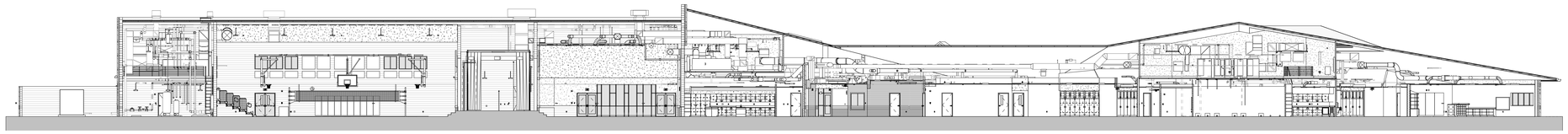
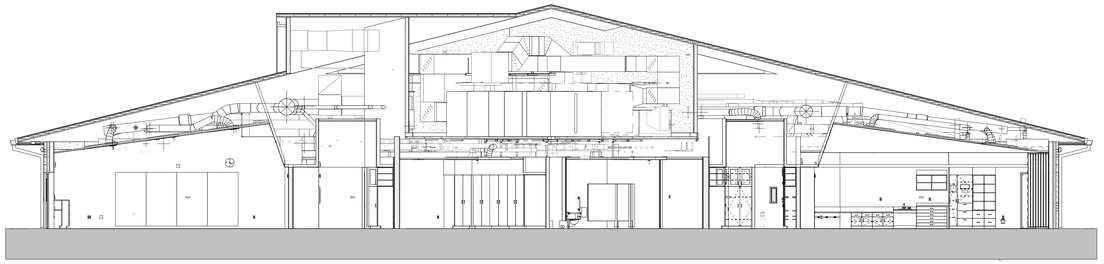
THIS SHEET IS FOR REFERENCE ONLY. REFER TO THE BUILDING PLANS, SECTIONS AND DETAILS FOR SPECIFIC INFORMATION AND REQUIREMENTS. SECTIONS DO NOT INCLUDE ANY STRUCTURAL STEEL INFORMATION AND CONDITIONS DEPICTED ABOVE THE CEILING PLANE ARE DIAGRAMMATIC.



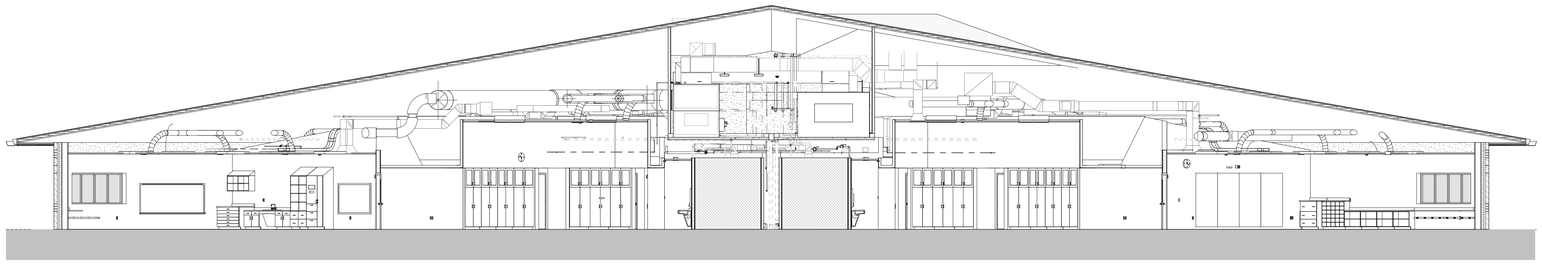
1 BUILDING SECTION A

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

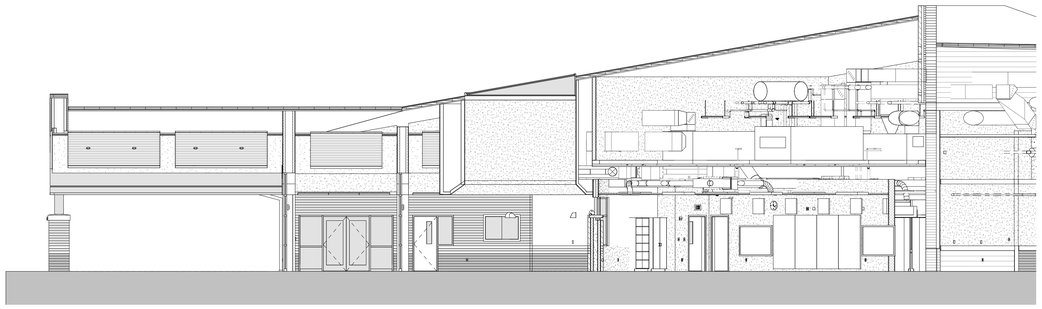


2 BUILDING SECTION B

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



3 BUILDING SECTION C



4 BUILDING SECTION D

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

BUILDING SECTION NOTES (X)

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

NO.	DESCRIPTION

VERIFICATION NOTE

CONTRACTOR 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.

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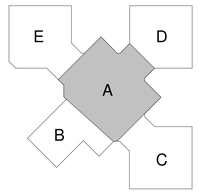

KEY PLAN

CONSTRUCTION DOCUMENTS

CHARLES ROBERT TILLER REGISTERED No. 4438 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: CT

DRAWN BY: Author

PROJECT NUMBER: 219124.00

PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

BUILDING SECTIONS

A4.01

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ARCHITECTURAL/SITE ABBREVIATIONS

ABBREVIATIONS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW

@	AT
AC	AIR CONDITIONING
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFP	ACCORDION FOLDING PARTITION
AGG	AGGREGATE
ALT	ALTERNATIVE
AL	ALUMINUM
AP	ACCESS PANEL
APROX	APPROXIMATE
AR	ACID RESISTANT
ARCH	ARCHITECT(URAL)
ASPH	ASPHALT
AV	AUDIO-VISUAL
AWG	AMERICAN WIRE GUAGE
AWT	ACCOUSTICAL WALL TREATMENT
L	ANGLE
&	AND
BIT	BITUMINOUS
BLDG	BUILDING
BLKG	BLOCKING
BM	BENCH MARK / BEAM
B.O.	BOTTOM OF
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BRG	BEARING
BRK	BRICK
BUR	BUILT-UP ROOF
CAB	CABINET
CAR	CARPET
CAT	CATALOG
CB	CHALKBOARD / CATCH BASIN
CFM	CUBIC FEET PER MINUTE
CH	CABINET HEATER
CI	CAST IRON
CJ	CONTROL JOINT
CL	CENTERLINE
CLR	CLEAR
CLG	CEILING
CMP	CORRUGATED METAL PIPE
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
COMP	COMPACTED
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS/CONTINUE
CONTR	CONTRACTOR
CORR	CORRUGATED
CT	CERAMIC TILE
C TO C	CENTER TO CENTER
CSK	COUNTER SINK
CU FT/CF	CUBIC FEET
CU IN/CI	CUBIC INCH
CU YD/CY	CUBIC YARD
CUSP	CUSPIDOR
CW	COLD WATER
CWF	CEMENTITIOUS WOOD FIBER
d	PENNY (NAILS, ETC.)
D	DEPTH/DEEP
°	DEGREE
DC	DISPLAY CASE
DEPT	DEPT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA/ Ø	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DL	DEAD LOAD
DWG	DRAWING
DS	DOWNSPOUT
DWC	DRINKING WATER COOLER
E	EAST
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
ENGR	ENGINEER
EP	ELECTRICAL PANELBOARD
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EFS (or DEFS)	DIRECT APPLIED EXTERIOR FINISH SYSTEM
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
EXTN	EXTENSION
FD	FLOOR DRAIN
FHC	FIRE HOSE CABINET
FIN	FINISH
FIN FL	FINISH FLOOR
FLR	FLOOR
FDN	FOUNDATION
FSR	FLEXIBLE SHEET ROOFING
FSSK	FLOOR SERVICE SINK
FT	FEET
FTG	FOOTING
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
GA	GAUGE
GALV	GALVANIZED(D)
GB	GRAB BAR
GFCMU	GROUND FACE CONCRETE MASONRY UNIT
GFRGU	GLASS FIBER REINFORCED GYPSUM UNIT
GL	GLASS
GWB	GYPSUM WALLBOARD
H	HEIGHT/HIGH
HB	HOSE BIB
HDWE	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HPT	HIGH POINT
HS	HIGH STRENGTH
HTG	HEATING
HVAC	HEATING/VENTILATING/AIR CONDITIONING
HW	HOT WATER
HWY	HIGHWAY
ID	INSIDE DIAMETER
IN	INCH
INCL	INCLUDE(D), (ING)
INFO	INFORMATION
INSUL	INSULATION
INTR	INTERIOR
INV	INVERT
JS	JOIST SUBSTITUTE
JST	JOIST
JT	JOINT
KIT	KITCHEN
L	LENGTH
LAM	LAMINATE(D)
LAV	LAVATORY
LB#	POUND
LKR	LOCKER
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LVR	LOUVER
LW	LONG WAY

M	METER
MAS	MASONRY
MAT	MATERIAL
MAX	MAXIMUM
MB	MARKER BOARD
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MOP HOLDER
MIN	MINIMUM
MISC	MISCELLANEOUS
MM	MILLIMETER
MO	MASONRY OPENING
MTL	METAL
N	NORTH
NIC	NOT IN CONTRACT
NO#	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPNG	OPENING
OPP	OPPOSITE
O.H.	OPPOSITE HAND
O TO O	OUT TO OUT
OW	OPERABLE WALL
OZ	OUNCE
P	PAINT
PA	PUBLIC ADDRESS
PERF	PERFORATED
PLAS	PLASTIC
PL	PLASTIC LAMINATE
PLBG	PLUMBING
PLYWD	PLYWOOD
PREFAB	PREFABRICATED
PS	PROJECTION SCREEN
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSS	PENCIL SHARPENER SUPPORT
PT	PORCELAIN TILA
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
QT	QUARRY TILE
R	RISER
RA	RETURN AIR
RAD/R	RADIUS
RB	RESILIENT BASE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REF	REFERENCE
REFR	REFRIGERATOR
REINF	REINFORCING
REQ'D	REQUIRED
REV	REVISION(S)
RM	ROOM
R.O.	ROUGH OPENING
ROW	RIGHT-OF-WAY
S	SOUTH
SA	SUPPLY AIR
SAN	SANITARY
SCHED	SCHEDULE
SD	STORM DRAIN / SMOKE DETECTOR
SECT	SECTION
SEW	SEWER
SGFT	STRUCTURAL GLAZED FACING TILE
SHT	SHEET
SIM	SIMILAR
SP	SPACE
SPEC(S)	SPECIFICATION(S)
SPKR	SPEAKER
SQ	SQUARE
SQ FT/SF	SQUARE FEET
SQ IN/SI	SQUARE INCHES
SQ YD/SY	SQUARE YARDS
SS	STAINLESS STEEL
ST	STORM/STREET
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SW	SHORT WAY / SIDEWALK
SYMM	SYMMETRY(ICAL)
SYNTH	SYNTHETIC
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TA	TOILET ACCESSORY(IES)
TB	TACKBOARD
TC	TOP OF CURB
TEL	TELEPHONE
TERR	TERRAZZO
T.O	TOP OF
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TV	TELEVISION
TYP	TYPICAL
TWS	TACKABLE WALL SURFACE
UNO	UNLESS NOTED OTHERWISE
UV	UNIT VENTILATOR
UR	URINAL
VCT	VINYL COMPOSITE TILE
VCGWB	VINYL COVERED GYPSUM WALLBOARD
VERT	VERTICAL
VFWC	VINYL FABRIC WALLCOVERING
VIF	VERIFY IN FIELD
VIT	VITRECUS
VOL	VOLUME
VR	VAPOR RETARDER
VRB	VENTED RESILIENT BASE
VS	VENT STACK
VT	VINYL STACK
W	WEST / WIDE / WIDTH
W/	WITH
W/O	WITHOUT
WA	WARDROBE ACCESSORIES
WB	WOOD BASE
WC	WATER CLOSET / WIND COLUMN
WD	WOOD
WH	WATER HEATER
WP	WORKING POINT
WSSK	WALL SERVICE SINK
WWF	WELDED WIRE FABRIC
YD	YARD / YARD DRAIN

MATERIAL SYMBOLS LEGEND

MATERIAL SYMBOLS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW

ASPHALT
EARTH
GRAVEL, STONE, OR DRAINAGE FILL
SAND, GROUT, PLASTER, GWB, OR PLAN VIEW OF SIDEWALK
CONCRETE
TERRAZZO
CUT STONE
MARBLE
SLATE
FACE BRICK (PLAN)
GLAZED BRICK
CONCRETE MASONRY UNIT (PLAN)
CONCRETE MASONRY UNIT (SECTION)
CONCRETE MASONRY UNIT (SOLID, IN SECTION)
SPRAY-ON INSULATION OR FIRE PROTECTION
WIRE FENCE OR PARTITION
METAL ROOF DECK
LAMINATED WOOD BEAM (SMALL SCALE, SECTION)
BATT INSULATION
RIGID INSULATION
ROUGH WOOD
FINISH WOOD
WOOD OTHER THAN NOMINAL
PLYWOOD
GYPSUM WALLBOARD (LARGE SCALE)
STUD WALL (PLAN) - DIMENSIONS TAKEN TO FINISH FACE OF WALL - SEE WALL TYPES
SOLID PANEL FOLDING PARTITION OR OPERABLE WALL
FABRIC ACCORDION FOLDING PARTITION
ACOUSTICAL TILE CEILING
EXTERIROR INSULATION FINISH SYSTEM

DRAWING SYMBOLS LEGEND

DRAWING SYMBOLS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW

CALLOUT
REVISION TAG
EXISTING CONTOUR
ROOF TYPE TAG
NEW CONTOUR
CEILING TAG
BUILDING/WALL SECTION
TEST BORING & NO.
KEY NOTE TAG
DETAIL SECTION
DOOR TAG
EXISTING POINT ELEVATION
EXTERIOR ELEVATION
ROOF SLOPE TAG
NEW POINT ELEVATION
MATCHLINE VIEW REFERENCE
WALL TAG
STOREFRONT TAG
STORM SEWER INLETS
INTERIOR ELEVATION
WINDOW TAG
GRID HEAD
ROOM TAG
LEVEL LINE

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ARCHITECTURAL/SITE ABBREVIATIONS

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@	AT
AC	AIR CONDITIONING
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFP	ACCORDION FOLDING PARTITION
AGG	AGGREGATE
ALT	ALTERNATIVE
AL	ALUMINUM
AP	ACCESS PANEL
APROX	APPROXIMATE
AR	ACID RESISTANT
ARCH	ARCHITECT(URAL)
ASPH	ASPHALT
AV	AUDIO-VISUAL
AWG	AMERICAN WIRE GUAGE
AWT	ACCOUSTICAL WALL TREATMENT
L	ANGLE
&	AND
BIT	BITUMINOUS
BLDG	BUILDING
BLKG	BLOCKING
BM	BENCH MARK / BEAM
B.O.	BOTTOM OF
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BRG	BEARING
BRK	BRICK
BUR	BUILT-UP ROOF
CAB	CABINET
CAR	CARPET
CAT	CATALOG
CB	CHALKBOARD / CATCH BASIN
CFM	CUBIC FEET PER MINUTE
CH	CABINET HEATER
CI	CAST IRON
CJ	CONTROL JOINT
CL	CENTERLINE
CLR	CLEAR
CLG	CEILING
CMP	CORRUGATED METAL PIPE
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
COMP	COMPACTED
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS/CONTINUE
CONTR	CONTRACTOR
CORR	CORRUGATED
CT	CERAMIC TILE
C TO C	CENTER TO CENTER
CSK	COUNTER SINK
CU FT/CF	CUBIC FEET
CU IN/CI	CUBIC INCH
CU YD/CY	CUBIC YARD
CUSP	CUSPIDOR
CW	COLD WATER
CWF	CEMENTITIOUS WOOD FIBER
d	PENNY (NAILS, ETC.)
D	DEPTH/DEEP
°	DEGREE
DC	DISPLAY CASE
DEPT	DEPT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA/ Ø	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DL	DEAD LOAD
DWG	DRAWING
DS	DOWNSPOUT
DWC	DRINKING WATER COOLER
E	EAST
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
ENGR	ENGINEER
EP	ELECTRICAL PANELBOARD
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EFS (or DEFS)	DIRECT APPLIED EXTERIOR FINISH SYSTEM
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
EXTN	EXTENSION
FD	FLOOR DRAIN
FHC	FIRE HOSE CABINET
FIN	FINISH
FIN FL	FINISH FLOOR
FLR	FLOOR
FDN	FOUNDATION
FSR	FLEXIBLE SHEET ROOFING
FSSK	FLOOR SERVICE SINK
FT	FEET
FTG	FOOTING
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
GA	GAUGE
GALV	GALVANIZED(D)
GB	GRAB BAR
GFCMU	GROUND FACE CONCRETE MASONRY UNIT
GFRGU	GLASS FIBER REINFORCED GYPSUM UNIT
GL	GLASS
GWB	GYPSUM WALLBOARD
H	HEIGHT/HIGH
HB	HOSE BIB
HDWE	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HPT	HIGH POINT
HS	HIGH STRENGTH
HTG	HEATING
HVAC	HEATING/VENTILATING/AIR CONDITIONING
HW	HOT WATER
HWY	HIGHWAY
ID	INSIDE DIAMETER
IN	INCH
INCL	INCLUDE(D), (ING)
INFO	INFORMATION
INSUL	INSULATION
INTR	INTERIOR
INV	INVERT
JS	JOIST SUBSTITUTE
JST	JOIST
JT	JOINT
KIT	KITCHEN
L	LENGTH
LAM	LAMINATE(D)
LAV	LAVATORY
LB/#	POUND
LKR	LOCKER
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LVR	LOUVER
LW	LONG WAY
M	METER
MAS	MASONRY
MAT	MATERIAL
MAX	MAXIMUM
MB	MARKER BOARD
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MOP HOLDER
MIN	MINIMUM
MISC	MISCELLANEOUS
MM	MILLIMETER
MO	MASONRY OPENING
MTL	METAL
N	NORTH
NIC	NOT IN CONTRACT
NO/#	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPNG	OPENING
OPP	OPPOSITE
O.H.	OPPOSITE HAND
O TO O	OUT TO OUT
OW	OPERABLE WALL
OZ	OUNCE
P	PAINT
PA	PUBLIC ADDRESS
PERF	PERFORATED
PLAS	PLASTIC
PL	PLASTIC LAMINATE
PLBG	PLUMBING
PLYWD	PLYWOOD
PREFAB	PREFABRICATED
PS	PROJECTION SCREEN
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSS	PENCIL SHARPENER SUPPORT
PT	PORCELAIN TILA
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
QT	QUARRY TILE
R	RISER
RA	RETURN AIR
RAD/R	RADIUS
RB	RESILIENT BASE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REF	REFERENCE
REFR	REFRIGERATOR
REINF	REINFORCING
REQ'D	REQUIRED
REV	REVISION(S)
RM	ROOM
R.O.	ROUGH OPENING
ROW	RIGHT-OF-WAY
S	SOUTH
SA	SUPPLY AIR
SAN	SANITARY
SCHED	SCHEDULE
SD	STORM DRAIN / SMOKE DETECTOR
SECT	SECTION
SEW	SEWER
SGFT	STRUCTURAL GLAZED FACING TILE
SHT	SHEET
SIM	SIMILAR
SP	SPACE
SPEC(S)	SPECIFICATION(S)
SPKR	SPEAKER
SQ	SQUARE
SQ FT/SF	SQUARE FEET
SQ IN/SI	SQUARE INCHES
SQ YD/SY	SQUARE YARDS
SS	STAINLESS STEEL
ST	STORM/STREET
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SW	SHORT WAY / SIDEWALK
SYMM	SYMMETRY(ICAL)
SYNTH	SYNTHETIC
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TA	TOILET ACCESSORY(IES)
TB	TACKBOARD
TC	TOP OF CURB
TEL	TELEPHONE
TERR	TERRAZZO
T.O.	TOP OF
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TV	TELEVISION
TYP	TYPICAL
TWS	TACKABLE WALL SURFACE
UNO	UNLESS NOTED OTHERWISE
UV	UNIT VENTILATOR
UR	URINAL
VCT	VINYL COMPOSITE TILE
VCGWB	VINYL COVERED GYPSUM WALLBOARD
VERT	VERTICAL
VFWC	VINYL FABRIC WALLCOVERING
VIF	VERIFY IN FIELD
VIT	VITREOUS
VOL	VOLUME
VR	VAPOR RETARDER
VRB	VENTED RESILIENT BASE
VS	VENT STACK
VT	VINYL STACK
W	WEST / WIDE / WIDTH
W/	WITH
W/O	WITHOUT
WA	WARDROBE ACCESSORIES
WB	WOOD BASE
WC	WATER CLOSET / WIND COLUMN
WD	WOOD
WH	WATER HEATER
WP	WORKING POINT
WSSK	WALL SERVICE SINK
WWF	WELDED WIRE FABRIC
YD	YARD / YARD DRAIN

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MATERIAL SYMBOLS LEGEND

MATERIAL SYMBOLS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW

- ASPHALT
- EARTH
- GRAVEL, STONE, OR DRAINAGE FILL
- SAND, GROUT, PLASTER, GWB, OR PLAN VIEW OF SIDEWALK
- CONCRETE
- TERRAZZO
- CUT STONE
- MARBLE
- SLATE
- FACE BRICK (PLAN)
- GLAZED BRICK
- CONCRETE MASONRY UNIT (PLAN)
- CONCRETE MASONRY UNIT (SECTION)
- CONCRETE MASONRY UNIT (SOLID, IN SECTION)
- SPRAY-ON INSULATION OR FIRE PROTECTION
- WIRE FENCE OR PARTITION
- METAL ROOF DECK
- LAMINATED WOOD BEAM (SMALL SCALE, SECTION)
- BATT INSULATION
- RIGID INSULATION
- ROUGH WOOD
- FINISH WOOD
- WOOD OTHER THAN NOMINAL
- PLYWOOD
- GYPSUM WALLBOARD (LARGE SCALE)
- STUD WALL (PLAN) - DIMENSIONS TAKEN TO FINISH FACE OF WALL - SEE WALL TYPES
- SOLID PANEL FOLDING PARTITION OR OPERABLE WALL
- FABRIC ACCORDION FOLDING PARTITION
- ACOUSTICAL TILE CEILING
- EXTERIROR INSULATION FINISH SYSTEM

DRAWING SYMBOLS LEGEND

DRAWING SYMBOLS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW

SYMBOL	DESCRIPTION
SIM 1 / A0.00	CALLOUT
XX'-XX"	CEILING TAG
1	KEY NOTE TAG
XXXX	DOOR TAG
X, X AX.XX X, X	EXTERIOR ELEVATION
X Ref, X Ref AX.XX X Ref, X Ref	INTERIOR ELEVATION
X	GRID HEAD
Name / EL XXX'-XX"	LEVEL LINE
1	REVISION TAG
A	ROOF TYPE TAG
SIM 1 / A1.1	BUILDING/WALL SECTION
SIM 1 / A1.1	DETAIL SECTION
SLOPE 1/12	ROOF SLOPE TAG
X / X### — X / X###	MATCHLINE VIEW REFERENCE
W###	WALL TAG
1t	STOREFRONT TAG
XX	WINDOW TAG
101	ROOM TAG
811	EXISTING CONTOUR
811	NEW CONTOUR
TB#1	TEST BORING & NO.
811.9	EXISTING POINT ELEVATION
811.9	NEW POINT ELEVATION
	STORM SEWER INLETS

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2	ADDENDUM #2	6/29/20

ABBREVIATIONS AND INDEX

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GENERAL NOTES

GENERAL

1. ALL CONSTRUCTION METHODS AND MATERIALS MUST CONFORM TO CURRENT STANDARDS AND SPECIFICATIONS OF THE FEDERAL, STATE, COUNTY, CITY OR LOCAL REQUIREMENTS, WHICHEVER HAS JURISDICTION.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL FEDERAL, STATE, COUNTY, CITY, AND LOCAL PERMITS FOR ANY AND ALL WORK REQUIRED UNLESS OTHERWISE NOTED. THIS SHALL INCLUDE ALL SUBMITTALS AS REQUIRED INCLUDING STORMWATER RUNOFF CONTROL (RULE 5). THE CONTRACTOR IS RESPONSIBLE FOR PAYING FOR ALL REQUIRED PERMITS BY ANY OR ALL AGENCIES MENTIONED ABOVE UNLESS OTHERWISE NOTED BY THE CONTRACT OR SPECIFICATIONS.
3. CONTRACTOR SHALL VERIFY DATE OF PLANS WITH ENGINEER PRIOR TO CONSTRUCTION TO ENSURE USE OF CURRENT PLANS.
4. ALL QUANTITIES PROVIDED ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTORS.
5. ADDITIONAL INFORMATION CONCERNING EARTH MOVING MAY BE FOUND IN THE GEOTECHNICAL ENGINEERING INVESTIGATION BY PATRIOT ENGINEERING AND ENVIRONMENTAL, INC. DATED APRIL 21, 2020. ALL REQUIREMENTS OF THE GEOTECHNICAL ENGINEERING INVESTIGATION SHALL BE FOLLOWED. THE INFORMATION SHOWN IN THE GEOTECHNICAL ENGINEERING INVESTIGATION IS FOR INFORMATION ONLY AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING CONDITIONS. IN CASE OF CONFLICT BETWEEN THE CONSTRUCTION DOCUMENTS AND THE GEOTECHNICAL ENGINEERING INVESTIGATION, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN.
6. PROPERTY ZONING IS SU-1.
7. PROTECT AND MAINTAIN BENCHMARKS AND SURVEY CONTROL POINTS FROM DISTURBANCE DURING CONSTRUCTION.

DEMOLITION

1. ~~DEMOLITION PERMIT WILL BE PROCURED BY THE SUBCONTRACTOR AND COST SHALL BE INCLUDED AS PART OF THEIR WORK.~~ (2)
2. DURING DEMOLITION PROCESS, EROSION CONTROL MEASURES SHALL BE ESTABLISHED. THESE SHALL INCLUDE TREATMENT OF DUST AND POTENTIAL STORMWATER DISCHARGE. REFER TO EROSION CONTROL DRAWINGS.
3. REMOVAL OF THE EXISTING IMPROVEMENTS ARE AS NOTED ON THE PLANS OR AS REQUIRED BY THE PROJECT. THE MATERIALS REMOVED FROM THE SITE SHALL BE DISPOSED OF IN A PROPER AND LEGAL MANNER PER FEDERAL, STATE, AND OR LOCAL LAWS AND ORDINANCES.
4. EXISTING ITEMS TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGE DURING CONSTRUCTION SHALL BE RESTORED, RECONSTRUCTED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE. ALL DAMAGES SHALL BE RESTORED OR REPLACED TO AT LEAST THEIR ORIGINAL CONDITION OR AS REQUIRED OR DICTATED BY FEDERAL, STATE, COUNTY, CITY OR LOCAL REGULATIONS.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL THE UTILITY COMPANIES AND DEPARTMENTS 72 HOURS BEFORE DEMOLITION IS TO START TO VERIFY ANY UTILITIES THAT MAY BE PRESENT ON SITE. ALL VERIFICATIONS, LOCATIONS, SIZE AND DEPTHS SHALL BE MADE BY THE APPROPRIATE UTILITY COMPANIES OR DEPARTMENTS. WHEN EXCAVATING AROUND OR OVER EXISTING UTILITIES, THE CONTRACTOR MUST NOTIFY THE UTILITY COMPANY SO A REPRESENTATIVE OF THE UTILITY MAY BE PRESENT DURING THE EXCAVATION TO INSTRUCT AND OBSERVE DURING THE EXCAVATION.
6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY WITH EACH UTILITY COMPANY AND OR AGENT WHO IS RESPONSIBLE TO REMOVE OR RELOCATE EACH EXISTING UTILITY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BEAR THE COST FOR THE REMOVAL, TERMINATION OR RELOCATION OF UTILITIES IF THE RESPONSIBILITY IS NOT COVERED BY THE UTILITY COMPANY.
7. LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP UTILITIES INDICATED TO BE REMOVED OR ABANDONED IN PLACE.
8. REMOVAL OF EXISTING CONCRETE OR OTHER PAVED AREAS INDICATED ON THE PLANS SHALL INCLUDE ALL AGGREGATE BASE MATERIALS. AREAS TO BE REMOVED SHALL BE SAW CUT CLEAN, NEAT AND TRUE TO LINE. REMOVE ALL NON-ORGANIC MATTER THAT WOULD INTERFERE WITH THE GROWTH OF TURF OR PLANT MATERIAL.
9. ALL CONTRACTORS MUST TAKE PARTICULAR CARE WHEN EXCAVATING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT. ACTUAL FIELD LOCATIONS OF ALL EXISTING UTILITIES ARE THE CONTRACTORS RESPONSIBILITY AND MUST BE LOCATED EITHER BY THE REPRESENTATIVE OF THE UTILITY COMPANY OR BY A PRIVATE UNDERGROUND UTILITY LOCATING COMPANY PRIOR TO THE START OF DEMOLITION ACTIVITIES.
10. SAW CUT THE EDGES OF PAVED AREAS CLEAN, NEAT AND TRUE TO LINE SO NO UNWANTED CHIPPING OR BREAKING OF EXISTING PAVEMENT TO REMAIN WILL OCCUR.
11. UNLESS EXISTING FULL-DEPTH JOINTS COINCIDE WITH LINE OF DEMOLITION, NEATLY SAW-CUT ALONG LINE OF EXISTING PAVEMENT TO REMAIN BEFORE REMOVING ADJACENT EXISTING PAVEMENT. SAW-CUT FACES VERTICALLY.
12. DO NOT ALLOW MATERIALS AND DEBRIS GENERATED BY DEMOLITION TO ACCUMULATE ON THE JOB SITE FOR MORE THAN 48 HOURS. REMOVE AND DISPOSE OF IN A LEGAL MANNER.
13. GRIND DOWN STUMPS AND REMOVE ROOTS, OBSTRUCTIONS, AND DEBRIS TO A DEPTH OF 18 INCHES BELOW EXPOSED SUBGRADE.
14. FILL DEPRESSIONS CAUSED BY CLEARING AND GRUBBING OPERATIONS WITH SATISFACTORY SOIL MATERIAL UNLESS FURTHER EXCAVATION OR EARTHWORK IS INDICATED.
15. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT EACH DAY AND REMOVE ALL MUD, DIRT, GRAVEL AND LOOSE MATERIALS TRACKED, DUMPED, SPILLED OR WIND BLOWN FROM THIS SITE ONTO OTHER SITES, RIGHT OF WAYS, PUBLIC OR PRIVATE STREETS OR ROADS, DRIVEWAYS, YARDS OR SIDEWALKS. THE CONTRACTOR MUST CLEAN OR PICK UP DAILY IF NECESSARY. THE CONTRACTOR SHALL REDUCE THE AIRBORNE DUST DURING THE ENTIRE DEMOLITION SCHEDULE. WATER MAY BE USED AS A REDUCER.
16. THE CONTRACTOR SHALL DOCUMENT THE FINAL DISPOSITION OF ALL MATERIALS REMOVED FROM THE SITE.
17. DEMOLITION ITEMS INCLUDE BUT ARE NOT LIMITED TO DEMOLITION ITEMS INDICATED ON THESE DRAWINGS. IT IS THE CONTRACTORS RESPONSIBILITY TO REMOVE OR RELOCATE ITEMS WHICH INTERFERE WITH NEW CONSTRUCTION.

SITE LAYOUT

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS. IF ANY DISCREPANCIES ARE FOUND IN THESE PLANS FROM THE ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
2. DO NOT LOCATE OR STAKE BUILDING FROM SITE/CIVIL PLANS. USE ARCHITECTURAL AND STRUCTURAL PLANS. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, EXIT PORCHES, TRUCK DOCK, BUILDING DIMENSIONS AND BUILDING UTILITY ENTRANCE LOCATIONS.
3. DIMENSIONS SHOWN ARE TO FACE OF CURB AND TO FACE OF BUILDING UNLESS NOTED OTHERWISE.
4. RADII NOT DIMENSIONED ARE TO BE 5'.
5. ALL PROPOSED SPOT ELEVATIONS ARE THE FINAL PAVEMENT AND FINAL GRADE ELEVATIONS.
6. REFER TO APPROPRIATE SITE DETAILS TO DETERMINE SUBGRADE ELEVATIONS BELOW FINISH GRADE ELEVATIONS INDICATED.
7. TAPER CURB HEIGHT TO 1" IN FINAL 2' OF ALL CURB ENDINGS.
8. EXACT LOCATION OF SIGNS TO BE COORDINATED WITH OWNER AND APPROVED PRIOR TO INSTALLATION.
9. SITE BOUNDARY, TOPOGRAPHY, UTILITY, STRUCTURES AND ROAD INFORMATION TAKEN FROM A SURVEY PREPARED BY DEBOY LAND DEVELOPMENT SERVICES DATED DECEMBER 13, 2019
10. FIRST FLOOR ACTUAL ELEVATION 932.00' SHOWN ON SITE AND UTILITY DRAWINGS = 100'-0" ASSUMED ON STRUCTURAL AND ARCHITECTURAL DRAWINGS.

GRADING AND EARTHWORK

1. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES TO LOCATE MAINS, CONDUITS, SERVICE LINES, ETC. IN THE AFFECTED CONSTRUCTION AREA. EXISTING UTILITY STRUCTURES ARE SHOWN IN ACCORDANCE WITH AVAILABLE INFORMATION. THE LOCATION AND PROTECTION OF UTILITY STRUCTURES, THEIR SUPPORT AND MAINTENANCE DURING CONSTRUCTION (IN COOPERATION WITH THE APPLICABLE UTILITY COMPANY) IS THE RESPONSIBILITY OF THE CONTRACTOR.
2. ALL CONSTRUCTION METHODS AND MATERIALS MUST CONFORM TO CURRENT STANDARDS AND SPECIFICATIONS OF THE FEDERAL, STATE, COUNTY, CITY OR LOCAL REQUIREMENTS, WHICHEVER HAS JURISDICTION.
3. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT, AND OTHER HAZARDS CREATED BY EARTH MOVING OPERATIONS.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACQUAINT HIMSELF WITH SUBSOIL CONDITIONS PRIOR TO BIDDING.
5. CONTRACTOR SHALL VERIFY WITH OWNER EXACT LOCATION AND DEPTH OF ALL PRIVATE/OWNER INSTALLED UTILITIES PRIOR TO CONSTRUCTION.
6. DETERMINE LOCATION OF UNDERGROUND UTILITIES AND PERFORM WORK IN A MANNER WHICH WILL AVOID POSSIBLE DAMAGE. HAND EXCAVATE AS REQUIRED.
7. THE EXCAVATING CONTRACTOR MUST TAKE PARTICULAR CARE WHEN EXCAVATING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVER REQUIREMENTS BY UTILITY CONTRACTOR AND/OR UTILITY COMPANIES SO AS NOT TO CAUSE DAMAGE.
8. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS BEFORE CONSTRUCTION IS TO START, TO VERIFY IF ANY UTILITIES ARE PRESENT ON SITE. ALL VERIFICATIONS (LOCATIONS, SIZE AND DEPTH) SHALL BE MADE BY THE APPROPRIATE UTILITY COMPANIES. WHEN EXCAVATING AROUND OR OVER EXISTING UTILITIES, THE CONTRACTOR MUST NOTIFY THE UTILITY COMPANY SO A REPRESENTATIVE OF THAT UTILITY COMPANY CAN BE PRESENT TO INSTRUCT AND OBSERVE DURING CONSTRUCTION.
9. EXCAVATE TO SUBGRADE ELEVATIONS REGARDLESS OF THE CHARACTER OF SURFACE AND SUBSURFACE CONDITIONS ENCOUNTERED. UNCLASSIFIED EXCAVATED MATERIALS MAY INCLUDE ROCK, SOIL MATERIALS, AND OBSTRUCTIONS.
10. PREVENT SURFACE WATER AND GROUND WATER FROM ENTERING EXCAVATIONS, FROM PONDING ON PREPARED SUBGRADES, AND FROM FLOODING THE PROJECT SITE AND SURROUNDING AREA. REROUTE SURFACE WATER RUNOFF AWAY FROM EXCAVATED AREAS. DO NOT ALLOW WATER TO ACCUMULATE IN EXCAVATIONS. DO NOT USE EXCAVATED TRENCHES AS TEMPORARY DRAINAGE DITCHES.
11. STOCKPILE BULK MATERIALS AWAY FROM EDGE OF EXCAVATIONS WITHOUT INTERMIXING WITH SUBSOIL. GRADE AND SHAPE STOCKPILES TO DRAIN SURFACE WATER. COVER TO PREVENT WINDBLOWN DUST AND EROSION BY WATER. DO NOT STORE WITHIN DRIP LINE OF TREES THAT WILL REMAIN.
12. CONTRACTOR SHALL INSTALL ALL SLEEVES/CONDUITS AS REQUIRED BY THE UTILITY COMPANIES. COORDINATE FINAL LOCATIONS WITH THE UTILITY COMPANIES.
13. THE CONTRACTOR SHALL PROVIDE AT LEAST 18"' OF COVER OVER ALL STORM SEWERS, UNLESS OTHERWISE INDICATED BY PLANS.
14. PROVIDE COMPACTED "B" BORROW BACKFILL OVER ALL UTILITIES IN PAVED AREAS.
15. PROVIDE A SMOOTH TRANSITION BETWEEN ADJACENT EXISTING GRADES AND NEW GRADES.
16. MAINTAIN GRADE STAKES SET BY OTHERS UNTIL REMOVAL IS MUTUALLY AGREED UPON BY PARTIES CONCERNED.
17. ALL EXISTING MANHOLE AND CATCH BASIN CASTINGS, WATER OR GAS VALVE BOXES SHALL BE ADJUSTED TO NEW FINISH GRADE ELEVATION.
18. PROVIDE POSITIVE DRAINAGE WITHOUT PONDING, IN ALL AREAS. AFTER INSTALLATION, CONTRACTOR TO TEST FOR, AND CORRECT, IF ANY, "BIRD BATH" CONDITIONS.
19. MAXIMUM LAWN SLOPE IS 3:1.
20. DURING FINISH GRADING, ELIMINATE RILLS AND GULLIES. REMOVE ALL STONES, RUBBLE, STICKS, WIRE, PLANT MASS AND DEBRIS OVER 1 INCH IN ANY DIMENSION, AS WELL AS OBVIOUS QUANTITIES OF SMALL STONE.
21. REPAIR AND REESTABLISH GRADES TO SPECIFIED TOLERANCES WHERE COMPLETED OR PARTIALLY COMPLETED SURFACES BECOME ERODED, RUTTED, SETTLED, OR WHERE COMPACTION IS LOST DUE TO SUBSEQUENT CONSTRUCTION OPERATIONS OR WEATHER CONDITIONS.
22. ADD ADDITIONAL TOPSOIL AND GRADE AS NECESSARY IN AREAS OF SETTLEMENT AND EROSION, AND AS REQUIRED TO MEET FINISH GRADE.

EROSION CONTROL

1. ALL EROSION CONTROL PLANNING AND IMPLEMENTATION OF PROTECTIVE MEASURES SHALL BE IN ACCORDANCE WITH THE STANDARDS AND PROCEDURES OUTLINED IN THE IDEM "INDIANA STORM WATER QUALITY MANUAL".
2. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE AND REPAIR OF ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES DURING EARTHMOVING OPERATIONS.
3. DURING CONSTRUCTION KEEP PAVEMENTS AND SIDEWALKS CLEAN AND WORK AREAS IN AN ORDERLY CONDITION. CLEAN WHEELS OF VEHICLES BEFORE LEAVING SITE TO AVOID TRACKING SOIL ONTO ROADS, WALKS, OR OTHER PAVED AREAS.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTROL AND LIMIT THE TRACKING OF SILT AND SEDIMENT OFFSITE. THE CONTRACTOR SHALL BROOM AND COLLECT TRACKED SILT AND SEDIMENT IMMEDIATELY UPON DISCOVERY THE MATERIAL.
5. DO NOT COMMENCE SITE CLEARING OR EARTH MOVING OPERATIONS UNTIL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES ARE IN PLACE.
6. DUST CONTROL IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL INCLUDE CONSTANT AND REPETITIVE APPLICATION OF WATERING AND STREET SWEEPING.
7. THE CONTRACTOR SHALL TEMPORARILY SEED ALL DISTURBED AREAS PLANNED FOR A PERIOD OF INACTIVITY EXCEEDING 15 DAYS.

SITE UTILITIES

1. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE ENGINEER MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE ENGINEER FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE ENGINEER DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION MADE AVAILABLE. THE ENGINEER HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
2. CONTRACTOR SHALL VERIFY EXISTING STORM SEWER AND SANITARY SEWER CONDITIONS, LOCATION AND DEPTH PRIOR TO ANY OTHER SITE CONSTRUCTION TO ENSURE THAT THE NEW SEWERS CAN BE CONSTRUCTED AS SHOWN ON THESE PLANS. REPORT ANY DISCREPANCIES TO THE ENGINEER.
3. CONSTRUCTION OF ALL STORM AND SANITARY SEWER LINES AND STRUCTURES SHALL BE IN ACCORDANCE WITH LOCAL AND STATE CODES, RULES AND REGULATIONS.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY AND COORDINATE CONSTRUCTION WITH ALL RESPECTIVE UTILITIES.
5. EXISTING UTILITY STRUCTURES ARE SHOWN IN ACCORDANCE WITH AVAILABLE INFORMATION. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES TO LOCATE MAINS, CONDUITS, SERVICE LINES, ETC. IN THE AFFECTED CONSTRUCTION AREA. THE LOCATION AND PROTECTION OF UTILITY STRUCTURES, THEIR SUPPORT AND MAINTENANCE DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR.
6. CONTRACTOR SHALL INSTALL ALL SLEEVES/CONDUITS AS REQUIRED BY THE UTILITY COMPANIES. COORDINATE FINAL LOCATIONS WITH THE UTILITY COMPANIES. CONTRACTOR SHALL SLEEVE ALL PIPING AT FOOTINGS AND BELOW GRADE WALLS. SLEEVES SHALL BE WATER TIGHT. COORDINATE ALL WALL PENETRATIONS WITH STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING PLANS.
7. CONTRACTOR SHALL VERIFY WITH OWNER THE EXACT LOCATION AND DEPTH OF ALL PRIVATE/OWNER-INSTALLED UTILITIES PRIOR TO CONSTRUCTION.
8. CONTRACTORS SHALL CONSULT ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL PLANS FOR INVERT ELEVATIONS AND EXACT LOCATION OF DOWNSPOUTS, WATER LINES, STORM LINES, SANITARY LINES, GAS LINES, ELECTRICAL LINES, TELECOM LINES, TRANSFORMER PADS OR POLES, ETC.
9. ALL SITE WATER SERVICE LINES, SANITARY SEWER SERVICE LINES AND STORM SEWER LINES END 5' OUTSIDE THE BUILDING LINE.
10. SEE PLUMBING DRAWINGS FOR CONTINUATION OF WATER PIPING, SANITARY SEWER AND STORM SEWER INTO THE BUILDING.
11. SEE SITE ELECTRICAL PLANS FOR SITE LIGHTING, POWER AND TELECOM.
12. INSTALL PIPING BEGINNING AT LOW POINT, TRUE TO GRADES AND ALIGNMENT INDICATED WITH UNBROKEN CONTINUITY OF INVERT. PLACE BELL ENDS OF PIPING FACING UPSTREAM. INSTALL GASKETS, SEALS, SLEEVES, AND COUPLINGS ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS. REFER TO MANUFACTURER'S WRITTEN INSTRUCTIONS FOR USE OF LUBRICANTS, CEMENTS, AND OTHER INSTALLATION REQUIREMENTS.
13. INSTALL MANHOLES FOR CHANGES IN DIRECTION UNLESS FITTINGS ARE INDICATED. USE FITTINGS FOR BRANCH CONNECTIONS UNLESS DIRECT TAP INTO EXISTING SEWER IS INDICATED.
14. PVC AND HDPE STORM SEWER PIPE TO BE INSTALLED ONLY AT LOCATIONS INDICATED AND SHALL NOT BE SUBSTITUTED FOR LOCATIONS WHERE RCP PIPE IS SPECIFIED.
15. THE CONTRACTOR SHALL PROVIDE AT LEAST 18" OF COVER OVER ALL STORM SEWERS, UNLESS OTHERWISE INDICATED BY PLANS.
16. WATER LINES AND FIRE PROTECTION LINES SHALL BE INSTALLED WITH A MINIMUM BURY OF 5'-0" OR AS PER LOCAL UTILITY COMPANY REQUIREMENTS.
17. WHERE WATER LINES AND SEWERS CROSS AND THE WATER LINE CANNOT BE PLACED ABOVE OR BELOW THE SEWER WITH A MINIMUM OF 18" VERTICAL CLEARANCE, THE SEWER MUST BE CONSTRUCTED OF WATER WORKS GRADE DUCTILE IRON PIPE WITH MECHANICAL JOINTS OR PLASTIC PRESSURE (SDR 21) SEWER PIPE WITH GASKETED, COMPRESSION TYPE JOINTS WITHIN 10' OF THE WATER LINE. THE WATER LINES SHALL BE INSTALLED ABOVE THE SEWER WHEREVER POSSIBLE.
18. WHERE WATER LINES AND SEWERS RUN PARALLEL AND A MINIMUM SEPARATION DISTANCE OF 10' CANNOT BE MAINTAINED, THE SEWER MUST BE CONSTRUCTED OF WATER WORKS GRADE DUCTILE IRON PIPE WITH MECHANICAL JOINTS OR PLASTIC PRESSURE SEWER PIPE WITH GASKETED, COMPRESSION TYPE JOINTS.
19. ALL EXISTING MANHOLE AND CATCH BASIN CASTINGS, WATER OR GAS VALVE BOXES SHALL BE ADJUSTED TO NEW FINISH GRADE ELEVATION.
20. ANY STORM DRAIN, FIELD TILE, OR UTILITY ENCOUNTERED DURING CONSTRUCTION SHALL BE RELOCATED AND POSITIVE DRAINAGE MAINTAINED UNLESS OTHERWISE NOTED TO REMAIN. NOTIFY ENGINEER IF ANY DRAINS ARE ENCOUNTERED.
21. ALL PAVEMENT CUT DUE TO UTILITY INSTALLATION, CONSTRUCTION OF CURBS, ETC., OR DAMAGE TO EXISTING PAVEMENT DURING CONSTRUCTION SHALL BE PATCHED WITH A PAVEMENT SECTION WHICH MEETS OR EXCEEDS THE EXISTING SECTION.

LANDSCAPING

1. PRIOR TO CONSTRUCTION, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES & SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY & ALL DAMAGE TO THE UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
2. LANDSCAPE CONTRACTOR TO VERIFY EXISTING FIELD CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.
3. THE PLANT COUNTS INDICATED ON DRAWINGS ARE FOR LANDSCAPE ARCHITECT'S USE ONLY. LANDSCAPE CONTRACTOR SHALL MAKE THEIR OWN PLANT QUANTITY TAKEOFFS USING DRAWINGS, SPECIFICATIONS, AND PLANT SCHEDULE REQUIREMENTS (I.E., SPACING), UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT. CONTRACTOR TO VERIFY BED MEASUREMENTS AND INSTALL APPROPRIATE QUANTITIES AS GOVERNED BY PLANT SPACING PER SCHEDULE. PLANT MATERIAL QUANTITIES SHOWN ON PLAN ARE MINIMUM QUANTITIES. ADDITIONAL MATERIAL MAY BE NEEDED TO MEET SPACING REQUIREMENTS AND FIELD CONDITIONS. IN CASE OF DISCREPANCIES BETWEEN PLAN AND PLANT LIST, THE PLANT LIST SHALL DICTATE. (2)
4. NO SUBSTITUTIONS OF PLANT MATERIAL WILL BE ALLOWED. IF PLANTS ARE SHOWN TO BE UNAVAILABLE, THE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT PRIOR TO BID DATE IN WRITING.
5. DO NOT DUMP OR STORE BULK MATERIALS NEAR STRUCTURES, UTILITIES, WALKWAYS AND PAVEMENTS, OR ON EXISTING TURF AREAS OR PLANTS.
6. PROCEED WITH PLANTING ONLY WHEN EXISTING AND FORECASTED WEATHER CONDITIONS PERMIT PLANTING TO BE PERFORMED WHEN BENEFICIAL AND OPTIMUM RESULTS MAY BE OBTAINED.
7. SUSPEND PLANTING OPERATIONS DURING PERIODS OF EXCESSIVE SOIL MOISTURE UNTIL THE MOISTURE CONTENT REACHES ACCEPTABLE LEVELS TO ATTAIN THE REQUIRED RESULTS.
8. UNIFORMLY MOISTEN EXCESSIVELY DRY SOIL THAT IS NOT WORKABLE OR WHICH IS DUSTY.
9. DURING CONSTRUCTION KEEP PAVEMENTS AND SIDEWALKS CLEAN AND WORK AREA IN AN ORDERLY CONDITION.
10. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES, TREES, SHRUBS, AND PLANTINGS FROM DAMAGE CAUSED BY PLANTING OPERATIONS AND FROM HYDROSEEDING AND HYDROMULCHING OVERSPRAY. PROMPTLY REPAIR ANY DAMAGE CAUSED BY PLANTING OPERATIONS.
11. ESTABLISH TREE PROTECTIONS ZONES AS REQUIRED BY SPECIFICATIONS.
12. EARTHWORK CONTRACTOR SHALL INSTALL 12" OF TOPSOIL IN ALL PROPOSED BED AREAS. CONTRACTOR SHALL COORDINATE QUANTITY AND PLACEMENT OF TOPSOIL. SUBCONTRACTOR SHALL VERIFY DEPTH OF TOPSOIL PRIOR TO PLANT INSTALLATION. REFER TO SPECIFICATIONS FOR TOPSOIL TESTING AND PLACEMENT REQUIREMENTS.
13. RECONDITION SOIL AND SEED/RE-SEED ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES THAT ARE NOT TO RECEIVE OTHER SURFACE TREATMENT (I.E., ASPHALT PAVEMENT, CONCRETE SLAB, PLANTING BED ETC.). ALL DISTURBED LAWN AREAS TO RECEIVE 4" OF TOPSOIL IN ADDITION TO SOIL AMENDMENTS AS PART OF RECONDITIONING.
14. ALL PLANTING AREAS TO RECEIVE 4" MINIMUM OF WASHED RIVER ROCK MULCH (UNLESS OTHERWISE NOTED). (2)
15. ALL DISTURBED AREAS SHALL BE SEEDED/SODDED PER SPECIFICATIONS.
16. ALL GRASS AND/OR LANDSCAPING DISTURBED BY NEW CONSTRUCTION SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.

MAINTENANCE OF TRAFFIC

1. THE MAINTENANCE OF TRAFFIC (MOT) EFFORTS CONDUCTED BY THE CONTRACTOR WILL INCLUDE PROVIDING, MANAGING AND MAINTAINING EQUIPMENT AND PERSONNEL NECESSARY FOR MAINTAINING SAFE TRAFFIC CONDITIONS AT ALL TIMES DURING THE PROJECT. TRAFFIC MAINTENANCE INCLUDES BOTH PROTECTING THE TRAVELING PUBLIC APPROACHING THE SITE AND INCORPORATING SAFE AND EFFICIENT CIRCULATION WITHIN THE CONSTRUCTION AREA.
2. THE CONTRACTOR SHALL FURNISH, ERECT, PLACE AND MAINTAIN TRAFFIC CONTROL SIGNS AND DEVICES DURING THE HOURS OF CONSTRUCTION OPERATIONS AND AT ALL OTHER TIMES IN ACCORDANCE WITH LOCAL AND INDOT STANDARDS. IN ADDITION TO THE LOCAL AND STATE STANDARDS, THE CONTRACTOR SHALL CONSULT THE U.S. DOT, FHA, AND MUTCD REGULATIONS REGARDING THE TYPE AND PLACEMENT OF TRAFFIC CONTROL DEVICES.
3. THE CONTRACTOR SHALL PROVIDE ALL DEVICES NECESSARY AND INSTALL TEMPORARY VEHICLE ROUTES, DETOURS AND RUNAROUNDS TO MAINTAIN THE OWNER'S ONGOING ACTIVITIES. MODIFICATIONS AND TEMPORARY SHUTDOWNS FOR THESE TRAFFIC ROUTES SHALL FIRST BE COORDINATED WITH THE OWNER.
4. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION.
5. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS IF REQUIRED BY OWNER OR AUTHORITIES HAVING JURISDICTION.
6. ALL SIDEWALK CLOSURES REQUIRE A SIGNED ALTERNATIVE ROUTE FOR PEDESTRIANS.
7. ALL REQUIRED COMMUNICATION, PERMITS OR NOTICES NEEDED BY THE LOCAL FIRE, POLICE AND CITY OFFICES WILL REMAIN THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL DETERMINE IF ANY LOCAL ROAD RESTRICTIONS ON WEIGHT OR OTHERWISE EXISTS BEFORE DIRECTING INCOMING AND OUTGOING CONSTRUCTION TRAFFIC.
8. PROMPTLY REMOVE TEMPORARY TRAFFIC CONTROL WHEN SIGNS AND DEVICES NO LONGER SERVE ANY PURPOSE.
9. CONSTRUCTION ONSITE JOB TRAILERS SHALL BE COORDINATED WITH THE OWNER.

LEGEND

SYMBOLS & ABBREVIATIONS

SYMBOL	DESCRIPTION
	INDICATES AREA OF CONCRETE REMOVAL
	INDICATES AREA OF ASPHALT REMOVAL
	PROPOSED ASPHALT
	PROPOSED BUILDING
	NEW CONCRETE PAVEMENT / SIDEWALK
	NEW GRAVEL SURFACE
	AREA TO BE SEEDED/SODDED/LANDSCAPED SEE LANDSCAPE PLAN
	EROSION CONTROL BLANKET
CW	CONCRETE WASHOUT AREA
SF	SILT FENCE
	SEDIMENT BAG
TOR	TOP OF RIM (GUTTER LINE FOR CURB INLETS)
× 728.30	EXISTING SPOT ELEVATION
MEG	MATCH EXISTING GRADE
650.00	PROPOSED SPOT ELEVATION
600.50 TOP OF CURB ELEV. / 600.00 GUTTER ELEV.	PROPOSED SPOT ELEVATION
730	EXISTING CONTOUR W/ ELEVATION
650	PROPOSED CONTOUR W/ ELEVATION
X	EXISTING CHAIN LINK FENCE
X X X	PROPOSED CHAIN LINK FENCE
C.O.	PROPOSED SEWER INLET STRUCTURES AND END SECTIONS
UD	UNDERDRAIN
	PROPOSED STORM
SAN	PROPOSED SANITARY SEWER
FP	PROPOSED FIRE PROTECTION LINE
W	PROPOSED WATER LINE
E	PROPOSED ELECTRIC LINE
G	PROPOSED GAS LINE
	PROPOSED ROOF DRAIN
T	PROPOSED TELEPHONE/DATA LINE
SFM	EXISTING SANITARY FORCE MAIN
GAS	EXISTING GAS LINE
PPP	EXISTING PETROLEUM PRODUCT PIPELINE
STM	EXISTING STORM SEWER
EXW	EXISTING WATER LINE
OHU	EXISTING OVERHEAD UTILITY LINE
CAB	EXISTING FIBER OPTIC CABLE LINE
EL	EXISTING ELECTRICAL LINE
7 / PA	# OF PLANTS REQUIRED / ABBREVIATION FROM PLANT SCHEDULE
	SIGN
	ADA PARKING SYMBOL
BOC	BACK OF CURB
	BENCHMARK
	DECIDUOUS TREE
	CONIFEROUS TREE

NOTE:
SEE TOPOGRAPHIC SURVEY FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS

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BRITTANY N. HEIDENREICH
REGISTERED
No. 11500313
STATE OF INDIANA
PROFESSIONAL ENGINEER

PROJECT MANAGER: BNH
DRAWN BY: HHW
PROJECT NUMBER: 219124.00 / 2019.520
PROJECT ISSUE DATE: 06/05/2020

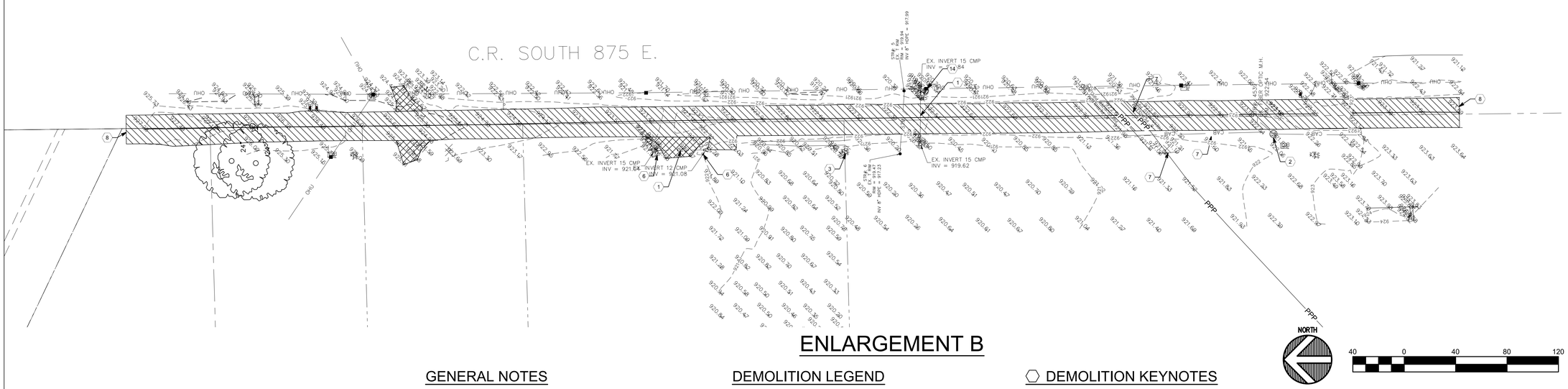
REV. NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 1	06/19/2020
2	ADDENDUM NO. 2	06/29/2020

GENERAL NOTES & LEGENDS

GD0.1

Drawing Path: P:\2019\500\2019-520\CAD\Civil\Active\2 – 2019.520_GD0.1 – General Notes and Legend.dwg
Plotted By: bheidenreichTime of Plot: 6/29/20 – 10:16am Last Edited: 6/24/20 – 5:05pm

ENLARGEMENT A



ENLARGEMENT B

GENERAL NOTES

1. SEE DRAWING GD0.1 FOR GENERAL NOTES AND ADDITIONAL LEGEND.
2. TOPOGRAPHIC CONDITIONS AND EXISTING UTILITIES SHOWN WERE PROVIDED BY THE SURVEYOR. THE ENGINEER MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED.
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DEMOLITION LEGEND

- APPROXIMATE LIMITS OF CONCRETE PAVEMENT REMOVAL
- APPROXIMATE LIMITS OF ASPHALT PAVEMENT REMOVAL
- TREE PROTECTION REQUIRED
- APPROXIMATE LIMITS OF UTILITY LINE REMOVAL

DEMOLITION KEYNOTES

1. REMOVE EXISTING STORM CULVERT PIPE AND RELATED END SECTIONS.
2. ADJUST EXISTING MANHOLE CASTING TO PROPOSED FINISH GRADE.
3. RELOCATE EXISTING FIRE HYDRANT ASSEMBLY, SEE SITE UTILITY PLAN FOR NEW LOCATION.
4. RELOCATE EXISTING POWER/LIGHT POLE, SEE SITE UTILITY PLAN FOR NEW LOCATION.
5. RELOCATE EXISTING SIGN
6. REMOVE EXISTING WOODEN POST.
7. PROTECT EXISTING UNDERGROUND UTILITY TO REMAIN IN PLACE.
8. SAWCUT EXISTING PAVEMENT.
9. REMOVE EXISTING CONCRETE CURB.
10. REPLACE EXISTING CURB INLET CASTING WITH NEENAH R-3472.
11. RELOCATE EXISTING CATCH BASIN.
12. EXISTING STORM STRUCTURE TO BE REMOVED AND REPLACED, SEE SITE UTILITY PLAN.
13. RELOCATE ELECTRICAL PEDESTAL (COORDINATE W/ UTILITY CO.)
14. POWER POLE TO BE RELOCATED 25' NORTH (BY UTILITY CO.) 2
15. REMOVE TREE AND ROOTS (TO 18" BELOW SUBGRADE) 2
16. PROTECT TREE TO REMAIN

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Plotted By: bheidenreichTime of Plot: 6/29/20 - 10:16am Last Edited: 6/29/20 - 8:54am

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STATE OF INDIANA
PROFESSIONAL ENGINEER

PROJECT MANAGER: BNH
DRAWN BY: HHW
PROJECT NUMBER: 219124.00 / 2019.520
PROJECT ISSUE DATE: 06/05/2020

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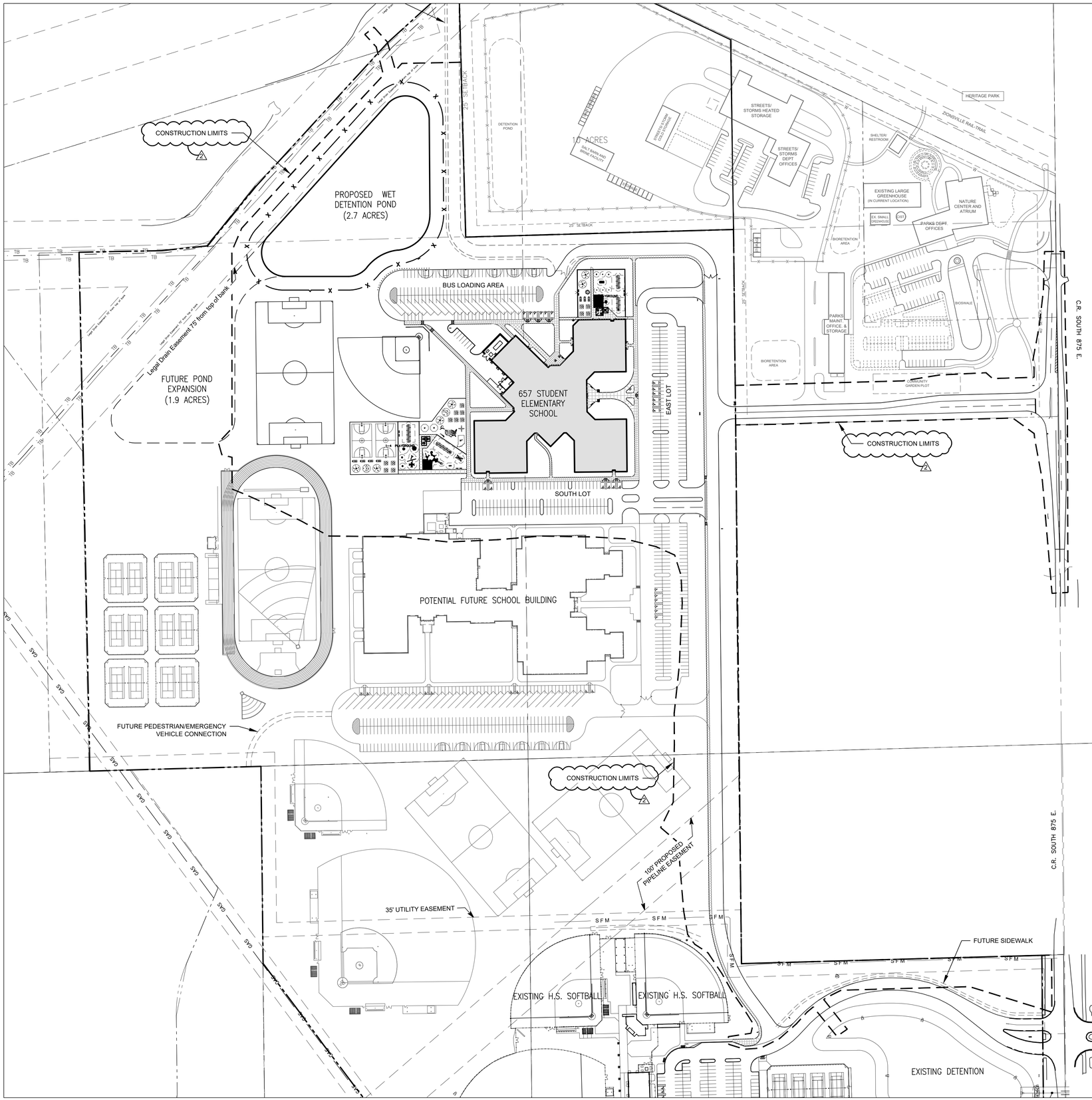
ENLARGED SITE DEMOLITION PLAN

GD1.7

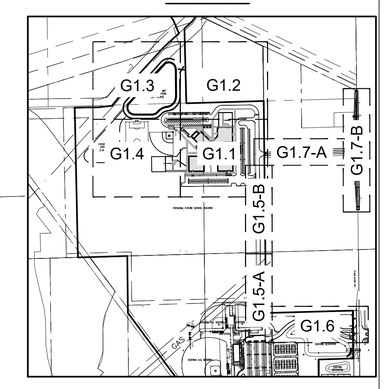


NORTH

120 60 0 120 240 360

PARKING SUMMARY					
	PROPOSED PARKING SPACES				
	EVENT	STANDARD	ADA	TOTAL	BUS
BUS LOADING AREA	149	–	6	155	17
EAST LOT	–	116	6	122	0
SOUTH LOT	–	106	6	112	0
TOTAL PARKING COUNT	149	222	18	389	17

KEYMAP



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REV. NO.	DESCRIPTION	DATE
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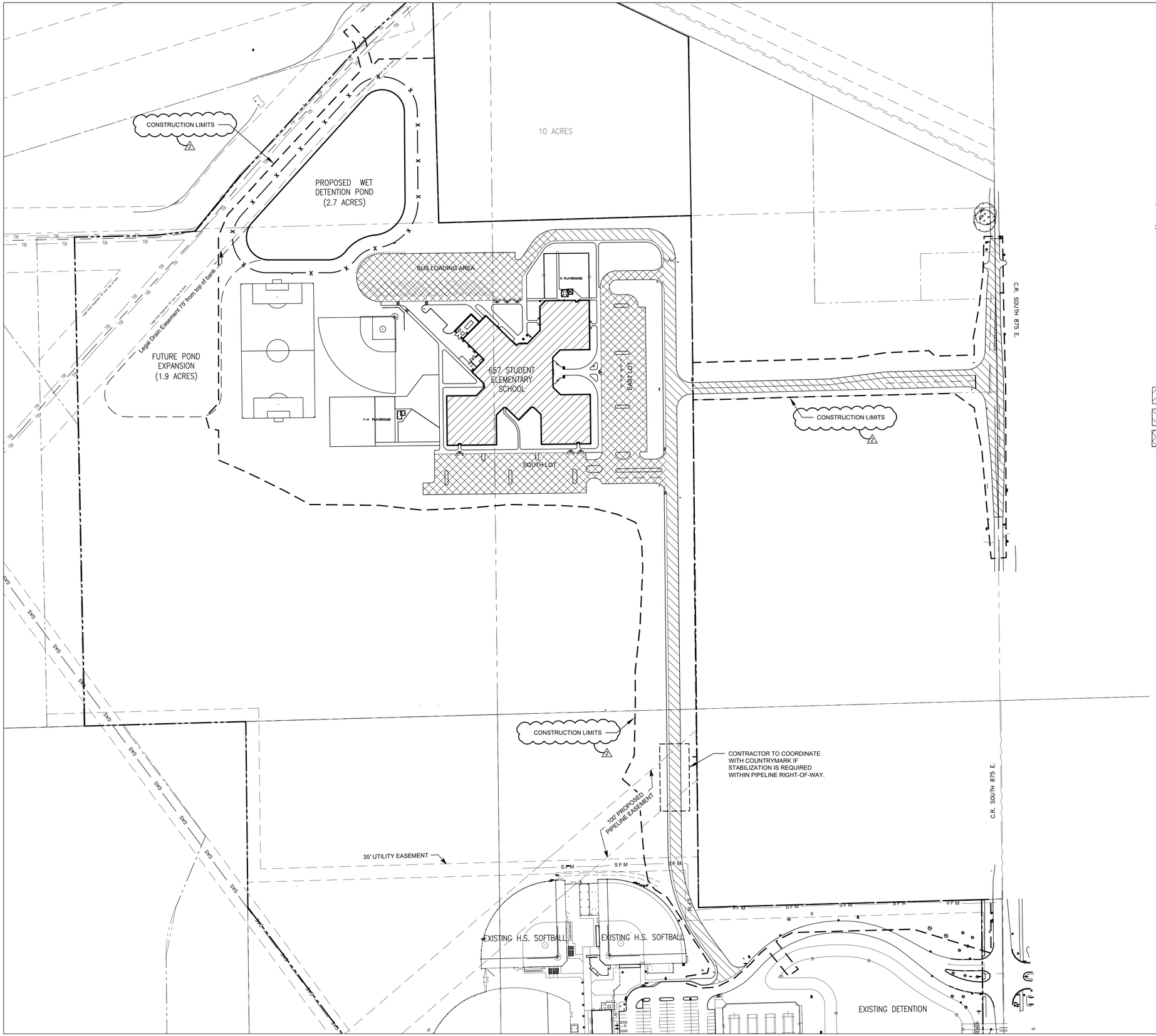
2	ADDENDUM NO. 2	06/29/2020

SITE MASTER PLAN

G1.0

Drawing Path: P:\2019\500\2019-520\CAD\Civil\Active\5 - 2019.520_G1.0 - Site Master Plan.dwg
Plotted By: bheidenreichTime of Plot: 6/29/20 - 10:17am Last Edited: 6/24/20 - 2:53pm



NORTH

120 60 0 120 240 360

GENERAL NOTES

1. SEE DRAWING GD0.1 FOR GENERAL NOTES AND ADDITIONAL LEGEND.
2. SUBGRADE AND BACKFILL COMPACTION TO BE ACCOMPLISHED VIA STANDARD PROOFROLLING OPERATIONS FOR BASE BID. CONTRACTOR TO PROVIDE LUMP SUM COST FOR LIME STABILIZATION. CONTRACTOR SHALL STABILIZE THE EXISTING SOIL AS INDICATED IN THE GEOTECHNICAL REPORT PREPARED BY PATRIOT ENGINEERING AND ENVIRONMENTAL, INC. DATED APRIL 21, 2020. PROVIDE LIME OR LIME KILN DUST PRODUCT AT A 5% INCORPORATED RATE MIX AT A 16" DEPTH. ON-SITE GEOTECHNICAL CONSULTANT TO CONFIRM SOIL CONDITIONS AND PROPERTIES. MATERIALS AND INSTALLATION SHALL CONFORM TO CURRENT INDOT STANDARDS.

LEGEND

- ALTERNATE #1 - LIME STABILIZATION FOR BUILDING PAD
- ALTERNATE #2 - LIME STABILIZATION FOR DRIVES
- ALTERNATE #3 - LIME STABILIZATION FOR PARKING LOTS

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BRITTANY N. HEIDENREICH REGISTERED No. 11500313 STATE OF INDIANA PROFESSIONAL ENGINEER

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DRAWN BY: HHW
PROJECT NUMBER: 219124.00 / 2019.520
PROJECT ISSUE DATE: 06/05/2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 1	06/19/2020
2	ADDENDUM NO. 2	06/29/2020

BID ALTERNATES

G1.0A

Drawing Path: P:\2019\500\2019-520\CAD\Civil\Active\6 - 2019.520_G1.0A - Bid Alternates.dwg
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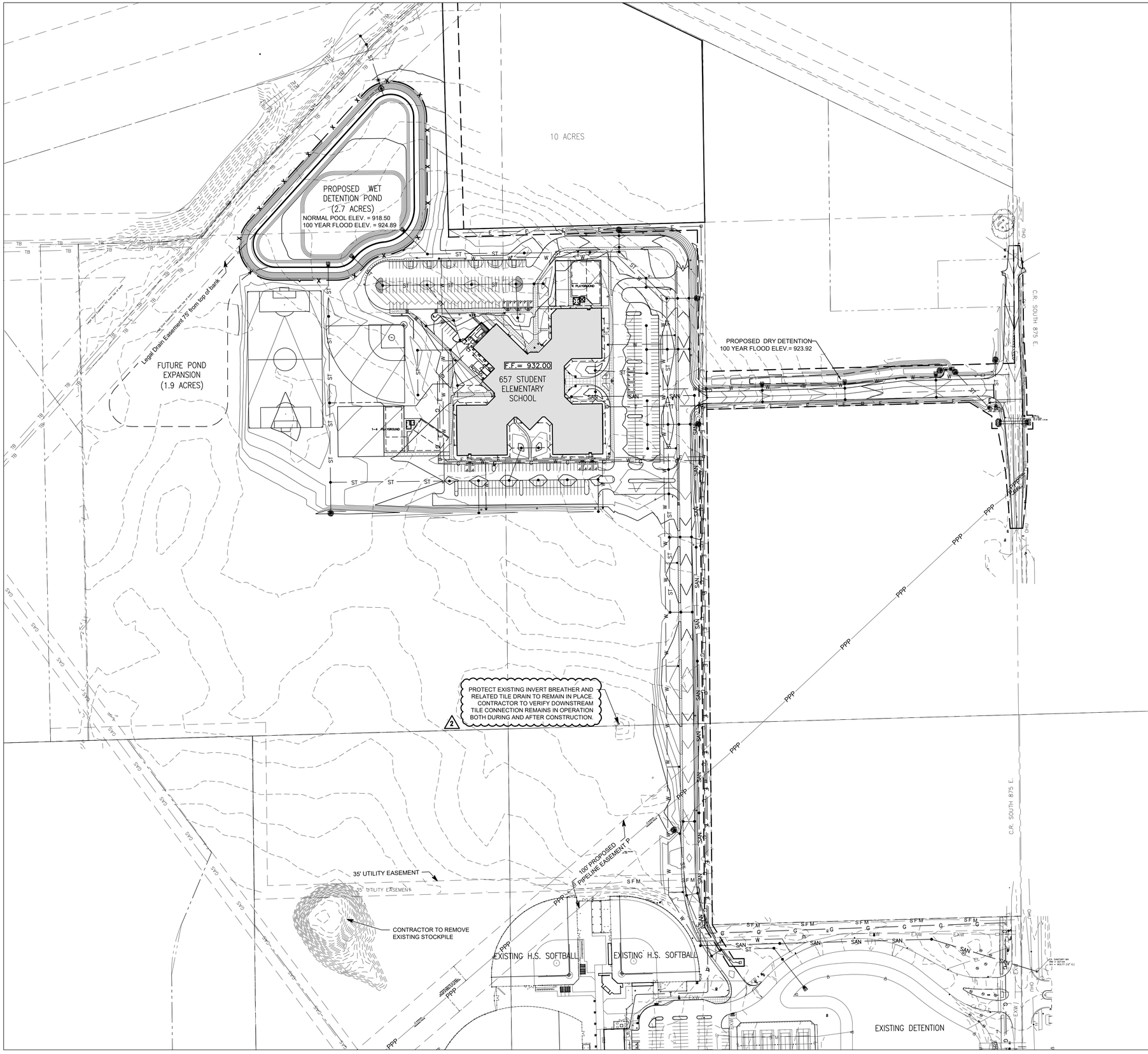

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Plotted By: bheidenreichtime of Plot: 6/29/20 - 10:40am Last Edited: 6/29/20 - 8:57am

NORTH

120 0 120 240 360

GENERAL NOTES

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4. SEE DRAWING SU1.0A FOR STORM SEWER STRUCTURE DATA TABLE.

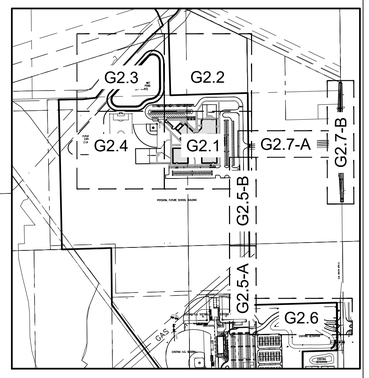
SITE CONTROL AND BENCHMARK

HORIZONTAL AND VERTICAL CONTROL BASED ON INDOT INCORS SYSTEM, INCORPORATES VERTICAL DATUM NGVD88.

GRADING PLAN LEGEND

+728.30	EXISTING SPOT ELEVATION
MEG	MATCH EXISTING GRADE
TC	TOP OF CURB
BC	BOTTOM OF CURB
EP	EDGE OF PAVEMENT
XXX.XX	EXISTING CONTOUR W/ ELEVATION
XXX.XX	PROPOSED CONTOUR W/ ELEVATION
XXX.XX	PROPOSED SPOT ELEVATION
XXX.XX / XXX.XX	PROPOSED CURB ELEVATION

KEYMAP



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REGISTERED No. 11500313 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: BNH
DRAWN BY: HHW
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1	ADDENDUM NO. 1	06/19/2020
2	ADDENDUM NO. 2	06/29/2020

OVERALL GRADING PLAN

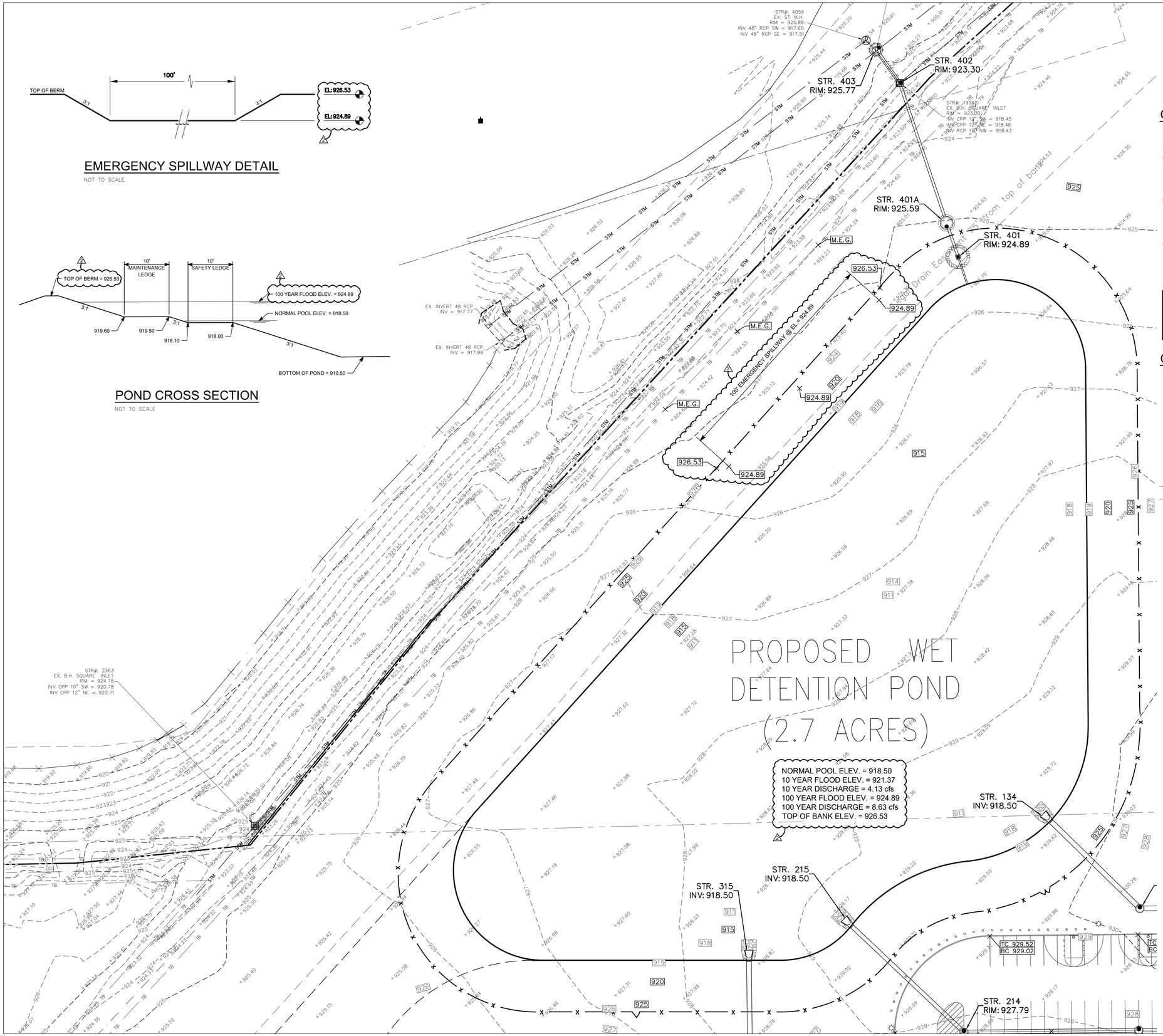
G2.0

EMERGENCY SPILLWAY DETAIL

NOT TO SCALE

POND CROSS SECTION

NOT TO SCALE



NORTH

30 0 30 60 90

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SITE CONTROL AND BENCHMARK

HORIZONTAL AND VERTICAL CONTROL BASED ON INDOT INCORS SYSTEM, INCORPORATES VERTICAL DATUM NGVD88.

GRADING PLAN LEGEND

+723.30	EXISTING SPOT ELEVATION
MEG	MATCH EXISTING GRADE
TC	TOP OF CURB
BC	BOTTOM OF CURB
EP	EDGE OF PAVEMENT
FL	FLOWLINE
730	EXISTING CONTOUR W/ ELEVATION
735	PROPOSED CONTOUR W/ ELEVATION
750.65	PROPOSED SPOT ELEVATION
TC / BC	PROPOSED CURB ELEVATION

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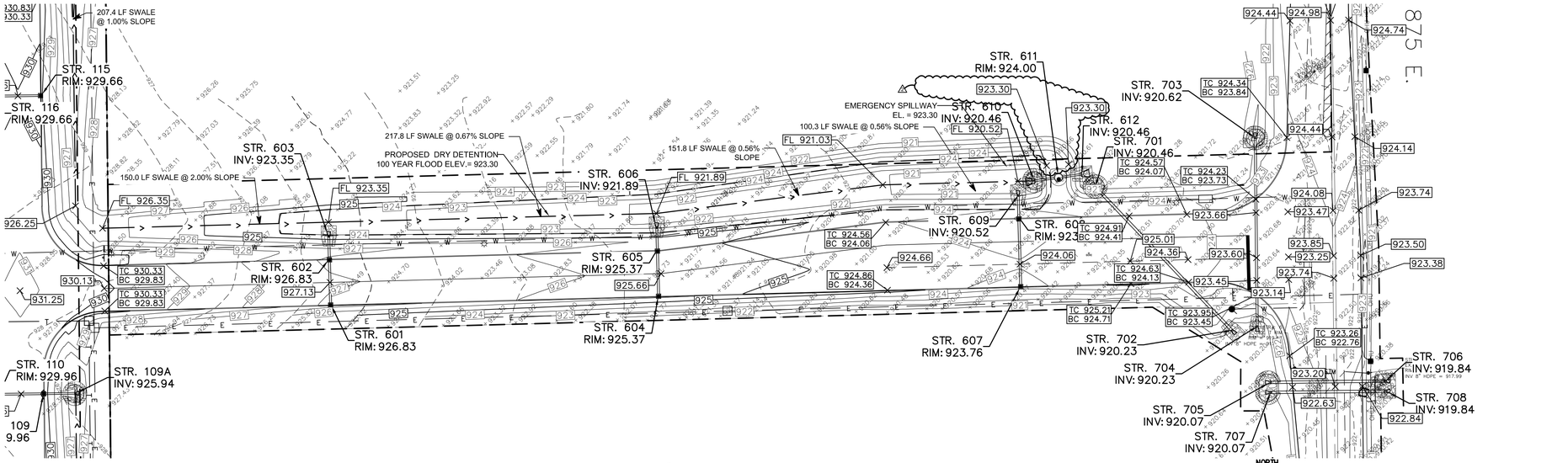
DRAWN BY: HHW
PROJECT NUMBER: 219124.00 / 2019.520
PROJECT ISSUE DATE: 06/05/2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 1	06/19/2020
2	ADDENDUM NO. 2	06/29/2020

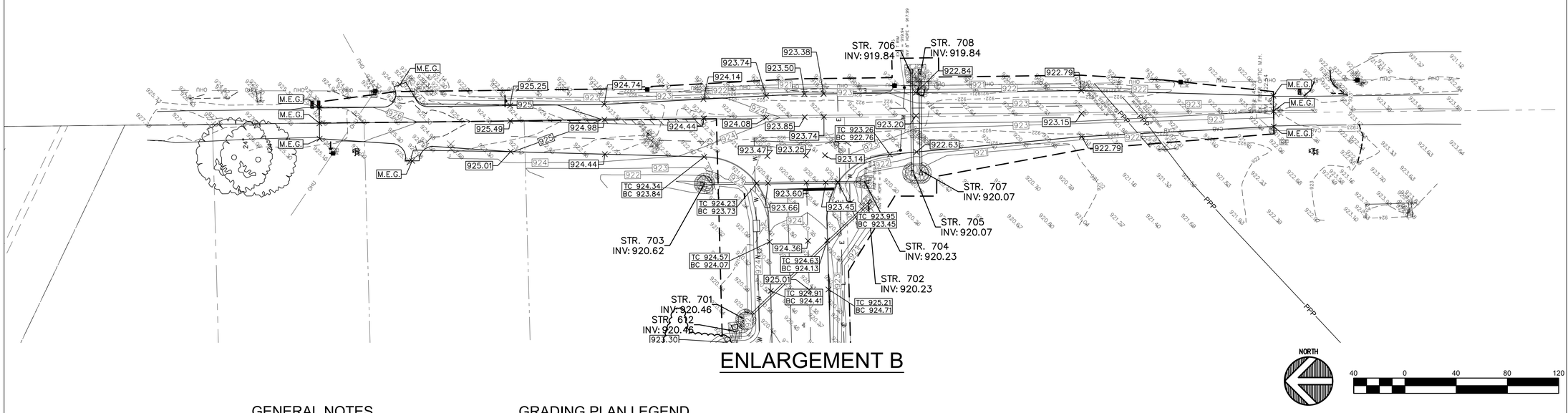
ENLARGED GRADING PLAN

G2.3

Drawing Path: P:\2019\500\2019-520\CAD\Civil\Active\9 - 2019.520_G2.1 TO G2.7 - Enlarged Grading Plan.dwg
Plotted By: bheidenreichTime of Plot: 6/29/20 - 10:41am Last Edited: 6/29/20 - 10:37am



ENLARGEMENT A



ENLARGEMENT B

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4. SEE DRAWING SU1.0A FOR STORM SEWER STRUCTURE DATA TABLE.

GRADING PLAN LEGEND

+728.30	EXISTING SPOT ELEVATION
MEG	MATCH EXISTING GRADE
TC	TOP OF CURB
BC	BOTTOM OF CURB
EP	EDGE OF PAVEMENT
FL	FLOWLINE
730	EXISTING CONTOUR W/ ELEVATION
735	PROPOSED CONTOUR W/ ELEVATION
750.65	PROPOSED SPOT ELEVATION
TC / BC	PROPOSED CURB ELEVATION

SITE CONTROL AND BENCHMARK

HORIZONTAL AND VERTICAL CONTROL BASED ON INDOT INCORS SYSTEM, INCORPORATES VERTICAL DATUM NGVD88.

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Drawing Path: P:\2019\500\2019-520\CAD\Civil\Active\9 - 2019.520_G2.1 TO G2.7 - Enlarged Grading Plan.dwg
Plotted By: bheidenreich Time of Plot: 6/29/20 - 10:18am Last Edited: 6/29/20 - 9:12am

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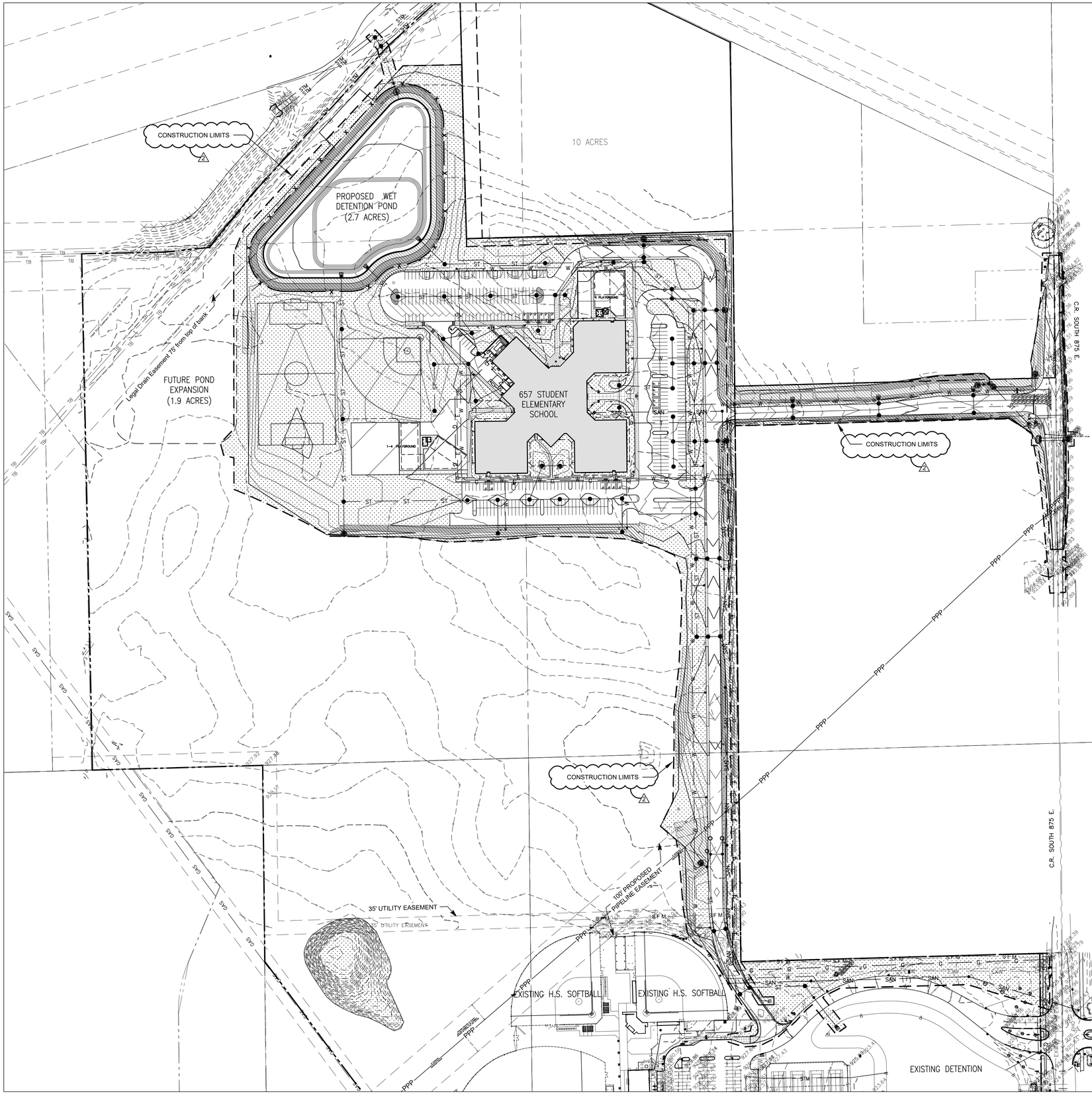
BRIAN H. HEIDENREICH REGISTERED No. 11500313 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: BNH
DRAWN BY: HHW
PROJECT NUMBER: 219124.00 / 2019.520
PROJECT ISSUE DATE: 06/05/2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 1	06/19/2020
2	ADDENDUM NO. 2	06/29/2020

ENLARGED GRADING PLAN

G2.7



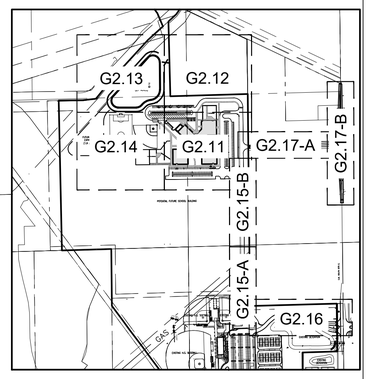
NORTH

120 0 120 240 260

GENERAL NOTES

1. SEE DRAWING GD0.1 FOR GENERAL NOTES AND ADDITIONAL LEGEND.
2. SEE DRAWINGS G2.11 TO G2.17 FOR EROSION CONTROL REQUIREMENTS.
3. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY THE INSPECTOR.

KEYMAP



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BRITTANY N. HEDINGER REGISTERED No. 11500313 STATE OF INDIANA PROFESSIONAL ENGINEER

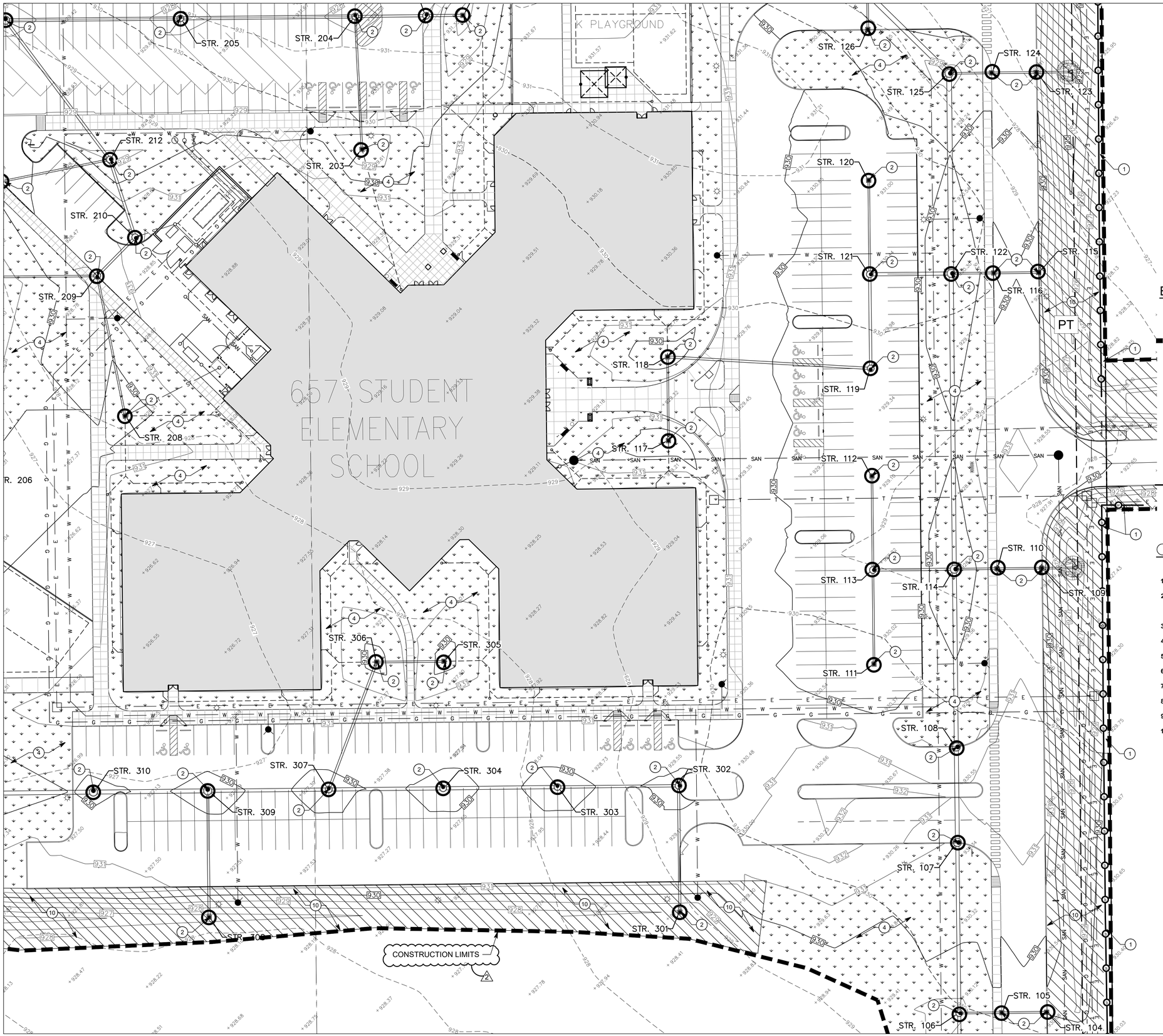
PROJECT MANAGER: BNH
DRAWN BY: HHW
PROJECT NUMBER: 219124.00 / 2019.520
PROJECT ISSUE DATE: 06/05/2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 1	06/19/2020
2	ADDENDUM NO. 2	06/29/2020

OVERALL EROSION CONTROL PLAN

G2.10

Drawing Path: P:\2019\500\2019-520\CAD\Civil\Active\10 - 2019.520_G2.10 - Overall Erosion Control Plan.dwg
Plotted By: bheidenreichTime of Plot: 6/29/20 - 10:19am Last Edited: 6/26/20 - 2:32pm



GENERAL NOTES

1. SEE DRAWING GD0.1 FOR GENERAL NOTES AND ADDITIONAL LEGEND.
2. SEE DRAWING G2.21 FOR EROSION CONTROL DETAILS.
3. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY THE INSPECTOR.
4. DURING CONSTRUCTION KEEP PAVEMENT AND SIDEWALKS CLEAN AND WORK AREAS IN AN ORDERLY CONDITION. CLEAN WHEELS OF VEHICLES BEFORE LEAVING SITE TO AVOID TRACKING SOIL ONTO ROADS OR OTHER PAVED AREAS.

EROSION CONTROL LEGEND

- INLET SEDIMENT PROTECTION
- APPROXIMATE LIMITS OF CONSTRUCTION
- APPROXIMATE LIMITS OF TEMPORARY SEEDING
- EROSION CONTROL BLANKET
- CW — INDICATES LOCATION OF CONCRETE WASHOUT
- PT — INDICATES LOCATION OF PORTABLE TOILETS
- SILT FENCE

EROSION CONTROL KEYNOTES

1. **SILT FENCE - SEE DETAIL B/G2.21**
2. **INLET SEDIMENT PROTECTION IN PAVED AREAS PER DETAIL D/G2.21 & G/G2.21, INLET SEDIMENT PROTECTION IN NON-PAVED AREAS PER DETAIL K/G2.21**
3. **CONSTRUCTION ENTRANCE DRIVE - SEE DETAIL A/G2.21**
4. **SEED DISTURBED AREAS PER LANDSCAPE PLAN**
5. **PORTABLE TOILET - ANCHOR TO PREVENT SPILLS**
6. **RIPRAP AT AREA OF END SECTION - SEE DETAIL L/G2.21**
7. **ROCK DONUT - SEE DETAIL H/G2.21**
8. **CONCRETE WASHOUT - SEE DETAIL C/G2.21**
9. **SWPPP INFORMATION BOARD**
10. **EROSION CONTROL BLANKET - SEE DETAILS F/G2.21 & M/G2.21**

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PROFESSIONAL ENGINEER

PROJECT MANAGER: BNH
DRAWN BY: HHW
PROJECT NUMBER: 219124.00 / 2019.520
PROJECT ISSUE DATE: 06/05/2020

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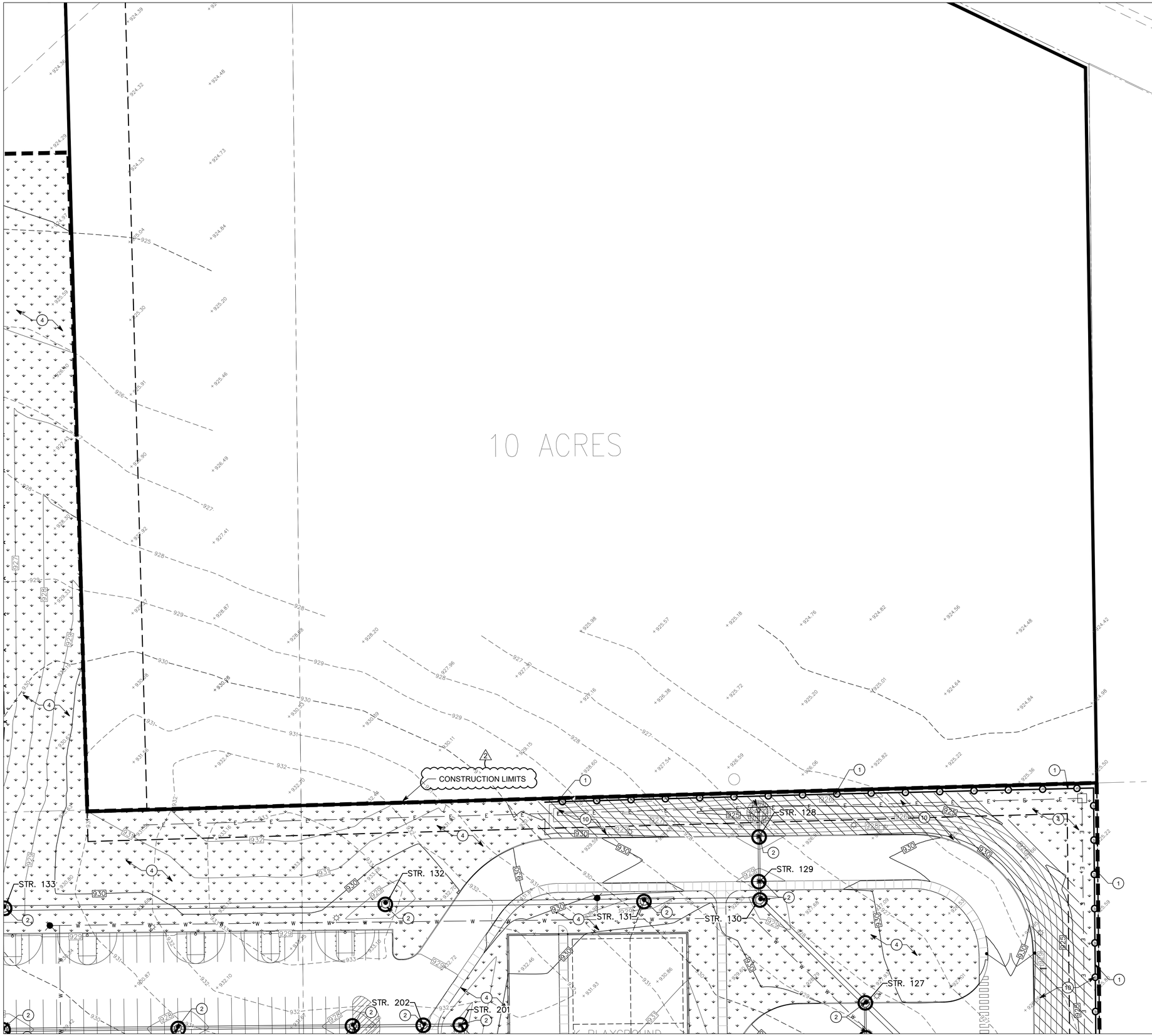
ENLARGED EROSION CONTROL PLAN

G2.11

Drawing Path: P:\2019\520\2019-520\CAD\Civil\Active\11 - 2019.520_G2.11 TO G2.17 - Enlarged Erosion Control Plan.dwg
Plotted By: bheidenreichTime of Plot: 6/29/20 - 10:19am Last Edited: 6/29/20 - 9:25am



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Plotted By: bheidenreichtime at Plot: 6/29/20 - 10:19am Last Edited: 6/29/20 - 9:25am

NORTH

30 0 30 60 90

GENERAL NOTES

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2. SEE DRAWING G2.21 FOR EROSION CONTROL DETAILS.
3. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY THE INSPECTOR.
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EROSION CONTROL LEGEND

- INLET SEDIMENT PROTECTION
- APPROXIMATE LIMITS OF CONSTRUCTION
- APPROXIMATE LIMITS OF TEMPORARY SEEDING
- EROSION CONTROL BLANKET
- CW — INDICATES LOCATION OF CONCRETE WASHOUT
- PT — INDICATES LOCATION OF PORTABLE TOILETS
- SILT FENCE

EROSION CONTROL KEYNOTES

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2. **INLET SEDIMENT PROTECTION IN PAVED AREAS PER DETAIL D/G2.21 & G/G2.21, INLET SEDIMENT PROTECTION IN NON-PAVED AREAS PER DETAIL K/G2.21**
3. **CONSTRUCTION ENTRANCE DRIVE - SEE DETAIL A/G2.21**
4. **SEED DISTURBED AREAS PER LANDSCAPE PLAN**
5. **PORTABLE TOILET - ANCHOR TO PREVENT SPILLS**
6. **RIPRAP AT AREA OF END SECTION - SEE DETAIL L/G2.21**
7. **ROCK DONUT - SEE DETAIL H/G2.21**
8. **CONCRETE WASHOUT - SEE DETAIL C/G2.21**
9. **SWPPP INFORMATION BOARD**
10. **EROSION CONTROL BLANKET - SEE DETAILS F/G2.21 & M/G2.21**

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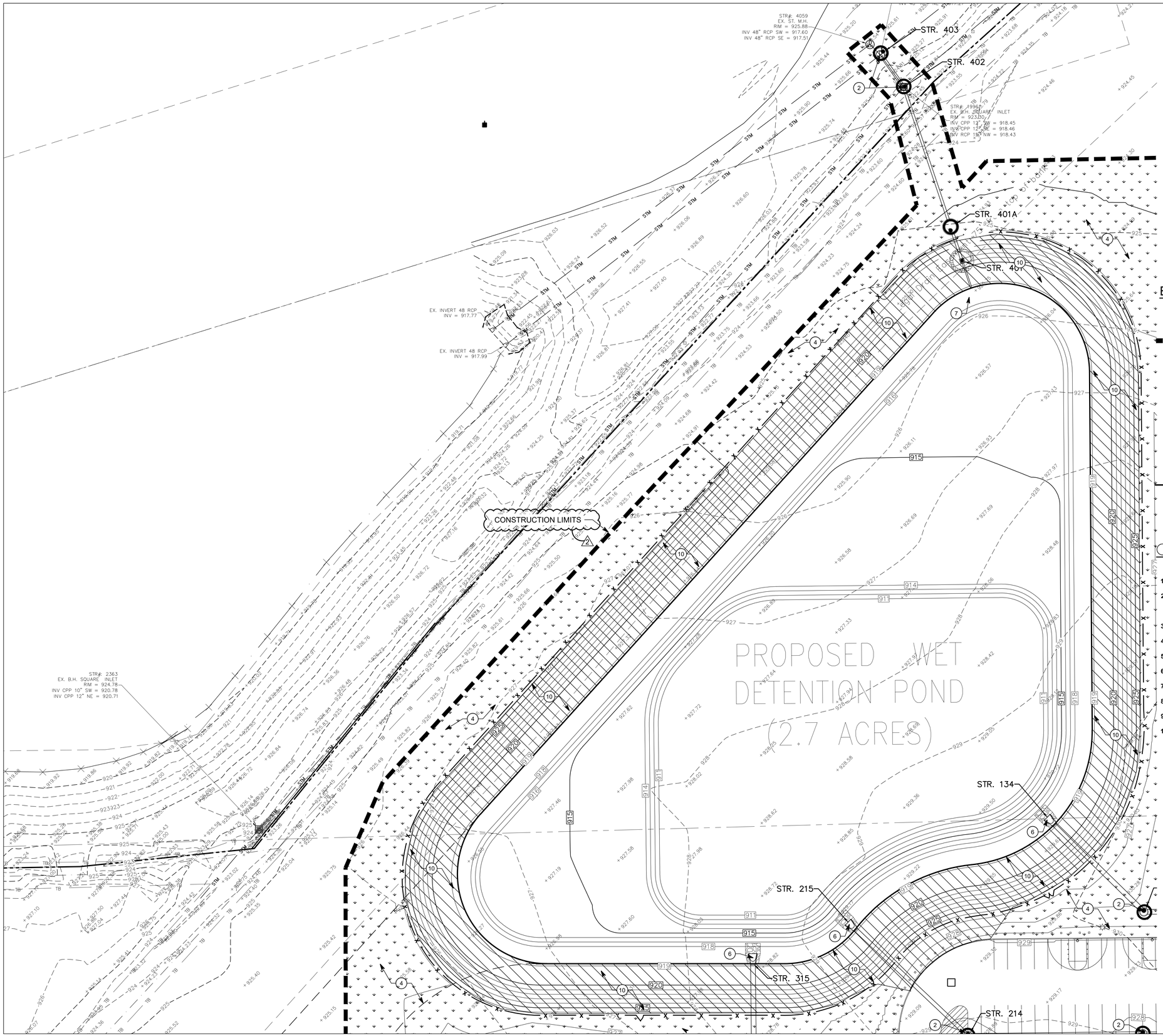
BRITANY N. HEIDENREICH
REGISTERED
No. 11500313
STATE OF INDIANA
PROFESSIONAL ENGINEER

PROJECT MANAGER: BNH
DRAWN BY: HHW
PROJECT NUMBER: 219124.00 / 2019.520
PROJECT ISSUE DATE: 06/05/2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 1	06/19/2020
2	ADDENDUM NO. 2	06/29/2020

ENLARGED EROSION CONTROL PLAN

G2.12



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10. **EROSION CONTROL BLANKET - SEE DETAILS F/G2.21 & M/G2.21**

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ENLARGED EROSION CONTROL PLAN

G2.13

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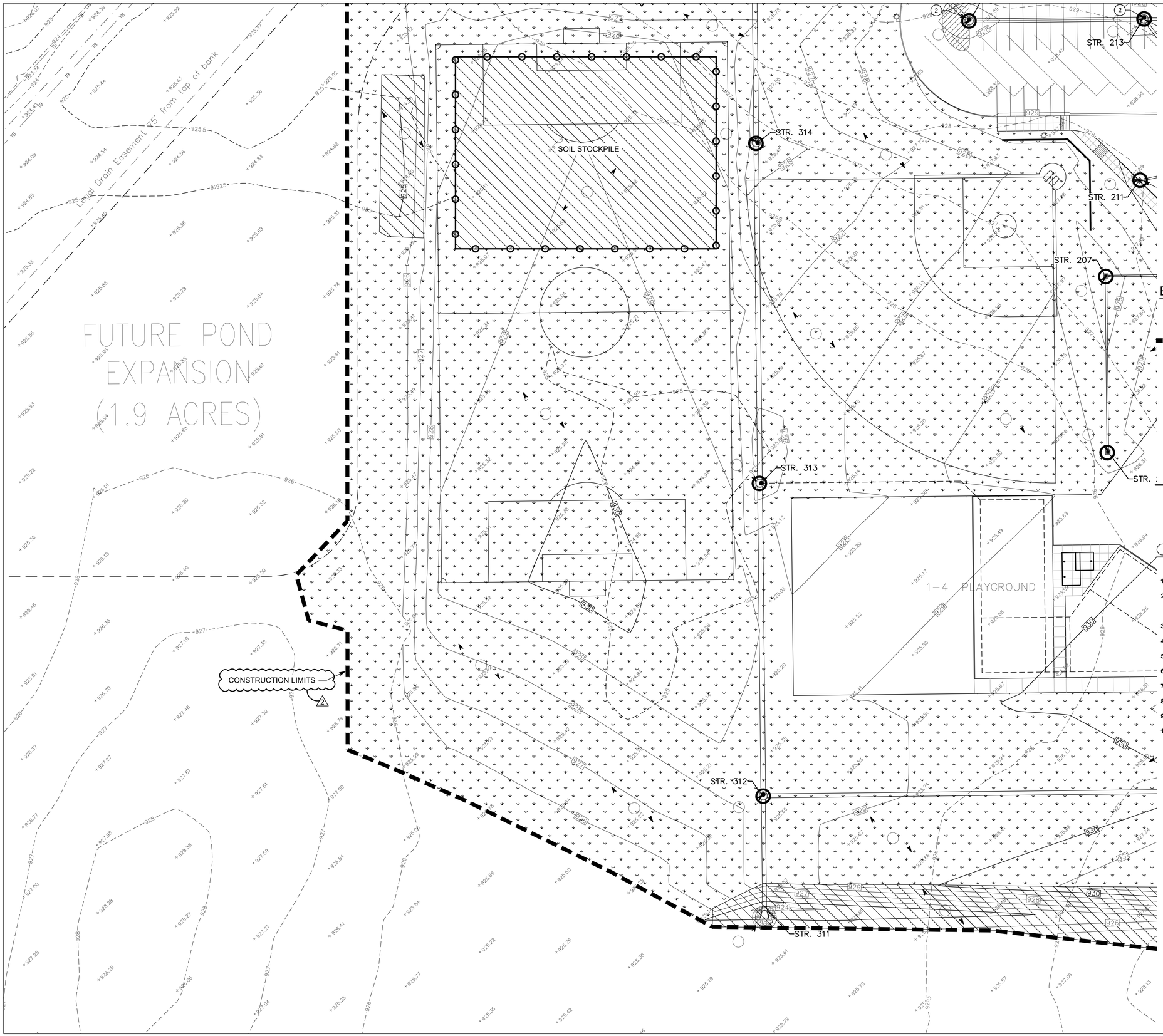
Plotted By: bheidenreichTime of Plot: 6/29/20 - 10:20am Last Edited: 6/29/20 - 9:25am



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NORTH

30 0 30 60 90

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2. SEE DRAWING G2.21 FOR EROSION CONTROL DETAILS.
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- CW — INDICATES LOCATION OF CONCRETE WASHOUT
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- SILT FENCE

EROSION CONTROL KEYNOTES

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9. **SWPPP INFORMATION BOARD**
10. **EROSION CONTROL BLANKET - SEE DETAILS F/G2.21 & M/G2.21**

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PROFESSIONAL ENGINEER

PROJECT MANAGER: BNH
DRAWN BY: HHW
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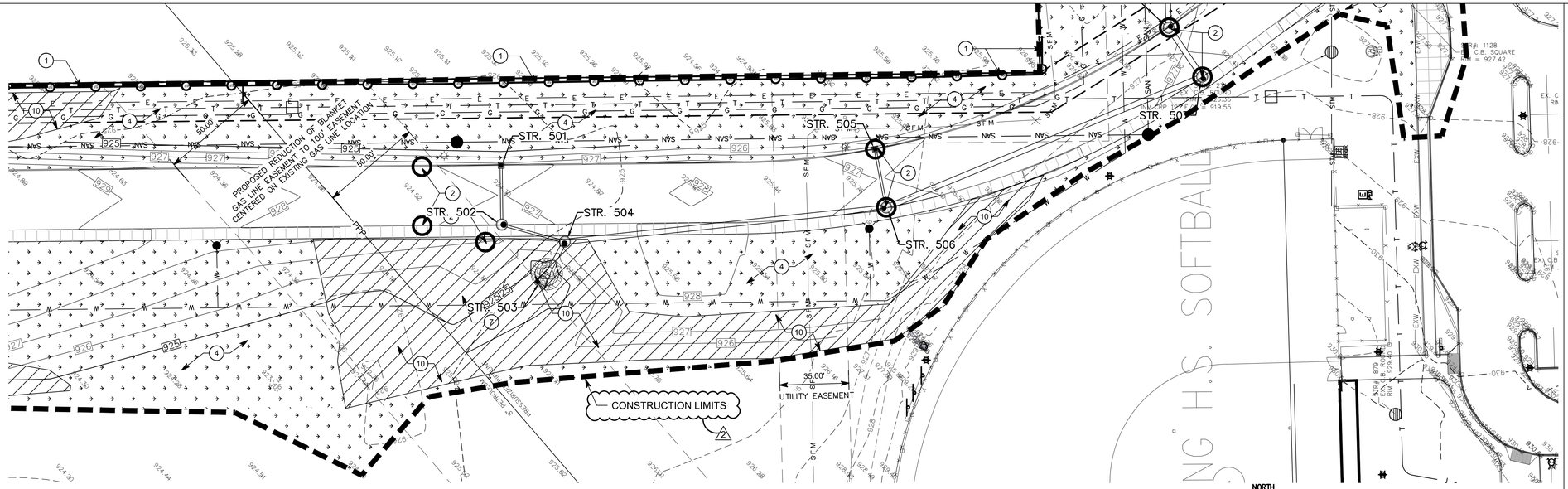
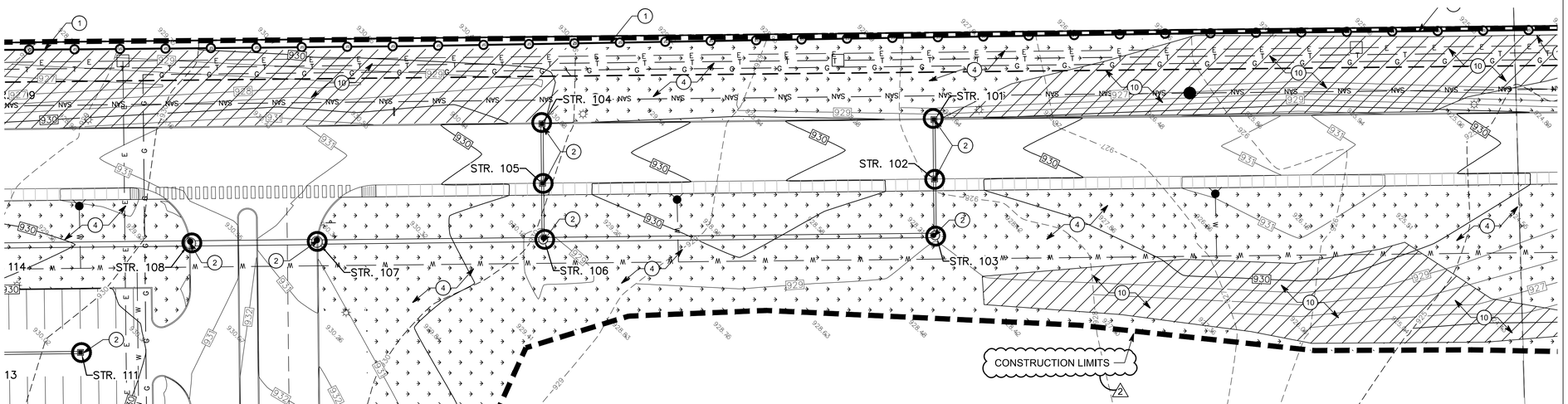
ENLARGED EROSION CONTROL PLAN

G2.14

Drawing Path: P:\2019\500\2019-520\CAD\Civil\Active\11 - 2019.520_G2.11 TO G2.17 - Enlarged Erosion Control Plan.dwg
Plotted By: bheidenreichTime of Plot: 6/29/20 - 10:20am Last Edited: 6/29/20 - 9:25am



ENLARGEMENT A



ENLARGEMENT B

NORTH

30 0 30 60 90

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- EROSION CONTROL BLANKET
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10. **EROSION CONTROL BLANKET - SEE DETAILS F/G2.21 & M/G2.21**

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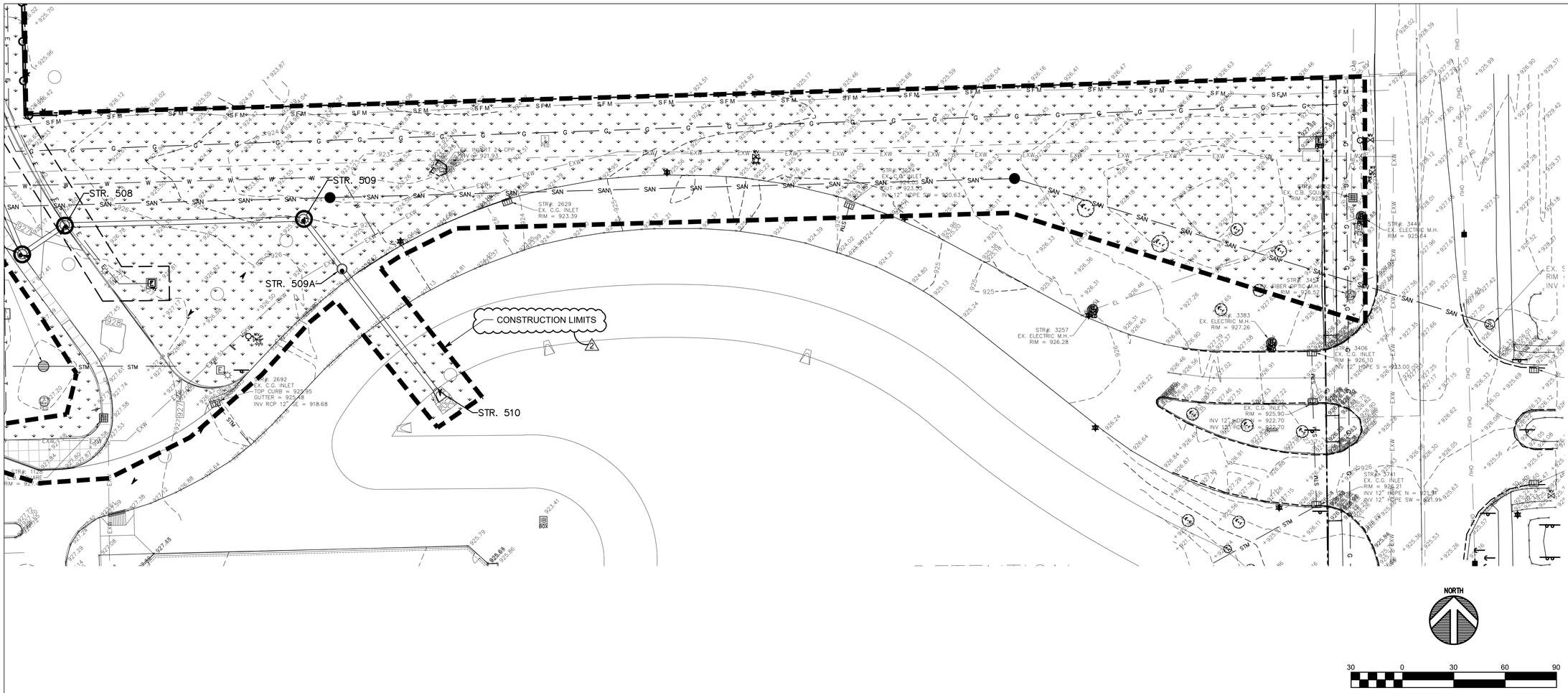
BRITTANY N. HEIDENREICH
REGISTERED
No. 11500313
STATE OF INDIANA
PROFESSIONAL ENGINEER

PROJECT MANAGER: BNH
DRAWN BY: HHW
PROJECT NUMBER: 219124.00 / 2019.520
PROJECT ISSUE DATE: 06/05/2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 1	06/19/2020
2	ADDENDUM NO. 2	06/29/2020

ENLARGED EROSION CONTROL PLAN

G2.15



GENERAL NOTES

1. SEE DRAWING GD0.1 FOR GENERAL NOTES AND ADDITIONAL LEGEND.
2. SEE DRAWING G2.21 FOR EROSION CONTROL DETAILS.
3. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY THE INSPECTOR.
4. DURING CONSTRUCTION KEEP PAVEMENT AND SIDEWALKS CLEAN AND WORK AREAS IN AN ORDERLY CONDITION. CLEAN WHEELS OF VEHICLES BEFORE LEAVING SITE TO AVOID TRACKING SOIL ONTO ROADS OR OTHER PAVED AREAS.

EROSION CONTROL LEGEND

○	INLET SEDIMENT PROTECTION
— — — —	APPROXIMATE LIMITS OF CONSTRUCTION
	APPROXIMATE LIMITS OF TEMPORARY SEEDING
	EROSION CONTROL BLANKET
CW	INDICATES LOCATION OF CONCRETE WASHOUT
PT	INDICATES LOCATION OF PORTABLE TOILETS
—○—○—	SILT FENCE

○ EROSION CONTROL KEYNOTES

1. **SILT FENCE - SEE DETAIL B/G2.21**
2. **INLET SEDIMENT PROTECTION IN PAVED AREAS PER DETAIL D/G2.21 & G/G2.21, INLET SEDIMENT PROTECTION IN NON-PAVED AREAS PER DETAIL K/G2.21**
3. **CONSTRUCTION ENTRANCE DRIVE - SEE DETAIL A/G2.21**
4. **SEED DISTURBED AREAS PER LANDSCAPE PLAN**
5. **PORTABLE TOILET - ANCHOR TO PREVENT SPILLS**
6. **RIPRAP AT AREA OF END SECTION - SEE DETAIL L/G2.21**
7. **ROCK DONUT - SEE DETAIL H/G2.21**
8. **CONCRETE WASHOUT - SEE DETAIL C/G2.21**
9. **SWPPP INFORMATION BOARD**
10. **EROSION CONTROL BLANKET - SEE DETAILS F/G2.21 & M/G2.21**

811

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CAUTION !!

