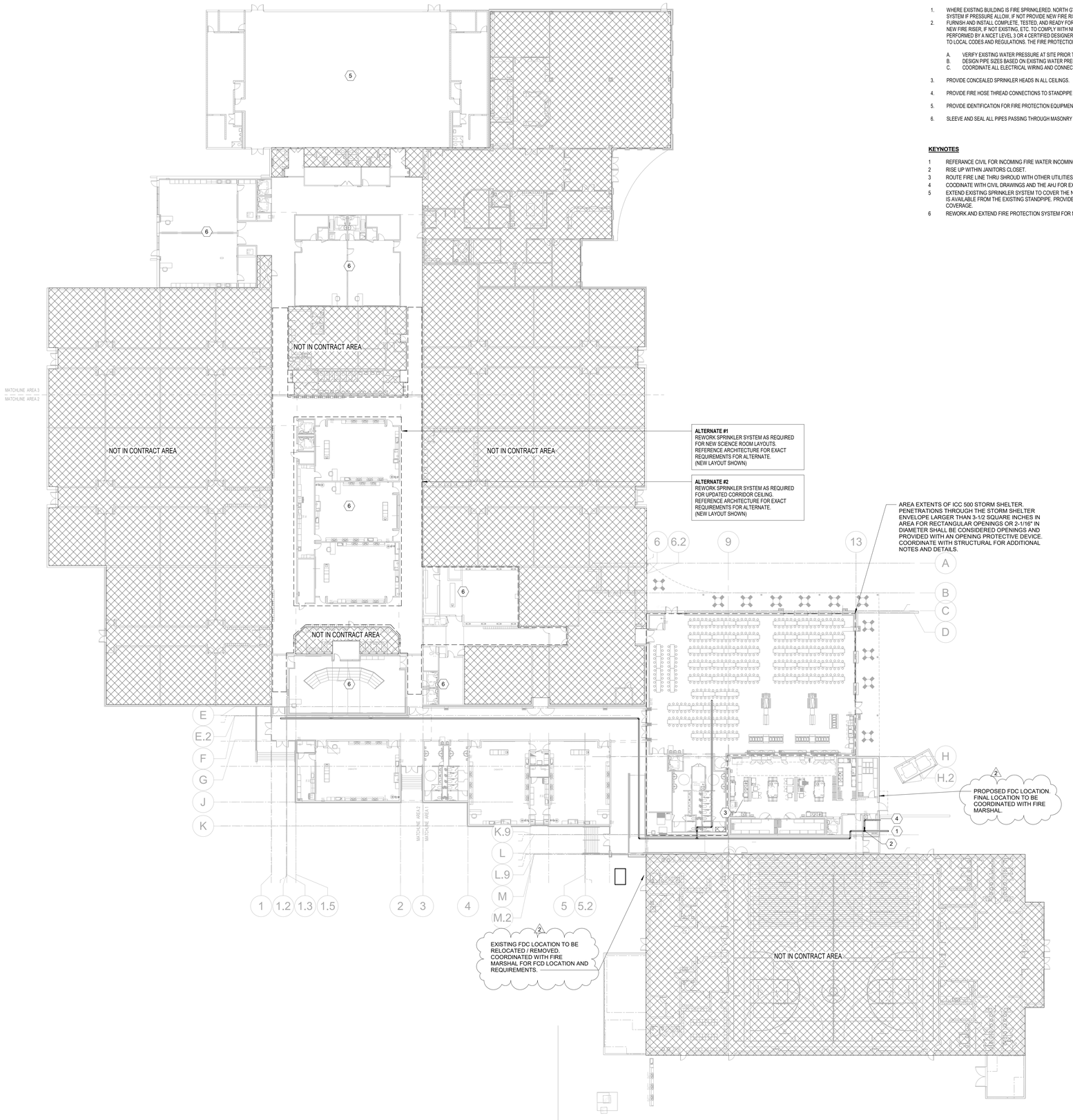

1 OVERALL FIRE PLAN
3/64" = 1'-0"

FIRE SUPPRESSION GENERAL NOTES:

1. WHERE EXISTING BUILDING IS FIRE SPRINKLERED. NORTH GYM SHALL BE FIRE SPRINKLERED BY CONNECTING TO EXISTING FIRE SPRINKLER SYSTEM IF PRESSURE ALLOW. IF NOT PROVIDE NEW FIRE RISER IN SCHOOL APPROVED LOCATION.
2. FURNISH AND INSTALL COMPLETE, TESTED, AND READY FOR USE. WET PIPE AUTOMATIC SPRINKLER SYSTEM INSIDE NEW BUILDING. PROVIDE NEW FIRE RISER, IF NOT EXISTING, ETC. TO COMPLY WITH NFPA 13 AND ALL APPLICABLE LOCAL CODES. THE DESIGN OF THE SYSTEM SHALL BE PERFORMED BY A NICET LEVEL 3 OR 4 CERTIFIED DESIGNER. THE FIRE PROTECTION CONTRACTOR SHALL ENSURE THAT ALL WORK CONFORMS TO LOCAL CODES AND REGULATIONS. THE FIRE PROTECTION CONTRACTOR SHALL:
   A. VERIFY EXISTING WATER PRESSURE AT SITE PRIOR TO BIDDING.
   B. DESIGN PIPE SIZES BASED ON EXISTING WATER PRESSURE.
   C. COORDINATE ALL ELECTRICAL WIRING AND CONNECTIONS TO PUMPS, VALVES, TAMPER SWITCHES, FLOW SWITCHES, ALARMS, ETC.
3. PROVIDE CONCEALED SPRINKLER HEADS IN ALL CEILINGS.
4. PROVIDE FIRE HOSE THREAD CONNECTIONS TO STANDPIPE APPROVED AND COMPATIBLE WITH AHJ FIRE DEPARTMENT.
5. PROVIDE IDENTIFICATION FOR FIRE PROTECTION EQUIPMENT AND ROOMS PER IFC 509.1.
6. SLEEVE AND SEAL ALL PIPES PASSING THROUGH MASONRY WALLS , FOOTINGS, OR FOUNDATIONS. TYPICAL THROUGHOUT.

KEYNOTES

1 REFERANCE CIVIL FOR INCOMING FIRE WATER INCOMING LINE.
2 RISE UP WITHIN JANITORS CLOSET.
3 ROUTE FIRE LINE THRU SHROUD WITH OTHER UTILITIES WHEN ENTERING STORM SHELTER, REFERENCE STRUCTURAL DRAWINGS.
4 COODINATE WITH CIVIL DRAWINGS AND THE AHJ FOR EXACT REQUIRED LOCATION OF FDC.
5 EXTEND EXISTING SPRINKLER SYSTEM TO COVER THE NORTH GYM. VERIFY IN FIELD EXACT CONNECTION POINT, AND WATER DEMAND IS AVAILABLE FROM THE EXISTING STANDPIPE. PROVIDE ANY CHANGES TO THE EXISTING SYSTEM REQUIRED IN ORDER TO PROVIDE COVERAGE.
6 REWORK AND EXTEND FIRE PROTECTION SYSTEM FOR NEW CEILINGS AS REQUIRED. (TYP.)

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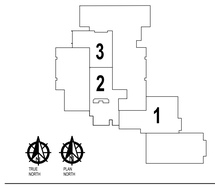
OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK 2025

PROJECT



KEY PLAN

NO.	DESCRIPTION	DATE
2	ADDENDUM 03	03/26/26

REVISIONS

11/25/2025 ISSUE DATE

2407 PROJECT NO
JLB/AH DRAWN BY
RL CHK'D BY

FIRE PROTECTION PLAN

FP100

SHEET TITLE

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WATER HEATER SCHEDULE

MARK	MANUFACTURER	MODEL	DESCRIPTION	RECOVERY @ 100/60 F RISE (GPH)	STORAGE (GAL)	FUEL	COMBUSTION VENT SIZE	ELECTRICAL		INSTALLATION LOCATION	RECIRC. PUMP	Comments
								MOCP	VOLTAGE / PHASE			
WH-1	A.O. Smith	BTHL-199A	Commercial Gas Water Heaters	230 / 384	250	Natural Gas	4"	15A	120V / 1PH	PAD	Yes	1-3
WH-2	A.O. Smith	BTHL-199A	Commercial Gas Water Heaters	230 / 384	250	Natural Gas	4"	15A	120V / 1PH	PAD	Yes	1-3
WH-3	A.O. Smith	BTHL-150A	Commercial Gas Water Heaters	175 / 291	250	Natural Gas	4"	15A	120V / 1PH	PAD	Yes	1,2,4

NOTES:

1. DIRECT VENT GAS WATER HEATER, INSTALL COMBUSTION AIR PIPES THRU ROOF WITH MFR. FURNISHED COMBUSTION AIR PIPE KIT. INCREASE COMBUSTION AIR PIPES SIZE AS REQ'D PER MFR. REQUIREMENTS. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
2. STORE HOT WATER TEMPERATURE AT 140F. IN WATER HEATER, SUPPLY TEMPERATURE OF 110F. WITH ASSE 1017 MIXING VALVE. PROVIDE HIGH-LOW 2-STAGE MIXING VALVE MODEL W.H. UNITS.
3. PROVIDE WITH 16.6 GALLON EXPANSION TANK (AMTROL ST-30C-DD OR EQAUL), RECIRCULATION PUMP (B&G MODEL ECORCIRC 20-18 (7.2-122 WATTS) MOUNT PUMP LESS THAN 5 FEET AFF). AQUASTAT, SHUT OFF VALVES, CHECK VALVE, HEAT TRAPS, AND DRAIN PAN. PIPING DRAIN AND T&P SHALL BE ROUTED FULL SIZE TO NEAREST ACCEPTABLE DRAIN RECEPTOR. PROVIDE WITH MINIMUM 4" HOUSEKEEPING PAD.
4. PROVIDE WITH 8.6 GALLON EXPANSION TANK (AMTROL ST-20C-DD OR EQAUL), RECIRCULATION PUMP (B&G MODEL ECORCIRC 20-18 (7.2-122 WATTS) MOUNT PUMP LESS THAN 5 FEET AFF). AQUASTAT, SHUT OFF VALVES, CHECK VALVE, HEAT TRAPS, AND DRAIN PAN. PIPING DRAIN AND T&P SHALL BE ROUTED FULL SIZE TO NEAREST ACCEPTABLE DRAIN RECEPTOR. PROVIDE WITH MINIMUM 4" HOUSEKEEPING PAD.

Plumbing Fixture Schedule

Type Mark	Type	Manufacturer	Model	Domestic		Waste (IN.)	Vent (IN.)	Description
				Cold Water (IN.)	Hot Water (IN.)			
3" FCO	Floor Clean Out	Watts	CO-1203-R					See Plans For Size. Adjustable Floor Cleanout, 5" Round Stainless Steel Top
3" WCO	Wall Clean Out	Watts	CO-453-RD					See Plans For Size. Wall Clean Out With Stainless Steel Cover
AWT-1	Acid Neutralization Tank	Orion	53"x36" Tank	0"	0"	4"	3"	Acid Neutralization Tank, Coordinate Final Elevations /Installation Of Inlet/Outlet And Vent. Inlet To Be Provided W/ Dip Tube. Tank To Be Provided With Extension As Required To Mount At Grade. Installation To Meet Manufacturer's Recommendations For Below Grade Mounting.
EW-1	Emergency Shower and Eye / Face Wash	Haws	8309	3/4"	3/4"	0"	0"	Indirect Waste, Pedestal Eye Wash/ Shower Station. Provide Thermostatic Mixing Valve Model 9201E AXION Emergency Tempering Valve. Extend 1-1/4" Tepid water line to fixture, 20 gpm @ 70F.
EWC-1	Electric Water Cooler - Dual Height	Elkay	EZOOTL8WSLK	1/2"		2"	2"	Water Cooler - Bottle Filling Station with Bi-Level ADA Cooler, Non Filtered Refrigerated
EWC-2	Electric Water Cooler - Dual Height	Elkay	EZS8WSSK	1/2"		2"	2"	Water Cooler - Bottle Filling Station, Non Filtered Refrigerated
FD-1	Square Strainer - Nickel Bronze	Watts	FD-100-M			3"	2"	Epoxy Coated Cast Iron Floor Drain With Anchor Flange, Reversible Clamping Collar With Primary And Secondary Weepholes, Adjustable Square Heel Proof Nickle Bronze Strainer, And No Hub Outlet. Provide with Proset trap guard.
FD-2	Round Strainer - Nickel Bronze	Watts	FD-100-A			3"	2"	Epoxy Coated Cast Iron Floor Drain With Anchor Flange, Reversible Clamping Collar With Primary And Secondary Weepholes, Adjustable Round Heel Proof Nickle Bronze Strainer, And No Hub Outlet. Provide with Proset trap guard.
FD-3	Square Strainer - Nickel Bronze	Watts	FD-100-M			4"	2"	Epoxy Coated Cast Iron Floor Drain With Anchor Flange, Reversible Clamping Collar With Primary And Secondary Weepholes, Adjustable Square Heel Proof Nickle Bronze Strainer, And No Hub Outlet. Provide with Proset trap guard.
FPHB	Hose Bibb, Non Frreze	Woodford	67	3/4"	3/4"			Non-Freeze Type Wall Hydrant, With Double Check Backflow Preventer, Valve On The Inside Of The Wall, Spout With Backflow Preventer, And Loose Key Socket On The Outside Of The Wall. Make Arrangements With The General Contractor To Provide The Necessary Recess In The Wall. Where A Riser To A Wall Hydrant Occurs In An Outside Wall The Contractor Shall Insulate The Chase With 2" Styrofoam Insulation On All Sides Of The Chase, Except The Inside Wall Of The Chase. Provide Shutoff Valve In Accessible Location.
FS-1	12" Square x 8" Deep - Stainless Grate	Watts	FS-790			3"	2"	12" Square X 8" Deep 14 Gauge Type 304 Stainless Steel Sanitary Floor Sink With Loose Set Cast Stainless Steel 3/4 Grate, Dome Bottom Strainer, And No Hub Outlet. Provide with Proset trap guard
FS-2	12" Square x 8" Deep - Stainless Grate	Watts	FS-790			3"	2"	12" Square X 8" Deep 14 Gauge Type 304 Stainless Steel Sanitary Floor Sink With Loose Set Cast Stainless Steel 3/4 Grate, Dome Bottom Strainer, And No Hub Outlet. Provide with Proset trap guard. Provide with Sediment Bucket.
GT-1	Grease Trap	Hausner	1,000			4"	3"	Gravity Grease Interceptor, Install per Manufacturer. Provide Traffic Rated Cover and Extension as Required.
HS-1	Lab Sink	(by others)	(by others)	1/2"	1/2"	2"	2"	Lab Sink Provided By Science Equipment Vendor.
HS-4	Lab Sink	(by others)	(by others)	1/2"	1/2"	2"	2"	Lab Sink Provided By Science Equipment Vendor.
HS-5	Art Sink	Elkay	LRAD221955	1/2"	1/2"	2"	2"	Single Compartment, Ada Compliant, Self-Rimming, 18 Gauge. Elkay LKF413945RS Singlel Lever 45 deg. Swivel Faucet With High Arc Spout. One Elkay Model No. Lk35 Basket Strainer, P-Trap, Tailpieces, Supplies And Stops. Insulate Water And Waste To Meet Ada Requirements. Provide plaster trap at Mud Room 1212, Art Rooms 3101 & 3105. Coordinate plaster trap installation with bottom of cabinet to accommodate height of unit as req'd.
HS-6	Lab Sink	(by others)	(by others)	1/2"	1/2"	2"	2"	Lab Sink Provided By Science Equipment Vendor.
HS-7	Lab Sink	(by others)	(by others)	1/2"	1/2"	2"	2"	Lab Sink Provided By Science Equipment Vendor.
HS-8	Lab Sink	(by others)	(by others)	1/2"	1/2"	2"	2"	Lab Sink Provided By Science Equipment Vendor.
HS-9	Lab Sink	(by others)	(by others)	1/2"	1/2"	2"	2"	Lab Sink Provided By Science Equipment Vendor.
LAV-1	Wall Hung Lavatory - ADA	Acorn	Ellipse ELPS1	1/2"	1/2"	2"	2"	Ellipse Stainless Steel, Wall-Mounted Trough Sink, With Accessory SW000-F70 Push Button Metering Faucet, One Station Provide Quarter Turn Water Supply Shut-Off Valves, Asse 1070 Mixing Valve, Hangers and Mounting Accessories, Truebro 2 Lav Guards, And P-Trap. Install According to Ada Standards.
LAV-2	Wall Hung Lavatory - ADA - Sharable	Acorn	Ellipse ELPS2	1/2"	1/2"	2"	2"	Ellipse Stainless Steel, Wall-Mounted Trough Sink, Two Station, With Accessory SW000-F70 Push Button Metering Faucet, One Station Provide Quarter Turn Water Supply Shut-Off Valves, Asse 1070 Mixing Valve, Hangers and Mounting Accessories, Truebro 2 Lav Guards, And P-Trap. Install According to Ada Standards.
MS-1	Janitor Sink	Fiat	MSB-2424	3/4"	3/4"	3"	2"	Service Basin With Cap On Two Sides, With Chrome Plated 3" Drain And Cast Iron Trap. T&S Model B-0665-BSTR Faucet, Pail Hook And Atmospheric Vacuum Breaker Spout. Furnish 5'-0" Length Of 5-Ply Garden Hose And Fittings.
OB-1	Ice Maker Box	Sioux Chief	696-Rg1010Mf	1/2"				Outlet Box
ORD-1	Overflow, With External 2" High Water Dam	Wade	3000					Painted cast iron secondary roof drain with flange, combination membrane flashing clamp / gravel guard, medium insulated sump body, cast iron dome and bottom outlet. Provide with 2" dam
RD-1	Roof Drain	Wade	3000					Painted cast iron primary roof drain with flange, combination membrane flashing clamp / gravel guard, medium insulated sump body, cast iron dome and bottom outlet
RH-1	Roof Hydrant - Non-Freeze	Woodford	SRH-MS	1"				Freezeless Roof Hydrant, With ASSE 1052 Double Check Backflow Preventer, Valve On The Inside Of The Roof, Hose Connection With Backflow Preventer, And Lever Handle. All Exposed Parts Shall Be Painted. Make Arrangements With The General Contractor To Provide The Necessary Support On Roof. Provide Shutoff Valve In Accessible Location.
SH-1	Shower - ADA	(by others)	By Others	1/2"	1/2"	2"	2"	Shower Stall – ADA. – Coordinate with architectural for requirements. Provide ADA compliant Zurn model Z7500-DV-HW - Two Way Diverter with ASSE 1016 Compliant Thermostatic / Pressure Balancing Combination Mixing Valve including 2 GPM flow control, Hand Shower System 24" mounting bar and 60" Flexible Metal Hose, and shower pan with drain.
UR-1	Urinal - Standard	American Standard	Washbrook	3/4"		2"	2"	Wall Hung Urinal With Washout Action, Top Spud, Size 18" With Integral Extended Shields Supported By Through Going Bolts And C.P. Nuts. Manual Activated Flushometer.
UR-2	Urinal - ADA	American Standard	Washbrook	3/4"		2"	2"	Wall Hung Urinal With Washout Action, Top Spud, Size 18" With Integral Extended Shields Supported By Through Going Bolts And C.P. Nuts. Manual Activated Flushometer. Install At Ada Compliant Height.
WC-1	Water Closet - Flush Valve	American Standard	Afwall	1"		4"	2"	Elongated Wall Hung Water Closet, 1-1/2" Top Spud, With Church 295Ct 047 (Black) Elongated Open Front Seat. Sloan Manual Activated Flushometer.
WC-2	Water Closet - Flush Valve - ADA	American Standard	Afwall	1"		4"	2"	Elongated Wall Hung Water Closet, 1-1/2" Top Spud, With Church 295Ct 047 (Black) Elongated Open Front Seat. Sloan Manual Activated Flushometer.
WC-3	Water Closet - Flush Valve - ADA	American Standard	Madera	1"		4"	2"	Elongated Floor Mounted Water Closet, 1-1/2" Top Spud, With Church 295Ct 047 (Black) Elongated Open Front Seat. Sloan Manual Activated Flushometer.

