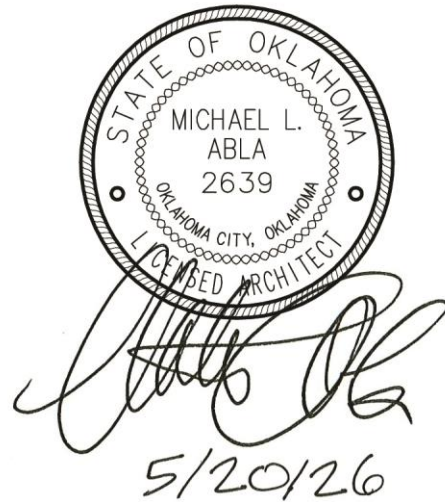


**MOORE PUBLIC SCHOOLS -
WESTMOORE HIGH SCHOOL
ENTRY UPGRADES**

Moore Public Schools - Moore, Oklahoma
AGP - Moore, Oklahoma

ADDENDUM NO. 1

May 20, 2026



This addendum applicable to work designated herein, shall be understood to be an Addendum, and as such shall be included in the Contract Agreement.

Receipt of this Addendum shall be acknowledged by the Construction Management Firm notifying this office in writing, and by any applicable subcontractor to the CM.

This addendum consists of two (2) pages with attachments of four (4) 8.5" x 11" pages and thirteen (13) 24" x 36" sheets.

A. Drawings:

General

No changes.

Civil

1. Sheet C901, Sidewalk / Paving Site Plan: revise sidewalk references as noted. Refer to attachment.

Structural

1. Sheet S103-13C, Acoustical Roof Deck: provide acoustical batt insulation (to be provided by decking mfr.) after installation of deck, electrical conduit/raceways, etc. Provide hinged access panels where required to accommodate installation of pendant lighting/technology boxes, conduit, etc. – field verify locations and quantities. Panels shall be factory prime painted and oven-cured as per manufacturer's process. Field-applied paint shall be compatible with factory-applied prime paint and applied as per manufacturer's recommendations/requirements to prevent plugging of acoustical holes. Coordinate with Architect, Construction Manager, Electrician, Painter, etc. prior to panel fabrication. Field paint color to match Color 5 – SW Inkwell.

Architectural

1. Sheet G101, Interior Perspectives: added sheet. Refer to attachment.
2. Sheet A104, Reflected Ceiling Plan / Notes: added notes / dimensions at Concourse Room #2, identified soffit material, and added Note No. 10. Refer to attachment.
3. Sheet A601, Detail 2, Color Schedule – Item 5: omit reference to stair stairs and handrails (not applicable). Added “cast iron downspouts”. Refer to attachment.
4. Sheet A601, Detail 2, Color Schedule – Items 14 & 15 Ceramic Tile: revised tile colors. Refer to attachment.
5. Sheet A601, Detail 2, Color Schedule – Item 18 Solid Surfacing: revised solid surface countertop color as noted. Refer to attachment.
6. Sheet A601, Detail 2, Color Schedule – Item 29 Prefinished Metal Canopy: prefinished metal flashing, etc. relative to the metal canopies that is not provided by canopy supplier/manufacturer shall match the canopy color – Regal Red.
7. Sheet A601, Detail 2, Color Schedule – Item 32 Prefinished Metal Soffits: prefinished metal soffits and composite wall panel colors are to be Kynar 500 Black in lieu of Berridge color as noted. Refer to attachment.
8. Sheet A601, Detail 2, Color Schedule – Item 33 Prefinished Coping and Miscellaneous Flashing: noted color required. Refer to attachment.

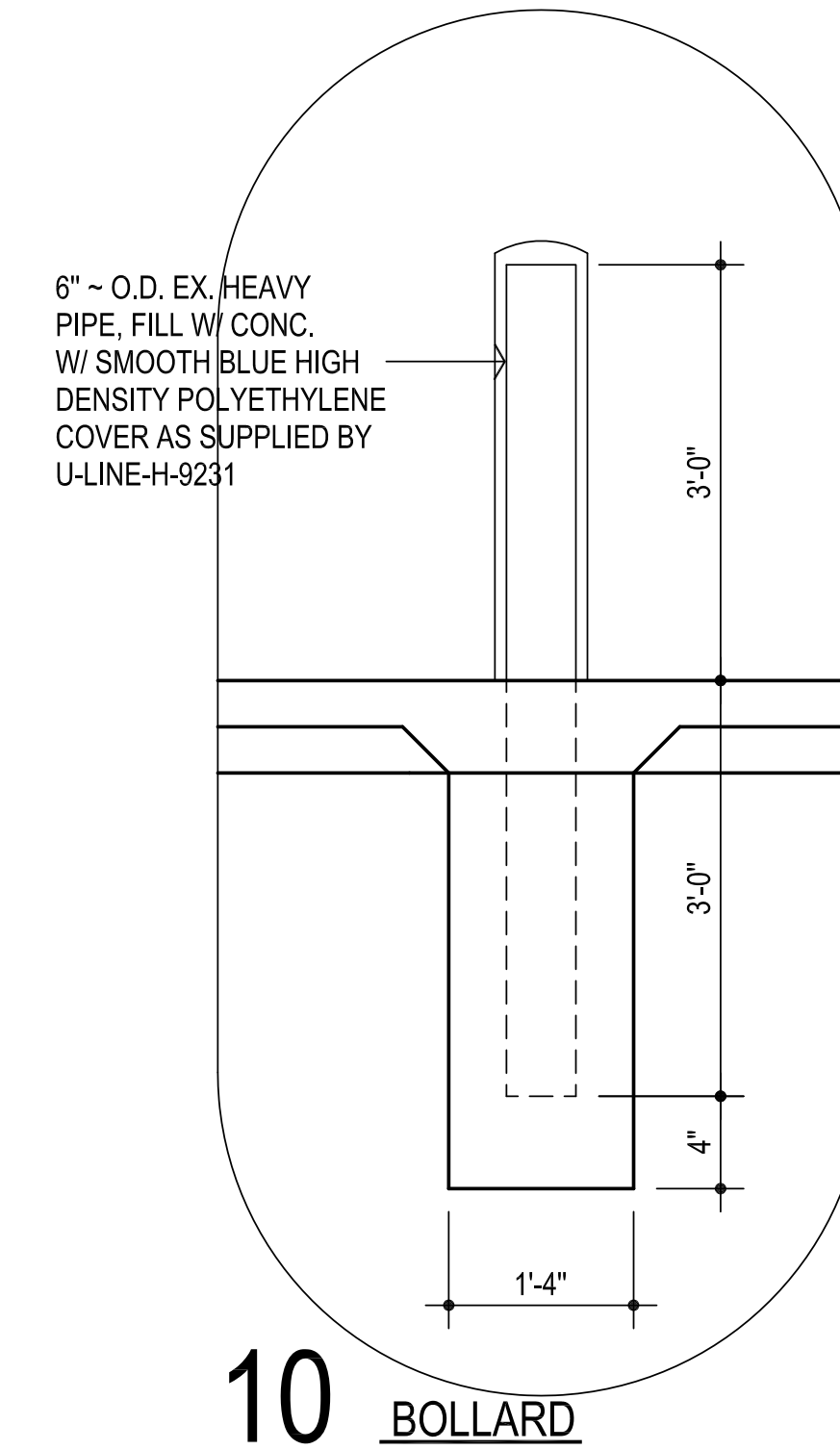
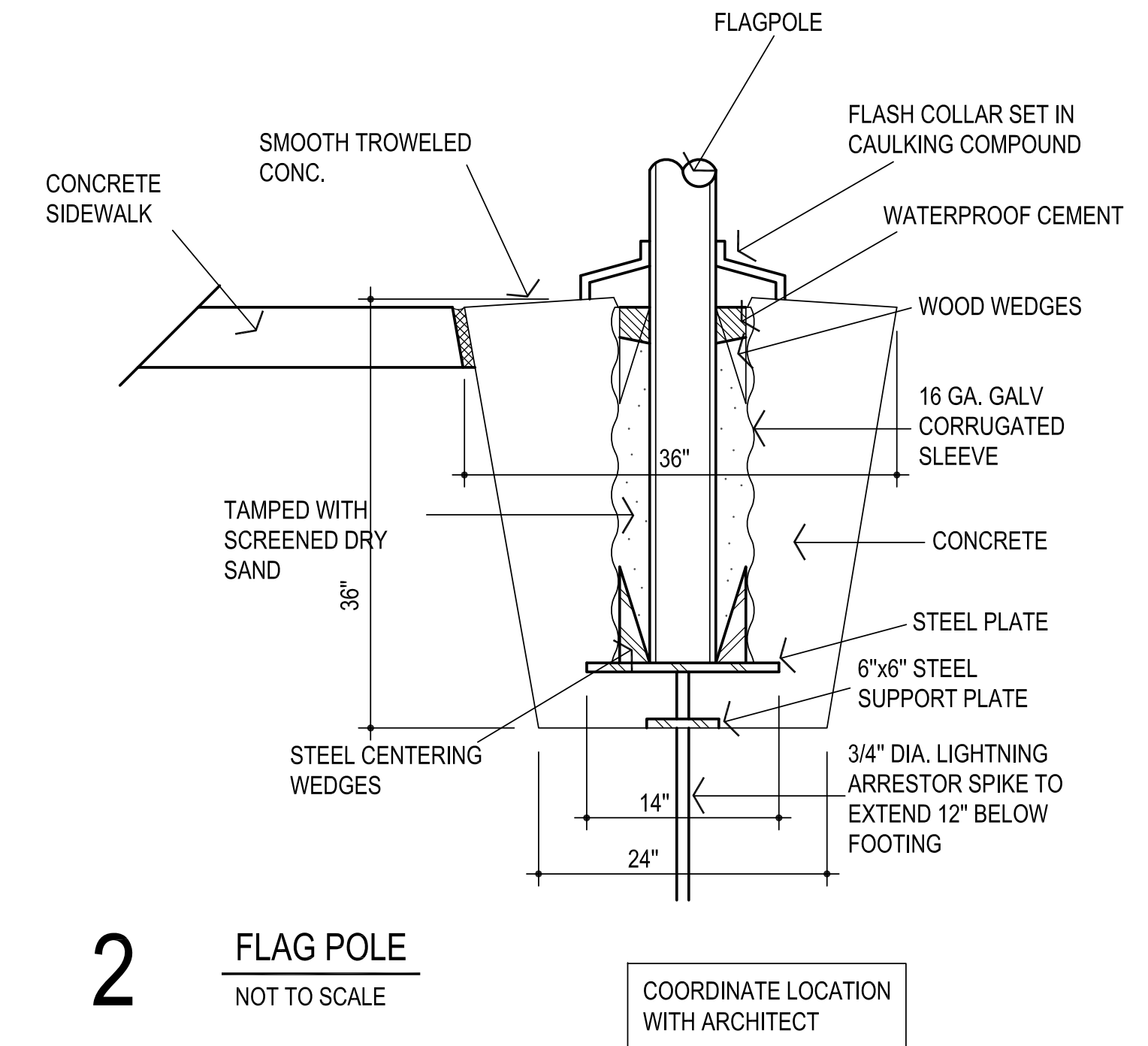
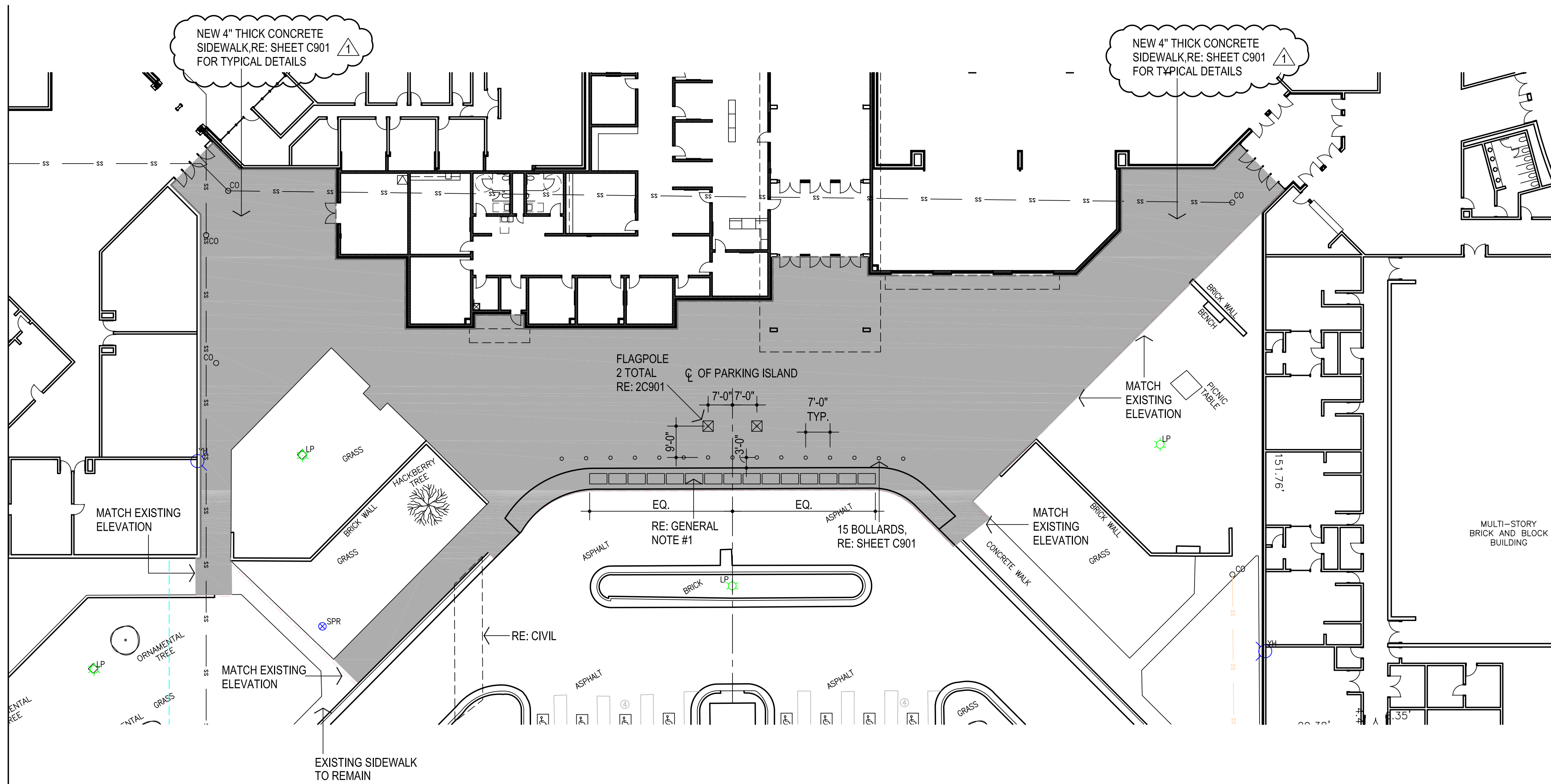
Mechanical, Electrical, Plumbing, and Technology

Refer to attachments.

B. Specifications:

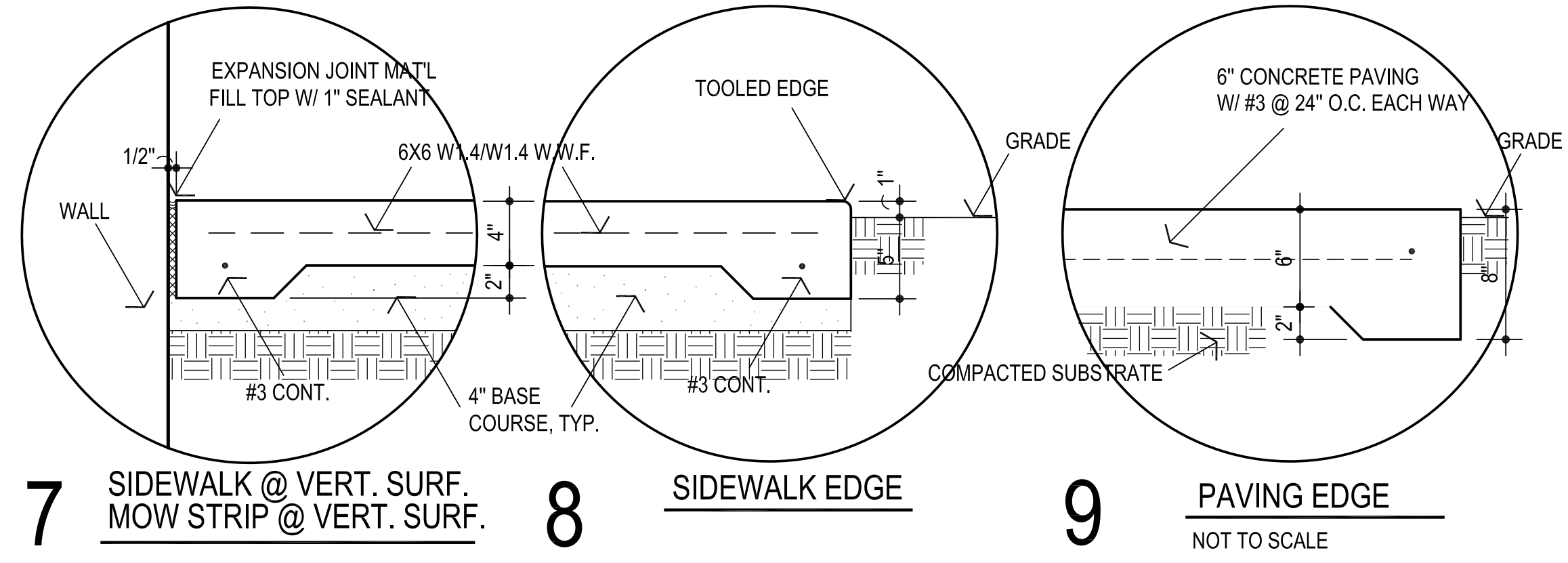
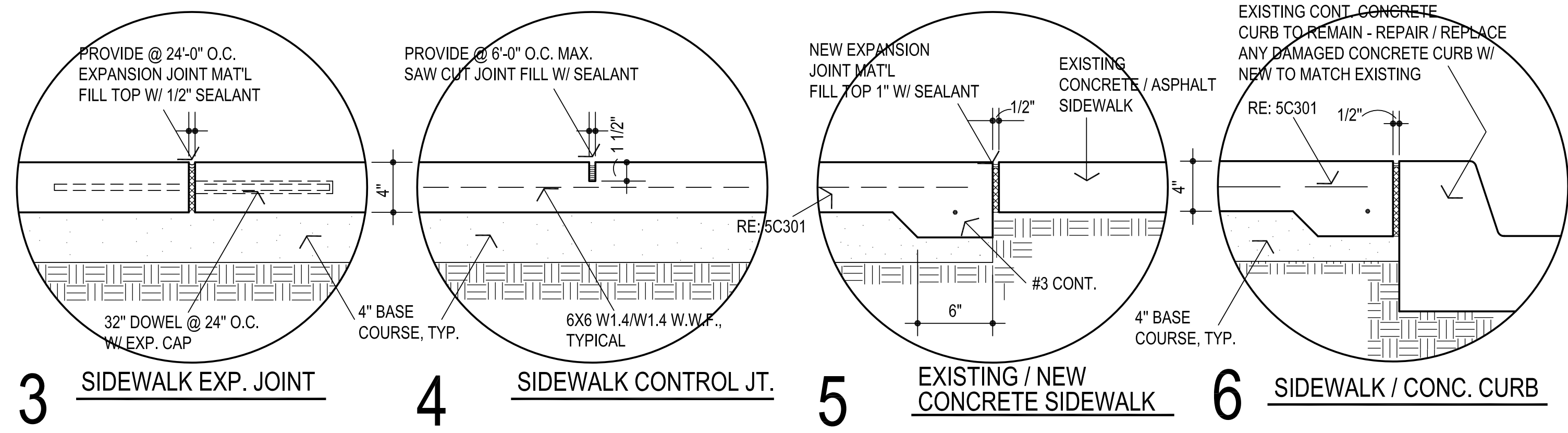
1. Section 07415 – Prefinished Metal Soffit Panels: omit section in its entirety.
2. Section 07424 – Composite Wall Panels: the prefinished metal soffits located at the front entrance of the new addition are to be constructed of the same materials, colors, installation process, etc. as specified for the composite wall panels. Panels are to be 4’ wide x 12’ max. long.

