



Kenton County School District | *It's about ALL kids.*

Issue Paper

DATE:

02/18/2026

AGENDA ITEM (ACTION ITEM):

Consider / Approve the construction documents for the Taylor Mill Elementary renovation project (BG 26-253) from Emboss Design.

APPLICABLE BOARD POLICY:

01.1 Legal Status of the Board; 04.31 Authority to Encumber and Expend Funds; 702 KAR 4:160

HISTORY/BACKGROUND:

On January 5, 2026, the Board approved a Site Development (SD) Plan for the Taylor Mill Elementary School renovation project. After a final review of the project by the District's Operations team and the Emboss Architecture team, it is time to consider approval of the Construction Documents (CD) so the bidding process may occur in March 2026 and a bid award may be made in May 2026. Construction would be scheduled to tentatively start in June 2026 with project completion tentatively scheduled for December 2027. The project is focused on HVAC upgrade/replacement, roof replacement, and interior and exterior renovations throughout the entirety of the building.

FISCAL/BUDGETARY IMPACT:

Estimated project cost of \$18,000,000.00 (\$15,500,000.00 estimate for actual construction costs).

RECOMMENDATION:

Approve the construction documents for the Taylor Mill Elementary renovation project (BG 26-253) from Emboss Design.

CONTACT PERSON:

Matt Rigg, Chief Operations Officer

Principal/Administrator

Matt Rigg
District Administrator

Superintendent

GENERAL NOTES - MECHANICAL

1. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE GENERAL AND SPECIAL CONDITIONS, "GENERAL CONDITIONS - MECHANICAL" OF THE PROJECT SPECIFICATIONS AND TO ALL OTHER CONTRACT DOCUMENTS AS THE FIRST OF THIS ORDER OF WORK. ATTENTION IS ALSO DIRECTED TO ALL OTHER CONTRACT DOCUMENTS WHICH AFFECTS THE WORK AND WHICH ARE HEREBY MADE A PART OF THE WORK SET.
2. ALL MANUFACTURERS, SUPPLIERS, FABRICATORS, CONTRACTORS, ETC. SUBMITTING PROPOSALS FOR ANY PART OF THE WORK, SHOULD MAKE SURE THAT ALL EQUIPMENT TO BE USED OR ORDERED TO THIS PROJECT ARE FULLY DIRECTED TO PARALLELIZE THEMSELVES WITH THE CONTRACT DOCUMENTS. IN CASE OF CONFLICTS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR CLARIFICATION AND FINAL DETERMINATION PRIOR TO THE BID.
3. THE WORK SHALL CONSIST OF FURNISHING ALL LABOR, EQUIPMENT, TRANSPORTATION, SUPPLIES, MATERIALS, APPROPRIATE TOOLS AND SERVICES NECESSARY FOR THE COMPLETE INSTALLATION OF THE MECHANICAL AND OPERATING SYSTEMS INDICATED OR SPECIFIED IN THE CONTRACT DOCUMENTS.
4. ANY MATERIALS, LABOR, EQUIPMENT OR SERVICES NOT MENTIONED SPECIFICALLY HEREIN MAY BE NECESSARY TO COMPLETE ANY PART OF THE SYSTEM IN A SUBSTANTIAL MANNER. IN COMPLIANCE WITH THE REQUIREMENTS STATED, ITEMS TO BE ORDERED IN THE PLANS AND SPECIFICATIONS, SHALL BE INCLUDED IN THE BID AS PART OF THE CONTRACT.
5. THE ENGINEER DOES NOT DEFINE THE SCOPE OF INDIVIDUAL TRADES, SUBCONTRACTORS, MATERIAL SUPPLIERS AND VENDORS. ANY ITEM NUMBER OR SPECIFICATION NUMBER SPECIFIED IN THE WORK SET IDENTIFIES DISCREPANCIES IS SOLELY FROM THE ENGINEER'S CONVEYANCE AND IS NOT INTENDED TO DEFINE A SUBCONTRACTOR'S SCOPE OF WORK. INFORMATION REGARDING INDIVIDUAL TRADES, SUBCONTRACTORS, MATERIAL SUPPLIERS AND VENDORS MAY BE OBTAINED BY THE CONTRACTOR AT DIFFERENT LOCATIONS THROUGHOUT THE CONTRACT DOCUMENTS. NO CONSTRUCTION SHALL BE GIVEN TO REQUESTS FOR CHANGE ORDERS FOR FAILURE TO OBTAIN AND REVIEW THE COMPLETE SET OF CONTRACT DOCUMENTS WHEN PREPARING BIDS, QUOTES AND QUOTATIONS, UNLESS STATED OTHERWISE. THE SUBSTITUTION AND ASSASSMENT OF WORK UNDER THE VARIOUS SECTIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR HOLDING THE PRIME CONTRACT.
6. IT IS THE INTENTION OF THE CONTRACT DOCUMENTS TO CALL FOR A COMPLETE AND OPERATIONAL SYSTEM, INCLUDING ALL COMPONENTS, ACCESSORIES, FINISH WORK, ETC. NECESSARY FOR trouble free operation. TO SITE AND READY FOR OPERATION, ANYTHING THAT MAY BE REQUIRED, IMPLIED, OR IMPLIED BY THE CONTRACT DOCUMENTS SHALL BE PROVIDED AND INCLUDED AS PART OF THE BID.
7. ALL CONTRACTORS AND VENDORS PROVIDING A BID FOR THIS PROJECT SHALL REVIEW THE PLANS AND SPECIFICATIONS AND DETECT ANY MODIFICATIONS AND/OR DISCREPANCIES NECESSARY RELATIVE TO THE PROPOSED EQUIPMENT AND MATERIALS WITH THE SPECIFIC MANUFACTURER'S INSTALLATION REQUIREMENTS. INCLUDE IN THE BID ANY NECESSARY NOTES, HEADNOTES, NOTES, ACCESSORIES, ETC. NECESSARY TO INSTALL THE PROPOSED EQUIPMENT AND MATERIALS, REGARDLESS OF WHETHER USED AS BASIS OF DESIGN OR BEING OFFERED AS A SUBSTITUTION. IN ACCORDANCE WITH THE SPECIFIC MANUFACTURER'S INSTALLATION REQUIREMENTS, WHETHER SPECIFICALLY DETAILED OR NOT, WITHIN THE PLANS AND SPECIFICATIONS.
8. THE BIDDER/RESPONDER SHALL COMPLETELY REVIEW THE CONTRACT DOCUMENTS. ANY INTERPRETATION AS TO DESIGN INTENT OR SCOPE SHALL BE PROVIDED BY THE ENGINEER. SHOULD ANY INTERPRETATION BE REQUIRED, THE BIDDER/RESPONDER SHALL REQUEST A CLARIFICATION NOT LESS THAN TEN (10) DAYS PRIOR TO THE SUBMISSION OF THE BID. IN THE EVENT OF ANY CONFLICT, DISCREPANCY, OR INCONSISTENCY DEVELOPS, THE INTERPRETATION OF THE ENGINEER SHALL BE FINAL.
9. THE CONTRACTOR SHALL PROVIDE LAYOUT CONFIRMATION OF EQUIPMENT LOCATIONS TO VERIFY THAT ALL COMPONENTS WILL FIT IN THE PROPOSED SPACE AND HAVE ADEQUATE CLEARANCE FOR THE PROPOSED WORK. NO COORDINATION SHALL BE REQUIRED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONDER CONTRACTORS.
10. EQUIPMENT AND MATERIALS SUBSTITUTIONS OR DEVIATIONS SHALL COMPLY WITH GENERAL PROVISIONS - MECHANICAL PART 8.7. ANY VENDOR WISHING TO OBTAIN AN EQUIPMENT SUBSTITUTION SHALL REQUEST A CLARIFICATION NOT LESS THAN TEN (10) DAYS PRIOR TO THE SUBMISSION OF THE PROPOSAL, SO THAT IT MAY BE CONSIDERED AND INSTALLED ACCORDING TO THE ENGINEER'S DISCRETION AT THE END OF THE BIDDING PERIOD.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE REGARDLESS OF CONTRACTOR'S SIGNATURE OF CODES, RULES, REGULATIONS, LAWS, ETC. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL CODES, RULES, REGULATIONS, LAWS, ETC. PERTAINING TO THEIR PART OF THE WORK PRIOR TO SUBMISSION OF THE PROPOSAL.
12. ALL WARRANTIES SHALL BEGIN STARTING AT THE PROJECT'S SUBSTANTIAL COMPLETION DATE. ALL EQUIPMENT, PARTS AND LABOR WARRANTIES SHALL BE FURNISHED BY THE EQUIPMENT SUPPLIER/PRODUCER.
13. WHEREVER WORK IS TO BE ROOFING, IT SHALL BE DONE IN A MANNER THAT WILL NOT IMPROVE OR VOID THE ROOFING GUARANTEE OR WARRANTY IN ANY WAY. COORDINATE ALL SUCH WORK WITH THE ROOFING INSTALLER.
14. DUCTWORK, PIPING AND EQUIPMENT SHALL BE KEPT CLEAN AT ALL TIMES. DUCTWORK STORED ON THE JOB SITE SHALL BE IN A PLACE PROTECTED FROM THE FLOOR AND BE COMPLETELY COVERED IN PLASTIC. INSTALLED DUCTWORK SHALL BE PROTECTED WITH PLASTIC. DO NOT INSTALL THE DUCTWORK OR INSULATION (PIPE OR DUCT) IN THE BUILDING'S NOT TO BE OPENED. IF THIS IS REQUIRED, THE ENTIRE LENGTH SHALL BE COVERED WITH PLASTIC TO PROTECT THE UNDERGROUND. IN CASE OF ANY INSPECTION THAT THESE PRECAUTIONS ARE FOLLOWED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE REQUIRED TO CLEAN THE DUCT SYSTEM UTILIZING A PROPERLY CERTIFIED CONTRACTOR.
15. THE PERMANENT SYSTEMS, WHEN INSTALLED, MAY BE USED FOR TEMPORARY SERVICES WITH THE CONSENT OF THE ENGINEER AND IN STRICT ACCORDANCE WITH "GENERAL PROVISIONS - MECHANICAL - TEMPORARY USE OF EQUIPMENT".
16. THE CONTRACTOR AND TRADE SUBCONTRACTORS SHALL INCLUDE IN THE BID TO PROVIDE EQUIPMENT AND CONTROLS SETUP AND VERIFICATION FOR ALL MECHANICAL SYSTEMS SPECIFIED FOR THIS PROJECT AND IN STRICT ACCORDANCE WITH "GENERAL PROVISIONS - MECHANICAL - EQUIPMENT CONTROLS STARTUP & VERIFICATION".
17. THE CONTRACTOR SHALL DETERMINE FROM THE CONTRACT DOCUMENTS, THE DATE OF COMPLETION FOR THE PROJECT AND ENSURE THAT EQUIPMENT DELIVERY SCHEDULES CAN BE MET SO AS TO ALLOW THIS COMPLETION TO BE MET.
18. THROUGH COORDINATION WITH OTHER CONTRACTORS, VENDORS, AND SUPPLIERS ASSOCIATED WITH THIS PROJECT, THIS CONTRACTOR SHALL ENSURE TOON, FUNCTIONAL, TESTED, INSPECTED AND APPROVED SYSTEMS, CLAIMS FOR ADDITIONAL COST OR CHANGE ORDERS WILL BE REFLECTED.
19. PRIOR TO ORDERING ANY MATERIALS OR EQUIPMENT OF ANY KIND, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL COORDINATION OF ALL ELECTRICAL REQUIREMENTS (E.V.A. FACE, PHASE, CIRCUIT BREAKERS, WIRE SIZING, ETC.) WITH THE ELECTRICAL CONTRACTOR. THESE WILL BE NO CHANGE IN THE CONTRACT AMOUNT FOR ANY DISCREPANCIES.
20. ALL OFFSETS, TURNING, FITTINGS, TRIM, DETAIL, ETC., MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROVIDER'S DISCRETION.
21. DO NOT SCALE FROM DRAWINGS, PRINTING DISTORTS SCALE. WORK SHALL BE Laid OUT FROM CONTRACTOR OWN BATES DIMENSIONED DRAWINGS.
22. THE CONTRACTOR SHALL ENSURE PROPER COORDINATION BETWEEN ALL TRADES SUCH THAT CONDOLTS, PIPING, DUCTWORK, ETC. DOES NOT BLOCK ACCESS TO WALLS, EQUIPMENT, DUCT ACCESS DOORS, ETC. ITEMS THAT MAY BE INSTALLED WHERE ACCESS IS COMPROMISED SHALL BE RELOCATED TO ALLOW ACCESS TO THE CONTRACTOR'S SERVICE.
23. THESE DRAWINGS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE, HOWEVER LOCATIONS AND SIZES WHERE TAKEN FROM DIFFERENT SOURCES ARE AND SUBJECT TO DEVIATION. THE CONTRACTOR SHALL ASSUME SOME DEVIATIONS AND RELATED RISKS, ADDITIONAL WORK, ETC. AT THE TIME OF BID.
24. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR THEIR WORK. ALL CUTTING AND PATCHING SHALL MATCH ADJACENT SURFACES AND BE PROPERLY FINISHED WORKING OF THE TRIM. REFER TO SPECIFICATION SECTION "FINISHES, CUTTING, PATCHING, REPAIRING, ETC." AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
25. ALL SUPPORTS FOR EQUIPMENT, PIPING OR FITTINGS SHALL BE UNIFORM, FROM THE BUILDING STRUCTURE. LINE, DO NOT SUPPORT WORK FROM OTHER TRADES, EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE MECHANICAL AND CONSENT OF THE OTHER TRADES. FINISHING.
26. PRIOR TO PURCHASE OR FABRICATION OF PIPING, THE CONTRACTOR SHALL COORDINATE INSTALLATION WITH ALL OTHER TRADES AND MATERIALS, AS APPROPRIATE.
27. VALVES, BALANCING DAMPERS OR ANY MECHANICAL/CITRAL ITEM SHALL NOT BE LOCATED ABOVE A HAND LIFTING. THIS IS NOT PERMISSIBLE. THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED AT NO ADDITIONAL COST UNDER THE ITEM WHERE THIS SHOWS OR NOT ON THE PLANS TO ALLOW ACCESS AND ADJUSTMENT.
28. THE CONTRACTOR SHALL VISIT THE SITE FOR EXACT LOCATIONS OF ALL WALL AND CEILING DEVICES. THIS SHALL INCLUDE PLUMBING FIXTURES, CEILING GULLIES AND DIFFUSERS, ETC.
29. CONTRACTOR SHALL CLEAN UP CONSTRUCTION DEBRIS AT ALL TIMES DURING CONSTRUCTION.