NOTES:

1. EQUIPMENT DESIRED BY THE CONTRACTOR THAT DEVIATES FROM THIS SCHEDULE SHALL BE SUBJECTED TO ARCHITECT AND ENGINEER APPROVAL OF CONTRACTOR SUBMITTALS.
2. CONTRACTOR TO VERIFY MOUNTING HEIGHT OF ALL FIXTURES W/ ARCHITECT PRIOR TO INSTALLATION.
3. COORDINATE FINAL COLOR SELECTION WITH ARCHITECT PRIOR TO RELEASING ORDER.
4. INSTALL S.O. VALVE IN ACCESSIBLE LOCATION. COORD. INSTALLATION OF ACCESS PANEL WITH G.C. AS REQ'D.
5. INSTALL ASSE 1070 MIXING VALVE FOR ALL LAVATORIES AND HAND SINKS, SET SUPPLY TEMPERATURE TO 105 F.
6. INSTALL ASSE 1016 MIXING VALVE TO SHOWER, SET SUPPLY TEMPERATURE TO 105 F.

Kitchen Fixture Schedule

Type Mark	Manufacturer	Model	CW	HW	FW	WASTE	VENT	INDIRECT WASTE	Description
KE-7	By Others	By Others	1/2"	1/2"		(2) 2"		YES	Commercial Prep Sink provided by kitchen vendor, installed by plumbing contractor.
KE-9	By Others	By Others	1/2"	1/2"		2"		YES	Commercial Prep Sink provided by kitchen vendor, installed by plumbing contractor.
KE-13	By Others	By Others			1/2"	1/2" & 3/4"		YES	Provided by kitchen vendor, installed by plumbing contractor.
KE-18	By Others	By Others			1/2"	1/2" & 3/4"		YES	Ice Maker provided by kitchen vendor, installed by plumbing contractor.
KE-19	By Others	By Others	1/2"	1/2"		2"	1-1/2"	NO	Hand Sink - Provide with thermostatic mixing valve equivalent to Watts LFUSG-B. Provide run-out piping and shut-off valves. Insulate all water pipes, locate rough-in at 24" AFF.
KE-23	By Others	By Others	1/2"	1/2"					Braising Pan - provided by kitchen vendor, connections by plumbing contractor.
KE-24	Eagle Group	Cool Trough - WTFT-2424-SG	1"			4"	2"	NO	Cool Trough - Locate per kitchen vendors drawings, install per manufacturer's recommendations.
KE-25	By Others	By Others	1/2"		0"	1"		YES	Steamers - provided by kitchen vendor, connections by plumbing contractor.
KE-26	By Others	By Others	1/2"	1/2"		2"	1-1/2"		Provided by kitchen vendor, installed by plumbing contractor.
KE-29	By Others	By Others			1/2"				Hot Water Dispenser - provided by kitchen vendor, connections by plumbing contractor.
KE-53	By Others	By Others	3/4"	3/4"		2"		YES	Commercial Drain Sink - provided by kitchen vendor, installed by plumbing contractor.
KE-55	By Others	By Others	1/2"	1/2"		2"		YES	Dishwashing Machine - provided by kitchen vendor, installed by plumbing contractor.
KE-58	By Others	By Others	3/4"	3/4"		(3) 2"		YES	Provided by kitchen vendor, installed by plumbing contractor.

NOTES:

1. REFERANCE KITCHEN VENDOR DRAWINGS FOR EXACT LOCATIONS OF INSTALLED EQUIPMENT.
2. EQUIPMENT DESIRED BY THE CONTRACTOR THAT DEVIATES FROM THIS SCHEDULE SHALL BE SUBJECT TO A&E SUBMITTAL REVIEW PROCESS.
3. INSTALL S.O. VALVE IN ACCESSIBLE LOCATION. COORD. INSTALLATION OF ACCESS PANEL WITH G.C. AS REQ'D.
4. INSTALL ASSE 1070 MIXING VALVE FOR ALL LAVATORIES AND HAND SINKS, SET SUPPLY TEMPERATURE TO 105 F.

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OWASSO 8th GRADE ADDITION

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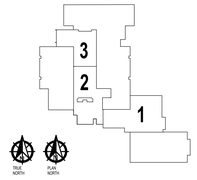

KEY PLAN

NO.	DESCRIPTION	DATE
2	ADDENDUM 03	03/26/26

REVISIONS

11/25/2025
ISSUE DATE

2407 | PROJECT NO
JLB/AH | DRAWN BY
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PLUMBING SCHEDULES

P400

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Split System Schedule

Identity	Manufacturer	Model	Installation Type	Nominal Capacity	Min Cooling Capacity	Minimum Efficiency	Refrigerant Type	Electrical				Product Weight
								Voltage	Phase	MCA	MOCP	
AC-1	LG	KNUAB181A	WALL	18000.0 Btu/h	3000.0 Btu/h	23 SEER2 / 13 EER2	R32	208 V	1			26.00 lbf
AC-2	LG	KNUAB181A	WALL	18000.0 Btu/h	3000.0 Btu/h	23 SEER2 / 13 EER2	R32	208 V	1			26.00 lbf
CU-1	LG	KUSAB181A	ROOF	18000.0 Btu/h	3000.0 Btu/h	23 SEER2 / 13 EER2	R32	208 V	1	19 A	30 A	128.00 lbf
CU-2	LG	KUSAB181A	ROOF	18000.0 Btu/h	3000.0 Btu/h	23 SEER2 / 13 EER2	R32	208 V	1	19 A	30 A	128.00 lbf

NOTES:

1. PROVIDE CONDENSING UNIT WITH 12" TALL SUPPORT FEET.
2. LOCATE UNIT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS FOR SERVICE AND AIRFLOW.
3. EXTERIOR UNIT TO PROVIDE POWER TO INTERIOR AHU.
4. PROVIDE CONDENSING UNIT WITH LOW AMBIENT WIND BAFFLES FOR LOW AMBIENT COOLING DOWN TO 0 F DEGREES.
5. PROVIDE CONDENSING UNIT WITH HAIL GUARDS.
6. PROVIDE WALL-MOUNTED CONTROLLER.
7. PROVIDE WITH CONDENSATE PUMP.
8. PROVIDE WITH BAS CONTROLS TO MONITOR EQUIPMENT. COORDINATE EXACT REQUIREMENT WITH AWARDED CONTROLS.
9. CONDENSING UNIT TO HAVE VARIABLE SPEED COMPRESSOR W/ AUTO RESTART.

HOOD SCHEDULE

MARK	MANUFACTURER	MODEL	SUPPLY			THROAT AREA (SQ. FT)	DAMPER	UNIT WEIGHT	Comments
			AIRFLOW (CFM)	ESP (IN WG)	NECK SIZE (IN)				
IH-1	Greenheck	FGI-32-50	5,100	0.05	32" x 50"	11	Backdraft	237	ALL
RH-1	Greenheck	FGI-32X50	5,100	0.051	32" x 50"	11	Backdraft	189	ALL
RH-2	Greenheck	FGI-16X32	1,550	0.049	16" X 32"	4	Backdraft	95	ALL
RH-3	Greenheck	GRSR-16	900	0.043	16"X16"	1	Backdraft	38	ALL

NOTES:

1. PROVIDE UNIT WITH CUSTOM HEIGHT ROOF CURB AS REQ'D. AT STORM SHELTER ROOF AREA TO ACCOUNT FOR TAPER INSULATION HEIGHT. FIELD COORD. FINAL INSTALLATION WITH CONTRACTOR & FIELD CONDITION. MAINTAIN CURB HEIGHT MINIMUM OF 8" ABOVE FINISHED ROOF.
2. PROVIDE UNIT WITH BIRD SCREEN & BACKDRAFT DAMPER.

RTU SCHEDULE

MARK	MANUFACTURER	MODEL	NOMINAL TONS	SUPPLY			OUTSIDE AIR (CFM)	EXHAUST (CFM)	EXHAUST	COOLING		HEATING		ELECTRICAL			UNIT WEIGHT	Comments
				AIRFLOW (CFM)	ESP (IN WG)	FAN SIZE (BHP)			FAN SIZE (BHP)	TOTAL CAPACITY (MBH)	SENSIBLE (MBH)	GAS INPUT (MBH)	CAPACITY (MBH)	MCA	MOCP	VOLTAGE/ PHASE		
RTU-4	Aaon, Inc.	RNA-007-A-A-3	7	2,500	1	1.05	425	0	0	73	59.3	150	121.5	17 A	25 A	480 V/3	1,500	1-11
RTU-5	Aaon, Inc.	RNA-006-A-A-3	6	2,250	1	1	425	0	0	65.1	53.4	90	72.9	16 A	25 A	480 V/3	1,400	1-11
RTU-13	Aaon, Inc.	RNA-010-A-A-3	10	2,500	1.2	1.42	1,300	1,300	0.2	110.9	78.0	210	170.1	26 A	35 A	480 V/3	1,900	ALL
RTU-14	Aaon, Inc.	RNA-013-B-A-3	13	3,200	1.2	1.65	1,725	1,300	0.2	156.3	106.9	292.5	236.9	37 A	45 A	480 V/3	2,600	ALL
RTU-27	Aaon, Inc.	RNA-010-A-A-3	10	2,500	1.2	1.42	1,300	1,300	0.18	110.9	78.0	210	170.1	26 A	35 A	480 V/3	1,900	ALL
RTU-28	Aaon, Inc.	RNA-013-B-A-3	13	3,400	1.2	1.85	1,450	1,225	0.14	153.8	107.4	292.5	236.9	37 A	45 A	480 V/3	2,400	1-12, 14
RTU-29	Aaon, Inc.	RNA-010-A-A-3	10	2,500	1.2	1.42	1,225	1,225	0.16	110.1	77.5	210	170.1	26 A	35 A	480 V/3	1,700	1-12, 14
RTU-30	Aaon, Inc.	RNA-013-B-A-3	13	3,200	1.2	1.66	1,500	1,225	0.16	158.3	105.3	292.5	236.9	37 A	45 A	480 V/3	2,400	1-12, 14
RTU-31	Aaon, Inc.	RNA-011-B-A-3	11	4,600	1.75	3.11	550	-	-	112.1	97.1	195	158	27 A	30 A	480 V/3	2,000	1-11
RTU-32	Aaon, Inc.	RNA-030-C-A-3	30	9,000	2	9.12	2,700	-	-	295.6	223.6	540	437.4	71 A	90 A	480 V/3	3,300	1-12
RTU-33	Aaon, Inc.	RNA-030-C-A-3	30	9,000	2	9.17	2,400	-	-	292.7	221.7	540	437.4	71 A	90 A	480 V/3	3,300	1-12

NOTES:

1. AAON TO BE PROVIDED AS SPECIFIED UNLESS PRIOR APPROVAL FROM SCHOOL.
2. PROVIDE WITH 18" ROOF CURB TO MATCH ROOF SLOPE. SEE DETAIL FOR ADDITIONAL INFORMATION.
3. PROVIDE UNIT WITH FACTORY MOUNTED CONTROLS AS REQUIRED TO INTERLOCK SPACE TEMPERATURE AND HUMIDITY SENSORS WITH AUTOMATIC BUILDING CONTROLS SYSTEM.
4. PROVIDE LOW LEAK COMPARATIVE ENTHALPY ECONOMIZER WITH FULLY MODULATING ACTUATOR.
5. PROVIDE POWERED EXHAUST FOR SPACE PRESSURE CONTROL AS SCHEDULED ABOVE.
6. PROVIDE FACTORY POWERED CONVENIENCE OUTLET, DISCONNECT, AND SCCR RATING OF 10 KAIC.
7. PROVIDE SINGLE POINT CONNECTION. PROVIDE UNIT AUTO SHUT-DOWN FUNCTION (INCLUDING RELAYS) FOR FIELD INTERLOCK OF DUCT MOUNTED FACTORY PROVIDED SMOKE DETECTORS AT RETURN.
8. PROVIDE 2" FILTER RACK AND MERV 8 FILTERS AND CLOGGED FILTER SWITCH. DO NOT RUN EQUIPMENT WITHOUT FILTERS IN PLACE. REPLACE FILTERS WITH NEW AT THE END OF CONSTRUCTION.
9. PROVIDE STAINLESS STEEL HEAT EXCHANGER WITH TURN DOWN.
10. PROVIDE UNIT WITH HAIL GUARDS AND HINGED ACCESS PANELS.
11. PROVIDE WITH 6 & 7 TON UNITS WITH TWO STAGES OF COOLING, 10 & 13 TON UNITS WITH VARIABLE CAPACITY COOLING, 11 TON UNIT WITH 5 STAGES OF COOLING, AND 30 TON UNITS VARIABLE CAPACITY COOLING.
12. PROVIDE WITH HOT GAS REHEAT.
13. PROVIDE WITH SIDE DISCHARGE CURB ADAPTER TO CONVERT DOWNFLOW RTU.
14. INTERLOCK OUTSIDE AIR CONTROL TO INCREASE PROPORTIONAL TO THE LAB HOOD EXHAUST FAN TO MAINTAIN NEUTRAL PRESSURE WITHIN THE CLASSROOM.

EXHAUST FAN SCHEDULE

MARK	MANUFACTURER	MODEL	AIR FLOW (CFM)	SP (in)	ELECTRICAL		MCA	MOCP	VOLTAGE / PHASE	WEIGHT (LBS)	Comments
					MOTOR HP	FLA					
EF-1	GREENHECK	SP-A90	50	0.25	-	0.2 A	0.2 A	15 A	120V / 1PH	12	2-5,7
EF-2	GREENHECK	SP-A90	70	0.25	-	0.2 A	0.2 A	15 A	120V / 1PH	12	2-5,7
EF-3	GREENHECK	CSP-A1050-VG	750	0.5	0.15	4.8 A	5.9 A	15 A	120V / 1PH	50	2-5,7
EF-4	GREENHECK	CUE-090-VG	450	0.5	1/10	1.5 A	1.9 A	15 A	120V / 1PH	50	1-5
EF-5	GREENHECK	CUE-090-VG	275	0.5	1/10	1.5 A	1.9 A	15 A	120V / 1PH	50	1-5
EF-6	GREENHECK	CUE-090-VG	450	0.5	1/10	1.5 A	1.9 A	15 A	120V / 1PH	50	1-5
EF-7	GREENHECK	G-095-VG	500	0.5	1/6	2.8 A	3.5 A	15 A	120V / 1PH	50	1-5
EF-8	GREENHECK	SP-A90	50	0.25	-	0.2 A	0.2 A	15 A	120V / 1PH	12	2-5,7
EF-9	GREENHECK	SP-A90	50	0.25	-	0.2 A	0.2 A	15 A	120V / 1PH	12	2-5,7
EF-10	GREENHECK	CUE-090-VG	275	0.5	1/10	1.5 A	1.9 A	15 A	120V / 1PH	50	1-5
EF-11	GREENHECK	CUE-090-VG	450	0.5	1/10	1.5 A	1.9 A	15 A	120V / 1PH	50	1-5
EF-12	GREENHECK	CUE-090-VG	450	0.5	1/10	1.5 A	1.9 A	15 A	120V / 1PH	50	1-6
EF-13	GREENHECK	CUE-090-VG	425	0.5	1/10	1.5 A	1.9 A	15 A	120V / 1PH	50	1-5
EF-14	GREENHECK	CUE-090-VG	450	0.5	1/10	1.5 A	1.9 A	15 A	120V / 1PH	50	1-6
EF-15	GREENHECK	CUE-090-VG	450	0.5	1/10	1.5 A	1.9 A	15 A	120V / 1PH	50	1-6
EF-16	GREENHECK	SP-A90	50	0.25	-	0.2 A	0.2 A	15 A	120V / 1PH	12	2-5,7
EF-17	GREENHECK	SP-A90	50	0.25	-	0.2 A	0.2 A	15 A	120V / 1PH	12	2-5,7
EF-18	GREENHECK	SP-A90	70	0.25	-	0.2 A	0.2 A	15 A	120V / 1PH	12	2-5,7
EF-19	GREENHECK	SP-A90	70	0.25	-	0.2 A	0.2 A	15 A	120V / 1PH	12	2-5,7
EF-20	GREENHECK	SP-A90	50	0.25	-	0.2 A	0.2 A	15 A	120V / 1PH	12	2-5,7
EF-21	GREENHECK	SP-A90	50	0.25	-	0.2 A	0.2 A	15 A	120V / 1PH	12	2-5,7
EF-22	GREENHECK	CSP-A700-VG	450	0.25	0.07	4.1 A	5.1 A	15 A	120V / 1PH	39	2-4, 8
EF-23	GREENHECK	CSP-A700-VG	450	0.25	0.07	4.1 A	5.1 A	15 A	120V / 1PH	39	2-4, 8

NOTES:

1. PROVIDE UNIT WITH 14" TALL ROOF CURB AND MATCH ROOF SLOPE. MAINTAIN CURB HEIGHT MINIMUM OF 8" ABOVE FINISHED ROOF.
2. FAN SHALL BE INSTALLED WITH STANDARD MOTOR STARTER OR UNIT MOUNTED FAN SPEED CONTROLLER (FOR INITIAL BALANCING) AS REQUIRED.
3. PROVIDE UNIT WITH BACKDRAFT DAMPER AND BIRD SCREEN.
4. EXHAUST OUTLETS TO BE GREATER THAN 10'-0" HORIZONTAL OR 3'-0" VERTICAL ABOVE FROM OUTSIDE AIR INTAKES.
5. FAN OPERATION TO BE INTERLOCKED WITH BUILDING AUTOMATION CONTROLS SYSTEM AND PROVIDE CONTINUOUS VENTILATION WHEN THE BUILDING IS OCCUPIED.
6. FAN OPERATION TO BE TIED TO HOOD CONTORLS
7. PROVIDE WITH CEILING MOUNTED GRILLE AND ROOF HOOD TERMINATION.
8. PROVIDE WITH THERMOSTAT CONTROL TO ENERGIZE FAN WHEN ROOM EXCEEDS SET POINT. COORDINATE WITH SCHOOL FOR NIGHT SET BACK TEMPERATURES TO NOT FALSELY TRIGGER FAN.