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Drawing Path: P:\2019\500\2019-520\CAD\Civil\Active\11 - 2019.520_G2.11 TO G2.17 - Enlarged Erosion Control Plan.dwg
Plotted By: bheidenreichTime of Plot: 6/29/20 - 10:20am Last Edited: 6/29/20 - 9:25am

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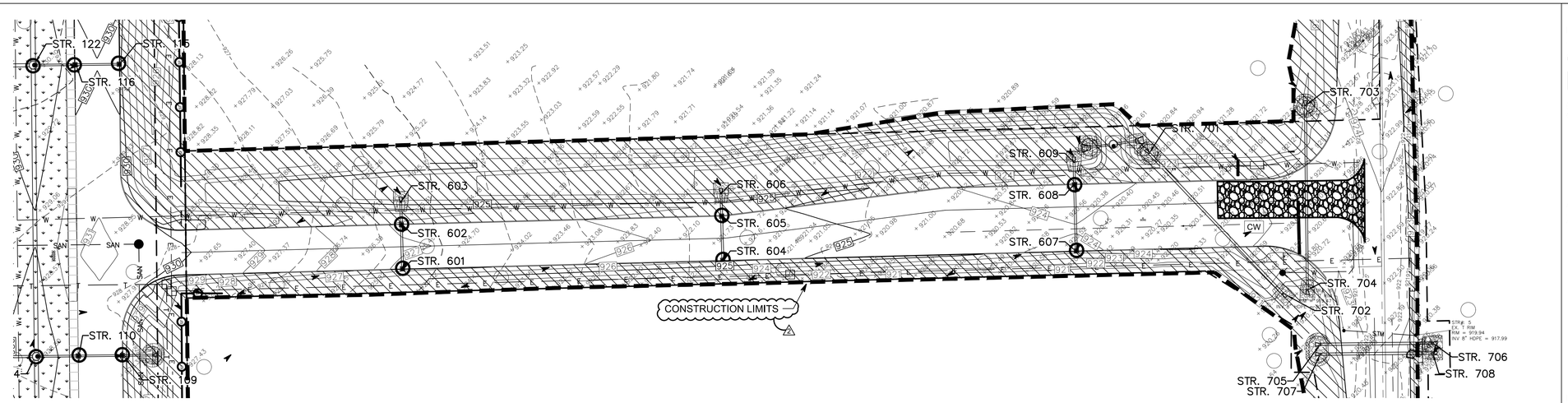
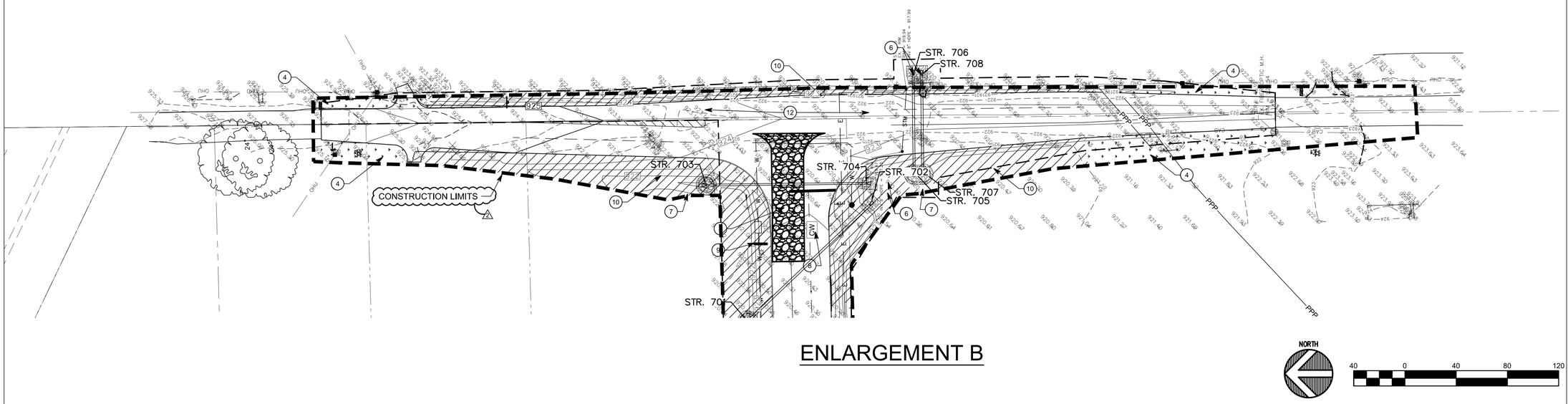
ENLARGED EROSION CONTROL PLAN

G2.16



ENLARGEMENT A



ENLARGEMENT B

GENERAL NOTES

1. SEE DRAWING GD0.1 FOR GENERAL NOTES AND ADDITIONAL LEGEND.
2. SEE DRAWING G2.21 FOR EROSION CONTROL DETAILS.
3. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY THE INSPECTOR.
4. DURING CONSTRUCTION KEEP PAVEMENT AND SIDEWALKS CLEAN AND WORK AREAS IN AN ORDERLY CONDITION. CLEAN WHEELS OF VEHICLES BEFORE LEAVING SITE TO AVOID TRACKING SOIL ONTO ROADS OR OTHER PAVED AREAS.

EROSION CONTROL LEGEND

- INLET SEDIMENT PROTECTION
- APPROXIMATE LIMITS OF CONSTRUCTION
- APPROXIMATE LIMITS OF TEMPORARY SEEDING
- EROSION CONTROL BLANKET
- CW — INDICATES LOCATION OF CONCRETE WASHOUT
- PT — INDICATES LOCATION OF PORTABLE TOILETS
- SILT FENCE

EROSION CONTROL KEYNOTES

1. **SILT FENCE - SEE DETAIL B/G2.21**
2. **INLET SEDIMENT PROTECTION IN PAVED AREAS PER DETAIL D/G2.21 & G/G2.21, INLET SEDIMENT PROTECTION IN NON-PAVED AREAS PER DETAIL K/G2.21**
3. **CONSTRUCTION ENTRANCE DRIVE - SEE DETAIL A/G2.21**
4. **SEED DISTURBED AREAS PER LANDSCAPE PLAN**
5. **PORTABLE TOILET - ANCHOR TO PREVENT SPILLS**
6. **RIPRAP AT AREA OF END SECTION - SEE DETAIL L/G2.21**
7. **ROCK DONUT - SEE DETAIL H/G2.21**
8. **CONCRETE WASHOUT - SEE DETAIL C/G2.21**
9. **SWPPP INFORMATION BOARD**
10. **EROSION CONTROL BLANKET - SEE DETAILS F/G2.21 & M/G2.21**

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Drawing Path: P:\2019\500\2019-520\CAD\Civil\Active\11 - 2019.520_G2.11 TO G2.17 - Enlarged Erosion Control Plan.dwg
Plotted By: bheidenreichtime of Plot: 6/29/20 - 10:53am Last Edited: 6/29/20 - 9:25am

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REV. NO.	DESCRIPTION	DATE
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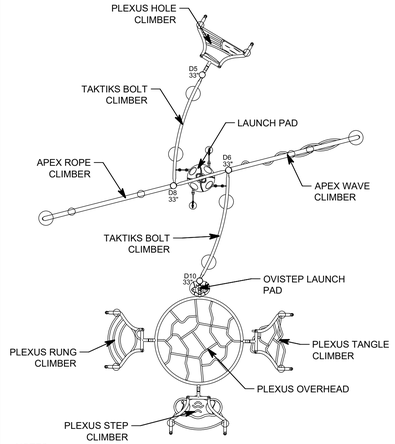
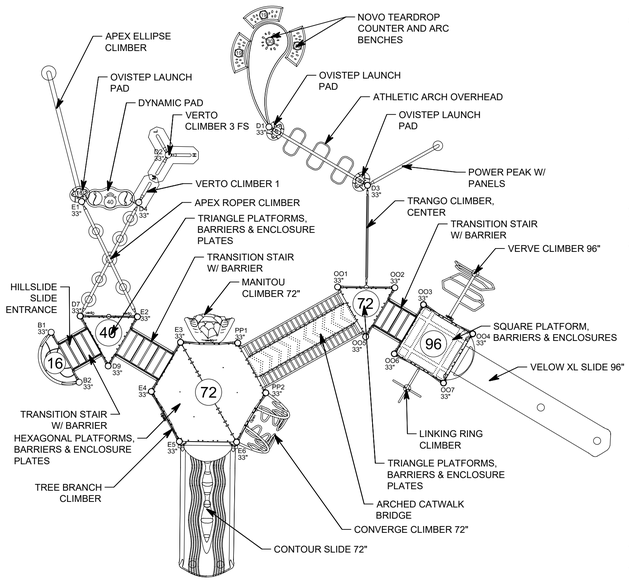
ENLARGED EROSION CONTROL PLAN

G2.17



NOTES
1. PLAYGROUND STRUCTURE AVAIL. FROM BCI BURKE.
2. ALL PARTS OF PLAY STRUCTURE ARE NOT CALLED OUT ON PLAN. CONTACT BCI BURKE FOR COMPLETE LIST OF COMPONENTS AND PARTS FOR PLAY STRUCTURE.

1 - 4 PLAYGROUND STRUCTURE - DETAIL B



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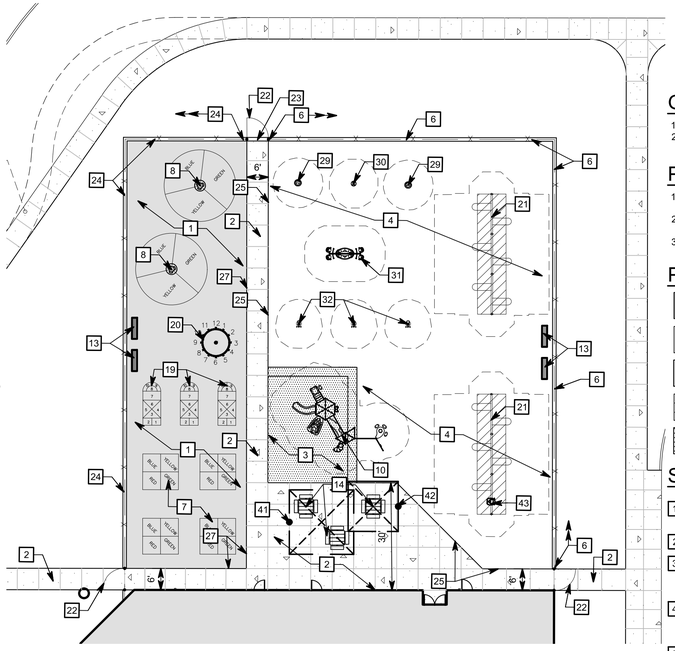
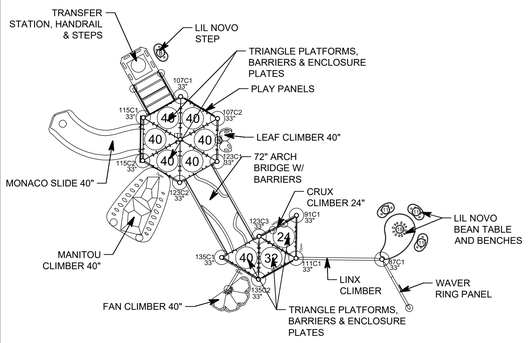
1 - 4 PLAYGROUND STRUCTURE - DETAIL A



K PLAYGROUND ENLARGEMENT



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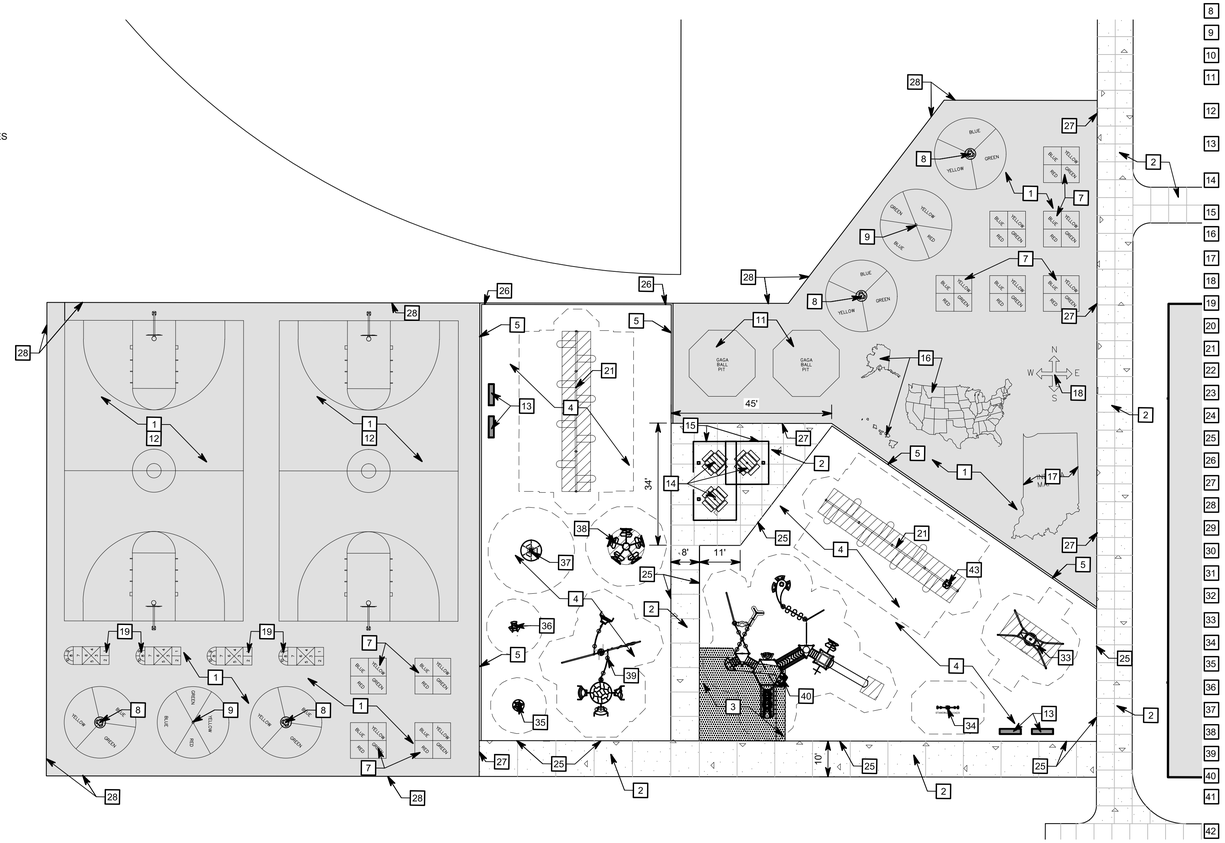
K PLAYGROUND STRUCTURE - DETAIL C

NO SCALE



1-4 PLAYGROUND ENLARGEMENT

NORTH

20 0 20 40 60

GENERAL NOTES

1. SEE DRAWING GD0.1 FOR GENERAL NOTES AND ADDITIONAL LEGEND.
2. SLIDES AND SWINGS TO HAVE PROTECTIVE RUBBER MATS UNDER ENGINEERED WOOD FIBER PLAY SURFACE PER SPECIFICATIONS.

PAINTED PLAYGROUND NOTES

1. FUNNELBALL (20' DIA.) TO BE PAINTED BLUE, YELLOW AND GREEN WITH 2" WHITE LINES AS SHOWN ON PLAN.
2. TETHERBALL (20' DIA.) AND FOURSQUARE (10' SQUARE) TO BE PAINTED BLUE, YELLOW, RED AND GREEN WITH 2" WHITE LINES AS SHOWN ON PLAN.
3. SEE SPECS FOR TYPE OF PAINTING SYSTEM TO BE USED. OVERALL BACKROUND COLOR ON PLAY PVMT. IS TO BE LIGHT TAN.

PROPOSED SITE LEGEND

- BUILDING
- CONCRETE SIDEWALK/PAVEMENT
- PLAY AREA ASPHALT PAVEMENT
- 18" DEEP ENGINEERED WOOD FIBER PLAY SURFACE
- POURED IN PLACE RUBBER PLAY SURFACE

SITE KEYNOTES

1. PLAY ASPHALT PAVEMENT - PER DETAIL T/G4.3, PAINTED LIGHT TAN - SEE SPECS FOR PAINT REQUIREMENTS
2. 4" CONCRETE SIDEWALK - PER DETAIL E/G4.0
3. POURED IN PLACE RUBBER PLAY SURFACE (2 LAYER SYSTEM) OVER AGGREGATE BASE WITH UNDERDRAINS (REFER TO DWGS SU2.1, SU2.2 & SU2.4 FOR UNDERDRAIN LOCATIONS AND TIE-IN) - PER DETAIL L, M & N/G4.2 (2)
4. 12" TO 18" DEEP ENGINEERED WOOD FIBER PLAY SURFACE OVER AN AGGREGATE BASE WITH UNDERDRAINS (REFER TO DWGS SU2.1, SU2.2 & SU2.4 FOR UNDERDRAIN LOCATIONS AND TIE-IN) - PER DETAIL L/G4.3 (18" DEEP IS HATCHED AREA) (2)
5. PLAY PAVEMENT/CURB @ WOOD FIBER - PER DETAIL R/C4.3
6. 4' HT. VINYL COATED CHAIN LINK FENCE W/ CONCRETE BAND AT WOOD FIBER MULCH - PER DETAIL L/G4.3
7. 10' SQUARE - PAINTED 4 SQUARE COURT (SEE PAINTED PLAYGROUND NOTES)
8. FUNNEL BALL ASSEMBLY FROM BCI BURKE WITH PAINTED PAVEMENT
9. TETHERBALL ASSEMBLY FROM BCI BURKE WITH PAINTED PAVEMENT
10. KINDERGARTEN PLAY EQUIPMENT PER DETAIL C THIS SHEET
11. GAGA PIT (WOOD WALLS W/ METAL CORNERS AND PLASTIC PROTECTION ON TOP OF WOOD WALL) PER SPECIFICATIONS
12. PAINTED BASKETBALL COURT W/ TWO HEAVY DUTY BASKETBALL OUTFITS (GOOSNECK POLES, BACKBOARD, AND RIM WITH NET) PER SPECIFICATIONS
13. 6' LONG EMBEDDED RECYCLED PLASTIC BENCH AVAILABLE FROM DUMOR, MODEL # 88-60PL (COLORS TO BE SELECTED BY OWNER) PER DETAIL J/G4.3, OR APPROVED EQUAL
14. 4'X4' EMBEDDED SQUARE RECYCLED PLASTIC TABLE AVAILABLE FROM DUMOR. MODEL # 76-34PL (COLORS TO BE SELECTED BY OWNER) PER DETAIL H/G4.3, OR APPROVED EQUAL
15. METAL ARCHED ROOF STRUCTURE - PER DETAIL K/G4.2
16. PAINTED MAP OF CONTINENTAL U.S.A., HAWAII, AND ALASKA - PER DETAILS A, B & C/G4.3
17. PAINTED INDIANA MAP - PER DETAIL D/G4.3
18. PAINTED COMPASS - PER DETAIL E/G4.3
19. PAINTED HOPSCOTCH - PER DETAIL F/G4.3
20. PAINTED CLOCK - PER DETAIL G/G4.3
21. 5" SINGLE POST SWING FRAME WITH BELT SEATS AVAILABLE FROM BCI BURKE
22. 6' WIDE MAN-GATE - PER DETAIL H/G4.1
23. FENCE/GATE AT CONCRETE - PER DETAIL M/G4.3
24. FENCE AT ASPHALT - PER DETAIL N/G4.3
25. CURB/WALK AT WOOD FIBER - PER DETAIL O/G4.3
26. STRAIGHT CURB AT WOOD FIBER - PER DETAIL P/G4.3
27. PLAY PAVEMENT AT CONCRETE - PER DETAIL Q/G4.3
28. PLAY PAVEMENT AT LAWN - PER DETAIL S/G4.3
29. KIDFORCE SPINNER AVAIL. FROM BCI BURKE (MODEL #560-2573)
30. SWIFT TWIST AVAIL. FROM BCI BURKE (MODEL #560-0457)
31. ORB ROCKER AVAIL. FROM BCI BURKE (MODEL #570-2709)
32. META ROCKER AVAIL. FROM BCI BURKE (MODEL #570-2680)
33. VOLITO SWING AVAIL. FROM BCI BURKE (MODEL #550-0186)
34. STANDING ROCKER AVAIL. FROM BCI BURKE (MODEL #570-0054)
35. COMET 1 AVAIL. FROM BCI BURKE (MODEL #560-2586)
36. COMET 2 AVAIL. FROM BCI BURKE (MODEL #560-2589)
37. SPINETIC AVAIL. FROM BCI BURKE (MODEL #560-2611)
38. VERVE V AVAIL. FROM BCI BURKE (MODEL #560-2584)
39. 1 - 4 PLAY EQUIPMENT PER DETAIL B THIS SHEET
40. 1 - 4 PLAY EQUIPMENT PER DETAIL A THIS SHEET
41. 18'X18' CANTILEVER SINGLE COLUMN FABRIC SHADE STRUCTURE, 8' HT., PER SPECIFICATIONS
42. 14'X14' CANTILEVER SINGLE COLUMN FABRIC SHADE STRUCTURE, 10' HT., PER SPECIFICATIONS
43. FREEDOM SWING SEAT AVAIL. FROM BCI BURKE (MODEL #560-2584)

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Drawing Path: P:\2019\500\2019-520\CAD\Civil\Active\14 - 2019.520_G3.1 - Enlarged Playground Plan.dwg
Plotted By: bheidenreichtime of Plot: 6/29/20 - 10:21am Last Edited: 6/24/20 - 2:12pm

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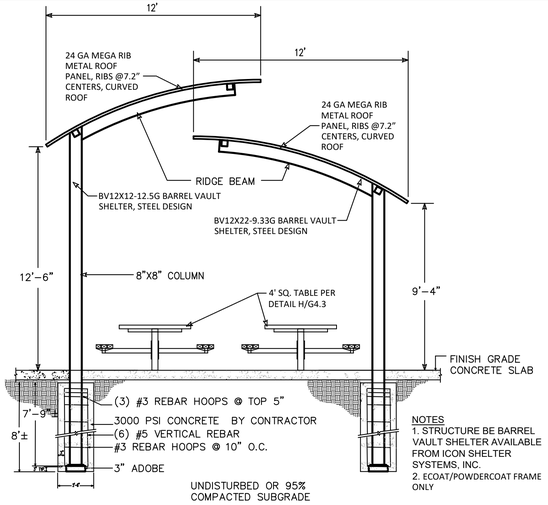
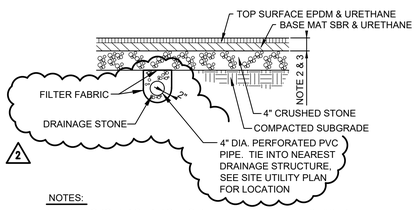
ENLARGED PLAYGROUND PLAN

G3.1



ARCHED METAL ROOF STRUCTURE - DETAIL K

NO SCALE

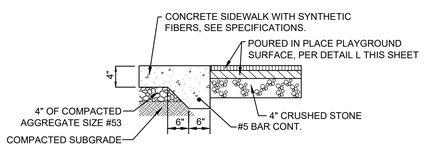


NOTES:

1. PLAYGROUND SURFACE TO BE A POURED IN PLACE 2 LAYER SYSTEM - PLAYBOUND AVAILABLE FROM SURFACE AMERICA, WILLIAMSVILLE, NEW YORK, 1-800-999-0555 OR APPROVED EQUAL.
2. KINDERGARTEN PLAY AREA TO HAVE A MINIMUM CRITICAL FALL HEIGHT OF 8'. MINIMUM THICKNESS OF 3-1/2" PLAYBOUND POURED IN PLACE SURFACE.
3. 1 - 4 PLAY AREA TO HAVE A CRITICAL FALL HEIGHT OF 13'. MINIMUM THICKNESS OF 6-1/2" PLAYBOUND POURED IN PLACE SURFACE.

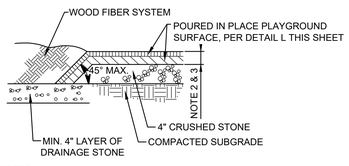
POURED IN PLACE PLAYGROUND SURFACE - DETAIL L

NO SCALE



CONCRETE AT POURED IN PLACE PLAYGROUND SURFACE - DETAIL M

NO SCALE



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3. 1 - 4 PLAY AREA TO HAVE A CRITICAL FALL HEIGHT OF 13'. MINIMUM THICKNESS OF 6-1/2" PLAYBOUND POURED IN PLACE SURFACE.

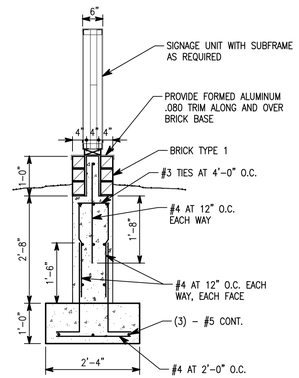
WOOD FIBER AT POURED IN PLACE PLAYGROUND SURFACE - DETAIL N

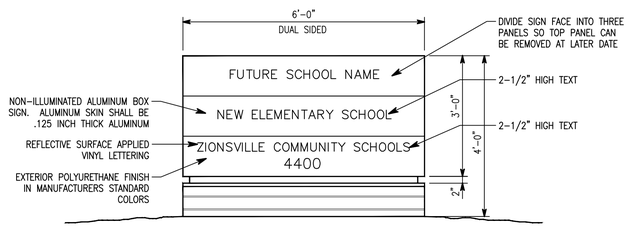
NO SCALE

NOTE:
SIGN IS TO BE MOUNTED ON 3 LB/FT. GALV. U-POST PAINTED GREEN PER INDOT AND INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS

STOP SIGN (24"x24") - DETAIL G

NO SCALE

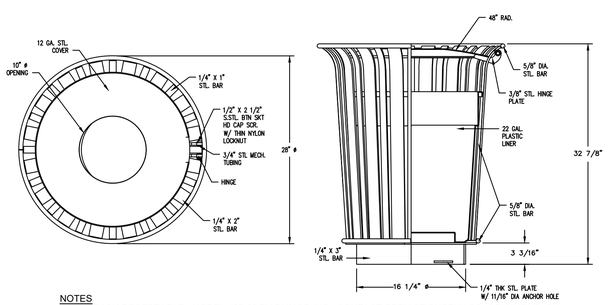




NOTE:
SOUTHERNMOST SIGN TO BE 3' TALL WITH ADDITIONAL PANEL FOR FUTURE SCHOOL NAME
NORTHERNMOST SIGN TO BE 2' TALL WITH NO ADDITIONAL PANEL

SCHOOL IDENTIFICATION SIGN - DETAIL H

NO SCALE

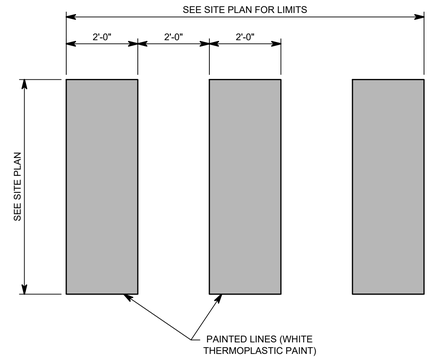


NOTES

1. TRASH RECEPTACLE. MODEL #87-22 BY DUMOR INC. CONTACT SERVICE SUPPLY CO.,COLUMBUS, OH. 1-800-848-7556 (IN) OR 1-800-282-1900 (OH).
2. COLORS TO BE SELECTED BY OWNER.
3. SURFACE MOUNT.
4. ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
5. 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED.

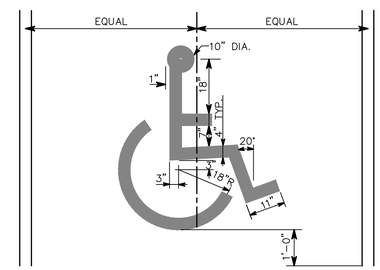
TRASH RECEPTACLE - DETAIL J

NO SCALE



CROSSWALK STRIPE - DETAIL D

SCALE: 1/2" = 1'-0"

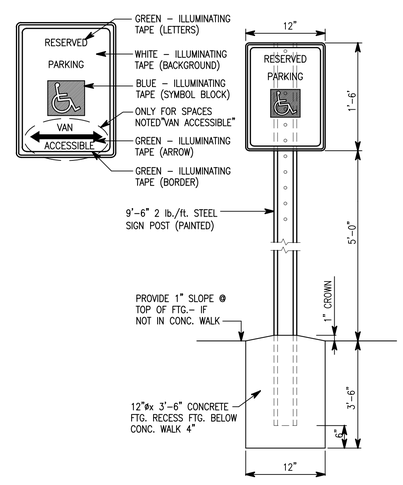


NOTE:

1. SEE SPECIFICATIONS SECTION 321723 FOR PAINT REQUIREMENTS.

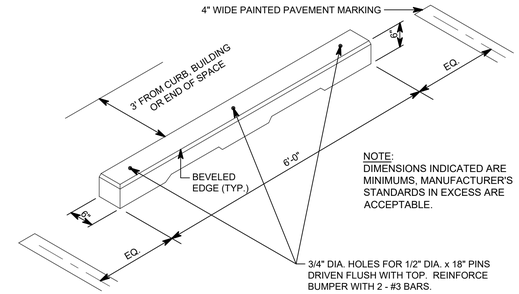
PAINTED A.D.A. SYMBOL- DETAIL E

NONE



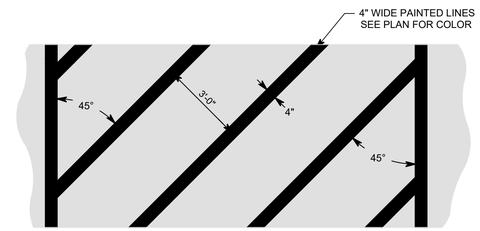
HANDICAP PARKING SIGN - DETAIL F

NO SCALE



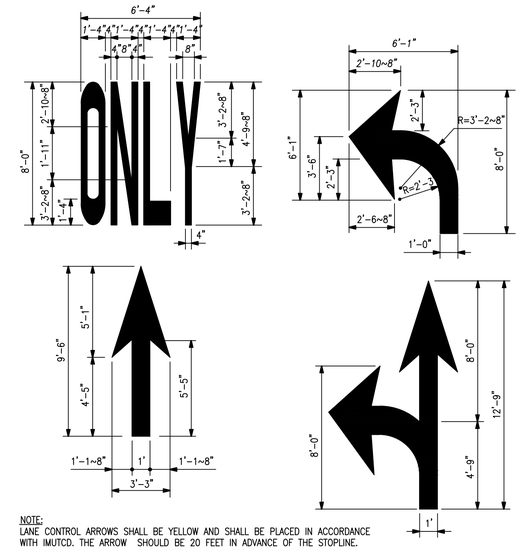
PARKING BUMPER - DETAIL A

NO SCALE



PAINTED PARKING ISLANDS - DETAIL B

NO SCALE



NOTE:
LANE CONTROL ARROWS SHALL BE YELLOW AND SHALL BE PLACED IN ACCORDANCE WITH IMUTCD. THE ARROW SHOULD BE 20 FEET IN ADVANCE OF THE STOPLINE. THE WORD "ONLY" SHOULD BE LOCATED IN ADVANCE OF THE PAVEMENT ARROW.

TRAFFIC MARKINGS - DETAIL C

NO SCALE

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BRITTANY N. HEIDENREICH
REGISTERED No. 11500313 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: BNH
DRAWN BY: HHW
PROJECT NUMBER: 219124.00 / 2019.520
PROJECT ISSUE DATE: 06/05/2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 1	06/19/2020
2	ADDENDUM NO. 2	06/29/2020

SITE DETAILS

G4.2

Drawing Path: P:\2019\500\2019-520\CAD\Civil\Active\15 - 2019.520_G4.0 TO G4.5 - Site Details.dwg
Plotted By: bheidenreichtime of Plot: 6/29/20 - 10:21am Last Edited: 6/24/20 - 1:45pm

STORM STRUCTURE TABLE

STR. NO.	STRUCTURE	CASTING TYPE	RIM	INCOMING PIPE DATA (DIRECTION) [FROM STR]	OUTGOING PIPE DATA (DIRECTION) [TO STR]	OUTGOING PIPE L.F.	OUTGOING PIPE SIZE	OUTGOING GRADE	CONNECT TO STR.	REMARKS
101	Inlet Type "M"	R-3287-SB10	929.25		12" HDPE Pipe 925.14 (W) [102]	30'	12"	0.26%	102	-
102	Inlet Type "M"	R-3287-SB10	929.25	12" HDPE Pipe 925.06 (E) [101]	12" HDPE Pipe 924.96 (W) [103]	28'	12"	0.26%	103	-
103	Type "C" Manhole	R-4342	929.04	12" HDPE Pipe 924.88 (E) [102]	24" HDPE Pipe 924.78 (N) [106]	198'	24"	0.16%	106	-
104	Inlet Type "M"	R-3287-SB10	929.25		12" HDPE Pipe 925.02 (W) [105]	30'	12"	0.26%	105	-
105	Inlet Type "M"	R-3287-SB10	929.25	12" HDPE Pipe 924.94 (E) [104]	12" HDPE Pipe 924.84 (W) [106]	28'	12"	0.26%	106	-
106	Type "C" Manhole	R-4342	928.75	24" HDPE Pipe 924.47 (S) [103] 12" HDPE Pipe 924.77 (E) [105]	24" HDPE Pipe 924.37 (N) [107]	114'	24"	0.50%	107	-
107	Type "J" Manhole	R-3010	930.34	24" HDPE Pipe 923.80 (S) [106]	30" HDPE Pipe 923.70 (N) [108]	64'	30"	0.20%	108	-
108	Type "J" Manhole	R-3010	930.34	30" HDPE Pipe 923.57 (S) [107]	30" HDPE Pipe 923.47 (N) [114]	119'	30"	0.20%	114	-
109A	End Section	-	-		12" HDPE Pipe 925.94 (W) [109]	21'	12"	0.26%	109	-
109	Inlet Type "M"	R-3287-SB10	929.96	12" HDPE Pipe 925.88 (E) [109A]	12" HDPE Pipe 925.79 (W) [110]	30'	12"	0.26%	110	-
110	Inlet Type "M"	R-3287-SB10	929.96	12" HDPE Pipe 925.71 (E) [109]	12" HDPE Pipe 925.61 (W) [114]	28'	12"	0.45%	114	-
111	Inlet Type "A"	R-3472	929.02		12" HDPE Pipe 924.97 (N) [113]	63'	12"	0.26%	113	-
112	Inlet Type "A"	R-3472	929.02		12" HDPE Pipe 924.97 (S) [113]	63'	12"	0.26%	113	-
113	Type "C" Manhole	R-3472	929.02	12" HDPE Pipe 924.80 (S) [111] 12" HDPE Pipe 924.80 (N) [112]	15" HDPE Pipe 924.70 (E) [114]	55'	16"	0.50%	114	-
114	Type "J" Manhole	R-4342	929.11	30" HDPE Pipe 923.23 (S) [108] 12" HDPE Pipe 925.48 (E) [110] 15" HDPE Pipe 924.43 (W) [113]	30" HDPE Pipe 923.13 (N) [122]	198'	30"	0.30%	122	-
115	Inlet Type "M"	R-3287-SB10	929.66		12" HDPE Pipe 925.09 (W) [116]	30'	12"	0.26%	116	-
116	Inlet Type "M"	R-3287-SB10	929.66	12" HDPE Pipe 925.01 (E) [115]	12" HDPE Pipe 924.91 (W) [122]	28'	12"	0.26%	122	-
117	Inlet Type "A"	R-3472	929.00		12" HDPE Pipe 925.34 (N) [118]	56'	12"	0.35%	118	-
118	Inlet Type "A"	R-3472	929.00	12" HDPE Pipe 925.14 (S) [117]	15" HDPE Pipe 924.54 (E) [119]	136'	16"	0.40%	119	-
119	Type "C" Manhole	R-3472	929.02	15" HDPE Pipe 924.00 (W) [118]	18" HDPE Pipe 923.90 (N) [121]	63'	18"	0.27%	121	-
120	Inlet Type "M"	R-3455-C	929.02		12" HDPE Pipe 924.80 (S) [121]	63'	12"	0.26%	121	-
121	Type "C" Manhole	R-3472	929.02	18" HDPE Pipe 923.73 (S) [119] 12" HDPE Pipe 924.63 (N) [120]	24" HDPE Pipe 923.63 (E) [122]	55'	24"	0.18%	122	-
122	Type "J" Manhole	R-4342	929.02	30" HDPE Pipe 922.54 (S) [114] 24" HDPE Pipe 923.54 (W) [121] 12" HDPE Pipe 924.84 (E) [116]	36" HDPE Pipe 922.44 (N) [125]	134'	36"	0.26%	125	-
123A	End Section	-	-		12" HDPE Pipe 924.18 (W) [123]	21'	12"	0.26%	123	-
123	Inlet Type "M"	R-3287-SB10	928.99	12" HDPE Pipe 924.12 (E) [123A]	12" HDPE Pipe 924.02 (W) [124]	30'	12"	0.26%	124	-
124	Inlet Type "M"	R-3287-SB10	928.99	12" HDPE Pipe 923.95 (E) [123]	12" HDPE Pipe 923.85 (W) [125]	28'	12"	0.35%	125	-
125	Type "J" Manhole	R-4342	928.70	36" HDPE Pipe 922.09 (S) [122] 12" HDPE Pipe 923.75 (E) [124]	36" HDPE Pipe 921.99 (NW) [127]	76'	36"	0.26%	127	-
126	Inlet Type "A"	R-3010	929.20		12" HDPE Pipe 924.85 (N) [127]	24'	12"	0.26%	127	-
127	Type "J" Manhole	R-3010	929.20	36" HDPE Pipe 921.79 (SE) [125] 12" HDPE Pipe 924.79 (S) [126]	36" HDPE Pipe 921.69 (NW) [130]	99'	36"	0.26%	130	-
128A	End Section	-	-		12" HDPE Pipe 924.18 (S) [128]	16'	12"	0.26%	128	-
128	Inlet Type "M"	R-3287-SB10	928.83	12" HDPE Pipe 924.13 (N) [128A]	12" HDPE Pipe 924.03 (S) [129]	30'	12"	0.26%	129	-
129	Inlet Type "M"	R-3287-SB10	928.83	12" HDPE Pipe 923.96 (N) [128]	12" HDPE Pipe 923.86 (S) [130]	12'	12"	0.35%	130	-
130	Type "J" Manhole	R-4342	928.72	36" HDPE Pipe 921.43 (SE) [127] 12" HDPE Pipe 923.81 (N) [129]	36" HDPE Pipe 921.33 (W) [131]	77'	36"	0.26%	131	-
131	Type "J" Manhole	R-4342	928.54	36" HDPE Pipe 921.13 (E) [130]	36" HDPE Pipe 921.03 (W) [132]	173'	36"	0.26%	132	-
132	Type "J" Manhole	R-4342	928.33	36" HDPE Pipe 920.58 (E) [131]	36" HDPE Pipe 920.48 (W) [133]	255'	36"	0.26%	133	-
133	Type "J" Manhole	R-4342	928.33	36" HDPE Pipe 919.82 (E) [132]	36" HDPE Pipe 918.72 (NW) [134]	84'	36"	0.26%	134	-
134	End Section	-	-	36" HDPE Pipe 918.50 (SE) [133]						-
201	Inlet Type "A"	R-3472	927.50		15" HDPE Pipe 922.95 (W) [202]	25'	16"	0.30%	202	-
202	Type "C" Manhole	R-3010	928.38	15" HDPE Pipe 922.88 (E) [201]	15" HDPE Pipe 922.78 (W) [204]	47'	16"	0.40%	204	-
203	Inlet Type "A"	R-3472	928.05		12" HDPE Pipe 923.84 (N) [204]	89'	12"	0.40%	204	-
204	Type "C" Manhole	R-3472	927.79	15" HDPE Pipe 922.59 (E) [202] 12" HDPE Pipe 923.49 (S) [203]	24" HDPE Pipe 922.49 (W) [205]	117'	24"	0.20%	205	-
205	Type "C" Manhole	R-3472	927.79	24" HDPE Pipe 922.25 (E) [204]	24" HDPE Pipe 922.15 (W) [213]	117'	24"	0.25%	213	-
206	Inlet Type "A"	R-3472	928.69		12" HDPE Pipe 924.51 (N) [207]	118'	12"	0.26%	207	-
207	Inlet Type "A"	R-3472	927.50	12" HDPE Pipe 924.20 (S) [206]	12" HDPE Pipe 924.10 (E) [209]	87'	12"	0.30%	209	-
208	Inlet Type "A"	R-3472	929.18		12" HDPE Pipe 925.43 (N) [209]	96'	12"	0.40%	209	-
209	Type "C" Manhole	R-3010	930.59	12" HDPE Pipe 923.84 (W) [207] 12" HDPE Pipe 925.04 (S) [208]	15" HDPE Pipe 923.74 (NE) [210]	36'	16"	0.50%	210	-
210	Type "C" Manhole	R-1772	931.80	15" HDPE Pipe 923.56 (SW) [209]	18" HDPE Pipe 923.46 (N) [212]	55'	18"	0.40%	212	-
211	Inlet Type"A"	R-3010	929.69		12" HDPE Pipe 924.64 (E) [212]	74'	12"	0.26%	212	-
212	Type "C" Manhole	R-4342	928.68	18" HDPE Pipe 923.24 (S) [210] 12" HDPE Pipe 924.44 (W) [211]	18" HDPE Pipe 923.14 (NW) [213]	116'	18"	0.50%	213	-
213	Type "J" Manhole	R-3472	927.79	24" HDPE Pipe 921.86 (E) [205] 18" HDPE Pipe 922.56 (SE) [212]	30" HDPE Pipe 921.76 (W) [214]	117'	30"	0.30%	214	-
214	Type "J" Manhole	R-3472	927.79	30" HDPE Pipe 921.41 (E) [213]	30" HDPE Pipe 918.81 (NW) [215]	104'	30"	0.30%	215	-
215	End Section	-	-	30" HDPE Pipe 918.50 (SE) [214]						-
301	Inlet Type "A"	R-3472	928.08		15" HDPE Pipe 923.65 (N) [302]	85'	16"	0.32%	302	-
302	Type "C" Manhole	R-3010	929.75	15" HDPE Pipe 923.38 (S) [301]	18" HDPE Pipe 923.28 (W) [303]	81'	18"	0.38%	303	-
303	Type "C" Manhole	R-3472	929.75	18" HDPE Pipe 922.97 (E) [302]	24" HDPE Pipe 922.87 (W) [304]	77'	24"	0.20%	304	-
304	Type "C" Manhole	R-3472	929.75	24" HDPE Pipe 922.72 (E) [303]	24" HDPE Pipe 922.62 (W) [307]	77'	24"	0.20%	307	-
305	Inlet Type "A"	R-3472	929.50		12" HDPE Pipe 925.24 (W) [306]	45'	12"	0.50%	306	-
306	Inlet Type "A"	R-3472	929.50	12" HDPE Pipe 925.02 (E) [305]	15" HDPE Pipe 924.92 (S) [307]	91'	16"	0.50%	307	-
307	Type "C" Manhole	R-3472	929.75	24" HDPE Pipe 922.46 (E) [304] 15" HDPE Pipe 924.46 (N) [306]	24" HDPE Pipe 922.36 (W) [309]	81'	24"	0.50%	309	-
308	Inlet Type "A"	R-3472	926.49		15" HDPE Pipe 922.25 (N) [309]	85'	16"	0.35%	309	-

STORM STRUCTURE TABLE

STR. NO.	STRUCTURE	CASTING TYPE	RIM	INCOMING PIPE DATA (DIRECTION) [FROM STR]	OUTGOING PIPE DATA (DIRECTION) [TO STR]	OUTGOING PIPE L.F.	OUTGOING PIPE SIZE	OUTGOING GRADE	CONNECT TO STR.	REMARKS
309	Type "J" Manhole	R-3472	929.75	24" HDPE Pipe 921.96 (E) [307] 15" HDPE Pipe 921.96 (S) [308]	30" HDPE Pipe 921.86 (W) [310]	77'	30"	0.30%	310	-
310	Type "J" Manhole	R-3472	929.75	30" HDPE Pipe 921.63 (E) [309]	30" HDPE Pipe 921.53 (W) [312]	314'	30"	0.40%	312	-
311	End Section	-	-		30" HDPE Pipe 923.71 (N) [312]	75'	30"	0.26%	312	-
312	Type "J" Manhole	R-3472	928.52	30" HDPE Pipe 920.27 (E) [310] 30" HDPE Pipe 923.51 (S) [311]	36" HDPE Pipe 920.17 (N) [313]	209'	36"	0.26%	313	-
313	Type "J" Manhole	R-3472	926.50	36" HDPE Pipe 919.63 (S) [312]	36" HDPE Pipe 919.53 (N) [314]	228'	36"	0.26%	314	-
314	Type "J" Manhole	R-3472	925.50	36" HDPE Pipe 918.94 (S) [313]	36" HDPE Pipe 918.84 (N) [315]	130'	36"	0.26%	315	-
315	End Section	-	-	36" HDPE Pipe 918.50 (S) [314]						-
401	Inlet Type "F"	R-4215-C	924.89	10" PVC Pipe 918.50 (S) []	18" HDPE Pipe 918.50 (N) [401A]	24'	18"	0.81%	401A	OUTLET CONTROL STRUCTURE
401A	Aqua-Swirl XC-11	PER MAN.	925.59	18" HDPE Pipe 918.31 (S) [401]	18" HDPE Pipe 918.31 (N) [402]	99'	18"	0.45%	402	WQ BMP
402	Type "C" Manhole	R-1772	923.30	18" HDPE Pipe 917.86 (S) [401A] 12" PVC Pipe 918.46 (NE) [] 12" PVC Pipe 918.45 (SW) []	24" HDPE Pipe 917.76 (NW) [403]	27'	24"	0.45%	403	-
403	Type "L" Manhole	R-1772	925.77	24" HDPE Pipe 917.64 (SE) [402] 48" RCP 917.29 (NW) [] 48" RCP 917.29 (SW) []	48" RCP 917.27 (NE) []	5'	48"	0.00%		-
501	Inlet Type "M"	R-3287-SB10	926.68		12" HDPE Pipe 922.88 (W) [502]	30'	12"	0.26%	502	-
502	Type "J" Manhole	R-3287-SB10	926.68	12" HDPE Pipe 922.80 (E) [501]	12" HDPE Pipe 922.70 (S) [504]	33'	12"	0.40%	504	-
503	End Section	-	-		24" HDPE Pipe 922.92 (SE) [504]	19'	24"	1.62%	504	-
504	Type "J" Manhole	R-1772	927.56	12" HDPE Pipe 922.57 (N) [502] 24" HDPE Pipe 922.62 (NW) [503]	30" HDPE Pipe 920.77 (S) [506]	164'	30"	0.28%	506	-
505	Inlet Type "M"	R-3287-SB10	926.68		12" HDPE Pipe 922.79 (W) [506]	30'	12"	0.26%	506	-
506	Type "J" Manhole	R-3287-SB10	926.68	12" HDPE Pipe 922.71 (E) [505] 30" HDPE Pipe 920.31 (N) [504]	30" HDPE Pipe 920.21 (S) [507]	173'	30"	0.28%	507	-
507	Type "J" Manhole	R-3287-SB10	926.68	30" HDPE Pipe 919.73 (N) [506]	30" HDPE Pipe 919.63 (NE) [508]	30'	30"	0.28%	508	-
508	Type "J" Manhole	R-3287-SB10	926.68	30" HDPE Pipe 919.54 (SW) [507]	30" HDPE Pipe 919.44 (E) [509]	140'	30"	0.28%	509	-
509	Type "J" Manhole	R-1772	925.03	30" HDPE Pipe 919.05 (W) [508]	30" HDPE Pipe 918.95 (SE) [509A]	37'	30"	0.28%	509A	-
509A	Aqua-Swirl XC-5	PER MAN.	925.59	30" HDPE Pipe 918.85 (NW) [509]	30" HDPE Pipe 918.85 (SE) [510]	89'	30"	0.28%	510	WQ BMP
510	End Section	-	-	30" HDPE Pipe 918.60 (NW) [509A]						-
601	Inlet Type "M"	R-3287-SB10	926.83		12" RCP 923.59 (N) [602]	30'	12"	0.31%	602	-
602	Inlet Type "M"	R-3287-SB10	926.83	12" RCP 923.50 (S) [601]	12" RCP 923.40 (N) [603]	16'	12"	0.31%	603	-
603	End Section	-	-	12" RCP 923.35 (S) [602]						-
604	Inlet Type "M"	R-3287-SB10	925.37		12" RCP 922.13 (N) [605]	30'	12"	0.31%	605	-
605	Inlet Type "M"	R-3287-SB10	925.37	12" RCP 922.04 (S) [604]	12" RCP 921.94 (N) [606]	16'	12"	0.31%	606	-
606	End Section	-	-	12" RCP 921.89 (S) [605]						-
607	Inlet Type "M"	R-3287-SB10	923.76		12" RCP 920.81 (N) [608]	45'	12"	0.31%	608	-
608	Inlet Type "M"	R-3287-SB10	923.46	12" RCP 920.67 (S) [607]	12" RCP 920.57 (N) [609]	16'	12"	0.31%	609	-
609	End Section	-	-	12" RCP 920.52 (S) [608]						-
610	End Section	-	-		12" HDPE Pipe 920.46 (E) [611]	16'	12"	0.00%	611	OUTLET CONTROL STRUCTURE
611	Aqua-Swirl XC-3	PER MAN.	924.00	12" HDPE Pipe 920.46 (W) [610]	12" HDPE Pipe 920.46 (E) [612]	16'	12"	0.00%	612	WQ BMP
612	End Section	-	-	12" HDPE Pipe 920.46 (W) [611]						-
701	End Section	-	-		18" HDPE Pipe 920.46 (SE) [702]	132'	18"	0.18%	702	-
702	End Section	-	-	18" HDPE Pipe 920.23 (NW) [701]						-
703	End Section	-	-		12" RCP 920.62 (S) [704]	125'	12"	0.31%	704	-
704	End Section	-	-	12" RCP 920.23 (N) [703]						-
705	End Section	-	-		15" RCP 920.07 (E) [706]	76'	15"	0.31%	706	-
706	End Section	-	-	15" RCP 919.84 (W) [705]						-
707	End Section	-	-		15" RCP 920.07 (E) [708]	76'	15"	0.31%	708	-
708	End Section	-	-	15" RCP 919.84 (W) [707]						-

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STATE OF INDIANA
PROFESSIONAL ENGINEER

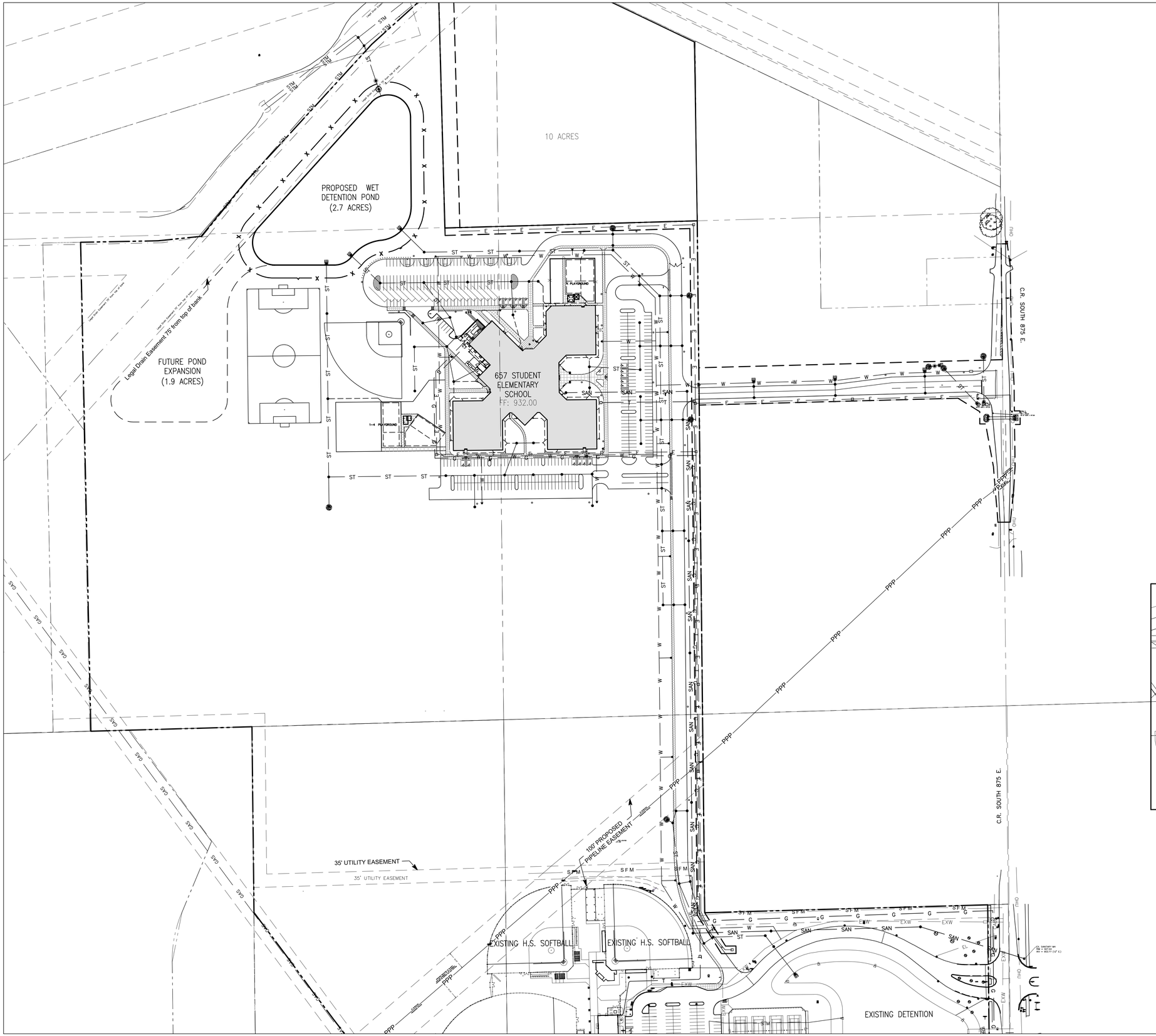
PROJECT MANAGER: BNH
DRAWN BY: HHW
PROJECT NUMBER: 219124.00 / 2019.520
PROJECT ISSUE DATE: 06/05/2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 1	06/19/2020
2	ADDENDUM NO. 2	06/29/2020

STORM SEWER DATA TABLE

SU1.0A

Drawing Path: P:\2019\500\2019-520\CAD\Civil\Active\17 - 2019.520_SU1.0A - Storm Sewer Data Table.dwg
Plotted By: bheidenreichTime of Plot: 6/29/20 - 10:21am Last Edited: 6/29/20 - 9:38am



NORTH

120 60 0 120 240 360

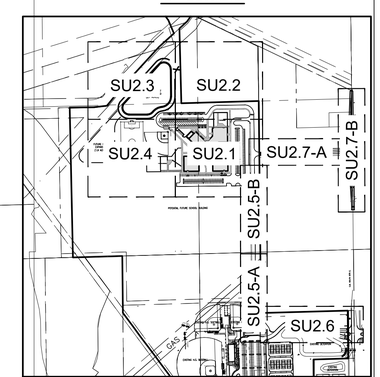
GENERAL NOTES

1. SEE DRAWING GD0.1 FOR GENERAL NOTES AND ADDITIONAL LEGEND.
2. TOPOGRAPHIC CONDITIONS AND EXISTING UTILITIES SHOWN WERE PROVIDED BY THE SURVEYOR. THE ENGINEER MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED.
3. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE PROJECT AREA INCLUDING UNDERGROUND UTILITY CONDITIONS, LOCATION AND DEPTH PRIOR TO ANY OTHER SITE CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER.
4. SEE DRAWING SU1.0A FOR STORM SEWER STRUCTURE DATA TABLE.

UTILITY LEGEND

	PROPOSED ROOF DRAIN
W	PROPOSED WATER LINE
SAN	PROPOSED SANITARY SEWER
E	PROPOSED PRIMARY ELECTRICAL LINE (SEE SITE ELECTRICAL PLAN)
SFM	EXISTING SANITARY FORCE MAIN
GAS	EXISTING GAS LINE
STM	EXISTING STORM SEWER
EXW	EXISTING WATER LINE
OHU	EXISTING OVERHEAD UTILITY LINE
CAB	EXISTING FIBER OPTIC CABLE LINE
EL	EXISTING ELECTRICAL LINE
	PROPOSED FIRE HYDRANT
	PROPOSED FIRE DEPARTMENT CONNECTION

KEYMAP



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BRITTANY N. HEDINGER
REGISTERED No. 11500313 STATE OF INDIANA PROFESSIONAL ENGINEER

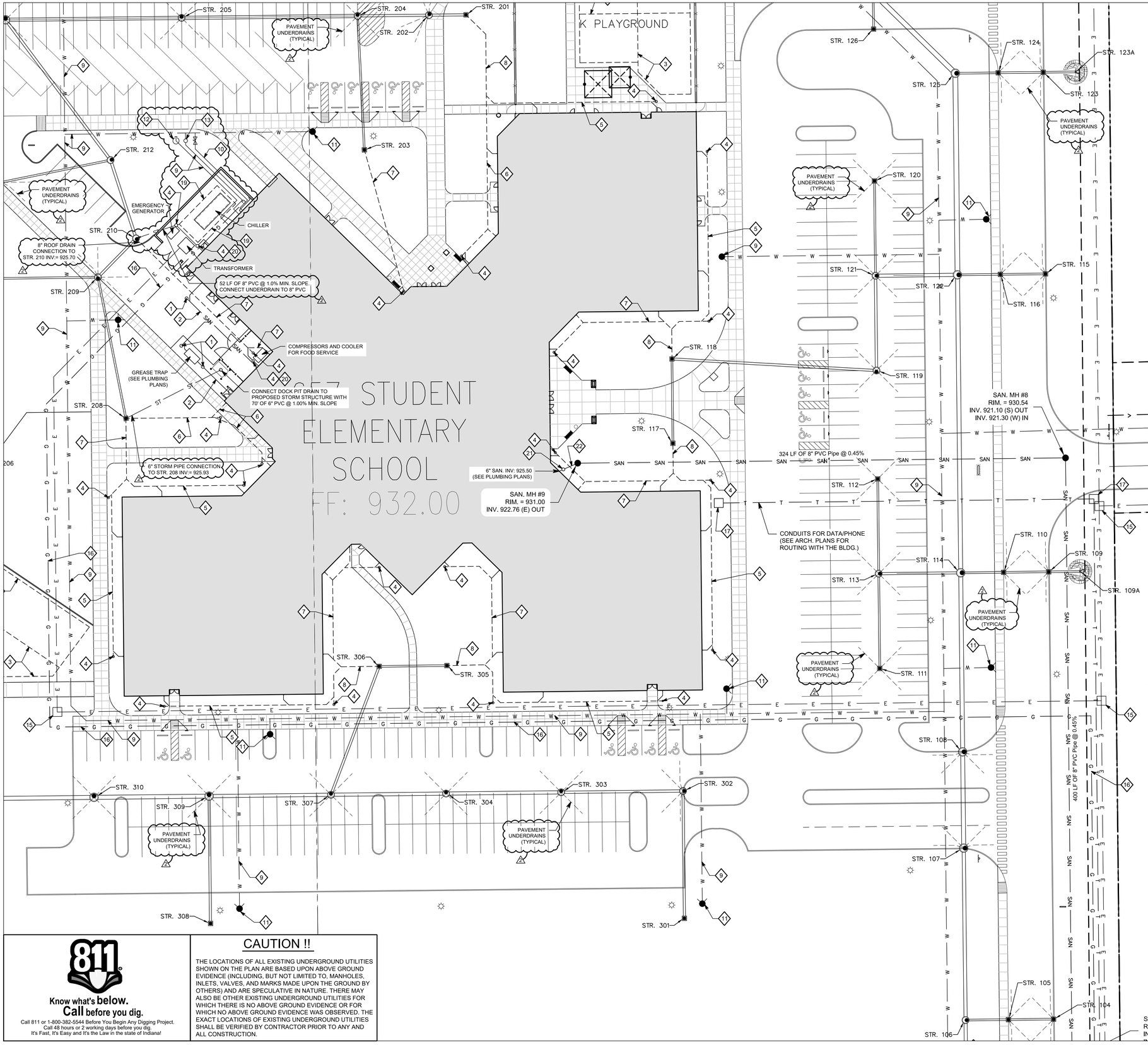
PROJECT MANAGER: BNH
DRAWN BY: HHW
PROJECT NUMBER: 219124.00 / 2019.520
PROJECT ISSUE DATE: 06/05/2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 1	06/19/2020
2	ADDENDUM NO. 2	06/29/2020

OVERALL SITE UTILITY PLAN

SU2.0

Drawing Path: P:\2019\520\2019-520\CAD\Civil\Active\18 - 2019.520_SU2.0 - Overall Site Utility Plan.dwg
Plotted By: bheidenreichTime of Plot: 6/29/20 - 10:22am Last Edited: 6/15/20 - 6:28pm



GENERAL NOTES

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4. SEE DRAWING SU1.0A FOR STORM SEWER STRUCTURE DATA TABLE.
5. ALL PROPOSED STORM INLETS LOCATED IN PAVED AREAS SHALL INCLUDE PAVEMENT UNDERDRAIN INSTALLATION.

◇ UTILITY KEYNOTES

1. PROPOSED SANITARY CLEANOUT - SEE DETAIL F/SU3.1
2. PROPOSED SANITARY LATERAL - SEE PLUMBING PLAN
3. 4" DIA. UNDERDRAIN, CONNECT TO STORM STRUCTURE
4. PROPOSED STORM CLEANOUT - SEE DETAIL F/SU3.1
5. 6" PVC ROOF DRAIN @ 1.0% MIN.
6. 8" PVC ROOF DRAIN @ 0.5% MIN.
7. 8" PVC ROOF DRAIN @ 1.0% MIN.
8. 8" PVC ROOF DRAIN @ 2.0% MIN
9. 8" DUCTILE IRON WATER LINE - SEE DETAIL K/SU3.2
10. 4" DUCTILE IRON WATER LINE - SEE DETAIL K/SU3.2
11. PROPOSED FIRE HYDRANT - SEE DETAIL F/SU3.2
12. PROPOSED FIRE DEPARTMENT CONNECTION (COORDINATE WITH ZIONSVILLE FIRE DEPARTMENT)
13. PROPOSED POST INDICATOR VALVE (COORDINATE WITH ELECTRICAL CONTRACTOR)
14. RELOCATED FIRE HYDRANT & VALVE
15. PRIMARY ELECTRICAL CABINET (SEE SITE ELEC. PLAN)
16. PROPOSED GAS LINE (COORDINATE WITH VECTREN)
17. COMMUNICATIONS HANDHOLE (SEE SITE TECH/COMM PLANS)
18. RELOCATED POWER/LIGHT POLE
19. INSTALL 4" DIA. UNDERDRAIN & 6" MIN. DEPTH OF 1" DIA. WASHED RIVER GRAVEL AGGREGATE
20. CONNECT TO 6" BUILDING STORM AT INV. 928.50 (SEE PLUMBING PLANS FOR CONTINUATION)
21. PROPOSED SANITARY CLEANOUT - SEE DETAIL S-13/SU3.3
22. 6 L.F. OF 6" SDR-35 PVC @ 2.0% MIN. SLOPE

UTILITY LEGEND

	PROPOSED STORM SEWER
	PROPOSED ROOF DRAIN
W	PROPOSED WATER LINE
SAN	PROPOSED SANITARY SEWER
G	PROPOSED GAS LINE
E	PROPOSED PRIMARY ELECTRICAL LINE (SEE SITE ELECTRICAL PLAN)
T	PROPOSED TECHNOLOGY/COMM LINE
S F M	EXISTING SANITARY FORCE MAIN
GAS	EXISTING GAS LINE
PPP	EXISTING PETROLEUM PRODUCT PIPELINE
STM	EXISTING STORM SEWER
EXW	EXISTING WATER LINE
OHU	EXISTING OVERHEAD UTILITY LINE
CAB	EXISTING FIBER OPTIC CABLE LINE
EL	EXISTING ELECTRICAL LINE
	PROPOSED FIRE HYDRANT
	PROPOSED FIRE DEPARTMENT CONNECTION
	PROPOSED STORM INLET
	PROPOSED STORM MANHOLE
	PROPOSED LIGHT POLE (SEE SITE ELECTRICAL PLAN E2.01)

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Drawing Path: P:\2019\500\2019-520\CAD\Civil\Active\19 - 2019.520_SU2.1 TO SU2.7 - Enlarged Site Utility Plan.dwg
Plotted By: bheidenreichTime of Plot: 6/29/20 - 10:22am Last Edited: 6/29/20 - 10:10am

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BRIAN T. KNY, III, HEIDENREICH
REGISTERED No. 11500313 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: BNH
DRAWN BY: HHW
PROJECT NUMBER: 219124.00 / 2019.520
PROJECT ISSUE DATE: 06/05/2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 1	06/19/2020
2	ADDENDUM NO. 2	06/29/2020

ENLARGED SITE UTILITY PLAN

SU2.1

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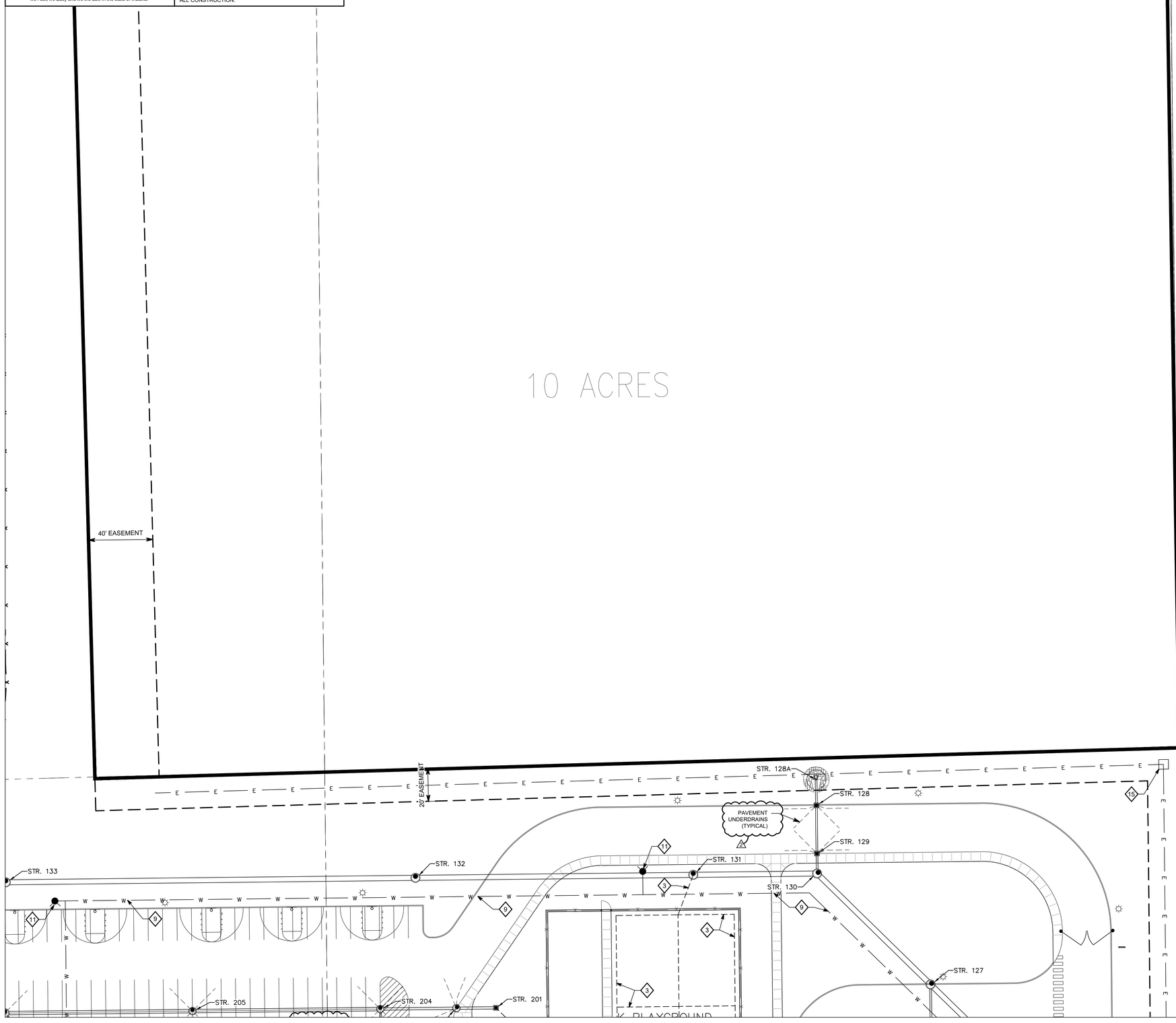

Drawing Path: P:\2019\500\2019-520\CAD\Civil\Active\19 - 2019.520_SU2.1 TO SU2.7 - Enlarged Site Utility Plan.dwg
Plotted By: bheidenreich Time of Plot: 6/29/20 - 10:22am Last Edited: 6/29/20 - 10:10am

NORTH

30 0 30 60 90

GENERAL NOTES

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4. SEE DRAWING SU1.0A FOR STORM SEWER STRUCTURE DATA TABLE.
5. ALL PROPOSED STORM INLETS LOCATED IN PAVED AREAS SHALL INCLUDE PAVEMENT UNDERDRAIN INSTALLATION.

◇ UTILITY KEYNOTES

1. PROPOSED SANITARY CLEANOUT - SEE DETAIL F/SU3.1
2. PROPOSED SANITARY LATERAL - SEE PLUMBING PLAN
3. 4" DIA. UNDERDRAIN, CONNECT TO STORM STRUCTURE
4. PROPOSED STORM CLEANOUT - SEE DETAIL F/SU3.1
5. 6" PVC ROOF DRAIN @ 1.0% MIN.
6. 8" PVC ROOF DRAIN @ 0.5% MIN.
7. 8" PVC ROOF DRAIN @ 1.0% MIN.
8. 8" PVC ROOF DRAIN @ 2.0% MIN
9. 8" DUCTILE IRON WATER LINE - SEE DETAIL K/SU3.2
10. 4" DUCTILE IRON WATER LINE - SEE DETAIL K/SU3.2
11. PROPOSED FIRE HYDRANT - SEE DETAIL F/SU3.2
12. PROPOSED FIRE DEPARTMENT CONNECTION (COORDINATE WITH ZIONSVILLE FIRE DEPARTMENT)
13. PROPOSED POST INDICATOR VALVE (COORDINATE WITH ELECTRICAL CONTRACTOR)
14. RELOCATED FIRE HYDRANT & VALVE
15. PRIMARY ELECTRICAL CABINET (SEE SITE ELEC. PLAN)
16. PROPOSED GAS LINE (COORDINATE WITH VECTREN)
17. COMMUNICATIONS HANDHOLE (SEE SITE TECH/COMM PLANS)
18. RELOCATED POWER/LIGHT POLE
19. INSTALL 4" DIA. UNDERDRAIN & 6" MIN. DEPTH OF 1" DIA. WASHED RIVER GRAVEL AGGREGATE
20. CONNECT TO 6" BUILDING STORM AT INV. 928.50 (SEE PLUMBING PLANS FOR CONTINUATION) (2)
21. PROPOSED SANITARY CLEANOUT - SEE DETAIL S-13/SU3.3
22. 6 L.F. OF 6" SDR-35 PVC @ 2.0% MIN. SLOPE (2)

UTILITY LEGEND

═══	PROPOSED STORM SEWER
- - - - -	PROPOSED ROOF DRAIN
—— W ——	PROPOSED WATER LINE
—— SAN ——	PROPOSED SANITARY SEWER
—— G ——	PROPOSED GAS LINE
—— E ——	PROPOSED PRIMARY ELECTRICAL LINE (SEE SITE ELECTRICAL PLAN)
—— T ——	PROPOSED TECHNOLOGY/COMM LINE
—— S F M ——	EXISTING SANITARY FORCE MAIN
—— GAS ——	EXISTING GAS LINE
—— PPP ——	EXISTING PETROLEUM PRODUCT PIPELINE
—— STM ——	EXISTING STORM SEWER
—— EXW ——	EXISTING WATER LINE
—— OHU ——	EXISTING OVERHEAD UTILITY LINE
—— CAB ——	EXISTING FIBER OPTIC CABLE LINE
—— EL ——	EXISTING ELECTRICAL LINE
	PROPOSED FIRE HYDRANT
	PROPOSED FIRE DEPARTMENT CONNECTION
	PROPOSED STORM INLET
	PROPOSED STORM MANHOLE
	PROPOSED LIGHT POLE (SEE SITE ELECTRICAL PLAN E2.01)

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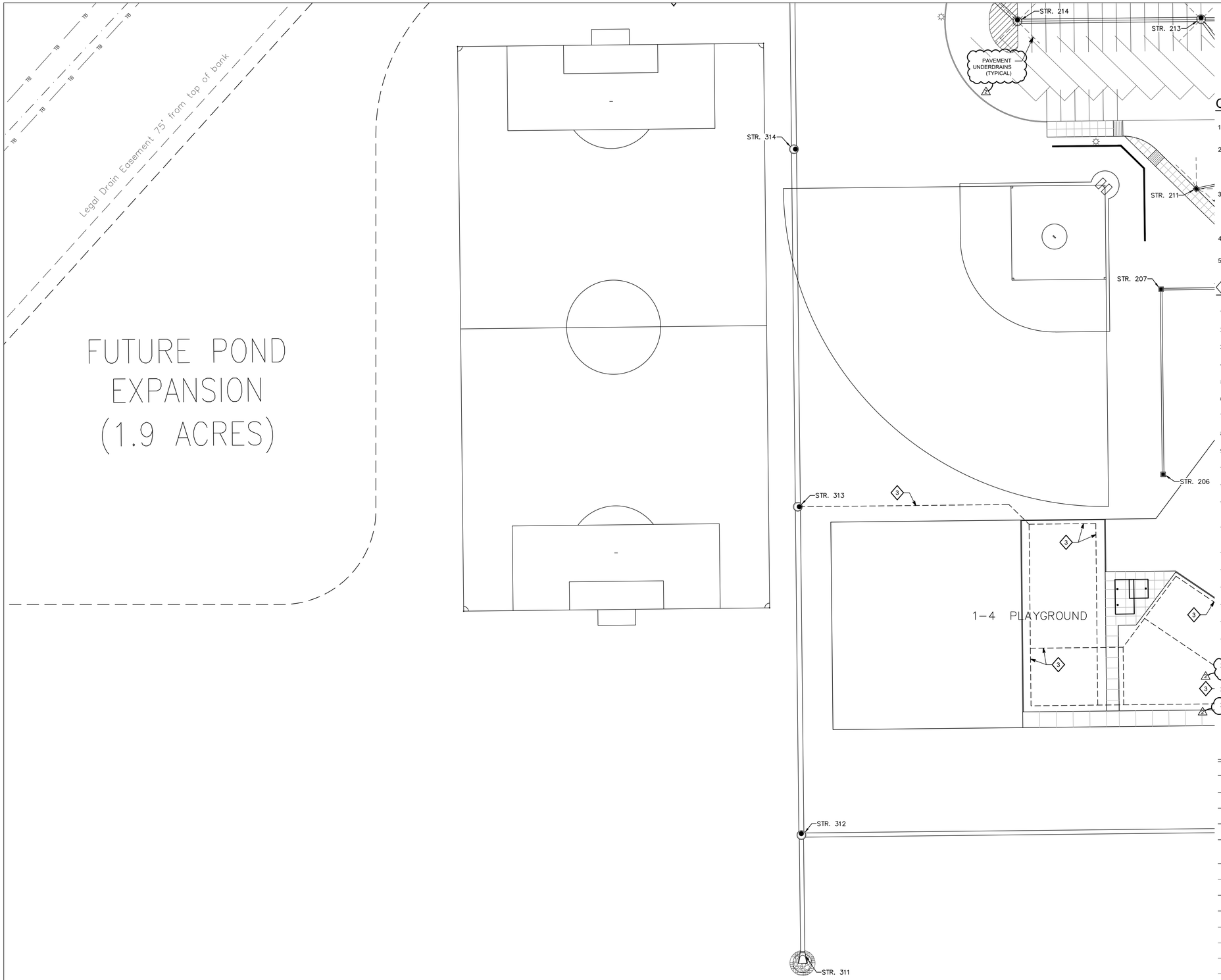
BRITTANY N. HEIDENREICH
REGISTERED No. 11500313 STATE OF INDIANA
PROFESSIONAL ENGINEER

PROJECT MANAGER: BNH
DRAWN BY: HHW
PROJECT NUMBER: 219124.00 / 2019.520
PROJECT ISSUE DATE: 06/05/2020

REV. NO. △	DESCRIPTION	DATE
1	ADDENDUM NO. 1	06/19/2020
2	ADDENDUM NO. 2	06/29/2020

ENLARGED SITE UTILITY PLAN

SU2.2



GENERAL NOTES

1. SEE DRAWING GD0.1 FOR GENERAL NOTES AND ADDITIONAL LEGEND.
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4. SEE DRAWING SU1.0A FOR STORM SEWER STRUCTURE DATA TABLE.
5. ALL PROPOSED STORM INLETS LOCATED IN PAVED AREAS SHALL INCLUDE PAVEMENT UNDERDRAIN INSTALLATION.

UTILITY KEYNOTES

1. PROPOSED SANITARY CLEANOUT - SEE DETAIL F/SU3.1
2. PROPOSED SANITARY LATERAL - SEE PLUMBING PLAN
3. 4" DIA. UNDERDRAIN, CONNECT TO STORM STRUCTURE
4. PROPOSED STORM CLEANOUT - SEE DETAIL F/SU3.1
5. 6" PVC ROOF DRAIN @ 1.0% MIN.
6. 8" PVC ROOF DRAIN @ 0.5% MIN.
7. 8" PVC ROOF DRAIN @ 1.0% MIN.
8. 8" PVC ROOF DRAIN @ 2.0% MIN
9. 8" DUCTILE IRON WATER LINE - SEE DETAIL K/SU3.2
10. 4" DUCTILE IRON WATER LINE - SEE DETAIL K/SU3.2
11. PROPOSED FIRE HYDRANT - SEE DETAIL F/SU3.2
12. PROPOSED FIRE DEPARTMENT CONNECTION (COORDINATE WITH ZIONSVILLE FIRE DEPARTMENT)
13. PROPOSED POST INDICATOR VALVE (COORDINATE WITH ELECTRICAL CONTRACTOR)
14. RELOCATED FIRE HYDRANT & VALVE
15. PRIMARY ELECTRICAL CABINET (SEE SITE ELEC. PLAN)
16. PROPOSED GAS LINE (COORDINATE WITH VECTREN)
17. COMMUNICATIONS HANDHOLE (SEE SITE TECH/COMM PLANS)
18. RELOCATED POWER/LIGHT POLE
19. INSTALL 4" DIA. UNDERDRAIN & 6" MIN. DEPTH OF 1" DIA. WASHED RIVER GRAVEL AGGREGATE
20. CONNECT TO 6" BUILDING STORM AT INV. 928.50 (SEE PLUMBING PLANS FOR CONTINUATION)
21. PROPOSED SANITARY CLEANOUT - SEE DETAIL S-13/SU3.3
22. 6 L.F. OF 6" SDR-35 PVC @ 2.0% MIN. SLOPE

UTILITY LEGEND

	PROPOSED STORM SEWER
	PROPOSED ROOF DRAIN
W	PROPOSED WATER LINE
SAN	PROPOSED SANITARY SEWER
G	PROPOSED GAS LINE
E	PROPOSED PRIMARY ELECTRICAL LINE (SEE SITE ELECTRICAL PLAN)
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S F M	EXISTING SANITARY FORCE MAIN
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CAB	EXISTING FIBER OPTIC CABLE LINE
EL	EXISTING ELECTRICAL LINE
	PROPOSED FIRE HYDRANT
	PROPOSED FIRE DEPARTMENT CONNECTION
	PROPOSED STORM INLET
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Drawing Path: P:\2019\520\2019-520\CAD\Civil\Active\19 - 2019.520_SU2.1 TO SU2.7 - Enlarged Site Utility Plan.dwg
Plotted By: bheidenreichtime of Plot: 6/29/20 - 10:22am Last Edited: 6/29/20 - 10:10am

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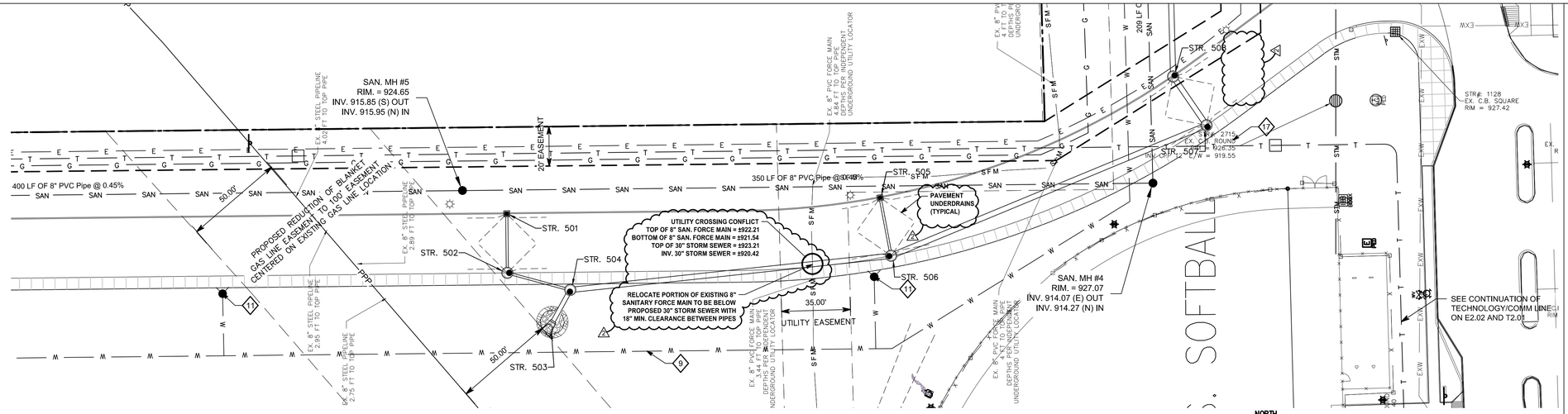
STATE OF INDIANA
PROFESSIONAL ENGINEER

PROJECT MANAGER: BNH
DRAWN BY: HHW
PROJECT NUMBER: 219124.00 / 2019.520
PROJECT ISSUE DATE: 06/05/2020

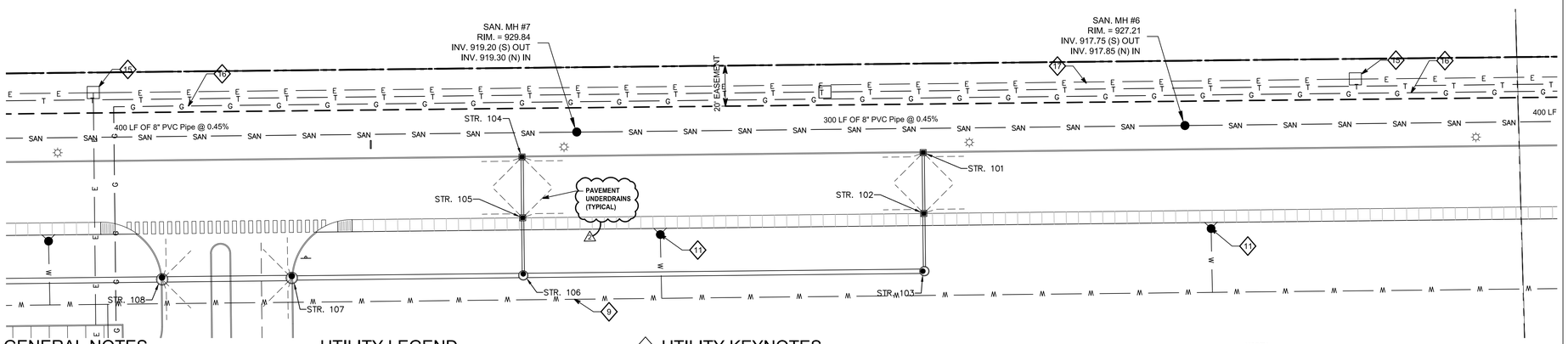
REV. NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 1	06/19/2020
2	ADDENDUM NO. 2	06/29/2020

ENLARGED SITE UTILITY PLAN

SU2.4



ENLARGEMENT A



ENLARGEMENT B

GENERAL NOTES

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4. SEE DRAWING SU1.0A FOR STORM SEWER STRUCTURE DATA TABLE.
5. ALL PROPOSED STORM INLETS LOCATED IN PAVED AREAS SHALL INCLUDE PAVEMENT UNDERDRAIN INSTALLATION.

UTILITY LEGEND

- PROPOSED STORM SEWER
- PROPOSED ROOF DRAIN
- W — PROPOSED WATER LINE
- SAN — PROPOSED SANITARY SEWER
- G — PROPOSED GAS LINE
- E — PROPOSED PRIMARY ELECTRICAL LINE (SEE SITE ELECTRICAL PLAN)
- T — PROPOSED TECHNOLOGY/COMM LINE
- S F M — EXISTING SANITARY FORCE MAIN
- GAS — EXISTING GAS LINE
- PPP — EXISTING PETROLEUM PRODUCT PIPELINE
- STM — EXISTING STORM SEWER
- EXW — EXISTING WATER LINE
- OHU — EXISTING OVERHEAD UTILITY LINE
- CAB — EXISTING FIBER OPTIC CABLE LINE
- EL — EXISTING ELECTRICAL LINE
- PROPOSED FIRE HYDRANT
- PROPOSED FIRE DEPARTMENT CONNECTION
- PROPOSED STORM INLET
- PROPOSED STORM MANHOLE
- PROPOSED LIGHT POLE (SEE SITE ELECTRICAL PLAN E2.01)

UTILITY KEYNOTES

1. PROPOSED SANITARY CLEANOUT - SEE DETAIL F/SU3.1
2. PROPOSED SANITARY LATERAL - SEE PLUMBING PLAN
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6. 8" PVC ROOF DRAIN @ 0.5% MIN.
7. 8" PVC ROOF DRAIN @ 1.0% MIN.
8. 8" PVC ROOF DRAIN @ 2.0% MIN
9. 8" DUCTILE IRON WATER LINE - SEE DETAIL K/SU3.2
10. 4" DUCTILE IRON WATER LINE - SEE DETAIL K/SU3.2
11. PROPOSED FIRE HYDRANT - SEE DETAIL F/SU3.2
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18. RELOCATED POWER/LIGHT POLE
19. INSTALL 4" DIA. UNDERDRAIN & 6" MIN. DEPTH OF 1" DIA. WASHED RIVER GRAVEL AGGREGATE
20. CONNECT TO 6" BUILDING STORM AT INV. 928.50 (SEE PLUMBING PLANS FOR CONTINUATION) (Δ2)
21. PROPOSED SANITARY CLEANOUT - SEE DETAIL S-13/SU3.3
22. 6 L.F. OF 6" SDR-35 PVC @ 2.0% MIN. SLOPE (Δ2)

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Indianapolis, IN 46268
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BRIAN H. HEDINGER REGISTERED No. 11500313 STATE OF INDIANA PROFESSIONAL ENGINEER

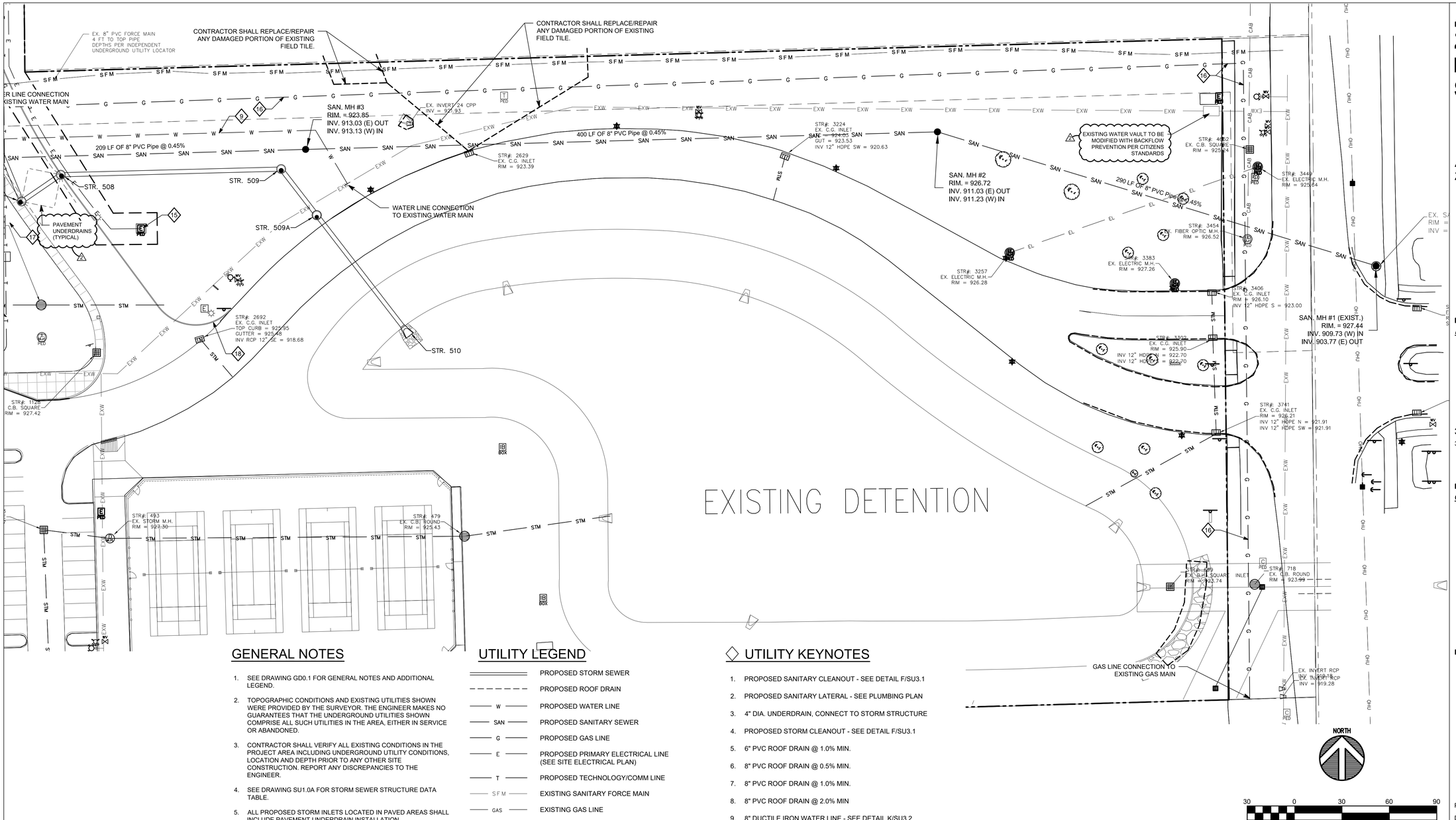
PROJECT MANAGER: BNH
DRAWN BY: HHW
PROJECT NUMBER: 219124.00 / 2019.520
PROJECT ISSUE DATE: 06/05/2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 1	06/19/2020
2	ADDENDUM NO. 2	06/29/2020

ENLARGED SITE UTILITY PLAN

SU2.5

Drawing Path: P:\2019\520\2019-520\CAD\Civil\Active\19 - 2019.520_SU2.1 TO SU2.7 - Enlarged Site Utility Plan.dwg
Plotted By: bhedinger Lastime of Plot: 6/29/20 - 10:22am Last Edited: 6/29/20 - 10:10am



GENERAL NOTES

1. SEE DRAWING GD0.1 FOR GENERAL NOTES AND ADDITIONAL LEGEND.
2. TOPOGRAPHIC CONDITIONS AND EXISTING UTILITIES SHOWN WERE PROVIDED BY THE SURVEYOR. THE ENGINEER MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED.
3. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE PROJECT AREA INCLUDING UNDERGROUND UTILITY CONDITIONS, LOCATION AND DEPTH PRIOR TO ANY OTHER SITE CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER.
4. SEE DRAWING SU1.0A FOR STORM SEWER STRUCTURE DATA TABLE.
5. ALL PROPOSED STORM INLETS LOCATED IN PAVED AREAS SHALL INCLUDE PAVEMENT UNDERDRAIN INSTALLATION.

UTILITY LEGEND

- PROPOSED STORM SEWER
- PROPOSED ROOF DRAIN
- W — PROPOSED WATER LINE
- SAN — PROPOSED SANITARY SEWER
- G — PROPOSED GAS LINE
- E — PROPOSED PRIMARY ELECTRICAL LINE (SEE SITE ELECTRICAL PLAN)
- T — PROPOSED TECHNOLOGY/COMM LINE
- S F M — EXISTING SANITARY FORCE MAIN
- GAS — EXISTING GAS LINE
- PPP — EXISTING PETROLEUM PRODUCT PIPELINE
- STM — EXISTING STORM SEWER
- EXW — EXISTING WATER LINE
- OHU — EXISTING OVERHEAD UTILITY LINE
- CAB — EXISTING FIBER OPTIC CABLE LINE
- EL — EXISTING ELECTRICAL LINE
- PROPOSED FIRE HYDRANT
- PROPOSED FIRE DEPARTMENT CONNECTION
- PROPOSED STORM INLET
- PROPOSED STORM MANHOLE
- PROPOSED LIGHT POLE (SEE SITE ELECTRICAL PLAN E2.01)

◇ UTILITY KEYNOTES

1. PROPOSED SANITARY CLEANOUT - SEE DETAIL F/SU3.1
2. PROPOSED SANITARY LATERAL - SEE PLUMBING PLAN
3. 4" DIA. UNDERDRAIN, CONNECT TO STORM STRUCTURE
4. PROPOSED STORM CLEANOUT - SEE DETAIL F/SU3.1
5. 6" PVC ROOF DRAIN @ 1.0% MIN.
6. 8" PVC ROOF DRAIN @ 0.5% MIN.
7. 8" PVC ROOF DRAIN @ 1.0% MIN.
8. 8" PVC ROOF DRAIN @ 2.0% MIN
9. 8" DUCTILE IRON WATER LINE - SEE DETAIL K/SU3.2
10. 4" DUCTILE IRON WATER LINE - SEE DETAIL K/SU3.2
11. PROPOSED FIRE HYDRANT - SEE DETAIL F/SU3.2
12. PROPOSED FIRE DEPARTMENT CONNECTION (COORDINATE WITH ZIONSVILLE FIRE DEPARTMENT)
13. PROPOSED POST INDICATOR VALVE (COORDINATE WITH ELECTRICAL CONTRACTOR)
14. RELOCATED FIRE HYDRANT & VALVE
15. PRIMARY ELECTRICAL CABINET (SEE SITE ELEC. PLAN)
16. PROPOSED GAS LINE (COORDINATE WITH VECTREN)
17. COMMUNICATIONS HANDHOLE (SEE SITE TECH/COMM PLANS)
18. RELOCATED POWER/LIGHT POLE
19. INSTALL 4" DIA. UNDERDRAIN & 6" MIN. DEPTH OF 1" DIA. WASHED RIVER GRAVEL AGGREGATE
20. CONNECT TO 6" BUILDING STORM AT INV. 928.50 (SEE PLUMBING PLANS FOR CONTINUATION) (2)
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Drawing Path: P:\2019\500\2019-520\CAD\Civil\Active\19 - 2019.520_SU2.1 TO SU2.7 - Enlarged Site Utility Plan.dwg
Plotted By: bheidenreichTime of Plot: 6/29/20 - 10:23am Last Edited: 6/29/20 - 10:10am

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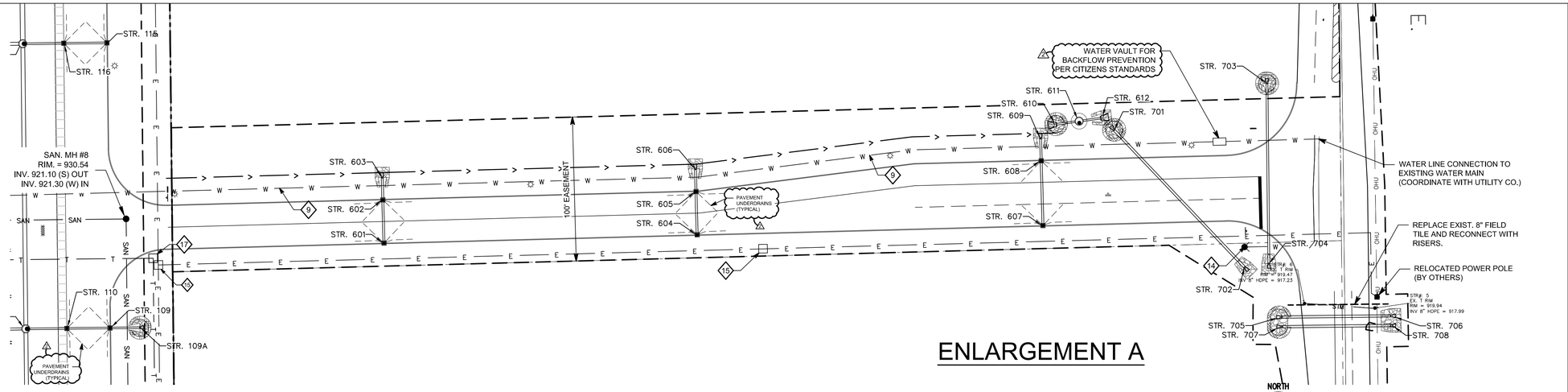
BRIAN NY H. HEIDENREICH
REGISTERED
No. 11500313
STATE OF INDIANA
PROFESSIONAL ENGINEER

PROJECT MANAGER: BNH
DRAWN BY: HHW
PROJECT NUMBER: 219124.00 / 2019.520
PROJECT ISSUE DATE: 06/05/2020

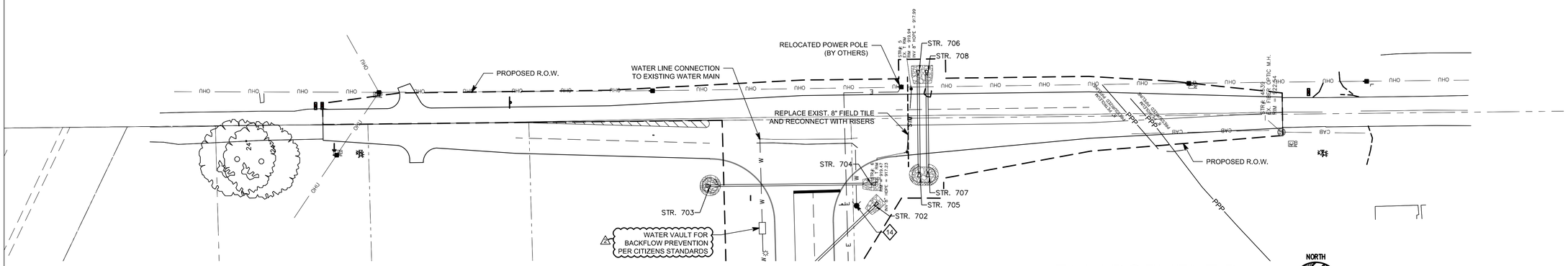
REV. NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 1	06/19/2020
2	ADDENDUM NO. 2	06/29/2020

ENLARGED SITE UTILITY PLAN

SU2.6



ENLARGEMENT A



ENLARGEMENT B

GENERAL NOTES

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- PROPOSED STORM MANHOLE
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2. PROPOSED SANITARY LATERAL - SEE PLUMBING PLAN
3. 4" DIA. UNDERDRAIN, CONNECT TO STORM STRUCTURE
4. PROPOSED STORM CLEANOUT - SEE DETAIL F/SU3.1
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8. 8" PVC ROOF DRAIN @ 2.0% MIN
9. 8" DUCTILE IRON WATER LINE - SEE DETAIL K/SU3.2
10. 4" DUCTILE IRON WATER LINE - SEE DETAIL K/SU3.2
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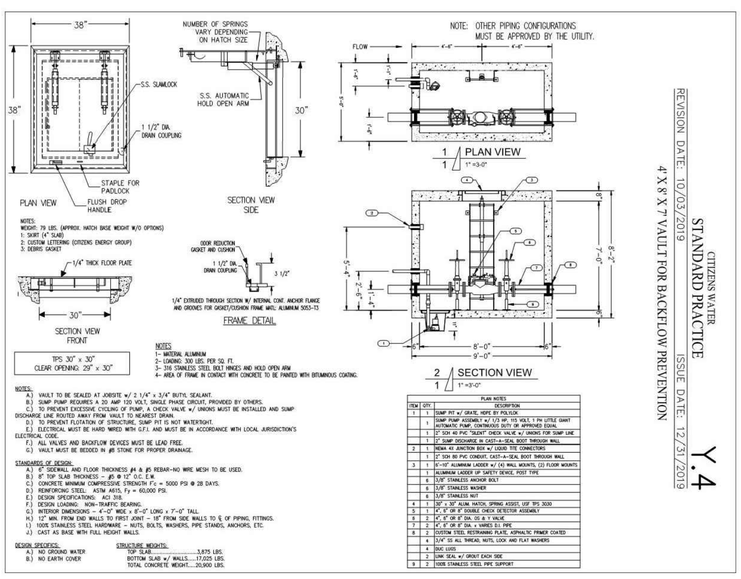

NOTES:
A.) VAULT TO BE SEALED AT JOBSITE w/ 2 1/4" x 3/4" BUTYL SEALANT.
B.) SUMP PUMP REQUIRES A 20 AMP 120 VOLT, SINGLE PHASE CIRCUIT, PROVIDED BY OTHERS.
C.) TO PREVENT EXCESSIVE CYCLING OF PUMP, A CHECK VALVE w/ UNIONS MUST BE INSTALLED AND SUMP DISCHARGE LINE ROUTED AWAY FROM VAULT TO NEAREST DRAIN.
D.) TO PREVENT FLOTATION OF STRUCTURE, SUMP PIT IS NOT WATERTIGHT.
E.) ELECTRICAL MUST BE HARD WIRED WITH G.F.I. AND MUST BE IN ACCORDANCE WITH LOCAL JURISDICTION'S ELECTRICAL CODE.
F.) ALL VALVES AND BACKFLOW DEVICES MUST BE LEAD FREE.
G.) VAULT MUST BE BEDDED IN #8 STONE FOR PROPER DRAINAGE.

STANDARDS OF DESIGN:
A.) 6" SIDEWALL AND FLOOR THICKNESS @4 in @5 REBAR-NO WIRE MESH TO BE USED.
B.) 6" TOP SLAB THICKNESS - @5 @ 12" O.C. E.W.
C.) CONCRETE MINIMUM COMPRESSIVE STRENGTH F'c = 5000 PSI @ 28 DAYS.
D.) REINFORCING STEEL: ASTM A615, Fy = 60,000 PSI.
E.) DESIGN SPECIFICATIONS: ACI 318.
F.) DESIGN LOADING: NON-TRAFFIC BEARING.
G.) INTERIOR DIMENSIONS = 4'-0" WIDE x 8'-0" LONG x 7'-0" TALL.
H.) 12" MIN. FROM END WALLS TO FIRST JOINT - 18" FROM SIDE WALLS TO ℄ OF PIPING, FITTINGS.
I.) 100% STAINLESS STEEL HARDWARE - NUTS, BOLTS, WASHERS, PIPE STANDS, ANCHORS, ETC.
J.) CAST AS BASE WITH FULL HEIGHT WALLS.

DESIGN SPECIFICS:
A.) NO GROUND WATER
B.) NO EARTH COVER

STRUCTURE WEIGHTS:
TOP SLAB.....3,875 LBS.
BOTTOM SLAB w/ WALLS....17,025 LBS.
TOTAL CONCRETE WEIGHT....20,900 LBS.

PLAN NOTES		
ITEM	QTY	DESCRIPTION
1	1	SUMP PIT w/ GRATE, HDPE BY POLYLOK
	1	SUMP PUMP ASSEMBLY w/ 1/3 HP, 115 VOLT 1 PH LITTLE GIANT AUTOMATIC PUMP, CONTINUOUS DUTY OR APPROVED EQUAL
	1	2" SCH 40 PVC "SILENT" CHECK VALVE w/ UNIONS FOR SUMP LINE
	1	2" SUMP DISCHARGE IN CAST-A-SEAL BOOT THROUGH WALL
2	1	NEMA 4X JUNCTION BOX w/ LIQUIDS TITE CONNECTORS
	1	2" SCH 80 PVC CONDUIT, CAST-A-SEAL BOOT THROUGH WALL
3	1	16'-0" ALUMINUM LADDER w/ (6) WALL MOUNTS, (2) FLOOR MOUNTS
	1	ALUMINUM LADDER UP SAFETY DEVICE, POST TYPE
	6	3/8" STAINLESS ANCHOR BOLT
	6	3/8" STAINLESS WASHER
	6	3/8" STAINLESS NUT
4	1	30" x 30" ALUM. HATCH, SPRING ASSIST, USF TPS 3030
5	1	4", 8" OR 6" DOUBLE CHECK DETECTOR ASSEMBLY
6	2	4", 6" OR 8" DIA. GS & Y VALVE
7	2	4", 6" OR 8" DIA. x VARES ELL PIPE
8	2	CUSTOM STEEL RESTRAINING PLATE, ASPHALTIC PRIMER COATED
	6	1/4" SS ALL THREAD, NUTS, LOCK AND FLAT WASHERS
	6	BAR GRIPS
	2	SUMP SEAL w/ GROUT EACH SIDE
9	2	VARES STAINLESS STEEL PIPE SUPPORT

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PROJECT MANAGER: BNH
DRAWN BY: HHW
PROJECT NUMBER: 219124.00 / 2019.520
PROJECT ISSUE DATE: 06/05/2020

REV. NO.	DESCRIPTION	DATE
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ENLARGED SITE UTILITY PLAN

SU2.7

Drawing Path: P:\2019\520\2019-520\CAD\Civil\Active\19 - 2019.520_SU2.1 TO SU2.7 - Enlarged Site Utility Plan.dwg
Plotted By: bheidenreichTime of Plot: 6/29/20 - 10:23am Last Edited: 6/29/20 - 10:10am

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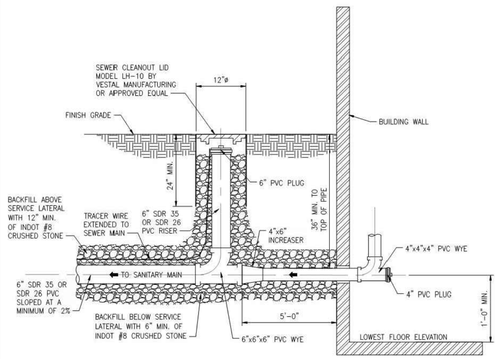


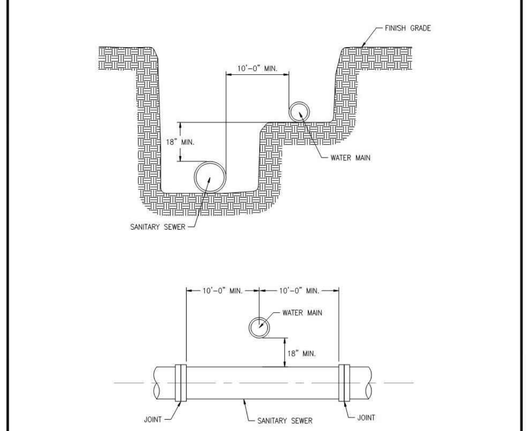
NOTES:
1. LOWEST FLOOR ELEVATION RECEIVING GRAVITY SERVICE MUST BE A MINIMUM OF ONE FOOT ABOVE THE TOP OF THE NEAREST MANHOLE RIM ELEVATION.
2. A CLEANOUT IS REQUIRED AT EACH BEND GREATER THAN 45 DEGREES AND EVERY 100 FEET ALONG A SANITARY LATERAL.
3. THERE SHALL BE NO BASEMENT DRAINS CONNECTED TO THE SANITARY MAIN.
4. SDR 26 PVC SHALL BE USED IN LIEU OF SDR 35 PVC FOR INSTALLATIONS UNDER PAVED SURFACES.

ZIONSVILLE — FOR ALL THE RIGHT REASONS

SANITARY CLEANOUT AND NEW LATERAL INSTALLATION

STANDARD CONSTRUCTION DETAILS
TOWN OF ZIONSVILLE

DRAWN: DCW
DATE: NOV. 2019
BLN — BEAM-LONGEST-NEFF
DETAIL NO. **S-15**



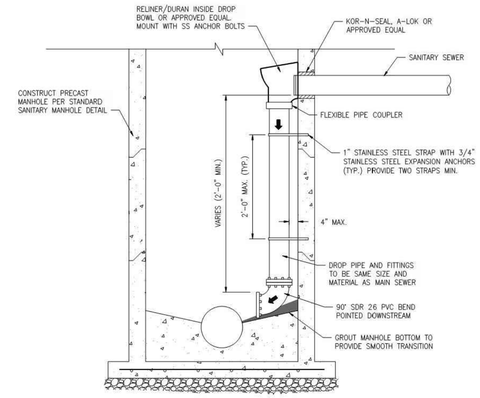
NOTES:
1. IF THE MINIMUM VERTICAL OR HORIZONTAL SEPARATION INDICATED CANNOT BE MET, THE SANITARY SEWER PIPE MATERIAL SHALL BE DR18 AWWA C900 PVC, DR21 AWWA C905 PVC, OR CLASS 51 DUCTILE IRON.
2. IF VERTICAL SEPARATION BETWEEN THE WATER MAIN AND SANITARY SEWER IS LESS THAN 12", A 4,000 PSI CONCRETE CRADLE MUST BE PROVIDED FOR SUPPORT. A MINIMUM CLEAR DISTANCE OF 3" BETWEEN THE WATER AND SANITARY MUST BE PROVIDED TO MAINTAIN STRUCTURAL INTEGRITY OF THE CONCRETE.

ZIONSVILLE — FOR ALL THE RIGHT REASONS

WATER AND SEWER CROSSING

STANDARD CONSTRUCTION DETAILS
TOWN OF ZIONSVILLE

DRAWN: DCW
DATE: NOV. 2019
BLN — BEAM-LONGEST-NEFF
DETAIL NO. **S-10**

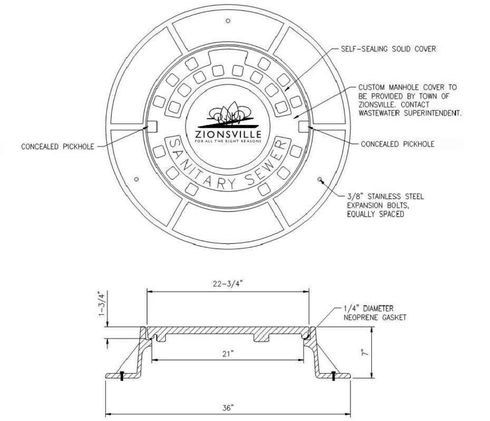


ZIONSVILLE — FOR ALL THE RIGHT REASONS

INSIDE DROP SANITARY MANHOLE

STANDARD CONSTRUCTION DETAILS
TOWN OF ZIONSVILLE

DRAWN: DCW
DATE: NOV. 2019
BLN — BEAM-LONGEST-NEFF
DETAIL NO. **S-4**



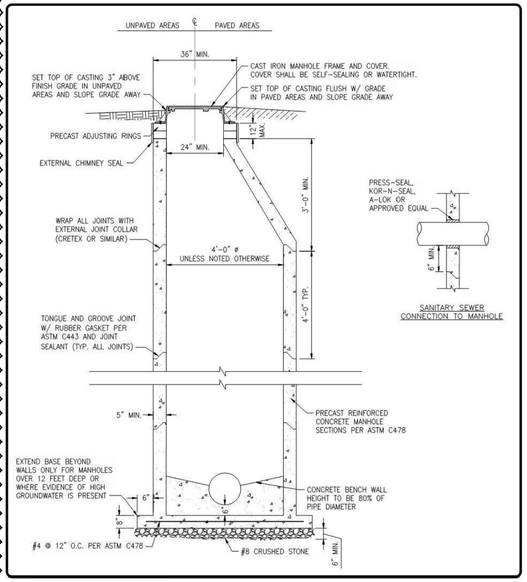
NOTES:
1. FRAME SHALL BE CATALOG NUMBER 1022 AS MANUFACTURED BY EAST JORDAN IRON WORKS. LID SHALL BE PROVIDED BY TOWN OF ZIONSVILLE.

ZIONSVILLE — FOR ALL THE RIGHT REASONS

SANITARY MANHOLE FRAME AND COVER

STANDARD CONSTRUCTION DETAILS
TOWN OF ZIONSVILLE

DRAWN: DCW
DATE: NOV. 2019
BLN — BEAM-LONGEST-NEFF
DETAIL NO. **S-7**

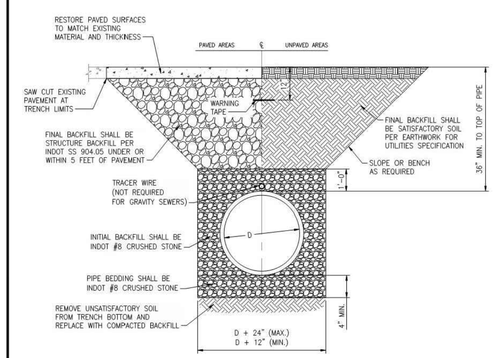


ZIONSVILLE — FOR ALL THE RIGHT REASONS

STANDARD SANITARY MANHOLE

STANDARD CONSTRUCTION DETAILS
TOWN OF ZIONSVILLE

DRAWN: DCW
DATE: NOV. 2019
BLN — BEAM-LONGEST-NEFF
DETAIL NO. **S-1**



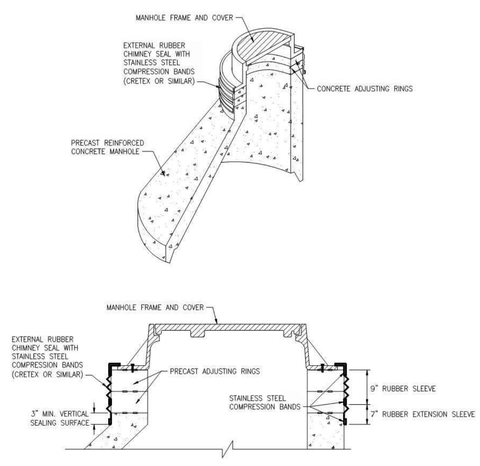
NOTES:
1. FLOWABLE FILL MAY BE USED AS BACKFILL ONLY WITH PRIOR APPROVAL FROM THE WASTEWATER SUPERINTENDENT OR TOWN ENGINEER.

ZIONSVILLE — FOR ALL THE RIGHT REASONS

SANITARY SEWER TRENCH AND BEDDING

STANDARD CONSTRUCTION DETAILS
TOWN OF ZIONSVILLE

DRAWN: DCW
DATE: NOV. 2019
BLN — BEAM-LONGEST-NEFF
DETAIL NO. **S-9**



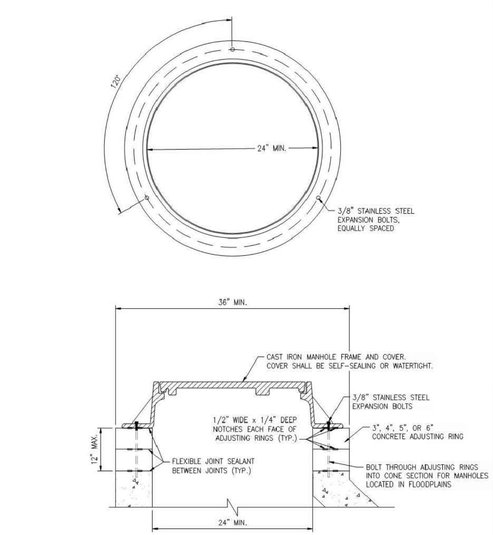
NOTES:
1. ADD RUBBER EXTENSION SLEEVES AS NECESSARY TO COMPLETELY COVER THE HEIGHT OF CONCRETE ADJUSTING RINGS. EXTERIOR CHIMNEY SEAL SHALL OVERLAP MANHOLE CONE SECTION A MINIMUM OF 3".

ZIONSVILLE — FOR ALL THE RIGHT REASONS

EXTERNAL CHIMNEY SEAL

STANDARD CONSTRUCTION DETAILS
TOWN OF ZIONSVILLE

DRAWN: DCW
DATE: NOV. 2019
BLN — BEAM-LONGEST-NEFF
DETAIL NO. **S-6**



ZIONSVILLE — FOR ALL THE RIGHT REASONS

ADJUSTING RING

STANDARD CONSTRUCTION DETAILS
TOWN OF ZIONSVILLE

DRAWN: DCW
DATE: NOV. 2019
BLN — BEAM-LONGEST-NEFF
DETAIL NO. **S-5**

CONTRACTOR TO REFER TO TOWN OF ZIONSVILLE STANDARD WASTEWATER CONSTRUCTION SPECIFICATIONS DATED NOVEMBER 2019 OR CURRENT EDITION

ARCHITECT

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BRIAN T. ANY N. HEDENQUIST — REGISTERED No. 11500313 — STATE OF INDIANA — PROFESSIONAL ENGINEER

PROJECT MANAGER: BNH
DRAWN BY: HHW
PROJECT NUMBER: 219124.00 / 2019.520
PROJECT ISSUE DATE: 06/05/2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 1	06/19/2020
2	ADDENDUM NO. 2	06/29/2020

SITE UTILITY DETAILS

SU3.3

Drawing Path: P:\2019\500\2019-520\CAD\Civil\Active\20 - 2019.520_SU3.1 TO SU3.3 - Site Utility Details.dwg
Plotted By: bheidenreich Time of Plot: 6/29/20 - 10:43am Last Edited: 6/29/20 - 10:33am

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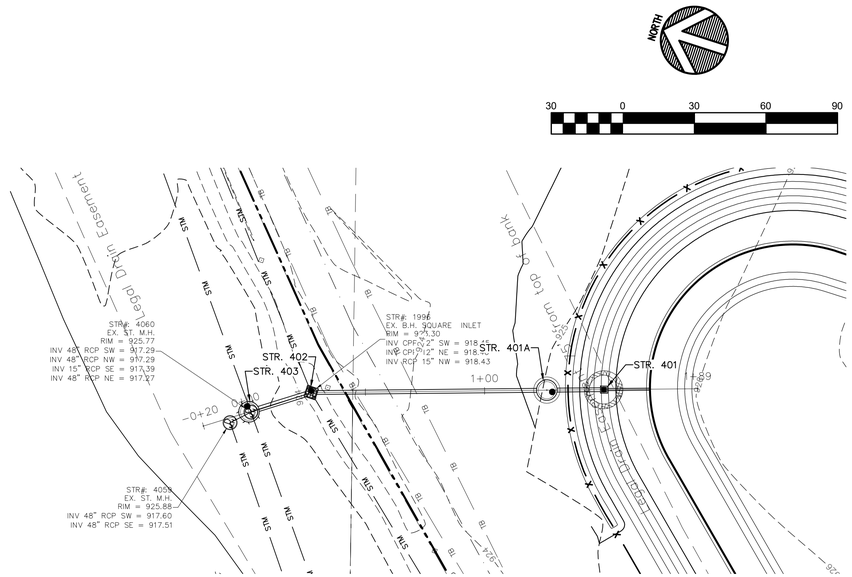

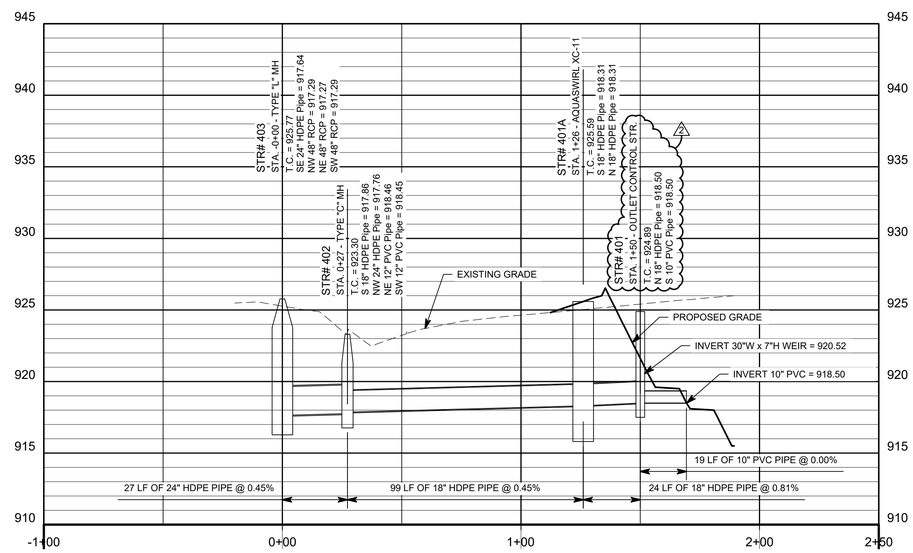

UTILITY LEGEND

═══	PROPOSED STORM SEWER
- - - - - -	PROPOSED ROOF DRAIN
W	PROPOSED WATER LINE
SAN	PROPOSED SANITARY SEWER
G	PROPOSED GAS LINE
E	PROPOSED PRIMARY ELECTRICAL LINE (SEE SITE ELECTRICAL PLAN)
T	PROPOSED TELEPHONE/DATA LINE
S F M	EXISTING SANITARY FORCE MAIN
GAS	EXISTING GAS LINE
PPP	EXISTING PETROLEUM PRODUCT PIPELINE
STM	EXISTING STORM SEWER
EXW	EXISTING WATER LINE
OHU	EXISTING OVERHEAD UTILITY LINE
CAB	EXISTING FIBER OPTIC CABLE LINE
EL	EXISTING ELECTRICAL LINE
	PROPOSED FIRE HYDRANT
	PROPOSED FIRE DEPARTMENT CONNECTION
	PROPOSED STORM INLET
	PROPOSED STORM MANHOLE

GENERAL NOTES

1. SEE DRAWING GD0.1 FOR GENERAL NOTES AND ADDITIONAL LEGEND.
2. TOPOGRAPHIC CONDITIONS AND EXISTING UTILITIES SHOWN WERE PROVIDED BY THE SURVEYOR. THE ENGINEER MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED.
3. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE PROJECT AREA INCLUDING UNDERGROUND UTILITY CONDITIONS, LOCATION AND DEPTH PRIOR TO ANY OTHER SITE CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER.
4. SEE DRAWING SU1.0A FOR STORM SEWER STRUCTURE DATA TABLE.

811
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CAUTION !!

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BRITANY N. HEIDENREICH
REGISTERED No. 11500313
STATE OF INDIANA
PROFESSIONAL ENGINEER

PROJECT MANAGER: BNH
DRAWN BY: HHW
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1	ADDENDUM NO. 1	06/19/2020
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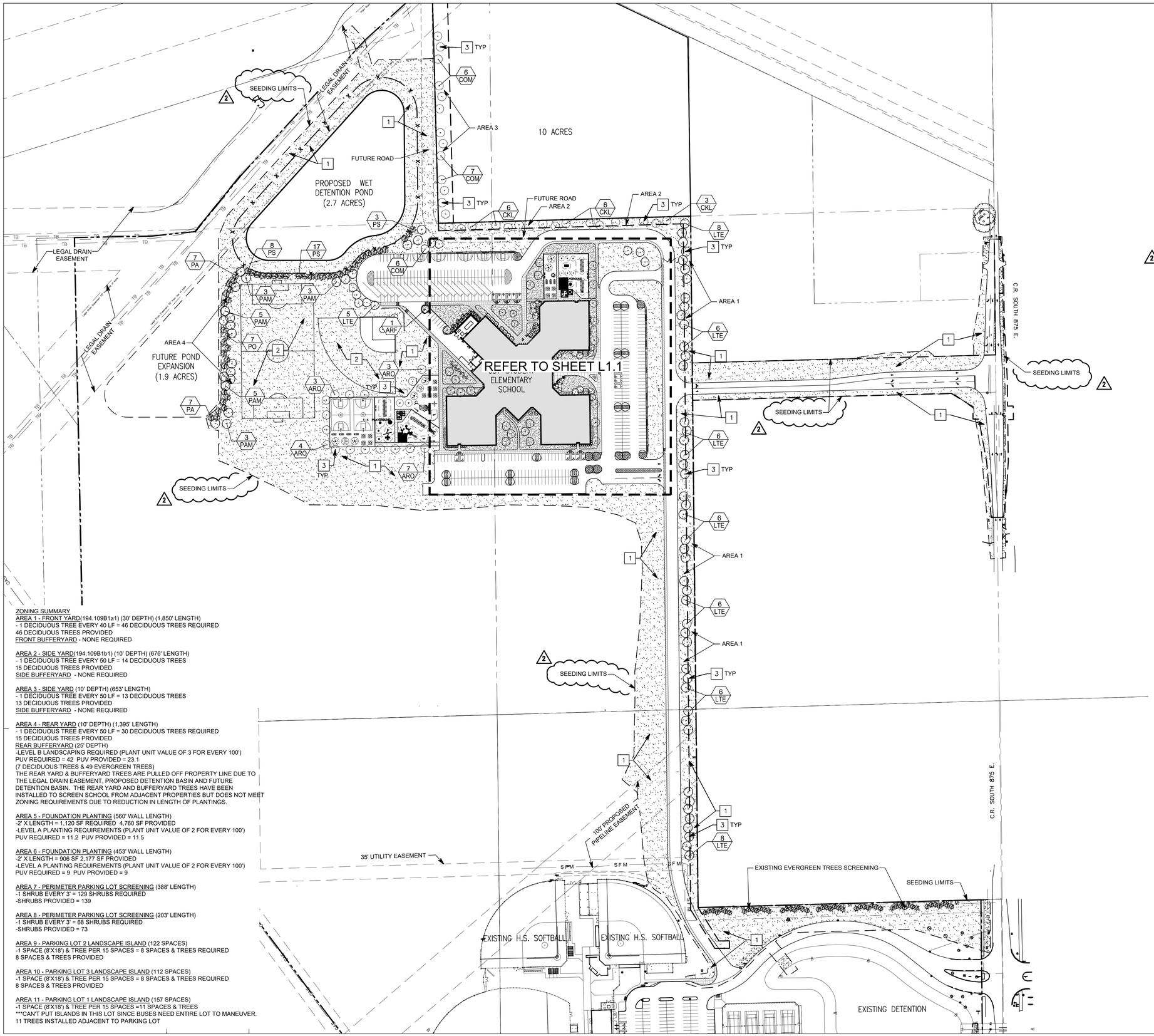
STORM SEWER PLAN AND PROFILE

SU5.1

Drawing Path: P:\2019\500\2019-520\CAD\Civil\Active\22 - 2019.520_SU5.1 TO SU5.1 - Storm Plan Profile.dwg
Plotted By: bheidenreichTime of Plot: 6/29/20 - 10:23am Last Edited: 6/29/20 - 9:51am



ZONING SUMMARY

AREA 1 - FRONT YARD(194.109B1a1) (30' DEPTH) (1,850' LENGTH)
- 1 DECIDUOUS TREE EVERY 40 LF = 46 DECIDUOUS TREES REQUIRED
46 DECIDUOUS TREES PROVIDED
FRONT BUFFERYARD - NONE REQUIRED

AREA 2 - SIDE YARD(194.109B1b1) (10' DEPTH) (676' LENGTH)
- 1 DECIDUOUS TREE EVERY 50 LF = 14 DECIDUOUS TREES
15 DECIDUOUS TREES PROVIDED
SIDE BUFFERYARD - NONE REQUIRED

AREA 3 - SIDE YARD (10' DEPTH) (653' LENGTH)
- 1 DECIDUOUS TREE EVERY 50 LF = 13 DECIDUOUS TREES
13 DECIDUOUS TREES PROVIDED
SIDE BUFFERYARD - NONE REQUIRED

AREA 4 - REAR YARD (10' DEPTH) (1,395' LENGTH)
- 1 DECIDUOUS TREE EVERY 50 LF = 30 DECIDUOUS TREES REQUIRED
15 DECIDUOUS TREES PROVIDED
REAR BUFFERYARD (25' DEPTH)
-LEVEL B LANDSCAPING REQUIRED (PLANT UNIT VALUE OF 3 FOR EVERY 100')
PUV REQUIRED = 42 PUV PROVIDED = 23.1
(7 DECIDUOUS TREES & 49 EVERGREEN TREES)
THE REAR YARD & BUFFERYARD TREES ARE PULLED OFF PROPERTY LINE DUE TO THE LEGAL DRAIN EASEMENT, PROPOSED DETENTION BASIN AND FUTURE DETENTION BASIN. THE REAR YARD AND BUFFERYARD TREES HAVE BEEN INSTALLED TO SCREEN SCHOOL FROM ADJACENT PROPERTIES BUT DOES NOT MEET ZONING REQUIREMENTS DUE TO REDUCTION IN LENGTH OF PLANTINGS.