END OF ADDENDUM NO. 1



1 SIDEWALK / PAVING SITE PLAN
1" = 20'-0"

- GENERAL NOTES:**
1. PROVIDE DETECTABLE WARNING W/ DETECTABLE WARNING SYSTEMS / TACTILE PANELS W/ RAISED TRUNCATED DOMES TO MEET ADAAG. IMBED INTO CONCRETE. PROVIDE CLEAN INSTALLATION W/ TOOLED EDGES AROUND PANEL - PANEL EDGES TO BE FLUSH W/ CONCRETE PERIMETER. INSTALL AS PER MFR'S RECOMMENDATIONS. COLOR TO BE "BLACK".
 2. REFER CIVIL FOR GRADING & ADDITIONAL WORK
 3. COORDINATE LOCATION OF FLAG POLE W/ ARCHITECT



CG	drawn by
MA	checked by
AUGUST 2025	date
revisions	
1	ADDENDUM #1



WESTMOORE HIGH
SCHOOL ENTRY
UPGRADES

sheet no:

C901

SIDEWALK / PAVING PLAN

OWNERSHIP USE OF DOCUMENTS:
AGP EXPRESSLY RESERVES ITS
COPYRIGHT AND OTHER PROPERTY
RIGHTS OF ALL PLANS AND DRAWINGS
DESIGNED AND/OR PRODUCED. PLANS
AND DRAWINGS ARE NOT TO BE
REPRODUCED IN ANY FORM OR MANNER
WITHOUT THE EXPRESSED WRITTEN
CONSENT OF AGP.



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drawn by
MA
checked by
AUGUST 2025
date
revisions
1 ADDENDUM #1



WESTMOORE HIGH
SCHOOL ENTRY
UPGRADES

sheet no:

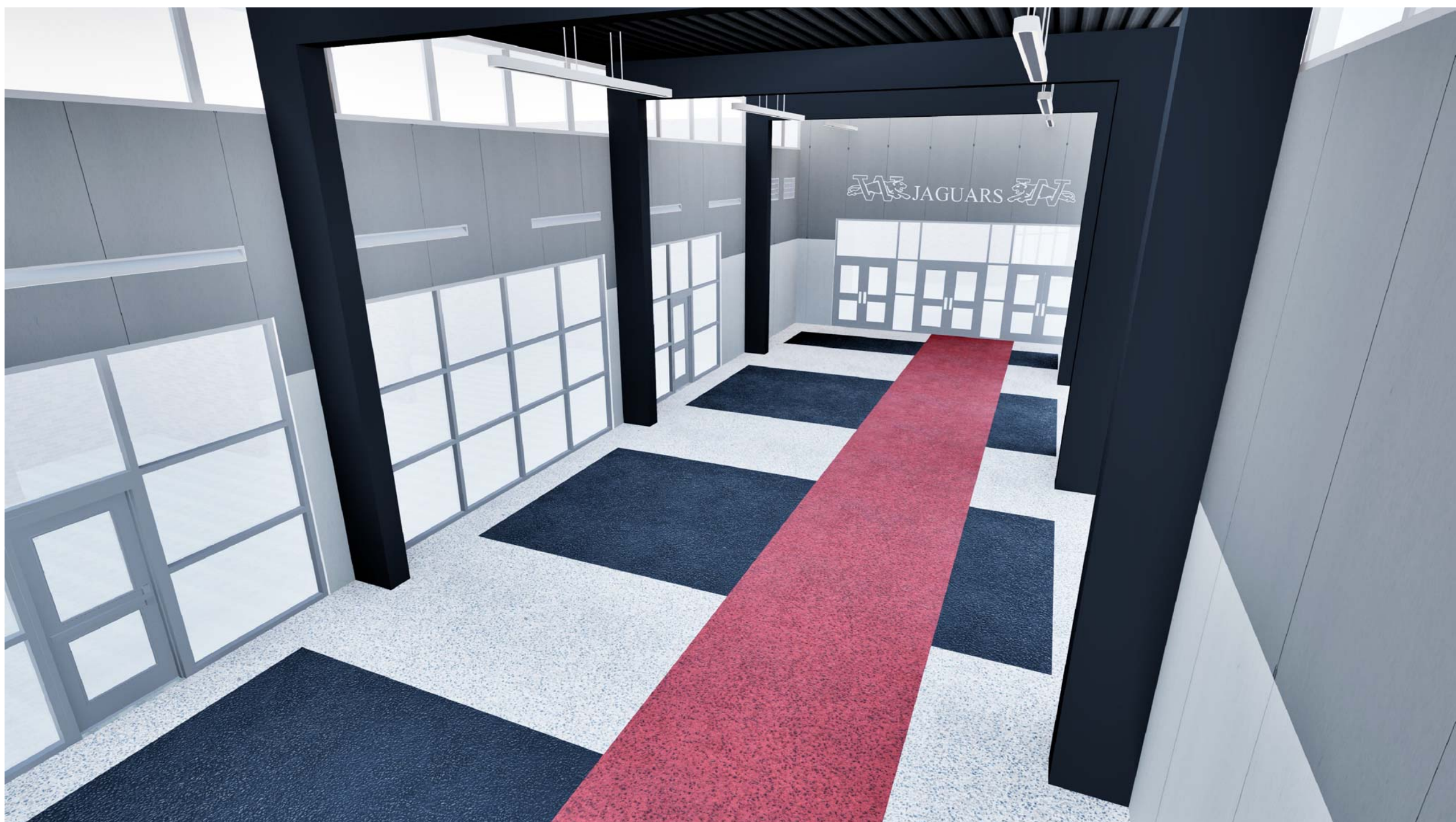
G101
INTERIOR PERSPECTIVE

OWNERSHIP USE OF DOCUMENTS:
AGP EXPRESSLY RESERVES ITS
COPYRIGHT AND OTHER PROPERTY
RIGHTS OF ALL PLANS AND DRAWINGS
DESIGNED AND/OR PRODUCED. PLANS
AND DRAWINGS ARE NOT TO BE
REPRODUCED IN ANY FORM OR MANNER
WITHOUT THE EXPRESSED WRITTEN
CONSENT OF AGP.

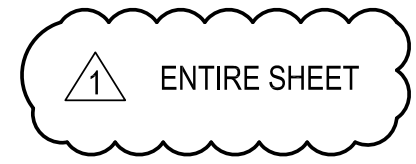
FOR REFERENCE ONLY -
REFER PLANS FOR ALL DIMENSIONS,
MATERIALS, FOOTINGS, ETC.



1 CONCOURSE ROOM #2



2 CONCOURSE ROOM #2





Michael L. Abla
3/2/26

CG

drawn by

MA

checked by

AUGUST 2025

date

revisions

1 ADDENDUM #1



MOORE
PUBLIC SCHOOLS

WESTMOORE HIGH
SCHOOL ENTRY
UPGRADES

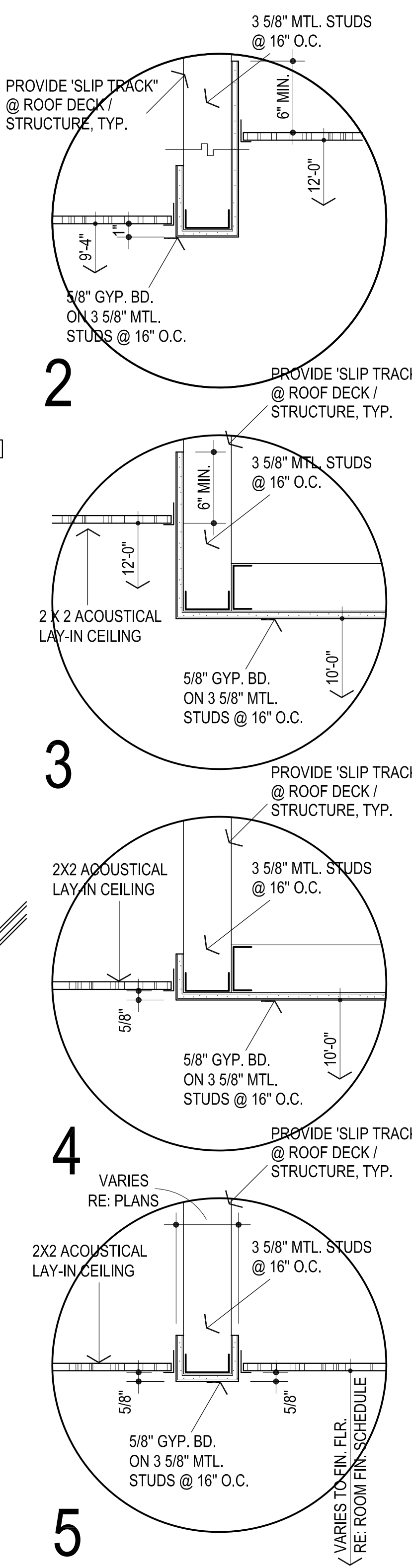
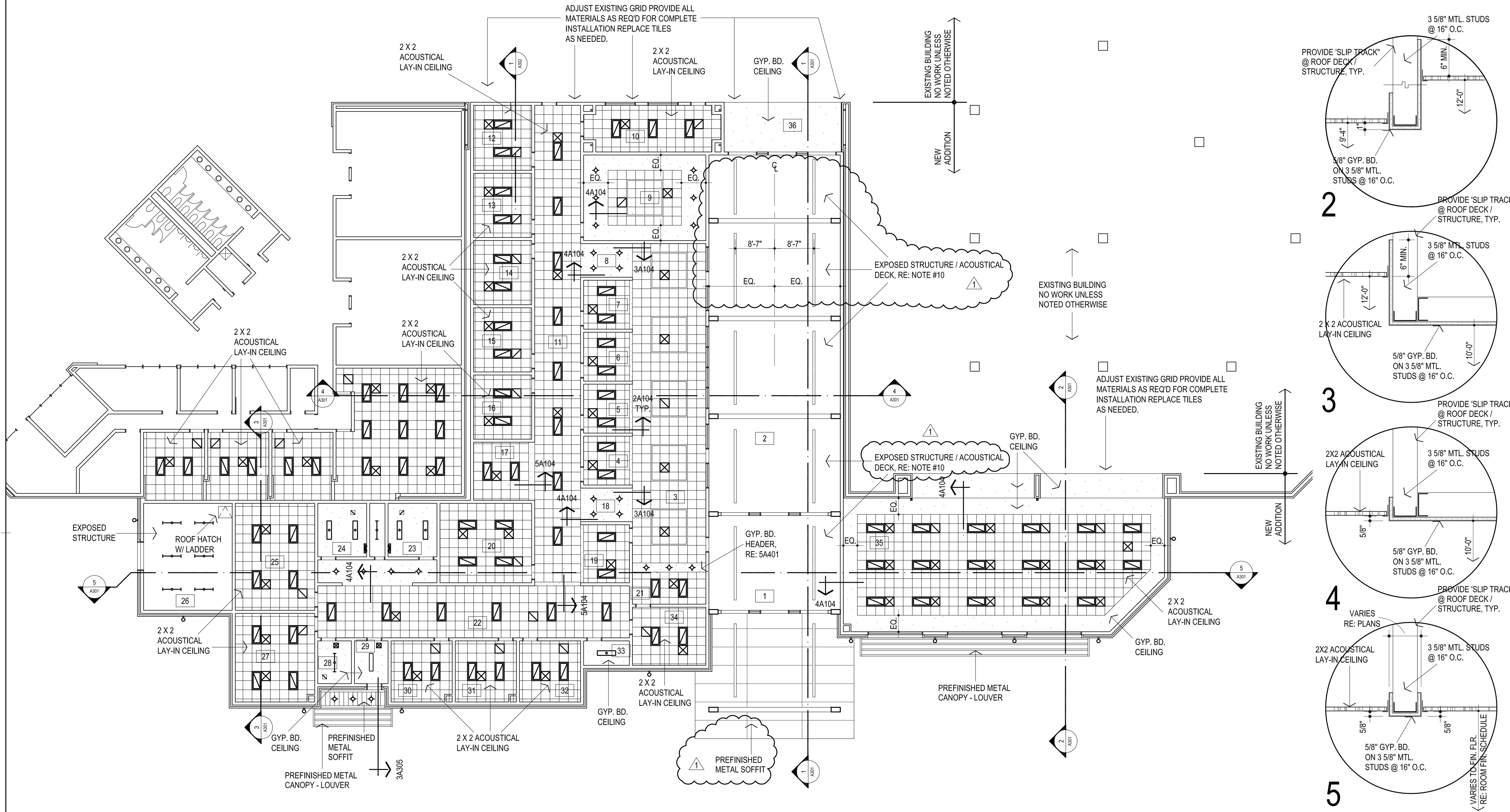
sheet no:

A104

REFLECTED CEILING PLAN

OWNERSHIP USE OF DOCUMENTS:

AGP EXPRESSLY RESERVES ITS
COPYRIGHT AND OTHER PROPERTY
RIGHTS OF ALL PLANS AND DRAWINGS
DESIGNED AND/OR PRODUCED. PLANS
AND DRAWINGS ARE NOT TO BE
REPRODUCED IN ANY FORM OR MANNER
WITHOUT THE EXPRESSED WRITTEN
CONSENT OF AGP.



1 REFLECTED CEILING PLAN
3/32" = 1'-0"

NOTES:

- REFER MECHANICAL & ELECTRICAL FOR ANY ADDITIONAL CEILING MOUNTED FIXTURES
- REFER TO SHEET A100 FOR LOCATIONS OF FIRE-RATED WALLS
- DO NOT SCALE DRAWINGS TO OBTAIN MATERIAL QUANTITIES. USE DRAWINGS WHICH ARE DIMENSIONED OR COORDINATE W/ EXISTING CONDITIONS &/OR ARCHITECT & ENGINEERS.

LEGEND:

	MECHANICAL OPENINGS
	ELECTRICAL FIXTURES
	CEILING MOUNTED SMOKE DETECTOR, RE: ELEC
	INDICATES AREA / ROOM TO RECEIVE GYP. BD. CEILING
	INDICATES AREA / ROOM TO RECEIVE 2X2 LAY-IN CEILING

NOTES:

- ALL CEILINGS TO BE LOCATED AT 10'-0" A.F.F. UNLESS NOTED OTHERWISE.
- THESE DRAWINGS INDICATE THE LIMITS OF FINISHES FOR AREAS THAT HAVE MULTIPLE TYPES AND COLORS. REFER ROOM FINISH SCHEDULE FOR CEILING MATERIAL AND COLOR DESIGNATIONS NOT SHOWN ON THIS SHEET.
- ALL FURRDOWNS SHALL BE PAINTED UNLESS NOTED OTHERWISE.
- ALL CEILING FURRDOWNS SHALL BE BRACED WITH LIGHT GAUGE FRAMING TO PREVENT SWAYING.
- ALL CEILINGS, FURRDOWNS, PIPES, DUCTS, EQUIPMENT, ETC. SHALL BE SUSPENDED FROM STRUCTURAL STEEL ABOVE. DO NOT SUPPORT ITEMS FROM METAL DECK ONLY. REFER STRUCTURAL FOR REQUIREMENTS OF ATTACHMENT TO STEEL.
- MECHANICAL AND ELECTRICAL DISCIPLINES ARE SHOWN FOR INFORMATION PURPOSES ONLY. REFER TO CONSULTANT SHEETS FOR EXACT FIXTURE LOCATIONS. IF DISCREPANCIES ARE FOUND COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.
- COORDINATE LOCATION OF ANY CONTROL JOINTS NOT SHOWN WITH THE ARCHITECT PRIOR TO INSTALLATION.
- PROVIDE DRYWALL CONTROL JOINTS AT WALLS, CEILINGS AND SOFFITS, FURRINGS, ETC., WHERE SHOWN ON DRAWINGS, AND THE FOLLOWING LOCATIONS (SHOWN OR NOT):
A. AT OTHER LOCATIONS WHERE STRUCTURAL SUPPORT FOR FRAMING CHANGES LEVEL OR MATERIAL, OR WHERE DIFFERENTIAL MOVEMENT IS LIKELY TO OCCUR.
B. AT LOCATIONS WHERE CEILING FRAMING MEMBERS CHANGE DIRECTION.
- REFER TO TECHNOLOGY SHEETS & SPECS FOR OTHER CEILING TILE REQUIREMENTS.
- C. AT 30" MAX SPACING IN ANY UNINTERRUPTED STRAIGHT PLANE OR CURVE FOR WALLS, CEILINGS AND SOFFITS (IN TWO DIRECTIONS).
D. AT DOORS, WINDOWS AND OPENINGS LESS THAN OR EQUAL TO 4'-0" WIDE, FROM ONE EDGE OF FRAME, TO TOP OF WALL, AND TO FLOOR IF OPENING DOES NOT EXTEND TO FLOOR.
E. AT DOORS, WINDOWS AND OPENINGS GREATER THAN 4'-0" WIDE, FROM BOTH EDGES OF FRAME, TO TOP OF WALL, AND TO FLOOR IF OPENING DOES NOT EXTEND TO FLOOR.
F. AT BUILDING CONTROL JOINTS, SEISMIC JOINTS AND EXPANSION JOINTS.
G. AT LOCATIONS OF EXTREME DIFFERENCE IN THE DIMENSIONS OF ADJACENT DRYWALL AREAS.

10. CENTER ACOUSTICAL DECK / LIGHT FIXTURES, ETC. IN CONCOURSE ROOM #2 AS NOTED. COORDINATE W/ ARCHITECT.

ADDENDUM 01

Issue Date: May 20, 2026

Project Information

Client: Abla Griffin Partnership
Project Name: Westmoore HS Admin Addition
Project Location: Oklahoma City, OK
Owner: Moore Public Schools
Engineer: Salas O'Brien, LLC

Project No. 2550-01165-00



To Prospective Bidders

▲ This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated February 17, 2026, with amendments and additions noted below.

▲ This Addendum consists of (2) pages and (10) attachments.

- Index of Attachments
 - F101
 - E000
 - E101
 - E201
 - E601
 - T000
 - T201
 - M101
 - M501
 - Earthsmart Controls Proposal

▲ Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may disqualify Bidder.

CHANGES TO BIDDING REQUIREMENTS

▲ The attached Earthsmart Temperature Control proposal shall be included as part of the mechanical bid for this project.



CHANGES TO THE DRAWINGS

Revisions have been made to the following drawings and are issued in the form of full-size plans. Edits are indicated by a revision delta and a cloud surrounding the affected portion of the drawing.