SUPPLY VENTILATION FAN SCHEDULE

MARK	MANUFACTURER	MODEL	AIR FLOW (CFM)	SP (IN.)	ELECTRICAL		MCA	MOCP	VOLTAGE / PHASE	WEIGHT (LBS)	Comments
					MOTOR HP	FLA					
SVF-1	GREENHECK	SQ-160-VG	2,600	1.0	1.0	13.0 A	16.3 A	25 A	120V / 1PH	146	1-9
SVF-2	GREENHECK	SQ-160-VG	2,600	1.0	1.0	13.0 A	16.3 A	25 A	120V / 1PH	146	1-9
SVF-3	GREENHECK	SQ-100-VG	800	0.5	0.25	3.8 A	4.8 A	15 A	120V / 1PH	56	1-2, 4-8, 10

NOTES:

1. FAN SHALL BE INSTALLED WITH STANDARD FAN SPEED CONTROLLER (FOR INITIAL BALANCING) AS REQUIRED.
2. PROVIDE UNIT WITH BACKDRAFT DAMPER AND BIRD SCREEN.
3. FAN TO BE OFF DURING NORMAL OPERATION. CONNECT TO EMERGENCY POWER SYSTEM. PROVIDE MANUAL OVERRIDE ON/OFF WALL MOUNT BUTTON/SWITCH TO ACTIVATE FANS AND LOCATE IN AN OWNER APPROVED LOCATION. PROVIDE PERMANENT SIGNAGE ABOVE BUTTON/ SWITCH THAT READS, "FOR EMERGENCY VENTILATION FAN ACTIVATION ONLY". SWITCH SHALL BE ENCLOSED IN A CLEAR BOX WITH A KEY TO DETER TEMPERING. CONNECT TO BAS FOR MONITORING. COORDINATE WITH ELECTRICAL.
4. INSTALL INLINE FAN IN ABOVE CEILING, SUSPEND UNIT FROM STRUCTURE PER MFR'S INSTALLATION MANUAL. LOCATE UNIT IN ACCESSIBLE LOCATION, PROVIDE ACCESS PANEL AS REQ'D.
5. PROVIDE INDEPENDENT B.A.S. AT STORM SHELTER. EMERGENCY VENTILATION SYSTEM FANS AND MOTORIZED DAMPERS SHALL BE TIED TO B.A.S. INSIDE OF RESPECTIVE STORM SHELTER. CONNECT EACH SYSTEM TO MAIN B.A.S. ALARM SHALL BE SENT TO RESPECTIVE SCHOOL PERSONNEL WHEN ANY PART OF THIS SYSTEM IS ACTIVATED.
6. EMERGENCY VENTILATION SYSTEM INCLUDING B.A.S. SHALL BE POWERED BY RESPECTIVE EMERGENCY POWER SYSTEM, COORDINATE WITH ELECTRICAL.
7. B.A.S. TO MONITOR RTUs AND ACTIVATE EMERGENCY VENTILATION SYSTEM ONLY WHEN RTUs ARE DOWN. PROVIDE ACTIVATION DELAY TO ACCOUNT FOR POWER FLUCTUATION AS REQ'D.
8. EMERGENCY VENTILATION SWITCH SHALL BE LOCATED INSIDE OF RESPECTIVE STORM SHELTER AREA BEING SERVED SERVED.
9. DAMPERS SHALL BE OPEN/ CLOSE ACCORDINGLY:
   A. DAMPERS NORMALLY CLOSED (OPEN ON ACTIVATION OF EMERGENCY VENTILATION SYSTEM)(FAIL OPEN).
      a. MOTORIZED DAMPER SERVING VENTILATION FAN/ INTAKE AND RELIEF HOOD, RELIEF AIR OPENING FROM R/A DUCT.
   B. DAMPERS NORMALLY OPENED (CLOSE ON ACTIVATION OF EMERGENCY VENTILATION SYSTEM)(FAIL CLOSE).
      a. MOTORIZED DAMPERS DOWNSTREAM OF SINGLE ZONE RTUs.
10. PROVIDE WITH THERMOSTAT CONTROL TO ENERGIZE FAN WHEN ROOM EXCEEDS SET POINT. COORDINATE WITH SCHOOL FOR NIGHT SET BACK TEMPERATURES TO NOT FALSELY TRIGGER FAN.

AIR TERMINAL SCHEDULE

MARK	MANUFACTURER	MODEL NO.	MOUNTING	FACE SIZE	NECK SIZE	FINISH	NOTES
A	TITUS	TMS	LAY-IN / SURF.	12" X 12"	6" Ø	WHITE	1-9
B	TITUS	TMS	LAY-IN / SURF.	24" X 24"	8" Ø	WHITE	1-9
C	TITUS	TMS	LAY-IN / SURF.	24" X 24"	10" Ø	WHITE	1-9
D	TITUS	TMS	LAY-IN / SURF.	24" X 24"	12" Ø	WHITE	1-9
J2	TITUS	50F	LAY-IN / SURF.	12" X 24"	(SEE PLANS)	WHITE	1-8
J3	TITUS	50F	LAY-IN / SURF.	24" X 24"	(SEE PLANS)	WHITE	1-8
K8	CAPTIVE AIRE	DI-PSP-08-24X24	LAY-IN	24" X 24"	8" Ø	STAINLESS STEEL	1,2,3,5,6,8,9
K10	CAPTIVE AIRE	DI-PSP-10-24X24	LAY-IN	24" X 24"	10" Ø	STAINLESS STEEL	1,2,3,5,6,8,9
R2	TITUS	350FL	SURF.	(SEE PLANS)	(SEE PLANS)	WHITE	1-8
R3	TITUS	350FL	SURF.	(SEE PLANS)	(SEE PLANS)	WHITE	1-8
R4	TITUS	350FL	SURF.	(SEE PLANS)	(SEE PLANS)	WHITE	1-8
S1	TITUS	300RL	SURF.	(SEE PLANS)	(SEE PLANS)	WHITE	1-8
T	TITUS	S300FS	SURF.	16" X 4"	16" X 4"	PER ARCH	1-5

NOTES:

1. CFM FLOW RATE IS SHOWN ADJACENT TO AIR DEVICE MARK.
2. PROVIDE BALANCING DAMPER FOR EACH DEVICE. PROVIDE AT BRANCH DUCT CONNECTION WHERE POSSIBLE. PROVIDE AIR DEVICES WITH BALANCING DAMPERS ACCESSED AT FRONT FACE OF AIR DEVICE WHERE LOCATED ABOVE INACCESSIBLE CEILINGS. ALL RETURN AND EXHAUST AIR DEVICES SHALL BE PROVIDED WITH INTEGRAL BALANCING DAMPERS.
3. ALL AIR DEVICES SHALL BE ALUMINUM CONSTRUCTED.
4. COORDINATE AND CONFIRM ALL AIR DEVICE FINISHES AND COLORS WITH ARCHITECT. PROVIDE PAINTABLE FINISH WHERE REQUIRED. COORDINATE WITH ARCHITECT PRIOR TO ORDERING.
5. INSTALLATION TO BE COORDINATED WITH SITE CONDITIONS PRIOR TO ORDERING.
6. COORDINATE MOUNTING HEIGHT WITH ALL OTHER TRADES. REFER TO PLANS FOR ADDITIONAL INFORMATION. COORDINATE MOUNTING, BORDERS, FRAMING WITH ARCHITECTURAL CONDITIONS PRIOR TO ORDERING.
7. PROVIDE FACTORY DEVICE MOUNTING FRAMES AT ALL PLASTER, GP WB, AND MASONRY SURFACES TO RECEIVE FINISHED AIR DEVICE PRIOR TO ORDERING.
8. PROVIDE SQUARE-TO-ROUND ADAPTER AS REQUIRED TO ACCOMMODATE ROUND DUCT CONNECTION.
9. PROVIDE INSULATION BACKING TO ALL SUPPLY AIR DEVICES IN CEILINGS.

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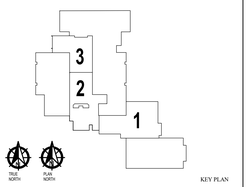
OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK 2025 PROJECT



KEY PLAN

NO.	DESCRIPTION	DATE
2	ADDENDUM 03	03/26/26'

REVISIONS

11/25/2025 ISSUE DATE

2407 PROJECT NO
JLB/AH DRAWN BY
RL CHKD BY

MECHANICAL SCHEDULES

M400

SHEET TITLE

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LIGHTING CONTROL SCHEDULE

ROOM NUMBER	ROOM NAME	LIGHTING CONTROL ON	LIGHTING CONTROL OFF	SENSOR TYPE	SENSOR TIMEOUT (MIN)	DIMMING PERCENTAGE	TIMECLOCK INTEGRATION	TIMECLOCK OVERRIDE	REMARKS
<varies>	ART	MANUAL	MANUAL						
135	BLACKBOX	MANUAL	MANUAL						
<varies>	BOYS	OCCUPANCY	KEYED MANUAL	DUAL TECH	30				KEYED
130	BREAKOUT	MANUAL	MANUAL						
<varies>	CALM	MANUAL	MANUAL						
<varies>	CHEMICAL	MANUAL	MANUAL						
206	CHOIR	MANUAL	MANUAL						
101	COMMONS	MANUAL	MANUAL						
111	COOLER	MANUAL	MANUAL						
<varies>	CORRIDOR	MANUAL	MANUAL						
104	DISH WASH	MANUAL	MANUAL						
105	DRY STORAGE	MANUAL	MANUAL						
125	ELEC.	MANUAL	MANUAL						KEYED
131	ELECTRICAL	MANUAL	MANUAL						KEYED
112	FREEZER	OCCUPANCY	OCCUPANCY	DUAL TECH	15				
<varies>	GIRLS	OCCUPANCY	KEYED MANUAL	DUAL TECH	30				KEYED
119	INVERTER	MANUAL	MANUAL						
216	IT	MANUAL	MANUAL						
<varies>	JANITOR	MANUAL	MANUAL						
110	KITCHEN	MANUAL	MANUAL						
<varies>	OFFICE	MANUAL	MANUAL						
<varies>	PREP	MANUAL	MANUAL						
120-1	RAMP-1	MANUAL	MANUAL						
120-2	RAMP-2	MANUAL	MANUAL						
<varies>	SCIENCE	MANUAL	MANUAL						
<varies>	SPED	MANUAL	MANUAL						
<varies>	STG	MANUAL	MANUAL						
<varies>	STORAGE	MANUAL	MANUAL						
<varies>	TLT	MANUAL	MANUAL						

LIGHTING CONTROL NOTES

1. BASIS OF DESIGN: LINE VOLTAGE SWITCHES AND SENSORS. 0-10V DIMMING ONLY WHERE INDICATED. SUBSTITUTIONS ARE WELCOME. NO PRE-APPROVAL REQUIRED. ENGINEER WILL REVIEW ONE LIGHTING CONTROL SUBMITTAL PACKAGE DURING SUBMITTAL PHASE. IF SUBSTITUTIONS ARE DEEMED NOT EQUAL TO SPECIFIED CONTROL SYSTEM, CONTRACTOR SHALL PROVIDE SPECIFIED CONTROL SYSTEM. PROVIDE SHOP DRAWINGS OF DEVICE LAYOUT AS PART OF SUBMITTAL REVIEW.
   A. SUBMITTING AGENT SHALL PROVIDE ALL REQUESTED COLOR SAMPLES, WORKING FIXTURE SAMPLES AND OR SENSOR CALCULATIONS WITHIN 10 DAYS IF REQUESTED FROM THE DESIGN TEAM.
   B. THE DESIGN TEAM SHALL RESERVE THE RIGHT TO APPROVE OR REJECT ANY SUBSTITUTED FIXTURE BASED ON ANY OF THE FOLLOWING: AESTHETICS, PERFORMANCE, FEATURES, QUALITY, COST, AND LEAD TIMES.
2. LOCATE LOCAL CONTROL/POWER PACKS FOR EXTERIOR DEVICES ADJACENT TO THE PANEL THE DEVICES ARE FED FROM.
3. REFER TO EMERGENCY LIGHTING CONTROL DETAILS.

LIGHTING FIXTURE SCHEDULE

CALL OUT	LIGHT SOURCE						DESCRIPTION	MOUNTING	MANUFACTURER	CATALOG NUMBER	GENERAL NOTES
	LUMENS	CCT	CRI	VA	VOLT						
A2	2000L	3500K	80CRI	30	277 V		2X2 LED BACKLIT FLAT PANEL	RECESSED	ESL	ESL-CSS-820-22-2030W-4000K	10 YEAR WARRANTY REQUIRED FOR THIS MANUFACTURER.
A4	5000L	3500K	80CRI	38	<varies>		2X4 BACLIT FLAT PANEL	RECESSED	ESL	ESL-CSS-820-24-3050W-4000K	10 YEAR WARRANTY REQUIRED FOR THIS MANUFACTURER.
D	2000L	3500K	80CRI	20	277 V		DOWNLIGHT	RECESSED	GOTHAM	EV04-40/20-AR-LSS-WD-MVOLT-GZ1	-
D2	1500L	4000K	80CRI	14	277 V		DOWNLIGHT - SHOWER	RECESSED	GOTHAM	EV04SH-40/15-AR-LSS-WD-MVOLT-GZ1	-
DT	3100	3500K	80CRI	17	277 V		4DR TUNABLE RGBW DOWNLIGHT	RECESSED	GOTHAM	4DR-TL-L31-RGB9-35-DMX-UNV-R-W-OF-CS-N-F1	-
E	-	-	-	0	277 V		EXISTING 2X4 LED TROFFER	RECESSED	-	-	EXISTING
EA	-	-	-	10			EMERGENCY LIGHT - 70' O.C. SPACING	WALL MOUNTED	MULE LIGHTING	MRDR-6-12 W SD LED	-
M	3?SL/FT	3500K	80CRI	57	277 V		5' LINEAR UTILITY STRIP, LENSED	SUSPENDED	LUX	EOS2.0-P-DI-LAM-375-XBT-375-12-35K-8-1-UNV-S1-B-HC-42-SF/SC	
N1	-	-	-	36	277 V		WALLPACK	WALL MOUNTED	MIMIK	M30-36-T3-BK-4K-UNV-0-10V	-
N2	-	-	-	30	277 V		WALLPACK	WALL MOUNTED	MIMIK	M30-36-T4-BK-4K-UNV-0-10V-REM	-
P	3?SL/FT	3500K	80CRI	57	<varies>		3' LINEAR UTILITY STRIP, LENSED	SUSPENDED	LUX	EOS2.0-P-DI-LAM-375-XBT-375-12-35K-8-1-UNV-S1-B-HC-42-SF/SC	
X1	-	-	-	5	277 V		SINGLE FACE EXIT SIGN	CEILING MOUNTED, RECESSED	EVENLITE	PCEL-1-B-RM-BA-U-SD	-
X2	-	-	-	5	277 V		DOUBLE FACE EXIT SIGN	CEILING MOUNTED, RECESSED	EVENLITE	PCEL-X2-B-RM-BA-U	-
XA	-	-	-	5	120 V		SINGLE FACE EXIT SIGN IN SHELTER	CEILING MOUNTED, RECESSED	EVENLITE	PCEL-1-B-RM-BA-U-SD	-

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.

SPECIAL RECEPTACLE SCHEDULE

SUBSCRIPT	NEMA	VOLTS	MANUFACTURER	MODEL	DESCRIPTION	GENERAL NOTES
EWC		<varies>			FEED THROUGH GFCI BREAKER IN PANEL.	COORDINATE LOCATION WITH EQUIPMENT AND MOUNT BEHIND EWC.
FB		120 V/1-360 VA	HUBBELL	GFB4G30CR CFBS1R8CVR**	IN-GRADE BOX 4 GANG FLOOR BOX WITH (2)5-20R DUPLEX RECEPTACLES AND (2) LOW-VOLTAGE ROUGH-INS	PROVIDE (1) 1-1/2" DATA CONDUIT FROM FLOORBOX TO ACCESSIBLE CEILING VIA MAIN WALL OF ROOM.
TIME CLOCK		120 V/1-300 VA			TIME CLOCK	
SP		<varies>	-	-	SMART BOARD PROJECTOR	COORDINATE FINAL MOUNTING HEIGHT WITH ARCHITECT AND FINAL LOW VOLTAGE TERMINATIONS WITH OWNER.
TV		120 V/1-300 VA	LEGRAND	TV2MW	WALL MOUNTED 2-COMPARTMENT RECESSED POWER/AV BOX W/ DUPLEX RECEPTACLE AND LOW-VOLTAGE ROUGH-IN, PROVIDE 1" CONDUIT FROM BOX TO ABOVE ACCESSIBLE CEILING FOR LOW-VOLTAGE.	COORDINATE FINAL MOUNTING HEIGHT WITH ARCHITECT AND FINAL LOW VOLTAGE TERMINATIONS WITH OWNER.