AREA 5 - FOUNDATION PLANTING (560' WALL LENGTH)
-2' X LENGTH = 1,120 SF REQUIRED 4,760 SF PROVIDED
-LEVEL A PLANTING REQUIREMENTS (PLANT UNIT VALUE OF 2 FOR EVERY 100')
PUV REQUIRED = 11.2 PUV PROVIDED = 11.5

AREA 6 - FOUNDATION PLANTING (453' WALL LENGTH)
-2' X LENGTH = 906 SF 2,177 SF PROVIDED
-LEVEL A PLANTING REQUIREMENTS (PLANT UNIT VALUE OF 2 FOR EVERY 100')
PUV REQUIRED = 9 PUV PROVIDED = 9

AREA 7 - PERIMETER PARKING LOT SCREENING (388' LENGTH)
-1 SHRUB EVERY 3' = 129 SHRUBS REQUIRED
-SHRUBS PROVIDED = 139

AREA 8 - PERIMETER PARKING LOT SCREENING (203' LENGTH)
-1 SHRUB EVERY 3' = 68 SHRUBS REQUIRED
-SHRUBS PROVIDED = 73

AREA 9 - PARKING LOT 2 LANDSCAPE ISLAND (122 SPACES)
-1 SPACE (8'X18') & TREE PER 15 SPACES = 8 SPACES & TREES REQUIRED
8 SPACES & TREES PROVIDED

AREA 10 - PARKING LOT 3 LANDSCAPE ISLAND (112 SPACES)
-1 SPACE (8'X18') & TREE PER 15 SPACES = 8 SPACES & TREES REQUIRED
8 SPACES & TREES PROVIDED

AREA 11 - PARKING LOT 1 LANDSCAPE ISLAND (157 SPACES)
-1 SPACE (8'X18') & TREE PER 15 SPACES =11 SPACES & TREES
***CAN'T PUT ISLANDS IN THIS LOT SINCE BUSES NEED ENTIRE LOT TO MANEUVER.
11 TREES INSTALLED ADJACENT TO PARKING LOT

Drawing Path: P:\2019\500\2019-520\CAD\Civil\Active\24 - 2019.520_L1.0 - Overall Landscape Plan.dwg
Plotted By: bheidenreichTime of Plot: 6/29/20 - 10:24am Last Edited: 6/25/20 - 9:41am

NORTH

120 60 0 120 240 360

GENERAL NOTES

1. SEE DRAWING GD0.1 FOR GENERAL NOTES AND ADDITIONAL LEGEND.
2. ALL TREES IN LAWN AREAS TO HAVE A SHREDDED HARDWOOD MULCH TREE RING PER DETAIL A/L1.2.
3. MINERAL MULCH BEDS THAT ABUT LAWN TO HAVE STEEL EDGING PER DETAIL F/L1.2.
4. SHREDDED HARDWOOD LANDSCAPE BEDS THAT ABUT LAWNS TO HAVE TRENCHED BED EDGE PER DETAIL D/L1.2.
5. LANDSCAPE BEDS TO HAVE 4" DEEP WASHED RIVER ROCK PER SPECIFICATIONS & DETAIL E/L1.2.
6. ATHLETIC FIELDS TO HAVE 1.5 THE STANDARD RATE OF SEED PER SPECIFICATIONS.

PROPOSED LANDSCAPE LEGEND

- PROPOSED 2 1/2" CAL. DECIDUOUS TREE
- PROPOSED 1 1/2" CAL. DEC. ORNAMENTAL TREE
- PROPOSED 6' HT. EVERGREEN TREE
- PROPOSED SHRUB (3 GAL. CONT./24" HT. B&B)
- SODDED LAWN
- SEEDED LAWN

KEYNOTES

1. SEEDED LAWN, PER SPECIFICATIONS
2. FINE GRADE, SEED THEN HYDROMULCH ATHLETIC FIELDS AT 1.5X SPECIFIED RATES FOR STANDARD LAWN MIX (6" MIN. LAYER OF TOPSOIL IS REQUIRED) PER SPECIFICATIONS
3. MULCHED TREE RING - PER DETAIL A/L1.2

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AMBER R. SHELLER REGISTERED No. 20800057 STATE OF INDIANA LANDSCAPE ARCHITECT

PROJECT MANAGER: BNH

DRAWN BY: HHW

PROJECT NUMBER: 219124.00 / 2019.520

PROJECT ISSUE DATE: 06/05/2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 1	06/19/2020
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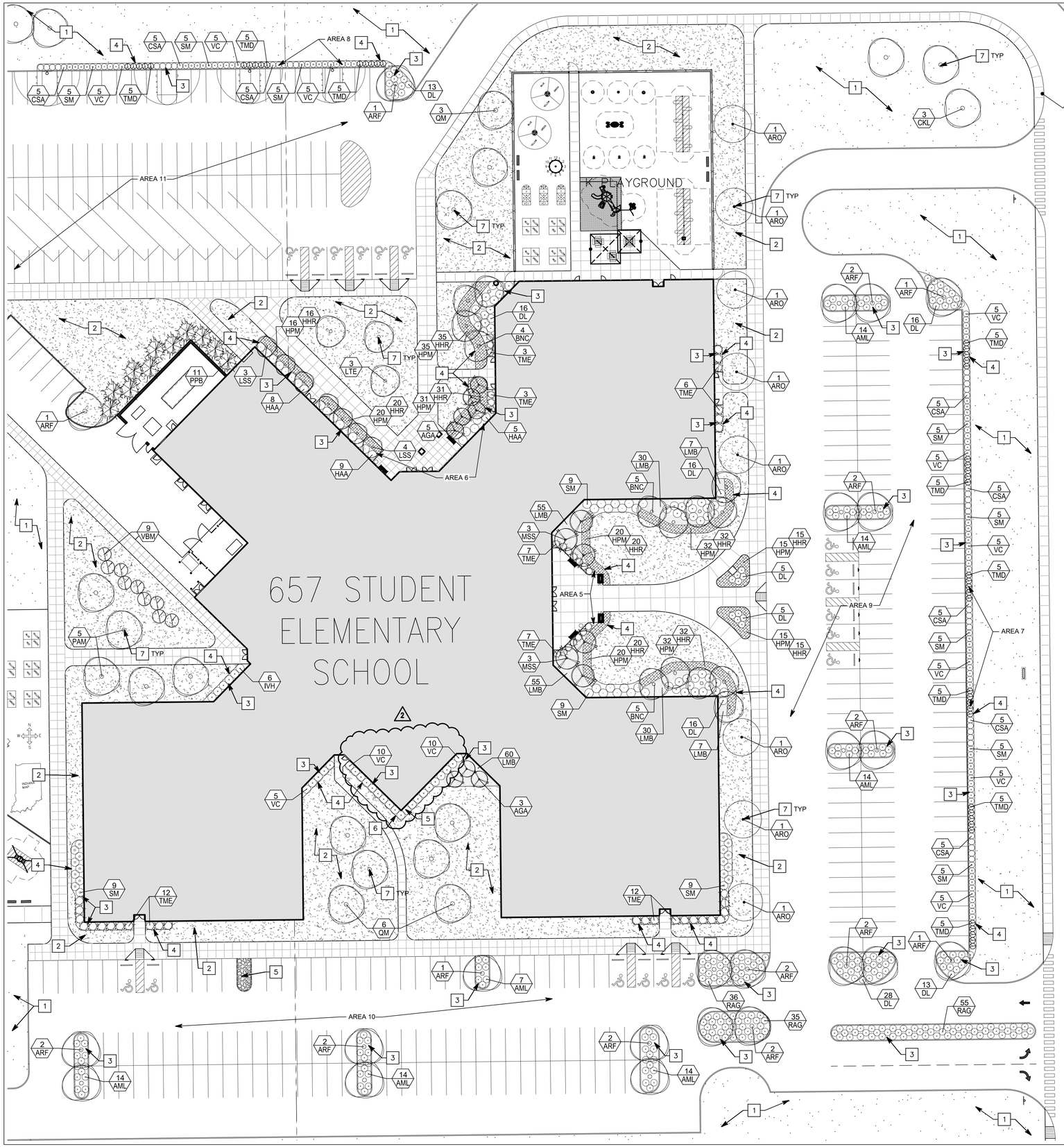
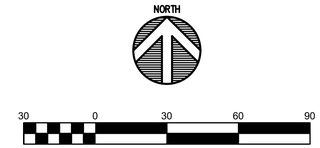
OVERALL LANDSCAPE PLAN

L1.0





GENERAL NOTES

1. SEE DRAWING GD0.1 FOR GENERAL NOTES AND ADDITIONAL LEGEND.
2. ALL TREES IN LAWN AREAS TO HAVE A SHREDDED HARDWOOD MULCH TREE RING PER DETAIL A/L1.2.
3. MINERAL MULCH BEDS THAT ABUT LAWN TO HAVE STEEL EDGING PER DETAIL F/L1.2.
4. SHREDDED HARDWOOD LANDSCAPE BEDS THAT ABUT LAWNS TO HAVE TRENCHED BED EDGE PER DETAIL D/L1.2.
5. LANDSCAPE BEDS TO HAVE 4" DEEP WASHED RIVER ROCK PER SPECIFICATIONS & DETAIL E/L1.2. (2)

PROPOSED LANDSCAPE LEGEND

- PROPOSED 2 1/2" CAL. DECIDUOUS TREE
- PROPOSED 1 1/2" CAL. DEC. ORNAMENTAL TREE
- PROPOSED 6' HT. EVERGREEN TREE
- PROPOSED SHRUB (3 GAL. CONT./24" HT. B&B)
- PERENNIAL (1 GAL. CONT.)
- SODDED LAWN
- SEEDED LAWN
- MINERAL MULCH BED
- 8 / EAC — PLANT QUANTITY / PLANT TYPE ABBREVIATION, REFER TO PLANT SCHEDULE FOR FULL PLANT NAME AND ADDITIONAL REQUIREMENTS FOR EACH PLANT

KEYNOTES

1. SEEDED LAWN PER SPECIFICATIONS
2. SODDED LAWN PER SPECIFICATIONS
3. 4" MINERAL MULCH LANDSCAPE BED - PER DETAIL E/L1.2 (2)
4. STEEL EDGING - PER DETAIL F/L1.2
5. MINERAL MULCH LANDSCAPE BED - PER DETAIL E/L1.2
6. STEEL EDGING - PER DETAIL F/L1.2
7. MULCHED TREE RING - PER DETAIL A/L1.2

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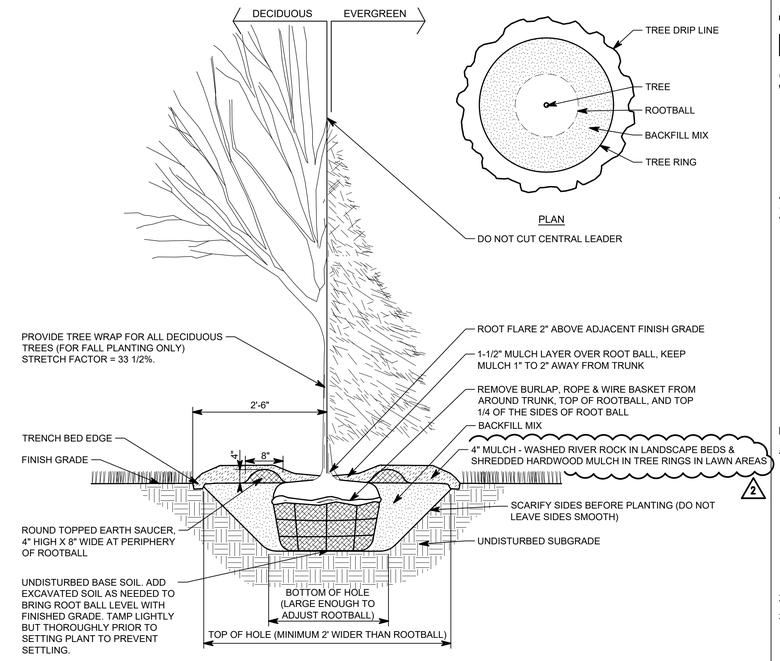
ENLARGED LANDSCAPE PLAN

L1.1

Drawing Path: P:\2019\520\2019-520\CAD\Civil\Active\25 - 2019.520_L1.1 - Enlarged Landscape Plan.dwg
Plotted By: bheidenreich Time of Plot: 6/29/20 - 10:24am Last Edited: 6/29/20 - 10:29am

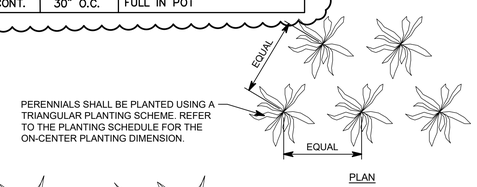
PLANT SCHEDULE

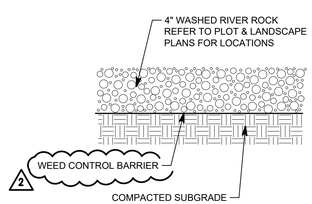
QUANTITY	ABBR.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING	NOTES
TREES							
24	ARF	ACER RUBRUM 'FRANKSRED'	RED SUNSET RED MAPLE	2 1/2"	B&B	AS SHOWN	DENSE BRANCHING, MATCHED
25	ARO	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	2 1/2"	B&B	AS SHOWN	DENSE BRANCHING, MATCHED
14	BNC	BETULA NIGRA 'CULLY' PP4409	HERITAGE RIVER BIRCH	12' HT.	B&B	AS SHOWN	MULTI-STEM, MATCHED
19	COM	CELTIS OCCIDENTALIS 'MAGNIFICA'	MAGNIFICA HACKBERRY	2 1/2"	B&B	AS SHOWN	DENSE BRANCHING, MATCHED
18	CKL	CLADRASTIS KENTUCKEA 'LUTEA'	AMERICAN YELLOWWOOD	2 1/2"	B&B	AS SHOWN	DENSE BRANCHING, MATCHED
7	LSS	LIQUIDAMBAR STYRACIFLUA 'SLENDER SILHOUETTE'	SLENDER SILHOUETTE SWEETGUM	2 1/2"	B&B	AS SHOWN	DENSE BRANCHING, MATCHED
54	LTE	LIRIODENDRON TULIPIFERA 'JFS-OZ'	EMERALD CITY TULIP TREE	2 1/2"	B&B	AS SHOWN	DENSE BRANCHING, MATCHED
24	PAM	PLATANUS X ACERIFOLIA 'MORTON CIRCLE'	EXCLAMATION LONDON PLANE TREE	2 1/2"	B&B	AS SHOWN	DENSE BRANCHING, MATCHED
9	QM	QUERCUS MACROCARPA	BUR OAK	2 1/2"	B&B	AS SHOWN	DENSE BRANCHING, MATCHED
EVERGREEN TREE							
14	PA	PICEA ABIES	NORWAY SPRUCE	6' HT.	B&B	AS SHOWN	DENSE BRANCHING, MATCHED
7	PO	PICEA OMORIKA	SERBIAN SPRUCE	6' HT.	B&B	AS SHOWN	DENSE BRANCHING, MATCHED
11	PPB	PICEA PUNGENS BABY BLUE	BABY BLUE BLUE SPRUCE	6' HT.	B&B	AS SHOWN	DENSE BRANCHING, MATCHED
28	PS	PINUS STROBUS	WHITE PINE	6' HT.	B&B	AS SHOWN	DENSE BRANCHING, MATCHED
ORNAMENTAL TREE							
8	AGA	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	6' HT.	B&B	AS SHOWN	MULTI-STEM
6	MSS	MALUS 'SUTYZAM' SUGAR TYME PP7062	SUGAR TYME CRABAPPLE	1 1/2"	B&B	AS SHOWN	DENSE BRANCHING, MATCHED
SHRUBS							
91	AML	ARONIA MELANOCARPA LOW SCAPE MOUND	LOW SCAPE MOUND CHOKEBERRY	#3	CONT.	AS SHOWN	24" HEIGHT & 24" WIDTH MIN.
40	CSA	CORNUS STOLONIFERA ARTIC FIRE PP18523	ARTIC FIRE COMPACT RED-OSIER RED TWIG DOGWOOD	#3	CONT.	AS SHOWN	24" HEIGHT & 24" WIDTH MIN.
128	DL	DIERVILLA LONICERA	DWARF BUSH HONEYSUCKLE	#3	CONT.	AS SHOWN	24" HEIGHT & 24" WIDTH MIN.
22	HAA	HYDRANGEA ARBORESCENS 'ANNABELLE'	ANNABELLE HYDRANGEA	#3	CONT.	AS SHOWN	24" HEIGHT & 24" WIDTH MIN.
6	IVH	ITEA VIRGINICA HENRYS GARNET	HENRYS GARNET SWEETSPIRE	#3	CONT.	AS SHOWN	24" HEIGHT & 24" WIDTH MIN.
126	RAG	RHUS AROMATICA 'GRO-LOW'	GROW LOW SUMAC	#3	CONT.	AS SHOWN	18" HEIGHT & 24" WIDTH MIN.
76	SM	SYRINGA MEYERI	DWARF KOREAN LILAC	#3	CONT.	AS SHOWN	24" HEIGHT & 24" WIDTH MIN.
45	TMD	TAXUS MEDIA DENSIFORMIS	DENSE YEW	#3	CONT.	AS SHOWN	24" HEIGHT & 24" WIDTH MIN.
50	TME	TAXUS MEDIA EVERLOW	EVERLOW YEW	#3	CONT.	AS SHOWN	24" HEIGHT & 24" WIDTH MIN.
9	VBM	VIBURNUM X BURKWOODII 'MOHAWK'	MOHAWK BURKWOOD VIBURNUM	#3	CONT.	AS SHOWN	30" HEIGHT & 24" WIDTH MIN.
2 70	VC	VIBURNUM CARLESII	KOREAN SPICE VIBURNUM	#3	CONT.	AS SHOWN	30" HEIGHT & 24" WIDTH MIN.
PERENNIALS							
236	HHR	HEMEROCALLIS HAPPY RETURNS	HAPPY RETURNS DAYLILLY	1 GAL.	CONT.	30" O.C.	FULL IN POT
236	HPM	HEMEROCALLIS PARDON ME	PARDON ME DAYLILLY	1 GAL.	CONT.	30" O.C.	FULL IN POT
~~244~~	~~LMB~~	~~LIRIOPE MUSCARI 'BIG BLUE'~~	~~BIG BLUE LILYTURF~~	~~1 GAL.~~	~~CONT.~~	~~30" O.C.~~	~~FULL IN POT~~
ORNAMENTAL GRASS							
2 244	LMB	SPOROBOLUS HETEROLEPSIS	PRAIRIE DROPSEED	1 GAL.	CONT.	30" O.C.	FULL IN POT



NOTES:
1. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING.
2. WATER THOROUGHLY AFTER PLANTING.
3. LIFT, CARRY AND SET THE TREE BY THE ROOTBALL ONLY. DO NOT LIFT USING THE TREE TRUNK OR USE TREE TRUNK AS A LEVER.
4. DO NOT USE TREE WITH BROKEN OR CRACKED ROOTBALL.
5. TREES OF THE SAME SPECIES SHALL BE MATCHED IN GROWTH CHARACTER AND UNIFORMITY.
6. IF HEAVY CLAY OR A RESTRICTIVE HARD PAN IS ENCOUNTERED, AUGER 6" DIAMETER DRAINAGE HOLES, 2'-0" APART, INTO FREE-DRAINING STRATA OR TO A DEPTH OF 3'-0" BELOW BOTTOM OF ROOTBALL HOLE.
7. BACKFILL MIX TO BE THE EXCAVATED NATIVE SOIL, UNLESS EXISTING SOIL IS UNSUITABLE. UNSUITABLE SOIL IS CLAY, SANDY, ROCKY OR COMPACTED SOIL. BACKFILL FOR UNSUITABLE SOIL SHALL BE 1 PART HUMUS TO 3 PARTS TOPSOIL.
8. REMOVE EXCESS EXCAVATED SOIL FROM SITE AND DISPOSE OF IN A LEGAL MANNER.

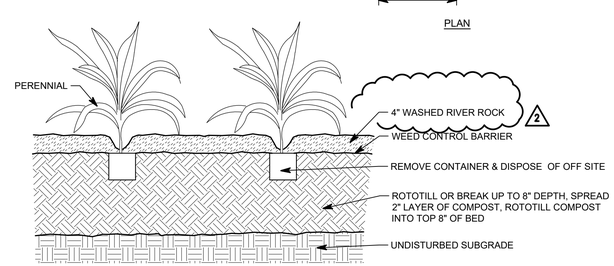
TREE PLANTING – DETAIL A
3/4" = 1'-0"





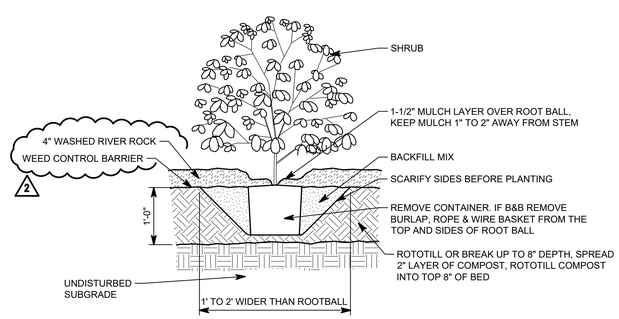
NOTES:
1. STEEL EDGING TO BE INSTALLED BETWEEN ALL WASHED RIVER ROCK BEDS AND LAWN AREAS.
2. WEED CONTROL BARRIER TO BE NONWOVEN GEOTEXTILE FILTER FABRIC PER SPECIFICATIONS.

WASHED RIVER ROCK BED - DETAIL E
1" = 6"



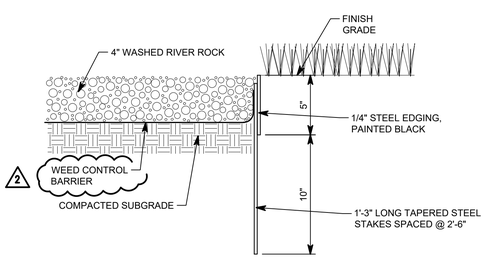
NOTES:
1. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING.
2. IMMEDIATELY SOAK WITH WATER.
3. DO NOT USE PLANTS WITH BROKEN OR CRACKED ROOTBALL.
4. PERENNIALS OF THE SAME SPECIES SHALL BE MATCHED IN GROWTH CHARACTER AND UNIFORMITY.
5. IF HEAVY CLAY OR A RESTRICTIVE HARD PAN IS ENCOUNTERED AUGER 6" DIAMETER DRAINAGE HOLES,2'-0"APART, INTO FREE-DRAINING STRATA OR TO A DEPTH OF 10' WHICHEVER IS LESS TO PROVIDE FOR GOOD DRAINAGE.

PERENNIAL PLANTING - DETAIL C
3/4" = 1'-0"



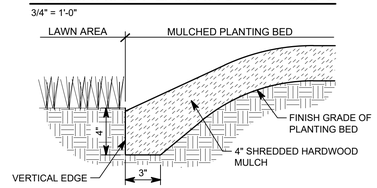
NOTES:
1. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING.
2. WATER THOROUGHLY AFTER PLANTING.
3. CARRY PLANT BY ROOTBALL OR CONTAINER. DO NOT CARRY BY STEM OR PLANT
4. DO NOT USE SHRUBS WITH BROKEN OR CRACKED ROOTBALL.
5. SHRUBS OF THE SAME SPECIES SHALL BE MATCHED IN GROWTH CHARACTER AND UNIFORMITY.
6. IF HEAVY CLAY OR A RESTRICTIVE HARD PAN IS ENCOUNTERED AUGER 6" DIAMETER DRAINAGE HOLES, 2'-0" APART, INTO FREE-DRAINING STRATA OR TO A DEPTH OF 3' WHICHEVER IS LESS TO PROVIDE FOR GOOD DRAINAGE.
7. SET ROOTBALL LEVEL WITH SOIL SURFACE.
8. IF CONTAINER GROWN PLANT, SLIDE PLANT OUT OF CONTAINER AND DISTURB ROOTS TO PREVENT CIRCLING ROOTS.
9. IF B&B GROWN PLANT, REMOVE BURLAP AND TWINE FROM TOP 1'-0" OF THE ROOTBALL, WITHOUT DISTURBING THE ROOTBALL. REMOVE TWINE FROM AROUND STEM.

SHRUB PLANTING – DETAIL B
3/4" = 1'-0"



NOTES:
1. STEEL EDGING COLOR TO BE BLACK.
2. STEEL EDGING TO BE INSTALLED BETWEEN ALL WASHED RIVER ROCK BEDS AND LAWN AREAS.
3. STEEL EDGING TO BE INSTALLED FLUSH WITH ADJACENT FINISHED GRADE.
4. WEED CONTROL BARRIER TO BE NONWOVEN GEOTEXTILE FILTER FABRIC PER SPECIFICATIONS.

STEEL EDGING - DETAIL F
1" = 6"



NOTES:
1. TRENCH EDGE SHALL CREATE A CLEAN SEPARATION BETWEEN MULCHED PLANTING BEDS & LAWN AREAS. THE EDGE SHALL CREATE A SMOOTH AND EVEN LINE AS SHOWN ON PLANS.
2. PLACE SOIL FROM TRENCH EDGE WITHIN BED.
3. TRENCH BED EDGE SHALL BE USED AT THE EDGES OF ALL MULCHED PLANTING BEDS THAT ABUT LAWN AREAS FOR CONTAINMENT.

TRENCH BED EDGE – DETAIL D
1" = 6"

811
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CAUTION !!

THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THE PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (INCLUDING, BUT NOT LIMITED TO, MANHOLES, INLETS, VALVES, AND MARKS MADE UPON THE GROUND BY OTHERS) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

Drawing Path: P:\2019\500\2019-520\CAD\Civil\Active\26 - 2019.520_L1.2 - Landscape Details.dwg
Plotted By: bheidenreichTime of Plot: 6/29/20 - 10:24am Last Edited: 6/29/20 - 8:58am

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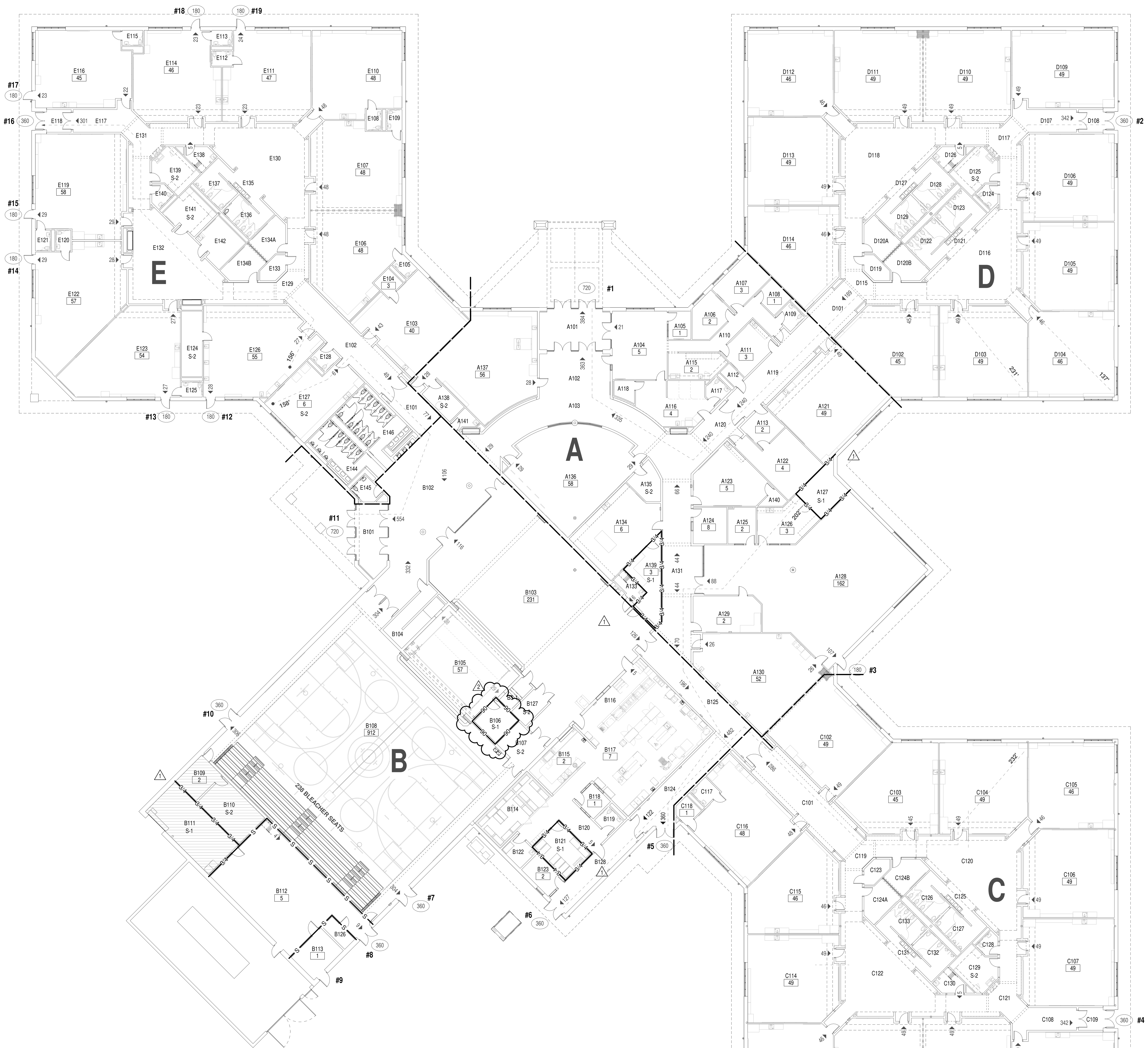
AMBER R. SHELLER REGISTERED No. 20800057 STATE OF INDIANA LANDSCAPE ARCHITECT

PROJECT MANAGER: BNH
DRAWN BY: HHW
PROJECT NUMBER: 219124.00 / 2019.520
PROJECT ISSUE DATE: 06/05/2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 1	06/19/2020
2	ADDENDUM NO. 2	06/29/2020

LANDSCAPE DETAILS & PLANT SCHEDULE

L1.2



FIRST FLOOR CODE PLAN
SCALE: 1/16" = 1'-0"

OCCUPANCY SCHEDULE - UNIT A					
NUMBER	ROOM NAME	CL	AREA	SF/OCC	OCC LOAD
A101	VESTIBULE	U	341 SF	0 SF	0
A102	LOBBY	U	366 SF	0 SF	0
A103	CORRIDOR	U	925 SF	0 SF	0
A104	RECEPTION AREA	B	470 SF	100 SF	5
A105	OFFICE	B	80 SF	100 SF	1
A106	ASSISTANT PRINCIPAL'S OFFICE	B	166 SF	100 SF	2
A107	PRINCIPAL'S OFFICE	B	214 SF	100 SF	3
A108	OFFICE	B	87 SF	100 SF	1
A109	RESTROOM	U	56 SF	0 SF	0
A110	CORRIDOR	U	230 SF	0 SF	0
A111	CONFERENCE ROOM	B	208 SF	100 SF	3
A112	STORAGE	U	34 SF	0 SF	0
A113	GUIDANCE CONFERENCE ROOM	B	127 SF	100 SF	2
A115	WORKROOM	B	175 SF	100 SF	2
A116	CLINIC	B	366 SF	100 SF	4
A117	RESTROOM	U	54 SF	0 SF	0
A118	STORAGE	U	48 SF	0 SF	0
A119	CORRIDOR	U	488 SF	0 SF	0
A120	CORRIDOR	U	289 SF	0 SF	0
A121	CLASSROOM	EC	956 SF	20 SF	49
A122	GUIDANCE COUNCELOR'S OFFICE	B	377 SF	100 SF	4
A123	CONFERENCE ROOM	B	433 SF	100 SF	5
A124	SPEECH AND HEARING	EC	154 SF	20 SF	8
A125	OFFICE	B	127 SF	100 SF	2
A126	WORKROOM	B	261 SF	100 SF	3
A127	STORAGE	U	180 SF	0 SF	0
A128	MEDIA CENTER	A2	2434 SF	15 SF	162
A129	STORAGE	U	305 SF	0 SF	2
A130	PROJECT	EC	1039 SF	20 SF	52
A131	CORRIDOR	U	706 SF	0 SF	0
A133	CUSTODIAL CLOSET	U	60 SF	0 SF	0
A134	WORKROOM	B	600 SF	100 SF	6
A135	STORAGE	U	112 SF	0 SF	0
A136	MUSIC	EC	1162 SF	20 SF	58
A137	ART	EC	1105 SF	20 SF	56
A138	STORAGE / KILN	U	102 SF	0 SF	0
A139	PUBLICATION	B	222 SF	100 SF	3
A140	STORAGE	U	35 SF	0 SF	0
A141	JANITOR CLOSET		43 SF		
A201	MEZZANINE	AC	1769 SF	300 SF	6

OCCUPANCY SCHEDULE - UNIT B					
NUMBER	ROOM NAME	CL	AREA	SF/OCC	OCC LOAD
B101	VESTIBULE	U	270 SF	0 SF	0
B102	EVENT LOBBY	U	1567 SF	0 SF	0
B103	STUDENT DINING	A2	3444 SF	15 SF	231
B104	RAMP	U	199 SF	0 SF	0
B105	PLATFORM	S	845 SF	15 SF	57
B106	STORAGE	U	118 SF	0 SF	0
B107	CHAIR STORAGE	U	148 SF	0 SF	0
B108	GYMNASIUM	A3	6377 SF	7 SF	912
B109	PE OFFICE	B	129 SF	100 SF	2
B110	PE STORAGE	U	272 SF	0 SF	0
B111	OUTDOOR STORAGE	U	467 SF	0 SF	0
B112	MECHANICAL	AC	1212 SF	300 SF	5
B113	ELECTRICAL	AC	167 SF	300 SF	1
B114	COOLER / FREEZER	U	331 SF	0 SF	0
B115	WARE WASHING	KIT	254 SF	200 SF	2
B116	SERVING AREA	U	216 SF	0 SF	0
B117	KITCHEN	KIT	1241 SF	200 SF	7
B118	OFFICE	B	81 SF	100 SF	1
B119	RESTROOM	U	53 SF	0 SF	0
B120	CORRIDOR	U	350 SF	0 SF	0
B121	DRY FOOD STORAGE	U	204 SF	0 SF	0
B122	CUSTODIAL	U	75 SF	0 SF	0
B123	OFFICE	B	108 SF	100 SF	2
B124	CORRIDOR	U	372 SF	0 SF	0
B125	CORRIDOR	U	488 SF	0 SF	0
B126	ELECTRICAL	U	57 SF	0 SF	0
B127	STORAGE	U	81 SF	0 SF	0
B128	CORRIDOR		314 SF		
B201	MEZZANINE	AC	912 SF	300 SF	4
BS-1	STAIR	U	61 SF	0 SF	0

OCCUPANCY SCHEDULE - UNIT C					
NUMBER	ROOM NAME	CL	AREA	SF/OCC	OCC LOAD
C101	CORRIDOR	U	597 SF	0 SF	0
C102	PROJECT / LGI	EC	971 SF	20 SF	49
C103	CLASSROOM	EC	897 SF	20 SF	45
C104	CLASSROOM	EC	976 SF	20 SF	49
C105	CLASSROOM	EC	911 SF	20 SF	46
C106	CLASSROOM	EC	976 SF	20 SF	49
C107	CLASSROOM	EC	983 SF	20 SF	49
C108	CORRIDOR	U	182 SF	0 SF	0
C109	VESTIBULE	U	70 SF	0 SF	0
C110	CLASSROOM	EC	974 SF	20 SF	49
C111	CLASSROOM	EC	990 SF	20 SF	49
C112	CLASSROOM	EC	982 SF	20 SF	49
C113	CLASSROOM	EC	911 SF	20 SF	46
C114	CLASSROOM	EC	975 SF	20 SF	49
C115	CLASSROOM	EC	898 SF	20 SF	46
C116	SPECIAL EDUCATION RESOURCE	EC	946 SF	20 SF	48
C117	RESTROOM	U	56 SF	0 SF	0
C118	QUIET ROOM	EC	54 SF	20 SF	1
C119	CORRIDOR	U	78 SF	0 SF	0
C120	COMMONS	U	1165 SF	0 SF	0
C121	CORRIDOR	U	143 SF	0 SF	0
C122	COMMONS	U	1165 SF	0 SF	0
C123	TECHNOLOGY CLOSET	U	61 SF	0 SF	0
C124A	SMALL GROUP ROOM	U	131 SF	0 SF	
C124B	SMALL GROUP ROOM	U	131 SF	0 SF	0
C125	RESTROOM VESTIBULE	U	72 SF	0 SF	0
C126	GIRL'S RESTROOM	U	146 SF	0 SF	0
C127	BOY'S RESTROOM	U	146 SF	0 SF	0
C128	RESTROOM	U	47 SF	0 SF	0
C129	WORKROOM	U	178 SF	0 SF	0
C130	CUSTODIAL CLOSET	U	68 SF	0 SF	0
C131	RESTROOM VESTIBULE	U	72 SF	0 SF	0
C132	BOY'S RESTROOM	U	146 SF	0 SF	0
C133	GIRL'S RESTROOM	U	146 SF	0 SF	0
C201	MEZZANINE	AC	1407 SF	300 SF	5

OCCUPANCY SCHEDULE - UNIT D					
NUMBER	ROOM NAME	CL	AREA	SF/OCC	OCC LOAD
D101	CORRIDOR	U	216 SF	0 SF	0
D102	CLASSROOM	EC	897 SF	20 SF	45
D103	CLASSROOM	EC	976 SF	20 SF	49
D104	CLASSROOM	EC	911 SF	20 SF	46
D105	CLASSROOM	EC	976 SF	20 SF	49
D106	CLASSROOM	EC	983 SF	20 SF	49
D107	CORRIDOR	U	182 SF	0 SF	0
D108	VESTIBULE	U	70 SF	0 SF	0
D109	CLASSROOM	EC	974 SF	20 SF	49
D110	CLASSROOM	EC	990 SF	20 SF	49
D111	CLASSROOM	EC	982 SF	20 SF	49
D112	CLASSROOM	EC	911 SF	20 SF	46
D113	CLASSROOM	EC	975 SF	20 SF	49
D114	CLASSROOM	EC	898 SF	20 SF	46
D115	CORRIDOR	U	88 SF	0 SF	0
D116	COMMONS	U	1160 SF	0 SF	0
D117	CORRIDOR	U	143 SF	0 SF	0
D118	COMMONS	U	1160 SF	0 SF	0
D119	TECHNOLOGY CLOSET	U	61 SF	0 SF	0
D120A	SMALL GROUP ROOM		131 SF		
D120B	SMALL GROUP ROOM	EC	131 SF	20 SF	0
D121	RESTROOM VESTIBULE	U	72 SF	0 SF	0
D122	GIRL'S RESTROOM	U	146 SF	0 SF	0
D123	BOY'S RESTROOM	U	146 SF	0 SF	0
D124	RESTROOM	U	47 SF	0 SF	0
D125	WORKROOM	B	178 SF	100 SF	0
D126	CUSTODIAL CLOSET	U	68 SF	0 SF	0
D127	RESTROOM VESTIBULE	U	72 SF	0 SF	0
D128	BOY'S RESTROOM	U	146 SF	0 SF	0
D129	GIRL'S RESTROOM	U	146 SF	0 SF	0
D201	MEZZANINE	AC	1409 SF	300 SF	5

BUILDING CODE INFORMATION

1. BUILDING DESCRIPTION: NEW K-4 SCHOOL
2. APPLICABLE CODE: 2012 INTERNATIONAL BUILDING CODE - INDIANA BUILDING CODE, 2014 EDITION (675 IAC 13-2.6)
   2012 INTERNATIONAL FIRE CODE - INDIANA FIRE CODE, 2014 EDITION (675 IAC 22-2)
   2012 INTERNATIONAL MECHANICAL CODE - INDIANA MECHANICAL CODE, 2014 EDITION (675 IAC 18-1.6)
   2012 INTERNATIONAL PLUMBING CODE - INDIANA PLUMBING CODE, 2012 EDITION (675 IAC 16-1.4)
   2012 INTERNATIONAL ELECTRICAL CODE - INDIANA ELECTRICAL CODE, 2009 EDITION [NFPA 70-2008] (675 IAC 17-1.8)
   INDIANA ENERGY CONSERVATION CODE 2010 [ASHRAE 90.1, 2007 AMENDED] (672 IAC 19-4)
   2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
3. BUILDING AREA AND HEIGHT
   A. OCCUPANCY/USE GROUP: A2, CAFETERIA / COMMONS; A3, GYMNASIUM; B, ADMINISTRATION; E NON SEPARATED USES (302.1)
   B. CONSTRUCTION TYPE: II-B (601)
   C. AREA LIMITATION: UNLIMITED
      1. ACTUAL AREA:
         TOTAL FIRST FLOOR 91,338 SF
         TOTAL SECOND FLOOR 0 SF
         MECHANICAL MEZZANINES 7,110 SF
         TOTAL GROSS SF 98,448 SF
   D. HEIGHT LIMITATION: 2 STORY, 55'-0" (TABLE 503)
      1. ACTUAL HEIGHT: 1 STORY, 35'-0"
4. USE AND OCCUPANCY CLASSIFICATION INDIANA BUILDING CODE CHAPTER 3:
   E - EDUCATION, B - BUSINESS, A2/A3 - ASSEMBLY

   INCIDENTAL USE AREAS INDIANA BUILDING CODE SECTION AND TABLE 508.2

   SMOKE PARTITION & AUTO SPRINKLER SYSTEM

   ACCESSORY USE AREAS INDIANA BUILDING CODE SECTION 508.3.1.

   ACCESSORY OCCUPANCIES ARE THOSE OCCUPANCIES SUBSIDIARY TO THE MAIN OCCUPANCY OF THE BUILDING OR PORTION THEREOF. AGGREGATE ACCESSORY OCCUPANCIES SHALL NOT OCCUPY MORE THAN 10% OF THE AREA OF THE STORY IN TABLE 503 WITHOUT HEIGHT AND AREA INCREASES IN ACCORDANCE WITH SECTIONS 504 AND 506 FOR SUCH ACCESSORY OCCUPANCIES (2012 INTERNATIONAL BUILDING CODE)

   AREA LIMITATION INDIANA BUILDING CODE SECTION 503
5. TYPE OF CONSTRUCTION INDIANA BUILDING CODE CHAPTER 6 (SEE TABLE)

   TYPE II-B

   FIRE SEPARATION DISTANCES INDIANA BUILDING CODE TABLE 602:

   REFER TO THE SITE PLAN DRAWINGS FOR LOCATION OF BUILDING(S) ON SITE; DISTANCES TO CLOSEST INTERIOR LOT LINES; TO THE CENTER OF A STREET, ALLEY OR PUBLIC WAY; OR TO AN IMAGINARY LINE BETWEEN TWO BUILDINGS ON THE SAME LOT.
6. FIRE RESISTANCE RATED CONSTRUCTION INDIANA BUILDING CODE CHAPTER 7:

   REFER TO THE CODE PLANS FOR MAXIMUM AREAS OF EXTERIOR OPENINGS BASED ON THE FIRE SEPARATION DISTANCES.

   PENETRATIONS THROUGH FIRE-RESISTANCE-RATED ASSEMBLIES SHALL BE PROVIDED WITH FIRESTOPPING PER PROJECT MANUAL.

   CEILING AND FLOOR OPENINGS THROUGH NON-FIRE-RESISTANCE-RATED ASSEMBLIES SHALL BE PROVIDED WITH FIREBLOCKING PER PROJECT MANUAL.
7. INTERIOR FINISHES TO COMPLY WITH INDIANA BUILDING CODE CHAPTER 8
8. FIRE PROTECTION SYSTEMS INDIANA BUILDING CODE CHAPTER 9:

   THE ENTIRE BUILDING SHALL BE PROVIDED WITH AN AUTOMATIC SPRINKLER SYSTEM. REFER TO FIRE PROTECTION DRAWINGS.
9. MEANS OF EGRESS INDIANA BUILDING CODE CHAPTER 10:

   THE MEANS OF EGRESS REQUIREMENTS SHALL BE DETERMINED BY THE ACTUAL OR COMPUTED NUMBER OF OCCUPANTS WHICHEVER IS THE LARGEST NUMBER. REFER TO THE CODE PLANS FOR ROOM OCCUPANT LOADS. AREAS OR ROOMS WITH 50 OR MORE OCCUPANTS SHALL BE PROVIDED WITH TWO OR MORE MEANS OF EGRESS; 500 OR MORE OCCUPANTS SHALL BE PROVIDED WITH THREE OR MORE MEANS OF EGRESS; AND 1000 OR MORE OCCUPANTS SHALL BE PROVIDED WITH FOUR OR MORE MEANS OF EGRESS.
10. STRUCTURAL DESIGN LOADS:

    REFER TO STRUCTURAL DRAWINGS FOR CODE REQUIREMENTS

BUILDING DESIGNED FOR: 650 STUDENTS AND 45 STAFF

XX — CALCULATED MAXIMUM OCCUPANT LOAD

OCCUPANCY SCHEDULE - UNIT E					
NUMBER	ROOM NAME	CL	AREA	SF/OCC	OCC LOAD
E101	CORRIDOR	U	216 SF	0 SF	0
E102	CORRIDOR	U	529 SF	0 SF	0
E103	SPECIAL EDUCATION	EC	789 SF	20 SF	40
E104	QUIET ROOM	EC	54 SF	20 SF	3
E105	RESTROOM	U	39 SF	0 SF	0
E106	CLASSROOM	EC	942 SF	20 SF	48
E107	CLASSROOM	EC	954 SF	20 SF	48
E108	RESTROOM	U	39 SF	0 SF	0
E109	RESTROOM	U	39 SF	0 SF	0
E110	CLASSROOM	EC	942 SF	20 SF	48
E111	KINDERGARTEN CLASSROOM	EC	938 SF	20 SF	47
E112	KINDERGARTEN RESTROOM	U	39 SF	0 SF	0
E113	KINDERGARTEN RESTROOM	U	39 SF	0 SF	0
E114	KINDERGARTEN CLASSROOM	EC	907 SF	20 SF	46
E115	KINDERGARTEN RESTROOM	U	39 SF	0 SF	0
E116	KINDERGARTEN CLASSROOM	EC	888 SF	20 SF	45
E117	CORRIDOR	U	179 SF	0 SF	0
E118	VESTIBULE	U	70 SF	0 SF	0
E119	KINDERGARTEN CLASSROOM	EC	1139 SF	20 SF	58
E120	KINDERGARTEN RESTROOM	U	39 SF	0 SF	0
E121	KINDERGARTEN RESTROOM	U	39 SF	0 SF	0
E122	KINDERGARTEN CLASSROOM	EC	1132 SF	20 SF	57
E123	KINDERGARTEN CLASSROOM	EC	1066 SF	20 SF	54
E124	STORAGE	U	171 SF	0 SF	0
E125	KINDERGARTEN RESTROOM	U	39 SF	0 SF	0
E126	SCIENCE	EC	1089 SF	20 SF	55
E127	TEACHER'S LOUNGE	B	533 SF	100 SF	6
E128	RESTROOM	U	54 SF	0 SF	0
E129	CORRIDOR	U	83 SF	0 SF	0
E130	COMMONS	U	1155 SF	0 SF	0
E131	CORRIDOR	U	142 SF	0 SF	0
E132	COMMONS	U	1136 SF	0 SF	0
E133	TECHNOLOGY CLOSET	U	61 SF	0 SF	0
E134A	SMALL GROUP ROOM	EC	131 SF	20 SF	0
E134B	SMALL GROUP ROOM		131 SF		
E135	RESTROOM VESTIBULE	U	74 SF	0 SF	0
E136	GIRL'S RESTROOM	U	146 SF	0 SF	0
E137	BOY'S RESTROOM	U	146 SF	0 SF	0
E138	CUSTODIAL CLOSET	U	68 SF	0 SF	0
E139	WORKROOM	B	178 SF	100 SF	0
E140	RESTROOM	U	47 SF	0 SF	0
E141	WORKROOM	B	171 SF	100 SF	0
E142	SMALL GROUP ROOM	EC	171 SF	20 SF	0
E144	MEN'S RESTROOM	U	255 SF	0 SF	0
E145	FAMILY RESTROOM	U	63 SF	0 SF	0
E146	WOMEN'S RESTROOM	U	333 SF	0 SF	0
E201	MEZZANINE	AC	1409 SF	300 SF	5

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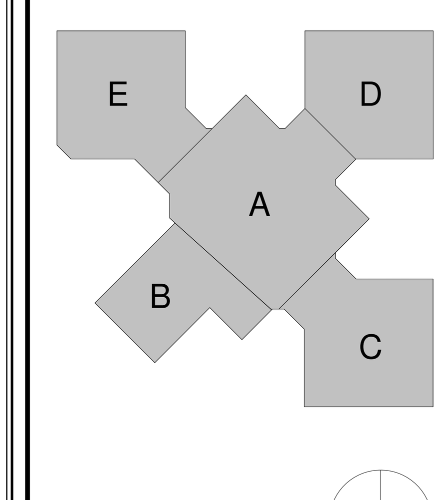

KEY PLAN

CONSTRUCTION DOCUMENTS

CHARLES ROBERT TYLER
REGISTERED
No. 4438
STATE OF INDIANA
ARCHITECT

PROJECT MANAGER: CT
DRAWN BY: BMD
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	6/19/20
2	ADDENDUM #2	6/29/20

FIRST FLOOR CODE PLAN

A0.01

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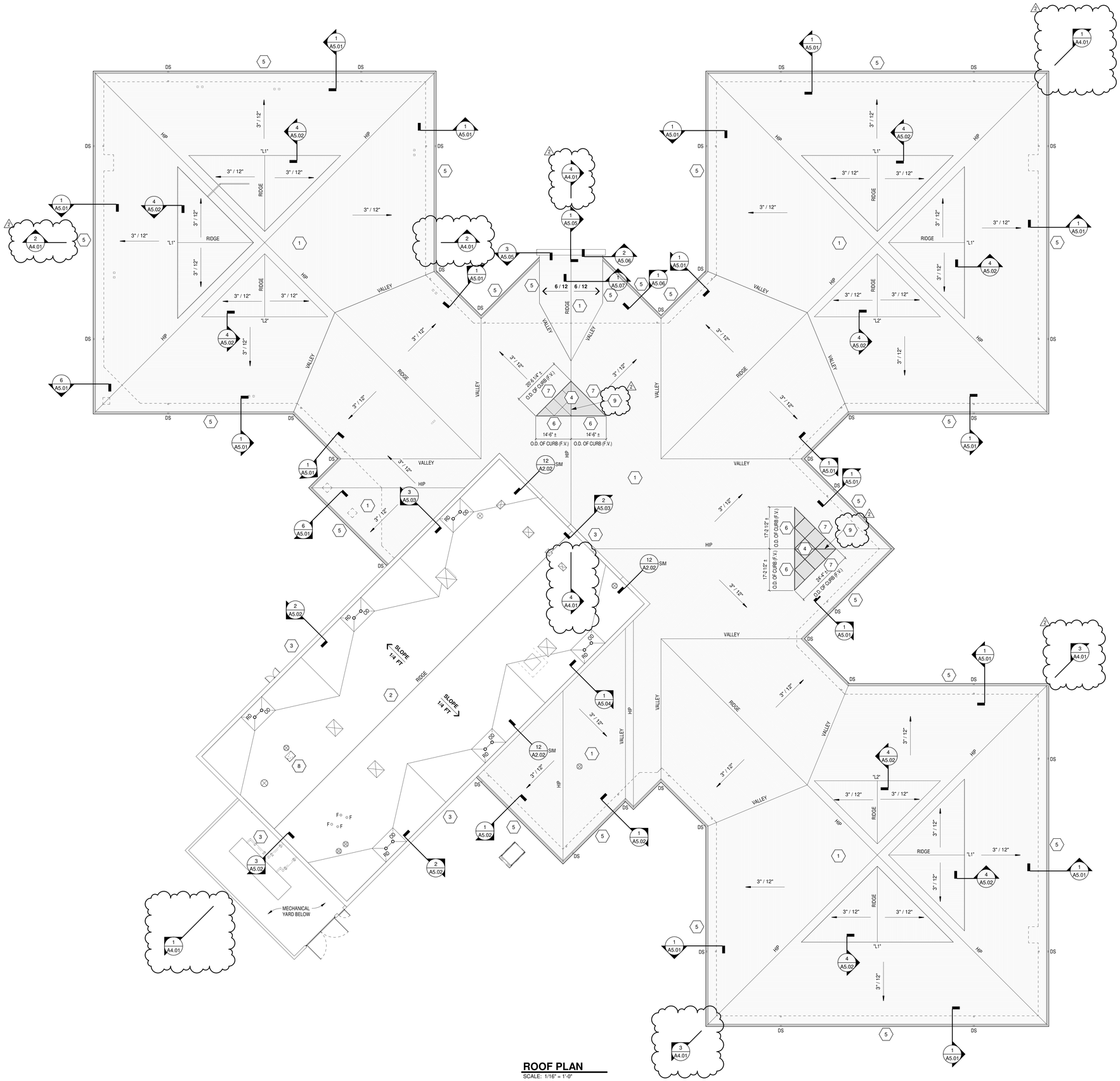

ROOF PLAN

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

ROOF PLAN GENERAL NOTES

A. ALL DETAILS SHOWN ARE FOR GENERAL INFORMATION. ALL FINAL FLASHING CONDITIONS SHALL BE THE RESPONSIBILITY OF THE ROOF INSTALLER, AND SHALL MEET APPROVAL OF ROOF MANUFACTURER.

B. ALL DETAIL MODIFICATIONS MUST HAVE SHOP DRAWING APPROVAL. CONTRACTOR SHALL INSPECT AND VERIFY ALL EXISTING FIELD CONDITIONS, CLEARANCES, AND DIMENSIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF EXISTING CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT ARCHITECT BEFORE PROCEEDING WITH ANY FURTHER WORK.

C. OPENINGS IN ROOF WILL BE CUT BY ROOF CONTRACTOR. MECHANICAL CONTRACTOR TO COORDINATE LOCATION OF OPENING IN ROOF WITH ROOF CONTRACTOR. CURB TO BE PROVIDED BY MECHANICAL CONTRACTOR AND INSTALLED BY ROOF CONTRACTOR.

D. PROVIDE FLASHING AND SADDLES FOR ALL EQUIPMENT PROVIDED UNDER MECHANICAL.

E. SADDLES AND TAPERED INSULATION SYMBOLS INDICATE DESIGN INTENT TO SLOPE TO DRAIN. CONTRACTOR SHALL PROVIDE SUBMITTAL DRAWINGS FOR TAPERED INSULATION AND SADDLES TO INSURE POSITIVE SLOPE.

F. THE ROOF CONTRACTOR SHALL PROTECT ALL ROOF DRAINS, SCUPPERS, AND DOWNSPOUTS FROM DEBRIS CREATED DURING DEMOLITION AND 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. PROVIDE "GUTTER BAFFLE" AT EACH VALLEY (UNO). REFER TO 3-A2.03

H. RIDGE - REFER TO 5-A2.03

I. VALLEY - REFER TO 6-A2.03

J. COORDINATE FOOD SERVICE ROOF TOP EQUIPMENT WITH FOOD SERVICE CONTR.

K. "L1" & "L2" INDICATE MECHANICAL LOUVERS (L) COORDINATE WITH MECHANICAL DRAWINGS, BUILDING ELEVATIONS AND A6.01

ROOF PLAN NOTES

X

* MECHANICAL, ELECTRICAL AND PLUMBING INFORMATION SHOWN ON THIS PLAN IS GENERAL IN NATURE. REFER TO M.E.P. DRAWINGS FOR FURTHER INFORMATION AND COORDINATE ALL REQUIRED ROOF OPENINGS OR ROOF MOUNTED EQUIPMENT.

1 ROOF TYPE: ASPHALT SHINGLES OVER SYNTHETIC UNDERLAYMENT ON SELF ADHERING SHEET UNDERLAYMENT OVER VENTED COMPOSITE INSULATED SHEATHING ON VAPOR RETARDER OVER SLOPING METAL ROOF DECK

2 ROOF TYPE: MEMBRANE ROOFING SYSTEM (ADHERED) ON 1/4" COVER BOARD OVER ROOF INSULATION (4" BASE) WITH TAPERED ROOF INSULATION, AS SHOWN, ON VAPOR RETARDER OVER SLOPING METAL ROOF DECK

3 PREFINISHED METAL COPING WITH CONTINUOUS ANCHOR CLEATS

4 METAL FRAMED SKYLIGHT

5 FORMED METAL GUTTER WITH WELDED ENDS AND CORNERS

6 SKYLIGHT CURB FLASHING - REFER TO 10-A2.03

7 SKYLIGHT CURB FLASHING - REFER TO 10-A2.03 SIM

8 ROOF ACCESS HATCH WITH FIXED ACCESS LADDER. REFER TO UNIT 8 MEZZANINE PLAN (A100) AND 1-A2.02

9 REFER TO 11-A2.03 FOR DETAIL AT SKYLIGHT RIDGE / ROOF HIP

ROOF PLAN SYMBOL LEGEND

12'-0" (UNO) / 8'-0" (UNO)	INDICATES ROOF DRAIN (RD) AND OVERFLOW DRAIN (OD). (FLASH IN ACCORDANCE WITH ROOF MEMBRANE MANUFACTURER'S RECOMMENDATION.) REFER TO DETAIL 2-A2.02
VS	INDICATES VENT STACK - REFER TO PLUMBING DRAWINGS AND 7-A2.02
FL	INDICATES FLUE - REFER TO MECHANICAL DRAWINGS AND 7-A2.02 SIM
	INDICATES MECHANICAL EQUIPMENT - REFER TO MECHANICAL DRAWINGS AND 9-A2.02
SLOPE 7 / 12	INDICATES ROOF SLOPE
	INDICATES ROOF SADDLE - REFER TO PROJECT MANUAL.
	INDICATES EXPANSION JOINT - REFER TO ROOF PLAN AND WALL SECTIONS.
	INDICATES WALL LINE BELOW - REFER TO ARCHITECTURAL FLOOR PLANS
DS	INDICATES METAL DOWNSPOUT (4 1/2 x 4 1/2 UNO) REFER TO ROOF PLAN AND BUILDING ELEVATIONS FOR LOCATIONS

VERIFICATION NOTE

CONTRACTOR 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.

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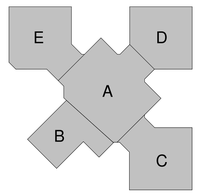

KEY PLAN

CONSTRUCTION DOCUMENTS

CHARLES ROBERT FULLER REGISTERED No. 4438 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: CT

DRAWN BY: MDM

PROJECT NUMBER: 219124.00

PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

ROOF PLAN

A2.01

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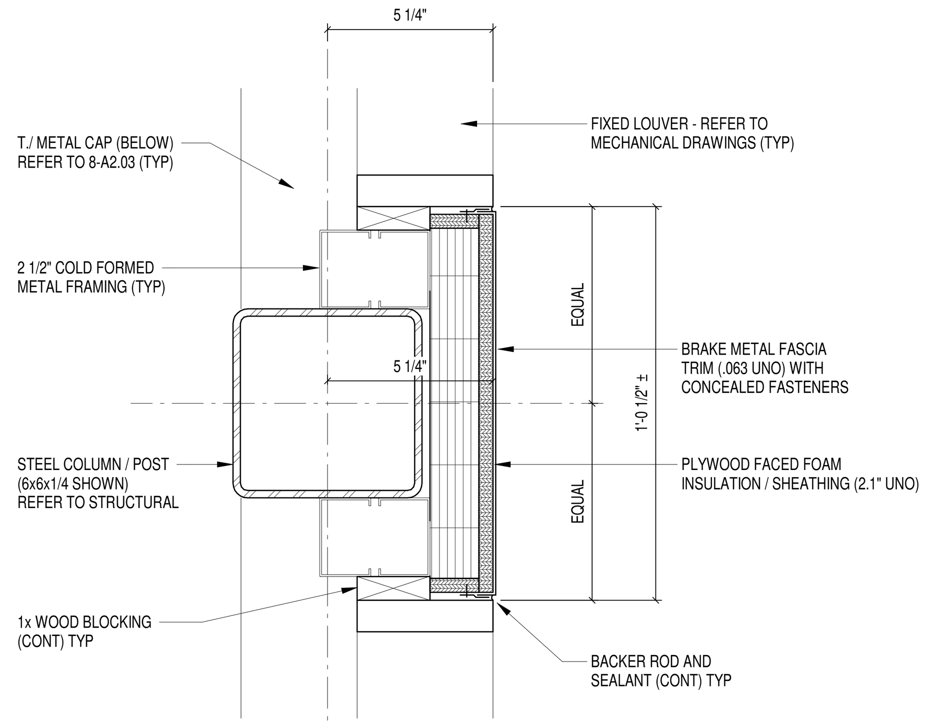

9 DETAIL
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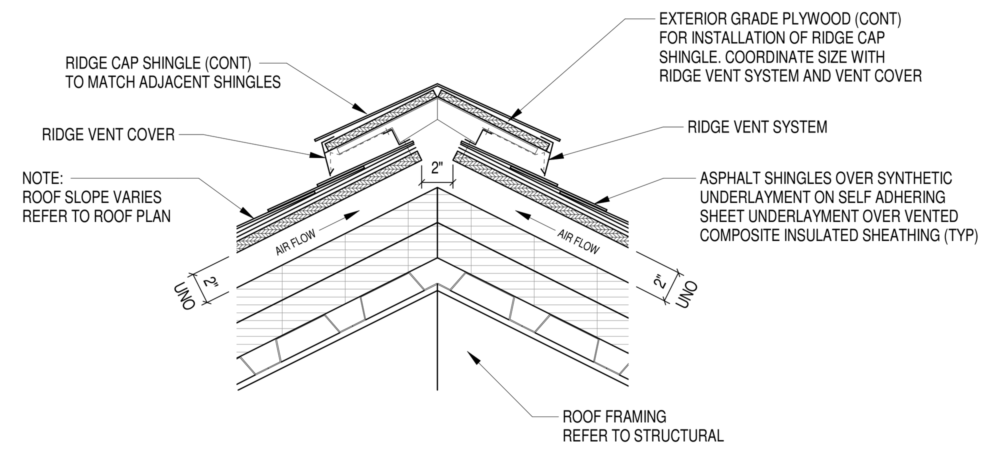

5 DETAIL - RIDGE VENT
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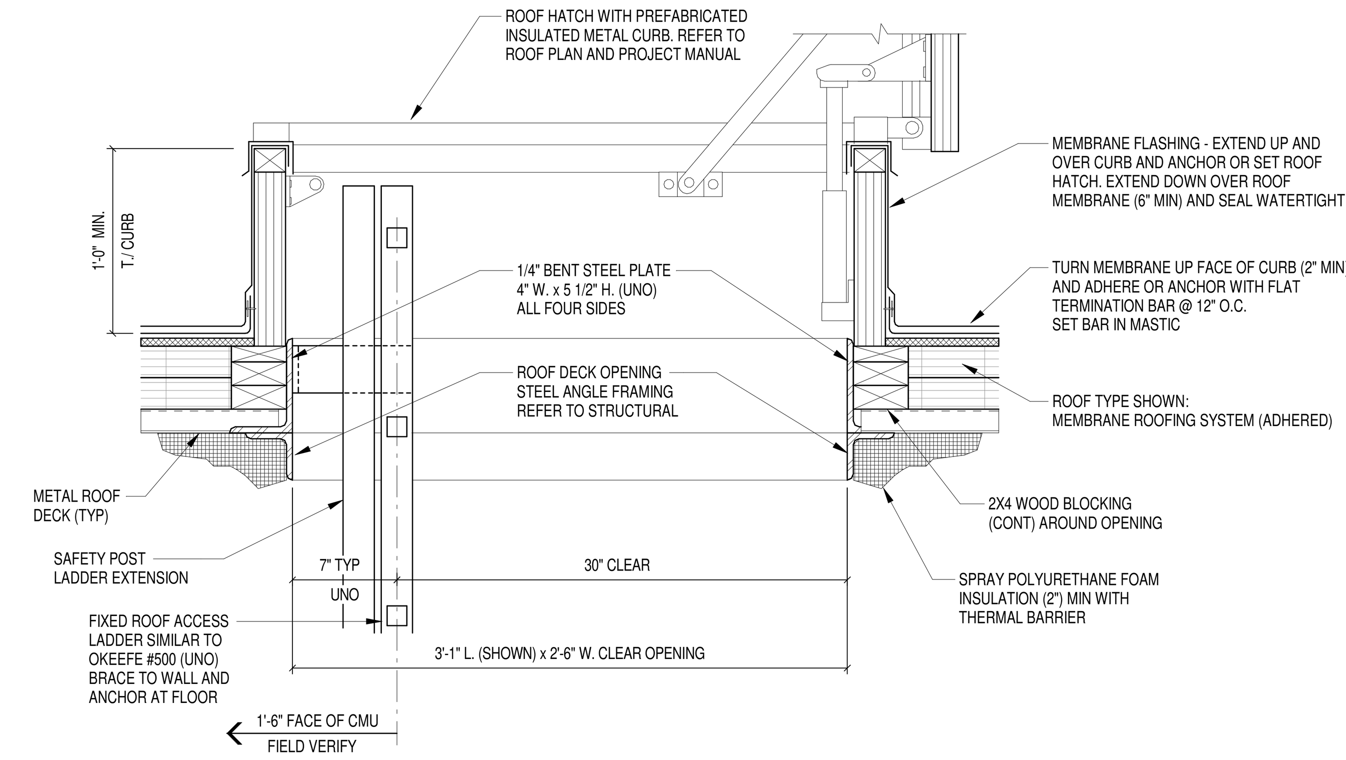
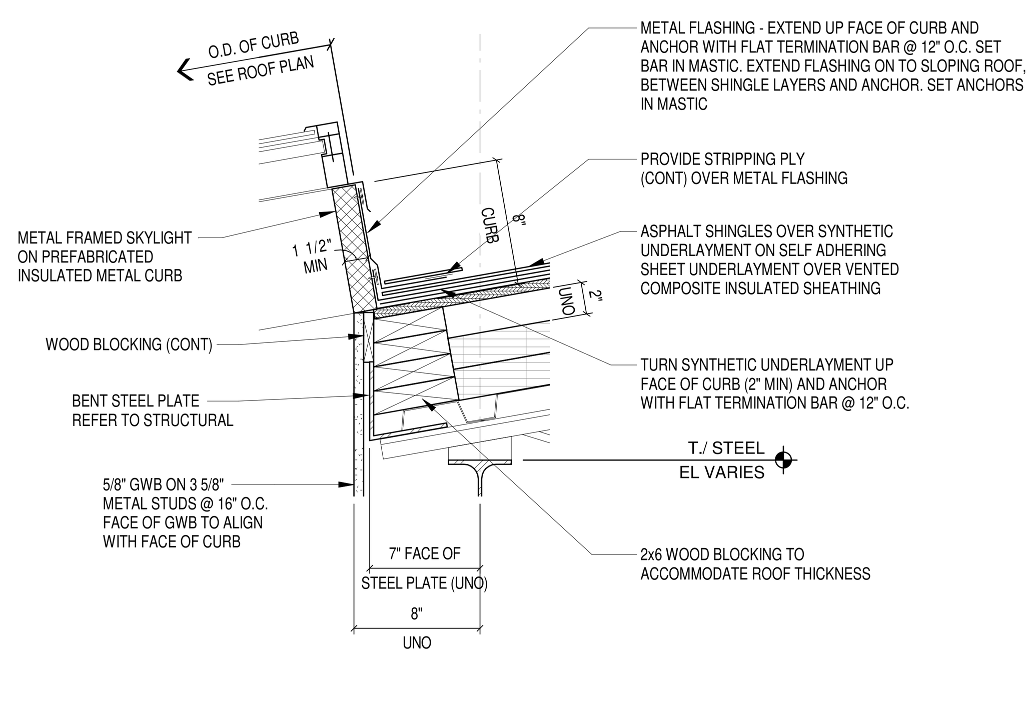


1 ROOF HATCH / ACCESS LADDER
SCALE: 1 1/2" = 1'-0"



10 SECTION (SKYLIGHT)
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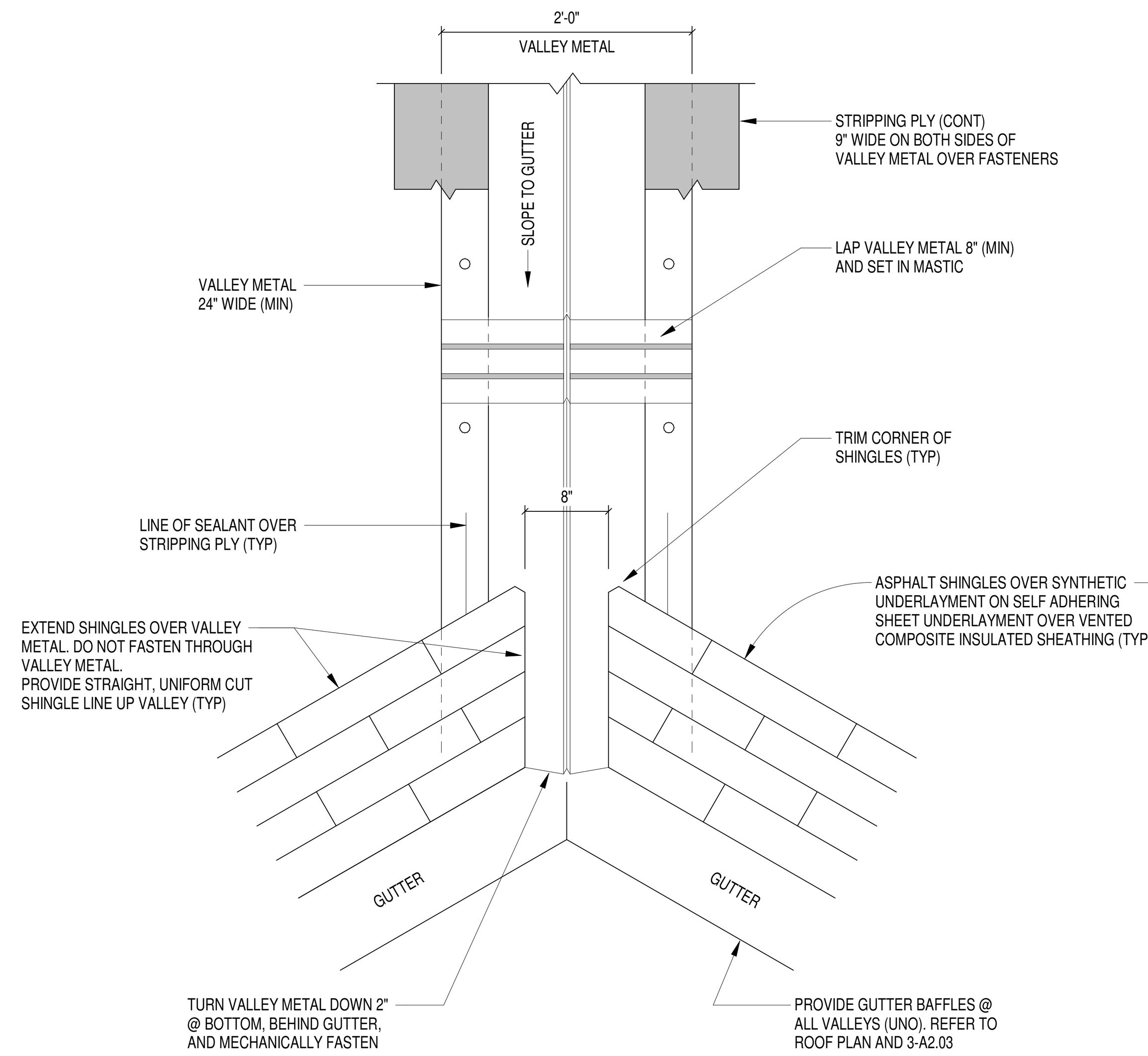

6 METAL VALLEY
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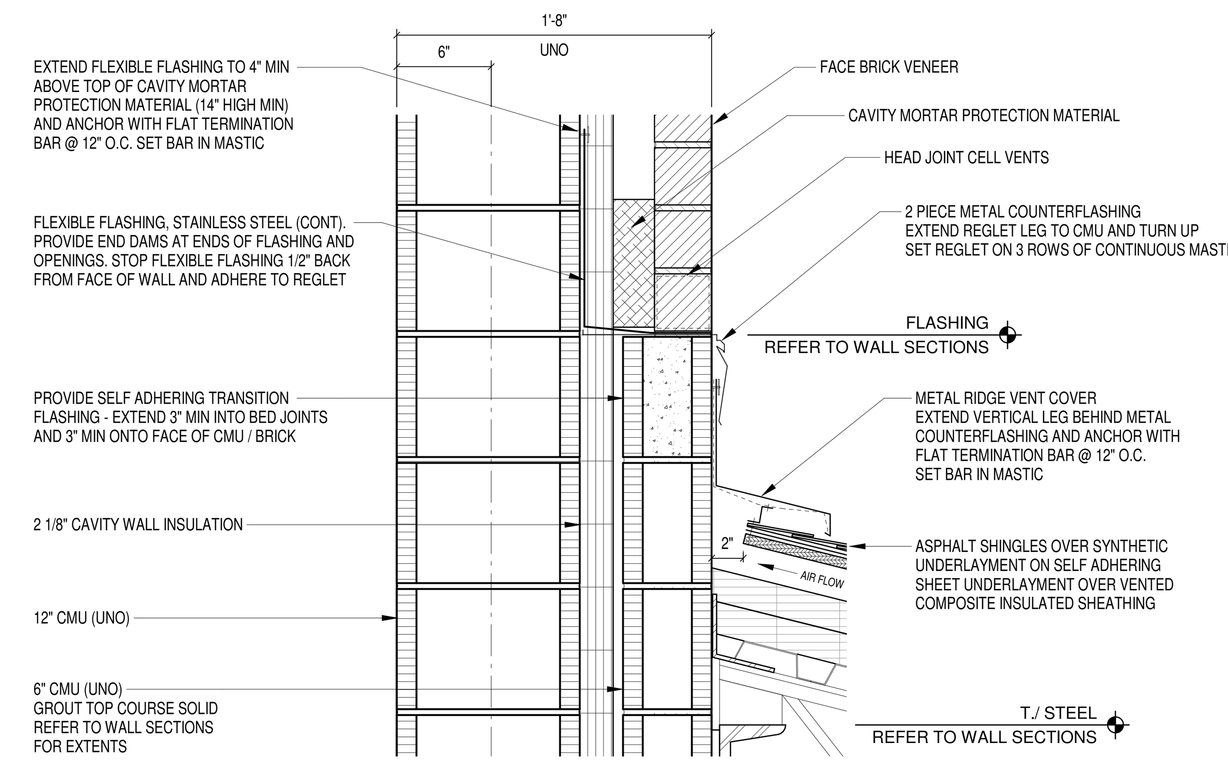

2 DETAIL
SCALE: 1 1/2" = 1'-0"

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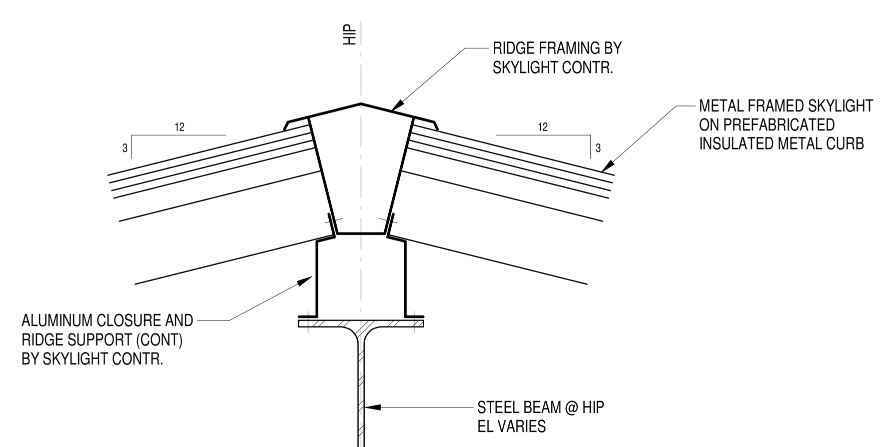
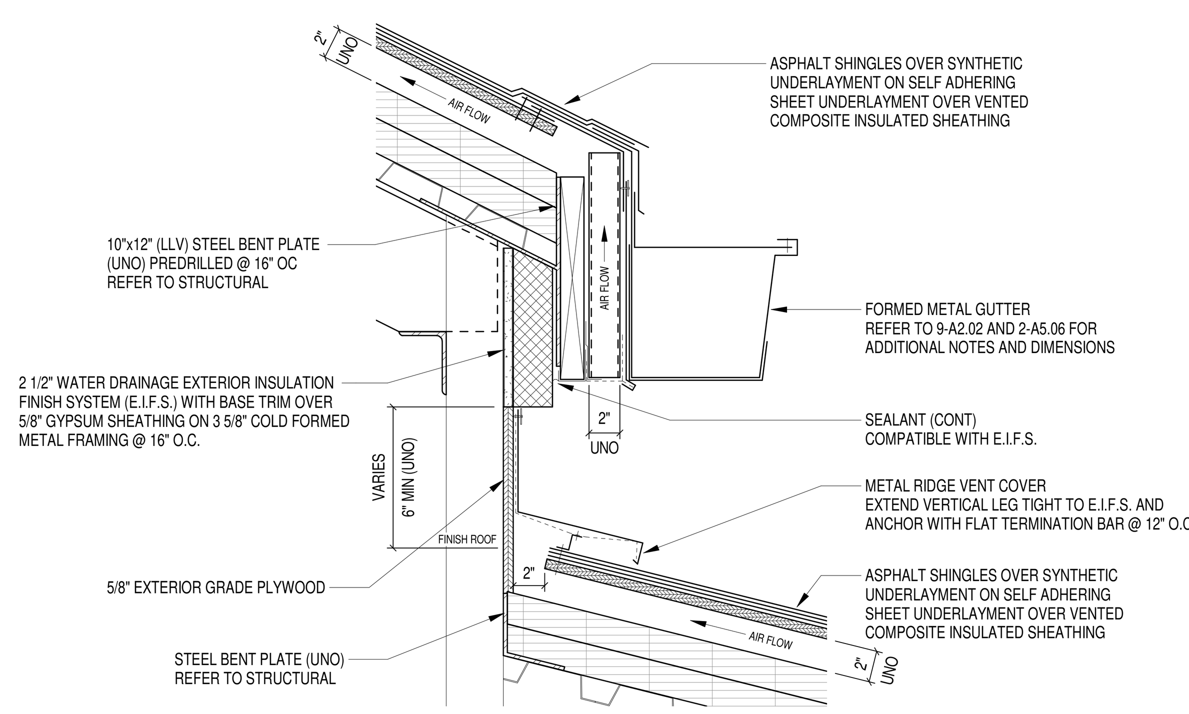


11 DETAIL - SKYLIGHT (HIP)
SCALE: 3" = 1'-0"



7 DETAIL
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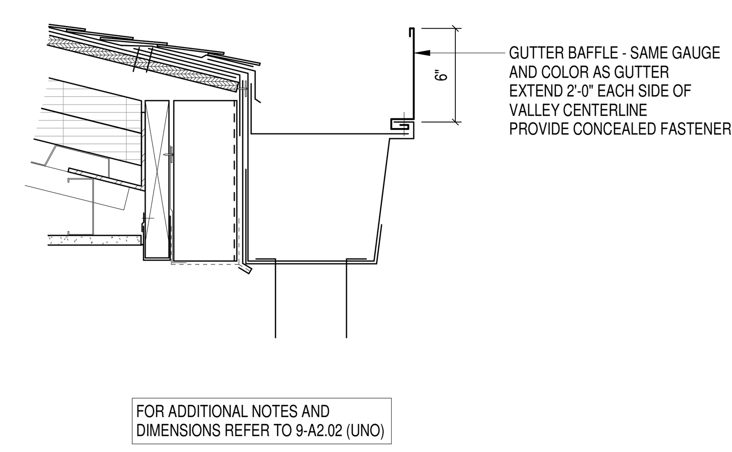
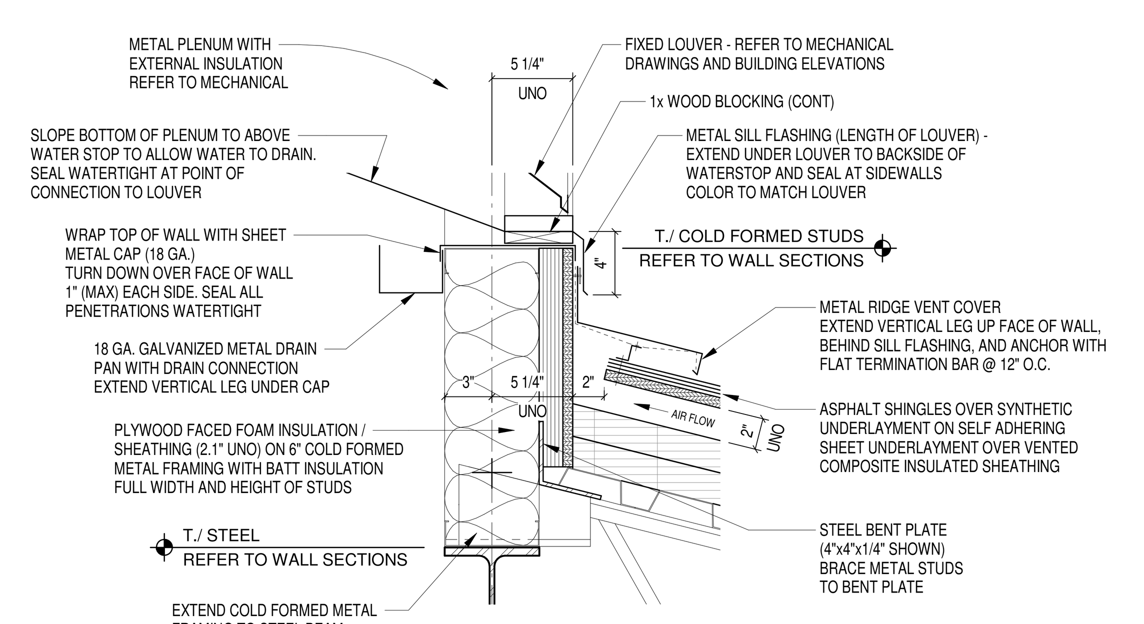
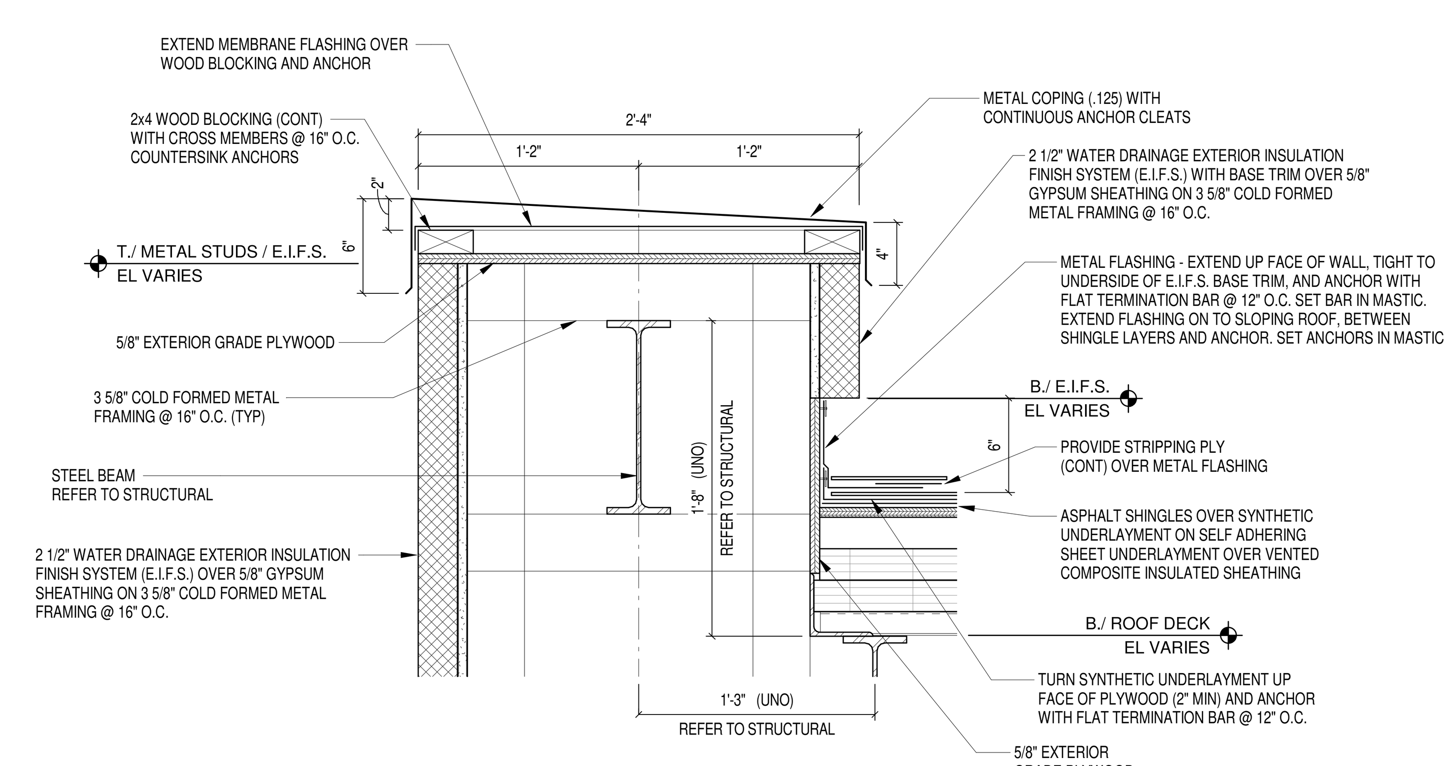


FOR ADDITIONAL NOTES AND DIMENSIONS REFER TO 9-A2.02 (UNO)

3 GUTTER BAFFLE (TYP @ VALLEYS)
SCALE: 1 1/2" = 1'-0"



8 SILL (LOUVER)
SCALE: 1 1/2" = 1'-0"



4 DETAIL
SCALE: 1 1/2" = 1'-0"

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CONSTRUCTION DOCUMENTS

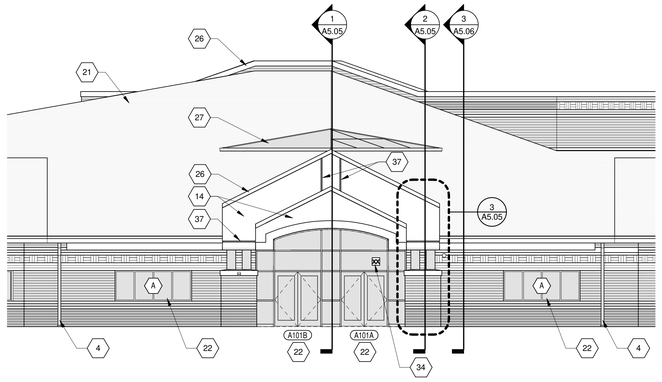
CHARLES ROBERT TYLER
REGISTERED
No. 4438
STATE OF INDIANA
ARCHITECT

PROJECT MANAGER: CT
DRAWN BY: MDM
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

ROOF DETAILS

A2.03



1 EXTERIOR ELEV.

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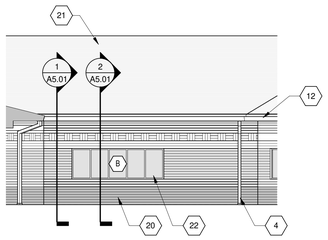

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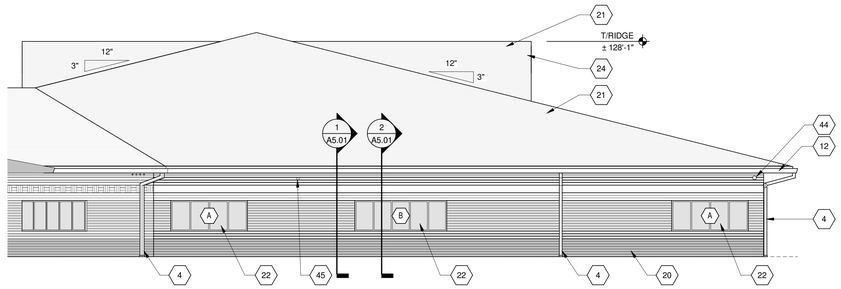

3 EXTERIOR ELEV.

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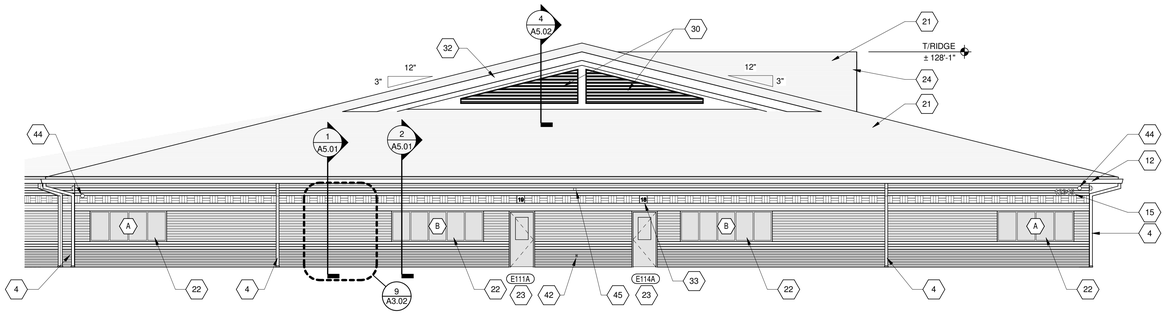

4 EXTERIOR ELEV.

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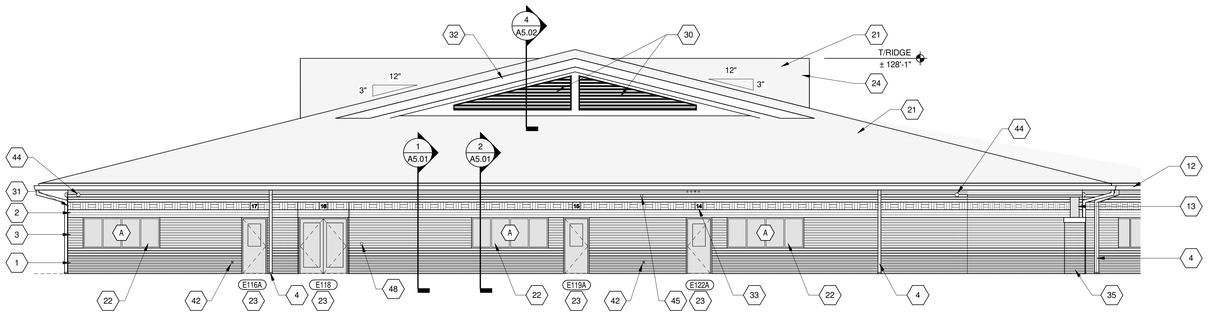

5 EXTERIOR ELEV.

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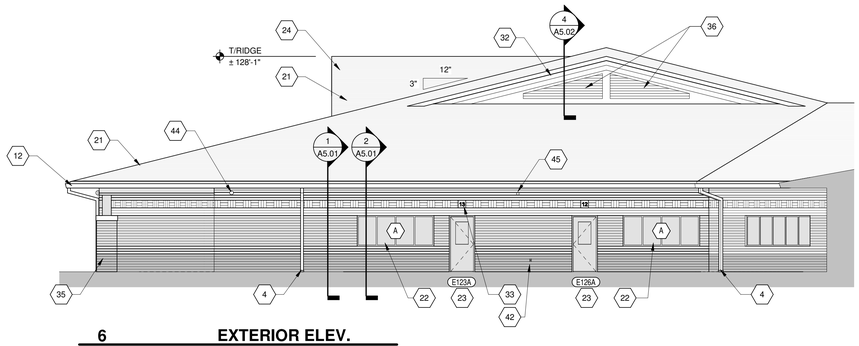

6 EXTERIOR ELEV.

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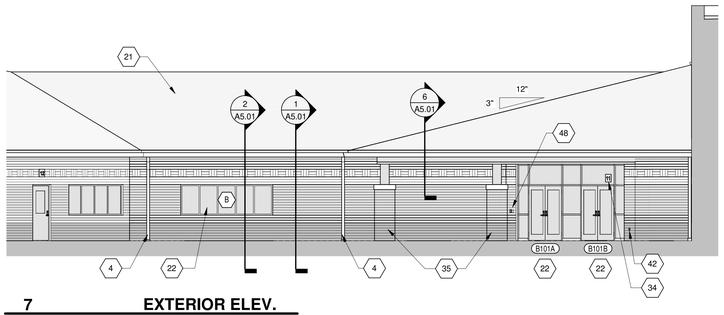

7 EXTERIOR ELEV.

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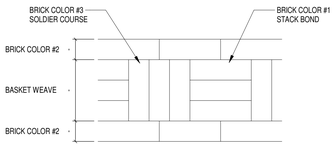
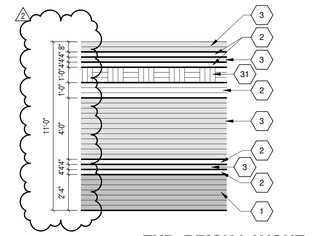


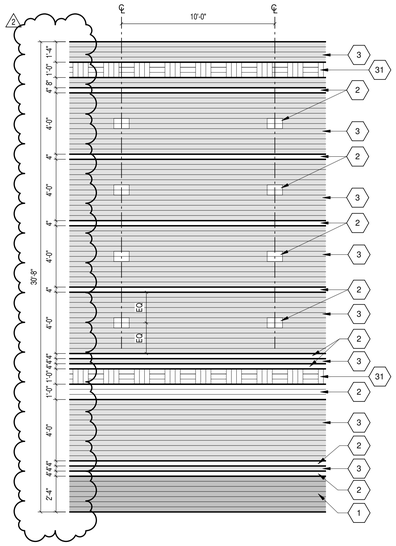
8 BASKETWEAVE DETAIL

SCALE: 1" = 1'-0"



9 TYP. BRICK LAYOUT

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



10 TYP. HIGH WALL BRICK LAYOUT

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

ELEVATION GENERAL NOTES

1. REFER TO THE ELECTRICAL AND TECHNOLOGY DRAWINGS FOR CAMERA, LOCATIONS, SECURITY DEVICES, RECEPTACLES, LIGHT FIXTURES, ETC. COORDINATE LOCATIONS WITH VENEER COURSING TO PROVIDE CONSISTENT MOUNTING HEIGHTS.
2. REFER TO PLUMBING DRAWINGS FOR EXTERIOR WALL HYDRANTS, SECONDARY ROOF DRAIN OUTLETS, ETC. COORDINATE PENETRATIONS THROUGH EXTERIOR ENVELOPE WITH OTHER TRADES. PROVIDE TRANSITION MEMBRANE TO MAINTAIN AIR BARRIER SYSTEM.
3. REFER TO MECHANICAL DRAWINGS FOR EXTERIOR LOUVER LOCATIONS LOCATED IN EXTERIOR WALL AND EXTERIOR SOFFITS. COORDINATE PENETRATIONS THROUGH EXTERIOR ENVELOPE WITH OTHER TRADES. PROVIDE TRANSITION MEMBRANE TO MAINTAIN AIR BARRIER SYSTEM.
4. REFER TO ENLARGED ELEVATIONS 8, 9, 10 SHEET A3.02 FOR TYPICAL BRICK LAYOUT.

BUILDING ELEVATION NOTES

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

1 FACE BRICK - COLOR 1
2 FACE BRICK - COLOR 2
3 FACE BRICK - COLOR 3
4 DOWNSPOUT
5 ALUMINUM FRAMED STOREFRONT SYSTEM
6 MASONRY PIER
7 METAL COPING
8 CAST STONE CAP
9 ASPHALT SHINGLE - COLOR 1
10 ASPHALT SHINGLE - COLOR 2
11 METAL FRAMED SKYLIGHT
12 FORMED METAL GUTTER
13 METAL COLUMN COVER
14 EXTERIOR INSULATION FINISH SYSTEM
15 8" TALL CAST METAL NUMBERS MOUNTED TO BUILDING.
20 FACE BRICK
21 ASPHALT SHINGLE
22 ALUMINUM STOREFRONT SYSTEM
23 FRP DOOR WITH ALUMINUM FRAME
24 DORMER
25 METAL LOUVER
26 METAL COPING
27 METAL FRAMED SKYLIGHT
28 OVERHEAD DOOR
29 METAL SERVICE GATES
30 METAL LOUVER (L1), REFER TO SHEET A6.01.
31 FACE BRICK BASKETWEAVE. REFER TO DETAIL 8/A3.02
32 BREAK METAL FASCIA TRIM
33 DOOR NUMBER - ALUMINUM SIGN PANEL WITH DECAL
34 DOOR NUMBER - VINYL DECAL
35 BRICK PIER - REFER TO DETAL 1/A1.08
36 METAL LOUVER (L2), REFER TO SHEET A6.01.
37 E.I.F.S. REIVEAL
38 MECHANICAL YARD SCREEN WALL
39 MECHANICAL YARD GATE
40 MECHANICAL YARD MAN DOOR
41 ELECTRICAL DISCONNECT. REFER TO ELECTRICAL DRAWINGS.
42 ELECTRICAL RECEPTACLE. REFER TO ELECTRICAL DRAWINGS.
43 LIGHT FIXTURE. REFER TO ELECTRICAL DRAWINGS.
44 SURVEILLANCE CAMERA. REFER TO TECHNOLOGY DRAWINGS.
45 HORN SPEAKER. REFER TO TECHNOLOGY DRAWINGS.
46 AUDIBLE AND VISIBLE NOTIFICATION APPLIANCE. REFER TO ELECTRICAL DRAWINGS.
47 FIRE ALARM BELL. REFER TO ELECTRICAL DRAWINGS.
48 CARD READER. REFER TO TECHNOLOGY DRAWINGS.
49 DOOR BELL. REFER TO ELECTRICAL DRAWINGS.

VERIFICATION NOTE

CONTRACTOR 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.

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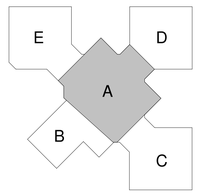

KEY PLAN

CONSTRUCTION DOCUMENTS

CHARLES ROBERT TYLER REGISTERED No. 4438 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: CT
DRAWN BY: BMD
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

BUILDING ELEVATIONS

A3.02

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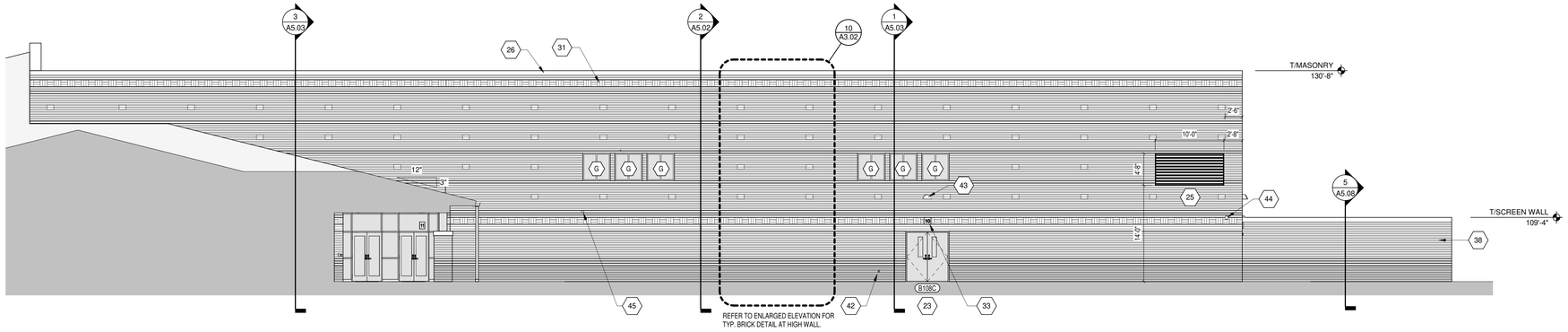

1 EXTERIOR ELEV.

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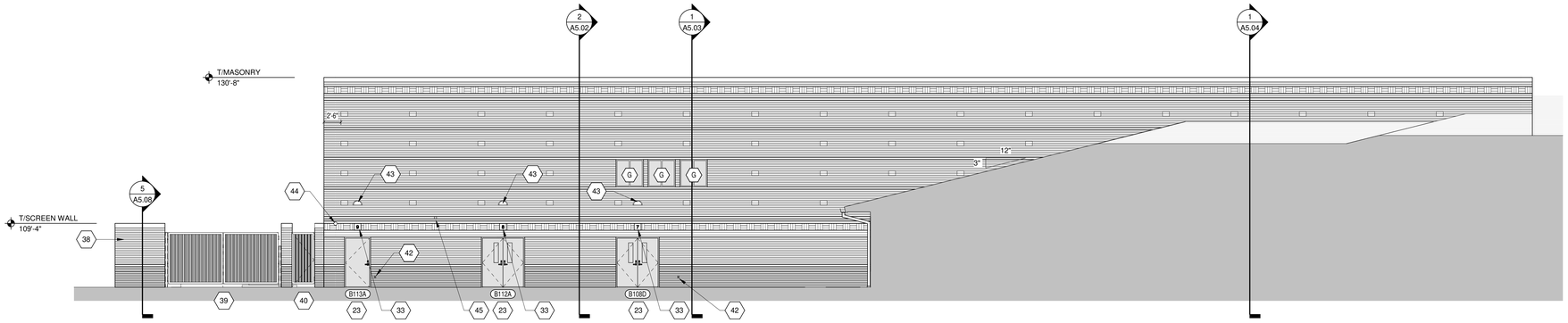

3 EXTERIOR ELEV.

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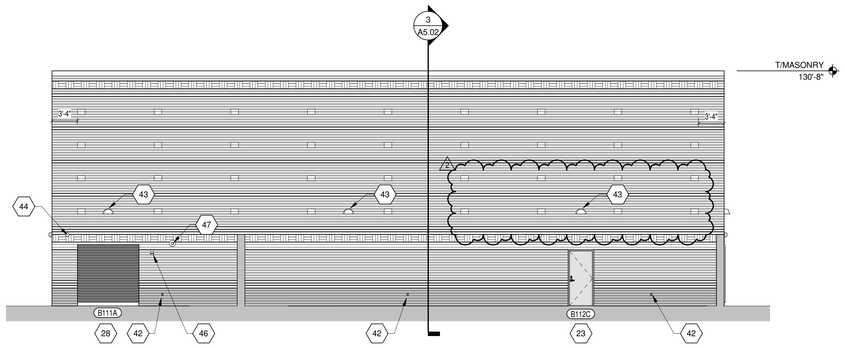

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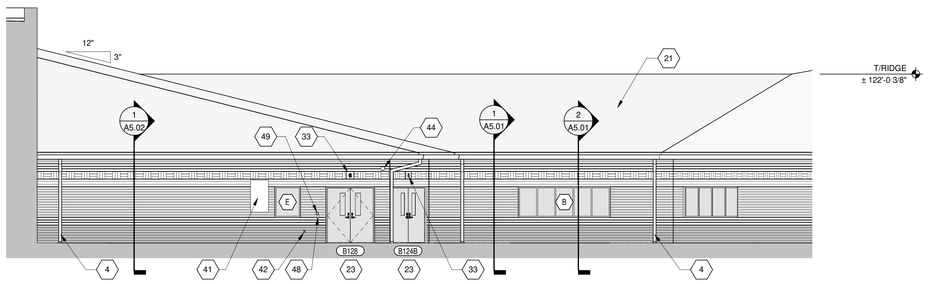

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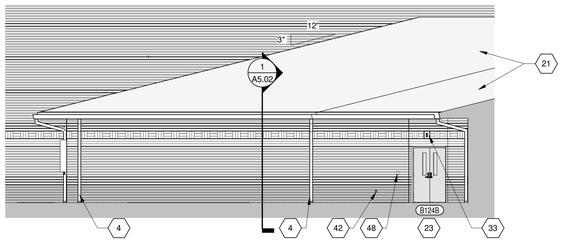
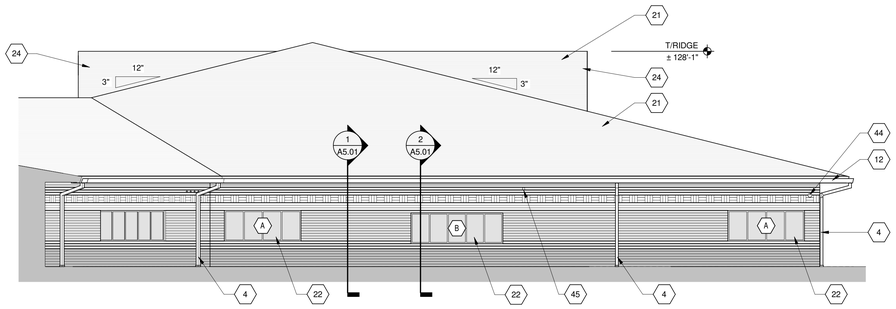


5 EXTERIOR ELEV.

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



7 EXTERIOR ELEV.

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

ELEVATION GENERAL NOTES

1. REFER TO THE ELECTRICAL AND TECHNOLOGY DRAWINGS FOR CAMERA, LOCATIONS, SECURITY DEVICES, RECEPTACLES, LIGHT FIXTURES, ETC. COORDINATE LOCATIONS WITH VENEER COURSING TO PROVIDE CONSISTENT MOUNTING HEIGHTS.
2. REFER TO PLUMBING DRAWINGS FOR EXTERIOR WALL HYDRANTS, SECONDARY ROOF DRAIN OUTLETS, ETC. COORDINATE PENETRATIONS THROUGH EXTERIOR ENVELOPE WITH OTHER TRADES. PROVIDE TRANSITION MEMBRANE TO MAINTAIN AIR BARRIER SYSTEM.
3. REFER TO MECHANICAL DRAWINGS FOR EXTERIOR LOUVER LOCATIONS LOCATED IN EXTERIOR WALL AND EXTERIOR SOFFITS. COORDINATE PENETRATIONS THROUGH EXTERIOR ENVELOPE WITH OTHER TRADES. PROVIDE TRANSITION MEMBRANE TO MAINTAIN AIR BARRIER SYSTEM.
4. REFER TO ENLARGED ELEVATIONS 8, 9, 10 SHEET A3.02 FOR TYPICAL BRICK LAYOUT.

BUILDING ELEVATION NOTES

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

1 FACE BRICK - COLOR 1
2 FACE BRICK - COLOR 2
3 FACE BRICK - COLOR 3
4 DOWNSPOUT
5 ALUMINUM FRAMED STOREFRONT SYSTEM
6 MASONRY PIER
7 METAL COPING
8 CAST STONE CAP
9 ASPHALT SHINGLE - COLOR 1
10 ASPHALT SHINGLE - COLOR 2
11 METAL FRAMED SKYLIGHT
12 FORMED METAL GUTTER
13 METAL COLUMN COVER
14 EXTERIOR INSULATION FINISH SYSTEM
15 8" TALL CAST METAL NUMBERS MOUNTED TO BUILDING.
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25 METAL LOUVER
26 METAL COPING
27 METAL FRAMED SKYLIGHT
28 OVERHEAD DOOR
29 METAL SERVICE GATES
30 METAL LOUVER (L1), REFER TO SHEET A6.01.
31 FACE BRICK BASKETWEAVE. REFER TO DETAIL 8/A3.02
32 BREAK METAL FASCIA TRIM
33 DOOR NUMBER - ALUMINUM SIGN PANEL WITH DECAL
34 DOOR NUMBER - VINYL DECAL
35 BRICK PIER - REFER TO DETAL 1/A1.08
36 METAL LOUVER (L2), REFER TO SHEET A6.01.
37 E.I.F.S. REIVEAL
38 MECHANICAL YARD SCREEN WALL
39 MECHANICAL YARD GATE
40 MECHANICAL YARD MAN DOOR
41 ELECTRICAL DISCONNECT. REFER TO ELECTRICAL DRAWINGS.
42 ELECTRICAL RECEPTACLE. REFER TO ELECTRICAL DRAWINGS.
43 LIGHT FIXTURE. REFER TO ELECTRICAL DRAWINGS.
44 SURVEILLANCE CAMERA. REFER TO TECHNOLOGY DRAWINGS.
45 HORN SPEAKER. REFER TO TECHNOLOGY DRAWINGS.
46 AUDIBLE AND VISIBLE NOTIFICATION APPLIANCE. REFER TO ELECTRICAL DRAWINGS.
47 FIRE ALARM BELL. REFER TO ELECTRICAL DRAWINGS.
48 CARD READER. REFER TO TECHNOLOGY DRAWINGS.
49 DOOR BELL. REFER TO ELECTRICAL DRAWINGS.

VERIFICATION NOTE

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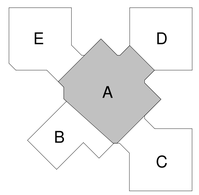

KEY PLAN

CONSTRUCTION DOCUMENTS

CHARLES ROBERT TILLER REGISTERED No. 4438 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: CT
DRAWN BY: BMD
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

BUILDING ELEVATIONS

A3.03

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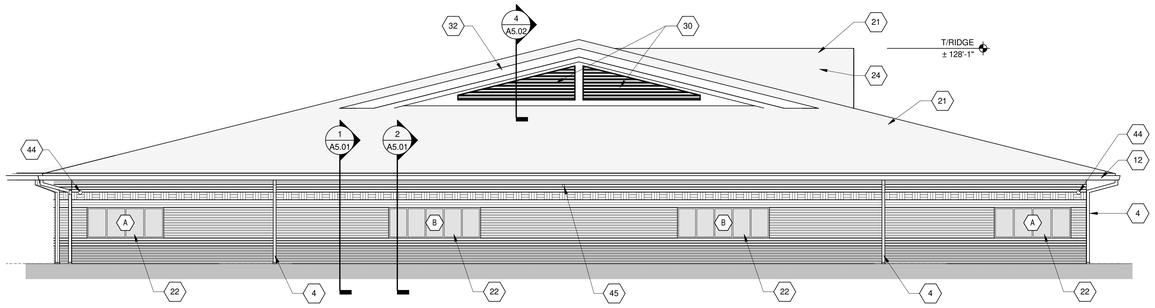
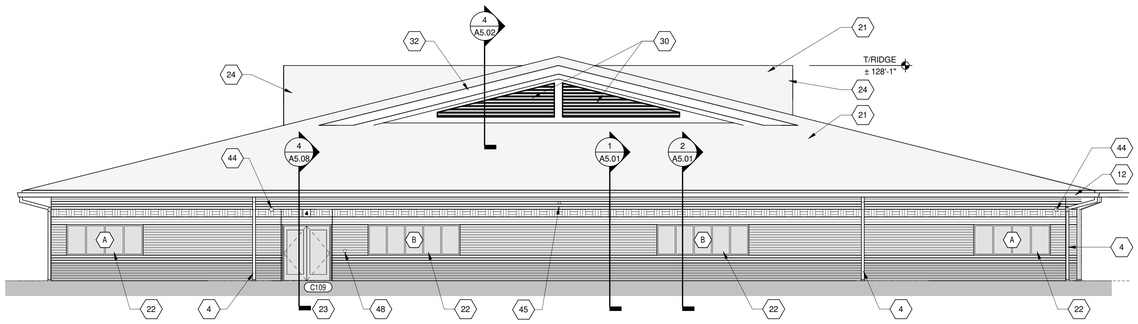
SEE SHEET A3.02 FOR TYPICAL ELEVATIONS NOTES



1 EXTERIOR ELEV.

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



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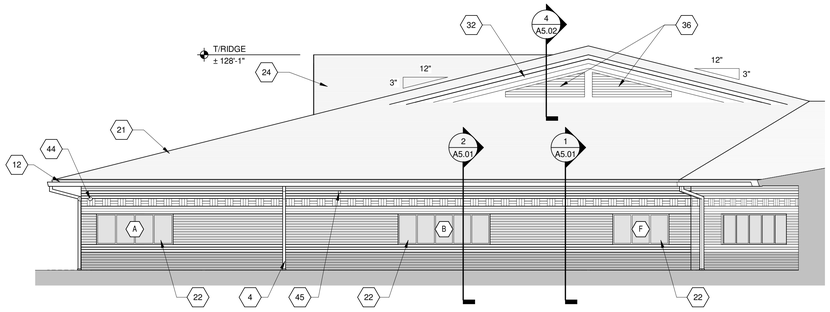

3 EXTERIOR ELEV.

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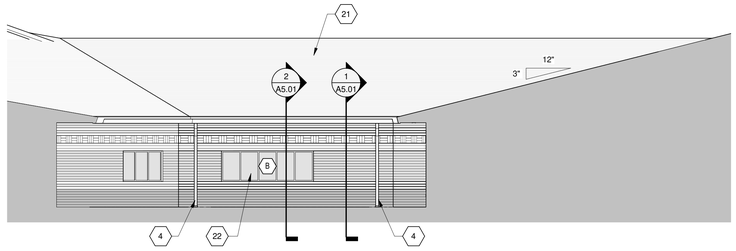

4 EXTERIOR ELEV.

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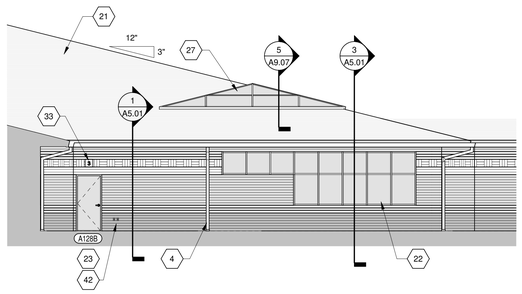

5 EXTERIOR ELEV.

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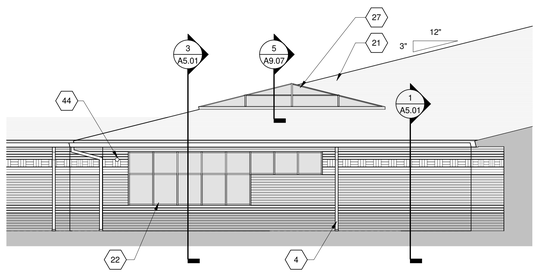
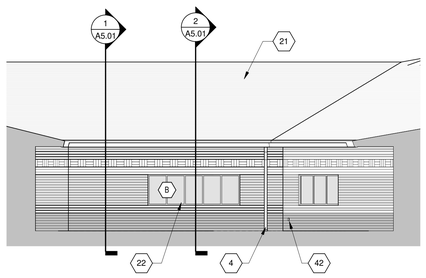


6 EXTERIOR ELEV.

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



7 EXTERIOR ELEV.

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

ELEVATION GENERAL NOTES

1. REFER TO THE ELECTRICAL AND TECHNOLOGY DRAWINGS FOR CAMERA, LOCATIONS, SECURITY DEVICES, RECEPTACLES, LIGHT FIXTURES, ETC. COORDINATE LOCATIONS WITH VENEER COURSING TO PROVIDE CONSISTENT MOUNTING HEIGHTS.
2. REFER TO PLUMBING DRAWINGS FOR EXTERIOR WALL HYDRANTS, SECONDARY ROOF DRAIN OUTLETS, ETC. COORDINATE PENETRATIONS THROUGH EXTERIOR ENVELOPE WITH OTHER TRADES. PROVIDE TRANSITION MEMBRANE TO MAINTAIN AIR BARRIER SYSTEM.
3. REFER TO MECHANICAL DRAWINGS FOR EXTERIOR LOUVER LOCATIONS LOCATED IN EXTERIOR WALL AND EXTERIOR SOFFITS. COORDINATE PENETRATIONS THROUGH EXTERIOR ENVELOPE WITH OTHER TRADES. PROVIDE TRANSITION MEMBRANE TO MAINTAIN AIR BARRIER SYSTEM.
4. REFER TO ENLARGED ELEVATIONS 8, 9, 10 SHEET A3.02 FOR TYPICAL BRICK LAYOUT.

BUILDING ELEVATION NOTES

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

1 FACE BRICK - COLOR 1
2 FACE BRICK - COLOR 2
3 FACE BRICK - COLOR 3
4 DOWNSPOUT
5 ALUMINUM FRAMED STOREFRONT SYSTEM
6 MASONRY PIER
7 METAL COPING
8 CAST STONE CAP
9 ASPHALT SHINGLE - COLOR 1
10 ASPHALT SHINGLE - COLOR 2
11 METAL FRAMED SKYLIGHT
12 FORMED METAL GUTTER
13 METAL COLUMN COVER
14 EXTERIOR INSULATION FINISH SYSTEM
15 8" TALL CAST METAL NUMBERS MOUNTED TO BUILDING.
20 FACE BRICK
21 ASPHALT SHINGLE
22 ALUMINUM STOREFRONT SYSTEM
23 FRP DOOR WITH ALUMINUM FRAME
24 DORMER
25 METAL LOUVER
26 METAL COPING
27 METAL FRAMED SKYLIGHT
28 OVERHEAD DOOR
29 METAL SERVICE GATES
30 METAL LOUVER (L1), REFER TO SHEET A6.01.
31 FACE BRICK BASKETWEAVE. REFER TO DETAIL 8/A3.02
32 BREAK METAL FASCIA TRIM
33 DOOR NUMBER - ALUMINUM SIGN PANEL WITH DECAL
34 DOOR NUMBER - VINYL DECAL
35 BRICK PIER - REFER TO DETAL 1/A1.08
36 METAL LOUVER (L2), REFER TO SHEET A6.01.
37 E.I.F.S. REVEAL
38 MECHANICAL YARD SCREEN WALL
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40 MECHANICAL YARD MAN DOOR
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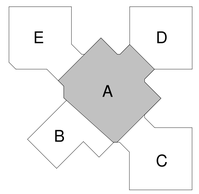

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT
DRAWN BY: BMD
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

BUILDING ELEVATIONS

A3.04

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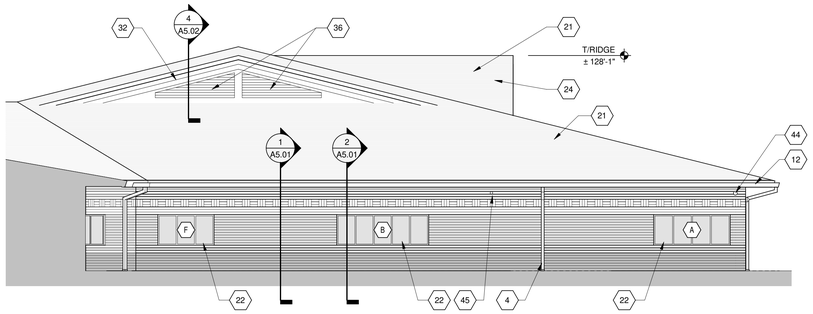
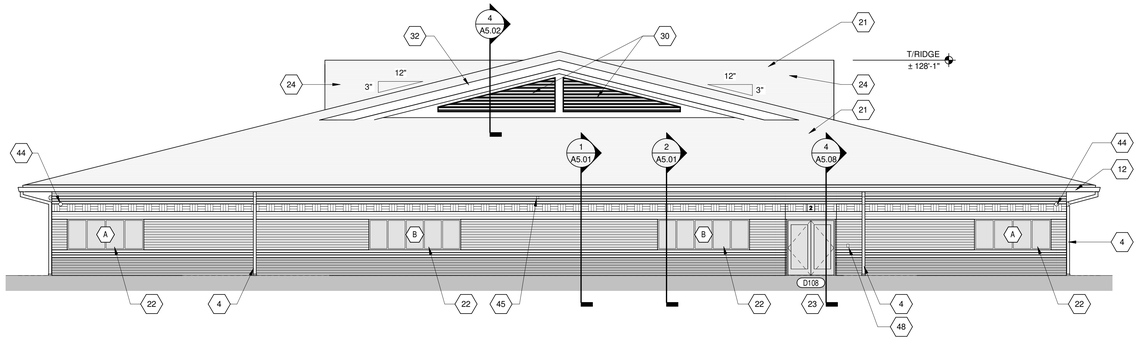
SEE SHEET A3.02 FOR TYPICAL ELEVATIONS NOTES



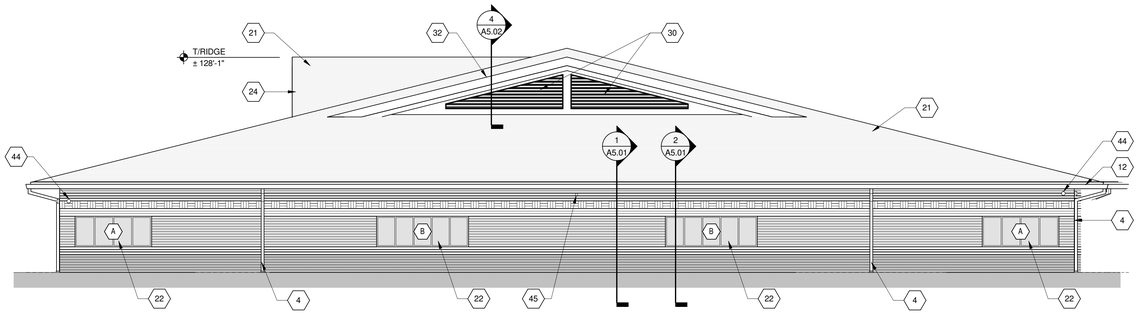
1 EXTERIOR ELEV.

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



2 EXTERIOR ELEV.

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



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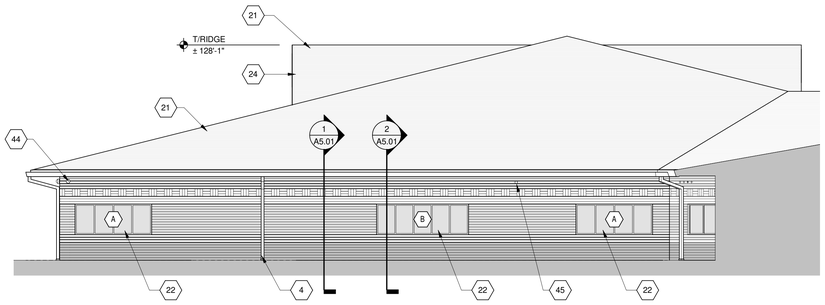
SCALE: 1/8" = 1'-0"



4 EXTERIOR ELEV.

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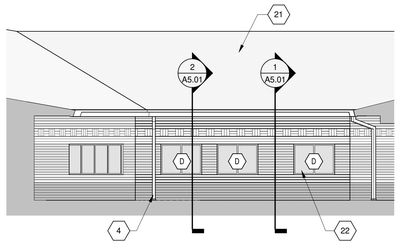

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29 METAL SERVICE GATES
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32 BREAK METAL FASCIA TRIM
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35 BRICK PIER - REFER TO DETAL 1/A1.08
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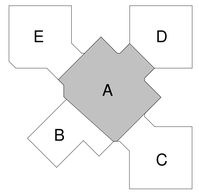

KEY PLAN

CONSTRUCTION DOCUMENTS

CHARLES ROBERT ETLER REGISTERED No. 4438 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: CT
DRAWN BY: BMD
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

BUILDING ELEVATIONS

A3.05

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UNIT A - FIRST FLOOR EQUIPMENT PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT A

ROOM NO.	OWNER ROOM NO.	ROOM NAME	AREA (SF)
A101		VESTIBULE	341 SF
A102		LOBBY	366 SF
A103		CORRIDOR	925 SF
A104		RECEPTION AREA	470 SF
A105		OFFICE	80 SF
A106		ASSISTANT PRINCIPAL'S OFFICE	166 SF
A107		PRINCIPAL'S OFFICE	214 SF
A108		OFFICE	87 SF
A109		RESTROOM	56 SF
A110		CORRIDOR	230 SF
A111		CONFERENCE ROOM	208 SF
A112		STORAGE	34 SF
A113		GUIDANCE CONFERENCE ROOM	127 SF
A115		WORKROOM	175 SF
A116		CLINIC	366 SF
A117		RESTROOM	54 SF
A118		STORAGE	48 SF
A119		CORRIDOR	488 SF
A120		CORRIDOR	289 SF
A121		CLASSROOM	956 SF
A122		GUIDANCE COUNCELOR'S OFFICE	377 SF
A123		CONFERENCE ROOM	433 SF
A124		SPEECH AND HEARING	154 SF
A125		OFFICE	127 SF
A126		WORKROOM	261 SF
A127		STORAGE	180 SF
A128		MEDIA CENTER	2434 SF
A129		STORAGE	305 SF
A130		PROJECT	1039 SF
A131		CORRIDOR	706 SF
A133		CUSTODIAL CLOSET	60 SF
A134		WORKROOM	600 SF
A135		STORAGE	112 SF
A136		MUSIC	1162 SF
A137		ART	1105 SF
A138		STORAGE / KILN	102 SF
A139		PUBLICATION	222 SF
A140		STORAGE	35 SF
A141		JANITOR CLOSET	43 SF

EQUIPMENT GENERAL NOTES

A. ALL COUNTERTOPS TO HAVE CONTINUOUS 4" HIGH BACKSPLASHES AND ENDSPLASHES UNLESS NOTED OTHERWISE.
B. HIDDEN LINES ( ) INDICATE ITEMS TO BE PART OF LOOSE EQUIPMENT PACKAGE OR BY OWNER, NOT INCLUDED IN CONSTRUCTION CONTRACTS. DASHED LINES ( ) INDICATE OVERHEAD ITEMS (INCLUDED IN CONSTRUCTION CONTRACTS).
C. ALL PROJECTION SCREENS (PS) AND VIDEO FORMAT PROJECTION SCREENS (VFPS) ARE TO BE CEILING MOUNTED AND MANUAL UNLESS NOTED OTHERWISE. - X REFERS TO MOUNTING HEIGHT, SEE SHEET A7.XX. CONTRACTOR TO DETERMINE LOCATIONS AND AMOUNT OF EXTRA DROP REQUIRED ON CEILING MOUNTED SCREENS.
D. (TB) INDICATES 4' HIGH TACK BOARD LENGTH AS INDICATED. REFER TO MOUNTING HEIGHT DRAWING.
E. (MW) INDICATES 7' HIGH PANELIZED MAGNETIC MARKERWALL. LENGTH AS INDICATED.
F. (MB) INDICATES 4' HIGH MARKER BOARD LENGTH AS INDICATED. REFER TO MOUNTING HEIGHT DRAWING.
G. PROVIDE FILLER STRIPS BETWEEN CASEWORK UNITS AND WALL OR BETWEEN ANY UNIT AS REQUIRED. EXTEND COUNTER TO FACE OF WALL OR ADJACENT TALL CABINET.
H. ALL CASEWORK DOORS AND DRAWERS SHALL BE LOCKABLE.
I. ALL EXPOSED ENDS AND BACKS OF CASEWORK SHALL BE FINISHED.
J. CASEWORK INSTALLER SHALL CUT CASEWORK AS REQUIRED FOR PLUMBING/ELECTRICAL LINES.
K. CASEWORK INSTALLER SHALL CAULK BETWEEN COUNTERS, BACKSPLASHES, AND WALLS.
L. ALL WALL-MOUNTED CASEWORK SHALL BE MOUNTED WITH THE TOP AT 7'-0" AFF UNLESS OTHERWISE NOTED.
M. REFER TO A7.12 FOR BASKETBALL, AND VOLLEYBALL COURT LAYOUTS.
N. PROVIDE ACRYLIC ADA-COMPLIANT ROOM SIGN AT EACH ROOM ENTRANCE.
O. (SE-?) INDICATES STAGE EQUIPMENT. REFER TO SCHEDULE ON A7S.01 FOR ADDITIONAL INFORMTION.
P. (PE-?) INDICATES PE EQUIPMENT. REFER TO SCHEDULE ON A7S.01 FOR ADDITIONAL INFORMTION.
Q. REFER TO A8 SERIES FOR CORNER GUARD LOCATIONS.
R. REFER TO A8 SERIES FOR TACKABLE WALL SURFACE LOCATIONS.
S. (MB-XDL) INDICATES 4' HIGH MARKER BOARD LENGTH AS INDICATED. INCLUDE BOTH DASHED AND SOLID WRITING LINES ON BOARD. REFER TO MOUNTING HEIGHT DRAWING AND DETAIL 12/A7.07.
T. (MB-XL) INDICATES 4' HIGH MARKER BOARD LENGTH AS INDICATED. INCLUDE SOLID WRITING LINES ON BOARD. REFER TO MOUNTING HEIGHT DRAWING AND DETAIL 13/A7.07.