- ▲ F101 FIRE PROTECTION PLAN
 - Refer to clouds and deltas for changes on plans.
- ▲ E000 ELECTRICAL TITLE SHEET
 - Refer to clouds and deltas for changes on plans.
- ▲ E101 ELECTRICAL LIGHTING PLAN
 - Refer to clouds and deltas for changes on plans.
- ▲ E201 ELECTRICAL POWER PLAN
 - Refer to clouds and deltas for changes on plans.
- ▲ E601 ELECTRICAL SCHEDULES
 - Refer to clouds and deltas for changes on plans.
- ▲ T000 TECHNOLOGY NOTES AND LEGENDS
 - Refer to clouds and deltas for changes on plans.
- ▲ T201 TECHNOLOGY FLOOR PLAN
 - Refer to clouds and deltas for changes on plans.
- ▲ M101 MECHANICAL FLOOR PLAN
 - Refer to clouds and deltas for changes on plans.
- ▲ M501 MECHANICAL DETAILS
 - Refer to clouds and deltas for changes on plans.

END OF ADDENDUM 01

EARTHSMART CONTROLS

5305 N Santa Fe Avenue
Oklahoma City, OK 73118

www.earthsmartcontrols.com

Phone: (405) 778-8008
Fax: (866) 676-5602

To: Moore Westmoore High School Bidders
Attn: Estimator

April 1, 2026

This is a proposal to provide controls for the Moore Westmoore High School Entry Upgrades project.

RTUs (7)

- Provide labor to integrate to **factory BACnet controls** and install sensors provided by equipment manufacturer.
- Commission the units to ensure proper operation.

Honeywell WEBS N4 Frontend

- Provide and install new HON-9000 onsite and integrate into N4 supervisor station (graphical user interface).
- JACE is licensed for 10 devices.
- Provide 4 hours of user training.
- ***Provide 1-year parts and labor warranty.***
- Provide graphical representations of equipment listed above.
- Provide custom trending and alarming.
- Provide scheduling capabilities and remote access.

The total price for the control work above is: \$48,731.00
Forty-Eight Thousand Seven Hundred and Thirty-One Dollars

We thank you for the opportunity to bid and look forward to working with you soon.

If you have any questions, please feel free to contact us at (405) 778-8008.

Continued on next page...

EARTHSMART CONTROLS

5305 N Santa Fe Avenue
Oklahoma City, OK 73118

www.earthsmartcontrols.com

Phone: (405) 778-8008
Fax: (866) 676-5602

Exclusions for total job: Any wiring above 24V, RTU controls/sensors, carbon monoxide sensors, smoke detectors and anything not mentioned in this proposal.



Erin Bevill
Controls Manager
EarthSmart Controls, LLC

Company: _____

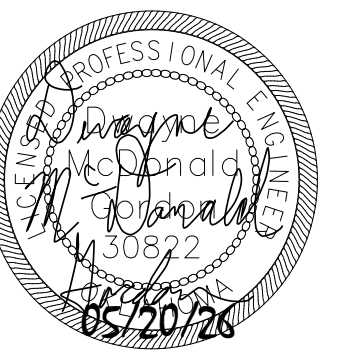
Signature: _____

Date: _____

Printed Name: _____

Title: _____

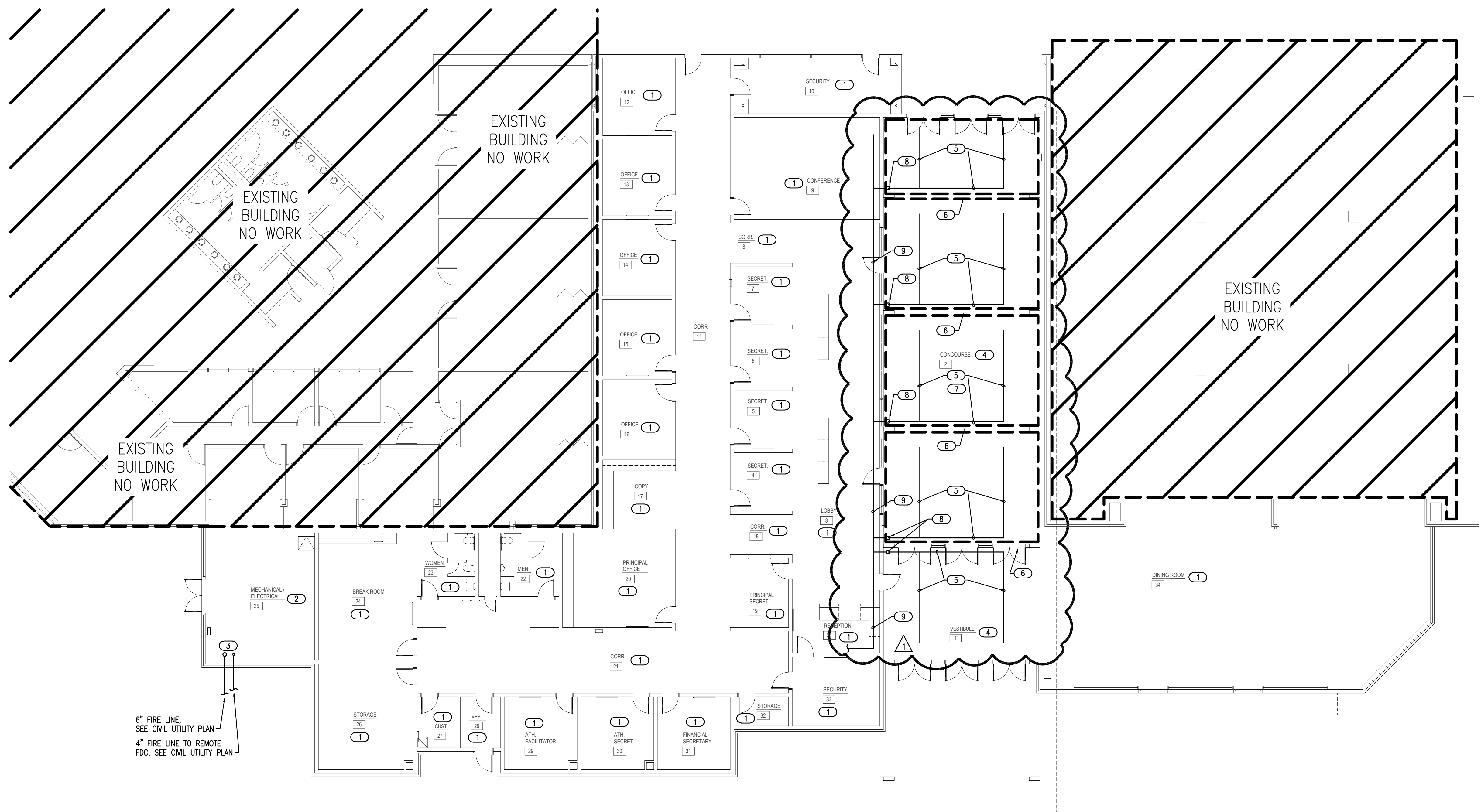
PO #: _____



GENERAL NOTES
1. COORDINATE WORK WITH ALL OTHER TRADES ON SITE.
2. REFER TO GENERAL NOTES ON SHEET F000.
3. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
4. SEMI-RECESSED PENDANT SPRINKLER HEADS IN LAY-IN AND HARD CEILINGS SHALL HAVE WHITE FINISH. EXPOSED UPRIGHT HEADS SHALL BE BRASS WITH WIRE GUARDS.
5. FIRE SEAL ALL PENETRATIONS THRU RATED STRUCTURES TO MAINTAIN FIRE RATING.
6. COORDINATE FIRE DEPARTMENT CONNECTION LOCATIONS WITH LOCAL FIRE DEPARTMENT OR AHJ.
7. COORDINATE INSPECTORS TEST DRAIN LOCATION WITH ALL TRADES ON SITE.

KEYED NOTES
1 LIGHT HAZARD - NEW ADDITION AREA. REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE.
2 ORDINARY HAZARD GROUP 1 - REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE.
3 6" FIRE SPRINKLER RISER. SEE DETAIL 1/F000. SEE PLUMBING PLAN P101 FOR CONTINUATION OF FIRE LINE INTO BUILDING.
4 LIGHT HAZARD - NEW ADDITION AREA. REFER TO ARCHITECTURAL PLANS FOR CEILING HEIGHTS AND TYPE. ROUTE PIPING AS HIGH AS POSSIBLE.
5 COORDINATE ROUTING OF SPRINKLER BRANCH PIPING IN CONCOURSE BAY WITH ALL TRADES. ROUTE PIPING AS HIGH AS POSSIBLE ALONG BEAMS AND RUNOUTS PARALLEL TO CEILING SYSTEM. ALL PIPE HANGERS IN CONCOURSE AREA TO BE COMPATIBLE WITH EPIC ENVISTA FN7.9A ARCHITECTURAL ROOF DECK SYSTEM. SPRINKLER PIPE TO BE EXPOSED AND PAINTED. REFER TO ARCHITECTURAL PLANS FOR DETAILS.

KEYED NOTES
6 DO NOT CROSS FROM ONE BAY TO ANOTHER BAY WITH SPRINKLER PIPING.
7 CONTRACTOR TO SUBMIT DRAFT PIPING AND HEAD LAYOUT FOR THE CONCOURSE AND VESTIBULE TO THE ARCHITECT FOR APPROVAL PRIOR TO COMPLETION OF PERMITTING DOCUMENTS AND SHOP DRAWINGS.
8 DROP SPRINKLER PIPE DOWN ALONG STRUCTURE TO ROUTE ABOVE CEILING IN ADJACENT SPACE TO SPRINKLER MAIN.
9 ROUTE SPRINKLER PIPE SERVING CONCOURSE BAYS AND VESTIBULE ABOVE LAY-IN CEILING.



6" FIRE LINE, SEE CIVIL UTILITY PLAN
4" FIRE LINE TO REMOTE FDC, SEE CIVIL UTILITY PLAN



LIGHT FIXTURE SCHEDULE				
TYPE	SYMBOL	DESCRIPTION	MANUFACTURER	REFERENCE CATALOG #
A1		2X4 LED FLAT PANEL. 36W, 4700 LUMENS, 5000K CT. 0-10V DIMMING.	LITHONIA	CPX 2X4 AL08 80CRI SWW7 SWL MVOLT
A1E		2X4 LED FLAT PANEL. 36W, 4700 LUMENS, 5000K CT. 0-10V DIMMING. 90 MINUTE BATTERY BACKUP.	LITHONIA	CPX 2X4 AL08 80CRI SWW7 SWL MVOLT E10W
A2		2X4 LED FLAT PANEL. 48W, 6000 LUMENS, 5000K CT. 0-10V DIMMING.	LITHONIA	CPX 2X4 AL08 80CRI SWW7 SWL MVOLT
A2E		2X4 LED FLAT PANEL. 48W, 6000 LUMENS, 5000K CT. 0-10V DIMMING. 90 MINUTE BATTERY BACKUP.	LITHONIA	CPX 2X4 AL08 80CRI SWW7 SWL MVOLT E10W
B		1X4 LED FLAT PANEL. 32W, 4000 LUMENS, 3500K CT. 0-10V DIMMING.	LITHONIA	CPX 1X4 AL07 80CRI SWW7 SWL MVOLT DGA14
BE		1X4 LED FLAT PANEL. 32W, 4000 LUMENS, 3500K CT. 0-10V DIMMING. 90 MINUTE BATTERY BACKUP.	LITHONIA	CPX 1X4 AL07 80CRI SWW7 SWL MVOLT E10W DGA14
C1		4" LED DOWNLIGHT. 9W, 1000 LUMENS, 3500K CT. 0-10V DIMMING.	LITHONIA	LBRR6 NCH AL01 SWW1 AR LSS WD MVOLT UGZ
C2		6" LED DOWNLIGHT. 13W, 1400 LUMENS, 3500K CT. 0-10V DIMMING.	LITHONIA	LBRR6 NCH AL02 SWW1 AR LSS WD MVOLT UGZ
C2E		6" LED DOWNLIGHT. 13W, 1400 LUMENS, 3500K CT. 0-10V DIMMING. 90 MINUTE BATTERY BACKUP.	LITHONIA	LBRR6 NCH AL02 SWW1 AR LSS WD MVOLT UGZ E10WCPR
C3		6" LED DOWNLIGHT. 13W, 1400 LUMENS, 3500K CT. 0-10V DIMMING. WET LISTED.	LITHONIA	LBRR6 NCH AL02 SWW1 AR LSS WD MVOLT UGZ10 WL
C3E		6" LED DOWNLIGHT. 13W, 1400 LUMENS, 3500K CT. 0-10V DIMMING. WET LISTED. 90 MINUTE BATTERY BACKUP.	LITHONIA	LBRR6 NCH AL02 SWW1 AR LSS WD MVOLT UGZ10 WL
EX		LED EXIT SIGN, BRUSHED ALUMINUM FACE WITH RED LETTERS, UNIVERSAL FACE AND MOUNTING, 90 MINUTE BATTERY BACKUP.	LIFE SAFETY LIGHTING	LSXDC 3 R A A EM SDT
L1		8" RECESSED LINEAR LED 4.5W/FT, 541 LUMENS/FT, 3500K CT. 0-10V DIMMING.	A-LIGHT	G5 M8' LS 35K U HE XP T D
L1E		8" RECESSED LINEAR LED 4.5W/FT, 541 LUMENS/FT, 3500K CT. 0-10V DIMMING. 90 MINUTE BATTERY BACKUP.	A-LIGHT	G5 M8' LS 35K U HE XP T D E2
L2		12" SUSPENDED LINEAR LED 12W/FT, 1337 LUMENS/FT, 3500K CT. 0-10V DIMMING.	A-LIGHT	G3 M12' LH 35K U HE U S72" T D
L3		16" SUSPENDED LINEAR LED 12W/FT, 1337 LUMENS/FT, 3500K CT. 0-10V DIMMING.	A-LIGHT	G3 M16' LH 35K U HE U S72" T D
L3E		16" SUSPENDED LINEAR LED 12W/FT, 1337 LUMENS/FT, 3500K CT. 0-10V DIMMING. 90 MINUTE BATTERY BACKUP.	A-LIGHT	G3 M16' LH 35K U HE U S72" T D BATTERY BACKUP: LVS - CEPS-150-RT
L4		16" RECESSED LINEAR LED 19W/FT, 1720 LUMENS/FT, 4000K CT. 0-10V DIMMING.	A-LIGHT	G5 M16' LVH 40 U HE XP T D Q
L4E		16" RECESSED LINEAR LED 19W/FT, 1720 LUMENS/FT, 4000K CT. 0-10V DIMMING. 90 MINUTE BATTERY BACKUP.	A-LIGHT	G5 M16' LVH 40 U HE XP T D Q BATTERY BACKUP: LVS - CEPS-250-RT
R		8"X8" SQUARE LED FIXTURE. 13.5W/FT, 400 LUMENS/FT, 3500K CT. 0-10V DIMMING.	A-LIGHT	ACL5 PR8 C400 35 U HE X W D
RE		8"X8" SQUARE LED FIXTURE. 13.5W/FT, 400 LUMENS/FT, 3500K CT. 0-10V DIMMING. 90 MINUTE BATTERY BACKUP.	A-LIGHT	ACL5 PR8 C400 35 U HE X W D BATTERY BACKUP: LVS - CEPS-250-RT
S		4" LED STRIP FIXTURE. 35W, 5000 LUMENS, 4000K CT. MULTIPLE MOUNTING TYPES.	LITHONIA	CSS L48 AL03 MVOLT SWW3 80CRI
SE		4" LED STRIP FIXTURE. 35W, 5000 LUMENS, 4000K CT. MULTIPLE MOUNTING TYPES. 90 MINUTE BATTERY BACKUP.	LITHONIA	CSS L48 AL03 MVOLT SWW3 80CRI IEW10WCPHE
V		2" LED VANITY FIXTURE 18W, 1700 LUMENS, 3500K CT 0-10V DIMMING	LITHONIA	FMVCSLS 24IN MVOLT 30K35K40K 90CRI BN

GENERAL NOTES:
EQUIVALENT ALTERNATE LIGHT FIXTURES MAY BE PROVIDED FOR BIDDING PURPOSES. THE ENGINEER DOES NOT TAKE RESPONSIBILITY FOR ENSURING ALTERNATE LIGHT FIXTURES USED FOR BIDDING ARE EQUAL; THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALTERNATE FIXTURES ARE EQUIVALENT TO THOSE SPECIFIED PRIOR TO BID. THE WINNING BID PACKAGE SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW IN ACCORDANCE WITH THE SPECIFICATIONS.

