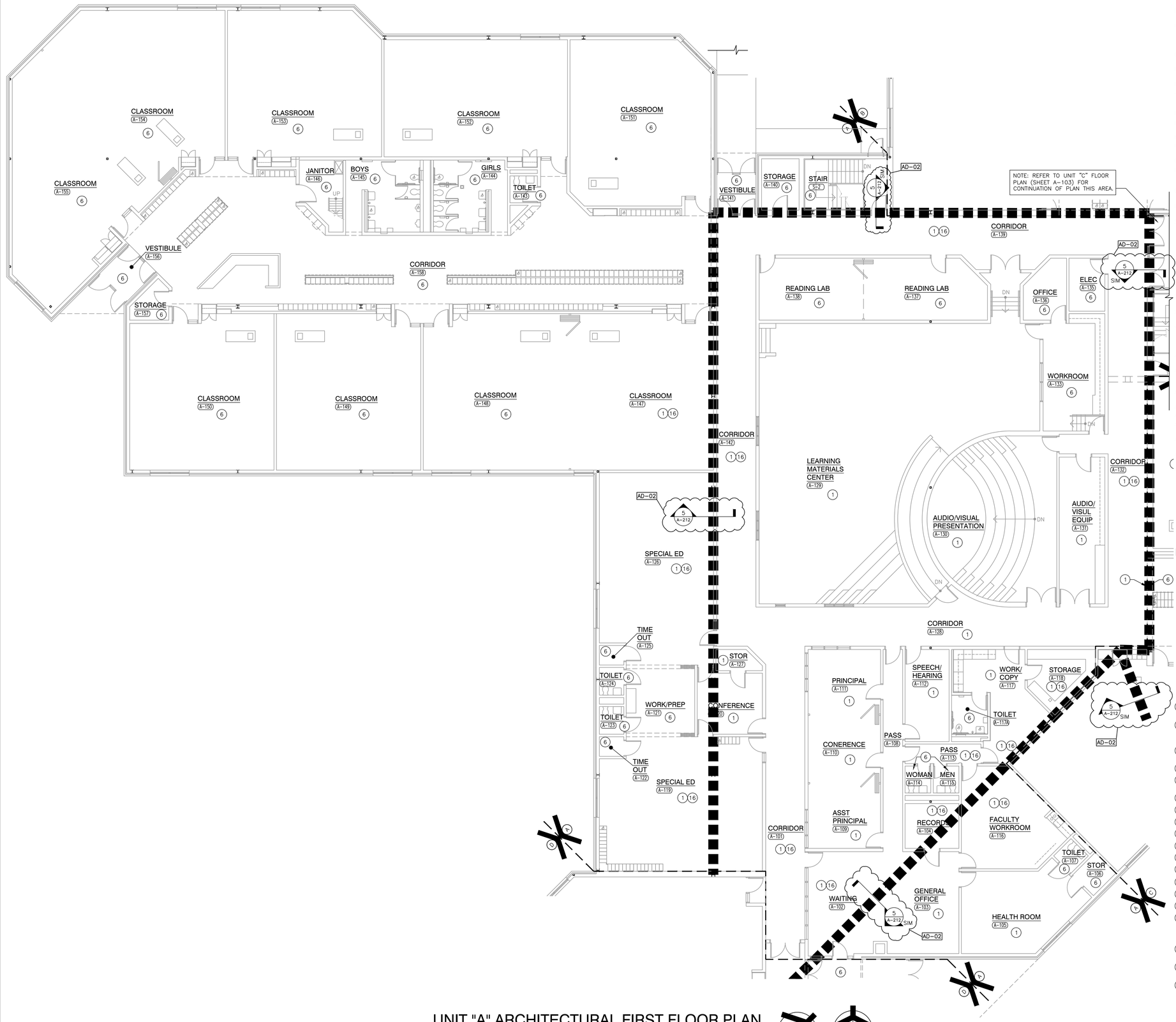


UNIT "A" ARCHITECTURAL FIRST FLOOR PLAN

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

TRUE NORTH

PLAN NORTH

GENERAL PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REF G-SERIES SHEETS.

B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD.

C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED TO NOT HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.

D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT FLOOR LINE.

E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REF SITE PLAN FOR CORRELATION TO USGS DATUM.

F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AND HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OR DEPICTED GRAPHICALLY OTHERWISE.

G. PROVIDE TREATED WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) AS REQUIRED WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.

H. ALL FLOOR PENETRATIONS FROM ONE OCCUPIED VOLUME TO ANOTHER SHALL BE FIRE SEALED INCLUDING ALL MECHANICAL MEZZANINES

I. INTERIOR CMU WALLS TO BE STACKED BOND UNLESS NOTED OTHERWISE.

J. WHERE NEW CMU WALLS INTERSECT EXISTING CMU WALLS AT A CORNER OR ARE ALIGNED WITH EXISTING CMU WALLS, TOOTH NEW CMU INTO EXISTING CMU UNLESS NOTED OTHERWISE.

K. REF FINISH PLANS FOR LOCATION & EXTENT OF FINISH FLOOR AND WALL MATERIAL.

L. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

M. REF DEMOLITION SHEETS FOR ADDITIONAL PATCH AND REPAIR WORK.

N. REFER TO SPECIFICATIONS AND FINISH LEGEND FOR ADDITIONAL INFORMATION.

O. FIELD VERIFY ALL DIMENSIONS.

P. CASEWORK AND/OR MILLWORK INSTALLER TO COORDINATE ELECTRICAL AND PLUMBING WORK. REFER TO ELECTRICAL DRAWINGS AND SCHEDULES FOR ELECTRICAL DEVICE TYPES, HEIGHTS, AND LOCATIONS.

Q. ALL CASEWORK EXPOSED SURFACES SHALL BE PLASTIC-LAMINATE OR SOLID SURFACE WHERE INDICATED. INTERIOR SURFACES SHALL BE WHITE MELAMINE.

R. ALL CASEWORK AND/OR MILLWORK DOORS AND DRAWERS SHALL BE LOCKABLE AND KEYED PER AREA.

S. CASEWORK AND/OR MILLWORK INSTALLER SHALL PROVIDE ALL FILLERS AND SCRIBES AS REQUIRED FOR A COMPLETE AND FINISHED INSTALLATION.

T. FILLER PANELS, TRIM AND MOLDINGS PROVIDED SHALL BE CONTINUOUS AS NECESSARY TO MAKE CASEWORK AND/OR MILLWORK CONTINUOUS TO ADJACENT PARTITION, CEILING AND/OR BULKHEAD.

U. WHERE CASEWORK AND/OR MILLWORK REQUIRES SHIMMING, ONLY APPROVED METAL SHIMS SHALL BE USED.

V. PROVIDE 4" HIGH VINYL COVE BASE AT ALL CASEWORK AND/OR MILLWORK TOE SPACE AREAS AND AT EXPOSED SURFACES AND SIDES OF CABINETS ADJACENT TO TOE SPACES.

W. PROVIDE SEALANT JOINT AT ALL JUNCTIONS OF CASEWORK AND/OR MILLWORK / COUNTERTOPS WITH ADJACENT WALLS.

X. ALL SINKS SHALL BE MOUNTED TO COUNTERTOP AND PROVIDED WITH SINK MANUFACTURER'S STANDARD STRAINER AND TAILPIECE BY CONTRACTOR.

Y. ALL FAUCETS SHALL BE FURNISHED BY THE CASEWORK AND/OR MILLWORK INSTALLER AND INSTALLED BY PLUMBING CONTRACTOR. ALL ELECTRICAL ITEMS ARE BY THE ELECTRICAL CONTRACTOR. VERIFY AND COORDINATE LOCATIONS WITH CASEWORK CONTRACTOR.

Z. ALL FAUCETS SHALL HAVE A.D.A. COMPLIANT LEVER HANDLES AT ACCESSIBLE STATIONS.

AA. ALL CUTTING AND DRILLING OF CASEWORK AND AND/OR MILLWORK AS REQUIRED FOR INSTALLATION OF PIPING OR CONDUIT SHALL BE BY THE CASEWORK AND/OR MILLWORK INSTALLER RESPECTIVELY.

AB. CASEWORK CABINETS LOCATED IN FRONT OF A PLUMBING CHASE SHALL HAVE REMOVABLE BACKS.

AC. ALL ADJOINING CASEWORK CABINETS SHALL BE ALIGNED.

AD. ALL PLASTIC LAMINATE COUNTERTOPS TO HAVE 3MM EDGE.

AE. ALL CASEWORK WALL AND FULL HEIGHT CABINETS TO RECEIVE PLASTIC LAMINATE SLOPPED TOPS.

AF. ALL COUNTERTOPS TO HAVE CONTINUOUS 4" HIGH BACKSPLASHES AND ENDSPLASHES UNLESS NOTED OTHERWISE.

AG. ALL WALL-MOUNTED CASEWORK SHALL BE MOUNTED WITH THE TOP AT 7'-0" AFF UNLESS OTHERWISE NOTED.

AH. REFER TO G-301 FOR MOUNTING HEIGHTS.

PLAN LEGEND:

INDICATES MISCELLANEOUS CASEWORK ELEVATION SYMBOL. REF A-720 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.

INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REF A-600 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.

INDICATES WALL TYPE. REF G-301 FOR WALL THICKNESS, HEIGHT, & COMPOSITION.

X'-X" INDICATES CEILING/BULKHEAD HEIGHT ABOVE FINISHED FLOOR.

------- INDICATES ITEMS TO BE PART OF LOOSE EQUIPMENT PACKAGE BY OWNER. (NOT INCLUDED IN CONSTRUCTION CONTRACT)

---- INDICATES BULKHEADS OR OTHER OVERHEAD ITEMS (INCLUDED IN CONSTRUCTION CONTRACTS).

(TB) INDICATES 4" HIGH TACK BOARD LENGTH AS INDICATED, REFER TO MOUNTING HEIGHT DRAWING.

(MB) INDICATES 4' HIGH MARKER BOARD LENGTH AS INDICATED, REFER TO MOUNTING HEIGHT DRAWING.

(RS) INDICATES ROLLER SHADE.

GENERAL OUTLINE OF EXISTING ROOF STRUCTURE ABOVE TO BE INSULATED.

PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

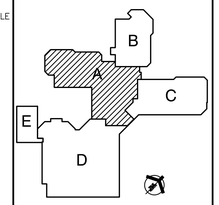
1. AREA TO RECEIVE NEW CONSTRUCTION AT AND ABOVE CEILING. REF FINISH PLANS AND MEP DRAWINGS FOR ADDITIONAL INFORMATION.
2. PATCH & REPAIR EXISTING CONCRETE SLAB/STOOP CONSTRUCTION TO REPAIR EXISTING DOOR/THRESHOLD CONDITION. MODIFY DOOR & HARDWARE CONSTRUCTION FOR PROPER FUNCTION. REF DOOR SCHEDULE & DETAILS.
3. REINSTALL EXISTING ASSEMBLIES MODIFIED/REMOVED AS A PART OF NEW CONSTRUCTION. REPAIR AS REQD. TO RETURN TO LIKE NEW CONDITIONS.
4. NEW FLOOR FINISHES PREP EXISTING AS REQD. REF FINISHES PLANS.
5. EXISTING WALK TO REMAIN. COORDINATE WORK OCCURRING AS A PART OF ADJACENT DOOR CONSTRUCTION.
6. EXISTING CONSTRUCTION TO REMAIN. NO WORK THIS AREA.
7. SMARTBOARD AND PROJECTOR, BY OWNER.
8. RETAINING WALL – REFER TO CIVIL AND STRUCTURAL DRAWINGS.
9. SINK, REFER TO PLUMBING
10. INFILL EXISTING WINDOW OPENING. SEE DETAIL 21/A-501
11. SEMI-RECESSED FIRE EXTINGUISHER CABINET. 15/A-501
12. ALIGN FACE OF MASONRY ACROSS CORRIDOR.
13. 3/4" SEALANT EXPANSION JOINT.
14. COORDINATE WITH MEP SCOPE IN THIS AREA.
15. ROOF ACCESS LADDER.
16. LOCATION OF EXISTING STRUCTURAL STEEL ABOVE AT ROOF TRANSITIONS TO BE INSULATED W/ SPRAY FOAM COMPLETE. OVERLAP DECK AND EXISTING BUILDING STRUCTURE 2'-0" EACH SIDE 4" MIN THICK. WHERE STRUCTURAL STEEL IS DIVIDED BY ROOM OR SPACE, EACH SIDE OF MEMBER IS COVERED.
17. CONTINUOUS WATERPROOFING MEMBRANE – REFER TO STRUCTURAL AND CIVIL FOR FOUNDATION DRAIN.
18. 12X12X48 METAL LOCKERS WITH TRIM AND FILLER PANELS. PROVIDE ACCESSIBLE LOCKERS AS INDICATED. 18/A-501
19. ADJUST WALL LOCATION TO ROOM SIDE TO ACCOUNT FOR LOCKERS FOR PROPER FITMENT. PROVIDE SHIMS AS REQUIRED.

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK

UNION NORTH UNITED SCHOOL CORPORATION
12645 TYLER RD
LAKEVILLE, IN 46536



FIRST FLOOR KEYPLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-128
DATE 08/24/20
COORDINATED BY TA
DRAWN BY PCD
CHECKED BY TA

DALE J. WAGNER REGISTERED NO. 19600171 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-02	09/15/20	ADDENDUM NO. 2

DRAWING

UNIT "A" ARCHITECTURAL FIRST FLOOR PLAN

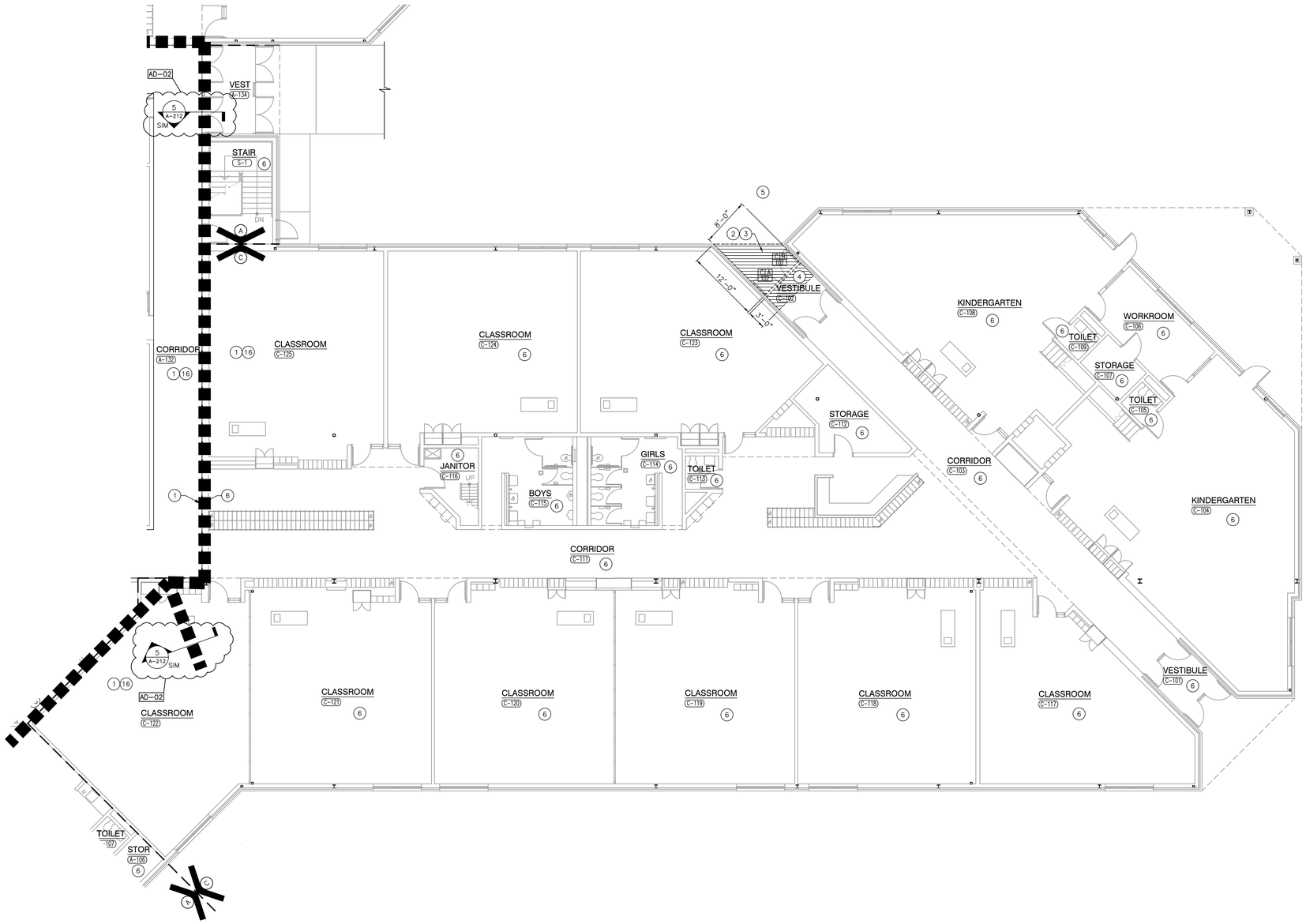
PROJECT

LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS

© GIBRALTAR DESIGN

SHEET A-101

Tuesday, 9/15/2020 – 9:15 AM – LAST SAVED BY:TALLEN
Y:\20-128 UNION-NORTH LAVILLE ES – 2020 IMPROVEMENTS\20-128 DRAWINGS\05 ARCH\A-101.DWG



UNIT "C" ARCHITECTURAL FIRST FLOOR PLAN

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

TRUE NORTH

PLAN NORTH

GENERAL PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REF G-SERIES SHEETS.

B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD.

C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED TO NOT HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.

D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT FLOOR LINE.

E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REF SITE PLAN FOR CORRELATION TO USGS DATUM.

F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AND HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OR DEPICTED GRAPHICALLY OTHERWISE.

G. PROVIDE TREATED WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) AS REQUIRED WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.

H. ALL FLOOR PENETRATIONS FROM ONE OCCUPIED VOLUME TO ANOTHER SHALL BE FIRE SEALED INCLUDING ALL MECHANICAL MEZZANINES

I. INTERIOR CMU WALLS TO BE STACKED BOND UNLESS NOTED OTHERWISE.

J. WHERE NEW CMU WALLS INTERSECT EXISTING CMU WALLS AT A CORNER OR ARE ALIGNED WITH EXISTING CMU WALLS, TOOTH NEW CMU INTO EXISTING CMU UNLESS NOTED OTHERWISE.

K. REF FINISH PLANS FOR LOCATION & EXTENT OF FINISH FLOOR AND WALL MATERIAL.

L. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

M. REF DEMOLITION SHEETS FOR ADDITIONAL PATCH AND REPAIR WORK.

N. REFER TO SPECIFICATIONS AND FINISH LEGEND FOR ADDITIONAL INFORMATION.

O. FIELD VERIFY ALL DIMENSIONS.

P. CASEWORK AND/OR MILLWORK INSTALLER TO COORDINATE ELECTRICAL AND PLUMBING WORK. REFER TO ELECTRICAL DRAWINGS AND SCHEDULES FOR ELECTRICAL DEVICE TYPES, HEIGHTS, AND LOCATIONS.

Q. ALL CASEWORK EXPOSED SURFACES SHALL BE PLASTIC-LAMINATE OR SOLID SURFACE WHERE INDICATED. INTERIOR SURFACES SHALL BE WHITE MELAMINE.

R. ALL CASEWORK AND/OR MILLWORK DOORS AND DRAWERS SHALL BE LOCKABLE AND KEYED PER AREA.

S. CASEWORK AND/OR MILLWORK INSTALLER SHALL PROVIDE ALL FILLERS AND SCRIBES AS REQUIRED FOR A COMPLETE AND FINISHED INSTALLATION.

T. FILLER PANELS, TRIM AND MOLDINGS PROVIDED SHALL BE CONTINUOUS AS NECESSARY TO MAKE CASEWORK AND/OR MILLWORK CONTINUOUS TO ADJACENT PARTITION, CEILING AND/OR BULKHEAD.

U. WHERE CASEWORK AND/OR MILLWORK REQUIRES SHIMMING, ONLY APPROVED METAL SHIMS SHALL BE USED.

V. PROVIDE 4" HIGH VINYL COVE BASE AT ALL CASEWORK AND/OR MILLWORK TOE SPACE AREAS AND AT EXPOSED SURFACES AND SIDES OF CABINETS ADJACENT TO TOE SPACES.

W. PROVIDE SEALANT JOINT AT ALL JUNCTIONS OF CASEWORK AND/OR MILLWORK / COUNTERTOPS WITH ADJACENT WALLS.

X. ALL SINKS SHALL BE MOUNTED TO COUNTERTOP AND PROVIDED WITH SINK MANUFACTURER'S STANDARD STRAINER AND TAILPIECE BY CONTRACTOR.

Y. ALL FAUCETS SHALL BE FURNISHED BY THE CASEWORK AND/OR MILLWORK INSTALLER AND INSTALLED BY PLUMBING CONTRACTOR. ALL ELECTRICAL ITEMS ARE BY THE ELECTRICAL CONTRACTOR. VERIFY AND COORDINATE LOCATIONS WITH CASEWORK CONTRACTOR.

Z. ALL FAUCETS SHALL HAVE A.D.A. COMPLIANT LEVER HANDLES AT ACCESSIBLE STATIONS.

AA. ALL CUTTING AND DRILLING OF CASEWORK AND AND/OR MILLWORK AS REQUIRED FOR INSTALLATION OF PIPING OR CONDUIT SHALL BE BY THE CASEWORK AND/OR MILLWORK INSTALLER RESPECTIVELY.

AB. CASEWORK CABINETS LOCATED IN FRONT OF A PLUMBING CHASE SHALL HAVE REMOVABLE BACKS.

AC. ALL ADJOINING CASEWORK CABINETS SHALL BE ALIGNED.

AD. ALL PLASTIC LAMINATE COUNTERTOPS TO HAVE 3MM EDGE.

AE. ALL CASEWORK WALL AND FULL HEIGHT CABINETS TO RECEIVE PLASTIC LAMINATE SLOPPED TOPS.

AF. ALL COUNTERTOPS TO HAVE CONTINUOUS 4" HIGH BACKSPLASHES AND ENDSPLASHES UNLESS NOTED OTHERWISE.

AG. ALL WALL-MOUNTED CASEWORK SHALL BE MOUNTED WITH THE TOP AT 7'-0" AFF UNLESS OTHERWISE NOTED.

AH. REFER TO G-301 FOR MOUNTING HEIGHTS.

PLAN LEGEND:

INDICATES MISCELLANEOUS CASEWORK ELEVATION SYMBOL. REF A-720 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.

INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REF A-600 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.

INDICATES WALL TYPE. REF G-301 FOR WALL THICKNESS, HEIGHT, & COMPOSITION.

X'-X" INDICATES CEILING/BULKHEAD HEIGHT ABOVE FINISHED FLOOR.

------- INDICATES ITEMS TO BE PART OF LOOSE EQUIPMENT PACKAGE BY OWNER. (NOT INCLUDED IN CONSTRUCTION CONTRACT)

- - - - INDICATES BULKHEADS OR OTHER OVERHEAD ITEMS (INCLUDED IN CONSTRUCTION CONTRACTS).

(TB) INDICATES 4" HIGH TACK BOARD LENGTH AS INDICATED, REFER TO MOUNTING HEIGHT DRAWING.

(MB) INDICATES 4' HIGH MARKER BOARD LENGTH AS INDICATED, REFER TO MOUNTING HEIGHT DRAWING.

(RS) INDICATES ROLLER SHADE.

GENERAL OUTLINE OF EXISTING ROOF STRUCTURE ABOVE TO BE INSULATED.

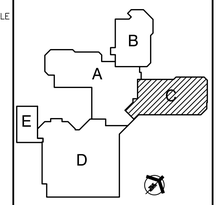
PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

1. AREA TO RECEIVE NEW CONSTRUCTION AT AND ABOVE CEILING. REF FINISH PLANS AND MEP DRAWINGS FOR ADDITIONAL INFORMATION.
2. PATCH & REPAIR EXISTING CONCRETE SLAB/STOOP CONSTRUCTION TO REPAIR EXISTING DOOR/THRESHOLD CONDITION. MODIFY DOOR & HARDWARE CONSTRUCTION FOR PROPER FUNCTION. REF DOOR SCHEDULE & DETAILS.
3. REINSTALL EXISTING ASSEMBLIES MODIFIED/REMOVED AS A PART OF NEW CONSTRUCTION. REPAIR AS REQD. TO RETURN TO LIKE NEW CONDITIONS.
4. NEW FLOOR FINISHES PREP EXISTING AS REQD. REF FINISHES PLANS.
5. EXISTING WALK TO REMAIN. COORDINATE WORK OCCURRING AS A PART OF ADJACENT DOOR CONSTRUCTION.
6. EXISTING CONSTRUCTION TO REMAIN. NO WORK THIS AREA.
7. SMARTBOARD AND PROJECTOR, BY OWNER.
8. RETAINING WALL – REFER TO CIVIL AND STRUCTURAL DRAWINGS.
9. SINK, REFER TO PLUMBING
10. INFILL EXISTING WINDOW OPENING. SEE DETAIL 21/A-501
11. SEMI-RECESSED FIRE EXTINGUISHER CABINET. 15/A-501
12. ALIGN FACE OF MASONRY ACROSS CORRIDOR.
13. 3/4" SEALANT EXPANSION JOINT.
14. COORDINATE WITH MEP SCOPE IN THIS AREA.
15. ROOF ACCESS LADDER.
16. LOCATION OF EXISTING STRUCTURAL STEEL ABOVE AT ROOF TRANSITIONS TO BE INSULATED W/ SPRAY FOAM COMPLETE. OVERLAP DECK AND EXISTING BUILDING STRUCTURE 2'-0" EACH SIDE 4" MIN THICK. WHERE STRUCTURAL STEEL IS DIVIDED BY ROOM OR SPACE, EACH SIDE OF MEMBER IS COVERED.
17. CONTINUOUS WATERPROOFING MEMBRANE – REFER TO STRUCTURAL AND CIVIL FOR FOUNDATION DRAIN.
18. 12X12X48 METAL LOCKERS WITH TRIM AND FILLER PANELS. PROVIDE ACCESSIBLE LOCKERS AS INDICATED. 18/A-501
19. ADJUST WALL LOCATION TO ROOM SIDE TO ACCOUNT FOR LOCKERS FOR PROPER FITMENT. PROVIDE SHIMS AS REQUIRED.

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK
UNION NORTH UNITED SCHOOL CORPORATION
12645 TYLER RD
LAKEVILLE, IN 46536



FIRST FLOOR KEYPLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-128
DATE 08/24/20
COORDINATED BY TA
DRAWN BY PCD
CHECKED BY TA

DALE J. WAGNER REGISTERED NO. 19600171 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-02	09/15/20	ADDENDUM NO. 2

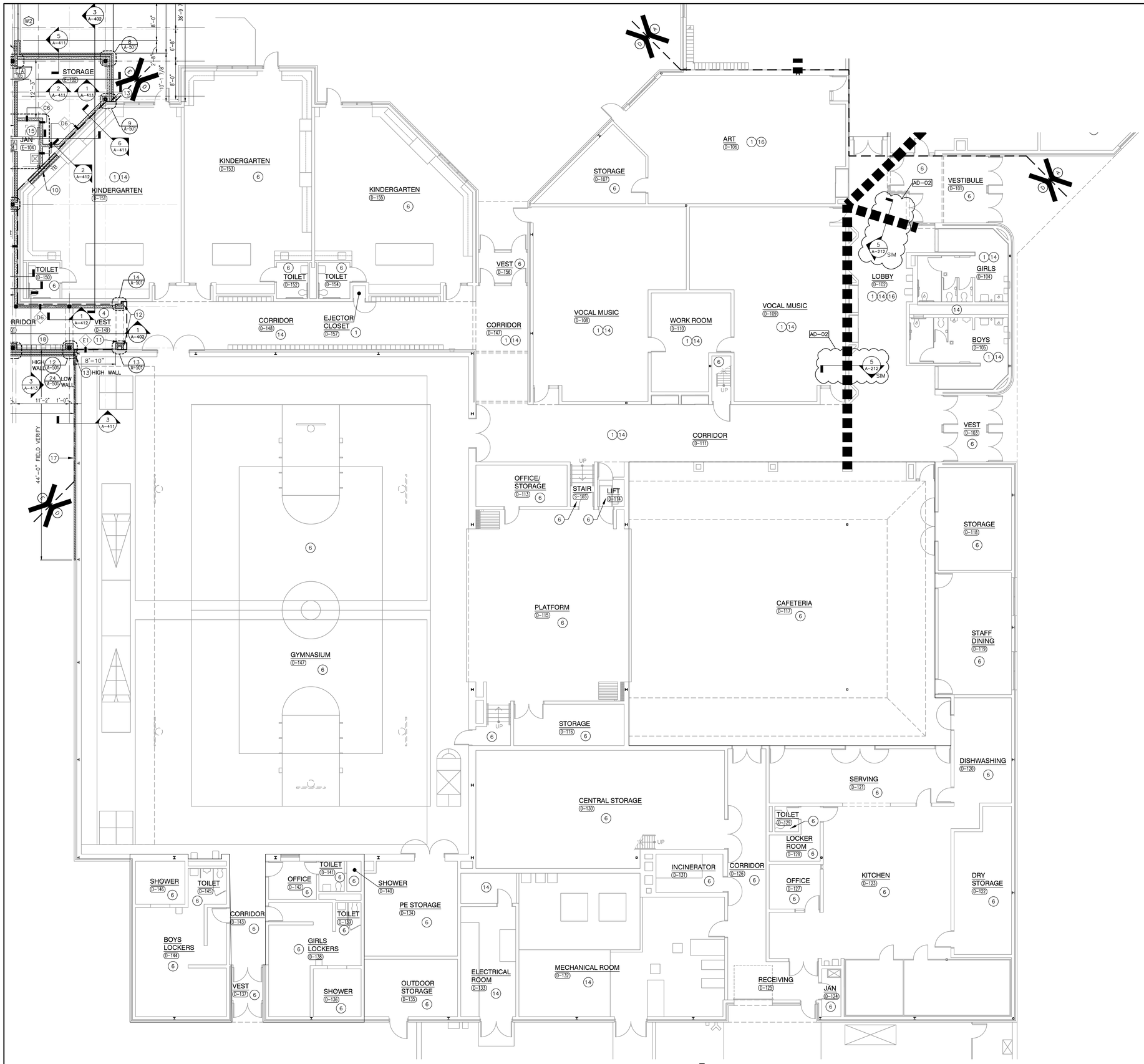
DRAWING
UNIT "C" ARCHITECTURAL FIRST FLOOR PLAN

PROJECT
LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS

© GIBRALTAR DESIGN

SHEET
A-103

Tuesday, 9/15/2020 – 9:12 AM – LAST SAVED BY:PDEGROTHY
Y:\20-128 UNION-NORTH LAVILLE ES – 2020 IMPROVEMENTS\20-128 DRAWINGS\05 ARCH\A-103.DWG



UNIT "D" ARCHITECTURAL FIRST FLOOR PLAN

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

GENERAL PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REF G-SERIES SHEETS.

B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD.

C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED TO NOT HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.

D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT FLOOR LINE.

E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REF SITE PLAN FOR CORRELATION TO USGS DATUM.

F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AND HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OR DEPICTED GRAPHICALLY OTHERWISE.

G. PROVIDE TREATED WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) AS REQUIRED WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.

H. ALL FLOOR PENETRATIONS FROM ONE OCCUPIED VOLUME TO ANOTHER SHALL BE FIRE SEALED INCLUDING ALL MECHANICAL MEZZANINES

I. INTERIOR CMU WALLS TO BE STACKED BOND UNLESS NOTED OTHERWISE.

J. WHERE NEW CMU WALLS INTERSECT EXISTING CMU WALLS AT A CORNER OR ARE ALIGNED WITH EXISTING CMU WALLS, TOOTH NEW CMU INTO EXISTING CMU UNLESS NOTED OTHERWISE.

K. REF FINISH PLANS FOR LOCATION & EXTENT OF FINISH FLOOR AND WALL MATERIAL.

L. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

M. REF DEMOLITION SHEETS FOR ADDITIONAL PATCH AND REPAIR WORK.

N. REFER TO SPECIFICATIONS AND FINISH LEGEND FOR ADDITIONAL INFORMATION.

O. FIELD VERIFY ALL DIMENSIONS.

P. CASEWORK AND/OR MILLWORK INSTALLER TO COORDINATE ELECTRICAL AND PLUMBING WORK. REFER TO ELECTRICAL DRAWINGS AND SCHEDULES FOR ELECTRICAL DEVICE TYPES, HEIGHTS, AND LOCATIONS.

Q. ALL CASEWORK EXPOSED SURFACES SHALL BE PLASTIC-LAMINATE OR SOLID SURFACE WHERE INDICATED. INTERIOR SURFACES SHALL BE WHITE MELAMINE.

R. ALL CASEWORK AND/OR MILLWORK DOORS AND DRAWERS SHALL BE LOCKABLE AND KEYED PER AREA.

S. CASEWORK AND/OR MILLWORK INSTALLER SHALL PROVIDE ALL FILLERS AND SCRIBES AS REQUIRED FOR A COMPLETE AND FINISHED INSTALLATION.

T. FILLER PANELS, TRIM AND MOLDINGS PROVIDED SHALL BE CONTINUOUS AS NECESSARY TO MAKE CASEWORK AND/OR MILLWORK CONTINUOUS TO ADJACENT PARTITION, CEILING AND/OR BULKHEAD.

U. WHERE CASEWORK AND/OR MILLWORK REQUIRES SHIMMING, ONLY APPROVED METAL SHIMS SHALL BE USED.

V. PROVIDE 4" HIGH VINYL COVE BASE AT ALL CASEWORK AND/OR MILLWORK TOE SPACE AREAS AND AT EXPOSED SURFACES AND SIDES OF CABINETS ADJACENT TO TOE SPACES.

W. PROVIDE SEALANT JOINT AT ALL JUNCTIONS OF CASEWORK AND/OR MILLWORK / COUNTERTOPS WITH ADJACENT WALLS.

X. ALL SINKS SHALL BE MOUNTED TO COUNTERTOP AND PROVIDED WITH SINK MANUFACTURER'S STANDARD STRAINER AND TAILPIECE BY CONTRACTOR.

Y. ALL FAUCETS SHALL BE FURNISHED BY THE CASEWORK AND/OR MILLWORK INSTALLER AND INSTALLED BY PLUMBING CONTRACTOR. ALL ELECTRICAL ITEMS ARE BY THE ELECTRICAL CONTRACTOR. VERIFY AND COORDINATE LOCATIONS WITH CASEWORK CONTRACTOR.

Z. ALL FAUCETS SHALL HAVE A.D.A. COMPLIANT LEVER HANDLES AT ACCESSIBLE STATIONS.

AA. ALL CUTTING AND DRILLING OF CASEWORK AND AND/OR MILLWORK AS REQUIRED FOR INSTALLATION OF PIPING OR CONDUIT SHALL BE BY THE CASEWORK AND/OR MILLWORK INSTALLER RESPECTIVELY.

AB. CASEWORK CABINETS LOCATED IN FRONT OF A PLUMBING CHASE SHALL HAVE REMOVABLE BACKS.

AC. ALL ADJOINING CASEWORK CABINETS SHALL BE ALIGNED.

AD. ALL PLASTIC LAMINATE COUNTERTOPS TO HAVE 3MM EDGE.

AE. ALL CASEWORK WALL AND FULL HEIGHT CABINETS TO RECEIVE PLASTIC LAMINATE SLOPPED TOPS.

AF. ALL COUNTERTOPS TO HAVE CONTINUOUS 4" HIGH BACKSPLASHES AND ENDSPLASHES UNLESS NOTED OTHERWISE.

AG. ALL WALL-MOUNTED CASEWORK SHALL BE MOUNTED WITH THE TOP AT 7'-0" AFF UNLESS OTHERWISE NOTED.

AH. REFER TO G-301 FOR MOUNTING HEIGHTS.

PLAN LEGEND:

- INDICATES MISCELLANEOUS CASEWORK ELEVATION SYMBOL. REF A-720 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.
- INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REF A-600 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.
- INDICATES WALL TYPE. REF G-301 FOR WALL THICKNESS, HEIGHT, & COMPOSITION.
- "X'-X" INDICATES CEILING/BULKHEAD HEIGHT ABOVE FINISHED FLOOR.
- ------- INDICATES ITEMS TO BE PART OF LOOSE EQUIPMENT PACKAGE BY OWNER. (NOT INCLUDED IN CONSTRUCTION CONTRACT)
- ---- INDICATES BULKHEADS OR OTHER OVERHEAD ITEMS (INCLUDED IN CONSTRUCTION CONTRACTS).
- (TB) INDICATES 4" HIGH TACK BOARD LENGTH AS INDICATED, REFER TO MOUNTING HEIGHT DRAWING.
- (MB) INDICATES 4' HIGH MARKER BOARD LENGTH AS INDICATED, REFER TO MOUNTING HEIGHT DRAWING.
- (RS) INDICATES ROLLER SHADE.
- GENERAL OUTLINE OF EXISTING ROOF STRUCTURE ABOVE TO BE INSULATED.

PLAN NOTES:

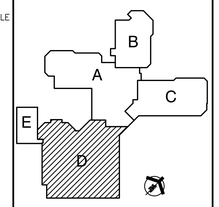
(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

1. AREA TO RECEIVE NEW CONSTRUCTION AT AND ABOVE CEILING. REF FINISH PLANS AND MEP DRAWINGS FOR ADDITIONAL INFORMATION.
2. PATCH & REPAIR EXISTING CONCRETE SLAB/STOOP CONSTRUCTION TO REPAIR EXISTING DOOR/THRESHOLD CONDITION. MODIFY DOOR & HARDWARE CONSTRUCTION FOR PROPER FUNCTION. REF DOOR SCHEDULE & DETAILS.
3. REINSTALL EXISTING ASSEMBLIES MODIFIED/REMOVED AS A PART OF NEW CONSTRUCTION. REPAIR AS REQD. TO RETURN TO LIKE NEW CONDITIONS.
4. NEW FLOOR FINISHES PREP EXISTING AS REQD. REF FINISHES PLANS.
5. EXISTING WALK TO REMAIN. COORDINATE WORK OCCURRING AS A PART OF ADJACENT DOOR CONSTRUCTION.
6. EXISTING CONSTRUCTION TO REMAIN. NO WORK THIS AREA.
7. SMARTBOARD AND PROJECTOR, BY OWNER.
8. RETAINING WALL – REFER TO CIVIL AND STRUCTURAL DRAWINGS.
9. SINK, REFER TO PLUMBING
10. INFILL EXISTING WINDOW OPENING. SEE DETAIL 21/A-501
11. SEMI-RECESSED FIRE EXTINGUISHER CABINET. 15/A-501
12. ALIGN FACE OF MASONRY ACROSS CORRIDOR.
13. 3/4" SEALANT EXPANSION JOINT.
14. COORDINATE WITH MEP SCOPE IN THIS AREA.
15. ROOF ACCESS LADDER.
16. LOCATION OF EXISTING STRUCTURAL STEEL ABOVE AT ROOF TRANSITIONS TO BE INSULATED W/ SPRAY FOAM COMPLETE. OVERLAP DECK AND EXISTING BUILDING STRUCTURE 2'-0" EACH SIDE 4" MIN THICK. WHERE STRUCTURAL STEEL IS DIVIDED BY ROOM OR SPACE, EACH SIDE OF MEMBER IS COVERED.
17. CONTINUOUS WATERPROOFING MEMBRANE – REFER TO STRUCTURAL AND CIVIL FOR FOUNDATION DRAIN.
18. 12X12X48 METAL LOCKERS WITH TRIM AND FILLER PANELS. PROVIDE ACCESSIBLE LOCKERS AS INDICATED. 18/A-501
19. ADJUST WALL LOCATION TO ROOM SIDE TO ACCOUNT FOR LOCKERS FOR PROPER FITMENT. PROVIDE SHIMS AS REQUIRED.

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK

UNION NORTH UNITED SCHOOL CORPORATION
12645 TYLER RD
LAKEVILLE, IN 46536



FIRST FLOOR KEYPLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-128
DATE 08/24/20
COORDINATED BY TA
DRAWN BY PCD
CHECKED BY TA

DALE J. WAGNER REGISTERED NO. 19600171 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC, SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-02	09/15/20	ADDENDUM NO. 2

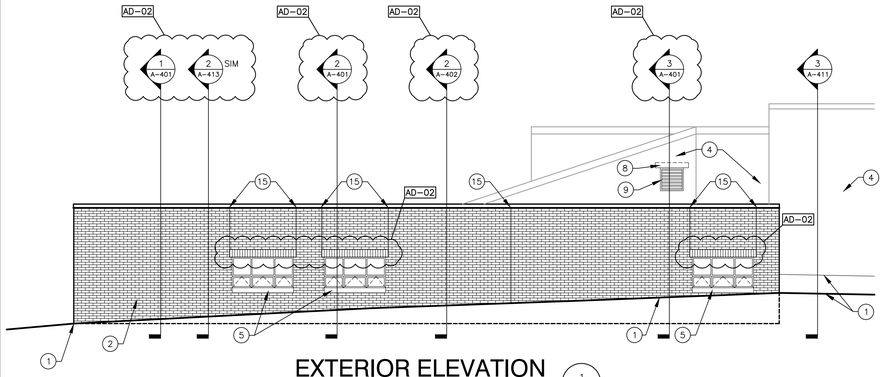
DRAWING
UNIT "D" ARCHITECTURAL FIRST FLOOR PLAN

PROJECT
LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS

© GIBRALTAR DESIGN

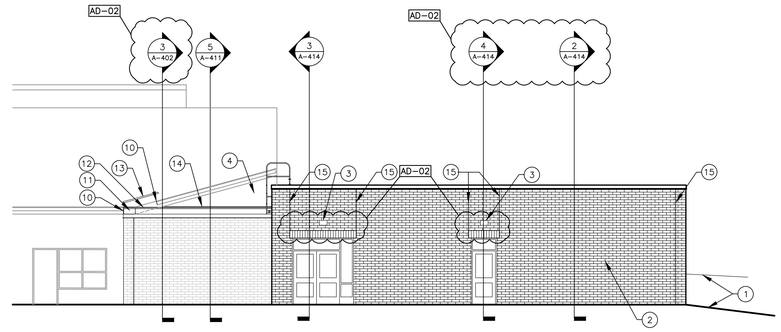
SHEET
A-104

Tuesday, 9/15/2020 – 9:14 AM – LAST SAVED BY:PDEGROTHY
Y:\20-128 UNION-NORTH LAVILLE ES – 2020 IMPROVEMENTS\20-128 DRAWINGS\05 ARCH\A-104.DWG



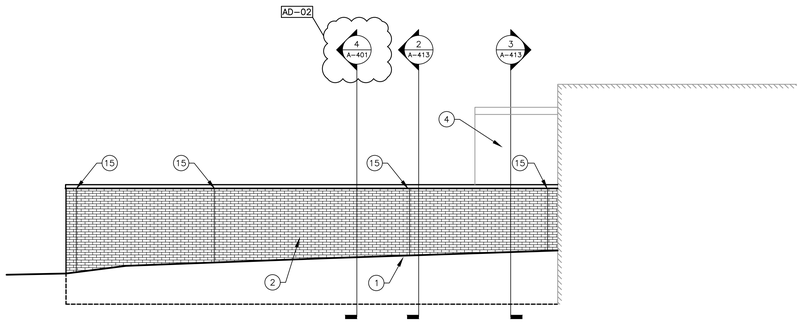
EXTERIOR ELEVATION (1 / A-301)

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



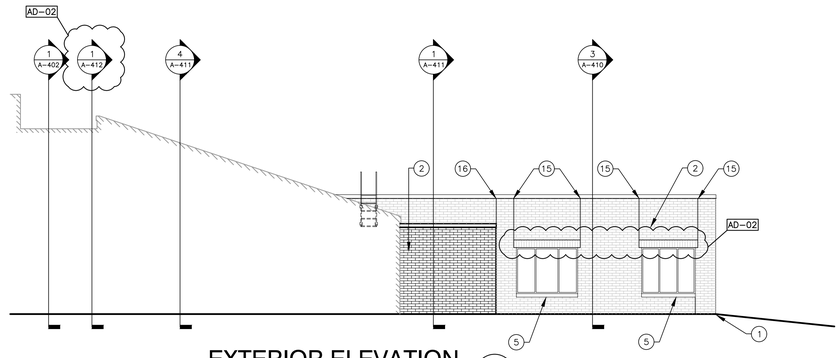
EXTERIOR ELEVATION (2 / A-301)

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



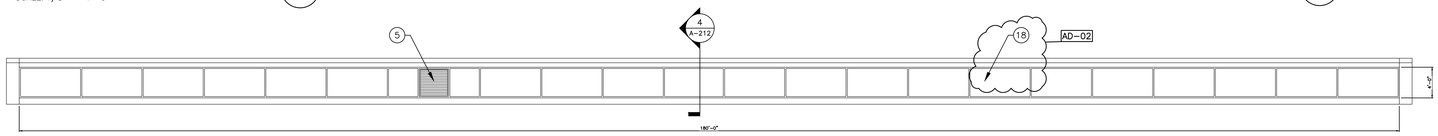
EXTERIOR ELEVATION (3 / A-301)

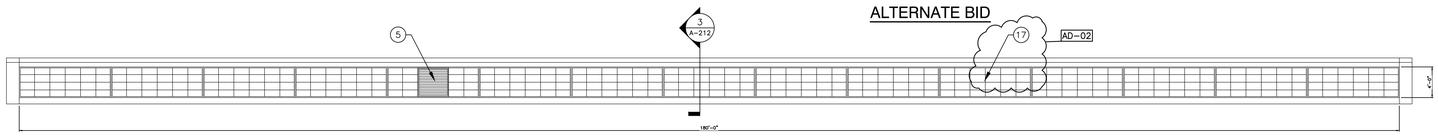
SCALE: 1/8" = 1'-0"



EXTERIOR ELEVATION (4 / A-301)

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

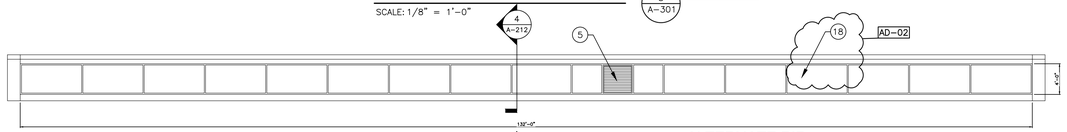


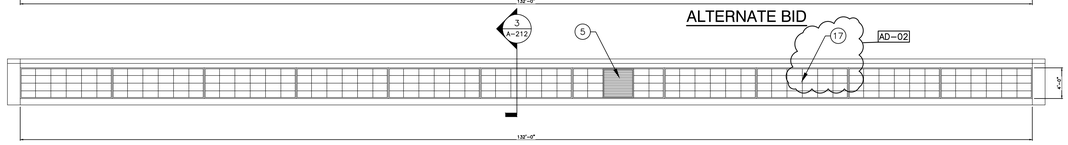


EXTERIOR ELEVATION (5 / A-301)

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

BASE BID

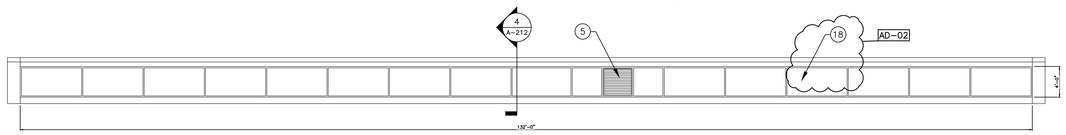


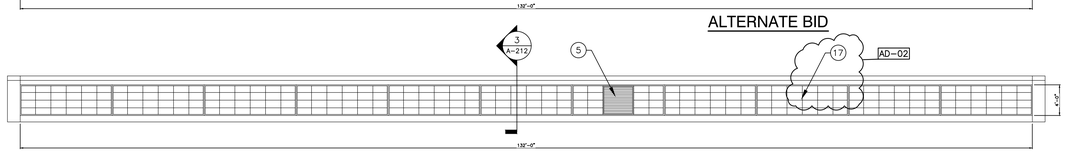


EXTERIOR ELEVATION (6 / A-301)

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

BASE BID





EXTERIOR ELEVATION (7 / A-301)

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

BASE BID

GENERAL ELEVATION NOTES:

A. REFER TO STRUCTURAL. DRAWINGS FOR FOUNDATION WALLS AND FOOTINGS.

B. REFER TO FLOOR PLANS FOR EXTERIOR WALL SECTIONS CUTS, UNLESS INDICATED OTHERWISE.

C. FOR LOCATION AND MOUNTING HEIGHTS OF CAMERAS, SPEAKERS, LIGHTS, HORNS, ETC. REFER TO ELECTRICAL AND TECHNOLOGY DRAWINGS.