EQUIPMENT NOTES

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

1 18"D CHARGING COUNTERTOP WITH BACKSPLASH. OPEN KNEESPACE BELOW w/ CONCEALED SUPPORT BRACKETS. REFER TO DETAIL ON A7.06.
2 ELECTRIC KILN, BASIS OF DESIGN IS AMACO EX-3999SF. REFER TO MECHANICAL DRAWINGS FOR HOOD INFORMATION.
3 CUBICLE CURTAINS/TRACKS
4 SINGLE TIER METAL LOCKER WITH SLOPED TOP & CONCRETE BASE.
5 VENDING MACHINE, BY OTHERS
6 DISPLAY CASE, SEE A1 SERIES PLANS
7 PROJECTION SCREEN, SUSPENDED FROM STRUCTURE WITH BOTTOM OF HEADBOX AT 15'-6" ABOVE STAGE. 165" DIAGONAL MEASUREMENT, 16:10 ASPECT RATIO. INCLUDE 40" DROP TO CLEAR STAGE CURTAIN VALANCE.
8 WASHER & DRYER, PROVIDED BY OWNER
9 OPERABLE WALL (OP-1) w/ MARKERBOARD SURFACE ON BOTH SIDES.
10 ELECTRIC RANGE, BY OWNER
11 REFRIGERATOR w/ ICE MACHINE, BY OWNER
12 VENTILATION HOOD. BASIS OF DESIGN IS BROAN 42000 SERIES, STAINLESS STEEL FINISH. REFER TO MECHANICAL DRAWINGS FOR DUCTWORK CONNECTION INFORMATION.
13 ICE MAKER, BY OWNER
14 UNDER-COUNTER REFRIGERATOR, BY OWNER
15 TV MONITOR, BY OWNER
16 ACCORDIAN FOLDING PARTITION, REFER TO A1 SERIES
17 SOLID SURFACE LAV ASSEMBLY WITH INTEGRAL SINKS. REFER TO DETAILS 1&2/A7.07.
18 SOLID SURFACE LAV ASSEMBLY WITH INTEGRAL SINKS. REFER TO DETAILS 3&4/A7.07.
19 WOOD BENCH, REFER TO DETAIL 11/A7.07.
20 OPERABLE WALL (OP-2)
21 BOX OUT FILLER FROM TOP OF CABINET TO BOTTOM OF BULKHEAD ABOVE. REFER TO ELEVATIONS AND DETAIL 14/A7.07.
22 SOLID SURFACE WALL CAP, SSM-3

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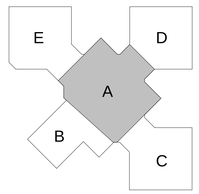

KEY PLAN

CONSTRUCTION DOCUMENTS

CHARLES ROBERT TILLES REGISTERED No. 4438 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: CRT

DRAWN BY: AML

PROJECT NUMBER: 219124.00

PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	6-19-20
2	ADDENDUM #2	6-29-20

UNIT A - FIRST FLOOR EQUIPMENT PLAN

A7.01

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UNIT C - FIRST FLOOR EQUIPMENT PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT C

ROOM NO.	OWNER ROOM NO.	ROOM NAME	AREA (SF)
C101		CORRIDOR	597 SF
C102		PROJECT / LGI	971 SF
C103		CLASSROOM	897 SF
C104		CLASSROOM	976 SF
C105		CLASSROOM	911 SF
C106		CLASSROOM	976 SF
C107		CLASSROOM	983 SF
C108		CORRIDOR	182 SF
C109		VESTIBULE	70 SF
C110		CLASSROOM	974 SF
C111		CLASSROOM	990 SF
C112		CLASSROOM	982 SF
C113		CLASSROOM	911 SF
C114		CLASSROOM	975 SF
C115		CLASSROOM	898 SF
C116		SPECIAL EDUCATION RESOURCE	946 SF
C117		RESTROOM	56 SF
C118		QUIET ROOM	54 SF
C119		CORRIDOR	78 SF
C120		COMMONS	1165 SF
C121		CORRIDOR	143 SF
C122		COMMONS	1165 SF
C123		TECHNOLOGY CLOSET	61 SF
C124A		SMALL GROUP ROOM	131 SF
C124B		SMALL GROUP ROOM	131 SF
C125		RESTROOM VESTIBULE	72 SF
C126		GIRL'S RESTROOM	146 SF
C127		BOY'S RESTROOM	146 SF
C128		RESTROOM	47 SF
C129		WORKROOM	178 SF
C130		CUSTODIAL CLOSET	68 SF
C131		RESTROOM VESTIBULE	72 SF
C132		BOY'S RESTROOM	146 SF
C133		GIRL'S RESTROOM	146 SF

EQUIPMENT GENERAL NOTES

A. ALL COUNTERTOPS TO HAVE CONTINUOUS 4" HIGH BACKSPLASHES AND ENDSPLASHES UNLESS NOTED OTHERWISE.
B. HIDDEN LINES ( ) INDICATE ITEMS TO BE PART OF LOOSE EQUIPMENT PACKAGE OR BY OWNER, NOT INCLUDED IN CONSTRUCTION CONTRACTS. DASHED LINES ( ) INDICATE OVERHEAD ITEMS (INCLUDED IN CONSTRUCTION CONTRACTS).
C. ALL PROJECTION SCREENS (PS) AND VIDEO FORMAT PROJECTION SCREENS (VFPS) ARE TO BE CEILING MOUNTED AND MANUAL UNLESS NOTED OTHERWISE. - X REFERS TO MOUNTING HEIGHT, SEE SHEET A7.XX. CONTRACTOR TO DETERMINE LOCATIONS AND AMOUNT OF EXTRA DROP REQUIRED ON CEILING MOUNTED SCREENS.
D. (TB) INDICATES 4' HIGH TACK BOARD LENGTH AS INDICATED. REFER TO MOUNTING HEIGHT DRAWING.
E. (MW) INDICATES 7' HIGH PANELIZED MAGNETIC MARKERWALL. LENGTH AS INDICATED.
F. (MB) INDICATES 4' HIGH MARKER BOARD LENGTH AS INDICATED. REFER TO MOUNTING HEIGHT DRAWING.
G. PROVIDE FILLER STRIPS BETWEEN CASEWORK UNITS AND WALL OR BETWEEN ANY UNIT AS REQUIRED. EXTEND COUNTER TO FACE OF WALL OR ADJACENT TALL CABINET.
H. ALL CASEWORK DOORS AND DRAWERS SHALL BE LOCKABLE.
I. ALL EXPOSED ENDS AND BACKS OF CASEWORK SHALL BE FINISHED.
J. CASEWORK INSTALLER SHALL CUT CASEWORK AS REQUIRED FOR PLUMBING/ELECTRICAL LINES.
K. CASEWORK INSTALLER SHALL CAULK BETWEEN COUNTERS, BACKSPLASHES, AND WALLS.
L. ALL WALL-MOUNTED CASEWORK SHALL BE MOUNTED WITH THE TOP AT 7'-0" AFF UNLESS OTHERWISE NOTED.
M. REFER TO A7.12 FOR BASKETBALL AND VOLLEYBALL COURT LAYOUTS.
N. PROVIDE ACRYLIC ADA-COMPLIANT ROOM SIGN AT EACH ROOM ENTRANCE.
O. (SE-?) INDICATES STAGE EQUIPMENT. REFER TO SCHEDULE ON A7S.01 FOR ADDITIONAL INFORMTION.
P. (PE-?) INDICATES PE EQUIPMENT. REFER TO SCHEDULE ON A7S.01 FOR ADDITIONAL INFORMTION.
Q. REFER TO A8 SERIES FOR CORNER GUARD LOCATIONS.
R. REFER TO A8 SERIES FOR TACKABLE WALL SURFACE LOCATIONS.
S. (MB-XDL) INDICATES 4' HIGH MARKER BOARD LENGTH AS INDICATED. INCLUDE BOTH DASHED AND SOLID WRITING LINES ON BOARD. REFER TO MOUNTING HEIGHT DRAWING AND DETAIL 12/A7.07. 1
T. (MB-XL) INDICATES 4' HIGH MARKER BOARD LENGTH AS INDICATED. INCLUDE SOLID WRITING LINES ON BOARD. REFER TO MOUNTING HEIGHT DRAWING AND DETAIL 13/A7.07.

EQUIPMENT NOTES

X

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

1 16"D CHARGING COUNTERTOP WITH BACKSPLASH, OPEN KNEESPACE BELOW w/ CONCEALED SUPPORT BRACKETS. REFER TO DETAIL ON A7.06.
2 ELECTRIC KILN, BASIS OF DESIGN IS AMACO EX-399SF. REFER TO MECHANICAL DRAWINGS FOR HOOD INFORMATION.
3 CUBICLE CURTAINS/TRACKS
4 SINGLE TIER METAL LOCKER WITH SLOPED TOP & CONCRETE BASE.
5 VENDING MACHINE, BY OTHERS
6 DISPLAY CASE, SEE A1 SERIES PLANS 1
7 PROJECTION SCREEN, SUSPENDED FROM STRUCTURE WITH BOTTOM OF HEADBOX AT 15'-6" ABOVE STAGE. 16ft" DIAGONAL MEASUREMENT, 16:10 ASPECT RATIO. INCUDE 40" DROP TO CLEAR STAGE CURTAIN VALANCE.
8 WASHER & DRYER, PROVIDED BY OWNER
9 OPERABLE WALL (OP-1) w/ MARKERBOARD SURFACE ON BOTH SIDES.
10 ELECTRIC RANGE, BY OWNER
11 ~~REFRIGERATOR w/ ICE MACHINE, BY OWNER~~
12 VENTILATION HOOD. BASIS OF DESIGN IS BROAN 42000 SERIES, STAINLESS STEEL FINISH. REFER TO MECHANICAL DRAWINGS FOR DUCTWORK CONNECTION INFORMATION. 2
13 ICE MAKER, BY OWNER
14 UNDER-COUNTER REFRIGERATOR, BY OWNER
15 TV MONITOR, BY OWNER
16 ACCORDIAN FOLDING PARTITION, REFER TO A1 SERIES
17 SOLID SURFACE LAV ASSEMBLY WITH INTEGRAL SINKS. REFER TO DETAILS 1&2/A7.07.
18 SOLID SURFACE LAV ASSEMBLY WITH INTEGRAL SINKS. REFER TO DETAILS 3&4/A7.07.
19 WOOD BENCH, REFER TO DETAIL 11/A7.07.
20 OPERABLE WALL (OP-2)
21 BOX OUT FILLER FROM TOP OF CABINET TO BOTTOM OF BULKHEAD ABOVE. REFER TO ELEVATIONS AND DETAIL 14/A7.07.
22 SOLID SURFACE WALL CAP, SSM-3

VERIFICATION NOTE

CONTRACTOR 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.

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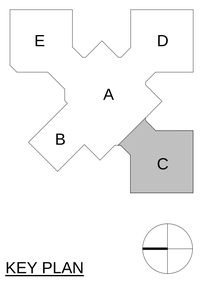

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CRT
DRAWN BY: AML
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	6-19-20
2	ADDENDUM #2	6-29-20

UNIT C - FIRST FLOOR EQUIPMENT PLAN

A7.03

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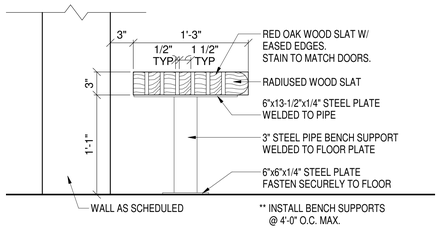

11 WOOD BENCH DETAIL

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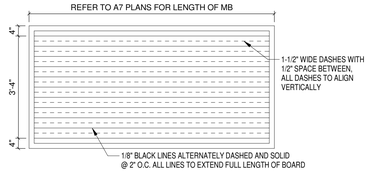

12 MB-XDL DETAIL - DASHED WRITING LINES

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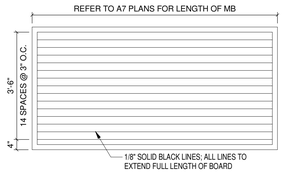

13 MB-XL DETAIL - SOLID WRITING LINES

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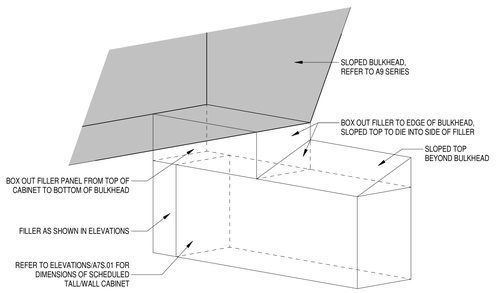

14 BULKHEAD FILLER DETAIL

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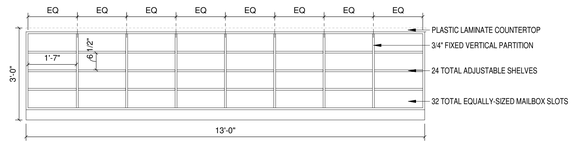

6 FB-2 ART STORAGE DETAIL

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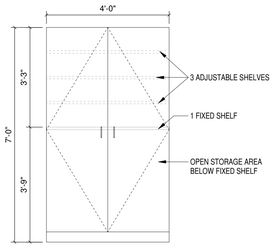

7 INSTRUMENT CABINET DETAIL

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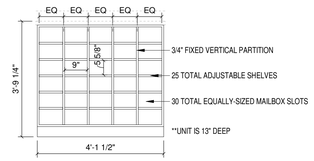

8 BO-13 CLASSROOM MAILBOX DETAIL

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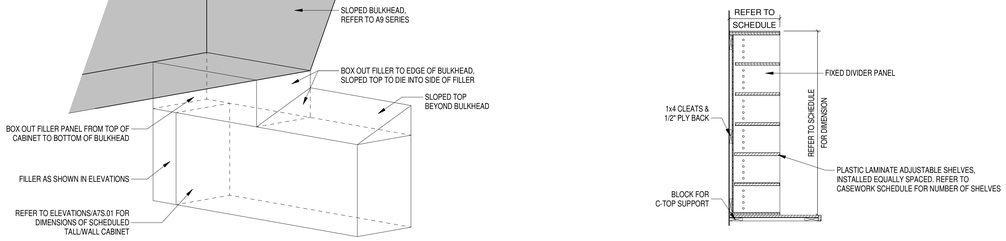

9 MAILBOX CABINET DETAIL

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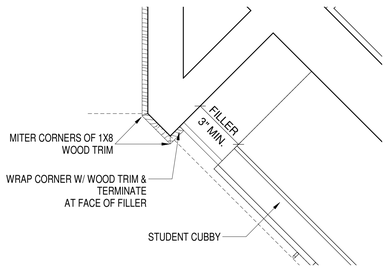

10 CORNER WOOD TRIM DETAIL

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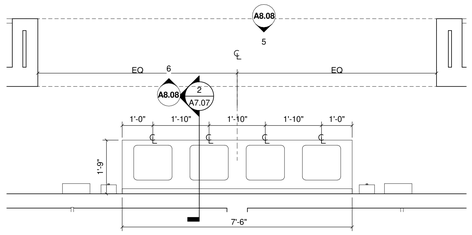

1 STUDENT RR LAV COUNTER

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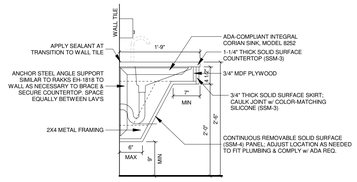

2 STUDENT RR LAV DETAIL

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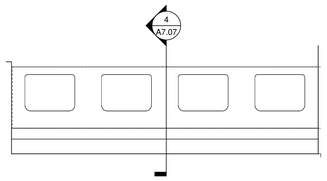

3 GROUP RR DETAIL

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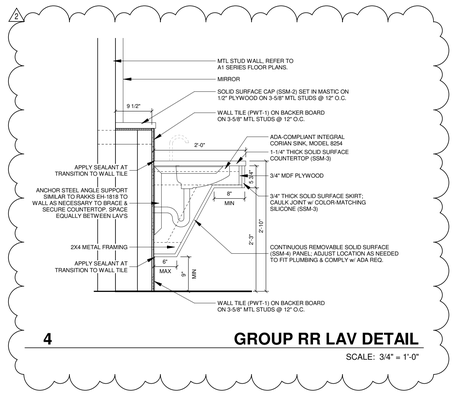

4 GROUP RR LAV DETAIL

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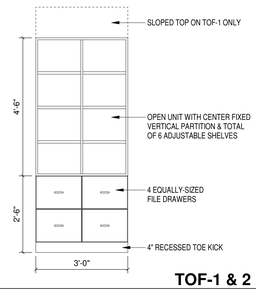

5 TOF-1 & 2 DETAIL

SCALE: 1/2" = 1'-0"

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ARCHITECT

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CONSTRUCTION DOCUMENTS

CHARLES ROBERT TILLEY REGISTERED No. 4438 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: CRT
DRAWN BY: AML
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6-29-20

EQUIPMENT DETAILS

A7.07

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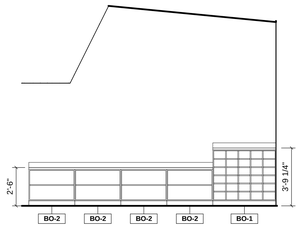
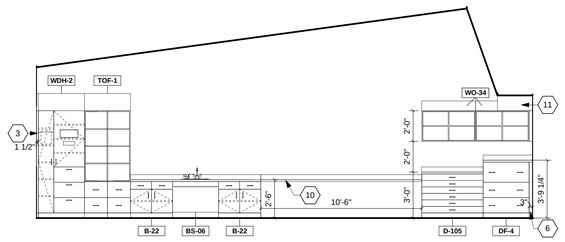


15 C103 CASEWORK - NORTHWEST
SCALE: 1/4" = 1'-0"



16 C103 CASEWORK - SOUTH
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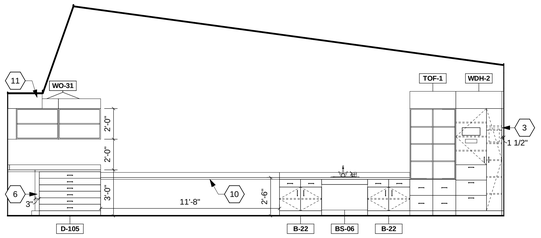

17 C104 CASEWORK - NORTH
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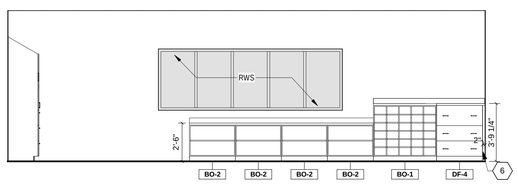

18 TYPICAL EXTERIOR WALL CASEWORK
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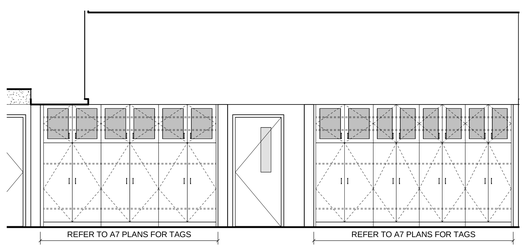

19 TYPICAL STUDENT CUBBIES
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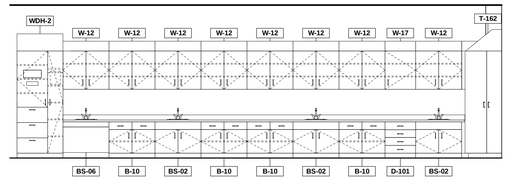

8 A130 CASEWORK - C
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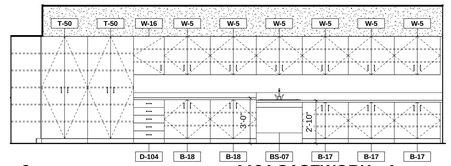

9 A134 CASEWORK - A
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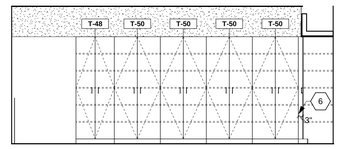

10 A134 CASEWORK - B
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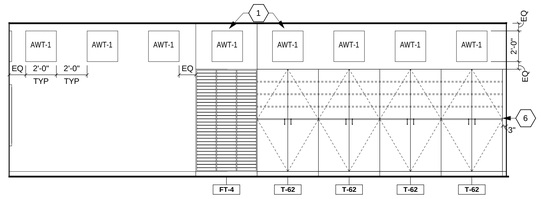

11 A136 CASEWORK - SW
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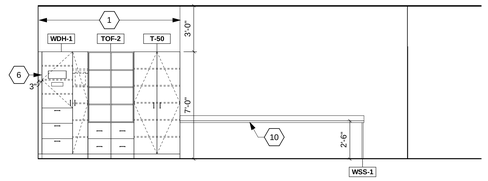

12 A137 CASEWORK - A
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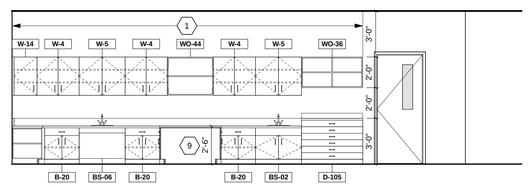

13 A137 CASEWORK - B
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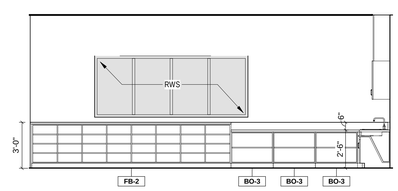

14 A137 CASEWORK - C
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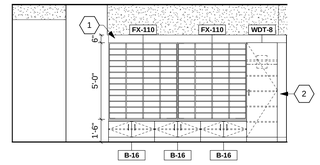

1 A115 WORKROOM - EAST
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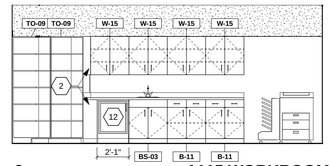

2 A115 WORKROOM - WEST
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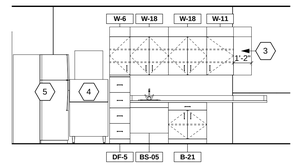

3 A116 CASEWORK
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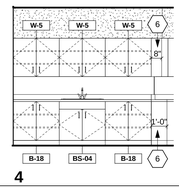

4 A126 CASEWORK - A
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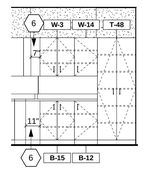

5 A126 CASEWORK - B
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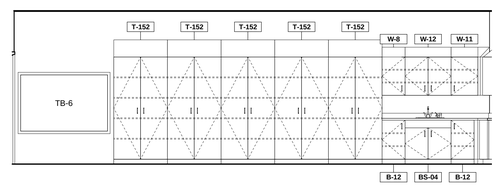

6 A130 CASEWORK - A
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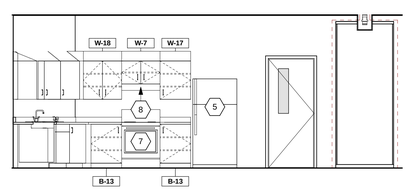


7 A130 CASEWORK - B
SCALE: 1/4" = 1'-0"

EQUIPMENT ELEVATION NOTES

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

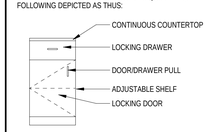
1. FILLER PANEL FROM TOP OF CABINET TO BULKHEAD/CEILING ABOVE. RETURN TO WALL AT EXPOSED ENDS.
2. ANGLED FILLER PANEL TO WALL. WIDTH AS DIMENSIONED ON A7 SERIES PLAN
3. FILLER PANEL WITH SLOPED TOP TO WALL, WIDTH AS DIMENSIONED ON ELEVATION
4. ICEMAKER, BY OWNER
5. REFRIGERATOR, BY OWNER
6. FILLER PANEL, WIDTH AS DIMENSIONED ON ELEVATION
7. ELECTRIC RANGE, BY OWNER
8. VENTILATION HOOD. BASIS OF DESIGN IS BROAN 42000 SERIES. STAINLESS STEEL FINISH. REFER TO MECHANICAL DRAWINGS FOR DUCTWORK CONNECTION INFORMATION. 2
9. FINISHED END PANEL TO COVER SEAM OF BACK TO BACK CABIENTS
10. CHARGIND COUNTERTOP, SEE DETAIL ON A7.06
11. BOX OUT FILLER PANEL TO BULKHEAD ABOVE, SEE DETAIL 14/A7.07.
12. UNDERCOUNTER REFRIGERATOR, BY OWNER

CASEWORK LEGEND

XX-XXX ← CABINET TYPE (REF. TO CASEWORK SCHEDULE)

CABINET GRAPHIC DESIGNATION

FOR EACH CABINET SHOWN, PROVIDE A QUANTITY OF THE FOLLOWING DEPICTED AS THUS:



VERIFICATION NOTE

CONTRACTOR 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.

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ARCHITECT

FANNING HOWEY

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CONSTRUCTION DOCUMENTS

CHARLES ROBERT TYLER REGISTERED No. 4438 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: CRT
DRAWN BY: AML
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6-29-20

CASEWORK ELEVATIONS

A7.08

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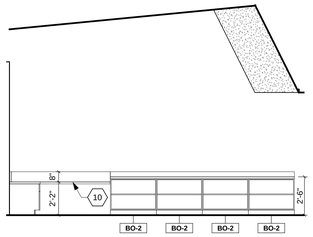
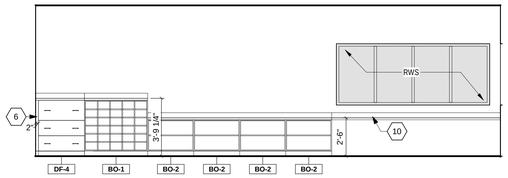


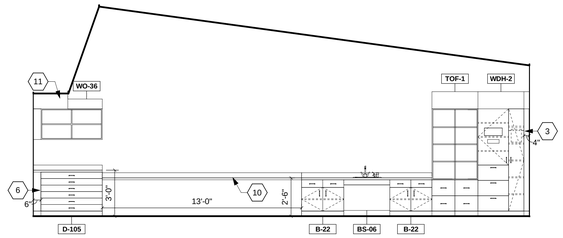
13 **E106 CASEWORK - A**

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



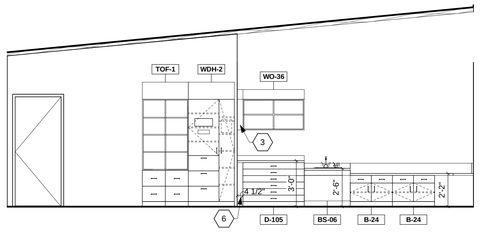
7 **C113 CASEWORK - WEST**

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



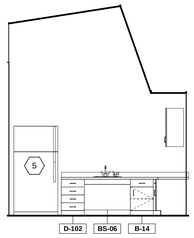
1 **C107 CASEWORK - EAST**

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



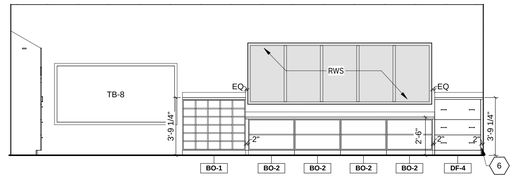
14 **E106 CASEWORK - B**

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



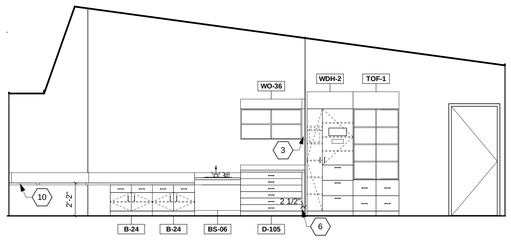
8 **C116 CASEWORK - A**

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



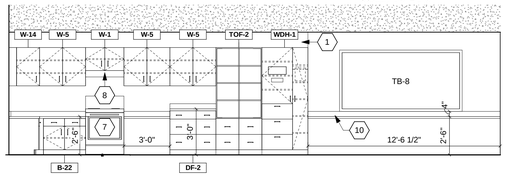
2 **C107 CASEWORK - SOUTH**

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



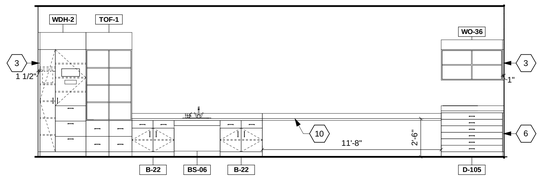
15 **E107 CASEWORK - EAST**

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



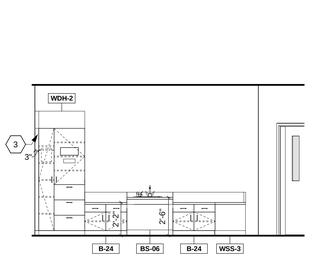
9 **C116 CASEWORK - B**

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



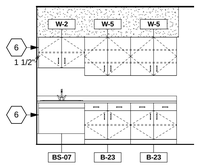
3 **C110 CASEWORK - EAST**

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



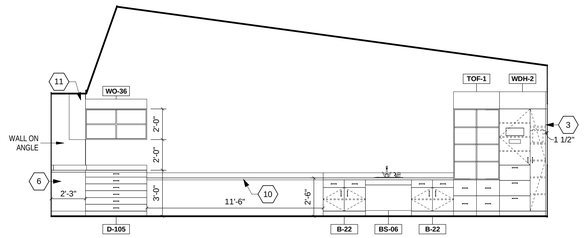
16 **E110 CASEWORK - WEST**

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



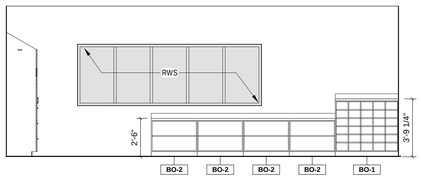
10 **A123 CONFERENCE CASEWORK**

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



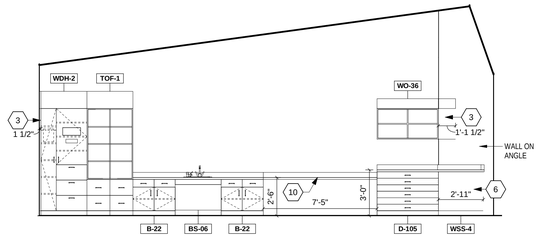
4 **C111 CASEWORK - SOUTH**

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



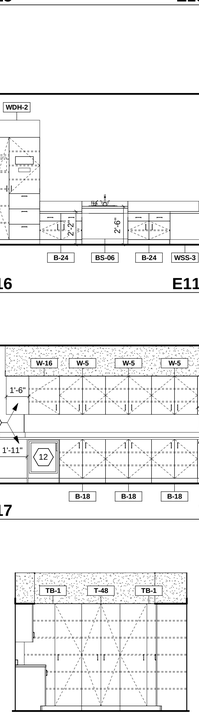
11 **E103 CASEWORK - A**

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



5 **C112 CASEWORK - NORTH**

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

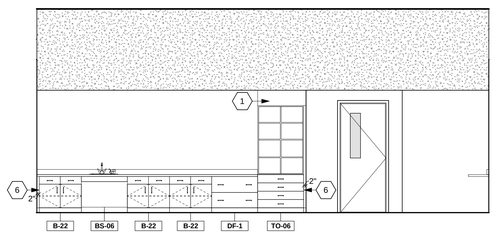


17 **WORKROOM C129 - A**

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

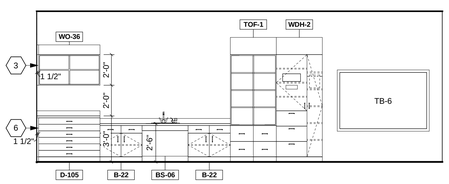
18 **WORKROOM C129 - B**

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



12 **E103 CASEWORK - B**

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



6 **C113 CASEWORK - EAST**

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

EQUIPMENT ELEVATION NOTES

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1. FILLER PANEL FROM TOP OF CABINET TO BULKHEAD/CEILING ABOVE. RETURN TO WALL AT EXPOSED ENDS.
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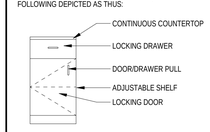
9. FINISHED END PANEL TO COVER SEAM OF BACK TO BACK CABENTS
10. CHARGIND COUNTERTOP, SEE DETAIL ON A7.06
11. BOX OUT FILLER PANEL TO BULKHEAD ABOVE, SEE DETAIL 14/A7.07.
12. UNDERCOUNTER REFRIGERATOR, BY OWNER

CASEWORK LEGEND

XX-XXX ← CABINET TYPE (REF. TO CASEWORK SCHEDULE)

CABINET GRAPHIC DESIGNATION

FOR EACH CABINET SHOWN, PROVIDE A QUANTITY OF THE FOLLOWING DEPICTED AS THUS:



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ARCHITECT

FANNING HOWEY

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CONSTRUCTION DOCUMENTS

CHARLES ROBERT TILLEY REGISTERED No. 4438 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: CRT
DRAWN BY: AML
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6-29-20

CASEWORK ELEVATIONS

A7.09

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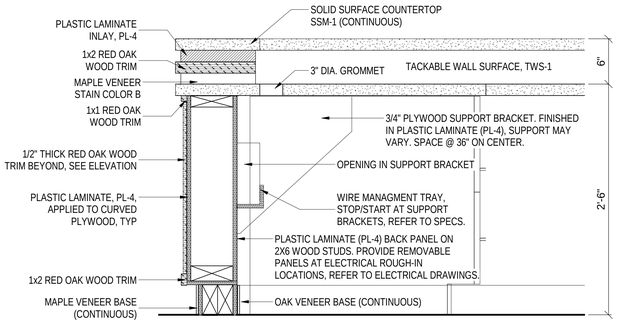
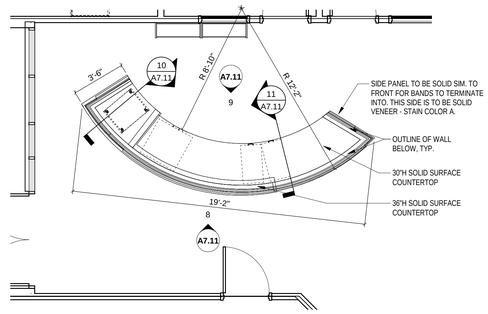


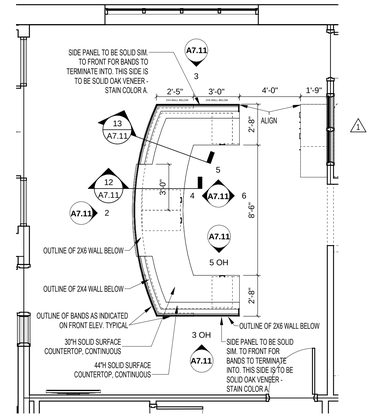
11 CIRC DESK - SECTION B

SCALE: 1 1/2" = 1'-0"



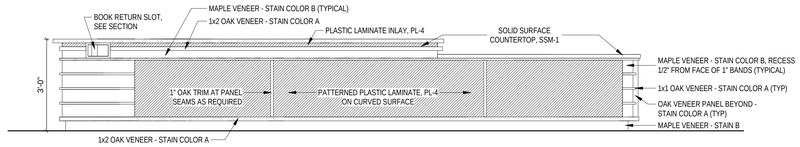
7 ENLARGED CIRCULATION DESK

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



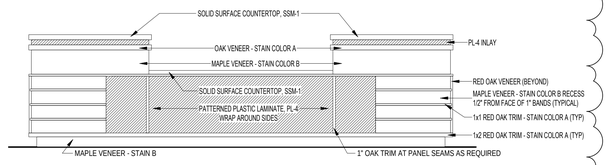
1 ENLARGED RECEPTION DESK

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



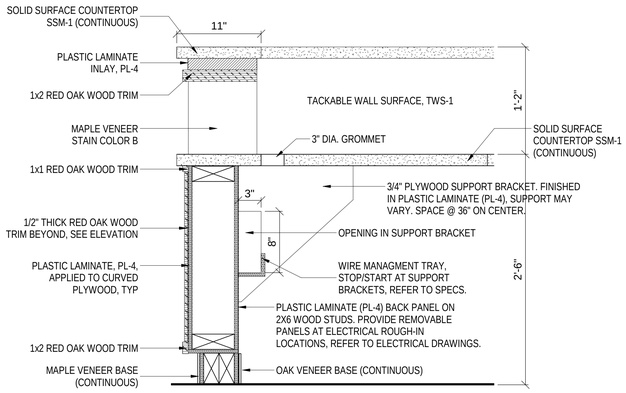
8 CIRC DESK - FRONT

SCALE: 1/2" = 1'-0"



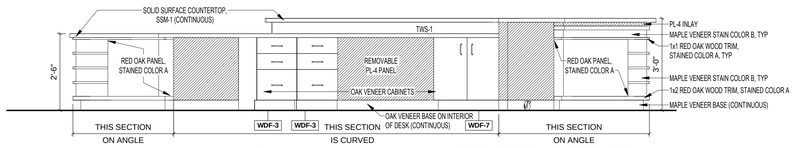
2 RECEPTION DESK - FRONT

SCALE: 1/2" = 1'-0"



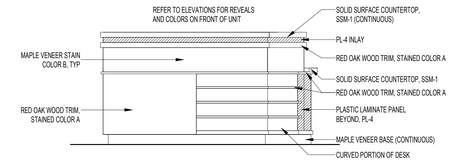
12 RECEPTION DESK - SECTION A

SCALE: 1 1/2" = 1'-0"



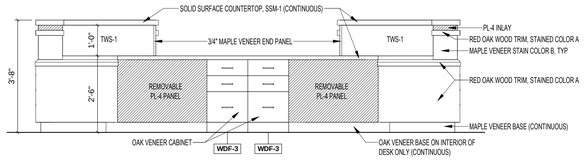
9 CIRC DESK - INTERIOR

SCALE: 1/2" = 1'-0"



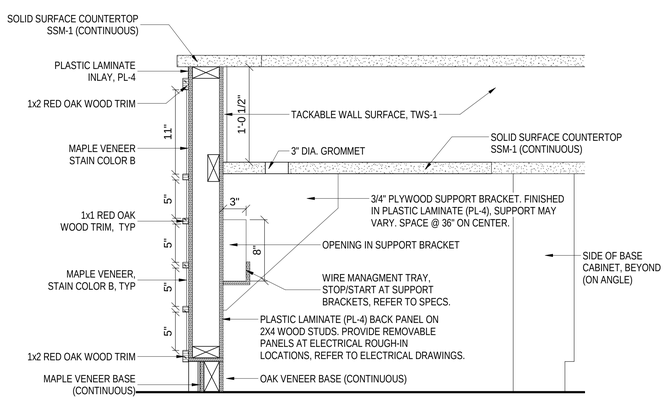
3 RECEPTION DESK - END

SCALE: 1/2" = 1'-0"



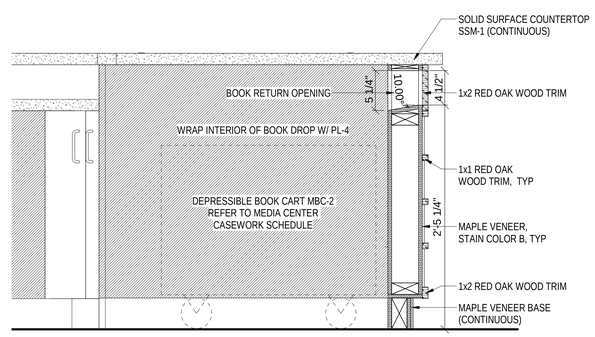
4 RECEPTION DESK - INTERIOR

SCALE: 1/2" = 1'-0"



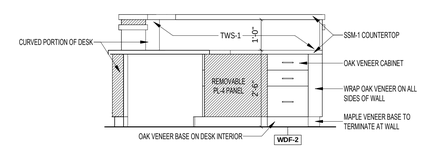
13 RECEPTION DESK - SECTION B

SCALE: 1 1/2" = 1'-0"



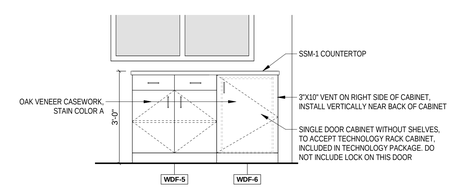
10 CIRC DESK - SECTION A

SCALE: 1 1/2" = 1'-0"



5 RECEPTION DESK - INTERIOR SIDE

SCALE: 1/2" = 1'-0"



6 RECEPTION CREDENZA

SCALE: 1/2" = 1'-0"

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ZIONSVILLE, IN 46077

ZIONSVILLE COMMUNITY SCHOOLS

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CONSTRUCTION DOCUMENTS

CHARLES ROBERT TULLER REGISTERED No. 4438 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: CRT
DRAWN BY: AML
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	6-19-20
2	ADDENDUM #2	6-29-20

ENLARGED PLANS

A7.11

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STAGE EQUIPMENT SCHEDULE

ITEM NO.	ITEM DESCRIPTION	ELEC. FIELD CONNECTION
SE-1	**VALANCE** • VALANCE (FIXED) 3" DISTANCE FROM STAGE OPENING. • 30'-0" X VARIES (BOT. @ 12'-6"ABOVE STAGE)	
SE-2	**FRONT CURTAIN** • FRONT CURTAIN (TRAVELER) STANDARD CENTER OVERLAP 1'-3" DISTANCE FROM STAGE OPENING • (2) 16'-0" X15'-6" CURTAINS	
SE-3	**CURTAIN BORDER** • BORDER CURTAIN (FIXED) VARIES IN DISTANCE FROM STAGE OPENING • 28"-0" x 3'-0" CURTAIN, MOUNT WITH BOTTOM @ 12'-6" ABOVE STAGE FLOOR (1)	
SE-4	**MIDDLE CURTAIN** • MIDDLE BORDER CURTAIN (FIXED) FINISHED BOTH SIDES • 28"-0" x 3'-0" CURTAIN, MOUNT WITH BOTTOM @ 12'-6" ABOVE STAGE FLOOR (1)	
SE-5	**SIDE CURTAIN** • SIDE CURTAIN (TRAVELER) • (4) 10'-0" X 16'-0" CURTAINS	
SE-6	**FRONT CURTAIN** • FRONT CURTAIN (TRAVELER) STANDARD CENTER OVERLAP 2'-0" DISTANCE FROM STAGE OPENING • (2) 16'-0" X15'-6" CURTAINS	
SE-7	**VALANCE** • VALANCE (FIXED) 1'-6" DISTANCE FROM STAGE OPENING • 29'-0" X 3'-0" (BOT. @ 12'-6" ABOVE STAGE)	

PE EQUIPMENT SCHEDULE

ITEM NO.	ITEM DESCRIPTION	ELEC. FIELD CONNECTION
PE-1	**SIDE FOLDING BASKETBALL GOAL** BASIS OF DESIGN: PORTER; 90955-000, 712, 10797-100, 00208-000, 236154, 00326-000, 00900-506 (2) • SIDE FOLDING, SIDE BRACED BASKETBALL BACKSTOP UNIT. INCLUDE ALL NECESSARY FITTINGS, PIPE BEAMS, ELECTRIC WINCH, CABLES, PULLEY, MOUNTING HARDWARE, & CONTROLLER AS REQUIRED FOR COMPLETE INSTALLATION. HEIGHT AS REQUIRED TO ACCOMMODATE STRUCTURE. • INCLUDE "SAF-STRAP" BASKETBALL BACKSTRAP SAFETY LOCK. • 72"W x 42"H RECTANGULAR GLASS BACKBOARD WITH FRAME; ONE SAFETY BOLT ON CUSHION EDGE/PAD; ONE FRONT MOUNT, POWR-FLEX GOAL, AND ONE NYLON ANTI-WHIP NET. • BACKBOARD SHALL BE EQUIPPED WITH HEIGHT ADJUSTMENT FROM 8' TO 10' WITH DIRECT GOAL ATTACHMENT & HEIGHT LOCK FEATURE. • REFER TO EQUIPMENT PLAN FOR DIRECTION OF FOLD.	3/4 HP (10.2 AMP) (2)
PE-2	**FRONT-FOLDING BASKETBALL GOAL** BASIS OF DESIGN: PORTER; 90950-000, 712, 00208-000, 236154, 00326-000, 00900-506 (2) • CEILING-SUSPENDED, FRONT BRACED, FRONT FOLDING "CENTER STRUT" BASKETBALL BACKSTOP UNIT WITH ALL NECESSARY FITTINGS, PIPE BEAMS, 3/4HP ELECTRIC WINCH, CABLES, PULLEYS, MOUNTING HARDWARE, FOR COMPLETE INSTALLATION. PROVIDE FLAT BLACK PAINTED SUPPORT STRUCTURE AND PIPES. (2) • 72"Wx42"H RECTANGULAR GLASS BACKBOARD WITH STEEL FRAME; ONE FRONT MOUNT POWERFLEX GOAL WITH NET AND ONE "PRO PAD" BOLT ON PADDING KIT. • CENTER STRUT HEIGHT ADJUSTMENT UNIT FOR RECTANGULAR BACKBOARDS AND DIRECT MOUNT GOAL ATTACHMENT SYSTEM.	3/4 HP (10.2 AMP) (2)
PE-3	**VOLLEYBALL STANDARDS** BASIS OF DESIGN: PORTER; 01951-000, 00839-000 (2) • "POWR-TRAK" UNIVERSAL PORTABLE VOLLEYBALL STANDARDS, PAIR. UPRIGHTS SHALL BE 3/12" DIAMETER ALUMINUM WITH INTERNAL REINFORCING RIBS. POSTS SHALL BE FITTED WITH SPECIAL, INFINTELY ADJUSTABLE PULLEY AND TIE-OFF FITTINGS TO PROVIDE MULTIPLE NET HEIGHT SETTINGS. THE ADJUSTABLE HEIGHT TENSIONING WINCH SHALL BE OF A RATCHET TYPE TO HOLD NET TENSION WITH A HIGH TENSILE NYLON STRAP AND NET ATTACHMENT HARDWARE. PROVIDE PAIR OF UPRIGHT PROTECTION PADS.	
PE-4	**VOLLEYBALL NET** BASIS OF DESIGN: PORTER; 2295-NET, 02296-000, 02297-000 (2) • VOLLEYBALL NET (+/- 32'L X 39"W, SIZE FOR 36'-0" O.C. UPRIGHTS) WITH BLACK NYLON MESH MEASURING 4"X4" SQUARE WITH "QUIK-LINE" SPRING-LOADED PRESSURE TYPE LOCKING LINE FASTENER. INCLUDE PAIR OF VOLLEYBALL ANTENNAE WITH MECHANICAL CLAMP ATTACHEMENT AND PAIR OF NET BOUNDARY MARKERS.	
PE-5	**VOLLEYBALL JUDGE'S STAND** BASIS OF DESIGN: PORTER; 00889-100, 00993-100 (2) • JUDGE'S PLATFORM TO CONNECT TO VOLLEYBALL STANDARDS. PLATFORM SHALL BE STEEL TUBE WITH LADDER RUNGS AND NON-MARKING RUBBER PADS. PLATFORM SHALL BE 3/4" LAMINATE WITH A HARDWOOD-REINFORCED UNDERSTRUCTURE. INCLUDE SET OF JUDGE'S PLATFORM PROTECTIVE PADS.	
PE-6	**VOLLEYBALL FLOOR SLEEVE** BASIS OF DESIGN: PORTER; 00870-000 (2) • 3-1/2" DIAMETER FLOOR SLEEVE WITH CHROME COVER	
PE-7	**VOLLEYBALL STANDARDS - CENTER** BASIS OF DESIGN: PORTER; 01952-000, 00839-100 (2) • "POWR-TRAK" UNIVERSAL CENTER VOLLEYBALL STANDARD UPRIGHT. UPRIGHTS SHALL BE 3/12" DIAMETER ALUMINUM WITH INTERNAL REINFORCING RIBS. POSTS SHALL BE FITTED WITH SPECIAL, INFINTELY ADJUSTABLE PULLEY AND TIE-OFF FITTINGS TO PROVIDE MULTIPLE NET HEIGHT SETTINGS. THE ADJUSTABLE HEIGHT TENSIONING WINCH SHALL BE OF A RATCHET TYPE TO HOLD NET TENSION WITH A HIGH TENSILE NYLON STRAP AND NET ATTACHMENT HARDWARE. PROVIDE PAIR OF UPRIGHT PROTECTION PADS.	
PE-8	**WALL PADDING** BASIS OF DESIGN: PORTER, 5600-XX (2) • 2'W x 72"H x 2" THICK WALL WAINSCOT PADDING. COLOR TO BE SELECTED FROM STANDARD COLORS. PROVIDE ALL NECESSARY MOUNTING HARDWARE, CUTTING AND FORMING AROUND ANY OBSTRUCTIONS.	
PE-9	**VOLLEYBALL WALL STORAGE RACK** BASIS OF DESIGN: PORTER; 00825-000 (2) • WALL STORAGE RACK FOR PAIR OF 3-1/2" DIAMETER VOLLEYBALL UPRIGHTS. PROVIDE ALL NECESSARY MOUNTING HARDWARE TO MOUNT TO WALL.	

(1)

CASEWORK SCHEDULE - PLAM

TYPE	NO.	SIZE W	SIZE D	SIZE H	DESCRIPTION
B	10	3'-0"	2'-0"	2'-6"	BASE UNIT WITH TWO DRAWERS, ONE ADJUSTABLE SHELF AND TWO HINGED DOORS.
B	11	2'-6"	2'-0"	3'-0"	BASE UNIT WITH TWO DRAWERS, ONE ADJUSTABLE SHELF AND TWO HINGED DOORS.
B	12	1'-6"	2'-0"	3'-0"	BASE UNIT WITH TWO ADJUSTABLE SHELVES AND ONE HINGED DOOR.
B	13	2'-0"	2'-0"	3'-0"	BASE UNIT WITH TWO ADJUSTABLE SHELVES AND ONE HINGED DOOR.
B	14	1'-6"	2'-0"	2'-6"	BASE UNIT WITH ONE DRAWER, ONE ADJUSTABLE SHELF AND ONE HINGED DOOR.
B	15	2'-3"	2'-0"	3'-0"	BASE UNIT WITH TWO ADJUSTABLE SHELVES AND TWO HINGED DOORS.
B	16	3'-0"	2'-0"	1'-6"	BASE UNIT WITH ONE ADJUSTABLE SHELF AND TWO HINGED DOORS.
B	17	3'-0"	2'-0"	2'-10"	BASE UNIT WITH TWO ADJUSTABLE SHELVES AND TWO HINGED DOORS.
B	18	3'-0"	2'-0"	3'-0"	BASE UNIT WITH TWO ADJUSTABLE SHELVES AND TWO HINGED DOORS.
B	19	2'-3"	2'-0"	3'-0"	BASE UNIT WITH ONE DRAWER, ONE ADJUSTABLE SHELF AND TWO HINGED DOORS.
B	20	2'-3"	2'-0"	2'-6"	BASE UNIT WITH ONE DRAWER, ONE ADJUSTABLE SHELF AND TWO HINGED DOORS.
B	21	2'-6"	2'-0"	2'-10"	BASE UNIT WITH ONE DRAWER, ONE ADJUSTABLE SHELF AND TWO HINGED DOORS.
B	22	2'-9"	2'-0"	2'-6"	BASE UNIT WITH TWO DRAWERS, ONE ADJUSTABLE SHELF AND TWO HINGED DOORS.
B	23	3'-0"	2'-0"	2'-10"	BASE UNIT WITH TWO DRAWERS, ONE ADJUSTABLE SHELF AND TWO HINGED DOORS.
B	24	2'-9"	2'-0"	2'-2"	BASE UNIT WITH TWO DRAWERS, ONE ADJUSTABLE SHELF AND TWO HINGED DOORS.
B	25	3'-0"	2'-0"	3'-0"	BASE UNIT WITH TWO DRAWERS, ONE ADJUSTABLE SHELF AND TWO HINGED DOORS.
B	26	2'-6"	2'-0"	2'-10"	BASE UNIT WITH TWO DRAWERS, ONE ADJUSTABLE SHELF AND TWO HINGED DOORS.
B	27	4'-0"	2'-0"	2'-2"	BASE UNIT WITH TWO DRAWERS, ONE VERTICAL DIVIDER, TWO ADJUSTABLE SHELVES AND TWO HINGED DOORS.
BO	1	4'-1 1/2"	1'-1"	3'-9 1/4"	OPEN BASE UNIT WITH ONE VERTICAL DIVIDER AND TWO ADJUSTABLE SHELVES.
BO	2	3'-0"	1'-1"	2'-6"	OPEN BASE UNIT WITH ONE ADJUSTABLE SHELF.
BO	3	2'-9"	2'-0"	2'-6"	OPEN BASE UNIT WITH ONE ADJUSTABLE SHELF.
BS	01	3'-0"	2'-0"	2'-2"	SINK BASE UNIT WITH TWO HINGED DOORS AND ONE BLANK DRAWER PANEL.
BS	02	3'-0"	2'-0"	2'-6"	SINK BASE UNIT WITH TWO HINGED DOORS AND ONE BLANK DRAWER PANEL.
BS	03	2'-6"	2'-0"	3'-0"	SINK BASE UNIT WITH TWO HINGED DOORS AND ONE BLANK DRAWER PANEL.
BS	04	3'-0"	2'-0"	3'-0"	SINK BASE UNIT WITH TWO HINGED DOORS AND ONE BLANK DRAWER PANEL.
BS	05	2'-6"	2'-0"	2'-0"	ADULT ADA SINK BASE UNIT WITH A REMOVABLE ACCESS PANEL.
BS	06	3'-0"	2'-0"	2'-0"	CHILD ADA SINK BASE UNIT WITH A REMOVABLE ACCESS PANEL.
BS	07	3'-0"	2'-0"	2'-0"	ADULT ADA SINK BASE UNIT WITH A REMOVABLE ACCESS PANEL.
D	101	2'-0"	2'-0"	2'-6"	DRAWER UNIT WITH FOUR EQUAL DRAWERS. 3-1/2 INCHES DEEP INSIDE.
D	102	1'-6"	2'-0"	2'-6"	DRAWER UNIT WITH FOUR EQUAL DRAWERS. 4-1/2 INCHES DEEP INSIDE.
D	103	4'-0"	2'-11"	3'-0"	DRAWER UNIT WITH FOUR EQUAL DRAWERS. 5 INCHES DEEP INSIDE.
D	104	2'-0"	2'-0"	3'-0"	DRAWER UNIT WITH FIVE EQUAL DRAWERS. 3-1/4 INCHES DEEP INSIDE.
D	105	4'-0"	2'-11"	3'-0"	DRAWER UNIT WITH SIX EQUAL DRAWERS. 2-1/2 INCHES DEEP INSIDE.
D	106	1'-6"	2'-0"	3'-0"	DRAWER UNIT WITH ONE STANDARD DRAWER AND FOUR EQUAL DRAWERS. (3-5/16 INCHES DEEP INSIDE).
DF	1	3'-0"	2'-0"	2'-6"	LATERAL FILE DRAWER UNIT WITH FOLLOWERS, TWO EQUAL DRAWERS (INSIDE SIDES TO BE 9-3/4 INCHES HIGH), AND HANGER CHANNEL INTEGRAL WITH DRAWER SIDES FOR BOTH LEGAL AND LETTER FILING.
DF	2	3'-0"	2'-0"	3'-0"	LATERAL FILE DRAWER UNIT WITH FOLLOWERS, TWO EQUAL DRAWERS (INSIDE SIDES TO BE 9-3/4 INCHES HIGH), HANGER CHANNEL INTEGRAL WITH DRAWER SIDES FOR BOTH LEGAL AND LETTER FILING, AND ONE TOP DRAWER.
DF	3	1'-4"	2'-6"	2'-6"	FILE DRAWER UNIT WITH FOLLOWERS, TWO EQUAL DRAWERS (INSIDE SIDES TO BE 9-3/4 INCHES HIGH), AND HANGER CHANNEL INTEGRAL WITH DRAWER SIDES FOR BOTH LEGAL AND LETTER FILING.
DF	4	3'-0"	2'-0"	3'-9 1/4"	LATERAL FILE DRAWER UNIT WITH FOLLOWERS, TWO EQUAL DRAWERS (INSIDE SIDES TO BE 9-3/4 INCHES HIGH), HANGER CHANNEL INTEGRAL WITH DRAWER SIDES FOR BOTH LEGAL AND LETTER FILING, AND ONE TOP DRAWER.
DF	5	1'-4"	2'-0"	4'-6"	FILE DRAWER UNIT WITH FOLLOWERS, FOUR EQUAL DRAWERS (INSIDE SIDES TO BE 9-3/4 INCHES HIGH), AND HANGER CHANNEL INTEGRAL WITH DRAWER SIDES FOR BOTH LEGAL AND LETTER FILING.
FB	2	3'-0"	1'-6"	3'-0"	OPEN CUBBY UNIT WITH FIXED VERTICAL PARTITIONS AND ADJUSTABLE SHELVES. SEE DETAIL ON 6/A7.07.
FT	4	4'-0"	1'-6"	7'-0"	OPEN FOLIO CABINET WITH 93 COMPARTMENTS. FIXED VERTICAL AND HORIZONTAL PARTITIONS.
FX	110	4'-6"	1'-2"	5'-0"	OPEN MAILBOX CABINET WITH FIXED VERTICAL PARTITIONS AND ADJUSTABLE SHELVES. SEE DETAIL 9/A7.07.
T	16	4'-0"	2'-0"	7'-0"	TALL UNIT WITH FIVE ADJUSTABLE WIRE SHELVES AND TWO HINGED DOORS WITH WIRE MESH OPENINGS. INCLUDE SLOPED TOP.
T	48	2'-6"	2'-0"	7'-0"	TALL UNIT WITH FIVE ADJUSTABLE SHELVES AND TWO HINGED DOORS.
T	50	3'-0"	2'-0"	7'-0"	TALL UNIT WITH FIVE ADJUSTABLE SHELVES AND TWO HINGED DOORS. INCLUDE SLOPED TOP.
T	55	3'-3"	2'-0"	7'-0"	TALL UNIT WITH FIVE ADJUSTABLE SHELVES AND TWO HINGED DOORS.
T	58	3'-0"	2'-6"	7'-0"	TALL UNIT WITH FIVE ADJUSTABLE SHELVES AND TWO HINGED DOORS.
T	62	4'-0"	2'-6"	7'-0"	TALL UNIT WITH FIVE ADJUSTABLE SHELVES AND TWO HINGED DOORS.
T	152	3'-6"	2'-0"	7'-0"	TALL UNIT WITH FOUR ADJUSTABLE SHELVES AND TWO HINGED DOORS AND SLOPED TOP.
T	162	4'-0"	2'-6"	7'-0"	TALL UNIT WITH FOUR ADJUSTABLE SHELVES AND TWO HINGED DOORS AND SLOPED TOP.
TB	1	3'-9"	2'-0"	7'-0"	TALL UNIT WITH FIVE ADJUSTABLE SHELVES, ONE HINGED DOOR AND ONE BLANK PANEL.
TC	1	4'-0"	2'-0"	3'-0"	TALL CUBBY STORAGE UNIT WITH ORGANIZATIONAL SHELVING AND HOOKS. TACKABLE SURFACE ON UPPER DOORS. SEE DETAIL ON A7.06.
TC	2	4'-0"	2'-0"	3'-0"	TALL CUBBY STORAGE UNIT WITH ORGANIZATIONAL SHELVING AND HOOKS. TACKABLE SURFACE ON UPPER DOORS. SEE DETAIL ON A7.06.
TC	3	4'-0"	2'-0"	3'-0"	TALL CUBBY STORAGE UNIT WITH ORGANIZATIONAL SHELVING AND HOOKS. TACKABLE SURFACE ON UPPER DOORS. SEE DETAIL ON A7.06.
TO	05	3'-0"	1'-11"	7'-0"	OPEN TALL UNIT WITH FIVE ADJUSTABLE SHELVES AND SLOPED TOP.
TO	06	3'-0"	2'-6"	2'-6"	LOWER DRAWER UNIT WITH FOUR EQUAL DRAWERS. 3-1/2 INCHES DEEP INSIDE. INCLUDE FINISHED TOP PANEL TO BASE CABINET. OPEN CABINET UPPER WITH FIXED VERTICAL CENTER PARTITION AND TOTAL OF 6 ADJUSTABLE SHELVES.
TO	07	3'-0"	1'-11"	7'-0"	OPEN TALL UNIT WITH FIVE ADJUSTABLE SHELVES AND SLOPED TOP.
TO	08	3'-0"	1'-1"	7'-0"	OPEN TALL UNIT WITH FIVE ADJUSTABLE SHELVES.
TO	09	3'-0"	1'-2"	7'-0"	OPEN TALL UNIT WITH FIVE ADJUSTABLE SHELVES.
TOF	1	4'-0"	2'-0"	3'-0"	OPEN CABINET UPPER WITH FIXED VERTICAL PARTITION IN CENTER AND 3 ADJUSTABLE SHELVES ON EITHER SIDE. LOWER PART TO HAVE 2 FILE/FILE DRAWERS. CABINET HAS SLOPED TOP. REFER TO DETAIL 5/A7.07.
TOF	2	4'-0"	2'-0"	3'-0"	OPEN CABINET UPPER WITH FIXED VERTICAL PARTITION IN CENTER AND 3 ADJUSTABLE SHELVES ON EITHER SIDE. LOWER PART TO HAVE 2 FILE/FILE DRAWERS. REFER TO DETAIL 5/A7.07.
W	1	2'-6"	1'-2"	1'-6"	WALL UNIT WITH TWO HINGED DOORS.
W	2	3'-0"	1'-2"	2'-0"	WALL UNIT WITH ONE ADJUSTABLE SHELF AND TWO HINGED DOORS
W	3	2'-3"	1'-2"	2'-6"	WALL UNIT WITH ONE ADJUSTABLE SHELF AND TWO HINGED DOORS.
W	4	2'-9"	1'-2"	2'-6"	WALL UNIT WITH ONE ADJUSTABLE SHELF AND TWO HINGED DOORS.
W	5	3'-0"	1'-2"	2'-6"	WALL UNIT WITH ONE ADJUSTABLE SHELF AND TWO HINGED DOORS.
W	6	1'-4"	1'-2"	2'-6"	WALL UNIT WITH ONE ADJUSTABLE SHELF AND ONE HINGED DOOR, AND SLOPED TOP.
W	7	2'-6"	1'-2"	1'-6"	WALL UNIT WITH TWO HINGED DOORS AND SLOPED TOP.
W	8	1'-6"	1'-2"	2'-6"	WALL UNIT WITH ONE ADJUSTABLE SHELF AND ONE HINGED DOOR AND SLOPED TOP.
W	9	3'-0"	1'-2"	2'-0"	WALL UNIT WITH ONE ADJUSTABLE SHELF AND TWO HINGED DOORS, AND SLOPED TOP.
W	10	2'-9"	1'-2"	2'-6"	WALL UNIT WITH ONE ADJUSTABLE SHELF AND TWO HINGED DOORS AND SLOPED TOPS.
W	11	1'-9"	1'-2"	2'-6"	WALL UNIT WITH ONE ADJUSTABLE SHELF AND ONE HINGED DOOR AND SLOPED TOP.
W	12	3'-0"	1'-2"	2'-6"	WALL UNIT WITH ONE ADJUSTABLE SHELF AND TWO HINGED DOORS AND SLOPED TOP.
W	13	2'-3"	1'-2"	1'-4"	WALL UNIT WITH CLOSED DOOR UPPER AND 16" TALL OPEN AREA BELOW. INCLUDE 20" DEEP SHELF FOR MICROWAVE AND CUT OUT IN BACK PANEL OF OPEN AREA FOR OUTLET (VIF). OVERALL HEIGHT TO BE 30". TOP TO BE SLOPED. BASIS OF DESIGN: STEVENS HOME ART CABINET #15149.
W	14	1'-6"	1'-2"	2'-6"	WALL UNIT WITH ONE ADJUSTABLE SHELF AND ONE HINGED DOOR.
W	15	2'-6"	1'-2"	2'-6"	WALL UNIT WITH ONE ADJUSTABLE SHELF AND TWO HINGED DOORS.
W	16	2'-0"	1'-2"	2'-6"	WALL UNIT WITH ONE ADJUSTABLE SHELF AND ONE HINGED DOOR.
W	17	2'-0"	1'-2"	2'-6"	WALL UNIT WITH ONE ADJUSTABLE SHELF AND ONE HINGED DOOR AND SLOPED TOP.
W	18	2'-6"	1'-2"	2'-6"	WALL UNIT WITH ONE ADJUSTABLE SHELF AND TWO HINGED DOORS AND SLOPED TOP.
WDH	1	3'-0"	2'-0"	7'-0"	TALL TEACHER WARDROBE UNIT WITH ONE FIXED SHELF, ROD, THREE ADJUSTABLE SHELVES, 10 INCH X 12 INCH MIRROR, PIN TRAY, TWO FILE DRAWERS, AND TWO HINGED DOORS, WITH GLASS INSERT AND TWO VENTS IN DOOR. CABINET IS LOCKABLE.
WDH	2	3'-0"	2'-0"	7'-0"	TALL TEACHER WARDROBE UNIT WITH ONE FIXED SHELF, ROD, THREE ADJUSTABLE SHELVES, 10 INCH X 12 INCH MIRROR, PIN TRAY, TWO FILE DRAWERS, AND TWO HINGED DOORS, WITH GLASS INSERT AND TWO VENTS IN DOOR. CABINET HAS SLOPED TOP AND IS LOCKABLE.
WDT	8	2'-0"	2'-0"	6'-6"	TALL CABINET WITH COAT HANGING ROD AND 3 ADJUSTABLE SHELVES. INCLUDE MIRROR ON INTERIOR SIDE OF DOOR.
WO	31	2'-9"	1'-2"	2'-0"	OPEN WALL UNIT WITH ONE ADJUSTABLE SHELF AND SLOPED TOP.
WO	34	3'-6"	1'-2"	2'-0"	OPEN WALL UNIT WITH ONE VERTICAL DIVIDER, TWO ADJUSTABLE SHELVES AND SLOPED TOP.
WO	36	4'-0"	1'-2"	2'-0"	OPEN WALL UNIT WITH ONE VERTICAL DIVIDER, TWO ADJUSTABLE SHELVES, AND SLOPED TOP.
WO	44	3'-0"	1'-2"	2'-6"	OPEN WALL UNIT WITH ONE ADJUSTABLE SHELF.
WO	136	4'-0"	1'-2"	2'-0"	OPEN WALL UNIT WITH ONE VERTICAL DIVIDER, TWO ADJUSTABLE SHELVES.
WSS	1	3/4"	1'-3"	2'-6"	WORKSURFACE SUPPORT
WSS	3	2'-9"	3/4"	2'-2"	ANGLED END PANEL
WSS	4	3'-0"	3/4"	3'-0"	FILLER PANEL TO CONCEAL SPACE BETWEEN ADJACENT CABINET AND WALL.

MEDIA CENTER CASEWORK - WOOD

TYPE	NO.	SIZE W	SIZE D	SIZE H	DESCRIPTION
MBC	1	3'-1"	2'-0"	3'-6"	DOUBLE-SIDED MOBILE BOOKCASE WITH 1 ADJUSTABLE SHELF ON EACH SIDE. INCLUDE HANDLES ON TOP FOR EASY MOVEMENT.
MBC	2	3'-0"	1'-10"	3'-0"	DEPRESSIBLE BOOK CART ON 4 CASTERS. BASIS OF DESIGN IS STEVENS CABINET #70502. (2)
MC	2	3'-0"	1'-0"	3'-0"	WOOD BOOKCASE WITH 2 ADJUSTABLE SHELVES.
MC	3	3'-0"	1'-0"	5'-3"	WOOD BOOKCASE WITH 4 ADJUSTABLE SHELVES.

WOOD VENEER CASEWORK

TYPE	NO.	SIZE W	SIZE D	SIZE H	DESCRIPTION
WDF	2	1'-4"	2'-0"	2'-6"	FILE DRAWER UNIT WITH FOLLOWERS, TWO EQUAL DRAWERS (INSIDE SIDES TO BE 9-3/4 INCHES HIGH), AND HANGER CHANNEL INTEGRAL WITH DRAWER SIDES FOR BOTH LEGAL AND LETTER FILING.
WDF	3	1'-4"	2'-6"	2'-6"	FILE DRAWER UNIT WITH FOLLOWERS, TWO EQUAL DRAWERS (INSIDE SIDES TO BE 9-3/4 INCHES HIGH), AND HANGER CHANNEL INTEGRAL WITH DRAWER SIDES FOR BOTH LEGAL AND LETTER FILING.
WDF	5	2'-9"	1'-9"	3'-0"	BASE UNIT WITH TWO DRAWERS, ONE ADJUSTABLE SHELF AND TWO HINGED DOORS.
WDF	6	2'-0"	1'-9"	3'-0"	BASE UNIT WITH ONE HINGED DOOR. DO NOT INCLUDE SHELVES. INCLUDE VENT ON RIGHT SIDE OF CABINET, SIMILAR TO THOSE IN TEACHER WARDROBE CABINET. TECHNOLOGY RACK INSERT TO BE INSTALLED INSIDE CABINET. (2)
WDF	7	2'-6"	2'-6"	2'-6"	BASE UNIT WITH TWO ADJUSTABLE SHELVES AND TWO HINGED DOORS.

LIST OF FINISHES

REFER TO A7 ARCH. DWG. SHEETS

EQUIPMENT MATERIALS

REFER TO A7 ARCH. DWG. SHEETS

ACCORDIAN FOLDING PARTITION

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
	REFER TO SPECIFICATIONS	TO BE SELECTED FROM MFR'S FULL RANGE OF COLORS

CUBICLE CURTAIN

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
CC-1	ARCHITEX / RX 6016 MAHARAM / ROW	TO BE SELECTED TO BE SELECTED

HP PLASTIC LAMINATE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
PL-1	NEVAMAR	DRAGONFLY WZ0062T
PL-2	WILSONART	PEARL SOAPSTONE 4886-38
PL-3	WILSONART/FORMICA/NEVAMAR	STANDARD, TO BE SELECTED
PL-4	WILSONART	BLUE SEW AND SEW Y068-60
PL-5	WILSONART/FORMICA/NEVAMAR	STANDARD, TO BE SELECTED

KICKPLATES

STAINLESS STEEL

LOCKERS

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
	REFER TO SPECIFICATIONS	STANDARD COLOR, TO BE SELECTED

MARKERBOARD

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
MB / MW	REFER TO SPECIFICATIONS	WHITE (2)

OPERABLE PANEL PARTITION

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
OP-1	REFER TO SPECIFICATIONS	TO BE SELECTED FROM MFR'S FULL RANGE OF VINYLS MARKERBOARD SURFACE TO BE WHITE
OP-2	REFER TO SPECIFICATIONS	TO BE SELECTED FROM MFR'S FULL RANGE OF VINYLS

PLASTIC TOILET PARTITIONS/COMPARTMENTS

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
	REFER TO SPECIFICATIONS	TO BE SELECTED

ROLLER WINDOW SHADES

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
RWS	REFER TO SPECIFICATIONS	TO BE SELECTED

SHOWER CURTAINS

WHITE

SOLID SURFACE MATERIAL

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
SSM-1 (RECEPTION)	CORIAN / WILSONART / LG HAYSUS	GROUP 3, TO BE SELECTED
SSM-2 (SILLS)	CORIAN / WILSONART / LG HAYSUS	GROUP 2, TO BE SELECTED
SSM-3 (LAVS)	CORIAN / WILSONART / LG HAYSUS	GROUP 3, TO BE SELECTED
SSM-4 (LAVS)	CORIAN / WILSONART / LG HAYSUS	GROUP 2, TO BE SELECTED

STAGE CURTAIN

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
SE-1,2,6,7	REFER TO SPECIFICATIONS	STANDARD, TO BE SELECTED
SE-3,4,5	REFER TO SPECIFICATIONS	STANDARD, TO BE SELECTED

TACKBOARD

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
TB	REFER TO SPECIFICATIONS	TO BE SELECTED FROM MFR. STANDARD & DESIGNER COLORS

TACKABLE WALL SURFACE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
TWS-1	CARNEGIE / XOREL / LINEN	TO BE SELECTED

FINISH CARPENTRY (CUSTOM DESK ASSEMBLIES) (1)

MATERIAL ABBREVIATION	SPECIES	COLOR SELECTION
STAIN COLOR A	RED OAK / PLAIN SLICED	CLEAR FINISH
STAIN COLOR B	MAPLE / PLAIN SLICED	TO BE SELECTED

WOOD VENEER CASEWORK

MATERIAL ABBREVIATION	SPECIES	COLOR SELECTION
WDF	RED OAK	CLEAR

EQUIPMENT MATERIAL & FINISH GENERAL NOTES

A. COLOR SELECTION OF ALL FINISHES FOR ARCHITECTURAL WOODWORK/CUSTOM CASEWORK ITEMS ARE NOTED ON CASEWORK ELEVATIONS AND DETAIL DRAWINGS.

B. EDUCATIONAL CASEWORK FINISHES ARE AS FOLLOWS:

- HIGH PRESSURE PLASTIC LAMINATE COUNTERTOPS AND WORKSURFACES ARE TO BE PL-2, UNLESS OTHERWISE NOTED.
- HIGH PRESSURE PLASTIC LAMINATE CABINETS/VERTICAL SURFACES ARE TO BE PL-1, UNLESS OTHERWISE NOTED.
- HIGH PRESSURE PLASTIC LAMINATE CUBBIES ARE TO BE PL-3, UNLESS OTHERWISE NOTED.
- INTERIOR MELAMINE TO BE WHITE
- 3MM AND 1MM PVC EDGES ON COUNTERTOPS AND WORKSURFACES ARE TO MATCH PL-2.
- 3MM AND 1MM PVC EDGES ON CASEWORK ARE TO MATCH PL-1.
- HANDLES TO BE BRUSHED CHROME.
- HINGES TO BE BRUSH CHROME.
- GROMMET COLOR TO BE SELECTED (SUBMIT SAMPLES FOR APPROVAL).
- TECHNOLOGY CABINET VENT COLORS TO BE SELECTED (SUBMIT SAMPLES FOR APPROVAL).

C. ALL SAFETY WALL PADDING IN GYMNASIUM TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF STANDARD AND DESIGNER VINYL COLOR SAMPLES. (2)

D. ALL SAFETY PADDING ON VOLLEYBALL STANDARDS TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF STANDARD AND DESIGNER VINYL COLOR SELECTIONS.

E. BLEACHER COLORS TO BE SELECTED. SUBMIT FULL RANGE OF MANUFACTURER'S STANDARD AND DESIGNER COLORS FOR SELECTION & APPROVAL.

F. PROVIDE PLASTIC LAMINATE, PL-5, AND TACKABLE WALL SURFACE, TWS-1, IN ALL DISPLAY CASES.

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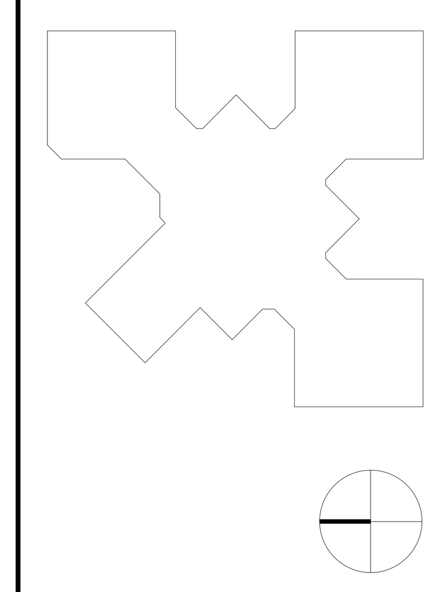

CONSTRUCTION DOCUMENTS

CHARLES ROBERT TYLER REGISTERED No. 4438 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: CRT
DRAWN BY: AML
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	6-19-20
2	ADDENDUM #2	6-29-20

EQUIPMENT SCHEDULES & EQUIPMENT LIST OF FINISHES

A7S.01

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LIST OF FINISHES

REFER TO A8 ARCH. DWG. SHEETS

FLOOR MATERIALS

REFER TO A8 ARCH. DWG. SHEETS

CARPET TILE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
CART-1	SHAW / KINDRED COLLECTION / MEMORY	TO BE SELECTED 5T263-XXXXX / 24" X 24"
CART-2	SHAW / KINDRED COLLECTION / MEMORY	INSIGHT 5T263-48979 / 24" X 24"
CART-3	SHAW / KINDRED COLLECTION / MEMORY	CUSTOM COLOR 5T263-XXXXX / 24" X 24"
CART-4	SHAW / KINDRED COLLECTION / MEMORY	SERENE 5T263-48486 / 24" X 24"
CART-5	J+J INVISION / KINETEX / ANALOG	TO BE SELECTED / 24" X 24"

- ALL CARPET BACKING TO HAVE A MOISTURE RESISTANT BARRIER.
- INSTALLATION METHOD TO BE MONOLITHIC/UNIDIRECTIONAL, UNLESS OTHERWISE NOTED.
- SUBMIT INSTALLATION DRAWINGS INDICATING DIRECTION & LAYOUT OF CARPET TILE PRIOR TO INSTALLATION FOR APPROVAL.

DECORATIVE RESINOUS FLOORING

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
DRF-1	KEY RESIN / QUARTZ B-125	SLATE
DRF-2	KEY RESIN / QUARTZ B-125	TO BE SELECTED

ENTRY CARPET TILE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
ECT-1	INTERFACE / STEP REPEAT / SR 899 MANNINGTON / FRIXTION / CHARGE	TO BE SELECTED TO BE SELECTED 1

FLOOR SEALER

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
FS-1	REFER TO SPECIFICATIONS	CLEAR

LUXURY VINYL TILE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
LVT-1	ARMSTRONG / VIVERO BEST / CINDER FOREST	GRAY ALLUSION U1020 / 6"X48" PLANK
LVT-2	~~MASLAND / CALIBRE~~	~~A5008 / 18"X36" PLANK~~
LVT-3	TANDUS / ID LATITUDE WOOD	TO BE SELECTED / 6"X48" PLANK 2

PORCELAIN TILE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
PT-1	CROSSVILLE / ARGENT	TO BE SELECTED - UNPOLISHED / 12"X12"
PT-2	CROSSVILLE / ARGENT	GRAPES OF WRATH - UNPOLISHED / 12"X12"
PT-3	CROSSVILLE / ARGENT	MEMPHIS BLUES - UNPOLISHED / 12"X12"
PT-4	CROSSVILLE / ARGENT	WATER VAPORS - UNPOLISHED / 12"X12"
PT-5	CROSSVILLE / ARGENT	TO BE SELECTED - UNPOLISHED / 12"X12"

RUBBER STAIR ACCESSORY

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
RSA-1	JOHNSONITE	TO BE SELECTED

SHEET VINYL FLOORING

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
SVF-1	JOHNSONITE / ACCZENT WOOD	TO BE SELECTED

VINYL COMPOSITION TILE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
VCT-1	ARMSTRONG / STANDARD EXCELON IMPERIAL TEXTURE JOHNSONITE-TARKETT / TARKETT VCT	TO BE SELECTED / 12"X12" TO BE SELECTED / 12"X12"

WOOD ATHLETIC FLOORING

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
WAF-1	REFER TO SPECIFICATIONS	TO BE SELECTED

BASE MATERIALS

REFER TO A8 ARCH. DWG. SHEETS

DECORATIVE RESINOUS FLOORING

INTEGRAL BASE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
DRF-2	KEY RESIN / QUARTZ B-125	TO BE SELECTED

PORCELAIN TILE BASE

TILE + SCHLUTER TRANSITION - SEE DETAILS ON A8.06

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
PTB-1	CROSSVILLE / ARGENT	TO BE SELECTED - HONED / 12"X24", CUT TO 4"X24"
PTB-2	CROSSVILLE / ARGENT	TO BE SELECTED - HONED / 12"X24", CUT TO 8"X24"
PTB-3	CROSSVILLE / ARGENT	TO BE SELECTED - HONED / 12"X24", CUT TO 4"X24"

RESILIENT BASE

4"H COVE BASE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
RB-1	JOHNSONITE ROPPE	TO BE SELECTED TO BE SELECTED

VENTED RESILIENT BASE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
VRB-1	TBD	TBD

WALL FINISHES

REFER TO A8 ARCH. DWG. SHEETS

CERAMIC WALL TILE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
CWT-1	AMERICAN OLEAN / BRIGHT & MATTE DALTILE / COLOR WHEEL CLASSIC	WHITE GLOSS 0090 / 6"X6" WHITE GLOSS 0100 / / 6"X6"
CWT-2	AMERICAN OLEAN / BRIGHT & MATTE	GRAPE SODA GLOSS Q079 / 6"X6"
CWT-3	AMERICAN OLEAN / BRIGHT & MATTE DALTILE / COLOR WHEEL CLASSIC	SHAMROCK GREEN GLOSS Q078 / 6"X6" EMERALD GLOSS 0115 / 6"X6"
CWT-4	DALTILE / COLOR WHEEL CLASSIC	SEA BREEZE GLOSS 1174 / 6"X6"

DECORATIVE WALL PANEL

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
DWP-1	MODULARARTS / PATTERN TBD	PAINT COLOR TBD

PAINT

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
P-1 (FIELD)	SHERWIN WILLIAMS	TO BE SELECTED
P-2 (DOOR FRAMES)	SHERWIN WILLIAMS	TO BE SELECTED
P-3 (ADMIN ACCENT)	SHERWIN WILLIAMS	TO BE SELECTED
P-4 (CEILING-DARK)	SHERWIN WILLIAMS	TO BE SELECTED
P-5 (CEILING-LIGHT)	SHERWIN WILLIAMS	TO BE SELECTED
P-6 (PURPLE ACCENT)	SHERWIN WILLIAMS	SW6558 PLUMMY
P-7 (GREEN ACCENT)	SHERWIN WILLIAMS	SW6453 CILANTRO
P-8 (BLUE ACCENT)	SHERWIN WILLIAMS	SW6509 GEORGIAN BAY
P-9 (RR)	SHERWIN WILLIAMS	TO BE SELECTED
P-10 (STAGE)	SHERWIN WILLIAMS	TO BE SELECTED

PORCELAIN WALL TILE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
PWT-1	CROSSVILLE / ARGENT	TO BE SELECTED - HONED / 12"X12"

VINYL FABRIC WALLCOVERING

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
VWC-1 (ADMIN)	MDC WALLCOVERING / VYCON / SPECTRUM KNOLL TEXTILES / FRAGMENT	TO BE SELECTED TO BE SELECTED
VWC-2 (CORRIDORS)	MDC WALLCOVERING / BOLTA / PAPER WEAVE DESIGNTEX / AMARI DL COUCH / CLOTHIER KOROSEAL / LINEAGE	TO BE SELECTED TO BE SELECTED TO BE SELECTED 1 TO BE SELECTED
VWC-3 (CAFETERIA)	MDC WALLCOVERING / LEN-TEX / ILLUSION	TO BE SELECTED
VWC-4 (MEDIA CENTER)	DESIGNTEX / HIVE KOROSEAL / HEXAGON GRID MAHARAM / TRIAD	TO BE SELECTED TO BE SELECTED TO BE SELECTED

CEILING MATERIALS

REFER TO A8 ARCH. DWG. SHEETS

ACOUSTICAL CEILING TILE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
ACT-1 (CLASSROOMS)	ARMSTRONG / SCHOOL ZONE FINE FISSURED HIGH NRC #1755	WHITE / 24"X48"
ACT-2 (RESTROOMS)	ARMSTRONG / TUNDRA #302	WHITE / 24"X48"
ACT-3 (STORAGE)	ARMSTRONG / CORTEGA #747	WHITE / 24"X48"
ACT-4 (OFFICES)	ARMSTRONG / ULTIMA #1943	WHITE / 24"X48"
ACT-5 (MEDIA CENTER)	ARMSTRONG / CIRRUS #574	WHITE / 24"X24"
ACT-6	-- NOT USED --	-- NOT USED -- 1

LINEAR METAL CEILING

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
LMC-1	ARMSTRONG / METALWORKS LINEAR	TO BE SELECTED

PAINT EXPOSED STRUCTURE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
PES	SHERWIN WILLIAMS	SEE A8 SHEETS FOR COLORS

ACOUSTICAL MATERIALS

REFER TO A8 ARCH. DWG. SHEETS

ABUSE-RESISTANT ACOUSTICAL WALL TILES

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
AR-AWT-1	TECTUM	PAINT COLOR TBD / 1-1/2" THICK
AR-AWT-2	TECTUM	PAINT COLOR TBD / 1-1/2" THICK 1
AR-AWT-3	TECTUM	PAINT COLOR TBD / 2" THICK

ACOUSTICAL WALL TILES

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
AWT-1	DESIGNTEX / GAMUT	TO BE SELECTED / 2" THICK

MISCELLANEOUS FINISHES

REFER TO A8 ARCH. DWG. SHEETS

BRICK

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
BRK-1	ENDICOTT FACE BRICK	DARK SANDSTONE / VELOUR TEXTURE / MODULAR SIZE
BRK-2	ENDICOTT FACE BRICK	LIGHT SANDSTONE / VELOUR TEXTURE / MODULAR SIZE
BRK-3	ENDICOTT FACE BRICK	GREY BLEND / VELOUR TEXTURE / MODULAR SIZE

GROUT

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
GT-1	REFER TO SPECIFICATIONS	TO BE SELECTED
GT-2	REFER TO SPECIFICATIONS	TO BE SELECTED
GT-3	REFER TO SPECIFICATIONS	TO BE SELECTED

INTERIOR WOOD DOORS/ INTERIOR WOOD TRIM

- WOOD SPECIES TO BE RED OAK
- FINISH TO BE CLEAR COAT

STRETCH-FABRIC WALL SYSTEM

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	FABRIC SELECTION
SFWS-1	REFER TO SPECIFICATIONS	DESIGNTEX / DECIBEL / TO BE SELECTED
SFWS-2	REFER TO SPECIFICATIONS	DESIGNTEX / DECIBEL / TO BE SELECTED 1
SFWS-3	REFER TO SPECIFICATIONS	DESIGNTEX / DECIBEL / TO BE SELECTED

- NOTE: VERTICAL (OFF THE BOLT) INSTALLATION WITH MAXIMUM 66" WIDTH 2

RESILIENT STAIR ACCESSORY

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
RSA-1	JOHNSONITE ROPPE	VDL-XX-SQ/TO BE SELECTED MATCH JOHNSONITE

MATERIAL & FINISH GENERAL NOTES

GENERAL
A. REFER TO FINISH PLAN DRAWINGS AND DETAILS (A8 SERIES) FOR MATERIALS, PATTERNS AND COLORS.
B. REFER TO A7S.01 LIST OF FINISHES FOR ADDITIONAL FINISHES NOT NOTED ON THIS SHEET.

FLOORING
A. CENTER FLOORING TILE AND PATTERN IN ROOM UNLESS OTHERWISE INDICATED ON FINISH PLANS.
B. ALIGN EDGE OF FINISHED FLOOR MATERIAL WITH EDGE OF WALL OR CASEWORK.
C. FLOOR FINISH MATERIAL TRANSITIONS SHALL OCCUR UNDER THE CENTER OF THE DOOR UNLESS OTHERWISE INDICATED, WHERE THE FLOORING MATERIAL CHANGES FROM ROOM TO ROOM.
D. EXTEND FLOOR MATERIAL AND PATTERN UNDER ALL OPEN TO THE FLOOR CASEWORK AND FURNITURE.
E. COORDINATE CONTROL JOINTS IN CONCRETE SLAB WITH STRUCTURAL DRAWINGS AND FINISH FLOORING INSTALLER.
F. REFER TO FLOOR PLANS, RESTROOM ENLARGED PLANS, PLUMBING DRAWINGS, ETC. FOR FLOOR DRAIN LOCATIONS.
G. PROVIDE RSA-1 NOSING ON ALL STAIRS. SEE DETAIL BELOW FOR ADDITIONAL INFORMATION. 1
H. AT BUILDING EXPANSION JOINTS (IF APPLICABLE) PROVIDE PRE-FABRICATED MOVEMENT PROFILE SYSTEM IN MORTAR BED. PROVIDE SCHLUTER DILEX-EDP OR APPROVED EQUAL. TYPICAL AT ALL LOCATIONS.

LUXURY VINYL TILE
A. ALL LVT PATTERNS BASED ON PLANK SIZE INCREMENTS PER MANUFACTURER.
B. ALL PLANK LVT TO BE INSTALLED UNIDIRECTIONAL PER MANUFACTURER'S GUIDELINES.

CARPET TILE
A. CARPET TILES 1-4 TO BE INSTALLED MONOLITHICALLY FOR SPECIFIED TYPES/COLORS.
B. CARPET TILE 5 (CART-5) TO BE INSTALLED IN QUARTER TURN METHOD. 1
C. PRIOR TO INSTALLATION, CONTRACTOR TO SUBMIT INSTALLATION DRAWINGS INDICATING DIRECTION/LAYOUT OF CARPET TILE TO ENSURE THAT DESIGN INTENT HAS BEEN IMPLEMENTED.

CERAMIC WALL TILE
A. GROUT AT ALL CERAMIC WALL TILE LOCATIONS TO BE GT-1.

PORCELAIN TILE
A. GROUT AT PT-5 FLOOR LOCATIONS TO BE GT-3.
B. GROUT AT ALL OTHER PORCELAIN TILE FLOOR LOCATIONS TO BE GT-2.
C. GROUT AT ALL PORCELAIN TILE WALL LOCATIONS (PWT-1) TO BE GT-3.
D. AT BUILDING EXPANSION JOINTS, PROVIDE PRE-FABRICATED MOVEMENT PROFILE SYSTEM AT PORCELAIN TILE FLOORING. PROVIDE SCHLUTER RENO-TK OR APPROVED EQUAL. TYPICAL AT ALL LOCATIONS.
E. PROVIDE ANODIZED ALUMINUM SPECIAL RPOFILE TRANSITION SYSTEM BETWEEN PAVER FLOOR TILE AND CARPET TILE. PROVIDE SCHLUTER RENO-TK OR APPROVED EQUAL. TYPICAL AT ALL LOCATIONS.

WALL BASE
A. RUBBER BASE (RB-1) TO BE INSTALLED AT ALL LVT, VCT, CART, SVF, AND FS LOCATIONS UNLESS OTHERWISE INDICATED. ALL RB BASE TO BE COVED.
B. PROVIDE PREFORMED BASE TO MATCH 1"RADIUS AT ALL LOCATIONS WHERE BASE COVERS MASONRY BULLNOSE. REFER TO FINISH SCHEDULE FOR BASE MATERIAL TYPE. TYPICAL AT ALL LOCATIONS. AT RB LOCATIONS PROVIDE PREFORMED OUTSIDE CORNERS, AND USE MANUFACTURER'S RECOMMENDED ADHESIVE (CONTACT CEMENT) FOR PROPER ADHESION WITH NO GAPS.

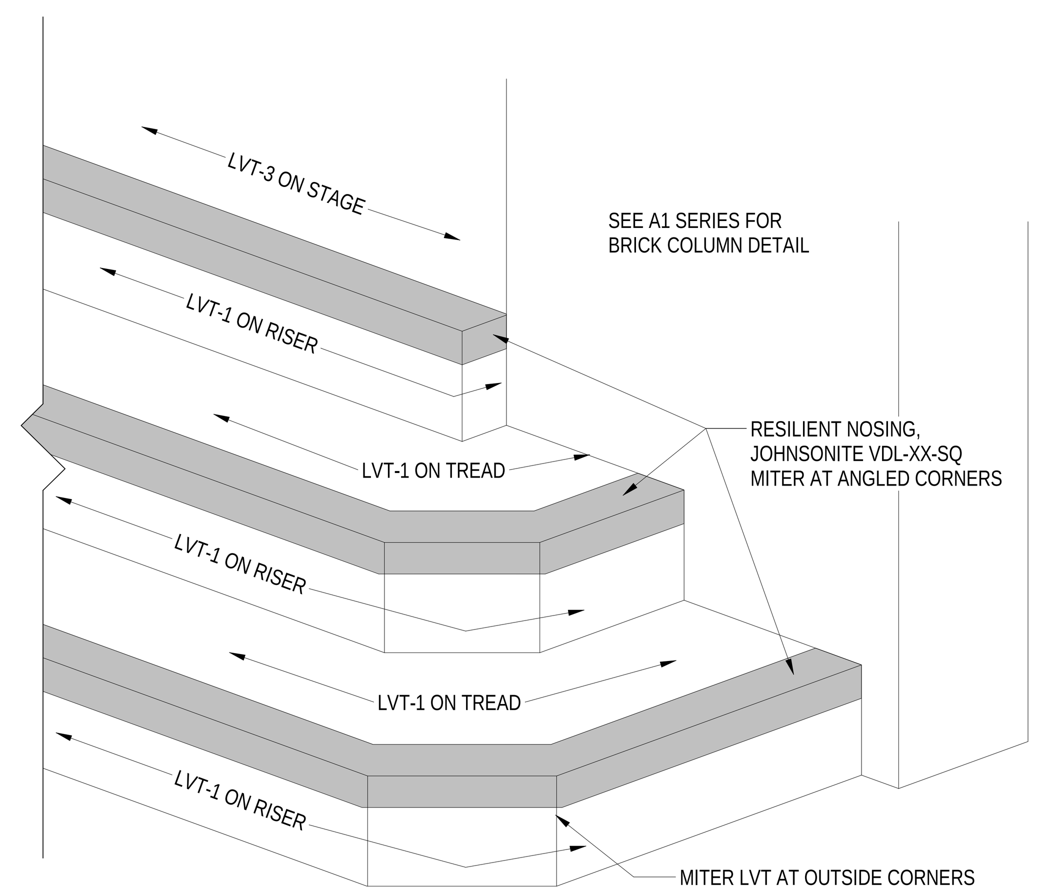
PAINT & STAIN
A. PAINT ALL WALLS UNLESS OTHERWISE INDICATED ON FINISH PLANS.
B. PAINT ONE MOCK-UP CLASSROOM TO RECEIVE ARCHITECT'S APPROVAL PRIOR TO ORDERING PAINT FOR THE ENTIRE BUILDING.
C. DO NOT PAINT INTERIOR BRICK.

PAINT TYPE GENERAL NOTES

A. UNDER SECTION 099123 - INTERIOR PAINTING, PAINT EXPOSED PIPES, DUCTWORK, BREACHING, CONDUIT, INSULATED PIPES, CONDUIT HANGERS, SUPPORTS, BRACING, ETC., WHICH OCCURS IN SPACES DESIGNATED TO BE PAINTED IN PART OR WHOLE.
B. PAINTING AND FINISHING OF EXTERIOR SURFACES AS DESIGNATED. DETAILS SHALL BE UNDER THE WORK SECTION 0991113 - EXTERIOR PAINTING. 2
C. ALL GYPSUM BOARD WALLS SHALL BE PAINTED WITH INTERIOR PAINT TYPE #9.22 (EGGSHELL) UNLESS OTHERWISE INDICATED.
D. ALL GYPSUM BOARD CEILINGS AND SOFFITS SHALL BE PAINTED WITH PAINT TYPE #9.21 (FLAT) UNLESS OTHERWISE INDICATED.
E. PAINT ALL NON-INTEGRALLY COLORED CMU WALLS WITH INTERIOR PAINT TYPE #4.14 (SEMI-GLOSS), UNLESS OTHERWISE INDICATED.
F. ALL EXPOSED STEEL COLUMNS SHALL BE PAINTED WITH PAINT CODE #5.221 (EPOXY-GLOSS). REFER TO SECTION 099600 - HIGH PERFORMANCE COATINGS.
G. ALL FERROUS METAL (EXCLUDING STRUCTURE) SHALL BE PAINTED INTERIOR PAINT TYPE #5.12.
H. ALL GALVANIZED METAL (EXCLUDING STRUCTURE) SHALL BE PAINTED INTERIOR PAINT TYPE #5.32.
I. ALL EXPOSED STEEL (FERROUS) STRUCTURE SHALL BE PAINTED INTERIOR PAINT TYPE #5.11.
J. ALL EXPOSED GALVANIZED-METAL STRUCTURE SHALL BE PAINTED INTERIOR PAINT TYPE #5.31.
K. ~~ALL ABUSE RESISTANT ACOUSTICAL WALL PANELS (AR-AWT) SHALL BE PAINTED WITH INTERIOR PAINT CODE #11.0~~
L. ALL WALLS ARE TO RECEIVE AN EGGSHELL FINISH AND ALL CEILINGS/BULKHEADS ARE TO RECEIVE A FLAT FINISH, UNLESS NOTED OTHERWISE. 2
M. IN THE FOLLOWING ROOMS PAINT WITH PAINT CODE #4.223 (CMU WALLS, EPOXY-SEMI-GLOSS) OR #9.212 (GYPSUM BOARD WALLS, EPOXY-SEMI-GLOSS). REFER TO SECTION 099600 - HIGH PERFORMANCE COATINGS. **GYMNASIUM, CAFETERIA, CORRIDORS, AND RESTROOM WALLS THAT ARE PAINT ONLY ABOVE PORCELAIN BASE.**

PAINT COLOR GENERAL NOTES

A. ALL INTERIOR WALLS SHALL BE PAINTED P-1, UNLESS OTHERWISE INDICATED ON FINISH PLANS OR INTERIOR ELEVATIONS.
B. PAINT ALL GWB SOFFITS P-1 UNLESS OTHERWISE NOTED ON FINISH PLANS OR INTERIOR ELEVATIONS.
C. PAINT ALL SIDES (HORIZ. AND VERT.) OF SOFFIT INDICATED COLOR, UNLESS OTHERWISE NOTED.
D. PAINT ALL PAINTED EXPOSED CEILINGS AND GYPSUM BOARD CEILINGS P-5 UNLESS OTHERWISE NOTED ON FINISH PLANS, CEILING PLANS, OR INTERIOR ELEVATIONS.
E. ALL INTERIOR HOLLOW METAL FRAMES, DOOR FRAMES, AND HANDRAILS TO BE PAINTED P-2 UNLESS OTHERWISE NOTED. 1



**SEE 1/A1.07 & 2 & 3/A5.04 FOR STAIR DIMENSIONS

STAGE STAIR DETAIL

SCALE: 1 1/2" = 1'-0"

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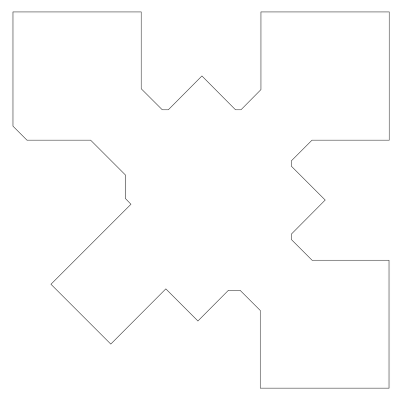

CONSTRUCTION DOCUMENTS

CHARLES ROBERT TYLER REGISTERED No. 4438 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: CRT
DRAWN BY: AML
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	6-19-20
2	ADDENDUM #2	6-29-20

LIST OF FINISHES

A8S.01

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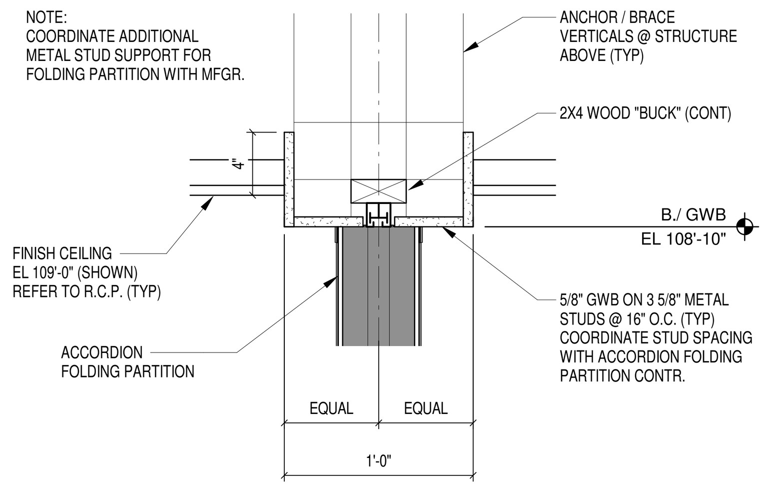

14 SECTION
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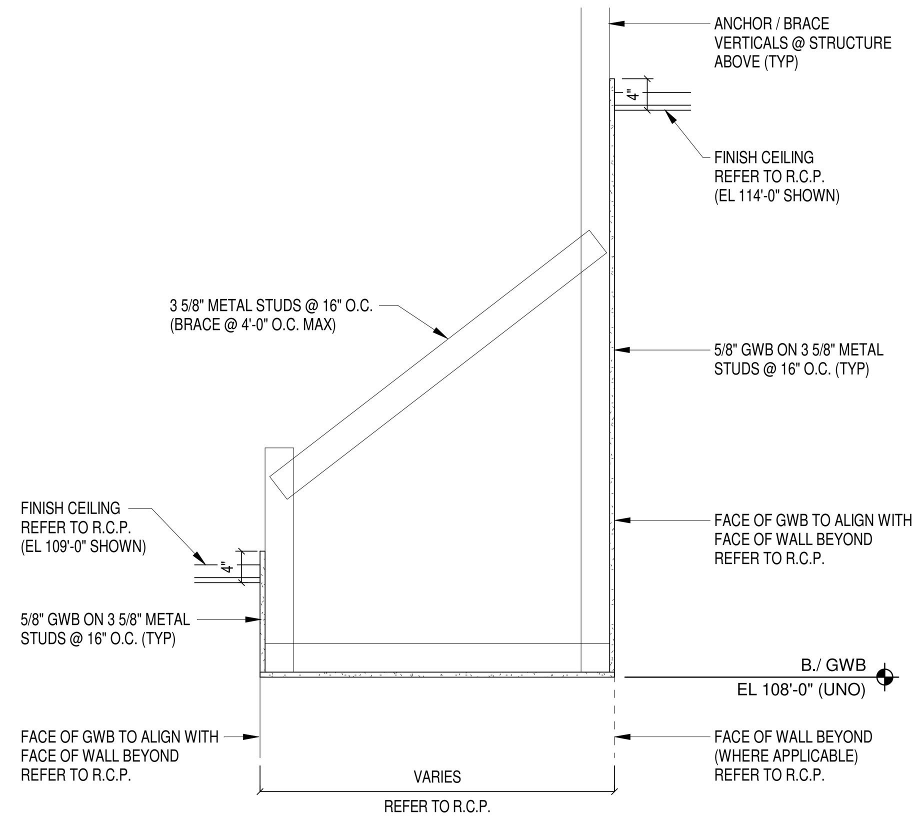

13 SECTION
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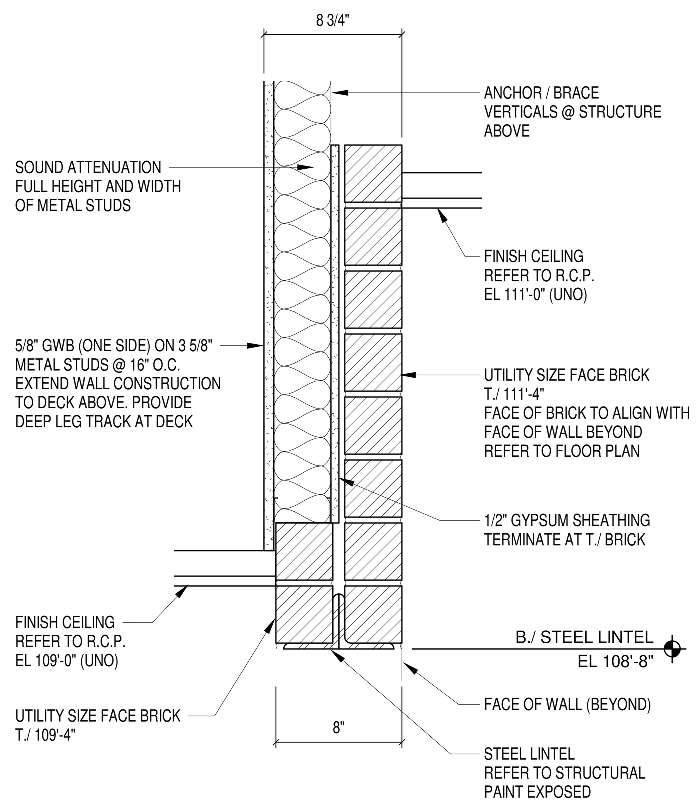

15 SECTION
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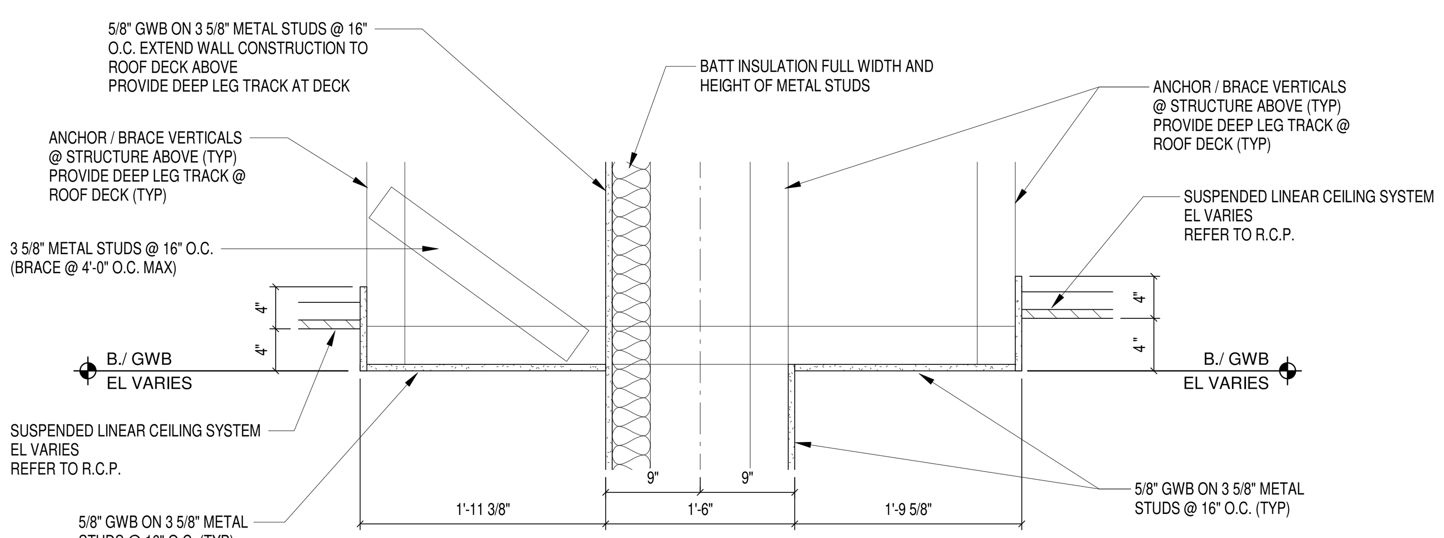
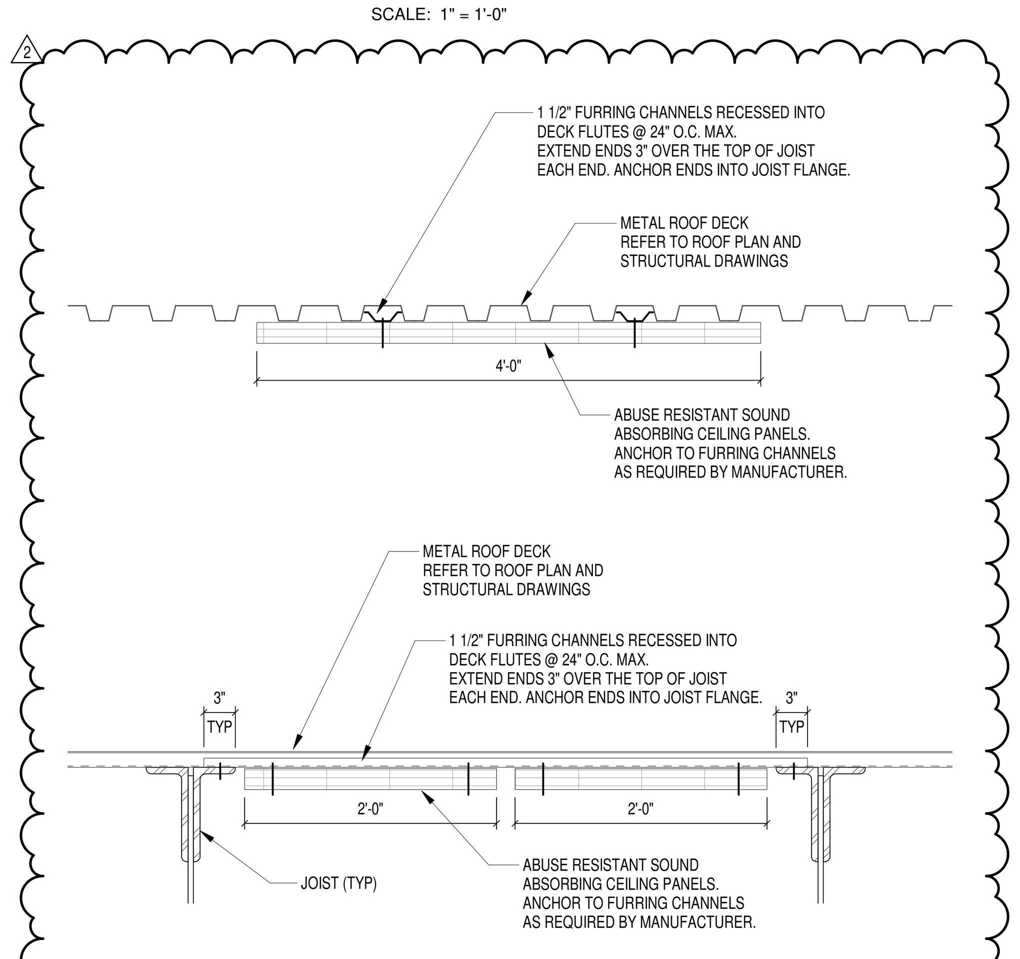


16 SECTION
SCALE: 1" = 1'-0"



17 SECTIONS (UNIT B)
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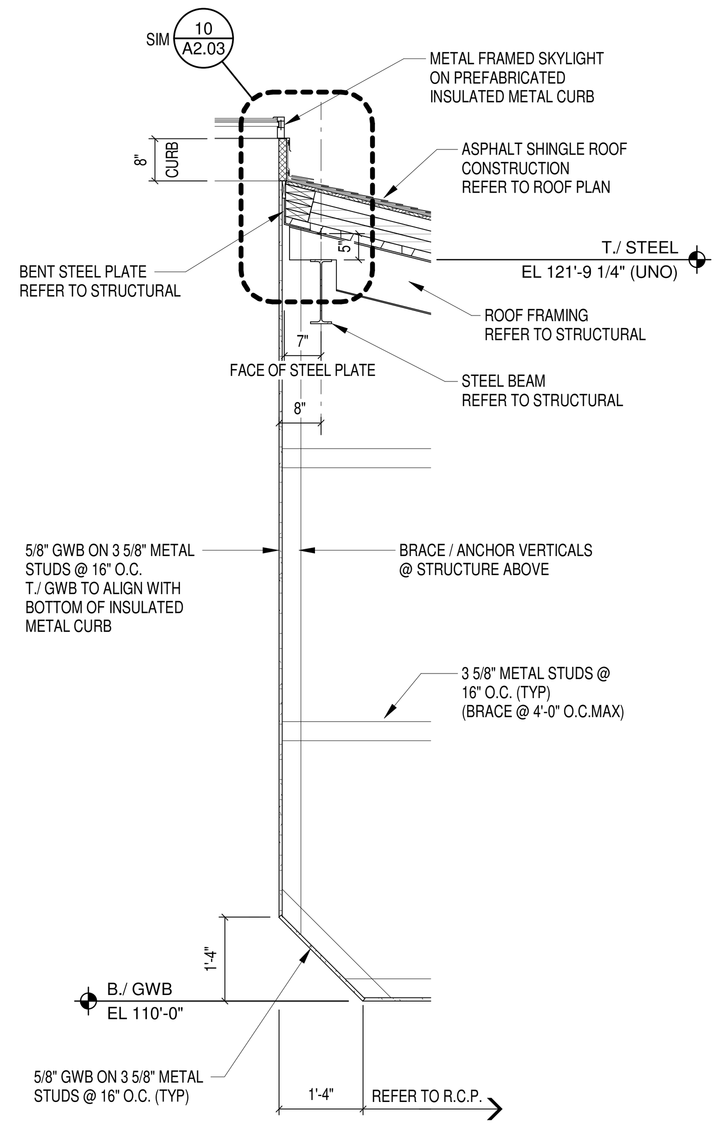
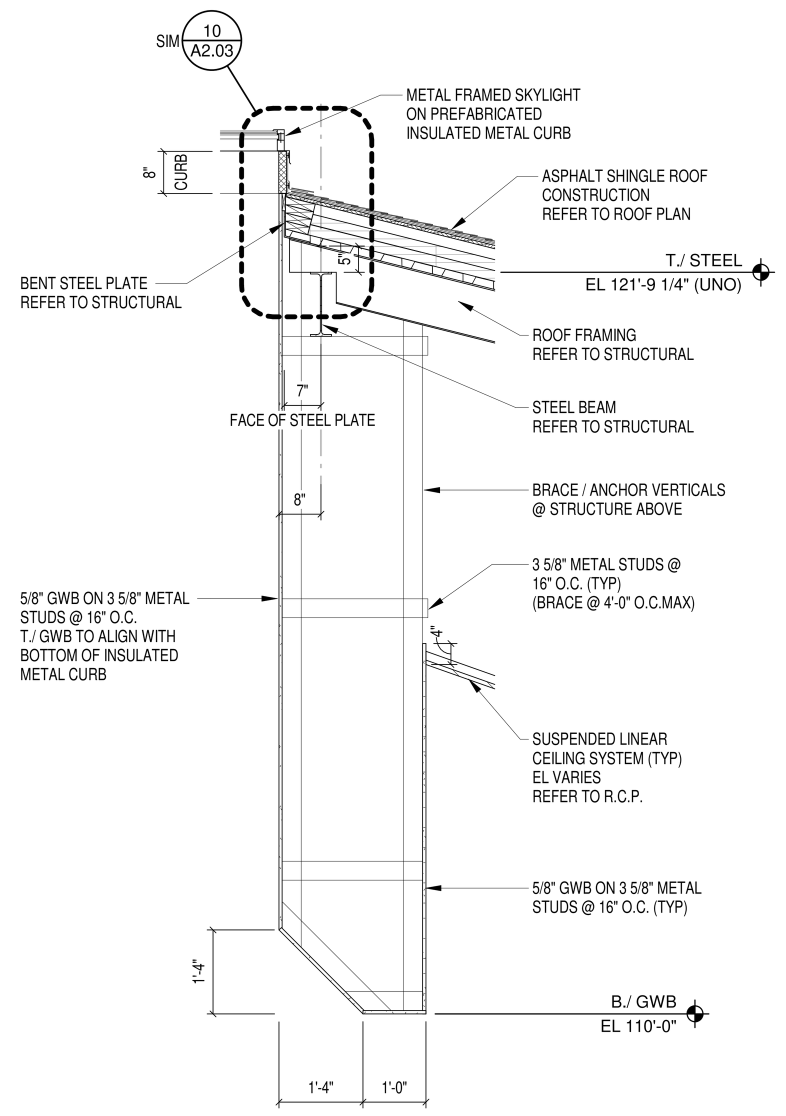
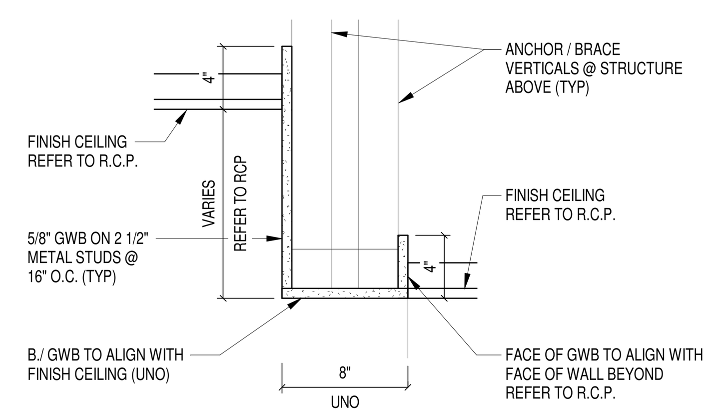


9 SECTION
SCALE: 1/2" = 1'-0"



10 SECTION
SCALE: 1/2" = 1'-0"



11 SECTION
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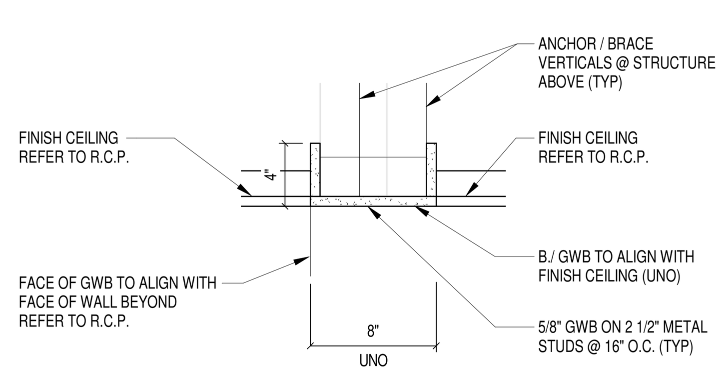

12 SECTION
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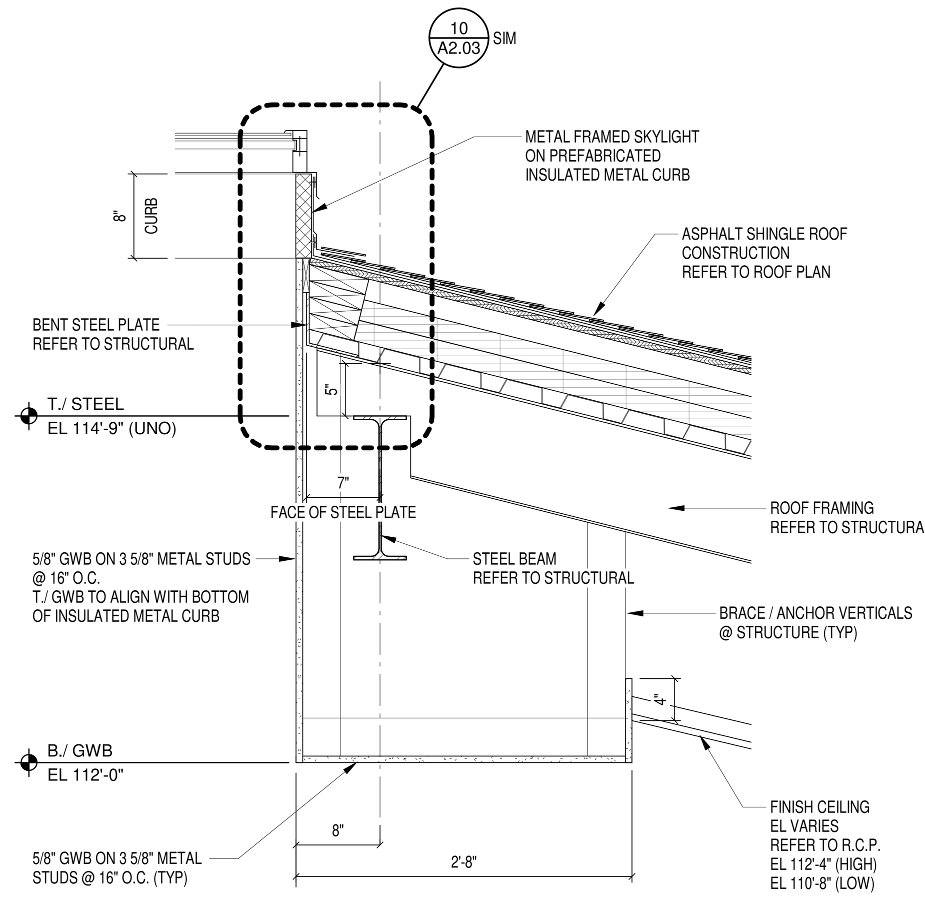

5 SECTION
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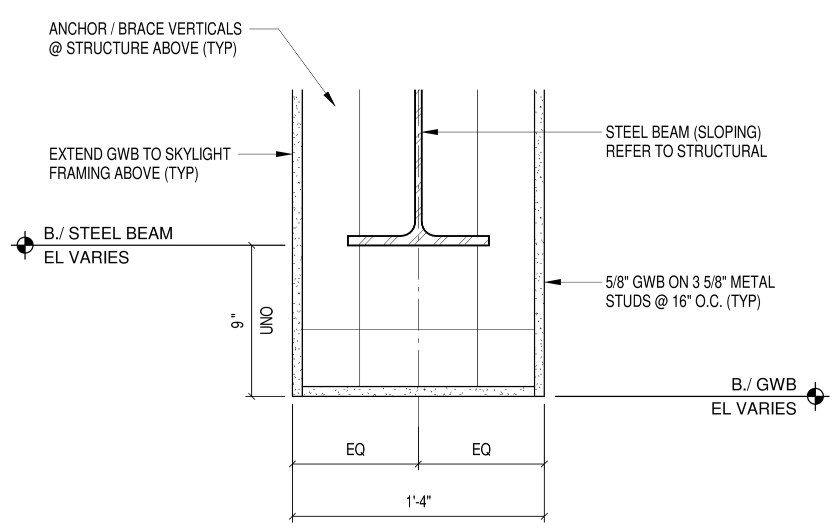
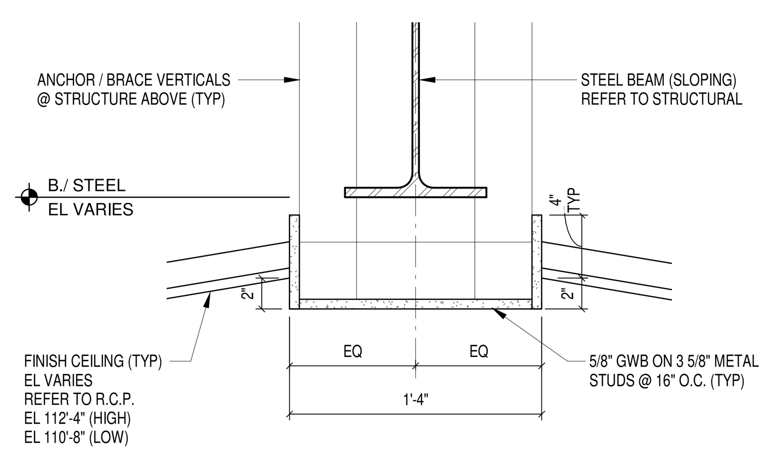
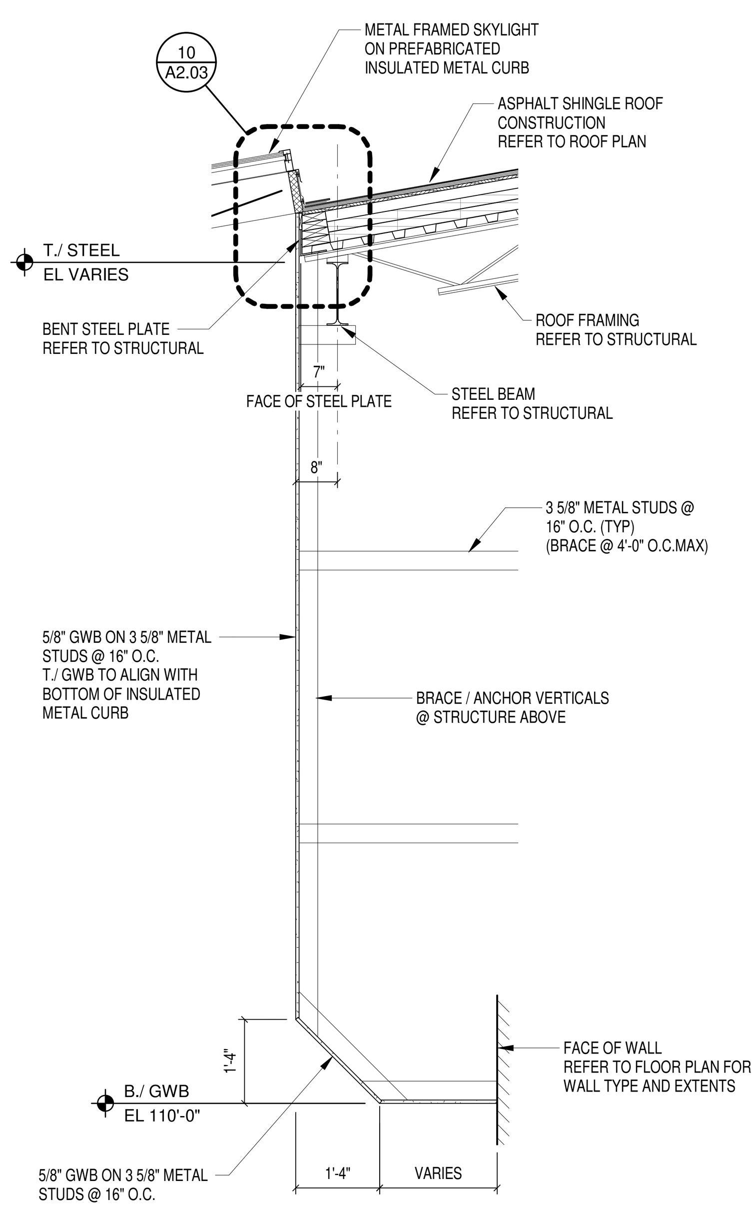


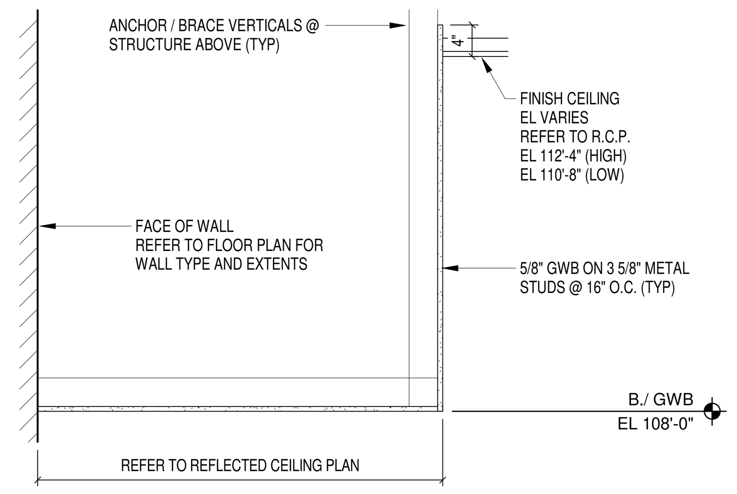
6 SECTION
SCALE: 1 1/2" = 1'-0"



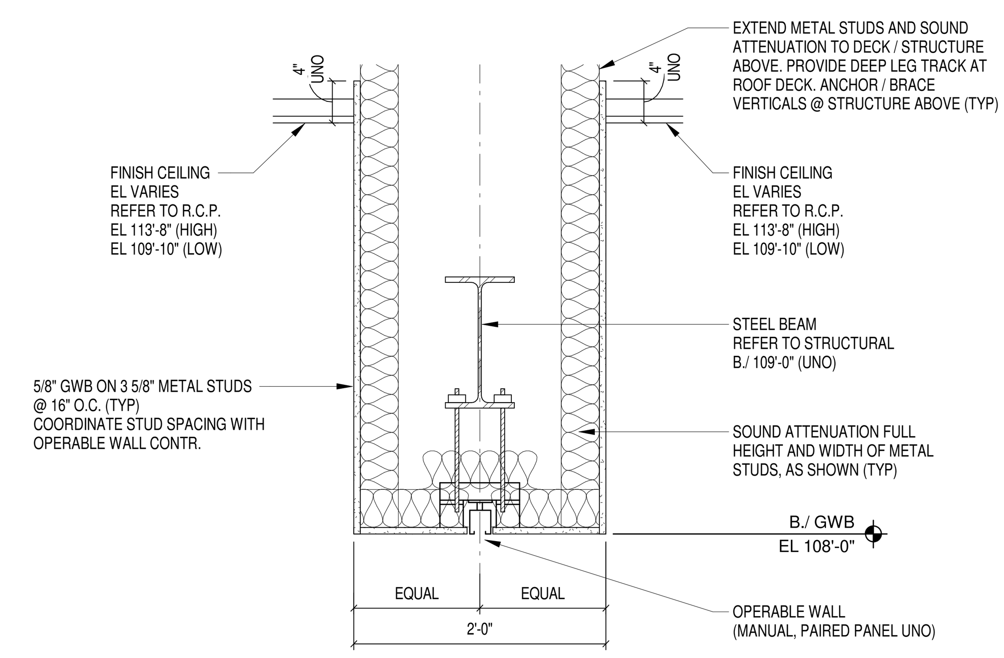
7 SECTION
SCALE: 1 1/2" = 1'-0"



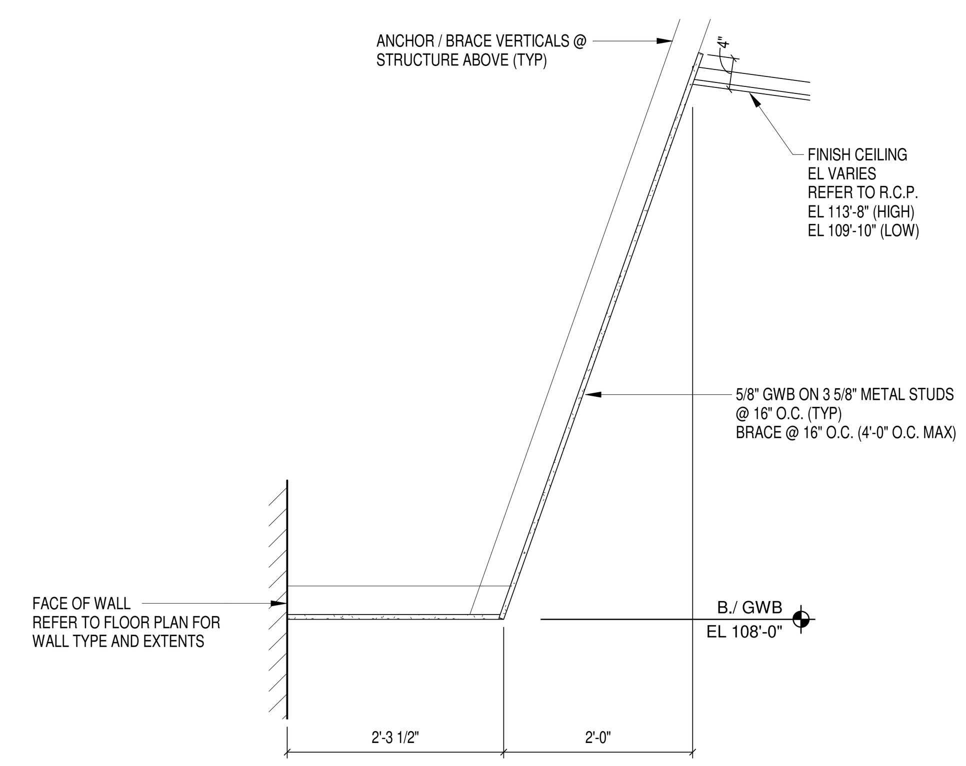
8 SECTION
SCALE: 1/2" = 1'-0"



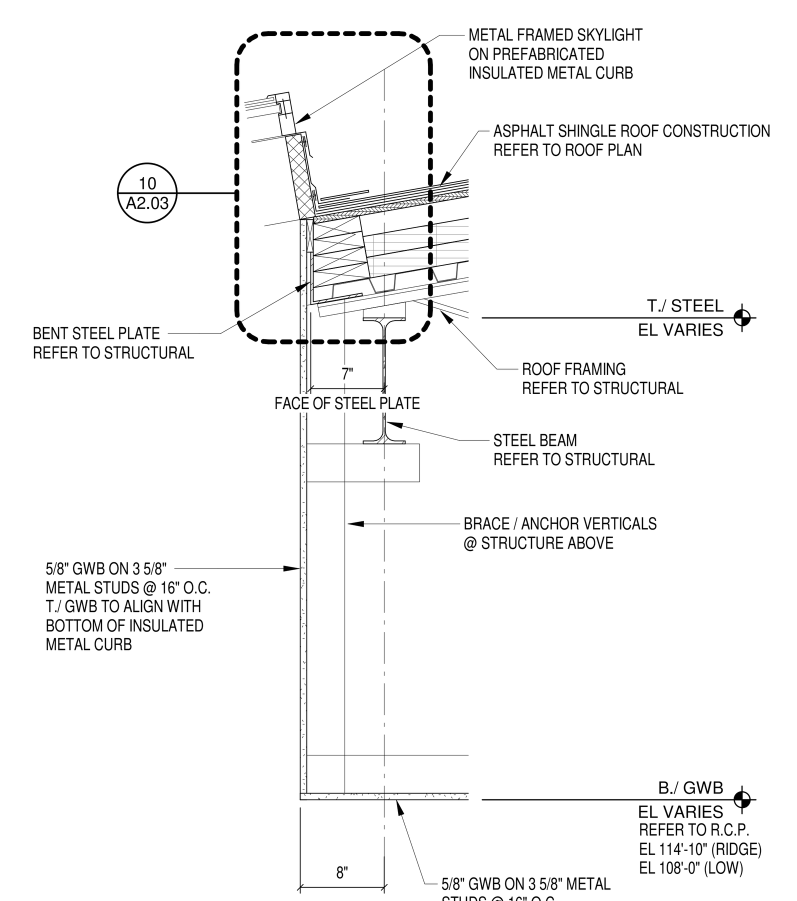
1 SECTION
SCALE: 3/4" = 1'-0"



2 SECTION (OPERABLE WALL)
SCALE: 1" = 1'-0"



3 SECTION
SCALE: 3/4" = 1'-0"



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

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CONSTRUCTION DOCUMENTS

CHARLES ROBERT TYLER REGISTERED No. 4438 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: CT
DRAWN BY: MDM
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

CEILING / BULKHEAD DETAILS

A9.07

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NOTE:
ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT

A	COMPRESSED AIR
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
AV	ACID-VENT
AW	ACID-WASTE
BLDG	BUILDING
BT	BATH TUB
CD	CONSENSATE DRAIN
CO	CLEANOUT
CUSP	CUSPIDOR
DF	DRINKING FOUNTAIN
DIA/Ø	DIAMETER
DWG	DRAWING
EWC	ELECTRIC WATER COOLER
FD	FLOOR DRAIN
FHC	FIRE HOSE CABINET
FLR	FLOOR
G	GAS (NATURAL)
GPM	GALLONS PER MINUTE
GCO	GRADE CLEAN OUT
INV	INVERT
L	LAVATORY
MFR	MANUFACTURER
MH	MANHOLE
NIC	NOT IN CONTRACT
NO/#	NUMBER
NTS	NOT TO SCALE
OD	OVERFLOW DRAIN
OSD	OPEN SITE DRAIN
OFD	OVER FLOW DRAIN
PIV	POST INDICATOR VALVE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REQ'D	REQUIRED
RM	ROOM
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
SAN	SANITARY
SH	SHOWER
SHT	SHEET
SK	SINK
STM	STORM
UR	URINAL
V	VENT
VA	VALVE
VTR	VENT THRU ROOF
W/	WITH
WC	WATER CLOSET
WH	WALL HYDRANT
W/O	WITHOUT

COLD WATER SUPPLY
SCW — SOFT COLD WATER
HOT WATER SUPPLY
HOT WATER RETURN
VENT PIPING
SANITARY PIPING - ABOVE FLOOR
SANITARY PIPING - BELOW FLOOR
ST — STORM PIPING - ABOVE FLOOR
ST — STORM PIPING - BELOW FLOOR
F — FIRE PROTECTION PIPING
AW — ACID WASTE PIPING - ABOVE FLOOR
AW — ACID WASTE PIPING - BELOW FLOOR
AV — ACID VENT PIPING
G — NATURAL GAS
BALANCING VALVE
VALVE
CHECK VALVE
BALANCING STATION (SEE DETAIL XX.X)
RISE UP (ELBOW)
RISE OR DROP
BRANCH-BOTTOM CONNECTION
BRANCH-TOP CONNECTION
INDICATES ELEVATION CHANGE OF PIPING SYSTEM
SOLENOID VALVE
BACKFLOW PREVENTER
PRESSURE REDUCING DOUBLE CHECK VALVE
UNION
STRAINER
WH — WALL HYDRANT
HB — HOSE BIBB
CO — FLOOR CLEAN OUT
REDUCER
FLOW ARROW
GAS COCK
GAS REGULATOR
WATER METER
CONNECT TO EXISTING
ROOF DRAIN
EXPANSION JOINT
CO — CLEANOUT
FLOOR DRAIN
SHOWER HEAD
1 — CODED NOTE
TYPICAL SANITARY AND STORM DROP IN 45 DEGREE CONNNECTION

PLUMBING GENERAL NOTES

1. THE PLUMBING CONTRACTOR SHALL PROVIDE SHUTOFF VALVES FOR ALL INDIVIDUAL PLUMBING FIXTURES AND EQUIPMENT, ALL BRANCH PIPING SERVING PLUMBING FIXTURE BANKS, SECTIONAL OR SUB MAIN PIPING ALONG THE ROUTING OF THE MAIN DOMESTIC SERVICE THRU THE BUILDING FOR BROAD AND LOCAL CONTROL OF THE MAIN DOMESTIC WATER SERVICE SYSTEM.
2. THE PLUMBING CONTRACTOR SHALL PROVIDE HOT WATER RETURN PIPING AND BALANCING STATIONS TO ONE OR MORE FIXTURES WHEN DISTANCE FROM THE DOMESTIC HOT WATER MAIN EXCEEDS 10'-0" TOTAL DEVELOPED LENGTH. ALL HOT WATER RETURN PIPING THRU THE BUILDING SHALL INCLUDE THE CONNECTION TO THE HOT WATER RETURN MAIN. ROUTING IS TO BE CONTINUOUS TO THE MOST REMOTE HOT WATER FIXTURE FOR A COMPLETE HOT WATER CIRCULATION.
3. COORDINATE ALL COLUMN PAD ELEVATIONS, INTERIOR AND EXTERIOR FOUNDATION FOOTINGS WHICH REQUIRE PIPE SLEEVES OR LOWERING TO ACCOMMODATE PLUMBING PIPE RISERS AND FOUNDATION WALL SLEEVES PRIOR TO START OF WORK.
4. THE PLUMBING CONTRACTOR SHALL OBTAIN A COPY OF SITE CIVIL DRAWINGS TO VERIFY EXACT LOCATION OF PLUMBING SERVICES EXITING THE BUILDING TO DETERMINE EXACT POINT OF INTERCONNECTION WITH EXTERIOR SERVICES PRIOR TO START OF WORK. ANY CONFLICT ASSOCIATED WITH LACK OF COORDINATION WILL BE CORRECTED BY THE CONTRACTORS AT NO COST TO THE OWNER.
5. ROOF DRAINS AND OVERFLOW DRAINS BY THE ROOFING CONTRACTOR (AS LISTED IN DIVISION 7). THE PLUMBING CONTRACTOR SHALL FINAL CONNECT TO DRAINS AND EXTEND TO THE EXTERIO STORM WATER SYSTEM.
6.. COORDINATE ALL PIPING ROUTINGS WITH ELECTRICAL EQUIPMENT, PANELS, SWITCH GEAR.... FOR COMPLIANCE WITH NFPA STANDARDS, ALL APPLICABLE STATE AND LOCAL CODES AND THE AUTHORITY HAVING JURISDICTION
7. ALL GAS SHUT-OFF VALVES SHALL BE LOCATED IN AN ACCESSIBLE LOCATION AND IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES. GAS VALVES SHALL NOT BE LOCATED ABOVE CEILINGS.
8. SUPPORT PIPING FROM OPEN WEB STEEL JOISTS FROM HANGERS CONNECTED TO EITHER TOP OR BOTTOM CHORDS WITHIN 3 INCHES OF CENTER OF CHORD PANEL POINTS. (INTERSECTION OF DIAGONAL OR VERTICAL CHORD WITH TOP OR BOTTOM CHORD).
9. THE CONTRACTOR SHALL PROVIDE CONCRETE PADS FOR FLOOR MOUNTED PLUMBING EQUIPMENT. PADS SHALL BE 4 INCHES HIGH MINIMUM, UNLESS OTHERWISE INDICATED ON DRAWINGS. EDGES SHALL BE CHAMFERED ON INCH. FACES SHALL BE FREE OF VOIDS AND RUBBED SMOOTH WITH CARBORUNDUM BLOCK AFTER STRIPPING OF FORMS. TOPS OF PADS SHALL BE DEAD LEVEL. PROVIDE SHORT DOWEL RODS INTO FLOOR FOR LATERAL STABILITY AND ANCHORAGE.
10. INSTALLATION OF PLUMBING EQUIPMENT, VALVES, ETC SHALL BE ACCESSIBLE FOR OPERATION AND MAINTENANCE WITHIN NORMAL BUILDING MAINTENANCE PROCEDURES.