GENERAL NOTES - DEMOLITION

1. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR AREAS IN WHICH THE CEILING IS REMAINING. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE EXISTING CEILING AND REINSTALLATION, TEMPORARILY SUPPORT LIGHTS, DIFFUSERS, CEILING ETC. REPLACE BROWN CEILING TILES WITH NEW AT NO ADDITIONAL COST TO OWNER. REFER TO EXACT LOCATION.
2. ALL OUTRAGES SHALL BE SCHEDULED THROUGH THE PROJECT REPRESENTATIVE FOR PROPER COORDINATION. A REQUEST FOR AN OUTRAGE SHALL BE SUBMITTED IN WRITING A MINIMUM OF TWO WEEKS IN ADVANCE.
3. DURING SHOWER SYSTEM OUTAGES, THE CONTRACTORS SHALL PROVIDE FIRE WATCH OF TWO WEEKS IN ADVANCE.
4. ALL WALLS AND FLOOR SLABS SHALL BE REPAIRED TO MATCH EXISTING AND TO A LIKE NEW CONDITION. ALL DATED WALLS AND FLOOR SLABS SHALL BE PROTECTED FROM REPAIR TO MATCH EXISTING.
5. ALL EXISTING BUILDING FINISHES SHALL BE PROTECTED DURING THE DEMOLITION PHASE.
6. HEAVY DASHED LINES INDICATE ITEMS FOR REMOVAL (AND) LIGHT SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
7. COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH THE OWNER.

