



Johansson Wing Architects

821 SE 14th Loop, Suite 109
PO Box 798
Battle Ground, WA 98604
Ph: 360-687-8379

ADDENDUM NO. 01

Project Name: LONGVIEW SCHOOL DISTRICT
MONTICELLO MS CEILING TI

Johansson Wing Project #: 23017
Date: JULY 14, 2023

NOTICE TO BIDDERS:

The amendments and additions provided for in this addendum shall become part of the Contract Documents for this Project. Bidder shall acknowledge receipt of this, and all other, Addendum in the space provided on the Bid Form.

GENERAL INFORMATION / CLARIFICATION:

Item #	Location/Section:	Description
1.01	Existing Ceiling Tiles	<i>Any Asbestos present, is there a hazardous materials report?</i> Response: LVSD to provide hazardous abatement documents.
1.02	Wiremold Replacement	<i>Does the wiremold need to be removed and relocated?</i> Response: The new suspended ACT provides access to the wiremold so it can stay as currently mounted. At new adhered acoustical panel ceiling the wiremold will have to be removed & relocated to new ceiling surface- refer to Electrical drawings.
1.03	Sprinkler heads	NFPA requires sprinkler protection at both the suspended ceiling plenum and at surface/ room side.
1.04	Water Pressure For Sprinkler system	With the addition of sprinkler heads, contractor to provide updated hydraulic calculations for sprinkler system. Supplemental documents- 2004 record sprinkler drawings are currently uploaded to LVSD website.
1.05	Completion date	Bid Form correction- Substantial completion to be Nov 1 st , 2023 (incorrectly dated Aug. 28 th 2023)
1.06	Building Permit Costs	<i>Cost of general Building permit?</i> Response: Building permit costs is based on project valuation as noted on Advertisement for bid form.
1.07	Background Checks	<i>Are background Checks Required?</i> Response: Refer to specifications General Conditions page 19

1.08	Covid-19 Protocols	<i>What are the Owners covid 19 safety protocols we are to comply with?</i> Response: Refer to specifications General Conditions page 24
1.09	Adjustment of Suspended ceiling height	<i>Will adjusting the ceiling height to 12" +/- in certain area's be acceptable in order to miss the fire suppression main line.</i> Response: This is acceptable if the drop to 12" from typical 8" does not affect window head heights or extend below existing soffit heights. Contractor to identify ceiling areas that will require additional depth.
1.10	Fire Sprinkler as-builts	<i>Are as builts for the fire suppression system available?</i> Response: Supplemental documents- 2004 record sprinkler drawings are currently uploaded to LVSD website.
1.11	Soffit Details	<i>Provide soffit details as described in the walk at the high ceiling for the second floor near stairs.</i> Response: updated sheets A232A & A501 will include the soffit location and details.
1.12	MEP specifications	<i>Are there specs for the fire suppression, louvers and Electrical?</i> Response: The Mechanical and Electrical drawings have project descriptions in the General Notes and Fire Sprinkler specific notes on the sheets.

DRAWINGS:

Item #:	Sheet/Detail:	Description:
1.13	A232A, A501	New gypsum board soffit added for transition at stair suspended ACT and adhered acoustical panel ceiling.
1.14	M0.0	Revised- Basic Fire Suppression specifications on sheet
1.15	E000	Revised "General Electrical Requirements"
1.16	ED231A, ED231B ED231C, ED232B ED232C	Revised Keynotes for wire mold and raceways

SPECIFICATIONS:

Item #	Section:	Description
1.17	Sample Agreement Between Owner and Contractor	REPLACE Sample Agreement Between Owner and Contractor with attached Longview School district No. 122 Public Works Contract. Substantial Completion date has been revised to January 2, 2024.

1.18 01 10 00 **REVISE** Section 01 10 00, 1.06, D, 2 to read: "Full workdays are allowed at the School until August 28, 2023. Workdays beyond this date to complete the Project to be swing shift hours, and the building will have to be left in such a way that school can continue during the day."

PRE-BID CONFERENCE SIGN-IN SHEET (See Attached List):

Attachments:

1. PRE-BID ATTENDANCE SHEET
2. SAMPLE AGREEMENT BETWEEN OWNER AND CONTRACTOR
3. MONTICELLO Architectural- 2nd Floor Ceiling Plan A232A
4. MONTICELLO Architectural- Detail Sheet A501
5. MONTICELLO Mechanical- Title Sheet M0.0
6. MONTICELLO Electrical- Title Sheet E000
7. MONTICELLO Electrical-Demo Sheets ED231A, ED231B, ED231C, ED232B, ED232C

END OF ADDENDUM NO. 01



**PRE-BID CONFERENCE
ATTENDEE SIGN-IN SHEET**

July 7th, at the Monticello Middle School
271 Lilac Street, 1225 28th Avenue, Longview, WA, 98632
10:00 am Mandatory Bidder Walk

Name	Company	Email	Phone
Toni Holliday	Const. Serv. Corp	tonih.csq@gmail	360-839-6353
Joe Brown	Five Rivers Const.	j.brown@fiverivers construction.com	360-423-1991 360-414-8084
Kurt Meyer	Pacific Tech Const.	estimating@pactechgroup.com	

Please write legibly – Thank you!

7/10/23

Monticello Middle School Ceiling Repairs Pre-Bid Conference Sign In Sheet

<u>Firm Name</u>	<u>Contact</u>	<u>Phone #</u>	<u>Email</u>
JH Kelly	Josh Bernard	360-355-2877	Jbernard@jh
JH Kelly	Josh Mantzell	360-907-6069	Jmantzell@jhkelly
Knight Fire Protection	marco Verhaaren	(360) 786-8006	marco@knightfire.net

LONGVIEW SCHOOL DISTRICT NO. 122 PUBLIC WORKS CONTRACT

Project Name: Monticello Middle School Tenant Improvement

Project Number: 23017

Project Description: The Project consists of the removal of the existing glue adhered ceiling tiles and installation of new suspended acoustical ceilings, and new acoustical panel ceilings at the existing first floor hallways, second floor hallways and stairwells. The existing Mechanical, Electrical, and Plumbing systems, fire sprinklers, fire alarm, intercom/paging, and other existing low-voltage systems are to remain with minimal to no modification. Revision of supply air distribution system and diffuser/register/grille locations for new layout. New interior lighting, in impacted areas is Owner-Furnished, Contractor Installed.

Project Location: Monticello Middle School and Annex, 2715 Lilac St, 1225 28th Ave, Longview, WA 98632

THIS PUBLIC WORKS CONTRACT (“Contract”) is made and entered into by and between the Longview School District No. 122, a Washington quasi-municipal corporation (“Owner”), and CONTRACTOR NAME, a ENTITY DESCRIPTION (“Contractor”). Contractor and Owner may hereinafter be referred to as “Parties.”

- A. Effective Date: This Contract shall be effective on the last date set forth on the signature page (“Effective Date”).
- B. Contract Work: This Contract shall be the agreed basis of performing the Work identified and defined in the Contract Documents. The Contractor agrees to furnish all material, labor, tools, equipment, apparatus, facilities, etc. necessary to perform and complete in a workmanship like manner the Work called for in the Contract Documents for the Project noted above, according to the terms of this Contract and the Contract Documents, which documents are incorporated herein by reference, as if set forth herein in full.
- C. Enumeration of Contract Documents: The Contract Documents include the Advertisement for Bids, Instructions for Bidders, completed Bid Form, Payment and Performance Bonds, General Conditions, Supplemental Conditions to the General Conditions, other Special Forms, this Public Works Contract, and Addenda:
- D. Time for Completion: The Work to be performed under this Contract shall commence as soon as the Contractor has been officially notified to proceed and shall be substantially complete **January 2, 2024**.
- E. Liquidated Damages: The Contractor further agrees that, from the compensation otherwise to be paid, the Owner may retain the sum of \$250 for each calendar day thereafter that the Work remains uncompleted, which sum is agreed upon as the liquidated damages, and the Parties agree this sum is not to be construed as in any sense a penalty.

F. Apprenticeship Utilization: The Contractor acknowledges that apprenticeship utilization goals should be met, and that the Owner has determined monetary incentives for meeting the goals, and monetary penalties for not meeting the goals. The Contractor further agrees that, from the compensation otherwise to be paid, the Owner may retain the sum of \$0 as a monetary penalty for not meeting the apprenticeship utilization goals. The Contractor further agrees, that in addition to the compensation otherwise to be paid, the Owner will pay by issuance of a Change Order \$0 as an incentive for meeting the apprenticeship utilization goals.

G. Contract Award Amount: Owner hereby agrees to pay the Contractor the Contract Award Amount indicated below, not including State Sales Tax, as consideration for the agreements set forth above, including but not limited to, Contractor's completion of all Work, in strict accord with the Contract Documents, as follows:

Base Bid:

Alternates Awarded:

Alternate Bid No. ____

Alternate Bid No. ____

CONTRACT AWARD AMOUNT:

H. Project Representatives: The parties designated the following persons to administer this Contract and receive notices pursuant to the Contract Documents.

1. The Owner's designated representative is as follows:

Patti Bowen

Director of Business Services

Longview School District

2715 Lilac St

Longview, WA 98632

pbowen@longview.k12.wa.us

360-575-7020

2. The Contractor's designated representative is as follows: NAME, TITLE, ADDRESS, EMAIL.

I. Governing Law: This Contract shall be construed and governed by the laws and statutes of the State of Washington.

IN WITNESS WHEREOF, the Parties hereto have executed this Contract by having their authorized representatives affix their signatures below.

OWNER:
Longview School District No. 122

CONTRACTOR:
CONTRACTOR NAME

By: _____
Signature Date

By: _____
Signature Date

Name: _____

Name: _____

Title: _____

Title: _____

Washington Contractor's Registration No.:

Contractor's Federal Tax ID No.:

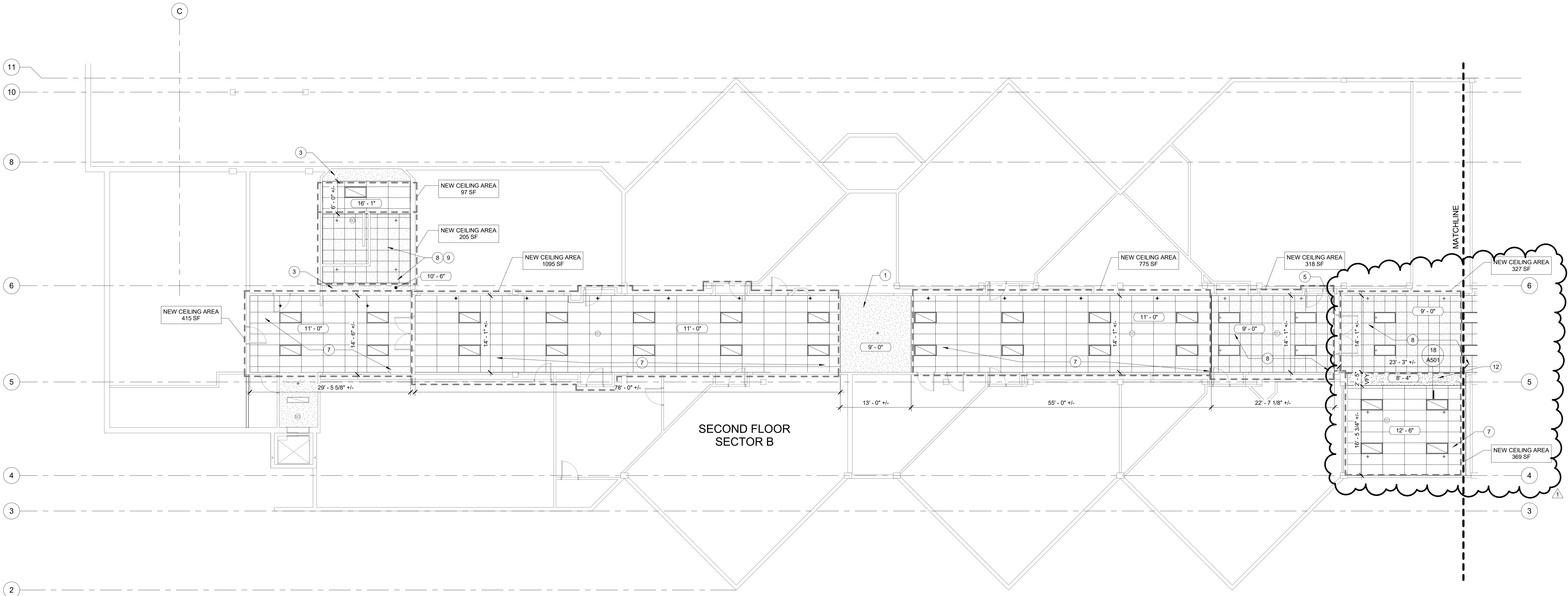
SECOND FLOOR
CEILING PLANS

PROJECT # 23017
DATE 06/22/2023

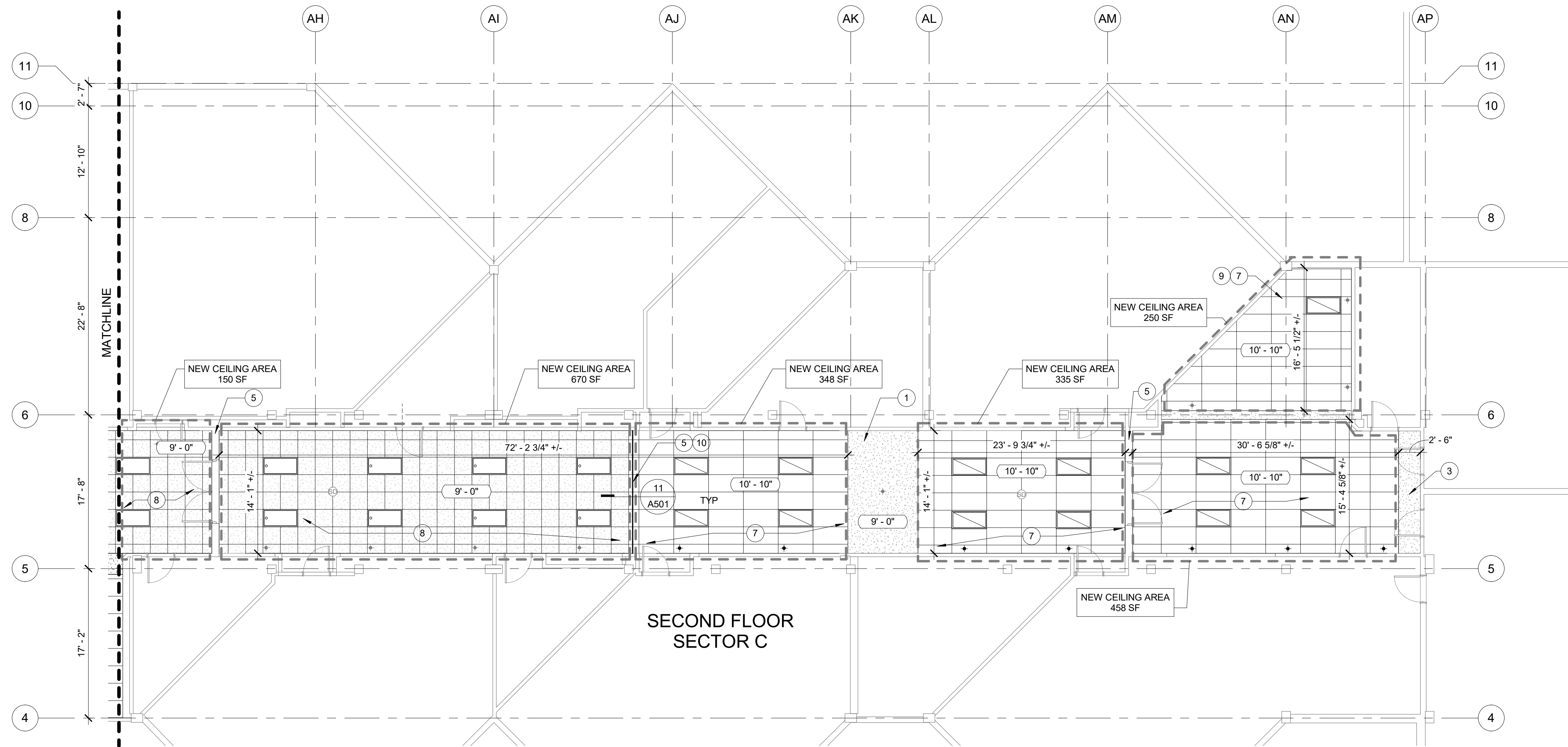
REV #	DATE	DESCRIPTION
1	07/10/23	ADDEN-01

A232A

PERMIT DRAWINGS



1 SECOND FLOOR CEILING PLAN - SECTOR B
1/8" = 1'-0"



2 SECOND FLOOR CEILING PLAN - SECTOR C
1/8" = 1'-0"

CEILING SYMBOL LEGEND:

- EXIT LIGHT
- CEILING MOUNTED SPEAKER
- SPRINKLER HEAD
- SMOKE DETECTOR
- 2'-0" x 2'-0" RETURN AIR DIFFUSER
- SURFACE MOUNTED LIGHT FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- NEW LAY-IN LIGHT FIXTURE
- NEW SURFACE MOUNTED LED FIXTURE

CEILING LEGEND:

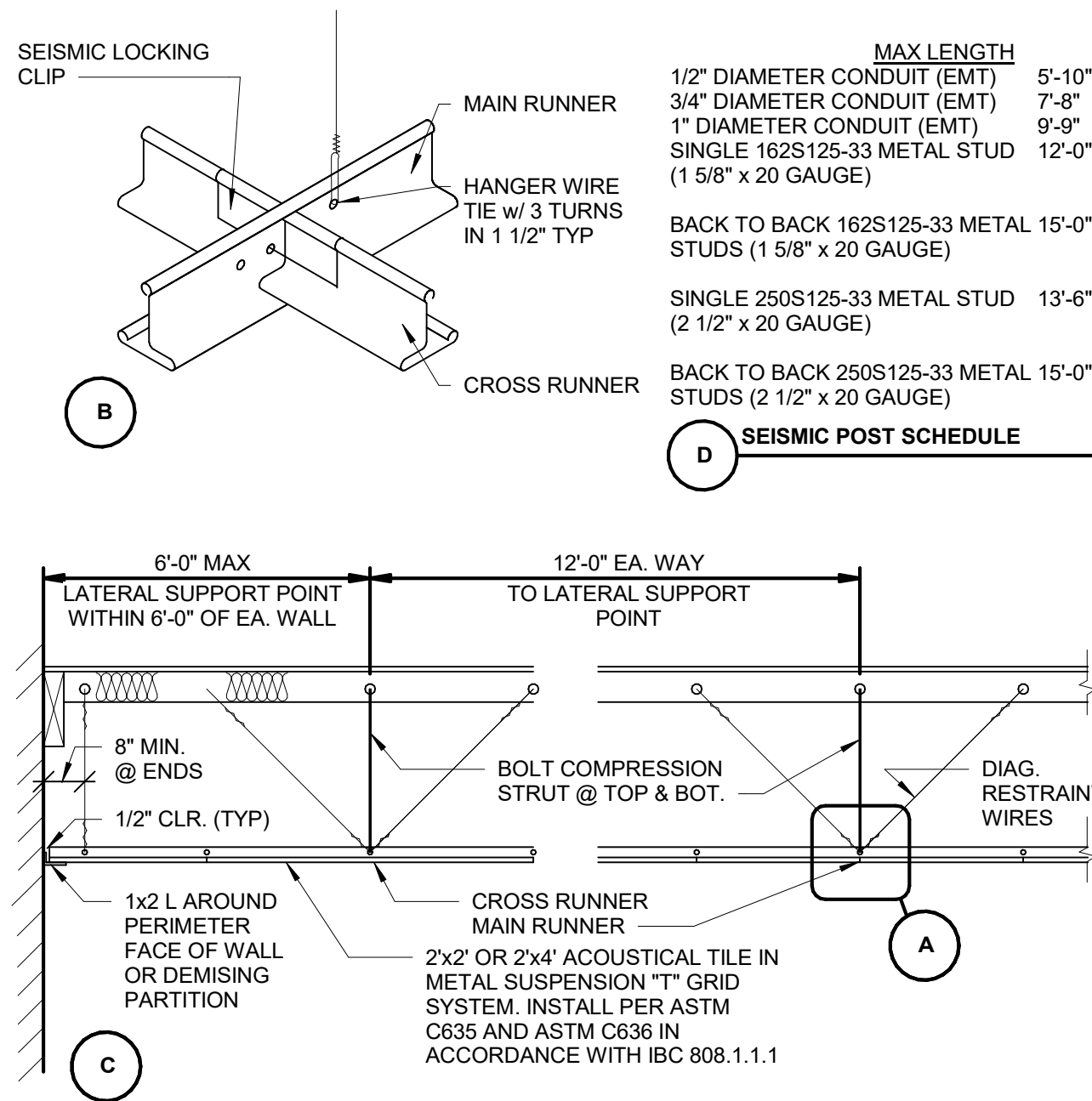
- EXISTING GYPSUM BOARD CEILING / SOFFIT
- NEW 2'x2' ADHERED ACOUSTICAL PANELS
- EXISTING SUSPENDED ACOUSTICAL CEILING
- NEW 2'x4' SUSPENDED ACOUSTICAL CEILING
- OUTLINE OF NEW CEILING CONSTRUCTION (CONTRACTOR TO VERIFY SQUARE FOOTAGE LISTED SQUARE FOOTAGES ARE APPROXIMATES)