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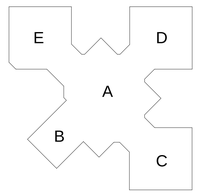

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT
DRAWN BY: TCL
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

SYMBOLS & ABBREVIATIONS

P1.1

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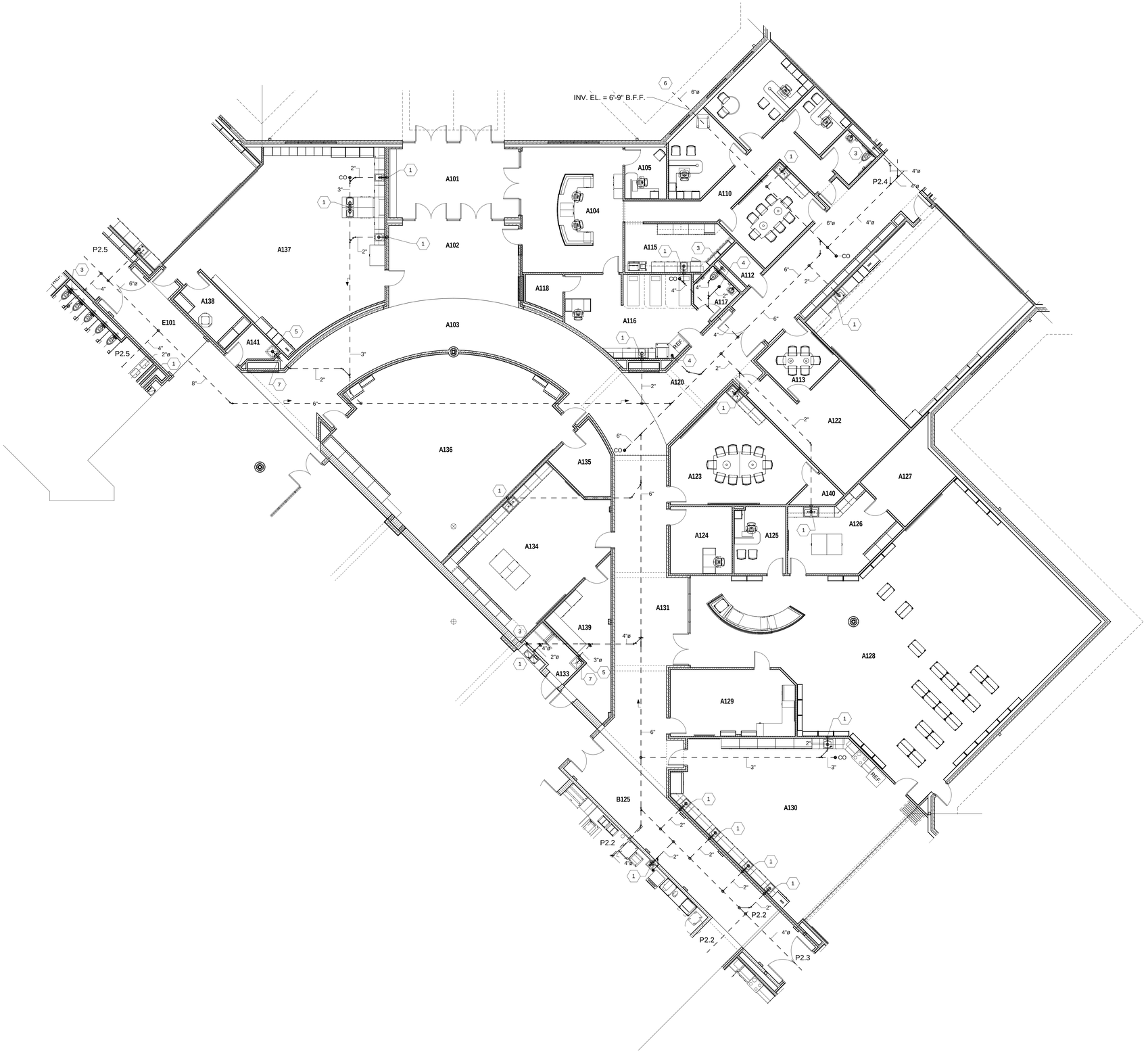

UNIT A - FOUNDATION PLUMBING PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT A		
ROOM NO.	ROOM NAME	AREA (SF)
A101	VESTIBULE	341 SF
A102	LOBBY	366 SF
A103	CORRIDOR	925 SF
A104	RECEPTION AREA	470 SF
A105	OFFICE	80 SF
A106	ASSISTANT PRINCIPAL'S OFFICE	166 SF
A107	PRINCIPAL'S OFFICE	214 SF
A108	OFFICE	87 SF
A109	RESTROOM	56 SF
A110	CORRIDOR	230 SF
A111	CONFERENCE ROOM	208 SF
A112	STORAGE	34 SF
A113	GUIDANCE CONFERENCE ROOM	127 SF
A115	WORKROOM	175 SF
A116	CLINIC	366 SF
A117	RESTROOM	54 SF
A118	STORAGE	48 SF
A119	CORRIDOR	488 SF
A120	CORRIDOR	289 SF
A121	CLASSROOM	956 SF
A122	GUIDANCE COUNCELOR'S OFFICE	377 SF
A123	CONFERENCE ROOM	433 SF
A124	SPEECH AND HEARING	154 SF
A125	OFFICE	127 SF
A126	WORKROOM	261 SF
A127	STORAGE	180 SF
A128	MEDIA CENTER	2434 SF
A129	STORAGE	305 SF
A130	PROJECT	1039 SF
A131	CORRIDOR	706 SF
A133	CUSTODIAL CLOSET	60 SF
A134	WORKROOM	600 SF
A135	STORAGE	112 SF
A136	MUSIC	1162 SF
A137	ART	1105 SF
A138	STORAGE / KILN	102 SF
A139	PUBLICATION	222 SF
A140	STORAGE	35 SF
A141	JANITOR CLOSET	43 SF

GENERAL NOTE:

1. REFER TO DRAWING P1.1 FOR GENERAL DRAWING NOTES WHICH APPLY TO THIS DRAWING.

P2.1 & P4.1 PLAN NOTES

1. 2" WASTE FROM ABOVE.
2. 2" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
3. 4" WASTE FROM ABOVE.
4. 3" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
5. 2" VENT UP.
6. REFER TO SITE DRAWINGS FOR CONTINUATION.
7. 3" WASTE FROM ABOVE.
8. 5" WASTE FROM ABOVE.

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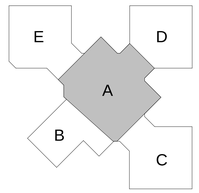

KEY PLAN

CONSTRUCTION DOCUMENTS

TIMOTHY C. LEHMAN REGISTERED No. PE 10800147 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: TCL
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

UNIT A - FOUNDATION PLUMBING PLAN

P2.1

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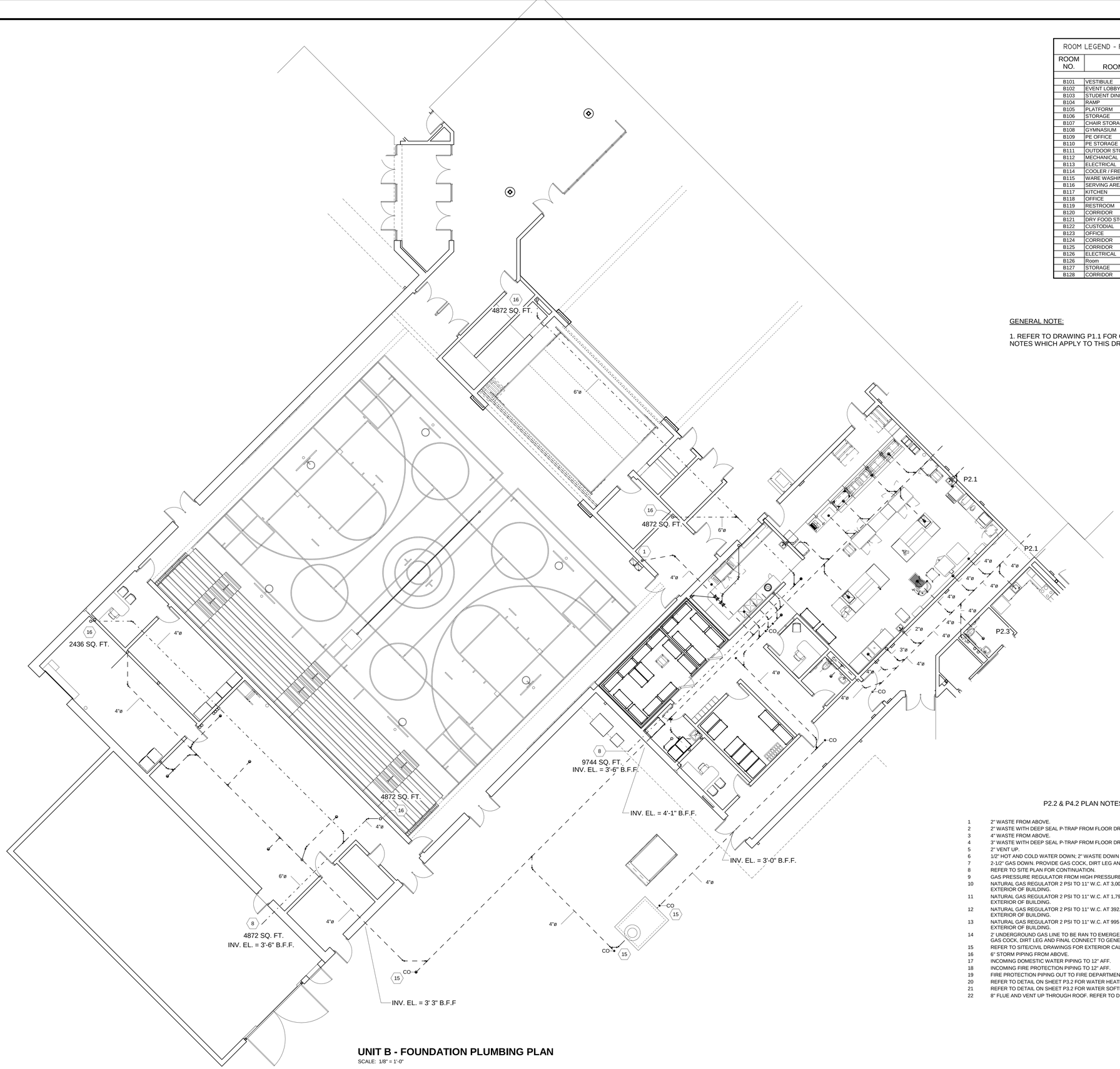
ROOM LEGEND - FIRST FLOOR UNIT B		
ROOM NO.	ROOM NAME	AREA (SF)
B101	VESTIBULE	270 SF
B102	EVENT LOBBY	1567 SF
B103	STUDENT DINING	3444 SF
B104	RAMP	199 SF
B105	PLATFORM	845 SF
B106	STORAGE	118 SF
B107	CHAIR STORAGE	148 SF
B108	GYMNASIUM	6377 SF
B109	PE OFFICE	129 SF
B110	PE STORAGE	272 SF
B111	OUTDOOR STORAGE	467 SF
B112	MECHANICAL	1212 SF
B113	ELECTRICAL	167 SF
B114	COOLER / FREEZER	331 SF
B115	WARE WASHING	254 SF
B116	SERVING AREA	216 SF
B117	KITCHEN	1241 SF
B118	OFFICE	81 SF
B119	RESTROOM	53 SF
B120	CORRIDOR	350 SF
B121	DRY FOOD STORAGE	204 SF
B122	CUSTODIAL	75 SF
B123	OFFICE	108 SF
B124	CORRIDOR	372 SF
B125	CORRIDOR	488 SF
B126	ELECTRICAL	57 SF
B126	Room	Not Placed
B127	STORAGE	81 SF
B128	CORRIDOR	314 SF

GENERAL NOTE:

1. REFER TO DRAWING P1.1 FOR GENERAL DRAWING NOTES WHICH APPLY TO THIS DRAWING.



UNIT B - FOUNDATION PLUMBING PLAN

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

P2.2 & P4.2 PLAN NOTES

1 2" WASTE FROM ABOVE.
2 2" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
3 4" WASTE FROM ABOVE.
4 3" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
5 2" VENT UP.
6 1/2" HOT AND COLD WATER DOWN; 2" WASTE DOWN - 2" VENT UP.
7 2-1/2" GAS DOWN. PROVIDE GAS COCK, DIRT LEG AND FINAL CONNECT TO BOILER.
8 REFER TO SITE PLAN FOR CONTINUATION.
9 GAS PRESSURE REGULATOR FROM HIGH PRESSURE TO 2 PSI BY GAS COMPANY.
10 NATURAL GAS REGULATOR 2 PSI TO 11" W.C. AT 3,000 MBH. EXTEND VENT TO THE EXTERIOR OF BUILDING.
11 NATURAL GAS REGULATOR 2 PSI TO 11" W.C. AT 1,797 MBH. EXTEND VENT TO THE EXTERIOR OF BUILDING.
12 NATURAL GAS REGULATOR 2 PSI TO 11" W.C. AT 392.3 EXTEND VENT TO THE EXTERIOR OF BUILDING.
13 NATURAL GAS REGULATOR 2 PSI TO 11" W.C. AT 995 MBH. EXTEND VENT TO THE EXTERIOR OF BUILDING.
14 2' UNDERGROUND GAS LINE TO BE RAN TO EMERGENCY GENERATOR. PROVIDE GAS COCK, DIRT LEG AND FINAL CONNECT TO GENERATOR.
15 REFER TO SITE/CIVIL DRAWINGS FOR EXTERIOR CALLOUT DETAIL.
16 6" STORM PIPING FROM ABOVE.
17 INCOMING DOMESTIC WATER PIPING TO 12" AFF.
18 INCOMING FIRE PROTECTION PIPING TO 12" AFF.
19 FIRE PROTECTION PIPING OUT TO FIRE DEPARTMENT CONNECTION. (FDC).
20 REFER TO DETAIL ON SHEET P3.2 FOR WATER HEATER PIPING.
21 REFER TO DETAIL ON SHEET P3.2 FOR WATER SOFTENER DETAIL.
22 8" FLUE AND VENT UP THROUGH ROOF. REFER TO DETAILS ON SHEET P3.2

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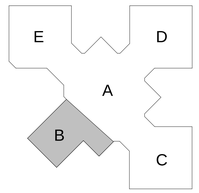

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT

DRAWN BY: TCL

PROJECT NUMBER: 219124.00

PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

UNIT B - FOUNDATION PLUMBING PLAN

P2.2

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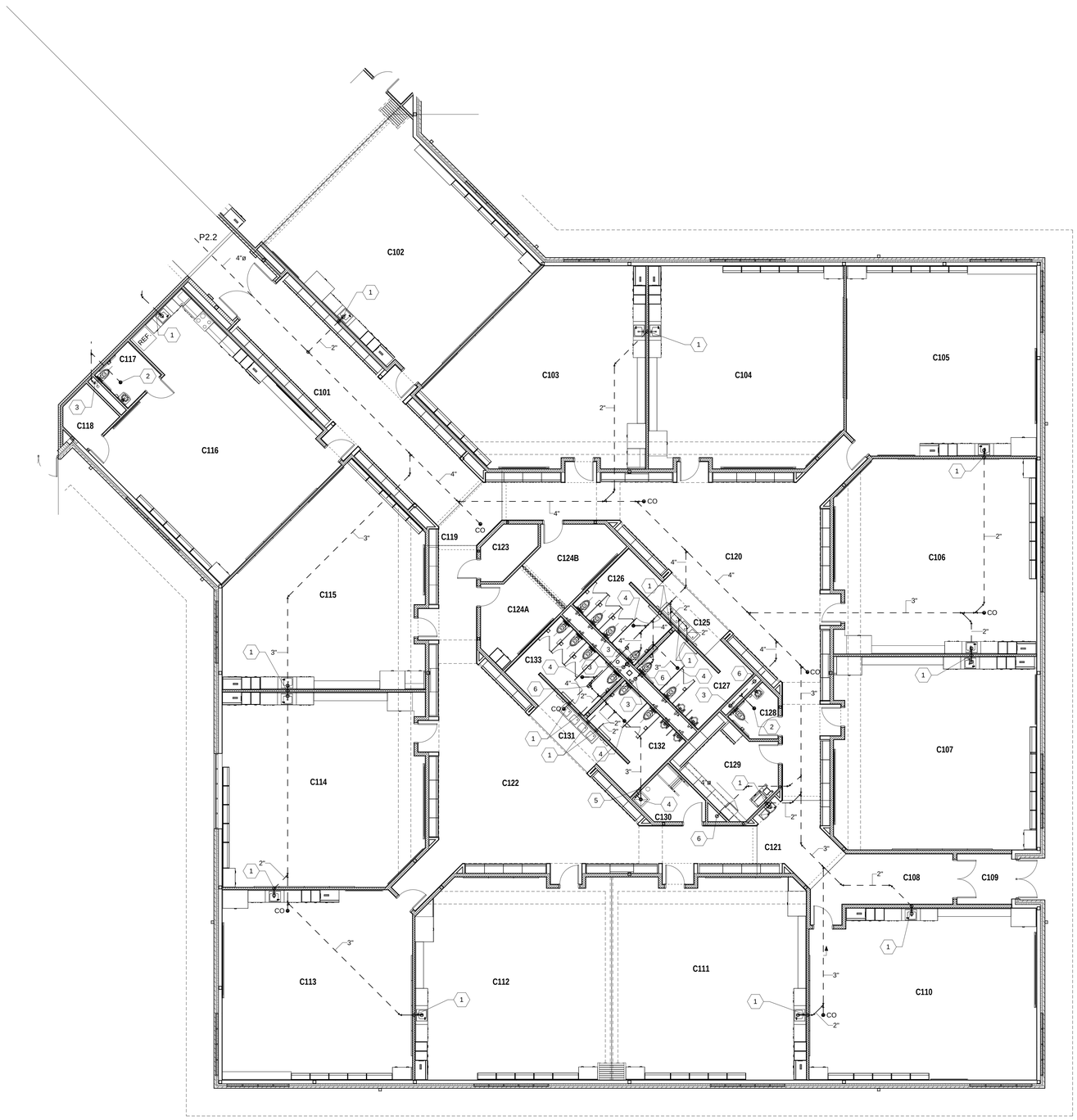
ROOM LEGEND - FIRST FLOOR UNIT C		
ROOM NO.	ROOM NAME	AREA (SF)
C101	CORRIDOR	597 SF
C102	PROJECT / LGI	971 SF
C103	CLASSROOM	897 SF
C104	CLASSROOM	976 SF
C105	CLASSROOM	911 SF
C106	CLASSROOM	976 SF
C107	CLASSROOM	983 SF
C108	CORRIDOR	182 SF
C109	VESTIBULE	70 SF
C110	CLASSROOM	974 SF
C111	CLASSROOM	990 SF
C112	CLASSROOM	982 SF
C113	CLASSROOM	911 SF
C114	CLASSROOM	975 SF
C115	CLASSROOM	898 SF
C116	SPECIAL EDUCATION RESOURCE	946 SF
C117	RESTROOM	56 SF
C118	QUIET ROOM	54 SF
C119	CORRIDOR	78 SF
C120	COMMONS	1165 SF
C121	CORRIDOR	143 SF
C122	COMMONS	1165 SF
C123	TECHNOLOGY CLOSET	61 SF
C124A	SMALL GROUP ROOM	131 SF
C124B	SMALL GROUP ROOM	131 SF
C125	RESTROOM VESTIBULE	72 SF
C126	GIRL'S RESTROOM	146 SF
C127	BOY'S RESTROOM	146 SF
C128	RESTROOM	47 SF
C129	WORKROOM	178 SF
C130	CUSTODIAL CLOSET	68 SF
C131	RESTROOM VESTIBULE	72 SF
C132	BOY'S RESTROOM	146 SF
C133	GIRL'S RESTROOM	146 SF



UNIT C - FOUNDATION PLUMBING PLAN

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

GENERAL NOTE:

1. REFER TO DRAWING P1.1 FOR GENERAL DRAWING NOTES WHICH APPLY TO THIS DRAWING.

P2.3 PLAN NOTES

1 2" WASTE FROM ABOVE.
2 2" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
3 4" WASTE FROM ABOVE.
4 3" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
5 2" VENT UP.
6 4" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.

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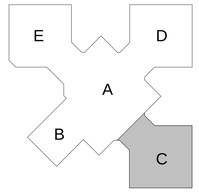

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT
DRAWN BY: TCL
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

UNIT C - FOUNDATION PLUMBING PLAN

P2.3

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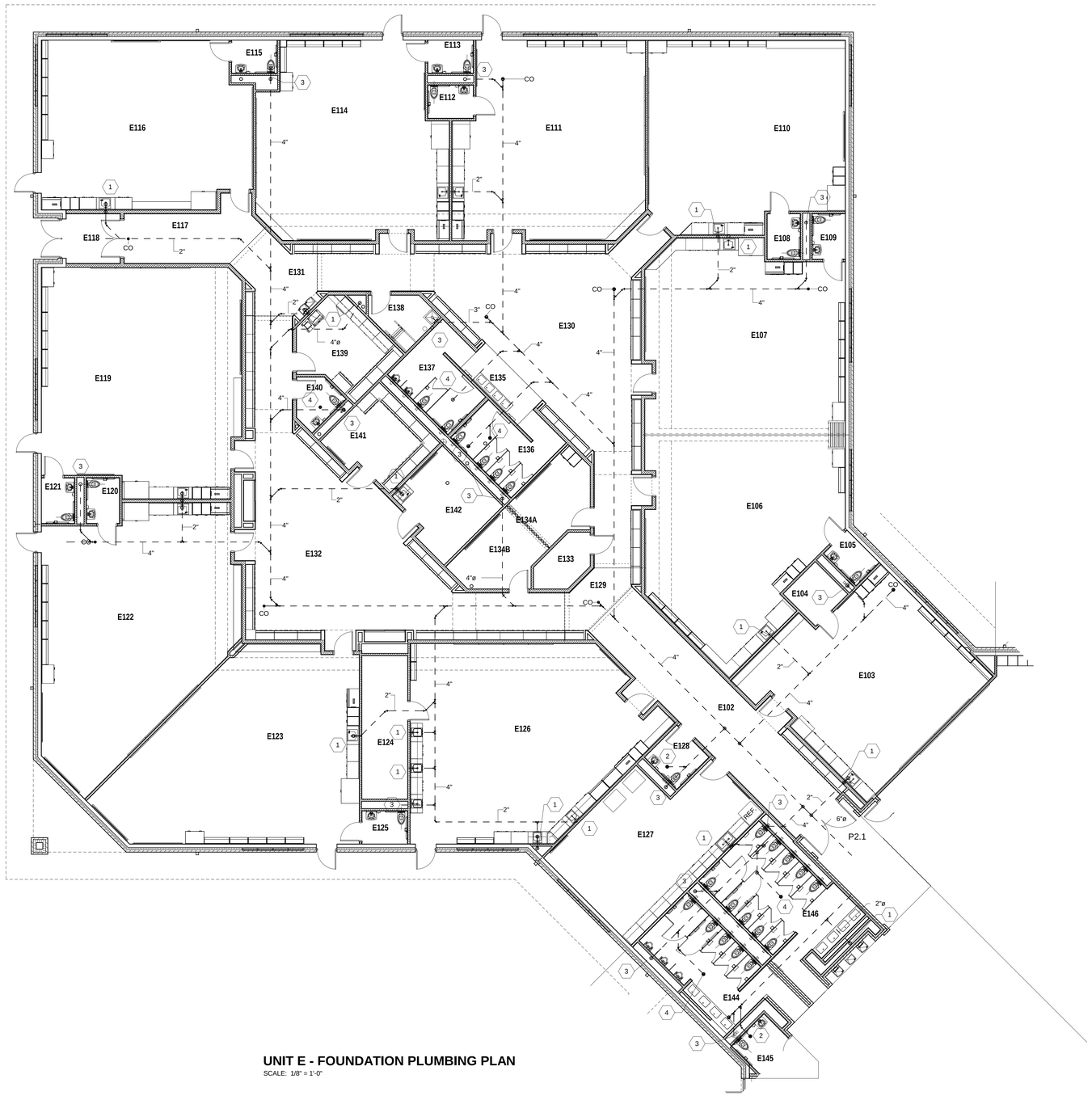
ROOM LEGEND - FIRST FLOOR UNIT E		
ROOM NO.	ROOM NAME	AREA (SF)
E101	CORRIDOR	216 SF
E102	CORRIDOR	529 SF
E103	SPECIAL EDUCATION	789 SF
E104	QUIET ROOM	54 SF
E105	RESTROOM	39 SF
E106	CLASSROOM	942 SF
E107	CLASSROOM	954 SF
E108	RESTROOM	39 SF
E109	RESTROOM	39 SF
E110	CLASSROOM	942 SF
E111	KINDERGARTEN CLASSROOM	938 SF
E112	KINDERGARTEN RESTROOM	39 SF
E113	KINDERGARTEN RESTROOM	39 SF
E114	KINDERGARTEN CLASSROOM	907 SF
E115	KINDERGARTEN RESTROOM	39 SF
E116	KINDERGARTEN CLASSROOM	888 SF
E117	CORRIDOR	179 SF
E118	VESTIBULE	70 SF
E119	KINDERGARTEN CLASSROOM	1139 SF
E120	KINDERGARTEN RESTROOM	39 SF
E121	KINDERGARTEN RESTROOM	39 SF
E122	KINDERGARTEN CLASSROOM	1132 SF
E123	KINDERGARTEN CLASSROOM	1066 SF
E124	STORAGE	171 SF
E125	KINDERGARTEN RESTROOM	39 SF
E126	SCIENCE	1089 SF
E127	TEACHER'S LOUNGE	533 SF
E128	RESTROOM	54 SF
E129	CORRIDOR	83 SF
E130	COMMONS	1155 SF
E131	CORRIDOR	142 SF
E132	COMMONS	1136 SF
E133	TECHNOLOGY CLOSET	61 SF
E134A	SMALL GROUP ROOM	131 SF
E134B	SMALL GROUP ROOM	131 SF
E135	RESTROOM VESTIBULE	74 SF
E136	GIRL'S RESTROOM	146 SF
E137	BOY'S RESTROOM	146 SF
E138	CUSTODIAL CLOSET	68 SF
E139	WORKROOM	178 SF
E140	RESTROOM	47 SF
E141	WORKROOM	171 SF
E142	SMALL GROUP ROOM	171 SF
E144	MEN'S RESTROOM	255 SF
E145	FAMILY RESTROOM	63 SF
E146	WOMEN'S RESTROOM	333 SF



UNIT E - FOUNDATION PLUMBING PLAN

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

GENERAL NOTE:

1. REFER TO DRAWING P1.1 FOR GENERAL DRAWING NOTES WHICH APPLY TO THIS DRAWING.

P2.5 PLAN NOTES

1 2" WASTE FROM ABOVE.
2 2" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
3 4" WASTE FROM ABOVE.
4 3" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
5 2" VENT UP.
6 4" WASTE WITH DEAP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
7 4" WASTE DOWN.

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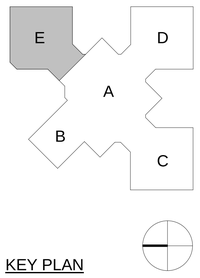

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT
DRAWN BY: TCL
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

UNIT E - FOUNDATION PLUMBING PLAN

P2.5

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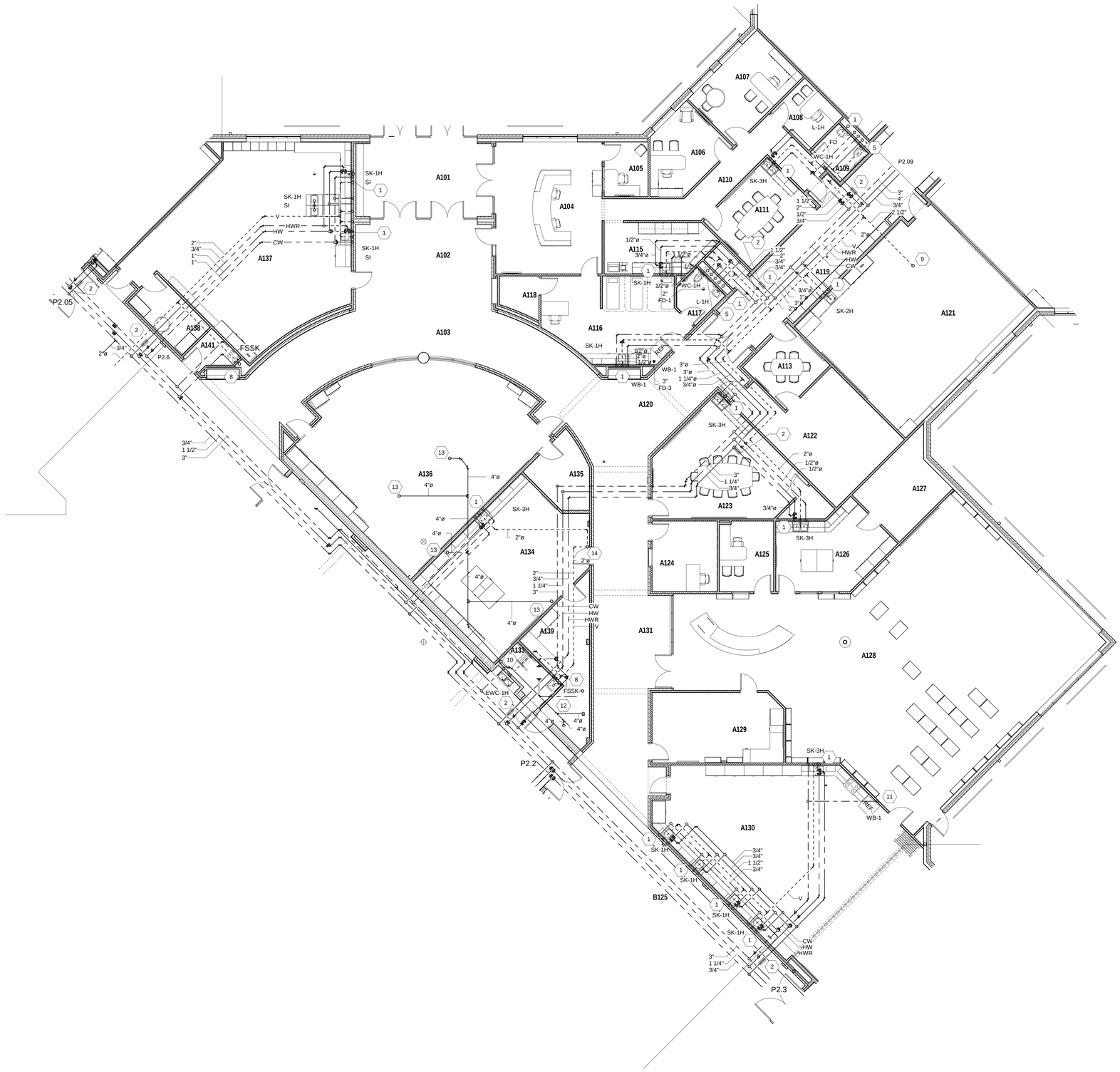
ROOM LEGEND - FIRST FLOOR UNIT A		
ROOM NO.	ROOM NAME	AREA (SF)
A101	VESTIBULE	341 SF
A102	LOBBY	366 SF
A103	CORRIDOR	925 SF
A104	RECEPTION AREA	470 SF
A105	OFFICE	80 SF
A106	ASSISTANT PRINCIPAL'S OFFICE	166 SF
A107	PRINCIPAL'S OFFICE	214 SF
A108	OFFICE	87 SF
A109	RESTROOM	56 SF
A110	CORRIDOR	230 SF
A111	CONFERENCE ROOM	208 SF
A112	STORAGE	34 SF
A113	GUIDANCE CONFERENCE ROOM	127 SF
A115	WORKROOM	175 SF
A116	CLINIC	366 SF
A117	RESTROOM	54 SF
A118	STORAGE	48 SF
A119	CORRIDOR	488 SF
A120	CORRIDOR	289 SF
A121	CLASSROOM	956 SF
A122	GUIDANCE COUNCELOR'S OFFICE	377 SF
A123	CONFERENCE ROOM	433 SF
A124	SPEECH AND HEARING	154 SF
A125	OFFICE	127 SF
A126	WORKROOM	261 SF
A127	STORAGE	180 SF
A128	MEDIA CENTER	2434 SF
A129	STORAGE	305 SF
A130	PROJECT	1039 SF
A131	CORRIDOR	706 SF
A133	CUSTODIAL CLOSET	60 SF
A134	WORKROOM	600 SF
A135	STORAGE	112 SF
A136	MUSIC	1162 SF
A137	ART	1105 SF
A138	STORAGE / KILN	102 SF
A139	PUBLICATION	222 SF
A140	STORAGE	35 SF
A141	JANITOR CLOSET	43 SF



GENERAL NOTE:

1. REFER TO DRAWING P1.1 FOR GENERAL DRAWING NOTES WHICH APPLY TO THIS DRAWING.

P2.6 PLAN NOTES

1. 1/2" HOT AND COLD WATER DOWN; 2" WASTE DOWN - 2" VENT UP.
2. HOT WATER RETURN BALANCING STATION. SEE DETAIL ON DRAWING P3.2.
3. 3/4" COLD WATER DOWN.
4. NON-FREEZE WALL HYDRANT (WH-1) MOUNT AT +18' ABOVE FINISHED GROUND.
5. 4" WASTE DOWN, 2" VENT UP.
6. 4" WASTE DOWN, CONNECT TO HORIZONAL PIPING IN CHASE.
7. 1-1/2" VENT UP.
8. 3/4" HOT AND COLD WATER DOWN; 3" WASTE DOWN - 2" VENT.
9. 2-1/2" VENT UP TO 3" VENT-THRU-ROOF.
10. 1/2" COLD WATER DOWN; 2" WASTE DOWN - 2" VENT.
11. 1/2" COLD WATER DOWN.
12. MAKEUP WATER CONNECTION FOR COMPUTER ROOM AIR CONDITIONING UNIT. COORDINATE WITH DIVISION 23 CONTRACTOR.
13. 4" WASTE DOWN WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
14. 2" VENT UP TO MEZZANINE ABOVE.

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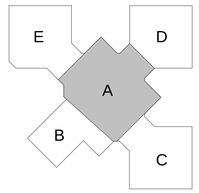

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT

DRAWN BY: TCL

PROJECT NUMBER: 219124.00

PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

UNIT A - FIRST FLOOR PLUMBING PLAN

P2.6

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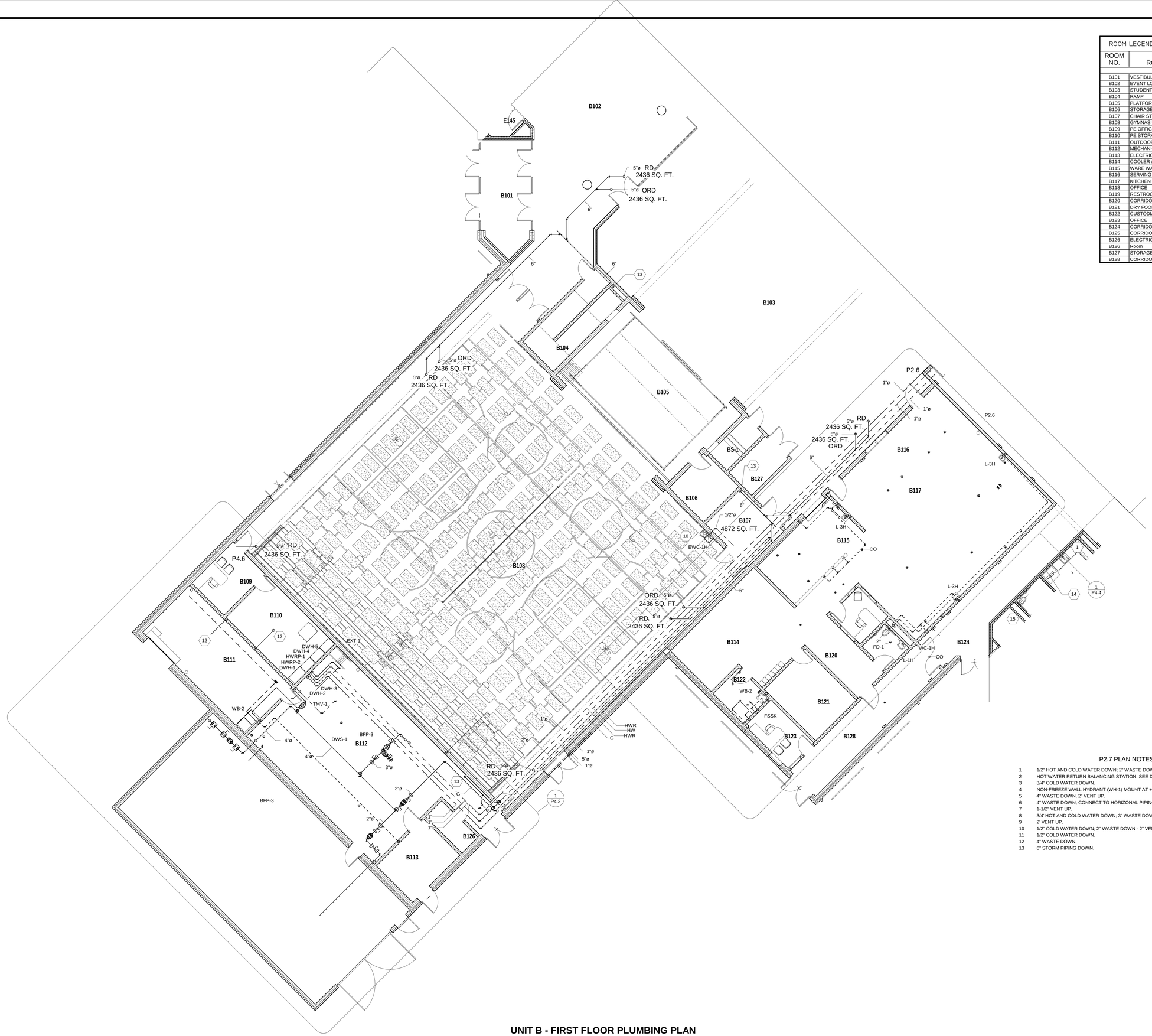
ROOM LEGEND - FIRST FLOOR UNIT B		
ROOM NO.	ROOM NAME	AREA (SF)
B101	VESTIBULE	270 SF
B102	EVENT LOBBY	1567 SF
B103	STUDENT DINING	3444 SF
B104	RAMP	199 SF
B105	PLATFORM	845 SF
B106	STORAGE	118 SF
B107	CHAIR STORAGE	148 SF
B108	GYMNASIUM	6377 SF
B109	PE OFFICE	129 SF
B110	PE STORAGE	272 SF
B111	OUTDOOR STORAGE	467 SF
B112	MECHANICAL	1212 SF
B113	ELECTRICAL	167 SF
B114	COOLER / FREEZER	331 SF
B115	WARE WASHING	254 SF
B116	SERVING AREA	216 SF
B117	KITCHEN	1241 SF
B118	OFFICE	81 SF
B119	RESTROOM	53 SF
B120	CORRIDOR	350 SF
B121	DRY FOOD STORAGE	204 SF
B122	CUSTODIAL	75 SF
B123	OFFICE	108 SF
B124	CORRIDOR	372 SF
B125	CORRIDOR	488 SF
B126	ELECTRICAL	57 SF
B126	Room	Not Placed
B127	STORAGE	81 SF
B128	CORRIDOR	314 SF



P2.7 PLAN NOTES

1. 1/2" HOT AND COLD WATER DOWN; 2" WASTE DOWN - 2" VENT.
2. HOT WATER RETURN BALANCING STATION. SEE DETAIL ON DRAWING P3.2.
3. 3/4" COLD WATER DOWN.
4. NON-FREEZE WALL HYDRANT (WH-1) MOUNT AT +18' ABOVE FINISHED GROUND.
5. 4" WASTE DOWN, 2" VENT UP.
6. 4" WASTE DOWN, CONNECT TO HORIZONAL PIPING IN CHASE.
7. 1-1/2" VENT UP.
8. 3/4' HOT AND COLD WATER DOWN; 3" WASTE DOWN - 2" VENT.
9. 2' VENT UP.
10. 1/2" COLD WATER DOWN; 2" WASTE DOWN - 2" VENT.
11. 1/2" COLD WATER DOWN.
12. 4" WASTE DOWN.
13. 6" STORM PIPING DOWN.

UNIT B - FIRST FLOOR PLUMBING PLAN

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

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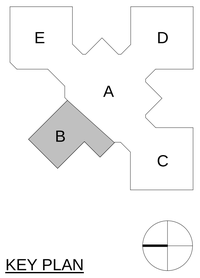

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT

DRAWN BY: TCL

PROJECT NUMBER: 219124.00

PROJECT ISSUE DATE: JUNE 5, 2020

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2	ADDENDUM #2	6/29/20

UNIT B - FIRST FLOOR PLUMBING PLAN

P2.7

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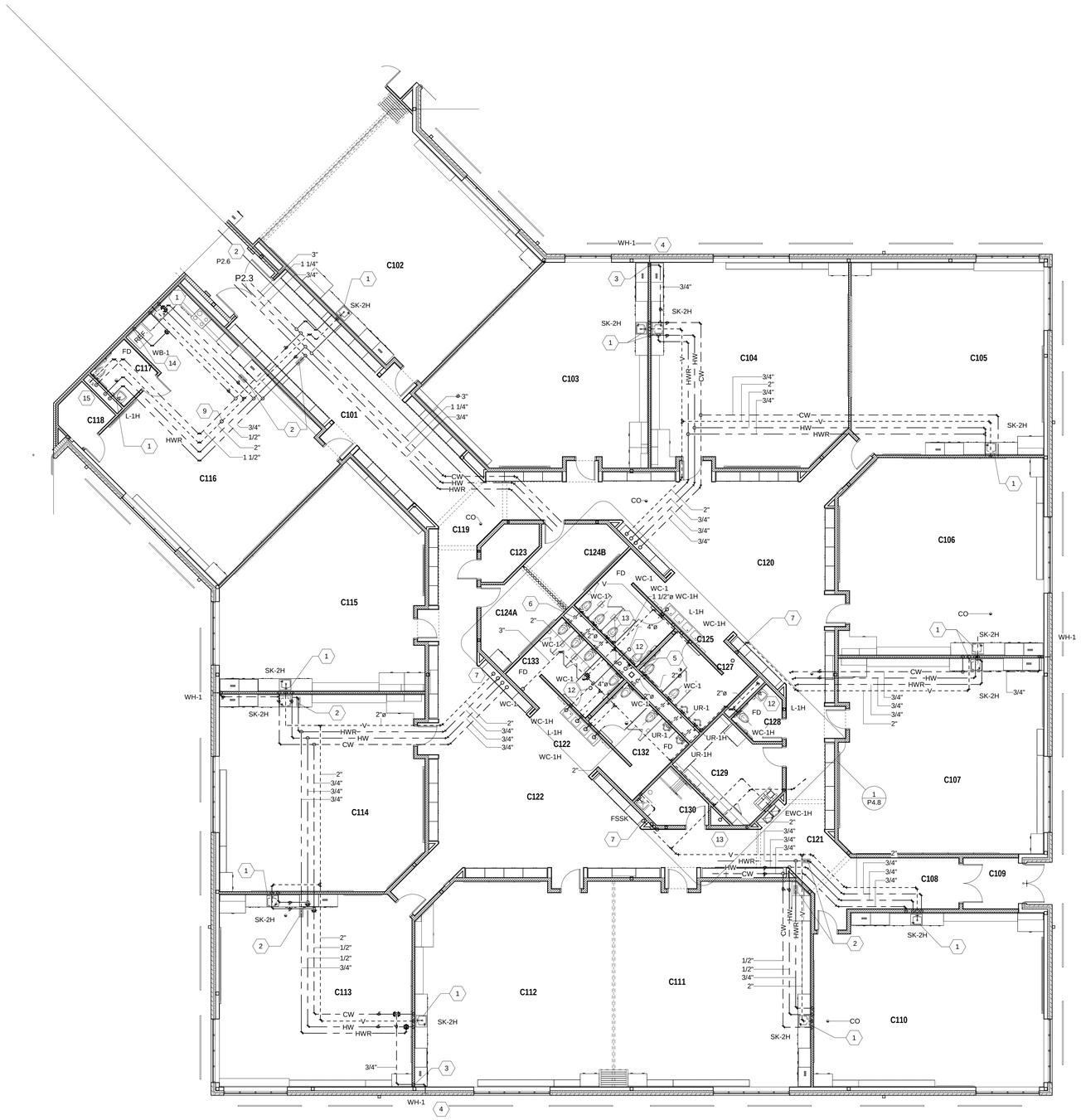
ROOM LEGEND - FIRST FLOOR UNIT C		
ROOM NO.	ROOM NAME	AREA (SF)
C101	CORRIDOR	597 SF
C102	PROJECT / LGI	971 SF
C103	CLASSROOM	897 SF
C104	CLASSROOM	976 SF
C105	CLASSROOM	911 SF
C106	CLASSROOM	976 SF
C107	CLASSROOM	983 SF
C108	CORRIDOR	182 SF
C109	VESTIBULE	70 SF
C110	CLASSROOM	974 SF
C111	CLASSROOM	990 SF
C112	CLASSROOM	982 SF
C113	CLASSROOM	911 SF
C114	CLASSROOM	975 SF
C115	CLASSROOM	898 SF
C116	SPECIAL EDUCATION RESOURCE	946 SF
C117	RESTROOM	56 SF
C118	QUIET ROOM	54 SF
C119	CORRIDOR	78 SF
C120	COMMONS	1165 SF
C121	CORRIDOR	143 SF
C122	COMMONS	1165 SF
C123	TECHNOLOGY CLOSET	61 SF
C124A	SMALL GROUP ROOM	131 SF
C124B	SMALL GROUP ROOM	131 SF
C125	RESTROOM VESTIBULE	72 SF
C126	GIRL'S RESTROOM	146 SF
C127	BOY'S RESTROOM	146 SF
C128	RESTROOM	47 SF
C129	WORKROOM	178 SF
C130	CUSTODIAL CLOSET	68 SF
C131	RESTROOM VESTIBULE	72 SF
C132	BOY'S RESTROOM	146 SF
C133	GIRL'S RESTROOM	146 SF



GENERAL NOTE:

1. REFER TO DRAWING P1.1 FOR GENERAL DRAWING NOTES WHICH APPLY TO THIS DRAWING.

P2.8 PLAN NOTES

1 1/2" HOT AND COLD WATER DOWN; 2" WASTE DOWN - 2" VENT.
2 HOT WATER RETURN BALANCING STATION. SEE DETAIL ON DRAWING P3.2.
3 3/4" COLD WATER DOWN.
4 NON-FREEZE WALL HYDRANT (WH-1) MOUNT AT +18' ABOVE FINISHED GROUND.
5 4" WASTE DOWN, 2" VENT UP.
6 4" WASTE DOWN, CONNECT TO HORIZONAL PIPING IN CHASE.
7 2" VENT UP.
8 3/4' HOT AND COLD WATER DOWN; 3" WASTE DOWN - 2" VENT.
9 2' VENT UP TO 3" VENT-THRU-ROOF.
10 1/2" COLD WATER DOWN; 1-1/2" WASTE DOWN - 2" VENT.
11 1/2" COLD WATER DOWN.
12 4" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
13 4" WASTE DOWN.
14 1-1/2" COLD WATER DOWN. 1" WASTE DOWN, 2" VENT UP.

UNIT C - FIRST FLOOR PLUMBING PLAN

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

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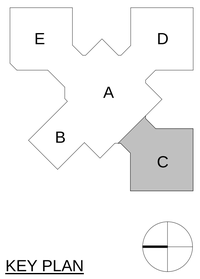

KEY PLAN

CONSTRUCTION DOCUMENTS

TIMOTHY C. LEHMAN REGISTERED No. PE 19801047 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: TCL
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

UNIT C - FIRST FLOOR PLUMBING PLAN

P2.8

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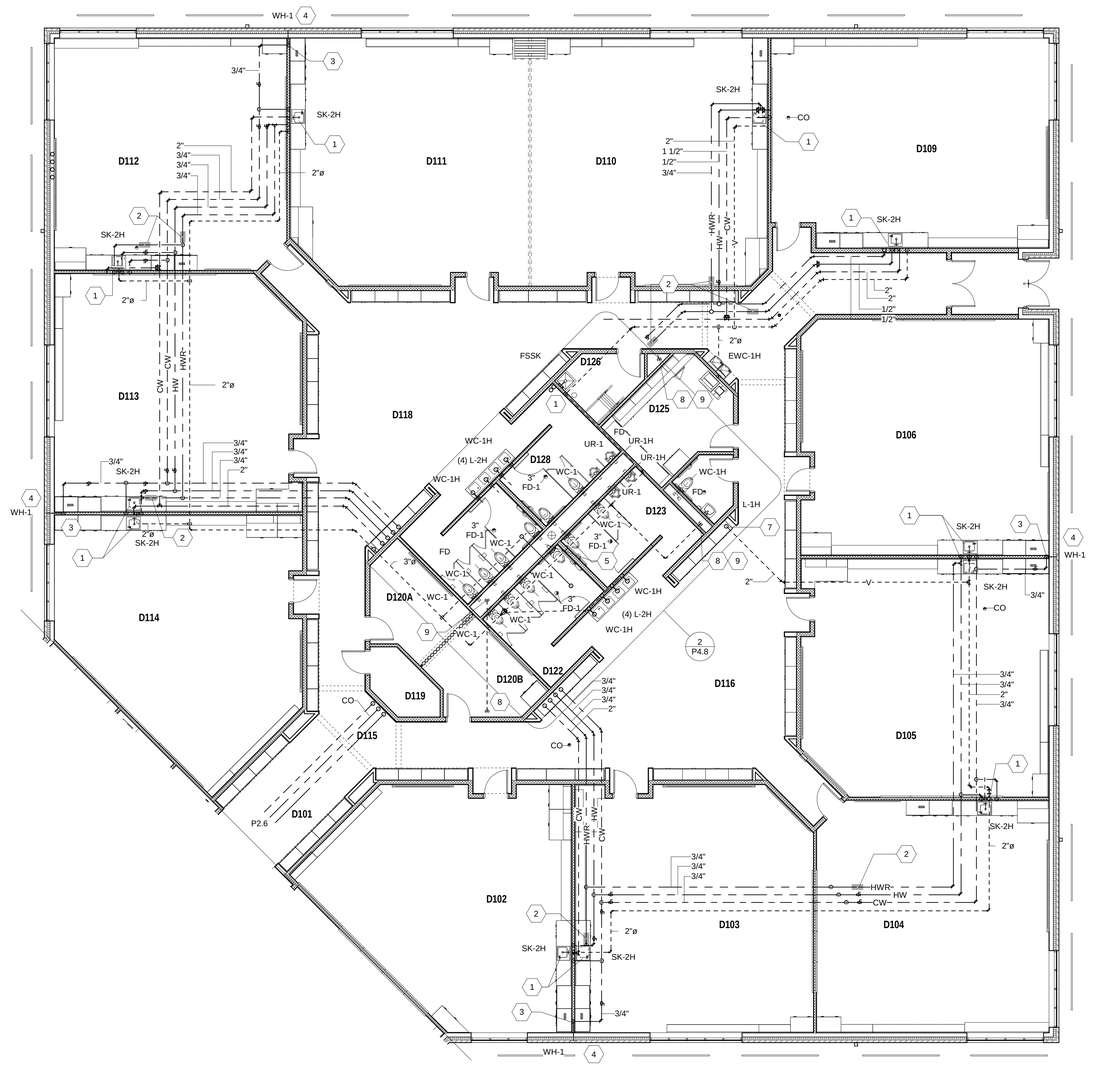
ROOM LEGEND - FIRST FLOOR UNIT D		
ROOM NO.	ROOM NAME	AREA (SF)
D101	CORRIDOR	216 SF
D102	CLASSROOM	897 SF
D103	CLASSROOM	976 SF
D104	CLASSROOM	911 SF
D105	CLASSROOM	976 SF
D106	CLASSROOM	983 SF
D107	CORRIDOR	182 SF
D108	VESTIBULE	70 SF
D109	CLASSROOM	974 SF
D110	CLASSROOM	990 SF
D111	CLASSROOM	982 SF
D112	CLASSROOM	911 SF
D113	CLASSROOM	975 SF
D114	CLASSROOM	898 SF
D115	CORRIDOR	88 SF
D116	COMMONS	1160 SF
D117	CORRIDOR	143 SF
D118	COMMONS	1160 SF
D119	TECHNOLOGY CLOSET	61 SF
D120A	SMALL GROUP ROOM	131 SF
D120B	SMALL GROUP ROOM	131 SF
D121	RESTROOM VESTIBULE	72 SF
D122	GIRL'S RESTROOM	146 SF
D123	BOY'S RESTROOM	146 SF
D124	RESTROOM	47 SF
D125	WORKROOM	178 SF
D126	CUSTODIAL CLOSET	68 SF
D127	RESTROOM VESTIBULE	72 SF
D128	BOY'S RESTROOM	146 SF
D129	GIRL'S RESTROOM	146 SF



UNIT D - FIRST FLOOR PLUMBING PLAN

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

GENERAL NOTE:

1. REFER TO DRAWING P1.1 FOR GENERAL DRAWING NOTES WHICH APPLY TO THIS DRAWING.

P2.9 PLAN NOTES

1. 1/2" HOT AND COLD WATER DOWN; 2" WASTE DOWN - 2" VENT.
2. HOT WATER RETURN BALANCING STATION. SEE DETAIL ON DRAWING P3.2.
3. 3/4" COLD WATER DOWN.
4. NON-FREEZE WALL HYDRANT (WH-1) MOUNT AT +18' ABOVE FINISHED GROUND.
5. 4" WASTE DOWN, 2" VENT UP.
6. 4" WASTE DOWN, CONNECT TO HORIZONAL PIPING IN CHASE.
7. 2" VENT UP.
8. 4" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
9. 4" WASTE DOWN.
10. 3" VENT UP TO MEZZANINE ABOVE.

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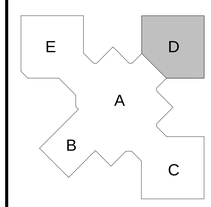

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT
DRAWN BY: TCL
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

UNIT D - FIRST FLOOR PLUMBING PLAN

P2.9

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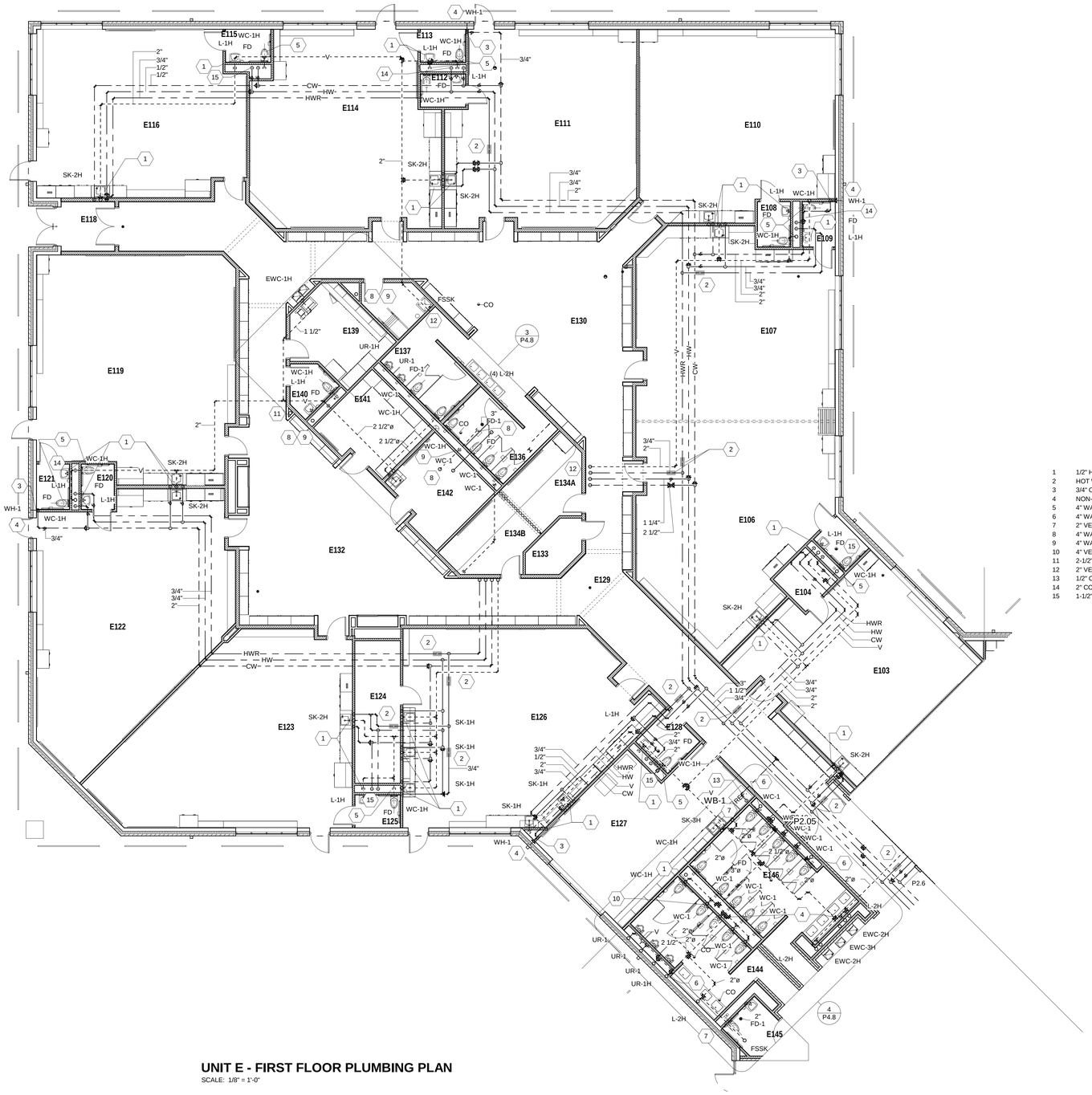
ROOM LEGEND - FIRST FLOOR UNIT E		
ROOM NO.	ROOM NAME	AREA (SF)
E101	CORRIDOR	216 SF
E102	CORRIDOR	529 SF
E103	SPECIAL EDUCATION	789 SF
E104	QUIET ROOM	54 SF
E105	RESTROOM	39 SF
E106	CLASSROOM	942 SF
E107	CLASSROOM	954 SF
E108	RESTROOM	39 SF
E109	RESTROOM	39 SF
E110	CLASSROOM	942 SF
E111	KINDERGARTEN CLASSROOM	938 SF
E112	KINDERGARTEN RESTROOM	39 SF
E113	KINDERGARTEN RESTROOM	39 SF
E114	KINDERGARTEN CLASSROOM	907 SF
E115	KINDERGARTEN RESTROOM	39 SF
E116	KINDERGARTEN CLASSROOM	888 SF
E117	CORRIDOR	179 SF
E118	VESTIBULE	70 SF
E119	KINDERGARTEN CLASSROOM	1139 SF
E120	KINDERGARTEN RESTROOM	39 SF
E121	KINDERGARTEN RESTROOM	39 SF
E122	KINDERGARTEN CLASSROOM	1132 SF
E123	KINDERGARTEN CLASSROOM	1066 SF
E124	STORAGE	171 SF
E125	KINDERGARTEN RESTROOM	39 SF
E126	SCIENCE	1089 SF
E127	TEACHER'S LOUNGE	533 SF
E128	RESTROOM	54 SF
E129	CORRIDOR	83 SF
E130	COMMONS	1155 SF
E131	CORRIDOR	142 SF
E132	COMMONS	1136 SF
E133	TECHNOLOGY CLOSET	61 SF
E134A	SMALL GROUP ROOM	131 SF
E134B	SMALL GROUP ROOM	131 SF
E135	RESTROOM VESTIBULE	74 SF
E136	GIRL'S RESTROOM	146 SF
E137	BOY'S RESTROOM	146 SF
E138	CUSTODIAL CLOSET	68 SF
E139	WORKROOM	178 SF
E140	RESTROOM	47 SF
E141	WORKROOM	171 SF
E142	SMALL GROUP ROOM	171 SF
E144	MEN'S RESTROOM	255 SF
E145	FAMILY RESTROOM	63 SF
E146	WOMEN'S RESTROOM	333 SF



UNIT E - FIRST FLOOR PLUMBING PLAN

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

GENERAL NOTE:

1. REFER TO DRAWING P1.1 FOR GENERAL DRAWING NOTES WHICH APPLY TO THIS DRAWING.

P2.10 PLAN NOTES

1. 1/2" HOT AND COLD WATER DOWN; 2" WASTE DOWN - 2" VENT.
2. HOT WATER RETURN BALANCING STATION. SEE DETAIL ON DRAWING P3.2.
3. 3/4" COLD WATER DOWN.
4. NON-FREEZE WALL HYDRANT (WH-1) MOUNT AT +18' ABOVE FINISHED GROUND.
5. 4" WASTE DOWN, 2" VENT UP.
6. 4" WASTE DOWN, CONNECT TO HORIZONAL PIPING IN CHASE.
7. 2" VENT UP.
8. 4" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
9. 4" WASTE DOWN.
10. 4" VENT UP TO 4" VENT-THRU-ROOF.
11. 2-1/2" VENT UP TO MEZZANINE ABOVE.
12. 2" VENT UP TO MEZZANINE ABOVE.
13. 1/2" COLD WATER DOWN.
14. 2" COLD WATER, 3/4" HOT WATER DOWN.
15. 1-1/2" COLD WATER, 1/2" HOT WATER DOWN.

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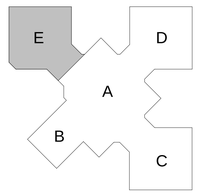

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT
DRAWN BY: TCL
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

UNIT E - FIRST FLOOR PLUMBING PLAN

P2.10

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PLUMBING FIXTURE SCHEDULE NOTES

1. PROVIDE CHAIR CARRIER SUPPORT.
2. PROVIDE CHAIR CARRIER SUPPORT, HAND FLUSH CONTROLS FOR FLUSH VALVES TO SERVE THE PHYSICALLY HANDICAPPED SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREAS NO MORE THAN 44 INCHES ABOVE THE FLOOR TO CENTERLINE OF THE TRIP LEVER.
3. PROVIDE URINAL CARRIER SUPPORT.
4. PROVIDE URINAL CARRIER SUPPORTS, HAND FLUSH CONTROLS FOR FLUSH VALVES DESIGNATED TO SERVE THE PHYSICALLY HANDICAPPED SHALL BE MOUNTED NO HIGHER THAN 44 INCHES ABOVE THE FLOOR TO CENTERLINE OF TRIP LEVER.
5. PROVIDE LAVATORY CARRIER SUPPORT, PROVIDE FLEXIBLE RISER, LOOSE KEY STOP WALL SUPPLIES, OFFSET TAILPIECE, GRID DRAIN ASSEMBLY WITH STRAINER, INSULATE WATER AND DRAIN SUPPLIES WITH McGUIRE "PROWRAP", PROVIDE MINIMUM 29" KNEE CLEARANCE FOR HANDICAPPED ACCESSIBILITY.
6. SELF-RIMMING COUNTERTOP INSERT, SINGLE/DOUBLE COMPARTMENT, 18 GAUGE STAINLESS STEEL, THREE HOLE PUNCHING ON 8" CENTERS, STANDARD DUO-STRAINER WITH TAILPIECE;17 GAUGE TWO PIECE ADJUSTABLE "P" TRAP WITH CLEANOUT WITH ESCUTCHEON AND ANGLE STOPS WITH SUPPLY TUBING. 5-1/2" DEEP. CENTER REAR DRAINS.
7. PROVIDE VINYL BUMPER GAURD, VACUUM BREAKER, BUCKET HOOK, WALL BRACE, 3/4" HOSE THREAD ON SPOUT, 36" LONG HEAVY-DUTY CLOTH REINFORCED HOSE, STEEL MOP HANGER WITH THREE TOOL GRIPS,AND SILICONE SEALANT.
8. SELF-RIMMING COUNTERTOP INSERT, DOUBLE COMPARTMENT, 18 GAUGE STAINLESS STEEL, FOUR HOLE PUNCHING ON 8" CENTERS, STANDARD DUO-STRAINER WITH TAILPIECE; 17 GAUGE TWO PIECE ADJUSTABLE "P" TRAP WITH CLEANOUT WITH ESCUTCHEON AND ANGLE STOPS WITH SUPPLY TUBING. PROVIDE WITH THUMB SPRAY ATTACHMENT. 5-1/2" DEEP. CENTER REAR DRAINS.
9. REFER TO ARCHITECTURAL 'A-7' SERIES DRAWINGS FOR MOUNTING HEIGHT INFORMATION.
10. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
11. LAVATORY SYSTEM PROVIDED INTEGRAL TO COUNTERTOP, REFER TO A7 DRAWINGS FOR ADDITIONAL INFORMATION.
    PROVIDE FLEXIBLE RISER, LOOSE KEY STOP WALL SUPPLIES, OFFSET TAILPIECE, GRID DRAIN ASSEMBLY WITH STRAINER, FAUCET, TRIM, ETC. COORDINATE EXACT REQUIREMENTS WITH CASEWORK CONTRACTOR.
12. SELF-RIMMING COUNTERTOP INSERT, SINGLE COMPARTMENT, 18 GAUGE STAINLESS STEEL, THREE HOLE PUNCHING ON 8" CENTERS, AND SINGLE HOLE RIGHT FRONT FOR BUBBLER. STANDARD DUO-STRAINER WITH TAILPIECE; 17 GAUGE TWO PIECE ADJUSTABLE "P" TRAP WITH CLEANOUT WITH ESCUTCHEON AND ANGLE STOPS WITH SUPPLY TUBING. 5-1/2" DEEP. CENTER REAR DRAIN.

PLUMBING FIXTURE SCHEDULE

FIXTURE							TRIM			ACCESSORIES							
MARK	ITEM	MFGR.	MODEL	TYPE	MATERIAL	COLOR	ITEM	MFGR.	MODEL	ITEM	MFGR.	MODEL	CW	HW	W	V	COMMENTS
WC-1	WATER CLOSET	AMERICAN STANDARD	3351.101	WALL MTD.	VIT. CHINA	WHITE	FLUSH VALVE	SLOAN	ROYAL 111-SMO-1.6	SEAT	BEMIS	1655SSCT	1-1/2"	-	4"	2"	1 9 10 BATTERY OPERATED
WC-1H	WATER CLOSET	AMERICAN STANDARD	3351.101	WALL MTD.	VIT. CHINA	WHITE	FLUSH VALVE	SLOAN	ROYAL 111-SMO-1.6	SEAT	BEMIS	1655SSCT	1-1/2"	-	4"	2"	2 9 10 HANDICAPPED ACCESSIBLE BATTERY OPERATED
UR-1	URINAL	AMERICAN STANDARD	6590.001	WALL MTD.	VIT. CHINA	WHITE	FLUSH VALVE	SLOAN	ROYAL 186-0125	-	-	-	3/4"	-	2"	2"	3 9 10 BATTERY OPERATED
UR-1H	URINAL	AMERICAN STANDARD	6590.001	WALL MTD.	VIT. CHINA	WHITE	FLUSH VALVE	SLOAN	ROYAL 186-0125	-	-	-	3/4"	-	2"	2"	4 9 10 HANDICAPPED ACCESSIBLE BATTERY OPERATED
L-1H	LAVATORY	AMERICAN STANDARD	0355.012	WALL MTD.	VIT. CHINA	WHITE	FAUCET	CHICAGO	802-VE66XKABCP	TMV	POWERS	LFE 480	1/2"	1/2"	2"	1 1/2"	5 9 10 HANDICAPPED ACCESSIBLE
L-2H	LAVATORY SYSTEM	-	-	-	-	-	FAUCET	CHICAGO	EQ-A11B-23ABCP	-	-	-	1/2"	1/2"	2"	1 1/2"	10 11 HANDICAPPED ACCESSIBLE
L-3H	KITCHEN HAND SINK	ELKAY	ELV22191	WALL MTD.	STAINLESS STEEL	-	FAUCET	CHICAGO	EQ-A11B-23ABCP	-	-	-	1/2"	1/2"	2"	1 1/2"	5 9 10 HANDICAPPED ACCESSIBLE
EWC-1H	ELECTRIC WATER COOLER	ELKAY	LZSTLBWSSP	WALL MTD.	STAINLESS STEEL	-	BUBBLER	-	-	BOTTLE FILLER	-	-	1/2"	-	1 1/2"	1 1/2"	9 10 HANDICAPPED ACCESSIBLE
EWC-2	ELECTRIC WATER COOLER	ELKAY	LZSBWSSP	WALL MTD.	STAINLESS STEEL	-	BUBBLER	-	-	BOTTLE FILLER	-	-	1/2"	-	1 1/2"	1 1/2"	9 10 -
EWC-2H	ELECTRIC WATER COOLER	ELKAY	LZSBWSSP	WALL MTD.	STAINLESS STEEL	-	BUBBLER	-	-	BOTTLE FILLER	-	-	1/2"	-	1 1/2"	1 1/2"	9 10 HANDICAPPED ACCESSIBLE
EWC-3	ELECTRIC WATER COOLER	ELKAY	LZS8SF	WALL MTD.	STAINLESS STEEL	-	BUBBLER	-	-	-	-	-	1/2"	-	1 1/2"	1 1/2"	9 10 -
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SK-1H	SINGLE COMP. SINK	JUST	SL-ADA-2019-A-GR	COUNTERTOP	STAINLESS	-	FAUCET	CHICAGO	201-AGN8AE2805FAB	-	-	-	1/2"	1/2"	2"	1 1/2"	6 10 OFFSET DRAIN TO THE REAR HANDICAPPED ACCESSIBLE
SK-2H	SINGLE COMP. SINK	JUST	CRB-ADA-2022-A-GR	COUNTERTOP	STAINLESS	-	FAUCET	CHICAGO	201-AGN8AE2805FAB	BUBBLER	CHICAGO	748-665FHABCP	1/2"	1/2"	2"	1 1/2"	10 12 OFFSET DRAINS TO THE REAR HANDICAPPED ACCESSIBLE
SK-3H	DOUBLE COMP. SINK	JUST	DL-ADA-2133-A-GR	COUNTERTOP	STAINLESS	-	FAUCET	CHICAGO	201-AGN8AE2805FAB	-	-	-	1/2"	1/2"	2"	1 1/2"	8 10 OFFSET DRAINS TO THE REAR HANDICAPPED ACCESSIBLE
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FSSK	MOP SERVICE BASIN	FIAT	MSB-2424	FLOOR MTD.	MOLDED STONE	-	FAUCET	CHICAGO	897-CP	-	-	-	3/4"	3/4"	3"	1 1/2"	7 10 HANDICAPPED ACCESSIBLE
WB-1	WATER SUPPLY BOX	GUY GRAY	MIB1AB	RECESS	WHITE	-	-	-	-	-	-	-	1/2"	-	-	-	--
WB-2	WATER SUPPLY DRAIN BOX	GUY GRAY	MWB26	RECESS	WHITE	-	-	-	-	-	-	-	3/4"	3/4"	2"	1 1/2"	--
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	--
SI	SOLIDS INTERCEPTOR	ZURN	Z1180	CASEWORK	ACID RESISTANT COMPOSITE	-	-	-	-	-	-	-	-	-	2"	1 1/2"	10 --
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	--
WH-1	NON-FREEZE WALL HYDRANT	ZURN	Z1320-C	RECESSED	ROUGH BRONZE	-	-	-	-	-	-	-	3/4"	-	-	-	10 --
HB-1	HOSE BIBB	ZURN	Z1341	AS NOTED	ROUGH BRONZE	-	-	-	-	-	-	-	3/4"	-	-	-	10 --
HB-2	TWIN TEMPERATURE HOSE BIBB	ZURN	Z1327-EZ	RECESSED	HIGH POLISHED	-	-	-	-	-	-	-	3/4"	3/4"	-	-	10 --

PLUMBING EQUIPMENT SCHEDULE

						ELECTRICAL DATA					
MARK	DESCRIPTION	LOCATION	MANUFACTURER/ MODEL NUMBER	CAPACITY	REMARKS	HP	KW	V	AMP	PH	COMMENTS
DWH-1-5	DOMESTIC GAS FIRED WATERS HEATERS 1 - 5	MECH. ROOM	NAVIEN NPE-240S DWH-1 & 2 SERVE 140°HW, DWH-3, 4, & 5 SERVE 120°H W	5.7 GPM AT 67°RISE 199,900 BTUH MAX, 19,900 BTUH MIN 3.5" TO 10.5" W.C.	PIPE T&P DISCHARGE FULL SIZE TO FLOOR DRAIN. 3" DIA. FLUE VENT, 3" DIA. AIR INTAKE	200 W	-	115	-	1	97% THERMAL EFFICIENCY, 3/4" N.P.T. INLET AND OUTLET. PROVIDE HEATERS WITH DIAL PRESSURE & TEMPERATURE GAUGES.
HWRP-1	HOT WATER RETURN PUMP NO. 1 (120 DEG. F.)	MECH. ROOM	GRUNDFOS MAGNA3 40-120 F (120 DEGREE SYSTEM)	20 GPM @ 30' T.D.H.	ALL BRONZE CONSTRUCTION	448 W	-	115	-	1	-
HWRP-2	HOT WATER RETURN PUMP NO. 2 (140 DEG. F.)	MECH. ROOM	GRUNDFOS MAGNA3 40-120 F (140 DEGREE SYSTEM)	5 GPM @ 20' T.D.H.	ALL BRONZE CONSTRUCTION	448 W	-	115	-	1	-
BFP-1	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER NO. 1	MECH. ROOM	WATTS LF909-OSY W/ TWO INDEPENDENT SPRING LOADED POPPET TYPE CHECK VALVES (3")	150 GPM @ 12 PSI DROP MAX.	PIPE DISCHARGE FULL SIZE TO FLOOR DRAIN	-	-	-	-	-	MOUNT UNIT AT +48" A.F.F. MAX. TO CENTERLINE OF UNIT.
BFP-2	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER NO. 2	MECH. ROOM	WATTS LF919 W/ TWO INDEPENDENT SPRING LOADED POPPET TYPE CHECK VALVES (3/4")	15 GPM @ 10 PSI DROP MAX.	PIPE DISCHARGE FULL SIZE TO FLOOR DRAIN	-	-	-	-	-	MOUNT UNIT AT +48" A.F.F. MAX. TO CENTERLINE OF UNIT.
BFP-3	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER NO. 2	MECH. ROOM	WATTS LF919 W/ TWO INDEPENDENT SPRING LOADED POPPET TYPE CHECK VALVES (3/4")	15 GPM @ 10 PSI DROP MAX.	PIPE DISCHARGE FULL SIZE TO FLOOR DRAIN	-	-	-	-	-	MOUNT UNIT AT +48" A.F.F. MAX. TO CENTERLINE OF UNIT.
DCVA-1	DOUBLE CHECK VALVE ASSEMBLY	MECH. ROOM	WATTS 757DCDA-OSY (6") - FIRE PROTECTION	500 GPM @ 3 PSI DROP MAX.		-	-	-	-	-	MOUNT UNIT @ +48" A.F.F. TO CENTERLINE OF UNIT
EXT-1	120 DEGREE DOMESTIC HOT WATER EXPANSION TANK	MECH. ROOM	WILKINS XT-18	2.4 GAL. MAX. ACCEPT VOLUME 4.8 GAL. TOTAL VOLUME	-	-	-	-	-	-	
EXT-2	140 DEGREE DOMESTIC HOT WATER EXPANSION TANK	MECH. ROOM	WILKINS XT-18	2.4 GAL. MAX. ACCEPT VOLUME 4.8 GAL. TOTAL VOLUME	-	-	-	-	-	-	
DWS-1	DUPLEX DOMESTIC WATER SOFTENER	MECH. ROOM	AQUA SYSTEMS: MODEL NO. 2900NT14DXSF700	120 GPM CONTINUOUS FLOW RATE 170 GPM PEAK FLOW RATE. 420,000 GRAINS CAPACITY MAX.	PIPE BACKWASH PIPING TO FLOOR DRAIN	-	-	115	-	1	

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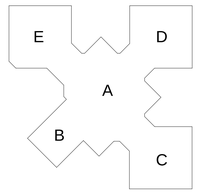

KEY PLAN

CONSTRUCTION DOCUMENTS

TIMOTHY C. LEHMAN REGISTERED No. PE 19800147 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: TCL
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

PLUMBING SCHEDULES

P3.1

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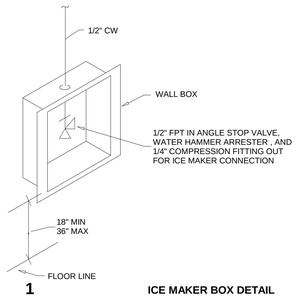
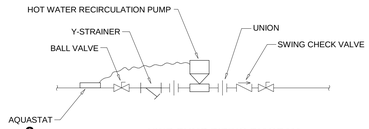
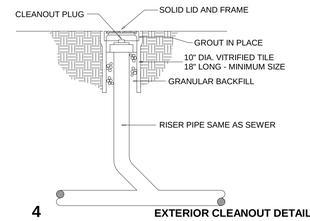


1 ICE MAKER BOX DETAIL
N.T.S.

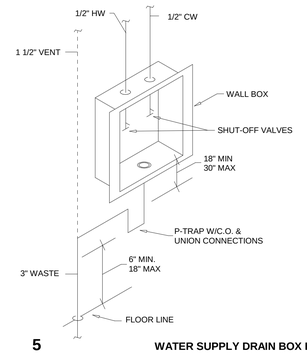


2 HWR PUMP PIPING DIAGRAM
N.T.S.

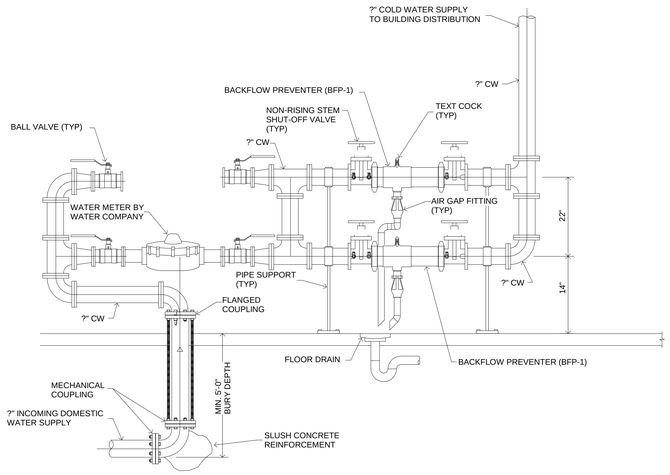
3 HWR BALANCING STATION DETAIL
N.T.S.



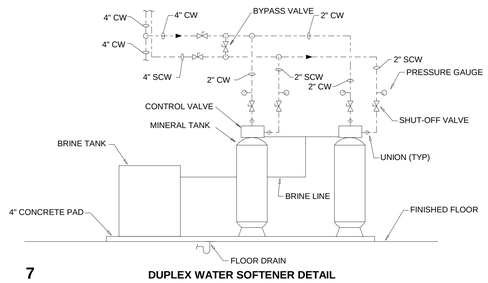
4 EXTERIOR CLEANOUT DETAIL
N.T.S.



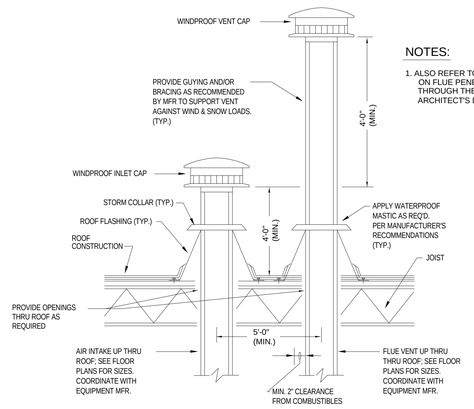
5 WATER SUPPLY DRAIN BOX DETAIL
N.T.S.



6 WATER METER & BACKFLOW PREVENTER ASSEMBLY DETAIL
N.T.S.



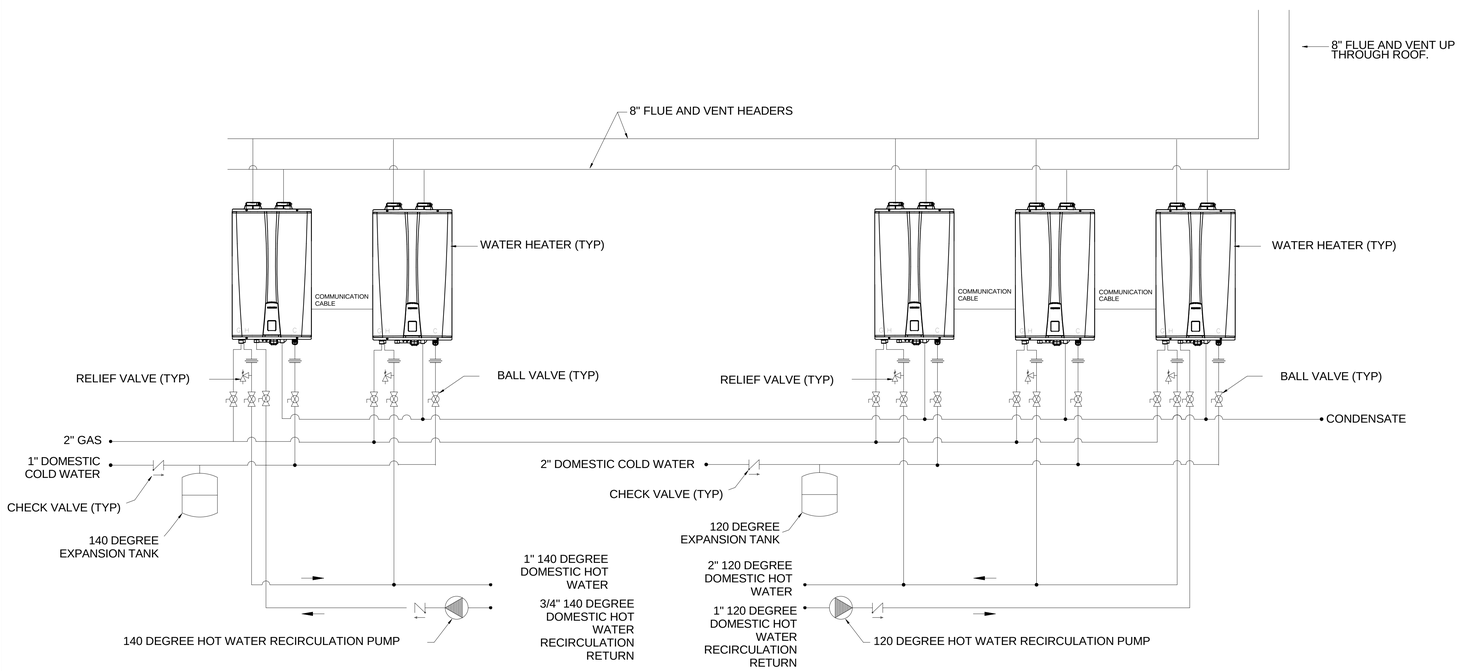
7 DUPLEX WATER SOFTENER DETAIL
N.T.S.



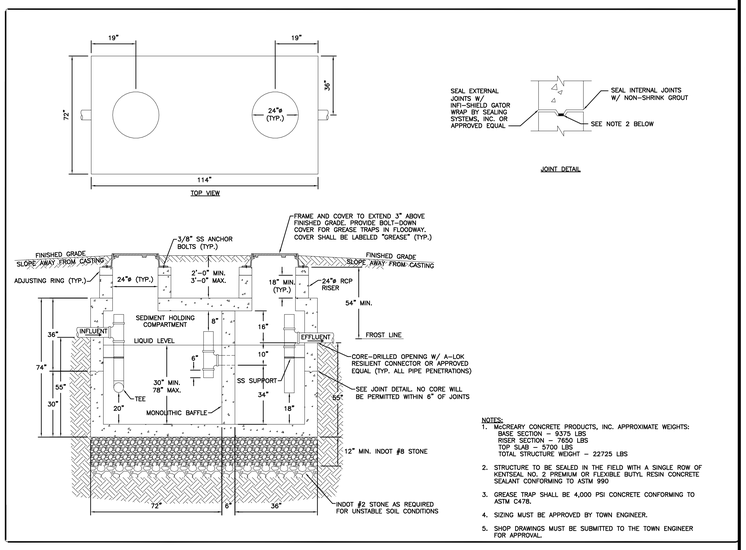
NOTES:

1. ALSO REFER TO DETAILS ON FLUE PENETRATIONS THROUGH THE ROOF ON ARCHITECT'S DRAWINGS.

10 HOOD FLUE INSTALLATION
NO SCALE



8 WATER HEATER DETAIL
NOT TO SCALE



NOTES:

1. McCREARY CONCRETE PRODUCTS, INC. APPROXIMATE WEIGHTS:
   BASE SECTION – 9375 LBS
   RISER SECTION – 7650 LBS
   TOP SLAB – 5700 LBS
   TOTAL STRUCTURE WEIGHT – 22725 LBS
2. STRUCTURE TO BE SEALED IN THE FIELD WITH A SINGLE ROW OF KENTSEAL NO. 2 PREMIUM OR FLEXIBLE BUTYL RESIN CONCRETE SEALANT CONFORMING TO ASTM 990
3. GREASE TRAP SHALL BE 4,000 PSI CONCRETE CONFORMING TO ASTM C478.
4. SIZING MUST BE APPROVED BY TOWN ENGINEER.
5. SHOP DRAWINGS MUST BE SUBMITTED TO THE TOWN ENGINEER FOR APPROVAL.

9 GREASE INTERCEPTOR DETAIL
NOT TO SCALE

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CONSTRUCTION DOCUMENTS

TIMOTHY C. LEHMAN
REGISTERED
NO. PE 19801047
STATE OF INDIANA
PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: TCL
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

PLUMBING DETAILS

P3.2

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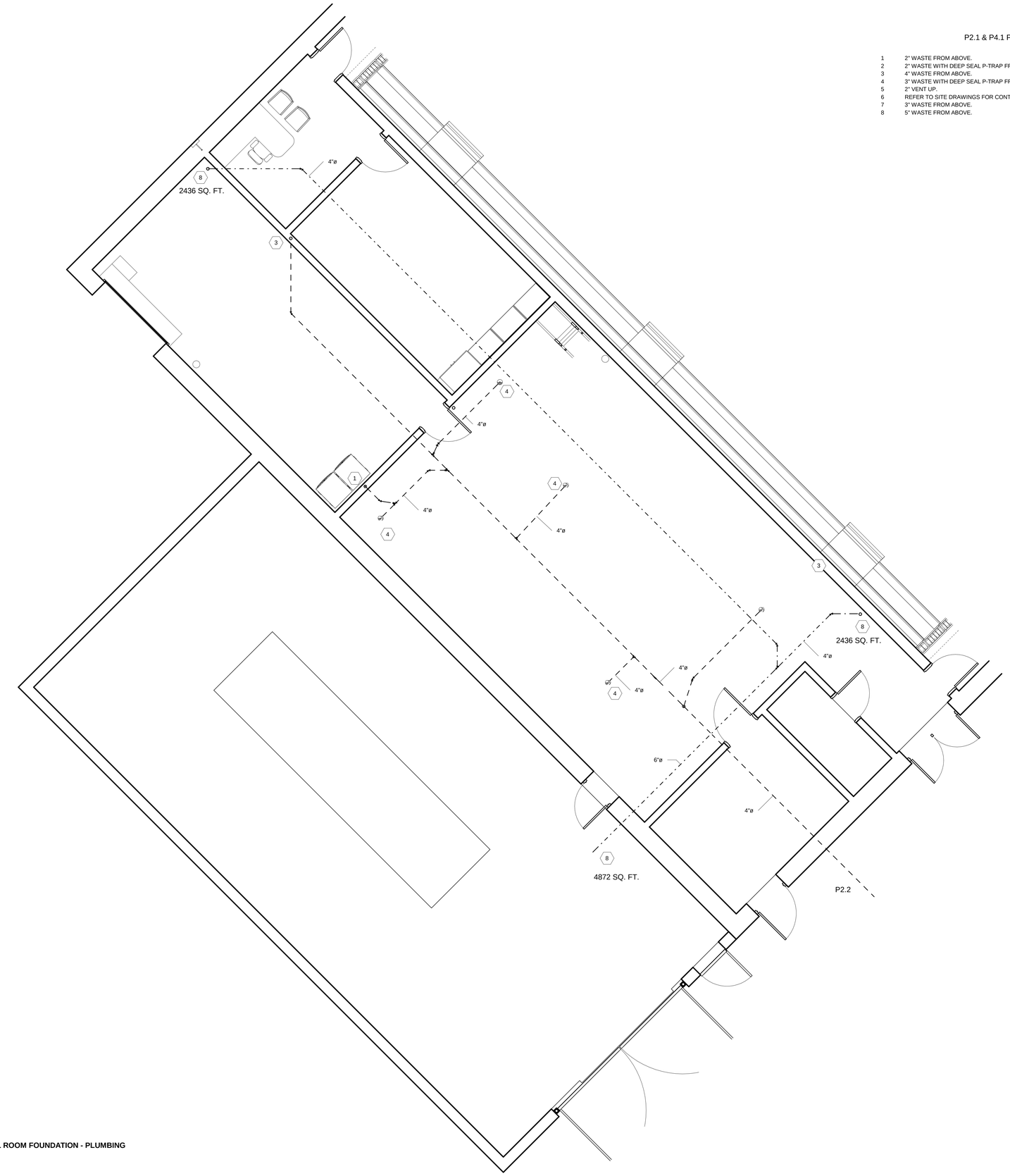
P2.1 & P4.1 PLAN NOTES

1. 2" WASTE FROM ABOVE.
2. 2" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
3. 4" WASTE FROM ABOVE.
4. 3" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
5. 2" VENT UP.
6. REFER TO SITE DRAWINGS FOR CONTINUATION.
7. 3" WASTE FROM ABOVE.
8. 5" WASTE FROM ABOVE.



1 MECHANICAL ROOM FOUNDATION - PLUMBING

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

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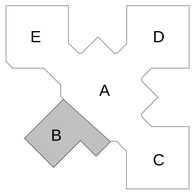

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT

DRAWN BY: TCL

PROJECT NUMBER: 219124.00

PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

ENLARGED MECHANICAL ROOM FOUNDATION PLUMBING PLAN

P4.1

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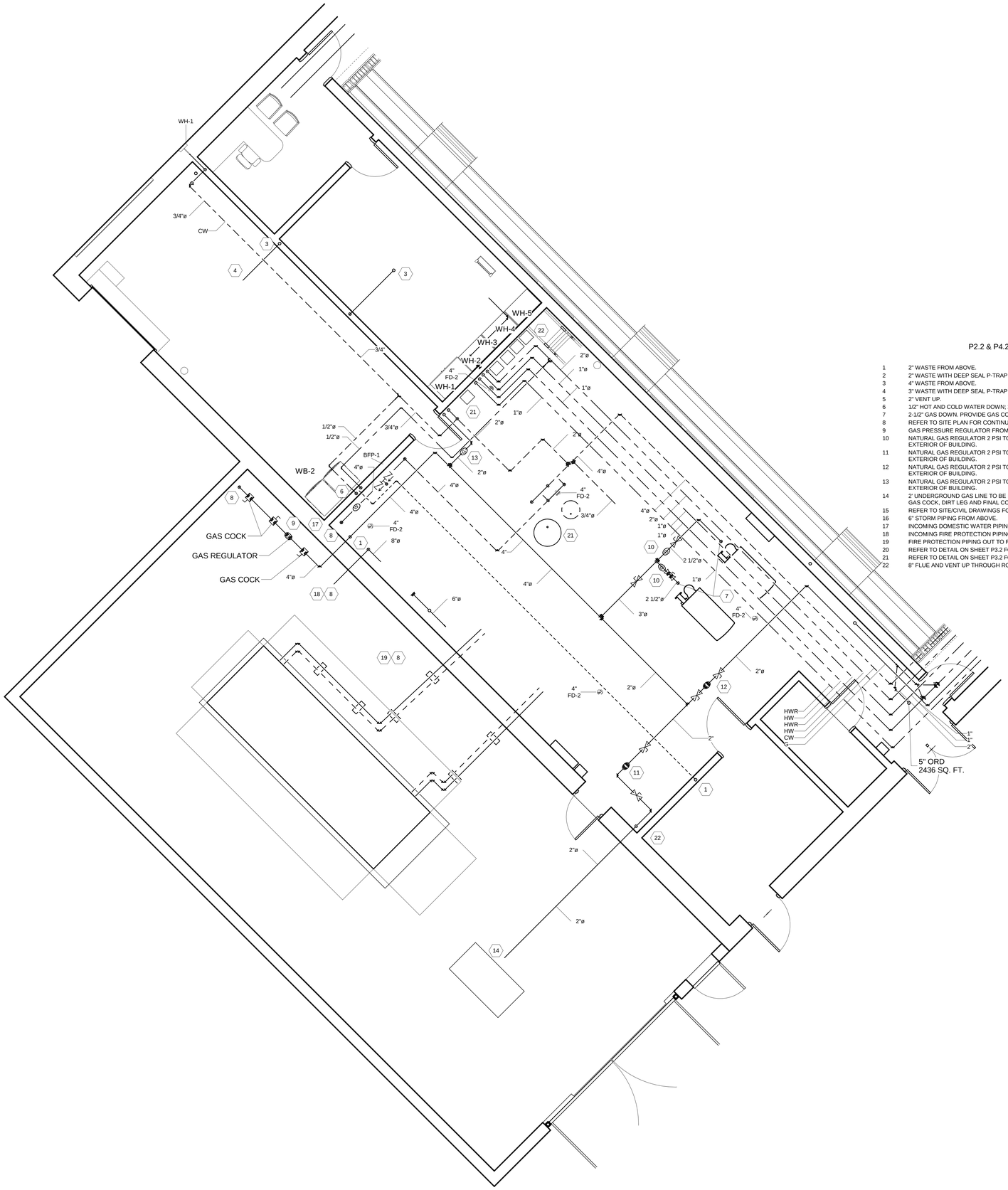

P2.2 & P4.2 PLAN NOTES

1. 2" WASTE FROM ABOVE.
2. 2" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
3. 4" WASTE FROM ABOVE.
4. 3" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
5. 2" VENT UP.
6. 1/2" HOT AND COLD WATER DOWN; 2" WASTE DOWN - 2" VENT UP.
7. 2-1/2" GAS DOWN. PROVIDE GAS COCK, DIRT LEG AND FINAL CONNECT TO BOILER.
8. REFER TO SITE PLAN FOR CONTINUATION.
9. GAS PRESSURE REGULATOR FROM HIGH PRESSURE TO 2 PSI BY GAS COMPANY.
10. NATURAL GAS REGULATOR 2 PSI TO 11" W.C. AT 3,000 MBH. EXTEND VENT TO THE EXTERIOR OF BUILDING.
11. NATURAL GAS REGULATOR 2 PSI TO 11" W.C. AT 1,797 MBH. EXTEND VENT TO THE EXTERIOR OF BUILDING.
12. NATURAL GAS REGULATOR 2 PSI TO 11" W.C. AT 392.3 EXTEND VENT TO THE EXTERIOR OF BUILDING.
13. NATURAL GAS REGULATOR 2 PSI TO 11" W.C. AT 995 MBH. EXTEND VENT TO THE EXTERIOR OF BUILDING.
14. 2" UNDERGROUND GAS LINE TO BE RAN TO EMERGENCY GENERATOR. PROVIDE GAS COCK, DIRT LEG AND FINAL CONNECT TO GENERATOR.
15. REFER TO SITE/CIVIL DRAWINGS FOR EXTERIOR CALLOUT DETAIL.
16. 6" STORM PIPING FROM ABOVE.
17. INCOMING DOMESTIC WATER PIPING TO 12" AFF.
18. INCOMING FIRE PROTECTION PIPING TO 12" AFF.
19. FIRE PROTECTION PIPING OUT TO FIRE DEPARTMENT CONNECTION. (FDC).
20. REFER TO DETAIL ON SHEET P3.2 FOR WATER HEATER PIPING.
21. REFER TO DETAIL ON SHEET P3.2 FOR WATER SOFTENER DETAIL.
22. 8" FLUE AND VENT UP THROUGH ROOF. REFER TO DETAILS ON SHEET P3.2

1 **MECHANICAL ROOM FIRST FLOOR - PLUMBING**

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

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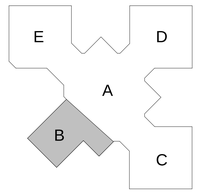

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT

DRAWN BY: TCL

PROJECT NUMBER: 219124.00

PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

ENLARGED MECHANICAL ROOM PLUMBING PLAN

P4.2

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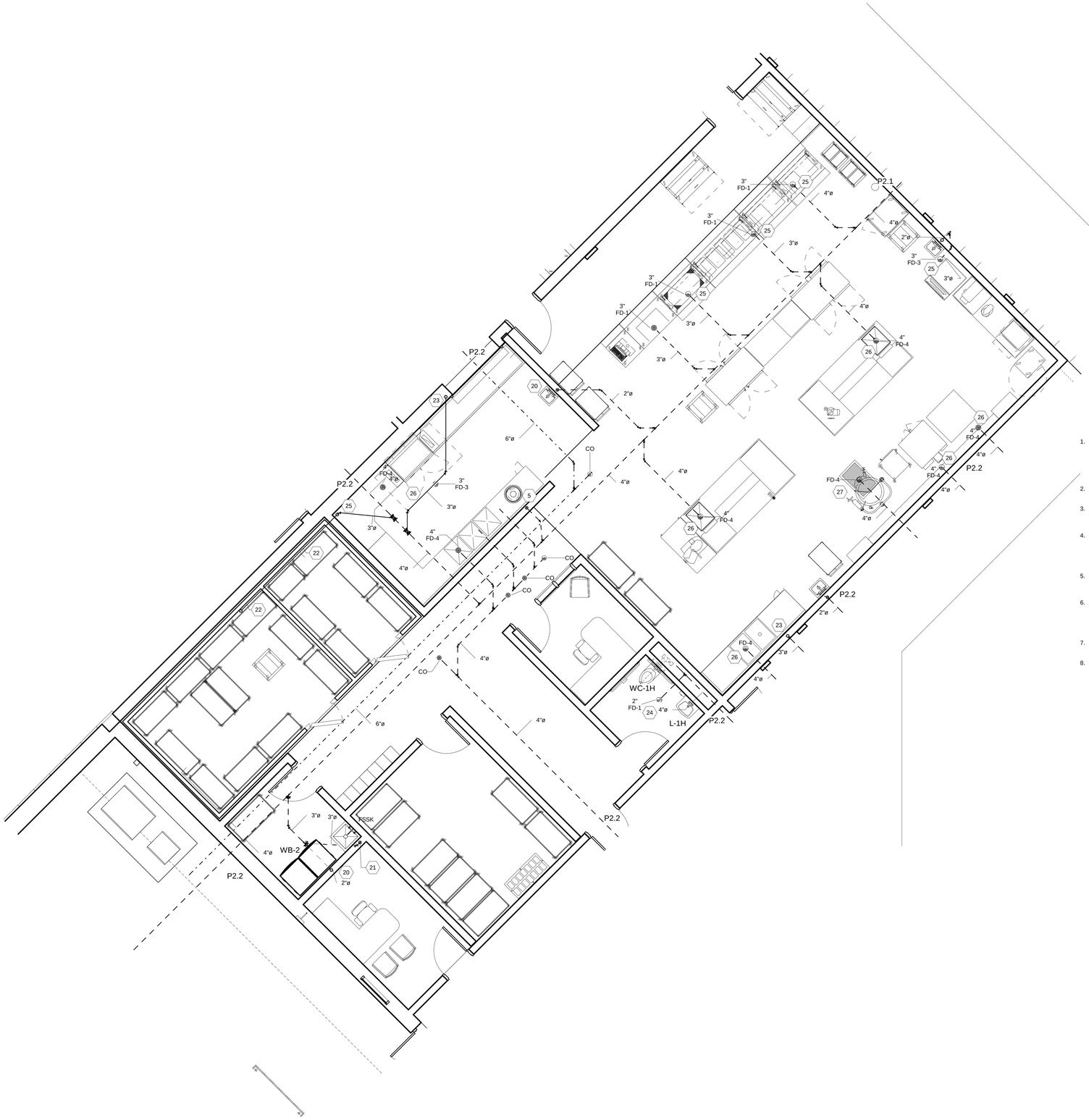
GENERAL NOTE:

1. REFER TO DRAWING P1.1 FOR GENERAL DRAWING NOTES WHICH APPLY TO THIS DRAWING.

2. REFER TO FOOD SERVICE DRAWINGS WHICH APPLY TO THIS DRAWING.



KITCHEN PLAN NOTES

1 1/2" HOT AND COLD WATER DOWN; 2" WASTE DOWN - 2" VENT.
2 HOT WATER RETURN BALANCING STATION. SEE DETAIL ON DRAWING P3.2.
3 3/4" COLD WATER DOWN.
4 NON-FREEZE WALL HYDRANT (WH-1) MOUNT AT +18' ABOVE FINISHED GROUND.
5 4" WASTE DOWN, 2" VENT UP.
6 4" WASTE DOWN, CONNECT TO HORIZONAL PIPING IN CHASE.
7 2" VENT UP.
8 3/4" HOT AND COLD WATER DOWN; 3" WASTE DOWN - 2" VENT.
9 2' VENT UP.
10 1/2" COLD WATER DOWN; 2" WASTE DOWN - 2" VENT.
11 1/2" COLD WATER DOWN.
12 2" GAS SUPPLY ON ROOF FOR HEATER MAKE-UP AIR UNIT. PROVIDE GAS COCK AND DIRT LEG AND FINAL CONNECT TO UNIT.
13 1-1/2" GAS SUPPLY FOR GAS RACEWAY.
14 3/4" HOT AND COLD WATER DOWN TO 16' ABOVE FINISHED FLOOR. CONNECT TO FAUCET ABOVE THE DISPOSER AND TEE COLD WATER TO SIDE WATER INLET ON DISPOSER.
15 3' WASTE 8' ABOVE FINSHED FLOOR. CONNECT TO DISPOSER.
16 1/2" HOT AND 3/4" COLD WATER DOWN. CONNECT TO FAUCET.
17 3/4" HOT AND COLD WATER DOWN THROUGH STAINLESS STEEL RISER PAD AND CONNECT TO FAUCETS ON BACKSPLASH.
18 3/4" HOT AND COLD WATER DOWN.
19 1' HOT AND COLD WATER DOWN.
20 2" WASTED FROM ABOVE.
21 3" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR SERVICE SINK AND 2" VENT UP.
22 EXPAND CONDENSATE DRAIN FROM COOLER AND FREEZER AND TERMINATE ABOVE FLOOR DRAIN FUNNEL.
23 3" WASTE FROM ABOVE.
24 2" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
25 3" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
26 4" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
27 4" WASTE WITH DEEP SEAL P-TRAP FROM TRENCH DRAIN ABOVE.
28 1/2" HOT AND COLD WATER DOWN CONNECT TO FAUCET
29 3/4" HOT AND COLD WATER DOWN AND CONNECT TO TROUGH INLET THROUGH FURNISHED BALL VALVES.
30 3/4" HOT AND COLD WATER DOWN AND CONNECT TO FAUCET AND TROUGH INLET.
31 3/4" 140 DEGREE WATER DOWN AND CONNECT TO DISHWASHER.
32 3/4" COLD WATER DOWN AND CONNECT TO DISHWASHER.
33 2" VENT UP TO 3' VENT THROUGH ROOF.
34 2" VENT DOWN THROUGH STAINLESS STEEL RISER AND CONNECT TO DRAINS ABOVE FLOOR RIM OF SINK.

KITCHEN GENERAL NOTES

N.T.S.

1. ROUGH IN UTILITY LINES THRU WALLS, FLOOR AND CEILING AS SHOWN ON THE DRAWINGS. RUN WASTE LINES FROM THE ROUGH-IN AND MAKE THE CONNECTION ON THE EQUIPMENT. PROVIDE ALL TRAPS, MANIFOLD AND INTER-CONNECT SINK DRAINS WHERE SHOWN. RUN SUPPLY LINES FROM THE EQUIPMENT. PROVIDE ALL TRAPS, VALVES AND VENTS REQUIRED FOR INSTALLATION.

2. ALL EXPOSED PIPING (ABOVE COUNTER HEIGHT OR IN A "DIRECT" LINE OF SIGHT) SHALL BE CHROME PLATED.

3. INSTALL STAINLESS STEEL OR CHROME PLATED BRASS ESUCTEONS OR FLANGES FOR UTILITY LINES WHICH EXTEND THROUGH BUILDING WALLS AND EQUIPMENT.

4. INSTALL FAUCETS, PRE-RINSE UNITS, HOSE STATIONS, POT FILLERS, VACUUM BREAKERS, CHECK VALVES, FLOW CONTROLS VALVES, PRESURE REDUCING VALVES. STRAINERS, WATER FILTERS, ETC. ALL AS FURNISHED BY THE FOOD SERVICE SUPPLIER. PROVIDE WATER PRESSURE REDUCING VALVES.

5. PROVIDE ALL "INDIRECT" WASTE AND CONDENSATE LINES FROM THE FOOD SERVICE EQUIPMENT TO FLOOR DRAINS OR OPEN SIGHT DRAINS PROVIDED THEREFORE.

6. THE FOOD SERVCE EQUIPMENT MECHANICAL DRAWINGS AND EQUIPMENT DATA INFORMATION ARE PREPARED FOR THE CONVENIENCE OF BIDDING AND ARE NOT INTENDED AS ROUGH-IN DRAWINGS TO BE USED ON THE PROJECT SITE. REFER TO THE FOOD SERVICE EQUIPMENT SUPPLIERS ROUGH-IN DRAWINGS FOR ACCURATE LOCATION OF UTILITIES.

7. PROVIDE A MAXIMUM OF 1/16" PER FOOT DOWNWARD SLOPE IN AREAS AROUND FLOOR DRAINS UNLESS OTHERWISE SPECIFICALLY INDICATED ON THE DRAWINGS.