D. ALL NEW FACE BRICK SHALL BE MODULAR RUNNING BOND UNLESS NOTED OTHERWISE.

E. FINISH GRADE INDICATES ON ELEVATIONS ARE FOR DRAWING PURPOSES ONLY. REFER TO CIVIL DRAWINGS FOR ACTUAL GRADES. COORDINATE STEPPED FLASHINGS WITH ACTUAL GRADES AS REQUIRED FOR CELL VENTS TO BE ABOVE GRADE.

F. STEP BRICK LEDGE DOWN AS REQUIRED FOR LEDGE TO BE BELOW GRADE OR CONCRETE WALK. COORDINATE WITH CIVIL DRAWINGS.

G. (CJ) INDICATES CONTROL JOINT. REFER TO DETAIL X/A-XXX

H. (EJ) INDICATED BUILDING EXPANSION JOINT. REFER TO DETAIL X/A-XXX

I. ALL VERTICAL CONTROL JOINTS IN EXISTING EXTERIOR BRICK WALL TO REMAIN ARE TO BE REMOVED AND PLACED WITH NEW SEALANT AND BACKER ROD.

J. AT ALL EXISTING WINDOWS TO REMAIN, REMOVE PERIMETER SEALANT AND BACKER ROD AND INSTALL NEW SEALANT AND BACKER ROD.

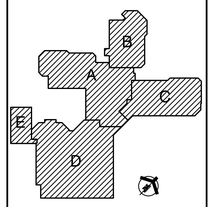
ELEVATION KEY NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

1. APPROXIMATE FINISH GRADE, REFER TO CIVIL DRAWINGS
2. FACE BRICK (TYPE 1) RUNNING BOND – COLOR A
3. LIGHT – REFER TO ELECTRICAL DRAWINGS.
4. EXISTING FACE BRICK TO REMAIN.
5. CUT STONE SILL
6. COMPOSITE METAL PANEL – COLOR TO MATCH COPING COLOR
7. METAL COPING – COLOR TO MATCH EXISTING
8. PROVIDE LINTEL FOR LOUVER OPENING. REFER TO STRUCTURAL DRAWINGS.
9. NEW 3'-0" X 3'-0" LOUVER. CONNECT TO EXISTING DUCTWORK SYSTEM. PROVIDE PAINTED INSULATED METAL BLOCK-OFF PANEL BEHIND LOUVER FOR AREAS NOT USED. SEE 2/A-301 (AD-02)
10. PROVIDE END CAP TO MATCH GUTTER PROFILE AND COLOR. SEAL AND RIVET TOGETHER.
11. CLOSE END OF EDGE FLASHING WITH METAL TO MATCH. SEAL CONTINUOUS EDGES AND FASTEN WITH APPROVED EXPOSED FASTENERS.
12. COUNTER FLASHING AND TERMINATION BAR TO FASTEN TO EXISTING FASCIA ACROSS AREA OF REMOVED GUTTER. SEAL CONTINUOUSLY ALONG TOP OF COUNTER FLASHING. SEE 7/A-211
13. PROVIDE 6'-0" LONG RAIN DIVERTER SLIPED UNDER EXISTING SHINGLES. NAIL AND SEAL ALL FASTENERS.
14. PROVIDE REGLET IN EXISTING MASONRY JOINT AND INSTALL COUNTER FLASHING TO COVER BUILD-OUT AND HIDE TERMINATION OF ROOF MEMBRANE FLASHING. SEE SIMILAR DETAIL 7/A-211
15. CONTINUOUS CONTROL JOINT.
16. CONTINUOUS CONTROL JOINT. COORDINATE AND ALIGN W/ BLOCK AND STUD TRANSITION. (AD-02)
17. INSULATED TRANSLUCENT WALL PANEL ASSEMBLY.
18. STOREFRONT WINDOW WITH TRANSLUCENT GLASS.

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK
UNION NORTH UNITED SCHOOL CORPORATION
12645 TYLER RD
LAKEVILLE, IN 46536



FIRST FLOOR KEYPLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-128
DATE 08/24/20
COORDINATED BY TA
DRAWN BY JMG PD
CHECKED BY TA

DALE J. WAGNER REGISTERED NO. 19600171 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-02	09/15/20	ADDENDUM NO. 2

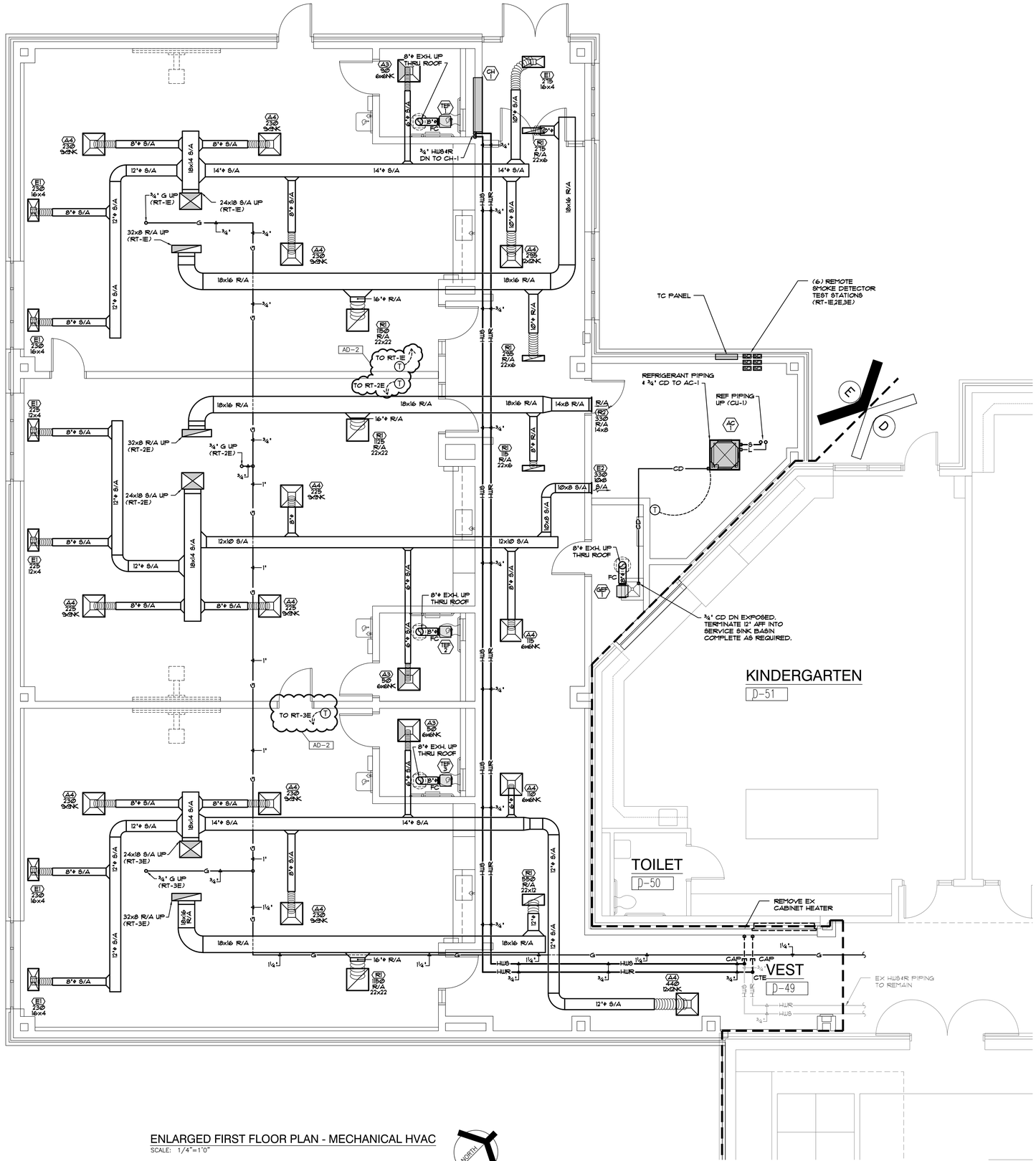
DRAWING
OVERALL BUILDING ELEVATIONS

PROJECT
LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS

© GIBRALTAR DESIGN

SHEET
A-301

Tuesday, 9/15/2020 – 9:17 AM – LAST SAVED BY:PDEGROTHY
Y:\20-128 UNION-NORTH LAVILLE ES – 2020 IMPROVEMENTS\20-128 DRAWINGS\05 ARCH\A-301.DWG



ENLARGED FIRST FLOOR PLAN - MECHANICAL HVAC

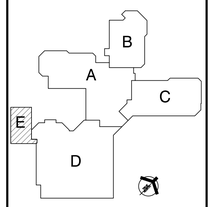
SCALE: 1/4"=1'0"

NORTH

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES ENGINEERING GROUP
(317) 924-5400
www.milliesengineeringgroup.com

PROJECT
LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK
UNION NORTH UNITED SCHOOL CORPORATION
12645 TYLER RD
LAKEVILLE, IN 46536



FIRST FLOOR KEYPLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-128
DATE 08/24/20
COORDINATED BY BK
DRAWN BY GL, CC
CHECKED BY DJ

REGISTERED NO. 10302590 STATE OF INDIANA DAVID G. JANNEY PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/15/20	ADDENDUM NO. 2

DRAWING
ENLARGED FIRST FLOOR PLAN - MECHANICAL HVAC

PROJECT
LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS

© GIBRALTAR DESIGN

SHEET
M-101

COPYRIGHT © 2020 MILLIES ENGINEERING GROUP

MECHANICAL EQUIPMENT SCHEDULE

TAG	MANUFACTURER	MODEL NUMBER	DESCRIPTION	FAN MOTOR DATA						POW EXH MOTOR DATA				DX COOLING EQUIPMENT/COIL DATA								GAS FIRED HEATING EQUIPMENT DATA							HOT WATER HTG EQP/COIL DATA							ELECTRICAL DATA										UNITS CONTROLLED BY	EQUIPMENT WEIGHT	REMARKS
				CFM	OAI CFM	TSP	ESP	HP	RPM	CFM	ESP	HP	RPM	MBH	SHC	EDB	EWB	LDB	LWB	CAT	STAGES	MBH (IN)	MBH (OUT)	EAT	LAT	STAGES	MBH	GPM	EAT	LAT	EWT	LWT	MAX WPD	LOAD HP	MCA	FLA	AMPS	MOCP	VOLT	PHASE	HZ	STARTER BY: MC.	STARTER BY: EC.			
RT-1E	AAON	RQ-006	ROOF MOUNTED GAS FIRED / DX COOLING PACKAGED UNIT	1810	545	2.16	1	2	1613	1810	0.25	1	1528	68.6	48.4	79.6	66.3	53.7	53.1	95	MOD	140	113.4	44.5	102.4	MOD	-	-	-	-	-	-	-	-	21	-	-	30	480	3	60	X	-	WALL MTD TSTAT	1375	NOTE 1
RT-2E	AAON	RQ-005	ROOF MOUNTED GAS FIRED / DX COOLING PACKAGED UNIT	1615	545	2.01	1	2	1525	1615	0.25	1	1436	61.9	44	80.4	66.8	54.1	53.6	95	MOD	140	113.4	41.7	106.6	MOD	-	-	-	-	-	-	-	-	19	-	-	25	480	3	60	X	-	WALL MTD TSTAT	1375	NOTE 1
RT-3E	AAON	RQ-005	ROOF MOUNTED GAS FIRED / DX COOLING PACKAGED UNIT	1750	540	2.1	1	2	1582	1750	0.25	1	1500	62.5	45.3	79.8	66.4	54.8	54.2	95	MOD	140	113.4	43.7	103.6	MOD	-	-	-	-	-	-	-	-	19	-	-	25	480	3	60	X	-	WALL MTD TSTAT	1375	NOTE 1
AC/CU-1	BOSCH	BM9500-AAU024/AAS024	CEILING COOLING ONLY AC UNIT / ROOF MTD COOLING ONLY CONDENSING UNIT	-	-	-	-	-	-	-	-	-	-	24	-	-	-	-	-	95	1	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	30	208	1	60	X	-	WALL TSTAT/CTL PANEL	46/115	NOTE 2
CH-1	STERLING	RIU-06	RECESSED HOT WATER CABINET HEATER	275	-	-	-	1/10	1050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	4.8	60	-	200	-	1.6	-	-	-	1.4	-	120	1	60	X	-	WALL MTD TSTAT	157	NOTE 3
TEF-1	TWIN CITY	T-300H	CEILING MOUNTED TOILET EXHAUST FAN	-	-	-	-	-	-	180	0.5	1/3	699	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/3	-	-	-	-	120	1	60	-	X	WALL SWITCH	23	NOTE 4
TEF-2	TWIN CITY	T-250H	CEILING MOUNTED TOILET EXHAUST FAN	-	-	-	-	-	-	160	0.5	1/4	670	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/4	-	-	-	-	120	1	60	-	X	WALL SWITCH	23	NOTE 4
TEF-3	TWIN CITY	T-250H	CEILING MOUNTED TOILET EXHAUST FAN	-	-	-	-	-	-	160	0.5	1/4	670	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/4	-	-	-	-	120	1	60	-	X	WALL SWITCH	23	NOTE 4
GEF-1	TWIN CITY	T-250H	CEILING MOUNTED GENERAL EXHAUST FAN	-	-	-	-	-	-	140	0.5	1/4	641	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/4	-	-	-	-	120	1	60	-	X	WALL SWITCH	23	NOTE 5

AD-2

NOTES:
1. PROVIDE WITH:
   - INTEGRATED ECONOMIZER WITH DIFFERENTIAL ENTHALPY SENSORS
   - FEEDBACK SIGNAL w/ IECC 2015 COMPLIANT LOW LEAK ECONOMIZER DAMPER.
   - S/A & POW EXH DIRECT DRIVE FANS W/VFD,
   - NON-FUSED DISCONNECT SWITCH
   - HINGED ACCESS PANELS
   - VIBRATION ISOLATION CURB w/ HUSHCORE DECK DS-52 ACOUSTICAL TREATMENT.
   - POWERED EXHAUST FAN W/BLDG PRESSURIZATION CONTROL.
   - MODULATING HOT GAS REHEAT AND DEHUMIDIFICATION CONTROLS
   - STAINLESS STEEL HEAT EXCHANGER
   - MODULATING GAS w/HIGH TURNDOWN (SEE SCHEDULE)
   - FLUE DEFLECTOR
   - METAL MESH OUTSIDE AIR INTAKE HOOD FILTER
   - CONDENSER FAN w/VFD FOR HEAD PRESSURE CONTROL
   - SITE GLASS
   - SINGLE ZONE VAV HEATING & COOLING
   - OUTSIDE AIR MONITORING AND CONTROL
   - HAIL CONDENSER COIL GUARD PROTECTION
   - SUPPLY FAN MINIMUM SPEED: 30% COOLING-50% VENTILATION-70% HEATING
   - FILTERS: 4" MERV 13 & 2" MERV 8
   - SYSTEM MANAGER CONTROL PANEL

   SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. PROVIDE WITH:
   - INTEGRAL THERMOSTAT
   - DISCONNECT SWITCH

   SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
3. PROVIDE WITH:
   - BUILT IN BACK DRAFT DAMPER,
   - INTEGRAL METAL GRILLE,
   - VIBRATION ISOLATORS,
   - CURB MOUNTED ROOF JACK.

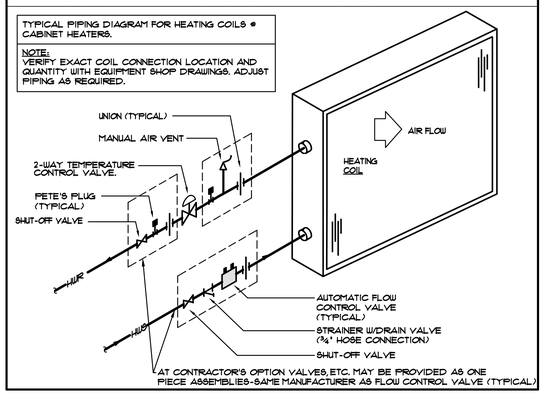
   SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

HOT WATER COIL PIPING DIAGRAM

SCHEMATIC ONLY

TYPICAL PIPING DIAGRAM FOR HEATING COILS @ CABINET HEATERS.

NOTE:
VERIFY EXACT COIL CONNECTION LOCATION AND QUANTITY WITH EQUIPMENT SHOP DRAWINGS. ADJUST PIPING AS REQUIRED.



SYMBOLS/ABBREVIATIONS

SYMBOL	DESCRIPTION
	SQUARE TO ROUND TRANSITION
	NEW DUCTWORK
	DUCT TRANSITION
	SUPPLY AIR DUCT DOWN
	SUPPLY AIR DUCT UP
	RETURN OR EXHAUST DUCT DOWN
	RETURN OR EXHAUST DUCT UP
	RETURN OR EXHAUST REGISTER
	SUPPLY AIR DIFFUSER
	FLEXIBLE DUCTWORK
	AUTOMATIC (MOTORIZED) DAMPER
	FIRE - SMOKE DAMPER
	SEE SCHEDULES
	SHEET NOTE
MS	MOTOR STARTER
SD	DUCT SMOKE DETECTORS PROVIDED BY UNIT MANUFACTURER
T	THERMOSTAT - ADJUSTABLE
H	HUMIDISTAT

SYMBOL	DESCRIPTION
CD	CONDENSATE DRAIN
G	GAS PIPING
	REFRIGERANT PIPE
	PIPING SLOPED DOWN
	PIPING TO BE REMOVED
	EXISTING PIPING
	PIPE TURNED UP
	PIPE TURNED DOWN
GM	GAS METER
	GAS SOLENOID VALVE
	INLINE PUMP
	UNION
	CIRCUIT SETTER
	SHUT-OFF VALVE
	GAS COCK
	CHECK VALVE
	PRESSURE REDUCING VALVE
	2-WAY AUTOMATIC VALVE
	3-WAY AUTOMATIC VALVE

ABBREVIATIONS	DESCRIPTION
AD	AUTOMATIC (MOTORIZED) DAMPER
AC	AIR CONDITIONING
AFF	ABOVE FINISHED FLOOR
BJA	BETWEEN JOIST ABOVE
CAI	COMBUSTION AIR INTAKE
CAT	CONDENSING AIR TEMPERATURE
CD	CONDENSATE DRAIN
CEB	CONCRETE EQUIPMENT BASE
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CH	CABINET HEATER
CS	CIRCUIT SETTER
DN.	DOWN
DS	DISCONNECT SWITCH
DX	DIRECT EXPANSION
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EDB	ENTERING DRY BULB TEMPERATURE
ESP	EXTERNAL STATIC PRESSURE
EWB	ENTERING WET BULB TEMPERATURE
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
FC	FLEXIBLE CONNECTION
FD	FIRE DAMPER
FMS	FACILITY MANAGEMENT SYSTEM
G	NATURAL GAS
GEF	GENERAL EXHAUST FAN
GPM	GALLONS PER MINUTE
HP	HORSE POWER
HZ	HERTZ

ABBREVIATIONS	DESCRIPTION
KEF	KITCHEN EXHAUST FAN
LAT	LEAVING AIR TEMPERATURE
LDB	LEAVING DRY BULB TEMPERATURE
LWB	LEAVING WET BULB TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MBH	1,000 BTU/HOUR
MC	MECHANICAL CONTRACTOR
MOD	MODULATING
NC	NORMALLY CLOSED
NK	NECK
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OBD	OPPOSED BLADE DAMPER
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
R/A	RETURN AIR
RH	RELATIVE HUMIDITY
RPM	REVOLUTIONS PER MINUTE
RT	ROOFTOP UNIT
S/A	SUPPLY AIR
SHC	SENSIBLE HEAT CAPACITY
TC	TEMPERATURE CONTROL
TEF	TOILET EXHAUST FAN
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UD	UNDERCUT DOOR
WC	WATER COLUMN
WPD	WATER PRESSURE DROP

GRILLE, REGISTER & DIFFUSER SCHEDULE

TAG	MANUFACTURER	MODEL NO.	DESCRIPTION	AIR PATTERN	MOUNTING	SIZE	TYPE OF CONTROL	REMARKS
A3	NAILOR	6500-O	SUPPLY CEILING DIFFUSER	3-WAY	2' X 2' LAY-IN PANEL	SEE PLANS	O.B.D.	-
A4	NAILOR	6500-O	SUPPLY CEILING DIFFUSER	4-WAY	2' X 2' LAY-IN PANEL	SEE PLANS	O.B.D.	-
E1	NAILOR	61DH-O	SUPPLY CEILING REGISTER	DOUBLE DEFLECTION	2' X 1' LAY-IN PANEL	SEE PLANS	O.B.D.	HORIZONTAL FRONT BARS, VERTICAL BACK BARS
E2	NAILOR	61DH-O	SUPPLY CEILING REGISTER	DOUBLE DEFLECTION	SURFACE MOUNTED	SEE PLANS	O.B.D.	HORIZONTAL FRONT BARS, VERTICAL BACK BARS
R1	NAILOR	6145H-O	RETURN/EXHAUST REGISTER	LOUVERED GRILLE	LAY-IN PANEL	SEE PLANS	O.B.D.	-
R2	NAILOR	6145H-O	RETURN/EXHAUST REGISTER	LOUVERED GRILLE	SURFACE MOUNTED	SEE PLANS	O.B.D.	-

* ALL DIFFUSERS AND REGISTERS SHALL HAVE A WHITE FINISH UNLESS OTHERWISE NOTED

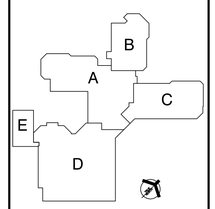
NATURAL GAS CONNECTION SCHEDULE

TAG	DESCRIPTION	LOCATION	CAPACITY CFH	REMARKS
RT-1E	ROOF MOUNTED GAS FIRED / DX COOLING PACKAGED UNIT	ROOF	140	-
RT-2E	ROOF MOUNTED GAS FIRED / DX COOLING PACKAGED UNIT	ROOF	140	-
RT-3E	ROOF MOUNTED GAS FIRED / DX COOLING PACKAGED UNIT	ROOF	140	-
		TOTAL	420	CFH @ 5lbs

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES ENGINEERING GROUP
(317) 924-5400
www.milliesengineeringgroup.com

PROJECT
LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK
UNION NORTH UNITED SCHOOL CORPORATION
12645 TYLER RD
LAKEVILLE, IN 46536



FIRST FLOOR KEYPLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-128
DATE 08/24/20
COORDINATED BY BK
DRAWN BY GL, CC
CHECKED BY DJ

DAVID G. JANNETT REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/15/20	ADDENDUM NO. 2

DRAWING
MECHANICAL HVAC SCHEDULES, NOTES & DIAGRAMS

PROJECT
LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS

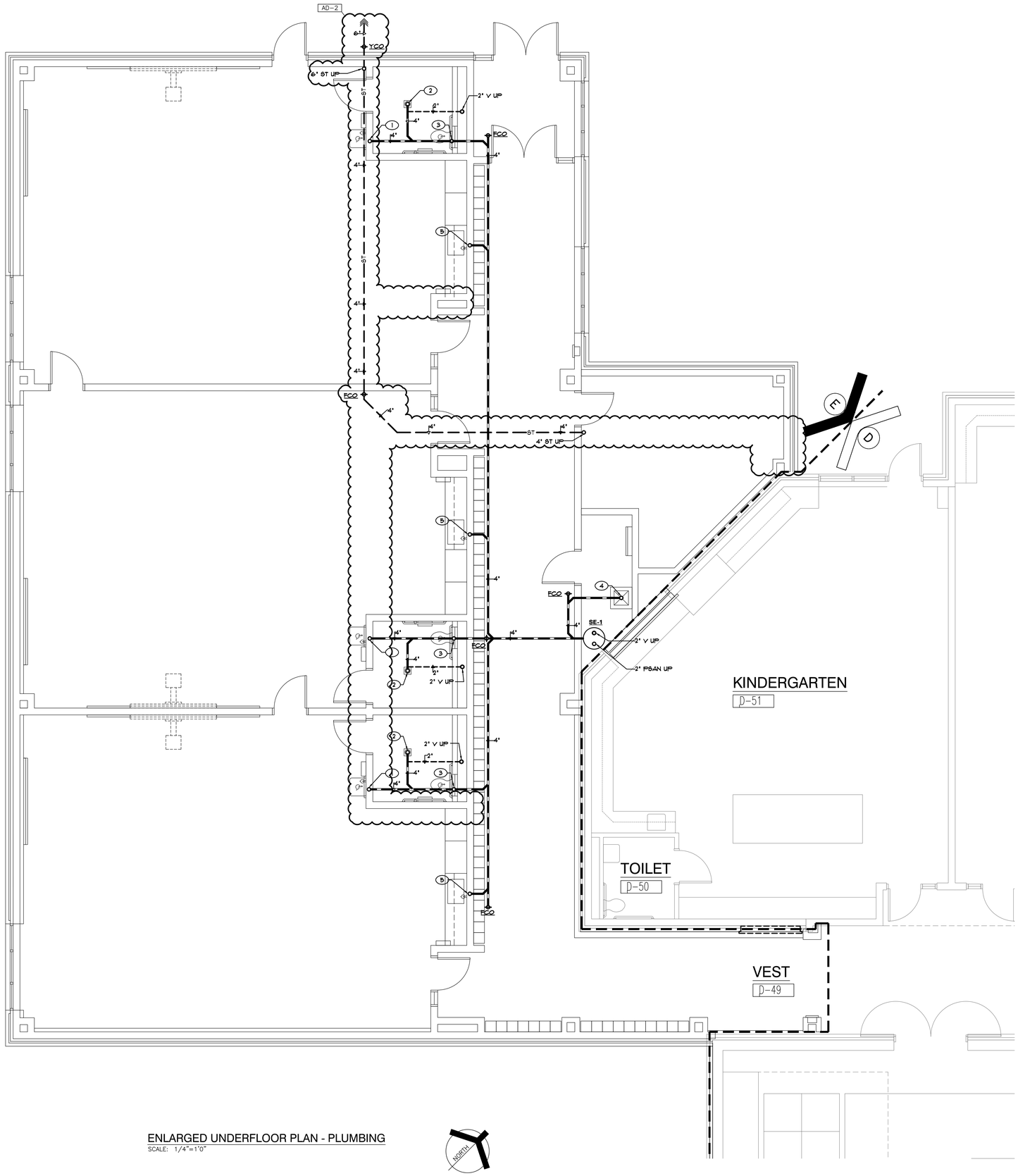
© GIBRALTAR DESIGN

SHEET
M-200

COPYRIGHT © 2020 MILLIES ENGINEERING GROUP

SHEET NOTES

1. ROUTE NEW 2" SANITARY UP TO LAVATORY SINK COMPLETE AS REQUIRED.
2. ROUTE NEW 4" SANITARY UP TO FLOOR DRAIN COMPLETE AS REQUIRED.
3. ROUTE NEW 4" SANITARY UP TO WATER CLOSET COMPLETE AS REQUIRED.
4. ROUTE NEW 4" SANITARY UP TO MOP BASIN COMPLETE AS REQUIRED.
5. ROUTE NEW 2" SANITARY UP TO SINK COMPLETE AS REQUIRED.

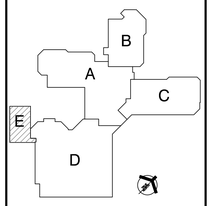


ENLARGED UNDERFLOOR PLAN - PLUMBING
SCALE: 1/4"=1'0"

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES
ENGINEERING GROUP
(317) 924-5400
www.milliesengineeringgroup.com

PROJECT
LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK
UNION NORTH UNITED SCHOOL CORPORATION
12645 TYLER RD
LAKEVILLE, IN 46536



FIRST FLOOR KEYPLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-128
DATE 08/24/20
COORDINATED BY BK
DRAWN BY GL, CC
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC, SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/15/20	ADDENDUM NO. 2

DRAWING
ENLARGED UNDERFLOOR PLAN - PLUMBING

PROJECT
LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS

© GIBRALTAR DESIGN

SHEET
P-100

COPYRIGHT © 2020 MILLIES ENGINEERING GROUP

GENERAL NOTES

A. WORK SHALL COMPLY WITH LOCAL, MUNICIPAL, AND STATE PLUMBING CODES.

B. THE SCOPE OF WORK SPECIFIED HEREIN AND IN THE SPECIFICATIONS SHALL BE COORDINATED WITH THE CONSTRUCTION MANAGER - REFER TO THE SCOPE OF WORK FOR EACH TRADE. ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND CONSTRUCTION MANAGERS SCOPE SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR CLARIFICATION. THE ARCHITECT/ENGINEER'S DECISION SHALL BE FINAL.

C. LAYOUT IS DIAGRAMMATIC. INSTALL PIPING AND EQUIPMENT TO MEET ACTUAL FIELD CONDITIONS. REVIEW PROJECT SPECIFICATIONS BEFORE STARTING ANY WORK. SUBMIT SHOP DRAWINGS OF WORK AS PER SPECIFICATIONS.

D. COORDINATE PHASING OF WORK AND PROVIDE TEMPORARY PIPING AND SERVICES AS REQUIRED FOR THE IMPLEMENTATION OF WORK WHILE MAINTAINING SERVICES TO PORTIONS OF BUILDING TO REMAIN OCCUPIED.

E. FIELD VERIFY IF EXISTING ASBESTOS WILL BE ENCOUNTERED PRIOR TO STARTING ANY WORK. IF ASBESTOS IS PRESENT, THE OWNER WILL PROVIDE FOR THE REMOVAL OF ANY MATERIAL CONTAINING ASBESTOS. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

F. LAYOUT WORK TO AVOID CONFLICTS BETWEEN DUCTWORK, LIGHTING, CEILINGS, PIPING AND BUILDING STRUCTURE.

G. SCHEDULE WORK TO AVOID DOWNTIME AND INCONVENIENCE TO OWNER. OWNER'S EXISTING FACILITY SHALL REMAIN IN OPERATION AT TIMES. REQUIRED SHUTDOWN OF EXISTING UTILITIES SHALL BE SCHEDULED WITH OWNER'S OPERATING PERSONNEL. NOTIFY OWNER'S REPRESENTATIVE 48 HOURS IN ADVANCE PRIOR TO ANY SHUTDOWN OF EXISTING PLUMBING SYSTEMS.

H. VERIFY LOCATION AND ELEVATION OF PLUMBING EQUIPMENT, FIXTURES, PIPING, PANELS, ETC. EXPOSED WITHIN OCCUPIED SPACES BEFORE THE START OF ANY ROUGH-IN OR INSTALLATION.

I. COORDINATE EQUIPMENT ELECTRICAL REQUIREMENTS (VOLTAGES, PHASE, LOAD, ETC.) BEFORE ORDERING ANY EQUIPMENT.

J. COORDINATE VENT THROUGH ROOF LOCATIONS WITH OUTDOOR AIR INTAKE LOCATIONS TO MAINTAIN A MINIMUM SEPARATION OF TEN FEET.

K. VISIT SITE PRIOR TO BIDDING TO DETERMINE FIELD CONDITIONS. VERIFY EXISTING INTERIOR AND EXTERIOR PLUMBING SYSTEMS TO VERIFY QUANTITIES AND LOCATIONS OF EXISTING SYSTEMS TO DETERMINE EXTENT OF NEW AND DEMOLITION WORK. VERIFY EXISTING INTERIOR AND EXTERIOR STORM AND SANITARY PIPING SYSTEMS AS TO ROUTING, SIZE AND INVERT ELEVATION PRIOR TO ANY INSTALLATION OF NEW AND REMOVAL OF ANY EXISTING.

L. COORDINATE NEW INSTALLATIONS WITH EXISTING SYSTEMS. ANY EXISTING CONDUIT, PIPING, DUCTWORK, EQUIPMENT, ETC., SHALL BE REWORKED AS REQUIRED TO AVOID CONFLICTS WITH THE INSTALLATION OF THE NEW PLUMBING SYSTEMS. NO EXTRAS WILL BE ALLOWED AFTER BIDDING FOR ANY REWORK OF EXISTING FIELD CONDITIONS TO RESOLVE ANY CONFLICTS OR NOT FULLY UNDERSTANDING THE SCOPE OF THE WORK REQUIRED. EXISTING EQUIPMENT, FIXTURES AND PIPING, ETC., SHALL BE REMOVED AS NOTED ON DRAWINGS AND AS REQUIRED TO MEET NEW SCOPE OF WORK.

M. EXISTING INFORMATION IDENTIFIED ON THE CONTRACT DOCUMENTS IS SCHEMATIC ONLY AS AN AID TO THE CONTRACTOR. PROPERLY ADDRESS EXISTING CONDITIONS FOR A COMPLETE AND PROPER INSTALLATION OF NEW SYSTEMS. EXISTING EQUIPMENT NOT IDENTIFIED SHALL BE REPORTED IN WRITTEN FORM FOR REVIEW AS TO WHETHER THE EQUIPMENT SHALL REMAIN AND BE RECONNECTED TO THE NEW SERVICES, BE RELOCATED, BE ABANDONED, ETC.

N. ANY HIDDEN CONDITIONS IDENTIFIED THROUGH THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY REPORTED IN WRITTEN FORM FOR REVIEW AND DIRECTION. FAILURE TO DO SO SHALL MAKE THE CONTRACTOR RESPONSIBLE FOR ANY REQUIRED CHANGES AND COSTS TO CORRECT SAID HIDDEN CONDITION.

O. REMOVE EXISTING CEILINGS REQUIRED FOR INSTALLATION OF NEW WORK. REINSTALL CEILING UPON COMPLETION OF WORK. REPLACE DAMAGED CEILING MATERIALS TO MATCH EXISTING.

P. PROVIDE CUTTING, CORE DRILLING AND PATCHING OF EXISTING FLOOR, WALL AND ROOF CONSTRUCTIONS REQUIRED FOR THE INSTALLATION OF NEW PIPING. SEAL PENETRATIONS THROUGH FLOOR, WALL AND ROOF STRUCTURE WATERTIGHT AND WITH AN APPROVED FIRE STOPPING MATERIAL, INCLUDING APPROVED FIRE RATED SLEEVE.

Q. PROVIDE AND INSTALL PLENUM WRAP, TESTED TO UL 84 AND UL 910, ON ALL EXISTING PVC PIPING IN NEW OR EXISTING RETURN AIR CEILING PLENUMS.

R. CUT OR CHANNEL INTO EXISTING WALL CONSTRUCTIONS AS REQUIRED FOR INSTALLATION OF NEW PIPING WITHIN EXISTING WALLS. PATCH WALL SURFACES AND FINISH AS REQUIRED TO MATCH EXISTING CONDITIONS.

S. PROVIDE ROUGH-IN AND FINAL CONNECTIONS TO PLUMBING EQUIPMENT AND FIXTURES. SET FIXTURES/EQUIPMENT AND FURNISH AND INSTALL NECESSARY FITTINGS, TRAPS, STOPS, ETC. AS REQUIRED.

T. PROVIDE ALL ROUGH-IN AND FINAL SERVICES AND CONNECT ALL WATER LINES, WASTE LINES, INDIRECT PIPING, ETC. FOR FIXTURES. PROVIDE ALL VALVES, STOPS, TRAPS, AND PRESSURE REGULATORS NECESSARY TO CONNECT LINES.

U. PLUMBING PIPING ROUTING TO BE FIELD COORDINATED WITH NEW AND EXISTING HVAC DUCTWORK, HVAC PIPING, FIRE PROTECTION PIPING, ELECTRICAL AND STRUCTURE TO ENSURE NO CONFLICTS WILL OCCUR DUE TO INTERFERENCE.

V. PIPING, EQUIPMENT, ETC. SHALL NOT BE SUPPORTED FROM THE BOTTOM CHORD OF ENGINEERED JOISTS WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.

W. ISOLATION VALVES SHALL BE INSTALLED OVER ACCESSIBLE CEILINGS. WHEN ISOLATION VALVES ARE INSTALLED OVER INACCESSIBLE CEILING AREAS, IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO FURNISH AND INSTALL 12" X 12" (MINIMUM) CEILING ACCESS DOORS, TYPE TO BE VANDALPROOF, TAMPERPROOF ASSEMBLIES. INSTALLATION TO BE COORDINATED WITH GENERAL CONTRACTOR.

X. INVERT ELEVATIONS SHALL BE FIELD COORDINATED WITH FINAL GRADING PLANS TO ENSURE PROPER INSTALLATION.

Y. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR FINAL MOUNTING HEIGHTS OF PLUMBING FIXTURES.

Z. PROTECT NEW AND EXISTING DRAIN OPENINGS AND SANITARY LINES DURING CONSTRUCTION TO PREVENT BLOCKAGE. ROD-OUT EXISTING SANITARY PIPING. PIPING SHALL BE FREE OF BLOCKAGE.

AA. REPAIR AND/OR REPLACE DAMAGED PIPE INSULATION THAT OCCURS AS THE RESULT OF THIS CONSTRUCTION.

BB. PIPING PENETRATING AIR PLENUM CEILING AREAS SHALL BE PROPERLY SEALED TO MAKE AIRTIGHT. REFER TO MECHANICAL DUCTWORK DRAWINGS FOR AIR PLENUM LOCATIONS.

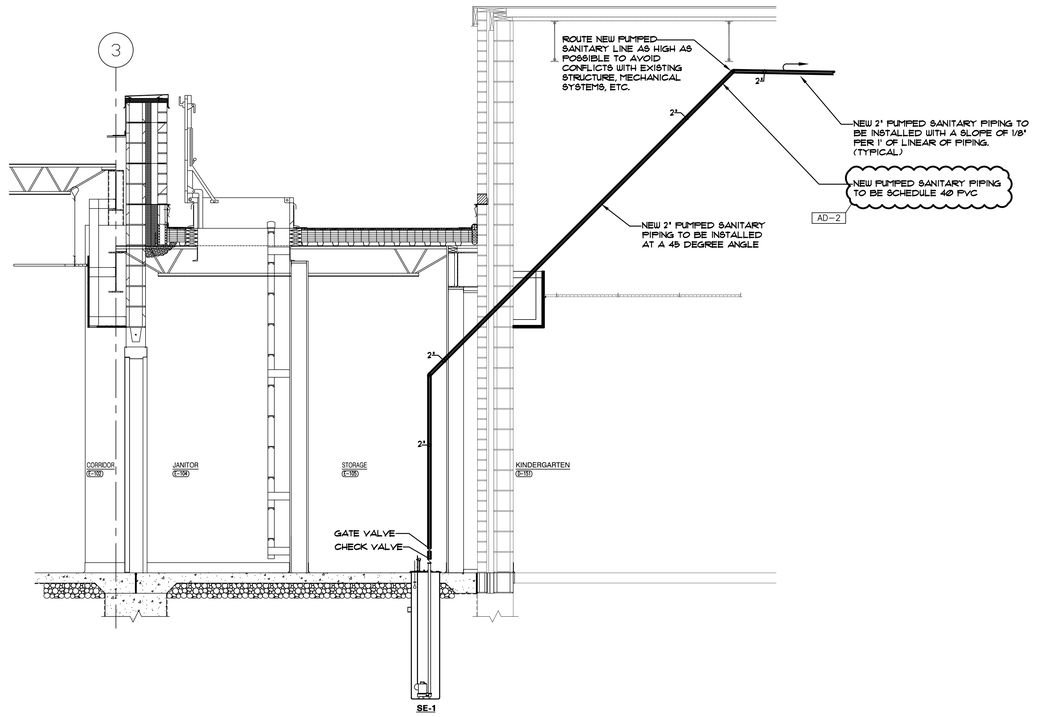
CC. PRIME AND PAINT EXPOSED PIPING IN FINISHED AREAS IN COLOR AS SELECTED BY OWNERS REPRESENTATIVE.