KEYNOTES:

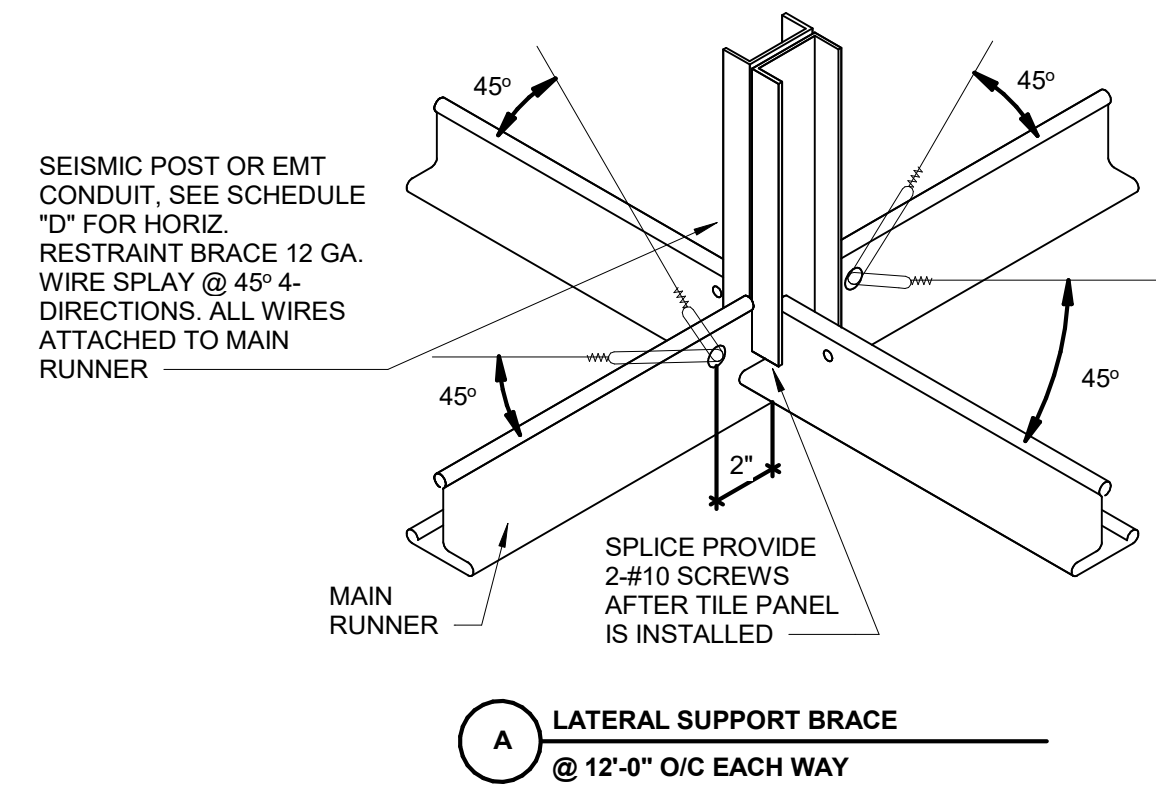
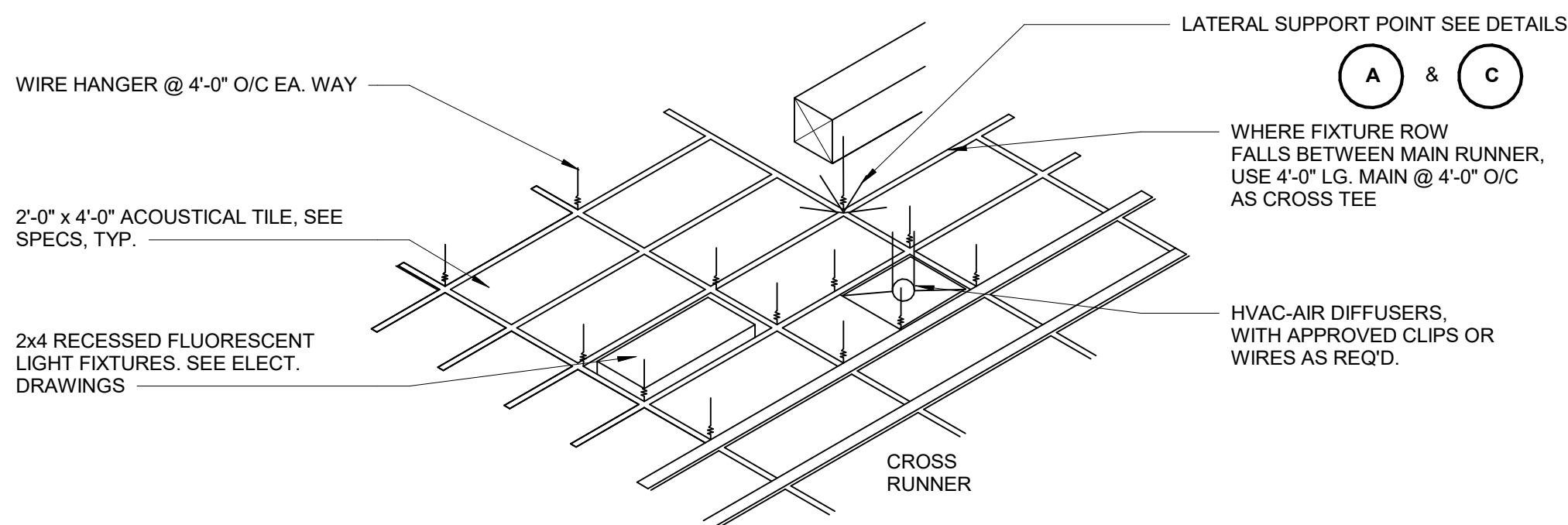
- NOTE: SOME KEYNOTES ARE LISTED ON CEILING PLAN SHEETS. NOT ALL KEYNOTES USED ON EACH PLAN
- EXISTING GYPSUM BOARD CEILING TO REMAIN
 - EXISTING ACOUSTICAL CEILING TO REMAIN
 - EXISTING GYPSUM BOARD SOFFIT TO REMAIN
 - NEW GYPSUM BOARD SOFFIT TO CONCEAL EXISTING HORIZONTAL PIPE STACK
 - EXISTING TRANSITION EDGE / CONCRETE HEADER
 - NEW SUSPENDED ACOUSTICAL CEILING, ANCHORED TO EXISTING CONCRETE L.I.D. CEILING HEIGHT TO MATCH EXISTING SOFFIT HEIGHT
 - NEW SUSPENDED ACOUSTICAL CEILING, ANCHORED TO EXISTING CONCRETE L.I.D. CEILING HEIGHT AS NOTED.
 - NEW 2'x2' ACOUSTICAL PANEL BOARDS ADHERED TO EXISTING CONCRETE DECK/ SUBSTRATE
 - CEILING HEIGHT VARIES AT STAIRS / VESTIBULE
 - EXISTING GYPSUM BOARD SURFACE/ TRANSITION
 - NEW 2'x2' ACOUSTICAL PANEL BOARDS ADHERED TO EXISTING CONCRETE DECK/ SUBSTRATE AT UPPER LOBBY CEILING
 - NEW GYPSUM BOARD SOFFIT

REFLECTED CEILING PLAN NOTES:

- CONTRACTOR TO VERIFY IF NEW CEILING HEIGHTS CONFLICTS WITH EXISTING WINDOWS
- CENTER SUSPENDED ACOUSTICAL TILE GRID IN HALLWAYS UNO.
- CENTER ALL MECHANICAL SPRINKLER, AND ELECTRICAL ITEMS IN CEILING TILES
- CEILING HEIGHTS ARE APPROXIMATE HEIGHTS FROM FINISH FLOOR. CEILING HEIGHTS TO BE VERIFIED.
- HALLWAY DIMENSIONS ARE TO BE VERIFIED.
- EXISTING MECHANICAL SPRINKLER HEADS TO REMAIN
- EXISTING SOFFITS AND SOFFIT TRIM TO RECEIVE TOUCH UP PAINT AS REQUIRED. MATCH EXISTING PAINT

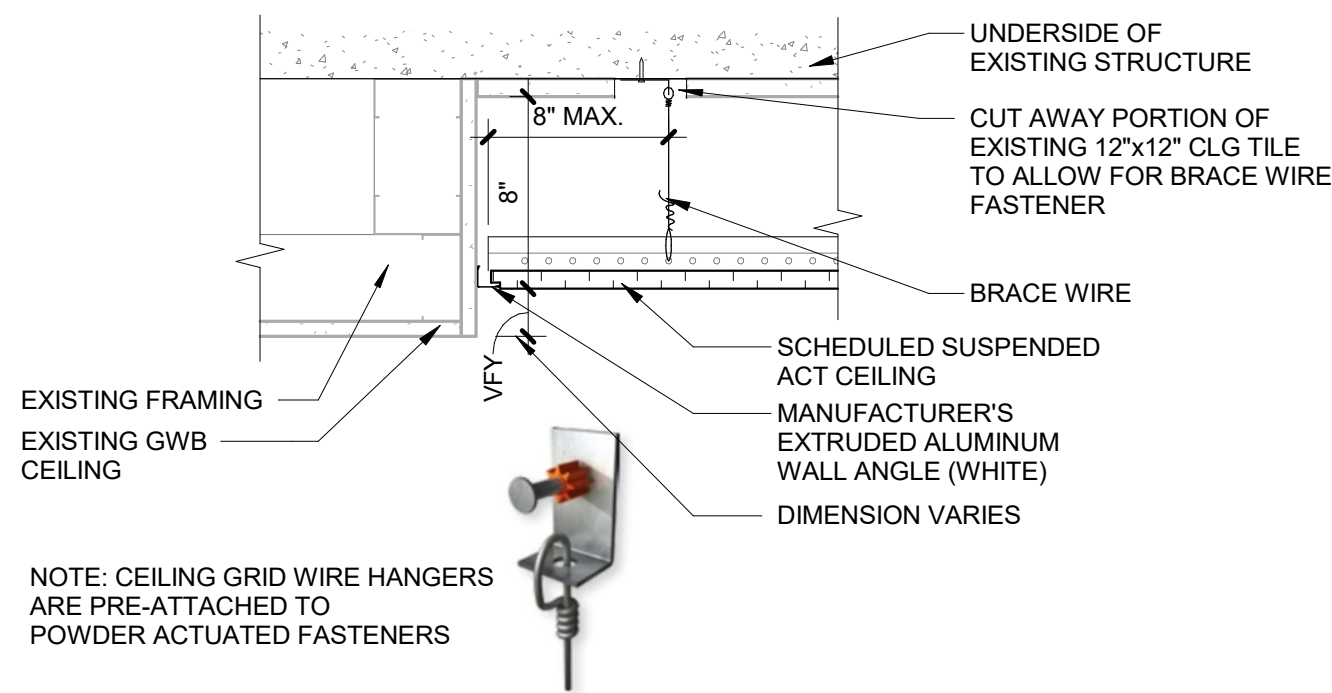


- CEILING NOTES**
1. ALL HANGER WIRE SHALL BE 312 GALV. WIRE OR CODE APPROVED EQUAL.
 2. ALL HANGERS AND RUNNERS SHALL BE ACCURATELY LEVELED AND SPACED IN ACCORDANCE WITH MANUF. SPECS.
 3. ALL INTERSECTIONS AND CONNECTION ACCESSORIES THROUGHOUT SHALL BE CAPABLE OF WITHSTANDING DESIGN LOADS REQUIRED BY LOCAL CODES.
 4. AT LIGHT FIXTURES PROVIDE #12 GALV. WIRE AT DIAGONAL OPPOSED.
 5. SEE ELECTRICAL DRAWINGS AND REFLECTED CEILING PLANS FOR LOCATIONS AND DIRECTIONS OF LIGHT FIXTURES.
 6. CEILING PENETRATIONS: SPRINKLER HEADS OR OTHER SIMILAR CEILING PENETRATIONS SHALL BE PROVIDED WITH AT LEAST ONE INCH CLEARANCE IN ALL DIRECTIONS SURROUNDING THE SPRINKLER HEAD EXTENSION.
 7. INSTALLATION TO RESIST SEISMIC FORCES SHALL BE MADE IN ACCORDANCE WITH ASTM E580.
 8. THE WIDTH OF PERIMETER SUPPORTING ANGLE SHALL NOT BE LESS THAN 2". WHERE PERIMETER SUPPORTING CLIPS ARE USED, THEY SHALL BE QUALIFIED IN ACCORDANCE WITH APPROVED TEST CRITERIA. IN EACH ORTHOGONAL DIRECTION, ONE END OF THE CEILING GRID SHALL BE ATTACHED TO THE CLOSURE ANGLE. THE OTHER END IN EACH HORIZONTAL DIRECTION SHALL HAVE 3/4" CLEARANCE FROM THE WALL AND SHALL REST UPON AND BE FREE TO SLIDE ON CLOSURE ANGLE.



1 TYPICAL SUSPENDED ACOUSTICAL & T-BAR CEILING SYSTEM

1/4" = 1'-0"

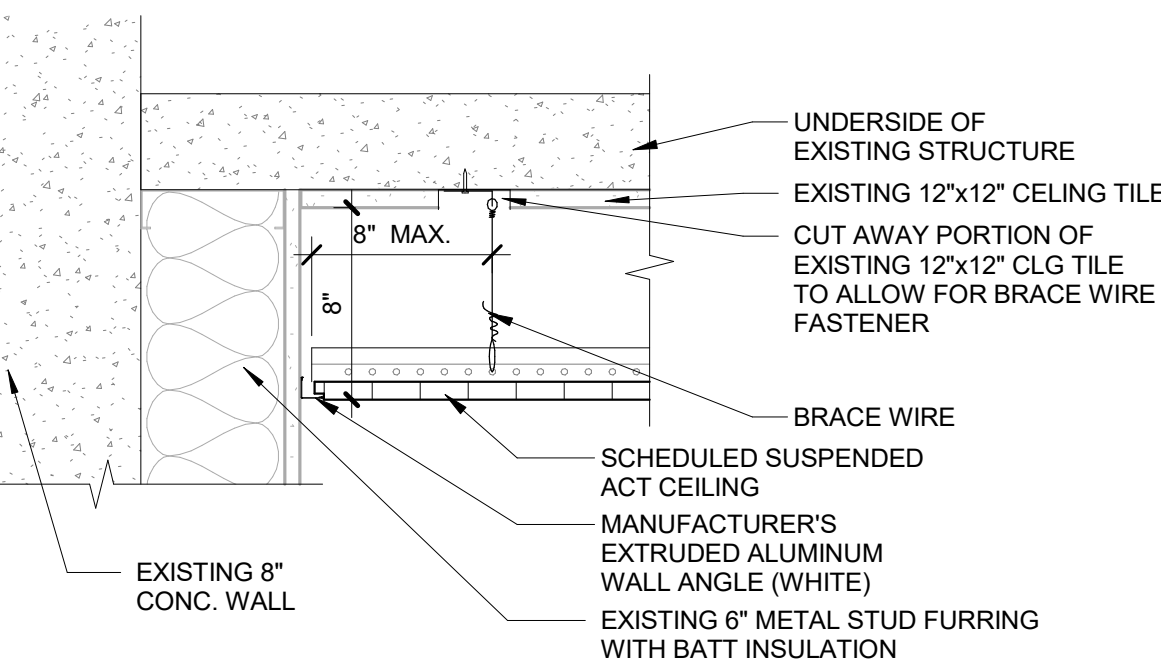


6 SUSPENDED ACT TO EXISTING GWB CEILING

1 1/2" = 1'-0"

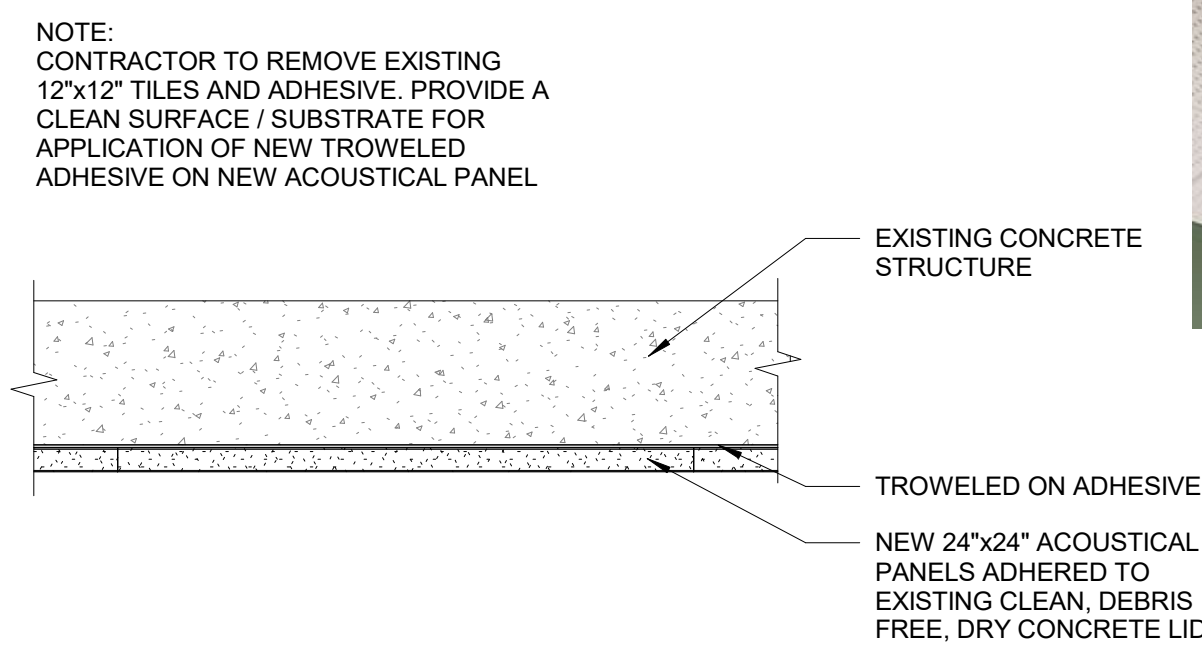
7 SUSPENDED ACT TO EXISTING GWB CEILING

1 1/2" = 1'-0"



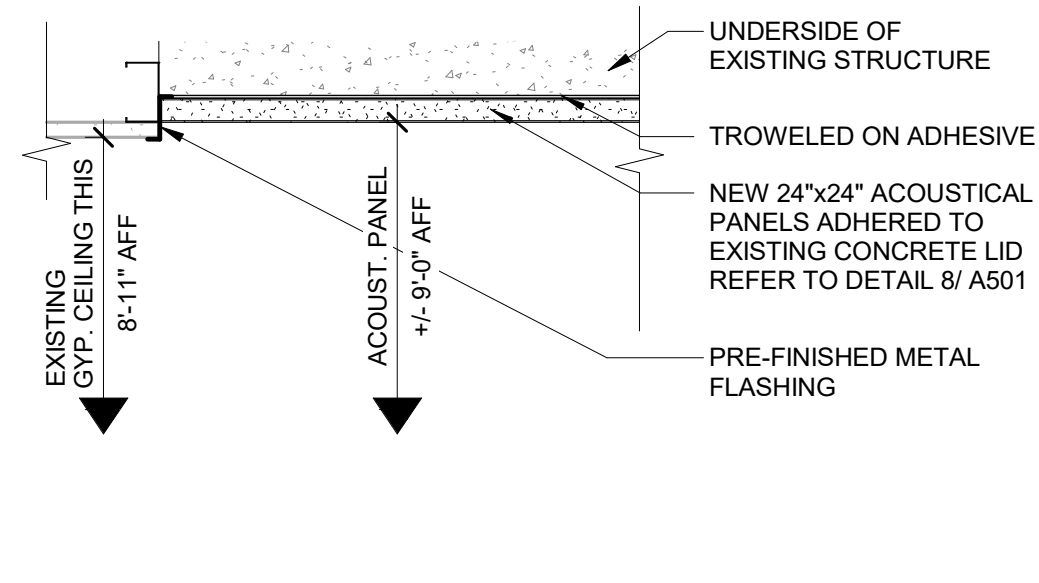
12 SUSPENDED ACT TO EXTERIOR WALL

1 1/2" = 1'-0"