8. REFER TO THE ITEM FOOD SERVICE EQUIPMENT SPECIFICATION FOR ADDITIONAL INSTALLATION REQUIREMENTS.

1 **KITCHEN FOUNDATION PLAN - PLUMBING**

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

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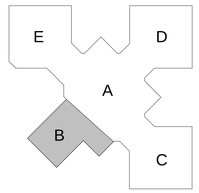

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT
DRAWN BY: TCL
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

ENLARGED KITCHEN FOUNDATION PLAN

P4.3

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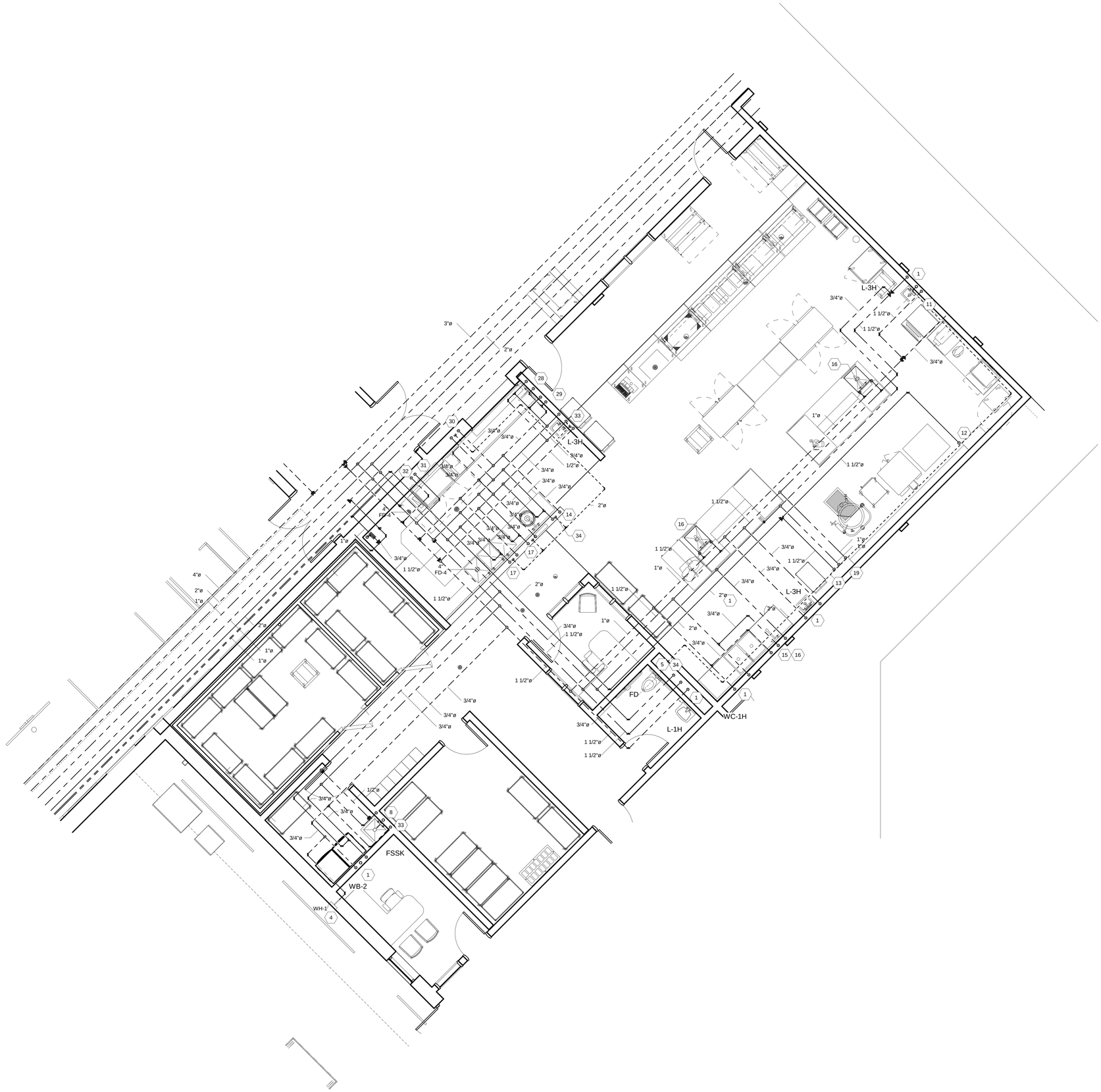

1 KITCHEN FIRST FLOOR PLAN - PLUMBING

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

GENERAL NOTE:

1. REFER TO DRAWING P1.1 FOR GENERAL DRAWING NOTES WHICH APPLY TO THIS DRAWING.

2. REFER TO FOOD SERVICE DRAWINGS WHICH APPLY TO THIS DRAWING.

KITCHEN GENERAL NOTES

N.T.S.

1. ROUGH IN UTILITY LINES THRU WALLS, FLOOR AND CEILING AS SHOWN ON THE DRAWINGS. RUN WASTE LINES FROM THE ROUGH-IN AND MAKE THE CONNECTION ON THE EQUIPMENT. PROVIDE ALL TRAPS, MANIFOLD AND INTER-CONNECT SINK DRAINS WHERE SHOWN. RUN SUPPLY LINES FROM THE EQUIPMENT. PROVIDE ALL TRAPS, VALVES AND VENTS REQUIRED FOR INSTALLATION.
2. ALL EXPOSED PIPING (ABOVE COUNTER HEIGHT OR IN A "DIRECT" LINE OF SIGHT) SHALL BE CHROME PLATED.
3. INSTALL STAINLESS STEEL OR CHROME PLATED BRASS ESUCTEONS OR FLANGES FOR UTILITY LINES WHICH EXTEND THROUGH BUILDING WALLS AND EQUIPMENT.
4. INSTALL FAUCETS, PRE-RINSE UNITS, HOSE STATIONS, POT FILLERS, VACUUM BREAKERS, CHECK VALVES, FLOW CONTROLS VALVES, PRESURE REDUCING VALVES. STRAINERS, WATER FILTERS, ETC. ALL AS FURNISHED BY THE FOOD SERVICE SUPPLIER. PROVIDE WATER PRESSURE REDUCING VALVES.
5. PROVIDE ALL "INDIRECT" WASTE AND CONDENSATE LINES FROM THE FOOD SERVICE EQUIPMENT TO FLOOR DRAINS OR OPEN SIGHT DRAINS PROVIDED THEREFORE.
6. THE FOOD SERVCE EQUIPMENT MECHANICAL DRAWINGS AND EQUIPMENT DATA INFORMATION ARE PREPARED FOR THE CONVENIENCE OF BIDDING AND ARE NOT INTENDED AS ROUGH-IN DRAWINGS TO BE USED ON THE PROJECT SITE. REFER TO THE FOOD SERVICE EQUIPMENT SUPPLIERS ROUGH-IN DRAWINGS FOR ACCURATE LOCATION OF UTILITIES.
7. PROVIDE A MAXIMUM OF 1/16" PER FOOT DOWNWARD SLOPE IN AREAS AROUND FLOOR DRAINS UNLESS OTHERWISE SPECIFICALLY INDICATED ON THE DRAWINGS.
8. REFER TO THE ITEM FOOD SERVICE EQUIPMENT SPECIFICATION FOR ADDITIONAL INSTALLATION REQUIREMENTS.

KITCHEN PLAN NOTES

1 1/2" HOT AND COLD WATER DOWN; 2" WASTE DOWN - 2" VENT.
2 HOT WATER RETURN BALANCING STATION. SEE DETAIL ON DRAWING P3.2.
3 3/4" COLD WATER DOWN.
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5 4" WASTE DOWN, 2" VENT UP.
6 4" WASTE DOWN, CONNECT TO HORIZONAL PIPING IN CHASE.
7 2" VENT UP.
8 3/4' HOT AND COLD WATER DOWN; 3" WASTE DOWN - 2" VENT.
9 2' VENT UP.
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23 3" WASTE FROM ABOVE.
24 2" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
25 3" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
26 4" WASTE WITH DEEP SEAL P-TRAP FROM FLOOR DRAIN ABOVE.
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29 3/4" HOT AND COLD WATER DOWN AND CONNECT TO TROUGH INLET THROUGH FURNISHED BALL VALVES.
30 3/4" HOT AND COLD WATER DOWN AND CONNECT TO FAUCET AND TROUGH INLET.
31 3/4" 140 DEGREE WATER DOWN AND CONNECT TO DISHWASHER.
32 3/4" COLD WATER DOWN AND CONNECT TO DISHWASHER.
33 2" VENT UP TO 3" VENT THROUGH ROOF.
34 2" VENT DOWN THROUGH STAINLESS STEEL RISER AND CONNECT TO DRAINS ABOVE FLOOR RIM OF SINK.

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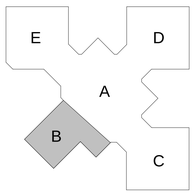

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT
DRAWN BY: TCL
PROJECT NUMBER: 219124.00
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REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

ENLARGED KITCHEN FLOOR PLAN

P4.4

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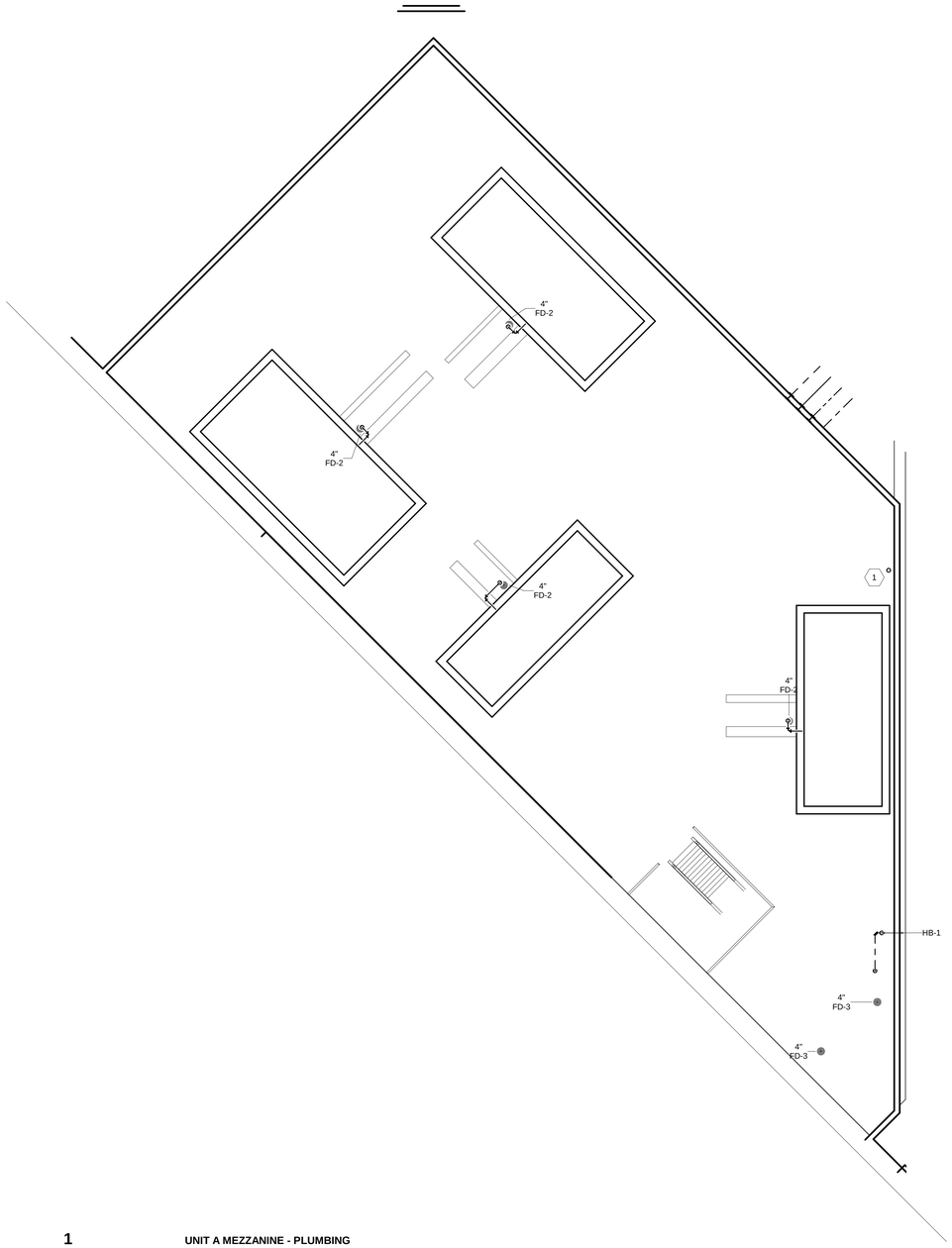
P4.5 Plan Notes	
KEY NUMBER	DESCRIPTION
1	2" VENT FROM BELOW UP TO 3" VENT-THRU-ROOF.

GENERAL NOTE:

1. REFER TO DRAWING P1.1 FOR GENERAL DRAWING NOTES WHICH APPLY TO THIS DRAWING.



1 **UNIT A MEZZANINE - PLUMBING**

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

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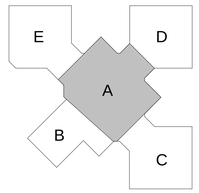

KEY PLAN

CONSTRUCTION DOCUMENTS

TIMOTHY C. LEHMAN
REGISTERED
No.
PE 19800147
STATE OF
INDIANA
PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: TCL
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

UNIT A - MEZZANINE PLAN - PLUMBING

P4.5

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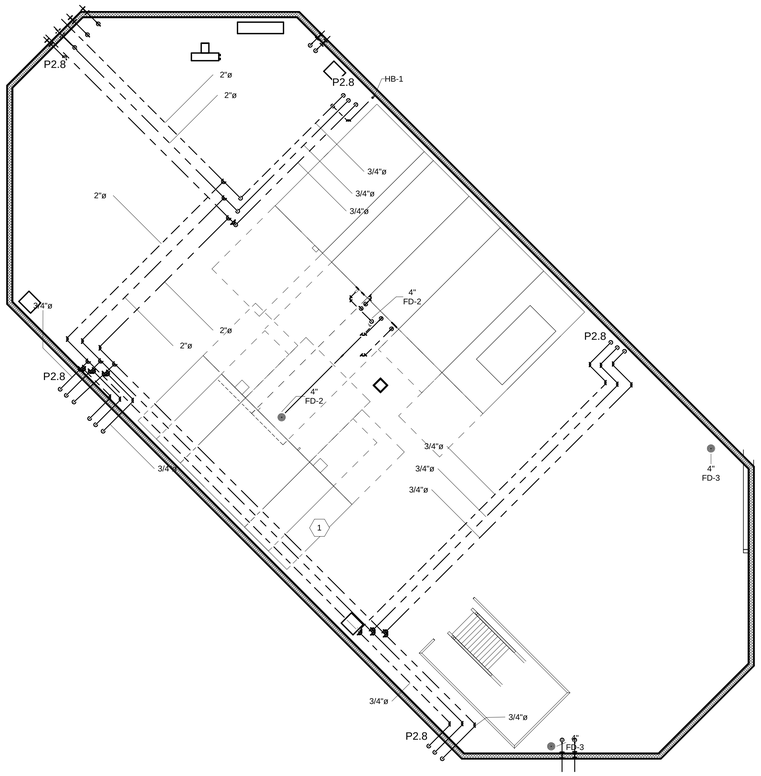
4.6 PLAN NOTES	
KEY NUMBER	DESCRIPTION
1	4" VENT UP TO 4" VENT-THRU-ROOF.

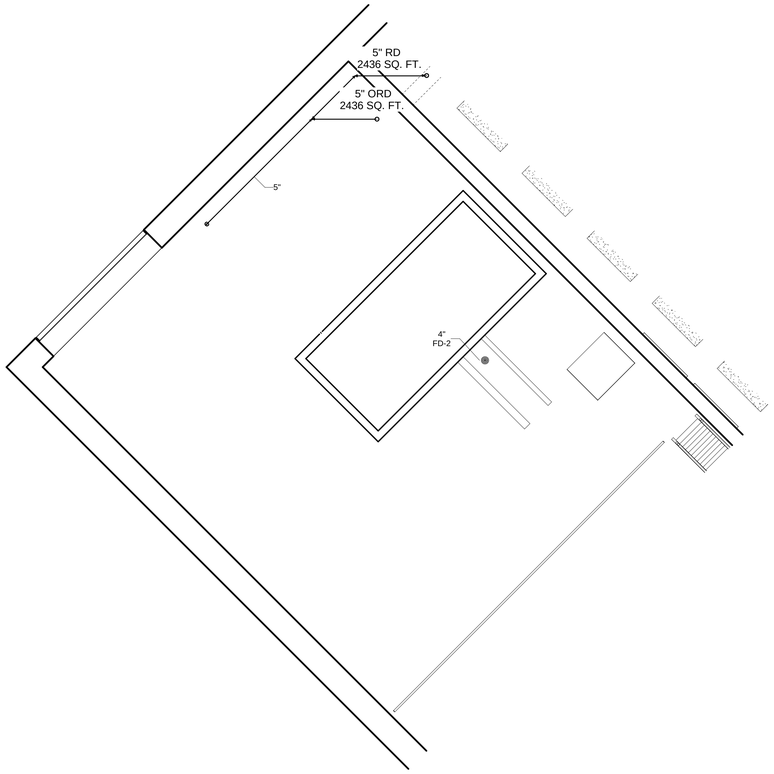
GENERAL NOTE:

1. REFER TO DRAWING P1.1 FOR GENERAL DRAWING NOTES WHICH APPLY TO THIS DRAWING.



1 UNIT C MEZZANINE - PLUMBING

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



2 UNIT B MEZZANINE - PLUMBING

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

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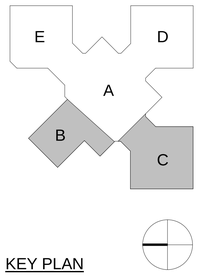

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT

DRAWN BY: TCL

PROJECT NUMBER: 219124.00

PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

UNIT B & C MEZZANINE PLAN - PLUMBING

P4.6

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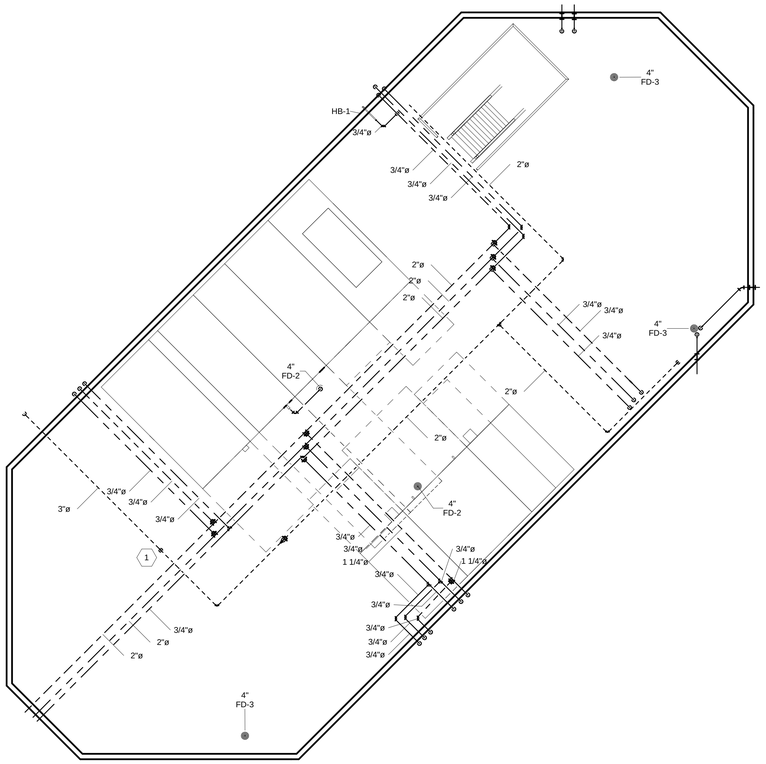
P4.7 PLAN NOTES	
KEY NUMBER	DESCRIPTION
1	4" VENT UP TO 4" VENT-THRU-ROOF.

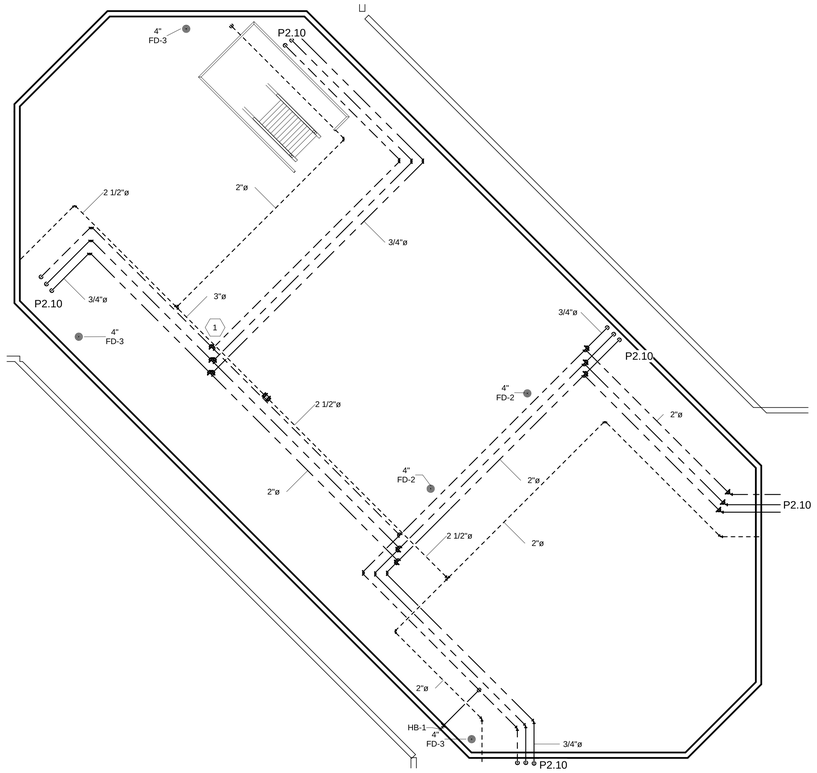
GENERAL NOTE:

1. REFER TO DRAWING P1.1 FOR GENERAL DRAWING NOTES WHICH APPLY TO THIS DRAWING.



2 UNIT D MEZZANINE PLAN - PLUMBING

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



1 UNIT E MEZZANINE - PLUMBING

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

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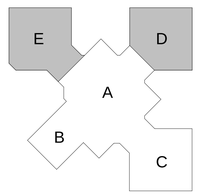

KEY PLAN

CONSTRUCTION DOCUMENTS

TIMOTHY C. LEHMAN REGISTERED No. PE 19800147 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: TCL
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

UNIT D & E MEZZANINE PLAN - PLUMBING

P4.7

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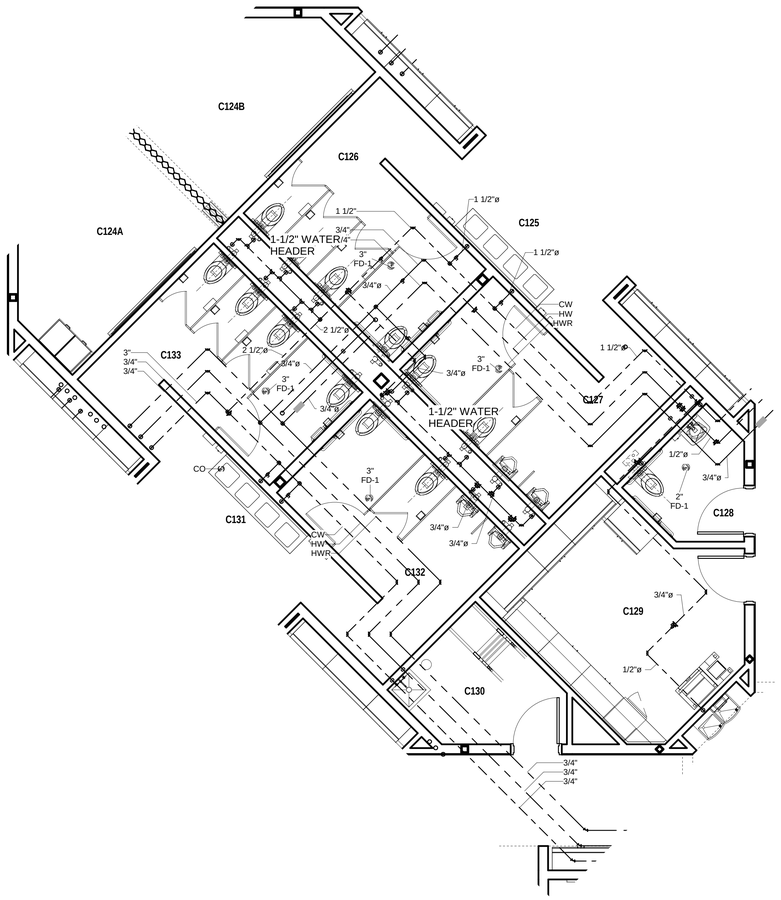
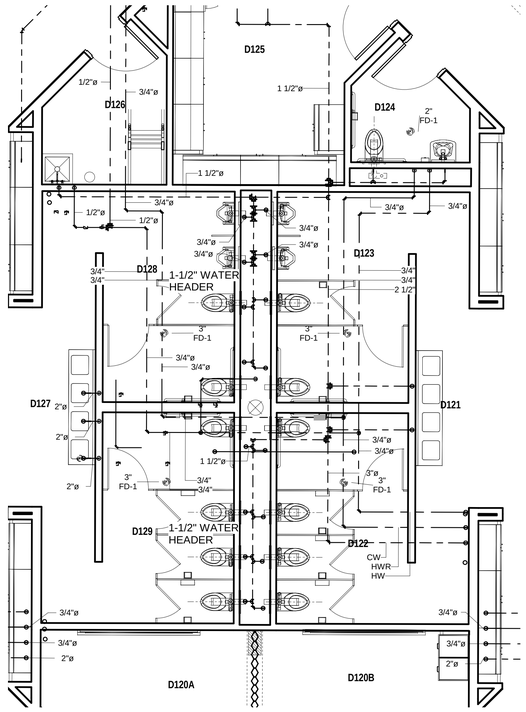


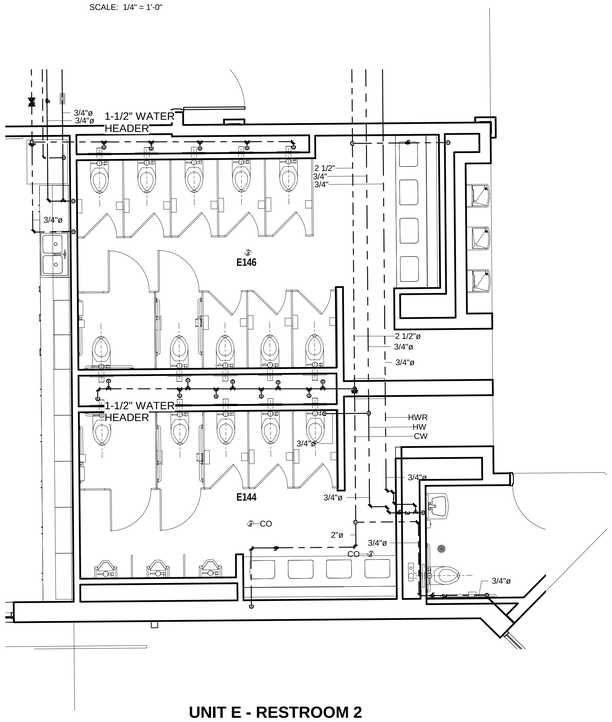
UNIT C - RESTROOM

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



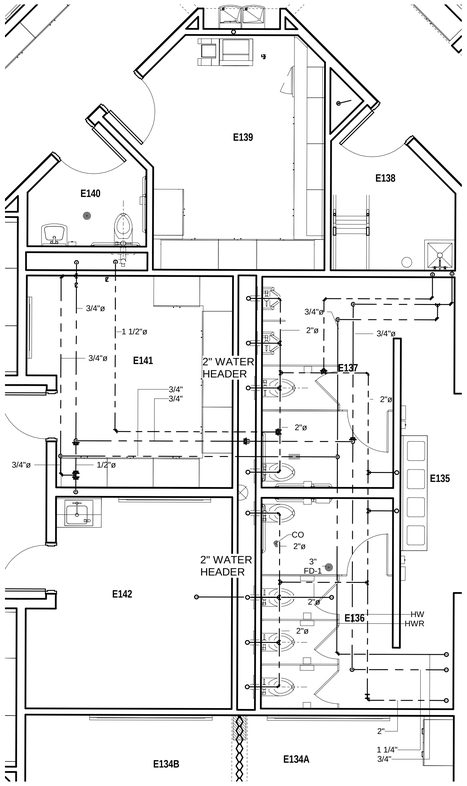
UNIT D - RESTROOM

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



UNIT E - RESTROOM 2

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



UNIT E - RESTROOM

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

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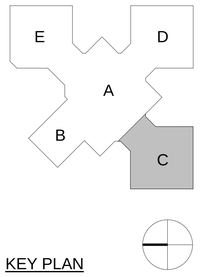

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT

DRAWN BY: TCL

PROJECT NUMBER: 219124.00

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RESTROOM ENLARGEMENTS

P4.8

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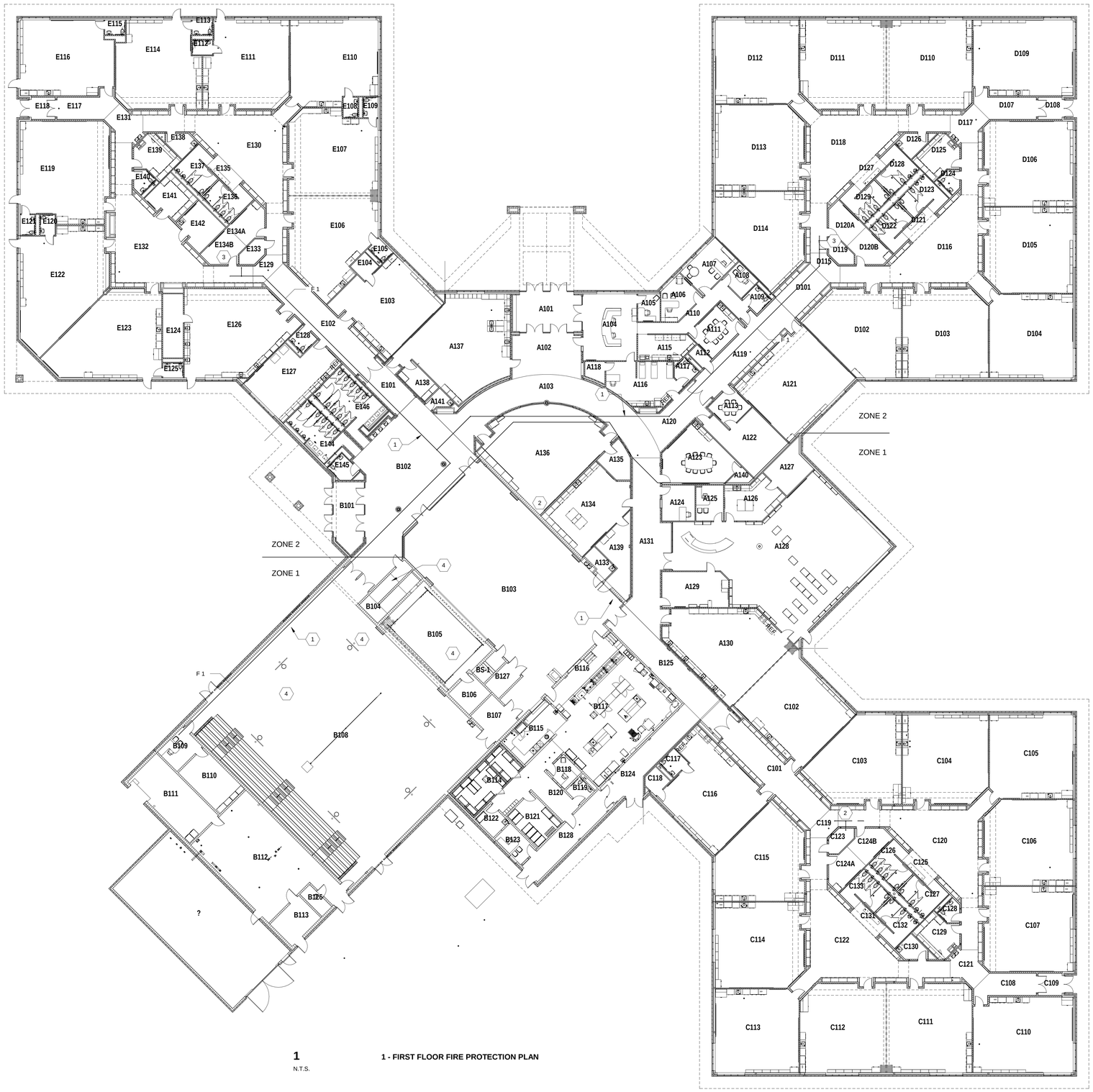

1
N.T.S.

1 - FIRST FLOOR FIRE PROTECTION PLAN

ROOM LEGEND - FIRST FLOOR UNIT A

ROOM NO.	ROOM NAME	AREA (SF)
A101	VESTIBULE	341 SF
A102	LOBBY	366 SF
A103	CORRIDOR	925 SF
A104	RECEPTION AREA	470 SF
A105	OFFICE	80 SF
A106	ASSISTANT PRINCIPAL'S OFFICE	166 SF
A107	PRINCIPAL'S OFFICE	214 SF
A108	OFFICE	87 SF
A109	RESTROOM	56 SF
A110	CORRIDOR	230 SF
A111	CONFERENCE ROOM	208 SF
A112	STORAGE	34 SF
A113	GUIDANCE CONFERENCE ROOM	127 SF
A115	WORKROOM	175 SF
A116	CLINIC	366 SF
A117	RESTROOM	54 SF
A118	STORAGE	48 SF
A119	CORRIDOR	488 SF
A120	CORRIDOR	289 SF
A121	CLASSROOM	956 SF
A122	GUIDANCE COUNCELOR'S OFFICE	377 SF
A123	CONFERENCE ROOM	433 SF
A124	SPEECH AND HEARING	154 SF
A125	OFFICE	127 SF
A126	WORKROOM	261 SF
A127	STORAGE	180 SF
A128	MEDIA CENTER	2434 SF
A129	STORAGE	305 SF
A130	PROJECT	1039 SF
A131	CORRIDOR	706 SF
A133	CUSTODIAL CLOSET	60 SF
A134	WORKROOM	600 SF
A135	STORAGE	112 SF
A136	MUSIC	1162 SF
A137	ART	1105 SF
A138	STORAGE / KILN	102 SF
A139	PUBLICATION	222 SF
A140	STORAGE	35 SF
A141	JANITOR CLOSET	43 SF

ROOM LEGEND - FIRST FLOOR UNIT B

ROOM NO.	ROOM NAME	AREA (SF)
B101	VESTIBULE	270 SF
B102	EVENT LOBBY	1567 SF
B103	STUDENT DINING	3444 SF
B104	RAMP	199 SF
B105	PLATFORM	845 SF
B106	STORAGE	118 SF
B107	CHAIR STORAGE	148 SF
B108	GYMNASIUM	6377 SF
B109	PE OFFICE	129 SF
B110	PE STORAGE	272 SF
B111	OUTDOOR STORAGE	467 SF
B112	MECHANICAL	1212 SF
B113	ELECTRICAL	167 SF
B114	COOLER / FREEZER	331 SF
B115	WARE WASHING	254 SF
B116	SERVING AREA	216 SF
B117	KITCHEN	1241 SF
B118	OFFICE	81 SF
B119	RESTROOM	53 SF
B120	CORRIDOR	350 SF
B121	DRY FOOD STORAGE	204 SF
B122	CUSTODIAL	75 SF
B123	OFFICE	108 SF
B124	CORRIDOR	372 SF
B125	CORRIDOR	488 SF
B126	ELECTRICAL	57 SF
B126	Room	Not Placed
B127	STORAGE	81 SF
B128	CORRIDOR	314 SF

ROOM LEGEND - FIRST FLOOR UNIT D

ROOM NO.	ROOM NAME	AREA (SF)
D101	CORRIDOR	216 SF
D102	CLASSROOM	897 SF
D103	CLASSROOM	976 SF
D104	CLASSROOM	911 SF
D105	CLASSROOM	976 SF
D106	CLASSROOM	983 SF
D107	CORRIDOR	182 SF
D108	VESTIBULE	70 SF
D109	CLASSROOM	974 SF
D110	CLASSROOM	990 SF
D111	CLASSROOM	982 SF
D112	CLASSROOM	911 SF
D113	CLASSROOM	975 SF
D114	CLASSROOM	898 SF
D115	CORRIDOR	88 SF
D116	COMMONS	1160 SF
D117	CORRIDOR	143 SF
D118	COMMONS	1160 SF
D119	TECHNOLOGY CLOSET	61 SF
D120A	SMALL GROUP ROOM	131 SF
D120B	SMALL GROUP ROOM	131 SF
D121	RESTROOM VESTIBULE	72 SF
D122	GIRL'S RESTROOM	146 SF
D123	BOY'S RESTROOM	146 SF
D124	RESTROOM	47 SF
D125	WORKROOM	178 SF
D126	CUSTODIAL CLOSET	68 SF
D127	RESTROOM VESTIBULE	72 SF
D128	BOY'S RESTROOM	146 SF
D129	GIRL'S RESTROOM	146 SF

ROOM LEGEND - FIRST FLOOR UNIT C

ROOM NO.	ROOM NAME	AREA (SF)
C101	CORRIDOR	597 SF
C102	PROJECT / LGI	971 SF
C103	CLASSROOM	897 SF
C104	CLASSROOM	976 SF
C105	CLASSROOM	911 SF
C106	CLASSROOM	976 SF
C107	CLASSROOM	983 SF
C108	CORRIDOR	182 SF
C109	VESTIBULE	70 SF
C110	CLASSROOM	974 SF
C111	CLASSROOM	990 SF
C112	CLASSROOM	982 SF
C113	CLASSROOM	911 SF
C114	CLASSROOM	975 SF
C115	CLASSROOM	898 SF
C116	SPECIAL EDUCATION RESOURCE	946 SF
C117	RESTROOM	56 SF
C118	QUIET ROOM	54 SF
C119	CORRIDOR	78 SF
C120	COMMONS	1165 SF
C121	CORRIDOR	143 SF
C122	COMMONS	1165 SF
C123	TECHNOLOGY CLOSET	61 SF
C124A	SMALL GROUP ROOM	131 SF
C124B	SMALL GROUP ROOM	131 SF
C125	RESTROOM VESTIBULE	72 SF
C126	GIRL'S RESTROOM	146 SF
C127	BOY'S RESTROOM	146 SF
C128	RESTROOM	47 SF
C129	WORKROOM	178 SF
C130	CUSTODIAL CLOSET	68 SF
C131	RESTROOM VESTIBULE	72 SF
C132	BOY'S RESTROOM	146 SF
C133	GIRL'S RESTROOM	146 SF

ROOM LEGEND - FIRST FLOOR UNIT E

ROOM NO.	ROOM NAME	AREA (SF)
E101	CORRIDOR	216 SF
E102	CORRIDOR	529 SF
E103	SPECIAL EDUCATION	789 SF
E104	QUIET ROOM	54 SF
E105	RESTROOM	39 SF
E106	CLASSROOM	942 SF
E107	CLASSROOM	954 SF
E108	RESTROOM	39 SF
E109	RESTROOM	39 SF
E110	CLASSROOM	942 SF
E111	KINDERGARTEN CLASSROOM	938 SF
E112	KINDERGARTEN RESTROOM	39 SF
E113	KINDERGARTEN RESTROOM	39 SF
E114	KINDERGARTEN CLASSROOM	907 SF
E115	KINDERGARTEN RESTROOM	39 SF
E116	KINDERGARTEN CLASSROOM	888 SF
E117	CORRIDOR	179 SF
E118	VESTIBULE	70 SF
E119	KINDERGARTEN CLASSROOM	1139 SF
E120	KINDERGARTEN RESTROOM	39 SF
E121	KINDERGARTEN RESTROOM	39 SF
E122	KINDERGARTEN CLASSROOM	1132 SF
E123	KINDERGARTEN CLASSROOM	1066 SF
E124	STORAGE	171 SF
E125	KINDERGARTEN RESTROOM	39 SF
E126	SCIENCE	1089 SF
E127	TEACHER'S LOUNGE	533 SF
E128	RESTROOM	54 SF
E129	CORRIDOR	83 SF
E130	COMMONS	1155 SF
E131	CORRIDOR	142 SF
E132	COMMONS	1136 SF
E133	TECHNOLOGY CLOSET	61 SF
E134A	SMALL GROUP ROOM	131 SF
E134B	SMALL GROUP ROOM	131 SF
E135	RESTROOM VESTIBULE	74 SF
E136	GIRL'S RESTROOM	146 SF
E137	BOY'S RESTROOM	146 SF
E138	CUSTODIAL CLOSET	68 SF
E139	WORKROOM	178 SF
E140	RESTROOM	47 SF
E141	WORKROOM	171 SF
E142	SMALL GROUP ROOM	171 SF
E144	MEN'S RESTROOM	255 SF
E145	FAMILY RESTROOM	63 SF
E146	WOMEN'S RESTROOM	333 SF

FIRE PROTECTION PLAN NOTES

KEY NUMBER	NOTES
1	PROPOSED FIRE PROTECTION MAIN ROUTING.
2	FIRE PROTECTION ZONE 1 UP MEZZANINE.
3	FIRE PROTECTION ZONE 2 UP TO MEZZANINE.
4	SPRINKLER SYSTEM SHALL ENTER GYMNASIUM HIGH WITHIN ROOF STRUCTURE. SPRINKLER PIPING SHALL NOT EXTEND DOWN EXPOSED WALL TO SERVE ADJACENT.

FIRE PROTECTION PLAN GENERAL NOTES

A. ALL FIRE PROTECTION WORK PERFORMED ON THIS PROJECT SHALL BE SIZED PER HYDRAULIC CALCULATIONS. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH ALL DUCTWORK, RACEWAYS, CABLE TRAYS CONDUITS, STRUCTURAL MEMBERS, PIPING AND ARCHITECTURAL CEILING HEIGHTS AND DESIGN INTENT. ALL FIRE PROTECTION WORK SHALL BE DONE IN ACCORDANCE WITH NFPA 13, ALL APPLICABLE STATE AND LOCAL CODES AND THE AUTHORITY HAVING JURISDICTION TO DELIVER A PENALTY FREE SYSTEM.

B. REFER TO DIVISION 21 FOR ALL AUTOMATIC WET PIPE SPRINKLER SYSTEM REQUIREMENTS.

C. ALL SPRINKLER PIPING SYSTEM INSTALLATION SHALL BE COORDINATED WITH OTHER TRADES AS IT RELATES TO ACCESS AND SERVICEABILITY OF THAT TRADES EQUIPMENT (I.E.: MECHANICAL UNITS, LIGHTS...) ANY SPRINKLER SYSTEM PIPING DETERMINED BY THE ENGINEER TO BE IN CONFLICT WITH OTHER TRADES WILL BE RELOCATED WITH ALL COST TO BE BORNE BY THE FIRE PROTECTION CONTRACTOR.

D. REFER TO ARCHITECTURAL BUILDING SECTIONS, WALL SECTIONS AND STRUCTURAL DRAWINGS FOR STRUCTURAL STEEL ELEVATIONS AND SPACE AVAILABLE ABOVE THE FINISHED CEILING. PROVIDE ALL APPROPRIATE SUPPORT AND BRACING TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION OF PIPING WITHIN THE GIVEN CONDITIONS.

E. THE CONTRACTOR SHALL ENSURE THAT NO PIPING OR EQUIPMENT WILL BE INSTALLED WITHIN 12'-0" OF ANY EXTERIOR BUILDING WALL OPENING. OPENINGS SHALL INCLUDE BUT SHALL NOT BE LIMITED TO RELIEF AIR, LOUVERS... TO PREVENT FREEZING OF PIPING AND EQUIPMENT. PIPING INSTALLED WITHIN THIS SPECIAL ZONE AND ANY DAMAGE RESULTING FROM THIS INSTALLATION WILL BE COMPLETELY RESTORED AND ALL ASSOCIATED COST BORNE BY THIS CONTRACTOR.

FLOW TEST INFO
STATIC - 64 PSI RESIDUAL - 61 PSI AT 5,287 GPM

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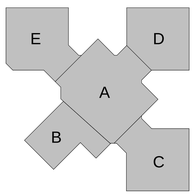

KEY PLAN

CONSTRUCTION DOCUMENTS

TIMOTHY C. LIEHMAN
REGISTERED
NO. PE 10800147
STATE OF INDIANA
PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: TCL
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

FIRST FLOOR FIRE PROTECTION PLAN

PFP.1

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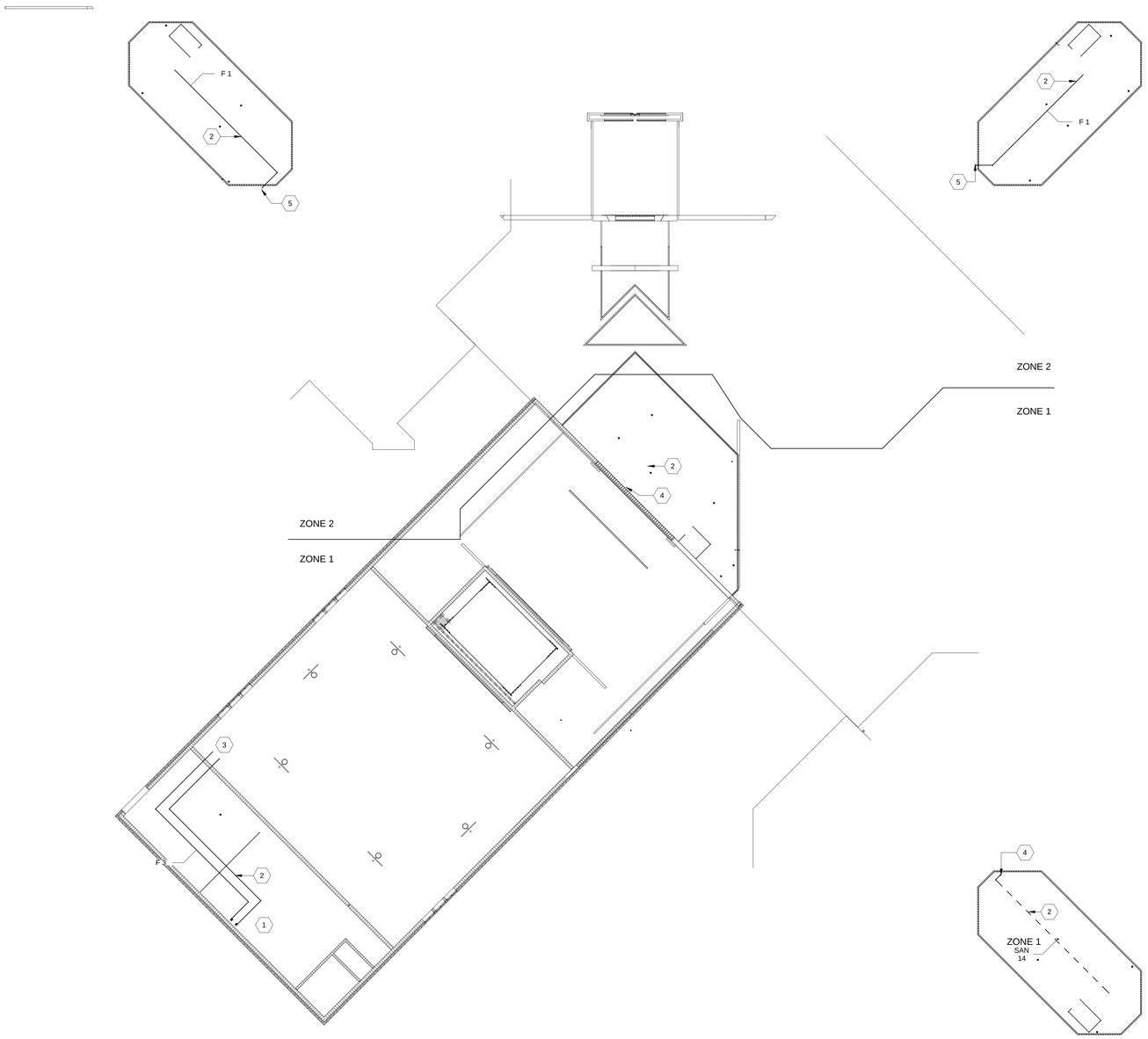

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N.T.S.

2 - SECOND FLOOR FIRE PROTECTION PLAN

FIRE PROTECTION PLAN GENERAL NOTES

A. ALL FIRE PROTECTION WORK PERFORMED ON THIS PROJECT SHALL BE SIZED PER HYDRAULIC CALCULATIONS. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH ALL DUCTWORK, RACEWAYS, CABLE TRAYS CONDUITS, STRUCTURAL MEMBERS, PIPING AND ARCHITECTURAL CEILING HEIGHTS AND DESIGN INTENT. ALL FIRE PROTECTION WORK SHALL BE DONE IN ACCORDANCE WITH NFPA 13, ALL APPLICABLE STATE AND LOCAL CODES AND THE AUTHORITY HAVING JURISDICTION TO DELIVER A PENALTY FREE SYSTEM.

B. REFER TO DIVISION 21 FOR ALL AUTOMATIC WET PIPE SPRINKLER SYSTEM REQUIREMENTS.

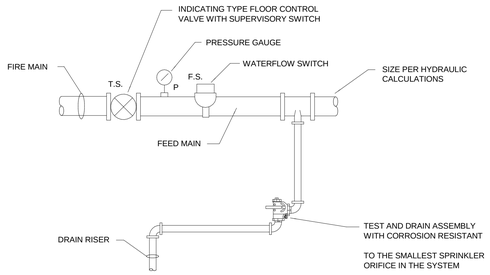
C. ALL SPRINKLER PIPING SYSTEM INSTALLATION SHALL BE COORDINATED WITH OTHER TRADES AS IT RELATES TO ACCESS AND SERVICEABILITY OF THAT TRADES EQUIPMENT (I.E.: MECHANICAL UNITS, LIGHTS...) ANY SPRINKLER SYSTEM PIPING DETERMINED BY THE ENGINEER TO BE IN CONFLICT WITH OTHER TRADES WILL BE RELOCATED WITH ALL COST TO BE BORNE BY THE FIRE PROTECTION CONTRACTOR.

D. REFER TO ARCHITECTURAL BUILDING SECTIONS, WALL SECTIONS AND STRUCTURAL DRAWINGS FOR STRUCTURAL STEEL ELEVATIONS AND SPACE AVAILABLE ABOVE THE FINISHED CEILING. PROVIDE ALL APPROPRIATE SUPPORT AND BRACING TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION OF PIPING WITHIN THE GIVEN CONDITIONS.

E. THE CONTRACTOR SHALL ENSURE THAT NO PIPING OR EQUIPMENT WILL BE INSTALLED WITHIN 12'-0" OF ANY EXTERIOR BUILDING WALL OPENING. OPENINGS SHALL INCLUDE BUT SHALL NOT BE LIMITED TO RELIEF AIR, LOUVERS... TO PREVENT FREEZING OF PIPING AND EQUIPMENT. PIPING INSTALLED WITHIN THIS SPECIAL ZONE AND ANY DAMAGE RESULTING FROM THIS INSTALLATION WILL BE COMPLETELY RESTORED AND ALL ASSOCIATED COST BORNE BY THIS CONTRACTOR.

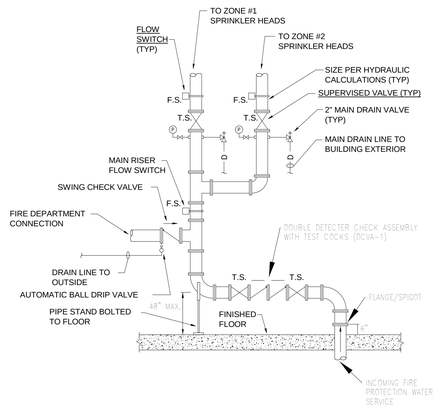
FIRE PROTECTION PLAN NOTES

KEY NUMBER	NOTES
1	PROPOSED FIRE PROTECTION MAIN ROUTING.
2	FIRE PROTECTION ZONE 1 UP MEZZANINE.
3	FIRE PROTECTION ZONE 2 UP TO MEZZANINE.
4	SPRINKLER SYSTEM SHALL ENTER GYMNASIUM HIGH WITHIN ROOF STRUCTURE. SPRINKLER PIPING SHALL NOT EXTEND DOWN EXPOSED WALL TO SERVE ADJACENT.



1 FLOOR CONTROL VALVE DETAIL

NOT TO SCALE



2 WET PIPE SPRINKLER RISER DETAIL

NOT TO SCALE

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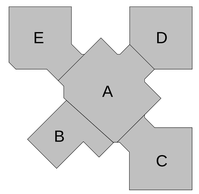

KEY PLAN

CONSTRUCTION DOCUMENTS

TIMOTHY C. LEHMAN REGISTERED No. PE 19800147 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: TCL
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	6/29/20

SECOND FLOOR FIRE PROTECTION PLAN

PFP.2

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UNIT A - FIRST FLOOR VENTILATION PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT A

ROOM NO.	ROOM NAME	AREA (SF)
A101	VESTIBULE	341 SF
A102	LOBBY	366 SF
A103	CORRIDOR	925 SF
A104	RECEPTION AREA	470 SF
A105	OFFICE	80 SF
A106	ASSISTANT PRINCIPAL'S OFFICE	166 SF
A107	PRINCIPAL'S OFFICE	214 SF
A108	OFFICE	87 SF
A109	RESTROOM	56 SF
A110	CORRIDOR	230 SF
A111	CONFERENCE ROOM	208 SF
A112	STORAGE	34 SF
A113	GUIDANCE CONFERENCE ROOM	127 SF
A115	WORKROOM	175 SF
A116	CLINIC	366 SF
A117	RESTROOM	54 SF
A118	STORAGE	48 SF
A119	CORRIDOR	488 SF
A120	CORRIDOR	289 SF
A121	CLASSROOM	956 SF
A122	GUIDANCE COUNCELOR'S OFFICE	377 SF
A123	CONFERENCE ROOM	433 SF
A124	SPEECH AND HEARING	154 SF
A125	OFFICE	127 SF
A126	WORKROOM	261 SF
A127	STORAGE	180 SF
A128	MEDIA CENTER	2434 SF
A129	STORAGE	305 SF
A130	PROJECT	1039 SF
A131	CORRIDOR	706 SF
A133	CUSTODIAL CLOSET	60 SF
A134	WORKROOM	600 SF
A135	STORAGE	112 SF
A136	MUSIC	1162 SF
A137	ART	1105 SF
A138	STORAGE / KILN	102 SF
A139	PUBLICATION	222 SF
A140	STORAGE	35 SF
A141	JANITOR CLOSET	43 SF

VENTILATION PLAN GENERAL NOTES

A. ALL DUCTWORK, PIPING AND VALVES SHALL BE CONCEALED ABOVE THE CEILING AND WITHIN WALLS, UNLESS OTHERWISE NOTED.
B. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS RELATED TO EQUIPMENT QUALITY, CONSTRUCTION AND FINISH OF MATERIALS.
C. ARRANGE DUCTWORK, PIPING, ETC. TO ALLOW FOR EASY ACCESS TO COILS, VALVES, DAMPERS AND CONTROLS. KEEP AREAS ADJACENT TO ACCESS PANELS FREE AND CLEAR OF ANY OBSTRUCTIONS.
D. SEAL DUCT PENETRATIONS THROUGH THE FLOOR AND/OR WALLS IN ACCORDANCE WITH MECHANICAL CODE AND SMACNA REQUIREMENTS. SEAL DUCT PENETRATIONS THROUGH FIRE RATED FLOORS AND/OR WALLS WITH A MATERIAL HAVING SAME FIRE RATING AS THE WALL AND/OR FLOOR.
E. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR HIS RESPECTIVE WORK FOR REPAIRING AND PATCHING TO MATCH EXISTING SURFACES, SIDEWALKS, STREETS, FLOORS, WALLS, ROOFS, CEILING AND PAVEMENT.
F. ALL RECTANGULAR SHEET METAL DUCT SIZES SHOWN ARE INSIDE FREE AREA DIMENSIONS. ALL ROUND DUCT SIZES SHOWN ARE INSIDE DIAMETERS.
G. PROVIDE BALANCING DAMPER AT EACH DUCT BRANCH, SERVING DIFFUSER, GRILLE AND REGISTER.
H. INSTALL WALL THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, ETC. 44" ABOVE THE FINISH FLOOR IN ACCORDANCE WITH ADA REQUIREMENTS.
I. COORDINATE ALL REQUIRED WALL, ROOF AND FLOOR OPENINGS (BOTH DIMENSIONS AND LOCATIONS) WITH ALL OTHER TRADES.
J. COORDINATE MECHANICAL SYSTEM INSTALLATION WITH STRUCTURE, FIRE PROTECTION AND LIGHTING LAYOUT.
K. PROVIDE ALL NECESSARY TRANSITIONS TO EQUIPMENT FROM SIZES SHOWN ON PLAN.
L. ALL RETURN/EXHAUST AIR DUCT ABOVE LOCKERS/SHOWER AREAS SHALL BE MADE OF ALUMINUM IN ACCORDANCE WITH SMACNA REQUIREMENTS.

VENTILATION PLAN NOTES

(X)

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

NO.	DESCRIPTION
V1	AIR TRANSFER WALL OPENING LOCATED ABOVE THE CEILING. COORDINATE EXACT LOCATION WITH ALL TRADES.
V2	ACOUSTICALLY LINED AIR TRANSFER SOUND TRAP. EXTEND DUCTWORK UP TO PROVIDE NO LINE OF SITE FROM OPENING TO OPENING.
V3	INSTALL DUCTWORK SLEEVE AS REQUIRED FOR INSTALLATION OF DUCT MOUNTED SMOKE DETECTOR AND SMOKE DAMPER. SMOKE DETECTOR PROVIDED AND INSTALLED BY DIVISION 28 CONTRACTOR. COORDINATE SIZE AND LOCATION WITH DIVISION 28 CONTRACTOR.
V4	APPROXIMATE LOCATION OF DUCT STATIC PRESSURE SENSOR. SENSOR PROVIDED BY TEMPERATURE CONTROL CONTRACTOR AND INSTALLED BY HVAC CONTRACTOR.
V7	WRAP EXHAUST DUCTWORK WITH INSULATION FROM SOFFIT GRILLE TO EXHAUST FAN.
V8	RANGE HOOD PROVIDED UNDER A SEPARATE CONTRACT. 7" DIAMETER VENT ROUTED FROM RANGE HOOD LOCATION UP THROUGH THE ROOF AND TERMINATED WITH A GOOSENECK FITTING. CONFIRM DUCTWORK SIZE WITH RANGE HOOD MANUFACTURER. MECHANICAL CONTRACTOR SHALL CONNEC TO RANGE HOOD AS REQUIRED. COORDINATE WITH ALL TRADES. EXHAUST DUCTWORK SHALL INCLUDE A BACKDRAFT DAMPER AND BE INSULATED THE ENTIRE LENGTH.
V10	PROVIDE KILN HOOD SYSTEM LIKE VENT-A-KILN VARIABLE HEIGHT ROUND HOOD SYSTEM. HOOD SYSTEM SHALL INCLUDE A 32" DIAMETER ALUMINUM HOOD WITH 6" DIAMETER DUCT COLLAR, CEILING MOUNTING BRACKET, OVERHEAD COUNTERWEIGHT PULLEY SYSTEM, HOOD HANGING BRACKET, 500 CFM NEGATIVE PRESSURE BLOWER, 10 FEET OF 6" DIAMETER FLEXIBLE ALUMINUM VENT HOSE AND CLAMPS. CONTRACTOR SHALL INSTALL HOOD SYSTEM PER MANUFACTURER'S REQUIREMENTS. REFER TO DETAIL.
V11	6" DIAMETER SHEET METAL EXHAUST DUCT THROUGH CEILING TILE. PROVIDE ESCUTCHEON RING FOR DUCT PENETRATION OF CEILING.
V17	PROVIDE OPPOSED BLADE BALANCING DAMPER WITH GRILLE. DAMPER SHALL BE ADJUSTABLE FROM GRILLE FACE.
V20	DUCTWORK SHALL BE INTERNALLY LINED.

VERIFICATION NOTE

CONTRACTOR 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.

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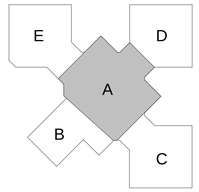

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT

DRAWN BY: MZH

PROJECT NUMBER: 219124.00

PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06/29/2020

FIRST FLOOR VENTILATION PLAN - UNIT A

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ROOM LEGEND - FIRST FLOOR UNIT C

ROOM NO.	ROOM NAME	AREA (SF)
C101	CORRIDOR	597 SF
C102	PROJECT / LGI	971 SF
C103	CLASSROOM	897 SF
C104	CLASSROOM	976 SF
C105	CLASSROOM	911 SF
C106	CLASSROOM	976 SF
C107	CLASSROOM	983 SF
C108	CORRIDOR	182 SF
C109	VESTIBULE	70 SF
C110	CLASSROOM	974 SF
C111	CLASSROOM	990 SF
C112	CLASSROOM	982 SF
C113	CLASSROOM	911 SF
C114	CLASSROOM	975 SF
C115	CLASSROOM	898 SF
C116	SPECIAL EDUCATION RESOURCE	946 SF
C117	RESTROOM	56 SF
C118	QUIET ROOM	54 SF
C119	CORRIDOR	78 SF
C120	COMMONS	1165 SF
C121	CORRIDOR	143 SF
C122	COMMONS	1165 SF
C123	TECHNOLOGY CLOSET	61 SF
C124A	SMALL GROUP ROOM	131 SF
C124B	SMALL GROUP ROOM	131 SF
C125	RESTROOM VESTIBULE	72 SF
C126	GIRL'S RESTROOM	146 SF
C127	BOY'S RESTROOM	146 SF
C128	RESTROOM	47 SF
C129	WORKROOM	178 SF
C130	CUSTODIAL CLOSET	68 SF
C131	RESTROOM VESTIBULE	72 SF
C132	BOY'S RESTROOM	146 SF
C133	GIRL'S RESTROOM	146 SF

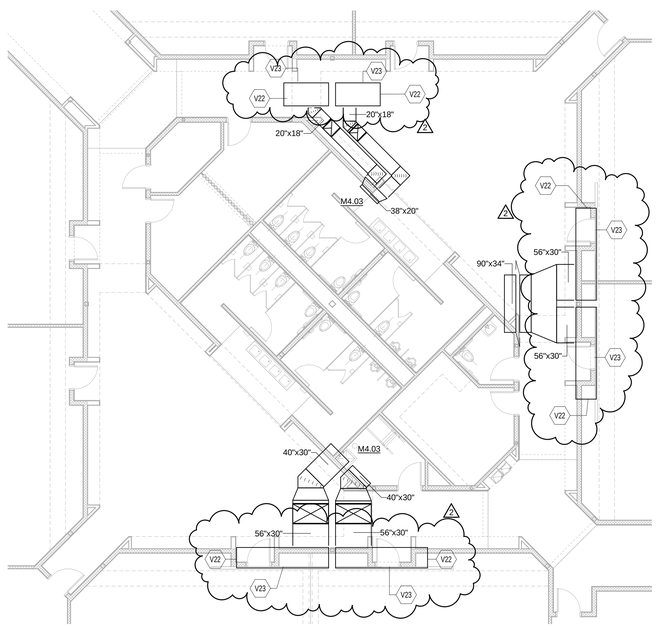
VENTILATION PLAN GENERAL NOTES

A. ALL DUCTWORK, PIPING AND VALVES SHALL BE CONCEALED ABOVE THE CEILING AND WITHIN WALLS, UNLESS OTHERWISE NOTED.
B. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS RELATED TO EQUIPMENT QUALITY, CONSTRUCTION AND FINISH OF MATERIALS.
C. ARRANGE DUCTWORK, PIPING, ETC. TO ALLOW FOR EASY ACCESS TO COILS, VALVES, DAMPERS AND CONTROLS. KEEP AREAS ADJACENT TO ACCESS PANELS FREE AND CLEAR OF ANY OBSTRUCTIONS.
D. SEAL DUCT PENETRATIONS THROUGH THE FLOOR AND/OR WALLS IN ACCORDANCE WITH MECHANICAL CODE AND SMACNA REQUIREMENTS. SEAL DUCT PENETRATIONS THROUGH FIRE RATED FLOORS AND/OR WALLS WITH A MATERIAL HAVING SAME FIRE RATING AS THE WALL AND/OR FLOOR.
E. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR HIS RESPECTIVE WORK FOR REPAIRING AND PATCHING TO MATCH EXISTING SURFACES, SIDEWALKS, STREETS, FLOORS, WALLS, ROOFS, CEILING AND PAVEMENT.
F. ALL RECTANGULAR SHEET METAL DUCT SIZES SHOWN ARE INSIDE FREE AREA DIMENSIONS. ALL ROUND DUCT SIZES SHOWN ARE INSIDE DIAMETERS.
G. PROVIDE BALANCING DAMPER AT EACH DUCT BRANCH, SERVING DIFFUSER, GRILLE AND REGISTER.
H. INSTALL WALL THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, ETC. 44" ABOVE THE FINISH FLOOR IN ACCORDANCE WITH ADA REQUIREMENTS.
I. COORDINATE ALL REQUIRED WALL, ROOF AND FLOOR OPENINGS (BOTH DIMENSIONS AND LOCATIONS) WITH ALL OTHER TRADES.
J. COORDINATE MECHANICAL SYSTEM INSTALLATION WITH STRUCTURE, FIRE PROTECTION AND LIGHTING LAYOUT.
K. PROVIDE ALL NECESSARY TRANSITIONS TO EQUIPMENT FROM SIZES SHOWN ON PLAN.
L. ALL RETURN/EXHAUST AIR DUCT ABOVE LOCKERS/SHOWER AREAS SHALL BE MADE OF ALUMINUM IN ACCORDANCE WITH SMACNA REQUIREMENTS.

VENTILATION PLAN NOTES

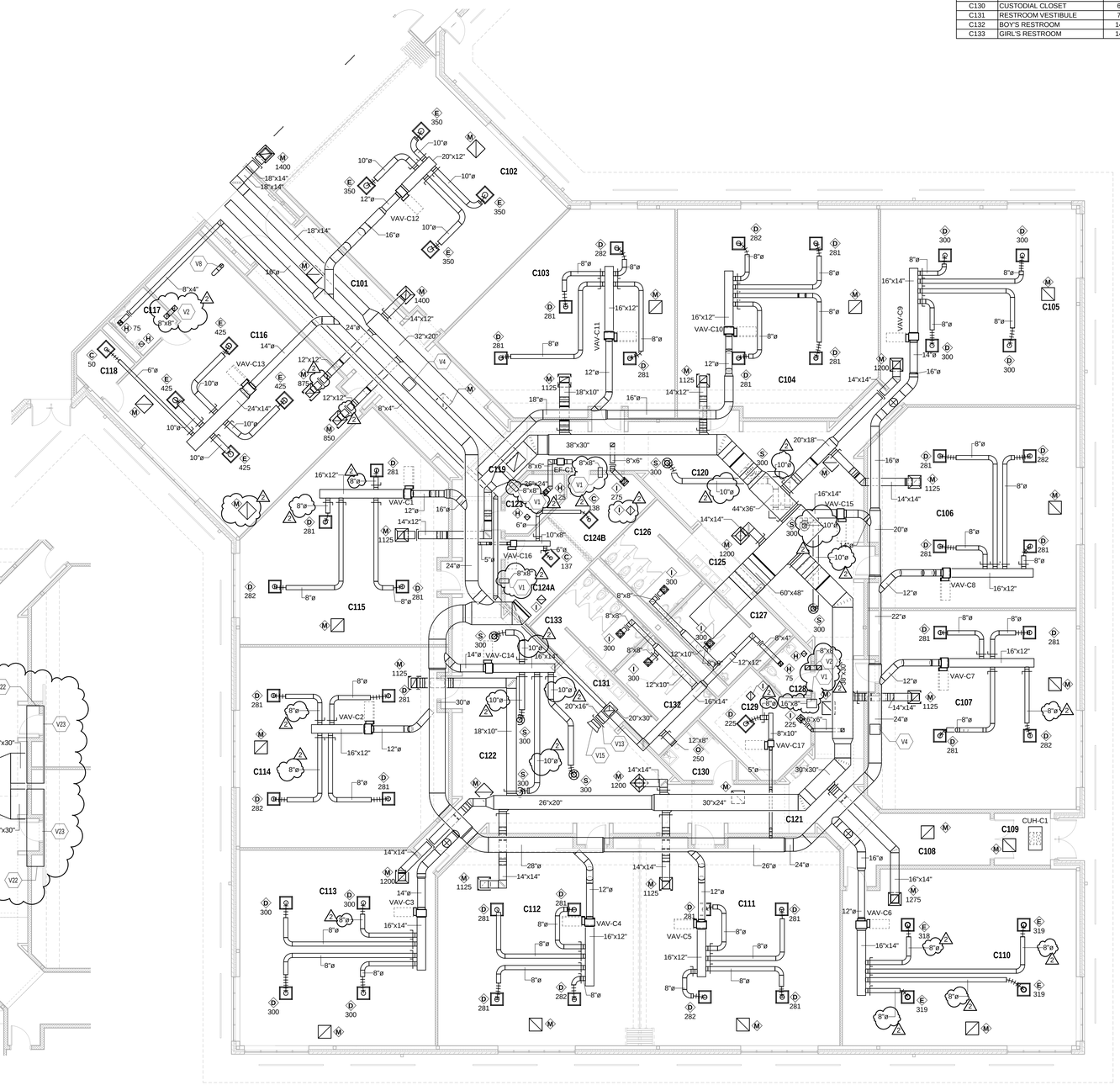
(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

NO.	DESCRIPTION
V1	AIR TRANSFER WALL OPENING LOCATED ABOVE THE CEILING. COORDINATE EXACT LOCATION WITH ALL TRADES.
V2	ACOUSTICALLY LINED AIR TRANSFER SOUND TRAP. EXTEND DUCTWORK UP TO PROVIDE NO LINE OF SITE FROM OPENING TO OPENING.
V4	APPROXIMATE LOCATION OF DUCT STATIC PRESSURE SENSOR. SENSOR PROVIDED BY TEMPERATURE CONTROL CONTRACTOR AND INSTALLED BY HVAC CONTRACTOR.
V8	RANGE HOOD PROVIDED UNDER A SEPARATE CONTRACT. 7" DIAMETER VENT ROUTED FROM RANGE HOOD LOCATION UP THROUGH THE ROOF AND TERMINATED WITH A GOOSENECK FITTING. CONFIRM DUCTWORK SIZE WITH RANGE HOOD MANUFACTURER. MECHANICAL CONTRACTOR SHALL CONNEC TO RANGE HOOD AS REQUIRED. COORDINATE WITH ALL TRADES. EXHAUST DUCTWORK SHALL INCLUDE A BACKDRAFT DAMPER AND BE INSULATED THE ENTIRE LENGTH.
V13	BALANCE TO 1,860 CFM.
V15	END OF DUCT OPEN TO PLENUM SPACE ABOVE THE CEILING. OPENING TO BE PROTECTED WITH BIRDSCREEN.
V22	PROVIDE PLENUM WALL LOUVER. MINIMUM 32" DEEP PLENUM WITH PITCHED BOTTOM TO DRAIN WATER TO OUTDOORS. PROVIDE DRAINS IN PLENUM, REFER TO M3 DRAWINGS.
V23	PROVIDE TRAPEZOIDAL LOUVER IN DORMER. REFER TO LOUVER ELEVATIONS ON THE ARCHITECTURAL DRAWINGS FOR FURTHER INFORMATION.



UNIT C UPPER VENTILATION PLAN

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



UNIT C - FIRST FLOOR VENTILATION PLAN

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

VERIFICATION NOTE

CONTRACTOR 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.

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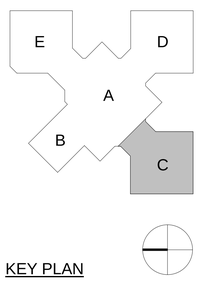

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT

DRAWN BY: MZH

PROJECT NUMBER: 219124.00

PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06/29/2020

FIRST FLOOR VENTILATION PLAN - UNIT C

M2.03

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ROOM LEGEND - FIRST FLOOR UNIT D		
ROOM NO.	ROOM NAME	AREA (SF)
D101	CORRIDOR	216 SF
D102	CLASSROOM	897 SF
D103	CLASSROOM	976 SF
D104	CLASSROOM	911 SF
D105	CLASSROOM	976 SF
D106	CLASSROOM	983 SF
D107	CORRIDOR	182 SF
D108	VESTIBULE	70 SF
D109	CLASSROOM	974 SF
D110	CLASSROOM	990 SF
D111	CLASSROOM	982 SF
D112	CLASSROOM	911 SF
D113	CLASSROOM	975 SF
D114	CLASSROOM	898 SF
D115	CORRIDOR	88 SF
D116	COMMONS	1160 SF
D117	CORRIDOR	143 SF
D118	COMMONS	1160 SF
D119	TECHNOLOGY CLOSET	61 SF
D120A	SMALL GROUP ROOM	131 SF
D120B	SMALL GROUP ROOM	131 SF
D121	RESTROOM VESTIBULE	72 SF
D122	GIRL'S RESTROOM	146 SF
D123	BOY'S RESTROOM	146 SF
D124	RESTROOM	47 SF
D125	WORKROOM	178 SF
D126	CUSTODIAL CLOSET	68 SF
D127	RESTROOM VESTIBULE	72 SF
D128	BOY'S RESTROOM	146 SF
D129	GIRL'S RESTROOM	146 SF

VENTILATION PLAN GENERAL NOTES

A. ALL DUCTWORK, PIPING AND VALVES SHALL BE CONCEALED ABOVE THE CEILING AND WITHIN WALLS, UNLESS OTHERWISE NOTED.
B. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS RELATED TO EQUIPMENT QUALITY, CONSTRUCTION AND FINISH OF MATERIALS.
C. ARRANGE DUCTWORK, PIPING, ETC. TO ALLOW FOR EASY ACCESS TO COILS, VALVES, DAMPERS AND CONTROLS. KEEP AREAS ADJACENT TO ACCESS PANELS FREE AND CLEAR OF ANY OBSTRUCTIONS.
D. SEAL DUCT PENETRATIONS THROUGH THE FLOOR AND/OR WALLS IN ACCORDANCE WITH MECHANICAL CODE AND SMACNA REQUIREMENTS. SEAL DUCT PENETRATIONS THROUGH FIRE RATED FLOORS AND/OR WALLS WITH A MATERIAL HAVING SAME FIRE RATING AS THE WALL AND/OR FLOOR.
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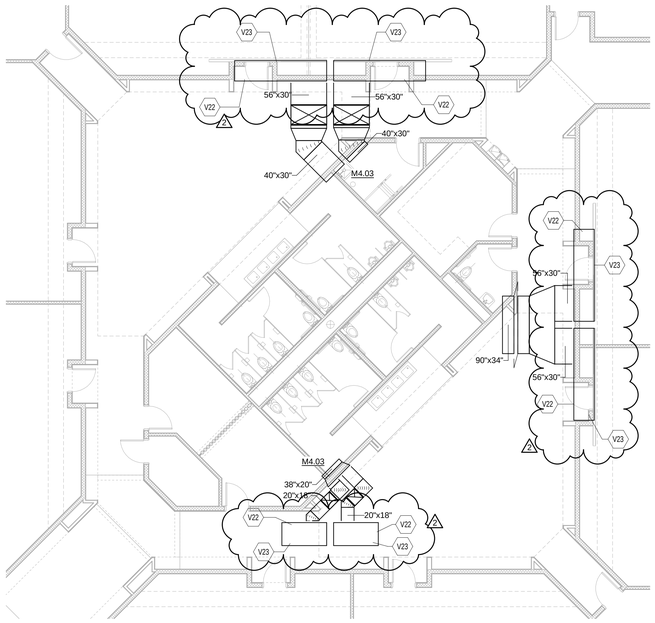
F. ALL RECTANGULAR SHEET METAL DUCT SIZES SHOWN ARE INSIDE FREE AREA DIMENSIONS. ALL ROUND DUCT SIZES SHOWN ARE INSIDE DIAMETERS.
G. PROVIDE BALANCING DAMPER AT EACH DUCT BRANCH, SERVING DIFFUSER, GRILLE AND REGISTER.
H. INSTALL WALL THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, ETC. 44" ABOVE THE FINISH FLOOR IN ACCORDANCE WITH ADA REQUIREMENTS.
I. COORDINATE ALL REQUIRED WALL, ROOF AND FLOOR OPENINGS (BOTH DIMENSIONS AND LOCATIONS) WITH ALL OTHER TRADES.
J. COORDINATE MECHANICAL SYSTEM INSTALLATION WITH STRUCTURE, FIRE PROTECTION AND LIGHTING LAYOUT.
K. PROVIDE ALL NECESSARY TRANSITIONS TO EQUIPMENT FROM SIZES SHOWN ON PLAN.
L. ALL RETURN/EXHAUST AIR DUCT ABOVE LOCKERS/SHOWER AREAS SHALL BE MADE OF ALUMINUM IN ACCORDANCE WITH SMACNA REQUIREMENTS.

VENTILATION PLAN NOTES

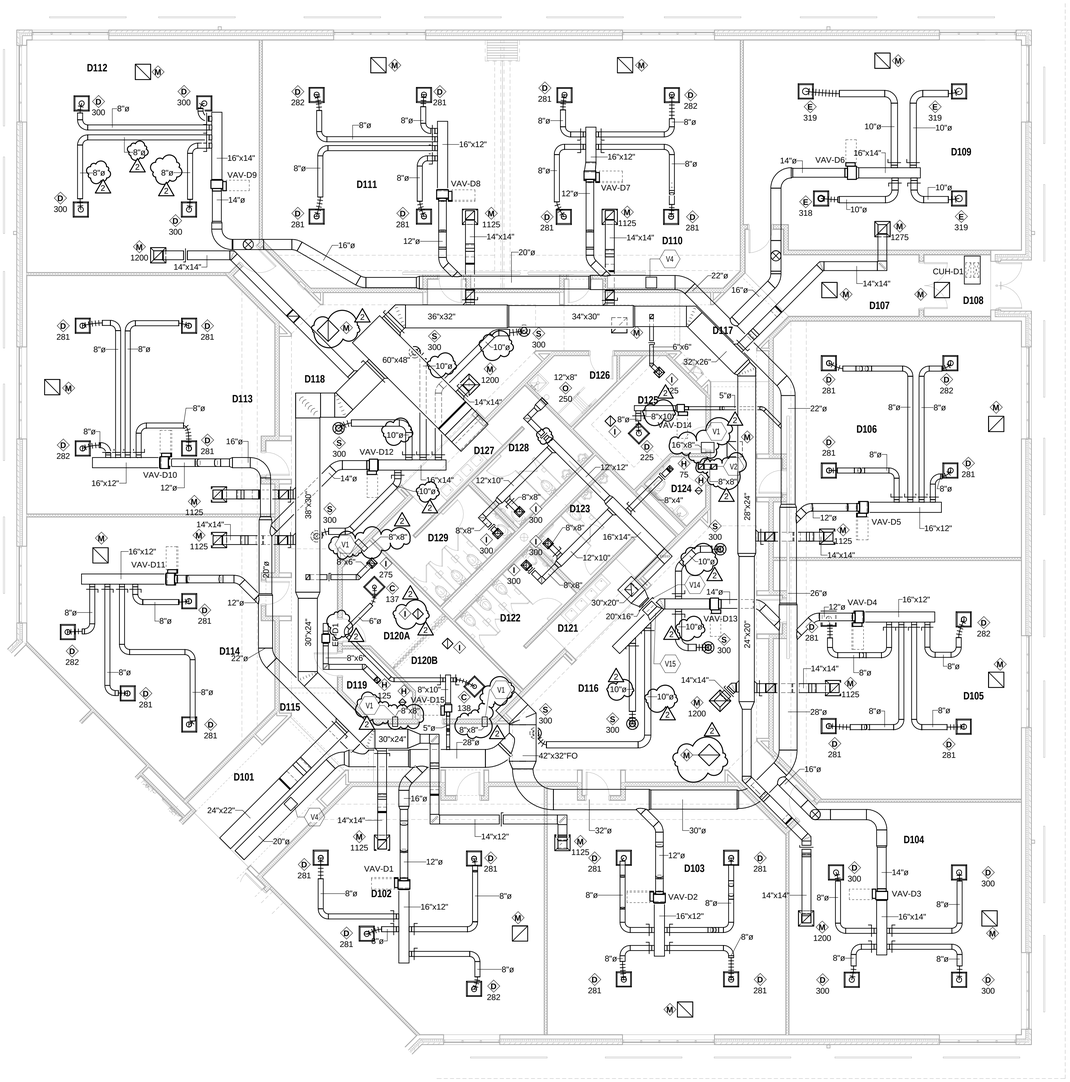
(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

NO.	DESCRIPTION
V1	AIR TRANSFER WALL OPENING LOCATED ABOVE THE CEILING. COORDINATE EXACT LOCATION WITH ALL TRADES.
V2	ACOUSTICALLY LINED AIR TRANSFER SOUND TRAP. EXTEND DUCTWORK UP TO PROVIDE NO LINE OF SITE FROM OPENING TO OPENING.
V4	APPROXIMATE LOCATION OF DUCT STATIC PRESSURE SENSOR. SENSOR PROVIDED BY TEMPERATURE CONTROL CONTRACTOR AND INSTALLED BY HVAC CONTRACTOR.
V14	BALANCE TO 1,935 CFM.
V15	END OF DUCT OPEN TO PLENUM SPACE ABOVE THE CEILING. OPENING TO BE PROTECTED WITH BIRDSCREEN.
V22	PROVIDE PLENUM WALL LOUVER. MINIMUM 32" DEEP PLENUM WITH PITCHED BOTTOM TO DRAIN WATER TO OUTDOORS. PROVIDE DRAINS IN PLENUM, REFER TO M3 DRAWINGS.
V23	PROVIDE TRAPEZOIDAL LOUVER IN DORMER. REFER TO LOUVER ELEVATIONS ON THE ARCHITECTURAL DRAWINGS FOR FURTHER INFORMATION.



UNIT D UPPER VENTILATION PLAN

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



UNIT D - FIRST FLOOR VENTILATION PLAN

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

VERIFICATION NOTE

CONTRACTOR 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.

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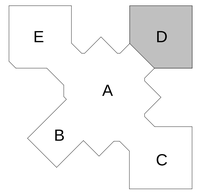

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT
DRAWN BY: MZH
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06/29/2020

FIRST FLOOR VENTILATION PLAN - UNIT D

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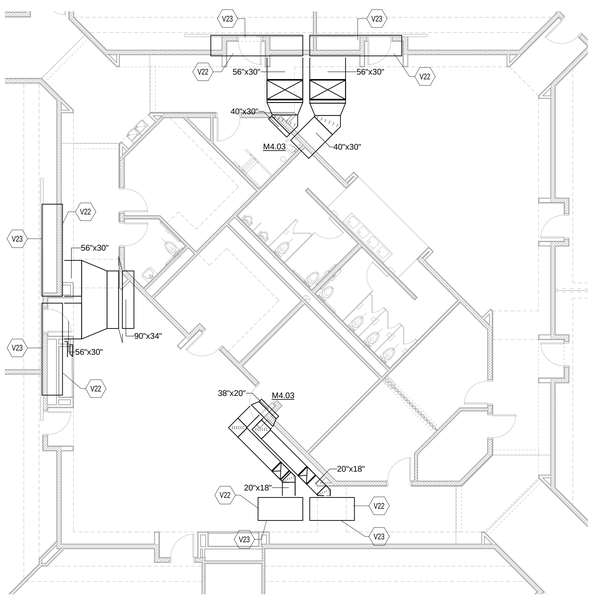
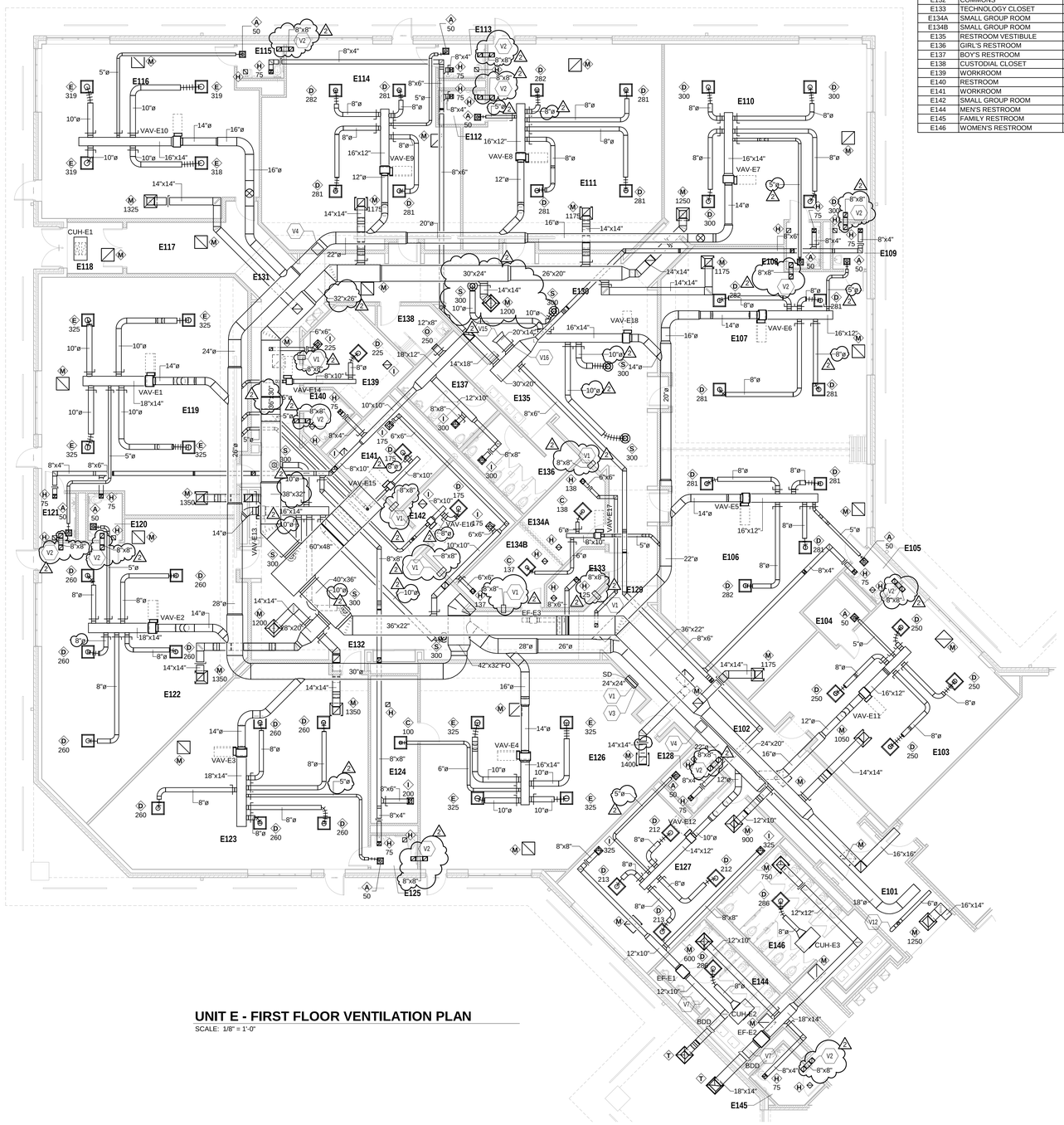


UNIT E UPPER VENTILATION PLAN

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



UNIT E - FIRST FLOOR VENTILATION PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT E

ROOM NO.	ROOM NAME	AREA (SF)
E101	CORRIDOR	216 SF
E102	CORRIDOR	529 SF
E103	SPECIAL EDUCATION	789 SF
E104	QUIET ROOM	54 SF
E105	RESTROOM	39 SF
E106	CLASSROOM	942 SF
E107	CLASSROOM	954 SF
E108	RESTROOM	39 SF
E109	RESTROOM	39 SF
E110	CLASSROOM	942 SF
E111	KINDERGARTEN CLASSROOM	938 SF
E112	KINDERGARTEN RESTROOM	39 SF
E113	KINDERGARTEN RESTROOM	39 SF
E114	KINDERGARTEN CLASSROOM	907 SF
E115	KINDERGARTEN RESTROOM	39 SF
E116	KINDERGARTEN CLASSROOM	888 SF
E117	CORRIDOR	179 SF
E118	VESTIBULE	70 SF
E119	KINDERGARTEN CLASSROOM	1139 SF
E120	KINDERGARTEN RESTROOM	39 SF
E121	KINDERGARTEN RESTROOM	39 SF
E122	KINDERGARTEN CLASSROOM	1132 SF
E123	KINDERGARTEN CLASSROOM	1066 SF
E124	STORAGE	171 SF
E125	KINDERGARTEN RESTROOM	39 SF
E126	SCIENCE	1089 SF
E127	TEACHER'S LOUNGE	533 SF
E128	RESTROOM	54 SF
E129	CORRIDOR	83 SF
E130	COMMONS	1155 SF
E131	CORRIDOR	142 SF
E132	COMMONS	1136 SF
E133	TECHNOLOGY CLOSET	61 SF
E134A	SMALL GROUP ROOM	131 SF
E134B	SMALL GROUP ROOM	131 SF
E135	RESTROOM VESTIBULE	74 SF
E136	GIRL'S RESTROOM	146 SF
E137	BOY'S RESTROOM	146 SF
E138	CUSTODIAL CLOSET	68 SF
E139	WORKROOM	178 SF
E140	RESTROOM	47 SF
E141	WORKROOM	171 SF
E142	SMALL GROUP ROOM	171 SF
E144	MEN'S RESTROOM	255 SF
E145	FAMILY RESTROOM	63 SF
E146	WOMEN'S RESTROOM	333 SF

VENTILATION PLAN GENERAL NOTES

A. ALL DUCTWORK, PIPING AND VALVES SHALL BE CONCEALED ABOVE THE CEILING AND WITHIN WALLS, UNLESS OTHERWISE NOTED.
B. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS RELATED TO EQUIPMENT QUALITY, CONSTRUCTION AND FINISH OF MATERIALS.
C. ARRANGE DUCTWORK, PIPING, ETC. TO ALLOW FOR EASY ACCESS TO COILS, VALVES, DAMPERS AND CONTROLS. KEEP AREAS ADJACENT TO ACCESS PANELS FREE AND CLEAR OF ANY OBSTRUCTIONS.
D. SEAL DUCT PENETRATIONS THROUGH THE FLOOR AND/OR WALLS IN ACCORDANCE WITH MECHANICAL CODE AND SMACNA REQUIREMENTS. SEAL DUCT PENETRATIONS THROUGH FIRE RATED FLOORS AND/OR WALLS WITH A MATERIAL HAVING SAME FIRE RATING AS THE WALL AND/OR FLOOR.
E. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR HIS RESPECTIVE WORK FOR REPAIRING AND PATCHING TO MATCH EXISTING SURFACES, SIDEWALKS, STREETS, FLOORS, WALLS, ROOFS, CEILING AND PAVEMENT.
F. ALL RECTANGULAR SHEET METAL DUCT SIZES SHOWN ARE INSIDE FREE AREA DIMENSIONS. ALL ROUND DUCT SIZES SHOWN ARE INSIDE DIAMETERS.
G. PROVIDE BALANCING DAMPER AT EACH DUCT BRANCH, SERVING DIFFUSER, GRILLE AND REGISTER.
H. INSTALL WALL THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, ETC. 44" ABOVE THE FINISH FLOOR IN ACCORDANCE WITH ADA REQUIREMENTS. COORDINATE ALL REQUIRED WALL, ROOF AND FLOOR OPENINGS (BOTH DIMENSIONS AND LOCATIONS) WITH ALL OTHER TRADES.
I. COORDINATE MECHANICAL SYSTEM INSTALLATION WITH STRUCTURE, FIRE PROTECTION AND LIGHTING LAYOUT.
J. PROVIDE ALL NECESSARY TRANSITIONS TO EQUIPMENT FROM SIZES SHOWN ON PLAN.
K. ALL RETURN/EXHAUST AIR DUCT ABOVE LOCKERS/SHOWER AREAS SHALL BE MADE OF ALUMINUM IN ACCORDANCE WITH SMACNA REQUIREMENTS.
L.

VENTILATION PLAN NOTES

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NO.	DESCRIPTION
V1	AIR TRANSFER WALL OPENING LOCATED ABOVE THE CEILING. COORDINATE EXACT LOCATION WITH ALL TRADES.
V2	ACOUSTICALLY LINED AIR TRANSFER SOUND TRAP. EXTEND DUCTWORK UP TO PROVIDE NO LINE OF SITE FROM OPENING TO OPENING.
V3	INSTALL DUCTWORK SLEEVE AS REQUIRED FOR INSTALLATION OF DUCT MOUNTED SMOKE DETECTOR AND SMOKE DAMPER. SMOKE DETECTOR PROVIDED AND INSTALLED BY DIVISION 28 CONTRACTOR. COORDINATE SIZE AND LOCATION WITH DIVISION 28 CONTRACTOR.
V4	APPROXIMATE LOCATION OF DUCT STATIC PRESSURE SENSOR. SENSOR PROVIDED BY TEMPERATURE CONTROL CONTRACTOR AND INSTALLED BY HVAC CONTRACTOR.
V7	WRAP EXHAUST DUCTWORK WITH INSULATION FROM SOFFIT GRILLE TO EXHAUST FAN.
V12	ROUTE EXHAUST DUCTWORK UP THROUGH THE ROOF AND TERMINATE WITH A GOOSENECK FITTING.
V15	END OF DUCT OPEN TO PLENUM SPACE ABOVE THE CEILING. OPENING TO BE PROTECTED WITH BIRDSCREEN.
V16	BALANCE TO 1,585 CFM.
V22	PROVIDE PLENUM WALL LOUVER. MINIMUM 32" DEEP PLENUM WITH PITCHED BOTTOM TO DRAIN WATER TO OUTDOORS. PROVIDE DRAINS IN PLENUM, REFER TO M3 DRAWINGS.
V23	PROVIDE TRAPEZOIDAL LOUVER IN DORMER. REFER TO LOUVER ELEVATIONS ON THE ARCHITECTURAL DRAWINGS FOR FURTHER INFORMATION.

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

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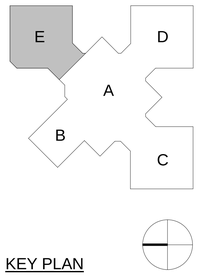

KEY PLAN

CONSTRUCTION DOCUMENTS

TIMOTHY C. LEHMAN REGISTERED No. PE 19800147 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: MZH
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06/29/2020

FIRST FLOOR VENTILATION PLAN - UNIT E

M2.05

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UNIT B - FIRST FLOOR VENTILATION PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT B

ROOM NO.	ROOM NAME	AREA (SF)
B101	VESTIBULE	270 SF
B102	EVENT LOBBY	1567 SF
B103	STUDENT DINING	3444 SF
B104	RAMP	199 SF
B105	PLATFORM	845 SF
B106	STORAGE	118 SF
B107	CHAIR STORAGE	148 SF
B108	GYMNASIUM	6377 SF
B109	PE OFFICE	129 SF
B110	PE STORAGE	272 SF
B111	OUTDOOR STORAGE	467 SF
B112	MECHANICAL	1212 SF
B113	ELECTRICAL	167 SF
B114	COOLER / FREEZER	331 SF
B115	WARE WASHING	254 SF
B116	SERVING AREA	216 SF
B117	KITCHEN	1241 SF
B118	OFFICE	81 SF
B119	RESTROOM	53 SF
B120	CORRIDOR	350 SF
B121	DRY FOOD STORAGE	204 SF
B122	CUSTODIAL	75 SF
B123	OFFICE	108 SF
B124	CORRIDOR	372 SF
B125	CORRIDOR	488 SF
B126	ELECTRICAL	57 SF
B127	STORAGE	81 SF
B128	CORRIDOR	314 SF

VENTILATION PLAN GENERAL NOTES

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B. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS RELATED TO EQUIPMENT QUALITY, CONSTRUCTION AND FINISH OF MATERIALS.
C. ARRANGE DUCTWORK, PIPING, ETC. TO ALLOW FOR EASY ACCESS TO COILS, VALVES, DAMPERS AND CONTROLS. KEEP AREAS ADJACENT TO ACCESS PANELS FREE AND CLEAR OF ANY OBSTRUCTIONS.
D. SEAL DUCT PENETRATIONS THROUGH THE FLOOR AND/OR WALLS IN ACCORDANCE WITH MECHANICAL CODE AND SMACNA REQUIREMENTS. SEAL DUCT PENETRATIONS THROUGH FIRE RATED FLOORS AND/OR WALLS WITH A MATERIAL HAVING SAME FIRE RATING AS THE WALL AND/OR FLOOR.
E. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR HIS RESPECTIVE WORK FOR REPAIRING AND PATCHING TO MATCH EXISTING SURFACES, SIDEWALKS, STREETS, FLOORS, WALLS, ROOFS, CEILING AND PAVEMENT.
F. ALL RECTANGULAR SHEET METAL DUCT SIZES SHOWN ARE INSIDE FREE AREA DIMENSIONS. ALL ROUND DUCT SIZES SHOWN ARE INSIDE DIAMETERS.
G. PROVIDE BALANCING DAMPER AT EACH DUCT BRANCH, SERVING DIFFUSER, GRILLE AND REGISTER.
H. INSTALL WALL THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, ETC. 44" ABOVE THE FINISH FLOOR IN ACCORDANCE WITH ADA REQUIREMENTS. COORDINATE ALL REQUIRED WALL, ROOF AND FLOOR OPENINGS (BOTH DIMENSIONS AND LOCATIONS) WITH ALL OTHER TRADES.
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K. PROVIDE ALL NECESSARY TRANSITIONS TO EQUIPMENT FROM SIZES SHOWN ON PLAN.
L. ALL RETURN/EXHAUST AIR DUCT ABOVE LOCKERS/SHOWER AREAS SHALL BE MADE OF ALUMINUM IN ACCORDANCE WITH SMACNA REQUIREMENTS.

VENTILATION PLAN NOTES

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

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V4	APPROXIMATE LOCATION OF DUCT STATIC PRESSURE SENSOR. SENSOR PROVIDED BY TEMPERATURE CONTROL CONTRACTOR AND INSTALLED BY HVAC CONTRACTOR.
V9	DOUBLE-WALL DUCTWORK. REFER TO SPECIFICATIONS.
V18	BALANCE DAMPER SHALL BE INSTALLED IN THE VERTICAL DUCTWORK.
V19	APPROXIMATE LOCATION OF WASHER/DRYER PROVIDED UNDER A SEPARATE CONTRACT. 4" DIAMETER VENT ROUTED FROM DRYER VENT TO DRYER LOCATION. DRYER VENT SHALL BE ALUMINUM CONSTRUCTION, SIMILAR TO FAMCO - DWVA. DRYER VENT SHALL INCLUDE A FEATHERWEIGHT BACKDRAFT DAMPER. VENT ROUTED EXPOSED AGAINS THE WALL AND PAINTED TO MATCH ADJACENT WALL. SECURELY FASTEN TO THE WALL. PROVIDE CLEANOUTS AT EACH CHANGE OF DIRECTION ELBOW. REFER TO DETAIL.
V20	DUCTWORK SHALL BE INTERNALLY LINED.
V21	EXPOSED DUCTWORK TO BE PAINTED. COORDINATE COLOR WITH ARCHITECT/ENGINEER. CLEAN AND PREPARE DUCTWORK TO ENSURE PAINT ADHERES TO DUCTWORK.

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

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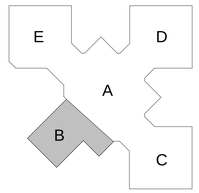

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT
DRAWN BY: MZH
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06/29/2020

FIRST FLOOR VENTILATION PLAN - UNIT B

M2.02

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AIR HANDLING UNIT SCHEDULE

MARK	SUPPLY FAN CFM	NORMAL O.A. CFM	MAX. O.A. CFM	EXT. S.P.	TOTAL S.P.	HP	TYPE	ELEC.	COOLING COIL (EWT 44°) EAT	LAT	COOLING LOAD SENS.	COOLING LOAD TOTAL	GPM	LWT	WPD	APD	HEATING COIL (EWT 140°) EAT	LAT	MBH	GPM	LWT	WPD	APD	NOTES
AHU-A1	10,000	4,500	10,000	3.25	6.03	15.0	PLENUM	460/3	82.3 / 68.5	53.2 / 52.9	321.1	482.6	80.2	56.0	6.44	0.85	40.8	85.0	479.3	24.0	100.0	0.82	0.22	1,2,3,4,5,6,7,9,10,11,12
AHU-A2	4,600	920	4,600	3.00	6.49	5.0 x 2	PLENUM	460/3	78.3 / 65.2	52.9 / 52.8	128.6	169.8	28.2	56.0	3.35	0.69	58.1	85.0	134.2	6.7	100.0	0.42	0.17	1,2,3,4,5,6,7,9,10,11,12
AHU-A3	5,675	2,270	5,675	3.25	5.96	9.0	PLENUM	460/3	81.5 / 67.8	53.1 / 52.8	177.7	261.1	43.3	56.0	5.44	0.69	44.2	85.0	251.1	12.6	100.0	0.55	0.22	1,2,3,4,5,6,7,9,10,11,12
AHU-A4	4,000	1,400	4,000	325	6.07	3.0 x 2	PLENUM	460/3	80.7 / 67.3	53.5 / 53.1	119.9	173.6	28.8	56.0	3.48	0.55	47.7	85.0	161.8	8.1	100.0	0.46	0.15	1,2,3,4,5,6,7,9,10,11,12
AHU-B1	12,000	4,200	12,000	1.50	4.07	12.5	PLENUM	460/3	80.7 / 67.3	52.8 / 52.5	368.9	540.0	114.7	53.3	8.30	0.74	47.7	85.0	485.5	70.0	126.1	6.10	0.13	1,2,3,4,5,6,7,8,9,10,11,12
AHU-C1	18,200	7,280	18,200	3.50	5.85	7.5 x 4	PLENUM	460/3	78.2 / 66.9	53.0 / 52.9	506.2	776.7	129.0	56.0	5.78	0.79	55.4	90.0	681.7	34.1	100.0	0.53	0.22	1,2,3,4,5,6,7,9,10,11,12
AHU-D1	18,200	7,280	18,200	3.50	5.85	7.5 x 4	PLENUM	460/3	78.2 / 66.9	53.0 / 52.9	506.2	776.7	129.0	56.0	5.78	0.79	55.4	90.0	681.7	34.1	100.0	0.53	0.22	1,2,3,4,5,6,7,9,10,11,12
AHU-E1	18,200	7,280	18,200	3.50	5.85	7.5 x 4	PLENUM	460/3	78.2 / 66.9	53.0 / 52.9	506.2	776.7	129.0	56.0	5.78	0.79	55.4	90.0	681.7	34.1	100.0	0.53	0.22	1,2,3,4,5,6,7,9,10,11,12

2

NOTES:

1. SINGLE POINT ELECTRICAL CONNECTION TO UNITS.
2. REFER TO SPECIFICATION SECTION 237313.
3. MAXIMUM HEATING COIL FACE VELOCITY SHALL BE 507 FPM.
4. MAXIMUM FILTER FACE VELOCITY SHALL BE 500 FPM.
5. REFER TO PLANS & SCHEMATIC SHEETS FOR UNIT LAYOUT DETAILS.
6. VARIABLE FREQUENCY CONTROLLER (VFC) SHALL BE PROVIDED ON SUPPLY FAN,
7. TOTAL STATIC PRESSURE REFLECTS AVERAGE MID-LIFE DIRTY FILTERS.
8. INSTALL HEATING COIL IN A RE-HEAT POSITION.
9. UNIT TO BE PROVIDED WITH A BLENDER SECTION.
10. PROVIDE CONVENIENCE OUTLET AND LIGHTS ON A SEPARATE CIRCUIT.
11. MAXIMUM COOLING COIL FACE VELOCITY SHALL BE 504 FPM.
12. SUMMER:
    INDOOR: 75°db/50% RH
    OUTDOOR: 91.3°db/75.0°wb
    WINTER:
    INDOOR: 72.0°db
    OUTDOOR: 2.6°db

AIR/DIRT SEPARATOR SCHEDULE

MARK NO.	SYSTEM	AIR/DIRT SEPARATOR SIZE	GPM	MAX. P.D.	SEPARATOR MANUFACTURER & MODEL NO.	NOTES
AS-1	CHILLED WATER	6"	500	2.0'	SPIROTHERM MODEL VDT600	1,2
AS-2	HEATING HOT WATER	6"	470	2.0'	SPIROTHERM MODEL VDT600	1,2

NOTES:
1. SUPPORT FROM STRUCTURE ABOVE.
2. REFER TO PROJECT MANUAL 232113.

CHEMICAL SHOT FEEDER SCHEDULE

MARK NO.	SYSTEM	EQUIPMENT VOLUME (GAL)	NOTES
CF-1	CHILLED WATER	5.0	1,2,3
CF-2	HEATING HOT WATER	5.0	1,2,3

NOTES:
1. REFER TO PROJECT MANUAL 232500.
2. INCLUDE LEG SUPPORT.
3. EQUIPMENT TO BE FLOOR MOUNTED.

AIR-COOLED WATER CHILLER SCHEDULE

2

MARK NO.	TYPE	TONS OUTPUT (MIN.)	AMB. TEMP. °F	EVAPORATOR DATA EWT °F	LWT °F	GPM	WPD FT.	FLUID	COND. FAN QUAN.	DIA.	UNIT ELEC. DATA MIN. IPLV	EER 100% LOAD	MAX. INPUT KW	MCA	MOP AMPS	VOLT	PH	MANUFACTURER AND MODEL NUMBER
CHLR-1	VARIABLE SPEED ROTARY SCREW	242.1	95	56	44	482.3	16.2	WATER	14	30.0	13.7	9.7	297.6	495	600	460	3	TRANE "RTAC"

NOTES:

1. REFRIGERANT R-134A. PROVIDE FULL CHARGE OF REFRIGERANT WITH CHILLER.
2. PROVIDE UNIT MOUNTED STARTER AND SAFETY DISCONNECT.
3. EVAPORATOR BARREL SHALL BE REMOTE INSTALLED INSIDE THE BUILDING.
4. -NOT USED-
5. MCA - MINIMUM CIRCUIT AMPACITY
   MOP - MAXIMUM OVERCURRENT PROTECTION
6. MANUFACTURER SHALL PROVIDE IPLV AND MAXIMUM IKW WITH SHOP DRAWINGS. IKW INCLUDES STARTER AND MOTOR INEFFICIENCIES.
7. PART LOAD RATINGS SHALL BE IN ACCORDANCE WITH ARI STANDARD 550/590.
8. PROVIDE CHILLER INTERFACE PANEL FOR CONNECTION TO BUILDING AUTOMATION SYSTEM.
9. PROVIDE CHILLER CONTROL PANEL FOR AUTOMATIC SEQUENCING OF THREE CHILLERS.
10. CHILLER SHALL HAVE A MINIMUM OF TWO (2) INDEPENDENT REFRIGERANT CIRCUITS.

FAN COIL UNIT SCHEDULE

MARK NO.	LOCATION	CFM	E.S.P. (IN.)	COOLING DATA EAT °F DB/WB	EWT °F	TH MBH	SH MBH	GPM	ROWS	WPD FT	HEATING DATA EAT °F	EWT °F	HTG MBH	GPM	ROWS	FAN MOTOR RPM	HP	VOLT	PH	MANUFACTURER & MODEL NUMBER
FCU-B1	B110	350	0.4	76°/63°	44	8.3	7.3	1.5	3	3.8	65°	140	10.4	2.0	1	1617	110W	120	1	TRANE MODEL FCPB SIZE 40

NOTES:
1. PROVIDE HIGH STATIC MOTOR ECM MOTOR.
2. UNIT SHALL BE CONCEALED ABOVE CEILING. PROVIDE DUCTED COLLARS FOR SUPPLY AND RETURN DUCTWORK.
3. UNIT SHALL BE PROVIDED WITH 1" MERV 8 FILTER.

TECHNOLOGY ROOM AIR CONDITIONING UNIT

CRU-A1 EVAPORATOR SECTION	EVAPORATOR BLOWER CFM	EXT. S.P.	MOTOR HP	DX COOLING COIL TOTAL (MBH)	SENS. (MBH)	EAT (DB/WB)	COIL AREA	ROWS	ELECTRIC REHEAT COIL BTU	KW	STAGES	UNIT ELEC. DATA VOLTS	PH.	AMPS	MOP	MANUFACTURER AND MODEL No.	NOTES
	1200	0.50"	0.8	33.9	28.2	75.0/61.0	3.1	4	20,500	6.0	1	460	3	8.7	15.0	DATA AIRE MINI PLUS MODEL DAPA-0334	1,2,3,4,5,7,8,9,10,11,13

CU-A1 INDOOR CONDENSING UNIT	CONDENSER FAN TYPE	CFM	EXT. S.P.	MOTOR HP	CONDENSER COIL EAT	COIL AREA	ROWS	COMPRESSORS TYPE	QUANTITY	WATTS INPUT	UNIT ELEC. DATA VOLTS	PH.	FLA	MOP	MANUFACTURER AND MODEL No.	NOTES
	AXIAL	5,000	0.5"	1.7	95	-	-	SCROLL	(1) 3-TON	-	460	3	9.4	15.0	DATA AIRE gFORCE MODEL GHCU-01134	3,5,6,8,11,12,13

NOTES: 2

1. EVAPORATOR BLOWER SHALL BE DIRECT DRIVE.
2. UNIT SHALL BE FURNISHED WITH A CONDENSATE PUMP FOR FIELD MOUNTING. 120V/1 PHASE POWER; 8 FT. HEAD PUMP PRESSURE. INCLUDE FLOAT SWITCH TO SHUT UNIT OFF IF DRAIN PAN IS FULL.
3. EVAPORATOR AND CONDENSING SECTIONS SHALL BE PROVIDED AS SEPARATE COMPONENTS, WITH A SEPARATE POWER CONNECTION FOR EACH.
4. UNIT SHALL BE ARRANGED FOR A DUCTED EVAPORATOR DISCHARGE.
5. UNIT MANUFACTURER SHALL PROVIDE FACTORY MOUNTED DISCONNECT FOR EACH SECTION.
6. CONDENSING UNIT SHALL BE PROVIDED WITH LOW AMBIENT CONTROL TO -30°, FILTER/DRYER AND SIGHTGLASS, AND HIGH HEAD PRESSURE SWITCH.
7. SUPPORT INDOOR UNIT FROM STRUCTURE ABOVE WITH SUPPLEMENTAL STEEL, THREADED RODS AND VIBRATION ISOLATION.
8. UNIT MANUFACTURER SHALL FURNISH PRE-CHARGED REFRIGERANT LINE SET FOR FIELD INSTALLATION BY CONTRACTOR.
9. UNIT SELECTED WITH INTEGRAL HUMIDIFIER PACKAGE. COORDINATE REQUIREMENTS WITH ALL TRADES.
10. EVAPORATOR SECTION COMPLETE WITH COIL, THERMOSTATIC EXPANSION VALVE, AND FILTER DRIER.
11. REFER TO PROJECT MANUAL 238123.
12. INSTALL INDOOR CONDENSING UNIT ON EQUIPMENT SUPPORT RAILS AND VIBRATION ISOLATORS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
13. UNIT SELECTED WITH R-410A REFRIGERANT.

PUMP SCHEDULE (HVAC)

MARK	SERVICE	TYPE	FLOW GPM	HEAD FT.	MIN EFF. %	SUCT. X DISCH.	BHP@ DESIGN FLOW	MOTOR RPM	HP	VOLT	PH	MANUFACTURER & MODEL NUMBER	NOTES
PCWP-1	PRIMARY CHILLED WATER PUMP	BASE MOUNTED END SUCTION	480	45	73	4"x3"	7.40	1775	10.0	460	3	GRUNDFOS SERIES: LCS MODEL 30957	2,3,4,5,6
PCWP-2	PRIMARY CHILLED WATER PUMP (STANDBY)	BASE MOUNTED END SUCTION	480	45	73	4"x3"	7.40	1775	10.0	460	3	GRUNDFOS SERIES: LCS MODEL 30957	2,3,4,5,6
SCWP-1	SECONDARY CHILLED WATER PUMP	BASE MOUNTED END SUCTION	250	85	71	3"x2.5"	7.53	1760	10	460	3	GRUNDFOS SERIES: LCS MODEL 25123	1,2,3,4,5,6
SCWP-2	SECONDARY CHILLED WATER PUMP	BASE MOUNTED END SUCTION	250	85	71	3"x2.5"	7.53	1760	10	460	3	GRUNDFOS SERIES: LCS MODEL 2153	1,2,3,4,5,6
HHWP-1	HEATING HOT WATER PUMP	BASE MOUNTED END SUCTION	235	95	71	3"x2.5"	7.92	1760	10	460	3	GRUNDFOS SERIES: LCS MODEL 25123	1,2,3,4,5,6
HHWP-2	HEATING HOT WATER PUMP	BASE MOUNTED END SUCTION	235	95	71	3"x2.5	7.92	1760	10	460	3	GRUNDFOS SERIES: LCS MODEL 25123	1,2,3,4,5,6

NOTES:
1. SECONDARY PUMPS WILL OPERATE IN PARALLEL. PUMP AND MOTOR SHALL BE SIZED SUCH THAT IT DOES NOT RUN OFF ITS CURVE, WHEN OPERATING ALONE ON THE SYSTEM CURVE.
2. PUMP TO BE USED WITH VARIABLE FREQUENCY DRIVE; PROVIDE PREMIUM EFFICIENCY MOTOR MEETING REQUIREMENTS OF NEMA MG-1, PART 31.
3. MOUNT ON 3-1/2" CONCRETE HOUSEKEEPING PAD.
4. REFER TO PROJECT MANUAL SECTION 232123.
5. PUMP CONTROLLED BY VARIABLE FREQUENCY CONTROLLER.
6. SINGLE POINT POWER CONNECTION TO THE PUMP. PUMP DISCONNECT AND WIRING BETWEEN PUMP AND VFC BY DIVISION 26.

EXPANSION TANK SCHEDULE

MARK NO.	SYSTEM	APPROX. SYSTEM VOLUME GAL.	SYSTEM TEMP. RANGE °F MIN.	MAX.	PRV FILL PRESSURE AT TANK PSIG	MAX. OPERATING PRESSURE PSIG RELIEF VALVE	AT EXP. TANK	MIN. TANK VOLUME GAL.	MIN. ACCEPT. VOLUME GAL.	PIPE SIZE TO TANK	COLD WATER FILL SIZE	TANK MANUFACTURER & MODEL NO.
ET-1	CHILLED WATER	1790	40	100	20	50	45	80	80	1"	2"	BELL AND GOSSETT MODEL B-300
ET-2	HEATING HOT WATER	1980	40	140	20	50	45	132	132	1"	2"	BELL AND GOSSETT MODEL B-500

NOTES:
1. MOUNT ON 3-1/2" CONCRETE HOUSEKEEPING PAD.
2. REFER TO PROJECT MANUAL SECTION 232113.

GAS FIRED BOILER SCHEDULE

2

MARK	TYPE	BOILER HP	GAS INPUT MBH	HEATING OUTPUT MBH	HEATING MEDIA	ENT. WTR °F	LVG. WTR °F	NATURAL GAS BURNER DATA INLET PRES.	GAS TRAIN TYPE	ELEC VOLTS	PH.	MANUFACTURER MODEL NO.	NOTES
BLR-1	CONDENSING BOILER	84	3000	2790	HOT WATER	100	140	4-14"	FM	460	3	AERCO BENCHMARK 3000	1,2,3,4
BLR-2	CONDENSING BOILER	84	3000	2790	HOT WATER	100	140	4-14"	FM	460	3	AERCO BENCHMARK 3000	1,2,3,4

NOTES:
1. 8300 LBS. OPERATING WEIGHT, 7000 LBS. SHIPPING WEIGHT
2. PROVIDE FULLY MODULATING BURNER.
3. SINGLE POINT POWER CONNECTION.
4. ELECTRICAL REQUIREMENTS VARY BY UNIT MANUFACTURER.

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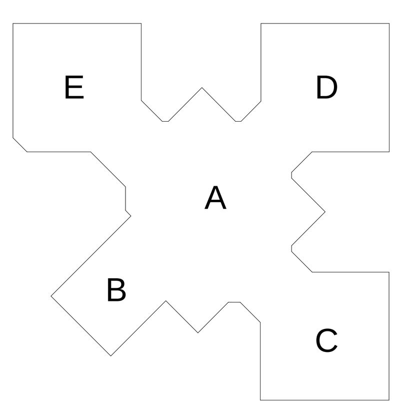

KEY PLAN

CONSTRUCTION DOCUMENTS

TIMOTHY C. LEHMAN REGISTERED No. PE 19800147 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: MZH
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06/29/2020

MECHANICAL SCHEDULES

M5.01

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COIL CIRCULATING PUMP SCHEDULE						
MARK	MEDIUM	GPM	TDH	KW	SERVICE	NOTES
CCP-B1	HEATING WATER	25	3	.245	115/1	1,2,3,4
CCP-B2	CHILLED WATER	30	5	.245	115/1	1,2,3,4

NOTES:

1. SEE COIL PIPING DIAGRAMS FOR INSTALLATION DETAIL.
2. CONTROL OF PUMPS BY TEMPERATURE CONTROL CONTRACTOR, REFER TO SPECIFICATIONS.
3. COIL CIRCULATOR PUMPS SHALL BE ENERGIZED ANYTIME THE OUTSIDE AIR TEMPERATURE. IS BELOW 35 DEGREES F (ADJ.).
4. DISCONNECT BY DIVISION 26.

AHU MAXIMUM ALLOWABLE SOUND LEVELS									
MARK	UNIT SOUND	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
FCU-B1	SUPPLY DISCHARGE	73	74	71	65	62	55	49	42
AHU-A1	SUPPLY DISCHARGE	86	82	92	84	80	76	79	68
AHU-A2	SUPPLY DISCHARGE	92	85	80	85	78	76	75	74
AHU-A3	SUPPLY DISCHARGE	88	83	80	83	76	74	70	62
AHU-A4	SUPPLY DISCHARGE	89	83	79	82	76	73	73	71
AHU-B1	SUPPLY DISCHARGE	88	84	83	88	82	78	77	68
AHU-C1	SUPPLY DISCHARGE	97	89	84	87	86	84	84	75
AHU-D1	SUPPLY DISCHARGE	97	89	84	87	86	84	84	75
AHU-E1	SUPPLY DISCHARGE	97	89	84	87	86	84	84	75
ERV-C1	SUPPLY DISCHARGE	73	77	95	85	86	85	83	73
ERV-C1	EXHAUST DISCHARGE	77	80	99	85	87	86	84	74
ERV-D1	SUPPLY DISCHARGE	73	77	95	85	86	85	83	73
ERV-D1	EXHAUST DISCHARGE	77	80	99	85	87	86	84	74
ERV-E1	SUPPLY DISCHARGE	73	77	95	85	86	85	83	73
ERV-E1	EXHAUST DISCHARGE	77	80	99	85	87	86	84	74

ENERGY RECOVERY VENTILATOR SCHEDULE																					
MARK	FANS												ENERGY RECOVERY EXCHANGER								NOTES
	SUPPLY						EXHAUST						SUPPLY				EXHAUST				
	CFM	EXT. S.P.	TOTAL S.P.	HP	TYPE	ELEC.	CFM	EXT. S.P.	TOTAL S.P.	HP	TYPE	ELEC.	SUMMER EAT	SUMMER LAT	WINTER EAT	WINTER LAT	SUMMER EAT	SUMMER LAT	WINTER EAT	WINTER LAT	
ERV-C1	7,280	0.5	2.284	4.0 X 2	-	460/3	5,460	0.50	2.456	4.0 X 2	-	460/3	95.0 / 76.0	83.05 / 72.7	-10 / -11	26.1 / 18.2	75.0 / 64.0	87.0 / 67.8	70.0 / 64.0	36.2 / 35.6	1,2,3,4,5,6,7
ERV-C1	7,280	0.5	2.284	4.0 X 2	-	460/3	5,460	0.50	2.456	4.0 X 2	-	460/3	95.0 / 76.0	83.05 / 72.7	-10 / -11	26.1 / 18.2	75.0 / 64.0	87.0 / 67.8	70.0 / 64.0	36.2 / 35.6	1,2,3,4,5,6,7
ERV-C1	7,280	0.5	2.284	4.0 X 2	-	460/3	5,460	0.50	2.456	4.0 X 2	-	460/3	95.0 / 76.0	83.05 / 72.7	-10 / -11	26.1 / 18.2	75.0 / 64.0	87.0 / 67.8	70.0 / 64.0	36.2 / 35.6	1,2,3,4,5,6,7

NOTES

1. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
2. UNIT PROVIDED WITH FACTORY MOUNTED NON-FUSED DISCONNECT SWITCH.
3. UNIT SHALL BE INTERCONNECTED WITH OUTSIDE AND EXHAUST AIR DAMPERS SIZED FOR 100% AIRFLOW.
4. UNIT PROVIDED WITH MERV 8 FILTERS. TOTAL STATIC PRESSURE REFLECTS AVERAGE DIRTY FILTERS.
5. REFER TO PLANS & SCHEMATIC SHEETS FOR UNIT LAYOUT DETAILS.
6. VARIABLE FREQUENCY CONTROLLER (VFC) SHALL BE PROVIDED ON SUPPLY FAN AND EXHAUST FAN.
7. PROVIDE CONVENIENCE OUTLET AND LIGHTS ON A SEPARATE CIRCUIT.