SYMBOLS AND ABBREVIATIONS

	EXISTING UNDERGROUND SANITARY PIPING
ST	EXISTING UNDERGROUND STORM SEWER
	EXISTING COLD WATER PIPING
	EXISTING HOT WATER PIPING
	EXISTING HOT WATER RECIRCULATION PIPING
FP	EXISTING FIRE PROTECTION PIPING
	NEW UNDERGROUND SANITARY SEWER
ST	NEW UNDERGROUND STORM SEWER
	NEW COLD WATER PIPING
	NEW HOT WATER PIPING
	NEW HOT WATER RECIRCULATION PIPING
	NEW VENT PIPING
ST	NEW OVERHEAD STORM PIPING
	NEW OVERHEAD SANITARY PIPING
FP	NEW FIRE PROTECTION PIPING
	PIPE PITCHED DOWN IN DIRECTION OF FLOW
	PIPE DOWN
	PIPE UP
	SHUT-OFF VALVE
	CHECK VALVE
	HOSE BIBB/SILL COCK
	BALANCING COCK/MANUAL FLOW CONTROL VALVE
T	THERMOMETER
P	PRESSURE GAUGE
	SHEET NOTE TAG

CO	CLEANOUT
CTE	CONNECT TO EXISTING
CW	COLD WATER
DN	DOWN
EX.	EXISTING
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
HW	HOT WATER
HWR	HOT WATER RECIRCULATION
L	LAVATORY
OFRD	OVERFLOW ROOF DRAIN
RCP	HOT WATER RECIRCULATION PUMP
RD	ROOF DRAIN
S	SINK
SC	SILL COCK
SE	SEWAGE EJECTOR
V	VENT
VTR	VENT THROUGH ROOF
WC	WATER CLOSET
WH	WATER HEATER
YCO	YARD CLEANOUT

SEWAGE EJECTOR DIAGRAM



GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES ENGINEERING GROUP
(317) 924-5400
www.milliesengineeringgroup.com

PROJECT
LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK
UNION NORTH UNITED SCHOOL CORPORATION
12645 TYLER RD
LAKEVILLE, IN 46536

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-128
DATE 08/24/20
COORDINATED BY BK
DRAWN BY GL, CC
CHECKED BY DJ

DAVID G. JANNETT REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/15/20	ADDENDUM NO. 2

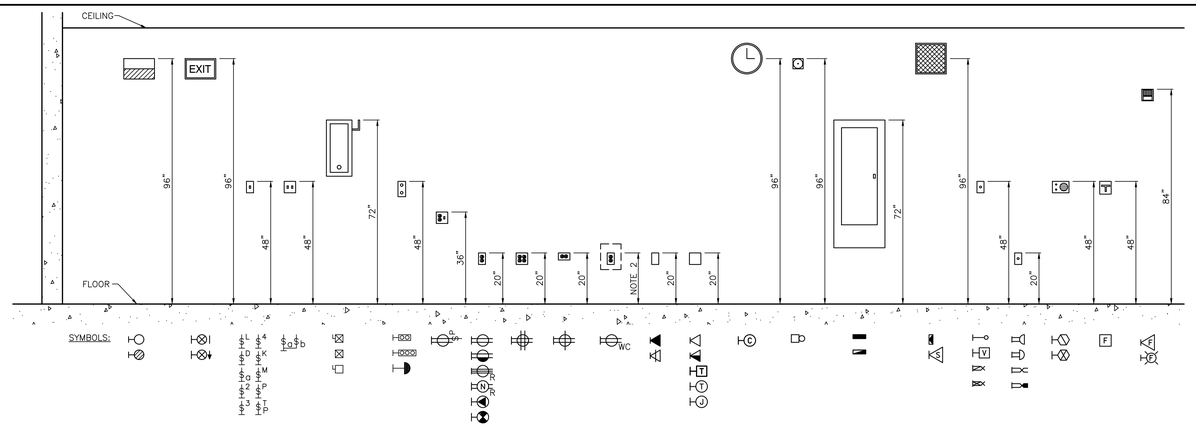
DRAWING
PLUMBING SYMBOLS, ABBREVIATIONS, DETAILS AND GENERAL NOTES

PROJECT
LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS

© GIBRALTAR DESIGN

SHEET
P-201

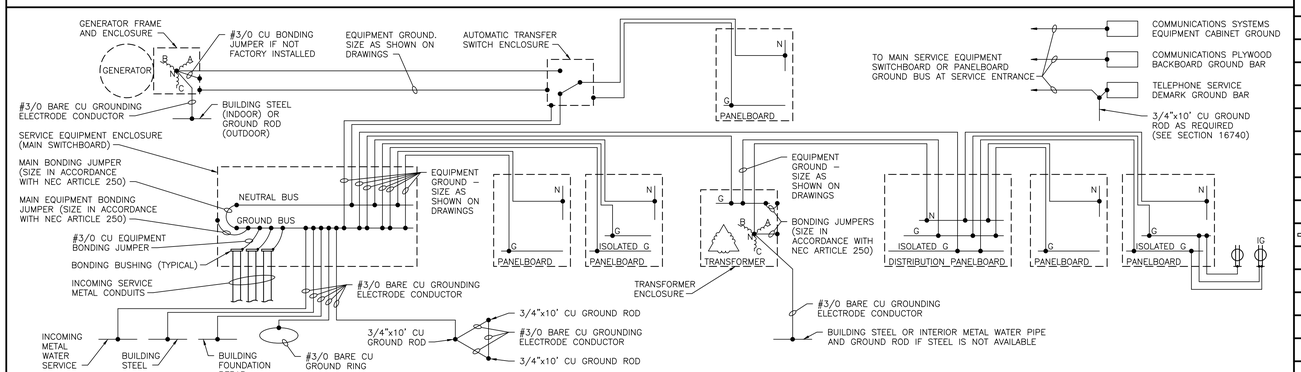
COPYRIGHT © 2020 MILLIES ENGINEERING GROUP



ELECTRICAL ELEVATION

NOT TO SCALE

NOTES:
1. EQUIPMENT MOUNTING HEIGHTS SHALL BE INDICATED UNLESS OTHERWISE NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS.
2. CONCEAL RECEPTACLE BEHIND WATER COOLER. VERIFY EXACT MOUNTING HEIGHTS.



TYPICAL GROUNDING DETAIL

NOT TO SCALE

GENERAL ELECTRICAL PROJECT NOTES - APPLY TO ALL ELECTRICAL SHEETS:

1. ALL WORK INDICATED ON THE ELECTRICAL DRAWINGS IS NEW AND BY THIS CONTRACTOR UNLESS OTHERWISE INDICATED.
2. VERIFY ALL DIMENSIONS FROM ARCHITECTURAL PLANS.
3. DIMENSIONS SHOWN ON DEVICES, EQUIPMENT, ETC. SHALL BE TO THE TOP OF THE DEVICE, EQUIPMENT, ETC. ABOVE THE FINISHED FLOOR UNLESS OTHERWISE NOTED.
4. PROVIDE ALL DISCONNECTS, STARTERS, OUTLETS, RECEPTACLES, WIRING, CONDUIT, PATHWAYS, ETC. AS REQUIRED TO PROPERLY CONNECT ALL EQUIPMENT. FIELD VERIFY REQUIREMENTS WITH APPROVED SUBMITTALS, NAME PLATES, EQUIPMENT SUPPLIERS, ETC. PRIOR TO INSTALLATION. ADJUST SIZE OF DISCONNECTS, BREAKERS, WIRING, ETC. AS REQUIRED TO COMPLETE THE ELECTRICAL INSTALLATION.
5. COORDINATE EXACT LOCATIONS OF LIGHTING FIXTURES, WIRING DEVICES, OUTLETS, ETC. WITH ARCHITECTURAL PLANS, SCHEDULES, ELEVATIONS, DETAILS AND APPROVED SUBMITTALS PRIOR TO ROUGH–IN AND ADJUST ACCORDINGLY.
6. FIELD VERIFY EXACT LOCATION OF LIGHTING FIXTURES, FIRE ALARM DEVICES, SECURITY SYSTEM DEVICES, ETC., IN ROOMS THAT CONTAIN EXPOSED DUCTWORK AND PIPING AND RELOCATE AS REQUIRED BY THE ARCHITECT.
7. WHERE OCCUPANCY SENSORS ARE INDICATED ON PLANS, THE ENTIRE ROOM SHALL BE COVERED. MANUFACTURER IS RESPONSIBLE FOR SENSOR LAYOUT. ADDITIONAL SENSORS REQUIRED FOR LACK OF COVERAGE SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. PROVIDE QUANTITY AS REQUIRED BUT NO LESS THAN WHAT IS SHOWN. CEILING AND WALL MOUNTED SENSORS SHALL BE DUAL TECHNOLOGY TYPE. SENSORS SHALL INCLUDE ALL POWER SUPPLIES AND RELAYS NECESSARY TO CONTROL THE LIGHT FIXTURES.
8. ALL CIRCUITS ARE 20 AMP, SINGLE–POLE UNLESS OTHERWISE INDICATED.
9. MINIMUM WIRE SIZE SHALL BE 12 AWG UNLESS OTHERWISE INDICATED. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE INDICATED.
10. ALL CIRCUITS SHALL CONTAIN A GROUND WIRE.
11. EACH NEUTRAL WIRE SHALL BE DEDICATED TO A CIRCUIT. DO NOT SHARE NEUTRAL WIRING WITH MULTIPLE CIRCUITS.
12. PROVIDE #10 WIRING FOR ALL 120 VOLT, 20 AMP CIRCUITS EXCEEDING 75 FEET IN LENGTH AND FOR ALL 277V CIRCUITS EXCEEDING 175 FEET IN LENGTH UNLESS OTHERWISE NOTED WITH LARGER WIRING.
13. PROVIDE BLANK COVER PLATES FOR ALL EMPTY OUTLET BOXES. BLANK COVER PLATES SHALL MATCH WIRING DEVICE COVER PLATES IN SIZE, TYPE, AND COLOR. CEILING AND CLOUD MOUNTED OUTLET BOX COVERPLATE TYPE AND COLOR SHALL BE SELECTED BY THE ARCHITECT.
14. PROVIDE PULL–WIRE IN ALL EMPTY CONDUITS.
15. TERM "DEVICES" WHERE USED SHALL INCLUDE VOICE/DATA JACKS AND OUTLETS, OTHER COMMUNICATIONS DEVICES, SECURITY DEVICES, FIRE ALARM DEVICES, ETC. UNLESS OTHERWISE SPECIFICALLY NOTED.
16. PROVIDE BOXES WITH CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE FOR ALL COMMUNICATIONS DEVICES SUCH AS FIRE ALARM, SECURITY, DOOR CONTROL, VOICE/DATA, NURSE CALL, INTERCOM, ETC. UNLESS OTHERWISE NOTED.
17. PROVIDE CONDUIT STUBS THROUGH WALLS ABOVE CEILING FOR CABLING AS REQUIRED FOR COMPLETE AND OPERATIONAL SYSTEMS.
18. PROVIDE PLASTIC BUSHINGS ON THE ENDS OF ALL COMMUNICATION SYSTEMS CONDUIT UNLESS OTHERWISE NOTED.
19. VERIFY HEIGHT AND LOCATION OF OUTLETS BEHIND WATER COOLERS WITH OTHER TRADES SO THAT OUTLETS ARE CONCEALED.
20. ALL EXTERIOR DUPLEX RECEPTACLES SHALL BE GFCI WITH "WHILE–IN–USE" WEATHER PROOF COVERS.
21. DEMOLITION, CUTTING, PATCHING, CORE DRILLING, AND PAINTING FOR ELECTRICAL WORK, WHETHER SHOWN OR NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR. CONTRACTOR IS REPSONSIBLE FOR REVIEW OF ALL DRAWINGS AND SPECIFICATIONS OF THIS PROJECT.
22. CONDUIT TO LIGHTS IS SHOWN TO INDICATE SWITCHING AND DOES NOT INDICATE QUANTITY OR EXACT LOCATION. OTHER CONDUIT SHOWN INDICATES CONNECTION, BUT DOES NOT INDICATE QUANTITY OR LO
23. CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING AND INSPECTING THE EXISTING SITE PRIOR TO BID AND BECOMING FAMILIAR WITH THE CONDITIONS AFFECTING THE WORK. VERIFY SIZE, LOCATION AND OTHER PARAMETERS OF THE EXISTING CONDITIONS. NO ADDITIONAL COSTS WILL BE PAID TO THE CONTRACTOR BECAUSE OF FAILURE TO OBTAIN INFORMATION ON EXISTING CONDITIONS. DEMOLITION WORK INDICATED IN THE SPECIFICATION AND ON THE DRAWINGS IS BASED ON CASUAL FIELD OBSERVATION AND EXISTING DRAWINGS WHEN AVAILABLE.
24. NOT ALL EQUIPMENT, DEVICES, RACEWAYS, WIRING, ETC. TO BE REMOVED ARE SHOWN. FIELD VERIFY ALL SUCH EQUIPMENT, DEVICES, RACEWAYS, WIRING, ETC. THAT ARE INDICATED TO BE REMOVED WHETHER OR NOT SHOWN ON THE DRAWINGS.
25. REMOVE DEVICES IN WALLS, CEILINGS, FLOORS, ETC. SCHEDULED FOR DEMOLITION.
26. FOR ELECTRICAL EQUIPMENT AND DEVICES INDICATED TO BE REMOVED: DISCONNECT AND REMOVE THESE ITEMS INCLUDING ALL RACEWAY, WIRING, HANGERS, ETC. NO LONGER REQUIRED WITH NEW CONSTRUCTION UNLESS OTHERWISE NOTED.
27. MAINTAIN ELECTRICAL SYSTEMS THAT ARE TO REMAIN: INTERCEPT AND EXTEND OR REROUTE CIRCUITS, FEEDERS, CABLING, ETC. THAT SERVES EQUIPMENT THAT ARE ROUTED THROUGH STRUCTURES, WALLS, ETC. NOTED TO BE REMOVED OR CONNECTED TO EQUIPMENT OR DEVICES BEING REMOVED OR IN THE PATH OF NEW WORK BY ANY TRADE.
28. REMOVE AND REINSTALL ALL EXISTING MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DEVICES TO ACCOMMODATE NEW CONSTRUCTION. REINSTALL ITEMS NOT SCHEDULED FOR REPLACEMENT FOR PROPER FUNCTION OF ALL EXISTING ASSEMBLIES TO REMAIN.
29. FOR ELECTRICAL EQUIPMENT AND DEVICES INDICATED TO BE RELOCATED OR REMOVED AND REINSTALLED: DISCONNECT AND REMOVE THESE ITEMS INCLUDING ALL RACEWAY, WIRING, HANGERS, ETC. NO LONGER REQUIRED WITH NEW CONSTRUCTION. CLEAN EQUIPMENT AND DEVICES. INSTALL IN NEW LOCATION INDICATED. INTERCEPT AND EXTEND OR REROUTE CIRCUITS, FEEDERS, CABLING, ETC. THAT SERVES THESE ITEMS TO THE RELOCATED EQUIPMENT OR DEVICE UNLESS OTHERWISE NOTED.
30. RELOCATED OR REMOVED AND REINSTALLED ITEMS SHALL BE CLEANED AND PLACED IN STORAGE UNTIL ITEMS ARE READY TO BE REINSTALLED. IF ITEM IS DAMAGED, IT SHALL BE REPAIRED OR REPLACED WITH NEW ITEM AS APPROVED.
31. REFER TO MECHANICAL, PLUMBING AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL ITEMS NOT INDICATED ON THE ELECTRICAL DRAWINGS WITH ELECTRICAL CONNECTIONS TO BE REMOVED. FOR ALL SUCH ITEMS ELECTRICALLY DISCONNECT AND REMOVE ELECTRICAL EQUIPMENT, DEVICES, WIRING, RACEWAY ETC. NO LONGER REQUIRED FOR NEW CONSTRUCTION. COORDINATE WITH OTHER TRADES FOR ALL SUCH ITEMS.
32. REFER TO MECHANICAL, PLUMBING, CIVIL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL ITEMS NOT INDICATED ON THE ELECTRICAL DRAWINGS WITH ELECTRICAL CONNECTIONS TO BE RELOCATED. FOR ALL SUCH ITEMS ELECTRICALLY DISCONNECT COMPLETE AT NEW LOCATION. COORDINATE WITH OTHER TRADES FOR ALL SUCH ITEMS. REMOVE ELECTRICAL EQUIPMENT, DEVICES, WIRING, RACEWAY ETC. NO LONGER REQUIRED FOR NEW CONSTRUCTION.
33. EXISTING RACEWAY AND BOXES NO LONGER REQUIRED WITH NEW CONSTRUCTION LOCATED IN WALLS, CEILINGS, FLOORS, ETC. THAT REMAIN SHALL BE ABANDONED. REMOVE ALL ACCESSIBLE RACEWAY INCLUDING CONDUIT ABOVE ACCESSIBLE CEILINGS AND SURFACE BOXES.
34. REUSE OF EXISTING CONDUIT IN PLACE IS PERMITTED WHERE SUCH USE IS IN GOOD CONDITION AND ALLOWED BY THE NATIONAL ELECTRICAL CODE EXCEPT REUSING UNDERGROUND FEEDER CONDUITS IS NOT PERMITTED.
35. REMOVE AND REINSTALL ELECTRICAL EQUIPMENT, DEVICES, ETC. THAT ARE TO REMAIN TO ACCOMMODATE NEW WALL FINISHES. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ALL SUCH REQUIREMENTS.
36. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL FOR ALL EXISTING EQUIPMENT AND MATERIAL BEING REMOVED.
37. CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REINSTALLING ALL CEILING PADS AND CEILING GRIDS, NOT INDICATED ON ARCHITECTURAL DRAWINGS, AS NECESSARY TO COMPLETE ALL ELECTRICAL WORK.
37. WHEN RECONNECTING EXISTING LOADS TO NEW CIRCUITS, CONNECT A MAXIMUM OF 3000 WATTS TO A 277V LIGHTING CIRCUIT, 1200 WATTS TO A 120V LIGHTING CIRCUIT AND NO MORE THAN 5 GENERAL PURPOSE DUPLEX RECEPTACLES TO A 120V CIRCUIT.
38. VOICE/DATA AND FIRE ALARM SYSTEMS INFRASTRUCTURE: PROVIDE OUTLET BOXES, BACK BOXES, CONDUIT AND ALL POWER REQUIRED AS WELL AS ALL DEVICES, EQUIPMENT, CABLING, COVERPLATES, ETC TO COMPLETE THE INSTALLATION AND PROVIDE COMPLETE AND OPERABLE SYSTEMS.
39. ROUGH–IN FOR ALL TEMPERATURE CONTROL SENSORS WITHIN THE BUILDING SHALL BE DONE BY THE ELECTRICAL CONTRACTOR, REFER TO THE FLOOR PLANS FOR LOCATIONS. DIVISION 26 TO PROVIDE ROUGH–IN BOXES AND CONDUITS AS NEEDED.
40. CONTRACTOR SHALL PHOTO DOCUMENT EXISTING FIELD CONDITIONS PRIOR TO START OF CONSTRUCTION IN ALL AREAS WHERE WORK IS TO OCCUR, WHICH WILL BE EXPOSED TO VIEW FROM FINISHED FLOOR OF AREAS WHERE WORK OCCURRED WHEN FINISHED.

ELECTRICAL SYMBOL SCHEDULE

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
a F-3	FLUORESCENT LIGHT FIXTURE (F–3 INDICATES FIXTURE TYPE; "a" INDICATES SWITCHING)	S	SPEAKER (CEILING MOUNTED–RECESSED)
a EF-3	FLUORESCENT LIGHT FIXTURE (EMERGENCY/WALK THRU/SECURITY) (F–3 INDICATES FIXTURE TYPE)	S S	SPEAKER (CEILING MOUNTED–SURFACE)
a K–3	INCANDESCENT/HIGH INTENSITY DISCHARGE LIGHT FIXTURE (K–3 INDICATES FIXTURE TYPE, "a" INDICATES SWITCHING)	S VC	SPEAKER WITH BUILT–IN VOLUME CONTROL (CEILING MOUNTED–RECESSED)
a K–3	INCANDESCENT/HIGH INTENSITY DISCHARGE WALL MOUNTED LIGHT FIXTURE (K–3 INDICATES FIXTURE TYPE, "a" INDICATED SWITCHING)	S SC	SPEAKER – UNLIFTED CIRCUIT FROM SCHOOL INTERCOM SOUND SYSTEM (CEILING MOUNTED–RECESSED)
a K–3	INCANDESCENT/HIGH INTENSITY DISCHARGE LIGHT FIXTURE (EMERGENCY/WALK THRU/ SECURITY) (K–3 INDICATES FIXTURE TYPE)	S PM	SPEAKER – PROGRAM MONITOR (CEILING MOUNTED–RECESSED)
K–2	EXIT SIGN – CEILING MOUNTED (BAR INDICATES FACE; K–2 INDICATES FIXTURE TYPE)		SPEAKER (WALL MOUNTED)
K–2	EXIT SIGN – CEILING MOUNTED (ARROW INDICATES FACE WITH DIRECTIONAL ARROW; K–2 INDICATES FIXTURE TYPE)	K	SPEAKER (PAGING HORN TYPE)
K–2	EXIT SIGN – WALL MOUNTED (BAR INDICATES FACE; K–2 INDICATES FIXTURE TYPE)	IC IC	SCHOOL INTERCOM CALL–IN ENTRY/SPEAKER STATION
K–2	EXIT SIGN – WALL MOUNTED (ARROW INDICATES FACE WITH DIRECTIONAL ARROW; K–2 INDICATES FIXTURE TYPE)		PUSH–TO–CALL SWITCH
K–1	POLE MOUNTED LIGHT FIXTURE (K–1 INDICATES FIXTURE TYPE)	V	SCHOOL INTERCOM VOLUME CONTROL, UNLESS OTHERWISE NOTED
L	3 AMPERE RATED 25 VOLT SWITCH (LOW VOLTAGE SYSTEM)	K	INTERCOMMUNICATIONS SYSTEM ADMINISTRATIVE CONTROL STATION
D	WALL DIMMER	T	INTERCOMMUNICATIONS SYSTEM ADMINISTRATIVE CONTROL STATION FLOOR OUTLET ("T" INDICATES TYPE)
a	20 AMPERE RATED 120/277 VOLT SINGLE POLE SWITCH ("a" INDICATES LIGHT FIXTURE SWITCHING)		MICROPHONE INPUT JACK (FEMALE CONNECTOR)
2	20 AMPERE RATED 120/277 VOLT TWO POLE SWITCH		MICROPHONE INPUT JACK (MALE CONNECTOR)
3	20 AMPERE RATED 120/277 VOLT THREE WAY SWITCH	T	MICROPHONE FLOOR OUTLET ("T" INDICATES TYPE)
4	20 AMPERE RATED 120/277 VOLT FOUR WAY SWITCH		AUXILIARY INPUT JACK
M	20 AMPERE RATED 120/277 VOLT MOMENTARY SWITCH		MONITOR SPEAKER OUTPUT JACK
K	KEY OPERATED SWITCH		SOUND JUNCTION BOX/TERMINAL CABINET
P	SWITCH WITH PILOT LIGHT	T	AUXILIARY INPUT FLOOR OUTLET ("T" INDICATES TYPE)
a b	MULTIPLE SWITCHES GANGED IN MULTI–GANG BOX WITH SINGLE COVERPLATE		MULTIPLE JACK SOUND SYSTEM INPUT/OUTPUT PANEL
OS	OCCUPANCY SENSOR SWITCH		WALL MOUNTED, SINGLE CHANNEL INTERCOM STATION
OS,D	OCCUPANCY SENSOR/DIMMER SWITCH		WALL MOUNTED, TWO CHANNEL INTERCOM STATION
(S) a	OCCUPANCY SENSOR – WALL MOUNTED ("a" INDICATES SWITCH LEG(S) WIRED IN SERIES WITH OCCUPANCY SENSOR)		SINGLE CHANNEL INTERCOM BELT–PAC JACK
(S) a	OCCUPANCY SENSOR – CEILING MOUNTED ("a" INDICATES SWITCH LEG(S) WIRED IN SERIES WITH OCCUPANCY SENSOR)		TWO CHANNEL INTERCOM BELT–PAC JACK
PC	PHOTOCELL		
TC	TIMECLOCK	FACP	FIRE ALARM SYSTEM CONTROL PANEL
T P	MANUAL MOTOR STARTER WITH THERMAL OVERLOADS AND PILOT LIGHT	FAAP	FIRE ALARM SYSTEM ANNUNCIATOR PANEL
J	COMBINATION MOTOR STARTER	F	FIRE ALARM SYSTEM MANUAL STATION
	MAGNETIC MOTOR STARTER	K	FIRE ALARM SYSTEM AUDIO/VISUAL UNIT
J	NONFUSED SAFETY SWITCH RATED FOR 30 AMPERES UNLESS OTHERWISE NOTED	F	FIRE ALARM SYSTEM MANUAL STATION WITH AUDIO/VISUAL UNIT LOCATED ABOVE
P	ON–OFF PUSH BUTTON OR SELECTOR SWITCH (P–INDICATES PILOT LIGHT)		FIRE ALARM SYSTEM VISUAL UNIT
P	HIGH–LOW–OFF PUSH BUTTON OR SELECTOR SWITCH (P–INDICATES PILOT LIGHT)	F A	FIRE ALARM SYSTEM AUTOMATIC AREA HEAT DETECTOR (135 DEGREE TEMPERATURE SETTING UNLESS OTHERWISE NOTED)
	RED MUSHROOM SHAPED PLUNGER PUSH BUTTON–USED FOR SHUNT TRIP	F A	FIRE ALARM SYSTEM AUTOMATIC AREA SMOKE DETECTOR
	MULTI–OUTLET ASSEMBLY SURFACE RACEWAY WITH RACEWAY MOUNTED DEVICES. DEVICE SPACING AS INDICATED ON FLOOR PLANS. SEE SPECIFICATIONS.	F D	FIRE ALARM SYSTEM AUTOMATIC DUCT SMOKE DETECTOR
G	SPECIAL IRONING RECEPTACLE IN TWO GANG BOX	RTS	FIRE ALARM SYSTEM SMOKE DETECTOR REMOTE TEST STATION
	20 AMPERE RATED 3 WIRE 125 VOLT GROUNDING TYPE DUPLEX RECEPTACLE	F	SPRINKLER SYSTEM FLOW SWITCH
	20 AMPERE RATED 3 WIRE 125 VOLT GROUNDING TYPE DOUBLE DUPLEX RECEPTACLE		SPRINKLER SYSTEM CONTROL VALVE TAMPER SWITCH
	20 AMPERE RATED 3 WIRE 125 VOLT GROUNDING TYPE DUPLEX RECEPTACLE (HORIZONTALLY MOUNTED)	DH	MAGNETIC DOOR HOLDER (PROVIDED BY DOOR HARDWARE SUPPLIER, WIRED COMPLETE BY DIVISION 26)
WC	20 AMPERE RATED 3 WIRE 125 VOLT GROUNDING TYPE DUPLEX RECEPTACLE CONCEALED BEHIND WATER COOLER (VERIFY EXACT HEIGHT AND LOCATION)	IC M	ENTRY VIDEO INTERCOM SYSTEM MASTER STATION
	20 AMPERE RATED, 5 WIRE, SPLIT WIRED 125 VOLT GROUNDING TYPE DUPLEX RECEPTACLE (CONSTANT AND CONTROLLED)	IC D	ENTRY VIDEO INTERCOM SYSTEM DOOR STATION
R	125/250 VOLT RATED 3 WIRE RECEPTACLE (R–INDICATES AMPERE RATING)	KP WP	ACCESS CONTROL OR SECURITY SYSTEM KEYPAD STATION ("WP" DENOTES WEATHERPROOF)
N R	250 VOLT RATED RECEPTACLE (N–INDICATES NUMBER OF POLES; R–INDICATES AMPERE RATING)	CR WP	ACCESS CONTROL SYSTEM CARD READER ("WP" DENOTES WEATHERPROOF) – NOTES 4 AND 5
	SPECIAL RECEPTACLE–SEE FLOOR PLANS FOR NEMA CONFIGURATION	TP	SECURITY SYSTEM TEMPERATURE ALARM SENSOR
	20 AMPERE RATED 3 WIRE 125 VOLT LOCKING GROUNDING TYPE RECEPTACLE – CEILING MOUNTED	DR	PUSH PLATE FOR POWER ASSISTED OPERATOR PROVIDED BY DOOR MANUFACTURER. DIVISION 26 TO INSTALL THE OPERATOR AT +36" – NOTE 6.
T	FLOOR POCKET (SHADED AREA INDICATES HINGED PART OF LID – "T" INDICATES TYPE)	M/IR	MOTION DETECTOR–DUAL TECHNOLOGY
A	FLOOR OUTLET ("A" INDICATES TYPE)		MAGNETIC SWITCH FOR INTRUSION DETECTION SYSTEM – NOTE 4
B	FLOOR OUTLET WITH TELEPHONE OUTLET ("B" INDICATES TYPE) – NOTE 3		VIDEO SURVEILLANCE CAMERA ROUGH–IN. PROVIDE FLUSH MOUNTED SINGLE–GANG OUTLET BOX WITH 3/4" CONDUIT ROUTED TO ABOVE ACCESSIBLE CEILING. CAMERA PROVIDED UNDER SEPARATE CONTRACT. PROVIDE BLANK COVERPLATE.
C X	FLOOR OUTLET WITH VOICE/DATA OUTLET ("C" INDICATES FLOOR OUTLET TYPE) ("X" INDICATES VOICE/DATA OUTLET TYPE) – NOTE 3		
D X	FLOOR OUTLET WITH DATA OUTLET ("D" INDICATES FLOOR OUTLET TYPE) ("X" INDICATES DATA OUTLET TYPE) – NOTE 3		NEW UTILITY POLE
W	TELEPHONE OUTLET – NOTE 3		EXISTING UTILITY POLE
X	VOICE/DATA OUTLET IN TWO GANG BOX, UNLESS OTHERWISE INDICATED, WITH 20 AMP RATED 3 WIRE 125 VOLT GROUNDING TYPE DOUBLE DUPLEX RECEPTACLE (X–INDICATES OUTLET TYPE) – NOTE 3	CH	CABINET HEATER
		CUV	CLASSROOM UNIT VENTILATOR
X	DATA OUTLET IN TWO GANG BOX, UNLESS OTHERWISE INDICATED, WITH 20 AMPERE RATED 3 WIRE 125 VOLT GROUNDING TYPE DOUBLE DUPLEX RECEPTACLE (X–INDICATES OUTLET TYPE) – NOTE 3	FCU	FAN COIL UNIT
T X	TELEVISION OUTLET (X–INDICATES OUTLET TYPE) – NOTE 3	FPB	FAN POWER BOX
T X	TELEVISION OUTLET IN CEILING (X–INDICATES OUTLET TYPE) – NOTE 3	UH	UNIT HEATER
T A	LOCAL ORIGINATION TELEVISION INPUT JACKS FOR AUDIO AND VIDEO (X–INDICATES OUTLET TYPE) – NOTE 3	VAV	VARIABLE AIR VOLUME BOX
T X R	REMOTE ORIGINATION TELEVISION INPUT JACKS FOR AUDIO AND VIDEO (X–INDICATES OUTLET TYPE) – NOTE 3	ACCU	AIR COOLED CONDENSING UNIT
C	CLOCK–SINGLE FACE – SEE SPECIFICATIONS	AHU	AIR HANDLING UNIT
	BELL	GFCI	GROUND FAULT CIRCUIT INTERRUPTER
	ELECTRICAL PANELBOARD	IG	ISOLATED GROUND
J	JUNCTION BOX–WALL MOUNTED (ALLOW 4'–0" OF WIRE FOR CONNECTION)	NL	NIGHT LIGHT
J	JUNCTION BOX–CEILING MOUNTED (ALLOW 4'–0" OF WIRE FOR CONNECTION)	REF	ROOF EXHAUST FAN
	CONDUIT STUB UP (COUPLING FLUSH WITH FINISHED FLOOR – SEE DETAIL), OR CONDUIT STUB INTO EQUIPMENT OR STRUCTURE (I.E. DOOR FRAME).	RTU	ROOF TOP UNIT
M	MOTOR	VP	VANDAL PROOF
W	CABINET HEATER/UNIT VENTILATOR/FAN COIL UNIT/UNIT HEATER/FAN POWER BOX PROVIDED BY DIVISION 23 AND WIRED COMPLETE BY DIVISION 26.	WG	WIRE GUARD
		TP	TAMPERPROOF (AD–2)
		WP	WEATHERPROOF

ELECTRICAL SYMBOL SCHEDULE NOTES:
1. NOT ALL SYMBOLS SHOWN ARE USED ON THIS PROJECT.
2. ON ELECTRICAL DEMOLITION SHEETS, DASHED SYMBOLS SHALL INDICATE EXISTING EQUIPMENT OR DEVICE TO BE REMOVED. EQUIPMENT AND DEVICES SHOWN IN SOLID LINES SHALL REMAIN UNLESS SPECIFICALLY OTHERWISE INDICATED.
3. SEE DETAILS ON E–600 SERIES DRAWINGS FOR ADDITIONAL INFORMATION FOR CONDUIT AND OUTLET BOX REQUIREMENTS.
4. SEE DETAIL ON E–600 SERIES DRAWINGS FOR ELECTRICAL ROUGH–IN AT DOOR.
5. PROVIDE SINGLE–GANG OUTLET BOX. PROVIDE 3/4 INCH CONDUIT FROM OUTLET BOX TO ACCESSIBLE CEILING FOR WIRING. PROVIDE A 3/4 INCH CONDUIT FROM SPACE AT TOP OF DOOR FRAME TO A JUNCTION ABOVE ACCESSIBLE CEILING FOR ELECTRIC DOOR STRIKE. (AD–2)

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK
UNION NORTH UNITED SCHOOL CORPORATION
12645 TYLER RD
LAKEVILLE, IN 46536

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20–128
DATE 08/24/20
COORDINATED BY PCB
DRAWN BY PCB
CHECKED BY DJW

DALE J. WAGLER REGISTERED NO. 19600171 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC, SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD–2	09/15/20	ADDENDUM NO. 2

DRAWING
ELECTRICAL SYMBOLS, DETAILS AND NOTES

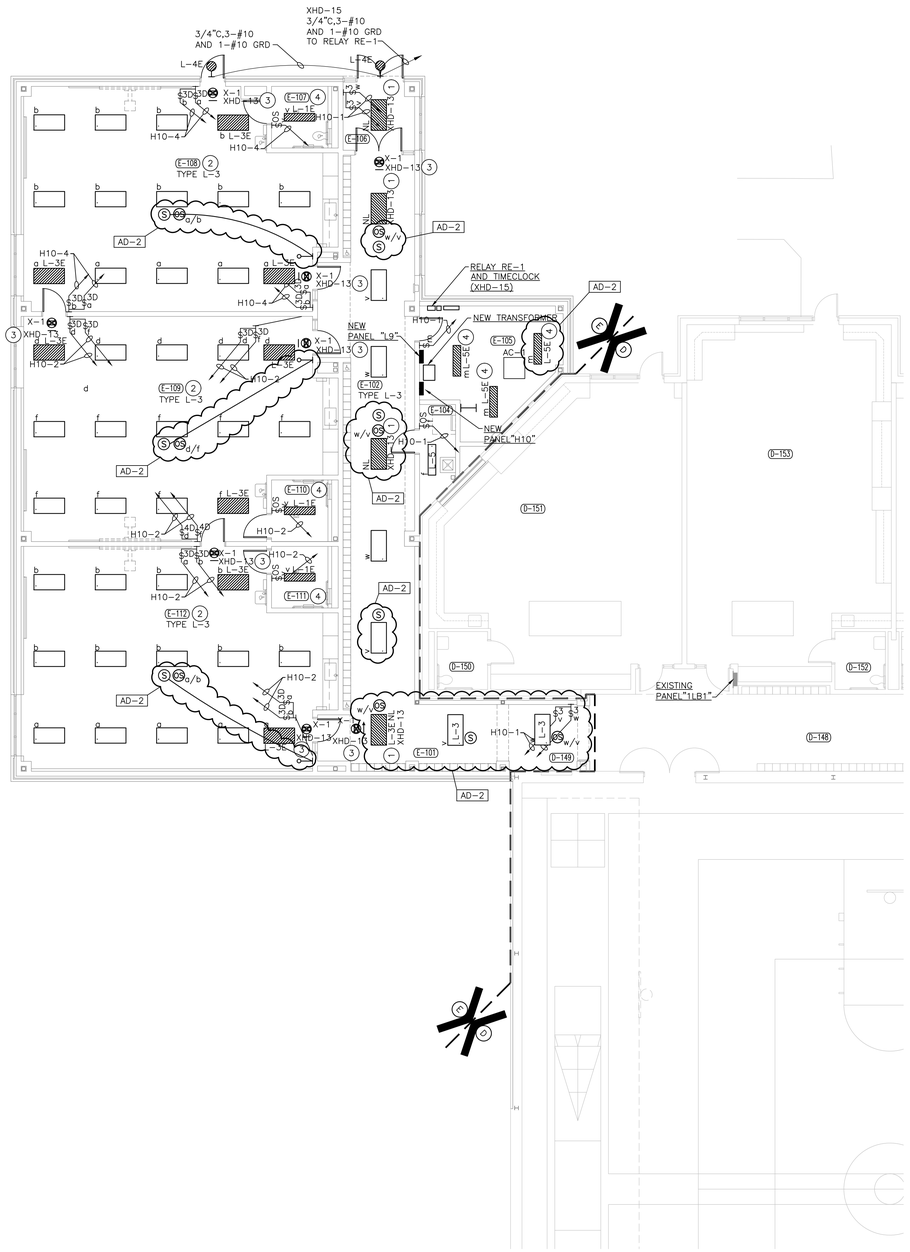
PROJECT
LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS

© GIBRALTAR DESIGN

SHEET
E-001

Tuesday, 9/15/2020 – 12:07 PM – LAST SAVED BY:JCHAMBERS
Y:\20–128 UNION–NORTH LAVILLE ES – 2020 IMPROVEMENTS\20–128 DRAWINGS\09 ELEC\E–001.DWG

ROOM LEGEND	
ROOM NO.	ROOM NAME
E-101	CORRIDOR
E-102	CORRIDOR
E-103	NOT USED
E-104	JANITOR
E-105	STORAGE
E-106	VESTIBULE
E-107	RESTROOM
E-108	CLASSROOM
E-109	CLASSROOM
E-110	RESTROOM
E-111	RESTROOM
E-112	CLASSROOM



UNIT "E" ELECTRICAL FIRST FLOOR LIGHTING PLAN

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

NORTH

GENERAL NOTES:

1. FOR ADDITIONAL GENERAL ELECTRICAL NOTES, SEE GENERAL ELECTRICAL PROJECT NOTES ON SHEET E-001.
2. SEE E-600 SHEETS FOR ELECTRICAL DETAILS AND SCHEDULES.
3. SEE E-700 SHEETS FOR ELECTRICAL DISTRIBUTION DIAGRAMS.

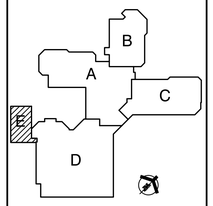
ELECTRICAL PLAN NOTES:

(ALL PLAN NOTES MAY NOT APPLY TO THIS SHEET.)

1. CONNECT LIGHTING FIXTURE TO EMERGENCY CIRCUIT XHD-13 AHEAD OF ANY CONTROLS TO SERVE AS A NIGHT/EMERGENCY LIGHT.
2. CONNECT TYPE L-3E LIGHTING FIXTURES IN THIS ROOM TO THE NORMAL CIRCUIT AND CONTROLS INDICATED AND CONNECT EMERGENCY GENERATOR TRANSFER DEVICE TO EMERGENCY CIRCUIT XHD-13.
3. CONNECT NEW EXIT SIGN LIGHTING FIXTURE TO THE EXISTING EMERGENCY LIGHTING CIRCUIT SERVING THIS AREA AHEAD OF ANY CONTROLS.
4. CONNECT TYPE L-4E LIGHTING FIXTURES IN THIS ROOM TO THE NORMAL CIRCUIT AND CONTROLS INDICATED AND CONNECT EMERGENCY GENERATOR TRANSFER DEVICE TO EMERGENCY CIRCUIT XHD-13.

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK
UNION NORTH UNITED SCHOOL CORPORATION
12645 TYLER RD
LAKEVILLE, IN 46536



FIRST FLOOR KEYPLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-128
DATE 08/24/20
COORDINATED BY PCB
DRAWN BY PCB/JVC
CHECKED BY DJW

DALE J. WAGNER REGISTERED NO. 19600171 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/15/20	ADDENDUM NO. 2

DRAWING
UNIT "E" ELECTRICAL FIRST FLOOR LIGHTING PLAN

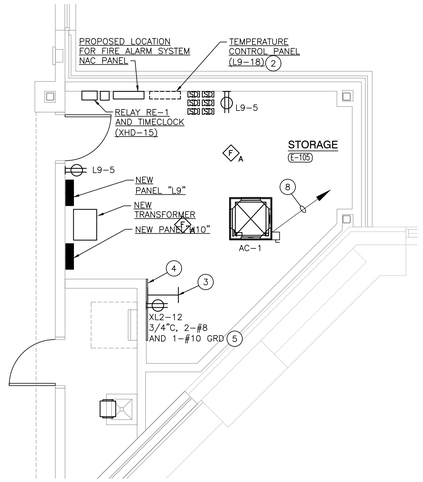
PROJECT
LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS

© GIBRALTAR DESIGN

SHEET
E-105

Tuesday, 9/15/2020 - 12:06 PM - LAST SAVED BY:JCHAMBERS
Y:\20-128 UNION-NORTH LAVILLE ES - 2020 IMPROVEMENTS\20-128 DRAWINGS\09 ELEC\E-105.DWG

ROOM LEGEND	
ROOM NO.	ROOM NAME
E-101	CORRIDOR
E-102	CORRIDOR
E-103	NOT USED
E-104	JANITOR
E-105	STORAGE
E-106	VESTIBULE
E-107	RESTROOM
E-108	CLASSROOM
E-109	CLASSROOM
E-110	RESTROOM
E-111	RESTROOM
E-112	CLASSROOM



ENLARGED ELECTRICAL PLAN OF ROOM E-105

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

NORTH

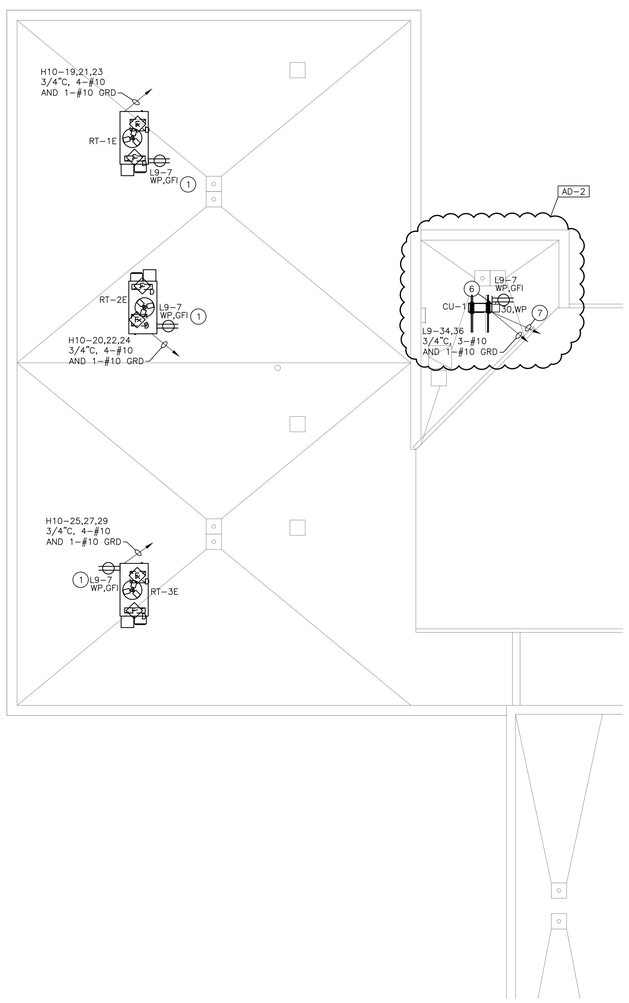
GENERAL NOTES:

1. FOR ADDITIONAL GENERAL ELECTRICAL NOTES, SEE GENERAL ELECTRICAL PROJECT NOTES ON SHEET E-001.
2. SEE E-600 SHEETS FOR ELECTRICAL DETAILS AND SCHEDULES.
3. SEE E-700 SHEETS FOR ELECTRICAL DISTRIBUTION DIAGRAMS.
4. REMOVE AND RE-INSTALL ALL EXISTING MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DEVICES TO ACCOMMODATE NEW CONSTRUCTION. RE-INSTALL ITEMS NOT SCHEDULED FOR REPLACEMENT FOR PROPER FUNCTION OF ALL EXISTING ASSEMBLIES TO REMAIN.
5. LOOSE FURNITURE INCLUDING BUT NOT LIMITED TO FIXTURES, DESK, CHAIRS, CABINETS AND BOOKS SHALL BE MOVED AND STORED BY THE OWNER. ANY REMAINING ITEMS FOUND IN CLASSROOM IN WAY OF CONTRACTOR SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER IMMEDIATELY PRIOR TO START OF CONSTRUCTION FOR OWNER COORDINATION.