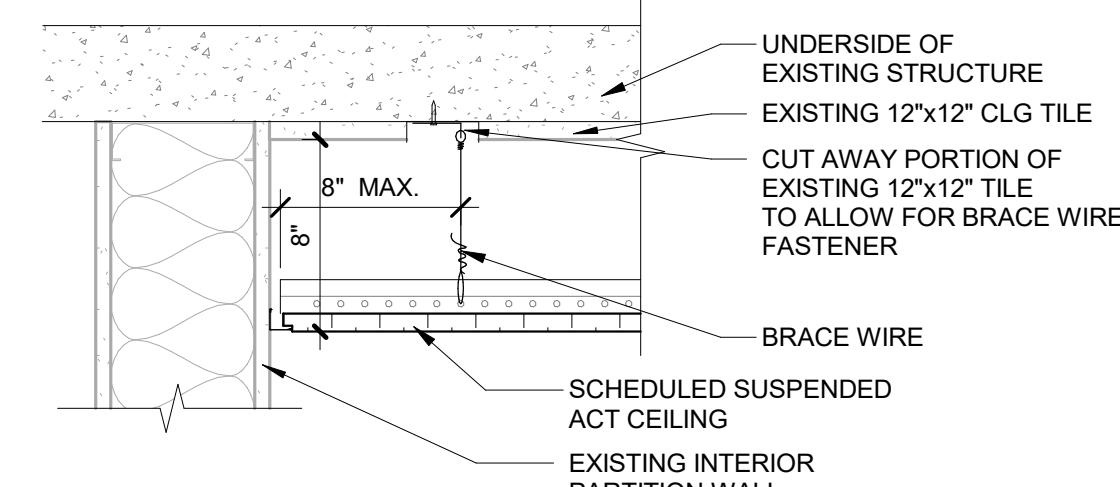
8 NEW ACOUSTICAL PANEL CEILING

1 1/2" = 1'-0"



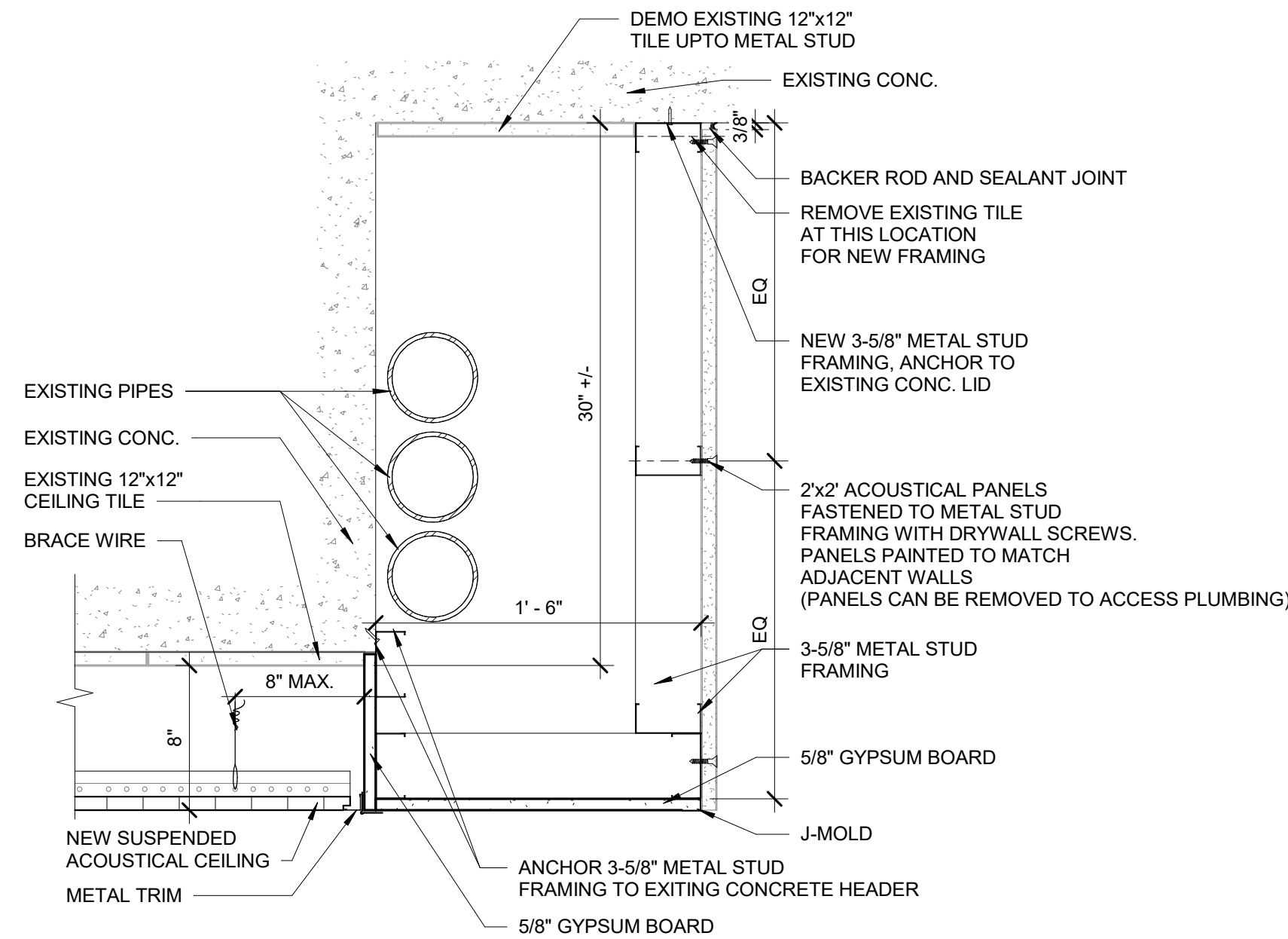
13 SUSPENDED ACT TO GWB SOFFIT

1 1/2" = 1'-0"



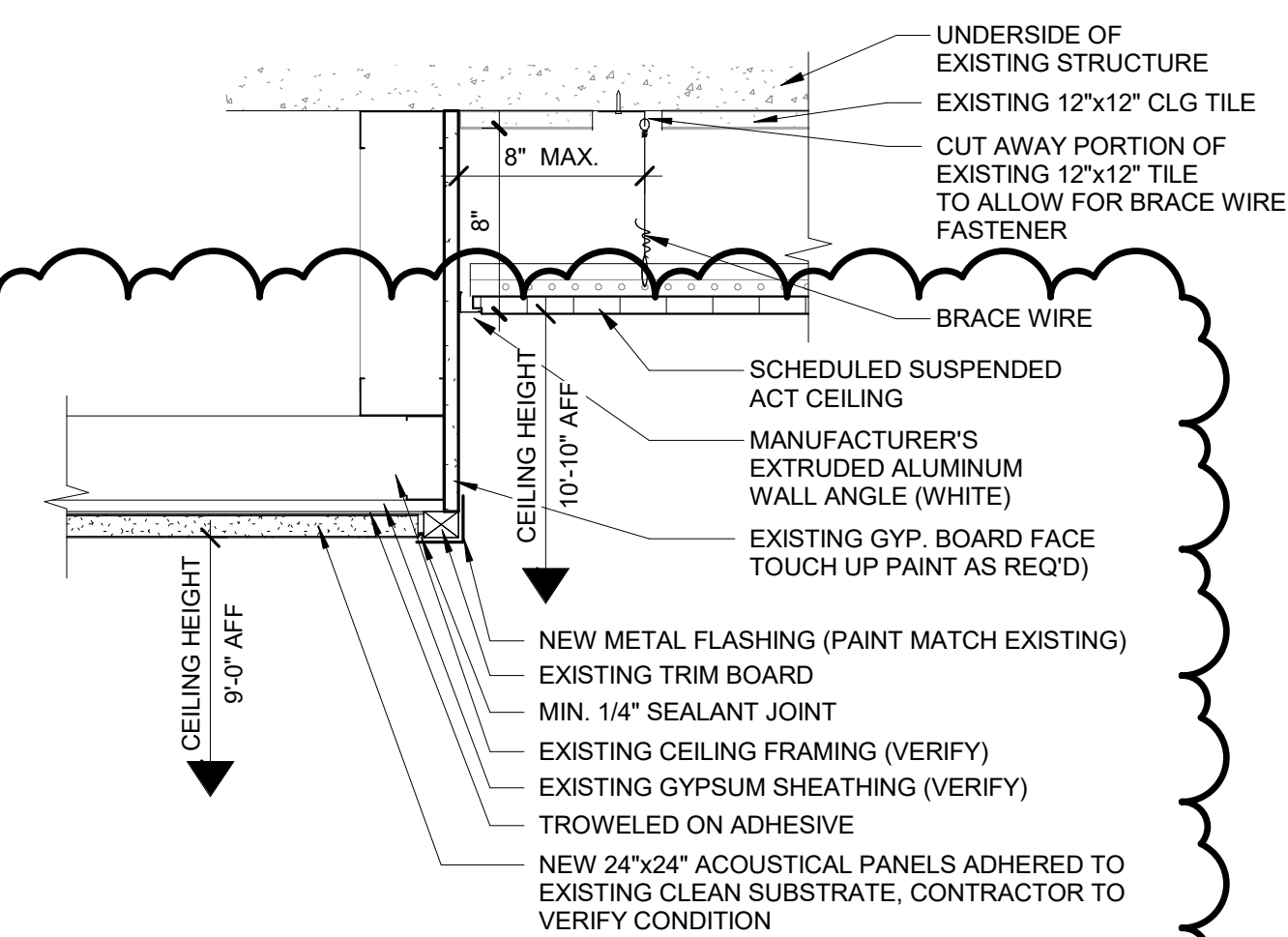
14 SUSPENDED ACT TO INTERIOR WALL

1 1/2" = 1'-0"



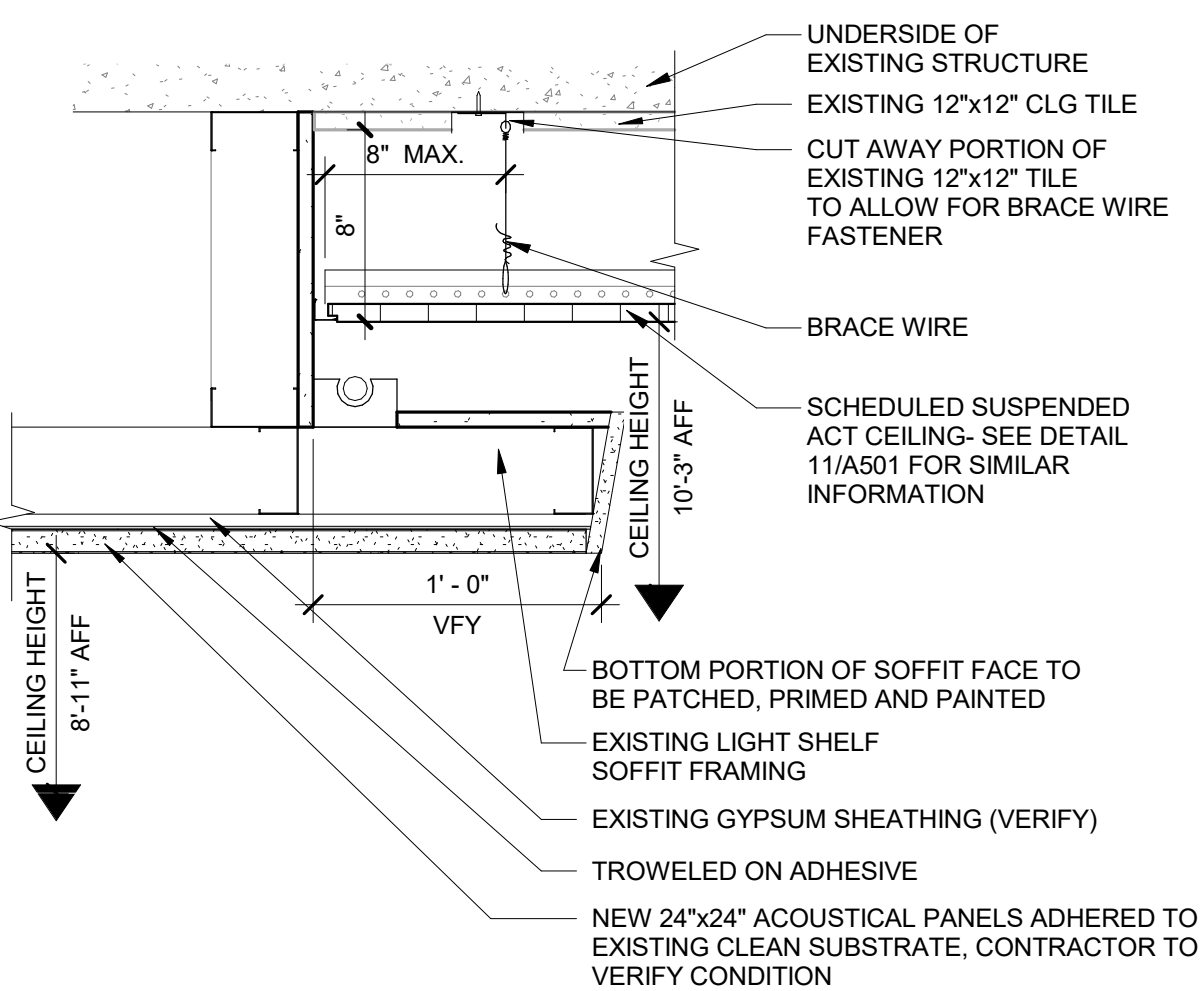
10 HEADER TRANSITION

1 1/2" = 1'-0"



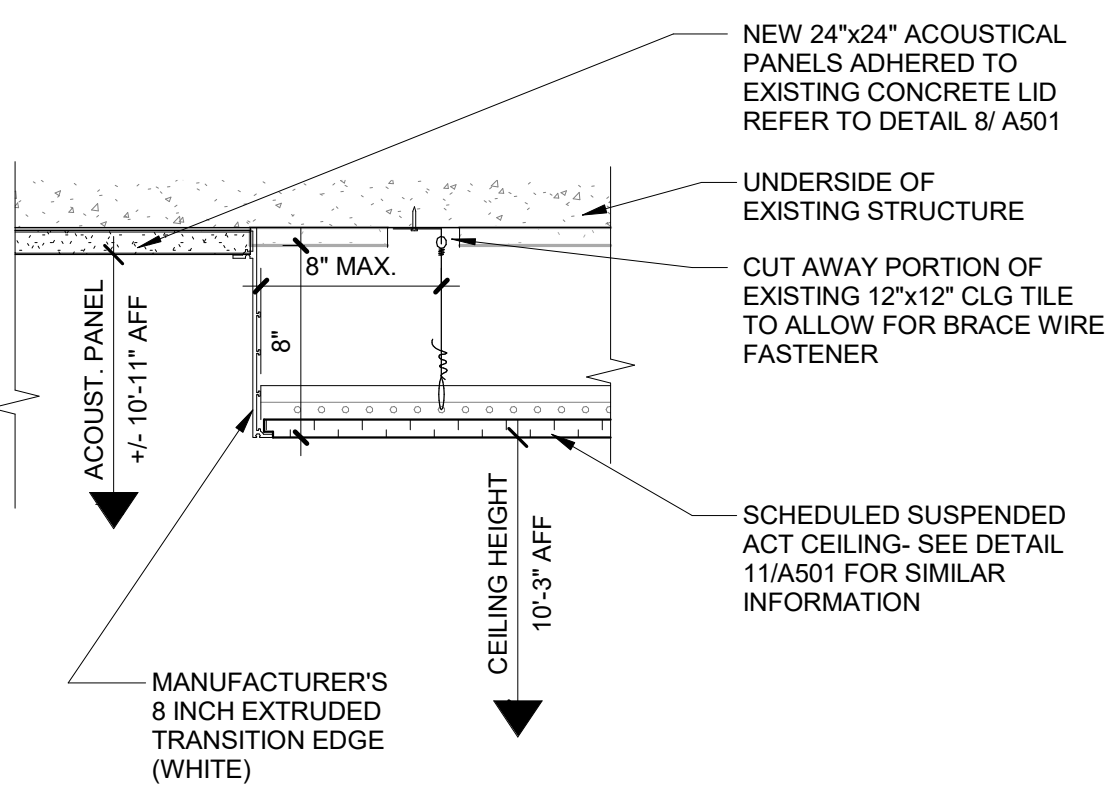
11 SUSPENDED ACT DETAIL

1 1/2" = 1'-0"



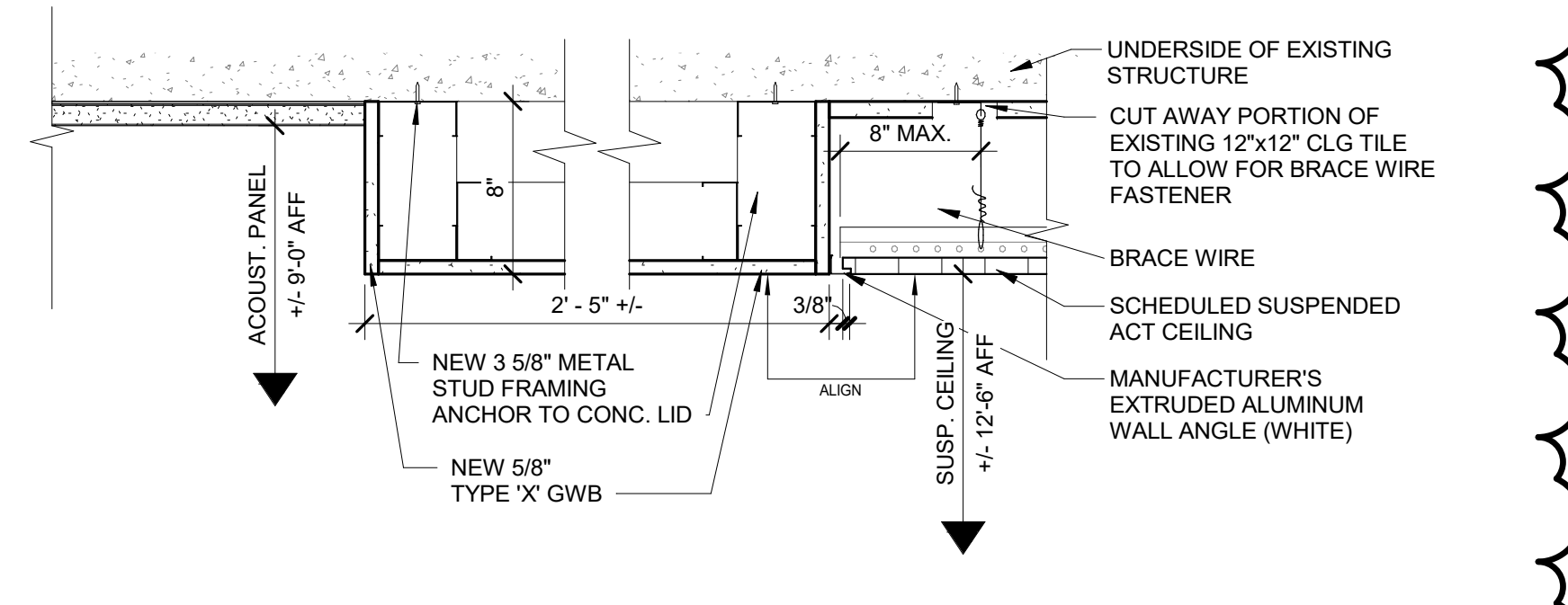
16 LIGHT SHELF- SOFFIT DETAIL

1 1/2" = 1'-0"



17 SUSPENDED ACT TO NEW ACOUST. PANEL CEILING

1 1/2" = 1'-0"



18 SUSPENDED ACT TO EXISTING GWB CEILING

1 1/2" = 1'-0"

GENERAL NOTES:

- A. PROJECT DESCRIPTION: THE PROJECT INVOLVES THE REPLACEMENT OF CEILINGS THROUGHOUT THE CORRIDORS AND LOBBY AREAS. IN SOME AREAS, DROP ACT IS BEING ADDED. SEE ARCHITECTURAL DRAWINGS FOR ALL CEILING TYPES AND LOCATIONS.
- B. PROVIDE ALL MATERIALS, LABOR, AND EQUIPMENT FOR A COMPLETE AND FULLY OPERATIONAL SYSTEM AS INDICATED BY THE CONTRACT DRAWINGS, SPECIFICATIONS, AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
- C. CONTRACTOR TO OBTAIN AND PAY FOR ALL PERMITS, LICENSES, FEES, AND TAXES APPLICABLE TO THE PROJECT AS REQUIRED BY LAW.
- D. CONTRACTOR TO BECOME FAMILIAR WITH EXISTING SITE CONDITIONS AND INSTALLATION. ADJUST AND ADD PIPE HANGERS, PROVIDE MATERIALS FOR A COMPLETE INSTALLATION.
- E. THE CONTRACT DOCUMENTS ENDEAVOR TO PROVIDE THE CONTRACTOR WITH A REASONABLE REPRESENTATION OF THE WORK TO BE PERFORMED. NOT ALL OFFSETS AND BENDS REQUIRED IN THE DUCT AND PIPING SYSTEMS CAN BE ANTICIPATED OR SHOWN. DO NOT RELY ON THE SCALE OF THE DRAWINGS FOR MATERIAL TAKE-OFFS OR COST ESTIMATION. CAREFULLY INVESTIGATE CONDITIONS SURROUNDING INSTALLATION TO PROVIDE CODE REQUIRED AND MANUFACTURER'S CLEARANCES. ALL WORK SHOWN IS DIAGRAMMATIC AND SHALL BE ROUTED TO FIT WITHIN STRUCTURE. COORDINATE WITH ALL TRADES.
- F. CUT AND PATCH EXISTING WALL, FLOOR, ECT. SURFACES TO MATCH EXISTING OR NEW ARCHITECTURAL FINISHES FOR ALL ITEMS REMOVED INCLUDING, BUT NOT LIMITED TO: EQUIPMENT, DUCTWORK, FIXTURES.
- G. HYDRONIC PIPE: COPPER ASTM B88, TYPE K, WITH SOLDERED JOINTS.
- H. PIPE INSULATION: GLASS FIBER, RIGID 1.5-INCH THICK INSTALL PER NAMA NATIONAL INSULATION STANDARDS. PRODUCT: JOHNS MANVILLE CORP MICRO-LOCK HP, KNAUF OR OWENS CORNING EQUIVALENT.
- I. PROVIDE SEISMIC RESTRAINTS AND ENGINEERING CALCULATIONS PER WASHINGTON, IBC, AND LOCAL JURISDICTION REQUIREMENTS.