ABBREVIATIONS

ADJ	ADJUSTABLE
AF	ABOVE FINISHED FLOOR
AH	ABOVE FINISHED ROOF
APD	AIR PRESSURE DROP
AVG	AVERAGE
BMS	BUILDING AUTOMATION SYSTEM
BRK	BREAK HORSE POWER
RTU	ROOFTOP REFRIG. UNIT
CAV	CONSTANT AIR VOLUME
CFM	CUBIC FEET PER MINUTE
CO	CARBON MONOXIDE
CO2	CARBON DIOXIDE
DB	DRY BULB
DDC	DIRECT DIGITAL CONTROLS
DN	DOWN
EAT	ENTERING AIR TEMPERATURE
EL	ELECTRICAL CONTRACTOR
ESP	EXTERNAL STATIC PRESSURE
ETR	EXISTING TO REMAIN
EW	ENTERING WATER TEMPERATURE
FA	FREE AREA
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FPC	FIRE PROTECTION CONTRACTOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FSD	FIRE SMOKE DAMPER
GAL	GALLONS
GC	GENERAL CONTRACTOR
GPH	GALLONS PER HOUR
GR	GRAINS
HD	HEAD
HP	HORSEPOWER
ID	INSIDE DIAMETER OR INSIDE DIMENSION
W	KILOWATTS
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MBA	BTU PER HOUR [THOUSANDS]
MCA	MINIMUM CIRCUIT AMPS
MFG	MANUFACTURER
MOCF	MAXIMUM OVERCURRENT PROTECTION (AMPS)
NC	NOISE CRITERIA OR NORMALLY CLOSED

ABBREVIATIONS (CONTINUED)

NO	NORMALLY OPEN OR NORMALLY
N/S	NOT TO SCALE
OD	OUTSIDE OUPLET OR OUTSIDE DIMENSION
OCF	OWNER FURNISHED, CONTRACTOR INSTALLED
OCF	OWNER FURNISHED, OWNER INSTALLED
PL	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PH	PHASE [ELECTRICAL]
PPM	PARTS PER MILLION
PS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE (STEAM, WATER, GAS)
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	PSI GAUGE
RH	RELATIVE HUMIDITY [%]
RRM	REVOLUTIONS PER MINUTE
SD	SMOKE DAMPER
SP	STATIC PRESSURE
SQ FT	SQUARE FEET OR FOOT
TSP	TOTAL STATIC PRESSURE
TPW	TEMPERATURE
UNO	UNLESS NOTED OTHERWISE
V	VOLTAGE
VAR	VARIABLE OR VARIES
VAV	VARIABLE AIR VOLUME
VLT	VOLTAGILITY
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS
WB	WET BULB
WPD	WATER PRESSURE DROP
ΔP	DIFFERENTIAL PRESSURE
ΔT	TEMPERATURE DIFFERENCE
±	CENTERLINE
ID	INSIDE DIAMETER OR INSIDE DIMENSION
W	KILOWATTS
Δ	LEAVING AIR TEMPERATURE
Δ	LEAVING WATER TEMPERATURE
△	ROOM TAG
△	EQUIPMENT TAG
△	POINT OF CONNECTION / CONNECT TO EXISTING
△	POINT OF DEMOLITION
△	NOISE CRITERIA OR NORMALLY CLOSED

GENERAL SYMBOLS

△	TAGGED NOTE DESIGNATOR
△	REVISION TRIANGLE
△	ROOM TAG
△	EQUIPMENT TAG
△	POINT OF CONNECTION / CONNECT TO EXISTING
△	POINT OF DEMOLITION
△	NOISE CRITERIA OR NORMALLY CLOSED

PHASING NOTES

1. THIS PROJECT INTERACTS EXTENSIVELY WITH EXISTING BUILDING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND PHASE ALL TRAVEL AND INTERLUPTIONS OF EXISTING SERVICES TO MINIMIZE OR ELIMINATE DOWNTIME. AS AN EXAMPLE, WHEN GAS SERVICE, WATER SERVICE, ELECTRICAL SERVICE, HVAC SERVICES, ETC. WILL BE AFFECTED OR RELOCATED OR MOVED DURING THIS PROJECT, THE CONTRACTOR SHALL INSTALL ALL NEW SERVICES AND EQUIPMENT AND HAVE THEM TESTED AND FULLY OPERATIONAL PRIOR TO INTERRUPTING, RELOCATING OR REMOVING ANY EXISTING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BARE ANY AND ALL COSTS ASSOCIATED WITH THIS PHASING, INCLUDING TEMPORARY SERVICES, TEMPORARY RELOCATION, PREPARE THE WORK, ETC. CONTRACTOR SHALL COORDINATE ALL SAID WORK WITH THE OWNER AND APPLICABLE UTILITIES PER THE CONTRACT DOCUMENTS.

HAZARDOUS MATERIALS NOTES

1. THE CONTRACTOR IT IS HEREBY ADVISED THAT IT IS POSSIBLE THAT ASBESTOS AND/OR OTHER HAZARDOUS MATERIALS ARE OR WERE PRESENT IN THIS BUILDING(S). ANY WORKER, OCCUPANT, VISITOR, ETC. WHO ENCOUNTERS ANY MATERIAL OF WHOSE CONTENT THE YARE NOT CERTAIN SHALL PROMPTLY REPORT THE EXISTENCE AND LOCATION OF THAT MATERIAL TO THE OWNER. FURTHERMORE, THE CONTRACTOR SHALL ENSURE THAT NO ONE COMES NEAR TO OR IN CONTACT WITH ANY SUCH MATERIAL UNLESS THE RISK FROM UNTIL ITS CONTENT CAN BE ASCERTAINED TO BE NON-HAZARDOUS.
2. CEMENTING HAS NO EXPOSURE TO THE DECONTAMINATION OF THE PRESENCE OF ANY HAZARDOUS MATERIAL. HOWEVER, NO ATTEMPT HAS BEEN MADE BY OSHA TO IDENTIFY THE EXISTENCE OR LOCATION OF ANY SUCH HAZARDOUS MATERIALS. THEREFORE, THE CONTRACTOR FURTHER AGREES TO MAKE ANY RECOMBINATIONS RELATIVE TO THE REMOVAL, HANDLING OR DISPOSAL OF SUCH MATERIALS OF THE WORK WHICH IS TO BE PERFORMED IN THESE AREAS, CONTACTS OR RELATES IN ANY MANNER, WITH OR TO EXISTING COMPONENTS WHICH CONTAIN OR BEAR ANY HAZARDOUS MATERIALS, ASBESTOS BEING ONE, THEN IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO CONTACT THE OWNER AND SO ADVISE HIM/HER IMMEDIATELY.
3. THE CONTRACTOR BY EXECUTION OF THE CONTRACT FOR ANY WORK AND/OR BY THE ACCEPTANCE/COMPLETION OF ANY WORK HEREBY AGREES TO BE BOUND TO REMOVAL OF HAZARDOUS MATERIALS FOR NEGLIGENCE, BREACH OF CONTRACT, INDEMNITY, OR ANY OTHER SUCH ITEM AGAINST OSHA, ITS MEMBERS, EMPLOYEES, AGENTS OR CONSULTANTS. ALSO, THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD OSHA, ITS MEMBERS, EMPLOYEES, AGENTS AND CONSULTANTS HARMLESS FROM ANY SUCH RELATED CLAIMS WHICH MAY BE BROUGHT BY ANY SUBCONTRACTORS, SUPPLIERS OR ANY OTHER THIRD PARTIES.
4. THE CONTRACTOR IS DIRECTED TO THE SPECIFICATIONS FOR FURTHER INFORMATION.

HVAC LEGEND

□	SUPPLY AIR DIFFUSER
□	RETURN AIR GULLY
□	EXHAUST AIR DIFFUSER
□	TRANSFER AIR GULLY WITH SOUND ATTENUATING BOMB
□	SMALL DIFFUSE GULLY
□	AIR INLET TAG (REGISTERS, GRILLS, DIFFUSERS, LOUVERS)
□	RECTANGULAR DUCT
□	ROUND/SPIRAL DUCT
□	FLAT DUAL DUCT
□	SUPPLY AIR DUCT
□	RETURN AIR DUCT
□	EXHAUST AIR DUCT
□	TRANSFER AIR DUCT
□	COMBUSTION AIR EXHAUST DUCT
□	COMBUSTION AIR INTAKE DUCT
□	SA AIR DUCT TURNING UP
□	SA AIR DUCT TURNING DOWN
□	RA AIR DUCT TURNING UP
□	RA AIR DUCT TURNING DOWN
□	EA AIR DUCT TURNING UP
□	EA AIR DUCT TURNING DOWN
□	EXISTING DUCT - (GOOD IN NOTES SYSTEM)
□	DUCT TO BE DEMOLISHED - (GOOD IN NOTES SYSTEM)
□	DUCT TO BE ABANDONED IN PLACE - (GOOD IN NOTES SYSTEM)
□	METERED FLOW WITH TURNING VANES
□	FLEXIBLE DUCT
□	THERMOSTAT
□	TEMPERATURE SENSOR
□	HUMIDITY SENSOR
□	CARBON DIOXIDE SENSOR
□	TEMPERATURE & CARBON DIOXIDE SENSOR
□	MANUAL BALANCING VOLUME DAMPER
□	MOTORIZED DAMPER

MECHANICAL PIPING LEGEND

—	PIPE ELBOW TURNING UP
—	PIPE ELBOW TURNING DOWN
—	PIPE TEE, CONNECTION ON TOP
—	PIPE TEE, CONNECTION ON BOTTOM
—	PIPE CAP
—	CONDENSATE DRAIN
—	CHILLED WATER SUPPLY TURN
—	CONDENSER WATER SUPPLY TURN
—	HEATING WATER SUPPLY TURN
—	REFRIGERANT SUPPLY TURN
—	PIPING TO BE DEMOLISHED - (GOOD IN NOTES SYSTEM)
—	EXISTING PIPING - (GOOD IN NOTES SYSTEM)