ELECTRICAL PLAN NOTES:

(ALL PLAN NOTES MAY NOT APPLY TO THIS SHEET.)

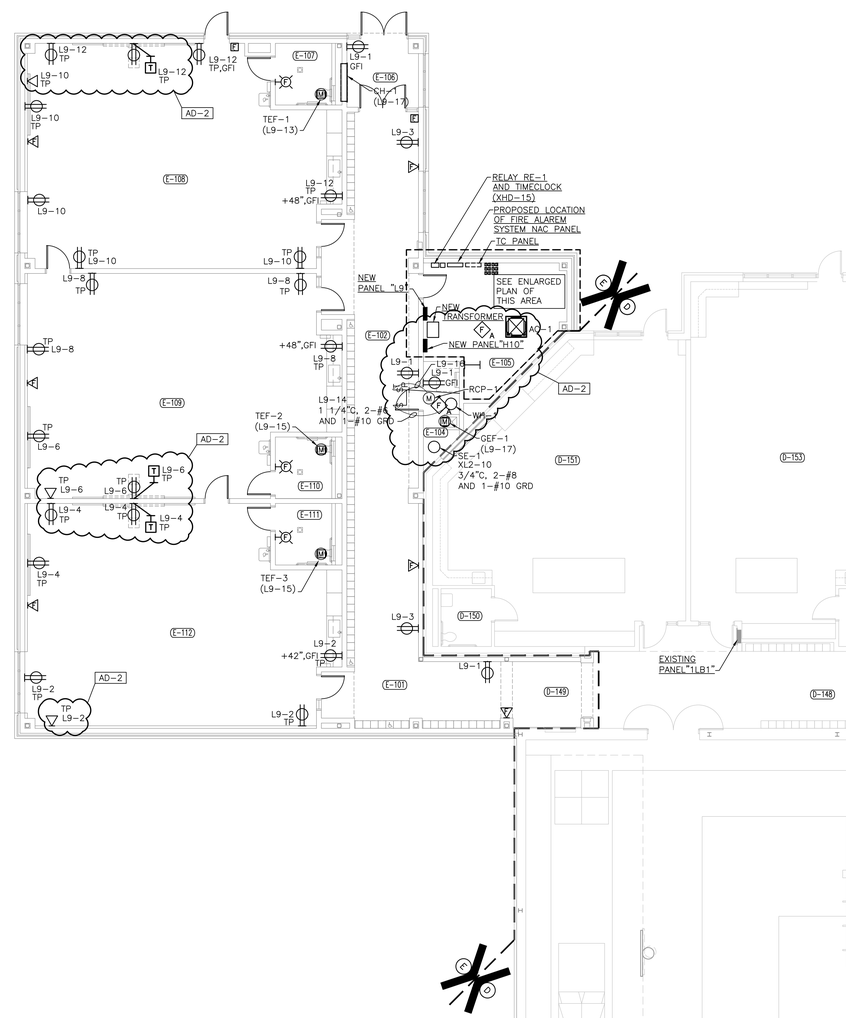
1. PROVIDE THE APPROPRIATE GALVANIZED STRUCTURAL STEEL CHANNEL SUPPORTS FOR THE NEW WEATHERPROOF GFI RECEPTACLE AND CONNECT TO CIRCUIT INDICATED WITH 3/4"C, 2-#10 AND 1-#10 GRD.
2. CONNECT THE NEW CONTROL PANELS TO CIRCUIT L9-18. PROVIDE 2-GANG BOX WITH COVERPLATE FOR DATA OUTLET AND STUB A 1" CONDUIT ROUTED FROM OUTLET BOX TO A POINT ABOVE THE ACCESSIBLE CEILING IN THE CORRIDOR FOR OWNER'S DATA CABLES.
3. PROPOSED LOCATION OF NEW IDF BY OWNER.
4. PROVIDE A 4'X8'X3/4" PLYWOOD BACKBOARD TO TECHNOLOGY EQUIPMENT. VERIFY EXACT LOCATION WITH OWNER/ARCHITECT AND CONSTRUCTION MANAGER PRIOR TO ROUGHING-IN.
5. POWER RECEPTACLE FOR IDF. VERIFY EXACT LOCATION WITH OWNER/ARCHITECT AND CONSTRUCTION MANAGER PRIOR TO ROUGHING-IN.
6. PROVIDE THE APPROPRIATE GALVANIZED STRUCTURAL STEEL CHANNEL SUPPORTS FOR WEATHERPROOF DISCONNECT AND THE NEW WEATHERPROOF GFI RECEPTACLE.
7. PROVIDE POWER CONNECTION FOR AC-1. 3/4"C, 3-#10 AND 1-#10 GRD. (AD-2)
8. PROVIDE A 2P-30 AMP DISCONNECT AND CONNECT TO CU-1 WITH 3/4"C, 3-#10 AND 1-#10 GRD.



UNIT "E" ELECTRICAL ROOF PLAN

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

NORTH



UNIT "E" ELECTRICAL FIRST FLOOR POWER PLAN

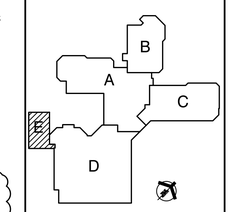
SCALE: 1/8" = 1'-0"

NORTH

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK

UNION NORTH UNITED SCHOOL CORPORATION
12645 TYLER RD
LAKEVILLE, IN 46536



FIRST FLOOR KEYPLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-128
DATE 08/24/20
COORDINATED BY PCB
DRAWN BY PCB
CHECKED BY DJW

DALE J. WAGNER REGISTERED NO. 19600171 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC, SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/15/20	ADDENDUM NO. 2

DRAWING
UNIT "E" ELECTRICAL FIRST FLOOR POWER PLAN

PROJECT
LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS

© GIBRALTAR DESIGN

SHEET
E-205

Tuesday, 9/15/2020 - 11:48 AM - LAST SAVED BY:PBROWN
Y:\20-128 UNION-NORTH LAVILLE ES - 2020 IMPROVEMENTS\20-128 DRAWINGS\09 ELEC\E-205.DWG

LAVILLE ELEMENTARY SCHOOL PANELBOARD SCHEDULE

MARK & TYPE
"XLP"
TYPE: EXISTING SQ D NQ
120/208V, 3 PH, 4W
50 AMP MAIN BREAKER
NEMA 1
SURFACE MOUNTED

REMARKS
EXISTING SQUARE D PANELBOARD
BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
CIRCUIT BREAKERS SHALL HAVE MINIMUM 22,000 AMP INTERRUPTING CAPACITY - TYPE QOB-BH.

DESCRIPTION	CIR	POLE	TRIP	LTS	REC	EQUIP	A	B	C	HEAT	A/C	FUTR	POLE	TRIP	CIR	DESCRIPTION
COOLER LIGHTS	1	1	20	1.00			1.00									
						1.00	1.00						1	20	2	EMERGENCY GENERATOR BATTERY CHARGER
COOLER HEATER	3	1	20			1.00		1.00								
						1.00		1.00					1	20	4	EM. GEN. HEATER
CONTROL PANEL	5	1	20			1.00			1.00							
				1.00					1.00				1	20	6	FREEZER LIGHTS
SPARE	7	1	20													
						1.00	1.00						1	20	8	FREEZER HEATER
SPARE	9	1	20													
													1	20	10	**SEWAGE EJECTOR SE-1**
SPARE	11	1	20													
				1.50					1.50				1	20	12	**E-105 RECP (IDF)**
FREEZER COMPRESSOR (3 HP)	13	3	20			1.32	1.32									
																COOLER COMPRESSOR (1 1/2 HP)
						0.83	0.83						3	20	14	
	15					1.32		1.32								
						0.83		0.83							16	
	17					1.32			1.32							
						0.83			0.83						18	
TOTAL CONNECTED LOAD (kVA)				2.00	1.50	11.45	5.15	4.15	5.65							
TOTAL DEMAND LOAD (kVA)				2.00	1.50	11.45										

LAVILLE ELEMENTARY SCHOOL PANELBOARD SCHEDULE

MARK & TYPE
"H10"
TYPE: SQ D NF OR APPROVED EQUAL
277/480V, 3 PH, 4W
225 AMP MAIN LUGS
NEMA 1
SURFACE MOUNTED

REMARKS
BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
CIRCUIT BREAKERS SHALL HAVE MINIMUM 18,000 AMP INTERRUPTING CAPACITY - TYPE EDB.

DESCRIPTION	CIR	POLE	TRIP	LTS	REC	EQUIP	A	B	C	HEAT	A/C	FUTR	POLE	TRIP	CIR	DESCRIPTION
D-149,E-101,102,103, 104,105,106 LIGHTS	1	1	20	2.00			2.00									
				1.00			1.00						1	20	2	E-110,111 LIGHTS
BUILDING EXTERIOR LIGHTS (RE-1)	3	1	20	0.08				0.08								
																E-107,108,109,110
				2.00				2.00					1	20	4	LIGHTS
RELAY RE-1 CONTROL	5	1	20			1.00			1.00							
													1	20	6	SPARE
SPARE	7	1	20													
													1	20	8	SPARE
SPARE	9	1	20													
													1	20	10	SPARE
SPARE	11	1	20													
													1	20	12	SPARE
SPARE	13	1	20													
													1	20	14	SPARE
SPARE	15	1	20													
													1	20	16	SPARE
SPARE	17	1	20													
													1	20	18	SPARE
RT-1E (21 FLA)	19	3	30			6.00	6.00									
						5.30	5.30						3	25	20	RT-2E (19 FLA)
	21					6.00		6.00								
						5.30		5.30							22	
	23					6.00			6.00							
						5.30			5.30						24	
RT-3E (19 FLA)	25	3	25			5.30	5.30									
																30 KVA XFMR (PANEL "L9"
					2.52	0.83	3.35						3	70	26	
	27					5.30		5.30								
					1.98	1.34		3.32							28	
	29					5.30			5.30							
					1.80	0.67			2.47						30	
	31	1	20													
													1	20	32	
	33	1	20													
													1	20	34	
	35	1	20													
													1	20	36	
	37	1	20													
													1	20	38	
	39	1	20													
													1	20	40	
	41	1	20													
													1	20	42	

LAVILLE ELEMENTARY SCHOOL PANELBOARD SCHEDULE

MARK & TYPE
"L9"
TYPE: SQ D NQ OR APPROVED EQUAL
120/208V, 3 PH, 4W
100 AMP MAIN BREAKER
NEMA 1
SURFACE MOUNTED

REMARKS
BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
CIRCUIT BREAKERS SHALL HAVE MINIMUM 22,000 AMP INTERRUPTING CAPACITY - TYPE QOB-BH.

DESCRIPTION	CIR	POLE	TRIP	LTS	REC	EQUIP	A	B	C	HEAT	A/C	FUTR	POLE	TRIP	CIR	DESCRIPTION
E-101, 102, 104 RECPS	1	1	20		0.54		0.54									
					0.72		0.72						1	20	2	E-112 RECPS
E-102, 104 RECPS	3	1	20		0.54			0.54								
					0.72			0.72					1	**20**	4	E-112 RECPS
E-105 RECPS	5	1	20		0.36				0.36							
					0.72				0.72				1	20	6	E-109 RECPS
ROOF RECPS	7	1	20		0.54		0.54									
					0.72		0.72						1	20	8	E-109 RECPS
SPARE	9	1	20													
					0.72			0.72					1	20	10	E-108 RECPS
SPARE	11	1	20													
					0.72				0.72				1	20	12	E-108 RECPS
TEF-1 (1/3 HP)	13	1	20			0.83	0.83									
													1	50	14	WH-1 (4 KW)
TEF-2 (1/4 HP) TEF-3 (1/4 HP)	15	1	20			1.34		1.34								
													1	20	16	RCP-1
GEF-1 (1/4 HP) CH-1 (1/8 HP)	17	1	20			1.11			1.11							
																TEMPERATURE CONTROL PANEL
						1.00			1.00				1	20	18	
SPARE	19	1	20													
													1	20	20	SPARE
SPARE	21	1	20													
													1	20	22	SPARE
SPARE	23	1	30													
													1	20	24	SPARE
SPARE	25	1	20													
													1	20	26	SPARE
SPARE	27	1	20													
													1	20	28	SPARE
SPARE	29	1	20													
													1	20	30	SPARE
SPARE	31	1	20													
													1	20	32	SPARE
SPARE	33	1	20													
						2.00		2.00					2	30	34	SPLIT SYSTEM
SPARE	35	1	20													
						2.00			2.00						36	
TOTAL CONNECTED LOAD (kVA)					6.30	8.28	3.35	5.32	5.91							
TOTAL DEMAND LOAD (kVA)					6.30	8.28										

LAVILLE ELEMENTARY PANELBOARD SCHEDULE

MARK & TYPE
"XHD"
TYPE: EXISTING SQ D NF
277/480V, 3 PH, 4W
100 AMP MAIN LUGS
NEMA 1
SURFACE MOUNTED

REMARKS
BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
CIRCUIT BREAKERS SHALL HAVE MINIMUM 35,000 AMP INTERRUPTING CAPACITY - TYPE EGB
PROVIDE TWO (2) 1P-20 AMP CIRCUIT BREAKERS (CIRCUITS 13 AND 15) IN TWO (2) EXISTING 1P-SPACES (CIRCUITS 13 AND 15)

DESCRIPTION	CIR	POLE	TRIP	LTS	REC	EQUIP	A	B	C	HEAT	A/C	FUTR	POLE	TRIP	CIR	DESCRIPTION
PANEL "XH2"	1	3	100				3.47	3.47								
						1.00	4.15	5.15					3	35	2	TRANSFORMER (PANEL "XLT")
	3						3.47		3.47							
							4.15		4.15						4	
	5						3.47			3.47						
						1.00	2.15			3.15					6	
CIRCULATING PUMP (1 / 2 HP)	7	3	15				0.83	0.83								
							0.58	0.58					3	15	8	SUMP PUMP (1 HP)
	9						0.83		0.83							
							0.58		0.58						10	
	11						0.83			0.83						
							0.58			0.58					12	
UNIT E EMERGENCY AND EXIT LIGHTS	13	**1**	**20**													
													1		14	SPACE
EXTERIOR LIGHTS (RE-1) AND RELAY RE-1 CONTROL CIRCUIT	15	**1**	**20**													
													1		16	SPACE
SPACE	17	1														
													1		18	SPACE
TOTAL CONNECTED LOAD (kVA)						2.00		25.09	10.03	9.03	8.03					
TOTAL DEMAND LOAD (kVA)						2.00		25.09								

RELAY SCHEDULE

MARK & TYPE	ITEM	CONTROLLED CIRCUIT(S)	COIL CKT.	COIL VOLT	ROOM NO.	CONTACTS	SELECTOR SWITCH	CONTROL	SEE NOTES
RE-1 ASCO #91822031C	BUILDING SECURITY LIGHTS	XHD-15 AD-2	XHD-15	277	E-104	N.O.	HOA	TIMECLOCK	1,2,4,5,6,7

NOTES:
1. FURNISH NEMA 31ENCLOSURE WITH HINGED COVER UNLESS OTHERWISE NOTED.
2. ELECTRICALLY HELD.
3. MECHANICALLY HELD.
4. PROVIDE SELECTOR SWITCH IN RELAY ENCLOSURES WITH LOOP AND BRIDLE STRAPS FROM MAIN DEPARTMENT TO HINGED COVER FOR SELECTOR SWITCHES.
5. FURNISH FUSE PROTECTION FOR COIL CIRCUIT.
6. ACCESSORY 47 TWO WIRE CONTROLS.
7. ALL RELAYS AND SELECTOR SWITCHES SHALL BE PREWIRED BY MANUFACTURER.

LAVILLE ELEMENTARY SCHOOL LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURERS	VOLTAGE	LIGHT SOURCE	MINIMUM LUMENS	DEGREE K.	MAXIMUM WATTAGE	DIMMING	MOUNTING	DESCRIPTION
									AD-2
L-1E	**METALUX 14GR-LD5-32-A125-UNV-L840-CD1-PAF-EQ-CLIP-U-GTD COLUMBIA LJT14-40MWG-FSA12125-EU-PAF-EQCLIP-GTD LITHONIA GTL-4-33L-A12125-EZ1-LP840-LATC-PAF-GTD**	**120/277**	**LED**	**3000 (3257/ 3484/ 3557.4)**	**4000**	**29.8/31/ 28.4**	**NONE**	**GRID**	**1X4 RECESSED GRID MOUNTED LED LENS TROFFER TYPE LIGHTING FIXTURE WITH EARTHQUAKE CLIPS, ACRYLIC LENS (0.125 MINIMUM THICKNESS), MULTI-VOLT LED DRIVER AND INTEGRAL LEVITON ECD00-200 EMERGENCY GENERATOR TRANSFER DEVICE. CONNECT TO NORMAL POWER AND EMERGENCY POWER VIA THE TRANSFER DEVICE.**
L-3	**METALUX 24CZ-LD5-60S-UNV-L840-CD1-EQ-CLIP-PAF COLUMBIA LCAT24-40VL-G-ED1-U-EQCLIP-PAF LITHONIA 2BLTBA4-60L-ADP-EZ1-LP840-EQCLIP-PAF**	**MVOLT**	**LED**	**6000 (6221/7321 /6112)**	**4000**	**52.2/59/ 47.59**	**0-10V**	**GRID**	**2X4 RECESSED GRID MOUNTED DIRECT/INDIRECT LED TYPE LIGHTING FIXTURE WITH EARTHQUAKE CLIPS AND MULTI-VOLT LED DIMMING DRIVER.**
L3E	**METALUX 24CZ-LD5-60S-UNV-L840-CD1-EQ-CLIP-PAF-GTD COLUMBIA LCAT24-40HL-G-ED1-U-EQCLIP-PAF-GTD LITHONIA 2BLTBA4-60L-ADP-EZ1-LP840-EQCLIP-PAF-GTD**	**MVOLT**	**LED**	**6000 (6221/7321 /6112)**	**4000**	**52.2/44/ 47.59**	**0-10V**	**GRID**	**2X4 RECESSED GRID MOUNTED DIRECT/INDIRECT LED TYPE LIGHTING FIXTURE WITH EARTHQUAKE CLIPS, ACRYLIC LENS (0.125 MINIMUM THICKNESS), MULTI-VOLT LED DIMMING DRIVER AND INTEGRAL LEVITON ECD00-200 EMERGENCY GENERATOR TRANSFER DEVICE. CONNECT TO NORMAL POWER AND EMERGENCY POWER VIA THE TRANSFER DEVICE.**
L-4E	**LITHONIA WSQ LED-P3-40K-MVOLT-E20WC-DDBXD MCGRAW EDISON IS5-AF-600-LED-E1-T3-BZ-CWB**	**120/277**	**LED**	**6000/8375**	**4000**	**50/66**	**NONE**	**WALL**	**WALL MOUNTED OUTDOOR WEATHERPROOF QUARTER SPHERE CUTOFF TYPE LIGHTING FIXTURE WITH LED LAMPS, LED DRIVER AND COLD WEATHER EMRGENCY BATTERY PACK. UL LISTED FOR WET LOCATIONS. COLOR TO BE SELECTED BY THE ARCHITECT.**
L-5E	**METALUX 4WSL-LD2-50-SPS-UNV-L850-CD1-GTD LITHONIA GRD-LSL-4-MSL4-80CRI-40K-ID1500LMF-0/100-MIN1-ZT-120-SCT-GTD**	**MVOLT**	**LED**	**4900 (4988/ 5067)**	**4000**	**44.8/40**	**0-10V**	**PENDANT**	**1X4 PENDANT MOUNTED LED LIGHTING FIXTURE WITH MULTI-VOLT LED DIMMING DRIVER. (0-10V DIMMING DRIVER -1%-100% DIMMING) AND INTEGRAL LEVITON ECD00-200 EMERGENCY GENERATOR TRANSFER DEVICE. CONNECT TO NORMAL POWER AND EMERGENCY POWER VIA THE TRANSFER DEVICE.** AD-2
X1	**SURE-LITES LPX6-R DUAL LITE SESRW LITHONIA LESW1R**	**120/277**	**LED**			**1**	**NONE**		**SURFACE MOUNTED SINGLE FACE EXIT SIGN WITH DIE CAST ALUMINUM HOUSING, STENCIL FACE AND RED LETTERS (ARROWS AS INDICATED ON DRAWINGS).**

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK
UNION NORTH UNITED SCHOOL CORPORATION
12645 TYLER RD
LAKEVILLE, IN 46536

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-128
DATE 08/24/20
COORDINATED BY PCB
DRAWN BY PCB/JVC
CHECKED BY DJW

DALE J. WACKER REGISTERED NO. 19600171 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/15/20	ADDENDUM NO. 2

DRAWING
ELECTRICAL SCHEDULES

PROJECT
LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS

© GIBRALTAR DESIGN

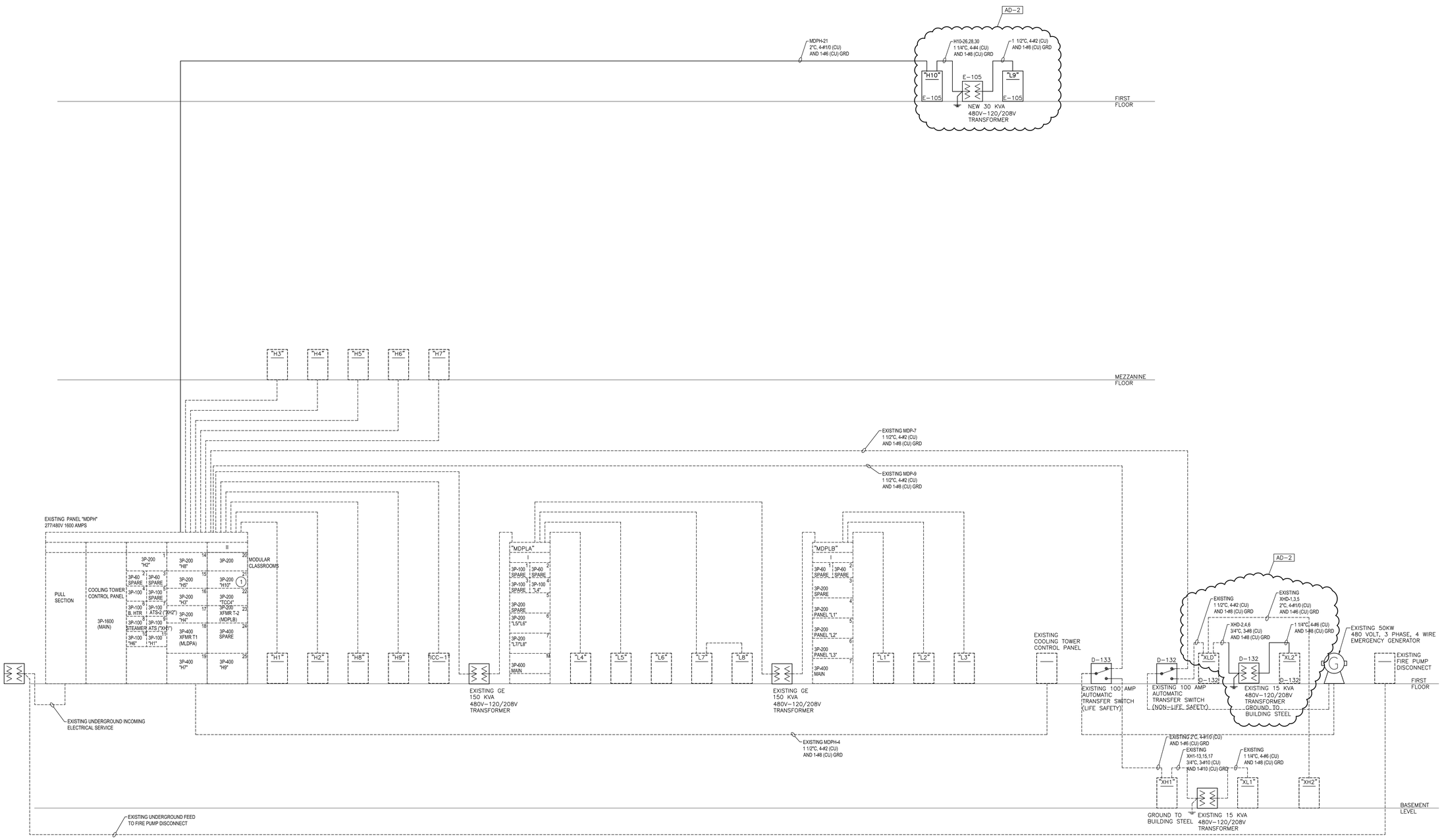
SHEET
E-601

Tuesday, 9/15/2020 – 11:42 AM – LAST SAVED BY:JCHAMBERS
Y:\20-128 UNION-NORTH LAVILLE ES – 2020 IMPROVEMENTS\20-128 DRAWINGS\09 ELEC\E-601.DWG

ELECTRICAL PLAN NOTES:

(ALL PLAN NOTES MAY NOT APPLY TO THIS SHEET.)

1. PROVIDE NEW 200 AMP FUSES IN EXISTING SPARE 3P-200 AMP FUSIBLE SWITCH TO SERVE NEW PANEL "H10".



ELECTRICAL PARTIAL NEW POWER DISTRIBUTION DIAGRAM

SCALE: NONE

- - - - - - EXISTING TO REMAIN

———— NEW

GIBRALTAR DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK

UNION NORTH UNITED SCHOOL CORPORATION
12645 TYLER RD
LAKEVILLE, IN 46536

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-128

DATE 08/24/20

COORDINATED BY PCB

DRAWN BY PCB/JVC

CHECKED BY DJW

DALE J. WAGLER REGISTERED NO. 19600171 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:

THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/15/20	ADDENDUM NO. 2

DRAWING

ELECTRICAL DETAILS AND SCHEDULES

PROJECT

LAVILLE ELEMENTARY SCHOOL - 2020 IMPROVEMENTS

© GIBRALTAR DESIGN

SHEET

E-701

Tuesday, 9/15/2020 – 11:44 AM – LAST SAVED BY:JCHAMBERS
Y:\20-128 UNION-NORTH LAVILLE ES – 2020 IMPROVEMENTS\20-128 DRAWINGS\09 ELEC\E-701.DWG

PROJECT:

LaVILLE JUNIOR-SENIOR HIGH SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK

UNION NORTH UNITED SCHOOL CORPORATION
22601 TYLER ROAD; LAKEVILLE, INDIANA 46536

SHEET INDEX

G GENERAL

G-101 COVER SHEET AND SHEET INDEX

G-201 FIRST AND SECOND FLOOR LIFE SAFETY PLANS

G-301 TYPICAL ACCESSIBLE MOUNTING HEIGHTS, WALL TYPES, SYMBOLS AND ABBREVIATIONS

S STRUCTURAL

S201 FOUNDATION PLAN
S202 FRAMING PLAN
S401 FOUNDATION SECTIONS
S410 FRAMING SECTIONS
S411 FRAMING DETAILS
S501 STRUCTURAL NOTES

A ARCHITECTURAL

AD101 UNIT "B" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN – FOR REFERENCE ONLY AD-02
AD102 UNIT "C" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN
AD103 UNIT "D" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN
AD104 UNIT "E" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN
AD105 UNIT "B" ARCHITECTURAL SECOND FLOOR DEMOLITION PLAN – FOR REFERENCE ONLY
AD106 UNITS "C" AND "D" ARCHITECTURAL SECOND FLOOR DEMOLITION PLAN – FOR REFERENCE ONLY

A-101 UNIT "B" ARCHITECTURAL FIRST FLOOR PLAN – FOR REFERENCE ONLY
A-102 UNIT "C" ARCHITECTURAL FIRST FLOOR PLAN
A-103 UNIT "D" ARCHITECTURAL FIRST FLOOR PLAN – FOR REFERENCE ONLY
A-104 UNIT "E" ARCHITECTURAL FIRST FLOOR PLAN
A-105 UNIT "B" ARCHITECTURAL SECOND FLOOR PLAN – FOR REFERENCE ONLY
A-106 UNITS "C" AND "D" ARCHITECTURAL SECOND FLOOR PLAN – FOR REFERENCE ONLY

A-201 OVERALL ARCHITECTURAL ROOF PLAN
A-210 ROOF DETAILS

A-301 BUILDING ELEVATIONS

A-410 WALL SECTIONS
A-411 WALL SECTIONS
A-412 WALL SECTIONS

A-501 TYPICAL DETAILS

A-601 DOOR SCHEDULE & DETAILS

A-720 CASEWORK ELEVATIONS, ENLARGED PLAN, DETAIL

A-802 UNIT "C" FIRST FLOOR FINISH PLAN
A-803 UNIT "D" FIRST FLOOR FINISH PLAN – FOR REFERENCE ONLY
A-804 UNIT "E" FIRST FLOOR FINISH PLAN

A-902 UNIT "C" FIRST FLOOR REFLECTED CEILING PLAN
A-904 UNIT "E" FIRST FLOOR REFLECTED CEILING PLAN

K FOOD SERVICE

K-100 FOOD SERVICE EQUIPMENT GENERAL NOTES
K-101 FOOD SERVICE EQUIPMENT LAYOUT AND SCHEDULE

K-300 FOOD SERVICE EQUIPMENT SPOT LOCATION LAYOUT AND SCHEDULE

K-500 EXHAUST VENTILATION SYSTEM DRAWING, DETAILS AND SCHEDULE
K-501 EXHAUST VENTILATION SYSTEM DRAWING, DETAILS AND SCHEDULE
K-502 EXHAUST VENTILATION SYSTEM DRAWING, DETAILS AND SCHEDULE
K-503 EXHAUST VENTILATION SYSTEM DRAWING, DETAILS AND SCHEDULE

M MECHANICAL

DM102 UNIT "C" FIRST FLOOR DEMOLITION PLAN – MECHANICAL HVAC
DM104 UNIT "E" FIRST FLOOR DEMOLITION PLAN – MECHANICAL HVAC
DM105 UNIT "E" AND "F" ROOF DEMOLITION PLAN – MECHANICAL HVAC

DM401 DEMOLITION ENLARGED MECHANICAL PLANS

M-001 OVERALL FLOOR PLANS – MECHANICAL HVAC

M-102 UNIT "C" FIRST FLOOR PLAN – MECHANICAL HVAC
M-104 UNIT "E" FIRST FLOOR PLAN – MECHANICAL HVAC
M-105 UNIT "E" AND "F" ROOF PLAN – MECHANICAL HVAC

M-401 ENLARGED MECHANICAL PLANS

M-200 MECHANICAL HVAC SCHEDULES, NOTES AND DETAILS
M-201 MECHANICAL HVAC SCHEDULES, NOTES AND DETAILS

P PLUMBING

DP104 UNIT "E" FIRST FLOOR DEMOLITION PLAN – PLUMBING

P-001 OVERALL FLOOR PLANS – PLUMBING
P-104 UNIT "E" FIRST FLOOR PLAN – PLUMBING

P-200 PLUMBING SCHEDULES, NOTES AND DETAILS

E ELECTRICAL

E-001 ELECTRICAL SYMBOLS, DETAILS AND NOTES
E-002 ELECTRICAL OVERALL TUNNEL AND FIRST FLOOR PLANS

ED102 UNIT "C" ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED104 UNIT "E" ELECTRICAL FIRST FLOOR DEMOLITION PLAN

E-102 UNIT "C" ELECTRICAL FIRST FLOOR LIGHTING PLAN
E-104 UNIT "E" ELECTRICAL FIRST FLOOR LIGHTING PLAN

E-202 UNIT "C" ELECTRCIAL FIRST FLOOR POWER PLAN
E-204 UNIT "E" ELECTRICAL FIRST FLOOR POWER PLAN

E-401 ENLARGED ELECTRICAL PLAN OF FACS AREA

E-501 ELECTRICAL DETAILS

E-601 ELECTRICAL SCHEDULES

E-701 ELECTRICAL PARTIAL DEMOLITION POWER DISTRIBUTION DIAGRAM
E-702 ELECTRICAL PARTIAL NEW POWER DISTRIBUTION DIAGRAM

Lynch, Harrison & Brumleve, Inc.

MILLIES ENGINEERING GROUP
MILLIES • JANNEY • HROMADA
9711 VALPARAISO DR
SUITE A
MUNSTER, IN 46321
219-924-8400

SKILLMAN
The SKILLMAN Corporation

GIBRALTAR
DESIGN
ARCHITECTURE ENGINEERING INTERIOR DESIGN

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK
UNION NORTH UNITED SCHOOL CORPORATION
LAKEVILLE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-126
DATE 08/24/20
COORDINATED BY TA
DRAWN BY KS PCD
CHECKED BY TA

DALE J. WAGNER REGISTERED NO. 19600171 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-02	09/15/20	ADDENDUM NO. 2

DRAWING
COVER SHEET AND SHEET INDEX

ARCHITECT OF RECORD — DALE J. WAGNER REGISTERED NO. 19600171 STATE OF INDIANA ARCHITECT

ENGINEER OF RECORD — SCOTT A. CLORE REGISTERED PE10606154 STATE OF INDIANA PROFESSIONAL ENGINEER

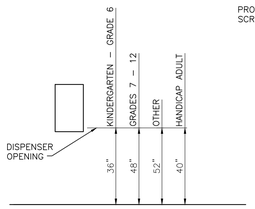
ENGINEER OF RECORD — DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT
LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS & RELATED WORK

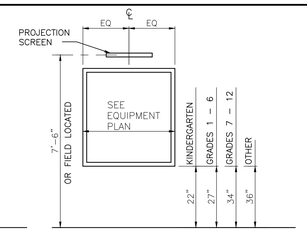
© GIBRALTAR DESIGN

SHEET
G-101

Tuesday, 9/15/2020 – 8:44 AM – LAST SAVED BY:TALLEN
Y:\20-126 UNION-NORTH LAVILLE JR-SR HS – 2020 IMPROVEMENTS\20-126 DRAWINGS\01 GENR\G-101.DWG

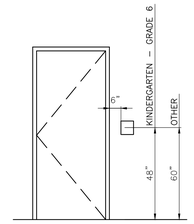


SURFACE MOUNTED PAPER TOWEL DISPENSER

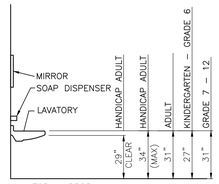


CORK BOARD CHALKBOARD MARKERBOARD PROJECTION SCREEN MULTI MEDIA DISPLAY BOARD

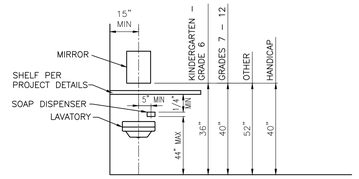
NOTE: VERIFY HEIGHT WITH OWNER



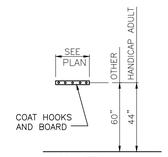
INTERIOR SIGN



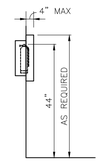
LAVATORY MIRROR 24" W X 30" H



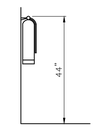
SOAP DISPENSER MIRROR WITH SHELF



HOOK STRIPS



FIRE EXTINGUISHER CABINET



FIRE EXTINGUISHER WALL HUNG

GENERAL PROJECT NOTES:

(APPLY TO ENTIRE DRAWING SET)

A. ALL CONTRACTORS SHALL CHECK ENTIRE SET OF CONTRACT DOCUMENTS FOR THE EXTENT OF WORK.

B. EACH TRADE SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

C. EACH TRADE SHALL COORDINATE WITH THE APPROPRIATE CONTRACTOR(S) AND VERIFY SIZE AND LOCATION OF ALL RECESSES, CHASES, PADS, & OPENINGS REQUIRED FOR MECHANICAL, ELECTRICAL AND OTHER EQUIPMENT.

D. EACH TRADE SHALL COORDINATE WITH THE APPROPRIATE CONTRACTOR(S) AND VERIFY LOCATION, HEIGHT, AND DEPTH OF BULKHEADS PRIOR TO BULKHEAD CONSTRUCTION.

E. NOT USED.

F. FLOOR ELEVATIONS, GRADES, DIMENSIONS, CLEARANCES, AND CONDITIONS OF EXISTING CONSTRUCTION INDICATED ON THESE DRAWINGS SHALL BE FIELD VERIFIED BY ALL CONTRACTOR(S). REPORT CONFLICTS OR DISCREPANCIES TO THE ARCHITECT FOR RESOLUTION PRIOR TO STARTING WORK.

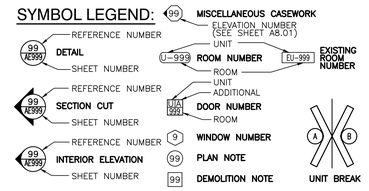
G. ALL ITEMS OF EQUIPMENT OR MATERIALS NOT MARKED OR INDICATED AS EXISTING ARE NEW AND SHALL BE FURNISHED BY THE APPROPRIATE CONTRACTOR.

H. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING INDICATED ON THE ARCHITECTURAL DRAWINGS RELATED TO INSTALLATION OR REMOVAL OF WORK OF THE MECHANICAL AND ELECTRICAL TRADES. ALL REQUIRED CUTTING MAY NOT BE SHOWN ANY ADDITIONAL CUTTING AND PATCHING REQUIRED, WHICH IS NOT INDICATED ON THE ARCHITECTURAL DRAWINGS, SHALL BE THE RESPONSIBILITY OF THE TRADE REQUIRING THE ACCESS, AS PROVIDED FOR IN THE SPECIFICATIONS.

I. PLUMBING AND ELECTRICAL ITEMS (SUCH AS SINKS, TOILETS, PANELS, ETC.) MAY APPEAR "DASHED" FOR DEMOLITION ON SEVERAL DRAWINGS INCLUDING ARCHITECTURAL SHEETS. REMOVAL OF THESE ITEMS SHALL BE BY THE APPROPRIATE TRADES.

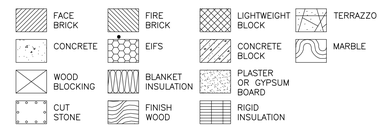
J. ALL ITEMS NOTED FOR REMOVAL SHALL BE REMOVED COMPLETELY, INCLUDING ENTIRE SYSTEMS OF SUSPENSION, ANCHORS, CLIPS, AND ADHESIVES, ETC. RELATED TO THAT ITEM. REMOVAL SHALL BE PERFORMED CAREFULLY TO MINIMIZE DAMAGE. PARTICULARLY ITEMS TO BE SALVAGED FOR REUSE OR RETURNED TO THE OWNER.

SYMBOL LEGEND:



MATERIAL INDICATIONS:

IN GENERAL, THE MATERIAL INDICATIONS SHOWN BELOW ARE TYPICAL, HOWEVER, ALL MATERIAL INDICATIONS PRESENTED HERE MAY NOT BE USED ON THIS PARTICULAR PROJECT. THESE SYMBOLS TYPICALLY INDICATE THE MATERIALS WHEN SECTIONED THROUGH ON PLANS, DETAILS AND WALL SECTIONS.



LINE SYMBOLOGY:

IN GENERAL THE FOLLOWING LINE SYMBOLOGY CONVENTIONS APPLY TO THE ENTIRE SET OF DRAWINGS FOR THIS PROJECT. EXISTING, AND DEMOLITION SYMBOLOGY APPLY TO ADDITION AND RENOVATION PROJECTS ONLY.

"SCREENED" BACKGROUND LINES (LIGHT GRAY LINES) INDICATE EXISTING CONSTRUCTION WALLS, PIPES, LIGHTS, ETC.

HEAVY DASHED LINES INDICATE DEMOLITION ITEMS ON DEMOLITION DRAWINGS. DEMOLITION DRAWINGS ALSO INDICATE DEMOLITION WORK WITH "LIGHT" DASHED LINES WHEN DEMOLITION WORK IS NOT SPECIFICALLY RELATED TO THE CURRENT SHEET. (FOR EXAMPLE: WALLS BEING REMOVED APPEAR AS HEAVY DASHED LINES ON THE ARCHITECTURAL PLANS AND APPEAR AS LIGHT DASHED LINES ON HVAC, LIGHTING, ETC. PLANS.)

SOLID LINES ON NEW ("NON–DEMOLITION") DRAWINGS INDICATE NEW WORK.

PLAN EXAMPLES:

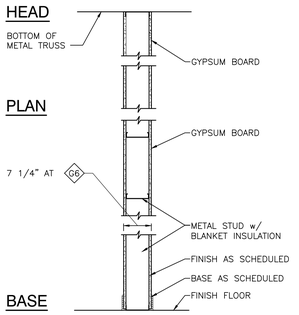
EXISTING WALL

EXISTING WALL TO BE REMOVED

NEW SOUNDPROOF WALL

NEW STUD WALL

NEW CMU WALL

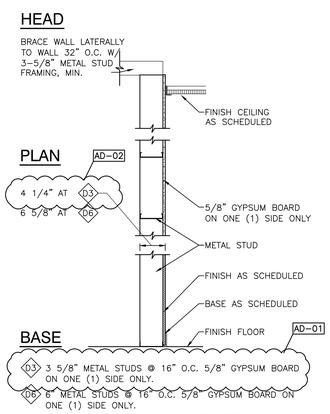


C6 6" METAL STUD w/ 5/8" GYPSUM BOARD ON BOTH SIDES.

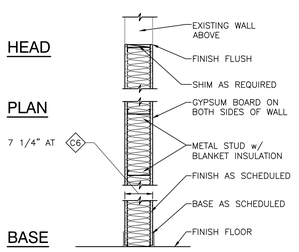
PARTITION TYPE "G"
SCALE: 3/4" = 1'–0"

NOT USED

NOT USED

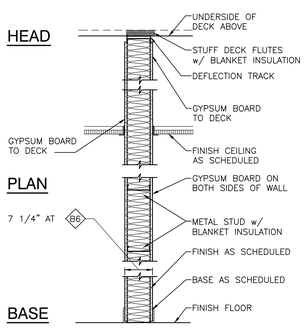


PARTITION TYPE "D"
SCALE: 3/4" = 1'–0"



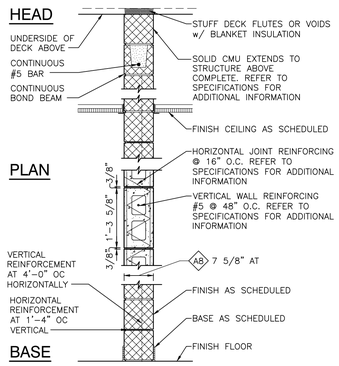
C6 6" METAL STUDS @ 16" O.C. w/ CONTINUOUS R–19 UNCRAFTED SOUND BATT INSULATION AND 5/8" PAINTED GYPSUM BOARD ON BOTH SIDES OF WALL. WALL CONSTRUCTION EXTENDS TO DECK OR WALL ABOVE.

PARTITION TYPE "C"
SCALE: 3/4" = 1'–0"



B6 6" METAL STUDS @ 16" O.C. w/ 5/8" PAINTED GYPSUM BOARD ON BOTH SIDES OF WALL. WALL CONSTRUCTION EXTENDS TO STRUCTURE ABOVE.

PARTITION TYPE "B"
SCALE: 3/4" = 1'–0"



A8 8" RUNNING BOND CMU EXTENDS TO STRUCTURE ABOVE. HORIZONTAL REINFORCEMENT AT 1'–4" O.C. VERTICAL. VERTICAL REINFORCEMENT AT 4'–0" O.C. HORIZONTAL.

PARTITION TYPE "A"
SCALE: 3/4" = 1'–0"

GENERAL PARTITION NOTES:

A. REFER TO LIFE SAFETY PLANS FOR RATED WALL LOCATIONS THAT EXTEND TO DECK ABOVE.

B. ALL WALLS ARE TYPE B6 UNLESS NOTED OTHERWISE.

C. PARTITION SYMBOLS APPEAR ON LARGEST SCALE FLOOR PLAN PROVIDED FOR AREA.

D. REFER TO FINISH PLANS FOR WALL FINISH AND BASE INFORMATION.

E. REFER TO WALL SECTIONS FOR EXTERIOR WALL CONSTRUCTION.

F. PROVIDE WATER RESISTANT GYPSUM BOARD ON WALLS WITH OPERABLE PLUMBING FIXTURES AND WITHIN 4 FEET OF DRINKING FOUNTAINS/WATER COOLERS. U.N.O.

G. ALL INTERIOR MASONRY WALLS THAT RUN TO THE UNDERSIDE OF DECK ABOVE SHALL HAVE A 2" JOINT (U.N.O.) AT THE DECK TO BE FILLED WITH FIRE STOPPING AT RATED WALLS AND MINERAL WOOL AT NON–RATED WALLS TO ALLOW FOR DEFLECTION. REFER TO PROJECT MANUAL.