FIRE SPRINKLER NOTES:

- A. RECORD DRAWINGS OF THE EXISTING BUILDING WILL BE MADE AVAILABLE TO THE CONTRACTOR FOR REFERENCE. EXISTING FIRE SPRINKLER SYSTEM WAS INSTALLED IN 2004.
- B. THE EXISTING BUILDING HAS A WET PIPE FIRE SPRINKLER SYSTEM. MODIFY EXISTING SYSTEM AND PROVIDE FIRE SPRINKLER COVERAGE PER NFPA 13. PROVIDE FULL SPRINKLER COVERAGE OF ALL AREAS OF CONSTRUCTION. COORDINATE EXACT PIPE ROUTING, ECT. WITH OTHER TRADES.
- C. PROVIDE ALL REQUIRED VALVES, HANGERS AND SUPPORTS, DRAINS AND THE LIKE FOR A COMPLETE SYSTEM.
- D. COORDINATE FIRE SPRINKLER SYSTEMS LOCATION AND ROUTING WITH OTHER TRADES.
- E. PROVIDE ENGINEERED, STATE OF WASHINGTON STAMPED DRAWINGS SHOWING FIRE SPRINKLER PIPING AND FIRE SPRINKLER LAYOUT DESIGN SUBMIT PROOF OF APPROVAL OF DRAWINGS BY AUTHORITY HAVING JURISDICTION.
- F. PROVIDE SPRINKLER GUARDS ON ALL SPRINKLERS IN ROOMS/AREAS WITH NO FINISHED CEILING AND WHERE THE SPRINKLERS ARE LOCATED LESS THAN 10 FEET ABOVE THE FINISHED FLOOR.
- G. PIPE MATERIAL TO BE STEEL PIPE; ASTM A53 SCHEDULE 40. FITTING TO BE THREADED OR GROOVED COUPLINGS.
- H. FOR ACT CEILINGS PROVIDE FLEXHEAD SPRINKLER CONNECTION WITH OVER SIZED ESCUTCHEON.
- I. HANGERS: MALLEABLE IRON OR CARBON STEEL, ADJUSTABLE SWIVEL, SPLIT RING. OVER 2 INCHES PROVIDE ADJUSTABLE CLEVIS TYPE.
- J. SPRINKLERS: SUSPEND CEILING TYPE; SEMI-RECESSED PENDANT, CHROME PLATED, WHITE ESCUTCHEON. MANUFACTURERS: TYCO, RELIABLE, VIKING.

MECHANICAL SYMBOLS AND ABBREVIATIONS

SYMBOL	ABBREV.	DESCRIPTION
		SUPPLY DIFFUSER/GRILLE
		RETURN DIFFUSER/GRILLE
		EXHAUST DIFFUSER/GRILLE
		LINEAR SLOT DIFFUSER
		SIDEWALL DIFFUSER/GRILLE
		DETAIL/SECTION NUMBER
		DRAWING WHERE DETAIL/SECTION APPEARS
		POINT OF CONNECTION TO (E)
		NEW EQUIPMENT IDENTIFICATION
		NEW EQUIPMENT MARK
		NEW EQUIPMENT NUMBER
		EXISTING EQUIPMENT IDENTIFICATION
		EXISTING EQUIPMENT MARK
		EXISTING EQUIPMENT NUMBER
		NECK SIZE (IN)
		DIFFUSER/GRILLE MARK
		CFM

DRAWING INDEX

DWG.	DESCRIPTION
MT0.01	TITLE SHEET - MECHANICAL
M231	MECHANICAL FLOOR PLAN - OVERALL
M231A	FIRST FLOOR PLAN - SECTION A
M231B	FIRST FLOOR PLAN - SECTION B
M231C	FIRST FLOOR PLAN - SECTION C
M232A	SECOND FLOOR PLAN - SECTION A (NOT USED)
M232B	SECOND FLOOR PLAN - SECTION B (NOT USED)
M232C	SECOND FLOOR PLAN - SECTION C (NOT USED)

NOTE:
NOT ALL SYMBOLS AND ABBREVIATIONS MAY BE USED.

21 00 00 - 1 Basic Fire Suppression Requirements
SECTION 21 00 00 BASIC FIRE SUPPRESSION REQUIREMENTS

PART 1 GENERAL

- 1.1 DESCRIPTION OF WORK
- A. PROVIDE ALL MATERIALS, LABOR AND EQUIPMENT REQUIRED TO INSTALL COMPLETE AND FULLY OPERATIONAL FIRE PROTECTION SYSTEMS AS INDICATED BY THE CONTRACT DRAWINGS, THIS SPECIFICATION, AND REQUIREMENTS OF AUTHORITY (ES) HAVING JURISDICTION (HJ).
- B. CONTRACTOR SHALL PROVIDE COMPLETE ENGINEERING CALCULATIONS AND DESIGN OF THE FIRE PROTECTION SYSTEM SATISFYING THE DIRECTION AND CRITERIA OF THIS SPECIFICATION AND ALL OTHER SUPPORTING DOCUMENTS AND DRAWINGS.
- C. PROVIDE THE DESIGN AND ALL MATERIALS, LABOR AND EQUIPMENT REQUIRED TO INSTALL A COMPLETE AND FULLY OPERATIONAL FIRE PROTECTION SYSTEM AS INDICATED BY THE CONTRACT DRAWINGS AND THIS SPECIFICATION.
- D. PLANS FOR THE EXISTING FIRE PROTECTION SYSTEM ARE AVAILABLE. CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH EXISTING CONDITIONS PRIOR TO THE BID AND INCLUDE ANY AND ALL COSTS ASSOCIATED WITH THE MODIFICATION, EXTENSION OR ADDITION TO EXISTING SYSTEMS IN ORDER TO MEET THE REQUIREMENTS OF THESE DOCUMENTS.
- E. CONTRACTOR SHALL NOT COMPROMISE OR DIMINISH ANY EXISTING BUILDING SYSTEM, SERVICE OR FUNCTION IN HIS EXECUTION OF THE WORK. ANY SUCH POTENTIAL IMPACTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
- F. OBTAIN AND PAY FOR ALL PERMITS, LICENSES, FEES AND TAXES APPLICABLE TO THIS PROJECT AS REQUIRED BY LAW.
- G. COOPERATE WITH OTHER TRADES IN FURNISHING MATERIAL AND INFORMATION REQUIRED FOR INSTALLATION AND OPERATION OF MECHANICAL ITEMS.
- 1.2 DESIGN PERFORMANCE
- A. COMPLIANCE BY THE CONTRACTOR AND/OR VENDOR WITH THE PROVISIONS OF THIS SPECIFICATION DOES NOT RELIEVE HIM OF THE RESPONSIBILITIES OF FURNISHING EQUIPMENT AND MATERIALS OF PROPER DESIGN, MECHANICALLY SUITED TO MEET OPERATING GUARANTEES AT THE SPECIFIED SERVICE CONDITIONS.
- 1.3 SUBMITTALS
- A. PRODUCT DATA. SUBMIT COMPLETE SETS OF MANUFACTURER'S PRODUCT DATA FOR APPROVAL. LITERATURE SUBMITTED SHALL CLEARLY INDICATE THE MODEL NUMBER, CAPACITY, RATED OPERATING CONDITIONS, SIZE, WEIGHT, AND SUPPORT REQUIREMENTS.
1. FIRE PROTECTION PIPING MATERIALS, VALVES, FITTINGS, SUPPORTS, SPRINKLER HEADS, AND THE LIKE, PROVIDE MINIMUM 36 X 24 SIZE SYSTEM LAYOUT SHOP DRAWINGS, PROVIDE HYDRAULIC CALCULATIONS.
- B. OPERATION AND MAINTENANCE DATA. SUBMIT COMPLETE SETS OF MANUFACTURER'S PRODUCT DATA IN .PDF FORMAT FOR APPROVAL.
- 1.4 QUALITY ASSURANCE
- A. CODES AND STANDARDS. COMPLY WITH THE PROVISIONS OF THE FOLLOWING CODES, STANDARDS AND SPECIFICATIONS, EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE SHOWN OR SPECIFIED:
1. STATE OF WASHINGTON "BC" AND "FC".
2. NFPA 13.
- 1.5 PROJECT CONDITIONS
- A. GENERAL. PROVIDE PRODUCTS WHICH ARE COMPATIBLE WITH OTHER PORTIONS OF THE WORK AND PROVIDE PRODUCTS WITH THE PROPER POWER CHARACTERISTICS AND SIMILAR ADAPTATIONS FOR THE PROJECT.
- B. COORDINATION. WHERE SEVERAL ELEMENTS OF THE WORK MUST BE SEQUENCED AND POSITIONED IN ORDER TO FIT THE AVAILABLE SPACE, PREPARE SHOP DRAWINGS SHOWING THE ACTUAL PHYSICAL DIMENSIONS (AT ACCURATE SCALE) REQUIRED FOR INSTALLATION AND SUBMIT PRIOR TO PURCHASE/FABRICATION/INSTALLATION OF ANY OF THE ELEMENTS INVOLVED IN THE COORDINATION.
- 1.6 STANDARDS
- A. GENERAL. PROVIDE ALL NEW MATERIALS AND EQUIPMENT, IDENTICAL TO APPARATUS OR EQUIPMENT IN SUCCESSFUL OPERATION FOR A MINIMUM OF FIVE YEARS. PROVIDE MATERIALS OF COMPARABLE QUALITY OMITTED HERE BUT NECESSARY TO COMPLETE THE WORK. MAXIMUM ALLOWABLE VARIATION FROM RATED CAPACITIES, MINUS 5% TO PLUS 10% AS APPROVED IN EACH CASE.
- B. GOVERNING STANDARDS. THE FOLLOWING ARE TYPICAL STANDARDS GENERALLY REFERENCED IN THESE SPECIFICATIONS AND IDENTIFIED BY THEIR ACRONYM. FACTORY MUTUAL (FM), FEDERAL SPECIFICATIONS (FS), AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM), AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), MANUFACTURERS STANDARDIZATION SOCIETY OF THE VALVE AND FITTING INDUSTRY, STANDARD PRACTICE (MSS SP-69), UNDERWRITERS LABORATORY (UL) NUMBERS ARE GIVEN.

1.7 WARRANTIES

- A. CONTRACTOR SHALL PROVIDE A 1 YEAR WARRANTY ON ALL EQUIPMENT, MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF OWNER'S ACCEPTANCE.
- PART 2 PRODUCTS
- 2.1 SPRINKLER SYSTEM
- A. SPRINKLER SYSTEM. EXTEND COVERAGE FOR REMODELED AREA WITH NEW CEILINGS.
- B. OCCUPANCY: LIGHT HAZARD; COMPLY WITH NFPA 13.
- C. WATER SUPPLY: DETERMINE VOLUME AND PRESSURE FROM WATER FLOW TEST DATA.
- 2.2 ABOVE GROUND PIPING
- A. STEEL PIPE: ASTM A53 SCHEDULE 40, BLACK.
1. STEEL FITTINGS: ASME B16.9 WROUGHT STEEL, BUTTWELDED, ASME B16.25 BUTTWELD ENDS, ASTM A234A234M WROUGHT CARBON STEEL, OR ALLOY STEEL, ASME B16.5 STEEL FLANGES AND FITTINGS, OR ASME B16.11 FORGED STEEL SOCKET WELDED AND THREADED.
2. MALLEABLE IRON FITTINGS: ASME B16.3, THREADED FITTINGS AND ASTM A47M7M.
3. MECHANICAL GROOVED COUPLINGS: MALLEABLE IRON HOUSING CLAMPS TO ENGAGE AND LOCK, "C" SHAPED ELASTOMERIC SEALING GASKET, STEEL BOLTS, NUTS, AND WASHERS, GALVANIZED FOR GALVANIZED PIPE.
- 2.3 FLEXIBLE SPRINKLER HOSE FITTINGS
- A. FLEXHEAD INDUSTRIES FLEXIBLE SPRINKLER CONNECTIONS.
- 2.4 PIPE HANGERS AND SUPPORTS
- A. HANGERS FOR PIPE SIZES 1/2 TO 1-1/2 INCH MALLEABLE IRON OR CARBON STEEL, ADJUSTABLE SWIVEL, SPLIT RING.
- B. HANGERS FOR PIPE SIZES 2 INCHES AND OVER: CARBON STEEL, ADJUSTABLE, CLEVIS.
- 2.5 SPRINKLERS
- A. SUSPENDED CEILING TYPE: SEMI-RECESSED PENDANT TYPE WITH MATCHING PUSH ON ESCUTCHEON PLATE.
1. RESPONSE TYPE: QUICK OR STANDARD.
2. COVERAGE TYPE: STANDARD OR EXTENDED.
3. FINISH: CHROME PLATED.
4. ESCUTCHEON PLATE FINISH: WHITE.
5. FUSIBLE LINK: FUSIBLE SOLDER LINK TYPE OR GLASS BULB TYPE. TEMPERATURE RATED FOR SPECIFIC AREA HAZARD.
6. MANUFACTURERS:
- a. TYCO FIRE PROTECTION PRODUCTS: WWW.TYCO-FIRE.COM.
- b. RELIABLE: WWW.RELIABLESPRINKLER.COM.
- c. VIKING.
- B. EXPOSED AREA TYPE: STANDARD TYPE.
1. RESPONSE TYPE: QUICK OR STANDARD.
2. COVERAGE TYPE: STANDARD OR EXTENDED.
3. FINISH: BRASS.
4. FUSIBLE LINK: FUSIBLE SOLDER LINK TYPE OR GLASS BULB TYPE. TEMPERATURE RATED FOR SPECIFIC AREA HAZARD.
5. MANUFACTURERS:
- a. TYCO FIRE PROTECTION PRODUCTS: WWW.TYCO-FIRE.COM.
- b. VIKING.
- c. RELIABLE: WWW.RELIABLESPRINKLER.COM.

PART 3 EXECUTION

- 3.1 LAYOUT AND COORDINATION
- A. SITE EXAMINATION. BEFORE STARTING WORK, CAREFULLY EXAMINE SITE AND ALL CONTRACT DRAWINGS. BECOME THOROUGHLY FAMILIAR WITH CONDITIONS GOVERNING WORK ON THIS PROJECT. VERIFY ALL INDICATED ELEVATIONS, BUILDING MEASUREMENTS, ROUGH-IN DIMENSIONS AND EQUIPMENT LOCATIONS BEFORE PROCEEDING WITH ANY WORK.
- 3.2 CUTTING AND PATCHING
- A. GENERAL. PERFORM CUTTING AND PATCHING IN ACCORDANCE WITH DIVISION 1.
- B. PROTECTION. DURING CUTTING AND PATCHING, PROTECT ADJACENT INSTALLATIONS. PROVIDE TEMPORARY BARRIERS TO PREVENT THE SPREAD OF DUST AND DIRT OUTSIDE OF THE IMMEDIATE WORK AREA.
- C. REPAIR. PATCH FINISHED SURFACES AND BUILDING COMPONENTS USING NEW MATERIALS TO MATCH THE EXISTING.
- 3.3 INSTALLATION
- A. LOCATING AND POSITIONING EQUIPMENT. OBSERVE ALL CODES AND REGULATIONS AND GOOD COMMON PRACTICE IN LOCATING AND INSTALLING EQUIPMENT AND MATERIAL, SO THAT COMPLETED INSTALLATION PRESENTS THE LEAST POSSIBLE HAZARD. MAINTAIN RECOMMENDED CLEARANCES FOR REPAIR AND SERVICE TO ALL EQUIPMENT.
- B. ANCHORAGE. ANCHOR AND/OR BRACE ALL MECHANICAL EQUIPMENT, PIPING AND DUCTWORK TO RESIST DISPLACEMENT DUE TO SEISMIC ACTION. INCLUDE SHAKERS ON EQUIPMENT MOUNTED ON SPRING ISOLATORS.
- C. WHERE MOUNTING HEIGHTS OR LOCATIONS ARE NOT IDENTIFIED, INSTALL SYSTEMS, EQUIPMENT AND MATERIALS TO PROVIDE MAXIMUM HEADROOM.
- D. INSTALL SPRINKLER SYSTEM AND SERVICE MAIN PIPING, HANGERS, AND SUPPORTS IN ACCORDANCE WITH NFPA 13.
- E. PIPE HANGERS AND SUPPORTS:
1. INSTALL HANGERS TO PROVIDE MINIMUM 1/2 INCH SPACE BETWEEN FINISHED COVERING AND ADJACENT WORK.
2. PLACE HANGERS WITHIN 12 INCHES OF EACH HORIZONTAL ELBOW.
3. USE HANGERS WITH 1-1/2 INCH MINIMUM VERTICAL ADJUSTMENT. DESIGN HANGERS FOR PIPE MOVEMENT WITHOUT DISENGAGEMENT OF SUPPORTED PIPE.
- F. CENTER SPRINKLERS IN ONE DIRECTION ONLY IN CEILING TILE WITH LOCATION IN OTHER DIRECTION VARIABLE, DEPENDENT UPON SPACING AND COORDINATION WITH CEILING ELEMENTS.
- G. PROVIDE OVERSIZED ESCUTCHEONS ON ALL SPRINKLERS TO ALLOW FOR SEISMIC MOVEMENT.
- H. FLUSH ENTIRE PIPING SYSTEM OF FOREIGN MATTER.
- I. HYDROSTATICALLY TEST ENTIRE SYSTEM.
- 3.4 INSPECTION
- A. THE CONTRACTOR SHALL INSPECT HIS WORK TO ENSURE THE INSTALLATION AND WORKMANSHIP IS IN ACCORDANCE WITH THESE SPECIFICATIONS AND ACCEPTABLE INDUSTRY STANDARDS.
- 3.5 CLEANING, START-UP, AND ADJUSTING
- A. THOROUGHLY CLEAN ALL PARTS OF THE INSTALLATION AT THE COMPLETION OF THE WORK. THE CONTRACTOR SHALL CLEAN UP AND REMOVE FROM THE PREMISES ALL REFUSE MATERIAL, CRATES, AND RUBBISH ARISING FROM HIS WORK.
- END OF SECTION