NOT FOR CONSTRUCTION

Taylor Mill Elementary School
5907 Taylor Mill Rd.
Covington, KY 41015

NO	DESCRIPTION	DATE
	Design Development	01/25/24
	Construction Drawings	02/11/24

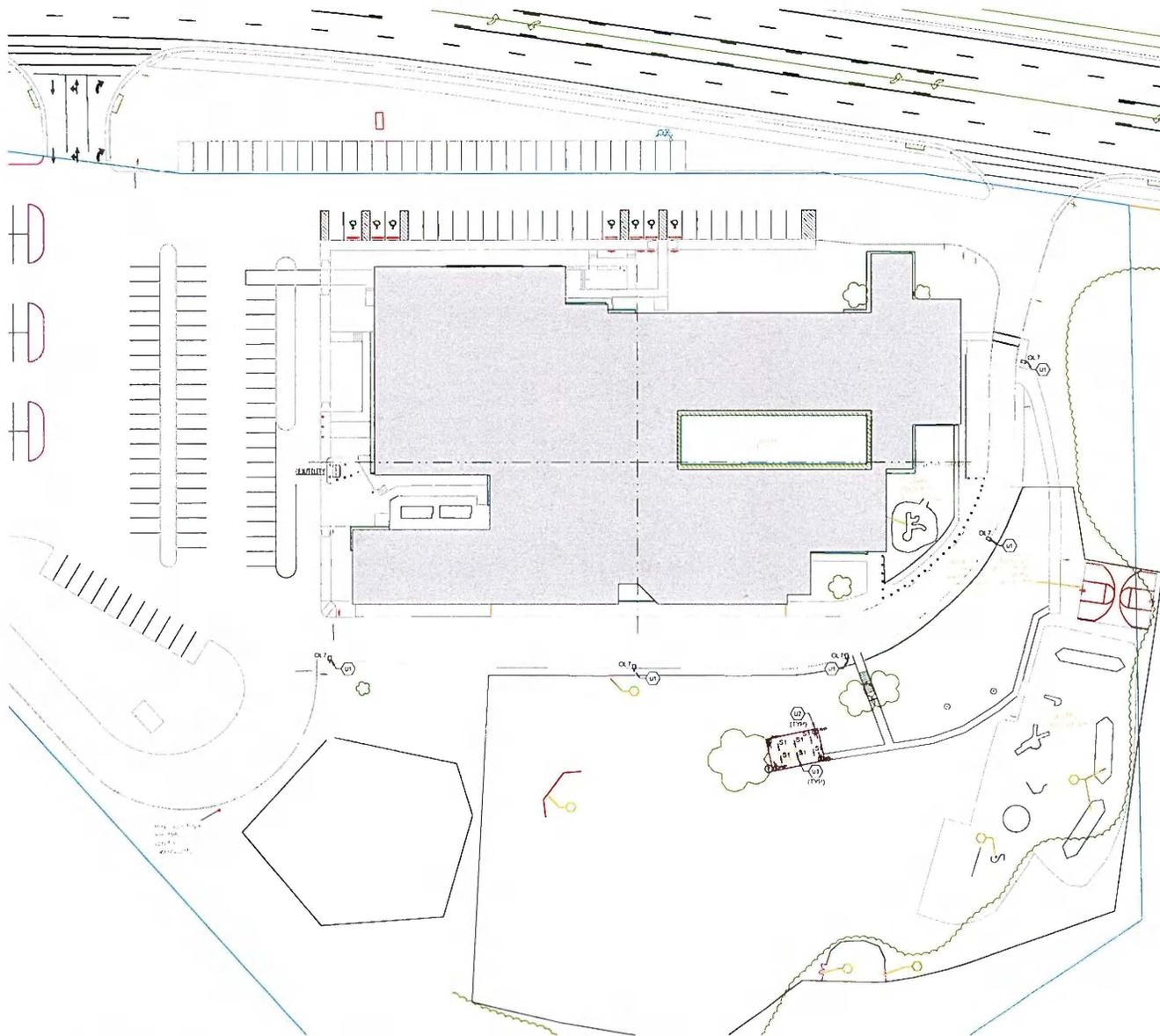
MECHANICAL LEGEND

OKCS25-03

M000

NOTE: NOT ALL SYMBOLS AND ABBREVIATIONS MAY BE USED ON THIS PROJECT

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- TAGGED NOTES**
- L1: RE PLACE IN PLACE EXISTING POLE MOUNTED LIGHTING AT BUS LANE. PROVIDE NEW CONCRETE BASE. MATCH HEIGHT OF BASE WITH NEWLY RE PLACE D LOCAL ROAD. MAINTAIN EXISTING CIRCUITING AND CONTROL. PROVIDE NEW POLE AND LUMINAIRE HEADS NOTED IN LUMINAIRE SCHEDULE
 - L2: PROVIDE OF EQUIPMENT ENCLOSURES AT PRINCIPAL SHEET. PROVIDE RECEPTACLES WITH WEATHERPROOF WHILE IN USE COVER.
 - L3: PROVIDE NEW OVERHEAD LIGHTING AT PRINCIPAL SHEET. MOUNT TO STRUCTURE ABOVE. PROVIDE MANUAL SWITCH FOR EMERGENCY CONTROL. WITH PHOTOCELL DIMMER.

ELECTRIC SITE PLAN
 SCALE: 1" = 30'-0"
 0 15 30 60 90 120

Kentucky 811
 Kentucky's Utility Location Service

THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL CONTACT THE KENTUCKY 811 ONE CALL SYSTEM AT 1-800-342-7348 OR 811 TO OBTAIN UNDERGROUND UTILITY LOCATIONS PRIOR TO ANY CONSTRUCTION. ANY CONTRACTOR OR SUBCONTRACTOR PERFORMING ANY TYPE OF EXCAVATION ON THIS PROJECT TO OBTAIN AN AUTHORIZATION NUMBER.

PRINT DATE: 2/16/2025 11:41:22 AM



EmbosDesign.com 808 Warmouth Street
 (502) 513-8813 Newport, KY 41011

NOT FOR CONSTRUCTION

Taylor Mill Elementary School

5907 Taylor Mill Rd.
 Covington, KY 41015

ID	DESCRIPTION	DATE
	Design Development	01/22/26
	Construction Drawings	02/11/26

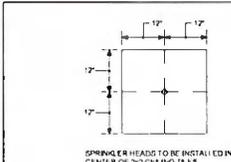
ELECTRICAL SITE PLAN

OKCS25-03

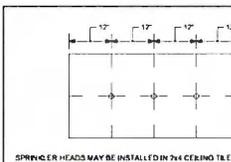
ES001

PHASING NOTES

- A. THIS PROJECT INTERACTS EXTENSIVELY WITH EXISTING BUILDING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND PHASE ALL TILING AND INTERRUPTIONS OF EXISTING SERVICES TO MINIMIZE OR ELIMINATE DOWN TIME. AS AN EXAMPLE, MAIN GAS SERVICE, WATER SERVICE, ELECTRICAL SERVICE, HVAC SERVICES, STEAM GENERATION, ETC., WILL BE AFFECTED AND REPLACED OR MOVED DURING THIS PROJECT. THE CONTRACTOR SHALL INSTALL ALL NEW SERVICES AND EQUIPMENT AND HAVE THEM TESTED AND FULLY AND READILY FUNCTIONAL PRIOR TO INTERRUPTING, RELOCATING OR REMOVING ANY EXISTING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BARE ANY AND ALL COSTS ASSOCIATED WITH THIS PHASING, INCLUDING TEMPORARY SERVICES, TEMPORARY RELOCATION, PREMIUM TIME WORK, ETC. CONTRACTOR SHALL COORDINATE ALL SAID WORK WITH THE OWNER AND APPLICABLE UTILITIES PER THE CONTRACT DOCUMENTS.



2x2 CEILING TILE DETAIL
SCALE: 1/8" = 1'-0"



2x4 CEILING TILE DETAIL
SCALE: 1/8" = 1'-0"

SPRINKLER HEADS MAY BE INSTALLED IN THE CEILING TILES IN ANY OF THE THREE LOCATIONS INDICATED ABOVE. NO FACE FINISH.