2

VAV REHEAT TERMINAL SCHEDULE												
MARK	PRIMARY CFM	MIN PRIMARY CFM	MBH	GPM	INLET DIA	AVAIL. INLET	N.C. LEVEL	EWT	LWT	LAT	HEATING COIL ROWS
VAV-A1	1400	420	63.72	3.19	14	1.29	-	140	100.0	96.97	4
VAV-A2	350	105	15.68	0.79	5	0.65	-	140	100.0	96.32	4
VAV-A3	1700	510	72.32	3.62	14	1.25	-	140	100.0	94.23	4
VAV-A4	1400	420	63.72	3.19	14	1.18	-	140	100.0	96.97	4
VAV-A5	1600	480	69.58	3.49	14	1.2	-	140	100.0	95.1	4
VAV-A6	700	210	32.45	1.63	10	0.75	-	140	100.0	97.74	4
VAV-A7	125	40	6.19	0.5	5	1.05	-	140	100.0	100.64	2
VAV-A8	350	105	15.68	0.77	5	0.67	-	140	100.0	96.32	4
VAV-A9	200	60	10.66	0.53	5	0.7	-	140	100.0	104.14	4
VAV-A10	200	60	10.66	0.53	5	0.74	-	140	100.0	104.14	4
VAV-A11	250	75	12.52	0.63	5	0.58	-	140	100.0	101.19	4
VAV-A12	250	75	12.52	0.63	5	0.82	-	140	100.0	101.19	2
VAV-A13	125	38	6.19	0.5	5	0.8	-	140	100.0	100.64	2
VAV-A14	150	45	6.74	0.5	5	0.71	-	140	100.0	96.46	4
VAV-A15	825	248	36.02	1.81	10	0.86	-	140	100.0	95.26	3
VAV-A16	175	53	8.49	0.5	5	1.15	-	140	100.0	99.76	3
VAV-A17	175	53	8.49	0.5	5	1.24	-	140	100.0	99.76	4
VAV-A18	500	165	25.74	1.29	10	0.68	-	140	100.0	102.48	4
VAV-A19	1200	360	57.27	2.87	14	1.13	-	140	100.0	99.0	4
VAV-A20	900	270	37.99	1.9	10	1.08	-	140	100.0	93.92	4
VAV-A21	2000	600	90.39	4.53	16	1.32	-	140	100.0	96.67	4
VAV-A22	700	210	32.45	1.63	10	0.76	-	140	100.0	97.74	4
VAV-A23	500	165	25.74	1.29	10	0.89	-	140	100.0	102.48	4
VAV-A24	1200	360	57.27	2.87	14	1.32	-	140	100.0	99.0	4
VAV-B1	1200	360	57.27	2.87	14	1.26	-	140	100.0	99.0	4
VAV-B2	1300	390	60.57	3.04	14	1.22	-	140	100.0	97.96	4
VAV-B3	2000	600	90.39	4.53	16	1.32	-	140	100.0	96.67	4
VAV-B4	2200	660	95.86	4.8	16	1.33	-	140	100.0	95.18	4
VAV-B5	1650	495	70.97	3.56	14	1.27	-	140	100.0	94.66	4
VAV-B6	2000	600	90.39	4.53	16	1.2	-	140	100.0	96.67	4
VAV-B7	1100	330	46.24	2.32	12	1.03	-	140	100.0	93.76	4
VAV-B8	1800	540	74.95	3.76	14	1.25	-	140	100.0	93.39	4
VAV-B9	500	165	25.74	1.29	10	0.57	-	140	100.0	102.48	4
VAV-B10	175	53	8.49	0.5	5	1.04	-	140	100.0	99.76	3
VAV-B11	425	128	17.68	0.89	6	0.61	-	140	100.0	93.46	4
VAV-B12	250	75	12.52	0.63	5	0.74	-	140	100.0	101.19	4
VAV-C1	1125	338	46.93	2.35	12	1.09	-	140	100.0	93.46	4
VAV-C2	1125	338	46.93	2.35	12	1.28	-	140	100.0	93.46	4
VAV-C3	1200	360	57.27	2.87	14	1.28	-	140	100.0	99.0	4
VAV-C4	1125	338	46.93	2.35	12	1.24	-	140	100.0	93.46	4
VAV-C5	1125	338	46.93	2.35	12	1.21	-	140	100.0	93.46	4
VAV-C6	1275	383	59.76	2.99	14	1.3	-	140	100.0	98.22	4
VAV-C7	1125	338	46.93	2.35	12	1.12	-	140	100.0	93.46	4
VAV-C8	1125	338	46.93	2.35	12	1.1	-	140	100.0	93.46	4
VAV-C9	1200	360	57.27	2.87	14	1.19	-	140	100.0	99.0	4
VAV-C10	1125	338	46.93	2.35	12	1.05	-	140	100.0	93.46	4
VAV-C11	1125	338	46.93	2.35	12	1.29	-	140	100.0	93.46	4
VAV-C12	1400	420	63.72	3.19	14	1.29	-	140	100.0	96.97	4
VAV-C13	1750	525	73.65	3.69	14	1.33	-	140	100.0	93.81	4
VAV-C14	1200	360	57.27	2.87	14	1.37	-	140	100.0	99.0	4
VAV-C15	1200	360	57.27	2.87	14	1.12	-	140	100.0	99.0	4
VAV-C16	275	83	13.38	0.67	5	0.77	-	140	100.0	99.85	4
VAV-C17	225	83	11.62	0.58	5	1.06	-	140	100.0	102.61	4
VAV-D1	1125	338	46.93	2.35	12	1.10	-	140	100.0	93.46	4
VAV-D2	1125	338	46.93	2.35	12	1.10	-	140	100.0	93.46	4
VAV-D3	1200	360	57.27	2.87	14	1.22	-	140	100.0	99.0	4
VAV-D4	1125	338	46.93	2.35	12	1.08	-	140	100.0	93.46	4
VAV-D5	1125	338	46.93	2.35	12	1.05	-	140	100.0	93.46	4
VAV-D6	1275	383	59.76	2.99	14	1.09	-	140	100.0	98.22	4
VAV-D7	1125	338	46.93	2.35	12	1.17	-	140	100.0	93.46	4
VAV-D8	1125	338	46.93	2.35	12	1.15	-	140	100.0	93.46	4
VAV-D9	1200	360	57.27	2.87	14	1.15	-	140	100.0	99.0	4
VAV-D10	1125	338	46.93	2.35	12	1.08	-	140	100.0	93.46	4
VAV-D11	1125	338	46.93	2.35	12	1.18	-	140	100.0	93.46	4
VAV-D12	1200	360	57.27	2.87	14	1.16	-	140	100.0	99.0	4
VAV-D13	1200	360	57.27	2.87	14	1.24	-	140	100.0	99.0	4
VAV-D14	225	68	11.62	0.58	5	0.8	-	140	100.0	102.61	4
VAV-D15	275	83	13.38	0.67	5	0.74	-	140	100.0	99.85	4
VAV-E1	1350	405	62.16	3.12	14	1.16	-	140	100.0	97.46	4
VAV-E2	1350	405	62.16	3.12	14	1.22	-	140	100.0	97.46	4
VAV-E3	1350	405	62.16	3.12	14	1.24	-	140	100.0	97.46	4
VAV-E4	1400	420	63.72	3.19	14	1.17	-	140	100.0	96.97	4
VAV-E5	1175	353	56.41	2.83	14	1.2	-	140	100.0	99.27	4
VAV-E6	1175	353	56.41	2.83	14	1.07	-	140	100.0	99.27	4
VAV-E7	1250	375	58.94	2.95	14	1.15	-	140	100.0	98.48	4
VAV-E8	1175	353	56.41	2.83	12	1.17	-	140	100.0	99.27	4
VAV-E9	1175	353	56.41	2.83	12	1.19	-	140	100.0	99.27	4
VAV-E10	1325	398	61.37	3.08	14	1.12	-	140	100.0	97.71	4
VAV-E11	1050	315	44.84	2.25	12	1.11	-	140	100.0	94.38	4
VAV-E12	900	900	37.99	1.9	10	1.13	-	140	100.0	93.92	4
VAV-E13	1200	360	57.27	2.87	14	1.27	-	140	100.0	99.0	4
VAV-E14	225	68	11.62	0.58	5	0.96	-	140	100.0	102.61	4
VAV-E15	175	53	8.49	0.5	5	0.97	-	140	100.0	99.75	3
VAV-E16	175	53	8.49	0.5	5	0.92	-	140	100.0	99.75	3
VAV-E17	275	83	13.38	0.67	5	0.77	-	140	100.0	99.85	4
VAV-E18	1200	360	57.27	2.87	14	1.19	-	140	100.0	99.0	4

NOTES:

1. REFER TO PROJECT MANUAL.
2. UNIT SELECTION MUST ALLOW FOR A MINIMUM 0F 0.50" DOWNSTREAM STATIC PRESSURE.
3. 120/1 VOLT ELECTRICAL SERVICE WILL BE SUPPLIED TO EACH UNIT BY ELECTRICAL CONTRACTOR. REFER TO DETAILS.
4. UNIT MANUFACTURER SHALL PROVIDE REQUIRED HANGING BRACKETS TO PROPERLY SUPPORT UNIT.
5. HEATING COIL LOADS CALCULATED WITH SCHEDULED EWT AND 55°EAT, AT PRIMARY AIRFLOW.
6. PROVIDE FACTORY MOUNTED DISCONNECT SWITCH.
7. HEATING COIL DESIGN BASED ON HIGH-EFFIECIENCY, HOT WATER COIL, UNLESS OTHERWISE NOTED
8. COILS SHALL BE SELECTED WITH 10' WPD MAXIMUM.
9. NOISE LEVELS ARE NOT TO EXCEED 20 NC. 2

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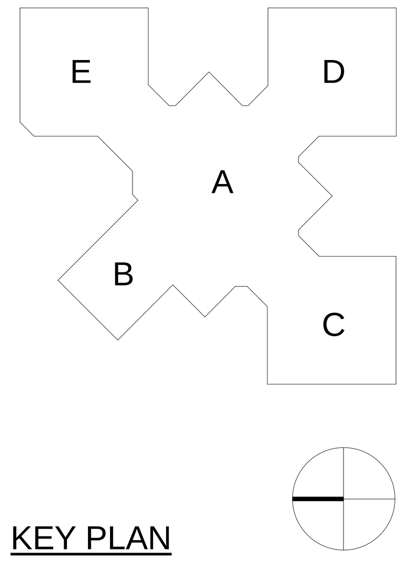

KEY PLAN

CONSTRUCTION DOCUMENTS

TIMOTHY C. LEHMAN
REGISTERED
No. PE 19800147
STATE OF INDIANA
PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: MZH
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06/29/2020

MECHANICAL SCHEDULES

M5.02

CABINET/PROPELLER UNIT HEATER SCHEDULE

MARK	CFM	FAN SPEED (RPM)	HP	HEATING MBH	EAT	LAT	EWT	GPM	WPD	WTD	KW	ELEC SERV	MODEL NO.	NOTES
CUH-A1	500	MEDIUM	1/7	26.1	60	108.2	140°	3.0	2.0	17.4	-	120/60/1	RC-370	1,2,4,7,8,9,10
CUH-A2	500	MEDIUM	1/7	26.1	60	108.2	140°	3.0	2.0	17.4	-	120/60/1	RC-370	1,2,4,7,8,9,10
CUH-B1	620	HIGH	1/15	36.6	60	114.6	140°	3.6	2.8	20.3	-	120/60/1	RFRC-420	1,2,3,7,8,9,10
CUH-B2	620	HIGH	1/15	36.6	60	114.6	140°	3.6	2.8	20.3	-	120/60/1	RFRC-420	1,2,3,7,8,9,10
CUH-B3	450	MEDIUM	1/15	28.6	60	118.9	140°	3.0	2.0	19.1	-	120/60/1	RFRC-420	1,2,3,7,8,9,10
CUH-B4	450	MEDIUM	1/15	28.6	60	118.9	140°	3.0	2.0	19.1	-	120/60/1	RFRC-420	1,2,3,7,8,9,10
CUH-C1	300	LOW	1/30	17.4	60	113.7	140°	1.5	0.4	23.2	-	120/60/1	RFRC-420	1,2,3,7,8,9,10
CUH-D1	300	LOW	1/30	17.4	60	113.7	140°	1.5	0.4	23.2	-	120/60/1	RFRC-420	1,2,3,7,8,9,10
CUH-E1	300	LOW	1/30	17.4	60	113.7	140°	1.5	0.4	23.2	-	120/60/1	RFRC-420	1,2,3,7,8,9,10
CUH-E2	286	LOW	1/12	17.0	60	114.9	140°	2.2	0.7	15.4	-	120/60/1	RC-370	1,2,3,4,7,8,9,10
CUH-E3	286	LOW	1/12	17.0	60	114.9	140°	2.2	0.7	15.4	-	120/60/1	RC-370	1,2,3,4,7,8,9,10
PUH-A1	1,040	—	1/10	32.4	60	88.1	140°	6.0	0.7	10.8	-	120/60/1	RH	2,5,6,8,9
PUH-A2	1,040	—	1/10	32.4	60	88.1	140°	6.0	0.7	10.8	-	120/60/1	RH	2,5,6,8,9
PUH-B1	1,040	—	1/10	32.4	60	88.1	140°	6,0	0.7	10.8	-	120/60/1	RH	2,5,6,8,9
PUH-B2	1,775	—	1/10	32.4	60	88.1	140°	6.0	0.7	10.8	-	120/60/1	RH	2,5,6,8,9
PUH-B3	1,040	—	1/8	55.3	60	88.1	140°	8.0	0.8	13.8	-	120/60/1	RH	2,5,6,8,9
PUH-B4	700	—	-	25.6	60	94.0	-	-	-	-	7.5	480/60/3	5100	2,5,6,9,11
PUH-B5	1,040	—	1/10	32.4	60	88.1	140°	6.0	0.7	10.8	-	120/60/1	RH	2,5,6,8,9
PUH-C1	1,040	—	1/10	32.4	60	88.1	140°	6.0	0.7	10.8	-	120/60/1	RH	2,5,6,8,9
PUH-D1	1,040	—	1/10	32.4	60	88.1	140°	6.0	0.7	10.8	-	120/60/1	RH	2,5,6,8,9
PUH-E1	1,040	—	1/10	32.4	60	88.1	140°	6.0	0.7	10.8	-	120/60/1	RH	2,5,6,8,9

NOTES
1. COLOR TO BE SELECTED BY ARCHITECT.
2. INCLUDE FACTORY MOUNTED DISCONNECTS.
3. HORIZONTAL RECESSED UNIT.
4. UNIT SCHEDULED WITH REAR RETURN.
5. SUPPORT HEATER FROM STRUCTURE ABOVE WITH MINIMUM OF TWO (2), 3/8" DIAMETER THREADED RODS.
6. UNIT FURNISHED WITH ADJUSTABLE LOUVER FIN DIFFUSERS TO PROVIDE FOUR-DIRECTION AIR FLOW CONTROL.
7. UNIT SELECTED WITH 2-ROW HEATING COIL.
8. UNITS SCHEDULED ARE AS MANUFACTURED BY RITTLING.
9. REFER TO SPECIFICATION SECTION 238239.
10. SUPPORT UNIT HEATER FROM STRUCTURE ABOVE WITH A MINIMUM OF (4) 3/8" DIAMETER THREADED RODS AND VIBRATION ISOLATORS.
11. UNITS SCHEDULED ARE AS MANUFACTURED BY RAYWALL.

RELIEF HOOD/INTAKE HOOD SCHEDULE

MARK	TYPE	LOCATION	CFM	THROAT VEL.(FPM)	THROAT SIZE (INCHES)	OVERALL SIZE (INCHES)	HEIGHT (INCHES)	MANUFACTURER AND MODEL NO.	REMARKS
IH-A1	INTAKE	CAFETERIA B103	10,000	833	36x48	67x75	19	GREENHECK FABRAHOOD "FHI"	2,3,4,5,6
IH-A2	INTAKE	CAFETERIA B103	4,600	766	36x24	63x47	19	GREENHECK FABRAHOOD "FHI"	2,3,4,5,6
IH-A3	INTAKE	CAFETERIA B103	5,675	756	30x36	58x63	19	GREENHECK FABRAHOOD "FHI"	2,3,4,5,6
IH-A4	INTAKE	CAFETERIA B103	4,000	800	24x30	49x51	19	GREENHECK FABRAHOOD "FHI"	2,3,4,5,6
RH-B1	RELIEF	CAFETERIA B103	12,138	485	60x60	99x95	29.5	GREENHECK FABRAHOOD "FGR"	1,4,5,6
RH-B2	RELIEF	GYMNASIUM B108	6000	490	42x42	63x63	23	GREENHECK FABRAHOOD "FGR"	1,4,5,6
RH-B3	RELIEF	GYMNASIUM B108	6000	490	42x42	64x54	19	GREENHECK FABRAHOOD "FGR"	1,4,5,6
RH-B4	RELIEF	RAMP B104	12,137	485	60x60	99x95	29.5	GREENHECK FABRAHOOD "FGR"	1,4,5,6

2

NOTES:
1. MOTORIZED TEMPERATURE CONTROL DAMPER(S) FURNISHED BY T.C.C., INSTALLED BY SHEETMETAL CONTRACTOR.
2. GRAVITY BACK-DRAFT DAMPER FURNISHED BY HOOD MANUFACTURER, INSTALLED BY SHEETMETAL CONTRACTOR.
3. INTAKE AREA OF THE HOOD SHALL BE TWICE THE THROAT AREA.
4. REFER TO PROJECT MANUAL SECTION 233723.
5. COLOR SHALL BE PROVIDED FROM MANUFACTURER'S FULL RANGE OF COLORS AS SELECTED BY ARCHITECT/ENGINEER.
6. UNITS TO BE PROVIDED WITH A HINGED BASE KIT.

VARIABLE FREQUENCY CONTROLLER SCHEDULE

MARK	HP	ELEC SERV	MARK SERVING	EQUIPMENT SERVING	NOTES
VFC-A1	15.0	460/3	AHU-A1	AHU SUPPLY FAN	1,2,3,4
VFC-A2	5.0 X 2	460/3	AHU-A2	AHU SUPPLY FAN	1,2,3,4
VFC-A3	9.0	460/3	AHU-A3	AHU SUPPLY FAN	1,2,3,4
VFC-A4	3.0 X 2	460/3	AHU-A4	AHU SUPPLY FAN	1,2,3,4
VFC-B1	10.0	460/3	HHWP-1	HEATING WATER PUMP	1,2,3,4
VFC-B2	10.0	460/3	HHWP-2	HEATING WATER PUMP	1,2,3,4
VFC-B3	10.0	460/3	PCWP-1	CHILLED WATER PUMP	1,2,3,4
VFC-B4	10.0	460/3	PCWP-2	CHILLED WATER PUMP	1,2,3,4
VFC-B5	10.0	460/3	SCWP-1	CHILLED WATER PUMP	1,2,3,4
VFC-B6	10.0	460/3	SCWP-2	CHILLED WATER PUMP	1,2,3,4
VFC-B7	12.5	460/3	AHU-B1	AHU SUPPLY FAN	1,2,3,4
VFC-C1	7.5 X 4	460/3	AHU-C1	AHU SUPPLY FAN	1,2,3,4
VFC-C2	4.0 X 2	460/3	ERV-C1	ERV SUPPLY FAN	1,2,3,4
VFC-C3	4.0 X 2	460/3	ERV-C1	ERV EXHAUST FAN	1,2,3,4
VFC-D1	7.5 X 4	460/3	AHU-D1	AHU SUPPLY FAN	1,2,3,4
VFC-D2	4.0 X 2	460/3	ERV-D1	ERV SUPPLY FAN	1,2,3,4
VFC-D3	4.0 X 2	460/3	ERV-D1	ERV EXHAUST FAN	1,2,3,4
VFC-E1	7.5 X 4	460/3	AHU-E1	AHU SUPPLY FAN	1,2,3,4
VFC-E2	4.0 X 2	460/3	ERV-E1	ERV SUPPLY FAN	1,2,3,4
VFC-E3	4.0 X 2	460/3	ERV-E1	ERV EXHAUST FAN	1,2,3,4

2

NOTES
1. DRIVE PROVIDED AND INSTALLED BY THE DIVISION 23 - HVAC CONTRACTOR.
2. DIVISION 26 - ELECTRICAL CONTRACTOR TO PROVIDE POWER WIRING TO VFC AND FROM VFC TO MOTOR.
3. TEMPERATURE CONTROL CONTRACTOR SHALL PROVIDE ALL TEMPERATURE CONTROL WIRING.
4. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

DIFFUSER, REGISTER, AND GRILLE SCHEDULE
(NOT ALL GRILLE TYPES MAY BE USED IN THIS SET OF PROJECT DOCUMENTS)

MARK	TYPE	NECK SIZE	OVERALL SIZE L"xW"	MAX CORE/ NECK VEL.(FPM)	MAX. CFM	MAX. NOISE CRITERIA	FRAME/ MOUNTING	REMARKS
A	SQUARE PLAQUE CEILING DIFFUSER	5"	12"x12"	800	100	21	REFER TO REFLECTED CEILING PLAN	4-WAY BLOW DIFFUSERS, UNLESS INDICATED OTHERWISE ON DRAWINGS.
B	SQUARE PLAQUE CEILING DIFFUSER	6"	12"x12"	800	150	21	REFER TO REFLECTED CEILING PLAN	4-WAY BLOW DIFFUSERS, UNLESS INDICATED OTHERWISE ON DRAWINGS.
C	SQUARE PLAQUE CEILING DIFFUSER	6"	24"x24"	800	150	20	REFER TO REFLECTED CEILING PLAN	4-WAY BLOW DIFFUSERS, UNLESS INDICATED OTHERWISE ON DRAWINGS.
D	SQUARE PLAQUE CEILING DIFFUSER	8"	24"x24"	800	300	20	REFER TO REFLECTED CEILING PLAN	4-WAY BLOW DIFFUSERS, UNLESS INDICATED OTHERWISE ON DRAWINGS.
E	SQUARE PLAQUE CEILING DIFFUSER	10"	24"x24"	800	425	20	REFER TO REFLECTED CEILING PLAN	4-WAY BLOW DIFFUSERS, UNLESS INDICATED OTHERWISE ON DRAWINGS.
F	SQUARE PLAQUE CEILING DIFFUSER	12"	24"x24"	800	625	23	REFER TO REFLECTED CEILING PLAN	4-WAY BLOW DIFFUSERS, UNLESS INDICATED OTHERWISE ON DRAWINGS.
G	SQUARE PLAQUE CEILING DIFFUSER	14"	24"x24"	700	750	20	REFER TO REFLECTED CEILING PLAN	4-WAY BLOW DIFFUSERS, UNLESS INDICATED OTHERWISE ON DRAWINGS.
H	RETURN/AIR TRANSFER GRILLE	6"x6"	8"x8"	600	175	20	REFER TO REFLECTED CEILING PLAN	PROVIDE ALUMINUM SURFACE MOUNT BORDER FOR DUCTED INSTALLATIONS.
I	RETURN/AIR TRANSFER GRILLE	10"x10"	12"x12"	500	375	20	REFER TO REFLECTED CEILING PLAN	PROVIDE ALUMINUM SURFACE MOUNT BORDER FOR DUCTED INSTALLATIONS.
J	RETURN/AIR TRANSFER GRILLE	14"x14"	16"x16"	500	650	20	REFER TO REFLECTED CEILING PLAN	PROVIDE ALUMINUM SURFACE MOUNT BORDER FOR DUCTED INSTALLATIONS.
K	RETURN/AIR TRANSFER GRILLE	16"x16	18"x18"	500	850	20	REFER TO REFLECTED CEILING PLAN	PROVIDE ALUMINUM SURFACE MOUNT BORDER FOR DUCTED INSTALLATIONS.
L	RETURN/AIR TRANSFER GRILLE	22"x10"	24"x12"	500	910	20	REFER TO REFLECTED CEILING PLAN	PROVIDE ALUMINUM SURFACE MOUNT BORDER FOR DUCTED INSTALLATIONS.
M	RETURN/AIR TRANSFER GRILLE	22"x22"	24"x24"	500	1300	20	REFER TO REFLECTED CEILING PLAN	PROVIDE ALUMINUM SURFACE MOUNT BORDER FOR DUCTED INSTALLATIONS.
N	SIDEWALL-SUPPLY GRILLE	-	SEE FLOOR PLANS FOR SIZE	500	PER PLANS	20	DUCT OR SIDEWALL: REFER TO FLOOR PLAN	45 (DEGREE) DEFLECTION, UNLESS NOTED OTHERWISE ON FLOOR PLAN
O	SIDEWALL-RETURN GRILLE	-	SEE FLOOR PLANS FOR SIZE	300	PER PLANS	20	DUCT OR SIDEWALL: REFER TO FLOOR PLAN	FIXED 35 (DEGREE) DEFLECTION BLADES
P	HEAVY DUTY SUPPLY GRILLE	-	SEE FLOOR PLANS FOR SIZE	-	PER PLANS	20	DUCT OR SIDEWALL: REFER TO FLOOR PLAN	FIXED 35 (DEGREE) DEFLECTION BLADES
Q	HEAVY DUTY RETURN GRILLE	-	SEE FLOOR PLANS FOR SIZE	-	PER PLANS	20	DUCT OR SIDEWALL: REFER TO FLOOR PLAN	FIXED 38 (DEGREE) DEFLECTION BLADES
R	ALUMINUM SOFFIT GRILLE	6"x6"	8"x8"	600	225	20	EXTERIOR SOFFIT INSTALLATION	PROVIDE ALUMINUM SURFACE MOUNT BORDER FOR DUCTED INSTALLATIONS.
S	ROUND SUPPLY DIFFUSER	10"	12" DIA.	800	PER PLANS	15	REFER TO REFLECTED CEILING PLAN	ADJUSTABLE JET / DIFFUSED AIR PATTERNS
T	ALUMINUM SOFFIT GRILLE	22"x22"	24"x24"	400	1500	16	EXTERIOR SOFFIT INSTALLATION	PROVIDE ALUMINUM SURFACE MOUNT BORDER FOR DUCTED INSTALLATIONS.
U	LINEAR BAR GRILLE	-	SEE FLOOR PLANS FOR SIZE	650	PER PLANS	20	SIDEWALL INSTALLATION, CONCEALED FASTENING	15°DEFLECTION BARS 1/4" WIDE BARS, 1/2" SPACING

EXHAUST FAN/VENTILATION FAN SCHEDULE

MARK	FAN TYPE	CFM	TOTAL S.P. (IN.)	FAN RPM	MAX. TIP SPEED (FPM)	MAX. NOISE LEVEL (SONES)	DRIVE TYPE	MOTOR DATA HP	VOLTS	PH.	SERVICE	EXAMPLE MANUFACTURER MODEL NO.	FAN CONTROL *	NOTES
EF-A1	INLINE CENTRIFUGAL	200	0.525	1,581	X	7.6	DIRECT	1/10	115	1	GENERAL EXHAUST	GREENHECK SQ-80-VG	A	1,2,3,4,7
EF-A2	INLINE CENTRIFUGAL	75	0.450	1,159	X	7.9	BELT	1/4	115	1	CUSTODIAL CLOSET EXHAUST	GREENHECK BSQ-70	A	1,2,4,7
EF-B1	ROOF MOUNTED CENTRIFUGAL	675	0.425	972	X	8.6	DIRECT	1/8	115	1	GENERAL EXHAUST	GREENHECK G-095-D	A	1,2,3,4,5,6,7,8
EF-B2	ROOF MOUNTED CENTRIFUGAL	1400	0.375	992	X	7.5	DIRECT	1/4	115	1	PROJECT ROOM GENERAL EXHAUST	GREENHECK G-143-B	M	1,2,3,4,5,6,7,8
EF-B3	ROOF MOUNTED CENTRIFUGAL	900	0.350	992	X	6.4	DIRECT	1/6	115	1	GENERAL EXHAUST	GREENHECK G-123-B	A	1,2,3,4,6,7,8
EF-B4	ROOF MOUNTED CENTRIFUGAL	3500	0.300	747	X	10.3	BELT	3/4	460	3	MECH. ROOM VENTILATION	GREENHECK GB-200	T	1,2,4,6,7,8
EF-B5	NOT USED	-	-	-	-	-	-	-	-	-		-	-	
EF-B6	ROOF MOUNTED CENTRIFUGAL	600	0.200	1,444	X	6.5	DIRECT	1/15	115	1	ELECTRICAL ROOM EXHAUST	GREENHECK G-90-D	T	1,2,3,4,6,7,8
EF-B7	ROOF MOUNTED CENTRIFUGAL	400	0.200	1,211	X	4.4	DIRECT	1/25	115	1	ELECTRICAL ROOM EXHAUST	GREENHECK G-90-G	T	1,2,3,4,6,7,8
EF-B8	ROOF MOUNTED CENTRIFUGAL	1250	0.175	790	X	6.4	DIRECT	1/8	115	1	MECH. ROOM VENTILATION	GREENHECK G-143-C	T	1,2,3,4,6,7,8
EF-C1	INLINE CENTRIFUGAL	125	0.250	1,376	X	3.2	DIRECT	1/30	115	1	DATA ROOM VENTILATION	GREENHECK SQ-70-D	T	1,2,3,4,7
EF-D1	INLINE CENTRIFUGAL	125	0.250	1,376	X	3.2	DIRECT	1/30	115	1	DATA ROOM VENTILATION	GREENHECK SQ-70-D	T	1,2,3,4,7
EF-E1	INLINE CENTRIFUGAL	650	0.475	1,227	X	6.2	DIRECT	1/4	115	1	TEACHER LOUNGE EXHAUST	GREENHECK SQ-100-A	M	1,2,3,4,7
EF-E2	INLINE CENTRIFUGAL	1,425	0.475	1,042	X	8.2	DIRECT	1/3	115	1	TOILET EXHAUST	GREENHECK SQ-140-B	A	1,2,3,4,7
EF-E3	INLINE CENTRIFUGAL	125	0.250	1,376	X	3.2	DIRECT	1/30	115	1	DATA ROOM VENTILATION	GREENHECK SQ-70-D	T	1,2,3,4,7

NOTES:
1. SUPPORT FROM STRUCTURE ABOVE WITH VIBRATION ISOLATORS.
2. PROVIDE BACKDRAFT DAMPER.
3. PROVIDE FACTORY-INSTALLED VARIABLE SPEED CONTROLLER.
4. INCLUDE FACTORY MOUNTED DISCONNECT SWITCH.
5. EXHAUST FAN IS TO BE INSTALLED ON PITCHED ROOF. PROVIDE ROOF CURB TO MATCH SLOPE OF ROOF, SUCH THAT FAN IS INSTALLED LEVEL.
6. MOUNT ON 12" HIGH ROOF CURB.
7. REFER TO SPECIFICATION SECTION 233423 FOR ADDITIONAL REQUIREMENTS.
8. COLOR SHALL BE PROVIDED FROM MANUFACTURER'S FULL RANGE OF COLORS AS SELECTED BY A/E.

* FAN CONTROL LEGEND
- M - MANUAL TIMER SWITCH CONTROL BY DIVISION 26.
- T - THERMOSTAT TO CONTROL FAN OPERATION; CONTROL BY T.C.C.
- A - AUTOMATIC CONTROL BY T.C.C.; REFER TO SEQUENCE OF OPERATION.

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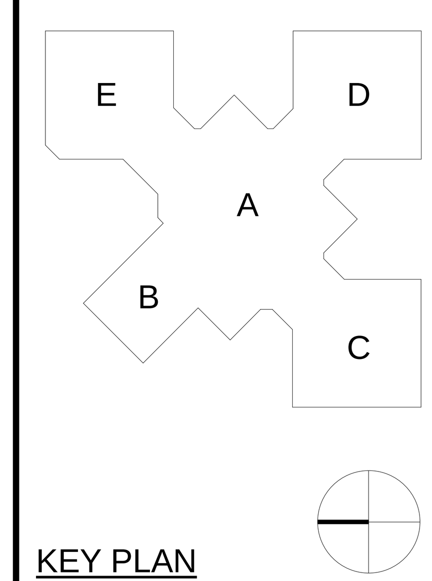

KEY PLAN

CONSTRUCTION DOCUMENTS

TIMOTHY C. LEHMAN REGISTERED No. PE 19800147 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: MZH
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06/29/2020

MECHANICAL SCHEDULES

M5.03

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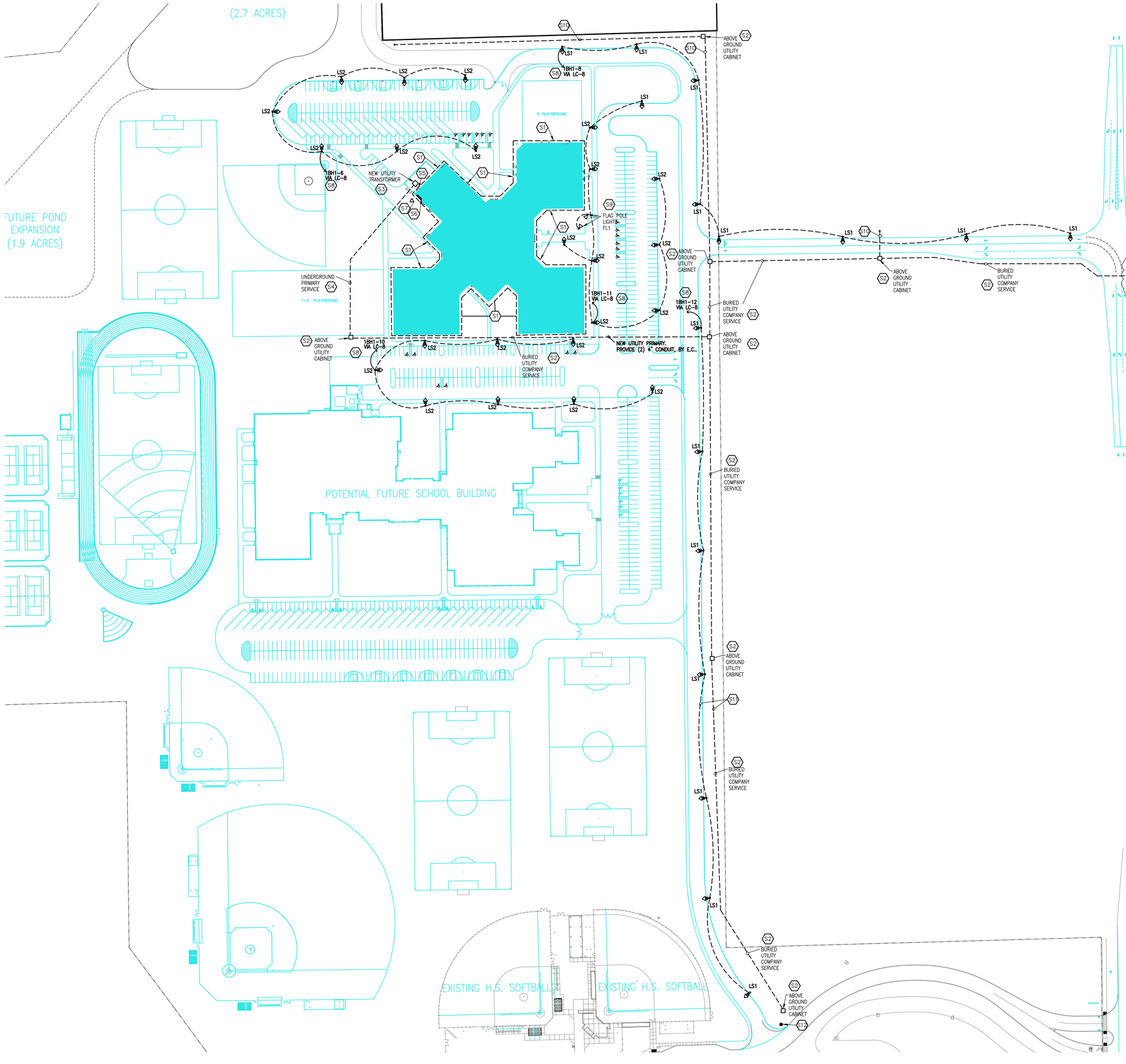

ELECTRICAL SITE PLAN

1" = 80'-0"

GENERAL SITE PLAN NOTES

1. REFER TO SITE UTILITY PLANS TO COORDINATE EXACT LOCATIONS OF ALL ELECTRICAL EQUIPMENT

SITE PLAN NOTES

- S1 PROVIDE A GROUND RING AROUND THE PERIMETER OF THE BUILDING AND ALL SITE GROUNDING REQUIREMENTS. REFER TO DRAWING SHEET "E1.02" FOR DETAILS AND ADDITIONAL REQUIREMENTS.
- S2 ALL UTILITY COMPANY SERVICE INSTALLATION IS TO BE PROVIDED AND INSTALLED BY THE UTILITY COMPANY.
- S3 UTILITY COMPANY TRANSFORMER. PROVIDE A PAD PER UTILITY COMPANIES REQUIREMENTS.
- S4 PROVIDE TWO 4-INCH PVC CONDUITS FOR UTILITY COMPANIES PRIMARY SERVICE FEEDER.
- S5 PROVIDE ALL SECONDARY CONDUITS AND FEEDERS. REFER TO DRAWING SHEET "E7.01" FOR QUANTITIES AND SIZES.
- S6 LOCATION OF MAIN SWITCHBOARD MSB-H IN ROOM B113. REFER TO DRAWING SHEET "E5.08" FOR ADDITIONAL REQUIREMENTS.
- S7 PROVIDE GROUNDING TRIAD REFER TO DETAIL "3/E1.03" AND DRAWING SHEET "E5.08" FOR ADDITIONAL REQUIREMENTS.
- S8 SITE LIGHTING CIRCUITS TO BE RUN THROUGH A LIGHTING CONTACTOR "LC-8", LOCATED ADJACENT TO PANELBOARD 1BH1 IN ROOM B113.
- S9 WIRE FLAG POLE LIGHT FIXTURES TO THE BUILDING SECURITY LIGHTING CIRCUIT AND CONTROLS.
- S10 STUB OUT (2) 4" PVC CONDUIT FOR FUTURE POWER COMPANY USAGE. STUB OUT PAST OTHER UTILITIES.
- S11 ALL CONDUITS IN THE PIPELINE EASEMENT AREA TO BE RUN BELOW THE GAS PIPELINE. ALL COORDINATION IS TO BE DONE WITH THE PIPELINE COMPANY.
- S12 EXISTING LIGHT POLE AND ELECTRICAL PEDESTAL IN THIS AREA ARE TO BE RELOCATED TO MISS THE NEW CONCRETE CURB. EXTEND EXISTING CONDUITS AND WIRING TO NEW LOCATIONS.
- S13 RELOCATED UTILITY POLE, BY UTILITY COMPANY.

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KEY PLAN

CONSTRUCTION DOCUMENTS

BRIAN W. BUTLER REGISTERED No. PE 19930005 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: MMS
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	06.19.2020
2	ADDENDUM #2	06.29.2020

ELECTRICAL SITE PLAN

E2.01

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UNIT A - FIRST FLOOR TECHNOLOGY ROUGH-IN PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT A		
ROOM NO.	ROOM NAME	AREA (SF)
A101	VESTIBULE	341 SF
A102	LOBBY	366 SF
A103	CORRIDOR	925 SF
A104	RECEPTION AREA	470 SF
A105	OFFICE	80 SF
A106	ASSISTANT PRINCIPAL'S OFFICE	166 SF
A107	PRINCIPAL'S OFFICE	214 SF
A108	OFFICE	87 SF
A109	RESTROOM	56 SF
A110	CORRIDOR	230 SF
A111	CONFERENCE ROOM	208 SF
A112	STORAGE	34 SF
A113	GUIDANCE CONFERENCE ROOM	127 SF
A115	WORKROOM	175 SF
A116	CLINIC	366 SF
A117	RESTROOM	54 SF
A118	STORAGE	48 SF
A119	CORRIDOR	488 SF
A120	CORRIDOR	289 SF
A121	CLASSROOM	956 SF
A122	GUIDANCE COUNCELOR'S OFFICE	377 SF
A123	CONFERENCE ROOM	433 SF
A124	SPEECH AND HEARING	154 SF
A125	OFFICE	127 SF
A126	WORKROOM	261 SF
A127	STORAGE	180 SF
A128	MEDIA CENTER	2434 SF
A129	STORAGE	305 SF
A130	PROJECT	1039 SF
A131	CORRIDOR	706 SF
A133	CUSTODIAL CLOSET	60 SF
A134	WORKROOM	600 SF
A135	STORAGE	112 SF
A136	MUSIC	1162 SF
A137	ART	1105 SF
A138	STORAGE / KILN	102 SF
A139	PUBLICATION	222 SF
A140	STORAGE	35 SF
A141	JANITOR CLOSET	43 SF

TECHNOLOGY PLAN NOTES	
R2	SEE DETAIL 3/ E3.07 FOR ROUGH-IN INFORMATION ON MC/ER TELEPHONE TERMINATION BOARD.
R4	SEE DETAIL 5/ E3.09 FOR MUSIC ROOM SOUND SYSTEM CONDUIT RISER DIAGRAM.

GENERAL NOTE:
ELECTRICAL RECEPTACLES SHOWN ON THE TECHNOLOGY ROUGH-IN DRAWINGS ARE FOR COORDINATION PURPOSES ONLY. REFER TO ELECTRICAL POWER DRAWINGS FOR RECEPTACLE ROUGH-IN REQUIREMENTS.

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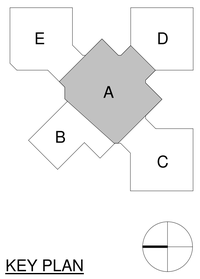

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT

DRAWN BY: CDJ

PROJECT NUMBER: 219124.00

PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	06-19-20
2	ADDENDUM #2	06-29-20

UNIT A - FIRST FLOOR TECHNOLOGY ROUGH-IN PLAN

E3.01

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ROOM LEGEND - FIRST FLOOR UNIT B		
ROOM NO.	ROOM NAME	AREA (SF)
B101	VESTIBULE	270 SF
B102	EVENT LOBBY	1567 SF
B103	STUDENT DINING	3444 SF
B104	RAMP	199 SF
B105	PLATFORM	845 SF
B106	STORAGE	118 SF
B107	CHAIR STORAGE	148 SF
B108	GYMNASIUM	6377 SF
B109	PE OFFICE	129 SF
B110	PE STORAGE	272 SF
B111	OUTDOOR STORAGE	467 SF
B112	MECHANICAL	1212 SF
B113	ELECTRICAL	167 SF
B114	COOLER / FREEZER	331 SF
B115	WARE WASHING	254 SF
B116	SERVING AREA	216 SF
B117	KITCHEN	1241 SF
B118	OFFICE	81 SF
B119	RESTROOM	53 SF
B120	CORRIDOR	350 SF
B121	DRY FOOD STORAGE	204 SF
B122	CUSTODIAL	75 SF
B123	OFFICE	108 SF
B124	CORRIDOR	372 SF
B125	CORRIDOR	488 SF
B126	ELECTRICAL	57 SF
B126	Room	Not Placed
B127	STORAGE	81 SF
B128	CORRIDOR	314 SF

TECHNOLOGY PLAN NOTES	
R5	SEE DETAIL 1/ E3.09 FOR GYMNASIUM AND STUDENT DINING SOUND SYSTEM CONDUIT RISER DIAGRAM.

UNIT B - FIRST FLOOR TECHNOLOGY ROUGH-IN PLAN

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

GENERAL NOTE:
ELECTRICAL RECEPTACLES SHOWN ON THE TECHNOLOGY ROUGH-IN DRAWINGS ARE FOR COORDINATION PURPOSES ONLY. REFER TO ELECTRICAL POWER DRAWINGS FOR RECEPTACLE ROUGH-IN REQUIREMENTS.

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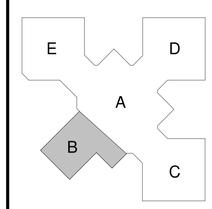

KEY PLAN

CONSTRUCTION DOCUMENTS

BRIAN W. BUTLER
REGISTERED
No.
PE19900001
STATE OF
INDIANA
PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: QDJ
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	06-19-20
2	ADDENDUM #2	06-29-20

UNIT B - FIRST FLOOR TECHNOLOGY ROUGH-IN PLAN

E3.02

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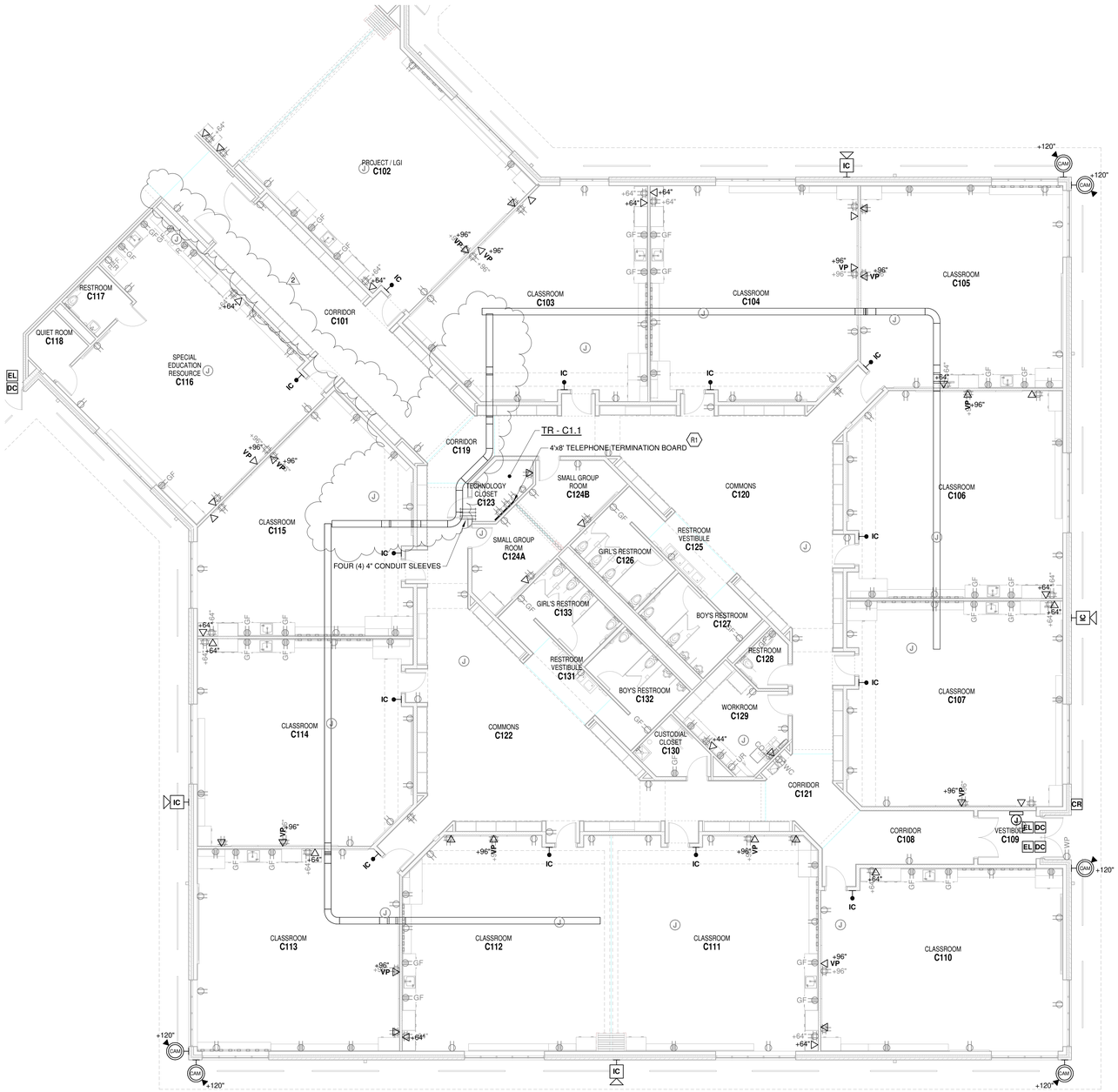
ROOM LEGEND - FIRST FLOOR UNIT C		
ROOM NO.	ROOM NAME	AREA (SF)
C101	CORRIDOR	597 SF
C102	PROJECT / LGI	971 SF
C103	CLASSROOM	897 SF
C104	CLASSROOM	976 SF
C105	CLASSROOM	911 SF
C106	CLASSROOM	976 SF
C107	CLASSROOM	983 SF
C108	CORRIDOR	182 SF
C109	VESTIBULE	70 SF
C110	CLASSROOM	974 SF
C111	CLASSROOM	990 SF
C112	CLASSROOM	982 SF
C113	CLASSROOM	911 SF
C114	CLASSROOM	975 SF
C115	CLASSROOM	898 SF
C116	SPECIAL EDUCATION RESOURCE	946 SF
C117	RESTROOM	56 SF
C118	QUIET ROOM	54 SF
C119	CORRIDOR	78 SF
C120	COMMONS	1165 SF
C121	CORRIDOR	143 SF
C122	COMMONS	1165 SF
C123	TECHNOLOGY CLOSET	61 SF
C124A	SMALL GROUP ROOM	131 SF
C124B	SMALL GROUP ROOM	131 SF
C125	RESTROOM VESTIBULE	72 SF
C126	GIRL'S RESTROOM	146 SF
C127	BOY'S RESTROOM	146 SF
C128	RESTROOM	47 SF
C129	WORKROOM	178 SF
C130	CUSTODIAL CLOSET	68 SF
C131	RESTROOM VESTIBULE	72 SF
C132	BOY'S RESTROOM	146 SF
C133	GIRL'S RESTROOM	146 SF

TECHNOLOGY PLAN NOTES	
R1	SEE DETAIL 4/ E3.07 FOR ROUGH-IN INFORMATION ON TR TELEPHONE TERMINATION BOARD.



UNIT C - FIRST FLOOR TECHNOLOGY ROUGH-IN PLAN

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

GENERAL NOTE:
ELECTRICAL RECEPTACLES SHOWN ON THE TECHNOLOGY ROUGH-IN DRAWINGS ARE FOR COORDINATION PURPOSES ONLY. REFER TO ELECTRICAL POWER DRAWINGS FOR RECEPTACLE ROUGH-IN REQUIREMENTS.

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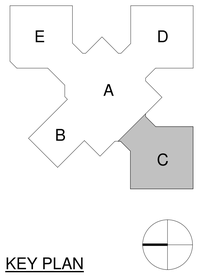

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT
DRAWN BY: CDJ
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06-29-20

UNIT C - FIRST FLOOR TECHNOLOGY ROUGH-IN PLAN

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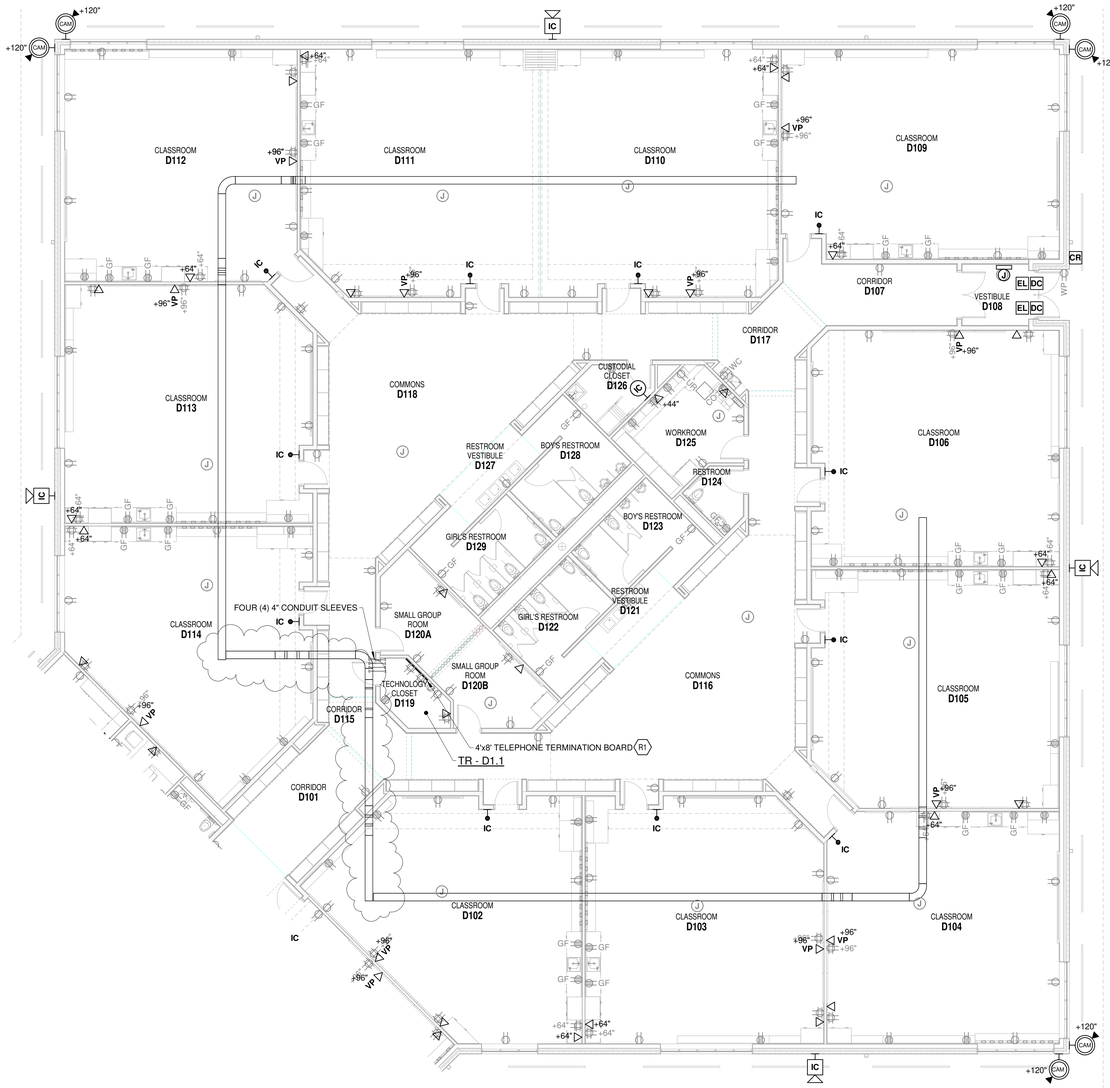
ROOM LEGEND - FIRST FLOOR UNIT D		
ROOM NO.	ROOM NAME	AREA (SF)
D101	CORRIDOR	216 SF
D102	CLASSROOM	897 SF
D103	CLASSROOM	976 SF
D104	CLASSROOM	911 SF
D105	CLASSROOM	976 SF
D106	CLASSROOM	983 SF
D107	CORRIDOR	182 SF
D108	VESTIBULE	70 SF
D109	CLASSROOM	974 SF
D110	CLASSROOM	990 SF
D111	CLASSROOM	982 SF
D112	CLASSROOM	911 SF
D113	CLASSROOM	975 SF
D114	CLASSROOM	896 SF
D115	CORRIDOR	88 SF
D116	COMMONS	1160 SF
D117	CORRIDOR	143 SF
D118	COMMONS	1160 SF
D119	TECHNOLOGY CLOSET	61 SF
D120A	SMALL GROUP ROOM	131 SF
D120B	SMALL GROUP ROOM	131 SF
D121	RESTROOM VESTIBULE	72 SF
D122	GIRL'S RESTROOM	146 SF
D123	BOY'S RESTROOM	146 SF
D124	RESTROOM	47 SF
D125	WORKROOM	178 SF
D126	CUSTODIAL CLOSET	68 SF
D127	RESTROOM VESTIBULE	72 SF
D128	BOY'S RESTROOM	146 SF
D129	GIRL'S RESTROOM	146 SF

TECHNOLOGY PLAN NOTES

R1	SEE DETAIL 4/ E3.07 FOR ROUGH-IN INFORMATION ON TR TELEPHONE TERMINATION BOARD.



UNIT D - FIRST FLOOR TECHNOLOGY ROUGH-IN PLAN

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

GENERAL NOTE:
ELECTRICAL RECEPTACLES SHOWN ON THE TECHNOLOGY ROUGH-IN DRAWINGS ARE FOR COORDINATION PURPOSES ONLY. REFER TO ELECTRICAL POWER DRAWINGS FOR RECEPTACLE ROUGH-IN REQUIREMENTS.

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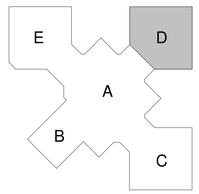

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT
DRAWN BY: ODJ
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06-29-20

UNIT D - FIRST FLOOR TECHNOLOGY ROUGH-IN PLAN

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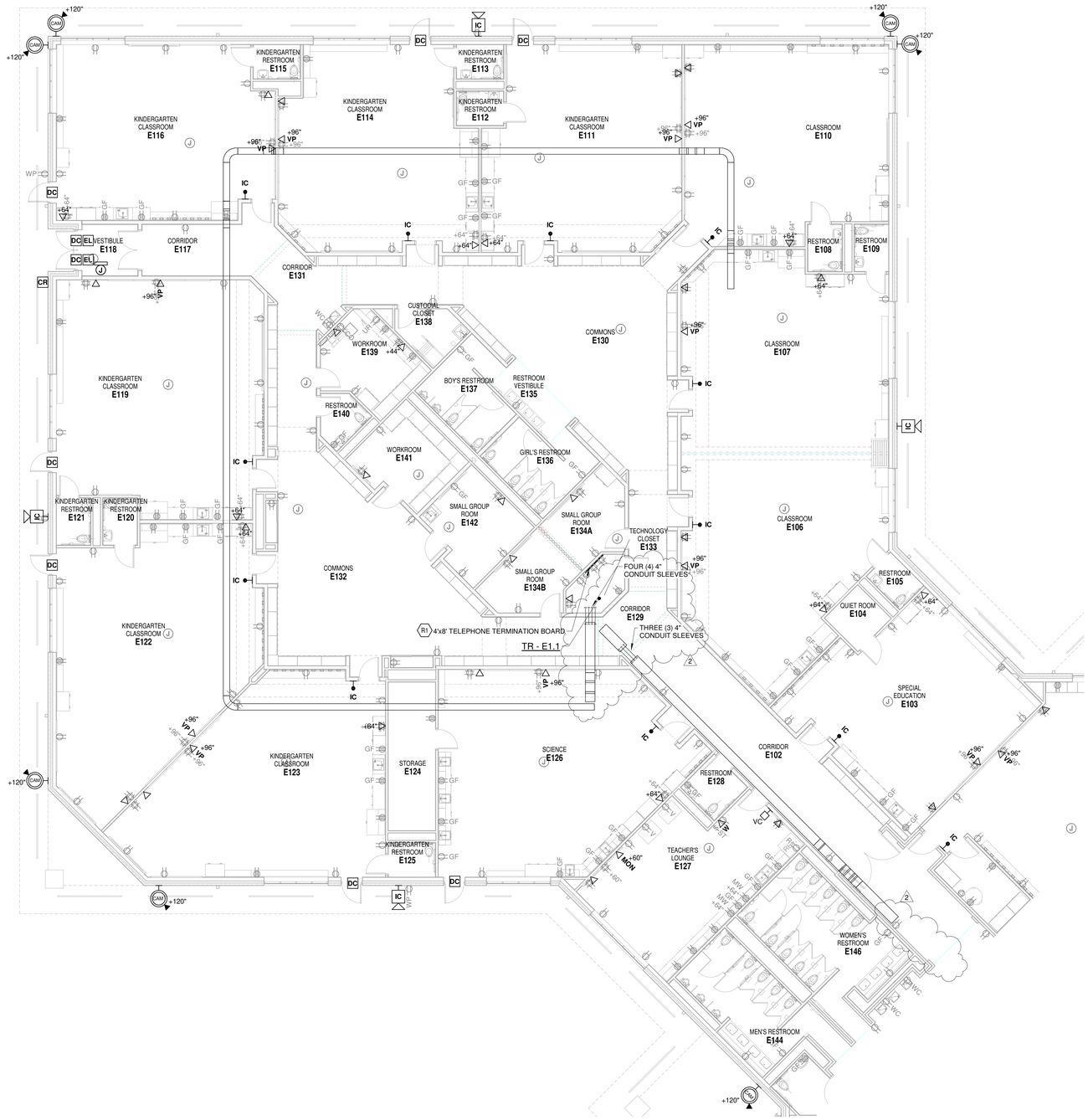

UNIT E - FIRST FLOOR TECHNOLOGY ROUGH-IN PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT E

ROOM NO.	ROOM NAME	AREA (SF)
E101	CORRIDOR	216 SF
E102	CORRIDOR	529 SF
E103	SPECIAL EDUCATION	789 SF
E104	QUIET ROOM	54 SF
E105	RESTROOM	39 SF
E106	CLASSROOM	942 SF
E107	CLASSROOM	954 SF
E108	RESTROOM	39 SF
E109	RESTROOM	39 SF
E110	CLASSROOM	942 SF
E111	KINDERGARTEN CLASSROOM	938 SF
E112	KINDERGARTEN RESTROOM	39 SF
E113	KINDERGARTEN RESTROOM	39 SF
E114	KINDERGARTEN CLASSROOM	907 SF
E115	KINDERGARTEN RESTROOM	39 SF
E116	KINDERGARTEN CLASSROOM	888 SF
E117	CORRIDOR	179 SF
E118	VESTIBULE	70 SF
E119	KINDERGARTEN CLASSROOM	1139 SF
E120	KINDERGARTEN RESTROOM	39 SF
E121	KINDERGARTEN RESTROOM	39 SF
E122	KINDERGARTEN CLASSROOM	1132 SF
E123	KINDERGARTEN CLASSROOM	1066 SF
E124	STORAGE	171 SF
E125	KINDERGARTEN RESTROOM	39 SF
E126	SCIENCE	1089 SF
E127	TEACHER'S LOUNGE	533 SF
E128	RESTROOM	54 SF
E129	CORRIDOR	83 SF
E130	COMMONS	1155 SF
E131	CORRIDOR	142 SF
E132	COMMONS	1136 SF
E133	TECHNOLOGY CLOSET	61 SF
E134A	SMALL GROUP ROOM	131 SF
E134B	SMALL GROUP ROOM	131 SF
E135	RESTROOM VESTIBULE	74 SF
E136	GIRL'S RESTROOM	146 SF
E137	BOY'S RESTROOM	146 SF
E138	CUSTODIAL CLOSET	68 SF
E139	WORKROOM	178 SF
E140	RESTROOM	47 SF
E141	WORKROOM	171 SF
E142	SMALL GROUP ROOM	171 SF
E144	MEN'S RESTROOM	255 SF
E145	FAMILY RESTROOM	63 SF
E146	WOMEN'S RESTROOM	333 SF

TECHNOLOGY PLAN NOTES

R1	SEE DETAIL 4/ E3.07 FOR ROUGH-IN INFORMATION ON TR TELEPHONE TERMINATION BOARD.

GENERAL NOTE:
ELECTRICAL RECEPTACLES SHOWN ON THE TECHNOLOGY ROUGH-IN DRAWINGS ARE FOR COORDINATION PURPOSES ONLY. REFER TO ELECTRICAL POWER DRAWINGS FOR RECEPTACLE ROUGH-IN REQUIREMENTS.

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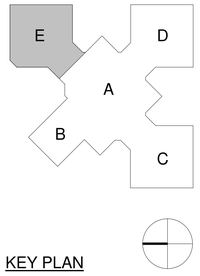

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT
DRAWN BY: Author
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06-29-20

UNIT E - FIRST FLOOR TECHNOLOGY ROUGH-IN PLAN

E3.05

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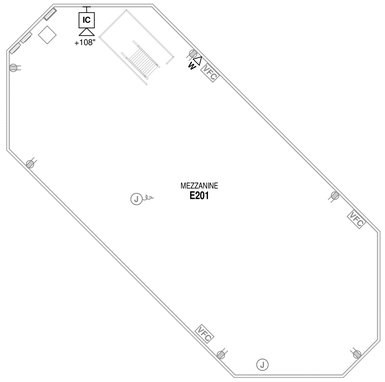
ROOM LEGEND - SECOND FLOOR UNIT A		
ROOM NO.	ROOM NAME	AREA (SF)
A201	MEZZANINE	1769 SF

ROOM LEGEND - SECOND FLOOR UNIT B		
ROOM NO.	ROOM NAME	AREA (SF)
B201	MEZZANINE	912 SF

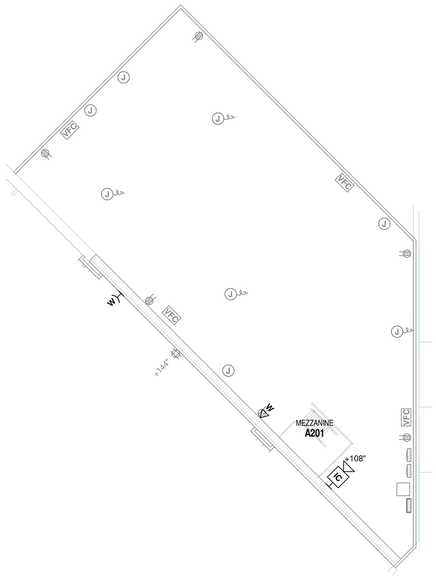
ROOM LEGEND - SECOND FLOOR UNIT C		
ROOM NO.	ROOM NAME	AREA (SF)
C201	MEZZANINE	1407 SF

ROOM LEGEND - SECOND FLOOR UNIT D		
ROOM NO.	ROOM NAME	AREA (SF)
D201	MEZZANINE	1409 SF

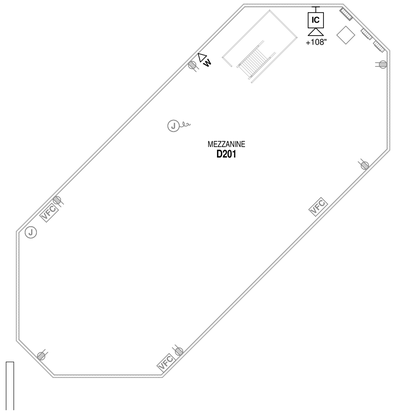
ROOM LEGEND - SECOND FLOOR UNIT E		
ROOM NO.	ROOM NAME	AREA (SF)
E201	MEZZANINE	1409 SF



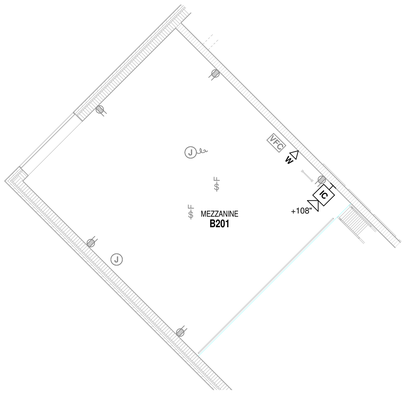
UNIT E - SECOND FLOOR TECHNOLOGY ROUGH-IN PLAN
SCALE: 1/8" = 1'-0"



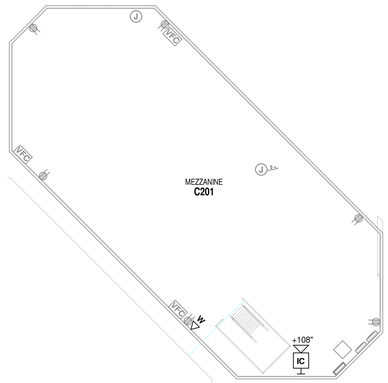
UNIT A - SECOND FLOOR TECHNOLOGY ROUGH-IN PLAN
SCALE: 1/8" = 1'-0"



UNIT D - SECOND FLOOR TECHNOLOGY ROUGH-IN PLAN
SCALE: 1/8" = 1'-0"



UNIT B - SECOND FLOOR TECHNOLOGY ROUGH-IN PLAN
SCALE: 1/8" = 1'-0"



UNIT C - SECOND FLOOR TECHNOLOGY ROUGH-IN PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTE:
ELECTRICAL RECEPTACLES SHOWN ON THE TECHNOLOGY ROUGH-IN DRAWINGS ARE FOR COORDINATION PURPOSES ONLY. REFER TO ELECTRICAL POWER DRAWINGS FOR RECEPTACLE ROUGH-IN REQUIREMENTS.

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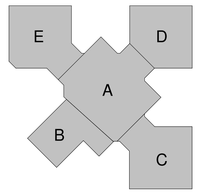

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT
DRAWN BY: Author
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06-29-20

UNIT A -MEZZANINE ROUGH-IN PLAN

E3.06

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COMMUNICATIONS ROUGH-IN SYMBOLS

SYMBOL	DESCRIPTION	MH UNO	ROUGH-IN DETAIL #
◁	COMMUNICATIONS OUTLET. 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING. WITH 2 (TWO) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	16"	6, 8
◁ W	WALL MOUNTED COMMUNICATIONS OUTLET. 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	44"	5
	MULTI CAPACITY FLOOR BOX WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING AND ONE (1) 1" CONDUIT TO NEAREST TELECOMMUNICATIONS ROOM. PROVIDE PLASTIC BUSHINGS AND PULL STRINGS.	F	5/ E3.08
◁ VP	WALL MOUNTED VIDEO PROJECTOR. 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING. WITH 2 (TWO) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING. COORDINATE WITH TECHNOLOGY AND ARCHITECTURAL DRAWINGS.	8'-4"	6, 8
W	WALL MOUNTED WIRELESS ACCESS POINT. 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	10'-0"	5
W	CEILING MOUNTED WIRELESS ACCESS POINT. 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	C	-
	18" CABLE TRAY, UNLESS OTHERWISE NOTED	-	1, 2, 2/ E3.08
	2" CONDUIT SLEEVES BETWEEN WALLS, UNLESS OTHERWISE NOTED	-	7/ E3.08
○ ○	2 (TWO) 4" CONDUIT SLEEVES BETWEEN FLOORS	-	-
	4' x 8' x 3/4" FIRE RATED PLYWOOD	-	3, 4
▽	POKE-THRU FLOOR BOX WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING AND ONE (1) 1" CONDUIT TO NEAREST TELECOMMUNICATIONS ROOM. PROVIDE PLASTIC BUSHINGS AND PULL STRINGS.	F	-

PUBLIC ADDRESS AND MASS NOTIFICATION SYSTEMS ROUGH-IN SYMBOLS

SYMBOL	DESCRIPTION	MH UNO	ROUGH-IN DETAIL #
	SOUND SYSTEM ANTENNA. 1 GANG, 3.5" DEEP BOX WITH 1" CONDUIT TO SOUND SYSTEM JUNCTION BOX	BETWEEN JOISTS	1 & 5 /E3.09
S	CEILING MOUNTED SOUND SYSTEM SPEAKER, 1 GANG BOX WITH 1" CONDUIT TO SOUND SYSTEM JUNCTION BOX	-	1 & 5 /E3.09
S	WALL MOUNTED SOUND REINFORCEMENT SPEAKER BOX, 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	-	1 & 5 /E3.09
M	MICROPHONE INPUT. 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT TO SOUND SYSTEM JUNCTION BOX WITH PULL STRING.	16"	1 & 5 /E3.09
MA	WALL MOUNTED MICROPHONE/AUXILIARY INPUT. 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT TO SOUND SYSTEM JUNCTION BOX WITH PULL STRING.	16"	1 & 5 /E3.09
S	WALL MOUNTED SOUND SYSTEM SPEAKER OUTLET. 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT TO SOUND SYSTEM JUNCTION BOX WITH PULL STRING.	NOTED ON DRAWINGS	1 & 5 /E3.09
	RECESSED JUNCTION BOX FOR SOUND SYSTEM. REFER TO DETAILS AND FLOORPLANS FOR SIZE.	16"	1 & 5 /E3.09

INTERCOMMUNICATIONS AND PROGRAM SYSTEMS ROUGH-IN SYMBOLS

SYMBOL	DESCRIPTION	MH UNO	ROUGH-IN DETAIL #
IC	CALL-IN SWITCH. 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	44"	5
VC	VOLUME CONTROL. 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	44"	5
IC	WALL MOUNTED HORN SPEAKER. 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	96"	5
	SOUND SYSTEM MASTER STATION. 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING, 2 (TWO) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	-	6, 8
	ROOF MOUNTED AM/FM ANTENNA	ROOF	1/ E3.08
◁ WR	REMOTE DESK INTERCOM CABINET ROUGH-IN. 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING, 2 (TWO) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING. COORDINATE WITH CASEWORK.	-	6, 8
IC	METAL SURFACE WALL MOUNTED SPEAKER. 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	96"	5

ACCESS CONTROL ROUGH-IN SYMBOLS

SYMBOL	DESCRIPTION	MH UNO	ROUGH-IN DETAIL #
CR	CARD READER. 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING, 1 (ONE) 1" CONDUIT TO JUNCTION BOX ABOVE DOOR	44"	6/ E3.09
EL	ELECTRONIC LATCH. 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING, 1 (ONE) 1" CONDUIT TO JUNCTION BOX ABOVE DOOR	-	6/ E3.09
J	24" W x 24" H x 6" D JUNCTION BOX ABOVE DOOR FOR ACCESS CONTROL DOOR CONTROLLER.	ABOVE CLG.	6/ E3.09
ADO	AUTOMATIC DOOR OPERATOR, 1" CONDUIT TO JUNCTION BOX ABOVE DOOR	-	6/ E3.09

INTRUSION DETECTION ROUGH-IN SYMBOLS

SYMBOL	DESCRIPTION	MH UNO	ROUGH-IN DETAIL #
DC	DOOR CONTACT ROUGH-IN	-	6/ E3.09

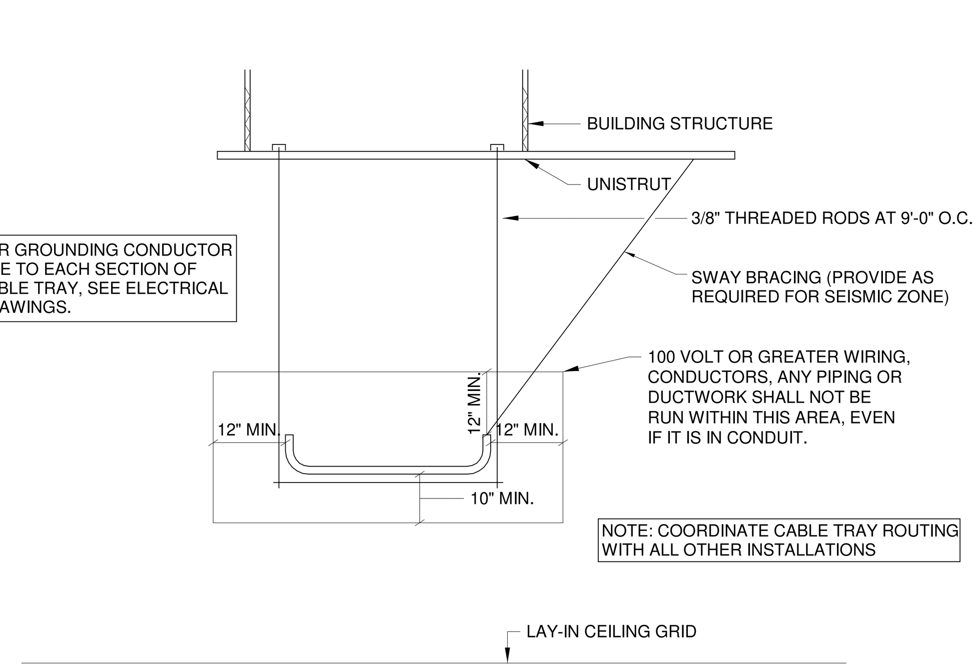
AUDIO/VISUAL ACCESS CONTROL ROUGH-IN SYMBOLS

SYMBOL	DESCRIPTION	MH UNO	ROUGH-IN DETAIL #
MI	MASTER INTERCOM. 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING, 1 (ONE) 1" CONDUIT TO JUNCTION BOX ABOVE DOOR	-	5
IC	INTERCOM BOX. 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING, 1 (ONE) 1" CONDUIT TO JUNCTION BOX ABOVE DOOR	60"	5

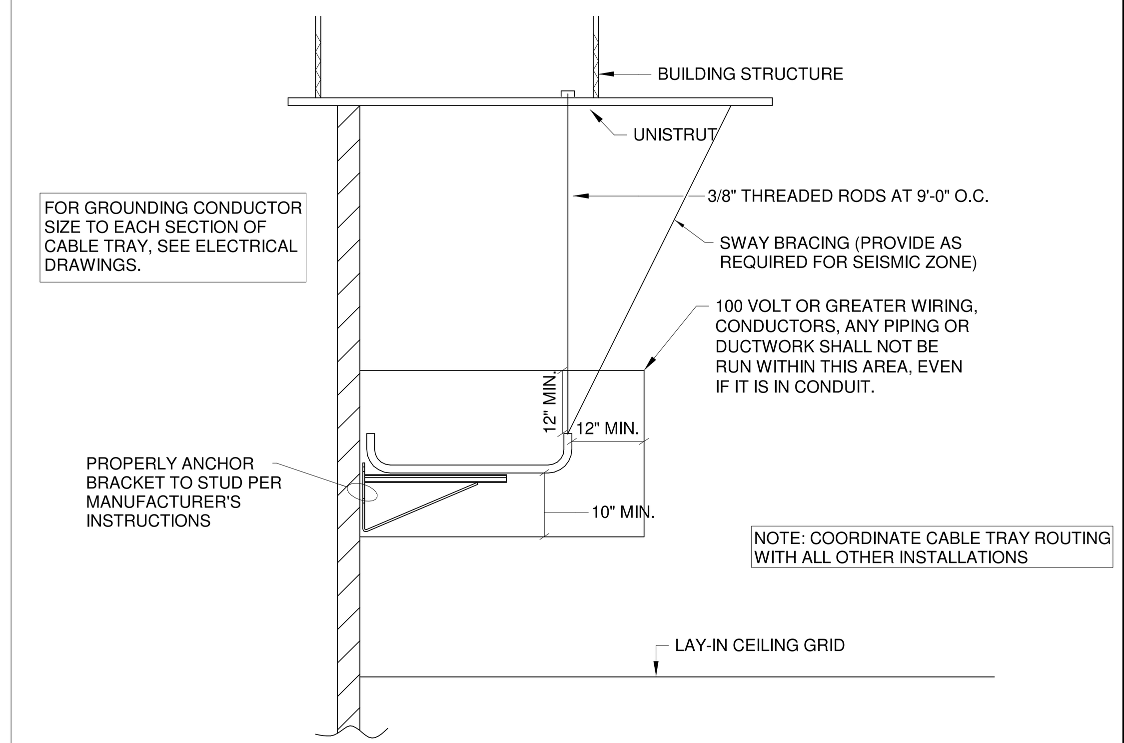
VIDEO SURVEILLANCE CAMERA ROUGH-IN SYMBOL

SYMBOL	DESCRIPTION	MH UNO	ROUGH-IN DETAIL #
CAM W	WALL MOUNTED VIDEO SURVEILLANCE CAMERA 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING WITH 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PULL BOX. (MOUNT WITHIN 12" OF CORNER WHEN APPLICABLE)	NOTED ON DWGS	9/ E3.08
CAM WP	WALL MOUNTED WEATHERPROOF VIDEO SURVEILLANCE CAMERA, 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING WITH 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PULL BOX. (MOUNT WITHIN 12"-16" OF CORNER WHEN APPLICABLE)	NOTED ON DWGS	9/ E3.08

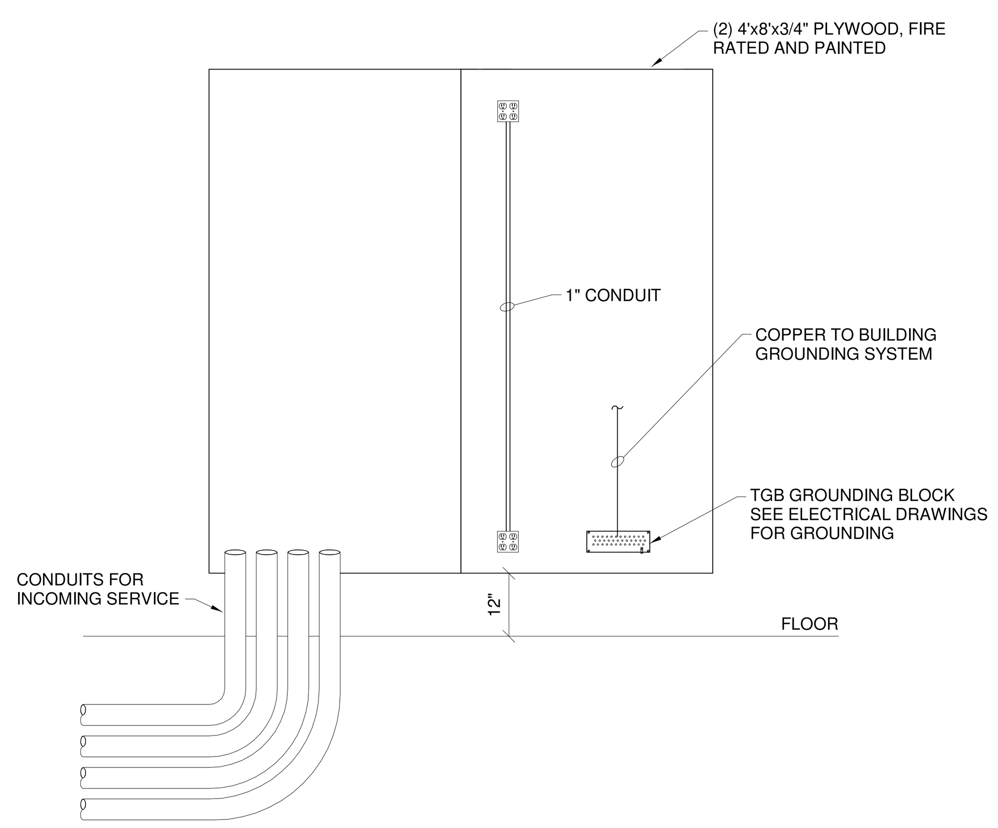
2



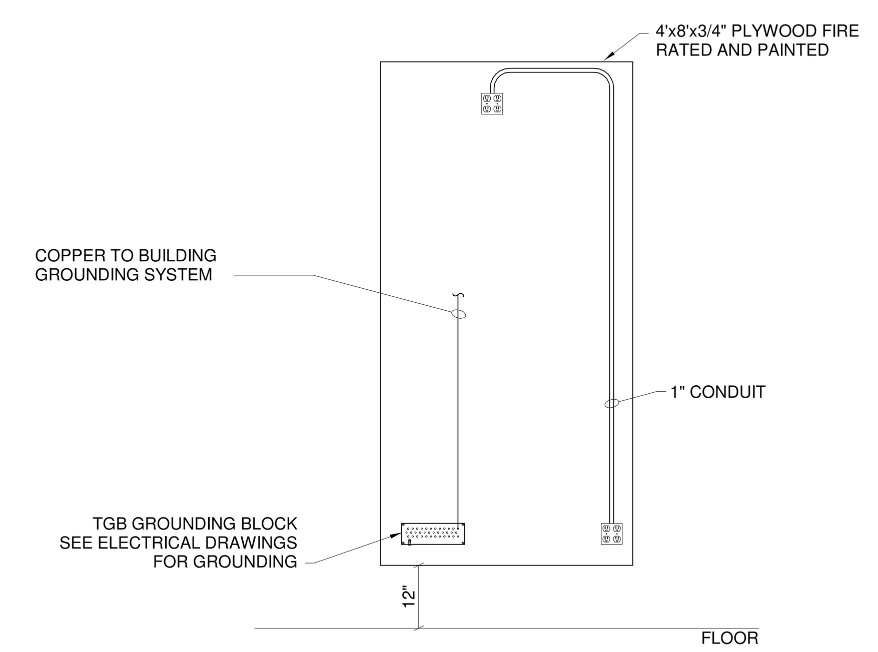
1 CABLE TRAY ELEVATION DETAIL SUSPENDED
N.T.S.



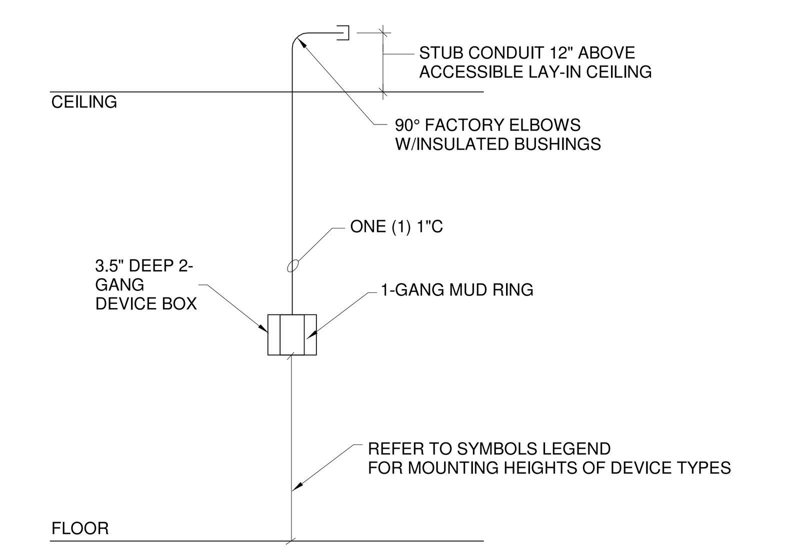
2 CABLE TRAY ELEVATION DETAIL WALL BRACKET
N.T.S.



3 MC/ER TELEPHONE TERMINATION BOARD
N.T.S.

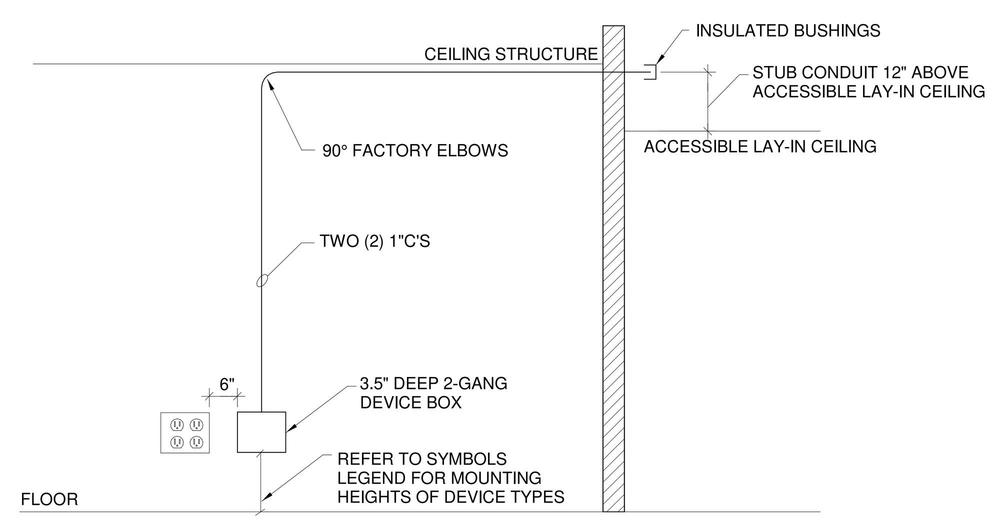


4 TR TELEPHONE TERMINATION BOARD
N.T.S.



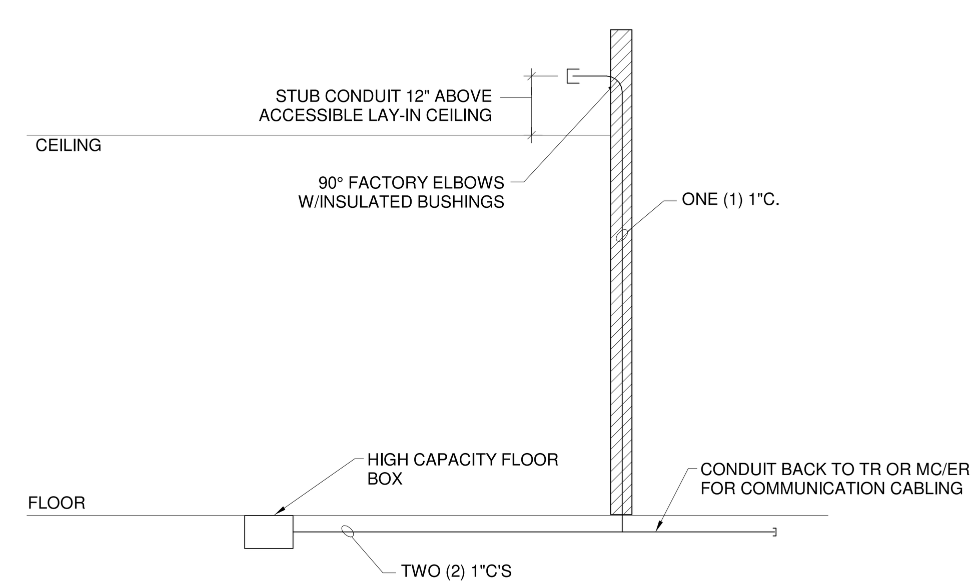
GENERAL NOTES:
1. PROVIDE BLANK COVERPLATES FOR ALL UNUSED BOXES.
2. PROVIDE PULL STRINGS IN CONDUIT RUNS GREATER THAN 10' IN LENGTH.

5 TECHNOLOGY ROUGH-IN REQUIREMENTS 1-GANG WALL BOX - ACCESSIBLE LAY-IN CEILINGS
N.T.S.



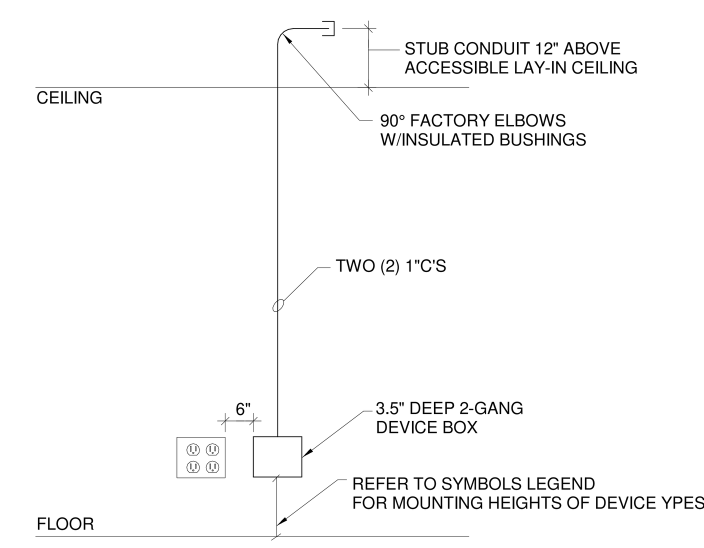
GENERAL NOTES:
1. MOUNTING HEIGHTS AS LISTED ON THIS SHEET UNLESS NOTED OTHERWISE.
2. PROVIDE BLANK COVERPLATES FOR ALL UNUSED BOXES.
3. RECEPTACLES ARE SHOWN FOR COORDINATION ONLY. REFER TO ELECTRICAL DRAWINGS FOR QUANTITY, CIRCUITING, MOUNTING, AND ADDITIONAL REQUIREMENTS.
4. PROVIDE PULL STRINGS IN CONDUIT RUNS GREATER THAN 10' IN LENGTH.

6 TECHNOLOGY ROUGH-IN REQUIREMENTS 2-GANG WALL BOX - EXPOSED CEILINGS TO NEAREST ACCESSIBLE LAY-IN CEILING
N.T.S.



GENERAL NOTES:
1. PROVIDE BLANK COVERPLATES FOR ALL UNUSED BOXES.
2. RECEPTACLES ARE SHOWN FOR COORDINATION ONLY. REFER TO ELECTRICAL DRAWINGS FOR QUANTITY, CIRCUITING, MOUNTING, AND ADDITIONAL REQUIREMENTS.
3. PROVIDE PULL STRINGS IN CONDUIT RUNS GREATER THAN 10' IN LENGTH.

7 TECHNOLOGY ROUGH-IN REQUIREMENTS FLOOR BOX - ACCESSIBLE LAY-IN CEILINGS
N.T.S.



GENERAL NOTES:
1. MOUNTING HEIGHTS AS LISTED ON THIS SHEET UNLESS NOTED OTHERWISE.
2. PROVIDE BLANK COVERPLATES FOR ALL UNUSED BOXES.
3. RECEPTACLES ARE SHOWN FOR COORDINATION ONLY. REFER TO ELECTRICAL DRAWINGS FOR QUANTITY, CIRCUITING, MOUNTING, AND ADDITIONAL REQUIREMENTS.
4. PROVIDE PULL STRINGS IN CONDUIT RUNS GREATER THAN 10' IN LENGTH.

8 TECHNOLOGY ROUGH-IN REQUIREMENTS 2-GANG WALL BOX - ACCESSIBLE LAY-IN CEILINGS
N.T.S.

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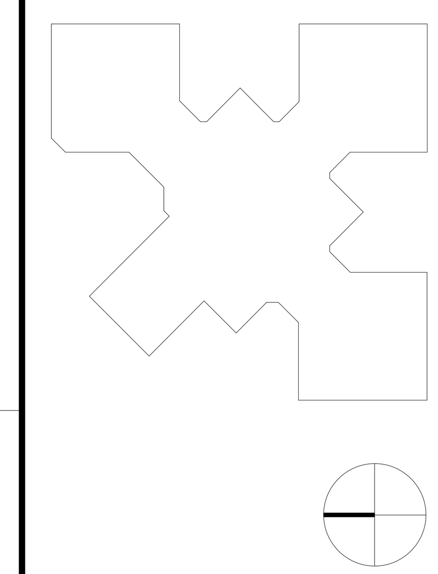

CONSTRUCTION DOCUMENTS

BRIAN W. BUTLER REGISTERED No. PE 11600305 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: QDJ
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06-29-20

TECHNOLOGY ROUGH-IN DETAILS

E3.07

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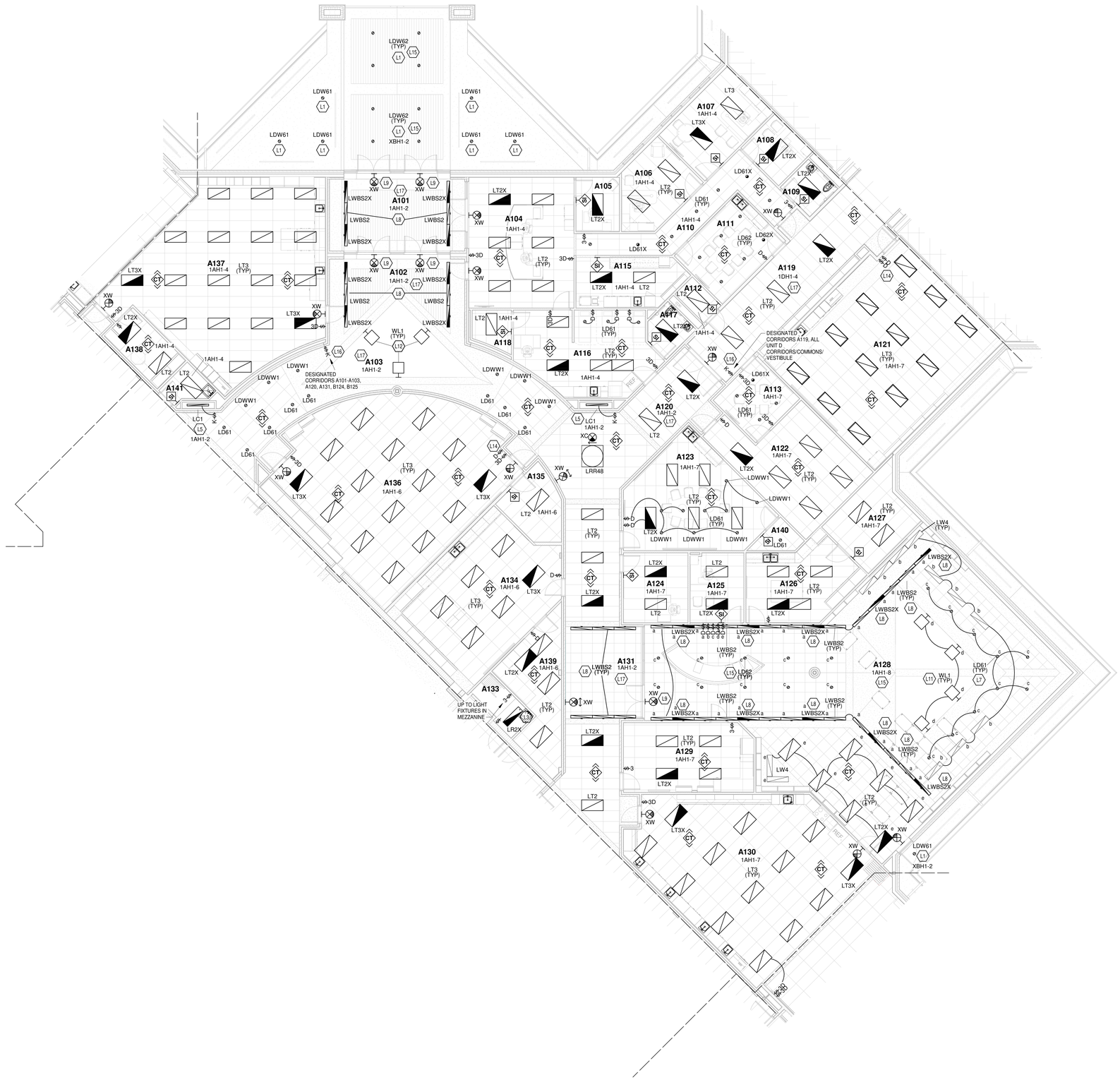
ALL EMERGENCY LIGHT FIXTURES AND EXIT SIGNS IN THIS UNIT TO BE WIRED TO EMERGENCY CIRCUIT XBH1-1



UNIT A - FIRST FLOOR LIGHTING PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT A

ROOM NO.	ROOM NAME	AREA (SF)
A101	VESTIBULE	341 SF
A102	LOBBY	366 SF
A103	CORRIDOR	925 SF
A104	RECEPTION AREA	470 SF
A105	OFFICE	80 SF
A106	ASSISTANT PRINCIPAL'S OFFICE	166 SF
A107	PRINCIPAL'S OFFICE	214 SF
A108	OFFICE	87 SF
A109	RESTROOM	56 SF
A110	CORRIDOR	230 SF
A111	CONFERENCE ROOM	208 SF
A112	STORAGE	34 SF
A113	GUIDANCE CONFERENCE ROOM	127 SF
A115	WORKROOM	175 SF
A116	CLINIC	366 SF
A117	RESTROOM	54 SF
A118	STORAGE	48 SF
A119	CORRIDOR	488 SF
A120	CORRIDOR	289 SF
A121	CLASSROOM	956 SF
A122	GUIDANCE COUNCELOR'S OFFICE	377 SF
A123	CONFERENCE ROOM	433 SF
A124	SPEECH AND HEARING	154 SF
A125	OFFICE	127 SF
A126	WORKROOM	261 SF
A127	STORAGE	180 SF
A128	MEDIA CENTER	2434 SF
A129	STORAGE	305 SF
A130	PROJECT	1039 SF
A131	CORRIDOR	706 SF
A133	CUSTODIAL CLOSET	60 SF
A134	WORKROOM	600 SF
A135	STORAGE	112 SF
A136	MUSIC	1162 SF
A137	ART	1105 SF
A138	STORAGE / KILN	102 SF
A139	PUBLICATION	222 SF
A140	STORAGE	35 SF
A141	JANITOR CLOSET	43 SF

GENERAL NOTES - LIGHTING

1. GENERATOR TRANSFER DEVICE TO TAKE FIXTURE TO 100% IN EMERGENCY CONDITION.
2. FINAL CONNECTION TO RECESSED LUMINAIRES SHALL BE WITH FLEXIBLE METALLIC CONDUIT, MC CABLE OR MANUFACTURED WIRING SYSTEM.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATION OF LUMINAIRES. COORDINATE LOCATION OF LUMINAIRES, LOUDSPEAKERS, DIFFUSERS, GRILLES, AND OTHER CEILING INSTALLED ELEMENTS WITH THEIR RESPECTIVE INSTALLERS.
4. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM FINISH SCHEDULE TO DETERMINE PROPER TYPE OF LUMINAIRE TRIM REQUIRED FOR CEILING TYPE PRIOR TO ORDERING LUMINAIRES. PROVIDE LUMINAIRES COMPATIBLE WITH CEILING TYPE.
5. RECESSED LUMINAIRE IN GRID CEILING SYSTEMS SHALL BE PROVIDED WITH SEISMIC CLIPS OR PROVIDE ATTACHMENT TO CEILING GRID SYSTEM AND SUPPORTED PER PROJECT MANUAL AND DETAIL **"2.51.04"**.
6. LUMINAIRE TYPE IS SHOWN ONLY ONCE, AS "TYP." IN EVERY ROOM. PROVIDE SAME TYPE OF LUMINAIRE THROUGH-OUT SAME ROOM UNLESS OTHERWISE INDICATED.
7. PROVIDE NO. 10 AWG, MINIMUM, CONDUCTORS FOR EXIT SIGNS AND SECURITY LIGHT CIRCUITS.
8. EMERGENCY LIGHT FIXTURES THAT ARE NOT IN THE PATH OF EGRESS DO NOT REQUIRE AN EMERGENCY TRANSFER DEVICE.

KEYNOTES

L1	OUTDOOR SECURITY LIGHTING IS TO BE WIRED TO EMERGENCY CIRCUIT "XBH1-2" AND CONTROLLED VIA LIGHTING CONTACTOR "LC-2" IN ROOM B126.
L3	MOUNT THIS FIXTURE AT 10'-0" A.F.F.
L5	INSTALL LIGHT FIXTURE TYPE LC1 IN DISPLAY CASE. REFER TO THE ARCHITECTURAL DISPLAY CASE DETAILS FOR EXACT MOUNTING LOCATION.
L7	PROVIDE A SLOPED CEILING ADAPTER FOR THESE LD61 LIGHT FIXTURES. DETERMINE CEILING SLOPE IN THE FIELD.
L8	MOUNT LIGHT FIXTURE TYPES LWBS2(X) IN THIS SPACE TO THE FACE OF THE BULKHEAD AT 10'-0" A.F.F.
L9	MOUNT EXIT SIGN AT 8'-0" A.F.F. ON THE CENTER MULLION OF STOREFRONT. PROVIDE FLEX CONDUIT TO EXIT SIGN, RUN INSIDE THE MULLION.
L11	MOUNT LIGHT FIXTURE TYPE WL1 ON VERTICAL SURFACE OF MEDIA CENTER BULKHEAD AT 12'-6" A.F.F.
L12	MOUNT LIGHT FIXTURE TYPE WL1 ON VERTICAL SURFACE OF ENTRY BULKHEAD AT 13'-0" A.F.F.
L14	PROVIDE ONE DIMMER SWITCH FOR THE LIGHT FIXTURES AT THE TEACHING WALL AND ONE DIMMER SWITCH FOR THE OTHER LIGHT FIXTURES.
L15	PROVIDE LIGHT FIXTURES IN THE SLOPED CEILING WITH A SLOPED CEILING ADAPTER.
L16	KEYED LIGHT SWITCH TO CONTROL ALL LIGHT FIXTURES IN DESIGNATED CORRIDORS.
L17	LIGHT FIXTURES IN THIS CORRIDOR/COMMONS AREA/LOBBY/VESTIBULE ARE TO BE CONTROLLED BY A KEYED LIGHT SWITCH.

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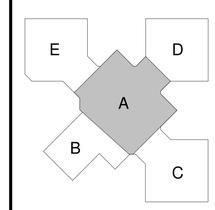

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT

DRAWN BY: MMS

PROJECT NUMBER: 219124.00

PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	06.19.2020
2	ADDENDUM #2	06.29.2020

UNIT A - FIRST FLOOR LIGHTING PLAN

E4.01

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ALL EMERGENCY LIGHT FIXTURES AND EXIT SIGNS IN THIS UNIT TO BE WIRED TO EMERGENCY CIRCUIT XBH1-3

UNIT B - FIRST FLOOR LIGHTING PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT B		
ROOM NO.	ROOM NAME	AREA (SF)
B101	VESTIBULE	270 SF
B102	EVENT LOBBY	1567 SF
B103	STUDENT DINING	3444 SF
B104	RAMP	199 SF
B105	PLATFORM	845 SF
B106	STORAGE	118 SF
B107	CHAIR STORAGE	148 SF
B108	GYMNASIUM	6377 SF
B109	PE OFFICE	129 SF
B110	PE STORAGE	272 SF
B111	OUTDOOR STORAGE	467 SF
B112	MECHANICAL	1212 SF
B113	ELECTRICAL	167 SF
B114	COOLER / FREEZER	331 SF
B115	WARE WASHING	254 SF
B116	SERVING AREA	216 SF
B117	KITCHEN	1241 SF
B118	OFFICE	81 SF
B119	RESTROOM	53 SF
B120	CORRIDOR	350 SF
B121	DRY FOOD STORAGE	204 SF
B122	CUSTODIAL	75 SF
B123	OFFICE	108 SF
B124	CORRIDOR	372 SF
B125	CORRIDOR	488 SF
B126	ELECTRICAL	57 SF
B126	Room	Not Placed
B127	STORAGE	81 SF
B128	CORRIDOR	314 SF

GENERAL NOTES - LIGHTING

1. GENERATOR TRANSFER DEVICE TO TAKE FIXTURE TO 100% IN EMERGENCY CONDITION.
2. FINAL CONNECTION TO RECESSED LUMINAIRES SHALL BE WITH FLEXIBLE METALLIC CONDUIT, MC CABLE OR MANUFACTURED WIRING SYSTEM.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATION OF LUMINAIRES. COORDINATE LOCATION OF LUMINAIRES, LOUDSPEAKERS, DIFFUSERS, GRILLES, AND OTHER CEILING INSTALLED ELEMENTS WITH THEIR RESPECTIVE INSTALLERS.
4. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM FINISH SCHEDULE TO DETERMINE PROPER TYPE OF LUMINAIRE TRIM REQUIRED FOR CEILING TYPE PRIOR TO ORDERING LUMINAIRES. PROVIDE LUMINAIRES COMPATIBLE WITH CEILING TYPE.
5. RECESSED LUMINAIRE IN GRID CEILING SYSTEMS SHALL BE PROVIDED WITH SEISMIC CLIPS OR PROVIDE ATTACHMENT TO CEILING GRID SYSTEM AND SUPPORTED PER PROJECT MANUAL AND DETAIL "**3/E1.04**".
6. LUMINAIRE TYPE IS SHOWN ONLY ONCE, AS "TYP." IN EVERY ROOM. PROVIDE SAME TYPE OF LUMINAIRE THROUGH-OUT SAME ROOM UNLESS OTHERWISE INDICATED.
7. PROVIDE NO. 10 AWG, MINIMUM, CONDUCTORS FOR EXIT SIGNS AND SECURITY LIGHT CIRCUITS.
8. EMERGENCY LIGHT FIXTURES THAT ARE NOT IN THE PATH OF EGRESS DO NOT REQUIRE AN EMERGENCY TRANSFER DEVICE.

KEYNOTES	
L1	OUTDOOR SECURITY LIGHTING IS TO BE WIRED TO EMERGENCY CIRCUIT "XBH1-2" AND CONTROLLED VIA LIGHTING CONTACTOR "LC-2" IN ROOM B126.
L2	OUTDOOR SECURITY LIGHTING IS TO BE WIRED TO EMERGENCY CIRCUIT "XBH1-2" AND CONTROLLED VIA LIGHTING CONTACTOR "LC-2" IN ROOM B126. REFER TO THE ARCHITECTURAL EXTERIOR ELEVATION DRAWING SHEETS FOR 12'-0"A.F.F. MOUNTING HEIGHT OF THIS LIGHT FIXTURE.
L3	MOUNT THIS FIXTURE AT 10'-0" A.F.F.
L4	MOUNT LIGHT FIXTURES IN THIS ROOM AT 10'-0" A.F.F AND TO MISS MECHANICAL EQUIPMENT.
L6	MOUNT LIGHT FIXTURE TYPES LH-12 AND LH-12X AT 25'-0" A.F.F. IN THIS ROOM.
L9	MOUNT EXIT SIGN AT 6'-0" A.F.F. ON THE DENTER MULLION OF STOREFRONT. PROVIDE FLEX CONDUIT TO EXIT SIGN, RUN INSIDE THE MULLION.
L13	REFER TO DETAIL "5/E1.04" FOR ADDITIONAL STAGE LIGHTING REQUIREMENTS.
L16	KEYED LIGHT SWITCH TO CONTROL ALL LIGHT FIXTURES IN DESIGNATED CORRIDORS.
L17	LIGHT FIXTURES IN THIS CORRIDOR/COMMONS AREA LOBBY/VESTIBULE ARE TO BE CONTROLLED BY A KEYED LIGHT SWITCH.

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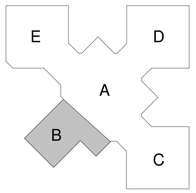

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT
DRAWN BY: MMS
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	06.19.2020
2	ADDENDUM #2	06.29.2020

UNIT B - FIRST FLOOR LIGHTING PLAN

E4.02

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ALL EMERGENCY LIGHT FIXTURES AND EXIT SIGNS IN THIS UNIT TO BE WIRED TO EMERGENCY CIRCUIT XBH1-4

UNIT C - FIRST FLOOR LIGHTING PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT C		
ROOM NO.	ROOM NAME	AREA (SF)
C101	CORRIDOR	597 SF
C102	PROJECT / LGI	971 SF
C103	CLASSROOM	897 SF
C104	CLASSROOM	976 SF
C105	CLASSROOM	911 SF
C106	CLASSROOM	976 SF
C107	CLASSROOM	983 SF
C108	CORRIDOR	182 SF
C109	VESTIBULE	70 SF
C110	CLASSROOM	974 SF
C111	CLASSROOM	990 SF
C112	CLASSROOM	982 SF
C113	CLASSROOM	911 SF
C114	CLASSROOM	975 SF
C115	CLASSROOM	898 SF
C116	SPECIAL EDUCATION RESOURCE	946 SF
C117	RESTROOM	56 SF
C118	QUIET ROOM	54 SF
C119	CORRIDOR	78 SF
C120	COMMONS	1165 SF
C121	CORRIDOR	143 SF
C122	COMMONS	1165 SF
C123	TECHNOLOGY CLOSET	61 SF
C124A	SMALL GROUP ROOM	131 SF
C124B	SMALL GROUP ROOM	131 SF
C125	RESTROOM VESTIBULE	72 SF
C126	GIRL'S RESTROOM	146 SF
C127	BOY'S RESTROOM	146 SF
C128	RESTROOM	47 SF
C129	WORKROOM	178 SF
C130	CUSTODIAL CLOSET	68 SF
C131	RESTROOM VESTIBULE	72 SF
C132	BOY'S RESTROOM	146 SF
C133	GIRL'S RESTROOM	146 SF

GENERAL NOTES - LIGHTING

1. GENERATOR TRANSFER DEVICE TO TAKE FIXTURE TO 100% IN EMERGENCY CONDITION.
2. FINAL CONNECTION TO RECESSED LUMINAIRES SHALL BE WITH FLEXIBLE METALLIC CONDUIT, MC CABLE OR MANUFACTURED WIRING SYSTEM.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATION OF LUMINAIRES. COORDINATE LOCATION OF LUMINAIRES, LOUDSPEAKERS, DIFFUSERS, GRILLES, AND OTHER CEILING INSTALLED ELEMENTS WITH THEIR RESPECTIVE INSTALLERS.
4. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM FINISH SCHEDULE TO DETERMINE PROPER TYPE OF LUMINAIRE TRIM REQUIRED FOR CEILING TYPE PRIOR TO ORDERING LUMINAIRES. PROVIDE LUMINAIRES COMPATIBLE WITH CEILING TYPE.
5. RECESSED LUMINAIRE IN GRID CEILING SYSTEMS SHALL BE PROVIDED WITH SEISMIC CLIPS OR PROVIDE ATTACHMENT TO CEILING GRID SYSTEM AND SUPPORTED PER PROJECT MANUAL AND DETAIL **"3/E1.04"**.
6. LUMINAIRE TYPE IS SHOWN ONLY ONCE, AS "TYP." IN EVERY ROOM. PROVIDE SAME TYPE OF LUMINAIRE THROUGH-OUT SAME ROOM UNLESS OTHERWISE INDICATED.
7. PROVIDE NO. 10 AWG, MINIMUM, CONDUCTORS FOR EXIT SIGNS AND SECURITY LIGHT CIRCUITS.
8. EMERGENCY LIGHT FIXTURES THAT ARE NOT IN THE PATH OF EGRESS DO NOT REQUIRE AN EMERGENCY TRANSFER DEVICE.

2

KEYNOTES	
L1	OUTDOOR SECURITY LIGHTING IS TO BE WIRED TO EMERGENCY CIRCUIT "XBH1-2" AND CONTROLLED VIA LIGHTING CONTACTOR "LC-2" IN ROOM B126.
L3	MOUNT THIS FIXTURE AT 10' 0" A.F.F.
L14	PROVIDE ONE DIMMER SWITCH FOR THE LIGHT FIXTURES AT THE TEACHING WALL AND ONE DIMMER SWITCH FOR THE OTHER LIGHT FIXTURES.
L16	KEYED LIGHT SWITCH TO CONTROL ALL LIGHT FIXTURES IN DESIGNATED CORRIDORS.
L17	LIGHT FIXTURES IN THIS CORRIDOR/COMMONS AREA/LOBBY/VESTIBULE ARE TO BE CONTROLLED BY A KEYED LIGHT SWITCH.

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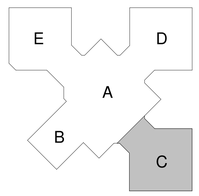

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT
DRAWN BY: MMS
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06.29.2020

UNIT C - FIRST FLOOR LIGHTING PLAN

E4.03

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ALL EMERGENCY LIGHT FIXTURES AND EXIT SIGNS IN THIS UNIT TO BE WIRED TO EMERGENCY CIRCUIT XBH1-7

UNIT D - FIRST FLOOR LIGHTING PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT D

ROOM NO.	ROOM NAME	AREA (SF)
D101	CORRIDOR	216 SF
D102	CLASSROOM	897 SF
D103	CLASSROOM	976 SF
D104	CLASSROOM	911 SF
D105	CLASSROOM	976 SF
D106	CLASSROOM	983 SF
D107	CORRIDOR	182 SF
D108	VESTIBULE	70 SF
D109	CLASSROOM	974 SF
D110	CLASSROOM	990 SF
D111	CLASSROOM	982 SF
D112	CLASSROOM	911 SF
D113	CLASSROOM	975 SF
D114	CLASSROOM	898 SF
D115	CORRIDOR	88 SF
D116	COMMONS	1160 SF
D117	CORRIDOR	143 SF
D118	COMMONS	1160 SF
D119	TECHNOLOGY CLOSET	61 SF
D120A	SMALL GROUP ROOM	131 SF
D120B	SMALL GROUP ROOM	131 SF
D121	RESTROOM VESTIBULE	72 SF
D122	GIRL'S RESTROOM	146 SF
D123	BOY'S RESTROOM	146 SF
D124	RESTROOM	47 SF
D125	WORKROOM	178 SF
D126	CUSTODIAL CLOSET	68 SF
D127	RESTROOM VESTIBULE	72 SF
D128	BOY'S RESTROOM	146 SF
D129	GIRL'S RESTROOM	146 SF

GENERAL NOTES - LIGHTING

1. GENERATOR TRANSFER DEVICE TO TAKE FIXTURE TO 100% IN EMERGENCY CONDITION.
2. FINAL CONNECTION TO RECESSED LUMINAIRES SHALL BE WITH FLEXIBLE METALLIC CONDUIT, MC CABLE OR MANUFACTURED WIRING SYSTEM.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATION OF LUMINAIRES. COORDINATE LOCATION OF LUMINAIRES, LOUDSPEAKERS, DIFFUSERS, GRILLES, AND OTHER CEILING INSTALLED ELEMENTS WITH THEIR RESPECTIVE INSTALLERS.
4. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM FINISH SCHEDULE TO DETERMINE PROPER TYPE OF LUMINAIRE TRIM REQUIRED FOR CEILING TYPE PRIOR TO ORDERING LUMINAIRES. PROVIDE LUMINAIRES COMPATIBLE WITH CEILING TYPE.
5. RECESSED LUMINAIRE IN GRID CEILING SYSTEMS SHALL BE PROVIDED WITH SEISMIC CLIPS OR PROVIDE ATTACHMENT TO CEILING GRID SYSTEM AND SUPPORTED PER PROJECT MANUAL AND DETAIL **"3/E1.04"**.
6. LUMINAIRE TYPE IS SHOWN ONLY ONCE, AS "TYP." IN EVERY ROOM. PROVIDE SAME-TYPE OF LUMINAIRE THROUGH-OUT SAME-ROOM UNLESS OTHERWISE INDICATED.
7. PROVIDE NO. 10 AWG, MINIMUM, CONDUCTORS FOR EXIT SIGNS AND SECURITY LIGHT CIRCUITS.
8. EMERGENCY LIGHT FIXTURES THAT ARE NOT IN THE PATH OF EGRESS DO NOT REQUIRE AN EMERGENCY TRANSFER DEVICE.

2

KEYNOTES

L1	OUTDOOR SECURITY LIGHTING IS TO BE WIRED TO EMERGENCY CIRCUIT "XBH1-2" AND CONTROLLED VIA LIGHTING CONTACTOR "LC-2" IN ROOM B126.
L3	MOUNT THIS FIXTURE AT 10'-0" A.F.F.
L14	PROVIDE ONE DIMMER SWITCH FOR THE LIGHT FIXTURES AT THE TEACHING WALL AND ONE DIMMER SWITCH FOR THE OTHER LIGHT FIXTURES.
L17	LIGHT FIXTURES IN THIS CORRIDOR/COMMONS AREA/LOBBY/VESTIBULE ARE TO BE CONTROLLED BY A KEYED LIGHT SWITCH.

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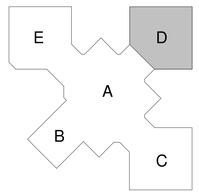

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT
DRAWN BY: MMS
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	06.19.2020
2	ADDENDUM #2	06.29.2020

UNIT D - FIRST FLOOR LIGHTING PLAN

E4.04

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ALL EMERGENCY LIGHT FIXTURES AND EXIT SIGNS IN THIS UNIT TO BE WIRED TO EMERGENCY CIRCUIT XBH1-9

UNIT E - FIRST FLOOR LIGHTING PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT E

ROOM NO.	ROOM NAME	AREA (SF)
E101	CORRIDOR	216 SF
E102	CORRIDOR	529 SF
E103	SPECIAL EDUCATION	789 SF
E104	QUIET ROOM	54 SF
E105	RESTROOM	39 SF
E106	CLASSROOM	942 SF
E107	CLASSROOM	954 SF
E108	RESTROOM	39 SF
E109	RESTROOM	39 SF
E110	CLASSROOM	942 SF
E111	KINDERGARTEN CLASSROOM	938 SF
E112	KINDERGARTEN RESTROOM	39 SF
E113	KINDERGARTEN RESTROOM	39 SF
E114	KINDERGARTEN CLASSROOM	907 SF
E115	KINDERGARTEN RESTROOM	39 SF
E116	KINDERGARTEN CLASSROOM	888 SF
E117	CORRIDOR	179 SF
E118	VESTIBULE	70 SF
E119	KINDERGARTEN CLASSROOM	1139 SF
E120	KINDERGARTEN RESTROOM	39 SF
E121	KINDERGARTEN RESTROOM	39 SF
E122	KINDERGARTEN CLASSROOM	1132 SF
E123	KINDERGARTEN CLASSROOM	1066 SF
E124	STORAGE	171 SF
E125	KINDERGARTEN RESTROOM	39 SF
E126	SCIENCE	1089 SF
E127	TEACHER'S LOUNGE	533 SF
E128	RESTROOM	54 SF
E129	CORRIDOR	83 SF
E130	COMMONS	1155 SF
E131	CORRIDOR	142 SF
E132	COMMONS	1136 SF
E133	TECHNOLOGY CLOSET	61 SF
E134A	SMALL GROUP ROOM	131 SF
E134B	SMALL GROUP ROOM	131 SF
E135	RESTROOM VESTIBULE	74 SF
E136	GIRL'S RESTROOM	146 SF
E137	BOY'S RESTROOM	146 SF
E138	CUSTODIAL CLOSET	68 SF
E139	WORKROOM	178 SF
E140	RESTROOM	47 SF
E141	WORKROOM	171 SF
E142	SMALL GROUP ROOM	171 SF
E144	MEN'S RESTROOM	255 SF
E145	FAMILY RESTROOM	63 SF
E146	WOMEN'S RESTROOM	333 SF

GENERAL NOTES - LIGHTING

1. GENERATOR TRANSFER DEVICE TO TAKE FIXTURE TO 100% IN EMERGENCY CONDITION.
2. FINAL CONNECTION TO RECESSED LUMINAIRES SHALL BE WITH FLEXIBLE METALLIC CONDUIT, MC CABLE OR MANUFACTURED WIRING SYSTEM.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATION OF LUMINAIRES. COORDINATE LOCATION OF LUMINAIRES, LOUDSPEAKERS, DIFFUSERS, GRILLES, AND OTHER CEILING INSTALLED ELEMENTS WITH THEIR RESPECTIVE INSTALLERS.
4. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM FINISH SCHEDULE TO DETERMINE PROPER TYPE OF LUMINAIRE TRIM REQUIRED FOR CEILING TYPE PRIOR TO ORDERING LUMINAIRES. PROVIDE LUMINAIRES COMPATIBLE WITH CEILING TYPE.
5. RECESSED LUMINAIRE IN GRID CEILING SYSTEMS SHALL BE PROVIDED WITH SEISMIC CLIPS OR PROVIDE ATTACHMENT TO CEILING GRID SYSTEM AND SUPPORTED PER PROJECT MANUAL AND DETAIL **"3/E1.04"**.
6. LUMINAIRE TYPE IS SHOWN ONLY ONCE, AS "TYP." IN EVERY ROOM. PROVIDE SAME TYPE OF LUMINAIRE THROUGHOUT SAME ROOM UNLESS OTHERWISE INDICATED.
7. PROVIDE NO. 10 AWG, MINIMUM, CONDUCTORS FOR EXIT SIGNS AND SECURITY LIGHT CIRCUITS.
8. EMERGENCY LIGHT FIXTURES THAT ARE NOT IN THE PATH OF EGRESS DO NOT REQUIRE AN EMERGENCY TRANSFER DEVICE.

KEYNOTES

L1	OUTDOOR SECURITY LIGHTING IS TO BE WIRED TO EMERGENCY CIRCUIT "XBH1-2" AND CONTROLLED VIA LIGHTING CONTACTOR "LC-2" IN ROOM B126.
L3	MOUNT THIS FIXTURE AT 10'-0" A.F.F.
L5	INSTALL LIGHT FIXTURE TYPE LC1 IN DISPLAY CASE. REFER TO THE ARCHITECTURAL DISPLAY CASE DETAILS FOR EXACT MOUNTING LOCATION.
L14	PROVIDE ONE DIMMER SWITCH FOR THE LIGHT FIXTURES AT THE TEACHING WALL AND ONE DIMMER SWITCH FOR THE OTHER LIGHT FIXTURES.
L16	KEYED LIGHT SWITCH TO CONTROL ALL LIGHT FIXTURES IN DESIGNATED CORRIDORS.
L17	LIGHT FIXTURES IN THIS CORRIDOR/COMMONS AREA/LOBBY/VESTIBULE ARE TO BE CONTROLLED BY A KEYED LIGHT SWITCH.

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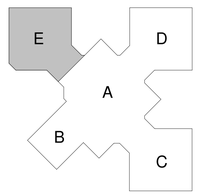

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT

DRAWN BY: MMS

PROJECT NUMBER: 219124.00

PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06.29.2020

UNIT E - FIRST FLOOR LIGHTING PLAN

E4.05

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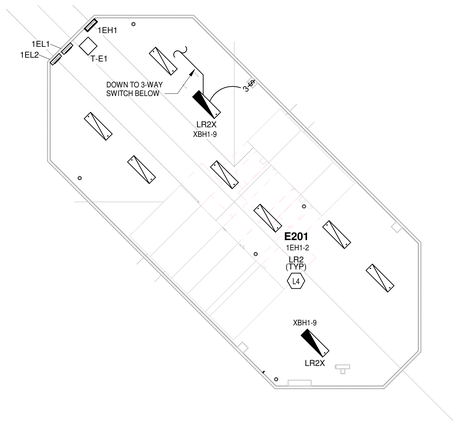
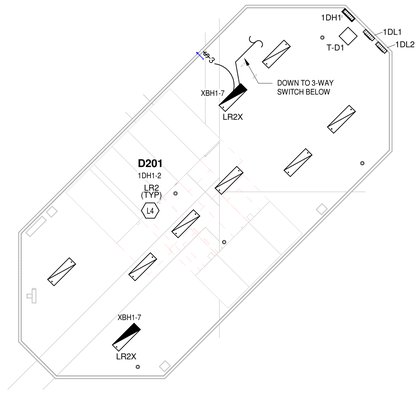


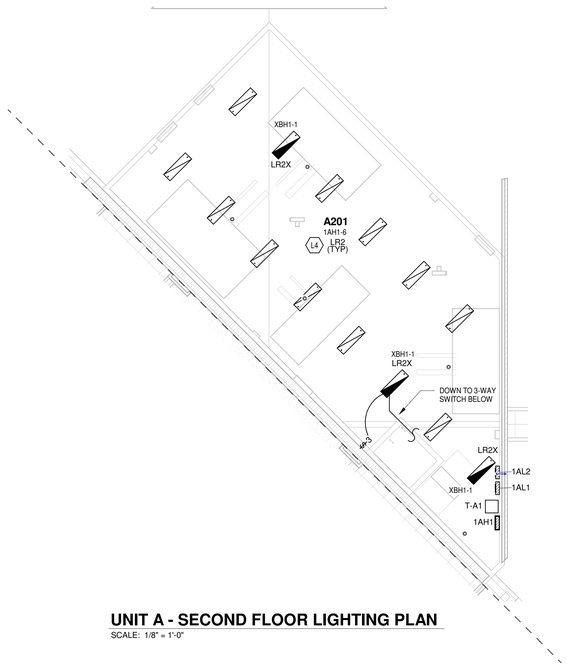
UNIT E - SECOND FLOOR LIGHTING PLAN

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



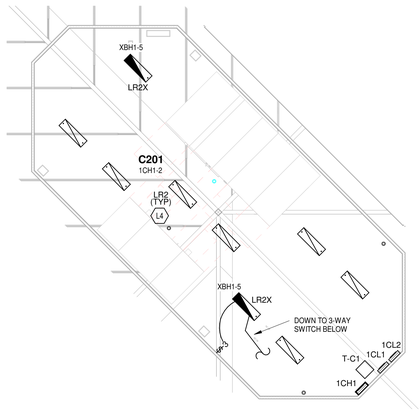
UNIT D - SECOND FLOOR LIGHTING PLAN

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



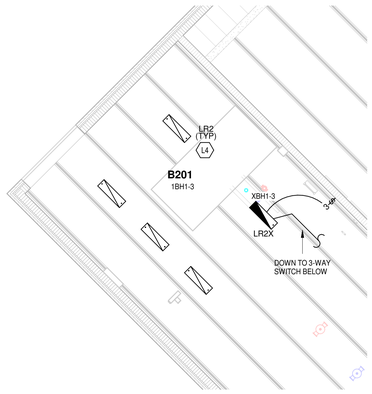
UNIT A - SECOND FLOOR LIGHTING PLAN

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



UNIT C - SECOND FLOOR LIGHTING PLAN

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



UNIT B - SECOND FLOOR LIGHTING PLAN

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

ROOM LEGEND - SECOND FLOOR UNIT A		
ROOM NO.	ROOM NAME	AREA (SF)
A201	MEZZANINE	1769 SF

ROOM LEGEND - SECOND FLOOR UNIT B		
ROOM NO.	ROOM NAME	AREA (SF)
B201	MEZZANINE	912 SF

ROOM LEGEND - SECOND FLOOR UNIT C		
ROOM NO.	ROOM NAME	AREA (SF)
C201	MEZZANINE	1407 SF

ROOM LEGEND - SECOND FLOOR UNIT D		
ROOM NO.	ROOM NAME	AREA (SF)
D201	MEZZANINE	1409 SF

ROOM LEGEND - SECOND FLOOR UNIT E		
ROOM NO.	ROOM NAME	AREA (SF)
E201	MEZZANINE	1409 SF

GENERAL NOTES - LIGHTING

1. GENERATOR TRANSFER DEVICE TO TAKE FIXTURE TO 100% IN EMERGENCY CONDITION.
2. FINAL CONNECTION TO RECESSED LUMINAIRES SHALL BE WITH FLEXIBLE METALLIC CONDUIT, MC CABLE OR MANUFACTURED WIRING SYSTEM.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATION OF LUMINAIRES, COORDINATE LOCATION OF LUMINAIRES, LOUDSPEAKERS, DIFFUSERS, GRILLES, AND OTHER CEILING INSTALLED ELEMENTS WITH THEIR RESPECTIVE INSTALLERS.
4. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM FINISH SCHEDULE TO DETERMINE PROPER TYPE OF LUMINAIRE TRIM REQUIRED FOR CEILING TYPE PRIOR TO ORDERING LUMINAIRES. PROVIDE LUMINAIRES COMPATIBLE WITH CEILING TYPE.
5. RECESSED LUMINAIRE IN GRID CEILING SYSTEMS SHALL BE PROVIDED WITH SEISMIC CLIPS OR PROVIDE ATTACHMENT TO CEILING GRID SYSTEM AND SUPPORTED PER PROJECT MANUAL AND DETAIL **"3/E1.04"**.
6. LUMINAIRE TYPE IS SHOWN ONLY ONCE, AS "TYP." IN EVERY ROOM. PROVIDE SAME TYPE OF LUMINAIRE THROUGH-OUT SAME ROOM UNLESS OTHERWISE INDICATED.
7. PROVIDE NO. 10 AWG, MINIMUM, CONDUCTORS FOR EXIT SIGNS AND SECURITY LIGHT CIRCUITS.
8. EMERGENCY LIGHT FIXTURES THAT ARE NOT IN THE PATH OF EGRESS DO NOT REQUIRE AN EMERGENCY TRANSFER DEVICE.

2

KEYNOTES	
L4	MOUNT LIGHT FIXTURES IN THIS ROOM AT 10'-0" A.F.F AND TO MISS MECHANICAL EQUIPMENT.