Inverter: INV1

Location: INVERTER 119 | **Volts:** 480V 1PH IN/120V OUT | **A.I.C. Rating:** 10,000 AMPS SYMMETRICAL
Supply From: 1AH | **Phases:** 1 | **Mains Type:** MLO
Mounting: SURFACE | **Wires:** 2 | **Bus Amps:** 100
Enclosure: NEMA 1 | **Runtime:** 120 MINUTES | **MCB Rating:** MLO

Notes:
BASIS OF DESIGN: MYERS Z (480 - 120)-E-9-S-R120-*-2YW-TR *OUTPUT BREAKERS PER SCHEDULE

CKT	Circuit Description	# of Poles		Trip Rating	Load	Remarks
1	L - INVERTER 119, STORAGE, RESTROOMS	1		20 A	494	
2	L - COMMONS 101	1		20 A	603	
3	L - COMMONS 101	1		20 A	742	
4	IT 101	1		20 A	1500	
5	SLV-1, SLV-2	1		15 A	20	
6	SVF-3	1		15 A	456	
7	SVF-1	1		25 A	1560	
8	SVF-2	1		25 A	1560	
9	SPARE	1		20 A	0	
10	SPARE	1		20 A	0	
11	SPACE ONLY	1		--	--	
12	SPACE ONLY	1		--	--	
					6935 VA	
					58 A	

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
Motor	3596 VA	110.85%	3986 VA		
Lighting	1839 VA	125%	2299 VA		
Power	1500 VA	100%	1500 VA		
				Total Conn. Load:	6935 VA
				Total Est. Demand:	7785 VA
				Total Conn.:	58 A
				Total Est. Demand:	65 A

Notes:
PROVIDE ONE UL924 SHUNT DEVICE PER CONTROL ZONE. SEE EMERGENCY LIGHTING CONTROL DETAIL. PROVIDE FIRE SPRINKLER DRIP GUARD PER MANUFACTURER'S REQUIREMENTS.

ICC 500 RELAY PANEL

RELAY	UNITS	AREA(S) CONTROLLED	CIRCUIT	CONTROL SCENARIO
1	SVF-1	COMMONS	INV1-7	B
2	SVF-2	COMMONS	INV1-8	B
3	SLV-1 & SLV-2	COMMONS	INV1-12	A
4	SVF-3	INVERTER 119	PF-50	C
5	--	--		--
6	--	--		--
7	--	--		--
8	--	--		--

GENERAL NOTES:
1. BASIS OF DESIGN CONTROL PANEL IS HUBBELL CX.
2. COORDINATE ALL SETTINGS WITH ICC500 AND MECHANICAL CONTRACTOR PRIOR TO PROGRAMMING.
3. SEE PLANS FOR OVERRIDE SWITCHES. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO ROUGH-IN

CONTROL SCENARIOS:
A. ON/OFF VIA ICC500 OVERRIDE SWITCH
B. ON/OFF VIA ICC500 OVERRIDE SWITCH, 5 SECOND DELAY
C. ON/OFF VIA THERMOSTAT

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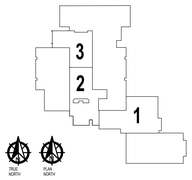
OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK 2025 PROJECT



KEY PLAN

NO.	DESCRIPTION	DATE
2	ADDENDUM 02	03/17/26
3	ADDENDUM 3	03/26/26

REVISIONS

11.25.2025 ISSUE DATE

2407 PROJECT NO
JLB/AH DRAWN BY
RL CHKD BY

ELECTRICAL SCHEDULES

E004

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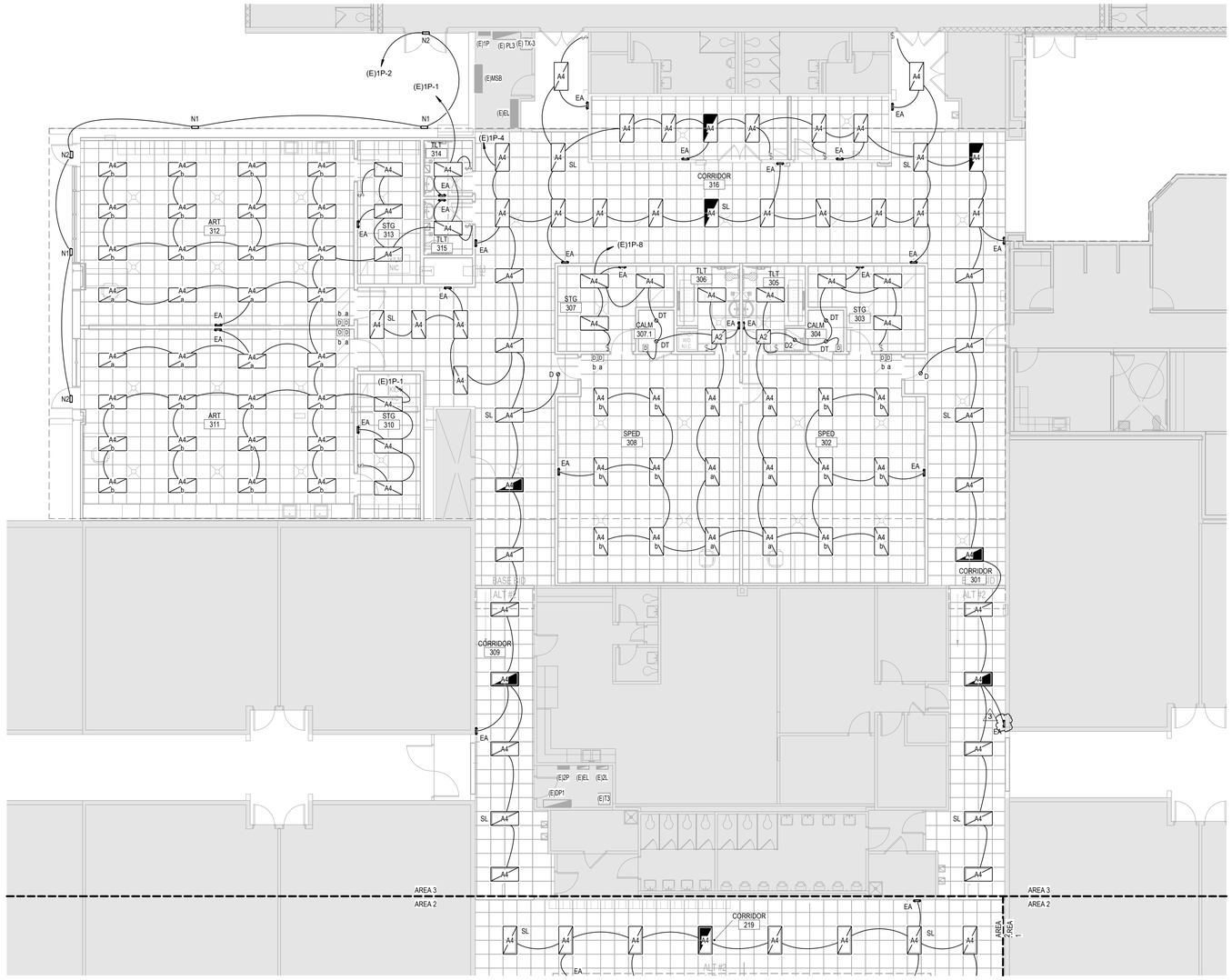
LIGHTING PLAN NOTES

A. ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH 6' LONG FLEXIBLE METAL CONDUIT.
B. ALL MOUNTING HEIGHTS FOR LIGHTING FIXTURES ARE TO THE BOTTOM OF THE FIXTURES UNLESS INDICATED OTHERWISE.
C. SEE ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR LIGHTING FIXTURES.
D. LOWER CASE SUBSCRIPTS INDICATE SWITCH SCHEME.

KEYNOTES



N

1 LIGHTING PLAN - AREA 3
SCALE : 1/8" = 1'-0"

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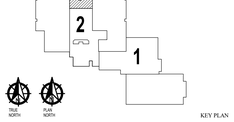
CEC PROJECT 250412

OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK
2025
PROJECT



KEY PLAN

NO.	DESCRIPTION	DATE
3	ADDENDUM 3	03/26/26

REVISIONS

11.25.2025
ISSUE DATE

2407 | PROJECT NO
JLB/AH | DRAWN BY
RL | CHK'D BY

LIGHTING PLAN - AREA 3

E103
SHEET TITLE

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EMERGENCY VENTILATION ACTIVATION PROCEDURE:

ACTIVATION SWITCH WITH COVER AND SIGNAGE FOR EMERGENCY VENTILATION. SEQUENCE OF ACTIVATIONS EVENTS IF BUTTON IS PUSHED:
1. RTU-32 AND RTU-33 TO DEENERGIZE.
2. MOTORIZED DAMPERS IN SUPPLY AND RELIEF HOOD TO FULLY OPEN.
3. SVF-1 & SVF-2 TO ENERGIZE.

SEQUENCE OF ACTIVATIONS EVENTS IF BUTTON IS TWISTED TO RESET:
1. SVF-1 & SVF-2 TO DEENERGIZE.
2. MOTORIZED DAMPERS IN SUPPLY AND RELIEF HOOD TO FULLY CLOSE.
3. RTU-32 AND RTU-33 TO ENERGIZE PER THEIR SET POINTS

PROVIDE TIME DELAY BETWEEN ACTIONS TO ENSURE EACH ACTION IS FULLY EXECUTED PRIOR TO THE NEXT STARTING. PROVIDE STI SS2179PO-EN STI INDOOR/OUTDOOR SURFACE TURN-TO-RESET (ILLUMINATED) STOPPER STATION (OR EQUAL). COORDINATE WITH ARCHITECTURAL FOR EXACT MOUNTING LOCATION, COLOR, AND LETTERINGS OPTIONS.

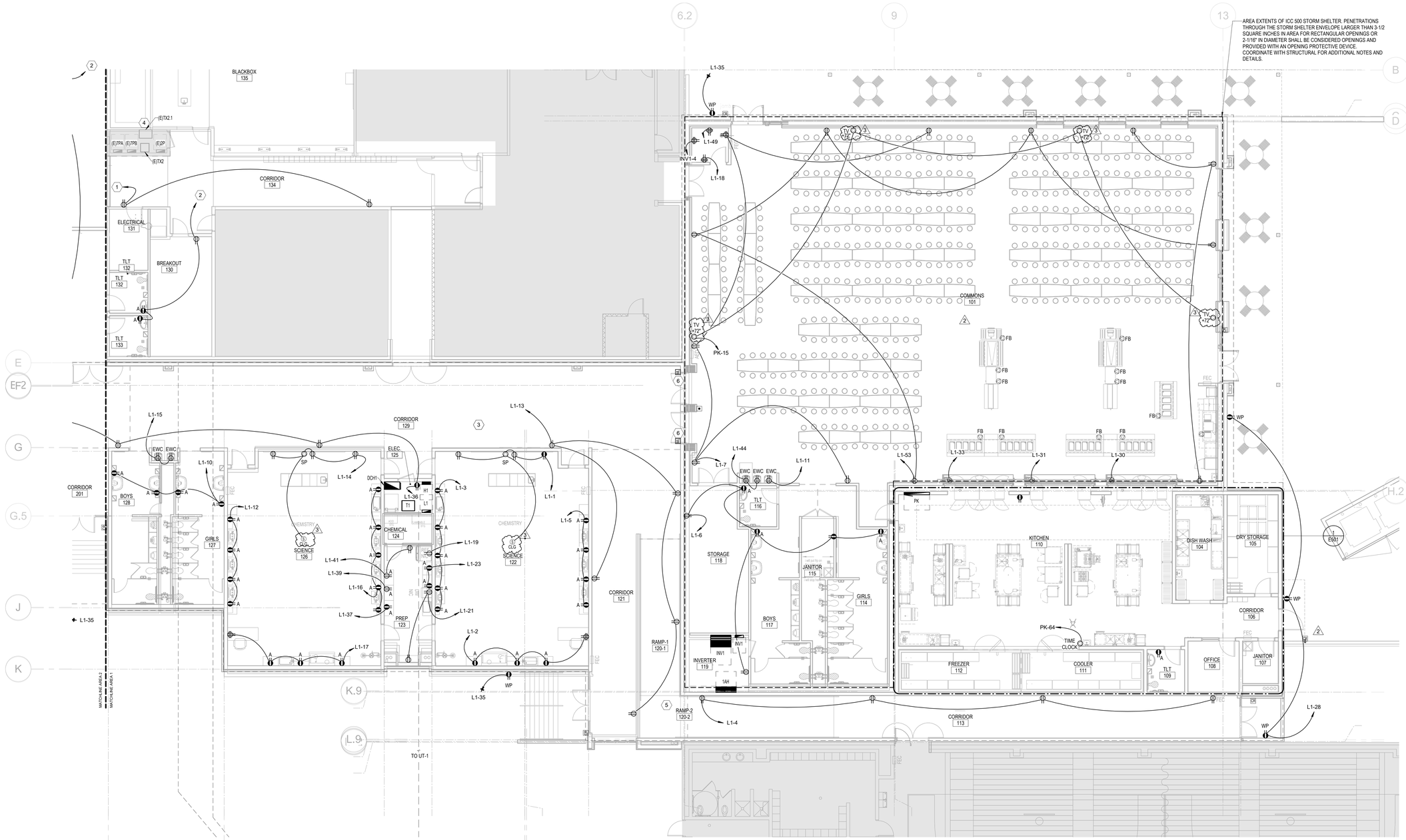
POWER PLAN NOTES

A. PROVIDE HOUSEKEEPING PADS FOR ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT. MINIMUM REQUIREMENTS: 4" HIGH, 4% AIR ENTRAINED, POLYFIBER REINFORCED CONCRETE. 4" WIDER AND 4" LONGER THAN EQUIPMENT TO BE PLACED ON IT.

KEYNOTES 3

1 REPLACE EXISTING DEVICES WITH NEW AND NEW FACE PLATES.
2 UTILIZE EXISTING CIRCUIT IN ALL ROOMS.
3 COORDINATE WITH SCIENCE FIXTURE VENDOR FOR REQUIRED GAS & DOMESTIC CONTROLS.
4 COORDINATE AS NEEDED TO REPLACE NOISY TRANSFORMER IN EXISTING ELCTRICAL ROOM BY BLACKBOX.
5 COORDINATE ALL PENETRATIONS THOUGH FIRE WALL AND OR SHELTER AREA'S WALL WITH STRUCTRUAL.
6 MAGNETIC DOOR OPEN, RELEASES WHEN EMERGENCY VENTILATION SWITCH ACTIVATED.

AREA EXTENTS OF ICC 500 STORM SHELTER. PENETRATIONS THROUGH THE STORM SHELTER ENVELOPE LARGER THAN 3-1/2 SQUARE INCHES IN AREA FOR RECTANGULAR OPENINGS OR 2-1/16" IN DIAMETER SHALL BE CONSIDERED OPENINGS AND PROVIDED WITH AN OPENING PROTECTIVE DEVICE. COORDINATE WITH STRUCTURAL FOR ADDITIONAL NOTES AND DETAILS.



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1 POWER PLAN - AREA 1
SCALE : 1/8" = 1'-0"

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03/26/2026
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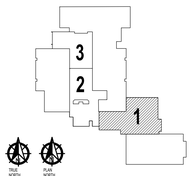
OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK 2025
PROJECT



KEY PLAN

NO.	DESCRIPTION	DATE
2	ADDENDUM 02	03/17/26
3	ADDENDUM 3	03/26/26

REVISIONS

11.25.2025
ISSUE DATE

2407 | PROJECT NO
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POWER PLAN - AREA 1

E201
SHEET TITLE

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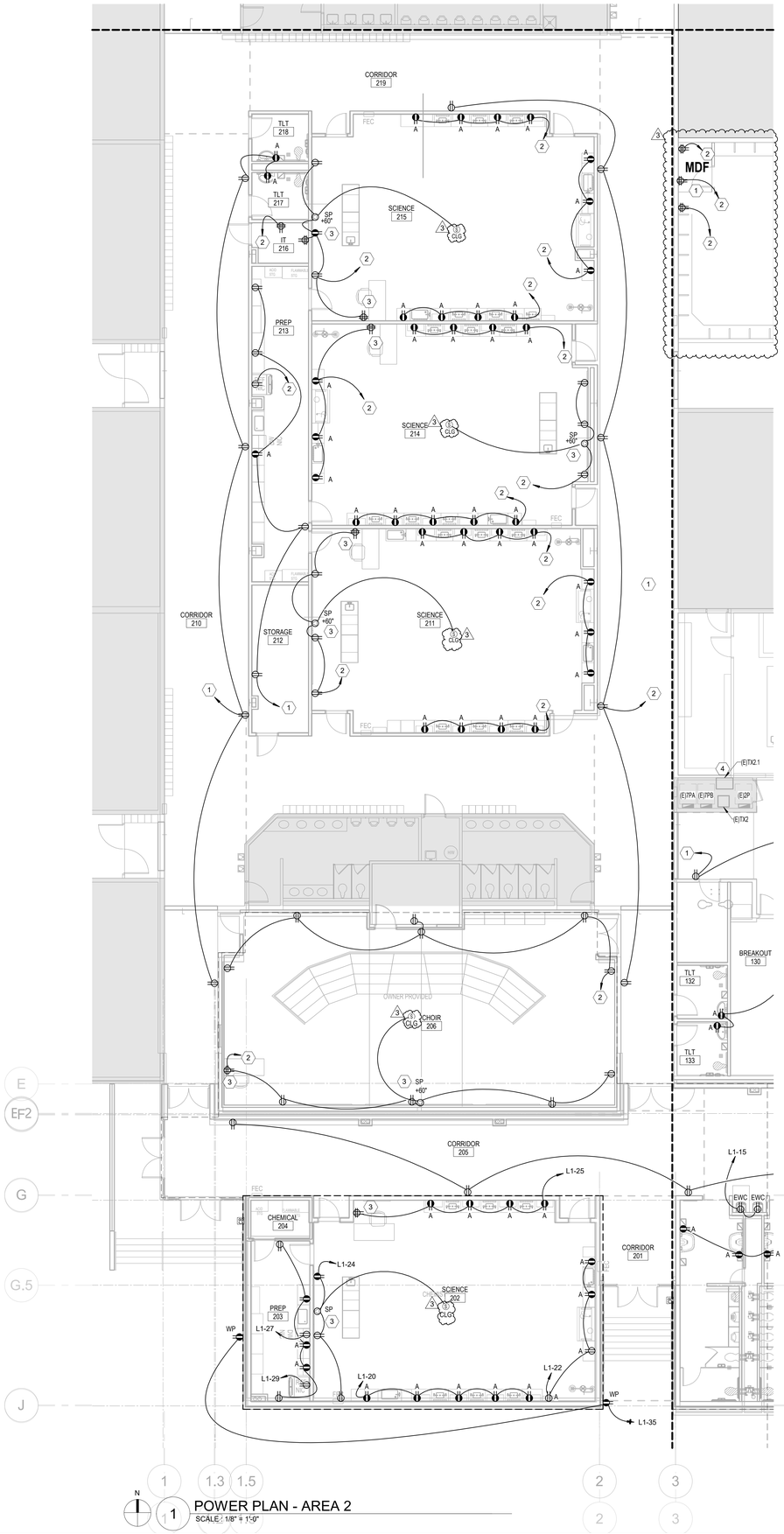

POWER PLAN NOTES

A. PROVIDE HOUSEKEEPING PADS FOR ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT. MINIMUM REQUIREMENTS: 4" HIGH, 4% AIR ENTRAINED, POLYFIBER REINFORCED CONCRETE, 4" WIDER AND 4" LONGER THAN EQUIPMENT TO BE PLACED ON IT.