LIGHT FIXTURE SCHEDULE (CONT.)				
TYPE	SYMBOL	DESCRIPTION	MANUFACTURER	REFERENCE CATALOG #
WS1		4" ROUND LED WALL SCONCE 31W, 1500 LUMENS UP AND DOWN, 4000K CT. 0-10V DIMMING. WET LISTED.	GOTHAM	IC04UDWC 40/15 AR LSS 200 SDOB U15LM U20D USDOB MVOLT GZ10 JBX WL
WS2		4" ROUND LED WALL SCONCE 15W, 1500 LUMENS DOWN, 4000K CT. 0-10V DIMMING. WET LISTED.	GOTHAM	IC04UDWC 40/15 AR LSS 200 SDOB MVOLT GZ10 JBX WL
WW		12" LED WALL WASH 9.7W/FT, 771 LUMENS/FT, 3500K CT. 0-10V DIMMING.	A-LIGHT	ACL3ST M12 LH 35 U WW WA12" B D

ELECTRICAL ABBREVIATIONS

AC	ABOVE COUNTERTOP	MC	MECHANICAL CONTRACTOR
AFF	ABOVE FINISH FLOOR	MCA	MINIMUM CIRCUIT AMPS
AFG	ABOVE FINISH GRADE	MCB	MAIN CIRCUIT BREAKER
ANNC	ANNUNCIATOR	MDP	MAIN DISTRIBUTION PANEL
CC	CONTROLS CONTRACTOR	MLO	MAIN LUG ONLY
DF	DRINKING FOUNTAIN	MTD	MOUNTED
EC	ELECTRICAL CONTRACTOR	NIC	NOT IN CONTRACT
EF	EXHAUST FAN	OCC	OCCUPANCY
ERMS	ENERGY REDUCTION MAINTENANCE SWITCH	PC	PLUMBING CONTRACTOR
EX	EXISTING	PNL	PANEL
EXR	EXISTING RELOCATED	SPST	SINGLE POLE SINGLE THROW
GC	GENERAL CONTRACTOR	TTB	TELEPHONE TERMINAL BOARD
GFI	GROUND FAULT INTERRUPT	TYP	TYPICAL
HP	HORSEPOWER	WG	WIRE GUARD
IBC	INTERNATIONAL BUILDING CODE	WP	WEATHER PROOF
IG	ISOLATED GROUND	20A	20 AMP
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, AND GROUND	Ø	PHASE
LV	LOW VOLTAGE	3W	3 WIRE
LVRP	LV RELAY PANEL	1P20A	SINGLE POLE 20 AMP

SWITCH LEGEND	
SYMBOL	DESCRIPTION
	20A, 120/277V SPST SWITCH
	20A, SPST SWITCH
	20A, 120/277V LETTER INDICATES GROUP
	20A, 120/277V 3-WAY
	20A, 120/277V 4-WAY
	DIMMER SWITCH
	KEY OPERATED SWITCH
	OCCUPANCY SENSOR SWITCH

GENERAL NOTE:
SEE SPECIFICATIONS FOR MANUFACTURERS

RECEPTACLE SCHEDULE	
SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE
	20A, 120V, 2P, 3W GROUNDING DUPLEX RECEPTACLE
	RECEPTACLE MTD, 6" ABOVE COUNTER OR HGT SHOWN
	GFCI RECEPTACLE
	GFCI RECEPTACLE, MTD, 6" ABOVE COUNTER OR HGT SHOWN
	20A, 120V, 2P, 3W GROUNDING DUPLEX GFCI RECEPTACLE - WEATHER PROOF (IN USE COVER)
	FLOOR BOX
	JUNCTION BOX, AS NOTED
	QUADPLEX RECEPTACLE

GENERAL NOTE:
SEE SPECIFICATIONS FOR MANUFACTURERS

GENERAL ELECTRICAL NOTES

- CONTRACTOR TO VERIFY EXISTING ELECTRICAL CONDITIONS AND NOTIFY ARCHITECT/ENGINEER OF ANY ELECTRICAL OR CODE ISSUES PRIOR TO BID. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE AND OPERATIONAL CODE COMPLIANT SYSTEM.
- ALL WORK SHALL BE IN CONFORMANCE WITH NATIONAL, STATE, AND LOCAL CODES AND/OR ORDINANCES.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER CONTRACTORS & LOCAL UTILITY, E.G. SHALL CONTACT LOCAL UTILITY FOR EXACT SERVICE REQUIREMENTS TO INCLUDE BUT NOT LIMITED TO TRANSFORMER, METERING AND CABLING. LOCAL UTILITY REQUIREMENTS SUPERSEDE DRAWINGS AND SPECIFICATIONS.
- SEE ARCHITECTURAL, MECHANICAL, & PLUMBING DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY. THEY ARE INTENDED TO GIVE APPROXIMATE LOCATIONS AND OVERALL DESIGN INTENT. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCTS, MATERIALS, AND ELECTRICAL METHODS WHICH HAVE NOT BEEN SHOWN OR INDICATED BUT ARE REQUIRED FOR A COMPLETE SYSTEM TO THE STANDARDS OF THE INDUSTRY.
- INSTALL LIGHTING FIXTURES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE SUPPORTING DEVICES FOR ADEQUATE SUPPORT OF FIXTURES FROM STRUCTURE.
- UPON COMPLETION OF THE ELECTRICAL WORK, THE INSTALLATION SHALL BE TESTED FOR CONTINUITY, GROUNDS, AND SHORT CIRCUITS. THE ELECTRICAL CONTRACTOR SHALL DEMONSTRATE PROPER PERFORMANCE OF ALL SYSTEMS. ALL DEFECTIVE WORK OR MATERIALS SHALL BE REPLACED OR REPAIRED AS NECESSARY AND RETESTED.
- ELECTRICAL RACEWAYS THAT PENETRATE FIRE RATED ASSEMBLIES SHALL BE SLEEVED AND SEALED AS PER THE LOCAL BUILDING CODE.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE A TEMPORARY ELECTRICAL SYSTEM FOR THE PROJECT. AT LEAST ONE 120 VOLT SINGLE PHASE RECEPTACLE SHALL BE PROVIDED FOR EACH 500 SQUARE FEET OF FLOOR SPACE. SUFFICIENT TEMPORARY LIGHTING SHALL BE PROVIDED TO ALLOW ALL CONTRACTORS TO COMPLETE THEIR WORK. TEMPORARY ELECTRICAL CIRCUITS SHALL BE EQUIPPED WITH COMBINATION GROUND FAULT INTERRUPTER AND CIRCUIT BREAKER PER NEC. TEMPORARY ELECTRICAL SYSTEM SHALL BE INCLUDED IN THIS BID. USAGE CHARGES SHALL BE PAID FOR BY THE GENERAL CONTRACTOR.

ELECTRICAL LEGEND

	PANEL BOARD
	DISTRIBUTION PANEL BOARD
	TRANSFORMER
	UTILITY METER
	SEPARATE CIRCUIT BREAKER
	DISCONNECT
	FUSED DISCONNECT SWITCH
	EMERGENCY FUSED DISCONNECT SWITCH
	MOTOR STARTER/CONTRACTOR
	COMBINATION MOTOR STARTER
	PUSH BUTTON STATION AS NOTED
	PULL BOX, SIZE AS REQUIRED BY CODE
	ELECTRICAL CONNECTION
	MOTOR CONNECTION
	HOME RUN TO PANEL BOARD
	REMOTE, BLANK FACE GFCI DEVICE

ELECTRICAL SHEET INDEX

E000	ELECTRICAL TITLE SHEET
ED101	ELECTRICAL DEMOLITION PLAN
E001	ELECTRICAL INFRASTRUCTURE PLAN
E101	ELECTRICAL LIGHTING PLAN
E201	ELECTRICAL POWER PLAN
E202	ELECTRICAL ROOF PLAN
E401	ELECTRICAL ONE-LINE DIAGRAM
E501	ELECTRICAL DETAILS
E601	ELECTRICAL SCHEDULES

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MOORE
PUBLIC SCHOOLS

WESTMOORE HIGH
SCHOOL ENTRY
UPGRADES

sheet no:

E000

Salas O'Brien

Salas O'Brien, Inc. - Oklahoma City
2900 S. Telephone Road, Suite 120
Moore, OK 73160
CA# 9820 Expiration Date: 6/30/2027
Salas O'Brien Project Number: 2550-01165-00

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KEYED NOTES

- 8 CONDUIT AND WIRING FOR CANOPY L4 AND L4E FIXTURES SHALL BE FULLY CONCEALED AND ROUTED THROUGH CONNECTION TO BUILDING. CIRCUITS SHALL BE FED FROM THE NORTH END OF THE CONCOURSE AND BE ROUTED IN THE SAME CHANNEL(S) AS THE L2 AND L3 FIXTURES.
- 9 WIRING SHOWN OUTSIDE BUILDING FOR CLARITY OF CIRCUITING. ALL CONDUIT AND WIRING FOR EXTERIOR FIXTURES SHALL BE CONCEALED IN THE BUILDING.
- 10 HINGED ACCESS PANEL REQUIRED FOR JUNCTION BOXES IN AREAS UTILIZING 'ENVISTA' STRUCTURAL CEILING. COORDINATE ALL JUNCTION BOX LOCATIONS WITH THE ARCHITECT PRIOR TO ROUGH-IN. REFER TO KEYED NOTES #6 & #8 ON THIS SHEET FOR ADDITIONAL INFORMATION.
- 11 CONDUIT AND WIRING BETWEEN FIXTURES TYPE 'WS1' AT THIS LOCATION SHALL BE ROUTED BELOW GRADE TO AVOID CANOPY.

KEYED NOTES

- 1 CONNECT NEW LIGHT FIXTURES IN THIS AREA TO EXISTING CIRCUITING. REFER TO SHEET 'ED101' FOR ADDITIONAL INFORMATION.
- 2 FIXTURE TO BE FED FROM BELOW GRADE WITH CONDUIT ROUTED THROUGH NEW CMU WALL. COORDINATE MOUNTING HEIGHT WITH THE ARCHITECT PRIOR TO INSTALLATION.
- 3 MOUNT EXIT SIGNS IN THIS AREA TO STORE FRONT MULLION. ASSOCIATED CONDUITS SHALL BE CONCEALED WITHIN WALL OR MULLION.
- 4 MOUNT LIGHT FIXTURE 9' 4" TO CENTER UNLESS OTHERWISE NOTED.
- 5 MOUNT LIGHT FIXTURE 11' 4" TO CENTER UNLESS OTHERWISE NOTED.
- 6 CONDUITS FOR LIGHT FIXTURE TYPES L2, L3, AND L4 SHALL BE ROUTED NORTH TO SOUTH WITHIN THE 'ENVISTA' STRUCTURAL CEILING SYSTEM. ALL CIRCUITS SHALL ORIGINATE FROM THE NORTH END AND EXTEND SOUTH. CONDUITS SHALL BE ROUTED WITHIN INDIVIDUAL CEILING SYSTEM CHANNEL AND SHALL NOT BE ROUTED EAST TO WEST BETWEEN CHANNELS.
- 7 CONDUITS FOR CIRCUITS AS LISTED IN KEYED NOTE #6 SHALL ORIGINATE ABOVE THE CEILING IN THIS AREA AND BE ROUTED WITHIN THE WALL CAVITY UP TO THE STRUCTURAL CEILING SYSTEM

GENERAL NOTES

- 1. OCCUPANCY SENSOR LOCATIONS SHOWN ARE FOR DESIGN INTENT ONLY. LOCATE OCCUPANCY SENSORS PER MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
- 2. CONNECT BATTERY PACKS TO UNSWITCHED HOT OF LOCAL LIGHTING CIRCUIT.
- 3. COORDINATE WITH ALL ASSOCIATED TRADES FOR THE EXACT LOCATIONS OF LIGHT FIXTURES WITH HVAC EQUIPMENT AND OTHER DEVICES/EQUIPMENT.
- 4. COORDINATE WITH THE ARCHITECT, OWNER, AND ASSOCIATED TRADES FOR THE EXACT HEIGHT/LOCATION OF EXTERIOR MOUNTED LIGHTING FIXTURES PRIOR TO ROUGH-IN.
- 5. LABEL SWITCH PLATES AND J-BOXES WITH CIRCUIT PER SPECS.
- 6. COORDINATE LIGHT SWITCHES WITH THERMOSTATS AND OTHER WALL MOUNT DEVICES.
- 7. EXTERIOR LIGHTING SHALL BE CONTROLLED BY RELAY TO INTERLOCK WITH EXISTING EXTERIOR LIGHTING CONTROLS. EC SHALL FIELD INVESTIGATE AND REPORT ANY ANOMALIES TO THE ARCHITECT AND ENGINEER PRIOR TO PROCEEDING.
- 8. ALL CONDUITS WITHIN THE CONCOURSE AREA SHALL BE CONCEALED AS INDICATED IN THE KEYED NOTES. ANY CONDUIT REQUIRED TO BE EXPOSED SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO ROUGH-IN AND SHALL BE MOUNTED HIGH AND TIGHT TO MINIMIZE VISIBILITY.



▲ FULL SHEET



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WESTMOORE HIGH
SCHOOL ENTRY
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WESTMOORE HIGH
SCHOOL ENTRY
UPGRADES

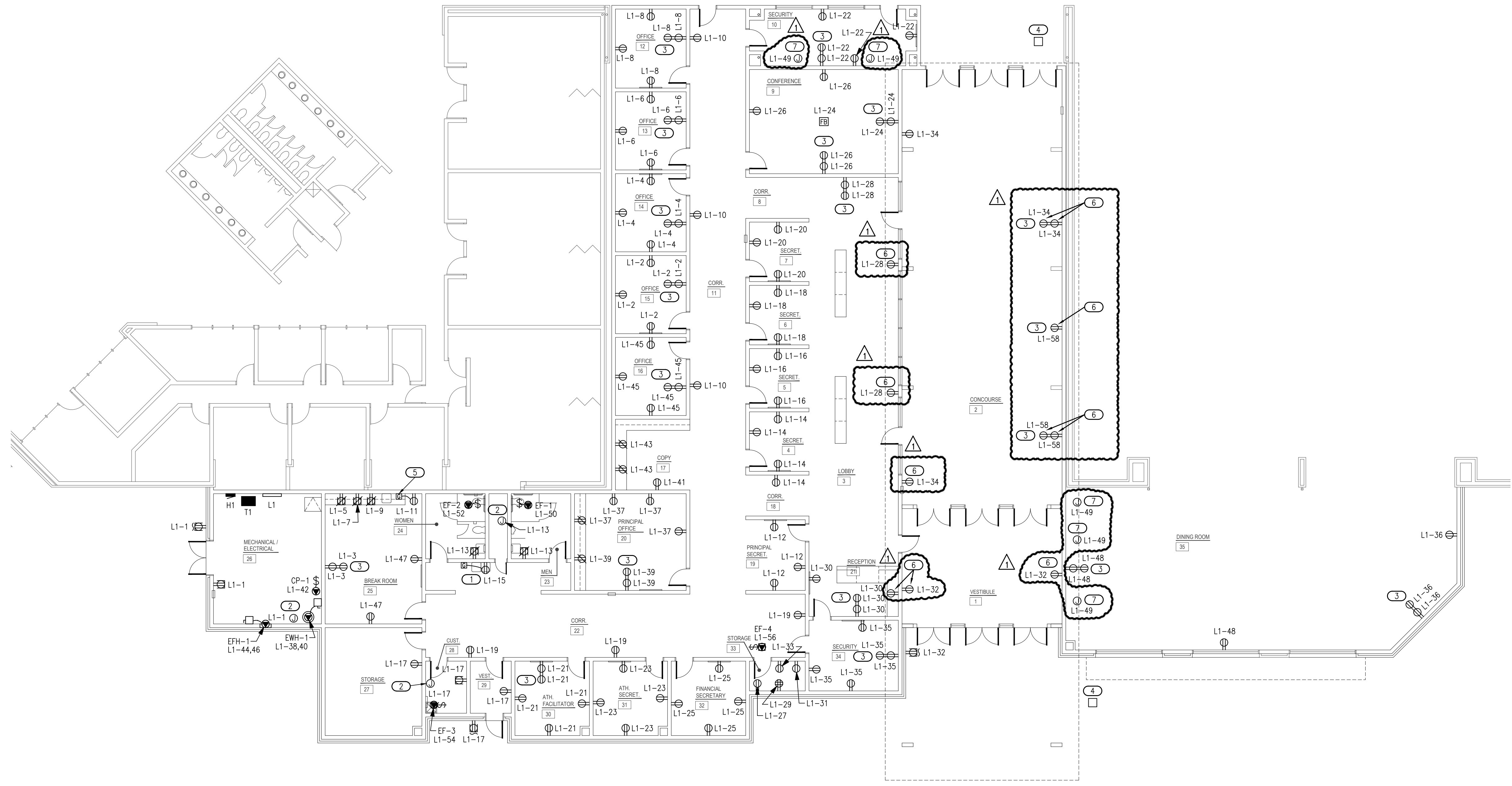
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- KEYED NOTES**
- PROVIDE DEDICATED 120V WATER COOLER CONNECTION. PROVIDE REMOTE BLANK FACE GFCI DEVICE OUTSIDE OF WATER COOLER HOUSING. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH THE PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
 - PROVIDE 120V CONNECTION FOR TRAP PRIMER. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH THE PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
 - PROVIDE 120V CONNECTION FOR TV DISPLAY. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH THE TECHNOLOGY DRAWINGS AND LOW VOLTAGE CONTRACTOR PRIOR TO ROUGH-IN.
 - PROVIDE NEW PULL-BOXES AS REQUIRED TO RELOCATE THE EXISTING SITE LIGHTING FEED. NEW BOXES SHALL BE LOCATED AT THE NEAREST ACCESSIBLE LOCATION TO THE EXISTING FEED WITHIN THE BUILDING AND ON THE EXTERIOR OF THE NEW ADDITION. PROVIDE ALL WIRE, CONDUIT, AND ANY OTHER ITEMS REQUIRED TO RELOCATE THE EXISTING FEED. COORDINATE FINAL LOCATIONS WITH THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING. REFER TO 'ED101' FOR ADDITIONAL INFORMATION.
 - PROVIDE REMOTE BLANK FACE DEVICE FOR REFRIGERATOR CIRCUIT. LOCATE DEVICE IN AN ACCESSIBLE LOCATION ABOVE COUNTER.
 - RECEPTACLE(S) TO BE FED FROM BELOW GRADE WITH CONDUIT ROUTED THROUGH NEW CMU WALL.
 - PROVIDE 120V CONNECTION FOR FIRE & SMOKE DAMPER ACTUATOR. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH THE MECHANICAL CONTRACTOR ON SITE.

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



MECHANICAL EQUIPMENT SCHEDULE											
CALLOUT	DESCRIPTION	VOLTS	HP	KVA	MCA	MOCP	CIRCUIT	WIRE CALLOUT	DISCONNECT	DISC PROV BY	DISC INST BY
CP-1	CIRCULATION PUMP	120V 1P 2W	1/6 HP	0.53			L1-42	3/4"C,1#12,#12N,#12G	TOGGLE SWITCH	EC	EC
EF-1	EXHAUST FAN	120V 1P 2W		0.22			L1-50	3/4"C,1#12,#12N,#12G	TOGGLE SWITCH	EC	EC
EF-2	EXHAUST FAN	120V 1P 2W		0.22			L1-52	3/4"C,1#12,#12N,#12G	TOGGLE SWITCH	EC	EC
EF-3	EXHAUST FAN	120V 1P 2W		0.22			L1-54	3/4"C,1#10,#10N,#10G	TOGGLE SWITCH	EC	EC
EF-4	EXHAUST FAN	120V 1P 2W		0.17			L1-56	3/4"C,1#10,#10N,#10G	TOGGLE SWITCH	EC	EC
EFH-1	ELECTRIC FAN FORCED HEATER	208V 2P 2W		3			L1-44,46	3/4"C,2#12,#12G	NON-FUSED	MFR	EC
EW-1	ELECTRIC WATER HEATER	208V 2P 2W		4.5			L1-38,40	3/4"C,2#10,#10G	NON-FUSED	EC	EC
RTU-1	ROOF TOP UNIT	480V 3P 3W		30.76	37	40	H1-1,3,5	3/4"C,3#8,#10G	NON-FUSED	MFR	MFR
RTU-2	ROOF TOP UNIT	480V 3P 3W		30.76	37	40	H1-7,9,11	3/4"C,3#8,#10G	NON-FUSED	MFR	MFR
RTU-3	ROOF TOP UNIT	480V 3P 3W		11.64	14	15	H1-13,15,17	3/4"C,3#10,#10G	NON-FUSED	MFR	MFR
RTU-4	ROOF TOP UNIT	480V 3P 3W		18.29	22	25	H1-19,21,23	3/4"C,3#10,#10G	NON-FUSED	MFR	MFR
RTU-5	ROOF TOP UNIT	480V 3P 3W		11.64	14	15	H1-25,27,29	3/4"C,3#10,#10G	NON-FUSED	MFR	MFR
RTU-6	ROOF TOP UNIT	480V 3P 3W		11.64	14	15	H1-31,33,35	3/4"C,3#10,#10G	NON-FUSED	MFR	MFR
RTU-7	ROOF TOP UNIT	480V 3P 3W		11.64	14	15	H1-37,39,41	3/4"C,3#10,#10G	NON-FUSED	MFR	MFR