EXPIRES 12-31-23

MONTICELLO MIDDLE SCHOOL TENANT IMPROVEMENT
LONGVIEW SCHOOL DISTRICT NO. 122
2715 LILAC STREET, 1225 28TH AVENUE
LONGVIEW, WA 98632

TITLE SHEET -
MECHANICAL

23017

06/22/2023

REV #	DATE	DESCRIPTION
1	07/14/23	ADDEN-01

6915 S MACADAM AVE
SUITE 200
PORTLAND, OREGON 97219
CONTACT: BRENT JOHANSSON
PHONE: (503) 892-1168
engineers@mikeinc.com
Since 1979



M0.0

PERMIT DRAWINGS

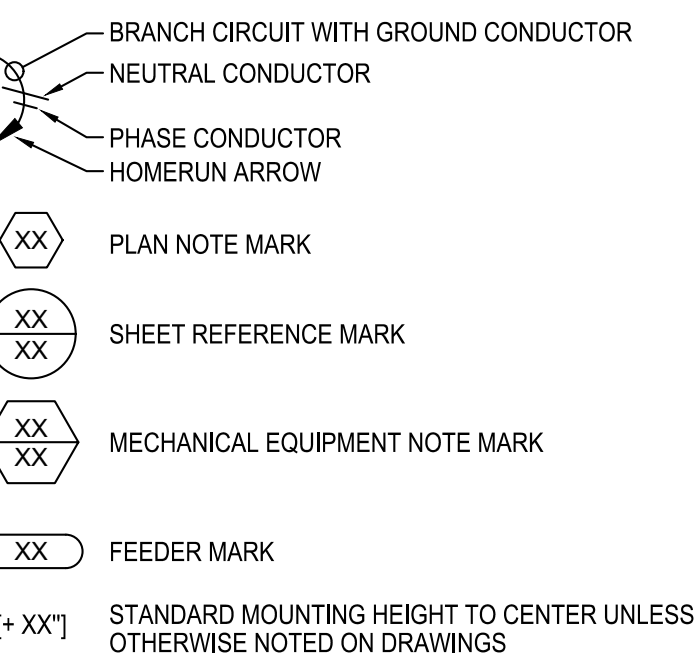
GENERAL ELECTRICAL REQUIREMENTS

1. FURNISH ALL LABOR, MATERIALS AND SUPERVISION NECESSARY FOR THE CONSTRUCTION, TESTING AND ADJUSTMENTS OF ALL CIRCUITS AND ELECTRICAL EQUIPMENT SPECIFIED HEREIN, SHOWN OR NOTED ON THE DRAWINGS.
2. BIDDERS SHALL VIEW THE SITE AND SHALL INCLUDE ALL COSTS INCURRED BY EXISTING CONDITIONS.
3. CODES AND STANDARDS: CONFORM TO THE APPLICABLE CURRENT STANDARDS OF THE NATIONAL ELECTRIC CODE (NEC), NATIONAL ELECTRIC SAFETY CODE (NESC), NATIONAL FIRE CODES, LOCAL ELECTRICAL CODES, AND OTHER APPLICABLE STANDARDS. WHERE CONFLICTS BETWEEN ANY OF THE ABOVE STANDARDS, THE STANDARD WHICH IS MOST STRINGENT SHALL TAKE PRECEDENCE. WHERE THE CONTRACT DOCUMENTS EXCEED MINIMUM REQUIREMENTS, THE CONTRACT DOCUMENTS SHALL TAKE PRECEDENCE.
4. IDENTIFICATION OF LISTED PRODUCTS: ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE LISTED BY UNDERWRITERS LABORATORIES, INC. (UL).
5. SECURE AND PAY FOR ALL NECESSARY PERMITS AND FEES. ARRANGE FOR ALL REQUIRED INSPECTIONS.
6. EQUIPMENT AND MATERIALS SHALL BE NEW AND FREE FROM DEFECTS. ALL MATERIAL AND EQUIPMENT OF THE SAME OR A SIMILAR TYPE SHALL MATCH THAT OF THE MANUFACTURER AND MODEL NUMBER PREDOMINANTLY EXISTING ON THE PROJECT. STANDARD PRODUCTION MATERIALS SHALL BE USED WHEREVER POSSIBLE.
7. CONDUITS SHALL BE PROVIDED FOR ELECTRICAL POWER, TELEPHONE, DATA, AND CONTROL SYSTEMS. CONDUITS SHALL BE PROVIDED FOR ALL SYSTEMS UNLESS OTHERWISE NOTED.
8. ALL RACEWAYS SHALL BE APPROVED FOR THE APPLICATION.
9. GALVANIZED STEEL RIGID METAL CONDUIT (RMC): PROVIDE RMC FOR EXPOSED, EXTERIOR APPLICATIONS. MINIMUM SIZE SHALL BE 3/4" FOR ALL SYSTEMS. COMPLY WITH ANSI C80.1 AND UL 6.
10. ELECTRICAL METALLIC TUBING (EMT): PROVIDE EMT IN FURRED SPACES; ABOVE DROPPED CEILING, IN MASONRY WALLS ABOVE GRADE AND IN UNFINISHED AREAS. MINIMUM SIZE SHALL BE 1 INCH FOR TELEPHONE AND DATA AND 1/2 INCH FOR ALL OTHER SYSTEMS.

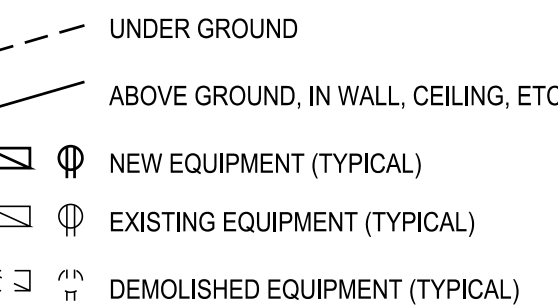
11. POLYVINYL (PVC): PROVIDE PVC IN UNDERGROUND; UNDER SLAB, ON GRADE. MINIMUM SIZE SHALL BE 3/4" FOR ALL SYSTEMS. COMPLY WITH NEMA TC2 AND LABELED AS COMPLYING WITH UL 651, SCHEDULE 40 UNLESS OTHERWISE INDICATED, SCHEDULE 80 WHERE SUBJECT TO PHYSICAL DAMAGE, RATED FOR USE WITH CONDUCTORS RATED 90 DEGREES C.
12. FLEXIBLE METALLIC CONDUIT: SHALL BE PROVIDED FOR CONNECTION TO MOTORS, TRANSFORMERS, LAY-IN LIGHTING FIXTURES PLUS OTHER EQUIPMENT CONNECTIONS SUBJECT TO VIBRATIONS. MINIMUM SIZE SHALL BE 3/4 INCH AND MAXIMUM LENGTH SHALL NOT EXCEED SIX FEET. FLEX IN DAMP OR WET LOCATIONS SHALL BE JACKETED LIQUID TIGHT WITH APPROVED FITTINGS.
13. SURFACE METAL RACEWAY SHALL BE USED FOR EXPOSED RACEWAYS IN FINISHED SPACES.
14. RMC FITTINGS SHALL BE STEEL OR MALLEABLE IRON, DO NOT USE DIE CAST ZINC. USE THREADED TYPE FITTINGS ONLY. SET SCREW AND COMPRESSION TYPE ARE NOT PERMITTED.
15. EMT FITTINGS SHALL BE STEEL WITH INSULATED BUSHINGS. CONNECTORS SHALL BE COMPRESSION, SET SCREW OR COMPRESSION SCREW TYPE.
16. PVC FITTINGS SHALL COMPLY WITH NEMA TC3 AND UL LISTED AND LABELED AS COMPLYING WITH UL 651. MATERIAL TO MATCH CONDUIT.
17. PVC ELBOWS: USE ONLY FACTORY FORMED SCHEDUL 40 ELBOWS. FIELD BENDS ARE NOT ACCEPTABLE. FOR TOTAL CONDUIT LENGTHS BETWEEN PULL POINTS OVER 100 FT. USE RIGID STEEL ELBOWS. FOR 2" DIA. AND LARGER OVER 100 FT. USE LONG SWEEP RIGID STEEL OR FIBERGLASS ELBOWS.
18. FLEXIBLE CONDUIT: UTILIZE SCREW-IN TYPE CONNECTORS, COUPLINGS AND SET SCREW TYPE CONNECTORS SHALL NOT BE USED.
19. BOXES SHALL BE HOT-DIP, GALVANIZED STEEL. MINIMUM SIZE FOR OUTLETS SHALL BE 4" X 4", PROVIDE WITH MUD RING.
20. CONDUCTORS, WIRES, AND CABLE SHALL BE PROVIDED FOR POWER, CONTROL, LIGHTING, RECEPTACLES, INSTRUMENTATION, GROUNDING AND SIGNAL CIRCUITS. THE QUANTITY AND SIZE OF CONDUCTORS SHALL BE AS SPECIFIED AND REQUIRED.

21. CONDUCTORS SHALL BE SINGLE CONDUCTOR, ANNEALED COPPER WITH 600-VOLT TYPE THWN/THHN POLYVINYLCHLORIDE (PVC) INSULATION AND NYLON JACKET, UNLESS OTHERWISE NOTED. MINIMUM CONDUCTOR SIZE SHALL BE NO. 12 AWG. CONDUCTORS SHALL BE CERROWIRE, SOUTHWIRE, GENERAL CABLE, OR EQUAL.
22. GROUNDING CONDUCTORS: GROUND ALL RACEWAY SYSTEMS AND EQUIPMENT ENCLOSURES. WHERE NOT OTHERWISE INDICATED, GROUNDING CONDUCTOR SIZE SHALL CONFORM TO THE MOST STRINGENT OF THE GOVERNING CODES. GROUND CONDUCTORS SHALL BE GREEN INSULATED AND SHALL BE RUN IN CONDUIT.
23. CONNECTORS FOR STRANDED CONDUCTORS SHALL BE TOOL APPLIED, TIN-PLATED COPPER, COMPRESSION TYPE OF THE CORRECT SIZE AND UL APPROVED FOR THE APPLICATIONS.
24. CONNECTORS FOR WIRE SIZES NO. 10 AWG AND SMALLER SHALL BE WING NUT CONNECTOR TYPE. CONNECTORS FOR WIRE SIZES NO. 8 AWG AND LARGER SHALL BE COMPRESSION TYPE. MECHANICAL CLAMP, DIMPLE, OR SCREW-TYPE CONNECTORS ARE NOT ACCEPTABLE.
25. ELECTRICAL LAYOUT DRAWINGS ARE DIAGRAMMATIC. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ELECTRICAL MATERIAL AND EQUIPMENT WITH THE WORK.
26. ELECTRICAL EQUIPMENT, CONDUCTOR, RACEWAY, FITTINGS, AND SUPPORTS SHALL BE PROTECTED FROM DUST, WATER, AND DAMAGE.
27. WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER.
28. THE CONTRACTOR SHALL LIMIT THE NUMBER OF DIRECTIONAL CHANGES OF CONDUIT TO A TOTAL OF NOT MORE THAN 270 DEGREES IN ANY RUN BETWEEN PULL BOXES.
29. PROPERLY SUPPORT AND ALIGN LIGHT FIXTURES AND PROVIDE ALL NECESSARY SPACERS, STEMS, SWIVELS AND CANOPIES FOR PROPER MOUNTING. VERIFY ALL CEILING SYSTEMS AND COORDINATE FIXTURES, TYPES AND ACCESSORIES NECESSARY FOR A COMPLETE INSTALLATION.
30. GUARANTEE THE ELECTRICAL INSTALLATION AGAINST ALL DEFECTS IN MATERIALS, EQUIPMENT, AND WORKMANSHIP FOR ONE YEAR AFTER THE DATE OF ACCEPTANCE OF THE WORK. DEFECTS SHALL BE PROPERLY REMEDIED TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.

REFERENCE SYMBOLS & WIRING



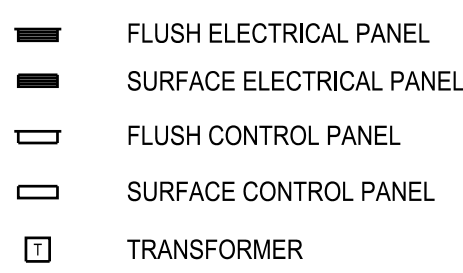
LINETYPE LEGEND



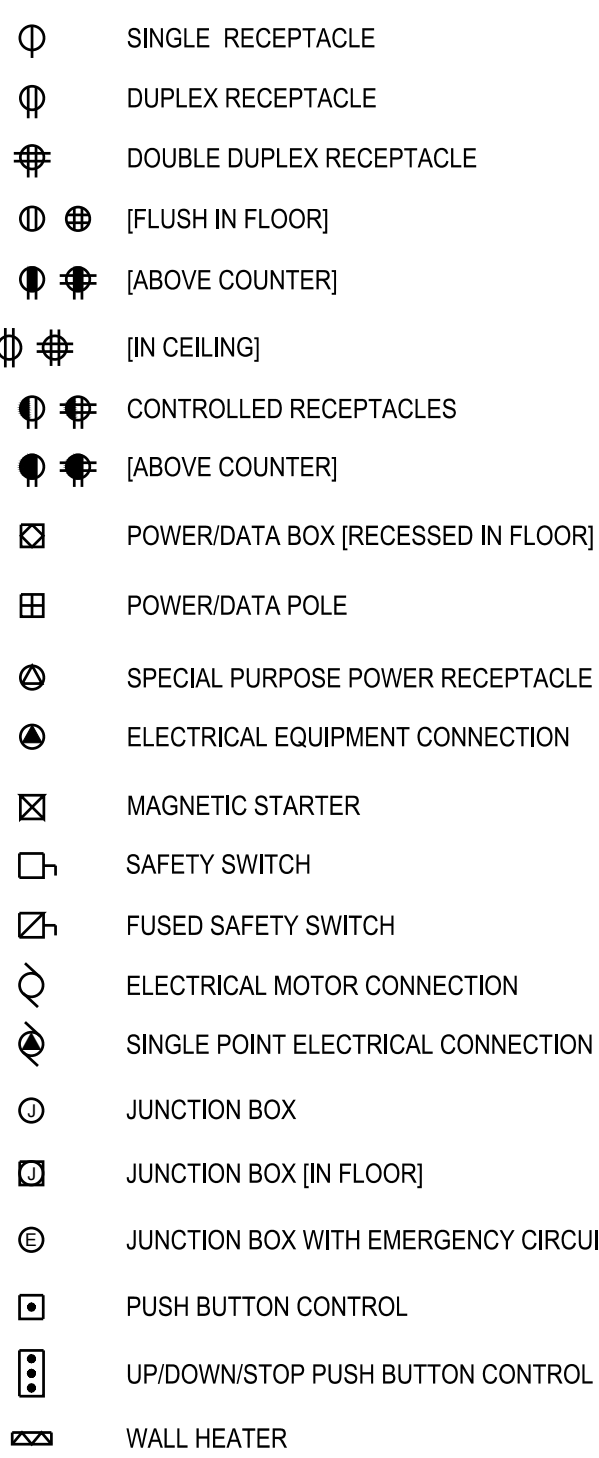
ABBREVIATIONS

(E)	EXISTING TO REMAIN
(F)	FUTURE
(R)	EXISTING TO BE RELOCATED
(D)	EXISTING TO BE DEMOLISHED
AC	ALTERNATING CURRENT
A, AMP	AMPERES
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFI	ARC FAULT CIRCUIT INTERRUPTER
AHJ	AUTHORITY HAVING JURISDICTION
AIC	EQUIPMENT SHORT CIRCUIT INTERRUPT RATING
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
AUX	AUXILIARY
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CT	CURRENT TRANSFORMER
CU	COPPER
DC	DIRECT CURRENT
DISC	DISCONNECT
DIA	DIAMETER
DWG	DRAWING
EF	EXHAUST FAN
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENCL	ENCLOSURE
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR
FBO	FURNISHED BY OTHERS
FLA	FULL LOAD AMPERES
FSD	FIRE & SMOKE DAMPER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HP	HORSEPOWER
HTR	HEATER
INV	INVERTER
KCM	THOUSAND CIRCULAR MILS
KW	THOUSAND WATTS
KVA	THOUSAND VOLT-AMPERES
LTG	LIGHTING
LCP	LIGHTING CONTROL PANEL
MB	MAIN BREAKER
MCA	MINIMUM CIRCUIT AMPERES
MDP	MAIN DISTRIBUTION PANEL
MIN	MINIMUM
MLO	MAIN LUGS ONLY
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MFG'RS ASSOCIATION.
NTS	NOT TO SCALE
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFDI	OWNER FURNISHED, OWNER INSTALLED
OS	OCCUPANCY SENSOR
PH, Ø	PHASE
PNL	PANEL
SDP	SUB DISTRIBUTION PANEL
TEL	TELEPHONE
TK	TOE KICK MOUNTED
TYP	TYPICAL
V	VOLTS
VA	VOLT-AMPERES
W	WATT
WP	WEATHERPROOF
XFMR	TRANSFORMER

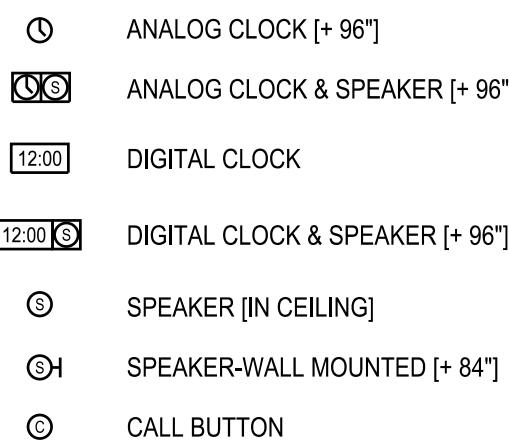
DISTRIBUTION & EQUIPMENT



POWER DEVICES

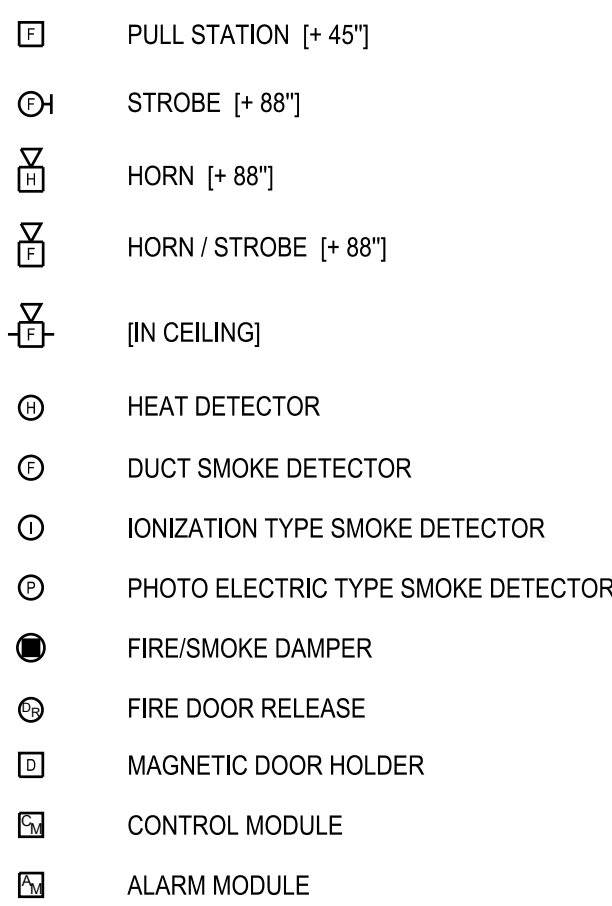


SIGNAL DEVICES



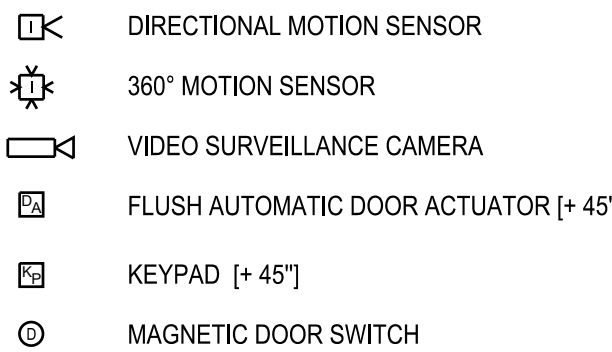
NOTE: EXISTING PAGING SYSTEM DEVICES ARE AS MANUFACTURED BY RAULAND.