GENERAL NOTES - FIRE PROTECTION

- A. ALL AREAS SHALL BE PROTECTED BY A 100% WET PIPE FIRE SUPPRESSION SYSTEM INSTALLED IN STRICT ACCORDANCE WITH NFPA 13, THE STATE BUILDING CODES AND THE PROJECT'S SPECIFICATIONS.
- B. ALL AREAS ARE PRESENTLY PROTECTED BY A 100% WET PIPE FIRE SUPPRESSION SYSTEM. CONTRACTOR SHALL IMPROVE THE SYSTEM AS REQUIRED TO MAINTAIN 100% PROTECTION IN ACCORDANCE WITH NFPA 13. ALL EXISTING BUILDINGS AND OPERATIONS SHALL BE MAINTAINED.
- C. THE SUCCESSFUL FIRE PROTECTION CONTRACTOR SHALL OBTAIN AND UTILIZE THE ARCHITECTURAL REFLECTED CEILING PLAN FOR LAYOUT OF THE SPRINKLER HEADS. THE REFLECTED CEILING PLANS SHOWN ARE TO COORDINATE CEILING TYPES AND LOCATIONS. REFER TO THE MECHANICAL AND ELECTRICAL DRAWINGS FOR CEILING TYPE LOCATIONS. REFER TO THE SPECIFICATIONS FOR COORDINATION DRAWING REQUIREMENTS.
- D. HEADS SHALL BE CENTERED ON 2'x2' TILES. INSTALL HEADS ON JOINTS OF THE 4" DIMENSION AND CENTER OF 2'x4" DIMENSION IN 2'x4' TILES. DO NOT PLACE HEADS IN CENTER OF 2'x4' TILE IF IT IS SCHEDULED TO LOOK LIKE 1'x2'x4" TILES.
- E. ALL SPRINKLER HEADS SHALL BE "SMOKE CELEST" QUICK RESPONSE SMOKE HEAT HEADS UNLESS OTHERWISE NOTED ON THE PLANS. HEADS SHALL BE FIELD FROM A RE FURNISHMENT ARRANGEMENT.
- F. UTILIZE UPRIGHT AND/OR WALL-MOUNTED TYPE SPRINKLER HEADS IN AREAS WITHOUT CEILING.
- G. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE HIS OWN FLOW TEST PRIOR TO SUBMITTING SHOP DRAWINGS.
- H. REFER TO A COMPLETE SET OF DOCUMENTS (ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL PLANS AND SPECIFICATIONS) FOR COORDINATION OF TRADES, ROOMS, STRUCTURE AND EQUIPMENT. FIRE PROTECTION DRAWINGS SHALL BE INSTALLED PRIOR TO THE PROTECTION PIPING. PROVIDE DOWN VALVES IN THE FIRE PROTECTION SYSTEM WHERE REQUIRED TO COMPLETE THE SYSTEM.
- I. REFER TO THE SPECIFICATIONS FOR SPRINKLER HEAD TYPES.
- J. PROVIDE ALL REQUIRED DRAIN PIPING TO TEST FLOW SWITCHES, DISCHARGE DOWN VALVES AND FLOOR DRAINS.
- K. SIZE ALL FIRE PROTECTION PIPING IN ACCORDANCE WITH NFPA 13. PIPE SIZES SHALL BE ACCORDANCE WITH THE REQUIRED HYDRAULIC CALCULATIONS.
- L. SUBMIT HYDRAULIC CALCULATIONS AND SYSTEM DESIGN FOR REVIEW TO THE ARCHITECT.
- M. THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICES. FOR SAKE OF CLARITY, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC., OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARDS AND SAFE REQUIREMENTS.
- N. WHERE WORK IS REQUIRED ABOVE EXISTING LATH, PLASTER OR GYPSUM BOARD CEILING, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REINSTALLATION (OR REPLACEMENT IF DAMAGED) OF ALL CEILING TILES AND GRID. WHERE NECESSARY TO REPAIR OR REPLACE WORK, NEW TILE AND GRID SHALL MATCH THE SURROUNDING AREA. ALL PATCHING WORK SHALL BE IDENTICAL TO ORIGINAL SURFACES.
- O. ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES, WITH THE EXISTING GRID ONLY.
- P. CONDITION ALL WORK WITH PROJECT PHASING REQUIREMENTS. PATCH, REPAIR AND PAINT OR PROVIDE WALL COVERING FOR (TO OWNER'S STANDARDS) EXISTING WALLS, CEILING, ETC. THAT ARE TO REMAIN. IF DAMAGED DURING CONSTRUCTION, REPAIRS SHALL MATCH ADJACENT SURFACES TO THE SATISFACTION OF THE ARCHITECT AND OWNER.
- Q. OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, FEDERAL, MUNICIPALITY, UTILITY COMPANY, STATE, ETC.)
- R. CONTRACTOR SHALL BE AWARE OF UNDER PIPING, HVAC AND ELECTRICAL WORK DURING DEMOLITION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE FIELD TO VERIFY THE USE OF THE ITEM AND PLAN AN APPROPRIATE ROUTE TO REMOVE THE ITEM. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE ROUTING.
- S. ALL PENETRATIONS OF THE FLOOR AND SHORERATED ASSEMBLIES SHALL BE PROTECTED BY FIRE STOPPING PER AN APPROVED LISTED STANDARD. CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO INSULATED PIPING PENETRATIONS.
- T. ALL WORK REQUIRING DOWNTIME OF ANY AREA IN THE BUILDING SHALL BE SCHEDULED 2 WEEKS IN ADVANCE, AND SHALL COMPLY WITH INTENT OF LIFE SAFETY MEASURES.
- U. WHERE CEILING ARE INDICATED ALL SPRINKLER PIPING MUST BE INSTALLED ABOVE CEILING. SPRINKLER PIPING MUST BE COORDINATED WITH OTHER TRADES. PIPING MUST BE INSTALLED TO AVOID CONTACTS WITH OTHER TRADES, CONDUIT, EQUIPMENT, ETC.
- V. LOCATIONS OF PIPING, SHUTS AND EQUIPMENT ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. DO NOT SCALE THE DRAWINGS.
- W. ALL CHANGES IN QUANTITIES AND PIPING ARE NOT NECESSARILY SHOWN. PROVIDE ADDITIONAL QUANTITIES WHERE NECESSARY.
- X. COORDINATE ALL HVAC WORK WITH ELECTRICAL, PLUMBING AND OTHER TRADES TO AVOID INTERFERENCE WITH PIPING, DUCTS, CONDUIT AND OTHER EQUIPMENT.
- Y. SEAL ALL HOLES AND ALL DUCTS AND SERVICE PENETRATIONS THROUGH WALLS, FLOORS AND ROOF. PROVIDE FIRE STOPPING IN THE PARTITION.
- Z. THE CONTRACTOR SHALL BE LOCATE OR AVOID ANY EXISTING EQUIPMENT APERTURES, ETC., THAT CONFLICT WITH NEW WORK.
- AA. VALVES, BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM REQUIRING ACCESS SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT. ADDITIONALLY ALL SUCH ITEMS SHALL NOT BE LOCATED AN UNREASONABLE DISTANCE ABOVE THE CEILING. IN GENERAL ALL SUCH ITEMS UNLESS INDICATED OTHERWISE SHALL BE MOUNTED SUB TO TWELVE (12) FEET ABOVE THE CEILING. IF IN DOUBT, CONTACT ENGINEER PRIOR TO INSTALLATION.

HAZARDOUS MATERIALS NOTES

- A. THE CONTRACTOR IS TO BE ADVISED AS EARLY AS POSSIBLE THAT ASBESTOS AND/OR OTHER HAZARDOUS MATERIALS ARE OR MAY BE PRESENT IN THIS PROJECT. ANY WORKER, EQUIPMENT, SYSTEM, ETC., AND INCAPABLES ANY MATERIAL OF WHICHE CONTENT THEY ARE NOT CERTAIN SHALL PROHIBIT REPAIR THE ASBESTOS AND LOCATIONS THAT MATERIAL TO THE OWNER. FURTHERMORE, THE CONTRACTOR SHALL INSURE THAT NO ONE COMES NEAR TO OR IN CONTACT WITH ANY SUCH MATERIAL OR LINES THEREFROM UNTIL ITS CONTENT CAN BE ASCERTAINED TO BE NON-HAZARDOUS.
- B. OSHA HAS NO JURISDICTION IN THE DETERMINATION OF THE PRESENCE OF ANY HAZARDOUS MATERIAL. THE NEGOTIATED T11MP11 HAS BEEN MADE BY OSHA TO IDENTIFY THE EXISTENCE OR LOCATION OF ANY SUCH HAZARDOUS MATERIAL. FLUORIDE, CRYSTAL, AND ANY AFFILIATE VENDOR WILL NOT OFFER OR MAKE ANY RECOMMENDATIONS RELATIVE TO THE REMOVAL, HANDLING OR DISPOSAL OF SUCH MATERIAL.
- C. IF THE WORK WHICH IS TO BE PERFORMED INTERFERES, CONTACTS OR DAMAGES IN ANY MANNER OR WAY WITH OR TO EXISTING COMPONENTS WHICH CONTAIN OR BEAR ANY HAZARDOUS MATERIAL, ASBESTOS, BONDING ONE, THEN IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO CONTACT THE OWNER AND SO ADVISE HIM/HER IMMEDIATELY.
- D. THE CONTRACTOR BY EXECUTION OF THE CONTRACT FOR ANY WORK UNDER BY THE ACCOMPANIMENT OF ANY WORK HEREBY AGREES TO BEING NO CLAIM, LIABILITY TO HAZARDOUS MATERIALS FOR NEGLIGENCE, NEGLIGENCE, CONTRACT, LIABILITY OR ANY OTHER SUCH CLAIM AGAINST OSHA, ITS PRINCIPALS, EMPLOYEES, AGENTS OR CONSULTANTS. ALSO, THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD OSHA, ITS PRINCIPALS, EMPLOYEES, AGENTS AND CONSULTANTS HARMLESS FROM ANY SUCH RELATED CLAIMS WHICH MAY BE BROUGHT BY ANY SUBCONTRACTORS, SUPPLIERS OR ANY OTHER THIRD PARTIES. THE CONTRACTOR IS DIRECTED TO THE SPECIFICATIONS FOR FURTHER INFORMATION.