H. ALL WALLS THAT ARE NOT INDICATED TO EXTEND TO THE UNDERSIDE OF DECK ABOVE SHALL EXTEND TO 6" MINIMUM ABOVE FINISHED CEILING UNLESS NOTED OTHERWISE.

I. PROVIDE LATERAL BRACING FOR PARTITIONS WHICH EXTEND ABOVE CEILING.

J. PROVIDE SPECIFIED TILE BACKER BOARD AT ALL WALLS SCHEDULED TO RECEIVE CERAMIC TILE.

K. REFER TO STRUCTURAL DRAWINGS FOR BOND BEAMS AND VERTICAL REINFORCING AT MASONRY WALLS.

L. STEEL STUD FRAMING SHALL BE ATTACHED/BRACED TO STRUCTURAL FRAMING AND NOT TO ROOF DECK.

M. ISOLATE NON–LOAD–BEARING STUD FRAMING FROM BUILDING STRUCTURE TO PREVENT TRANSFER OF VERTICAL LOADS, AND PROVIDE LATERAL SUPPORT AS SPECIFIED.

N. PACK DECK FLUTE VOIDS AT NON–RATED WALLS WITH MINERAL WOOL. FILL DECK FLUTE VOIDS AT RATED WALLS WITH FIRESTOPPING. REFER TO PROJECT MANUAL.

O. PROVIDE FIRE RESISTIVE RATED GYPSUM WALL BOARD AT ALL RATED ASSEMBLIES TO MEET ASSEMBLY REQUIREMENTS.

P. PROVIDE FIRE RESISTIVE JOINT SYSTEMS EQUAL TO WALL RATING AT ALL PENETRATIONS AND AT HEAD/FLOOR INTERSECTIONS WITH RATED ASSEMBLIES.

Q. PROVIDE ACOUSTICAL INSULATION AT INTERIOR WALLS NOTED TO RECEIVE BLANKET INSULATION.

R. PROVIDE ACOUSTICAL SEALANT AT WALL SILL, HEAD, PENETRATIONS, AND ADDITIONAL SPECIFIED SOUND ATTENUATION COMPONENTS AT SOUND RATED WALLS.

S. STUD SPACING 16" O.C. UNLESS NOTED OTHERWISE.

ARCHITECTURAL ABBREVIATIONS:

THE ARCHITECTURAL ABBREVIATIONS LISTED BELOW ARE TYPICAL. HOWEVER ALL ABBREVIATIONS PRESENTED HERE HAVE NOT BEEN USED ON THIS PARTICULAR PROJECT. SEE ROOM FINISH SCHEDULE LEGENDS FOR ADDITIONAL ABBREVIATIONS USED ONLY ON THE ROOM FINISH SCHEDULE.

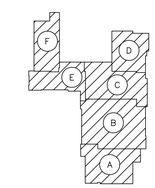
AC	ACOUSTICAL	GA	GAGE	RB	RUBBER BASE
AFF	ABOVE FINISHED FLOOR	GALV	GALVANIZED	RC	ROOF CONDUCTOR
ALUM	ALUMINUM	GYP	GYPSUM	RD	ROOF DRAIN
ALT	ALTERNATE	HM	HOLLOW METAL	REINF	REINFORCING, OR REINFORCMENT
ANOD	ANODIZED	HORIZ	HORIZONTAL	RESIL	RESILIENT
ARCH	ARCHITECTURAL			REV	REVISION
		ID	INSIDE DIAMETER	RM	ROOM
BD	BOARD	INSUL	INSULATED, OR INSULATION	RO	ROUGH OPENING
BLK	BLOCK			RV	ROOF VENT
BLKHD	BULKHEAD	INT	INTERIOR		
				SF	SQUARE FEET
CAB	CABINET	JAN	JANITOR	SIM	SIMILAR
CB	CHALKBOARD			SM	SMOOTH
CEM	CEMENT	KCP	KEENE'S CEMENT PLASTER	SPEC	SPECIFICATION
CER	CERAMIC			SQ	SQUARE
CFCI	CONTRACTOR FURNISHED OWNER INSTALLED			SS	STAINLESS, STEEL
		LAV	LAVATORY	ST. A.	STEEL ANGLE
CL	CENTERLINE	LTWT	LIGHTWEIGHT	ST. C.	STEEL CHANNEL
CLG	CEILING			ST. M.	STEEL M–SHAPE
CJ	CONTROL JOINT	MARB	MARBLE	ST. T.	STEEL STRUCTURAL TUBE
CLRM	CLASSROOM	MB	MARKERBOARD		
CONC	CONCRETE	MAS	MASONRY	ST. W.	STEEL W–SHAPE
CONF	CONFERENCE	MAX	MAXIMUM	STD	STANDARD
CONT	CONTINUOUS	MC	MISC. STEEL CHANNEL	STL	STEEL
CORK	CORKBOARD	MECH	MECHANICAL	STOR	STORAGE
CSWK	CASEWORK	MIN	MINIMUM	SYNTH	SYNTHETIC
CT	CERAMIC TILE	MISC	MISCELLANEOUS	SYS	SYSTEM
		MO	MASONRY OPENING		
DEG	DEGREE	MR	MOISTURE RESISTANT	TEL	TELEPHONE
DEMO	DEMOLITION	MTD	MOUNTED	TER	TERRAZZO
DF	DRINKING FOUNTAIN	MTL	METAL	TYP	TYPICAL
DIA	DIAMETER				
DN	DOWN	NA	NOT APPLICABLE	UNFIN	UNFINISHED
		NTS	NOT TO SCALE		
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM			VB	VINYL BASE
		OC	ON CENTER	VCT	VINYL COMPOSITION TILE
ELEC	ELECTRICAL	OD	OUTSIDE DIAMETER		
EQ	EQUAL	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	VEN	VENEER
EQUIP	EQUIPMENT	OFOI	OWNER FURNISHED OWNER INSTALLED	VERT	VERTICAL
EWC	ELECTRIC WATER COOLER	OFVI	OWNER FURNISHED VENDOR INSTALLED	VFOI	VENDOR FURNISHED OWNER INSTALLED
EXIST	EXISTING	OFF	OFFICE	VFVI	VENDOR FURNISHED VENDOR INSTALLED
EJ	EXPANSION JOINT	ORD	OVERFLOW ROOF DRAIN	VIN	VINYL
EXT	EXTERIOR			VWC	VINYL WALL COVERING
		PERF	PERFORATED		
FD	FLOOR DRAIN	PL	PLATE	W/	WITH
FE	FIRE EXTINGUISHER	PLAM	PLASTIC LAMINATE	W/O	WITHOUT
FEC	FIRE EXTINGUISHER CABINET	PLAS	PLASTER	WD	WOOD
		PORC	PORCELAIN	WSCT	WAINSCOT
FRP	FIBERGLASS REINFORCED PANEL	PRCST	PRECAST	WWF	WELDED WIRE FABRIC
		PTN	PARTITION		
FWC	FABRIC WALL COVERING	QT	QUARRY TILE		
		QTY	QUANTITY		

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK

UNION NORTH UNITED SCHOOL CORPORATION
LAKEVILLE, INDIANA



KEYPLAN
SCALE: NONE

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20–126
DATE 08/24/20
COORDINATED BY TA
DRAWN BY DR PCD
CHECKED BY TA

DALE J. WAGER REGISTERED NO. 19600171 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD–02	09/15/20	ADDENDUM NO. 2

DRAWING

TYPICAL ACCESSIBLE MOUNTING HEIGHTS, WALL TYPES, SYMBOLS AND ABBREVIATIONS

PROJECT

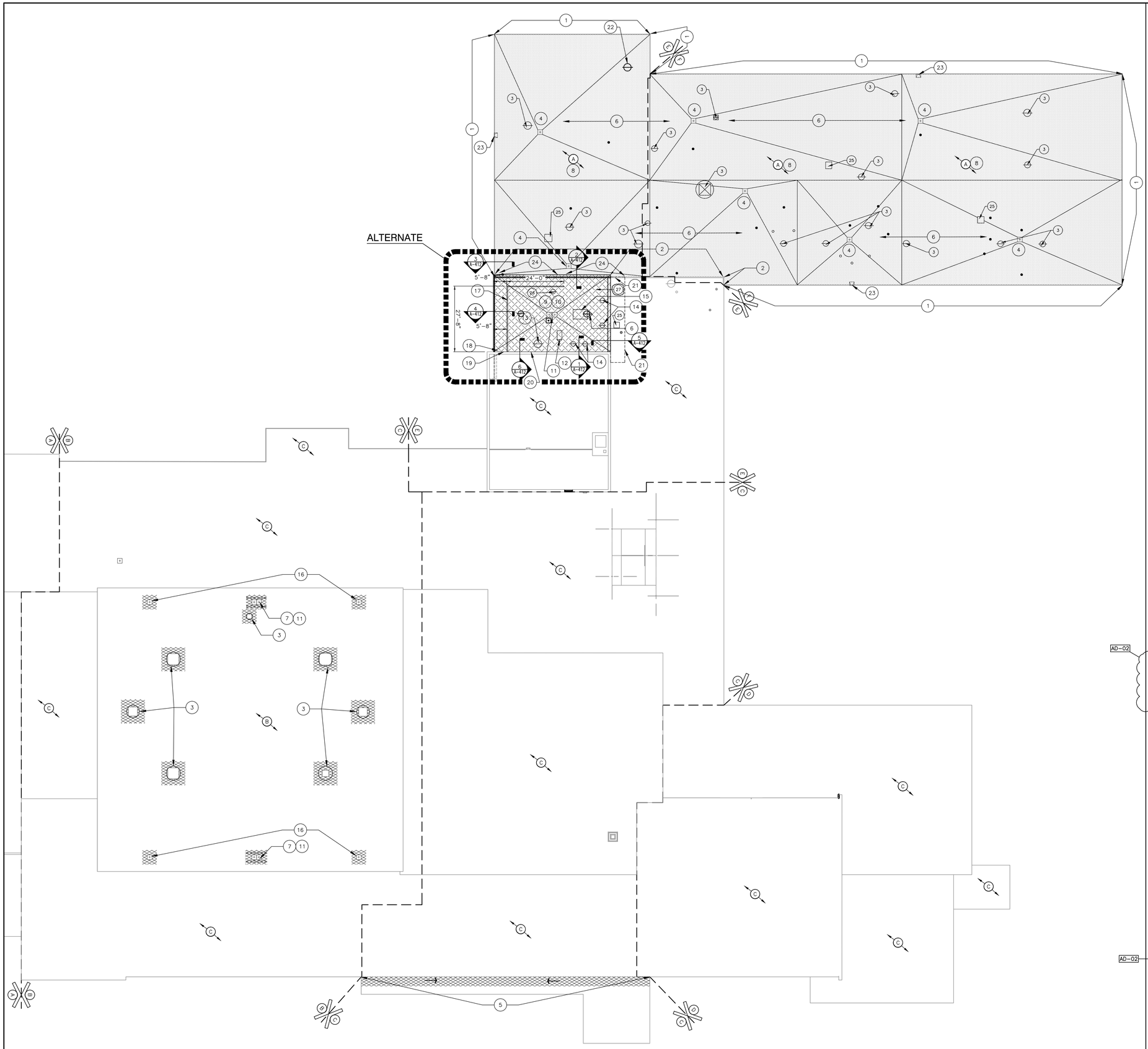
LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS & RELATED WORK

© GIBRALTAR DESIGN

SHEET

G-301

Tuesday, 9/15/2020 – 8:41 AM – LAST SAVED BY:TALLEN
Y:\20–126 UNION–NORTH LAVILLE JR–SR HS – 2020 IMPROVEMENTS\20–126 DRAWINGS\01 GENR\G–301.DWG



ROOF PLAN
SCALE: 1/16" = 1'-0"

GENERAL ROOF PLAN NOTES:

A. FOR GENERAL NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC. SEE SHEET G-201.

B. THERE MAY BE LOCATIONS ON THE EXISTING ROOF WHERE THE EXISTING ROOF DECK MAY NOT BE STRUCTURALLY SOUND. CONTRACTORS SHOULD USE EXTREME CAUTION IN WORKING THESE ROOF AREAS TO MAINTAIN SAFE WORKING CONDITIONS.

C. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

D. THE ROOFING CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ALL DAMAGE CAUSED BY THE IMPROPER STORAGE OR STACKING OF ROOFING MATERIALS.

E. ALL DIMENSIONS INDICATED ON THE ROOF PLAN ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ACCURATE FIELD MEASUREMENTS FOR THE EXECUTION OF HIS WORK AND PRIOR TO ANY FABRICATION OF THE VARIOUS MATERIALS.

F. THE ROOF CONTRACTOR SHALL PROTECT ALL ROOF DRAINS, SCUPPERS AND DOWNSPOUTS FROM DEBRIS CREATED DURING DEMOLITION AND/OR NEW CONSTRUCTION. THE ROOF CONTRACTOR SHALL INSPECT AND CLEAR ALL DRAINS, SCUPPERS AND DOWNSPOUTS PRIOR TO COMPLETION OF WORK AND TO ENSURE THAT THEY ARE FREE OF DEBRIS AND ARE FUNCTIONING PROPERLY.

G. LOCATION AND QUANTITY OF ALL ROOF DRAINS, FLUES, VENTS, POWER AND GRAVITY VENTILATORS, ETC., SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

H. PROVIDE NEW FLASHING AND TWO PIECE COUNTER-FLASHING WHERE NEW ROOFING ABUTS A NEW OR EXISTING WALL, UNLESS OTHERWISE NOTED OR DETAILED.

I. PROVIDE FLASHING AND SADDLES AND CURBS FOR ALL EQUIPMENT PROVIDED UNDER MECHANICAL UNLESS NOTED OTHERWISE.

J. FLASHING OF ALL VENTS, FAN CURBS, MASONRY WALLS, FLUES, DRAINS, FASCIAS, ETC., SHALL BE PERFORMED IN ACCORDANCE WITH THESE SPECIFICATIONS AND DRAWINGS, AND WITH ROOFING MANUFACTURER'S STANDARD DETAILS AND SPECIFICATIONS.

K. ALL NEW WOOD BLOCKING AND NAILERS SHALL BE TREATED WOOD.

L. DEMOLITION AND REMOVAL OPERATIONS ARE TO BE PERFORMED CARE- FULLY AND ALL PORTIONS OF THE BUILDING SHALL BE PROTECTED DURING THESE OPERATIONS. ITEMS TO BE REUSED AND REINSTALLED ARE TO BE CAREFULLY REMOVED AND STORED. DAMAGES INCURRED DURING REMOVAL OR STORAGE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

M. CLEAN EXISTING ROOF FREE OF DEBRIS AND OBSTRUCTIONS COMPLETE.

N. ALL ROOF VENTS SHALL BE 12" MINIMUM ABOVE MEMBRANE ROOF.

ROOF LEGEND:

- EXISTING RELIEF VENT — 3/A-210
- EXISTING EXHAUST FAN — 4/A-210
- EXISTING GRAVITY VENT — 4/A-210
- EXISTING ROOF DRAIN — 1/A-210
- EXISTING PLUMBING/INTAKE/EXHAUST VENT — 2/A-210, 3/A-210
- EXISTING CAPPED VENT — 8/A-210

HATCH PATTERN INDICATES REMOVAL OF EXISTING MEMBRANE ROOF, ADDITION OF NEW RIGID INSULATION, ADDITION OF 1/2" COVER BOARD, EXTENDING ALL ROOF PENETRATIONS TO 12" ABOVE FINISHED ROOF LINE AND NEW MEMBRANE FLASHING AND ROOFING.

HATCH PATTERN INDICATES NEW FLASHING MEMBRANE TO OVERLAP AND TIE INTO EXISTING ROOF MEMBRANE AS REQUIRED TO MAINTAIN EXISTING ROOF WARRANTY

HATCH PATTERN INDICATES ALTERNATE NEW MEMBRANE ROOF, 4" RIGID INSULATION, 1/2" COVER BOARD, EXTENDING ALL ROOF PENETRATIONS TO 12" ABOVE FINISHED ROOF LINE AND NEW MEMBRANE FLASHING AND ROOFING.

ROOF TYPES:

(A) EXISTING ROOFING MEMBRANE TO BE REMOVED, ADD RIGID INSULATION, ADD 1/2" COVER BOARD, EXTEND ALL ROOF PENETRATIONS TO 12" ABOVE FINISHED ROOF LINE AND PROVIDE NEW MEMBRANE ROOFING.

(B) EXISTING ROOF SYSTEM SHALL REMAIN EXCEPT AS NOTED. PROTECT FROM ADJACENT ROOF WORK.

(C) EXISTING ROOF SYSTEM SHALL REMAIN. NO WORK THIS AREA.

ROOF PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

1. REMOVE EXISTING GRAVEL STOP AND REPLACE WITH NEW FASCIA/GRAVEL STOP. — 6/A-210
2. REMOVE EXISTING FLASHING COPING AND REPLACE AFTER NEW MEMBRANE ROOFING HAS BEEN INSTALLED. LAP NEW MEMBRANE AND MEMBRANE FLASHING FOR WATER TIGHT CONDITION AND TO MEET WARRANTY REQUIREMENTS FOR BOTH ROOFS. — SIM 11/A-210
3. REMOVE EXISTING MECHANICAL EQUIPMENT AND EXISTING FLASHING. EXTEND CURB TO 12" MIN ABOVE ROOF LINE AND PROVIDE NEW FLASHING MEMBRANE TO OVERLAP AND TIE INTO ROOF MEMBRANE AS REQUIRED TO MAINTAIN EXISTING ROOF WARRANTY WHERE APPLICABLE. REINSTALL EXISTING MECHANICAL EQUIPMENT. — AD-02
4. DISMANTLE EXISTING ROOF DRAIN AND RE-FLASH OVERLAPPING ROOF MEMBRANE. INSTALL NEW ROOF DRAIN. REFER TO PLUMBING DRAWINGS. — 1/A-210
5. REPLACE EXISTING FLASHING COMPLETE BELOW WINDOWS. — 9&10/A-210
6. PROVIDE ROOF DRAINAGE SADDLES AS REQUIRED TO KEEP POSITIVE DRAINAGE TOWARDS ROOF DRAINS. — 5/A-210
7. REMOVE EXISTING ROOFING TO DECK AND CUT OPENING IN DECK AS REQUIRED TO INSTALL NEW DUAL ROOF DRAIN AND METAL PAN. REFER TO MEP AND STRUCTURAL DRAWING FOR FURTHER INFORMATION. — 13/A-210
8. DEMOLISH EXISTING ROOF MATERIALS DOWN TO EXISTING UNIT SLAB DECK.
9. DEMOLISH EXISTING UNIT SLAB COMPLETE ABOVE EXTENSE OF FACS AREA BELOW. LOAD BEARING AREAS FOR ALL ADJACENT SURFACES AND ROOFING TO REMAIN. REFER TO STRUCTURAL DRAWINGS FOR FURTHER INFORMATION.
10. NEW BUILDING STRUCTURE METAL DECK, TAPERED INSULATION, COVERBOARD, MEMBRANE ROOFING AND ASSOCIATED FLASHING AND COUNTER FLASHING.
11. NEW ROOF DRAIN AND OVERFLOW ASSEMBLY. — 12/A-210
12. NEW MECHANICAL UNIT W/ CURB.
13. NEW COMMERCIAL GRADE EXHAUST HOOD FOR COMMERCIAL STYLE GRILLE BELOW WITH ROOF MOUNTED EXHAUST FAN AND CURB.
14. NEW EXHAUST HOOD FOR UPGRADED DOMESTIC EXHAUST BELOW. WITH ROOF MOUNTED EXHAUST FAN AND CURB. — 4/A-210
15. NEW RTU W/ CURB REFER TO MEP DRAWINGS FOR FURTHER INFORMATION.
16. REMOVE EXISTING ROOF DRAIN TO ORIGINAL SUMP PAN. INSTALL NEW ROOF INSULATION, COVERBOARD, MEMBRANE, MEMBRANE FLASHING, FLASHING AND COUNTER FLASHING AS REQUIRED FOR WATER TIGHT CONDITION. — AD-02, 1/A-210
17. NEW VISUAL SCREEN AND ASSOCIATED BUILDING STRUCTURE. REFER TO STRUCTURAL DRAWINGS FOR FURTHER INFORMATION. FOR FLASHING AROUND SUPPORT COLUMNS, SEE — 14/A-210
18. EXISTING ELECTRICAL SERVICE TO BE MODIFIED. REFER TO ELECTRICAL DRAWINGS FOR FURTHER INFORMATION.
19. PATCH AND REPAIR MASONRY CONSTRUCTION WHERE EXISTING WEATHER HEADS ARE DEMOLISHED. — AD-02
20. PATCH AND REPAIR MASONRY CONSTRUCTION WHERE EXISTING HVAC OR ELECTRICAL IS REMOVED. SEE — 6/A-412
21. PATCH AND REPAIR DAMAGES TO EXISTING ROOF CONSTRUCTION RESULTING FROM NEW WORK.
22. REMOVE EXISTING EXHAUST FAN COMPLETE. INFILL W/ NEW INSULATION AND MEMBRANE TO MATCH NEW ROOF SLOPE. WHERE EXISTING OPENING IS ABONDONED INSTALL 16 GA SHEET METAL LEVEL WITH EXISTING RAPIDEX CONSTRUCTION.
23. PROVIDE OVERFLOW SCUPPER IN NEW FASCIA/GRAVEL STOP. — 6/A-210
24. CAREFULLY DEMOLISH EXISTING FLASHING, COPING AND MEMBRANE TO ACCOMMODATE NEW ROOF CONSTRUCTION. INSTALL NEW MEMBRANE, MEMBRANE FLASHING, COVERBOARD AND RIGID INSULATION AS REQUIRED TO PROVIDE POSITIVE DRAINAGE TOWARDS ROOF DRAIN. — AD-02, SIM 11/A-210
25. CAPPED ROOF OPENING. — 8/A-210
26. NEW GENERAL AREA EXHAUST W/ CURB. — 4/A-210 — AD-02
27. NEW DRYER VENT AND ROOF CURB. — 16/A-210

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK

UNION NORTH UNITED SCHOOL CORPORATION
LAKEVILLE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-126
DATE 08/24/20
COORDINATED BY TA
DRAWN BY KS PD
CHECKED BY TA

DALE J. WAGNER REGISTERED NO. 19600171 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC, SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-02	09/15/20	ADDENDUM NO. 2

DRAWING

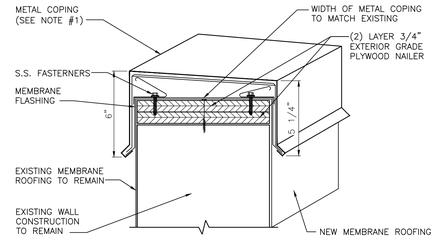
OVERALL ARCHITECTURAL ROOF PLAN

PROJECT
LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS & RELATED WORK

© GIBRALTAR DESIGN

SHEET
A-201

Tuesday, 9/15/2020 - 8:57 AM - LAST SAVED BY:TALLEN
Y:\20-126 UNION-NORTH LAVILLE JR-SR HS - 2020 IMPROVEMENTS\20-126 DRAWINGS\05 ARCH\A-201.DWG

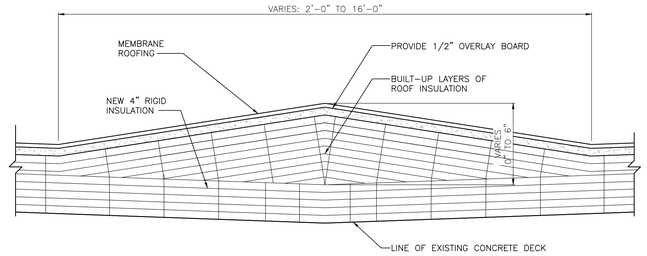


NOTES:
1) FASTEN COPING IN ACCORDANCE WITH CURRENT SMACNA AND FM RECOMMENDATIONS.

COPING CAP DETAIL

SCALE: 3" = 1'-0"

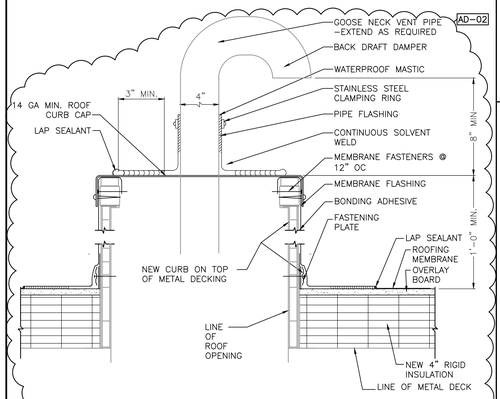
11 / A-210



ROOF DRAINAGE SADDLE

SCALE: NOT TO SCALE

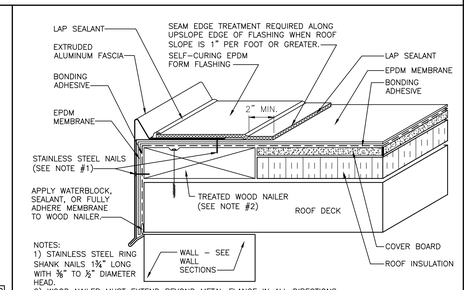
5 / A-210



DRYER VENT DETAIL

SCALE: 3" = 1'-0"

16 / A-210

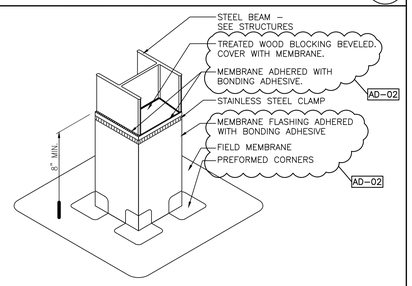


NOTES:
1) STAINLESS STEEL RING SHANK NAILS 1¾" LONG WITH ⅜" TO ½" DIAMETER HEAD.
2) WOOD NAILER MUST EXTEND BEYOND METAL FLANGE IN ALL DIRECTIONS.
3) INSTALL 6"x6" EPDM PROTECTION LAYER AT EACH JOINT IN FASCIA.
4) INSTALL LAP SPLICES PER MANUFACTURERS RECOMMENDATIONS.
5) MAINTAIN LEVEL BOTTOM EDGE OF FASCIA.

FASCIA/GRAVEL STOP DETAIL

SCALE: 3" = 1'-0"

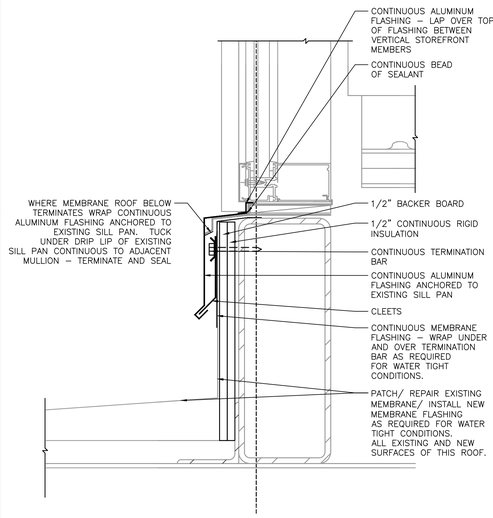
15 / A-210



STEEL PENETRATION FLASHING DETAIL

SCALE: 3" = 1'-0"

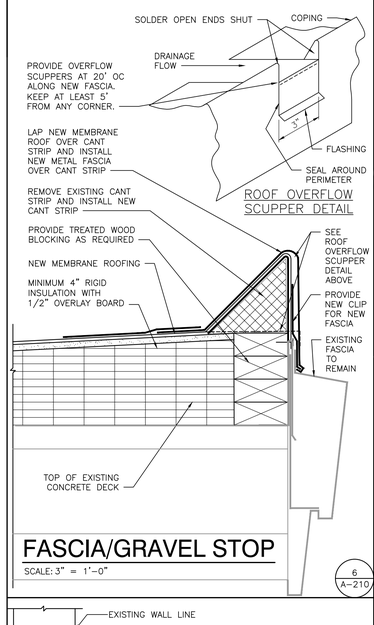
14 / A-210



ROOF DETAIL

SCALE: 3" = 1'-0"

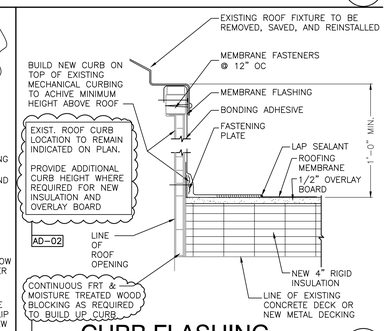
10 / A-210



FASCIA/GRAVEL STOP

SCALE: 3" = 1'-0"

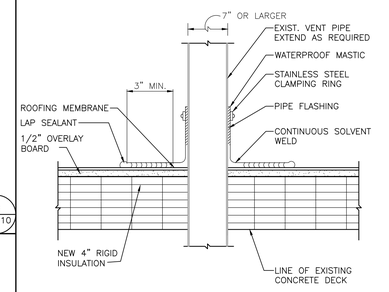
6 / A-210



CURB FLASHING

SCALE: 3" = 1'-0"

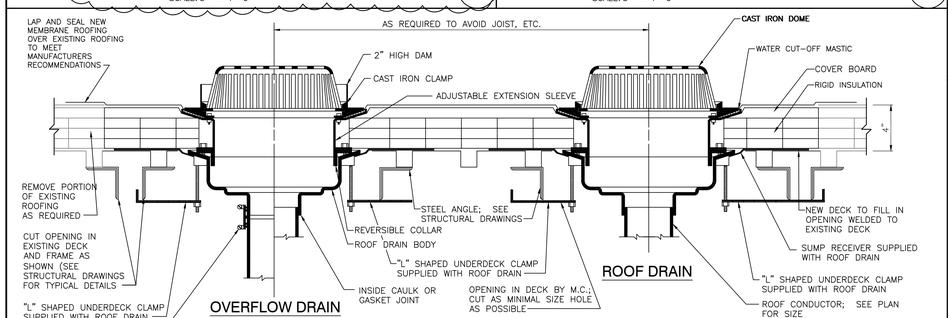
4 / A-210



VENT FLASHING

SCALE: 3" = 1'-0"

3 / A-210

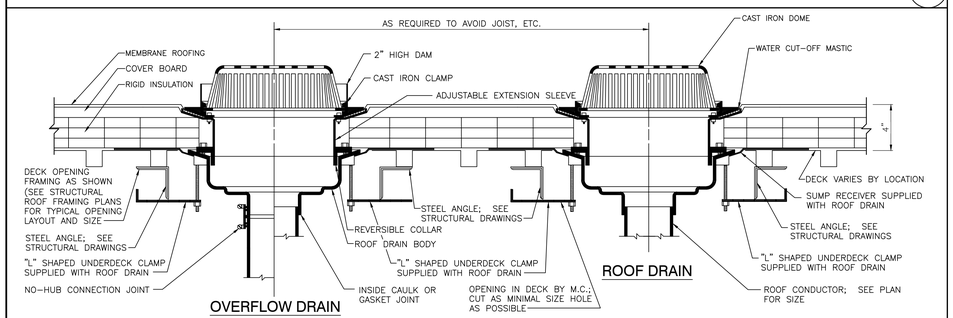


REFER TO PLUMBING DRAWINGS FOR OVER FLOW/ROOF DRAIN DESIGNATION.

"GYM" ROOF DRAIN REPLACEMENT DETAIL

SCALE: 3" = 1'-0"

13 / A-210

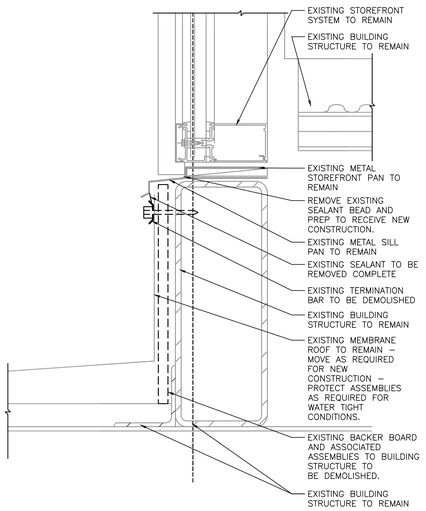


REFER TO PLUMBING DRAWINGS FOR OVER FLOW/ROOF DRAIN DESIGNATION.

NEW "FACS" ROOF DRAIN DETAIL

SCALE: 3" = 1'-0"

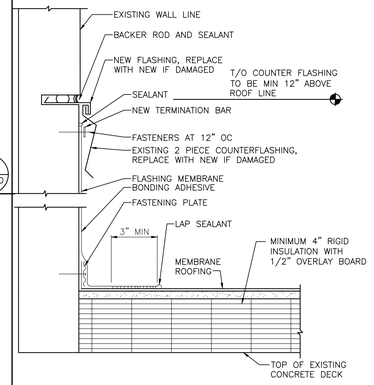
12 / A-210



ROOF DETAIL - DEMOLITION

SCALE: 3" = 1'-0"

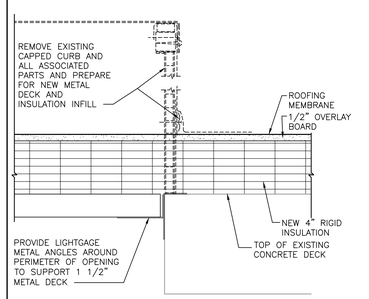
9 / A-210



WALL/ROOF COUNTER FLASHING DETAL

SCALE: 3" = 1'-0"

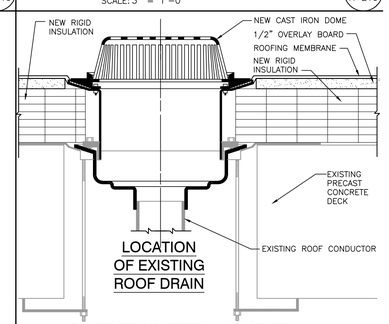
7 / A-210



EXISTING CURB REMOVAL

SCALE: 3" = 1'-0"

8 / A-210



ROOF DRAIN REPLACEMENT IN CONCRETE DECK DETAIL

SCALE: 3" = 1'-0"

1 / A-210

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK

UNION NORTH UNITED SCHOOL CORPORATION
LAKEVILLE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-126
DATE 08/24/20
COORDINATED BY TA
DRAWN BY KS PD
CHECKED BY TA

DALE J. WAGLER REGISTERED NO. 19600171 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-02	09/15/20	ADDENDUM NO. 2

DRAWING
ROOF DETAILS

PROJECT
LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS & RELATED WORK

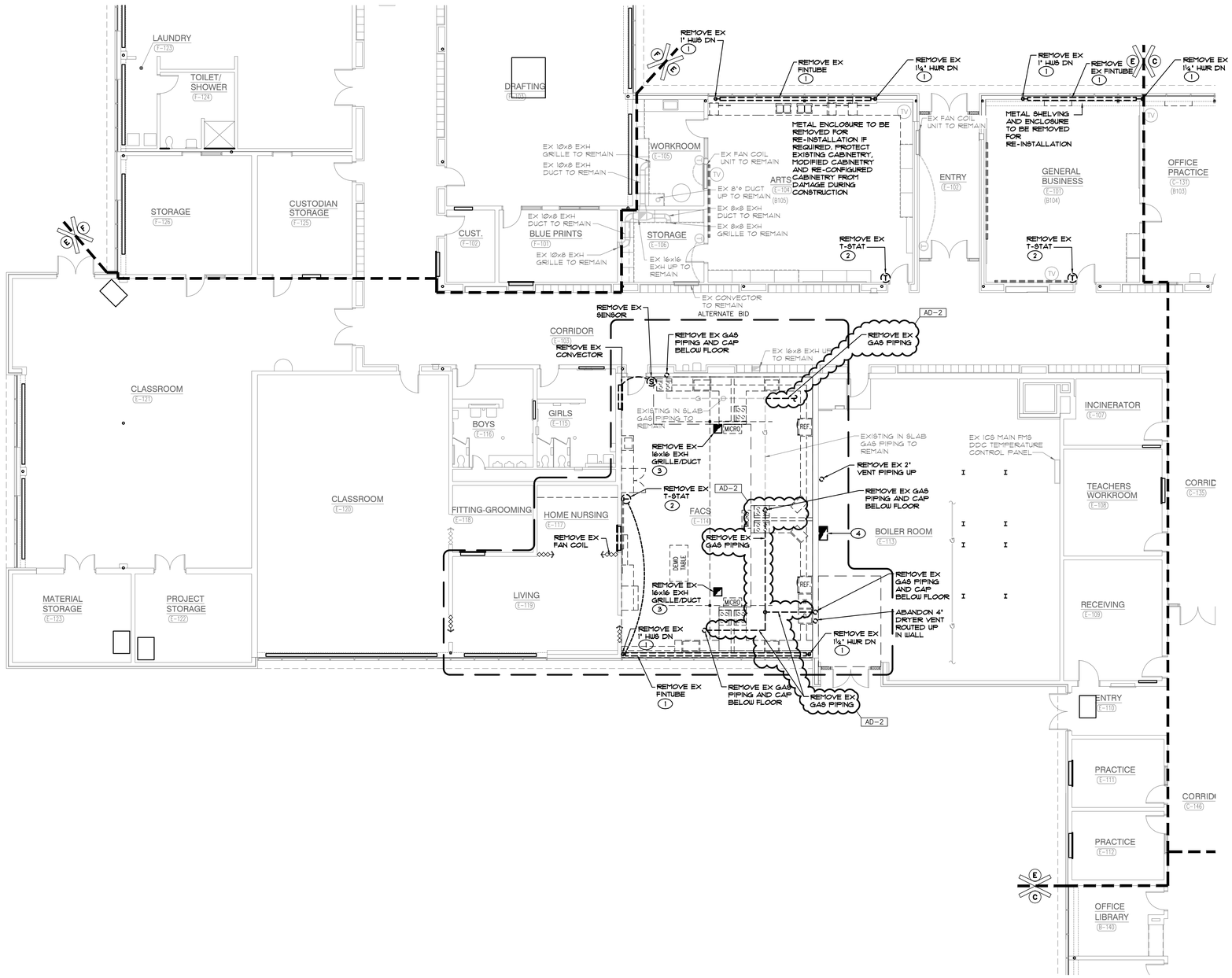
© GIBRALTAR DESIGN

SHEET
A-210

Tuesday, 9/15/2020 - 8:58 AM - LAST SAVED BY:TALLEN
Y:\20-126 UNION-NORTH LAVILLE JR-SR HS - 2020 IMPROVEMENTS\20-126 DRAWINGS\05 ARCH\A-210.DWG

SHEET NOTES

1. REMOVE EXISTING FINTUBE RADIATION AND ASSOCIATED HOT WATER SUPPLY AND RETURN PIPING, ENCLOSURE, VALVES, ETC. COMPLETE AS REQUIRED. CAP HOT WATER SUPPLY AND RETURN PIPING BELOW FLOOR IN TUNNEL.
2. REMOVE EXISTING THERMOSTAT AND ASSOCIATED TUBING COMPLETE AS REQUIRED.
3. REMOVE EXISTING EXHAUST GRILLE AND ASSOCIATED EXHAUST DUCTWORK COMPLETE AS REQUIRED.
4. REMOVE EXISTING EXHAUST DUCTWORK. CAP EXISTING DUCT AT WALL WITH INSULATED (MIN R-30) CAP. COMPLETE AS REQUIRED.