MECHANICAL EQUIPMENT SCHEDULE											
CALLOUT	DESCRIPTION	VOLTS	HP	KVA	MCA	MOCP	CIRCUIT	WIRE CALLOUT	DISCONNECT	DISC PROV BY	DISC INST BY
CP-1	CIRCULATION PUMP	120V 1P 2W	1/6 HP	0.53			L1-42	3/4"C,1#12,#12N,#12G	TOGGLE SWITCH	EC	EC
EF-1	EXHAUST FAN	120V 1P 2W		0.22			L1-50	3/4"C,1#12,#12N,#12G	TOGGLE SWITCH	EC	EC
EF-2	EXHAUST FAN	120V 1P 2W		0.22			L1-52	3/4"C,1#12,#12N,#12G	TOGGLE SWITCH	EC	EC
EF-3	EXHAUST FAN	120V 1P 2W		0.22			L1-54	3/4"C,1#10,#10N,#10G	TOGGLE SWITCH	EC	EC
EF-4	EXHAUST FAN	120V 1P 2W		0.17			L1-56	3/4"C,1#10,#10N,#10G	TOGGLE SWITCH	EC	EC
EFH-1	ELECTRIC FAN FORCED HEATER	208V 2P 2W		3			L1-44,46	3/4"C,2#12,#12G	NON-FUSED	MFR	EC
EW-1	ELECTRIC WATER HEATER	208V 2P 2W		4.5			L1-38,40	3/4"C,2#10,#10G	NON-FUSED	EC	EC
RTU-1	ROOF TOP UNIT	480V 3P 3W		30.76	37	40	H1-1,3,5	3/4"C,3#8,#10G	NON-FUSED	MFR	MFR
RTU-2	ROOF TOP UNIT	480V 3P 3W		30.76	37	40	H1-7,9,11	3/4"C,3#8,#10G	NON-FUSED	MFR	MFR
RTU-3	ROOF TOP UNIT	480V 3P 3W		11.64	14	15	H1-13,15,17	3/4"C,3#10,#10G	NON-FUSED	MFR	MFR
RTU-4	ROOF TOP UNIT	480V 3P 3W		18.29	22	25	H1-19,21,23	3/4"C,3#10,#10G	NON-FUSED	MFR	MFR
RTU-5	ROOF TOP UNIT	480V 3P 3W		11.64	14	15	H1-25,27,29	3/4"C,3#10,#10G	NON-FUSED	MFR	MFR
RTU-6	ROOF TOP UNIT	480V 3P 3W		11.64	14	15	H1-31,33,35	3/4"C,3#10,#10G	NON-FUSED	MFR	MFR
RTU-7	ROOF TOP UNIT	480V 3P 3W		11.64	14	15	H1-37,39,41	3/4"C,3#10,#10G	NON-FUSED	MFR	MFR

Panel	ROOM	MOUNTING SURFACE	VOLTS	208Y/277V 3P 4W	AIC	10,000	
H1		UTILITY	480Y	277V 3P 4W	22,000		
			BUS AMPS	400	MAIN BKR	400	
			NEUTRAL	100%	LUGS	STANDARD	
NOTE							
CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION
1	40/3	30.8	RTU-1	2	70/3	35.9	XFMR T1
3				4			
5				6			
7	40/3	30.8	RTU-2	8	20/1	1.31	LIGHTING
9				10	20/1	1.94	LIGHTING
11				12	20/1	2.35	LIGHTING
13	15/3	11.6	RTU-3	14	20/1	2.32	LIGHTING
15				16	20/1	0.816	LIGHTING
17				18	20/1	0.925	LIGHTING
19	25/3	18.3	RTU-4	20	20/1	0	SPACE
21				22	20/1	0	SPACE
23				24	20/1	0	SPACE
25	15/3	11.6	RTU-5	26	20/1	0	SPACE
27				28	20/1	0	SPACE
29				30	20/1	0	SPACE
31	15/3	11.6	RTU-6	32	20/1	0	SPACE
33				34	20/1	0	SPACE
35				36	20/1	0	SPACE
37	15/3	11.6	RTU-7	38	20/1	0	SPACE
39				40	20/1	0	SPACE
41				42	20/1	0	SPACE

	CONN KVA	CALC KVA		CONN KVA	CALC KVA
LIGHTING	9.67	12.1	(125%)	MOTORS	128
LARGEST MOTOR	30.8	7.69	(25%)	RECEPTACLES	27.1
				HEATING	7.5
				TOTAL LOAD	174
				BALANCED 3-PHASE LOAD	209 A
				PHASE A	100%
				PHASE B	100%
				PHASE C	99.3%

Panel	ROOM	MOUNTING SURFACE	VOLTS	208Y/20V 3P 4W	AIC	10,000	
L1		T1	208Y	120V 3P 4W	10,000		
			BUS AMPS	125	MAIN BKR	125	
			NEUTRAL	100%	LUGS	STANDARD	
NOTE [DOUBLE TUB]							
CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION
1	20/1	0.41	RECEPTACLE, RM 26 RECEPTACLE, TRAP PRIMER	2	20/1	0.9	RM 15 RECEPTACLE, TV
3	20/1	0.36	RM 25 RECEPTACLE, TV	4	20/1	0.9	RM 14 RECEPTACLE, TV
5	20/1	0.18	RM 25 RECEPTACLE	6	20/1	0.9	RM 13 RECEPTACLE, TV
7	20/1	0.18	RM 25 RECEPTACLE	8	20/1	0.9	RM 12 RECEPTACLE, TV
9	20/1	0.18	RM 25 RECEPTACLE	10	20/1	0.54	CORRIDOR 11 RECEPTACLE
11	20/1	0.8	REFRIGERATOR	12	20/1	0.54	RM 19 RECEPTACLE
13	20/1	0.41	RECEPTACLE, TRAP PRIMER	14	20/1	0.72	CORRIDOR 18 RECEPTACLE, RM 4 RECEPTACLE
15	20/1	0.18	WATER COOLER	16	20/1	0.54	RM 5 RECEPTACLE
17	20/1	0.77	RECEPTACLE, RM 27 RECEPTACLE, RM 28 RECEPTACLE, RM 29 RECEPTACLE, TRAP PRIMER	18	20/1	0.54	RM 6 RECEPTACLE
19	20/1	0.54	CORRIDOR 22 RECEPTACLE	20	20/1	0.54	RM 7 RECEPTACLE
21	20/1	0.9	RM 30 RECEPTACLE, TV	22	20/1	0.9	RM 10 RECEPTACLE, TV
23	20/1	0.72	RM 31 RECEPTACLE	24	20/1	0.54	RECEPTACLE, RM 9 RECEPTACLE, TV
25	20/1	0.72	RM 32 RECEPTACLE	26	20/1	0.72	RM 9 RECEPTACLE, TV
27	20/1	0.18	NAC	28	20/1	0.72	RECEPTACLE, RM 3 RECEPTACLE, TV
29	20/1	0.18	IT RACK	30	20/1	0.72	RM 10 RECEPTACLE, RM 21 RECEPTACLE, TV
31	20/1	0.18	ACP	32	20/1	0.54	RECEPTACLE, RM 1 RECEPTACLE
33	20/1	0.18	IDP	34	20/1	0.72	RM 2 RECEPTACLE, TV
35	20/1	0.9	RM 34 RECEPTACLE, TV	36	20/1	0.54	RM 35 RECEPTACLE, TV
37	20/1	0.72	RECEPTACLE, RM 20 RECEPTACLE	38	30/2	4.5	EW-1
39	20/1	0.54	RM 20 RECEPTACLE	40			
41	20/1	1.2	COPY MACHINE	42	20/1	0.528	CP-1
43	20/1	0.36	RM 17 RECEPTACLE	44	20/2	3	EFH-1
45	20/1	0.9	RM 30 RECEPTACLE, TV	46			
47	20/1	0.36	RM 25 RECEPTACLE	48	20/1	0.54	RM 35 RECEPTACLE
49	20/1	0.25	FIRE/SMOKE DAMPER	50	20/1	0.216	EF-1
51	20/1	0	SPACE	52	20/1	0.216	EF-2
53	20/1	0	SPACE	54	20/1	0.216	EF-3
55	20/1	0	SPACE	56	20/1	0.168	EF-4
57	20/1	0	SPACE	58	20/1	0.54	RM 2 RECEPTACLE, TV
59	20/1	0	SPACE	60	20/1	0.54	ROOF RECEPTACLE
61	20/1	0	SPACE	62	20/1	0.72	ROOF RECEPTACLE
63	20/1	0	SPACE	64	20/1	0	SPACE
65	20/1	0	SPACE	66	20/1	0	SPACE
67	20/1	0	SPACE	68	20/1	0	SPACE
69	20/1	0	SPACE	70	20/1	0	SPACE
71	20/1	0	SPACE	72	20/1	0	SPACE
73	20/1	0	SPACE	74	20/1	0	SPACE
75	20/1	0	SPACE	76	20/1	0	SPACE
77	20/1	0	SPACE	78	20/1	0	SPACE
79	20/1	0	SPACE	80	20/1	0	SPACE
81	20/1	0	SPACE	82	20/1	0	SPACE
83	20/1	0	SPACE	84	20/1	0	SPACE

	CONN KVA	CALC KVA		CONN KVA	CALC KVA
LARGEST MOTOR	0.528	0.132	(25%)	RECEPTACLES	27.1
MOTORS	1.34	1.34	(100%)	HEATING	7.5
				TOTAL LOAD	27.5
				BALANCED 3-PHASE LOAD	76.3 A
				PHASE A	100%
				PHASE B	100%
				PHASE C	98.6%

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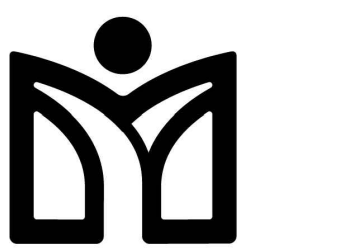
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MOORE
PUBLIC SCHOOLS

WESTMOORE HIGH
SCHOOL ENTRY
UPGRADES

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SUBSCRIPTS AND ABBREVIATIONS	
TEXT	DESCRIPTION
WP	DEVICE SHALL BE WEATHER PROOF AND RATED FOR EXTERIOR CONDITIONS
•	NEXT TO ANY SYMBOL INDICATES DEVICE ROUGH-IN SHALL BE ABOVE COUNTER. FINAL ROUGH-IN FIELD COORDINATION TO BE BY CONTRACTOR WITH ARCHITECTURAL MILLWORK DRAWINGS AND OTHER TRADES.
AFF	ABOVE FINISHED FLOOR
UC	DEVICE IS TO BE MOUNTED ON THE UNDERSIDE OF THE ELEVATED CANOPY.
WM	DEVICE IS TO BE WALL MOUNTED.
WG	WIRE GUARD TO BE PROVIDED AND INSTALLED TO PROTECT ASSOCIATED DEVICE.

SUBSCRIPTS LEGEND - EXISTING DEVICES	
TEXT	DESCRIPTION
E	EXISTING TO REMAIN.
D	DEVICE IS EXISTING AND IS TO BE REMOVED. CONTRACTOR TO REMOVE THE DEVICE AND RETURN TO OWNER.
R	REMOVE EXISTING DEVICE AND RELOCATE TO A LOCATION INDICATED ON THE DRAWINGS.

NOTES TO CONTRACTOR	
1.	EVERY SYMBOL SHOWN ON LEGEND MAY NOT APPEAR ON DRAWINGS.
2.	SYSTEM INSTALLERS SHALL COORDINATE LOCATIONS AND CONNECTIONS WITH THE PROJECTS ELECTRICAL CONTRACTOR.
3.	CONTRACTOR TO PROVIDE PROPERLY GROUNDED LIGHTING PROTECTION ON ALL CABLING ENTERING AND EXITING THE BUILDING.

RESPONSIBILITY MATRIX				
SCOPE ITEM	RESPONSIBILITY			NOTES
	OFOI	CFCI	OFCI	
COMMUNICATIONS - DIVISION 27				
CATEGORY 6 STRUCTURED CABLING SYSTEM		X		
BUILDING INTERCOM/PA, BELL, AND CLOCK SYSTEM		X		
NETWORK EQUIPMENT				
-- MDF/IDF NETWORK EQUIPMENT		X		
-- VOIP TELEPHONES		X		
-- WIRELESS ACCESS POINTS		X		
-- UNINTERRUPTIBLE POWER SUPPLIES (UPS)		X		
RACEWAY, CONDUIT, BACK BOXES, SLEEVES, ETC.		X		SEE NOTE 1.
ELECTRICAL POWER		X		SEE NOTE 1.
LIFE SAFETY AND SECURITY - DIVISION 28				
ACCESS CONTROL SYSTEM(ACS)		X		
INTRUSION DETECTION SYSTEM		X		
VIDEO SURVEILLANCE SYSTEM (VSS)				
-- VSS SERVERS		X		
-- VSS CAMERAS		X		
-- VSS PROGRAMMING		X		
-- VSS CABLING		X		SEE NOTE 2.
FIRE ALARM SMOKE DETECTION WITH VOICE EVACUATION		X		
RACEWAY, CONDUIT, BACK BOXES, SLEEVES, ETC.		X		SEE NOTE 1.
ELECTRICAL POWER		X		SEE NOTE 1.
OFCI - OWNER FURNISHED AND OWNER INSTALLED CFCI - CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED OFCI - OWNER FURNISHED AND CONTRACTOR INSTALLED				
RESPONSIBILITY MATRIX NOTES:				
1. BY DIVISION 28.				
2. BY DIVISION 27.				

ACCESS CONTROL LEGEND				
SYMBOL	DESCRIPTION	ELEVATION	BACK BOX/RACEWAY	NOTES
ACP	ACCESS CONTROL SYSTEM, CONTROL PANEL.	+60" AFF TO CENTER	AS REQUIRED	COORDINATE POWER. NOTE #4.
CRJ	ACCESS CONTROL PROXIMITY CARD READER. DEFAULT SYMBOL INDICATES WALL MOUNTED *M - INDICATES MULLION MOUNTED READER	+42" A.F.F.	1-G, 3/4" C	
CR	DOOR MOUNTED ACCESS CONTROL PROXIMITY CARD READER THAT IS INTEGRATED INTO THE DOOR HARDWARE.	+42" AFF	N/A	
DS	2-WAY AUDIO/VIDEO INTERCOM DOOR STATION. *DEFAULT INDICATES WALL MOUNTED *M - INDICATES MULLION MOUNTED DEVICE	+42" AFF	*W: 1-G, 3/4" C *M: 3/4" C	COORDINATE POWER. NOTE #4 & #5.
DS	DOOR MOUNTED, 2-WAY AUDIO/VIDEO INTERCOM DOOR STATION.	+42" AFF, FIELD COORDINATE		COORDINATE POWER. NOTE #4 & #5.
MS	2-WAY AUDIO/VIDEO INTERCOM MASTER STATION.	DESK MOUNTED UNO		COORDINATE POWER. NOTE #4
DR	DOOR RELEASE BUTTON	COORDINATE WITH GC	1-G, 3/4" C	
DH	PIR MOTION REQUEST TO EXIT DEVICE. DOOR CONTACT AND ELECTRIC STRIKE.			ACCESS CONTROL ONLY DOOR SHALL BE SPST. DOOR WITH BOTH ACCESS CONTROL AND INTRUSION SHALL BE DPDT. ONLY 1 DOOR CONTACT PER DOOR IF DH AND DC SYMBOL ARE SHOWN
NOTES: 1. #G INDICATES BACK BOX SIZE. 2. #C INDICATES CONDUIT SIZE. 3. UNO, UNLESS NOTED OTHERWISE 4. PROVIDE AND INSTALL ONE (1) CATEGORY CABLE TO CONNECT DEVICE TO NETWORK 5. AVIGILON PART # 3.0C-H4V1-R01-R.				

VIDEO SURVEILLANCE LEGEND				
SYMBOL	DESCRIPTION	ELEVATION	BACK BOX/RACEWAY	NOTES
W	WALL/CORNER MOUNT 4-SENSOR CAMERA	REFERENCE FLOOR PLANS	4"x4"x2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	NOTE #5 AND 6
C	CEILING MOUNTED 4-SENSOR CAMERA	CEILING		NOTE #5
3	3-SENSOR CAMERA	CEILING UNO		NOTE #5 AND 6
2	2-SENSOR CAMERA	REFERENCE FLOOR PLANS	4"x4"x2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	NOTE #5
1	1-SENSOR CAMERA	REFERENCE FLOOR PLANS	4"x4"x2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	
I	SYMBOL ADDED TO CAMERA TO INDICATE WALL/CORNER MOUNT.	+9" AFF UNO		
VRS	VIDEO RECORDING SERVER			
MU	VIDEO SURVEILLANCE MAIN UNIT	ABOVE CEILING		NOTE #5
NOTES: 1. #G INDICATES BACK BOX SIZE. 2. #C INDICATES CONDUIT SIZE. 3. UNO, UNLESS NOTED OTHERWISE 4. THE SYSTEM INTEGRATOR SHALL COORDINATE ALL BOX AND CONDUIT SIZE REQUIREMENTS PRIOR TO ROUGH-IN BY THE PROJECTS ELECTRICAL CONTRACTOR. 5. PROVIDE AND INSTALL ONE (1) CATEGORY CABLE TO CONNECT DEVICE TO NETWORK				