FIRE ALARM DEVICES



FIRE ALARM DESIGN BUILD NOTE:
THE CONTRACTOR IS RESPONSIBLE FOR MODIFICATION OF THE EXISTING FIRE ALARM SYSTEM, INITIATION DEVICES, MONITORING DEVICES, CONTROL DEVICES, ANNUNCIATION DEVICES, AND OTHER EQUIPMENT TO ACCOMMODATE THE CHANGES TO THE CORRIDOR / HALLWAY SYSTEM CEILINGS. BEST EFFORT HAS BEEN MADE TO INDICATE FIRE ALARM DEVICES THAT REQUIRE REMOVAL / REINSTALLATION AND RELOCATION. INCLUDE THE SERVICES OF QUALIFIED INDIVIDUALS TO MAINTAIN OR OTHERWISE RE-PROGRAM THE FIRE ALARM SYSTEM AS NECESSARY. RE-TEST FIRE ALARM SYSTEM TO ASSURE PROPER OPERATION. EXISTING FIRE ALARM SYSTEM DEVICES ARE AS PART OF A GE EST SYSTEM 3.

SECURITY DEVICES



LIGHTING DEVICES



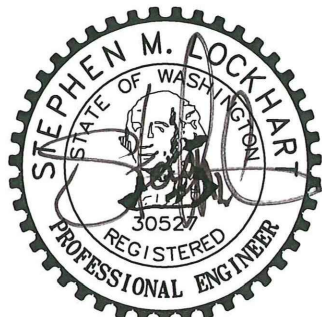
NOTE: SYMBOLS AND DEFINITIONS LISTED ON TITLE SHEET ARE TYPICAL OF ALL PROJECTS AND SOME MAY NOT BE PRESENT IN ANY GIVEN DRAWING SET.

DRAWING INDEX

DWG	DESCRIPTION
E000	ELECTRICAL TITLE SHEET
E230	EXISTING OVERALL FLOOR PLANS - ELECTRICAL
ED231A	FIRST FLOOR DEMO PLAN SECTOR A - ELECTRICAL
ED231B	FIRST FLOOR DEMO PLAN SECTOR B - ELECTRICAL
ED231C	FIRST FLOOR DEMO PLAN SECTOR C - ELECTRICAL
ED232B	SECOND FLOOR DEMO PLAN SECTOR B - ELECTRICAL
ED232C	SECOND FLOOR DEMO PLAN SECTOR C - ELECTRICAL
E231A	FIRST FLOOR PLAN SECTOR A - ELECTRICAL
E231B	FIRST FLOOR PLAN SECTOR B - ELECTRICAL
E231C	FIRST FLOOR PLAN SECTOR C - ELECTRICAL
E232B	SECOND FLOOR PLAN SECTOR B - ELECTRICAL
E232C	SECOND FLOOR PLAN SECTOR C - ELECTRICAL

LIGHTING FIXTURE INDEX

DWG	DESCRIPTION
L1	2x4 LED RECESSED TROFFER 30VA, 3840 LUMENS, 3500K, 80CRI KEYSTONE KT-CBLED30-RMF-24-35-VDIM
L2	2x4 LED SURFACE MOUNTED TROFFER 30VA, 3840 LUMENS, 3500K, 80CRI KEYSTONE KT-CBLED30-SM-24-35-VDIM
L3	1x4 LED SURFACE MOUNTED TROFFER 35VA, 4375 LUMENS, 3500K, 80CRI KEYSTONE KT-CBLED35-SM-14-35-VDIM



06/22/2023

MONTICELLO MIDDLE SCHOOL TENANT IMPROVEMENT
LONGVIEW SCHOOL DISTRICT NO. 122
2715 LILAC STREET, 1225 28TH AVENUE
LONGVIEW, WA 98632

ELECTRICAL
TITLE SHEET

23017

06/22/2023

REV #	DATE	DESCRIPTION
1	07/14/23	ADDEN-01

6915 S MACADAM AVE
SUITE 200
PORTLAND, OREGON 97219
CONTACT: MARK GARAND
PHONE: (503) 892-1188
engineering@mke-inc.com
Since 1979



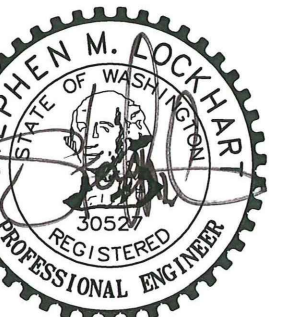
E000

PERMIT DRAWINGS

1. EXISTING WALL MOUNT EMERGENCY EGRESS LIGHT FIXTURES ARE NOT IMPACTED BY THE LIGHTING UPGRADE.
2. ELECTRICAL OUTLETS, DEVICES AND EQUIPMENT SHOWN DASHED REPRESENT EXISTING TO BE DEMOLISHED. EXISTING ELECTRICAL OUTLETS AND EQUIPMENT TO REMAIN ARE SHOWN WITH "H" DESIGNATION OR OTHERWISE SPECIFICALLY NOTED.
3. LABOR AND MATERIALS REQUIRED TO CHANGE THE EXISTING ELECTRICAL INSTALLATION AS INDICATED SHALL BE PROVIDED. DRAWINGS ARE DIAGNOSTIC AND DO NOT SHOW EXISTING INTERCONNECTING COMPONENTS.
4. UNLESS OTHERWISE NOTED, REMOVE EXISTING ELECTRICAL OUTLETS, DEVICES, EQUIPMENT AND ASSOCIATED CONDUITS, CONDUCTORS AND HARDWARE IN AREAS SHOWN DASHED. REMOVE EXISTING EQUIPMENT ON DRAWING COORDINATE WITH ARCHITECTURAL DRAWINGS. EXTEND AND RECONNECT ANY INTERRUPTED CIRCUITS TO OTHERS EXISTING ELECTRICAL OUTLETS, DEVICES AND EQUIPMENT. THE CONTRACTOR SHALL INCLUDE ALL COSTS FOR LABOR AND MATERIALS REQUIRED TO MAINTAIN EXISTING SYSTEMS INDICATED FOR REUSE.
5. EXISTING EQUIPMENT TO BE SPECIFICALLY IDENTIFIED, OWNER SHALL HAVE FIRST RIGHT OF SALVAGE OF ELECTRICAL MATERIALS AND EQUIPMENT INTENDED FOR DEMOLITION. OTHERWISE, ALL ELECTRICAL MATERIALS AND EQUIPMENT REMOVED FROM THE EXISTING INSTALLATION IN THE COURSE OF THE PROJECT SHALL BE THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.

6. CONTRACTOR SHALL PROVIDE NECESSARY LABOR AND MATERIALS TO MAINTAIN TEMPORARY ELECTRICAL SYSTEMS AS MAY BE REQUIRED BY ARCHITECT OR OWNER IN OPERATION DURING THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL CAREFULLY REVIEW THE ARCHITECT'S PROJECT CONSTRUCTION PHASE PLAN AND SCHEDULE AND COORDINATE WORK WITHIN THOSE LIMITATIONS. COORDINATE WORK OF DIVISION 26 WITH THAT OF THE OTHER DIVISIONS PRIOR TO ALL ROUGH-IN.
7. EXISTING ELECTRICAL SYSTEMS, DAMAGE FROM DAMAGE DURING THE DEMOLITION AND CONSTRUCTION PHASES.
8. ABANDONED WIRING SHALL BE REMOVED COMPLETELY BACK TO THE SOURCE. EXISTING CONDUIT MAY BE USED FOR CAPPING OFF CONDUIT. WIRING SHALL BE REMOVED TO THE POINT OF PENETRATING WALLS OR JOISTS. AREAS TO BE REMAIN SHALL BE CUT OFF FLUSH. SELL ALL ABANDONED CONDUIT.
9. INFORMATION GIVEN ON THE DRAWINGS IN REFERENCE TO EXISTING FEATURES SHALL BE USED FOR INFORMATION PURPOSES ONLY. WITHOUT OBSERVATION, BUT CANNOT BE GUARANTEED TO BE COMPLETELY ACCURATE IN ALL RESPECTS. VERIFY INFORMATION BEFORE PROCEEDING WITH ANY WORK.
11. DEMOLITION OF EXISTING CABLEING FOR TELEPHONE, DATA, CABLE TV, FIBER AND INNER DUCT SHALL BE COORDINATED WITH OWNER TO AVOID DAMAGE TO EXISTING CABLEING AND/OR EQUIPMENT INTENDED BY THE OWNER TO REMAIN.

1. EXISTING CEILING TO REMAIN, NEW SUSPENDED CEILING TO BE INSTALLED BELOW EXISTING. SEE ARCHITECTURAL, REFLECTED CEILING PLAN AND 1/2121A FOR NEW CEILING CONDITION.
2. EXISTING GYPSUM TILE IS TO BE DEMOLISHED AND REPLACED. SEE ARCHITECTURAL, REFLECTED CEILING PLAN AND 1/2121A FOR NEW CEILING CONDITION.
3. DISCONNECT, REMOVE, AND PROTECT EXISTING FIRE ALARM SMOKE DETECTOR FOR RE-USE. MAINTAIN AND PROTECT WIRING DURING NEW CEILING INSTALLATION. EXISTING SURFACE MOUNTED RACEWAY MAY REMAIN AS MUCH AS PRACTICAL.
4. DISCONNECT, REMOVE, AND PROTECT EXISTING GYPSUM MOUNT SPEAKER FOR RE-USE. MAINTAIN AND PROTECT WIRING DURING NEW CEILING INSTALLATION. EXISTING SURFACE MOUNTED RACEWAY MAY REMAIN AS MUCH AS PRACTICAL.
5. DEMOLISH EXISTING LIGHT FIXTURE AS NECESSARY FOR RE-USE. MAINTAIN AND PROTECT WIRING DURING NEW CEILING INSTALLATION. EXISTING SURFACE MOUNTED RACEWAY MAY REMAIN AS MUCH AS PRACTICAL. TYPICAL.
6. MAINTAIN AND PROTECT EXISTING SURFACE RACEWAY AND ASSOCIATED WIRING ROUTED ALONG EXISTING CEILING. TYPICAL.
7. INDICATES LOCATIONS WHERE EXISTING SURFACE RACEWAY CONTINUES BEYOND HALLWAY WALL CEILING.
8. NO WORK IN THIS AREA EXCEPT AS MAY BE NECESSARY TO ACCOMMODATE WORK IN ADJACENT AREAS.
9. DISCONNECT, REMOVE AND PROTECT EXISTING EXIT SIGN FOR RE-USE. MAINTAIN AND PROTECT WIRING DURING NEW CEILING INSTALLATION.
10. REMOVE, MAINTAIN AND REINSTALL EXISTING SURFACE RACEWAY AND ASSOCIATED WIRING TO ACCOMMODATE CEILING DEMOLITION. TYPICAL.



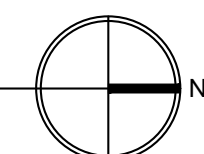
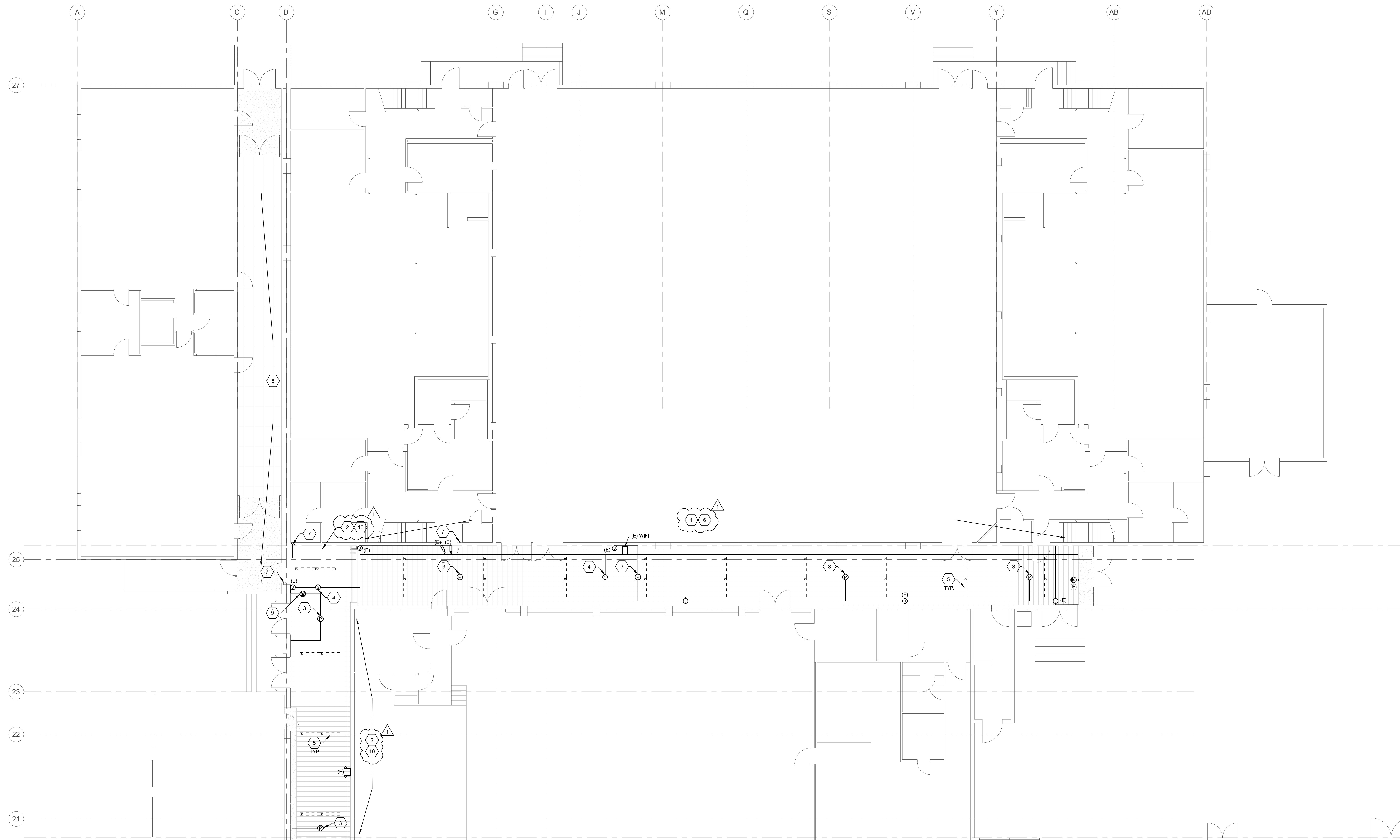
MONTICELLO MIDDLE SCHOOL TENANT IMPROVEMENT
LONGVIEW SCHOOL DISTRICT NO. 122
2715 LILAC STREET, 1225 28TH AVENUE
LONGVIEW, WA 98632

REV #	DATE	DESCRIPTION
1	07/14/23	ADDEN.-01



MKE
MKE & ASSOCIATES, INC.
CONSULTING ENGINEERS
MECHANICAL AND ELECTRICAL SYSTEMS

PERMIT DRAWINGS

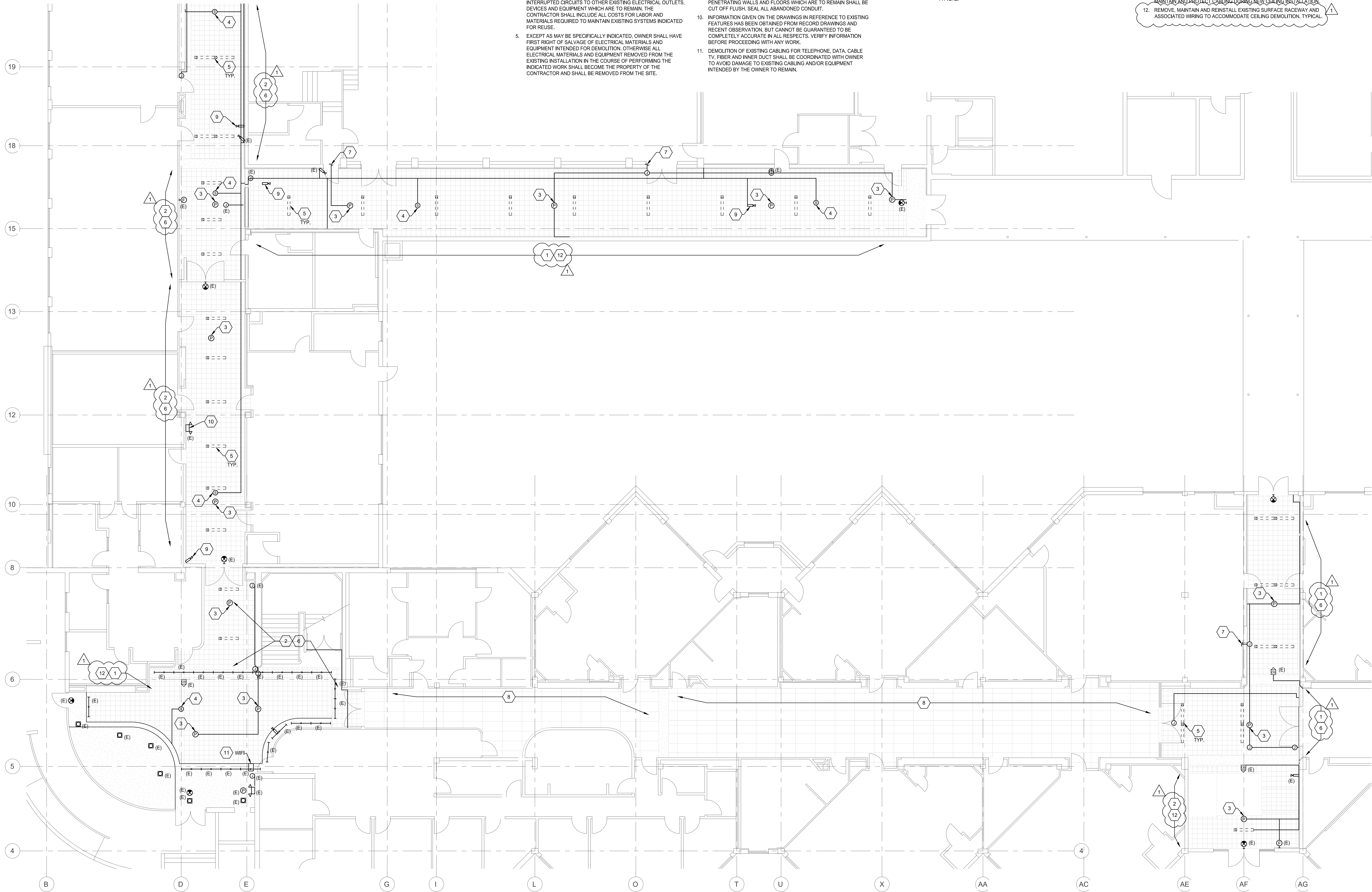


GENERAL NOTES:

- EXISTING WALL MOUNT EMERGENCY EGRESS LIGHT FIXTURES ARE NOT IMPACTED BY THE LIGHTING UPGRADE.
- ELECTRICAL OUTLETS, DEVICES AND EQUIPMENT SHOWN DASHED REPRESENT EXISTING TO BE DEMOLISHED. EXISTING ELECTRICAL OUTLETS, DEVICES AND EQUIPMENT TO REMAIN ARE SHOWN WITH 'E' DESIGNATION OR OTHERWISE SPECIFICALLY NOTED.
- LABOR AND MATERIALS REQUIRED TO CHANGE THE EXISTING ELECTRICAL INSTALLATION AS INDICATED SHALL BE PROVIDED. DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW EXISTING INTERCONNECTING COMPONENTS.
- UNLESS OTHERWISE NOTED, REMOVE EXISTING ELECTRICAL OUTLETS, DEVICES, EQUIPMENT AND ASSOCIATED CONDUITS, CONDUCTORS AND HARDWARE. IN AREAS SCHEDULED FOR DEMOLITION AND AS SHOWN ON DRAWING COORDINATE WITH ARCHITECTURAL DRAWINGS. EXTEND AND RECONNECT ANY INTERRUPTED CIRCUITS TO OTHER EXISTING ELECTRICAL OUTLETS, DEVICES AND EQUIPMENT WHICH ARE TO REMAIN. THE CONTRACTOR SHALL INCLUDE ALL COSTS FOR LABOR AND MATERIALS REQUIRED TO MAINTAIN EXISTING SYSTEMS INDICATED FOR REUSE.
- EXCEPT AS MAY BE SPECIFICALLY INDICATED, OWNER SHALL HAVE FIRST RIGHT OF SALVAGE OF ELECTRICAL MATERIALS AND EQUIPMENT INTENDED FOR DEMOLITION. OTHERWISE ALL ELECTRICAL MATERIALS AND EQUIPMENT REMOVED FROM THE EXISTING INSTALLATION IN THE COURSE OF PERFORMING THE INDICATED WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
- CONTRACTOR SHALL PROVIDE NECESSARY LABOR AND MATERIALS TO MAINTAIN TEMPORARY ELECTRICAL SYSTEMS AS MAY BE REQUIRED BY ARCHITECT OR OWNER IN OPERATION DURING THE CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL CAREFULLY REVIEW THE ARCHITECTS PROJECT CONSTRUCTION PHASE PLAN AND SCHEDULE AND COORDINATE WORK WITHIN THOSE LIMITATIONS. COORDINATE WORK OF DIVISION 26 WITH THAT OF THE OTHER DIVISIONS PRIOR TO ALL ROUGH-IN.
- EXISTING ELECTRICAL SYSTEMS, CONDUIT AND WIRING WHICH ARE NOT TO BE DEMOLISHED SHALL BE PROTECTED FROM DAMAGE DURING THE DEMOLITION AND CONSTRUCTION PHASES.
- ABANDONED WIRING SHALL BE REMOVED COMPLETELY BACK TO THE SOURCE. EXISTING CONDUIT MAY BE REUSED IF PRACTICAL. CAPPING OFF CONDUIT STUBS THAT MAY REMAIN. CONDUIT PENETRATING WALLS AND FLOORS WHICH ARE TO REMAIN SHALL BE CUT OFF FLUSH. SEAL ALL ABANDONED CONDUIT.
- INFORMATION GIVEN ON THE DRAWINGS IN REFERENCE TO EXISTING FEATURES HAS BEEN OBTAINED FROM RECORD DRAWINGS AND RECENT OBSERVATION, BUT CANNOT BE GUARANTEED TO BE COMPLETELY ACCURATE IN ALL RESPECTS. VERIFY INFORMATION BEFORE PROCEEDING WITH ANY WORK.
- DEMOLITION OF EXISTING CABLING FOR TELEPHONE, DATA, CABLE TV, FIBER AND INNER DUCT SHALL BE COORDINATED WITH OWNER TO AVOID DAMAGE TO EXISTING CABLING AND/OR EQUIPMENT INTENDED BY THE OWNER TO REMAIN.