UNIT "E" FIRST FLOOR DEMOLITION PLAN - MECHANICAL HVAC

SCALE: 1/8"=1'0"

NORTH

GIBRALTAR DESIGN

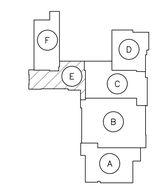
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES ENGINEERING GROUP (317) 924-5400 www.milliesengineeringgroup.com

PROJECT

LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK

UNION NORTH UNITED SCHOOL CORPORATION
LAKEVILLE, IN 46536



KEYPLAN

SCALE: NONE

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-126

DATE 08/24/20

COORDINATED BY BK

DRAWN BY GL, CC

CHECKED BY DJ

REGISTERED DAVID G. JANNEY NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY OTHER PROJECT WITHOUT WRITTEN AUTHORIZATION OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	09/08/20	ADDENDUM NO. 1
AD-2	09/15/20	ADDENDUM NO. 2

DRAWING

UNIT "E" FIRST FLOOR DEMOLITION PLAN - MECHANICAL HVAC

PROJECT

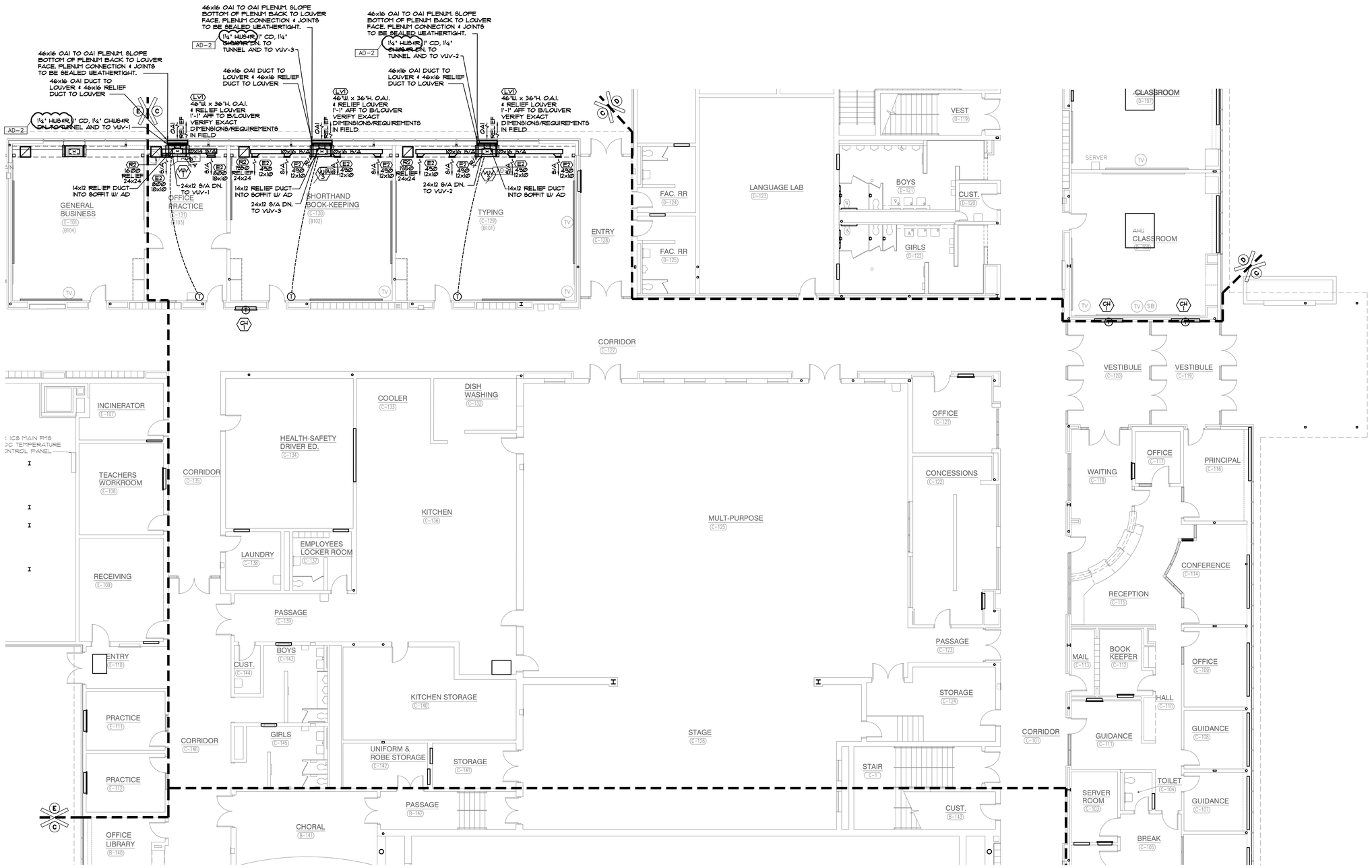
LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS & RELATED WORK

© GIBRALTAR DESIGN

SHEET

DM104

COPYRIGHT © 2020 MILLIES ENGINEERING GROUP



UNIT "C" FIRST FLOOR PLAN - MECHANICAL HVAC

SCALE: 1/8"=1'0"

NORTH

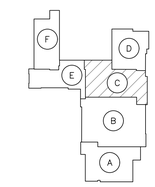
GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES ENGINEERING GROUP
(317) 924-5400
www.milliesengineeringgroup.com

PROJECT

LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK

UNION NORTH UNITED SCHOOL CORPORATION
LAKEVILLE, IN 46536



KEYPLAN
SCALE: NONE

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-126
DATE 08/24/20
COORDINATED BY BK
DRAWN BY GL, CC
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/15/20	ADDENDUM NO. 2

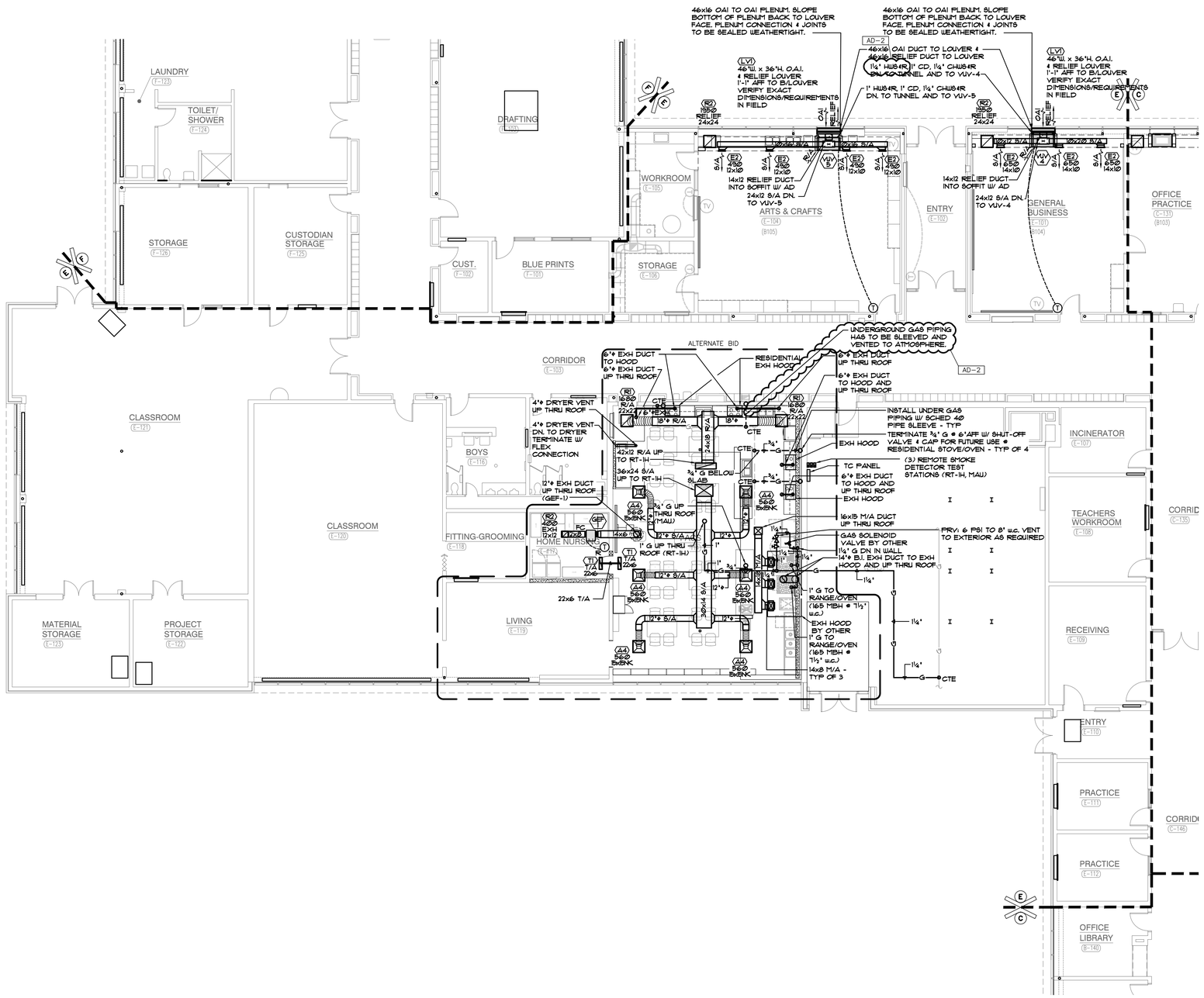
DRAWING
UNIT "C" FIRST FLOOR PLAN - MECHANICAL HVAC

PROJECT
LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS & RELATED WORK

© GIBRALTAR DESIGN

SHEET
M-102

COPYRIGHT © 2020 MILLIES ENGINEERING GROUP



UNIT "E" FIRST FLOOR PLAN - MECHANICAL HVAC

SCALE: 1/8"=1'0"

NORTH

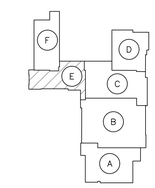
GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES ENGINEERING GROUP
(317) 924-5400
www.milliesengineeringgroup.com

PROJECT

LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK

UNION NORTH UNITED SCHOOL CORPORATION
LAKEVILLE, IN 46536



KEYPLAN
SCALE: NONE

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-126
DATE 08/24/20
COORDINATED BY BK
DRAWN BY GL, CC
CHECKED BY DJ

REGISTERED DAVID G. JANNEY NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY OTHER PROJECT WITHOUT WRITTEN AUTHORIZATION OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	09/08/20	ADDENDUM NO. 1
AD-2	09/15/20	ADDENDUM NO. 2

DRAWING
UNIT "E" FIRST FLOOR PLAN - MECHANICAL HVAC

PROJECT
LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS & RELATED WORK

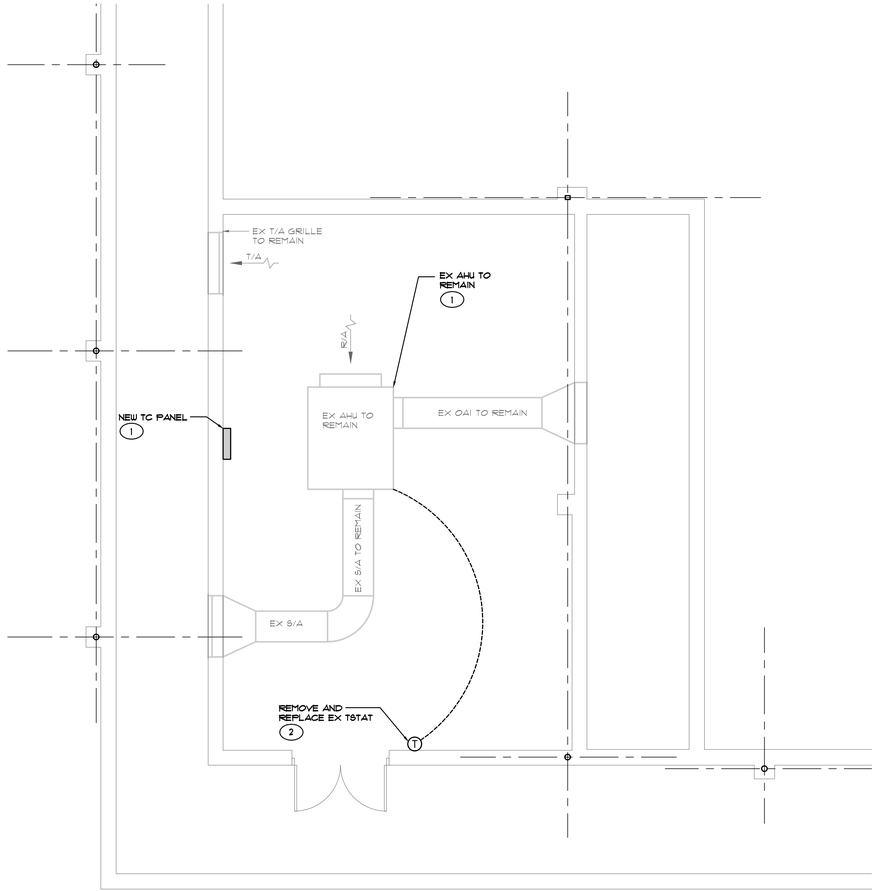
© GIBRALTAR DESIGN

SHEET
M-104

COPYRIGHT © 2020 MILLIES ENGINEERING GROUP

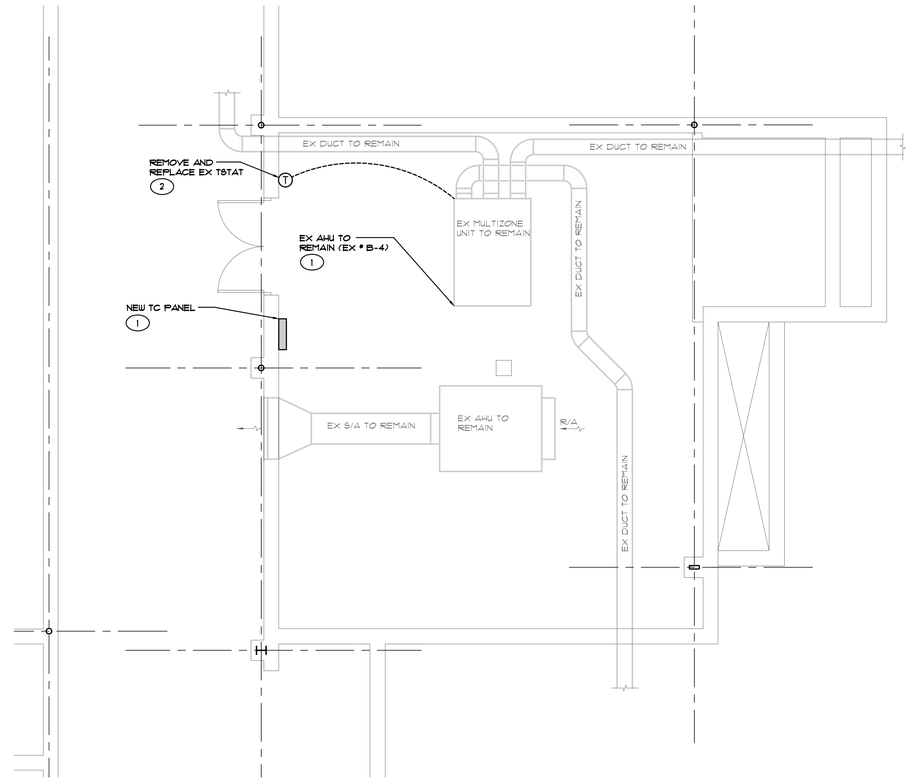
SHEET NOTES

1. PROVIDE A DIRECT DIGITAL CONTROLLER FOR THE AIR HANDLING UNIT TO BE INTERFACED INTO THE EXISTING ICS DDC TEMPERATURE CONTROL SYSTEM. EXISTING AIR HANDLING UNITS HAVE HOT WATER HEATING COIL WITH COIL PUMP, CHILLED WATER COOLING COIL, 3 WAY COIL CONTROL VALVES, SMOKE DETECTION, AND ELECTRIC DAMPER AND CONTROL VALVE ACTUATORS. PROVIDE ALL NECESSARY SENSORS, COMPONENTS, WIRING, DEVICES, ETC. TO FULLY INTEGRATE AND CONTROL THE AIR HANDLING UNIT, ELECTRIC DAMPER ACTUATORS, ELECTRIC CONTROL VALVES, COIL PUMPS, ROOM SENSORS/THERMOSTATS, ETC. TO THE ICS FMS SYSTEM. PROVIDE ADDITIONAL ICS FMS CONTROLLER/SERVERS, PROGRAMMING AND GRAPHICS FOR EXISTING CONSTANT VOLUME AND MULTI-ZONE AIR HANDLING UNITS, COIL PUMPS, DAMPERS AND COIL CONTROL VALVES, ZONE SENSORS, ETC. FOR A COMPLETE AND 100% INTEGRATED OPERATIONAL SYSTEM. ALL EXISTING SEQUENCES, CONTROL POINTS, MONITOR POINTS, MONITOR POINTS, ETC SHALL REMAIN THE SAME. VERIFY EXACT REQUIREMENTS IN THE FIELD. SEE MECHANICAL SPECIFICATIONS FOR TEMPERATURE CONTROL SEQUENCES.
2. REMOVE EXISTING THERMOSTAT AND ASSOCIATED TUBING/WIRING, ETC COMPLETE AS REQUIRED. INSTALL NEW DDC THERMOSTAT AND CONTROL WIRING TO PROPER EXISTING AIR HANDLING UNIT.



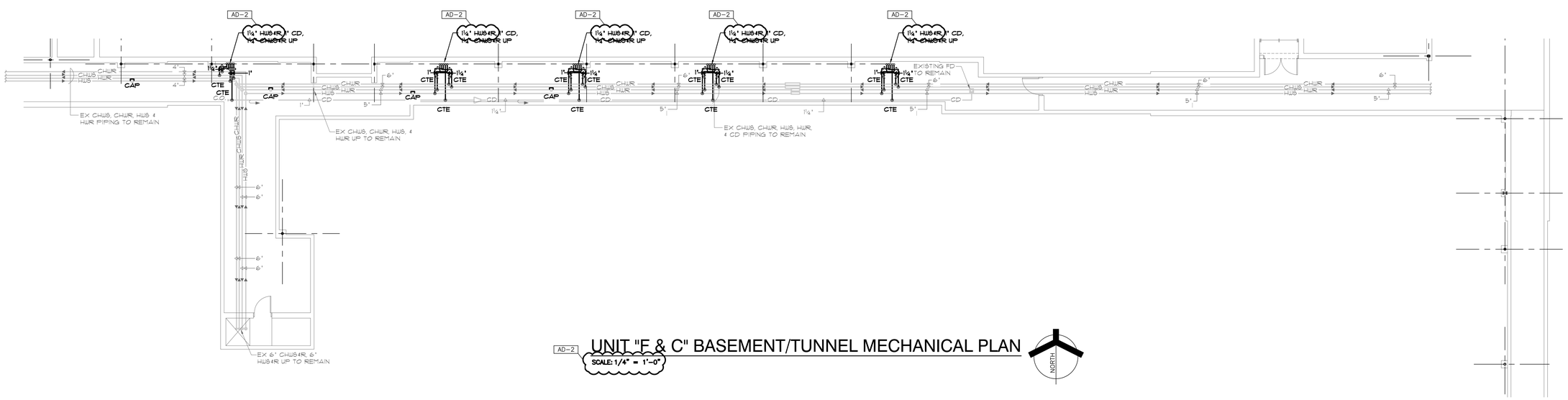
UNIT "F" BASEMENT/TUNNEL MECHANICAL PLAN

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



UNIT "D" BASEMENT/TUNNEL MECHANICAL PLAN

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



AD-2 UNIT "F & C" BASEMENT/TUNNEL MECHANICAL PLAN

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

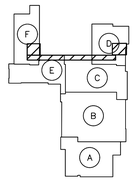
GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES ENGINEERING GROUP
(317) 924-5400
www.milliesengineeringgroup.com

PROJECT

LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK

UNION NORTH UNITED SCHOOL CORPORATION
LAKEVILLE, IN 46536



KEYPLAN
SCALE: NONE

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-126
DATE 08/24/20
COORDINATED BY BK
DRAWN BY GL, CC
CHECKED BY DJ

REGISTERED DAVID G. JANNEY NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE OTHER THAN THE PERFORMANCE OF WORK BY OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/15/20	ADDENDUM NO. 2

DRAWING
ENLARGED MECHANICAL PLANS

PROJECT
LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS & RELATED WORK

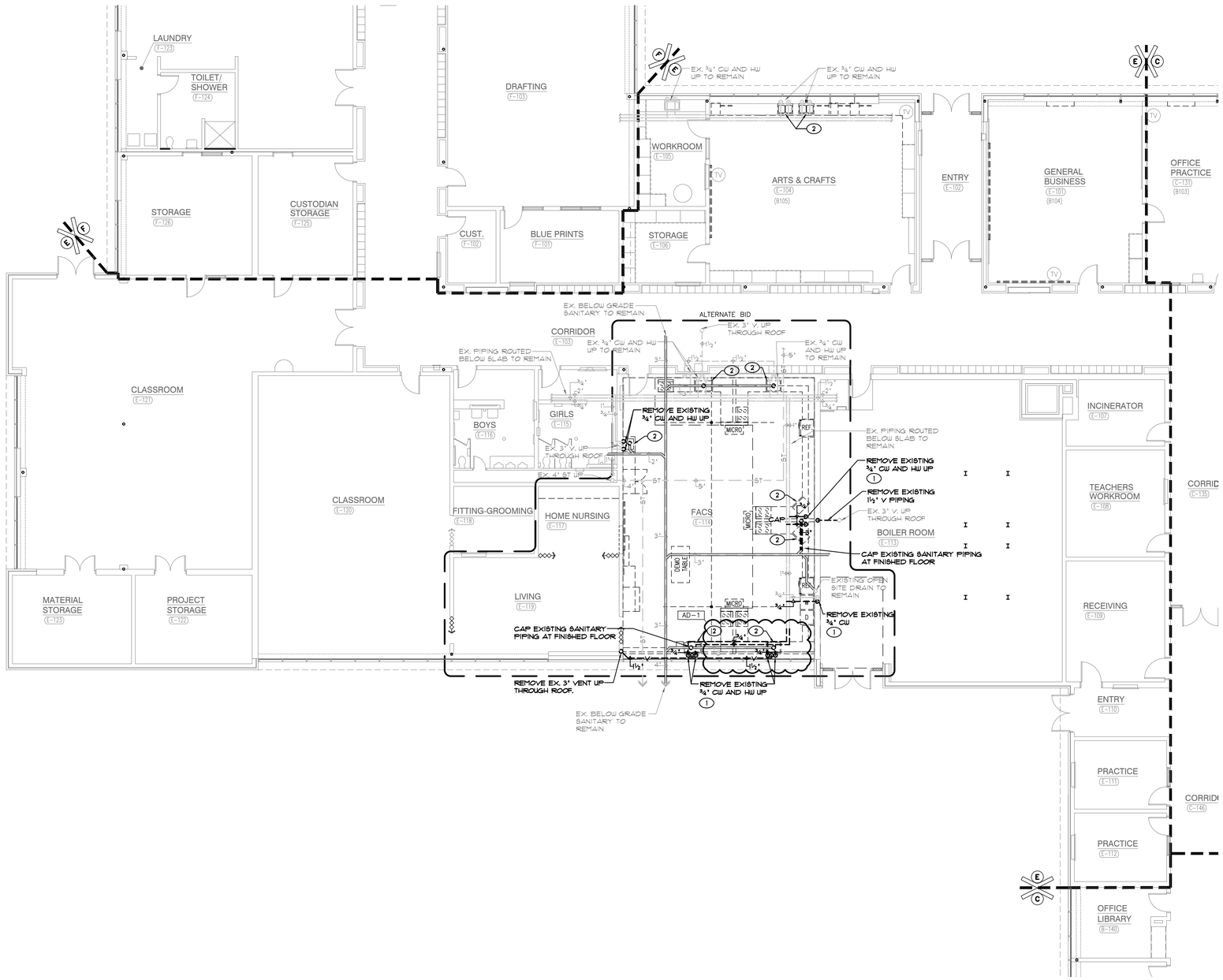
© GIBRALTAR DESIGN

SHEET
M-401

COPYRIGHT © 2020 MILLIES ENGINEERING GROUP

SHEET NOTES

1. REMOVE EXISTING DOMESTIC HOT AND COLD WATER PIPING COMPLETE AS REQUIRED. CAP EXISTING PIPING AT MAIN BELOW FINISHED FLOOR.
2. REMOVE EXISTING SINK AND FAUCET AND ALL ASSOCIATED HOT/COLD WATER, SANITARY AND VENT PIPING COMPLETE AS REQUIRED.



UNIT "E" FIRST FLOOR DEMOLITION PLAN - PLUMBING

SCALE: 1/8"=1'0"

GIBRALTAR DESIGN

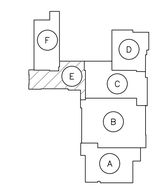
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES ENGINEERING GROUP (317) 924-5400 www.milliesengineeringgroup.com

PROJECT

LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK

UNION NORTH UNITED SCHOOL CORPORATION
LAKEVILLE, IN 46536



KEYPLAN

SCALE: NONE

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-126

DATE 08/24/20

COORDINATED BY BK

DRAWN BY GL, CC

CHECKED BY DJ

REGISTERED DAVID G. JANNEY NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY OTHER PROJECT WITHOUT WRITTEN AUTHORIZATION OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	09/08/20	ADDENDUM NO. 1

DRAWING

UNIT "E" FIRST FLOOR DEMOLITION PLAN - PLUMBING

PROJECT

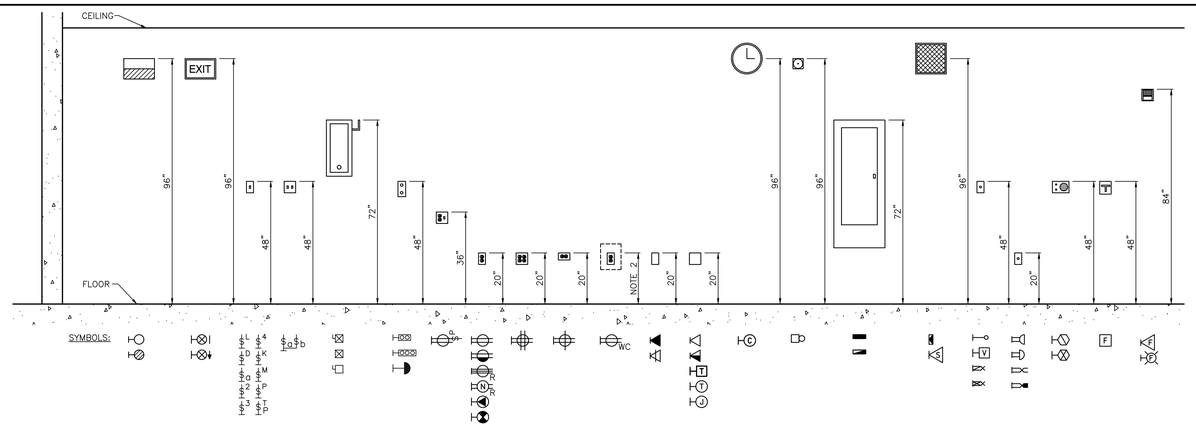
LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS & RELATED WORK

© GIBRALTAR DESIGN

SHEET

DP104

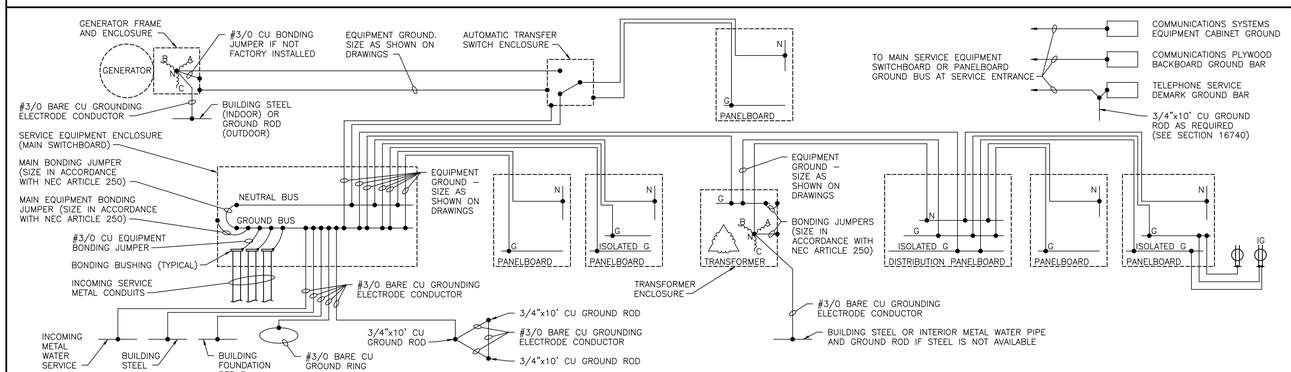
COPYRIGHT © 2020 MILLIES ENGINEERING GROUP



ELECTRICAL ELEVATION

NOT TO SCALE

NOTES:
1. EQUIPMENT MOUNTING HEIGHTS SHALL BE INDICATED UNLESS OTHERWISE NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS.
2. CONCEAL RECEPTACLE BEHIND WATER COOLER. VERIFY EXACT MOUNTING HEIGHTS.



TYPICAL GROUNDING DETAIL

NOT TO SCALE

GENERAL ELECTRICAL PROJECT NOTES - APPLY TO ALL ELECTRICAL SHEETS:

1. ALL WORK INDICATED ON THE ELECTRICAL DRAWINGS IS NEW AND BY THIS CONTRACTOR UNLESS OTHERWISE INDICATED.
2. VERIFY ALL DIMENSIONS FROM ARCHITECTURAL PLANS.
3. DIMENSIONS SHOWN ON DEVICES, EQUIPMENT, ETC. SHALL BE TO THE TOP OF THE DEVICE, EQUIPMENT, ETC. ABOVE THE FINISHED FLOOR UNLESS OTHERWISE NOTED.
4. PROVIDE ALL DISCONNECTS, STARTERS, OUTLETS, RECEPTACLES, WIRING, CONDUIT, PATHWAYS, ETC. AS REQUIRED TO PROPERLY CONNECT ALL EQUIPMENT. FIELD VERIFY REQUIREMENTS WITH APPROVED SUBMITTALS, NAME PLATES, EQUIPMENT SUPPLIERS, ETC. PRIOR TO INSTALLATION. ADJUST SIZE OF DISCONNECTS, BREAKERS, WIRING, ETC. AS REQUIRED TO COMPLETE THE ELECTRICAL INSTALLATION.
5. COORDINATE EXACT LOCATIONS OF LIGHTING FIXTURES, WIRING DEVICES, OUTLETS, ETC. WITH ARCHITECTURAL PLANS, SCHEDULES, ELEVATIONS, DETAILS AND APPROVED SUBMITTALS PRIOR TO ROUGH–IN AND ADJUST ACCORDINGLY.
6. FIELD VERIFY EXACT LOCATION OF LIGHTING FIXTURES, FIRE ALARM DEVICES, SECURITY SYSTEM DEVICES, ETC., IN ROOMS THAT CONTAIN EXPOSED DUCTWORK AND PIPING AND RELOCATE AS REQUIRED BY THE ARCHITECT.
7. WHERE OCCUPANCY SENSORS ARE INDICATED ON PLANS, THE ENTIRE ROOM SHALL BE COVERED. MANUFACTURER IS RESPONSIBLE FOR SENSOR LAYOUT. ADDITIONAL SENSORS REQUIRED FOR LACK OF COVERAGE SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. PROVIDE QUANTITY AS REQUIRED, BUT NOT LESS THAN THE QUANTITY SHOWN. CEILING AND WALL MOUNTED SENSORS SHALL BE DUAL TECHNOLOGY TYPE. SENSORS SHALL INCLUDE ALL POWER SUPPLIES AND RELAYS NECESSARY TO CONTROL THE LIGHT FIXTURES.
8. ALL CIRCUITS ARE 20 AMP, SINGLE–POLE UNLESS OTHERWISE INDICATED.
9. MINIMUM WIRE SIZE SHALL BE 12 AWG UNLESS OTHERWISE INDICATED. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE INDICATED.
10. ALL CIRCUITS SHALL CONTAIN A GROUND WIRE.
11. EACH NEUTRAL WIRE SHALL BE DEDICATED TO A CIRCUIT. DO NOT SHARE NEUTRAL WIRING WITH MULTIPLE CIRCUITS.
12. PROVIDE #10 WIRING FOR ALL 120 VOLT, 20 AMP CIRCUITS EXCEEDING 75 FEET IN LENGTH AND FOR ALL 277V CIRCUITS EXCEEDING 175 FEET IN LENGTH UNLESS OTHERWISE NOTED WITH LARGER WIRING.
13. PROVIDE BLANK COVER PLATES FOR ALL EMPTY OUTLET BOXES. BLANK COVER PLATES SHALL MATCH WIRING DEVICE COVER PLATES IN SIZE, TYPE, AND COLOR. CEILING AND CLOUD MOUNTED OUTLET BOX COVERPLATE TYPE AND COLOR SHALL BE SELECTED BY THE ARCHITECT.
14. PROVIDE PULL–WIRE IN ALL EMPTY CONDUITS.
15. TERM "DEVICES" WHERE USED SHALL INCLUDE VOICE/DATA JACKS AND OUTLETS, OTHER COMMUNICATIONS DEVICES, SECURITY DEVICES, FIRE ALARM DEVICES, ETC. UNLESS OTHERWISE SPECIFICALLY NOTED.
16. PROVIDE BOXES WITH CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE FOR ALL COMMUNICATIONS DEVICES SUCH AS FIRE ALARM, SECURITY, DOOR CONTROL, VOICE/DATA, NURSE CALL, INTERCOM, ETC. UNLESS OTHERWISE NOTED.
17. PROVIDE CONDUIT STUBS THROUGH WALLS ABOVE CEILING FOR CABLING AS REQUIRED FOR COMPLETE AND OPERATIONAL SYSTEMS.
18. PROVIDE PLASTIC BUSHINGS ON THE ENDS OF ALL COMMUNICATION SYSTEMS CONDUIT UNLESS OTHERWISE NOTED.
19. VERIFY HEIGHT AND LOCATION OF OUTLETS BEHIND WATER COOLERS WITH OTHER TRADES SO THAT OUTLETS ARE CONCEALED.
20. ALL EXTERIOR DUPLEX RECEPTACLES SHALL BE GFCI WITH "WHILE–IN–USE" WEATHER PROOF COVERS.
21. DEMOLITION, CUTTING, PATCHING, CORE DRILLING, AND PAINTING FOR ELECTRICAL WORK, WHETHER SHOWN OR NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR. CONTRACTOR IS REPSONSIBLE FOR REVIEW OF ALL DRAWINGS AND SPECIFICATIONS OF THIS PROJECT.
22. CONDUIT TO LIGHTS IS SHOWN TO INDICATE SWITCHING AND DOES NOT INDICATE QUANTITY OR EXACT LOCATION. OTHER CONDUIT SHOWN INDICATES CONNECTION, BUT DOES NOT INDICATE QUANTITY OR LO
23. CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING AND INSPECTING THE EXISTING SITE PRIOR TO BID AND BECOMING FAMILIAR WITH THE CONDITIONS AFFECTING THE WORK. VERIFY SIZE, LOCATION AND OTHER PARAMETERS OF THE EXISTING CONDITIONS. NO ADDITIONAL COSTS WILL BE PAID TO THE CONTRACTOR BECAUSE OF FAILURE TO OBTAIN INFORMATION ON EXISTING CONDITIONS. DEMOLITION WORK INDICATED IN THE SPECIFICATION AND ON THE DRAWINGS IS BASED ON CASUAL FIELD OBSERVATION AND EXISTING DRAWINGS WHEN AVAILABLE.
24. NOT ALL EQUIPMENT, DEVICES, RACEWAYS, WIRING, ETC. TO BE REMOVED ARE SHOWN. FIELD VERIFY ALL SUCH EQUIPMENT, DEVICES, RACEWAYS, WIRING, ETC. THAT ARE INDICATED TO BE REMOVED WHETHER OR NOT SHOWN ON THE DRAWINGS.
25. REMOVE DEVICES IN WALLS, CEILINGS, FLOORS, ETC. SCHEDULED FOR DEMOLITION.
26. FOR ELECTRICAL EQUIPMENT AND DEVICES INDICATED TO BE REMOVED: DISCONNECT AND REMOVE THESE ITEMS INCLUDING ALL RACEWAY, WIRING, HANGERS, ETC. NO LONGER REQUIRED WITH NEW CONSTRUCTION UNLESS OTHERWISE NOTED.
27. MAINTAIN ELECTRICAL SYSTEMS THAT ARE TO REMAIN: INTERCEPT AND EXTEND OR REROUTE CIRCUITS, FEEDERS, CABLING, ETC. THAT SERVES EQUIPMENT THAT ARE ROUTED THROUGH STRUCTURES, WALLS, ETC. NOTED TO BE REMOVED OR CONNECTED TO EQUIPMENT OR DEVICES BEING REMOVED OR IN THE PATH OF NEW WORK BY ANY TRADE.
28. FOR ELECTRICAL EQUIPMENT AND DEVICES INDICATED TO BE RELOCATED OR REMOVED AND REINSTALLED: DISCONNECT AND REMOVE THESE ITEMS INCLUDING ALL RACEWAY, WIRING, HANGERS, ETC. NO LONGER REQUIRED WITH NEW CONSTRUCTION. CLEAN EQUIPMENT AND DEVICES, INSTALL IN NEW LOCATION INDICATED. INTERCEPT AND EXTEND OR REROUTE CIRCUITS, FEEDERS, CABLING, ETC. THAT SERVES THESE ITEMS TO THE RELOCATED EQUIPMENT OR DEVICE UNLESS OTHERWISE NOTED.
29. RELOCATED OR REMOVED AND REINSTALLED ITEMS SHALL BE CLEANED AND PLACED IN STORAGE UNTIL ITEMS ARE READY TO BE REINSTALLED. IF ITEM IS DAMAGED, IT SHALL BE REPAIRED OR REPLACED WITH NEW ITEM AS APPROVED.
30. REFER TO MECHANICAL, PLUMBING, CIVIL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL ITEMS NOT INDICATED ON THE ELECTRICAL DRAWINGS WITH ELECTRICAL CONNECTIONS TO BE REMOVED. FOR ALL SUCH ITEMS ELECTRICALLY DISCONNECT AND REMOVE ELECTRICAL EQUIPMENT, DEVICES, WIRING, RACEWAY ETC. NO LONGER REQUIRED FOR NEW CONSTRUCTION. COORDINATE WITH OTHER TRADES FOR ALL SUCH ITEMS.
31. REFER TO MECHANICAL, PLUMBING, CIVIL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL ITEMS NOT INDICATED ON THE ELECTRICAL DRAWINGS WITH ELECTRICAL CONNECTIONS TO BE RELOCATED. FOR ALL SUCH ITEMS ELECTRICALLY DISCONNECT COMPLETE AT NEW LOCATION. COORDINATE WITH OTHER TRADES FOR ALL SUCH ITEMS. REMOVE ELECTRICAL EQUIPMENT, DEVICES, WIRING, RACEWAY ETC. NO LONGER REQUIRED FOR NEW CONSTRUCTION.
32. EXISTING RACEWAY AND BOXES NO LONGER REQUIRED WITH NEW CONSTRUCTION LOCATED IN WALLS, CEILINGS, FLOORS, ETC. THAT REMAIN SHALL BE ABANDONED. REMOVE ALL ACCESSIBLE RACEWAY INCLUDING CONDUIT ABOVE ACCESSIBLE CEILINGS AND SURFACE BOXES.
33. REUSE OF EXISTING CONDUIT IN PLACE IS PERMITTED WHERE SUCH USE IS IN GOOD CONDITION AND ALLOWED BY THE NATIONAL ELECTRICAL CODE EXCEPT REUSING UNDERGROUND FEEDER CONDUITS IS NOT PERMITTED.
34. REMOVE AND REINSTALL ELECTRICAL EQUIPMENT, DEVICES, ETC. THAT ARE TO REMAIN TO ACCOMMODATE NEW WALL FINISHES. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ALL SUCH REQUIREMENTS.
35. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL FOR ALL EXISTING EQUIPMENT AND MATERIAL BEING REMOVED.
36. CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REINSTALLING ALL CEILING PADS AND CEILING GRIDS, NOT INDICATED ON ARCHITECTURAL DRAWINGS, AS NECESSARY TO COMPLETE ALL ELECTRICAL WORK.
37. WHEN RECONNECTING EXISTING LOADS TO NEW CIRCUITS, CONNECT A MAXIMUM OF 3000 WATTS TO A 277V LIGHTING CIRCUIT, 1200 WATTS TO A 120V LIGHTING CIRCUIT AND NO MORE THAN 5 GENERAL PURPOSE DUPLEX RECEPTACLES TO A 120V CIRCUIT.
38. VOICE/DATA AND VIDEO SYSTEMS INFRASTRUCTURE: PROVIDE OUTLET BOXES, BACK BOXES, COVER PLATES AND CONDUIT FOR CABLING PROVIDED BY OWNER.
39. PROVIDE ELECTRICAL ROUGH–INS AS REQUIRED TO ACCOMMODATE ELECTRIFIED DOOR HARDWARE SUCH AS CARD READERS, DOOR ACTUATORS, DOOR CONTACTS, POWER ASSISTED OPERATORS, ETC. REFER TO DOOR RUOGH–IN DETAIL ON DRAWING E–602, DOOR SCHEDULES ON AE600 SERIES DRAWINGS AND SPECIFICATION SECTION 08 71 00 FOR EXACT REQUIREMENTS. PROVIDE A DEDICATED 120v POWER CIRCUIT CONNECTED TO THE NEAREST AVAILABLE SPARE 1P–20A CIRCUIT BREAKER IN A NON–GENERATOR POWERED ELECTRICAL PANEL TO EACH EXTERIOR DOOR LISTED IN SPECIFICATION SECTION 08 71 00 AND THE DOOR HARDWARE SCHEDULES.
40. CONTRACTOR SHALL PHOTO DOCUMENT EXISTING FIELD CONDITIONS PRIOR TO START OF CONSTRUCTION IN ALL AREAS WHERE WORK IS TO OCCUR, WHICH WILL BE EXPOSED TO VIEW FROM FINISHED FLOOR OF AREAS WHERE WORK OCCURRED WHEN FINISHED.

ELECTRICAL SYMBOL SCHEDULE

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
a F-3	FLUORESCENT LIGHT FIXTURE (F–3 INDICATES FIXTURE TYPE; "a" INDICATES SWITCHING)	S	SPEAKER (CEILING MOUNTED–RECESSED)
a EF-3	FLUORESCENT LIGHT FIXTURE (EMERGENCY/WALK THRU/SECURITY) (F–3 INDICATES FIXTURE TYPE)	S S	SPEAKER (CEILING MOUNTED–SURFACE)
a K-3	INCANDESCENT/HIGH INTENSITY DISCHARGE LIGHT FIXTURE (K–3 INDICATES FIXTURE TYPE, "a" INDICATES SWITCHING)	S VC	SPEAKER WITH BUILT–IN VOLUME CONTROL (CEILING MOUNTED–RECESSED)
a K-3	INCANDESCENT/HIGH INTENSITY DISCHARGE WALL MOUNTED LIGHT FIXTURE (K–3 INDICATES FIXTURE TYPE, "a" INDICATED SWITCHING)	S SC	SPEAKER – UNLIFTED CIRCUIT FROM SCHOOL INTERCOM SOUND SYSTEM (CEILING MOUNTED–RECESSED)
a K-3	INCANDESCENT/HIGH INTENSITY DISCHARGE LIGHT FIXTURE (EMERGENCY/WALK THRU/ SECURITY) (K–3 INDICATES FIXTURE TYPE)	S PM	SPEAKER – PROGRAM MONITOR (CEILING MOUNTED–RECESSED)
K-2	EXIT SIGN – CEILING MOUNTED (BAR INDICATES FACE; K–2 INDICATES FIXTURE TYPE)		SPEAKER (WALL MOUNTED)
K-2	EXIT SIGN – CEILING MOUNTED (ARROW INDICATES FACE WITH DIRECTIONAL ARROW; K–2 INDICATES FIXTURE TYPE)	K	SPEAKER (PAGING HORN TYPE)
K-2	EXIT SIGN – WALL MOUNTED (BAR INDICATES FACE; K–2 INDICATES FIXTURE TYPE)	IC IC	SCHOOL INTERCOM CALL–IN ENTRY/SPEAKER STATION
K-2	EXIT SIGN – WALL MOUNTED (ARROW INDICATES FACE WITH DIRECTIONAL ARROW; K–2 INDICATES FIXTURE TYPE)		PUSH–TO–CALL SWITCH
K-1	POLE MOUNTED LIGHT FIXTURE (K–1 INDICATES FIXTURE TYPE)	V	SCHOOL INTERCOM VOLUME CONTROL, UNLESS OTHERWISE NOTED
L	3 AMPERE RATED 25 VOLT SWITCH (LOW VOLTAGE SYSTEM)	K	INTERCOMMUNICATIONS SYSTEM ADMINISTRATIVE CONTROL STATION
D	WALL DIMMER	T	INTERCOMMUNICATIONS SYSTEM ADMINISTRATIVE CONTROL STATION FLOOR OUTLET ("T" INDICATES TYPE)
a	20 AMPERE RATED 120/277 VOLT SINGLE POLE SWITCH ("a" INDICATES LIGHT FIXTURE SWITCHING)		MICROPHONE INPUT JACK (FEMALE CONNECTOR)
2	20 AMPERE RATED 120/277 VOLT TWO POLE SWITCH		MICROPHONE INPUT JACK (MALE CONNECTOR)
3	20 AMPERE RATED 120/277 VOLT THREE WAY SWITCH	T	MICROPHONE FLOOR OUTLET ("T" INDICATES TYPE)
4	20 AMPERE RATED 120/277 VOLT FOUR WAY SWITCH		AUXILIARY INPUT JACK
M	20 AMPERE RATED 120/277 VOLT MOMENTARY SWITCH		MONITOR SPEAKER OUTPUT JACK
K	KEY OPERATED SWITCH		SOUND JUNCTION BOX/TERMINAL CABINET
P	SWITCH WITH PILOT LIGHT	T	AUXILIARY INPUT FLOOR OUTLET ("T" INDICATES TYPE)
a b	MULTIPLE SWITCHES GANGED IN MULTI–GANG BOX WITH SINGLE COVERPLATE		MULTIPLE JACK SOUND SYSTEM INPUT/OUTPUT PANEL
OS	OCCUPANCY SENSOR SWITCH		WALL MOUNTED, SINGLE CHANNEL INTERCOM STATION
OS,D	OCCUPANCY SENSOR/DIMMER SWITCH		WALL MOUNTED, TWO CHANNEL INTERCOM STATION
S a	OCCUPANCY SENSOR – WALL MOUNTED ("a" INDICATES SWITCH LEG(S) WIRED IN SERIES WITH OCCUPANCY SENSOR)		SINGLE CHANNEL INTERCOM BELT–PAC JACK
S a	OCCUPANCY SENSOR – CEILING MOUNTED ("a" INDICATES SWITCH LEG(S) WIRED IN SERIES WITH OCCUPANCY SENSOR)		TWO CHANNEL INTERCOM BELT–PAC JACK
PC	PHOTOCELL		
TC	TIMECLOCK	FACP	FIRE ALARM SYSTEM CONTROL PANEL
T P	MANUAL MOTOR STARTER WITH THERMAL OVERLOADS AND PILOT LIGHT	FAAP	FIRE ALARM SYSTEM ANNUNCIATOR PANEL
J	COMBINATION MOTOR STARTER	F	FIRE ALARM SYSTEM MANUAL STATION
	MAGNETIC MOTOR STARTER	K	FIRE ALARM SYSTEM AUDIO/VISUAL UNIT
J	NONFUSED SAFETY SWITCH RATED FOR 30 AMPERES UNLESS OTHERWISE NOTED	F	FIRE ALARM SYSTEM MANUAL STATION WITH AUDIO/VISUAL UNIT LOCATED ABOVE
P	ON–OFF PUSH BUTTON OR SELECTOR SWITCH (P–INDICATES PILOT LIGHT)		FIRE ALARM SYSTEM VISUAL UNIT
P	HIGH–LOW–OFF PUSH BUTTON OR SELECTOR SWITCH (P–INDICATES PILOT LIGHT)	F A	FIRE ALARM SYSTEM AUTOMATIC AREA HEAT DETECTOR (135 DEGREE TEMPERATURE SETTING UNLESS OTHERWISE NOTED)
	RED MUSHROOM SHAPED PLUNGER PUSH BUTTON–USED FOR SHUNT TRIP	F A	FIRE ALARM SYSTEM AUTOMATIC AREA SMOKE DETECTOR
	MULTI–OUTLET ASSEMBLY SURFACE RACEWAY WITH RACEWAY MOUNTED DEVICES. DEVICE SPACING AS INDICATED ON FLOOR PLANS. SEE SPECIFICATIONS.	F D	FIRE ALARM SYSTEM AUTOMATIC DUCT SMOKE DETECTOR
G	SPECIAL IRONING RECEPTACLE IN TWO GANG BOX	RTS	FIRE ALARM SYSTEM SMOKE DETECTOR REMOTE TEST STATION
	20 AMPERE RATED 3 WIRE 125 VOLT GROUNDING TYPE DUPLEX RECEPTACLE	F	SPRINKLER SYSTEM FLOW SWITCH
	20 AMPERE RATED 3 WIRE 125 VOLT GROUNDING TYPE DOUBLE DUPLEX RECEPTACLE		SPRINKLER SYSTEM CONTROL VALVE TAMPER SWITCH
	20 AMPERE RATED 3 WIRE 125 VOLT GROUNDING TYPE DUPLEX RECEPTACLE (HORIZONTALLY MOUNTED)	DH	MAGNETIC DOOR HOLDER (PROVIDED BY DOOR HARDWARE SUPPLIER, WIRED COMPLETE BY DIVISION 26)
WC	20 AMPERE RATED 3 WIRE 125 VOLT GROUNDING TYPE DUPLEX RECEPTACLE CONCEALED BEHIND WATER COOLER (VERIFY EXACT HEIGHT AND LOCATION)	IC M	ENTRY VIDEO INTERCOM SYSTEM MASTER STATION
	20 AMPERE RATED, 5 WIRE, SPLIT WIRED 125 VOLT GROUNDING TYPE DUPLEX RECEPTACLE (CONSTANT AND CONTROLLED)	IC D	ENTRY VIDEO INTERCOM SYSTEM DOOR STATION
R	125/250 VOLT RATED 3 WIRE RECEPTACLE (R–INDICATES AMPERE RATING)	KP WP	ACCESS CONTROL OR SECURITY SYSTEM KEYPAD STATION ("WP" DENOTES WEATHERPROOF)
N R	250 VOLT RATED RECEPTACLE (N–INDICATES NUMBER OF POLES; R–INDICATES AMPERE RATING)	CR WP	ACCESS CONTROL SYSTEM CARD READER ("WP" DENOTES WEATHERPROOF) – NOTES 4 AND 5
	SPECIAL RECEPTACLE–SEE FLOOR PLANS FOR NEMA CONFIGURATION	TP	SECURITY SYSTEM TEMPERATURE ALARM SENSOR
	20 AMPERE RATED 3 WIRE 125 VOLT LOCKING GROUNDING TYPE RECEPTACLE – CEILING MOUNTED	DR	PUSH PLATE FOR POWER ASSISTED OPERATOR PROVIDED BY DOOR MANUFACTURER. DIVISION 26 TO INSTALL THE OPERATOR AT +36" – NOTE 6.
T	FLOOR POCKET (SHADED AREA INDICATES HINGED PART OF LID – "T" INDICATES TYPE)	M/IR	MOTION DETECTOR–DUAL TECHNOLOGY
A	FLOOR OUTLET ("A" INDICATES TYPE)		MAGNETIC SWITCH FOR INTRUSION DETECTION SYSTEM – NOTE 4
B	FLOOR OUTLET WITH TELEPHONE OUTLET ("B" INDICATES TYPE) – NOTE 3		VIDEO SURVEILLANCE CAMERA ROUGH–IN. PROVIDE FLUSH MOUNTED SINGLE–GANG OUTLET BOX WITH 3/4" CONDUIT ROUTED TO ABOVE ACCESSIBLE CEILING. CAMERA PROVIDED UNDER SEPARATE CONTRACT. PROVIDE BLANK COVERPLATE.
C X	FLOOR OUTLET WITH VOICE/DATA OUTLET ("C" INDICATES FLOOR OUTLET TYPE) ("X" INDICATES VOICE/DATA OUTLET TYPE) – NOTE 3		
D X	FLOOR OUTLET WITH DATA OUTLET ("D" INDICATES FLOOR OUTLET TYPE) ("X" INDICATES DATA OUTLET TYPE) – NOTE 3		NEW UTILITY POLE
W	TELEPHONE OUTLET – NOTE 3		EXISTING UTILITY POLE
X	VOICE/DATA OUTLET IN TWO GANG BOX, UNLESS OTHERWISE INDICATED, WITH 20 AMP RATED 3 WIRE 125 VOLT GROUNDING TYPE DOUBLE DUPLEX RECEPTACLE (X–INDICATES OUTLET TYPE) – NOTE 3	CH	CABINET HEATER
		CUV	CLASSROOM UNIT VENTILATOR
X	DATA OUTLET IN TWO GANG BOX, UNLESS OTHERWISE INDICATED, WITH 20 AMPERE RATED 3 WIRE 125 VOLT GROUNDING TYPE DOUBLE DUPLEX RECEPTACLE (X–INDICATES OUTLET TYPE) – NOTE 3	FCU	FAN COIL UNIT
T X	TELEVISION OUTLET (X–INDICATES OUTLET TYPE) – NOTE 3	FPB	FAN POWER BOX
T X	TELEVISION OUTLET IN CEILING (X–INDICATES OUTLET TYPE) – NOTE 3	UH	UNIT HEATER
T A	LOCAL ORIGINATION TELEVISION INPUT JACKS FOR AUDIO AND VIDEO (X–INDICATES OUTLET TYPE) – NOTE 3	VAV	VARIABLE AIR VOLUME BOX
T X R	REMOTE ORIGINATION TELEVISION INPUT JACKS FOR AUDIO AND VIDEO (X–INDICATES OUTLET TYPE) – NOTE 3	ACCU	AIR COOLED CONDENSING UNIT
C	CLOCK–SINGLE FACE – SEE SPECIFICATIONS	AHU	AIR HANDLING UNIT
	BELL	GFCI	GROUND FAULT CIRCUIT INTERRUPTER
	ELECTRICAL PANELBOARD	IG	ISOLATED GROUND
J	JUNCTION BOX–WALL MOUNTED (ALLOW 4'–0" OF WIRE FOR CONNECTION)	NL	NIGHT LIGHT
J	JUNCTION BOX–CEILING MOUNTED (ALLOW 4'–0" OF WIRE FOR CONNECTION)	REF	ROOF EXHAUST FAN
	CONDUIT STUB UP (COUPLING FLUSH WITH FINISHED FLOOR – SEE DETAIL), OR CONDUIT STUB INTO EQUIPMENT OR STRUCTURE (I.E. DOOR FRAME).	RTU	ROOF TOP UNIT
M	MOTOR	VP	VANDAL PROOF
M	CABINET HEATER/UNIT VENTILATOR/FAN COIL UNIT/UNIT HEATER/FAN POWER BOX PROVIDED BY DIVISION 23 AND WIRED COMPLETE BY DIVISION 26.	WG	WIRE GUARD
		TP	TAMPERPROOF — AD–2
		WP	WEATHERPROOF