ABBREVIATIONS

ADJ	ADJUSTABLE
AF	ABOVE FINISHED FLOOR
AJ	AUTHORITY HAVING JURISDICTION
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE
CEILING	CEILING
CLR	CLEAR
DN	DOWN
ENGR	ENGINEER
EQ	EQUAL
EX	EXISTING TO REMAIN
EXT	EXTERIOR
FVC	FIRE VALVE CABINET
FL	FLOOR
FLA	FULL LOAD AMP
FB	FLOOR BOTTOM
FD	FLOOR ON TOP
FF	FIRE PROTECTION CONTRACTOR
FF	FIRE FOOT
FUT	FUTURE
GA	GAGE/GAUGE
GAL	GALLON (-S)
GC	GENERAL CONTRACTOR
HORIZ	HORIZONTAL
ID	INTERNAL DIAMETER, INSIDE DIAMETER, INSIDE DIMENSION
IN	INCH (-S)
INT	INTERIOR, INTERNAL
IPS	IRON PIPE SIZE
ISS	POUNDS
LF	LINEAR FEET/FOOT
MAX	MAXIMUM
MANU	MANUFACTURER
MIN	MINIMUM, MINUTE
MISC	MISCELLANEOUS
MTG	MOUNTING
N/A	NOT APPLICABLE
NC	NOISE CRITERIA OR NORMALLY CLOSED
NOT IN CONTRACT	NOT IN CONTRACT
NO	NORMALLY OPEN OR NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER, EXTERNAL
CFI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFI	OWNER FURNISHED, CONTRACTOR INSTALLED
CFI	OWNER FURNISHED, OWNER INSTALLED
FC	FLUOROPOLYMER CONTRACTOR
FLNG	FLUOROPOLYMER
FRV	PRESSURE REDUCING VALVE (STEAM, WATER, GAS)
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	PSI GAUGE
SQ FT	SQUARE FEET OR FOOT
TBD	TO BE DETERMINED

ABBREVIATIONS (CONTINUED)

TE	TOP ELEVATION
TYP	TYPICAL
UNL	UNLESS NOTED OTHERWISE
WT	WEIGHT
WV	WITH
W/O	WITHOUT
%	PERCENT
Ø	CENTERLINE

GENERAL SYMBOLS

⊙	TAGGED NOTIFICATION
⊠	REVISION TRANSMIT
⊡	ROOM TAG
⊢	EQUIPMENT TAG
⊣	POINT OF CONNECTION / CONNECT TO EXISTING
⊤	POINT OF DEMOLITION

MECHANICAL PIPING LEGEND

—○—	PIPE ELBOW TURNING UP
—○—	PIPE ELBOW TURNING DOWN
—○—	PIPE TEE CONNECTION ON TOP
—○—	PIPE TEE CONNECTION ON BOTTOM
—○—	PIPE CAP
—○—	PIPE PROTECTON PIPING
---(D)---	PIPING TO BE DEMOLISHED - (EX) DENOTES SYSTEM
---(E)---	EXISTING PIPING - (EX) DENOTES SYSTEM
---(A)---	REMOVED IN PLACE PIPING - (EX) DENOTES SYSTEM
— —	STRAINER
— —	MANUAL ISOLATION VALVE
— —	CLOSE VALVE
— —	ISOL (GATE) VALVE
— —	PRESSURE REDUCING VALVE (STEAM, GAS, WATER, ETC.)
— —	CHECK VALVE
— —	DOUBLE CHECK VALVE ASSEMBLY
— —	FLEXIBLE PIPE CONNECTION
— —	PIPING UNION
— —	FLOW SWITCH
— —	PRESSURE SWITCH
— —	TAMPER SWITCH
— —	PIES PLUG, TEMPERATURE/PRESSURE POINT
— —	SMOKE CELEST SPRINKLER HEAD WITH REMOVABLE PROTECTON PLATE
— —	LIGHTS TYPE SPRINKLER HEAD
— —	SIDE WALL TYPE SPRINKLER HEAD