2

KEYNOTES

1 REPLACE EXISTING DEVICES WITH NEW AND NEW FACE PLATES.
2 UTILIZE EXISTING CIRCUIT IN ALL ROOMS.
3 INSTALL HDMI AND AUDIO CABLE FROM PROJECTOR AND SPEAKER TO TEACHER'S DESK. DO NOT BEND THE HDMI. USE 'L' CONNECTIONS.
4 COORDINATE AS NEEDED TO REPLACE NOISY TRANSFORMER IN EXISTING ELCTRICAL ROOM BY BLACKBOX.

1 POWER PLAN - AREA 2
SCALE: 1/8" = 1'-0"

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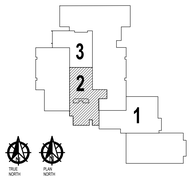
OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK 2025

PROJECT



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3	ADDENDUM 3	03/26/26

REVISIONS

11.25.2025
ISSUE DATE

2407 | PROJECT NO
JLB/AH | DRAWN BY
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POWER PLAN - AREA 2

E202

SHEET TITLE

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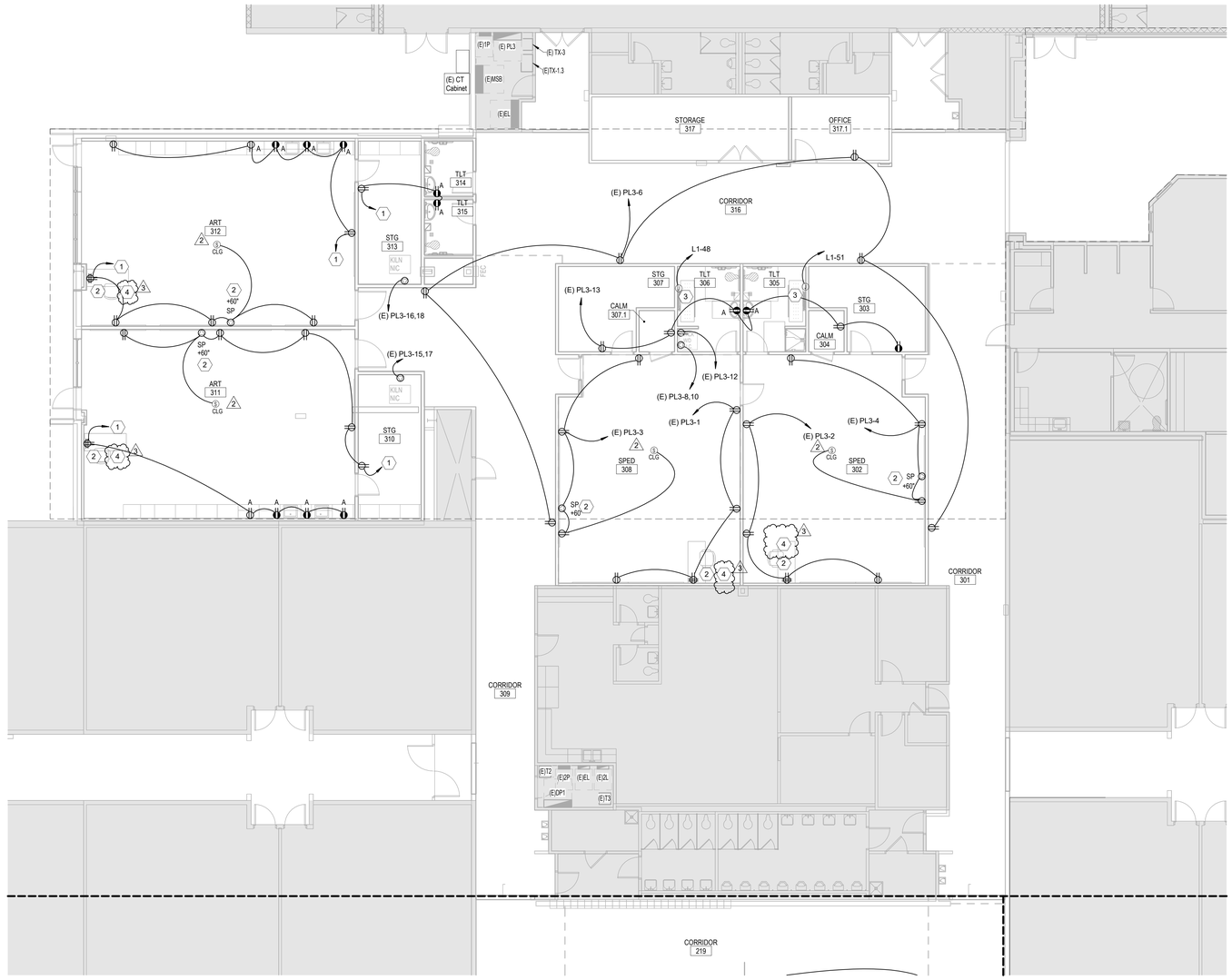
POWER PLAN NOTES

A. PROVIDE HOUSEKEEPING PADS FOR ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT. MINIMUM REQUIREMENTS: 4" HIGH, 4% AIR ENTRAINED, POLYFIBER REINFORCED CONCRETE. 4" WIDER AND 4" LONGER THAN EQUIPMENT TO BE PLACED ON IT.

3

KEYNOTES

1 UTILIZE EXISTING CIRCUIT IN ALL ROOMS.
2 INSTALL HDMI AND AUDIO CABLE FROM PROJECTOR AND SPEAKER TO TEACHER'S DESK. DO NOT BEND THE HDMI; USE 1' CONNECTIONS.
3 PROVIDE 120V J-BOX CONNECTION FOR THE CHANGING STATION POWER. COORDINATE ALL POWER/CONTROL AND EMERGENCY BUTTON CONNECTION REQUIREMENTS WITH EQUIPMENT PROVIDER.
4 INSTALL INTERCOM IN ALL CLASSROOMS. MATCH EXISTING MODEL, TIE TO EXISTING SYSTEM.



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1 POWER PLAN - AREA 3
SCALE : 1/8" = 1'-0"

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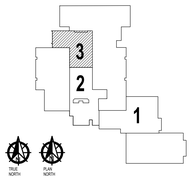
OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK 2025

PROJECT



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POWER PLAN - AREA 3

E203

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KEYNOTES

1. COORDINATE ALL PENETRATIONS THOUGH FIRE WALL AND OR SHELTER AREA'S WALL WITH STRUCTRUAL.
2. EXISTING CAMERAS IN GYM TO BE CONNECTED TO NEW SECURITY NVR.
3. INSTALL HDMI AND AUDIO CABLE FROM PROJECTOR AND SPEAKER TO TEACHER'S DESK. DO NOT BEND THE HDMI; USE 'L' CONNECTIONS.
4. MAGNETIC DOOR OPEN, RELEASES WHEN EMERGENCY VENTILATION SWITCH ACTIVATED.
5. INSTALL INTERCOM IN ALL CLASSROOMS. MATCH EXISTING MODEL. TIE TO EXISTING SYSTEM.
6. INSTALL NEW DOOR SENSOR TO VERIFY DOOR POSITION (OPEN/CLOSED). VERIFY EXACT LOCATION WITH OWNER AND SECURITY SYSTEM INSTALLER PRIOR TO ROUGH IN. CONNECT TO NEW AVIGILON SYSTEM.
7. 4 TVs IN COMMONS SHALL BE FURNISHED BY EC. MOUNTS OFCI. CAT6 CABLING TO IT CLOSET FOR MATRIX CONNECTION.
8. (2) 1.5" EMPTY RACEWAY THROUGH WEST WALL OF IT CLOSET FOR FUTURE USE. SEPARATE FROM SECURITY RACEWAY FOR FUTURE.

EMERGENCY VENTILATION ACTIVATION PROCEDURE:

ACTIVATION SWITCH WITH COVER AND SIGNAGE FOR EMERGENCY VENTILATION. SEQUENCE OF ACTIVATIONS EVENTS IF BUTTON IS PUSHED:
1. RTU-32 AND RTU-33 TO DEENERGIZE.
2. MOTORIZED DAMPERS IN SUPPLY AND RELIEF HOOD TO FULLY OPEN.
3. SVF-1 & SVF-2 TO ENERGIZE.

SEQUENCE OF ACTIVATIONS EVENTS IF BUTTON IS TWISTED TO RESET:
1. SVF-1 & SVF-2 TO DEENERGIZE.
2. MOTORIZED DAMPERS IN SUPPLY AND RELIEF HOOD TO FULLY CLOSE.
3. RTU-32 AND RTU-33 TO ENERGIZE PER THEIR SET POINTS

PROVIDE TIME DELAY BETWEEN ACTIONS TO ENSURE EACH ACTION IS FULLY EXECUTED PRIOR TO THE NEXT STARTING. PROVIDE STI SS2179PO-EN STI INDOOR/OUTDOOR SURFACE TURN-TO-RESET (ILLUMINATED) STOPPER STATION (OR EQUAL). COORDINATE WITH ARCHITECTURAL FOR EXACT MOUNTING LOCATION, COLOR, AND LETTERINGS OPTIONS.

HORIZONTAL CABLING STANDARD SERVICE LOOP

1. MAXIMUM HORIZONTAL CABLE LENGTH: 90 METERS.
2. INSTALL IN APPROVED PATHWAYS (CABLE TRAYS, CONDUIT, OR J-HOOKS) WITH A 5 FT MAXIMUM SPACING.
3. ZIP TIES NOT PERMITTED. USE VELCRO OR HOOK-AND-LOOP FASTENERS.
4. 2METER SERVICE LOOP AT BOTH IDF/ CABINET AND ENDPOINT.
5. MAINTAIN MANUFACTURER'S SPECIFIED BEND RADIUS AND PULL TENSION LIMITS.

SYSTEM PLAN NOTES

A. REFER TO MECHANICAL CONNECTION REQUIREMENTS.
B. REFER TO POWER PLAN FOR MOUNTING HEIGHT ELEVATIONS OF SHARED DEVICES.
C. EXISTING CAMERA THAT ARE REMOVED ARE TO BE SALVAGED AND RETURNED TO OWNER.
D. OWNER TO PROVIDE FIBER AND PATCH PANEL FROM EACH IT CLOSET TO THE EXISTING MDF.
E. AVIGILON UNITY
   1. AINVR IN EXISTING MDF IN EXISTING COMPUTER ROOM.
   2. THREE SWITCHES WITH UPS IN NEW IT CLOSET IN CAFETERIA, IT CLOSET 216 IN EXISTING OFFICE AND EXISTING MDF IN COMPUTER ROOM.
   3. ALL EXISTING CAMERAS GET RECONNECTED TO NEW AVIGILON SYSTEM.VERIFY EXISTING CABLING IS IN GOOD CONDITION BEFORE CONNECTING TO NEW SWITCH.
F. ADD MOTIONS SENSORS AND DOOR SWITCHES TO ALL NEW EXTERIOR DOOR.
G. EACH IT ROOM/SPACE SHALL GET A RACK, USP, TRINIDAD SWITCH, AVIGILON NOD FOR ACCESS CONTROL, AND A LEVITON PATCH PANEL.
H. MDF SHALL GET 2 NEW CIRCUITS FOR POWER, RACK, AVIGILON NVR, AVIGILON NOD, PATCH PANEL, SWITCH, AND A UPS.
I. ALL CABLE FROM EACH CONTROLLED AND/OR MONITORED LOCATION TO ACM SHALL BE 22/8 STRANDED SHIELDED + 22/4 STRANDED + 22/2 STRANDED + 18/4 STRANDED COMPOSITE ACESS CONTROL CABLE.
J. DATA DROPS ARE 2 CAT6 UNO.

AREA EXTENTS OF ICC 500 STORM SHELTER. PENETRATIONS THROUGH THE STORM SHELTER ENVELOPE LARGER THAN 3-1/2 SQUARE INCHES IN AREA FOR RECTANGULAR OPENINGS OR 2-1/16" IN DIAMETER SHALL BE CONSIDERED OPENINGS AND PROVIDED WITH AN OPENING PROTECTIVE DEVICE. COORDINATE WITH STRUCTURAL FOR ADDITIONAL NOTES AND DETAILS.

IT EQUIPMENT (DATA, INTERCOM, ET CETERA) TO BE CONNECTED IN NEW IT ROOM 102.

BLACKBOX 135 · CORRIDOR 134 · ELECTRICAL 131 · WH-2 · EF-9 · TLT 132 · TLT 133 · EF-8 · BREAKOUT 130 · PC IT ROOM · (E)TX2.1 · (E)TPA · (E)TPB · (E)TX2 · E/P · TGB · IT CLOSET · AC-2 · SVF-1 · SVF-2 · SLV-1 · SLV-2 · EM VENT · FB · TV +72" · DS · FEC · CORRIDOR 129 · ELEC 125 · GIRLS 127 · BOYS 128 · CHEMICAL 124 · CHEMISTRY · CLG · SCIENCE 126 · SCIENCE 122 · PREP 123 · H1 · L1 · T1 · REF NIC · CORRIDOR 121 · STORAGE 118 · BOYS 117 · JANITOR 115 · WH-1 · SVF-3 · 4' WIDE, 3' DEEP · EF-3 · RAMP-1 120-1 · INVERTER 119 · INV1 · 1AH · ICC500 RELAY PANEL, REF SCHEDULE · PK · FREEZER 112 · COOLER 111 · TLT 109 · OFFICE 108 · DISH WASH 104 · DRY STORAGE 105 · CORRIDOR 106 · EF-1 · JANITOR 107 · EF-2 · CORRIDOR 113 · SINGLE DATA DROP · MATCHLINE AREA 2 · MATCHLINE AREA 1

Security Camera Schedule

Identity Type Mark	Model
A	DUAL HEAD CAMERA 10.0C-H6ADH-DO1-IR
B	FISHEYE CAMERA 12.0C-H6A-FE-360-DO1-IR
C	MULTIHEAD CAMERA 24C-H5A-4MH
D	MULTIHEAD CAMERA 20C-H5A-4MH
F	DOME CAMERA 4.0C-H6A-D1-IR

Card reader schedule

Identity Type Mark	Model
CR	AC-HID-READER-SIGNO-40NKS-00-000000-STANDARD
CR	AC-HID-SIGNO-20NKS-00-000000-MULLION

N

1 SYSTEMS PLAN - AREA 1

SCALE : 1/8" = 1'-0"

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OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS

OWASSO, OK 2025 PROJECT

KEY PLAN

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JLB/AH | DRAWN BY
RL | CHK'D BY

SYSTEMS PLAN - AREA 1

E301 SHEET TITLE

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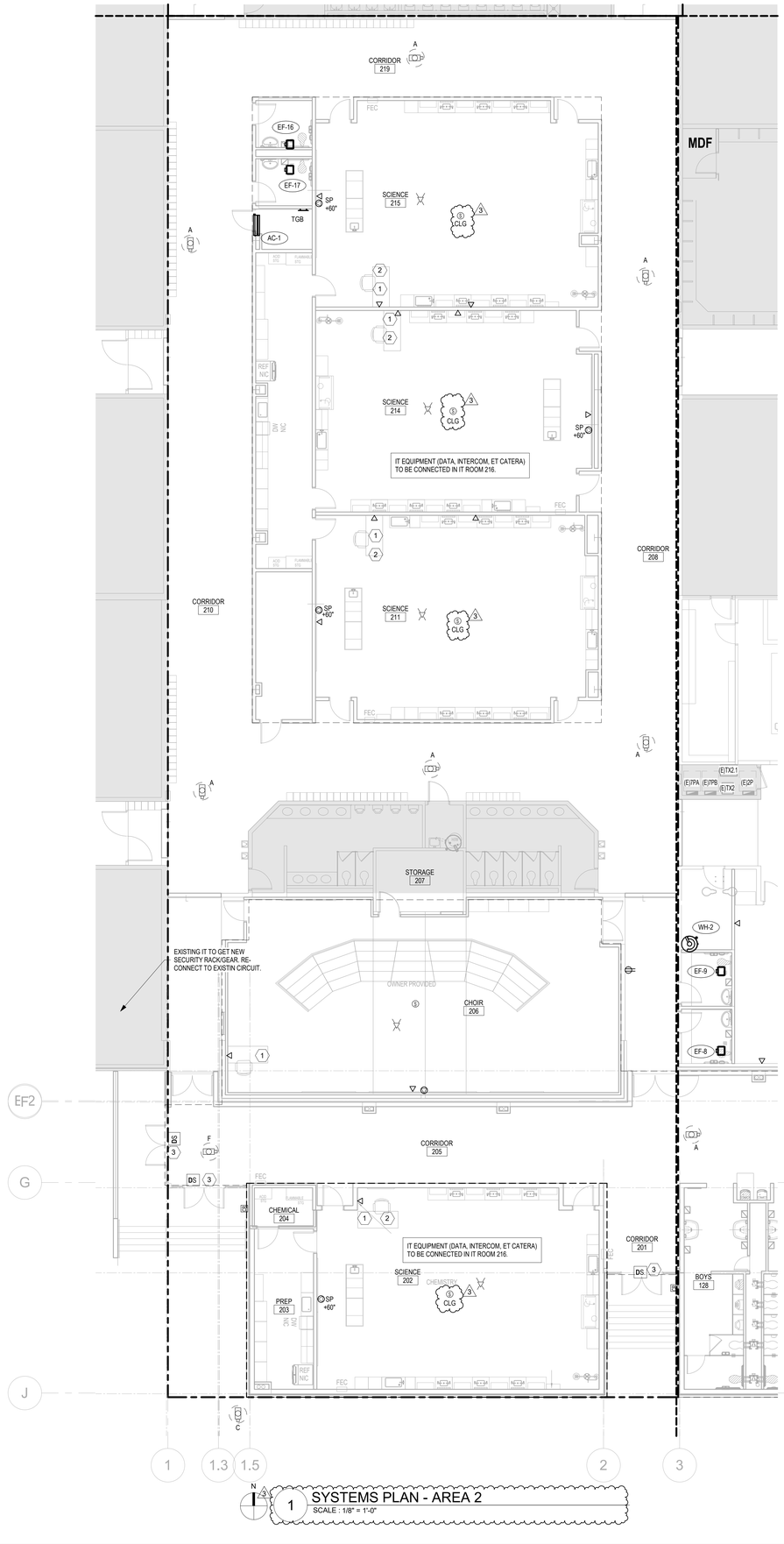