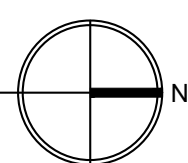
KEYED NOTES: ○

- EXISTING CEILING TO REMAIN. NEW SUSPENDED CEILING TO BE INSTALLED BELOW EXISTING. SEE ARCHITECTURAL REFLECTED CEILING PLAN AND 1/E231B FOR NEW CEILING CONDITION.
- EXISTING CEILING TILES TO BE DEMOLISHED AND REPLACED. SEE ARCHITECTURAL REFLECTED CEILING PLAN AND 1/E231B FOR NEW CEILING CONDITION.
- DISCONNECT, REMOVE, AND PROTECT EXISTING FIRE ALARM SMOKE DETECTOR FOR RE-USE. MAINTAIN AND PROTECT WIRING DURING NEW CEILING INSTALLATION. EXISTING SURFACE MOUNTED RACEWAY MAY REMAIN AS MUCH AS PRACTICAL.
- DISCONNECT, REMOVE, AND PROTECT EXISTING CEILING MOUNT SPEAKER FOR RE-USE. MAINTAIN AND PROTECT WIRING DURING NEW CEILING INSTALLATION. EXISTING SURFACE MOUNTED RACEWAY MAY REMAIN AS MUCH AS PRACTICAL. DISCONNECT, REMOVE AND PROTECT EXISTING LIGHT FIXTURE TO MOVE TO NEW CEILING. MAINTAIN AND PROTECT WIRING DURING NEW CEILING INSTALLATION. EXISTING SURFACE MOUNTED RACEWAY MAY REMAIN AS MUCH AS PRACTICAL. TYPICAL.
- DISCONNECT, REMOVE AND PROTECT EXISTING VIDEO SURVEILLANCE CAMERA FOR RE-USE. MAINTAIN AND PROTECT CABLING DURING NEW CEILING INSTALLATION. EXISTING SURFACE MOUNTED RACEWAY MAY REMAIN AS MUCH AS PRACTICAL.
- DISCONNECT, REMOVE AND PROTECT EXISTING WIFI ENCLOSURE FOR RE-USE. MAINTAIN AND PROTECT CABLING DURING NEW CEILING INSTALLATION.
- REMOVE, MAINTAIN AND REINSTALL EXISTING SURFACE RACEWAY AND ASSOCIATED WIRING TO ACCOMMODATE CEILING DEMOLITION. TYPICAL.
- MAINTAIN AND PROTECT EXISTING SURFACE RACEWAY TO ACCOMMODATE WORK IN ADJACENT AREAS. TYPICAL.
- INDICATES LOCATIONS WHERE EXISTING SURFACE RACEWAY CONTINUES BEYOND HALLWAY WALL/CEILING.
- NO WORK IN THIS AREA EXCEPT AS MAY BE NECESSARY TO ACCOMMODATE WORK IN ADJACENT AREAS.
- DISCONNECT, REMOVE AND PROTECT EXISTING VIDEO SURVEILLANCE CAMERA FOR RE-USE. MAINTAIN AND PROTECT CABLING DURING NEW CEILING INSTALLATION. EXISTING SURFACE MOUNTED RACEWAY MAY REMAIN AS MUCH AS PRACTICAL.
- PROTECT EXISTING EMERGENCY EGRESS LIGHT LOCATED UP TIGHT TO EXISTING CEILING DURING CEILING TILE REPLACEMENT. REMOVE AND REINSTALL AS NECESSARY.
- DISCONNECT, REMOVE AND PROTECT EXISTING WIFI ENCLOSURE FOR RE-USE. MAINTAIN AND PROTECT CABLING DURING NEW CEILING INSTALLATION.
- REMOVE, MAINTAIN AND REINSTALL EXISTING SURFACE RACEWAY AND ASSOCIATED WIRING TO ACCOMMODATE CEILING DEMOLITION. TYPICAL.



1 FIRST FLOOR DEMO PLAN SECTOR B - ELECTRICAL

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



6915 S MACADAM AVE
SUITE 200
PORTLAND, OREGON 97219
CONTACT: MARK GARAND
PHONE: (503) 892-1188
engineering@mke-inc.com
Since 1979



ED231B

PERMIT DRAWINGS

MONTICELLO MIDDLE SCHOOL TENANT IMPROVEMENT

LONGVIEW SCHOOL DISTRICT NO. 122

2715 LILAC STREET, 1225 28TH AVENUE
LONGVIEW, WA 98632

FIRST FLOOR
DEMO PLAN
SECTOR B -
ELECTRICAL

23017

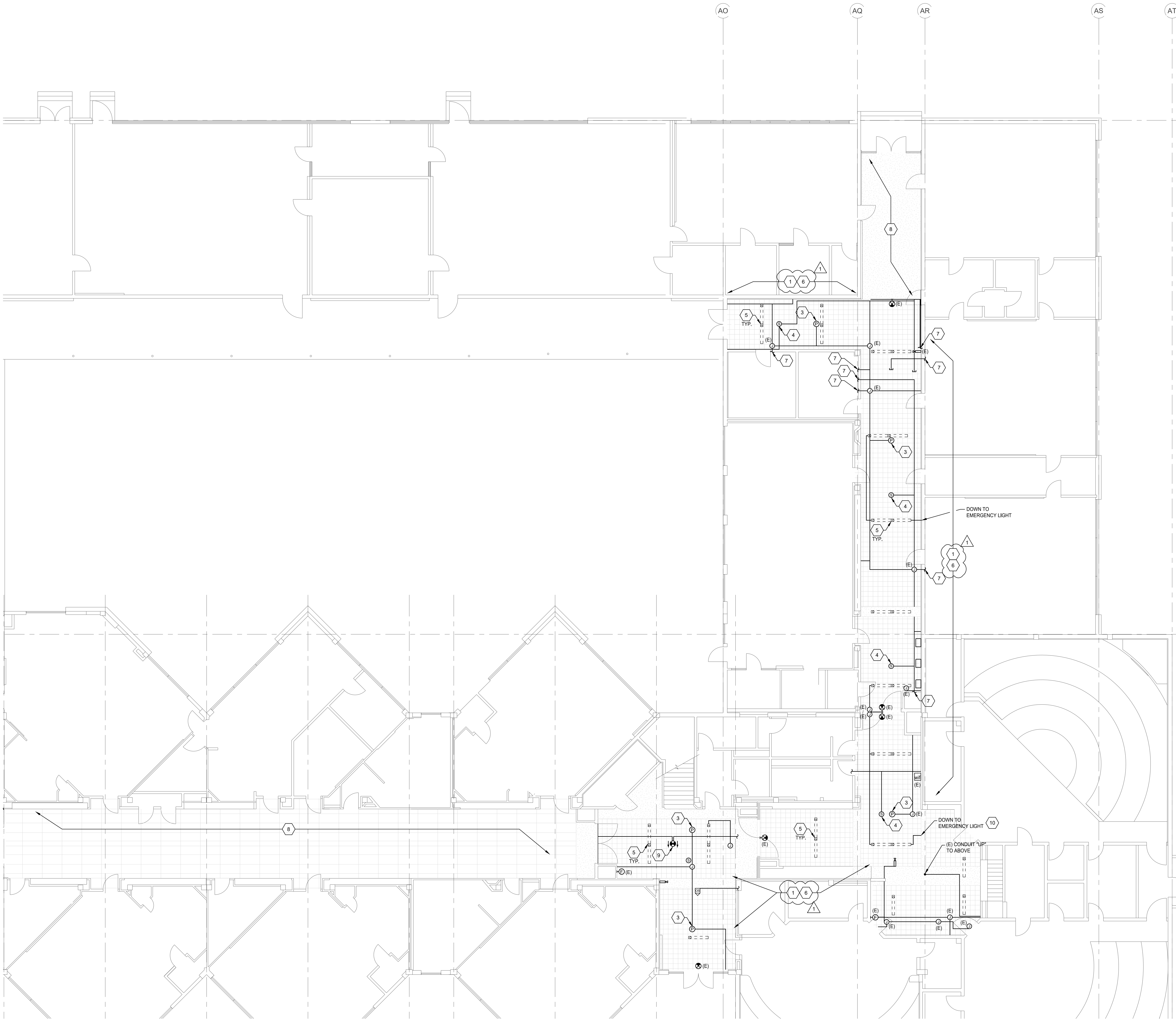
06/22/2023

REV #	DATE	DESCRIPTION
1	07/14/23	ADDEN-01



06/22/2023





GENERAL NOTES:

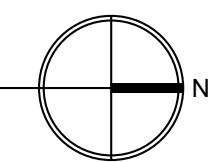
- EXISTING WALL MOUNT EMERGENCY EGRESS LIGHT FIXTURES ARE NOT IMPACTED BY THE LIGHTING UPGRADE.
- ELECTRICAL OUTLETS, DEVICES AND EQUIPMENT SHOWN DASHED REPRESENT EXISTING TO BE DEMOLISHED. EXISTING ELECTRICAL OUTLETS, DEVICES AND EQUIPMENT TO REMAIN ARE SHOWN WITH 'E' DESIGNATION OR OTHERWISE SPECIFICALLY NOTED.
- LABOR AND MATERIALS REQUIRED TO CHANGE THE EXISTING ELECTRICAL INSTALLATION AS INDICATED SHALL BE PROVIDED. DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW EXISTING INTERCONNECTING COMPONENTS.
- UNLESS OTHERWISE NOTED, REMOVE EXISTING ELECTRICAL OUTLETS, DEVICES, EQUIPMENT AND ASSOCIATED CONDUITS, CONDUCTORS AND HARDWARE. IN AREAS SCHEDULED FOR DEMOLITION AND AS SHOWN ON DRAWING COORDINATE WITH ARCHITECTURAL DRAWINGS. EXTEND AND RECONNECT ANY INTERRUPTED CIRCUITS TO OTHER EXISTING ELECTRICAL OUTLETS, DEVICES AND EQUIPMENT WHICH ARE TO REMAIN. THE CONTRACTOR SHALL INCLUDE ALL COSTS FOR LABOR AND MATERIALS REQUIRED TO MAINTAIN EXISTING SYSTEMS INDICATED FOR REUSE.
- EXCEPT AS MAY BE SPECIFICALLY INDICATED, OWNER SHALL HAVE FIRST RIGHT OF SALVAGE OF ELECTRICAL MATERIALS AND EQUIPMENT INTENDED FOR DEMOLITION. OTHERWISE ALL ELECTRICAL MATERIALS AND EQUIPMENT REMOVED FROM THE EXISTING INSTALLATION IN THE COURSE OF PERFORMING THE INDICATED WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
- CONTRACTOR SHALL PROVIDE NECESSARY LABOR AND MATERIALS TO MAINTAIN TEMPORARY ELECTRICAL SYSTEMS AS MAY BE REQUIRED BY ARCHITECT OR OWNER IN OPERATION DURING THE CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL CAREFULLY REVIEW THE ARCHITECT'S PROJECT CONSTRUCTION PHASE PLAN AND SCHEDULE AND COORDINATE WORK WITHIN THOSE LIMITATIONS. COORDINATE WORK OF DIVISION 26 WITH THAT OF THE OTHER DIVISIONS PRIOR TO ALL ROUGH-IN.
- EXISTING ELECTRICAL SYSTEMS, CONDUIT AND WIRING WHICH ARE NOT TO BE DEMOLISHED SHALL BE PROTECTED FROM DAMAGE DURING THE DEMOLITION AND CONSTRUCTION PHASES.
- ABANDONED WIRING SHALL BE REMOVED COMPLETELY BACK TO THE SOURCE. EXISTING CONDUIT MAY BE REUSED IF PRACTICAL, CAPPING OFF CONDUIT STUBS THAT MAY REMAIN. CONDUIT PENETRATING WALLS AND FLOORS WHICH ARE TO REMAIN SHALL BE CUT OFF FLUSH. SEAL ALL ABANDONED CONDUIT.
- INFORMATION GIVEN ON THE DRAWINGS IN REFERENCE TO EXISTING FEATURES HAS BEEN OBTAINED FROM RECORD DRAWINGS AND RECENT OBSERVATION. BUT CANNOT BE GUARANTEED TO BE COMPLETELY ACCURATE IN ALL RESPECTS. VERIFY INFORMATION BEFORE PROCEEDING WITH ANY WORK.
- DEMOLITION OF EXISTING CABLING FOR TELEPHONE, DATA, CABLE TV, FIBER AND INNER DUCT SHALL BE COORDINATED WITH OWNER TO AVOID DAMAGE TO EXISTING CABLING AND/OR EQUIPMENT INTENDED BY THE OWNER TO REMAIN.

KEYED NOTES:

- EXISTING CEILING TO REMAIN. NEW SUSPENDED CEILING TO BE INSTALLED BELOW EXISTING. SEE ARCHITECTURAL REFLECTED CEILING PLAN AND 1/E231C FOR NEW CEILING CONDITION.
- EXISTING CEILING TILES TO BE DEMOLISHED AND REPLACED. SEE ARCHITECTURAL REFLECTED CEILING PLAN AND 1/E231C FOR NEW CEILING CONDITION.
- DISCONNECT, REMOVE, AND PROTECT EXISTING FIRE ALARM SMOKE DETECTOR FOR RE-USE. MAINTAIN AND PROTECT WIRING DURING NEW CEILING INSTALLATION. EXISTING SURFACE MOUNTED RACEWAY MAY REMAIN AS MUCH AS PRACTICAL.
- DISCONNECT, REMOVE, AND PROTECT EXISTING CEILING MOUNT SPEAKER FOR RE-USE. MAINTAIN AND PROTECT WIRING DURING NEW CEILING INSTALLATION. EXISTING SURFACE MOUNTED RACEWAY MAY REMAIN AS MUCH AS PRACTICAL.
- DISCONNECT, REMOVE AND PROTECT EXISTING LIGHT FIXTURE TO MOVE TO NEW CEILING. MAINTAIN AND PROTECT WIRING DURING NEW CEILING INSTALLATION. EXISTING SURFACE MOUNTED RACEWAY MAY REMAIN AS MUCH AS PRACTICAL. TYPICAL.
- MAINTAIN AND PROTECT EXISTING SURFACE RACEWAY AND ASSOCIATED WIRING ROUTED ALONG EXISTING CEILING. TYPICAL.
- INDICATES LOCATIONS WHERE EXISTING SURFACE RACEWAY CONTINUES BEYOND HALLWAY WALL/CEILING.
- NO WORK IN THIS AREA EXCEPT AS MAY BE NECESSARY TO ACCOMMODATE WORK IN ADJACENT AREAS.
- DISCONNECT, REMOVE AND PROTECT EXISTING EXIT SIGN FOR RE-USE. MAINTAIN AND PROTECT WIRING DURING NEW CEILING INSTALLATION.
- MAINTAIN RACEWAY AND CIRCUITING TO EXISTING EMERGENCY EGRESS LIGHT MOUNTED ON SOFFIT WALL (NOT SHOWN).