NOT FOR CONSTRUCTION

Taylor Mill Elementary School
5907 Taylor Mill Rd.
Covington, KY 41015

NO.	DESCRIPTION	DATE
	Design Development	01/22/26

FIRE PROTECTION LEGEND

OKCS25-03

F001



Emboss Design.com 806 Monmouth Street
303.931.9817 Newport, KY 41051

NOT FOR CONSTRUCTION

Taylor Mill Elementary School
5907 Taylor Mill Rd.
Covington, KY 41015

NO DISCREPANCY DATE
Design Development 01/20/24
Construction Drawings 03/17/24

TECHNOLOGY LEGEND SCHEDULE & NOTES

OKCS25-03

T000

TECHNOLOGY LEGEND, SCHEDULE & NOTES

SYMBOL	DESCRIPTION	DEFAULT MOUNTING		CABLING TYPE/QUANTITY/NOTES		MISCELLANEOUS NOTES		
		ELEVATION	ROUTE TYPE/SIZE	TYPE	QUANTITY			
SYMBOL	DATA OUTLET, NUMBER INDICATES QUANTITY OF DATA JACKS AND CABLES. W+ = WALL MOUNTED, FLOOR MOUNTED, R = RECESSED INTO FLOOR, S = SURFACE MOUNTED.	18" AFF. UON	4"x4" BOB WITH 1/2" GANG DEVICES	1" CONDUIT TAAC	CAT 6	(1)*	*MINIMUM (1) DATA	PROVIDE (1) DEVICE GANG AND CONDUIT PATHWAY FOR EACH SET OF 4 CABLES
SYMBOL	DATA OUTLET WITH LOCAL INPUT, NUMBER INDICATES QUANTITY OF DATA JACKS AND CABLES. ROUTE THE OTHER CONDUIT TO THE LOCAL INPUT OUTLET IN THE SAME SPACE.	18" AFF. UON	4"x4" BOB WITH 1/2" GANG DEVICES	(2) 1" 1/2" CONDUIT TAAC	CAT 6	(1)*	*MINIMUM (1) DATA	
SYMBOL	DATA OUTLET WITH LOCAL INPUT, NUMBER INDICATES QUANTITY OF DATA JACKS AND CABLES. ROUTE THE OTHER CONDUIT TO THE LOCAL INPUT OUTLET IN THE SAME SPACE.	18" AFF. UON	4"x4" BOB WITH 1/2" GANG DEVICES	(2) 1" 1/2" CONDUIT TAAC	CAT 6	(1)*	*MINIMUM (1) DATA	
SYMBOL	VOICE OUTLET, NUMBER INDICATES QUANTITY OF VOICE JACKS AND CABLES. W+ = WALL MOUNTED, FLOOR MOUNTED, R = RECESSED INTO FLOOR, S = SURFACE MOUNTED.	18" AFF. UON	4"x4" BOB WITH 1/2" GANG DEVICES	1" CONDUIT TAAC	CAT 6	(1)*	*MINIMUM (1) VOICE	PROVIDE (1) DEVICE GANG AND CONDUIT PATHWAY FOR EACH SET OF 4 CABLES
SYMBOL	WHERE ACCESS POINT PROVIDE DATA OUTLET AT OR ABOVE CEILING MOUNTED AT AN ACCESSIBLE HEIGHT NOT MORE THAN 24" ABOVE CEILING. R = EXISTING DEVICE TO BE REMOVED, RE-CALLED, AND RE-INSTALLED.	ABOVE CEILING	4"x4" BOB WITH 1/2" GANG DEVICES	1" CONDUIT TAAC WHERE NOT INSTALLED, 1" ACCESSIBLE CEILING	CAT 6A	(1)		PROVIDE A SERVICE LOOP FOR ADJUSTMENT OF TRAIL PLACEMENT COORDINATE LOCATIONS WITH OWNER
SYMBOL	FLOOR DATA OUTLET, NUMBER INDICATES QUANTITY OF DATA JACKS AND CABLES. COORDINATE WITH DIVISION 26 CONNECTION.	FLOOR	1 GANG	1" CONDUIT TAAC OF INSTALLED FLOOR	CAT 6	(1)*	*MINIMUM (1) DATA	PROVIDE (1) DEVICE GANG AND CONDUIT PATHWAY FOR EACH SET OF 4 CABLES
SYMBOL	EQUIPMENT ROOM HAND DISTRIBUTION FRAME - REFERENCE DATA SYSTEM SCHEDULES AND DETAILS 9 ON ADDITIONAL REQUIREMENTS	N/A	N/A	N/A	*	*	*BACKSPLASH CABLING DETAILS	PROVIDE FIRE RATED PARTIALLY 3/4" x 8" # 8 PLYWOOD BACKSPLASH SHEETS ON WALLS SURROUNDING THESE SPACES
SYMBOL	TELECOMMUNICATIONS ROOM INTERMEDIATE DISTRIBUTION FRAME - REFERENCE DATA SYSTEM SCHEDULES AND DETAILS 9 ON ADDITIONAL REQUIREMENTS	N/A	N/A	N/A	*	*	*BACKSPLASH CABLING DETAILS	PROVIDE FIRE RATED PARTIALLY 3/4" x 8" # 8 PLYWOOD BACKSPLASH SHEETS ON WALLS SURROUNDING THESE SPACES
SYMBOL	COMMUNICATIONS UTILITY ENTRANCE FACILITY - WITH REFERENCE DATA SYSTEM SCHEDULES AND DETAILS 9 ON ADDITIONAL REQUIREMENTS	N/A	N/A	N/A	*	*	*BACKSPLASH CABLING DETAILS	PROVIDE (1) FIRE RATED PARTIALLY 3/4" x 8" # 8 PLYWOOD BACKSPLASH SHEET FOR WALL DEVICE IS AT THIS LOCATION
SYMBOL	TELECOMMUNICATIONS RACK, SIZE AS NOTED, PROVIDE AT LOCATIONS SHOWN. PROVIDE CABLE WARE PATHS WHERE CABLES EXIT CABLE RACKS TO ENTER EQUIPMENT RACKS.	96"	N/A	N/A	*	*		
SYMBOL	LOW VOLTAGE CONDUIT PATHWAY RISERS, SIZE AS NOTED, PROVIDE AT LOCATIONS SHOWN TO PROVIDE WARE PATHS WHERE MULTIPLE CABLES EXIT A CONDUIT IN A DOWNWARD DIRECTION.	N/A	N/A	N/A	*	*		
SYMBOL	CEILING MOUNTED SPEAKER, SEE DETAILS AND DIAGRAMS FOR ADDITIONAL INFORMATION, SUBSIDIARY V+ INTEGRAL VOICABLE CONTROL	CEILING	N/A	3/4" CONDUIT ABOVE NONACCESSIBLE CEILING		(1)*	*SEE DETAILS	
SYMBOL	LOCAL SOUND SYSTEM CEILING MOUNTED SPEAKER, SEE DETAILS AND DIAGRAMS FOR ADDITIONAL INFORMATION, SUBSIDIARY V+ SPEAKER ZONE IDENTIFICATION	CEILING	N/A	3/4" CONDUIT ABOVE NONACCESSIBLE CEILING		(1)*	*SEE DETAILS	
SYMBOL	SURFACE MOUNTED SPEAKER, SEE DETAILS AND DIAGRAMS FOR ADDITIONAL INFORMATION, SUBSIDIARY V+ EXISTING DEVICE TO BE REMOVED, RE-CALLED, AND RE-INSTALLED.	90" AFF.	4"x4" BOB WITH 1/2" GANG DEVICES	3/4" CONDUIT TAAC		(1)*	*SEE DETAILS	
SYMBOL	SURFACE MOUNTED HORN SPEAKER, SEE DETAILS AND DIAGRAMS FOR ADDITIONAL INFORMATION, SUBSIDIARY V+ EXISTING DEVICE TO BE REMOVED, RE-CALLED, AND RE-INSTALLED.	90" AFF.	4"x4" BOB WITH 1/2" GANG DEVICES	3/4" CONDUIT TAAC		(1)*	*SEE DETAILS	
SYMBOL	WALL MOUNTED SPEAKER, SEE DETAILS AND DIAGRAMS FOR ADDITIONAL INFORMATION, SUBSIDIARY V+ EXISTING DEVICE TO BE REMOVED, RE-CALLED, AND RE-INSTALLED.	48" AFF.	4"x4" BOB WITH 1/2" GANG DEVICES	3/4" CONDUIT TAAC		(1)*	*SEE DETAILS	
SYMBOL	INTERCOMMUNICATION SYSTEM CALL INITIATION STATION, SEE DETAILS AND DIAGRAMS FOR ADDITIONAL INFORMATION.	48" AFF.	4"x4" BOB WITH 1/2" GANG DEVICES	3/4" CONDUIT TAAC		(1)*	*SEE DETAILS	
SYMBOL	WALL MICROPHONE OUTLET, SEE DETAILS AND DIAGRAMS FOR ADDITIONAL INFORMATION.	18" AFF.	4"x4" BOB WITH 1/2" GANG DEVICES	3/4" CONDUIT TAAC		*	*SEE DETAILS	
SYMBOL	AUDIO CONNECTION OUTLET, SEE DETAILS AND DIAGRAMS FOR ADDITIONAL INFORMATION.	18" AFF.	4"x4" BOB WITH 1/2" GANG DEVICES	3/4" CONDUIT TAAC		*	*SEE DETAILS	
SYMBOL	AUDIO AND VIDEO CONNECTION OUTLET, SEE DETAILS AND DIAGRAMS FOR ADDITIONAL INFORMATION, PROVIDE A QUANTITY OF ADDITIONAL REQUIRED DATA OUTLETS.	18" AFF.	4"x4" BOB WITH 1/2" GANG DEVICES	(2) 1" 1/2" CONDUIT TAAC	CAT 6A	*	*SEE DETAILS FOR QTY'S	
SYMBOL	FLAT PANEL DISPLAY OUTLET (FLAT PANEL, OFF), SEE DETAILS AND DIAGRAMS FOR ADDITIONAL INFORMATION, SUBSIDIARY V+ EXISTING DEVICE TO BE REMOVED, RE-CALLED, AND RE-INSTALLED.	60" AFF.	4"x4" BOB WITH 1/2" GANG DEVICES	(2) 1" 1/2" CONDUIT TAAC	CAT 6	(1)		
SYMBOL	WIRELESS SYNCHRONOUS ANALOG WALL CLOCK, OR DUAL FACE CLOCKS WITH MOUNTING ADAPTERS, R = EXISTING DEVICE TO BE REMOVED, RE-CALLED, AND RE-INSTALLED.	LOWER OF 12" OR 18" AFF.	4"x4" BOB WITH 1/2" GANG DEVICES	N/A				
SYMBOL	SYNCHRONOUS CLOCK HEAD/NO CONTROLLER	EQUIPMENT RACK	N/A	N/A	CAT 6	(1)		
SYMBOL	CARD PROXIMITY WITH INTERCOM HEARER, M+ = MOUNTED ON HORN, COORDINATE WITH DOOR HARDWARE, REMOVE (R) = EXISTING DEVICE TO BE REMOVED, RE-CALLED, AND RE-INSTALLED.	48" AFF.	4"x4" BOB WITH 1/2" GANG DEVICES	3/4" CONDUIT TAAC		(1)		IF INTEGRAL TO DOOR HARDWARE, PROVIDE INTERCONNECTION TO DEVICE
SYMBOL	DOOR POSITION SWITCH, DOUBLE POLE, DOUBLE THROW (DPST), PHASED DUAL SWITCHES ON DOUBLE LEAF DOORS, R = EXISTING DEVICE TO BE REMOVED, RE-CALLED, AND RE-INSTALLED.	TOP OF DOOR FRAME	N/A	3/4" CONDUIT TAAC		(2)		IF INTEGRAL TO DOOR HARDWARE, PROVIDE INTERCONNECTION TO DEVICE
SYMBOL	ELECTRIC HANDWARE, MORTISE LOCK, CYLINDRICAL LOCK, PANIC HANDWARE, MAGNETIC LOCK, PANIC DEVICE, ETC. TYPE, R = EXISTING DEVICE TO BE REMOVED, RE-CALLED, AND RE-INSTALLED.	HEDGE SIDE OF DOOR FRAME	N/A	3/4" CONDUIT TAAC		(1)		
SYMBOL	ELECTRIC STRIKE TYPE DEVICE, COORDINATE WITH DOOR HARDWARE SCHEDULE, R = EXISTING DEVICE TO BE REMOVED, RE-CALLED, AND RE-INSTALLED.	STRIKE SIDE OF DOOR FRAME	N/A	3/4" CONDUIT TAAC		(2)		
SYMBOL	REQUEST TO EXIT DEVICE, MOTION SENSING OR TYPE OR INTEGRATED WITH EXIT DEVICE HARDWARE, R = EXISTING DEVICE TO BE REMOVED, RE-CALLED, AND RE-INSTALLED.	CENTERED ABOVE DOOR	4"x4" BOB WITH 1/2" GANG DEVICES	3/4" CONDUIT TAAC		(1)		IF INTEGRAL TO DOOR HARDWARE, PROVIDE INTERCONNECTION TO DEVICE
SYMBOL	SECURE DOOR LOCKER, SHALL INCLUDE THE DEVICE, MOUNTING, AND CABLES. REQUIREMENTS OF DOOR POSITION SWITCH, ELECTRIC STRIKE, ETC. IDENTIFIED HARDWARE, R = EXISTING DEVICE TO BE REMOVED, RE-CALLED, AND RE-INSTALLED.	SEE ABOVE	SEE ABOVE	SEE ABOVE				IF INTEGRAL TO DOOR HARDWARE, PROVIDE INTERCONNECTION TO DEVICE
SYMBOL	DOOR RELEASE PUSH-BUTTON, R = EXISTING DEVICE TO BE REMOVED, RE-CALLED, AND RE-INSTALLED.	UNDER DISK	4"x4" BOB WITH 1/2" GANG DEVICES	3/4" CONDUIT TAAC		(1)		
SYMBOL	LOCAL ANNUNCIATION ALARM / SOUNDER	CEILING / WALL	4"x4" BOB WITH 1/2" GANG DEVICES	3/4" CONDUIT TAAC		(1)		
SYMBOL	DURRESS ALARM BUTTON / SWITCH	UNDER DISK	4"x4" BOB WITH 1/2" GANG DEVICES	3/4" CONDUIT TAAC		(1)		PROVIDE BLANK PLATE WITH GROMMETTED HOLE
SYMBOL	DOOR INTERCOM MASTER STATION, W+ = WALL MOUNTED, R = EXISTING DEVICE TO BE REMOVED, RE-CALLED, AND RE-INSTALLED.	DESK MOUNTED	4"x4" BOB WITH 1/2" GANG DEVICES	3/4" CONDUIT TAAC		(1)		
SYMBOL	AUDIBLE DIRECTED DOOR STATION, R = EXISTING DEVICE TO BE REMOVED, RE-CALLED, AND RE-INSTALLED.	48"	4"x4" BOB	3/4" CONDUIT TAAC		(1)		*COORDINATE BOSE REQUIREMENTS WITH SPEC C-6 DEVICE TO BE PROVIDED
SYMBOL	VIDEO SURVEILLANCE SECURITY CAMERA, CEILING MOUNTED, M+ = MOUNTING HORIZONTAL, D+ = DUAL VIEW HORIZONTAL, R = EXISTING DEVICE TO BE REMOVED, RE-CALLED, AND RE-INSTALLED.	CEILING	4"x4" BOB WITH 2" GANG DEVICES	3/4" CONDUIT TAAC		(1)		
SYMBOL	VIDEO SURVEILLANCE SECURITY CAMERA, WALL OR POLE MOUNTED, M+ = MOUNTING HORIZONTAL, D+ = DUAL VIEW HORIZONTAL, R = EXISTING DEVICE TO BE REMOVED, RE-CALLED, AND RE-INSTALLED.	120" AFF. ON A/F/C	4"x4" BOB WITH 2" GANG DEVICES	3/4" CONDUIT TAAC		(1)		
SYMBOL	ACCESS CONTROL PANEL LOCATION	SURFACE MOUNT	N/A	N/A		(1)		PROVIDE HARD PIPED POWER TO POWER SUPPLY
SYMBOL	VIDEO SURVEILLANCE SERVER LOCATION	EQUIPMENT RACK	N/A	N/A		(1)		