1 SYSTEMS PLAN - AREA 2
SCALE : 1/8" = 1'-0"

3

SYSTEM PLAN NOTES

A. REFER TO MECHANICAL CONNECTION REQUIREMENTS.
B. REFER TO POWER PLAN FOR MOUNTING HEIGHT ELEVATIONS OF SHARED DEVICES.
C. EXISTING CAMERA THAT ARE REMOVED ARE TO BE SALVAGED AND RETURNED TO OWNER.
D. OWNER TO PROVIDE FIBER AND PATCH PANEL FROM EACH IT CLOSET TO THE EXISTING MDF.
E. AVIGILON UNITY
   1. AINVR IN EXISTING MDF IN EXISTING COMPUTER ROOM.
   2. THREE SWITCHES WITH UPS IN NEW IT CLOSET IN CAFETERIA, IT CLOSET 216 IN EXISTING OFFICE AND EXISTING MDF IN COMPUTER ROOM.
   3. ALL EXISTING CAMERAS GET RECONNECTED TO NEW AVIGILON SYSTEM.VERIFY EXISTING CABLING IS IN GOOD CONDITION BEFORE CONNECTING TO NEW SWITCH.
F. ADD MOTIONS SENSORS AND DOOR SWITCHES TO ALL NEW EXTERIOR DOOR.
G. EACH IT ROOM/SPACE SHALL GET A RACK, USP, TRINIDAD SWITCH, AVIGILON NOD FOR ACCESS CONTROL, AND A LEVITON PATCH PANEL.
H. MDF SHALL GET 2 NEW CIRCUITS FOR POWER, RACK, AVIGILON NVR, AVIGILON NOD, PATCH PANEL, SWITCH, AND A UPS.
I. ALL CABLE FROM EACH CONTROLLED AND/OR MONITORED LOCATION TO ACM SHALL BE 22/6 STRANDED SHIELDED + 22/4 STRANDED + 22/2 STRANDED + 18/4 STRANDED COMPOSITE ACESS CONTROL CABLE.
J. DATA DROPS ARE 2 CAT6 UNO.

KEYNOTES

1 INSTALL HDMI AND AUDIO CABLE FROM PROJECTOR AND SPEAKER TO TEACHER'S DESK. DO NOT BEND THE HDMI; USE 'L' CONNECTIONS.
2 INSTALL INTERCOM IN ALL CLASSROOMS. MATCH EXISTING MODEL. TIE TO EXISTING SYSTEM.
3 INSTALL NEW DOOR SENSOR TO VERIFY DOOR POSITION (OPEN/CLOSED). VERIFY EXACT LOCATION WITH OWNER AND SECURITY SYSTEM INSTALLER PRIOR TO ROUGH IN. CONNECT TO NEW AVIGILON SYSTEM.

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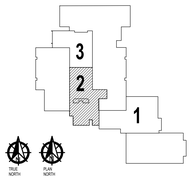
OWASSO PUBLIC SCHOOLS

OWASSO, OK 2025 PROJECT



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REVISIONS

11.25.2025 ISSUE DATE

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JLB/AH DRAWN BY
RL CHK'D BY

SYSTEMS PLAN - AREA 2

E302

SHEET TITLE

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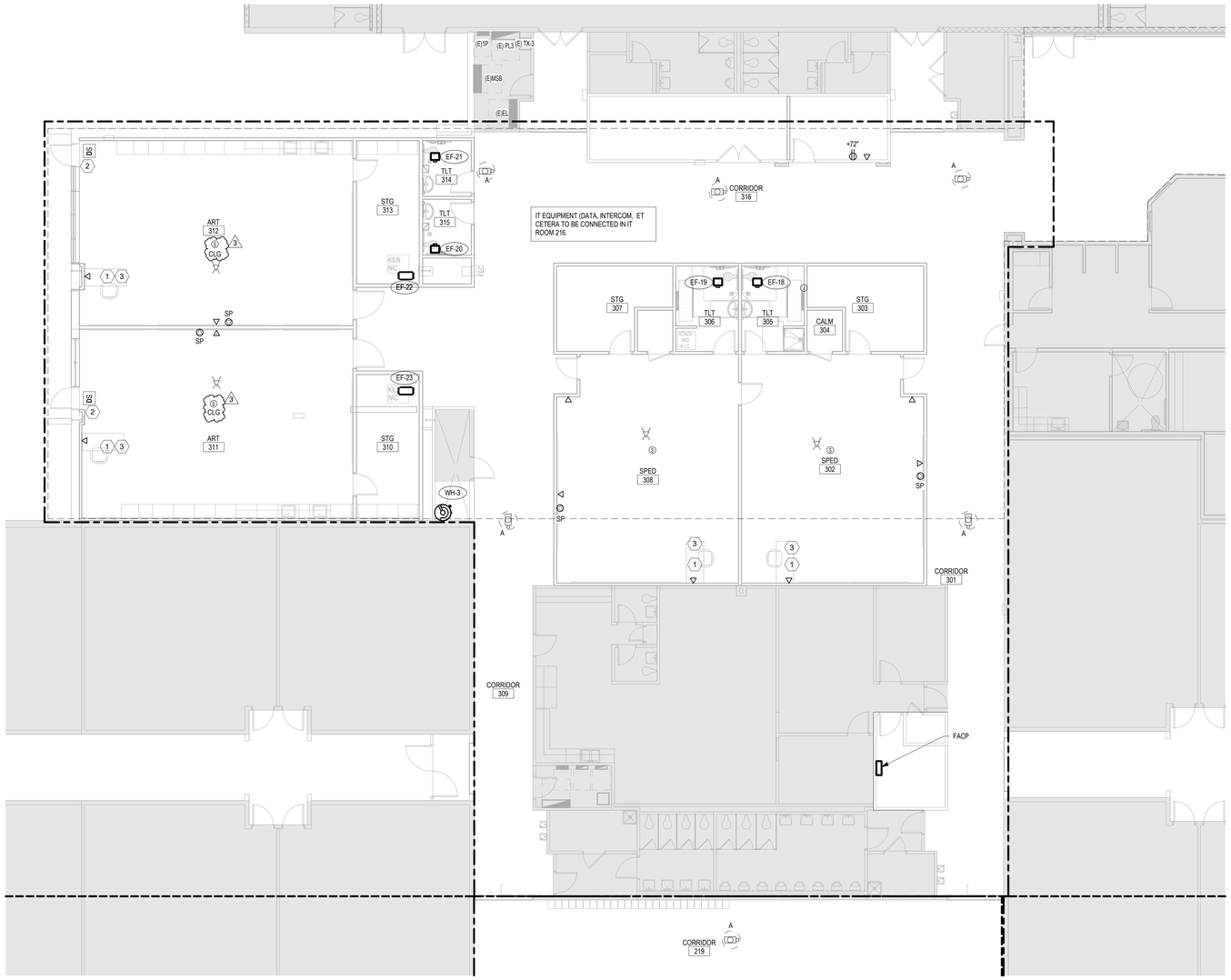

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1 SYSTEMS PLAN - AREA 3

SCALE : 1/8" = 1'-0"

3 **SYSTEM PLAN NOTES**

A. REFER TO MECHANICAL CONNECTION REQUIREMENTS.
B. REFER TO POWER PLAN FOR MOUNTING HEIGHT ELEVATIONS OF SHARED DEVICES.
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D. OWNER TO PROVIDE FIBER AND PATCH PANEL FROM EACH IT CLOSET TO THE EXISTING MDF.
E. AVIGILON UNITY
   1. AINVR IN EXISTING MDF IN EXISTING COMPUTER ROOM.
   2. THREE SWITCHES WITH UPS IN NEW IT CLOSET IN CAFETERIA, IT CLOSET 216 IN EXISTING OFFICE AND EXISTING MDF IN COMPUTER ROOM.
   3. ALL EXISTING CAMERAS GET RECONNECTED TO NEW AVIGILON SYSTEM.VERIFY EXISTING CABLING IS IN GOOD CONDITION BEFORE CONNECTING TO NEW SWITCH.
F. ADD MOTIONS SENSORS AND DOOR SWITCHES TO ALL NEW EXTERIOR DOOR.
G. EACH IT ROOM/SPACE SHALL GET A RACK, USP, TRINIDAD SWITCH, AVIGILON NOD FOR ACCESS CONTROL. AND A LEVITON PATCH PANEL.
H. MDF SHALL GET 2 NEW CIRCUITS FOR POWER, RACK, AVIGILON NVR, AVIGILON NOD, PATCH PANEL, SWITCH, AND A UPS.
I. ALL CABLE FROM EACH CONTROLLED AND/OR MONITORED LOCATION TO ACM SHALL BE 22/6 STRANDED SHIELDED + 22/4 STRANDED + 22/2 STRANDED + 18/4 STRANDED COMPOSITE ACESS CONTROL CABLE.
J. DATA DROPS ARE 2 CAT6 UNO.

KEYNOTES

1 INSTALL HDMI AND AUDIO CABLE FROM PROJECTOR AND SPEAKER TO TEACHER'S DESK. DO NOT BEND THE HDMI; USE 'L' CONNECTIONS.
2 INSTALL NEW DOOR SENSOR TO VERIFY DOOR POSITION (OPEN/CLOSED). VERIFY EXACT LOCATION WITH OWNER AND SECURITY SYSTEM INSTALLER PRIOR TO ROUGH IN. CONNECT TO NEW AVIGILON SYSTEM.
3 INSTALL INTERCOM IN ALL CLASSROOMS. MATCH EXISTING MODEL. TIE TO EXISTING SYSTEM.

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RONALD C. LEE
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OWASSO PUBLIC SCHOOLS

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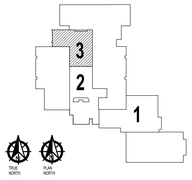

KEY PLAN

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3	ADDENDUM 3	03/26/26

REVISIONS

11.25.2025 ISSUE DATE

2407 | PROJECT NO
JLB/AH | DRAWN BY
RL | CHK'D BY

SYSTEMS PLAN - AREA 3

E303

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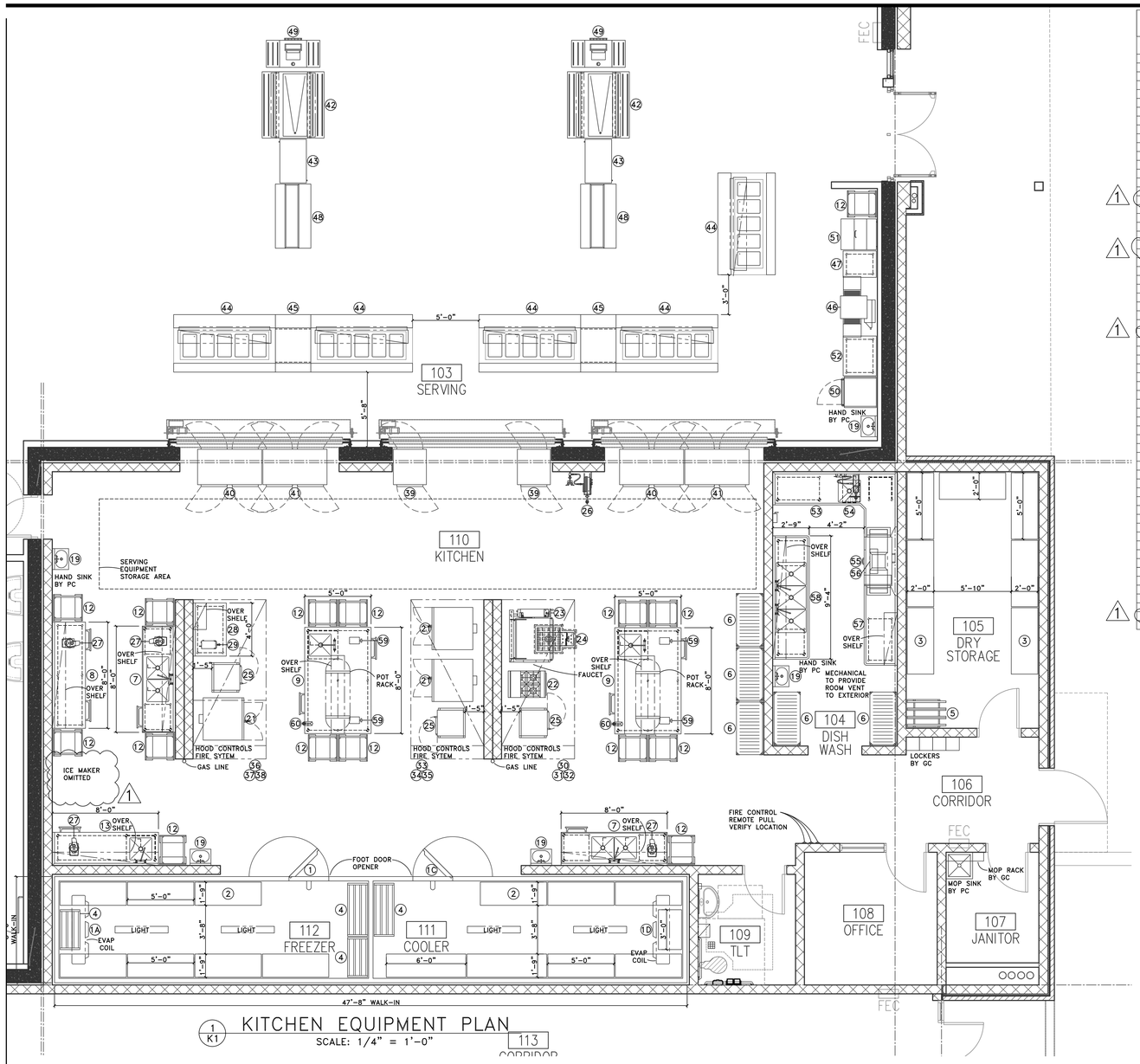
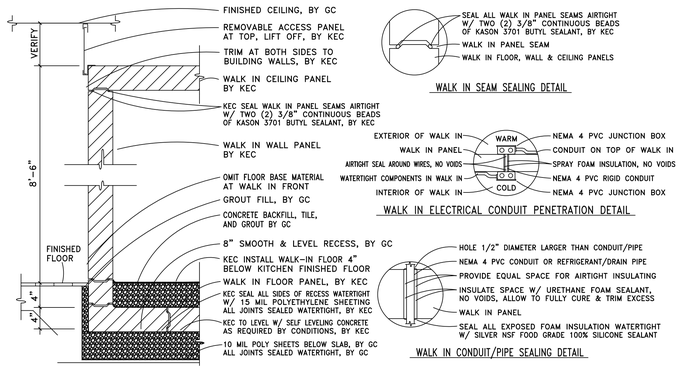


1 / K1 KITCHEN EQUIPMENT PLAN
SCALE: 1/4" = 1'-0"