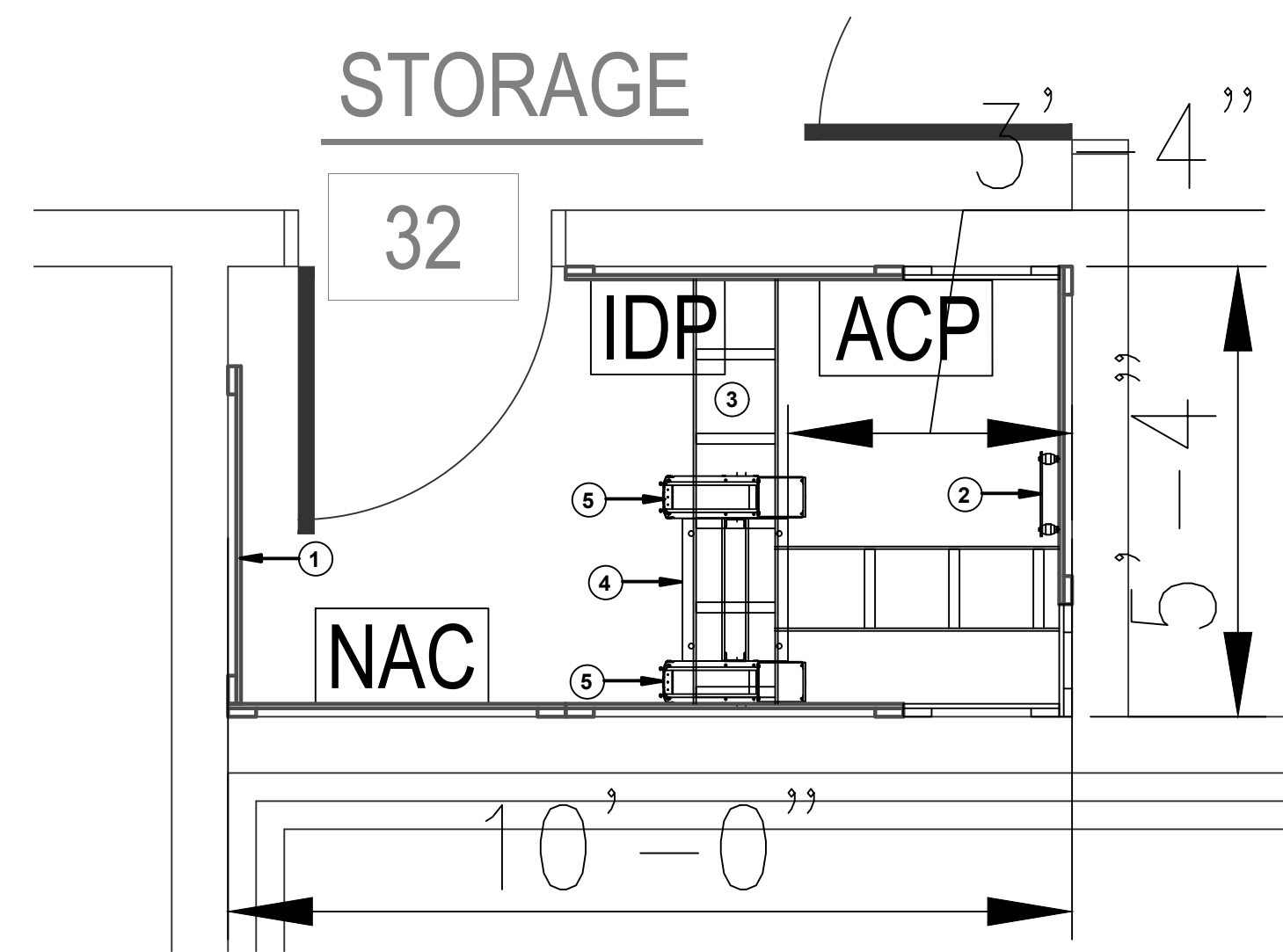
INTRUSION LEGEND				
SYMBOL	DESCRIPTION	ELEVATION	BACK BOX/RACEWAY	NOTES
IDP	INTRUSION DETECTION SYSTEM CONTROL PANEL	+60" AFF	TWO(2) - 1" C TO CONTRACTOR PROVIDED BACK BOX	COORDINATE POWER WITH EC. NOTE #5
KP	INTRUSION DETECTION SYSTEM KEYPAD.	+48" AFF	4"x4"x2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	
M	WALL MOUNTED MOTION DETECTOR *M = LR IF LONG RANGE	REFERENCE FLOOR PLAN	N/A	
GB	CEILING MOUNTED GLASS BREAK DETECTOR	CEILING	N/A	
DC	DOOR CONTACT	FLUSH MOUNTED IN DOOR FRAME	N/A	INTRUSION ONLY DOOR SHALL BE SPST. DOOR WITH BOTH ACCESS CONTROL AND INTRUSION SHALL BE DPDT. ONLY 1 DOOR CONTACT PER DOOR IF DH AND DC SYMBOL ARE SHOWN
DDC	OVERHEAD DOOR MOUNT MAGNETIC DOOR CONTACT.	SURFACE MOUNTED ON DOOR FRAME	N/A	
WHU	WIRELESS HOLD UP BUTTON & TRANSMITTER		N/A	NOTE #4
SS	SECURITY SIREN	+9" AFF	SINGLE GANG BACKBOX	
NOTES: 1. #G INDICATES BACK BOX SIZE. 2. #C INDICATES CONDUIT SIZE. 3. UNO, UNLESS NOTED OTHERWISE 4. WHU REQUIRES RECEIVER. REFERENCE SECURITY SHEET SPECIFICATIONS FOR PART NUMBERS. 5. PROVIDE AND INSTALL ONE (1) CATEGORY CABLE TO CONNECT DEVICE TO NETWORK				

FIRE ALARM	
SYMBOL	DESCRIPTION
FACP	FIRE ALARM CONTROL
FAA	FIRE ALARM ANNUNCIATOR PANEL
NAC	NOTIFICATION APPLIANCE
NOTES: 1. REFERENCE SHEET SPECIFICATIONS 2. A LICENSED FIRE ALARM PLANNING SUPERINTENDENT CERTIFIED TO A MINIMUM LEVEL 3, IN THE SUBFIELD OF FIRE ALARM SYSTEMS THROUGH THE NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET), SHALL PROVIDE PLANS AND CALCULATIONS FOR A MANUAL AND AUTOMATIC FIRE DETECTION AND ALARM SYSTEM TO COMPLY WITH THE BUILDING SPACE LAYOUT, BUILDING OCCUPANCY, CURRENT NFPA 72, LOCAL AND STATE CODE REQUIREMENTS, AND THE FIRE ALARM AND DETECTION SYSTEM SPECIFICATIONS.	

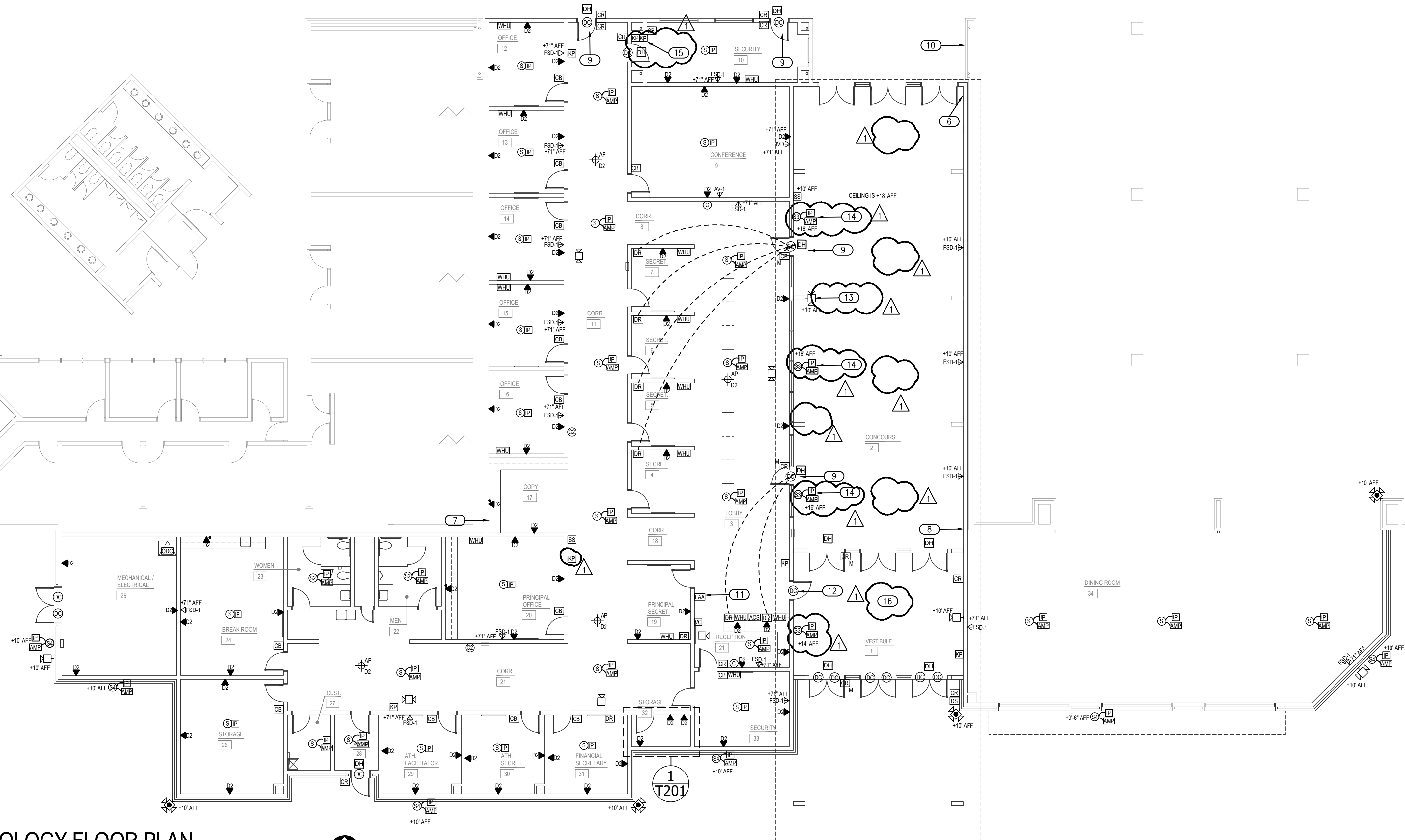
STRUCTURED CABLING LEGEND				
SYMBOL	DESCRIPTION	ELEVATION	BACK BOX/RACEWAY	NOTES
#	WALL MOUNTED NETWORK OUTLET D#: NUMBER OF DATA DROPS IN OUTLET AP: WIRELESS ACCESS POINT	+18" AFF, UNLESS OTHERWISE NOTED	4"x4"x2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	
V	COMMUNICATIONS OUTLET	FIELD COORDINATE	FIELD COORDINATE	
W	WALL MOUNTED NETWORK OUTLET	+44" AFF	4"x4"x2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	
B	WALL MOUNTED BOX FOR FUTURE USE.	+18" AFF UNO	4"x4"x2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	
D#	FLOOR MOUNTED NETWORK OUTLET	N/A	COORDINATE WITH ELECTRICAL CONTRACTOR	FINISHED HARDWARE PROVIDED BY DIV 27
⊕	CEILING MOUNTED NETWORK OUTLET D#: NETWORK OUTLET	ABOVE CEILING	CEILING BRACKET WITH BISCUIT BLOCK	
⊕ D#	CEILING MOUNTED NETWORK OUTLET FOR ACCESS POINT D#: NETWORK DROP QUANTITY	ABOVE CEILING	CEILING BRACKET WITH BISCUIT BLOCK	
NOTES: 1. #G INDICATES BACK BOX SIZE. 2. #C INDICATES CONDUIT SIZE. 3. UNO, UNLESS NOTED OTHERWISE 4. CONDUIT STUB UP AND SLEEVES SHALL HAVE A SOLID UNO CUT PLASTIC PROTECTIVE BUSHING. 5. NO CONDUITS SHALL EXCEED FOR 40% MAXIMUM FILL RATIO. CONTRACTOR TO PROVIDE ADDITIONAL CONDUITS REQUIRED.				

AUDIO/VIDEO LEGEND				
SYMBOL	DESCRIPTION	ELEVATION	BACK BOX/RACEWAY	NOTES
WMP	WALL MOUNTED PROJECTOR AUDIOVISUAL OUTPUT OUTLET	REFERENCE FLOOR PLANS.	4 11/16"x4 11/16"x2-1/8" BACK BOX WITH DOUBLE GANG RING, TWO(2) 1.25" C	NOTE #5
CMP	CEILING MOUNTED PROJECTOR AUDIOVISUAL OUTPUT OUTLET	CEILING MOUNTED	N/A	NOTE #5
AV-1	WALL MOUNTED AUDIO/VIDEO INPUT OUTLET	+18" AFF UNO	4 11/16"x4 11/16"x2-1/8" BACK BOX WITH DOUBLE GANG RING, TWO(2) 1.25" C	
FSD-1	WALL MOUNTED FLAT SCREEN DISPLAY AUDIOVISUAL OUTPUT OUTLET	REFERENCE FLOOR PLAN	4"x4"x2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	NOTE #5
FSD-2	WALL MOUNTED FLAT SCREEN DISPLAY AUDIOVISUAL OUTPUT OUTLET ASSOCIATED WITH AV-1 INPUT OUTLET	REFERENCE FLOOR PLAN	4 11/16"x4 11/16"x2-1/8" BACK BOX WITH DOUBLE GANG RING, TWO(2) 1.25" C	NOTE #5
VD	INTERACTIVE VIDEO DISPLAY AUDIOVISUAL OUTPUT OUTLET	REFERENCE FLOOR PLAN	4 11/16"x4 11/16"x2-1/8" BACK BOX WITH DOUBLE GANG RING, TWO(2) 1.25" C	NOTE #5
CP	AV CONTROL PANEL	+48" AFF TO TOP	4"x4"x2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	
⊕	LOCAL INSTRUCTIONAL SPACE PRESENTATION SPEAKER	CEILING	CONTRACTOR PROVIDED CEILING BOX	COORDINATE POWER WITH EC
⊕	STREAMING CAMERA	CEILING UNO	N/A	NOTE #5
NOTES: 1. #G INDICATES BACK BOX SIZE. 2. #C INDICATES CONDUIT SIZE. 3. UNO, UNLESS NOTED OTHERWISE 4. THE SYSTEM INTEGRATOR SHALL COORDINATE ALL BOX AND CONDUIT SIZE REQUIREMENTS PRIOR TO ROUGH-IN BY THE PROJECTS ELECTRICAL CONTRACTOR. 5. PROVIDE AND INSTALL ONE (1) CATEGORY CABLE TO CONNECT DEVICE TO NETWORK				

INTERCOM LEGEND				
SYMBOL	DESCRIPTION	ELEVATION	BACK BOX/RACEWAY	NOTES
ICS	INTERCOM COMMUNICATIONS SYSTEM HEAD END UNIT.	FLOOR MOUNTED	COORDINATE WITH EC	COORDINATE POWER WITH EC.
⊕	CEILING MOUNT INTERCOM SPEAKER, LAY-IN CEILING.	CEILING	CONTRACTOR PROVIDED	
⊕	CEILING MOUNT INTERCOM SPEAKER, HARD CEILING.	CEILING	CONTRACTOR PROVIDED	
⊕	WALL MOUNT INTERIOR INTERCOM SPEAKER	REFERENCE FLOOR PLANS	CONTRACTOR PROVIDED	
⊕	WALL MOUNT EXTERIOR INTERCOM SPEAKER	+10" AFF UNO	CONTRACTOR PROVIDED	
⊕	PENDANT MOUNT INTERCOM SPEAKER	REFERENCE FLOOR PLANS	CONTRACTOR PROVIDED	
⊕	SURFACE MOUNT INTERCOM SPEAKER, MOUNT TO STRUCTURE	CEILING	CONTRACTOR PROVIDED	
⊕	CEILING MOUNTED EXTERIOR INTERCOM SPEAKER.	CEILING	CONTRACTOR PROVIDED	
⊕ IP	IP BASED SPEAKER. # TO BE REPLACED WITH S, S2, S3, S4 INDICATING THE SPECIFIC TYPE OF SPEAKER.	REFERENCE FLOOR PLANS	CONTRACTOR PROVIDED	NOTE #5
⊕ IP AMP	SPEAKER CONNECTED TO IP MODULE AND AMPLIFIER. # TO BE REPLACED WITH S, S2, S3, S4 INDICATING THE SPECIFIC TYPE OF SPEAKER.	REFERENCE FLOOR PLANS	CONTRACTOR PROVIDED	
VC	WALL MOUNTED VOLUME CONTROL	+48" AFF	4"x4"x2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	
CB	INTERCOM CALL BUTTON	+48" AFF	4"x4"x2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	
⊕	SINGLE FACE CLOCK	+8" AFF UNO.	4"x4"x2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	
⊕	DOUBLE FACE CLOCK	+8" AFF UNO.	4"x4"x2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	
RPS	REMOTE PROGRAM SOURCE	DESK TOP	COORDINATE WITH EC	NOTE #5
ACS	ADMINISTRATIVE CALL STATION.	DESK TOP	N/A	NOTE #5
NOTES: 1. #G INDICATES BACK BOX SIZE. 2. #C INDICATES CONDUIT SIZE. 3. UNO, UNLESS NOTED OTHERWISE 4. THE SYSTEM INTEGRATOR SHALL COORDINATE ALL BOX AND CONDUIT SIZE REQUIREMENTS PRIOR TO ROUGH-IN BY THE PROJECTS ELECTRICAL CONTRACTOR. 5. PROVIDE AND INSTALL ONE (1) CATEGORY CABLE TO CONNECT DEVICE TO NETWORK				



2 TECHNOLOGY ENLARGED PLAN
SCALE: 1/2" = 1'-0"



1 TECHNOLOGY FLOOR PLAN
SCALE: 3/32" = 1'-0"



GENERAL NOTES

CLOCKS: CLOCKS SHALL BE SAPLING DIGITAL CLOCKS AND MATCH EXISTING SAPLING CLOCK SYSTEM. PROVIDE ALL CLOCKS, POWER SUPPLIES, REPEATERS, ETC NEEDED.

FIRE ALARM: CONNECT NEW FIRE ALARM DEVICES TO EXISTING SILENT KNIGHT FIRE ALARM SYSTEM. INSTALL ALL NAC PANELS, POWER SUPPLIES, VOICE EVACUATION PANELS REQUIRED TO MAKE A COMPLETE AND CODE COMPLIANT SYSTEM.

SECURITY ALARM: CONNECT NEW SECURITY ALARM DEVICES TO NEW DMP SECURITY PANEL. PROVIDE DMP PANEL, POWER SUPPLIES, ZONE EXPANDERS, ETC. NEEDED TO MAKE A COMPLETE AND OPERABLE SYSTEM. DMP SYSTEMS SHALL BE WIRED WITH 2 ZONES PER SINGLE DOOR OR DOUBLE DOOR. ONE ZONE FOR SECURITY ALARM AND ONE ZONE FOR DOOR HELD OPEN ALERT. CONTRACTOR TO SUPPLY AND INSTALL (2) 16 GAUGE 4 CONDUCTOR CABLES BETWEEN NEW DMP SYSTEM AND EXISTING DSC SYSTEM LOCATED IN EXISTING MAIN OFFICE. (FOR FUTURE USE).

INTERCOM: CONNECT NEW INTERCOM DEVICES TO EXISTING RAILLAND TELECENTER U IP INTERCOM SYSTEM. MATCH EXISTING SYSTEM.

ACCESS CONTROL: CONNECT NEW ACCESS CONTROL DEVICES TO NEW KEYSKAN CONTROLLER.

VIDEO SURVEILLANCE: NEW VIDEO SURVEILLANCE CAMERA CONNECTIONS SHALL ORIGINATE FROM NEW IDF ROOM. MATCH EXISTING AVIGLON CAMERA SYSTEM. FINAL CAMERA LOCATIONS AND FIELD OF VIEW TO BE DETERMINED BY MPS. CONTRACTOR TO COORDINATE WITH MPS PRIOR TO ROUGH-IN. SEE IP CAMERA SPECIFICATIONS FOR FURTHER DETAILS AND CONTACT INFORMATION.

DATA: CONNECT NEW DATA, WIFI AND CAMERA DROPS TO NEW IDF. CONNECT NEW IDF TO EXISTING MDF LOCATED IN THE MEDIA STORAGE ROOM. CONNECT VIA FIBER AND CAT 6. SEE NETWORK SPECS FOR FIBER AND CAT 6 INFORMATION.

TECH ENLARGED PLAN GEN NOTES

- ALL RACK LOCATIONS SHALL BE COORDINATED WITH THE PROJECT'S TECHNOLOGY CONSULTANT AND OWNER PRIOR TO INSTALLATION. NO RACKS AND/OR ASSOCIATED CABLE TRAY SYSTEM SHALL BE PERMANENTLY INSTALLED PRIOR TO DOCUMENTED ACCEPTANCE.
- PATCH PANEL QUANTITY SHALL BE DETERMINED BY STATION CABLE DROP COUNTS SHOWN ON TECHNOLOGY PLANS AND THE ASSOCIATED PROJECT MATRIX. ENSURE PATCH PANEL QUANTITY IS SUFFICIENT TO SUPPORT THE NUMBER OF PORTS REQUIRED BY TECHNOLOGY PLANS PLUS AN ADDITIONAL 25% FOR FUTURE GROWTH.
- CONTRACTOR SHALL NOT MOUNT EXCEED MORE THAN A 50% RACK FILL RATIO ON ANY RACK.
- REFERENCE SPECIFICATIONS FOR MATERIALS AND METHODS
- ALL RACKS, LADDER TRAYS, LIGHTNING PROTECTION ENCLOSURES AND ANY OTHER DEVICES, PART OF THE STRUCTURED CABLING SYSTEM, SHALL BE GROUNDED TO A GROUND BUS BAR LOCATED IN THE TELECOMMUNICATIONS ROOM WITH A #6AWG GROUND CABLE. DAISY CHAINING WILL NOT BE ACCEPTED. ALL ITEMS SHALL HAVE A DEDICATED GROUND CABLE TO BUS BAR. GROUND CABLE SHALL BE GREEN IN COLOR.