1 FIRST FLOOR DEMO PLAN SECTOR C - ELECTRICAL

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



6915 S MACADAM AVE
SUITE 200
PORTLAND, OREGON 97219
CONTACT: MARK GARAND
PHONE: (503) 892-1188
engineering@mke-inc.com
Since 1979



ED231C

PERMIT DRAWINGS

**FIRST FLOOR
DEMO PLAN
SECTOR C -
ELECTRICAL**

23017

06/22/2023

REV #	DATE	DESCRIPTION
1	07/14/23	ADDEN-01

MONTICELLO MIDDLE SCHOOL TENANT IMPROVEMENT

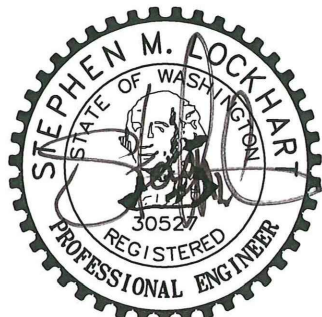
LONGVIEW SCHOOL DISTRICT NO. 122

2715 LILAC STREET, 1225 28TH AVENUE
LONGVIEW, WA 98632

JW

Johansson
Wing
Architects

821 SE 14th Loop, Suite 109
PO Box 788
Battle Ground, WA 98604
Ph: 360-687-8379
www.johanssonwing.com



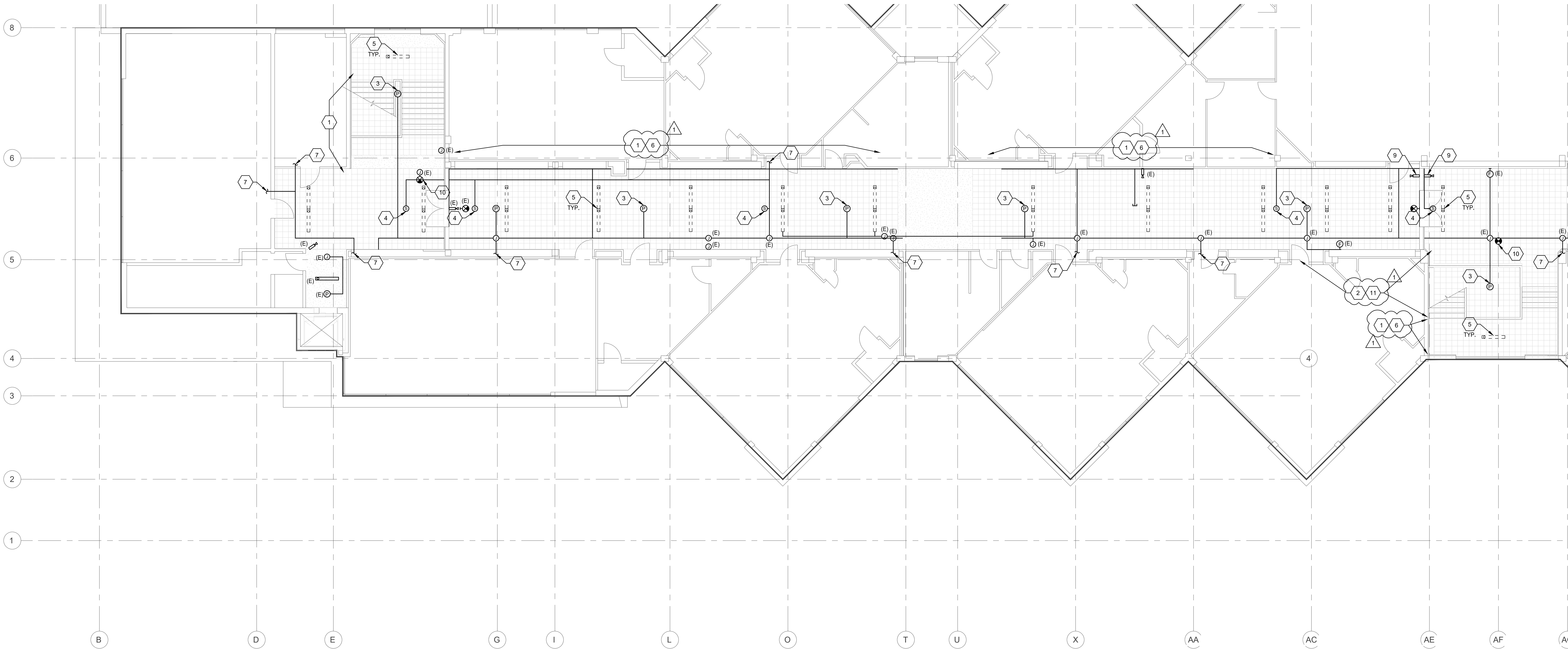
06/22/2023

GENERAL NOTES:

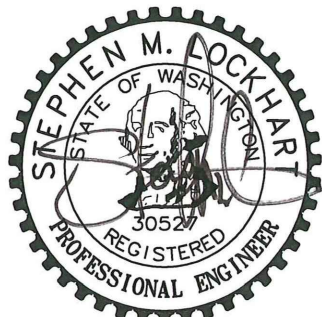
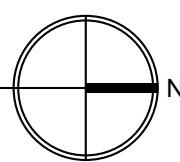
- EXISTING WALL MOUNT EMERGENCY EGRESS LIGHT FIXTURES ARE NOT IMPACTED BY THE LIGHTING UPGRADE.
- ELECTRICAL OUTLETS, DEVICES AND EQUIPMENT SHOWN DASHED REPRESENT EXISTING TO BE DEMOLISHED. EXISTING ELECTRICAL OUTLETS, DEVICES AND EQUIPMENT TO REMAIN ARE SHOWN WITH 'E' DESIGNATION OR OTHERWISE SPECIFICALLY NOTED.
- LABOR AND MATERIALS REQUIRED TO CHANGE THE EXISTING ELECTRICAL INSTALLATION AS INDICATED SHALL BE PROVIDED. DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW EXISTING INTERCONNECTING COMPONENTS.
- UNLESS OTHERWISE NOTED, REMOVE EXISTING ELECTRICAL OUTLETS, DEVICES, EQUIPMENT AND ASSOCIATED CONDUITS, CONDUCTORS AND HARDWARE, IN AREAS SCHEDULED FOR DEMOLITION AND AS SHOWN ON DRAWING COORDINATE WITH ARCHITECTURAL DRAWINGS. EXTEND AND RECONNECT ANY INTERRUPTED CIRCUITS TO OTHER EXISTING ELECTRICAL OUTLETS, DEVICES AND EQUIPMENT WHICH ARE TO REMAIN. THE CONTRACTOR SHALL INCLUDE ALL COSTS FOR LABOR AND MATERIALS REQUIRED TO MAINTAIN EXISTING SYSTEMS INDICATED FOR REUSE.
- EXCEPT AS MAY BE SPECIFICALLY INDICATED, OWNER SHALL HAVE FIRST RIGHT OF SALVAGE OF ELECTRICAL MATERIALS AND EQUIPMENT INTENDED FOR DEMOLITION, OTHERWISE ALL ELECTRICAL MATERIALS AND EQUIPMENT REMOVED FROM THE EXISTING INSTALLATION IN THE COURSE OF PERFORMING THE INDICATED WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
- CONTRACTOR SHALL PROVIDE NECESSARY LABOR AND MATERIALS TO MAINTAIN TEMPORARY ELECTRICAL SYSTEMS AS MAY BE REQUIRED BY ARCHITECT OR OWNER IN OPERATION DURING THE CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL CAREFULLY REVIEW THE ARCHITECT'S PROJECT CONSTRUCTION PHASE PLAN AND SCHEDULE AND COORDINATE WORK WITHIN THOSE LIMITATIONS. COORDINATE WORK OF DIVISION 28 WITH THAT OF THE OTHER DIVISIONS PRIOR TO ALL ROUGH-IN.
- EXISTING ELECTRICAL SYSTEMS, CONDUIT AND WIRING WHICH ARE NOT TO BE DEMOLISHED SHALL BE PROTECTED FROM DAMAGE DURING THE DEMOLITION AND CONSTRUCTION PHASES.
- ABANDONED WIRING SHALL BE REMOVED COMPLETELY BACK TO THE SOURCE. EXISTING CONDUIT MAY BE REUSED IF PRACTICAL, CAPPING OFF CONDUIT STUBS THAT MAY REMAIN. CONDUIT PENETRATING WALLS AND FLOORS WHICH ARE TO REMAIN SHALL BE CUT OFF FLUSH. SEAL ALL ABANDONED CONDUIT.
- INFORMATION GIVEN ON THE DRAWINGS IN REFERENCE TO EXISTING FEATURES HAS BEEN OBTAINED FROM RECORD DRAWINGS AND RECENT OBSERVATION, BUT CANNOT BE GUARANTEED TO BE COMPLETELY ACCURATE IN ALL RESPECTS. VERIFY INFORMATION BEFORE PROCEEDING WITH ANY WORK.
- DEMOLITION OF EXISTING CABLING FOR TELEPHONE, DATA, CABLE TV, FIBER AND INNER DUCT SHALL BE COORDINATED WITH OWNER TO AVOID DAMAGE TO EXISTING CABLING AND/OR EQUIPMENT INTENDED BY THE OWNER TO REMAIN.

KEYED NOTES:

- EXISTING CEILING TO REMAIN. NEW SUSPENDED CEILING TO BE INSTALLED BELOW EXISTING. SEE ARCHITECTURAL REFLECTED CEILING PLAN AND 1/E231A FOR NEW CEILING CONDITION.
- EXISTING CEILING TILES TO BE DEMOLISHED AND REPLACED. SEE ARCHITECTURAL REFLECTED CEILING PLAN AND 1/E231A FOR NEW CEILING CONDITION.
- DISCONNECT, REMOVE, AND PROTECT EXISTING FIRE ALARM SMOKE DETECTOR FOR RE-USE. MAINTAIN AND PROTECT WIRING DURING NEW CEILING INSTALLATION. EXISTING SURFACE MOUNTED RACEWAY MAY REMAIN AS MUCH AS PRACTICAL.
- DISCONNECT, REMOVE, AND PROTECT EXISTING CEILING MOUNT SPEAKER FOR RE-USE. MAINTAIN AND PROTECT WIRING DURING NEW CEILING INSTALLATION. EXISTING SURFACE MOUNTED RACEWAY MAY REMAIN AS MUCH AS PRACTICAL.
- DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE. MAINTAIN AND PROTECT WIRING DURING NEW CEILING INSTALLATION. EXISTING SURFACE MOUNTED RACEWAY MAY REMAIN AS MUCH AS PRACTICAL. TYPICAL.
- MAINTAIN AND PROTECT EXISTING SURFACE RACEWAY AND ASSOCIATED WIRING ROUTED ALONG EXISTING CEILING. TYPICAL.
- INDICATES LOCATIONS WHERE EXISTING SURFACE RACEWAY CONTINUES BEYOND HALLWAY WALL/CEILING.
- NO WORK IN THIS AREA EXCEPT AS MAY BE NECESSARY TO ACCOMMODATE WORK IN ADJACENT AREAS.
- DISCONNECT, REMOVE AND PROTECT EXISTING VIDEO SURVEILLANCE CAMERA FOR RE-USE. MAINTAIN AND PROTECT CABLING DURING NEW CEILING INSTALLATION.
- DISCONNECT, REMOVE AND PROTECT EXISTING EXIT SIGN FOR RE-USE. MAINTAIN AND PROTECT WIRING DURING NEW CEILING INSTALLATION.
- REMOVE, MAINTAIN AND REINSTALL EXISTING SURFACE RACEWAY AND ASSOCIATED WIRING TO ACCOMMODATE CEILING DEMOLITION. TYPICAL.



1 SECOND FLOOR DEMO PLAN SECTOR B - ELECTRICAL
SCALE: 1/8" = 1'-0"



06/22/2023

MONTICELLO MIDDLE SCHOOL TENANT IMPROVEMENT
LONGVIEW SCHOOL DISTRICT NO. 122
2715 LILAC STREET, 1225 28TH AVENUE
LONGVIEW, WA 98632

SECOND FLOOR
DEMO PLAN
SECTOR B -
ELECTRICAL

23017

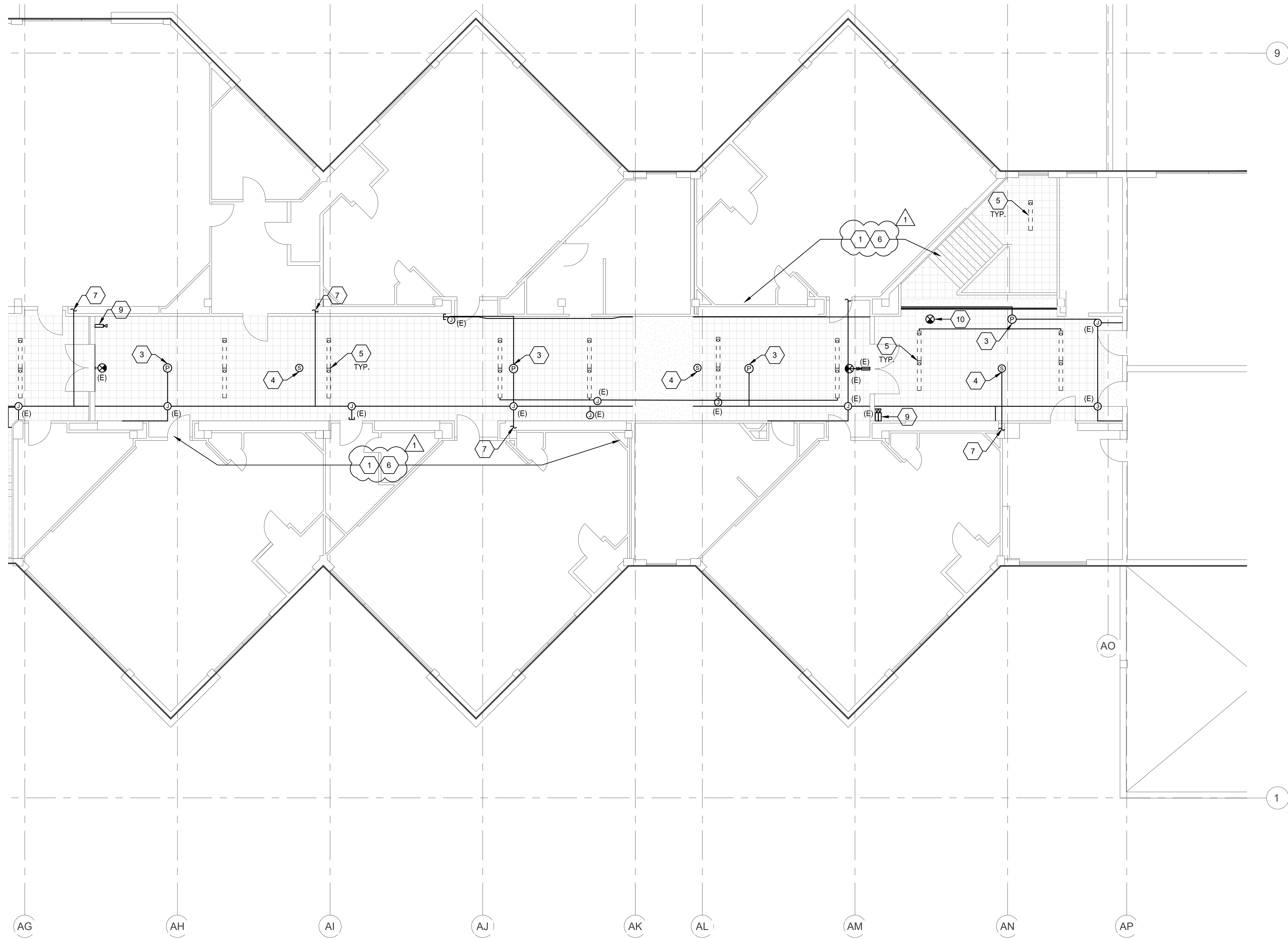
06/22/2023

REV #	DATE	DESCRIPTION
1	07/14/23	ADDEN.-01

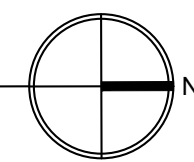


06/22/2023

MONTICELLO MIDDLE SCHOOL TENANT IMPROVEMENT
LONGVIEW SCHOOL DISTRICT NO. 122
2715 LILAC STREET, 1225 28TH AVENUE
LONGVIEW, WA 98632



1 SECOND FLOOR DEMO PLAN SECTOR C - ELECTRICAL
SCALE: 1/8" = 1'-0"
0' 4' 8' 16'



GENERAL NOTES:

- EXISTING WALL MOUNT EMERGENCY EGRESS LIGHT FIXTURES ARE NOT IMPACTED BY THE LIGHTING UPGRADE.
- ELECTRICAL OUTLETS, DEVICES AND EQUIPMENT SHOWN DASHED REPRESENT EXISTING TO BE DEMOLISHED. EXISTING ELECTRICAL OUTLETS, DEVICES AND EQUIPMENT TO REMAIN ARE SHOWN WITH '1E' DESIGNATION OR OTHERWISE SPECIFICALLY NOTED.
- LABOR AND MATERIALS REQUIRED TO CHANGE THE EXISTING ELECTRICAL INSTALLATION AS INDICATED SHALL BE PROVIDED. DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW EXISTING INTERCONNECTING COMPONENTS.
- UNLESS OTHERWISE NOTED, REMOVE EXISTING ELECTRICAL OUTLETS, DEVICES, EQUIPMENT AND ASSOCIATED CONDUITS, CONDUCTORS AND HARDWARE IN AREAS SCHEDULED FOR DEMOLITION AND AS SHOWN ON DRAWING COORDINATE WITH ARCHITECTURAL DRAWINGS. EXTEND AND RECONNECT ANY INTERRUPTED CIRCUITS TO OTHER EXISTING ELECTRICAL OUTLETS, DEVICES AND EQUIPMENT WHICH ARE TO REMAIN. THE CONTRACTOR SHALL INCLUDE ALL COSTS FOR LABOR AND MATERIALS REQUIRED TO MAINTAIN EXISTING SYSTEMS INDICATED FOR REUSE.
- EXCEPT AS MAY BE SPECIFICALLY INDICATED, OWNER SHALL HAVE FIRST RIGHT OF SALVAGE OF ELECTRICAL MATERIALS AND EQUIPMENT INTENDED FOR DEMOLITION. OTHERWISE ALL ELECTRICAL MATERIALS AND EQUIPMENT REMOVED FROM THE EXISTING INSTALLATION IN THE COURSE OF PERFORMING THE INDICATED WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
- CONTRACTOR SHALL PROVIDE NECESSARY LABOR AND MATERIALS TO MAINTAIN TEMPORARY ELECTRICAL SYSTEMS AS MAY BE REQUIRED BY ARCHITECT OR OWNER IN OPERATION DURING THE CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL CAREFULLY REVIEW THE ARCHITECTS PROJECT CONSTRUCTION PHASE PLAN AND SCHEDULE AND COORDINATE WORK WITHIN THOSE LIMITATIONS. COORDINATE WORK OF DIVISION 26 WITH THAT OF THE OTHER DIVISIONS PRIOR TO ALL ROUGH-IN.
- EXISTING ELECTRICAL SYSTEMS, CONDUIT AND WIRING WHICH ARE NOT TO BE DEMOLISHED SHALL BE PROTECTED FROM DAMAGE DURING THE DEMOLITION AND CONSTRUCTION PHASES.
- ABANDONED WIRING SHALL BE REMOVED COMPLETELY BACK TO THE SOURCE. EXISTING CONDUIT MAY BE REUSED IF PRACTICAL. CAPPING OFF CONDUIT STUBS THAT MAY REMAIN. CONDUIT PENETRATING WALLS AND FLOORS WHICH ARE TO REMAIN SHALL BE CUT OFF FLUSH. SEAL ALL ABANDONED CONDUIT.
- INFORMATION GIVEN ON THE DRAWINGS IN REFERENCE TO EXISTING FEATURES HAS BEEN OBTAINED FROM RECORD DRAWINGS AND RECENT OBSERVATION. BUT CANNOT BE GUARANTEED TO BE COMPLETELY ACCURATE IN ALL RESPECTS. VERIFY INFORMATION BEFORE PROCEEDING WITH ANY WORK.
- DEMOLITION OF EXISTING CABLING FOR TELEPHONE, DATA, CABLE TV, FIBER AND INNER DUCT SHALL BE COORDINATED WITH OWNER TO AVOID DAMAGE TO EXISTING CABLING AND/OR EQUIPMENT INTENDED BY THE OWNER TO REMAIN.

KEYED NOTES:

- EXISTING CEILING TO REMAIN. NEW SUSPENDED CEILING TO BE INSTALLED BELOW EXISTING. SEE ARCHITECTURAL REFLECTED CEILING PLAN AND 1/E231A FOR NEW CEILING CONDITION.
- EXISTING CEILING TILES TO BE DEMOLISHED AND REPLACED. SEE ARCHITECTURAL REFLECTED CEILING PLAN AND 1/E231A FOR NEW CEILING CONDITION.
- DISCONNECT, REMOVE, AND PROTECT EXISTING FIRE ALARM SMOKE DETECTOR FOR RE-USE. MAINTAIN AND PROTECT WIRING DURING NEW CEILING INSTALLATION. EXISTING SURFACE MOUNTED RACEWAY MAY REMAIN AS MUCH AS PRACTICAL.
- DISCONNECT, REMOVE, AND PROTECT EXISTING CEILING MOUNT SPEAKER FOR RE-USE. MAINTAIN AND PROTECT WIRING DURING NEW CEILING INSTALLATION. EXISTING SURFACE MOUNTED RACEWAY MAY REMAIN AS MUCH AS PRACTICAL.
- DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE. MAINTAIN AND PROTECT WIRING DURING NEW CEILING INSTALLATION. EXISTING SURFACE MOUNTED RACEWAY MAY REMAIN AS MUCH AS PRACTICAL. TYPICAL.
- MAINTAIN AND PROTECT EXISTING SURFACE RACEWAY AND ASSOCIATED WIRING ROUTED ALONG EXISTING CEILING. TYPICAL.
- INDICATES LOCATIONS WHERE EXISTING SURFACE RACEWAY CONTINUES BEYOND HALLWAY WALL/CEILING.
- NO WORK IN THIS AREA EXCEPT AS MAY BE NECESSARY TO ACCOMMODATE WORK IN ADJACENT AREAS.
- DISCONNECT, REMOVE AND PROTECT EXISTING VIDEO SURVEILLANCE CAMERA FOR RE-USE. MAINTAIN AND PROTECT WIRING DURING NEW CEILING INSTALLATION.
- DISCONNECT, REMOVE AND PROTECT EXISTING EXIT SIGN FOR RE-USE. MAINTAIN AND PROTECT WIRING DURING NEW CEILING INSTALLATION.

**SECOND FLOOR
DEMO PLAN
SECTOR C -
ELECTRICAL**

23017

06/22/2023

REV #	DATE	DESCRIPTION
1	07/14/23	ADDEN.-01

6915 S MACADAM AVE
SUITE 200
PORTLAND, OREGON 97219
CONTACT: MARK GARAND
PHONE: (503) 892-1188
engineering@mke-inc.com
Since 1979



ED232C

PERMIT DRAWINGS