KITCHEN EQUIPMENT LIST

	NO	QTY	ITEM	REMARKS
	1	1	WALK IN COOLER	FLOOR RECESS, SEE 3/K1
	1A	1	WALK IN COOLER EVAPORATOR COIL	
	1B	1	WALK IN COOLER CONDENSER	SEE 2/K1
	1C	1	WALK IN FREEZER	FLOOR RECESS, SEE 3/K1
	1D	1	WALK IN FREEZER EVAPORATOR COIL	
	1E	1	WALK IN FREEZER CONDENSER	SEE 2/K1
	2	LOT	WALK IN SHELVING	
	3	LOT	DRY STORAGE SHELVING	
	4	4	DUNNAGE RACK	
	5	1	CAN RACK	
	6	5	DRYING RACK	PORTABLE
	7	2	PREP SINK	W/ OVERSHELF & DRAWER
	8	1	PREP TABLE	W/ OVERSHELF & DRAWER
	9	2	PREPARATION TABLE	W/ SINK, POT RACK, OVERSHELF & DRAWER
	10	–	NUMBER NOT USED	
	11	–	NUMBER NOT USED	
1	12	15	BUN PAN RACK	PORTABLE, 9 FUTURE
	13	1	PREPARATION TABLE	W/ SINK, OVERSHELF & DRAWER
	14	–	NUMBER NOT USED	
	15	–	NUMBER NOT USED	
	16	–	NUMBER NOT USED	
1	17	–	NUMBER NOT USED	
	18	–	NUMBER NOT USED	W/ BIN & FILTER
	19	5	HAND SINK	BY PLUMBING CONTRACTOR
	20	–	NUMBER NOT USED	
	21	3	CONVECTION OVEN	DOUBLE STACK, ONE FUTURE
	22	1	RANGE	
	23	1	BRAISING PAN 40G	W/ FILL FAUCET
	24	1	FLOOR TROUGH	WITH DRAIN TEMPERING, BY PLUMBING CONTRACTOR
	25	3	STEAMER	DOUBLE STACK, ONE FUTURE
1	26	1	HOSE REEL	W/ SPRAYER AND 50FT HOSE
	27	4	FOOD PROCESSOR	4 FUTURE
	28	1	WORKTABLE	W/ OVERSHELF
	29	1	HOT WATER DISPENSER	
	30	1	EXHAUST HOOD	BY MECHANICAL CONTRACTOR
	31	1	FIRE SUPPRESSION SYSTEM	BY MECHANICAL CONTRACTOR
	32	1	HOOD FANS	BY MECHANICAL CONTRACTOR
	33	1	EXHAUST HOOD	BY MECHANICAL CONTRACTOR
	34	1	FIRE SUPPRESSION SYSTEM	BY MECHANICAL CONTRACTOR
	35	1	HOOD FANS	BY MECHANICAL CONTRACTOR
	36	1	EXHAUST HOOD	BY MECHANICAL CONTRACTOR
	37	1	FIRE SUPPRESSION SYSTEM	BY MECHANICAL CONTRACTOR
	38	1	HOOD FANS	BY MECHANICAL CONTRACTOR
	39	2	HEATED CABINET – 1 DOOR	PASS THRU – PORTABLE – HALF HEIGHT DOORS – GLASS DOORS ON KITCHEN SIDE
	40	2	HEATED CABINET – 2 DOOR	PASS THRU – PORTABLE – HALF HEIGHT DOORS – GLASS DOORS ON KITCHEN SIDE
	41	2	REFRIGERATOR – 2 DOOR	PASS THRU – PORTABLE – HALF HEIGHT DOORS – GLASS DOORS ON KITCHEN SIDE
	42	2	SALAD BAR	PORTABLE
	43	2	DRINK REFRIGERATOR	PORTABLE – GLASS DOORS ON BOTH SIDES
	44	5	HOT/COLD/FREEZE COUNTER	PORTABLE
	45	2	FLAT TOP COUNTER	PORTABLE
	46	1	PIZZA OVEN	W/ PORTABLE STAND – PROVIDED BY OWNER
	47	1	WORK TABLE	PORTABLE
	48	2	MILK COOLER	PORTABLE
	49	2	CASHIER STAND	PORTABLE
	50	1	HEATED CABINET	PORTABLE
	51	1	REFRIGERATED PIZZA PREP	PORTABLE
	52	1	WORK TABLE	PORTABLE
	53	1	SOILED DISHTABLE	W/ HOSE REEL PRE-RINSE FAUCET
	54	1	DRAIN STRAINER	
	55	1	DISH MACHINE	HIGH TEMP W/ BUN PAN CLEARANCE THRU WASH CHAMBER
	56	1	DISH MACHINE VENT	SEE 4/K1
	57	1	CLEAN DISHTABLE	W/ OVERSHELF
1	58	1	POT AND PAN SINK	W/ OVERSHELF
	59	4	CAN OPENER	4 FUTURE
	60	2	MANUAL CAN OPENER	MOUNT ONE TO EACH ITEM 9

NOTE: RECESS MUST BE LEVEL & SMOOTH BEFORE WALK IN CAN BE INSTALLED, BY KEC
KEC SHALL LEVEL & MAKE RECESS 8" DEEP FOR WALK IN INSTALLATION

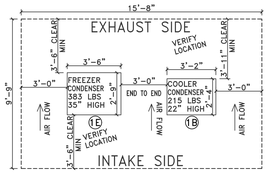


3 / K1 WALK–IN DETAIL
SCALE: NONE

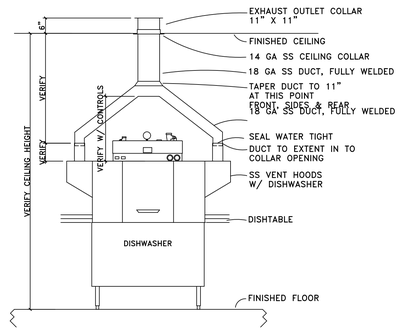
WALK IN SEAM SEALING DETAIL

WALK IN ELECTRICAL CONDUIT PENETRATION DETAIL

WALK IN CONDUIT/PIPE SEALING DETAIL



2 / K1 CONDENSER CLEARANCE – DETAIL
SCALE: NONE



4 / K1 DISHWASHER EXHAUST – DETAIL
SCALE: NONE

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KEY PLAN

OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS
OWASSO, OK
2025
PROJECT

1 REV. 1 – ADD. 3 3/26/26

REVISIONS

11/24/25

ISSUE DATE

2408 PROJECT NO
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K1

SHEET TITLE

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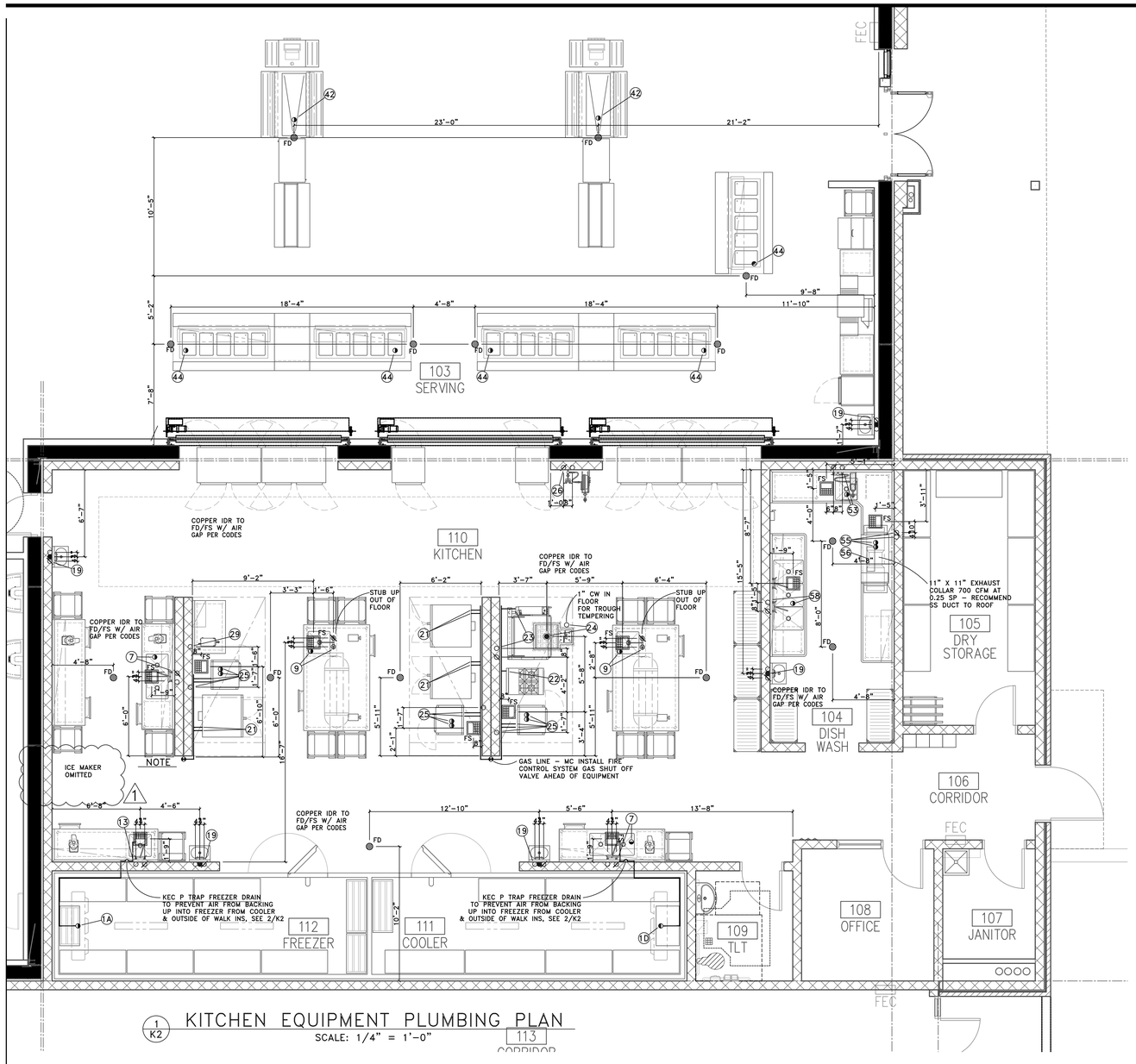


1 / K2 KITCHEN EQUIPMENT PLUMBING PLAN

SCALE: 1/4" = 1'-0"

KITCHEN EQUIPMENT PLUMBING REQUIREMENTS

NO	QTY	ITEM	WATER CW	WATER HW	WATER AFF	DRAIN DR	DRAIN AFF	DRAIN IDR	GAS SIZE	GAS MBH	REMARKS
1	1	WALK IN COOLER									
1A	1	WALK IN COOLER EVAPORATOR COIL						1"			BTC – IDR TO FD – SEE 2/K2
1B	1	WALK IN COOLER CONDENSER									
1C	1	WALK IN FREEZER									
1D	1	WALK IN FREEZER EVAPORATOR COIL						1"			BTC – IDR TO FD – SEE 2/K2
1E	1	WALK IN FREEZER CONDENSER									
2	LOT	WALK IN SHELVING									
3	LOT	DRY STORAGE SHELVING									
4	4	DUNNAGE RACK									
5	1	CAN RACK									
6	5	DRYING RACK									
7	2	PREP SINK	1/2"	1/2"	16"			2"			BTC – IDR TO FS
8	1	PREP TABLE									
9	2	PREPARATION TABLE	1/2"	1/2"	4"			2"			BTC – STUB UP FROM FLOOR – FAUCET – IDR TO FS
10	–	NUMBER NOT USED									
11	–	NUMBER NOT USED									
12	15	BUN PAN RACK									
13	1	PREPARATION TABLE	1/2"	1/2"	16"			2"			BTC – IDR TO FS
14	–	NUMBER NOT USED									
15	–	NUMBER NOT USED									
16	–	NUMBER NOT USED									
17	–	NUMBER NOT USED									
18	–	NUMBER NOT USED									
19	5	HAND SINK	1/2"	1/2"	16"	2"	18"				BY PLUMBING CONTRACTOR
20	–	NUMBER NOT USED									
21	3	CONVECTION OVEN							2 3/4"	50 EA	PC INSTALL GAS HOSE
22	1	RANGE							3/4"	144	PC INSTALL GAS HOSE
23	1	BRAISING PAN 40G	1/2"	1/2"	16"				3/4"	144	PC INSTALL GAS HOSE
24	1	FLOOR TROUGH	1"		–4"	4"	–4"				BY PC – CW IN FLOOR FOR DRAIN WATER TEMPERING
25	3	STEAMER	1/2"		16"			2)1"	2 3/4"	50 EA	BTC – MC INSTALL GAS HOSE
26	1	HOSE REEL	1/2"	1/2"	48"						
27	4	FOOD PROCESSOR									
28	1	WORKTABLE									
29	1	HOT WATER DISPENSER	1/2"		48"						BTC
30	1	EXHAUST HOOD									BY MECHANICAL CONTRACTOR
31	1	FIRE SUPPRESSION SYSTEM									BY MECHANICAL CONTRACTOR
32	1	HOOD FANS									BY MECHANICAL CONTRACTOR
33	1	EXHAUST HOOD									BY MECHANICAL CONTRACTOR
34	1	FIRE SUPPRESSION SYSTEM									BY MECHANICAL CONTRACTOR
35	1	HOOD FANS									BY MECHANICAL CONTRACTOR
36	1	EXHAUST HOOD									BY MECHANICAL CONTRACTOR
37	1	FIRE SUPPRESSION SYSTEM									BY MECHANICAL CONTRACTOR
38	1	HOOD FANS									BY MECHANICAL CONTRACTOR
39	2	HEATED CABINET – 1 DOOR									
40	2	HEATED CABINET – 2 DOOR									
41	2	REFRIGERATOR – 2 DOOR									
42	2	SALAD BAR						1"			IDR TO FD
43	2	DRINK REFRIGERATOR									
44	5	HOT/COLD/FREEZE COUNTER						1"			IDR TO FD
45	2	FLAT TOP COUNTER									
46	1	PIZZA OVEN									
47	1	WORK TABLE									
48	2	MILK COOLER									
49	2	CASHIER STAND									
50	1	HEATED CABINET									
51	1	REFRIGERATED PIZZA PREP									
52	1	WORK TABLE									
53	1	SOILED DISHTABLE	3/4"	3/4"	16"			2"			BTC – CW/HW THRU HOSE REEL – ID THRU #54
54	1	DRAIN STRAINER						2"			BTC – IDR TO FS
55	1	DISH MACHINE 140° MIN HW – 126 GPH	1/2"	3/4"	72"			1"			BTC – 140° MIN HW – IDR TO FS
56	1	DISH MACHINE VENT	11" X 11" EXHAUST COLLAR 700 CFM AT 0.25 SP – RECOMMEND SS DUCT TO ROOF								
57	1	CLEAN DISHTABLE									
58	1	POT AND PAN SINK	3/4"	3/4"	16"			2"			BTC – TEE TO TWO FAUCETS – IDR TO FS
59	4	CAN OPENER									
60	2	MANUAL CAN OPENER									

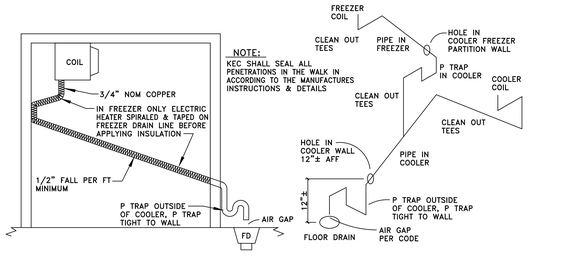
1

KITCHEN EQUIPMENT PLUMBING GENERAL NOTES

01 MC TO PROVIDE FINAL CONNECTIONS TO ALL KITCHEN EQUIPMENT ITEMS PER LOCAL, STATE, & NATIONAL PLUMBING CODES
02 MC TO VERIFY REQUIREMENTS OF ALL KITCHEN EQUIPMENT ITEMS PROVIDED BY OTHERS AND/OR EXISTING BEFORE ROUGHING IN AND MAKING FINAL CONNECTIONS
03 MC TO FURNISH & INSTALL ALL SHUTOFF VALVES, SHOCK ABSORBERS, SNAP ACTION VALVES, TRIM, TRAPS, ETC REQUIRED FOR FINAL CONNECTION TO OUTLETS
04 MC TO FURNISH, INSTALL & CONNECT ALL WATER, DRAIN, INDIRECT DRAIN LINES, ETC FOR ALL KITCHEN EQUIPMENT
05 MC TO FLUSH ALL LINES BEFORE MAKING FINAL CONNECTIONS
06 SEE ARCHITECT DRAWINGS FOR CONTINUATION OF PLUMBING OUTLETS & COORDINATE WITH ARCHITECTS DRAWINGS PREVIOUSLY BID, OBTAIN FROM GENERAL CONTRACTOR
07 ROUGH IN REQUIREMENTS FOR OTHER ITEMS ARE TO BE SET FORTH BY OTHERS THIS PLAN COVERS ONLY KITCHEN EQUIPMENT ITEMS
08 ALL ROUGH IN MATERIAL SHALL BE RUN UNEXPOSED
09 MC EXTEND IDR TO NEAREST FD OR FS W/ AIR GAP PER LOCAL CODE
10 MC INSTALL FIRE CONTROL SYSTEM GAS SHUT OFF VALVE

PLUMBING & MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	COLD WATER (CW)
	HOT WATER (HW)
	INDIRECT WASTE CONN. (ID)
	DIRECT WASTE CONN (DR).
	FLOOR DRAIN (FD)
	FUNNEL FLOOR DRAIN (FFD)
	FLOOR SINK (FS)
	HUB DRAIN (HD)
AFF	ABOVE FINISHED FLOOR
BTC	BRANCH TO CONNECTION
DFA	DROP FROM ABOVE
MBH	1000'S BTU/HR
GT	GREASE TRAP
SV	SOLENOID VALVE
VB	VACUUM BREAKER
MC	MECHANICAL CONTRACTOR
KEC	KITCHEN EQUIPMENT CONTRACTOR