TECHNOLOGY PLAN KEYED NOTES

- INDICATES THE LOCATION OF A 8' TALL, 3/4" FIRE RATED PLYWOOD CONTRACTOR TO PROVIDE AND INSTALL PLYWOOD AND ALL REQUIRED MOUNTING HARDWARE. PLYWOOD SHALL BE PAINTED WHITE WITH FIRE RATED PAINT. TYPICAL FOR ALL SHOWN ON DRAWING.
- INDICATES THE LOCATION OF A NEW WALL MOUNTED TELECOMMUNICATION GROUND BUS BAR (TGBB). CABLING CONTRACTOR TO PROVIDE BUS BAR AND ALL REQUIRED MATERIAL TO MOUNT AT THE LOCATION SHOWN. TGBB TO BE MOUNTED AT +93" A.F.F.
- PROVIDE AND INSTALL A 12" WIDE, UNIVERSAL LADDER TRAY AND ALL REQUIRED MOUNTING HARDWARE. LADDER TRAY SHALL BE BLACK IN COLOR. TYPICAL FOR ALL SHOWN ON ENTIRE PROJECT.
- PROVIDE AND INSTALL ONE (1) 2-POST, FLOOR MOUNTED, 7" RELAY RACK (BLACK IN COLOR). PROVIDE BONDING WASHERS, BOLTS, AND NUTS AT ALL MECHANICALLY CONNECTED LOCATIONS OF THE RACK TO ENSURE THAT ALL PIECES OF THE RACK ARE COMPLETELY BONDED. SCRAPING PAINT FROM RACKS TO MAKE A BOND WILL NOT BE ACCEPTED. ALL RACK MOUNTED COMPONENTS SHALL BE MOUNTED WITH BONDING SCREWS AND THE CONTRACTOR SHALL PROVIDE THE OWNER WITH (50) ADDITIONAL BONDING SCREWS FOR THE INSTALLATION OF OWNER EQUIPMENT. NO DAISY CHAINING GROUNDS FROM RACK TO CABLE TRAY OR TO OTHER RACKS WILL BE ACCEPTED. ALL GROUNDS SHALL BE HOME RUN TO THE TELECOMMUNICATIONS GROUND BUS BAR (TGBB). TYPICAL FOR ALL SHOWN ON THE ENTIRE PROJECT.
- PROVIDE AND INSTALL ONE (1) 7"x6", FRONT AND REAR MANAGED, VERTICAL CABLE MANAGER (BLACK IN COLOR). CABLE MANAGERS SHALL BE INSTALLED ON EACH END OF THE RACK SYSTEMS AND BETWEEN EACH RACK. CABLE MANAGERS SHALL HAVE A SINGLE, SOLID, FULL HEIGHT HINGED DOOR IN THE FRONT AND WIDE SPACED CABLE RINGS WITH SPIN-OPEN LATCHES IN THE REAR. TYPICAL FOR ALL SHOWN IN THE ENTIRE PROJECT. SEE STRUCTURED CABLING SPECIFICATIONS FOR LIST OF APPROVED PART NUMBERS.
- RELOCATE EXISTING DOOR VIDEO STATION, CARD READER AND DOOR STRIKE TO TEMPORARY ENTRANCE DURING CONSTRUCTION.
- EXISTING CAMERA TO BE REMOVED AND RETURNED TO OWNER.
- EXISTING INTERCOM SPEAKER TO BE REMOVED AND RETURNED TO OWNER.
- DOOR SHOULD BE ABLE TO LOCK & UNLOCK ON OUTSIDE OF OFFICE. DOOR SHOULD ALWAYS BE LOCKED ON OFFICE SIDE.
- EXISTING FAA LOCATION TO BE RELOCATED TO NEW OFFICE AS INDICATED ON DRAWINGS. DEMO/COVER EXISTING CONDUIT AND BOX.
- NEW LOCATION OF RELOCATED FAA DEVICE.
- DOOR TO BE ABLE TO LOCK AND UNLOCK ON THE VESTIBULE SIDE WITH A KEY.
- NO BACKBOX REQUIRED FOR INDICATED CAMERA. CABLE SHALL BE ROUTED DIRECTLY THROUGH COLUMN AND CONNECT CAMERA TO NETWORK.
- COORDINATE SPEAKER INSTALLATION HEIGHT AND LOCATION WITH MECHANICAL DUCTWORK.
- INDICATED KEYPAD IS INTENDED TO DETECT AND MONITOR DOORS THAT HAVE BEEN PROPPED OPEN.
- ALL CABLING ROUTED ACROSS OPEN CEILING AREA SHALL BE CONCEALED AND PROTECTED WITHIN CONDUIT.



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2900 S. Telephone Road, Suite 120
Moore, OK 73160
CA# 9820 Expiration Date: 6/30/2027
Salas O'Brien Project Number: 2550-01165-00

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AUGUST 2025	date
revisions	
05/20/2026 ADD 01	



WESTMOORE HIGH SCHOOL ENTRY UPGRADES

sheet no:
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MECHANICAL / ELECTRICAL



KF
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AUGUST 2025
date

revisions
1 05/20/2026 AD 01



WESTMOORE HIGH
SCHOOL ENTRY
UPGRADES

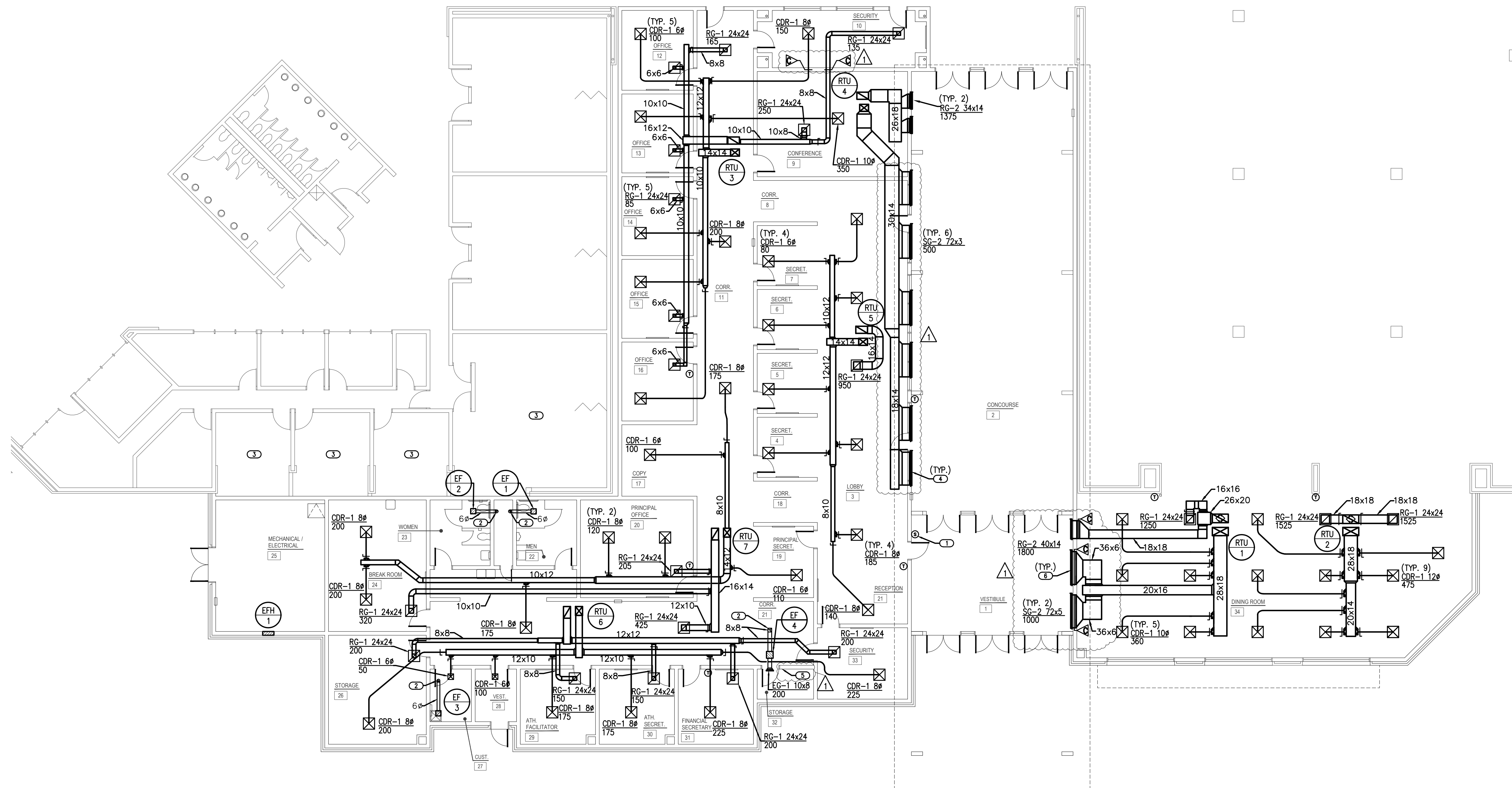
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- KEYED NOTES**
- PROVIDE TEMPERATURE SENSOR FOR RTU-1.
 - DUCT UP TO ROOF HOOD.
 - EXISTING AIR DEVICES IN ROOM TO BE REUSED. CLEAN AIR DEVICES AND ENSURE THEY ARE IN GOOD WORKING ORDER. RECONNECT AIR DEVICES TO DUCTWORK AND ALIGN WITH NEW CEILING GRID.
 - MOUNT AIR DEVICE AT 13'-4" AFF. ALIGN AIR DEVICE TO CENTER ON TILE. REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION.
 - PROVIDE REVERSE ACTING THERMOSTAT FOR EXHAUST FAN TO BE SET BY OWNER.
 - COORDINATE HEIGHT OF GRILLES WITH ARCHITECT.