ELECTRICAL SYMBOL SCHEDULE NOTES:
1. NOT ALL SYMBOLS SHOWN ARE USED ON THIS PROJECT.
2. ON ELECTRICAL DEMOLITION SHEETS, DASHED SYMBOLS SHALL INDICATE EXISTING EQUIPMENT OR DEVICE TO BE REMOVED. EQUIPMENT AND DEVICES SHOWN IN SOLID LINES SHALL REMAIN UNLESS SPECIFICALLY OTHERWISE INDICATED.
3. SEE DETAILS ON E–600 SERIES DRAWINGS FOR ADDITIONAL INFORMATION FOR CONDUIT AND OUTLET BOX REQUIREMENTS.
4. SEE DETAIL ON E–600 SERIES DRAWINGS FOR ELECTRICAL ROUGH–IN AT DOOR.
5. PROVIDE SINGLE–GANG OUTLET BOX. PROVIDE 3/4 INCH CONDUIT FROM OUTLET BOX TO ACCESSIBLE CEILING FOR WIRING. PROVIDE A 3/4 INCH CONDUIT FROM SPACE AT TOP OF DOOR FRAME TO A JUNCTION ABOVE ACCESSIBLE CEILING FOR ELECTRIC DOOR STRIKE. — AD–2

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK
UNION NORTH UNITED SCHOOL CORPORATION
LAKEVILLE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20–126
DATE 08/24/20
COORDINATED BY PCB
DRAWN BY PCB/JVC
CHECKED BY DJW

DALE J. WACKER REGISTERED NO. 19600171 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD–2	09/15/20	ADDENDUM NO. 2

DRAWING
ELECTRICAL SYMBOLS, DETAILS AND NOTES

PROJECT
LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS & RELATED WORK

© GIBRALTAR DESIGN

SHEET
E-001

Tuesday, 9/15/2020 – 9:19 AM – LAST SAVED BY:JCHAMBERS
Y:\20–126 UNION–NORTH LAVILLE JR–SR HS – 2020 IMPROVEMENTS\20–126 DRAWINGS\09 ELEC\E–001.DWG

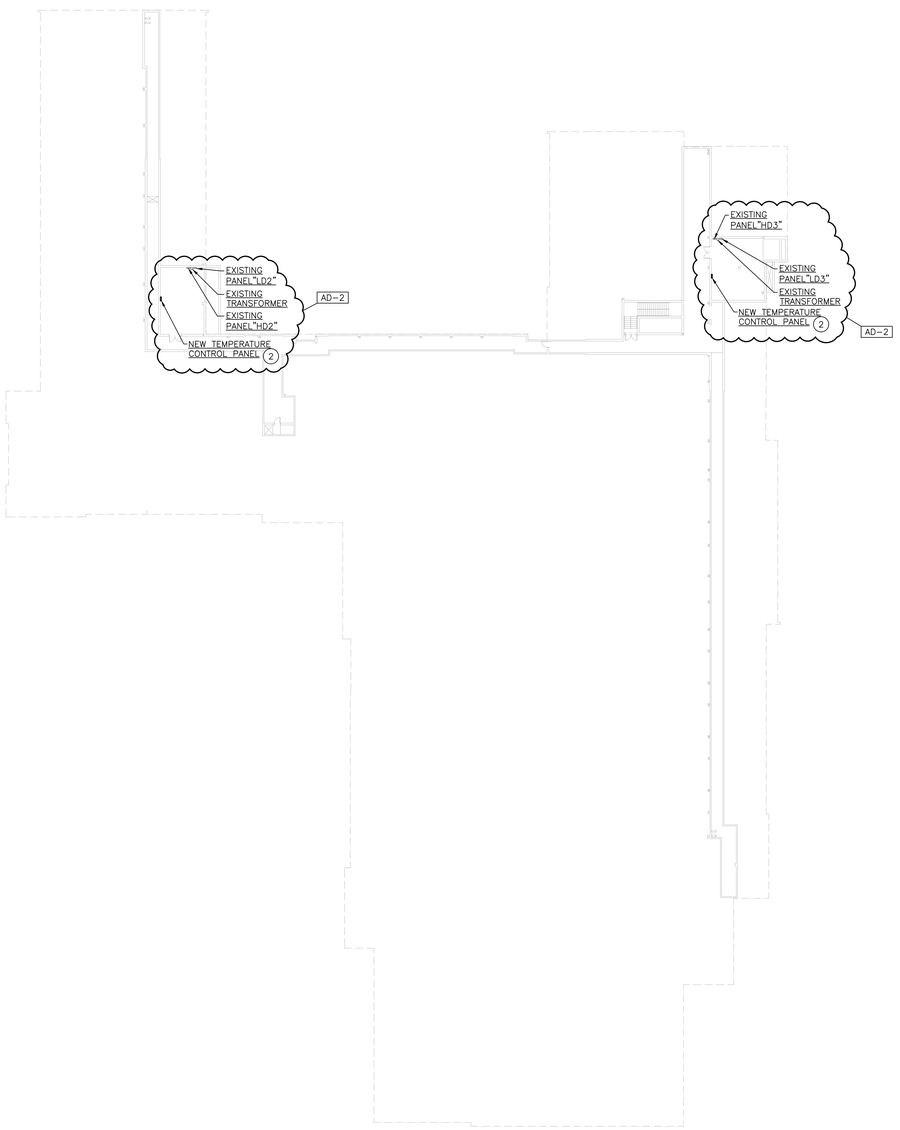
ELECTRICAL PLAN NOTES:

(ALL PLAN NOTES MAY NOT APPLY TO THIS SHEET.)

1. DISCONNECT EXISTING CABINET HEATER BEING REPLACED AND PREPARE WIRING FOR CONNECTION TO NEW CABINET HEATER. CONNECT NEW CABINET HEATER TO EXISTING CIRCUIT.
2. (AD–2) DISCONNECT EXISTING ELECTRICAL SERVICE TO EXISTING TEMPERATURE CONTROL PANEL IN THIS ROOM AND EXTEND EXISTING CIRCUIT TO NEW TEMPERATURE CONTROL PANEL.

GENERAL NOTES:

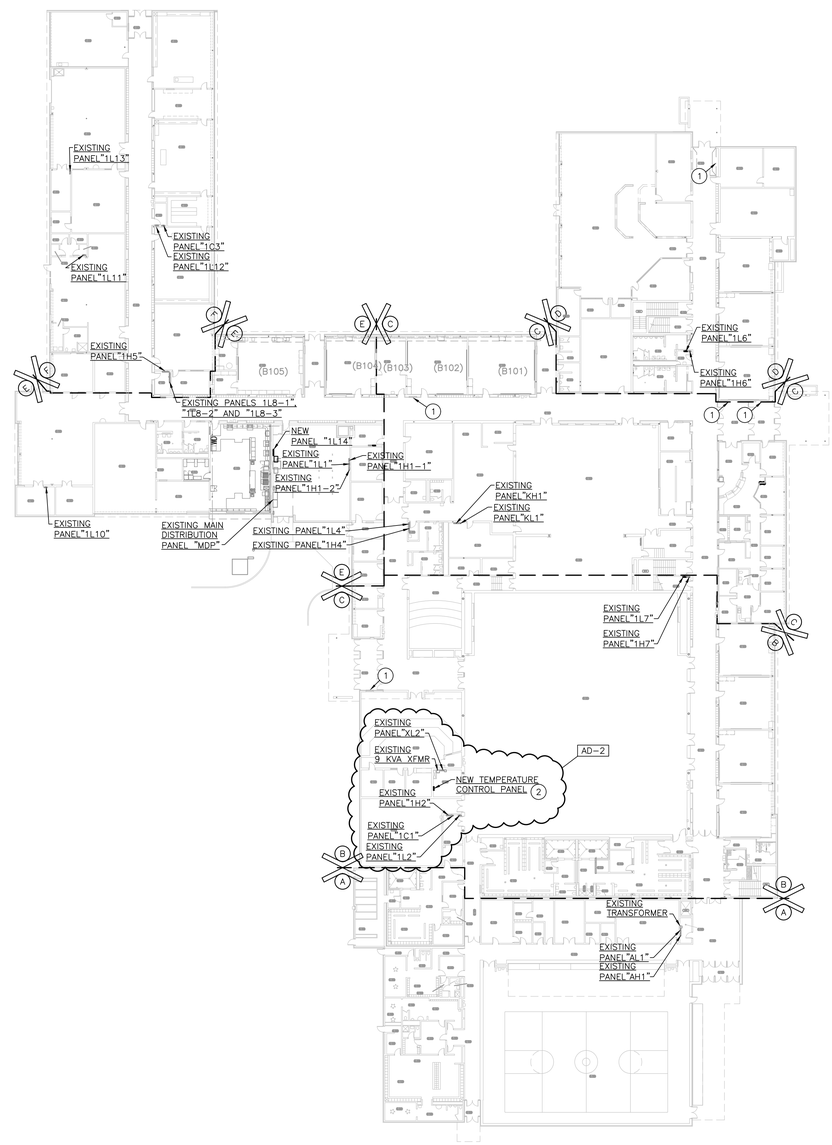
1. FOR ADDITIONAL GENERAL ELECTRICAL NOTES, SEE GENERAL ELECTRICAL PROJECT NOTES ON SHEET E–001.
2. SEE E–600 SHEETS FOR ELECTRICAL DETAILS AND SCHEDULES.
3. SEE E–700 SHEETS FOR ELECTRICAL DISTRIBUTION DIAGRAMS.



ELECTRICAL OVERALL TUNNEL PLAN

SCALE: 1/32" = 1'–0"

NORTH



ELECTRICAL OVERALL FIRST FLOOR PLAN

SCALE: 1/32" = 1'–0"

NORTH

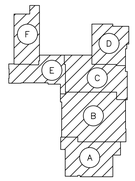
GIBRALTAR DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK

UNION NORTH UNITED SCHOOL CORPORATION
LAKEVILLE, INDIANA



KEYPLAN

SCALE: NONE

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20–126

DATE 08/24/20

COORDINATED BY PCB

DRAWN BY PCB/JVC

CHECKED BY DJW

DALE J. WACKER REGISTERED NO. 19600171 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD–2	09/15/20	ADDENDUM NO. 2

DRAWING

ELECTRICAL OVERALL TUNNEL AND FIRST FLOOR PLANS

PROJECT

LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS & RELATED WORK

© GIBRALTAR DESIGN

SHEET

E-002

Tuesday, 9/15/2020 – 9:23 AM – LAST SAVED BY:JCHAMBERS
Y:\20-126 UNION-NORTH LAVILLE JR-SR HS – 2020 IMPROVEMENTS\20-126 DRAWINGS\09 ELEC\E-002.DWG

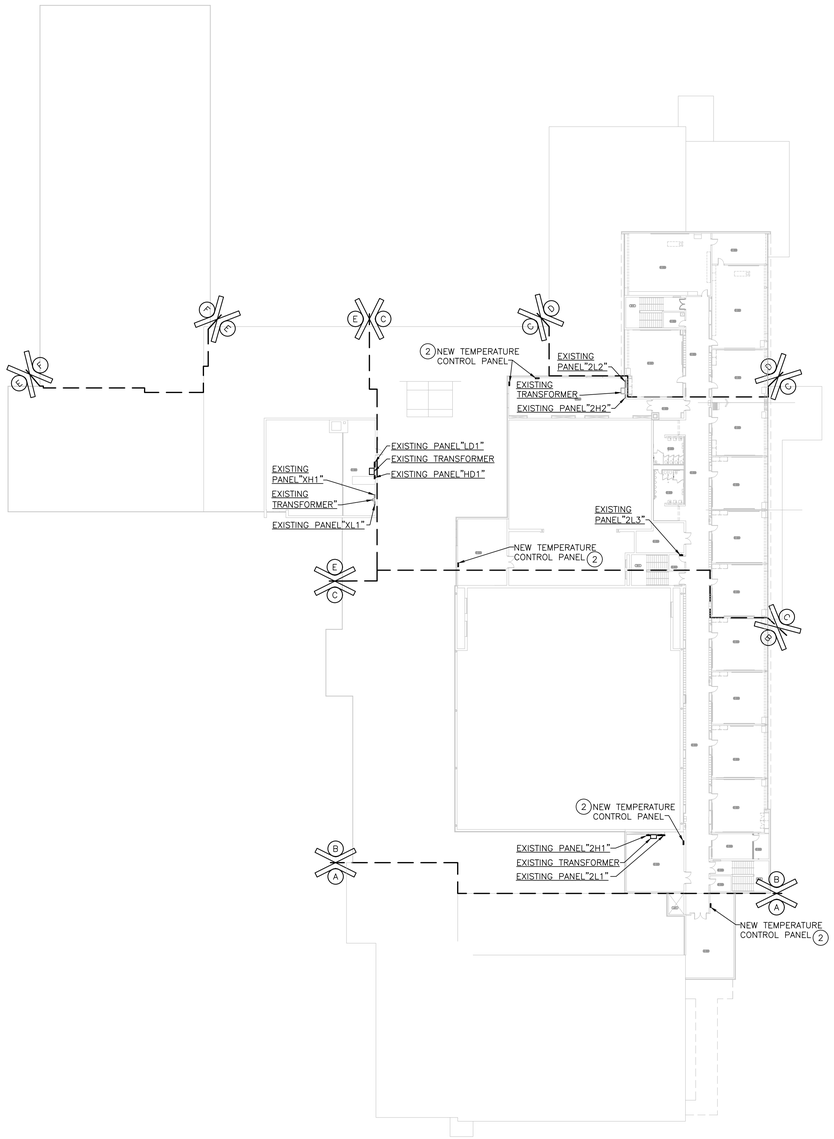
ELECTRICAL PLAN NOTES:

(ALL PLAN NOTES MAY NOT APPLY TO THIS SHEET.)

1. DISCONNECT EXISTING CABINET HEATER BEING REPLACED AND PREPARE WIRING FOR CONNECTION TO NEW CABINET HEATER. CONNECT NEW CABINET HEATER TO EXISTING CIRCUIT.
2. DISCONNECT EXISTING ELECTRICAL SERVICE TO EXISTING TEMPERATURE CONTROL PANEL IN THIS ROOM AND EXTEND EXISTING CIRCUIT TO NEW TEMPERATURE CONTROL PANEL.

GENERAL NOTES:

1. FOR ADDITIONAL GENERAL ELECTRICAL NOTES, SEE GENERAL ELECTRICAL PROJECT NOTES ON SHEET E-001.
2. SEE E-600 SHEETS FOR ELECTRICAL DETAILS AND SCHEDULES.
3. SEE E-700 SHEETS FOR ELECTRICAL DISTRIBUTION DIAGRAMS.



ELECTRICAL OVERALL SECOND FLOOR PLAN

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

NORTH

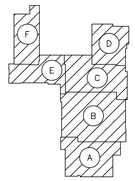
GIBRALTAR DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK

UNION NORTH UNITED SCHOOL CORPORATION
LAKEVILLE, INDIANA



KEYPLAN

SCALE: NONE

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-126

DATE 08/24/20

COORDINATED BY PCB

DRAWN BY PCB/JVC

CHECKED BY DJW

DALE J. WAGNER REGISTERED NO. 19600171 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:

THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR THE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/15/20	ADDENDUM NO. 2
		ENTIRE SHEET

DRAWING

ELECTRICAL OVERALL SECOND FLOOR PLAN

PROJECT

LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS & RELATED WORK

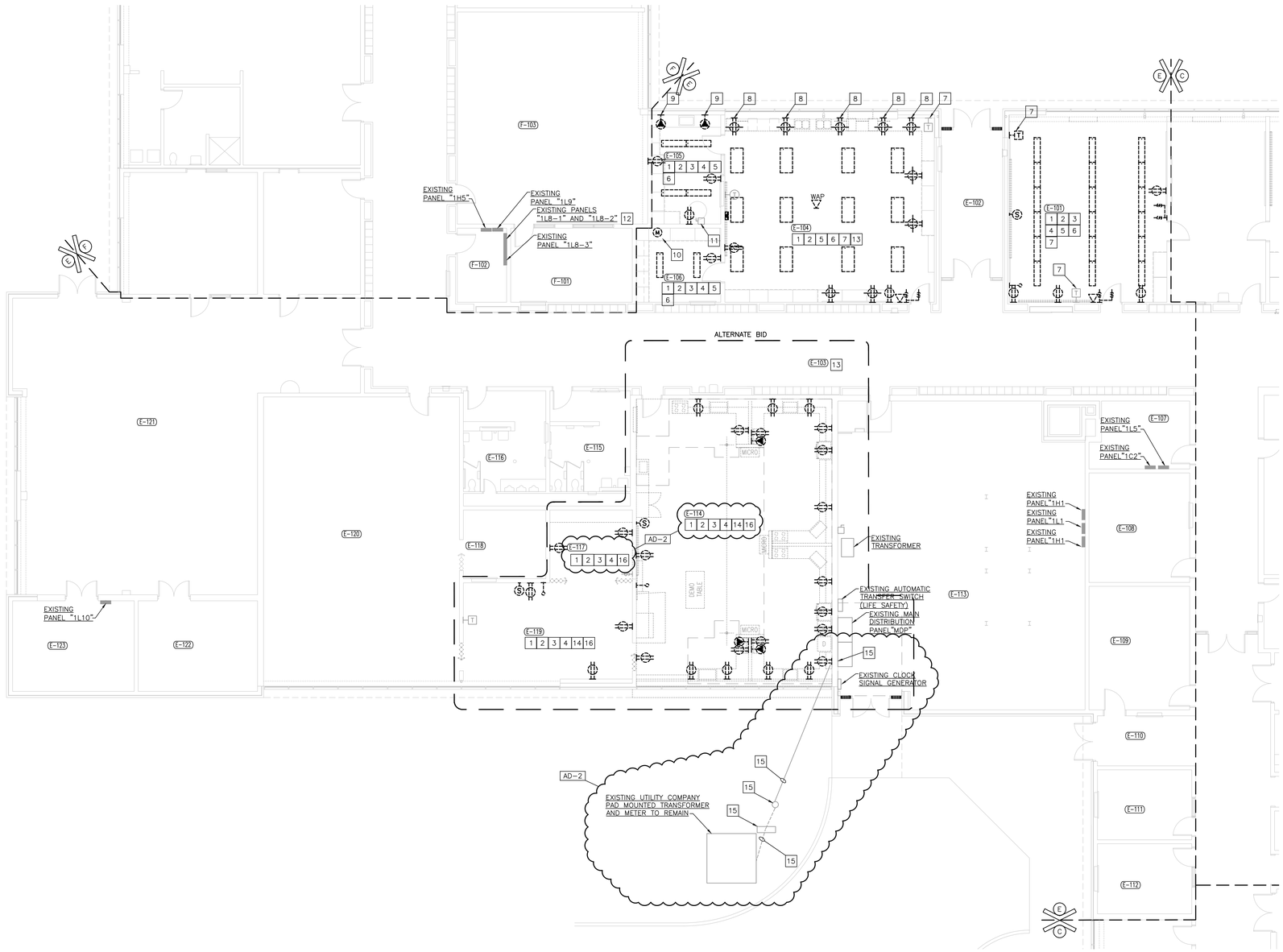
© GIBRALTAR DESIGN

SHEET

E-003

Tuesday, 9/15/2020 - 10:57 AM - LAST SAVED BY:JCHAMBERS
Y:\20-126 UNION-NORTH LAVILLE JR-SR HS - 2020 IMPROVEMENTS\20-126 DRAWINGS\09 ELEC\E-003.DWG

ROOM LEGEND	
ROOM NO.	ROOM NAME
E-101	GENERAL BUSINESS
E-102	ENTRY
E-103	CORRIDOR
E-104	ARTS & CRAFTS
E-105	WORK ROOM
E-106	STORAGE
E-107	INCINERATOR
E-108	TEACHERS WORK RM
E-109	RECEIVING
E-110	ENTRY
E-111	PRACTICE
E-112	PRACTICE
E-113	BOILER ROOM
E-114	FOODS
E-115	GIRLS
E-116	BOYS
E-117	STORAGE
E-118	FITTING/GROOMING
E-119	SEWING
E-120	CLASSROOM
E-121	CLASSROOM
E-122	PROJECT STORAGE
E-123	MATERIAL STORAGE



UNIT "E" ELECTRICAL FIRST FLOOR DEMOLITION PLAN

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

NORTH

GENERAL ELECTRICAL DEMOLITION NOTES:

1. FOR ADDITIONAL GENERAL ELECTRICAL DEMOLITION NOTES SEE GENERAL ELECTRICAL PROJECT NOTES ON SHEET E-001.
2. DISCONNECT EXISTING EQUIPMENT WITH ELECTRICAL CONNECTIONS BEING DEMOLISHED AS SHOWN ON THE ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS. THESE ITEMS INCLUDE AIR HANDLING UNITS, CABINET HEATERS, FAN POWERED BOXES, EXHAUST FANS, PUMPS, WATER HEATERS, DISPLAY CASES, ETC.
3. REMOVE AND RE-INSTALL ALL EXISTING MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DEVICES TO ACCOMMODATE NEW CONSTRUCTION. RE-INSTALL ITEMS NOT SCHEDULED FOR REPLACEMENT FOR PROPER FUNCTION OF ALL EXISTING ASSEMBLIES TO REMAIN.
4. LOOSE FURNITURE INCLUDING BUT NOT LIMITED TO FIXTURES, DESK, CHAIRS, CABINETS AND BOOKS SHALL BE MOVED AND STORED BY THE OWNER. ANY REMAINING ITEMS FOUND IN CLASSROOM IN WAY OF CONTRACTOR SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER IMMEDIATELY PRIOR TO START OF CONSTRUCTION FOR OWNER COORDINATION.

DEMOLITION PLAN NOTES:

(THESE NOTES APPLY TO THIS SHEET ONLY)

1. REMOVE EXISTING LIGHTING FIXTURES AND SWITCHES IN THIS ROOM. REMOVE CONDUIT AND WIRING BACK TO THE FIRST JUNCTION BOX AND PREPARE WIRING FOR CONNECTIONS TO NEW LIGHTING FIXTURES AND CONTROLS. EXISTING CONDUIT(S) MAY BE REUSED WHERE APPLICABLE, CONDUIT IS IN GOOD CONDITION AND ALLOWED BY CODE.
2. REMOVE THE EXISTING CEILING/WALL MOUNTED SPEAKER IN THIS ROOM AND ALL ASSOCIATED CONDUIT AND WIRE BACK TO THE SOURCE UNLESS OTHERWISE NOTED. UNDER ALTERNATE BID, REMOVE THE EXISTING PUSH TO CALL SWITCH IN THIS ROOM AND PROVIDE A BLANK COVER PLATE. REMOVE ASSOCIATED CONDUIT AND WIRE BACK TO THE SOURCE UNLESS OTHERWISE NOTED. EXISTING CONDUIT MAY BE REUSED WHERE PRACTICAL AND ALLOWED BY CODE.
3. SUPPORT EXISTING CEILING MOUNTED DEVICES IN THIS ROOM TO ACCOMMODATE THE REMOVAL OF THE EXISTING CEILING. REINSTALL INTO THE NEW CEILING.
4. SUPPORT ALL UNSUPPORTED CONDUIT AND WIRE ABOVE THE CEILING IN THIS ROOM TO ACCOMMODATE REMOVAL OF THE EXISTING CEILING.
5. REPLACE EXISTING SURFACE MOUNTED RACEWAYS AND DEVICES IN THIS ROOM. RECONNECT RECEPTACLES TO THE EXISTING CIRCUITS AND THE VOICE/DATA WIRING DEVICES TO THE EXISTING IDF EQUIPMENT, UNLESS OTHERWISE NOTED
6. REPLACE EXISTING WIRING DEVICES IN THIS ROOM WITH NEW WIRING DEVICES AND RECONNECT TO THE EXISTING CIRCUITS AND IDF EQUIPMENT, UNLESS OTHERWISE NOTED.
7. EXISTING VOICE/DATA AND VIDEO DEVICES AND EQUIPMENT IN THIS ROOM SHALL REMAIN, UNLESS OTHERWISE NOTED.
8. REPLACE EXISTING RECEPTACLE WITH NEW GFI TYPE RECEPTACLE AND RECONNECT TO THE EXISTING CIRCUIT.
9. REPLACE EXISTING RECEPTACLE WITH NEW RECEPTACLE AND RECONNECT TO THE EXISTING CIRCUIT. NEW RECEPTACLE TO MATCH EXISTING RECEPTACLE.
10. EXISTING ROOF EXHAUST FAN TO REMAIN.
11. EXISTING DISCONNECT FOR KILN SHALL REMAIN.
12. MODIFY EXISTING PANELS "1L8-1" AND "1L8-2" AS SHOWN ON THE PANEL SCHEDULES SHOWN ON E-602. (ALTERNATE BID)

AD-2 13. REMOVE AND REINSTALL EXISTING CEILING AS NECESSARY TO COMPLETE THE ELECTRICAL WORK IN THIS ROOM.

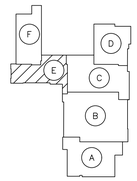
14. UNDER ALTERNATE BID, REMOVE EXISTING WIRING DEVICES, ELECTRICAL EQUIPMENT, FIRE ALARM DEVICES, ETC IN THIS ROOM AND REMOVE ALL ASSOCIATED CONDUIT AND WIRE BACK TO THE SOURCE IN SUCH A MANNER AS TO KEEP ALL OTHER DEVICES ON THESE CIRCUITS IN SERVICE, UNLESS OTHERWISE NOTED.
15. UNDER ALTERNATE BID, REMOVE EXISTING UNDERGROUND SECONDARY CONDUIT AND WIRE FROM UTILITY COMPANY TRANSFORMER TO EXISTING EXTERIOR MAIN DISCONNECT SWITCH. REMOVE EXISTING EXTERIOR WEATHERPROOF DISCONNECT, EXISTING RISER POLE, EXISTING OVERHEAD FEEDER, EXISTING WEATHERHEAD AND STRUCTURE, AND EXISTING CONDUIT AND WIRE DOWN TO THE MAIN DISTRIBUTION PANEL "MDP".
16. ALL WORK IN THIS ROOM SHALL BE BID AS AN ALTERNATED BID.

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK

UNION NORTH UNITED SCHOOL CORPORATION
LAKEVILLE, INDIANA



KEYPLAN
SCALE: NONE

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-126
DATE 08/24/20
COORDINATED BY PCB
DRAWN BY PCB/JVC
CHECKED BY DJW

DALE J. WAGNER REGISTERED NO. 19600171 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THE INFORMATION CONTAINED HEREIN MAY BE REPRODUCED OR USED FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/15/20	ADDENDUM NO. 2

DRAWING
UNIT "E" ELECTRICAL FIRST FLOOR DEMOLITION PLAN

PROJECT
LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS & RELATED WORK

© GIBRALTAR DESIGN

SHEET
ED104

Tuesday, 9/15/2020 - 11:03 AM - LAST SAVED BY:JCHAMBERS
Y:\20-126 UNION-NORTH LAVILLE JR-SR HS - 2020 IMPROVEMENTS\20-126 DRAWINGS\09 ELEC\ED104.DWG

AD–2

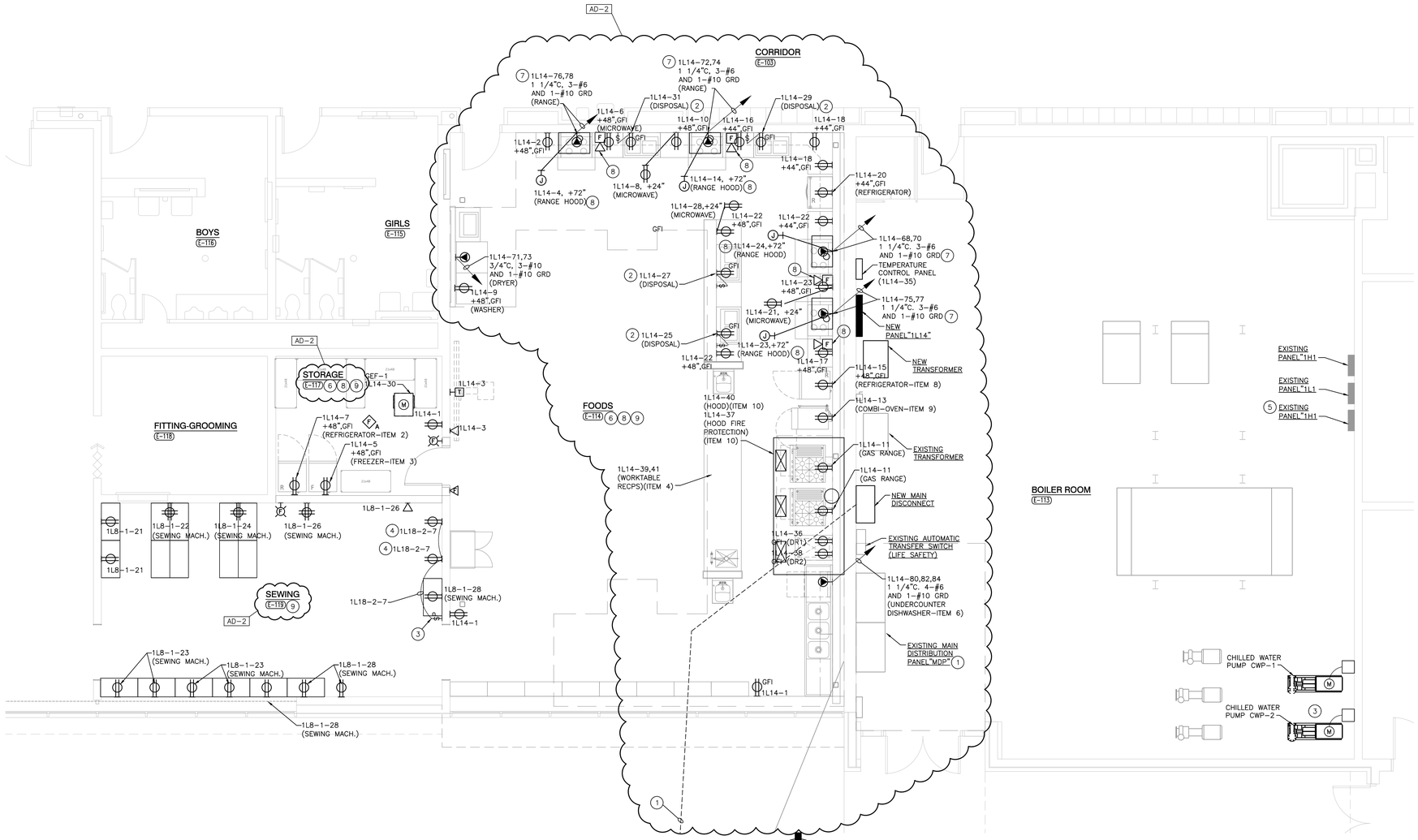
ELECTRICAL PLAN NOTES:

(THESE NOTES APPLY TO THIS SHEET ONLY)

1. PROVIDE A NEW 1200 AMP MAIN INCOMING ELECTRICAL SERVICE FUSIBLE DISCONNECT AND PROVIDE ALL LABOR AND MATERIAL TO MODIFY EXISTING MAIN PANELBOARD AS NECESSARY TO ACCEPT THE NEW INCOMING ELECTRICAL SERVICE FROM THE NEW MAIN DISCONNECT. PROVIDE ALL LABOR AND MATERIAL TO PROVIDE A NEW INCOMING UNDERGROUND SECONDARY ELECTRICAL SERVICE FROM THE EXISTING UTILITY COMPANY PAD MOUNTED TRANSFORMER TO THE NEW MAIN INCOMING ELECTRICAL SERVICE FUSIBLE DISCONNECT. SEE POWER DISTRIBUTION DIAGRAM ON SHEET E–702. CONTRACTOR SHALL FIELD VERIFY AND COORDINATE WITH ALL EXISTING UNDERGROUND UTILITIES IN THIS AREA AND PROTECT THEM WHILE COMPLETING THE NEW WORK. CONTRACTOR SHALL COORDINATE WITH THE LOCAL UTILITY COMPANY (AEP) TO DETERMINE WHAT THE LOCAL UTILITY COMPANY WILL PROVIDE AND WHAT THE DIVISION 26 CONTRACTOR WILL PROVIDE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES AND COSTS NOT PAID FOR BY THE LOCAL UTILITY COMPANY TO PROVIDE THE NEW INCOMING UNDERGROUND SECONDARY ELECTRICAL SERVICE. (ALTERNATE BID)
2. PROVIDE GFI RECEPTACLE BELOW THE SINK FOR A NEW GARBAGE DISPOSAL AND PROVIDE A NEW SWITCH ABOVE THE COUNTER TO CONTROL THE RECEPTACLE AND GARBAGE DISPOSAL. CONNECT THEM TO CIRCUIT INDICATED. (ALTERNATE BID)
3. PROVIDE SWITCH WITH PILOT LIGHT (PILOT LIGHT ILLUMINATED WHEN ON) WITH 1/8" ENGRAVED LETTERING ON COVER PLATE (IRONING RECEPTACLE). (ALTERNATE BID)
4. PROVIDE 1/8" ENGRAVED LETTERING ON COVER PLATE (IRONING RECEPTACLE) AND CONNECT TO SWITCH WITH PILOT LIGHT WITH CIRCUIT INDICATED. (ALTERNATE BID)
5. UNDER ALTERNATE BID, MODIFY EXISTING PANEL "1H1" AS INDICATED ON PANEL SCHEDULE ON SHEET E–601. (ALTERNATE BID)
6. SEE FOOD SERVICE ELECTRICAL CONNECTION SCHEDULE ON SHEET E–501, FOOD SERVICE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL WORK FOR THE FOOD SERVICE EQUIPMENT. (ALTERNATE BID)
7. ELECTRIC SHUT OFF ASSEMBLY BOX FURNISHED BY FOOD SERVICE EQUIPMENT SUPPLIER AND INSTALLED BY DIVISION 26. RANGE CORD AND PLUG PLUG INTO THE ELECTRIC SHUT OFF ASSEMBLY BOX. OTHER DEVICES ARE CONNECTED TO THIS BOX. COORDINATE WITH FOOD SERVICE CONSULTANT AND FOOD SERVICE SUPPLIER TO VERIFY EXACT ELECTRICAL REQUIREMENTS AND CONNECTIONS AND PROVIDE ALL LABOR AND MATERIAL TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM. (ALTERNATE BID)
8. COORDINATE EXACT LOCATION AND REQUIREMENTS OF RANGE HOOD, RANGE HOOD IN–LINE FAN, MANUAL FIRE ALARM SYSTEM PULL STATION AND FIRE ALARM SYSTEM AUDIO/VISUAL UNIT WITH FOOD SERVICE CONSULTANT, DRAWINGS AND SPECIFICATIONS AND PROVIDE ALL LABOR AND MATERIAL TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM. RANGE HOOD, RANGE HOOD IN–LINE FAN, MANUAL FIRE ALARM SYSTEM PULL STATION AND FIRE ALARM SYSTEM AUDIO/VISUAL PROVIDED BY DIVISION 11. (ALTERNATE BID) SEE DRAWING E–503. FIRE ALARM DEVICES SHALL ALSO BE CONNECTED TO EXISTING SCHOOL FIRE ALARM SYSTEM.
9. ALL WORK IN THIS ROOM SHALL BE BID AS AN ALTERNATE BID.

GENERAL NOTES:

1. FOR ADDITIONAL GENERAL ELECTRICAL NOTES, SEE GENERAL ELECTRICAL PROJECT NOTES ON SHEET E–001.
2. SEE E–600 SHEETS FOR ELECTRICAL DETAILS AND SCHEDULES.
3. SEE E–700 SHEETS FOR ELECTRICAL DISTRIBUTION DIAGRAMS.
4. REMOVE AND RE–INSTALL ALL EXISTING MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DEVICES TO ACCOMMODATE NEW CONSTRUCTION. RE–INSTALL ITEMS NOT SCHEDULED FOR REPLACEMENT FOR PROPER FUNCTION OF ALL EXISTING ASSEMBLIES TO REMAIN.
5. LOOSE FURNITURE INCLUDING BUT NOT LIMITED TO FIXTURES, DESK, CHAIRS, CABINETS AND BOOKS SHALL BE MOVED AND STORED BY THE OWNER. ANY REMAINING ITEMS FOUND IN CLASSROOM IN WAY OF CONTRACTOR SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER IMMEDIATELY PRIOR TO START OF CONSTRUCTION FOR OWNER COORDINATION.



ENLARGED ELCTRICAL PLAN OF FACS AREA

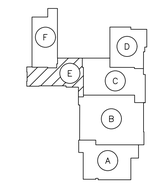
SCALE: 1/4" = 1'–0"

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK

UNION NORTH UNITED SCHOOL CORPORATION
LAKEVILLE, INDIANA



KEYPLAN
SCALE: NONE

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20–126
DATE 08/24/20
COORDINATED BY PCB
DRAWN BY PCB
CHECKED BY DJW

DALE J. WAGNER REGISTERED NO. 19600171 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD–2	09/15/20	ADDENDUM NO. 2

DRAWING
ENLARGED ELECTRICAL PLAN OF FACS AREA

PROJECT
LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS & RELATED WORK

© GIBRALTAR DESIGN

SHEET
E-401

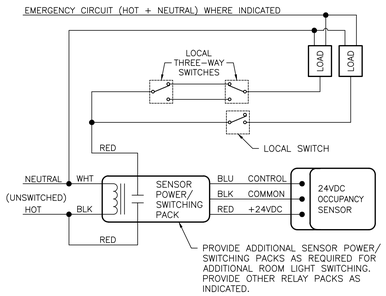
Tuesday, 9/15/2020 – 12:17 PM – LAST SAVED BY:JCHAMBERS
Y:\20–126 UNION–NORTH LAVILLE JR–SR HS – 2020 IMPROVEMENTS\20–126 DRAWINGS\09 ELEC\E–401.DWG

LAILLE JR-SR HIGH SCHOOL FOOD SERVICE EQUIPMENT ELECTRICAL CONNECTION SCHEDULE

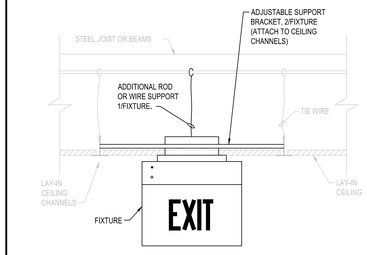
ITEM NO.	DESCRIPTION	NO. REQ'D	LOAD AMPS	LOAD KW	LOAD HP	VOLTS	PHASE	PANEL	CIRCUIT NUMBER	BREAKER SIZE	CONDUIT SIZE	WIRE SIZE	GROUND WIRE SIZE	CONNECTION RECEPT.	CONNECTION DIRECT	NOTES
2	SINGLE DOOR REACH-IN REFRIGERATOR	1	2.2			120	1	1L14	7	1P-20A	3/4"	2-#12	#12	5-20R		1
3	SINGLE DOOR REACH-IN FREEZER	1	3.7			120	1	1L14	5	1P-20A	3/4"	2-#12	#12	5-20R		1
4	WORK TABLE	1				120	1	1L14	39	1P-20A	3/4"	2-#12	#12		X	2
						120	1	1L14	41	1P-20A	3/4"	2-#12	#12		X	2
6	UNDERCOUNTER DISHWASHER	1	32.0			208	3	1L14	80,82,84	3P-50A	1 1/4"	4-#6	#10	15-50R		1
8	SINGLE DOOR REACH-IN REFRIGERATOR	1	2.2			120	1	1L14	15	1P-20A	3/4"	2-#12	#12	5-20R		
9	COMBI-OVEN	1	16.0			208	3	1L14	79,81,83	3P-20A	3/4"	4-#12	#12		X	2
10	EXHAUST HOOD	1	16.0			120	1	1L14	40	1P-20A	3/4"	3-#12	#12	5-20R		1
	EXHAUST HOOD FIRE PROTECTION	1	16.0			120	1	1L14	37	1P-20A	3/4"	3-#12	#12	5-20R		1
11	GAS RANGE	2	5.9			120	1	1L14	11	1P-20A	3/4"	3-#12	#12	5-20R		1
			5.9			120	1	1L14	11	1P-20A	3/4"	3-#12	#12	5-20R		1
17	DOMESTIC HOOD	4	16.0			120	1	1L14	4	1P-20A	3/4"	3-#12	#12		X	2
			16.0			120	1	1L14	14	1P-20A	3/4"	3-#12	#12		X	2
			16.0			120	1	1L14	23	1P-20A	3/4"	3-#12	#12		X	2
			16.0			120	1	1L14	24	1P-20A	3/4"	3-#12	#12		X	2
KEF-1	EXHAUST HOOD	1			1	120	1	1L14	32	1P-30A	3/4"	3-#10	#10		X	2
MUA-1	MAKE UP AIR UNIT	1	21.3		1	120	1	1L14	34	1P-35A	3/4"	3-#8	#8		X	2
DR1	RECEPTACLE	1	16.0			120	1	1L14	36	1P-20A	3/4"	3-#12	#12	5-20R		1
DR2	RECEPTACLE	1	8.0		1/3	120	1	1L14	38	1P-20A	3/4"	3-#12	#12	5-20R		1

NOTES:
1. SUPPLY MATCHING PLUG AND SO CORD SET. INSTALL COMPLETE.
2. PROVIDE THE APPROPRIATE HARD WIRED CONNECTION

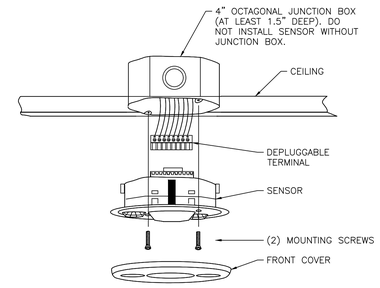
SEE FOOD SERVICE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR THE ELECTRICAL CONNECTIONS.