2 / K2 WALK IN DRAIN LINE – DETAIL

SCALE: NONE

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OWASSO 8th GRADE ADDITION

OWASSO PUBLIC SCHOOLS
OWASSO, OK
2025
PROJECT

KEY PLAN

REVISIONS

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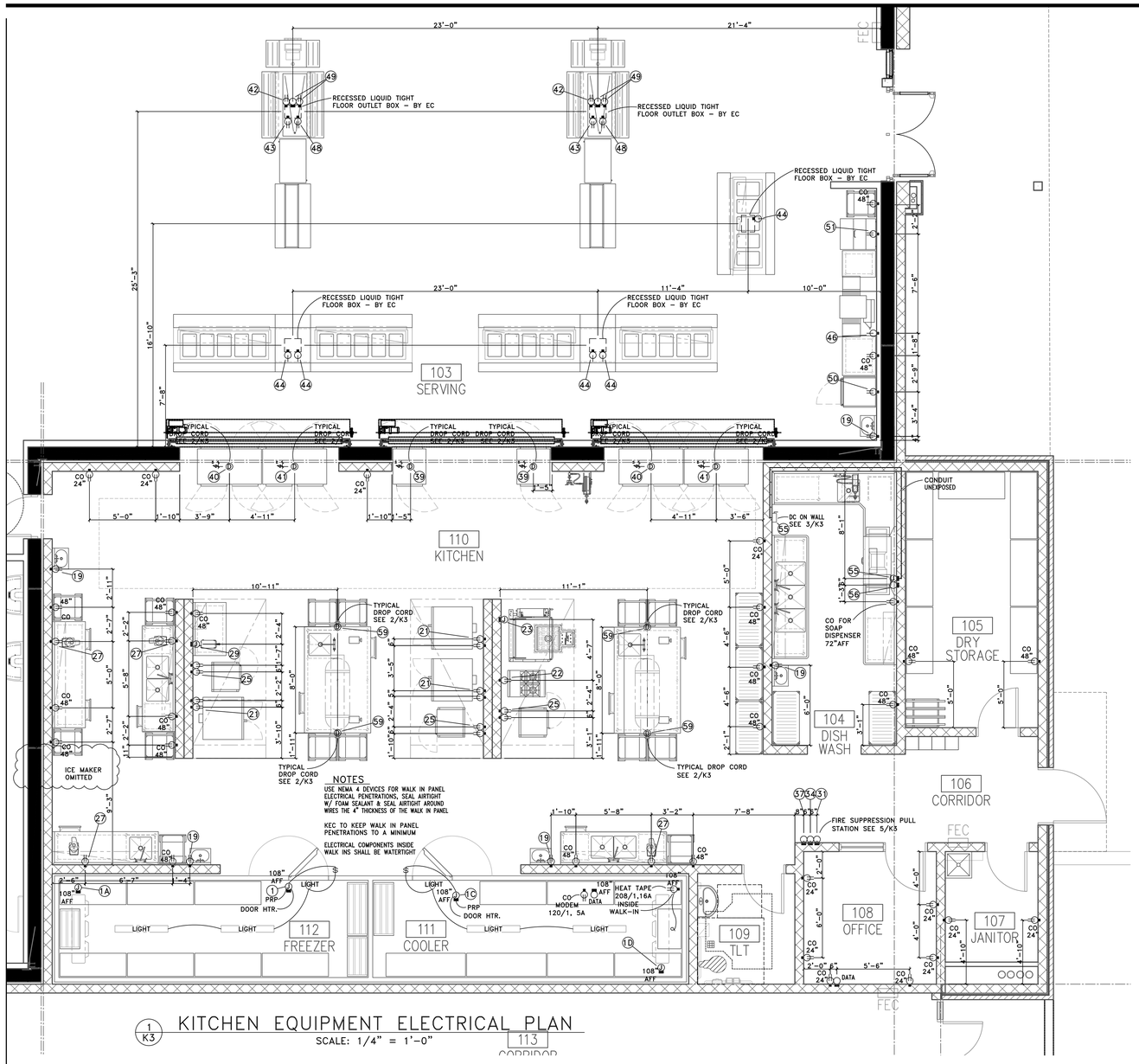


1 K3 KITCHEN EQUIPMENT ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

KITCHEN EQUIPMENT ELECTRICAL REQUIREMENTS

NO	QTY	ITEM	VOLTAGE/PHASE	LOAD	AFF	REMARKS
1	1	WALK IN COOLER	120/1	16 A	108"	BTC - DFA - DOOR HTR, PRP & LIGHTS
1A	1	WALK IN COOLER EVAPORATOR COIL	120/1	2 A	108"	BTC - DFA
1B	1	WALK IN COOLER CONDENSER	208/3	15 A	VFY	BTC - 20 MOPD
1C	1	WALK IN FREEZER	120/1	16 A	108"	BTC - DFA - DOOR HTR, PRP & LIGHTS
1D	1	WALK IN FREEZER EVAPORATOR COIL	208/1	16 A	108"	BTC - DFA
1E	1	WALK IN FREEZER CONDENSER	208/3	28 A	VFY	BTC - 40 MOPD
2	LOT	WALK IN SHELVING				
3	LOT	DRY STORAGE SHELVING				
4	4	DUNNAGE RACK				
5	1	CAN RACK				
6	5	DRYING RACK				
7	2	PREP SINK				
8	1	PREP TABLE				
9	2	PREPARATION TABLE				
10	–	NUMBER NOT USED				
11	–	NUMBER NOT USED				
12	15	BUN PAN RACK				
13	1	PREPARATION TABLE				
14	–	NUMBER NOT USED				
15	–	NUMBER NOT USED				
16	–	NUMBER NOT USED				
17	–	NUMBER NOT USED				
18	–	NUMBER NOT USED				
19	5	HAND SINK	120/1	5 A	24"	BTC
20	–	NUMBER NOT USED				
21	3	CONVECTION OVEN TWO OUTLETS	120/1	8 A EA	48"	CORD & PLUG PROVIDED
22	1	RANGE	120/1	5 A	24"	BTC
23	1	BRAISING PAN 40G	120/1	5 A	24"	BTC - CORD & PLUG PROVIDED
24	1	FLOOR TROUGH				
25	3	STEAMER TWO OUTLETS	120/1	5 A	48"	CORD & PLUG PROVIDED
26	1	HOSE REEL				
27	4	FOOD PROCESSOR	120/1	8 A	48"	CORD & PLUG PROVIDED
28	1	WORKTABLE				
29	1	HOT WATER DISPENSER	208/1	20 A	48"	BTC
30	1	EXHAUST HOOD				BY MECHANICAL CONTRACTOR
31	1	FIRE SUPPRESSION SYSTEM				BY MECHANICAL CONTRACTOR
32	1	HOOD FANS				BY MECHANICAL CONTRACTOR
33	1	EXHAUST HOOD				BY MECHANICAL CONTRACTOR
34	1	FIRE SUPPRESSION SYSTEM				BY MECHANICAL CONTRACTOR
35	1	HOOD FANS				BY MECHANICAL CONTRACTOR
36	1	EXHAUST HOOD				BY MECHANICAL CONTRACTOR
37	1	FIRE SUPPRESSION SYSTEM				BY MECHANICAL CONTRACTOR
38	1	HOOD FANS				BY MECHANICAL CONTRACTOR
39	2	HEATED CABINET - 1 DOOR	120/208/1	8 A	66"	DFA - CORD & PLUG PROVIDED - SEE 2/K3
40	2	HEATED CABINET - 2 DOOR	120/208/1	16 A	66"	DFA - CORD & PLUG PROVIDED - SEE 2/K3
41	2	REFRIGERATOR - 2 DOOR	120/1	11 A	66"	DFA - CORD & PLUG PROVIDED - SEE 2/K3
42	2	SALAD BAR	120/1	7 A	0"	BTC - CORD & PLUG PROVIDED
43	2	DRINK REFRIGERATOR	120/1	2 A	0"	BTC - CORD & PLUG PROVIDED
44	5	HOT/COLD/FREEZE COUNTER	120/1	30 A	0"	BTC - CORD & PLUG PROVIDED
45	2	FLAT TOP COUNTER				
46	1	PIZZA OVEN	208/1	48 A	48"	BTC - EC TO PROVIDE CORD AND PLUG
47	1	WORK TABLE				
48	2	MILK COOLER	120/1	8 A	0"	BTC - CORD & PLUG PROVIDED
49	2	CASHIER STAND	120/1	16 A	0"	BTC - CORD & PLUG PROVIDED
50	1	HEATED CABINET	120/1	16 A	48"	BTC - CORD & PLUG PROVIDED
51	1	REFRIGERATED PIZZA PREP	120/1	5 A	48"	BTC - CORD & PLUG PROVIDED
52	1	WORK TABLE				
53	1	SOILED DISHTABLE				
54	1	DRAIN STRAINER				
55	1	DISH MACHINE 60 MOPD	480/3	52 A	76"	BTC - SEE 3/K3 - SINGLE POINT CONNECTION MACHINE & BOOSTER
56	1	DISH MACHINE VENT	EMPTY J BOX	–	76"	EC WIRE FAN TO INTERLOCK ON DISHMACHINE
57	1	CLEAN DISHTABLE				
58	1	POT AND PAN SINK				
59	4	CAN OPENER	120/1	8 A	66"	DFA - CORD & PLUG PROVIDED - SEE 2/K3
60	2	MANUAL CAN OPENER				

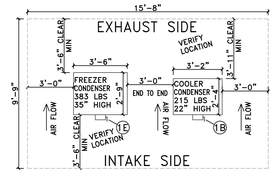
CO ALL 120/1, 10 AMPS EACH, WIRE TWO MAX TO A 20 AMP CIRCUIT

KITCHEN EQUIPMENT ELECTRICAL GENERAL NOTES

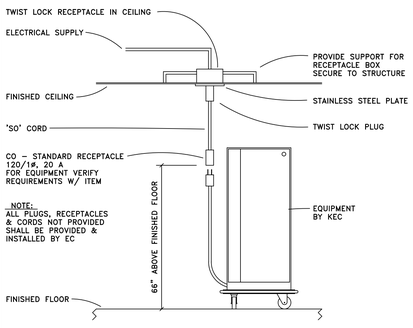
01 EC TO PROVIDE FINAL CONNECTIONS TO ALL KITCHEN EQUIPMENT ITEMS PER LOCAL, STATE AND NATIONAL ELECTRICAL AND BUILDING CODES
02 EC TO VERIFY REQUIREMENTS OF ALL KITCHEN EQUIPMENT ITEMS PROVIDED BY OTHERS AND/OR EXISTING BEFORE ROUGHING IN AND MAKING FINAL CONNECTIONS
03 EC TO SIZE ALL CONDUIT, JUNCTION BOXES, PULL BOXES, AND DISCONNECT SWITCHES PER LOCAL, STATE AND NATIONAL ELECTRICAL AND BUILDING CODES
04 EC TO FURNISH AND INSTALL ALL MAGNETIC STARTERS, THERMAL OVERLOAD PROTECTION CONTACTORS AND DISCONNECT SWITCHES ON ALL MOTORS AND ELEMENTS PER LOCAL, STATE AND NATIONAL ELECTRICAL AND BUILDING CODES
05 EC TO WIRE, FURNISH AND INSTALL CONDUIT TO RECEPTACLE JUNCTION BOX AND/OR DISCONNECT SWITCH PRE MOUNTED ON KITCHEN EQUIPMENT
06 EC TO FURNISH AND INSTALL ALL CORDS AND PLUGS NOT SUPPLIED WITH KITCHEN EQUIPMENT, CORDS NOT TO TOUCH THE FLOOR
07 EC TO INTER CONNECT ALL FIELD AND CONTROL WIRING
08 SEE ARCHITECTURAL DRAWINGS FOR CONTINUATION ELECTRICAL OF OUTLETS
09 ALL WIRING, CONDUIT, JUNCTION BOXES, RECEPTACLES AND DISCONNECT SWITCHES IN DISH WASHING AREA AND/OR INSIDE WALK-IN COOLER/FREEZER TO BE WATER PROOF
10 ROUGH IN REQUIREMENTS FOR OTHER ITEMS ARE TO BE SET FORTH BY OTHERS, THIS PLAN COVERS ONLY KITCHEN EQUIPMENT
11 ALL ROUGH IN MATERIAL SHALL BE RUN UNEXPOSED
12 LOADS SHOWN ARE KITCHEN EQUIPMENT LOADS ONLY
13 EC TO FURNISH AND INSTALL SHUNT TRIP BREAKERS REQUIRED FOR THE SHUTOFF OF POWER TO COOKING EQUIPMENT AND INNER WIRE WITH THE FIRE CONTROL SYSTEM
14 EC TO INNER CONNECT FIRE CONTROL SYSTEM WITH BUILDING ALARM SYSTEM
15 EC TO FURNISH AND INSTALL ALL CONTROL WIRING FOR FANS, WALK-INS, DISPOSERS, ETC

ELECTRICAL LEGEND

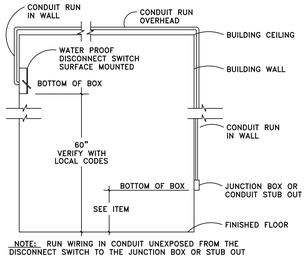
SYMBOL	DESCRIPTION
○	DATA OUTLET
-D	SINGLE RECEPTACLE
-⊕	DUPLEX RECEPTACLE
J	JUNCTION BOX
Ⓓ	DROP CORD
$	SWITCH
	LIGHT
	DISCONNECT BOX
AFF	ABOVE FINISHED FLOOR
DFA	DROP FROM ABOVE
BTC	BRANCH TO CONNECTION
CO	CONVENIENCE OUTLET - 16A
EC	ELECTRICAL CONTRACTOR
PRP	PRESSURE RELIEF PORT
KEC	KITCHEN EQUIPMENT CONTRACTOR



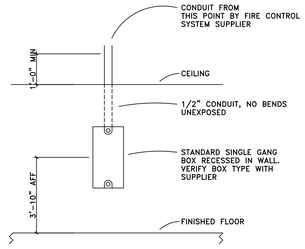
7 K3 CONDENSER ELECTRICAL - DETAIL
SCALE: NONE



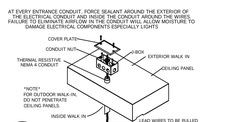
2 K3 DROP CORD - DETAIL
SCALE: NONE



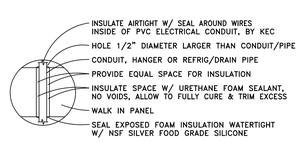
3 K3 DS TO JB DETAIL
SCALE: NONE



5 K3 REMOTE RELEASE DETAIL
SCALE: NONE

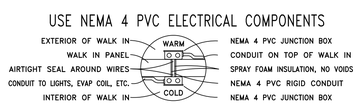


6 K3 WALK IN PANEL PENETRATION DETAIL



WALK IN PENETRATION INSULATION DETAIL

USE NEMA 4 PVC ELECTRICAL COMPONENTS



WALK IN ELECTRICAL CONDUIT PENETRATION DETAIL

MCKAY-LANE CONSULTING, LTD
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479-629-4572
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OWASSO
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ADDITION

OWASSO PUBLIC SCHOOLS
OWASSO, OK
2025
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REVISIONS

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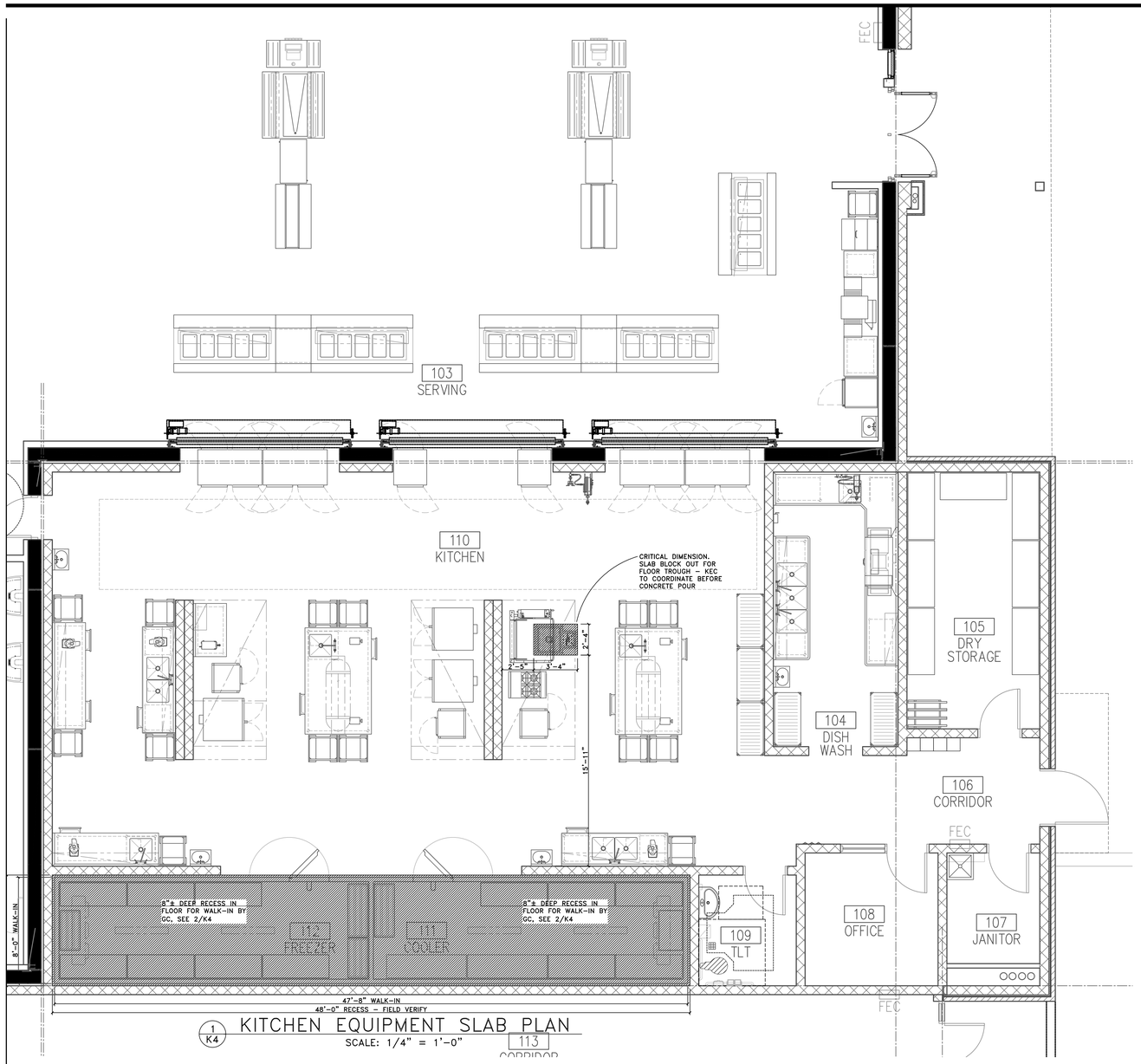
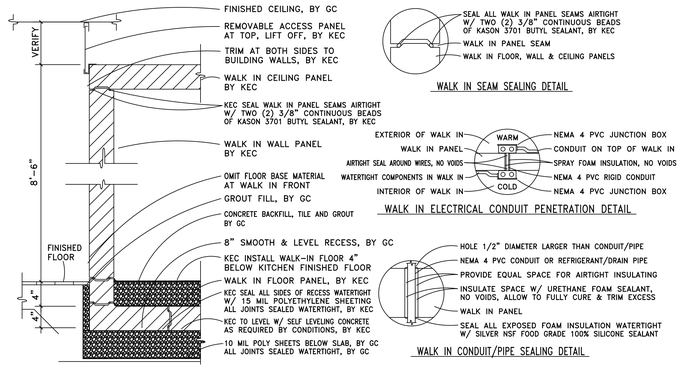


1 K4 KITCHEN EQUIPMENT SLAB PLAN
SCALE: 1/4" = 1'-0"

NOTE: RECESS MUST BE LEVEL & SMOOTH BEFORE WALK IN CAN BE INSTALLED, BY KEC
KEC SHALL LEVEL & MAKE RECESS 8" DEEP FOR WALK IN INSTALLATION



2 K4 WALK-IN DETAIL
SCALE: NONE

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