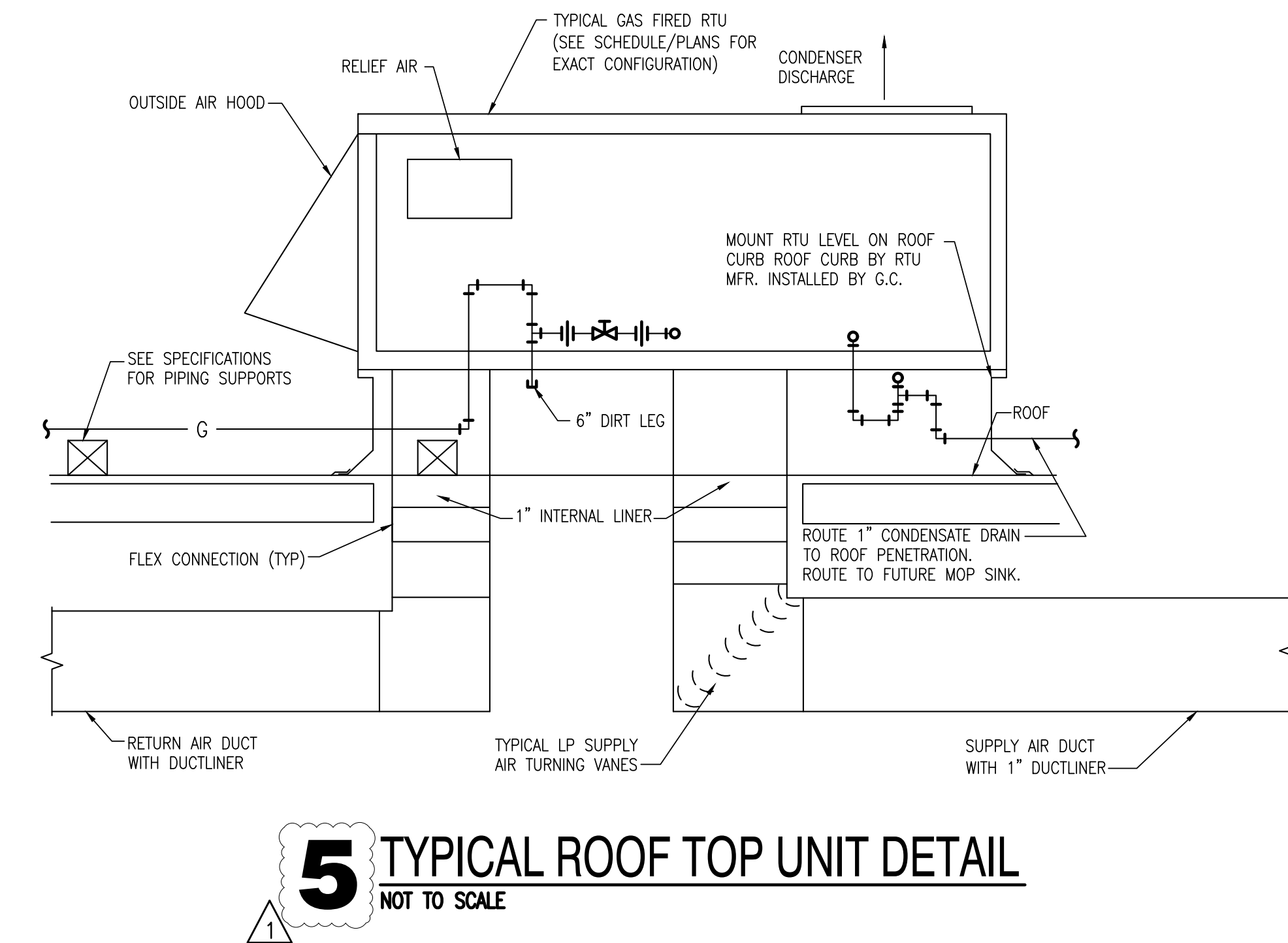
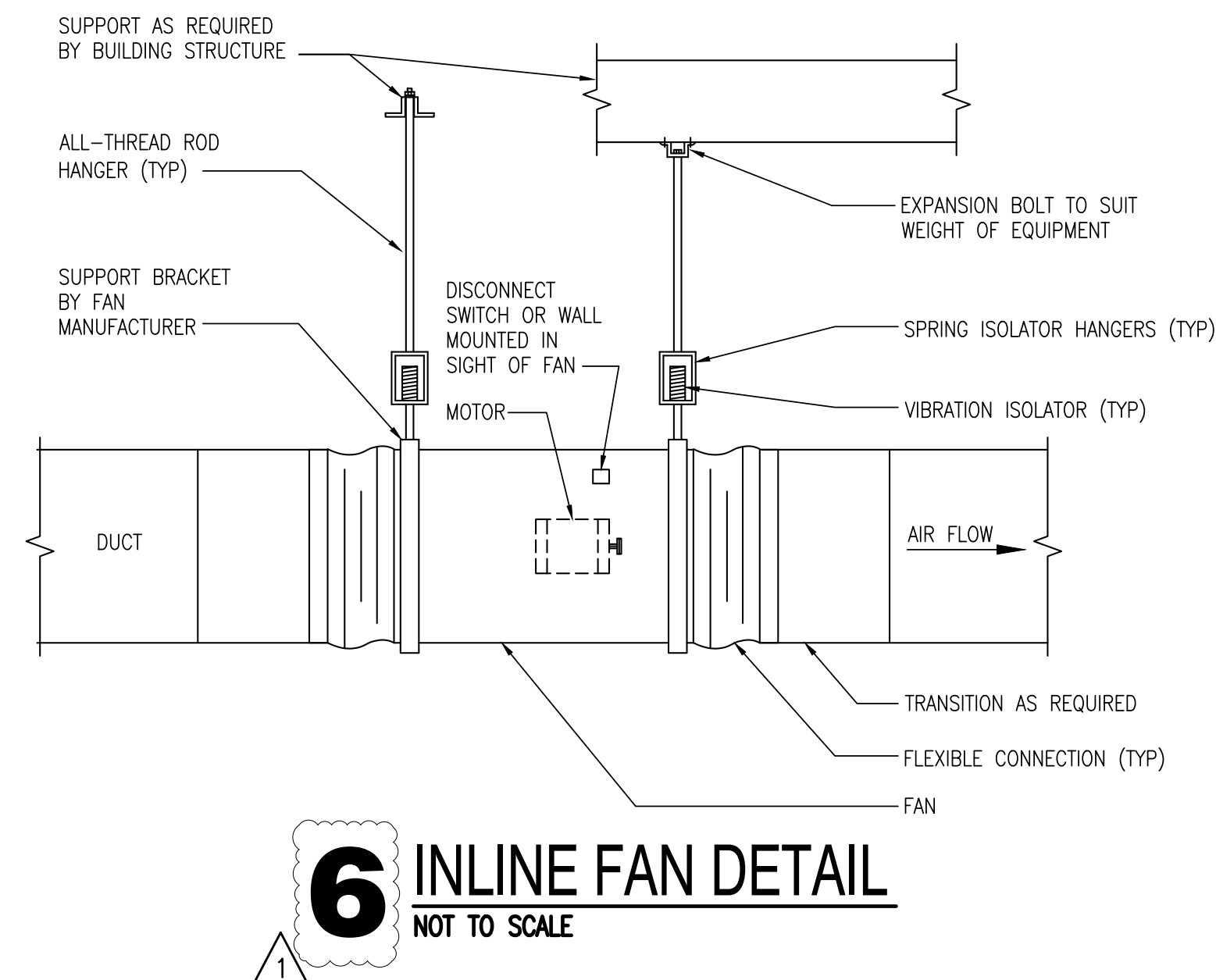
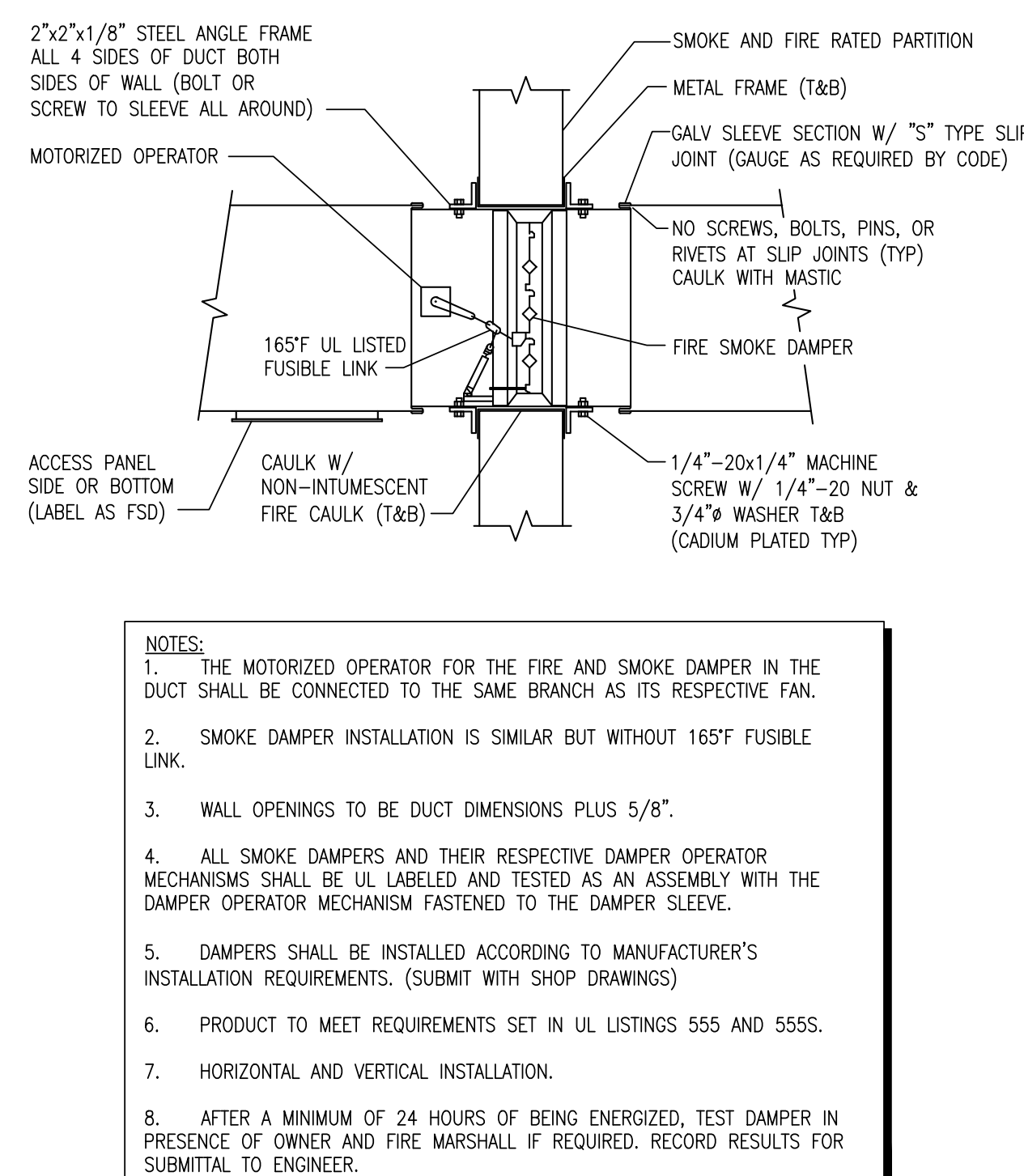
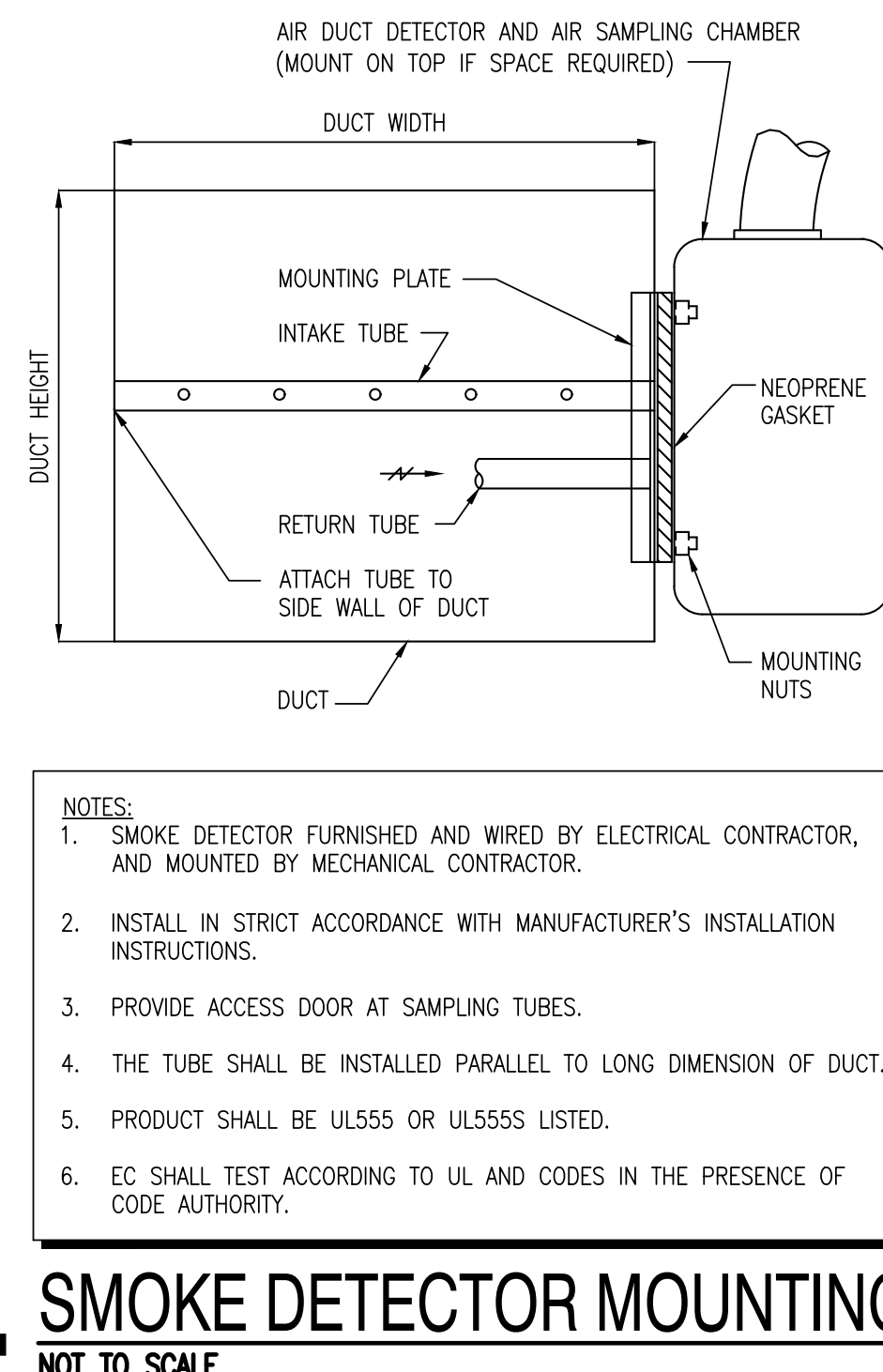
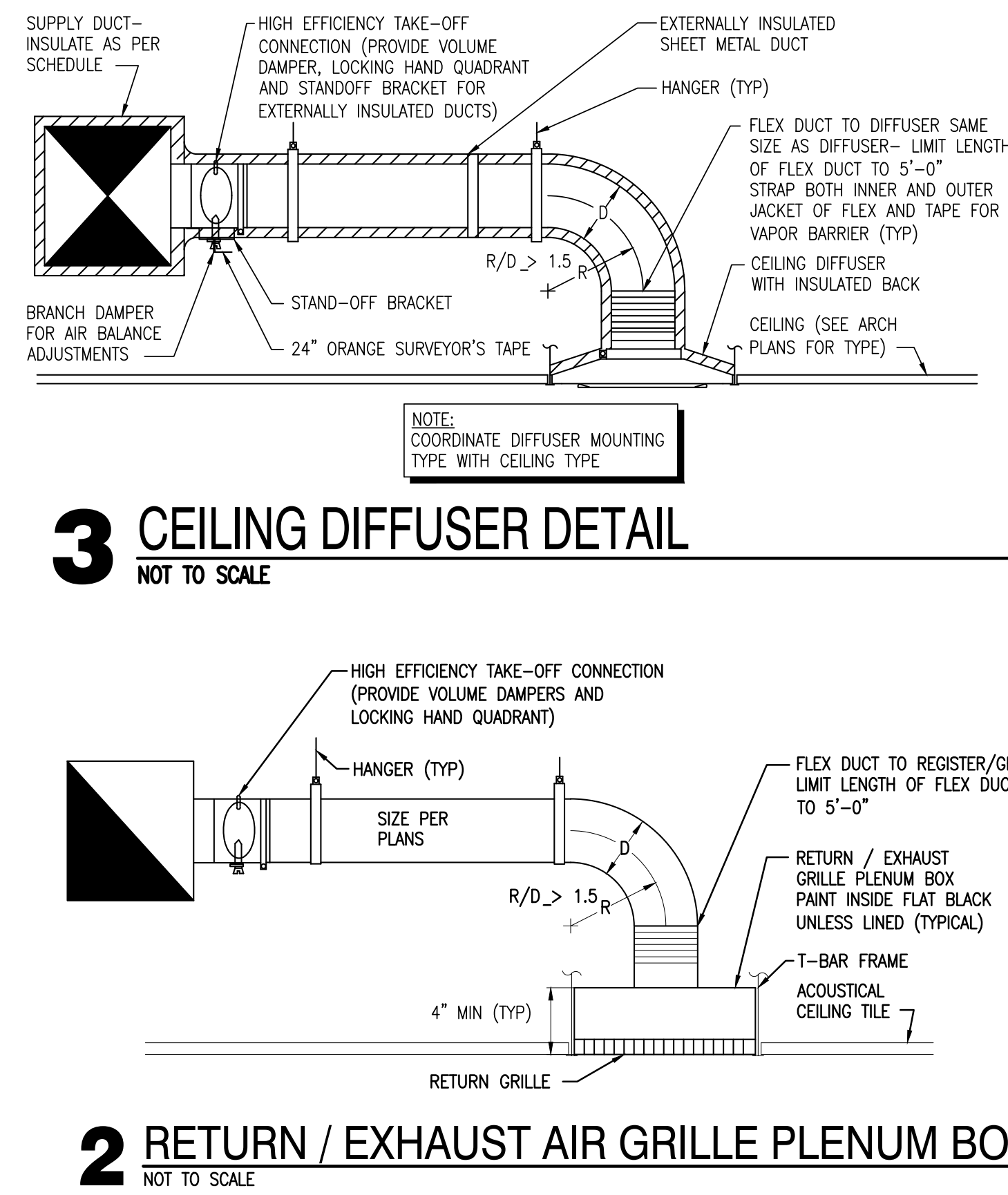
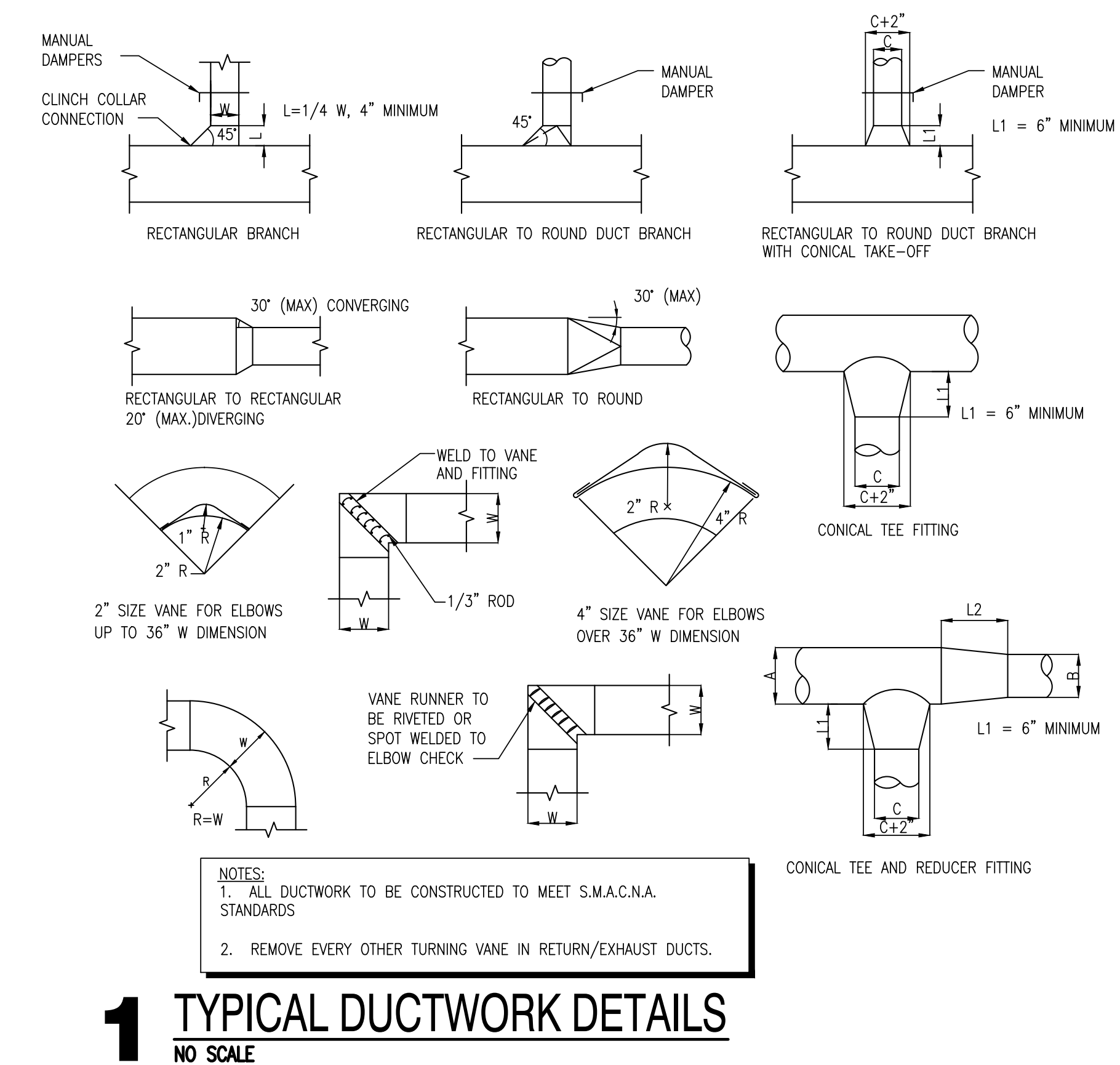
- GENERAL NOTES**
- COORDINATE INSTALLATION OF EQUIPMENT AND DUCTWORK WITH ALL TRADES.
 - COORDINATE LOCATION OF THERMOSTATS WITH E.C. ROUGH-IN BY E.C.
 - FLEX DUCT SIZE TO SUPPLY DIFFUSER IS DESIGNATED BY AIR DEVICE TAG.



1 MECHANICAL FLOOR PLAN
SCALE: 3/32" = 1'-0"



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Westmoore HS Entry Addition

ADD01

5/20/2026

- The aluminum ladders will be picked up by the roofing contractor.
- Bid Package #1 Demo/Sitework Demo is complete except for demolition specifically defined in other bid packages/trades eg. Bid package #7A, Bid Package #8, Bid package #10, Bid package #12, Bid package #13, Bid package #14, Bid package #15.
- Bid Package #2 Concrete will need to include the tactile panels as shown on C901 and described in General Note #1.
- Bid Package #8 Finishes (Ceiling System) will need to include the in-wall backing.
- Bid Package #8 Finishes (Ceiling System) will need to include spec section 05800 Expansion Control.

Westmoore HS Entry Upgrades

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Summary of Work / Bid Packages

BID PACKAGE #1: DEMO/SITWORK:

- This bid package shall include all labor, materials, equipment, services, insurances, and incidentals required to complete the Demo/Sitework work as specified by the drawings and specifications including the following:

SECTIONS:

- | | | |
|------------------|------------------------------|----------|
| • Division 0 | Bidding & Contract Documents | |
| • Division 1 | General Requirements | |
| • Section 024116 | Demolition | Complete |
| • Section 311000 | Site Clearing | Complete |
| • Section 312000 | Earth Moving | Complete |

THIS SCOPE OF WORK SHALL INCLUDE BUT NOT LIMITED TO:

- All miscellaneous equipment and material required for the proper completion of this scope of work.
- The subcontractor is to ensure that all elevated work areas are made ready to protect all areas below and have OSHA approved fall protection for work to proceed.
- The subcontractor is responsible for the daily clean-up of all waste & trash generated by their work.
- The subcontractor is responsible for reviewing ALL PLAN SHEETS AND PLAN NOTES for any and all information pertaining to this scope of work.
- Any testing is to be paid for by others but needs to be coordinated by the contractor.
- Include all dewatering required for this scope of work.
- Provide construction entrance and material lay down area.
- ~~Earthwork as it is applicable to concrete & landscape grading.~~
- Demo is complete except for demolition specifically defined in other bid packages/trades e.g. bid packages #7A Entrances & Storefronts, #8 Finishes (Ceiling Systems), #10 Flooring, #12 Fire Suppression, #13 Mechanical, #14 Plumbing, #15 Electrical/Cabling/IT

ADD1

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Summary of Work / Bid Packages

BID PACKAGE #2: CONCRETE

- This bid package shall include all labor, materials, equipment, services, insurances, and incidentals required to complete the Concrete work as specified by the drawings and specifications including the following:

SECTIONS:

- | | | |
|------------------|-----------------------------------|------------------------------------|
| • Division 0 | Bidding & Contract Documents | |
| • Division 1 | General Requirements | |
| • Section 03300 | Cast-In-Place | Complete |
| • Section 06100 | Rough Carpentry | As applicable to concrete |
| • Section 07200 | Insulation | As applicable to concrete |
| • Section 07260 | Vapor Barrier | As applicable to concrete |
| • Section 07900 | Sealants | As applicable to exterior concrete |
| • Section 313116 | Termite Control | As applicable to concrete |
| • Section 321313 | Concrete Paving, Curb & Sidewalks | Complete |

THIS SCOPE OF WORK SHALL INCLUDE BUT NOT LIMITED TO:

- Any testing is to be paid for by others but needs to be coordinated by the contractor.
- The subcontractor is to ensure that all elevated work areas are made ready to protect all areas below and have OSHA approved fall protection for work to proceed.
- The subcontractor is responsible for the daily clean-up of all waste & trash generated by their work.
- The subcontractor is responsible for reviewing ALL PLAN SHEETS AND PLAN NOTES for any and all information pertaining to this scope of work.
- The subcontractor is responsible for and must provide their own disposal for washout and concrete debris waste.
- Include all concrete related weather and temperature protection.
- Included all dewatering required to perform this scope of work.
- Include concrete repairs including but not limited to patching, rubbing, grinding, fill, sandblast, and caulk as indicated on the plan sheets and specifications.
- Include termite treatments.

ADD1

- Include all necessary layout and surveying from a provided benchmark for concrete work.
- Furnish and maintain all rebar caps on dowels until next trade begins.
- Include tactile panels as shows on C901.

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Summary of Work / Bid Packages

BID PACKAGE #8: FINISHES (CEILING SYSTEM)

- This bid package shall include all labor, materials, equipment, services, insurances, and incidentals required to complete the Finishes (Ceiling System) work as specified by the drawings and specifications including the following:

SECTIONS:

- | | | |
|-----------------|------------------------------|-----------------------------------|
| • Division 0 | Bidding & Contract Documents | |
| • Division 1 | General Requirements | |
| • Section 05400 | Cold Formed Metal Framing | Complete |
| • Section 05800 | Expansion Control | Complete |
| • Section 06100 | Rough Carpentry | As applicable to this bid package |
| • Section 06200 | Finish Carpentry | As applicable to this bid package |
| • Section 07200 | Insulation | As applicable to this bid package |
| • Section 09120 | Ceiling Suspension System | Complete |
| • Section 09250 | Gypsum Wallboard Acoustical | Complete |
| • Section 09500 | Treatment | Complete |

ADD1

THIS SCOPE OF WORK SHALL INCLUDE BUT NOT LIMITED TO:

- The subcontractor is to ensure that all elevated work areas are made ready to protect all areas below and have OSHA approved fall protection for work to proceed.
- The subcontractor is responsible for the daily clean-up of all waste & trash generated by their work.
- The subcontractor is responsible for reviewing ALL PLAN SHEETS AND PLAN NOTES for any and all information pertaining to this scope of work.
- The subcontractor is to include demo as it pertains to this scope of work.
- The subcontractor is to include any wall backing.

ADD1