ABBREVIATIONS

OWNER FURNISHED CONTRACTOR INSTALLED	OFI
OWNER FURNISHED OWNER INSTALLED	OFO
CONTRACTOR FURNISHED CONTRACTOR INSTALLED	CFO
CONTRACTOR FURNISHED OWNER INSTALLED	CFO
ABOUT FINISHED FLOOR	AFI
ABOUT FINISHED GRADE	AFG
CEILING MOUNTED DEVICE	CEI
FLOOR MOUNTED DEVICE	FLO
COUNTERTOP HEIGHT	CH
TO ABOVE ACCESSIBLE CEILING	TABC
TO ABOVE ACCESSIBLE HALLWAY/CONDOOR CEILING	TABC
WING GUARD	WG
W/ATHR+PROP EQUIPMENT FURNISH DEVICE	W+P
CABLE WITH BEADED END FOR SHIELD	SH
TELECOMMUNICATIONS CEILING	TEC
FURNISHED AND INSTALLED BY OTHERS	FBO

CABLE AND CONDUIT COLOR SCHEDULE

SYSTEM DATA	CABLE COLOR	JACK INSERT
DATA	BLUE	BLUE
W/AF	GREEN	GREEN
SECURITY	PURPLE	PURPLE
SECURITY CAMERA	YELLOW	YELLOW
AUDIO VIDEO	ORANGE	ORANGE

LEGEND GENERAL NOTES:

- BASE SYMBOLS ARE USED TO REFERENCE THE FLOOR PLAN LOCATION AND PROPER ROUGHEN AND CABLING REQUIREMENTS
- DEVIATIONS FROM THE LEGEND ARE TYPICAL, AND SHALL BE CONSIDERED UNLESS OTHERWISE NOTED (NOTED) SIZE OR DIMENSIONS INDICATED ON THE FLOOR PLAN SHALL SUPERSEDE THE TYPICAL
- DEVIATIONS SHALL BE TO CENTER OR BOX/DEVICE JON

GENERAL REQUIREMENTS:

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE APPROPRIATE QUANTITIES, FIELD MEASUREMENTS, DIMENSIONAL STABILITY, INSTALLATION, AND CHANGE, AND COORDINATION WITH OTHER TRADES.
- THEY SHALL ADOPT THE PROVISIONS AND REQUIREMENTS OF THE CONTRACT DOCUMENTS AND ALL THE PROVISIONS OF THE CONTRACT DOCUMENTS AND ALL THE PROVISIONS OF THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL VERIFY THE DRAWINGS AND SPECIFICATIONS TO DETERMINE THE FULL SCOPE, INTENT AND REQUIREMENTS OF THE PROJECT. WORK TO BE DONE ON THE DRAWINGS BUT NOT INDICATED IN THE SPECIFICATIONS AND WORKSCHEDULES IN THE SPECIFICATIONS BUT NOT INDICATED ON THE DRAWINGS SHALL BE INTERPRETED AS THROUGH WORK UNLESS OTHERWISE NOTED PRIOR TO BID.
- THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS SHOWN ON THE DRAWINGS AND BE DESCRIBED IN THE SPECIFICATIONS, ANY DISCREPANCY DISCOVERED SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER PRIOR TO THE COMMENCEMENT OF ANY WORK AFFECTED BY SUCH DISCREPANCY. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH OR CAUSED BY THE FAILURE TO COMPLY WITH THIS REQUIREMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL EXISTING SAND FINISHES IN THE INTERIOR OR EXTERIOR OF THE FACILITY. DAMAGED SURFACES OR FINISHES RESULTING FROM THE PERFORMANCE OF THE WORK OR NEGLIGENCE SHALL BE REPAIRED AT NO COST TO THE OWNER AND BE MAINTAINED TO THE SATISFACTION OF THE OWNER.
- FOR MULTIPHASE PROJECTS, THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES SERVICES AND RECORDS SYSTEMS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE AS NECESSARY TO ALLOW FOR OPERATION ACCESSIBLE TO THE OWNER DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE TEMPORARY WORKING AS NECESSARY.
- PROVIDE BEST PROTECTION FOR ANY EXISTING EQUIPMENT AFFECTED BY THE CONTRACTOR'S WORK AND FOR ANY NEW WORK INSTALLED WHICH MAY BE AFFECTED BY CONSTRUCTION.

GENERAL ROUGH-IN AND CABLING PATHWAY REQUIREMENTS:

- PROVIDE PATHWAYS FOR ALL TELECOMMUNICATIONS, AUDIO/VIDEO, SAFETY AND SECURITY SYSTEMS CABLING. REFER TO SPECIFICATIONS FOR ADDITIONAL INSTRUCTIONS.
- ROUGHEN PATHWAYS SHALL BE INTERVIEWED AND COORDINATED PRIOR TO INSTALLATION.
- WHERE CONDUITS ARE SPREADER TAAC TO ABOVE ACCESSIBLE CEILING, CONDUITS SHALL BE RUN CONTINUOUS AND STURDIED OUT INTO AN ACCESSIBLE CEILING CAVITY WITHIN THE NEAREST CONDUIT FEATURING AN ACCESSIBLE CEILING CAVITY.
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