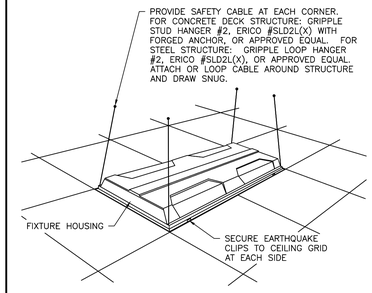
TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM
NOT TO SCALE



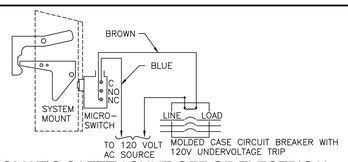
LAY-IN CEILING EXIT SIGN MOUNTING DETAIL
SCALE: NONE



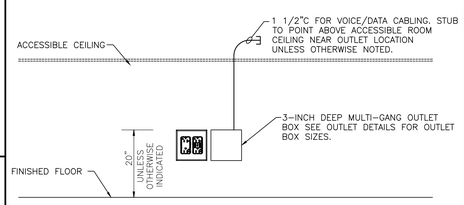
TYPICAL OCCUPANCY SENSOR MOUNTING DETAIL
NOT TO SCALE



RECESSED TROFFER FIXTURE MOUNTING DETAIL
NOT TO SCALE



AUTOMATIC SAFETY SHUT-OFF OF ELECTRICAL POWER UNDER KITCHEN RANGE HOOD
NOT TO SCALE



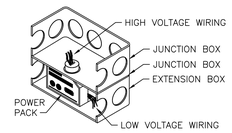
TYPICAL ELEVATION FOR WALL MOUNTED DATA OUTLET
NOT TO SCALE

SYMBOLS=

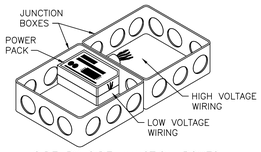
NOTE: WHERE ROOM CEILING IS OTHER THAN AN ACCESSIBLE TYPE CEILING (LAY-IN GRID, ETC.), VERIFY EXACT LOCATIONS OF THE CONDUITS AND JUNCTION BOXES ABOVE THE CEILING.

AD-2

NOTES:
DO NOT INSTALL POWER PACKS CLOSER THAN 6-12 INCHES FROM SENSOR.
DO NOT INSTALL POWER PACKS WITHOUT JUNCTION BOXES.



STACKED JUNCTION BOXES



SIDE BY SIDE JUNCTION BOXES

TYPICAL OCCUPANCY SENSOR POWER/SWITCHING AND RELAY PACK MOUNTING DETAIL
NOT TO SCALE

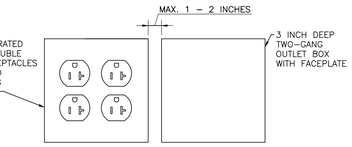
LAMACOID NAMEPLATE

1/2" HIGH LETTERS → PANEL LXW

1/4" HIGH LETTERS →
120/208V/3PH/4W
FEED: 150 AMPS
FED FROM: MDP-3

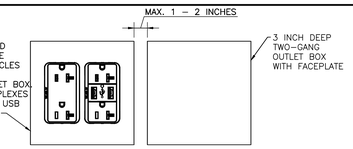
NOTE: LABELS SHALL BE:
NORMAL POWER: BLACK WITH WHITE LETTERS
EMERGENCY POWER: RED WITH WHITE LETTERS

DISTRIBUTION PANEL, PANELBOARD, TRANSFORMER, AND DISCONNECT SWITCH LABELING DETAIL
SCALE: NONE



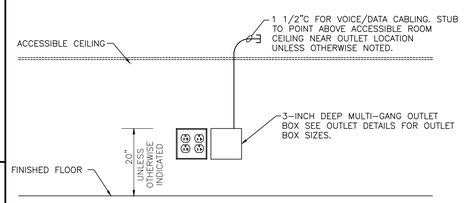
SHORT THROW PROJECTOR AND TELEVISION OUTLET DETAIL
NOT TO SCALE

SYMBOL: T X



VOICE/DATA OUTLET DETAIL
NOT TO SCALE

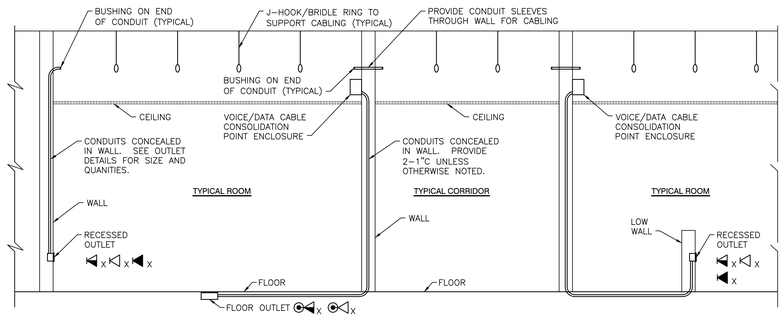
SYMBOL: X/X X



TYPICAL ELEVATION FOR WALL MOUNTED SHORT THROW PROEJECTOR OUTLETS
NOT TO SCALE

SYMBOL: T

NOTE: WHERE ROOM CEILING IS OTHER THAN AN ACCESSIBLE TYPE CEILING (LAY-IN GRID, ETC.), VERIFY EXACT LOCATIONS OF THE CONDUITS AND JUNCTION BOXES ABOVE THE CEILING.



TYPICAL VOICE AND DATA OUTLET AND RACEWAY DETAIL
NOT TO SCALE

NOTE: VERIFY OUTLET MOUNTING HEIGHTS, LOCATIONS, AND WALL AND CEILING CONDITIONS.

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK

UNION NORTH UNITED SCHOOL CORPORATION
LAKEVILLE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-126
DATE 08/24/20
COORDINATED BY PCB
DRAWN BY PCB/JVC
CHECKED BY DJW

DALE J. WAGNER REGISTERED NO. 19600171 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/15/20	ADDENDUM NO. 2

DRAWING
ELECTRICAL DETAILS

PROJECT
LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS & RELATED WORK

© GIBRALTAR DESIGN

SHEET
E-501

Tuesday, 9/15/2020 - 11:08 AM - LAST SAVED BY:JCHAMBERS
Y:\20-126 UNION-NORTH LAVILLE JR-SR HS - 2020 IMPROVEMENTS\20-126 DRAWINGS\09 ELEC\E-501.DWG

LAVILLE JR-SR HIGH SCHOOL PANELBOARD SCHEDULE

MARK & TYPE
"1H1" - SECTION 1
TYPE: EXISTING CUTLER HAMMER
277/480V, 3 PH, 4W
400 AMP MAIN LUGS
NEMA 1
SURFACE MOUNTED

REMARKS
EXISTING CUTLER HAMMER PANELBOARD
BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
CIRCUIT BREAKERS SHALL HAVE MINIMUM 35,000 AMP INTERRUPTING CAPACITY.
TWO SECTION PANEL - BOTH SECTIONS SAME HEIGHT - SECTION 1 OF 2.

DESCRIPTION	CIR	POLE	TRIP	LTS	REC	EQUIP	A	B	C	HEAT	A/C	FUTR	POLE	TRIP	CIR	DESCRIPTION
BOILER BR-2	1	3	40													
													3	90	2	CWP-2
	3															
															4	
	5															
															6	
BOILER BR-1	7	3	30													
													3	90	8	CWP-1
	9															
															10	
	11															
															12	
WELL PUMP VFD	13	3	50													
													3	40	14	HWP-4
	15															
															16	
	17															
															18	
SPARE	19	3	20													
													3	90	20	AIR COMPRESSOR
	21															
															22	
	23															
															24	
HWP-5	25	3	90													
													3	40	26	SPARE
	27															
															28	
	29															
															30	
HWP-3	31	3	40													
													3	70	32	SPARE
	33															
															34	
	35															
															36	
HWP-8	37	3	50													
													3	50	38	OUTSIDE LIGHTS
	39															
															40	
	41															
															42	
TOTAL CONNECTED LOAD (kVA)																
TOTAL DEMAND LOAD (kVA)																

LAVILLE JR-SR HIGH SCHOOL PANELBOARD SCHEDULE

MARK & TYPE
"1H1" - SECTION 2
TYPE: EXISTING CUTLER HAMMER
277/480V, 3 PH, 4W
400 AMP MAIN LUGS
NEMA 1
SURFACE MOUNTED

REMARKS
EXISTING CUTLER HAMMER PANELBOARD
BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
CIRCUIT BREAKERS SHALL HAVE MINIMUM 35,000 AMP INTERRUPTING CAPACITY.
TWO SECTION PANEL - BOTH SECTIONS SAME HEIGHT - SECTION 2 OF 2.
PROVIDE NEW 3P-40 AMP CIRCUIT BREAKER (CIRCUIT 26,28,30) IN EXISTING 3P-SPACE (CIRCUIT 26,28,30).
NEW CIRCUIT BREAKER TO MATCH EXISTING IN STYLE AND INTERRUPTING CAPACITY. (ALTERNATE BID)

DESCRIPTION	CIR	POLE	TRIP	LTS	REC	EQUIP	A	B	C	HEAT	A/C	FUTR	POLE	TRIP	CIR	DESCRIPTION
SPARE	1	3	30													
													3	30	2	SPARE
	3															
															4	
	5															
															6	
SPARE	7	3	40													
													3	40	8	XFMR FOR OUTSIDE MEDIA TRUCK
	9															
															10	
	11															
															12	
SPARE	13	3	40													
													3	20	14	SPACE
	15															
															16	
	17															
															18	
???	19	3	20													
													3	40	20	???
	21															
															22	
	23															
															24	
SPACE	25	3														
													3	**40**	26	**RTU-H (33 FLA)**
	27															
															28	
	29															
															30	
SPACE	31	3														
													3		32	SPACE
	33															
															34	
	35															
															36	
SPACE	37	3														
													3		38	SPACE
	39															
															40	
	41															
															42	

AD-2

LAVILLE JR-SR HIGH SCHOOL LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURERS	VOLTAGE	LIGHT SOURCE	LUMENS	DEGREE K.	WATTAGE	DIMMING	MOUNTING	DESCRIPTION
L-2	**METALUX 24CZ-LD5-60S-UNV-L840-CD1-EQ-CLIP-PAF COLUMBIA LCAT24-40VL-G-ED1-U-EQCLIP-PAF LITHONIA 2BLT4-60L-ADP-EZ1-LP840-EQCLIP-PAF CREE**	**MVOLT**	**LED**	**6000 (6221/7321 /6112**	**4000**	**52.2/59/ 47.59**	**0-10V**	**GRID**	**2X4 RECESSED GRID MOUNTED DIRECT/INDIRECT LED TYPE LIGHTING FIXTURE WITH EARTHQUAKE CLIPS AND MULTI-VOLT LED DIMMING DRIVER.**
L-2E	**METALUX 24CZ-LD5-60S-UNV-L840-CD1-EQ-CLIP-PAF-GTD COLUMBIA LCAT24-40HL-G-ED1-U-EQCLIP-PAF-GTD LITHONIA 2BLT4-60L-ADP-EZ1-LP840-EQCLIP-PAF-GTD**	**MVOLT**	**LED**	**6000 (6221/7321 /6112**	**4000**	**52.2/44/ 47.59**	**0-10V**	**GRID**	**2X4 RECESSED GRID MOUNTED DIRECT/INDIRECT LED TYPE LIGHTING FIXTURE WITH EARTHQUAKE CLIPS, ACRYLIC LENS (0.125 MINIMUM THICKNESS), MULTI-VOLT LED DIMMING DRIVER AND INTEGRAL LEVITON ECD00-200 EMERGENCY GENERATOR TRANSFER DEVICE. CONNECT TO NORMAL POWER AND EMERGENCY POWER VIA THE TRANSFER DEVICE.**
L-3	**METALUX 24CZ-LD5-50S-UNV-L840-CD1-EQ-CLIP-PAF COLUMBIA LCAT4-40MLG-ED1-U-EQCLIP-PAF LITHONIA 2BLT4BA-48L-ADP-EZ1-LP840-EQCLIP-PAF**	**MVOLT**	**LED**	**4800 (5190/ 4990/ 4971.99/ XXXX)**	**4000**	**40.7/39/ 38/XX**	**0-10V**	**GRID**	**2X4 RECESSED GRID MOUNTED DIRECT/INDIRECT LED TYPE LIGHTING FIXTURE WITH EARTHQUAKE CLIPS AND MULTI-VOLT LED DIMMING DRIVER.**
L-3E	**METALUX 24CZ-LD5-50S-UNV-L840-CD1-EQ-CLIP-PAF-GTD COLUMBIA LCAT4-40MLG-ED1-U-EQCLIP-PAF-GTD LITHONIA 2BLT4BA-48L-ADP-EZ1-LP840-EQCLIP-PAF-GTD**	**MVOLT**	**LED**	**4800 (5190/ 4990/ 4971.99/ XXXX)**	**4000**	**40.7/39/ 38/XX**	**0-10V**	**GRID**	**2X4 RECESSED GRID MOUNTED DIRECT/INDIRECT LED TYPE LIGHTING FIXTURE WITH EARTHQUAKE CLIPS, ACRYLIC LENS (0.125 MINIMUM THICKNESS), MULTI-VOLT LED DIMMING DRIVER AND INTEGRAL LEVITON ECD00-200 EMERGENCY GENERATOR TRANSFER DEVICE. CONNECT TO NORMAL POWER AND EMERGENCY POWER VIA THE TRANSFER DEVICE.**
L-4	**METALUX 14GR-LD5-32-A125-UNV-L840-CD1-PAF-U-DF-14-WU COLUMBIA LJT14-40MWG-FSA12125-EU-PAF LITHONIA GTLF-4-33L-A12125-EZ1-LP840-LATC-PAF**	**120/277**	**LED**	**3000 (3257/ 3484/ 3557.4)**	**4000**	**29.8/31/ 28.4**	**NONE**	**FLANGE**	**1X4 RECESSED FLANGE MOUNTED LED LENS TYPE LIGHTING FIXTURE WITH FLANGE TRIM KIT, ACRYLIC LENS (0.125 MINIMUM THICKNESS) AND MULTI-VOLT LED DRIVER.**
L-5	**METALUX 14GR-LD5-32-A125-UNV-L840-CD1-PAF-U-SK-14-WT COLUMBIA LJT14-40MWG-FSA12125-EU-PAF-SM LITHONIA GTL-4-33L-A12125-EZ1-LP840-LATC-PAF-SMKSH**	**120/277**	**LED**	**3000 (3257/ 3484/ 3557.4)**	**4000**	**29.8/31/ 28.4**	**NONE**	**SURFACE**	**1X4 SURFACE MOUNTED LED TYPE LIGHTING FIXTURE WITH ACRYLIC LENS (0.125 MINIMUM THICKNESS), SURFACE MOUNTING KIT AND MULTI-VOLT LED DRIVER.**
L-5E	**METALUX 14GR-LD5-32-A125-UNV-L840-CD1-PAF-U-GTD-SK-14-WT COLUMBIA LJT14-40MWG-FSA12125-EU-PAF-SM-GTD LITHONIA GTL-4-33L-A12125-EZ1-LP840-LATC-PAF-GTD-SMKSH**	**120/277**	**LED**	**3000 (3257/ 3484/ 3557.4)**	**4000**	**29.8/31/ 28.4**	**NONE**	**SURFACE**	**1X4 SURFACE MOUNTED LED TYPE LIGHTING FIXTURE WITH ACRYLIC LENS (0.125 MINIMUM THICKNESS), MULTI-VOLT LED DRIVER, SURFQACE MOUNTING KIT AND INTEGRAL LEVITON ECD00-200 EMERGENCY GENERATOR TRANSFER DEVICE. CONNECT TO NORMAL POWER AND EMERGENCY POWER VIA THE TRANSFER DEVICE.**
X1	**SURE-LITES LPX6-R DUAL LITE SESRW LITHONIA LESW1R**	**120/277**	**LED**			**1**	**NONE**		**SURFACE MOUNTED SINGLE FACE EXIT SIGN WITH DIE CAST ALUMINUM HOUSING, STENCIL FACE AND RED LETTERS (ARROWS AS INDICATED ON DRAWINGS).**
X2	**SURE-LITES LPX6-R DUAL LITE SEDRW LITHONIA LESW2R**	**120/277**	**LED**			**1**	**NONE**		**SURFACE MOUNTED DOUBLE FACE EXIT SIGN WITH DIE CAST ALUMINUM HOUSING, STENCIL FACE AND RED LETTERS (ARROWS AS INDICATED ON DRAWINGS).**

LAVILLE JR-SR HIGH SCHOOL PANELBOARD SCHEDULE

MARK & TYPE
"1L1" - SECTION 1
TYPE: EXISTING GE
120/208V, 3 PH, 4W
100 AMP MAIN LUGS
NEMA 1
SURFACE MOUNTED

AD-2

REMARKS
BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
REPLACE TWO (2) EXISTING 2P-50 AMP CIRCUIT BREAKERS (CIRCUITS 21,23 AND 22,24 WITH FOUR (4) 1P-20 AMP CIRCUIT BREAKERS (CIRCUITS 21,22,23 AND 24).
PROVIDE TWO (2) 1P-20 AMP CIRCUIT BREAKERS (CIRCUITS 40 AND 42) IN TWO (2) 1P-SPACES (CIRCUITS 40 AND 42). (ALTERNATE BID)

DESCRIPTION	CIR	POLE	TRIP	LTS	REC	EQUIP	A	B	C	HEAT	A/C	FUTR	POLE	TRIP	CIR	DESCRIPTION
C-102, 135 RECPS	1	1	20													
													1	20	2	C103,C135 RECPS
C135 RECPS	3	1	20													
													1	20	4	C135 RECPS
C135 RECPS GARBAGE DISPOSAL	5	1	20													
																C135 RECPS GARBAGE DISPOSAL
													1	20	6	
UH B135,C130,C131 C134,C129 RECPS	7	1	20													
													1	20	8	C135 RECPS
	9	1	20													
													1	20	10	
	11	1	20													
													1	20	12	
	13	1	20													
													1	20	14	
C135 RECP AND GARBAGE DISPOSAL	15	1	20													
																C135 RECPS DISHWASHER AND GARBAGE DISPOSAL
													1	20	16	
	17	1	20													
													1	20	18	
	19	2	30													
													2	30	20	
E-119 RECPS (SEWING MACHINES)	21	1	20													
																E-119 RECPS (SEWING MACHINE)
													1	20	22	
E-119 RECPS (SEWING MACHINES)	23	1	20													
																E-119 RECPS (SEWING MACHINE)
													1	20	24	
	25	1	20													
																E-119 RECPS (SEWING MACHINE)
													1	20	26	
	27	1	20													
																E-119 RECPS (SEWING MACHINE)
													1	20	28	
TOTAL CONNECTED LOAD (kVA)																
TOTAL DEMAND LOAD (kVA)																

LAVILLE JR-SR HIGH SCHOOL PANELBOARD SCHEDULE

MARK & TYPE
"1L2"
TYPE: EXISTING GE
120/208V, 3 PH, 4W
100 AMP MAIN LUGS
NEMA 1
SURFACE MOUNTED

AD-2

REMARKS
BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
REPLACE TWO (2) EXISTING 2P-50 AMP CIRCUIT BREAKERS (CIRCUITS 7,9 AND 21) WITH FOUR (4) 1P-20 AMP CIRCUIT BREAKERS (CIRCUITS 7,9,21 AND 23). (ALTERNATE BID)

DESCRIPTION	CIR	POLE	TRIP	LTS	REC	EQUIP	A	B	C	HEAT	A/C	FUTR	POLE	TRIP	CIR	DESCRIPTION
C128 RECP (IRON)	1	1	20													
													1	20	2	TRANE PANEL
C129 RECP C128 RECP (IRON)	3	1	20													
													1	20	4	C128 RECPS (IRON)
C128 RECP (IRON)	5	1	20													
													1	20	6	C135 RECPS AND WASHER
E-119 RECPS (IRONING RECPS)	7	**1**	**20**													
													1	20	8	
SPARE	9	**1**	**20**													
													1	20	10	C128 FLOOR DUCT
C129,131,133,135 RECPS C130 RECP (IRON)	11	1	20													
													1	20	12	C128 FLOOR DUCT
C107 RECPS	13	1	20													
													1	20	14	C128 FLOOR DUCT
	15	1	20													
													1	20	16	
C135 RECP (DRYER)	17	2	30													
													2	20	18	C107 208 V RECP
	19	2	50													
													2	100	20	SUB PANEL 1L8-3
SPARE	21	**1**	**20**													
													2	20	22	C135 RECP (RANGE)
SPARE	23	**1**	**20**													
SPACE	25	1														
													1		24	SPACE
TOTAL CONNECTED LOAD (kVA)																
TOTAL DEMAND LOAD (kVA)																

LAVILLE JR-SR HIGH SCHOOL PANELBOARD SCHEDULE

MARK & TYPE
"1L14" - SECTION 1
TYPE: SQ D NO OR APPROVED EQUAL
120/208V, 3 PH, 4W
400 AMP MAIN LUGS
NEMA 1
SURFACE MOUNTED

REMARKS
BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
CIRCUIT BREAKERS SHALL HAVE MINIMUM 22,000 AMP INTERRUPTING CAPACITY - TYPE QOB-H.
TWO SECTION PANEL - BOTH SECTIONS SAME HEIGHT - SECTION 1 OF 2.
PROVIDE GFI TYPE CIRCUIT BREAKERS FOR CIRCUITS 8,11,12,19,21 AND 28.
PROVIDE SHUNT TRIP CIRCUIT BREAKER FOR CIRCUIT 11.
(ALTERNATE BID)

DESCRIPTION	CIR	POLE	TRIP	LTS	REC	EQUIP	A	B	C	HEAT	A/C	FUTR	POLE	TRIP	CIR	DESCRIPTION
E-114,117 RECPS	1	1	20		0.90		0.90									
					0.18		0.18						1	20	2	E-114 RECPS
E-114 RECPS	3	1	20		1.08			1.08								
					1.50			1.50					1	20	4	E-114 RANGE HOOD
E-117 RECP (REFRIGERATOR)	5	1	20		1.50				1.50							
					1.50				1.50				1	20	6	E-114 RECP
E-117 RECP (FREEZER)	7	1	20		1.50		1.50									
																E-114 RECP (MICROWAVE)
					1.50		1.50						1	20	8	
E-114 RECP (WASHER)	9	1	20		1.50			1.50								
					1.50			1.50					1	20	10	E-114 RECP
E-114 RECPS (GAS RANGES)	11	1	20		1.50				1.50							
																E-114 RECP (MICROWAVE)
					1.50				1.50				1	20	12	
E-117 RECP (REFRIGERATOR)	13	1	20		1.50		1.50									
					1.50		1.50						1	20	14	E-114 RANGE HOOD
E-117 RECP (REFRIGERATOR)	15	1	20		1.50			1.50								
					1.50			1.50					1	20	16	E-114 RECP
E-114 RECP	17	1	20		1.50				1.50							
					1.50				1.50				1	20	18	E-114 RECPS
SPARE	19	1	20													
																E-114 RECP (REFRIGERATOR)
					1.50		1.50						1	20	20	
E-114 RECP (MICROWAVE)	21	1	20		1.50			1.50								
					1.50			1.50					1	20	22	E-114 RECP
E-114 RECP (HOOD)	23	1	20		1.50				1.50							
					1.50				1.50				1	20	24	E-114 RANGE HOOD
E-114 RECP (DISPOSAL)	25	1	20		1.00		1.00									
					1.50		1.50						1	20	26	E-114 RECP
E-114 RECP (DISPOSAL)	27	1	20		1.00			1.00								
																E-114 RECP (MICROWAVE)
					1.50			1.50					1	20	28	
E-114 RECP (DISPOSAL)	29	1	20		1.00				1.00							
							1.12		1.12				1	20	30	GEF-1 (1/2 HP)
E-114 RECP (DISPOSAL)	31	1	20		1.00		1.00									
							1.84	1.84					1	30	32	KEF-1 (1 HP)(ITEM 10)
ROOF RECP	33	1	20		0.18			0.18								
							1.84		1.84				1	35	34	MUAU-1 (1 HP)
TEMPERATURE CONTROL PANEL	35	1	20				1.00		1.00							
					1.50				1.50				1	20	36	E-114 RECP (DR1)
RANGE HOOD FIRE PROTECTION SYST. (ITEM 10)	37	1	20				1.00	1.00								
					1.50			1.50					1	20	38	E-114 RECP (DR2)
WORKTABLE (ITEM 4)	39	1	20		1.50				1.50							
							1.00		1.00							RANGE HOOD (ITEM 10)
WORKTABLE (ITEM 4)	41	1	20		1.50				1.50				1	20	40	
													1	20	42	SPARE
TOTAL CONNECTED LOAD (kVA)					45.34	58.80	31.42	35.60	37.12							
TOTAL DEMAND LOAD (kVA)					27.67	58.80										

LAVILLE JR-SR HIGH SCHOOL PANELBOARD SCHEDULE

MARK & TYPE
"1L14" - SECTION 2
TYPE: SQ D NO OR APPROVED EQUAL
120/208V, 3 PH, 4W
400 AMP MAIN LUGS
NEMA 1
SURFACE MOUNTED

REMARKS
BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
CIRCUIT BREAKERS SHALL HAVE MINIMUM 22,000 AMP INTERRUPTING CAPACITY - TYPE QOB-BH.
TWO SECTION PANEL - BOTH SECTIONS SAME HEIGHT - SECTION 2 OF 2.

DESCRIPTION	CIR	POLE	TRIP	LTS	REC	EQUIP	A	B	C	HEAT	A/C	FUTR	POLE	TRIP	CIR	DESCRIPTION
SPARE	43	1	20													
													1	20	44	SPARE
SPARE	45	1	20													
													1	20	46	SPARE
SPARE	47	1	20													
													1	20	48	SPARE
SPARE	49	1	20													
													1	20	50	SPARE
SPARE	51	1	20													
													1	20	52	SPARE
SPARE	53	1	20													
													1	20	54	SPARE
SPARE	55	1	20													
													1	20	56	SPARE
SPARE	57	1	20													
													1	20	58	SPARE
SPARE	59	1	20													
													1	20	60	SPARE
SPARE	61	1	20													
													1	20	62	SPARE
SPARE	63	1	20													
													1	20	64	SPARE
SPARE	65	1	20													
													1	20	66	SPARE
SPARE	67	1	20													
					4.00	4.00							2	50	68	E-114 RECP (RANGE)
SPARE	69	1	20													
					4.00		4.00								70	
E-114 RECP (DRYER)	71	2	30		2.00			2.00								
					4.00			4.00					2	50	72	E-114 RECP (RANGE)
	73				2.00	2.00										
					4.00	4.00									74	
E-114 RECP (RANGE)	75	2	50		4.00		4.00									
					4.00		4.00						2	50	76	E-114 RECP (RANGE)
	77				4.00			4.00								
					4.00			4.00							78	
OVEN/HOOD (ITEM 9)(16 AMPS)	79	3	20													
					1.00	1.00										E-114 UNDERCOUNTER DISHWASHER (ITEM 6)(32 AMPS)
					4.00	4.00							3	50	80	
	81				1.00		1.00									
					4.00		4.00								82	
	83				1.00			1.00								
					4.00			4.00							84	

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK
UNION NORTH UNITED SCHOOL CORPORATION
LAKEVILLE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-126
DATE 08/24/20
COORDINATED BY PCB
DRAWN BY PCB/JVC
CHECKED BY DJW

DALE J. WAGNER REGISTERED NO. 19600171 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC, SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/15/20	ADDENDUM NO. 2

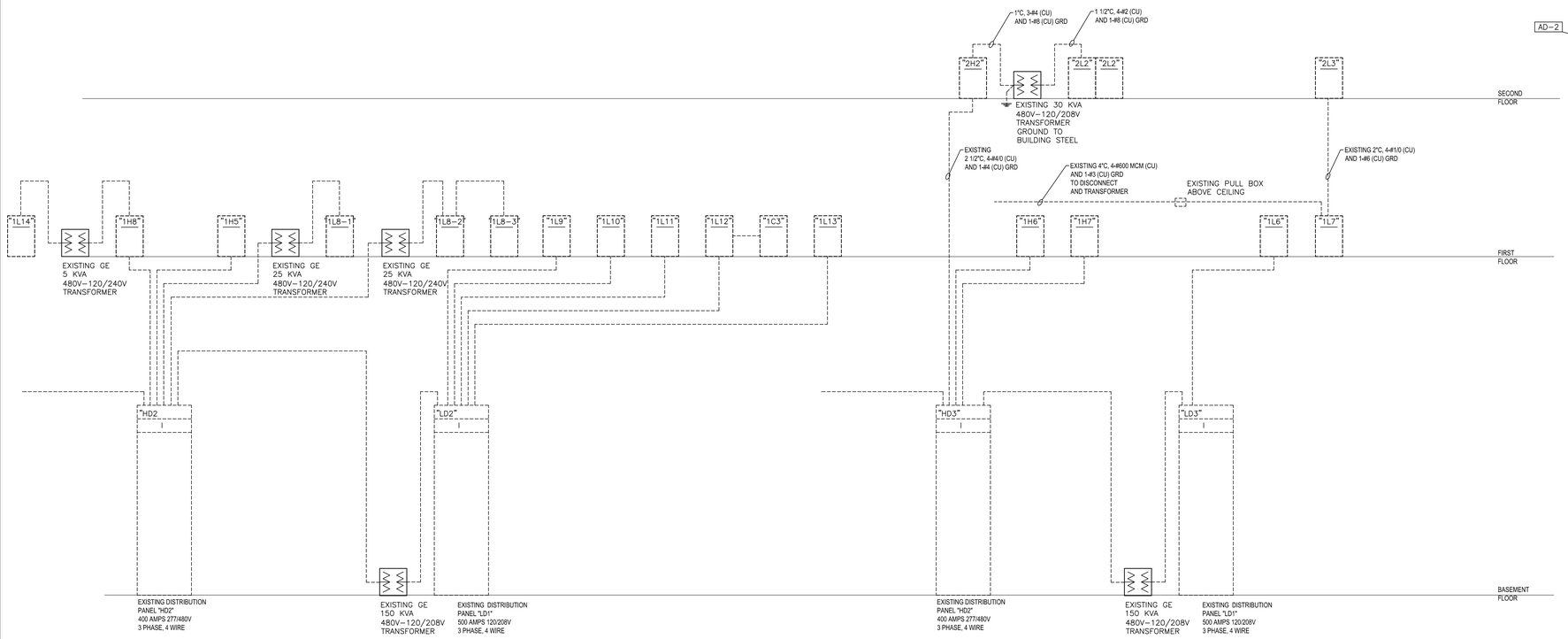
DRAWING
ELECTRICAL SCHEDULES

PROJECT
LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS & RELATED WORK

©GIBRALTAR DESIGN

SHEET
E-601

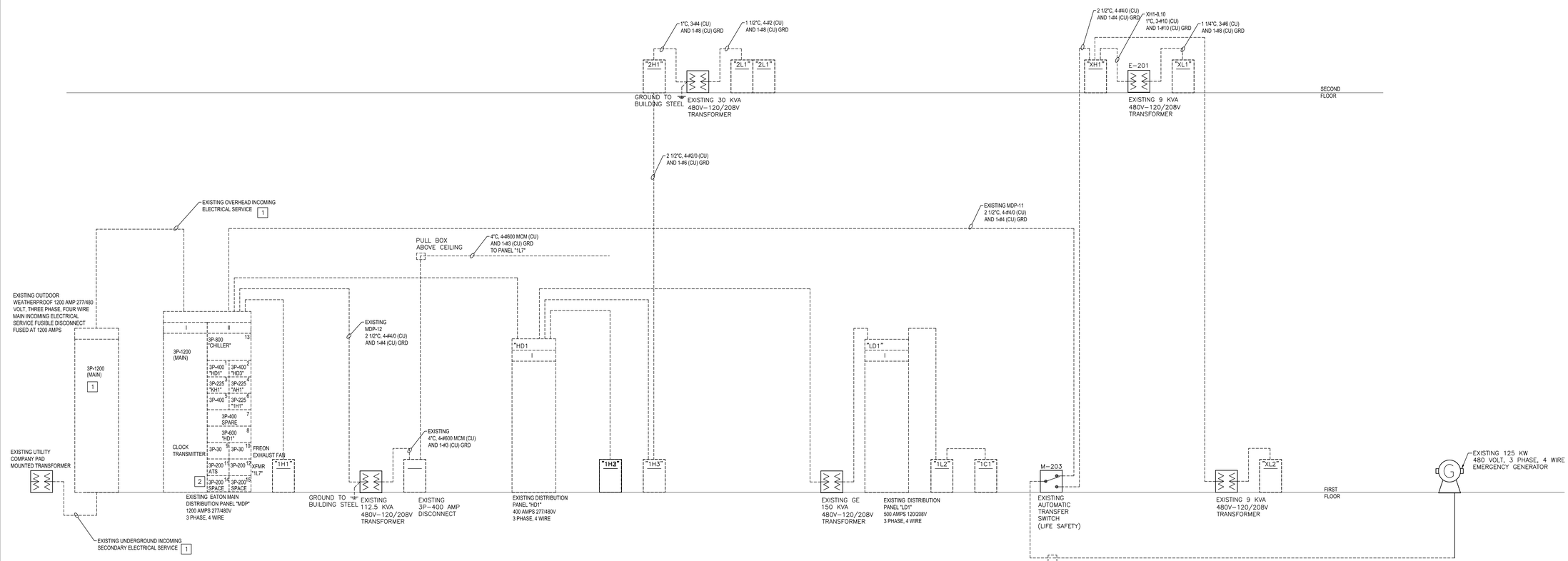
Tuesday, 9/15/2020 - 11:08 AM - LAST SAVED BY:JCHAMBERS
Y:\20-126 UNION-NORTH LAVILLE JR-SR HS - 2020 IMPROVEMENTS\20-126 DRAWINGS\09 ELEC\E-601.DWG



ELECTRICAL DEMOLITION PLAN NOTES:

AD–2

1. REMOVE EXISTING UNDERGROUND SECONDARY CONDUIT AND WIRE FROM UTILITY COMPANY TRANSFORMER TO EXISTING EXTERIOR MAIN DISCONNECT SWITCH. REMOVE EXISTING EXTERIOR WEATHERPROOF DISCONNECT, EXISTING RISER POLE, EXISTING OVERHEAD FEEDER, EXISTING WEATHERHEAD AND STRUCTURE, AND EXISTING CONDUIT AND WIRE DOWN TO THE MAIN DISTRIBUTION PANEL "MDP". (ALTERNATE BID)
2. MODIFY EXISTING MAIN DISTRIBUTION PANEL "MDP" AS NECESSARY TO PROVIDE A NEW 3P–200 AMP CIRCUIT BREAKER (CIRCUIT 14) IN EXISTING 3P–SPACE (CIRCUIT 14) TO SERVE THE NEW 112.5 KVA TRANSFORMER AND NEW PANEL "1L14". (ALTERNATE BID)



ELECTRICAL PARTIAL DEMOLITION POWER DISTRIBUTION DIAGRAM

SCALE: NONE

---------- EXISTING TO REMAIN
———— NEW

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK

UNION NORTH UNITED SCHOOL CORPORATION
LAKEVILLE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT
20–126
DATE
08/24/20
COORDINATED BY
PCB
DRAWN BY
PCB/JVC
CHECKED BY
DJW

DALE J. WAGNER
REGISTERED
NO.
19600171
STATE OF
INDIANA
ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD–2	09/15/20	ADDENDUM NO. 2

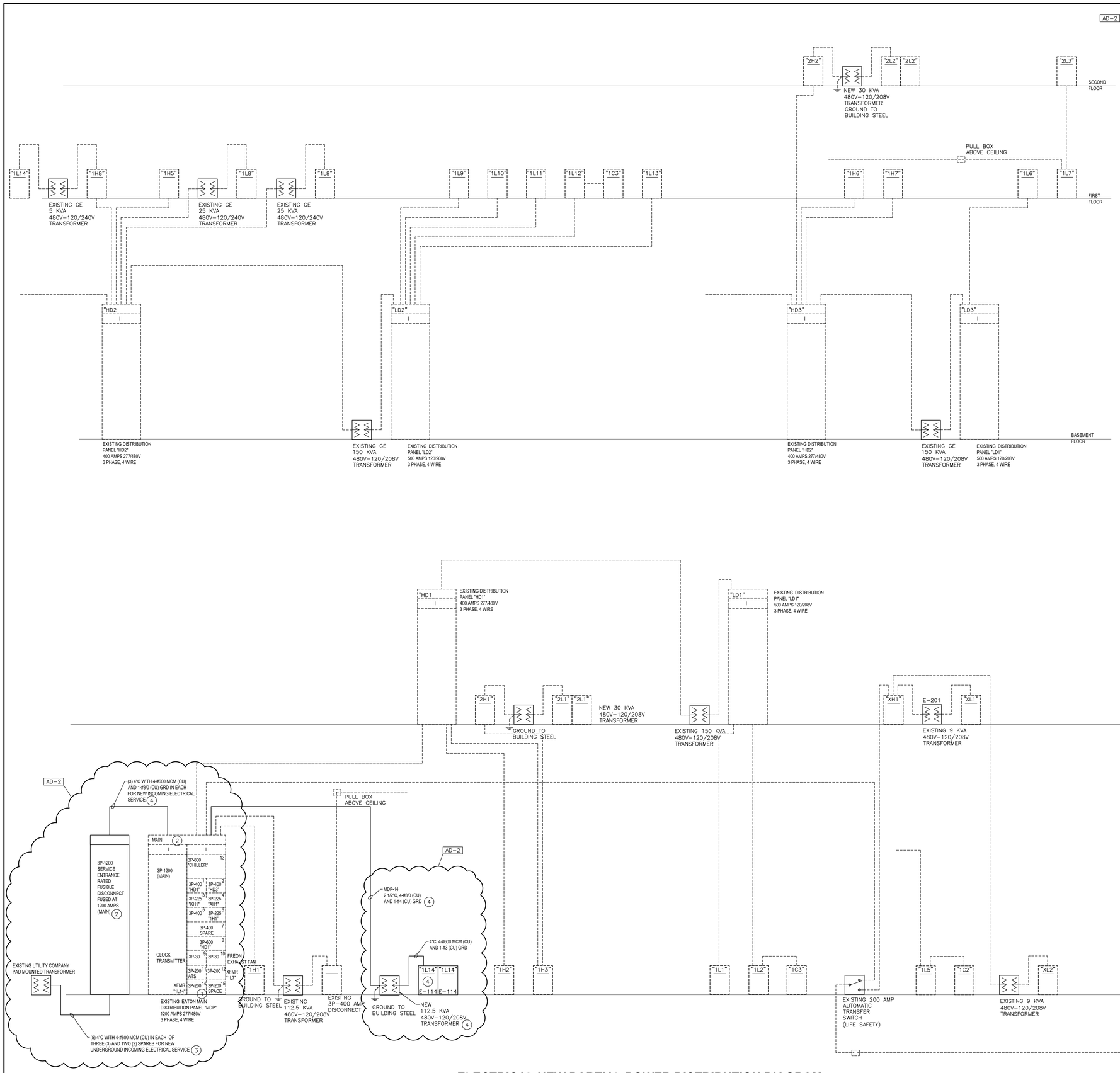
DRAWING
ELECTRICAL PARTIAL DEMOLITION POWER DISTRIBUTION DIAGRAM

PROJECT
LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS & RELATED WORK

© GIBRALTAR DESIGN

SHEET
E-701

Tuesday, 9/15/2020 – 11:11 AM – LAST SAVED BY:JCHAMBERS
Y:\20-126 UNION-NORTH LAVILLE JR-SR HS – 2020 IMPROVEMENTS\20-126 DRAWINGS\09 ELEC\E-701.DWG



ELECTRICAL NEW PARTIAL POWER DISTRIBUTION DIAGRAM

SCALE: NONE

EXISTING TO REMAIN

NEW

PLAN NOTES:

AD-2

1. MODIFY EXISTING MAIN DISTRIBUTION PANEL "MDP" AS NECESSARY TO PROVIDE A NEW 3P-200 AMP CIRCUIT BREAKER (CIRCUIT 14) IN EXISTING 3P-SPACE (CIRCUIT 14) TO SERVE THE NEW 112.5 KVA TRANSFORMER AND NEW PANEL "1L14". (ALTERNATE BID)
2. PROVIDE NEW 3P-1200, 3 PHASE, 4 WIRE MAIN INCOMING ELECTRICAL SERVICE FUSIBLE DISCONNECT FUSED AT 1200 AMPS. PROVIDE ALL LABOR AND MATERIAL THAT MAY BE NECESSARY TO MODIFY EXISTING MAIN PANELBOARD TO ACCEPT THE NEW INCOMING ELECTRICAL SERVICE. (ALTERNATE BID)
3. PROVIDE FIVE (5) NEW 4" CONDUITS WITH 4-#600 MCM (CU) IN EACH OF THREE FOR NEW INCOMING UNDERGROUND SECONDARY ELECTRICAL SERVICE. THE OTHER TWO (2) CONDUIT ARE SPARES. (ALTERNATE BID)
4. ALTERNATE BID

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS AND RELATED WORK

UNION NORTH UNITED SCHOOL CORPORATION
LAKEVILLE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT
20-126
DATE
08/24/20
COORDINATED BY
PCB
DRAWN BY
PCB/JVC
CHECKED BY
DJW

DALE J. WACKER
REGISTERED
NO.
19600171
STATE OF
INDIANA
ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/15/20	ADDENDUM NO. 2

DRAWING

ELECTRICAL NEW PARTIAL POWER DISTRIBUTION DIAGRAM

PROJECT

LAVILLE JR-SR HIGH SCHOOL - 2020 IMPROVEMENTS & RELATED WORK

© GIBRALTAR DESIGN

SHEET

E-702

Tuesday, 9/15/2020 - 11:20 AM - LAST SAVED BY:JCHAMBERS
Y:\20-126 UNION-NORTH LAVILLE JR-SR HS - 2020 IMPROVEMENTS\20-126 DRAWINGS\09 ELEC\E-702.DWG