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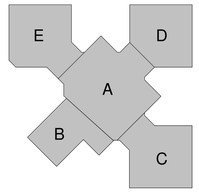

KEY PLAN

CONSTRUCTION DOCUMENTS

BRIAN W. BUTLER REGISTERED No. PE19900006 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: MMS
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	06.19.2020
2	ADDENDUM #2	06.29.2020

SECOND FLOOR LIGHTING PLANS

E4.06

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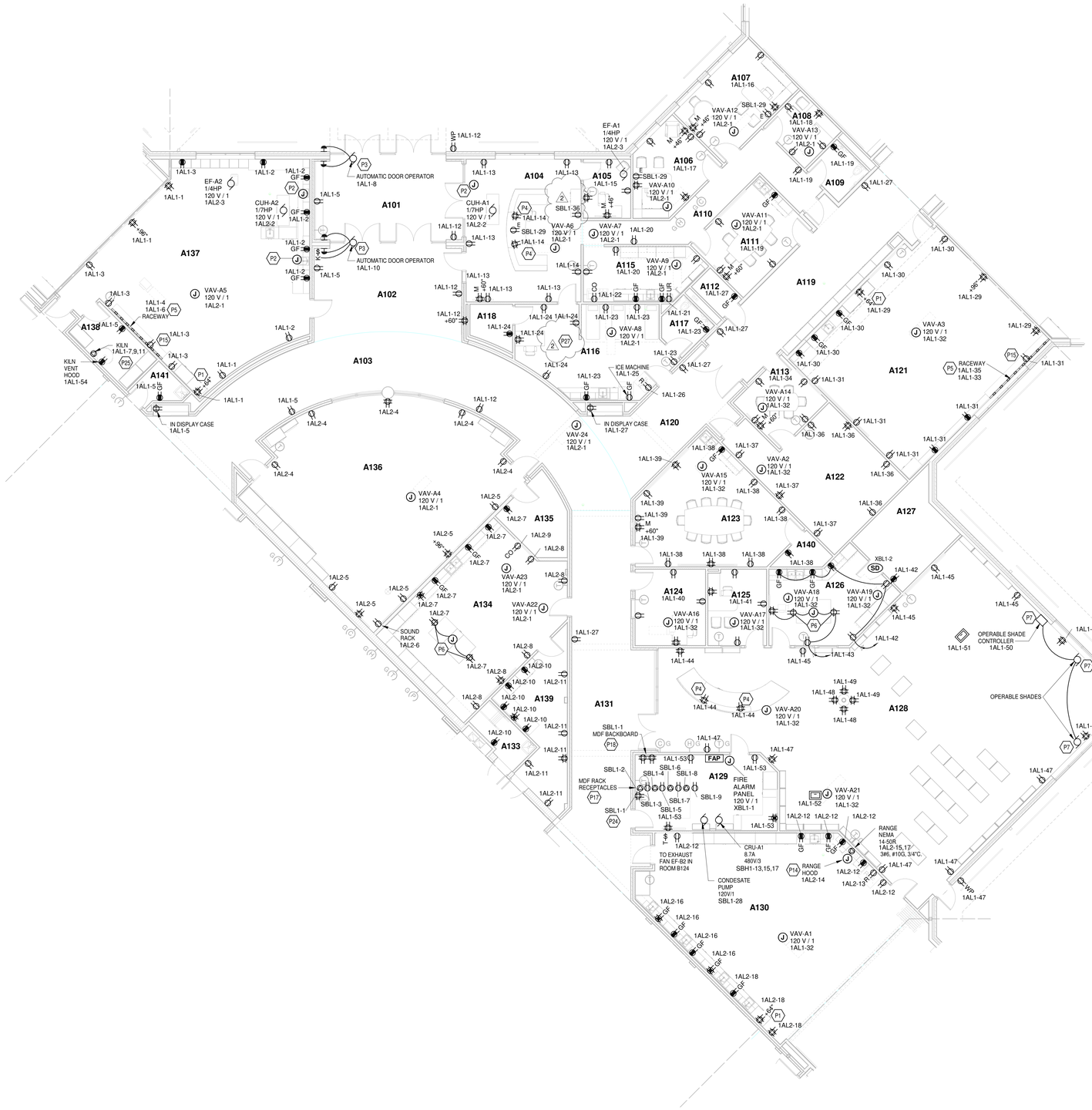

UNIT A - FIRST FLOOR POWER PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT A		
ROOM NO.	ROOM NAME	AREA (SF)
A101	VESTIBULE	341 SF
A102	LOBBY	366 SF
A103	CORRIDOR	925 SF
A104	RECEPTION AREA	470 SF
A105	OFFICE	80 SF
A106	ASSISTANT PRINCIPAL'S OFFICE	166 SF
A107	PRINCIPAL'S OFFICE	214 SF
A108	OFFICE	87 SF
A109	RESTROOM	56 SF
A110	CORRIDOR	230 SF
A111	CONFERENCE ROOM	208 SF
A112	STORAGE	34 SF
A113	GUIDANCE CONFERENCE ROOM	127 SF
A115	WORKROOM	175 SF
A116	CLINIC	366 SF
A117	RESTROOM	54 SF
A118	STORAGE	48 SF
A119	CORRIDOR	488 SF
A120	CORRIDOR	289 SF
A121	CLASSROOM	956 SF
A122	GUIDANCE COUNCELOR'S OFFICE	377 SF
A123	CONFERENCE ROOM	433 SF
A124	SPEECH AND HEARING	154 SF
A125	OFFICE	127 SF
A126	WORKROOM	261 SF
A127	STORAGE	180 SF
A128	MEDIA CENTER	2434 SF
A129	STORAGE	305 SF
A130	PROJECT	1039 SF
A131	CORRIDOR	706 SF
A133	CUSTODIAL CLOSET	60 SF
A134	WORKROOM	600 SF
A135	STORAGE	112 SF
A136	MUSIC	1162 SF
A137	ART	1105 SF
A138	STORAGE / KILN	102 SF
A139	PUBLICATION	222 SF
A140	STORAGE	35 SF
A141	JANITOR CLOSET	43 SF

GENERAL NOTES - POWER

1. PROVIDE REVISED TYPED PANELBOARD DIRECTORIES FOR EACH PANELBOARD ADDED OR MODIFIED DURING CONSTRUCTION. FIELD VERIFY EXISTING CIRCUIT INFORMATION WITH OWNER'S ASSISTANCE TO ENSURE FINAL DIRECTORY IS ACCURATE. UNUSED SPARE BREAKERS SHALL BE IN THE OFF POSITION.
2. VIDEO PROJECTOR RECEPTACLE TO BE MOUNTED ABOVE WALL MOUNTED PROJECTOR BRACKET, 96" A.F.F. UNO.
3. CONTRACTOR 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.
4. LABEL EACH RECEPTACLE WITH THE PANEL NAME AND CIRCUIT NUMBER ON THE FACE OF EACH COVER PLATE WITH A TYPED LAMINATED LABEL.
5. PROVIDE "GFCI PROTECTED" LABEL ON COVER PLATE FOR ANY GFCI PROTECTED DEVICE.
6. CONTRACTOR SHALL INCREASE CIRCUIT CONDUCTOR SIZE TO COMPENSATE FOR VOLTAGE DROP DUE TO EXCESSIVE CIRCUIT LENGTHS. IN NO CASE SHALL VOLTAGE DROP EXCEED NFPA 70 (N.E.C.) REQUIREMENTS.
7. REFER TO MECHANICAL PLANS FOR LOCATION OF MECHANICAL EQUIPMENT. LOCATE DISCONNECT SWITCHES PER NEC.
8. REFER TO "CONTROL SCHEMATICS" MECHANICAL DRAWINGS FOR ADDITIONAL CONTROL WIRING AND CONTROL CONNECTIONS.
9. ALL DEVICES, EQUIPMENT, FIXTURES, AND THE LIKE, SHALL BE BONDED WITH A PROPERLY SIZED EQUIPMENT GROUNDING CONDUCTOR. MAINTAIN MECHANICAL/ELECTRICAL BONDS OF METALLIC RACEWAY SYSTEM.
10. ALL DUPLEX RECEPTACLES IN THE BUILDING ARE TO BE TAMPER RESISTANT.

KEYNOTES

P1	TEACHERS WARDROBE/TECHNOLOGY CABINET POWER RECEPTACLES. REFER TO THE (A7 SERIES) DRAWING SHEETS AND DETAILS FOR THE LOCATION OF THE OUTLETS IN THE BACK SIDE OF THE UNIT PRIOR TO ROUGH-IN OF RECEPTACLE BACK BOX.
P2	SECURITY JUNCTION BOX MOUNTED ABOVE CEILING FOR DOOR SECURITY DEVICES AND POWER IS TO BE WIRED TO THE NEAREST RECEPTACLE CIRCUIT.
P3	AUTOMATIC DOOR OPERATOR MOTOR. PUSHBUTTON AND KEYED SWITCH BY UNIT MANUFACTURER. CONDUIT BACKBOXES AND WIRING BY DIVISION 26 CONTRACTOR, PER THE MANUFACTURERS REQUIREMENTS.
P4	MOUNT RECEPTACLE BACKBOX IN CHASE. RUN CONDUITS UNDER SLAB AND STUB UP INTO CHASE. VERIFY EXACT LOCATION OF BACKBOX WITH DESK EQUIPMENT PRIOR TO ROUGH-IN.
P5	SINGLE CHANNEL RACEWAY FOR THE CHROMEBOOK CHARGING STATION. MOUNTED ABOVE COUNTERTOP BACKSPLASH. LENGTH OF RACEWAY PER DRAWINGS.
P6	MOUNT RECEPTACLE AND DATA ROUGH-IN HORIZONTALLY IN THE FACE OF THE CASEWORK. CONDUIT IS TO BE STUBBED FROM THE FLOOR INTO THE CASEWORK. VERIFY EXACT LOCATION OF RECEPTACLE AND DATA ROUGH-IN WITH THE CASEWORK MANUFACTURER.
P7	OPERABLE SHADES AND CONTROLLER ARE BY THE UNIT MANUFACTURER. CONDUITS, BACKBOXES AND WIRING BY DIVISION 26 CONTRACTOR, PER THE MANUFACTURERS REQUIREMENTS.
P14	REFER TO THE DRAWING SERIES "A7" SHEETS FOR EXACT MOUNTING HEIGHT OF THE RANGEHOOD PRIOR TO ROUGH-IN OF THE JUNCTION BOX.
P15	MOUNT DUPLEX RECEPTACLE IN KNEESPACE BELOW COUNTERTOP.
P17	TECHNOLOGY RACK (IDF) RECEPTACLE. COORDINATE MOUNTING LOCATION AND INSTALLATION REQUIREMENTS WITH THE TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE #10 CONDUCTORS.
P18	MAIN TECHNOLOGY RACK (IDF) BACKBOARD RECEPTACLES. REFER TO DETAIL "11/E1.02" FOR MOUNTING LOCATIONS AND ADDITIONAL REQUIREMENTS. PROVIDE #10 CONDUCTORS.
P24	VERIFY EXACT LOACTION IN THE FIELD WITH OWNER PROVIDED ACCESS CONTROL EQUIPMENT.
P25	VERIFY WIRE SIZE IN CIRCUIT BREAKER WITH KILN MANUFACTURER PRIOR TO ROUGH-IN.
P27	PROVIDE HEALTH CARE GRADE MC CABLE OR EMT CONDUIT FOR ALL CIRCUITS IN THIS ROOM.

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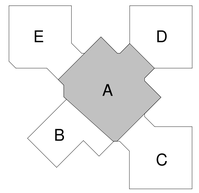

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT
DRAWN BY: MMS
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	06.19.2020
2	ADDENDUM #2	06.29.2020

UNIT A - FIRST FLOOR POWER PLAN

E5.01

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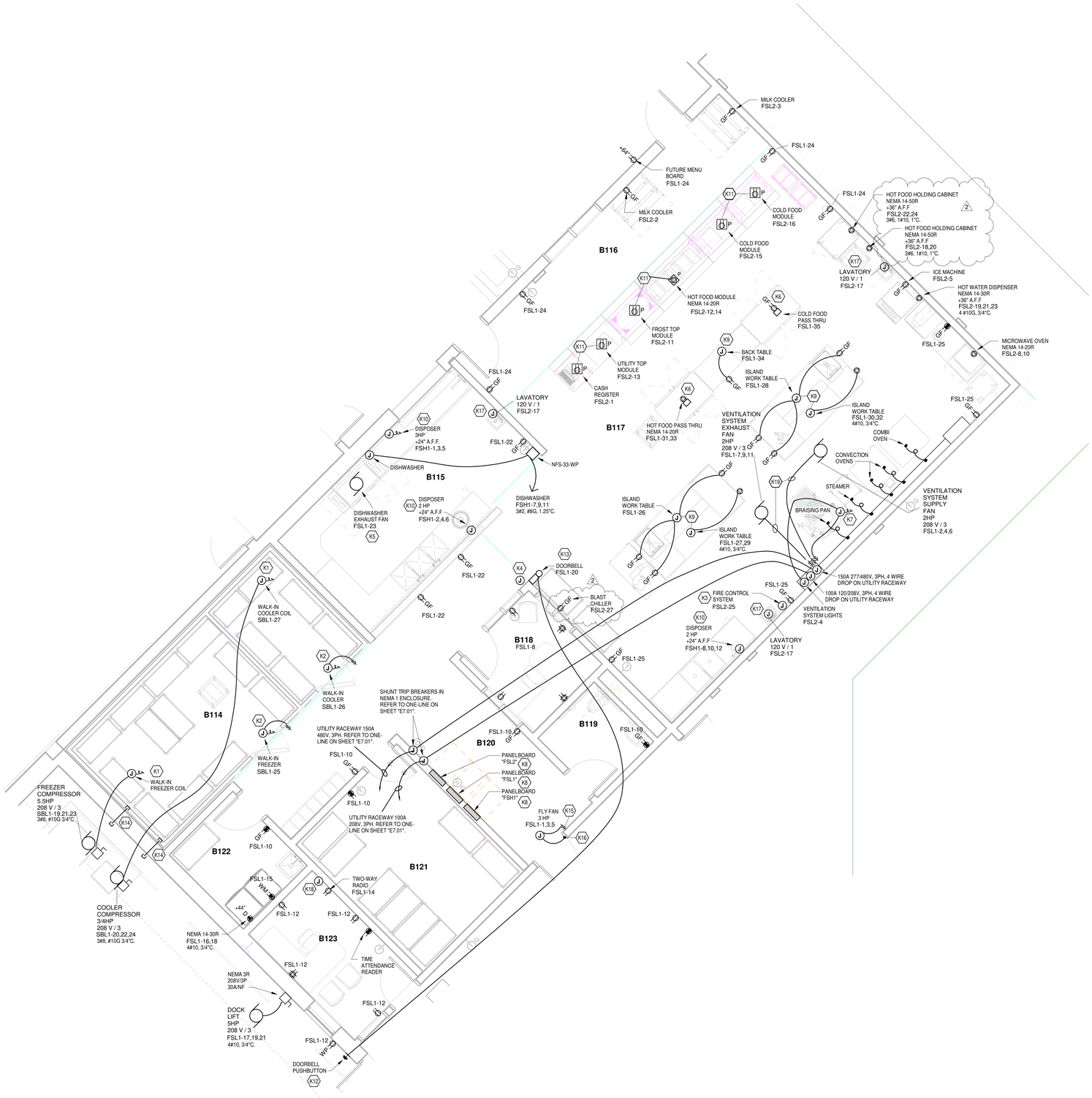

ELECTRICAL KITCHEN PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT B		
ROOM NO.	ROOM NAME	AREA (SF)
B101	VESTIBULE	270 SF
B102	EVENT LOBBY	1567 SF
B103	STUDENT DINING	3444 SF
B104	RAMP	199 SF
B105	PLATFORM	845 SF
B106	STORAGE	118 SF
B107	CHAIR STORAGE	148 SF
B108	GYMNASIUM	6377 SF
B109	PE OFFICE	129 SF
B110	PE STORAGE	272 SF
B111	OUTDOOR STORAGE	467 SF
B112	MECHANICAL	1212 SF
B113	ELECTRICAL	167 SF
B114	COOLER / FREEZER	331 SF
B115	WARE WASHING	254 SF
B116	SERVING AREA	216 SF
B117	KITCHEN	1241 SF
B118	OFFICE	81 SF
B119	RESTROOM	53 SF
B120	CORRIDOR	350 SF
B121	DRY FOOD STORAGE	204 SF
B122	CUSTODIAL	75 SF
B123	OFFICE	108 SF
B124	CORRIDOR	372 SF
B125	CORRIDOR	488 SF
B126	ELECTRICAL	57 SF
B126	Room	Not Placed
B127	STORAGE	81 SF
B128	CORRIDOR	314 SF

GENERAL KITCHEN NOTES - POWER

1. EXPOSED CONDUIT SHALL BE THREADED, GALVANIZED RIGID STEEL, OR INTERMEDIATE METAL. CONDUIT SHALL BE MOUNTED TO WALLS WITH ONE-HOLE STRAPS. STRAPS WITH SHARP EDGES PROTRUDING FROM THE WALL SHALL NOT BE PERMITTED.
2. FLEXIBLE CONNECTIONS SHALL BE MADE WITH NEOPRENE JACKETED, FLEXIBLE METAL.
3. COORDINATE ROUGH-IN LOCATIONS, MOUNTING HEIGHT AND CONFIGURATIONS WITH KITCHEN EQUIPMENT SHOP DRAWING PRIOR TO ROUGH-IN.
4. ALL EXPOSED WIRING IN KITCHEN SHALL BE INSTALLED IN LIQUID TIGHT FLEXIBLE METAL CONDUIT. ALL JUNCTION BOXES AND FITTING CONNECTIONS SHALL BE WATER PROOF.
5. FIELD VERIFY THE RATING AND NEMA CONFIGURATION OF ALL SPECIAL PURPOSE RECEPTACLE OUTLETS WITH PLUG PROVIDED WITH KITCHEN EQUIPMENT.
6. REFER TO "FS" (FOOD SERVICE PLANS) ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND PLUMBING PLANS FOR ALL ADDITIONAL ELECTRICAL REQUIREMENTS.
7. ALL "WP" TYPE DISCONNECTS SHOWN IN KITCHEN AREA SHALL BE NEMA TYPE 4.

KEYNOTES	
K1	PROVIDE CONDUIT AND WIRING TO THERMOSTAT, SOLENOID, DRAIN LINE HEATER AND REMOTE TIMER ON COMPRESSOR. REFER TO THE WIRING DIAGRAM ON THE "FS" DRAWING SHEETS.
K2	PROVIDE BRANCH CIRCUIT WIRING TO UNIT MOUNTED JUNCTION BOX, FROM JUNCTION BOX TO LIGHT FIXTURES, PERIMETER DOOR HEATERS AND AIR RELIEF VENT HEATERS. WIRING SHALL BE INSTALLED OUTSIDE OF COOLER/FREEZER WALLS AND CEILINGS. FINAL CONNECTION PENETRATIONS SHALL BE PROVIDED WITH SEAL-OFFS.
K3	FIIRE CONTROL SYSTEM.
K4	PROVIDE A 4" OCTAGON JUNCTION BOX. FLUSH MOUNTED AT 54" A.F.F. PROVIDE A 1/2" CONDUIT STUBBED UP 6" ABOVE LAY-IN CEILING FOR USE BY OTHERS. VERIFY LOCATION WITH FOOD SERVICE EQUIPMENT CONTRACTOR PRIOR TO ROUGH-IN.
K5	WIRE TO DISHWASHER CONTROL PANEL.
K6	PENDANT MOUNTED RECEPTACLE OUTLET TO BE AT 78" A.F.F.
K7	PROVIDE WIRING FROM JUNCTION BOX TO CANOPY LIGHT FIXTURES AND TO CANOPY LIGHT FIXTURES AND TO CANOPY LIGHT SWITCH. VERIFY EXACT LOCATION IN THE FIELD.
K8	PROVIDE KITCHEN PANELBOARD WITH STAINLESS STEEL DOORS AND COVERS.
K9	EXTEND BRANCH CIRCUIT WIRING TO JUNCTION BOX PREMOUNTED ON TABLE AND CONNECT TO PREWIRED TABLE MOUNTED RECEPTACLES.
K10	PROVIDE WIRING FROM JUNCTION BOX TO CONTROL PANEL AND TO SOLENOID AND DISPOSER.
K11	PROVIDE A PEDESTAL TYPE FLOOR RECEPTACLE AT THIS LOCATION.
K12	PROVIDE A HEAVY DUTY, NON-ILLUMINATED MOMENTARY PUSH BUTTON. PROVIDE A FULL GUARD. BLACK PUSH BUTTON, 1 N.O. AND 1 N.C. CONTACT. DEVICE TO BE A SQUARE-D #9001KRIB-KRIBH13.
K13	PROVIDE A BEIGE 4 INCH SURFACE MOUNTED 120V BELL THAT IS RATED 80-DB AT 10 FEET.
K14	STUB A 3/4" CONDUIT FROM COMPRESSOR TO INSIDE OF THE BUILDING ABOVE THE CEILING FOR THE WARNING ALARMS.
K15	PROVIDE A 3 POSITION SELECTOR SWITCH "SS-8".
K16	PROVIDE A PASS AND SEYMOUR #1200 DOOR ACTIVATED MICRO SWITCH INSTALLED IN THE DOOR JAMB. REFER TO THE "FS" DRAWING SHEETS FOR ADDITIONAL REQUIREMENTS.
K17	VERIFY IN THE FIELD WITH THE LAVATORY MANUFACTURER, THE ADDITIONAL ROUGH-IN HEIGHT AND LOCATION. PROVIDE WIRING DEVICE PER MANUFACTURER'S REQUIREMENTS TO CONNECT LAVATORY, OR HAND WIRE AS REQUIRED TO MAKE FINAL CONNECTION.
K18	RUN A CONDUIT FROM JUNCTION BOX UP TO A WEATHER HEAD ON THE ROOF FOR THE FUTURE TWO-WAY RADIO BY THE OWNER.
K19	PROVIDE WIRING FROM CONTROLS TO THE ROOF MOUNTED VENTILATION SYSTEM.

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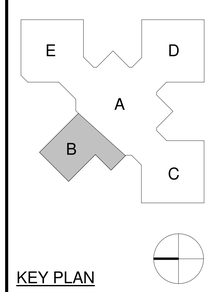

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT

DRAWN BY: MMS

PROJECT NUMBER: 219124.00

PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	06.19.2020
2	ADDENDUM #2	06.29.2020

ELECTRICAL KITCHEN PLAN

E5.07

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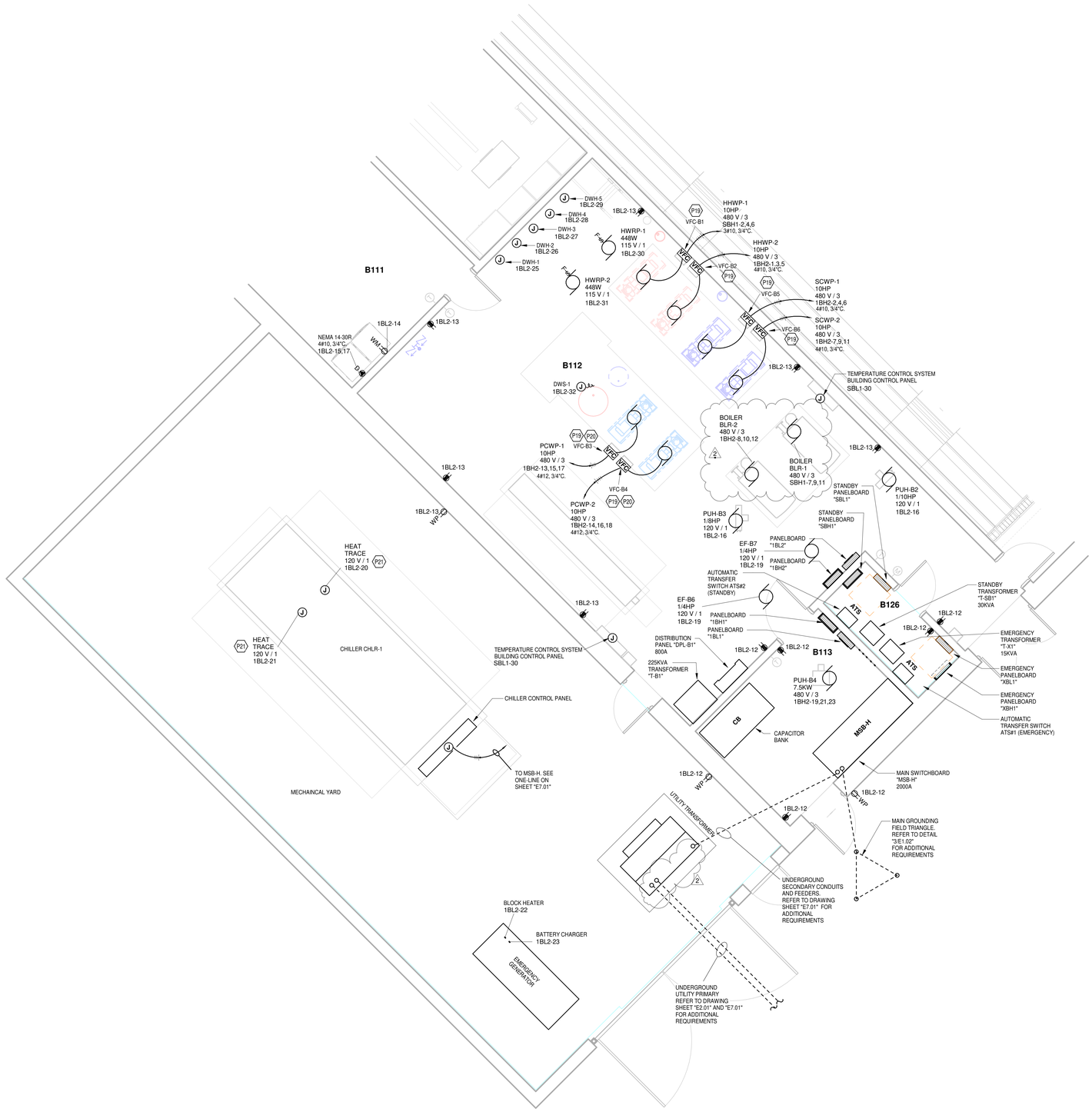

MAIN ELECTRICAL/MECHANICAL ROOM POWER PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT B		
ROOM NO.	ROOM NAME	AREA (SF)
B101	VESTIBULE	270 SF
B102	EVENT LOBBY	1567 SF
B103	STUDENT DINING	3444 SF
B104	RAMP	199 SF
B105	PLATFORM	845 SF
B106	STORAGE	118 SF
B107	CHAIR STORAGE	148 SF
B108	GYMNASIUM	6377 SF
B109	PE OFFICE	129 SF
B110	PE STORAGE	272 SF
B111	OUTDOOR STORAGE	467 SF
B112	MECHANICAL	1212 SF
B113	ELECTRICAL	167 SF
B114	COOLER / FREEZER	331 SF
B115	WARE WASHING	254 SF
B116	SERVING AREA	216 SF
B117	KITCHEN	1241 SF
B118	OFFICE	81 SF
B119	RESTROOM	53 SF
B120	CORRIDOR	350 SF
B121	DRY FOOD STORAGE	204 SF
B122	CUSTODIAL	75 SF
B123	OFFICE	108 SF
B124	CORRIDOR	372 SF
B125	CORRIDOR	488 SF
B126	ELECTRICAL	57 SF
B126	Room	Not Placed
B127	STORAGE	81 SF
B128	CORRIDOR	314 SF

GENERAL NOTES - POWER

1. PROVIDE REVISED TYPED PANELBOARD DIRECTORIES FOR EACH PANELBOARD ADDED OR MODIFIED DURING CONSTRUCTION. FIELD VERIFY EXISTING CIRCUIT INFORMATION WITH OWNER'S ASSISTANCE TO ENSURE FINAL DIRECTORY IS ACCURATE. UNUSED SPARE BREAKERS SHALL BE IN THE OFF POSITION.
2. VIDEO PROJECTOR RECEPTACLE TO BE MOUNTED ABOVE WALL MOUNTED PROJECTOR BRACKET, 96" A.F.F. UNO.
3. CONTRACTOR 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.
4. LABEL EACH RECEPTACLE WITH THE PANEL NAME AND CIRCUIT NUMBER ON THE FACE OF EACH COVER PLATE WITH A TYPED LAMINATED LABEL.
5. PROVIDE "GFCI PROTECTED" LABEL ON COVER PLATE FOR ANY GFCI PROTECTED DEVICE.
6. CONTRACTOR SHALL INCREASE CIRCUIT CONDUCTOR SIZE TO COMPENSATE FOR VOLTAGE DROP DUE TO EXCESSIVE CIRCUIT LENGTHS. IN NO CASE SHALL VOLTAGE DROP EXCEED NFPA 70 (N.E.C.) REQUIREMENTS.
7. REFER TO MECHANICAL PLANS FOR LOCATION OF MECHANICAL EQUIPMENT. LOCATE DISCONNECT SWITCHES PER NEC.
8. REFER TO "CONTROL SCHEMATICS" MECHANICAL DRAWINGS FOR ADDITIONAL CONTROL WIRING AND CONTROL CONNECTIONS.
9. ALL DEVICES, EQUIPMENT, FIXTURES, AND THE LIKE, SHALL BE BONDED WITH A PROPERLY SIZED EQUIPMENT GROUNDING CONDUCTOR. MAINTAIN MECHANICAL/ELECTRICAL BONDS OF METALLIC RACEWAY SYSTEM.
10. ALL DUPLEX RECEPTACLES IN THE BUILDING ARE TO BE TAMPER RESISTANT.

KEYNOTES	
P19	VFC BRANCH/FEEDER CIRCUIT PROTECTION AND CONDUCTORS ARE SIZED FOR BID PURPOSE ONLY. ACTUAL REQUIREMENTS WILL BE BASED ON THE MANUFACTURER'S REQUIREMENTS AND IN COMPLIANCE WITH THE NATIONAL ELECTRIC CODE NFPA 70. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY REQUIREMENTS WITH THE SUBMITTED MANUFACTURER OF THE EQUIPMENT AND PROVIDE THE NECESSARY CIRCUIT PROTECTION AND CONDUCTOR SIZE. VFC IS PROVIDED BY THE DIVISION 23 CONTRACTOR.
P20	MOUNT VFC/DISCONNECT TO UNI-STRUT FRAME AT THIS LOCATION.
P21	VERIFY EXACT LOCATION OF THE HEAT TRACE WITH THE CHILLER MANUFACTURER PRIOR TO ROUGH-IN OF THE HEAT TRACE CIRCUITS.

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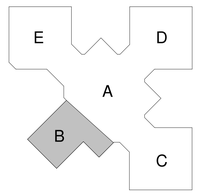

KEY PLAN

CONSTRUCTION DOCUMENTS

BRIAN W. BUTLER
REGISTERED
No.
PE19900306
STATE OF
INDIANA
PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: MMS
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	06.19.2020
2	ADDENDUM #2	06.29.2020

MAIN ELECTRICAL/MECHANICAL ROOM POWER PLANS

E5.08

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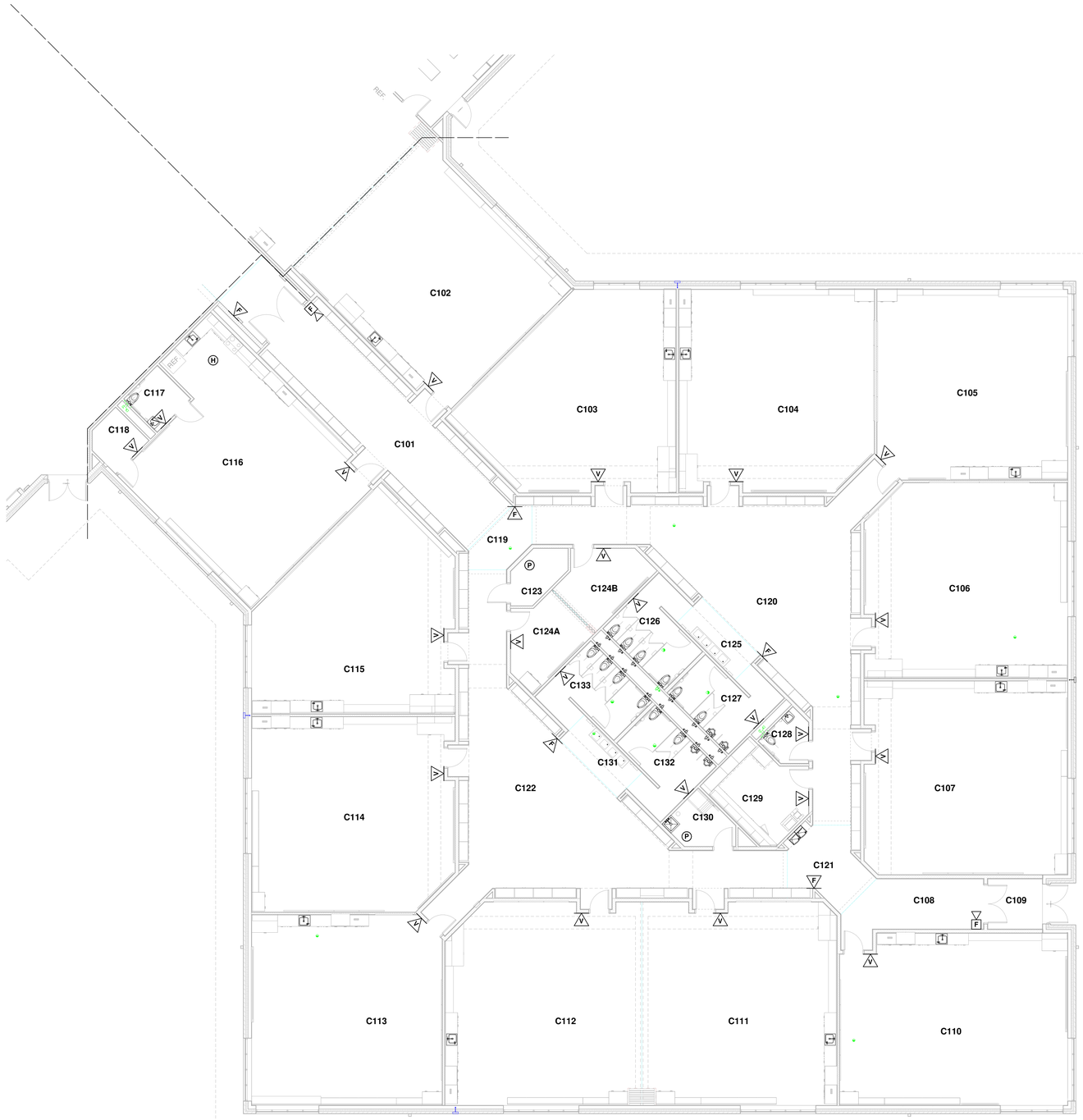
ROOM LEGEND - FIRST FLOOR UNIT C		
ROOM NO.	ROOM NAME	AREA (SF)
C101	CORRIDOR	597 SF
C102	PROJECT / LGI	971 SF
C103	CLASSROOM	897 SF
C104	CLASSROOM	976 SF
C105	CLASSROOM	911 SF
C106	CLASSROOM	976 SF
C107	CLASSROOM	983 SF
C108	CORRIDOR	182 SF
C109	VESTIBULE	70 SF
C110	CLASSROOM	974 SF
C111	CLASSROOM	990 SF
C112	CLASSROOM	982 SF
C113	CLASSROOM	911 SF
C114	CLASSROOM	975 SF
C115	CLASSROOM	898 SF
C116	SPECIAL EDUCATION RESOURCE	946 SF
C117	RESTROOM	56 SF
C118	QUIET ROOM	54 SF
C119	CORRIDOR	78 SF
C120	COMMONS	1165 SF
C121	CORRIDOR	143 SF
C122	COMMONS	1165 SF
C123	TECHNOLOGY CLOSET	61 SF
C124A	SMALL GROUP ROOM	131 SF
C124B	SMALL GROUP ROOM	131 SF
C125	RESTROOM VESTIBULE	72 SF
C126	GIRL'S RESTROOM	146 SF
C127	BOY'S RESTROOM	146 SF
C128	RESTROOM	47 SF
C129	WORKROOM	178 SF
C130	CUSTODIAL CLOSET	68 SF
C131	RESTROOM VESTIBULE	72 SF
C132	BOY'S RESTROOM	146 SF
C133	GIRL'S RESTROOM	146 SF



UNIT C - FIRST FLOOR FIRE ALARM PLAN

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

GENERAL NOTES - FIRE ALARM

1. QUANTITY AND LOCATION OF TAMPER AND FLOW SWITCHES IS FOR BIDDING PURPOSES ONLY. VERIFY EXACT QUANTITY AND LOCATIONS WITH SPRINKLER CONTRACTOR PRIOR TO FIRE ALARM SHOP DRAWING SUBMITTAL.
2. FIRE ALARM LAYOUT IS SHOWN FOR COVERAGE AREA ONLY. CONTRACTOR SHALL PROVIDE DEVICES AS REQUIRED FOR COMPLETE COVERAGE.

2

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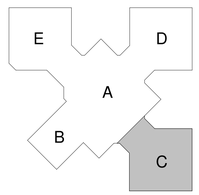

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT
DRAWN BY: MMS
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06.29.2020

UNIT C - FIRST FLOOR FIRE ALARM PLAN

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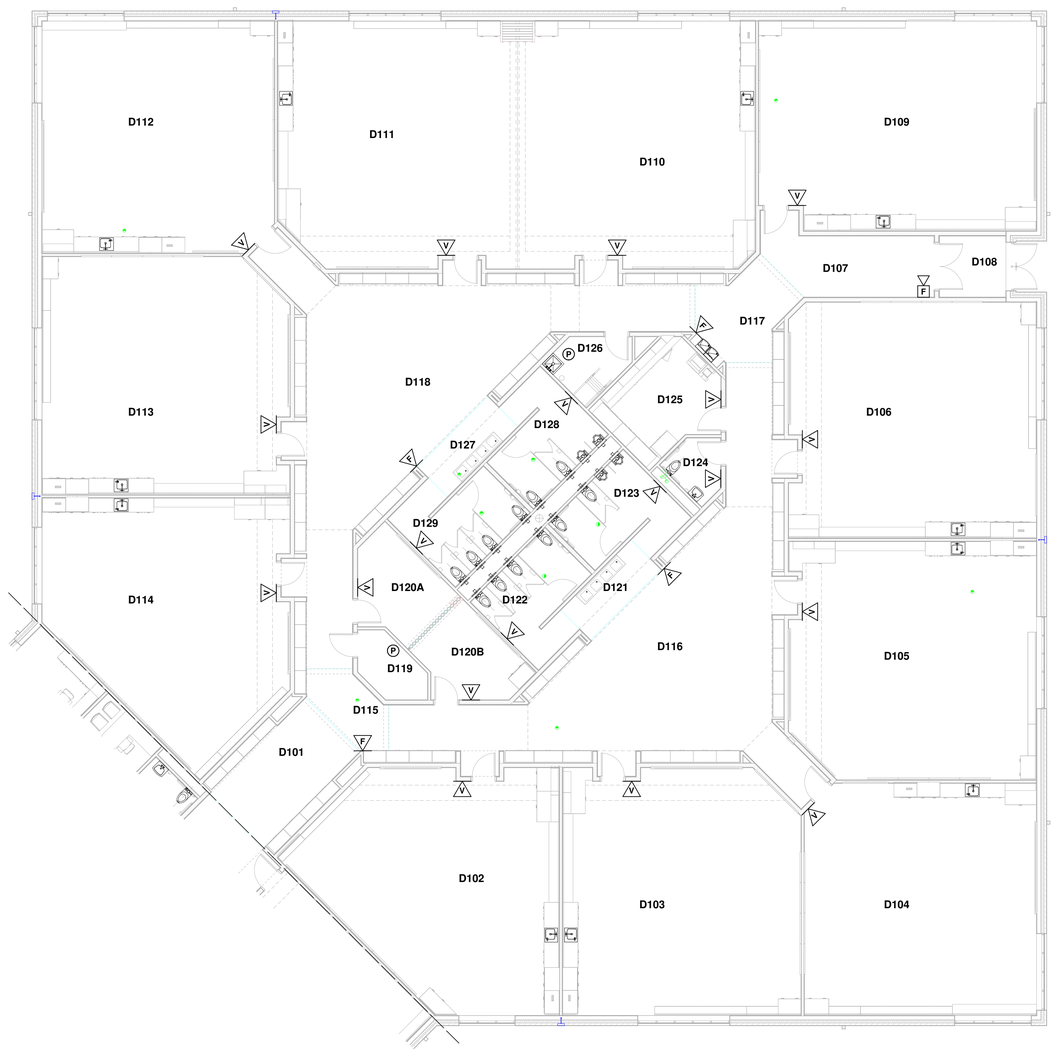
ROOM LEGEND - FIRST FLOOR UNIT D		
ROOM NO.	ROOM NAME	AREA (SF)
D101	CORRIDOR	216 SF
D102	CLASSROOM	897 SF
D103	CLASSROOM	976 SF
D104	CLASSROOM	911 SF
D105	CLASSROOM	976 SF
D106	CLASSROOM	983 SF
D107	CORRIDOR	182 SF
D108	VESTIBULE	70 SF
D109	CLASSROOM	974 SF
D110	CLASSROOM	990 SF
D111	CLASSROOM	982 SF
D112	CLASSROOM	911 SF
D113	CLASSROOM	975 SF
D114	CLASSROOM	898 SF
D115	CORRIDOR	88 SF
D116	COMMONS	1160 SF
D117	CORRIDOR	143 SF
D118	COMMONS	1160 SF
D119	TECHNOLOGY CLOSET	61 SF
D120A	SMALL GROUP ROOM	131 SF
D120B	SMALL GROUP ROOM	131 SF
D121	RESTROOM VESTIBULE	72 SF
D122	GIRL'S RESTROOM	146 SF
D123	BOY'S RESTROOM	146 SF
D124	RESTROOM	47 SF
D125	WORKROOM	178 SF
D126	CUSTODIAL CLOSET	68 SF
D127	RESTROOM VESTIBULE	72 SF
D128	BOY'S RESTROOM	146 SF
D129	GIRL'S RESTROOM	146 SF

GENERAL NOTES - FIRE ALARM

1. QUANTITY AND LOCATION OF TAMPER AND FLOW SWITCHES IS FOR BIDDING PURPOSES ONLY. VERIFY EXACT QUANTITY AND LOCATIONS WITH SPRINKLER CONTRACTOR PRIOR TO FIRE ALARM SHOP DRAWING SUBMITTAL.
2. FIRE ALARM LAYOUT IS SHOWN FOR COVERAGE AREA ONLY. CONTRACTOR SHALL PROVIDE DEVICES AS REQUIRED FOR COMPLETE COVERAGE.

2



UNIT D - FIRST FLOOR FIRE ALARM PLAN

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

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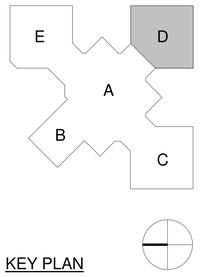

KEY PLAN

CONSTRUCTION DOCUMENTS

BRIAN W. BUTLER
REGISTERED
No.
PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: MMS
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	06.19.2020
2	ADDENDUM #2	06.29.2020

UNIT D - FIRST FLOOR FIRE ALARM PLAN

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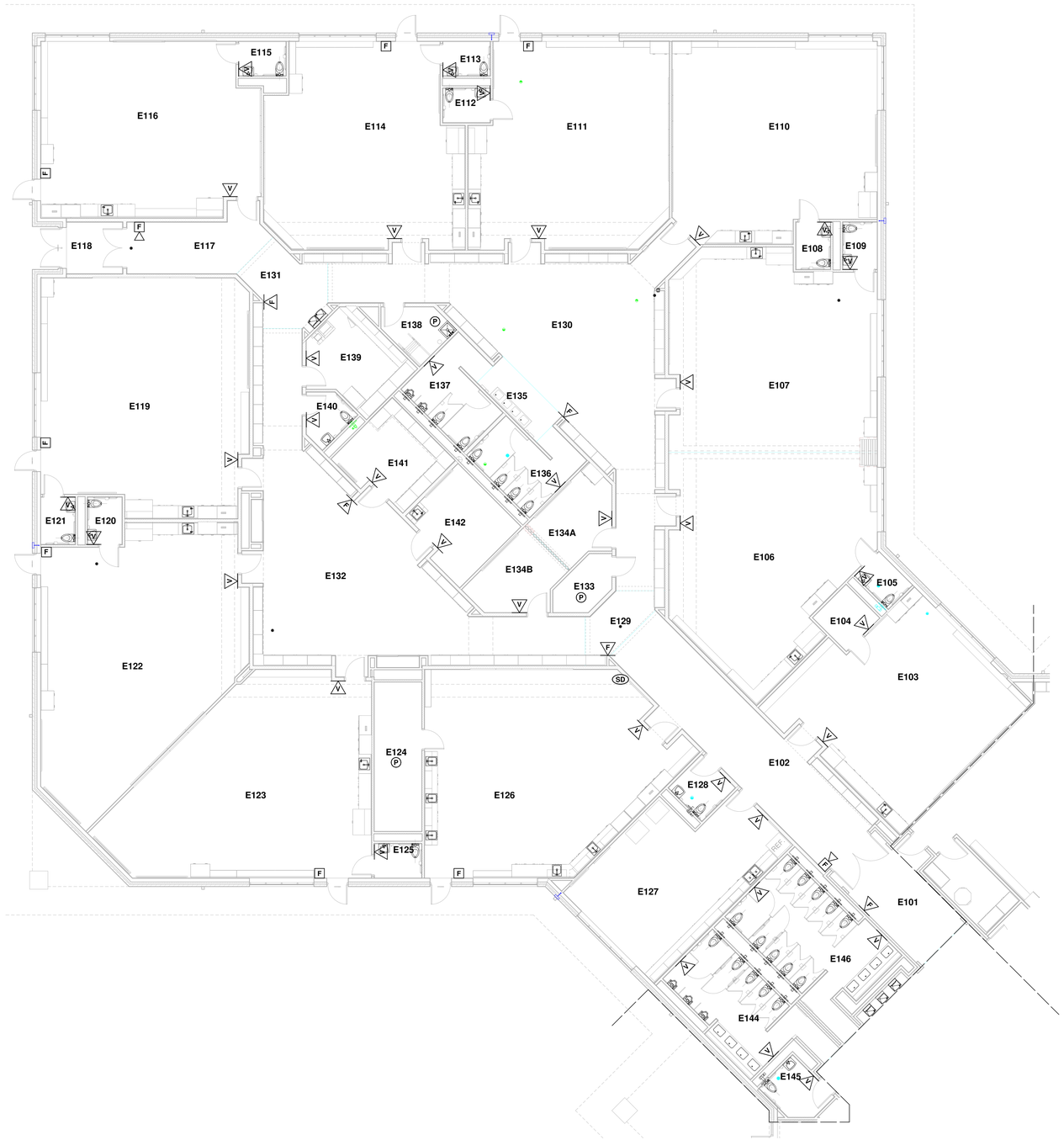
ROOM LEGEND - FIRST FLOOR UNIT E		
ROOM NO.	ROOM NAME	AREA (SF)
E101	CORRIDOR	216 SF
E102	CORRIDOR	529 SF
E103	SPECIAL EDUCATION	789 SF
E104	QUIET ROOM	54 SF
E105	RESTROOM	39 SF
E106	CLASSROOM	942 SF
E107	CLASSROOM	954 SF
E108	RESTROOM	39 SF
E109	RESTROOM	39 SF
E110	CLASSROOM	942 SF
E111	KINDERGARTEN CLASSROOM	938 SF
E112	KINDERGARTEN RESTROOM	39 SF
E113	KINDERGARTEN RESTROOM	39 SF
E114	KINDERGARTEN CLASSROOM	907 SF
E115	KINDERGARTEN RESTROOM	39 SF
E116	KINDERGARTEN CLASSROOM	888 SF
E117	CORRIDOR	179 SF
E118	VESTIBULE	70 SF
E119	KINDERGARTEN CLASSROOM	1139 SF
E120	KINDERGARTEN RESTROOM	39 SF
E121	KINDERGARTEN RESTROOM	39 SF
E122	KINDERGARTEN CLASSROOM	1132 SF
E123	KINDERGARTEN CLASSROOM	1066 SF
E124	STORAGE	171 SF
E125	KINDERGARTEN RESTROOM	39 SF
E126	SCIENCE	1089 SF
E127	TEACHER'S LOUNGE	533 SF
E128	RESTROOM	54 SF
E129	CORRIDOR	83 SF
E130	COMMONS	1155 SF
E131	CORRIDOR	142 SF
E132	COMMONS	1136 SF
E133	TECHNOLOGY CLOSET	61 SF
E134A	SMALL GROUP ROOM	131 SF
E134B	SMALL GROUP ROOM	131 SF
E135	RESTROOM VESTIBULE	74 SF
E136	GIRL'S RESTROOM	146 SF
E137	BOY'S RESTROOM	146 SF
E138	CUSTODIAL CLOSET	68 SF
E139	WORKROOM	178 SF
E140	RESTROOM	47 SF
E141	WORKROOM	171 SF
E142	SMALL GROUP ROOM	171 SF
E144	MEN'S RESTROOM	255 SF
E145	FAMILY RESTROOM	63 SF
E146	WOMEN'S RESTROOM	333 SF



UNIT E - FIRST FLOOR FIRE ALARM PLAN

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

GENERAL NOTES - FIRE ALARM

1. QUANTITY AND LOCATION OF TAMPER AND FLOW SWITCHES IS FOR BIDDING PURPOSES ONLY. VERIFY EXACT QUANTITY AND LOCATIONS WITH SPRINKLER CONTRACTOR PRIOR TO FIRE ALARM SHOP DRAWING SUBMITTAL.
2. FIRE ALARM LAYOUT IS SHOWN FOR COVERAGE AREA ONLY. CONTRACTOR SHALL PROVIDE DEVICES AS REQUIRED FOR COMPLETE COVERAGE.

2

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ARCHITECT

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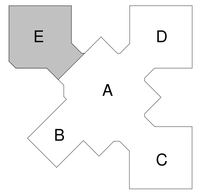

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT
DRAWN BY: MMS
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06.29.2020

UNIT E - FIRST FLOOR FIRE ALARM PLAN

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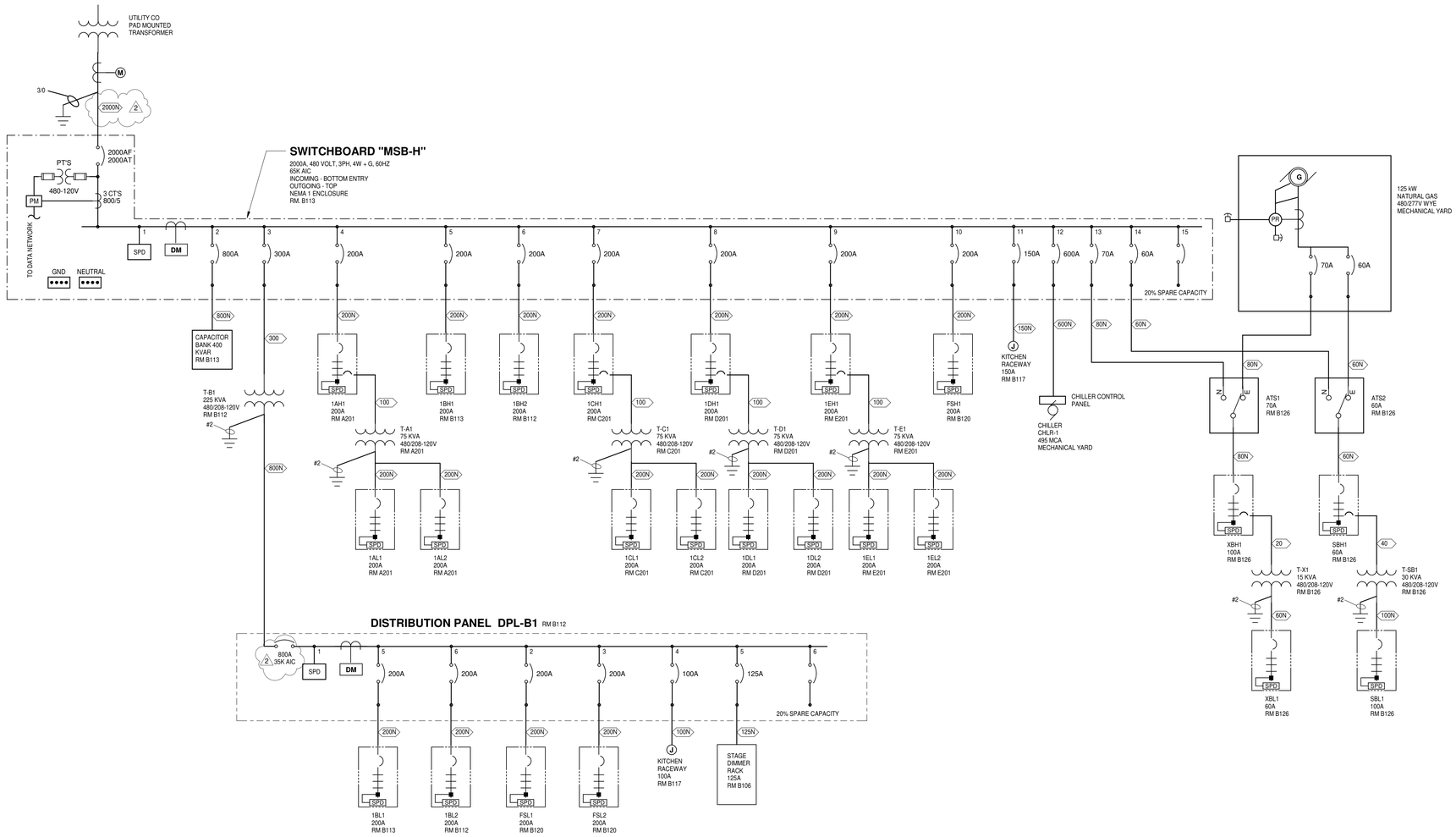

ONE LINE DIAGRAM

SCALE: 12" = 1'-0"

NOTES:
1. PROVIDE SHORT CIRCUIT RATING AS REQUIRED BY RESULTS OF POWER STUDY.
2. MSBH - 2000 AMP MAIN BREAKER WITH LONG(L) SHORTS(S) INSTANTANEOUS (I) GROUND FAULT PROTECTION(G) ARE REDUCING MAINTENANCE SWITCH. COORDINATE ALL SETTINGS WITH ARC FLASH AND OVERCURRENT DEVICE STUDIES.
3. COORDINATE SERVICE INSTALLATION WITH UTILITY COMPANY.

COPPER FEEDER SCHEDULE

SOURCE 2014 NEC T310.15(B)(16), COPPER 75C, (THHW, THW, THWN, XHHW)

X	NO.	CONDUCTOR SIZE			CONDUIT
FEEDER	OF	PHASE	NEUTRAL	GROUND	SIZE
LEGEND	SETS	QTY	(1)	(1)	Inches
15	1	3 # 14		#14	3/4
15N	1	3 # 14	#14	#14	3/4
20	1	3 # 12		#12	3/4
20N	1	3 # 12	#12	#12	3/4
30	1	3 # 10		#10	3/4
30N	1	3 # 10	#10	#10	3/4
40	1	3 # 8		#10	3/4
40N	1	3 # 8	#8	#10	3/4
60	1	3 # 6		#10	1
60N	1	3 # 6	#6	#10	1
80	1	3 # 4		#8	1 1/4
80N	1	3 # 4	#4	#8	1 1/4
100	1	3 # 3		#8	1 1/2
100N	1	3 # 3	#3	#8	1 1/2
125	1	3 # 1		#6	2
125N	1	3 # 1	#1	#6	2
150	1	3 # 1/0		#6	2
150N	1	3 # 1/0	#1/0	#6	2
175	1	3 # 2/0		#6	2
175N	1	3 # 2/0	#2/0	#6	2
200	1	3 # 3/0		#6	2
200N	1	3 # 3/0	#3/0	#6	2
225	1	3 # 4/0		#4	2 1/2
225N	1	3 # 4/0	#4/0	#4	2 1/2
250	1	3 # 250		#4	2 1/2
250N	1	3 # 250	#250	#4	2 1/2
300	1	3 # 350		#3	3
300N	1	3 # 350	#350	#3	3
350	1	3 # 500		#3	4
350N	1	3 # 500	#500	#3	4
400	1	3 # 600		#3	4
400N	1	3 # 600	#600	#3	4
500	2	3 # 250		#2	2 1/2
500N	2	3 # 250	#250	#2	2 1/2
600	2	3 # 350		#1	3
600N	2	3 # 350	#350	#1	3
800	2	3 # 600		#1/0	4
800N	2	3 # 600	#600	#1/0	4
1000	3	3 # 400		#2/0	3
1000N	3	3 # 400	#400	#2/0	3
1200	3	3 # 600		#3/0	4
1200N	3	3 # 600	#600	#3/0	4
1600	4	3 # 600		#4/0	4
1600N	4	3 # 600	#600	#4/0	4
2000	5	3 # 600		#250	4
2000N	5	3 # 600	#600	#250	4
2500	6	3 # 600		#350	4
2500N	6	3 # 600	#600	#350	4

ONE LINE DIAGRAM SYMBOLS

1AL1	MAIN LUG ONLY CIRCUIT BREAKER PANELBOARD, REFER TO E8 SERIES DRAWINGS FOR PANELBOARD SCHEDULES	DM	DIGITAL ELECTRONIC POWER METER		COMBINATION MAGNETIC MOTOR STARTER WITH FUSED SWITCH		FUSED SWITCH IN SWITCHBOARD, 3P UNO		FUSED POTENTIAL TRANSFORMER
		K	KIRK KEY INTERLOCK				DISCONNECT SWITCH IN SWITCHBOARD, 3P UNO		CURRENT TRANSFORMERS, 3 UNO
		M	UTILITY METER			SPG	FUSED BOLTED PRESSURE SWITCH WITH GROUND FAULT AND SINGLE PHASE PROTECTION, 3P UNO		CAPACITOR
2AL1	MAIN BREAKER IN CIRCUIT BREAKER PANELBOARD, REFER TO E8 SERIES DRAWINGS FOR PANELBOARD SCHEDULES	XXXA	MAIN BREAKER IN CIRCUIT BREAKER PANELBOARD WITH SUB-FEED BREAKER, REFER TO E8 SERIES DRAWINGS FOR PANELBOARD SCHEDULES		COMBINATION MAGNETIC MOTOR STARTER WITH CIRCUIT BREAKER	N E	TRANSFER SWITCH		EARTH GROUND
							DISCONNECT, 3P UNO	LA	LIGHTNING ARRESTER
					COMBINATION MAGNETIC MOTOR STARTER WITH MOTOR CIRCUIT PROTECTOR		MOLDED CASE CIRCUIT BREAKER, 3P UNO		PLUG AND RECEPTACLE OR DRAWOUT DEVICE
3AL1	THROUGH FEED LUGS CIRCUIT BREAKER PANELBOARD, REFER TO E8 SERIES DRAWINGS FOR PANELBOARD SCHEDULES	SPD	MAIN BREAKER IN CIRCUIT BREAKER PANELBOARD WITH INTEGRAL BUS CONNECTED SPD, REFER TO E8 SERIES DRAWINGSFOR PANELBOARD SCHEDULES		COMBINATION MAGNETIC MOTOR STARTER WITH VARIABLE SPEED CONTROLLER	VSC	CIRCUIT BREAKER IN SWITCHBOARD, 3P UNO		POWER TRANSFORMER
							INSULATED CASED POWER CIRCUIT BREAKER WITH L.I.S.G. PROTECTION FEATURES, 3P UNO	X	3 PHASE MOTOR. X INDICATES HORSEPOWER OR KILOWATTS
4AL1	MAIN DOUBLE LUG CIRCUIT BREAKER PANELBOARD, REFER TO E8 SERIES DRAWINGS FOR PANELBOARD SCHEDULES	SPD	MAIN BREAKER IN CIRCUIT BREAKER PANELBOARD WITH SPD MOUNTED ADJACENT WITH CLOSED NIPPLE, REFER TO E8 SERIES DRAWINGS FOR PANELBOARD SCHEDULES		COMBINATION MAGNETIC MOTOR STARTER WITH ELECTRONIC OVERLOADS	EO	DRAWOUT CIRCUIT BREAKER, 3P UNO	CP	CONTROL PANEL FURNISHED UNDER DIVISION 25
		7AL1					SHUNT TRIP OPERATED CIRCUIT BREAKER	G	GENERATOR

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CONSTRUCTION DOCUMENTS

STATE OF INDIANA
BRIAN W. BUTLER
REGISTERED
No. PE 19800008
PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: MMS
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06.29.2020

ELECTRICAL ONE-LINE DIAGRAM

E7.01

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LUMINAIRE SCHEDULE

PLAN TYPE	MANUFACTURER/CATALOG	MOUNTING	LAMPS NO.	LAMPS WATTS	LAMPS TYPE	LAMPS LUMENS	APPLIED VOLTAGE	DESCRIPTION	VA LOAD
FL1	LUMASCAPE LIGHTING ERDEN E8 SERIES MODEL LS3080-30-S-840-A-N-82-NM-24-Q-09-ND WITH LS640-K PRE-INSTALLATION BLOCKOUT KIT KIM LTV8SS SERIES SOLERA ING-625 SERIES HYDREL M9400C SERIES	IN-GROUND	1	41 W	LED	3338 lm	277 V	8-INCH NOMINAL DIAMETER LED IN-GROUND LUMINAIRE FOR ILLUMINATION OF FLAG, 15 DEGREE NARROW-MEDIUM DISTRIBUTION, ROTATABLE/TILTABLE ADJUSTABLE OPTIC ASSEMBLY, FLUSH COVER WITH CLEAR LENS AND BRUSHED STAINLESS STEEL TRIM RING, WET LOCATION LISTED. PROVIDE WITH PRE-INSTALLATION BLOCKOUT ACCESSORY KIT FOR INSTALLATION IN CONCRETE POUR PRIOR TO LUMINAIRE INSTALLATION.	41 VA
LC1	LITHONIA CLX SERIES METALUX SNLED SERIES COLUMBIA MPS SERIES H.E. WILLIAMS 75S SERIES	SURFACE	1	30 W	LED	3000 lm	277 V	4' BY 4" SURFACE MOUNT LINEAR LED. FLAT FROSTED LENS, ASYMMETRIC DISTRIBUTION. 10% 0-10 V DIMMING. 90+ CRI. 4000 K COLOR TEMPERATURE. OPEN END CAP	30 VA
LD61	PORTFOLIO LD6A SERIES PHILIPS LIGHTOLIER C6L SERIES GOTHAM EVO SERIES PRESCOLITE LC6SL SERIES H.E. WILLIAMS 6DR SERIES	RECESSED	1	15 W	LED	1500 lm	277 V	6-INCH ROUND APERTURE OPEN REFLECTOR LED DOWNLIGHT, MEDIUM DISTRIBUTION, CLEAR SPECULAR FINISH, SELF-FLANGED, 0-10VDC DIMMING, BAR HANGER ACCESSORY.	15 VA
LD61X	PORTFOLIO LD6A SERIES PHILIPS LIGHTOLIER C6L SERIES GOTHAM EVO SERIES PRESCOLITE LC6SL SERIES H.E. WILLIAMS 6DR SERIES	RECESSED	1	15 W	LED	1500 lm	277 V	6-INCH ROUND APERTURE OPEN REFLECTOR LED DOWNLIGHT, MEDIUM DISTRIBUTION, CLEAR SPECULAR FINISH, SELF-FLANGED, 0-10VDC DIMMING, BAR HANGER ACCESSORY, WITH EMERGENCY TRANSFER DEVICE.	15 VA
LD62	PORTFOLIO LD6A SERIES PHILIPS LIGHTOLIER C6L SERIES GOTHAM EVO SERIES PRESCOLITE LD6ML SERIES H.E. WILLIAMS 6DR SERIES	RECESSED	1	22 W	LED	2000 lm	277 V	6-INCH ROUND APERTURE OPEN REFLECTOR LED DOWNLIGHT, MEDIUM DISTRIBUTION, CLEAR SPECULAR FINISH, SELF-FLANGED, 0-10VDC DIMMING, BAR HANGER ACCESSORY.	22 VA
LD62X	PORTFOLIO LD6A SERIES PHILIPS LIGHTOLIER C6L SERIES GOTHAM EVO SERIES PRESCOLITE LD6ML SERIES H.E. WILLIAMS 6DR SERIES	RECESSED	1	22 W	LED	2000 lm	277 V	6-INCH ROUND APERTURE OPEN REFLECTOR LED DOWNLIGHT, MEDIUM DISTRIBUTION, CLEAR SPECULAR FINISH, SELF-FLANGED, 0-10VDC DIMMING, BAR HANGER ACCESSORY, WITH EMERGENCY TRANSFER DEVICE.	22 VA
LDW61	PORTFOLIO LD6 SERIES PHILIPS BRANDS A/E APPROVED EQUAL GOTHAM EVO SHOWER SERIES PRESCOLITE LF6LEDG4 SERIES H.E. WILLIAMS 6DR SERIES	RECESSED	1	15 W	LED	1500 lm	277 V	6-INCH ROUND APERTURE LED SHOWER LIGHT WITH REGRESSED LENS REFLECTOR, WHITE REFLECTOR AND TRIM, SELF-FLANGED, IP65 WET LOCATION LISTED.	15 VA
LDW62	PORTFOLIO LD6 SERIES PHILIPS BRANDS A/E APPROVED EQUAL GOTHAM EVO SHOWER SERIES PRESCOLITE LF6LEDG4 SERIES H.E. WILLIAMS 6DR SERIES	RECESSED	1	22 W	LED	2000 lm	277 V	6-INCH ROUND APERTURE LED SHOWER LIGHT WITH REGRESSED LENS REFLECTOR, WHITE REFLECTOR AND TRIM, SELF-FLANGED, IP65 WET LOCATION LISTED.	22 VA
LDWW1	PORTFOLIO LD6A SERIES PHILIPS LIGHTOLIER C6L SERIES GOTHAM EVO SERIES PRESCOLITE LC6ML SERIES H.E. WILLIAMS 6DR SERIES	RECESSED	1	22 W	LED	2000 lm	277 V	6-INCH ROUND APERTURE OPEN REFLECTOR LED DOWNLIGHT, WALL WASH DISTRIBUTION, CLEAR SPECULAR FINISH, SELF-FLANGED, 0-10VDC DIMMING, BAR HANGER ACCESSORY.	22 VA
LE1	MCGRAW EDISON ISS IMPACT SERIES LITHONIA WSQ-LED SERIES HUBBELL QSP SERIES NLS NV-W SERIES	SURFACE	1	30 W	LED	3100 lm	277 V	ROUND TOP WALL SCONCE, LISTED FOR WET LOCATIONS, BRONZE FINISH.	30 VA
LH12	METALUX HBLED SERIES DAY-BRITE FBX SERIES LITHONIA IBG SERIES COLUMBIA LLHV SERIES H.E. WILLIAMS GH SERIES	SUSPENDED	1	122 W	LED	12000 lm	277 V	2 BY 4-FOOT LED HIGH BAY, 95% REFLECTIVE SPECULAR ALUMINUM REFLECTOR, WIDE DISTRIBUTION, FROSTED ACRYLIC LENS AND WIREGUARD, 0-10VDC DIMMING. PROVIDE WITH ALL MOUNTING HARDWARE AND ACCESSORIES FOR AIRCRAFT CABLE SUSPENSION.	122 VA
LH12X	METALUX HBLED SERIES DAY-BRITE FBX SERIES LITHONIA IBG SERIES COLUMBIA LLHV SERIES H.E. WILLIAMS GH SERIES	SUSPENDED	1	122 W	LED	12000 lm	277 V	2 BY 4-FOOT LED HIGH BAY, 95% REFLECTIVE SPECULAR ALUMINUM REFLECTOR, WIDE DISTRIBUTION, FROSTED ACRYLIC AND WIREGUARD, 0-10VDC DIMMING. PROVIDE WITH ALL MOUNTING HARDWARE AND ACCESSORIES FOR AIRCRAFT CABLE SUSPENSION. PROVIDE WITH EMERGENCY TRANSFER DEVICE.	122 VA
LR2	METALUX WNLED SERIES LITHONIA SBL SERIES COLUMBIA LAW SERIES H.E. WILLIAMS 39 SERIES	SURFACE	1	36 W	LED	4000 lm	277 V	4-FOOT LED WRAP AROUND FIXTURE, ACRYLIC PRISMATIC DIFFUSER, 10% 0-10VDC DIMMING. IF SUSPENDED, INSTALL AT 8-FOOT AFF WITH CONDUIT STEMS (UNO).	36 VA
LR2X	METALUX WNLED SERIES LITHONIA SBL SERIES COLUMBIA LAW SERIES H.E. WILLIAMS 39 SERIES	SURFACE	1	36 W	LED	4000 lm	277 V	4-FOOT LED WRAP AROUND FIXTURE, ACRYLIC PRISMATIC DIFFUSER, 10% 0-10VDC DIMMING, WITH EMERGENCY BATTERY PACK.	36 VA
LRR48	MARK ARCHITECTURAL MAGELLAN SERIES PMC SR48LED SERIES H.E. WILLIAMS RND SERIES LUMENWERX POROP SERIES	RECESSED	1	92 W	LED	9000 lm	277 V	MAGELLAN LED CEILING FLUSH MOUNT 48IN DIAMETER FIXTURE, 4000K, 0-10V DIMMING DRIVER,	92 VA
LRR48X	MARK ARCHITECTURAL MAGELLAN SERIES PMC SR48LED SERIES H.E. WILLIAMS RND SERIES LUMENWERX POROP SERIES	RECESSED	1	92 W	LED	9000 lm	277 V	MAGELLAN LED CEILING FLUSH MOUNT 48IN DIAMETER FIXTURE, 4000K, 0-10V DIMMING DRIVER,	92 VA
LS1	LITHONIA DSX2 SERIES MCGRAW EDISON GALEON SERIES BEACON VIPER L SERIES NLS NV-1 SERIES	20'-0" SQUARE STEEL POLE	1	270 W	LED	27301 lm	277 V	POLE MOUNTED LED FIXTURE ON A 20'-0" TALL POLE. CLEAR LENS, 70+CRI, 4000K, TYPE 2 DISTRIBUTION.	270 VA
LS2	LITHONIA DSX2 SERIES MCGRAW EDISON GALEON SERIES BEACON VIPER L SERIES NLS NV-1 SERIES	20'-0" SQUARE STEEL POLE	1	270 W	LED	25384 lm	277 V	POLE MOUNTED LED FIXTURE ON A 20'-0" TALL POLE. CLEAR LENS, 70+CRI, 4000K, TYPE 4 DISTRIBUTION.	270 VA
LT2	METALUX FP SERIES LITHONIA EPANL SERIES COLUMBIA CFP SERIES ORACLE 24 SERIES	RECESSED	1	32 W	LED	3900 lm	277 V	2' X 4' FLAT PANEL TROFFER, FULL DISTRIBUTION LED ARRAY, 4000K, 80+ CRI, 0-10V DIMMING.	32 VA
LT2X	METALUX FP SERIES LITHONIA EPANL SERIES COLUMBIA CFP SERIES ORACLE 24 SERIES	RECESSED	1	32 W	LED	3900 lm	277 V	2' X 4' FLAT PANEL TROFFER, FULL DISTRIBUTION LED ARRAY, 4000K, 80+ CRI, 0-10V DIMMING. PROVIDE WITH EMERGENCY TRANSFER DEVICE.	32 VA
LT3	METALUX FP SERIES ORACLE 24 SERIES LITHONIA EPANL SERIES COLUMBIA CFP SERIES	RECESSED	1	39 W	LED	4600 lm	277 V	2' X 4' FLAT PANEL TROFFER, FULL DISTRIBUTION LED ARRAY, 4000K, 80+ CRI, 0-10V DIMMING.	39 VA
LT3X	METALUX FP SERIES LITHONIA EPANL SERIES COLUMBIA CFP SERIES ORACLE 24 SERIES	RECESSED	1	39 W	LED	4600 lm	277 V	2' X 4' FLAT PANEL TROFFER, FULL DISTRIBUTION LED ARRAY, 4000K, 80+ CRI, 0-10V DIMMING. PROVIDE WITH EMERGENCY TRANSFER DEVICE.	39 VA
LV22	METALUX FP SERIES LITHONIA EPANL SERIES COLUMBIA CFP SERIES ORACLE 24 SERIES	RECESSED	1	24 W	LED	4000 lm	277 V	2' X 2' FLAT PANEL TROFFER, FULL DISTRIBUTION LED ARRAY, 4000K, 80+ CRI, 0-10V DIMMING.	24 VA
LV22X	METALUX FP SERIES LITHONIA EPANL SERIES COLUMBIA CFP SERIES ORACLE 24 SERIES	RECESSED	1	24 W	LED	4000 lm	277 V	2' X 2' FLAT PANEL TROFFER, FULL DISTRIBUTION LED ARRAY, 4000K, 80+ CRI, 0-10V DIMMING. EMERGENCY TRANSFER DEVICE.	24 VA
LW4	PHILIPS DAY-BRITE SERIES PINNACLE EV3WW SERIES AMETRIX LC32 SERIES AXIS WWR SERIES LUX ILLUMINAIRE EOS SERIES	RECESSED	1	53 W	LED	4000 lm	277 V	1' X 4' RECESSED MARKERBOARD WALL WASH, LED DIMMING 0-10V.	53 VA
LWBS2	PEERLESS CRWL7 SERIES FOCAL POINT FV4LW SERIES FINELITE LEDWMID SERIES H.E. WILLIAMS AIW SERIES	SURFACE WALL	1	53 W	LED	3800 lm	277 V	4-FOOT WALL BRACKET TYPE UPLIGHT ONLY LED FIXTURE, FROSTED ACRYLIC LENS, 4000K, 80+ CRI.	53 VA
LWBS2X	PEERLESS CRWL7 SERIES FOCAL POINT FV4LW SERIES FINELITE LEDWMID SERIES H.E. WILLIAMS AIW SERIES	SURFACE WALL	1	53 W	LED	3800 lm	277 V	4-FOOT WALL BRACKET TYPE UPLIGHT ONLY LED FIXTURE, FROSTED ACRYLIC LENS, 4000K, 80+ CRI. PROVIDE WITH EMERGENCY TRANSFER DEVICE.	53 VA
WL1	ELLIPTIPAR S136 SERIES SPI EIW SERIES SOLERA SIAC SERIES INSIGHT D21 SERIES	SURFACE	1	60 W	LED	6000 lm	277 V	WALL SCONCE, UPLIGHT ONLY, WHITE.	60 VA
XC	SURE-LITES LPX SERIES CHLORIDE VE LINE SERIES LITHONIA EXR SERIES DUAL-LITE LX SERIES MULE LIGHTING MX SERIES	SURFACE CEILING	1	3 W	RED LED	0 lm	277 V	THERMOPLASTIC AC ONLY EXIT SIGN, SINGLE FACE, DIRECTIONAL ARROWS INDICATED, WHITE HOUSING. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.	3 VA
XVW	SURE-LITES UX SERIES CHLORIDE 60 LINE SERIES LITHONIA LV SERIES DUAL-LITE SEWL SERIES MULE LIGHTING WLCX SERIES	SURFACE WALL	1	3 W	RED LED	0 lm	277 V	CAST ALUMINUM, VANDAL RESISTANT AC ONLY EXIT SIGN, SINGLE FACE, DIRECTIONAL ARROWS INDICATED, WHITE HOUSING, LISTED FOR WET LOCATIONS. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.	3 VA
XW	SURE-LITES LPX SERIES CHLORIDE VE LINE SERIES LITHONIA EXR SERIES DUAL-LITE LX SERIES MULE LIGHTING MX SERIES	SURFACE WALL	1	3 W	RED LED	0 lm	277 V	THERMOPLASTIC AC ONLY EXIT SIGN, SINGLE FACE, DIRECTIONAL ARROWS INDICATED, WHITE HOUSING. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.	3 VA

2

LUMINAIRE SCHEDULE - GENERAL NOTES

1. SEE SPECIFICATIONS FOR DRIVER REQUIREMENTS.
2. FOR ALL DOWNLIGHTING FIXTURES, PROVIDE REQUIRED MOUNTING HARDWARE FOR MOUNTING IN LAY-IN TYPE CEILINGS.
3. CONTRACTOR TO VERIFY TYPES AND QUANTITY OF LIGHT FIXTURES REQUIRING EMERGENCY TRANSFER DEVICES AND PROVIDE REQUIRED QUANTITY OF EMERGENCY TRANSFER DEVICES, LABOR, MATERIAL, ETC. IN THE PROJECT BID FOR FIELD INSTALLATION OF EMERGENCY TRANSFER DEVICES.
4. LIGHT FIXTURE SUBMITTALS TO INCLUDE DATA SHEETS FOR ALL FIXTURE TYPES, INCLUDING ADDITIONAL DATA SHEETS FOR DRIVER COMBINATIONS REQUIRED TO MEET THE INSTALLATION REQUIREMENTS OF THE VARIOUS FIXTURE TYPES INDICATED IN THE REMARKS COLUMN OF THE FIXTURE SCHEDULES OR ON THE DRAWINGS. SUBMITTALS SHALL ALSO INDICATE COLOR FOR ANY CUSTOM COLOR LIGHT FIXTURES.

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CONSTRUCTION DOCUMENTS

BRIAN W. BUTLER
REGISTERED
No.
PE11600305
STATE OF
INDIANA
PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: MMS
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	06.19.2020
2	ADDENDUM #2	06.29.2020

LUMINAIRE SCHEDULES

E8.01

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Branch Panel: 1AH1

Location: A201 **Supply From:** MSB-H **Mounting:** Surface **Enclosure:** Type 1
Volts: 480/277 Wye **Phases:** 3 **Wires:** 4
A.I.C. Rating: 35,000 2 **Mains Type:** MLO **Mains Rating:** 200 A **MCB Rating:** 200 A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	CKT
1	Transformer T-A1 - RM. A201	100 A	3	24361	1466					1	20 A	Lighting - RM A101-A103, A120, A131, B124,...	2
3	--	--	--			25617	1290			1	20 A	Lighting - A104-A118, A137-A141	4
5	--	--	--					24430	830	1	20 A	Lighting - A133-A139	6
7	Lightin - A113-A127	20 A	1	1664	2094					1	20 A	Lighting - RM A128	8
9	AHU-A1 - RM. A201	40 A	3			5817	3878			3	20 A	AHU-A2 - RM. A201	10
11	--	--	--					5817	3878	--	--	--	12
13	--	--	--	5817	3878					--	--	--	14
15	AHU-E3 - RM. A201	20 A	3			3878	2520			3	20 A	AHU-A4 - RM. A201	16
17	--	--	--					3878	2520	--	--	--	18
19	--	--	--	3878	2520					--	--	--	20
21	Spare	20 A	1			0	0			1	20 A	Spare	22
23	Spare	20 A	1					0	0	1	20 A	Spare	24
25	Spare	20 A	1	0	0					1	20 A	Spare	26
27	Spare	20 A	1			0	0			1	20 A	Spare	28
29	Spare	20 A	1					0	0	1	20 A	Spare	30
31	Spare	20 A	1	0	0					1	20 A	Spare	32
33	Spare	20 A	1			0	0			1	20 A	Spare	34
35	Spare	20 A	1					0	0	1	20 A	Spare	36
37	Spare	20 A	1	0	0					1	20 A	Spare	38
39	Spare	20 A	1			0	0			1	20 A	Spare	40
41	Spare	20 A	1					0	0	1	20 A	Spare	42
			Total Load:	45678 VA		43000 VA		41353 VA					
			Total Amps:	166 A		156 A		149 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	7344 VA	100.00%	7344 VA		
Motor	55638 VA	107.84%	60001 VA	**Total Conn. Load:**	130032 VA
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	105870 VA
HVAC	0 VA	0.00%	0 VA	**Total Conn.:**	156 A
Receptacle	65050 VA	57.69%	37525 VA	**Total Est. Demand:**	127 A
Kitchen Equipment	2000 VA	50.00%	1000 VA		

Notes:

Branch Panel: 1BH1

Location: B113 L B113 **Supply From:** MSB-H **Mounting:** Surface **Enclosure:** Type 1
Volts: 480/277 Wye **Phases:** 3 **Wires:** 4
A.I.C. Rating: 65,000 2 **Mains Type:** MLO **Mains Rating:** 200 A **MCB Rating:** 200 A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	CKT
1	Lighting - B109-B113, B126	20 A	1	564	1952					1	20 A	Lighting - Gymnasium B108	2
3	Lighting - Stage, B101, B102	20 A	1			777	983			1	20 A	Lighting - B116, B117, B120, B121, B123, B128	4
5	AHU-B1 - RM. B201	40 A	3					3878	1890	1	20 A	Site Lighting #1	6
7	--	--	--	3878	2160					1	20 A	Site Lighting #2	8
9	--	--	--			3878	2160			1	20 A	Site Lighting #3	10
11	Site Lighting #4	20 A	1					2430	1890	1	20 A	Site Lighting #5	12
13	EF-B204 - RM. B201	20 A	3	529	0					1	20 A	Spare	14
15	--	--	--			529	0			1	20 A	Spare	16
17	--	--	--					529	0	1	20 A	Spare	18
19	Spare	20 A	1	0	0					1	20 A	Spare	20
21	Spare	20 A	1			0	0			1	20 A	Spare	22
23	Spare	20 A	1					0	0	1	20 A	Spare	24
25	Spare	20 A	1	0	0					1	20 A	Spare	26
27	Spare	20 A	1			0	0			1	20 A	Spare	28
29	Spare	20 A	1					0	0	1	20 A	Spare	30
31	Spare	20 A	1	0	0					1	20 A	Spare	32
33	Spare	20 A	1			0	0			1	20 A	Spare	34
35	Spare	20 A	1					0	0	1	20 A	Spare	36
37	Spare	20 A	1	0	0					1	20 A	Spare	38
39	Spare	20 A	1			0	0			1	20 A	Spare	40
41	Spare	20 A	1					0	0	1	20 A	Spare	42
			Total Load:	9083 VA		8327 VA		10617 VA					
			Total Amps:	33 A		30 A		39 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	14806 VA	100.00%	14806 VA		
Motor	13221 VA	122.00%	16130 VA	**Total Conn. Load:**	28027 VA
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	30936 VA
				Total Conn.:	34 A
				Total Est. Demand:	37 A

Notes:

Branch Panel: 1BH2

Location: B112 L B112 **Supply From:** MSB-H **Mounting:** SURFACE **Enclosure:** NEMA 1
Volts: 480/277 Wye **Phases:** 3 **Wires:** 4
A.I.C. Rating: 65,000 2 **Mains Type:** MLO **Mains Rating:** 200 A **MCB Rating:** 200 A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	CKT
1	HHWP-2 - RM. B112	30 A	3	3878	3878					3	30 A	SCWP-1 - RM. B112	2
3	--	--	--			3878	3878			--	--	--	4
5	--	--	--					3878	3878	--	--	--	6
7	SCWP-2 - RM. B112	30 A	3	3878	582					3	20 A	Boiler BLR-2 - RM. B112	8
9	--	--	--			3878	582			--	--	--	10
11	--	--	--					3878	582	--	--	--	12
13	PCWP-1 - RM. B112	20 A	3	3878	3878					3	20 A	PCWP-2 - RM. B112	14
15	--	--	--			3878	3878			--	--	--	16
17	--	--	--					3878	3878	--	--	--	18
19	PUH-B4 - RM. B113	20 A	3	2500	0					1	20 A	Spare	20
21	--	--	--			2500	0			1	20 A	Spare	22
23	--	--	--					2500	0	1	20 A	Spare	24
25	Spare	20 A	1	0	0					1	20 A	Spare	26
27	Spare	20 A	1			0	0			1	20 A	Spare	28
29	Spare	20 A	1					0	0	1	20 A	Spare	30
31	Spare	20 A	1	0	0					1	20 A	Spare	32
33	Spare	20 A	1			0	0			1	20 A	Spare	34
35	Spare	20 A	1					0	0	1	20 A	Spare	36
37	Spare	20 A	1	0	0					1	20 A	Spare	38
39	Spare	20 A	1			0	0			1	20 A	Spare	40
41	Spare	20 A	1					0	0	1	20 A	Spare	42
			Total Load:	22472 VA		22472 VA		22472 VA					
			Total Amps:	81 A		81 A		81 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	67415 VA	104.31%	70324 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	67415 VA
				Total Est. Demand:	70324 VA
				Total Conn.:	81 A
				Total Est. Demand:	85 A

Notes:

Branch Panel: 1CH1

Location: C201 ⋮C201 **Supply From:** MSB-H **Mounting:** Surface **Enclosure:** Type 1
Volts: 480/277 Wye **Phases:** 3 **Wires:** 4
A.I.C. Rating: 35,000 2 **Mains Type:** MLO **Mains Rating:** 200 A **MCB Rating:** 200A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	CKT
1	Transformer T-C1 - RM.C201	100 A	3	24360	220					1	20 A	Lighting - C125-C133	2
3	--	--	--			30690	988			1	20 A	Lighting - Unit C Corridors	4
5	--	--	--					28160	819	1	20 A	Lighting - C102, C116	6
7	Lighting - C103-C106	20 A	1	1669	1290					1	20 A	Lighting -C107, C110, C111	8
9	Lighting - C112-C115	20 A	1			1789	11634			3	50 A	AHU-C1 - RM. C201	10
11	ERV-C1 - Supply Fan - RM. C201	20 A	3					3102	11634	--	--	--	12
13	--	--	--	3102	11634					--	--	--	14
15	--	--	--			3102	3102			3	20 A	ERV-C1 - Exhaust Fan - RM. C201	16
17	Spare	20 A	1					0	3102	--	--	--	18
19	Spare	20 A	1	0	3102					--	--	--	20
21	Spare	20 A	1			0	0			1	20 A	Spare	22
23	Spare	20 A	1					0	0	1	20 A	Spare	24
25	Spare	20 A	1	0	0					1	20 A	Spare	26
27	Spare	20 A	1			0	0			1	20 A	Spare	28
29	Spare	20 A	1					0	0	1	20 A	Spare	30
31	Spare	20 A	1	0	0					1	20 A	Spare	32
33	Spare	20 A	1			0	0			1	20 A	Spare	34
35	Spare	20 A	1					0	0	1	20 A	Spare	36
37	Spare	20 A	1	0	0					1	20 A	Spare	38
39	Spare	20 A	1			0	0			1	20 A	Spare	40
41	Spare	20 A	1					0	0	1	20 A	Spare	42
			Total Load:	45378 VA		51306 VA		46818 VA					
			Total Amps:	164 A		186 A		170 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	6775 VA	100.00%	6775 VA		
Motor	53966 VA	116.17%	62692 VA	**Total Conn. Load:**	143501 VA
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	117847 VA
Receptacle	71760 VA	56.97%	40880 VA	**Total Conn.:**	173 A
Kitchen Equipment	1000 VA	50.00%	500 VA	**Total Est. Demand:**	142 A
Receptacle - Range	10000 VA	70.00%	7000 VA		

Notes:

Branch Panel: 1DH1

Location: D201 ⋮D201 **Supply From:** MSB-H **Mounting:** Surface **Enclosure:** Type 1
Volts: 480/277 Wye **Phases:** 3 **Wires:** 4
A.I.C. Rating: 35,000 2 **Mains Type:** MLO **Mains Rating:** 200 A **MCB Rating:** 200 A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	CKT
1	Transformer T-D1 - RM. D201	100 A	3	20100	280					1	20 A	Lighting - D122-D129	2
3	--	--	--			20390	1022			1	20 A	Lighting - Unit D Corridors, A119	4
5	--	--	--					22200	1708	1	20 A	Lighting - D102-D105	6
7	Lighting - D106. D109-D111	20 A	1	1839	1318					1	20 A	Lighting - D112-D114	8
9	AHU-D1 - RM. D201	50 A	3			11634	3102			3	20 A	ERV-D1 Supply Fan - RM. D201	10
11	--	--	--					11634	3102	--	--	--	12
13	--	--	--	11634	3102					--	--	--	14
15	ERV-D1 Exhaust Fan - RM. D201	20 A	3			3102	0			1	20 A	Spare	16
17	--	--	--					3102	0	1	20 A	Spare	18
19	--	--	--	3102	0					1	20 A	Spare	20
21	Spare	20 A	1			0	0			1	20 A	Spare	22
23	Spare	20 A	1					0	0	1	20 A	Spare	24
25	Spare	20 A	1	0	0					1	20 A	Spare	26
27	Spare	20 A	1			0	0			1	20 A	Spare	28
29	Spare	20 A	1					0	0	1	20 A	Spare	30
31	Spare	20 A	1	0	0					1	20 A	Spare	32
33	Spare	20 A	1			0	0			1	20 A	Spare	34
35	Spare	20 A	1					0	0	1	20 A	Spare	36
37	Spare	20 A	1	0	0					1	20 A	Spare	38
39	Spare	20 A	1			0	0			1	20 A	Spare	40
41	Spare	20 A	1					0	0	1	20 A	Spare	42
			Total Load:	41376 VA		39251 VA		41747 VA					
			Total Amps:	151 A		142 A		152 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	6167 VA	100.00%	6167 VA		
Motor	53866 VA	116.20%	62592 VA	**Total Conn. Load:**	122373 VA
Other	180 VA	100.00%	180 VA	**Total Est. Demand:**	105019 VA
HVAC	0 VA	0.00%	0 VA	**Total Conn.:**	147 A
Receptacle	62160 VA	58.04%	36080 VA	**Total Est. Demand:**	126 A

Notes:

Branch Panel: 1EH1

Location: E201 ⋮E201 **Supply From:** MSB-H **Mounting:** Surface **Enclosure:** Type 1
Volts: 480/277 Wye **Phases:** 3 **Wires:** 4
A.I.C. Rating: 35,000 2 **Mains Type:** MLO **Mains Rating:** 200 A **MCB Rating:** 200 A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	CKT
1	Transformer T-E1 - RM. E201	100 A	3	24160	220					1	20 A	Lighting - E135-E141	2
3	--	--	--			23410	1018			1	20 A	Lighting - Unit E Corridors	4
5	--	--	--					23985	1293	1	20 A	Lighting - E103-E107	6
7	Lighting - E110-E114	20 A	1	1254	1633					1	20 A	Lighting - E116, E119-E122	8
9	Lighting - E123-E127, E144, E146	20 A	1			1197	11634			3	50 A	AHU-E1 - RM. E201	10
11	ERV-E1 - Supply Fan - RM. E201	20 A	3					3102	11634	--	--	--	12
13	--	--	--			--	--	3102	11634	--	--	--	14
15	--	--	--			3102	3102			3	20 A	ERV-E1 - Exhaust Fan - RM. E201	16
17	Spare	20 A	1					0	3102	--	--	--	18
19	Spare	20 A	1	0	3102					--	--	--	20
21	Spare	20 A	1			0	0			1	20 A	Spare	22
23	Spare	20 A	1					0	0	1	20 A	Spare	24
25	Spare	20 A	1	0	0					1	20 A	Spare	26
27	Spare	20 A	1			0	0			1	20 A	Spare	28
29	Spare	20 A	1					0	0	1	20 A	Spare	30
31	Spare	20 A	1	0	0					1	20 A	Spare	32
33	Spare	20 A	1			0	0			1	20 A	Spare	34
35	Spare	20 A	1					0	0	1	20 A	Spare	36
37	Spare	20 A	1	0	0					1	20 A	Spare	38
39	Spare	20 A	1			0	0			1	20 A	Spare	40
41	Spare	20 A	1					0	0	1	20 A	Spare	42
			Total Load:	45106 VA		43464 VA		43117 VA					
			Total Amps:	163 A		157 A		156 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	6615 VA	100.00%	6615 VA		
Motor	55631 VA	115.68%	64357 VA	**Total Conn. Load:**	131686 VA
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	110692 VA
HVAC	0 VA	0.00%	0 VA	**Total Conn.:**	158 A
Receptacle	68440 VA	57.31%	39220 VA	**Total Est. Demand:**	133 A
Kitchen Equipment	1000 VA	50.00%	500 VA		

Notes:

Branch Panel: FSH1

Location: B120 B120 **Supply From:** MSB-H **Mounting:** Recessed **Enclosure:** Type 1
Volts: 480/277 Wye **Phases:** 3 **Wires:** 4
A.I.C. Rating: 65,000 2 **Mains Type:** M.L.O. **Mains Rating:** 200 A **MCB Rating:** 200 A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	CKT
1	Disposer - RM B115	20 A	3	1500	833					3	20 A	Disposer - RM B115	2
3	--	--	--			1500	833			--	--	--	4
5	--	--	--					1500	833	--	--	--	6
7	Dishwasher - RM B115	90 A	3	18853	833					3	20 A	Disposer - RM B117	8
9	--	--	--			18853	833			--	--	--	10
11	--	--	--					18853	833	--	--	--	12
13	Spare	20 A	1	0	0					1	20 A	Spare	14
15	Spare	20 A	1			0	0			1	20 A	Spare	16
17	Spare	20 A	1					0	0	1	20 A	Spare	18
19	Spare	20 A	1	0	0					1	20 A	Spare	20
21	Spare	20 A	1			0	0			1	20 A	Spare	22
23	Spare	20 A	1					0	0	1	20 A	Spare	24
25	Spare	20 A	1	0	0					1	20 A	Spare	26
27	Spare	20 A	1			0	0			1	20 A	Spare	28
29	Spare	20 A	1					0	0	1	20 A	Spare	30
31	Spare	20 A	1	0	0					1	20 A	Spare	32
33	Spare	20 A	1			0	0			1	20 A	Spare	34
35	Spare	20 A	1					0	0	1	20 A	Spare	36
37	Spare	20 A	1	0	0					1	20 A	Spare	38
39	Spare	20 A	1			0	0			1	20 A	Spare	40
41	Spare	20 A	1					0	0	1	20 A	Spare	42
			Total Load:	22020 VA		22020 VA		22020 VA					
			Total Amps:	79 A		79 A		79 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	9500 VA	111.84%	10625 VA		
Receptacle	56560 VA	58.84%	33280 VA	**Total Conn. Load:**	66060 VA
				Total Est. Demand:	43905 VA
				Total Conn.:	79 A
				Total Est. Demand:	53 A

Notes:

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CONSTRUCTION DOCUMENTS

BRIAN W. BUTLER REGISTERED No. PE19900001 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: MMS
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	06.19.2020
2	ADDENDUM #2	06.29.2020

PANELBOARD SCHEDULES

E8.02

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6/26/2020 8:52:50 AM

Branch Panel: 1AL1

Location: A201 | Supply From: T-A1 | Mounting: Surface | Enclosure: Type 1
Volts: 208/120 Wye | Phases: 3 | Wires: 4
A.I.C. Rating: 10,000 | Mains Type: MCB | Mains Rating: 200 A | MCB Rating: 200A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Receptacles - RM A137	20 A	1	1260	1080					1	20 A	Receptacles - RM A137	2
3	Receptacles - RM A137	20 A	1			900	960			1	20 A	Raceway - RM A137	4
5	Receptacles - RM A101-A103, A138, A141	20 A	1					1080	960	1	20 A	Raceeway - RM A137	6
7	Kiln - RM A138	20 A	3	120	1127					1	20 A	Auto Door Operator - RM A101	8
9	--	--	--			120	1127			1	20 A	Auto Door Operator - RM A102	10
11	--	--	--					120	1080	1	20 A	Receptacles - RM A101-A103	12
13	Receptacles - RM A104	20 A	1	1350	1080					1	20 A	Receptacles - RM A104	14
15	Receptacles - RM A105	20 A	1			1170	1350			1	20 A	Receptacles - RM A107	16
17	Receptacles - RM A106	20 A	1					1530	900	1	20 A	Receptacles - RM A108	18
19	Receptacles - RM A109 & A111	20 A	1	1530	1080					1	20 A	Receptacles - RM A115	20
21	Under Counter Refrigerator - RM A115	20 A	1			600	1500			1	20 A	Copier - RM A115	22
23	Receptacles - RM A116, A117	20 A	1					900	1080	1	20 A	Receptacles - RM A116, A118	24
25	Ice Machine - RM A116	20 A	1	180	1000					1	20 A	Refrigerator - RM A116	26
27	Receptacles - RM A119, A120	20 A	1			1080	0			1	20 A	Spare	28
29	Receptacles - RM A121	20 A	1					1080	900	1	20 A	Receptacles - RM A121	30
31	Receptacles - RM A121	20 A	1	1080	0					1	20 A	VAVs - Unit A	32
33	Raceway - RM A121	20 A	1			960	1170			1	20 A	Receptacles - RM A113	34
35	Raceway - RM A121	20 A	1					960	900	1	20 A	Receptacles - RM A122	36
37	Receptacles - RM A122	20 A	1	720	1440					1	20 A	Receptacles - RM A123, A140	38
39	Receptacles - RM A123	20 A	1			1170	900			1	20 A	Receptacles - RM A124	40
41	Receptacles - RM A125	20 A	1					900	1080	1	20 A	Receptacles - RM A126	42
43	Receptacles - RM A126	20 A	1	540	1080					1	20 A	Receptacles - RM A128	44
45	Receptacles - RM A128	20 A	1			900	900			1	20 A	Receptacles - RM A128	46
47	Receptacles - RM A128	20 A	1					1260	720	1	20 A	Receptacles - RM A128	48
49	Receptacles - RM A128	20 A	1	720	3174					1	20 A	Operable Shades - RM A128	50
51	Floor Box - RM A128	20 A	1			720	720			1	20 A	Floor Box - RM A128	52
53	Receptacles - RM A129	20 A	1					1080	180	1	20 A	KILN VENT HOOD RM A138	54
55	Spare	20 A	1	0	0					1	20 A	Spare	56
57	Spare	20 A	1			0	0			1	20 A	Spare	58
59	Spare	20 A	1					0	0	1	20 A	Spare	60
			Total Load:	18561 VA		16247 VA		16710 VA					
			Total Amps:	155 A		135 A		140 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	5428 VA	107.31%	5825 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	51518 VA
Receptacle	45090 VA	61.09%	27545 VA	**Total Est. Demand:**	33870 VA
Kitchen Equipment	1000 VA	50.00%	500 VA	**Total Conn.:**	143 A
				Total Est. Demand:	94 A

Notes:

Branch Panel: 1AL2

Location: A201 | Supply From: T-A1 | Mounting: Surface | Enclosure: Type 1
Volts: 208/120 Wye | Phases: 3 | Wires: 4
A.I.C. Rating: 10,000 | Mains Type: MCB | Mains Rating: 200 A | MCB Rating: 200A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	VAVs - Unit A	20 A	1	0	400					1	20 A	CUH-A1 RM A104, CUH-A2 RM A137	2
3	EF-A1 - RM A105, EF-A2 - RM A137	20 A	1			1230	1080			1	20 A	Receptacles - RM A136	4
5	Receptacles - RM A136	20 A	1					1260	180	1	20 A	Sound Rack - RM A136	6
7	Receptacles - RM A134, A135	20 A	1	1440	1080					1	20 A	Receptacles - RM A134	8
9	Copier - RM A134	20 A	1			1500	1260			1	20 A	Receptacles - RM A139	10
11	Receptacles - RM A139	20 A	1					1080	1080	1	20 A	Receptacles - RM A130	12
13	Refrigerator - RM A130	20 A	1	1000	500					1	20 A	Range Hood - RM A130	14
15	Range - RM A130	50 A	2			2500	1080			1	20 A	Receptacles - RM A130	16
17	--	--	--					2500	900	1	20 A	Receptacles - RM A130	18
19	Receptacles - Mezzanine A201	20 A	1	1080	300					1	20 A	PUH-A1 & PUH-A2 - Mezzanine A201	20
21	AHU Lts & Recepts - Mezzanine A201	20 A	1			360	360			1	20 A	AHU Lts & Recepts - Mezzanine A201	22
23	AHU Lts & Recepts - Mezzanine A201	20 A	1					360	360	1	20 A	Receptacle	24
25	Spare	20 A	1	0	0					1	20 A	Spare	26
27	Spare	20 A	1			0	0			1	20 A	Spare	28
29	Spare	20 A	1					0	0	1	20 A	Spare	30
31	Spare	20 A	1	0	0					1	20 A	Spare	32
33	Spare	20 A	1			0	0			1	20 A	Spare	34
35	Spare	20 A	1					0	0	1	20 A	Spare	36
37	Spare	20 A	1	0	0					1	20 A	Spare	38
39	Spare	20 A	1			0	0			1	20 A	Spare	40
41	Spare	20 A	1					0	0	1	20 A	Spare	42
			Total Load:	5800 VA		9370 VA		7720 VA					
			Total Amps:	48 A		81 A		67 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	1930 VA	107.97%	2084 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	22890 VA
HVAC	0 VA	0.00%	0 VA	**Total Est. Demand:**	17564 VA
Receptacle	19960 VA	75.05%	14980 VA	**Total Conn.:**	64 A
Kitchen Equipment	1000 VA	50.00%	500 VA	**Total Est. Demand:**	49 A

Notes:

Branch Panel: 1BL1

Location: B113 | Supply From: DPL-B1 | Mounting: Surface | Enclosure: Type 1
Volts: 208/120 Wye | Phases: 3 | Wires: 4
A.I.C. Rating: 22,000 | Mains Type: MCB | Mains Rating: 200 A | MCB Rating: 200 A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Water Cooler - RM B102 (NOTE 1)	20 A	1	1200	900					1	20 A	Receptacles - RM B101, B102	2
3	Auto Door Operator - RM B102	20 A	1			1127	1127			1	20 A	Auto Door Operator - RM B101	4
5	CUH-B3 & CUH-B4 - RM B101	20 A	1					200	900	1	20 A	Receptacles - RM B102	6
7	Basketball Backstop Controller - RM B108	25 A	1	1900	180					1	20 A	Receptacle - Future Scoreboard RM B108	8
9	Basketball Backstop Controller - RM B108	25 A	1			1900	1080			1	20 A	Receptacles - RM B108	10
11	Receptacles - RM B108	20 A	1					900	4800	3	60 A	Bleachers - RM B108	12
13	Receptacles - RM B108	20 A	1	720	4800					--	--	--	14
15	Receptacles - RM B109	20 A	1			900	4800			--	--	--	16
17	Receptacles - RM B110, B111	20 A	1					900	0	1	20 A	Spare	18
19	Overhead Door - RM B111	20 A	1	1127	1080					1	20 A	Receptacles - RM B103	20
21	Receptacles - RM B103	20 A	1			720	0			1	20 A	Spare	22
23	Receptacles - RM B115	20 A	1					1080	720	1	20 A	Receptacles - RM B103	24
25	Water Cooler - RM B103 (NOTE 1)	20 A	1	600	1080					1	20 A	Receptacles - RM B104. B105	26
27	Receptacles - RM B105-B107, B127	20 A	1			1080	1127			1	20 A	Projection Screen - RM B105	28
29	Projection Screen - RM B105	20 A	1					1127	0	1	20 A	Video Projector - RM B108	30
31	Sound Rack - RM B104	20 A	1	180	0					1	20 A	Spare	32
33	Spare	20 A	1			0	0			1	20 A	Spare	34
35	Spare	20 A	1					0	0	1	20 A	Spare	36
37	Spare	20 A	1	0	0					1	20 A	Spare	38
39	Spare	20 A	1			0	0			1	20 A	Spare	40
41	Spare	20 A	1					0	0	1	20 A	Spare	42
			Total Load:	13767 VA		13861 VA		10627 VA					
			Total Amps:	119 A		120 A		89 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	5835 VA	104.83%	6117 VA		
Other	14400 VA	100.00%	14400 VA	**Total Conn. Load:**	38255 VA
Receptacle - Convenience	180 VA	100.00%	180 VA	**Total Est. Demand:**	34617 VA
HVAC	0 VA	0.00%	0 VA	**Total Conn.:**	106 A
Receptacle	17840 VA	78.03%	13920 VA	**Total Est. Demand:**	96 A

Notes:
NOTE 1: GFCI CIRCUIT BREAKER 5mA.

Branch Panel: 1CL1

Location: MEZZANINE C201 | Supply From: T-C1 | Mounting: Surface | Enclosure: Type 1
Volts: 208/120 Wye | Phases: 3 | Wires: 4
A.I.C. Rating: 10,000 | Mains Type: MCB | Mains Rating: 200 A | MCB Rating: 200A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Receptacles - RM C103	20 A	1	1080	900					1	20 A	Receptacles - RM C103	2
3	Receptacles - RM C103	20 A	1			900	960			1	20 A	Raceway - RM C103	4
5	Receptacles - RM C104	20 A	1					1080	960	1	20 A	Raceway - RM C103	6
7	Receptacles - RM C104	20 A	1	900	900					1	20 A	Receptacles - RM C104	8
9	Receptacle CLASSROOM C104	20 A	1			960	1080			1	20 A	Receptacles - RM C105	10
11	Receptacle CLASSROOM C104	20 A	1					960	900	1	20 A	Receptacles - RM C105	12
13	Receptacles - RM C105	20 A	1	900	960					1	20 A	Raceway - RM C105	14
15	Receptacles - RM C106	20 A	1			1080	960			1	20 A	Raceway - RM C105	16
17	Receptacles - RM C106	20 A	1					900	900	1	20 A	Receptacles - RM C106	18
19	Raceway - RM C106	20 A	1	960	1080					1	20 A	Receptacles - RM C107	20
21	Raceway - RM C106	20 A	1			960	900			1	20 A	Receptacles - RM C107	22
23	Receptacles - RM C107	20 A	1					900	960	1	20 A	Raceway - RM C107	24
25	Receptacles - RM C110	20 A	1	1080	960					1	20 A	Raceway - RM C107	26
27	Receptacles - RM C110	20 A	1			900	720			1	20 A	Receptacles - RM C110	28
29	Raceway - RM C110	20 A	1					960	1080	1	20 A	Receptacles - RM C111	30
31	Raceway - RM C110	20 A	1	960	900					1	20 A	Receptacles - RM C111	32
33	Receptacles - RM C111, C112	20 A	1			1080	1080			1	20 A	Receptacles - RM C112	34
35	Raceway - RM C111	20 A	1					960	1080	1	20 A	Receptacles - RM C112	36
37	Raceway - RM C111	20 A	1	960	960					1	20 A	Raceway - RM C112	38
39	Receptacles - RM C113	20 A	1			1080	960			1	20 A	Raceway - RM C112	40
41	Receptacles - RM C113	20 A	1					900	900	1	20 A	Receptacles - RM C113	42
43	Raceway - RM C113	20 A	1	960	1080					1	20 A	Receptacles - RM C114	44
45	Raceway - RM C113	20 A	1			960	900			1	20 A	Receptacles - RM C114	46
47	Receptacles - RM C114	20 A	1					900	960	1	20 A	Raceway - RM C114	48
49	Receptacles - RM C115	20 A	1	1080	960					1	20 A	Raceway - RM C114	50
51	Receptacles - RM C115	20 A	1			900	900			1	20 A	Receptacles - RM C115	52
53	Receptacle CLASSROOM C115	20 A	1					960	0	1	20 A	Spare	54
55	Receptacle CLASSROOM C115	20 A	1	960	0					1	20 A	Spare	56
57	Spare	20 A	1			0	0			1	20 A	Spare	58
59	Spare	20 A	1					0	0	1	20 A	Spare	60
			Total Load:	18540 VA		17280 VA		16260 VA					
			Total Amps:	156 A		145 A		136 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	52080 VA	59.60%	31040 VA		
				Total Conn. Load:	52080 VA
				Total Est. Demand:	31040 VA
				Total Conn.:	145 A
				Total Est. Demand:	86 A

Notes:

Branch Panel: 1CL2

Location: MEZZANINE C201 | Supply From: T-C1 | Mounting: Surface | Enclosure: Type 1
Volts: 208/120 Wye | Phases: 3 | Wires: 4
A.I.C. Rating: 10,000 | Mains Type: MCB | Mains Rating: 200 A | MCB Rating: 200A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	VAVs - Unit C	20 A	1	0	0					1	20 A	VAVs - Unit C	2
3	Receptacles - RM C116	20 A	1			1080	1080			1	20 A	Receptacles - RM C116	4
5	Receptacles - RM C116	20 A	1					900	960	1	20 A	Raceway - RM C116	6
7	Range Hood - RM C116 C201	20 A	1	0	960					1	20 A	Raceway - RM C116	8
9	Refrigerator - RM C116	20 A	1			1000	5000			2	20 A	Range - RM C116	10
11	Receptacles - RM C102	20 A	1					1080	5000	--	--	--	12
13	Receptacles - RM C102	20 A	1	1260	960					1	20 A	Raceway - RM C102	14
15	Receptacles - RM C101, C119-C123	20 A	1			1260	960			1	20 A	Raceway - RM C102	16
17	EF-C1 - RM C119 & CUH-C1 - RM C109	20 A	1					300	1080	1	20 A	Receptacles - RM C125-C128, C130-C133	18
19	Receptacles - RM C124A	20 A	1	720	720					1	20 A	Receptacles - RM C124B	20
21	Receptacles - RM C108, C121, C122	20 A	1			1080	720			1	20 A	Receptacles - RM C120	22
23	Receptacles - RM C129	20 A	1					1080	1500	1	20 A	Copier - RM C129	24
25	Water Cooler - RM C121 (NOTE 1)	20 A	1	600	600					1	20 A	Under Counter Refrigerator - RM C129	26
27	Receptacles - Mezzanine C201	20 A	1			1080	150			1	20 A	PUH-C1 - Mezzanine C201	28
29	AHU Lts & Recepts - Mezzanine C201	20 A	1					0	0	1	20 A	Spare	30
31	Spare	20 A	1	0	0					1	20 A	Spare	32
33	Spare	20 A	1			0	0			1	20 A	Spare	34
35	Spare	20 A	1					0	0	1	20 A	Spare	36
37	Spare	20 A	1	0	0					1	20 A	Spare	38
39	Spare	20 A	1			0	0			1	20 A	Spare	40
41	Spare	20 A	1					0	0	1	20 A	Spare	42
			Total Load:	5820 VA		13410 VA		11900 VA					
			Total Amps:	49 A		120 A		107 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	450 VA	108.33%	488 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	31130 VA
Receptacle	19680 VA	75.41%	14840 VA	**Total Est. Demand:**	22828 VA
Kitchen Equipment	1000 VA	50.00%	500 VA	**Total Conn.:**	86 A
Receptacle - Range	10000 VA	70.00%	7000 VA	**Total Est. Demand:**	63 A

Notes:
NOTE 1: GFCI CIRCUIT BREAKER 5mA.

Branch Panel: 1BL2

Location: MECHANICAL B112 | Supply From: DPL-B1 | Mounting: SURFACE B112 | Enclosure: NEMA 1
Volts: 208/120 Wye | Phases: 3 | Wires: 4
A.I.C. Rating: 22,000 | Mains Type: MCB | Mains Rating: 200 A | MCB Rating: 200A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	CKT
1	VAVs - Unit B	20 A	1	0	350					1	20 A	PUH-B1 - RM B111, FCU-B111 - RM. B110	2
3	EF-B8 - RM B103	20 A	1			615	0			1	20 A	VAVs - Kitchen	4
5	CUH-B1, CUH-B2, EF-B1 - RM B128	20 A	1					815	850	1	20 A	EF-B2 - RM B128	6
7	Receptacles - RM B125, B128	20 A	1	1080	900					1	20 A	Receptacles - Mezzanine B201	8
9	AHU Lts & Recepts - Mezzanine B201	20 A	1			360	490			1	20 A	CCP-B1 & CCP-B2 - Mezzanine B201	10
11	EF-B3 & PUH-B5 - Mezzanine B201	20 A	1					350	1260	1	20 A	Receptacles - RM B113, B126	12
13	Receptacles - RM B112	20 A	1	1260	1200					1	20 A	Washing Machine - RM B112	14
15	Dryer - RM B112	30 A	2			2200	350			1	20 A	PUH-B2 & PUH-B3 - RM B112	16
17	--	--	--					2200	0	1	20 A	Spare	18
19	EF-B6 & EF-B7 - RM B112	20 A	1	1230	1500					1	20 A	Heat Trace Chiller CHLR-1	20
21	Heat Trace Chiller CHLR-1	20 A	1			1500	1500			1	20 A	Generator Block Heater	22
23	Generator Battery Heater	20 A	1					1500	0	1	20 A	Spare	24
25	DWH-1 - RM B112	20 A	1	450	450					1	20 A	DWH-2 - RM B112	26
27	DWH-3 - RM B112	20 A	1			450	450			1	20 A	DWH-4 - B112	28
29	DWH-5 - RM B112	20 A	1					450	448	1	20 A	HWRP-1 - RM B112	30
31	HWRP-2 - RM B112	20 A	1	448	180					1	20 A	DWS-1 - RM B112	32
33	Spare	20 A	1			0	0			1	20 A	Spare	34
35	Spare	20 A	1					0	0	1	20 A	Spare	36
37	Spare	20 A	1	0	0					1	20 A	Spare	38
39	Spare	20 A	1			0	0			1	20 A	Spare	40
41	Spare	20 A	1					0	0	1	20 A	Spare	42
			Total Load:	9048 VA		7915 VA		7873 VA					
			Total Amps:	75 A		66 A		66 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	5946 VA	103.57%	6159 VA		
Other	2430 VA	100.00%	2430 VA	**Total Conn. Load:**	24836 VA
HVAC	0 VA	0.00%	0 VA	**Total Est. Demand:**	21939 VA
Receptacle	15260 VA	82.77%	12630 VA	**Total Conn.:**	69 A
Washing Machine	1200 VA	60.00%	720 VA	**Total Est. Demand:**	61 A

Notes:

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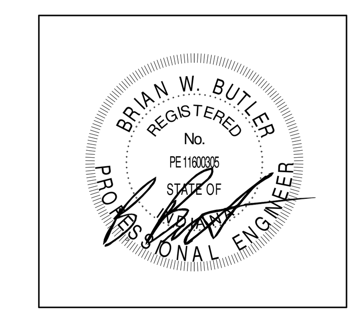
CONSTRUCTION DOCUMENTS



PROJECT MANAGER: CT
DRAWN BY: MMS
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	06.19.2020
2	ADDENDUM #2	06.29.2020

PANELBOARD SCHEDULES

E8.03

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Branch Panel: 1DL1

Location: D201
Supply From: T-D1
Mounting: Surface
Enclosure: Type 1
Volts: 208/120 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 10,000
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	Receptacles - RM D102	20 A	1	1080 900			1	20 A	Receptacles - RM D102	2
3	Receptacles - RM D102	20 A	1		900 960		1	20 A	Raceway - RM D102	4
5	Receptacles - RM D103	20 A	1			1080 960	1	20 A	Raceway - RM D102	6
7	Receptacles - RM D103	20 A	1	900 900			1	20 A	Receptacles - RM D103	8
9	Receptacles - RM D104	20 A	1		1080 900		1	20 A	Receptacles - RM D104	10
11	Receptacles - RM D104	20 A	1			900 960	1	20 A	Receptacle CLASSROOM D104	12
13	Receptacles - RM D105	20 A	1	1080 960			1	20 A	Receptacle CLASSROOM D104	14
15	Receptacles - RM D105	20 A	1		900 900		1	20 A	Receptacles - RM D105	16
17	Raceway - RM D105	20 A	1			960 1080	1	20 A	Receptacles - RM D106	18
19	Raceway - RM D105	20 A	1	960 900			1	20 A	Receptacles - RM D106	20
21	Receptacles - RM D106	20 A	1		900 960		1	20 A	Raceway - RM D106	22
23	Receptacles - RM D109	20 A	1			1080 960	1	20 A	Raceway - RM D106	24
25	Receptacles - RM D109	20 A	1	900 720			1	20 A	Receptacles - RM D109	26
27	Raceway - RM D109	20 A	1		960 1080		1	20 A	Receptacles - RM D110	28
29	Raceway - RM D109	20 A	1			960 1080	1	20 A	Receptacles - RM D110	30
31	Receptacles - RM D110, D111	20 A	1	900 1080			1	20 A	Receptacles - RM D111	32
33	Receptacles - RM D111	20 A	1		1080 960		1	20 A	Raceway - RM D110	34
35	Raceway - RM D111	20 A	1			960 960	1	20 A	Raceway - RM D110	36
37	Raceway - RM D111	20 A	1	960 1080			1	20 A	Receptacles - RM D112	38
39	Receptacles - RM D112	20 A	1		900 720		1	20 A	Receptacles - RM D112	40
41	Raceway - RM D112	20 A	1			960 1080	1	20 A	Receptacles - RM D113	42
43	Raceway - RM D112	20 A	1	960 900			1	20 A	Receptacles - RM D113	44
45	Receptacles - RM D113	20 A	1		900 960		1	20 A	Raceway - RM D113	46
47	Receptacles - RM D114	20 A	1			1080 960	1	20 A	Raceway - RM D113	48
49	Receptacles - RM D114	20 A	1	900 900			1	20 A	Receptacles - RM D114	50
51	Raceway - RM D114	20 A	1		960 960		1	20 A	Raceway - RM D103	52
53	Raceway - RM D114	20 A	1			960 960	1	20 A	Raceway - RM D103	54
55	Spare	20 A	1	0 0			1	20 A	Spare	56
57	Spare	20 A	1		0 0		1	20 A	Spare	58
59	Spare	20 A	1			0 0	1	20 A	Spare	60
		Total Load:		16980 VA	16980 VA	17940 VA				
		Total Amps:		142 A	142 A	150 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	51900 VA	59.63%	30950 VA		
				Total Conn. Load:	51900 VA
				Total Est. Demand:	30950 VA
				Total Conn.:	144 A
				Total Est. Demand:	86 A

Notes:

Branch Panel: 1DL2

Location: D201
Supply From: T-D1
Mounting: Surface
Enclosure: Type 1
Volts: 208/120 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 10,000
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	CKT
1	VAVs - Unit D	20 A	1	0 0			1	20 A	VAVs - Unit D	2
3	Receptacles - D115, D116, D118, D119	20 A	1		1080 200		1	20 A	CUH-D1 - RM D108 & EF-D1 - RM D115	4
5	Receptacles - RM D121-D124, D126-D129	20 A	1			1080 1080	1	20 A	Receptacles - D107, D116, D117	6
7	Receptacles - RM D118	20 A	1	720 720			1	20 A	Receptacles - RM D120A	8
9	Receptacles - RM D120B	20 A	1		720 1080		1	20 A	Receptacles - RM D125	10
11	Under Counter Refrigerator - RM D125	20 A	1			600 1500	1	20 A	Copier - RM D125	12
13	Water Cooler - RM D117 (NOTE 1)	20 A	1	600 1080			1	20 A	Receptacles - Mezzanine D201	14
15	PUH-D1 - Mezzanine D201	20 A	1		150 180		1	20 A	AHU Lts & Recepts - Mezzanine D201	16
17	Spare	20 A	1			0 0	1	20 A	Spare	18
19	Spare	20 A	1	0 0			1	20 A	Spare	20
21	Spare	20 A	1		0 0		1	20 A	Spare	22
23	Spare	20 A	1			0 0	1	20 A	Spare	24
25	Spare	20 A	1	0 0			1	20 A	Spare	26
27	Spare	20 A	1		0 0		1	20 A	Spare	28
29	Spare	20 A	1			0 0	1	20 A	Spare	30
31	Spare	20 A	1	0 0			1	20 A	Spare	32
33	Spare	20 A	1		0 0		1	20 A	Spare	34
35	Spare	20 A	1			0 0	1	20 A	Spare	36
37	Spare	20 A	1	0 0			1	20 A	Spare	38
39	Spare	20 A	1		0 0		1	20 A	Spare	40
41	Spare	20 A	1			0 0	1	20 A	Spare	42
		Total Load:		3120 VA	3410 VA	4260 VA				
		Total Amps:		26 A	29 A	36 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	350 VA	110.71%	388 VA		
Other	180 VA	100.00%	180 VA	**Total Conn. Load:**	10790 VA
HVAC	0 VA	0.00%	0 VA	**Total Est. Demand:**	10698 VA
Receptacle	10260 VA	98.73%	10130 VA	**Total Conn.:**	30 A
				Total Est. Demand:	30 A

Notes:
NOTE 1: GFCI CIRCUIT BREAKER 5mA.

Branch Panel: 1EL1

Location: E201
Supply From: T-E1
Mounting: Surface
Enclosure: Type 1
Volts: 208/120 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 10,000
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	Receptacles - RM E103	20 A	1	1080 1080			1	20 A	Receptacles - RM E103	2
3	Receptacles - RM E103	20 A	1		900 960		1	20 A	Raceway - RM E103	4
5	Receptacles - RM E106	20 A	1			1080 960	1	20 A	Raceway - RM E103	6
7	Receptacles - RM E106	20 A	1	1080 720			1	20 A	Raceway - RM E106	8
9	Receptacles - RM E106, E107	20 A	1		1080 1080		1	20 A	Receptacles - RM E107	10
11	Receptacles - RM E107	20 A	1			900 720	1	20 A	Raceway - RM E107	12
13	Receptacles - RM E110	20 A	1	1080 900			1	20 A	Receptacles - RM E110	14
15	Receptacles - RM E110	20 A	1		900 960		1	20 A	Raceway - RM E110	16
17	Receptacles - RM E111	20 A	1			1080 960	1	20 A	Raceway - RM E110	18
19	Receptacles - RM E111	20 A	1	1080 1080			1	20 A	Receptacles - RM E111	20
21	Raceway - RM E111	20 A	1		720 1080		1	20 A	Receptacles - RM E114	22
23	Receptacles - RM E114	20 A	1			900 1080	1	20 A	Receptacles - RM E114	24
25	Raceway - RM E114	20 A	1	720 1080			1	20 A	Receptacles - RM E116	26
27	Receptacles - RM E116	20 A	1		1080 900		1	20 A	Receptacles - RM E116	28
29	Raceway - RM E116	20 A	1			960 1080	1	20 A	Receptacles - RM E119	30
31	Raceway - RM E116	20 A	1	960 900			1	20 A	Receptacles - RM E119	32
33	Receptacles - RM E119	20 A	1		900 960		1	20 A	Raceway - RM E119	34
35	Receptacles - RM E122	20 A	1			1080 960	1	20 A	Raceway - RM E119	36
37	Receptacles - RM E122	20 A	1	900 1080			1	20 A	Receptacles - RM E122	38
39	Raceway - RM E123	20 A	1		960 1080		1	20 A	Receptacles - RM E123	40
41	Raceway - RM E123	20 A	1			960 1080	1	20 A	Receptacles - RM E123	42
43	Receptacles - RM E123	20 A	1	900 1000			1	20 A	Raceway - RM E122	44
45	Receptacles - RM E126	20 A	1		1080 1000		1	20 A	Raceway - RM E122	46
47	Receptacles - RM E126	20 A	1			1080 1260	1	20 A	Receptacles - RM E126	48
49	Raceway - RM E126	20 A	1	720 0			1	20 A	Spare	50
51	Spare	20 A	1		0 0		1	20 A	Spare	52
53	Spare	20 A	1			0 0	1	20 A	Spare	54
55	Spare	20 A	1	0 0			1	20 A	Spare	56
57	Spare	20 A	1		0 0		1	20 A	Spare	58
59	Spare	20 A	1			0 0	1	20 A	Spare	60
		Total Load:		16360 VA	15640 VA	16140 VA				
		Total Amps:		137 A	130 A	135 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	48140 VA	60.39%	29070 VA		
				Total Conn. Load:	48140 VA
				Total Est. Demand:	29070 VA
				Total Conn.:	134 A
				Total Est. Demand:	81 A

Notes:

Branch Panel: 1EL2

Location: E201
Supply From: T-E1
Mounting: Surface
Enclosure: Type 1
Volts: 208/120 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 10,000
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	CKT
1	VAVs - Unit E	20 A	1	0 0			1	20 A	VAVs - Unit E	2
3	Receptacles - RM E101,E102,E128,E144-E146	20 A	1		1080 350		1	20 A	CUH-E1 - CUH-E3 - RM E118, E144, E146	4
5	EF-E3 - RM E144	20 A	1			850 615	1	20 A	EF-E1 - RM E144	6
7	Receptacles - RM E127	20 A	1	1080 900			1	20 A	Receptacles - RM E127	8
9	Receptacles - RM E127	20 A	1		900 1000		1	20 A	Vending Machine - RM E127 (NOTE 2)	10
11	Vending Machine - RM E127 (NOTE 2)	20 A	1			1000 1000	1	20 A	Refrigerator - RM E127	12
13	Microwave - RM E127	20 A	1	1500 1500			1	20 A	Microwave - RM E127	14
15	Receptacles - RM E129, E130, E132, E133	20 A	1		1080 1260		1	20 A	Receptacles - RM E117, E131, E132, E140	16
17	Receptacles - RM E130, E136-E138	20 A	1			1260 540	1	20 A	Receptacles - RM 141	18
19	Receptacles - RM E142	20 A	1	900 720			1	20 A	Receptacles - RM E134A	20
21	Receptacles - RM E134B	20 A	1		720 150		1	20 A	EF-E3 - RM E129	22
23	Receptacles - RM E139	20 A	1			1080 1500	1	20 A	Copier - RM E139	24
25	Under Counter Refrigerator - RM E139	20 A	1	600 600			1	20 A	Water Cooler - RM E131 (NOTE 1)	26
27	Receptacles - Mezzanine E201	20 A	1		1080 150		1	20 A	PUH-E1 - Mezzanine E201	28
29	AHU Lts & Recepts - Mezzanine E201	20 A	1			0 0	1	20 A	Spare	30
31	Spare	20 A	1	0 0			1	20 A	Spare	32
33	Spare	20 A	1		0 0		1	20 A	Spare	34
35	Spare	20 A	1			0 0	1	20 A	Spare	36
37	Spare	20 A	1	0 0			1	20 A	Spare	38
39	Spare	20 A	1		0 0		1	20 A	Spare	40
41	Spare	20 A	1			0 0	1	20 A	Spare	42
		Total Load:		7800 VA	7770 VA	7845 VA				
		Total Amps:		65 A	65 A	65 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	2115 VA	110.05%	2328 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	23415 VA
HVAC	0 VA	0.00%	0 VA	**Total Est. Demand:**	17978 VA
Receptacle	20300 VA	74.63%	15150 VA	**Total Conn.:**	65 A
Kitchen Equipment	1000 VA	50.00%	500 VA	**Total Est. Demand:**	50 A

Notes:
NOTE 1: GFCI CIRCUIT BREAKER 5mA.
NOTE 2: GFCI CIRCUIT BREAKER 30mA.

Branch Panel: FSL1

Location: B120
Supply From: DPL-B1
Mounting: Recessed
Enclosure: Type 1
Volts: 208/120 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	CKT
1	Fly Fan - RM B120	20 A	3	1500 1411			3	20 A	Ventilation System Supply Fan - RM B117	2
3	--	--	--		1500 1411		--	--	--	4
5	--	--	--			1500 1411	--	--	--	6
7	Ventilation System Exhaust Fan - RM B117	20 A	3	1411 1080			1	20 A	Receptacles - RM B118	8
9	--	--	--		1411 900		1	20 A	Receptacles - RM B119-B122	10
11	--	--	--			1411 1080	1	20 A	Receptacles - RM B123	12
13				180			1	20 A	Two Way Radio - RM B123	14
15	Washing Machine - RM B122	20 A	1		1200 2200		2	30 A	Dryer - RM B122	16
17	Dock Lift	30 A	3			1939 2200	--	--	--	18
19	--	--	--	1939 200			1	20 A	Doorbell - RM B117	20
21	--	--	--		1939 540		1	20 A	Receptacles - RM B115, B120	22
23	Dishwasher Exhaust Fan - RM B115	20 A	1			1587 900	1	20 A	Receptacles - RM B116	24
25	Receptacles - RM B117	20 A	1	720 720			1	20 A	Island Work Table - RM B117	26
27	Island Work Table - RM B117	30 A	2		360 720		1	20 A	Island Work Table - RM B117	28
29	--	--	--			360 360	2	30 A	Island Work Table - RM B117	30
31	Hot Food Pass Thru - RM B117	20 A	2	180 360			--	--	--	32
33	--	--	--		180 180		1	20 A	Back Table - RM B117	34
35	Cold Food Pass Thru - RM B117	20 A	1			180 0	1	20 A	Spare	36
37	Spare	20 A	1	0 0			1	20 A	Spare	38
39	Spare	20 A	1		0 0		1	20 A	Spare	40
41	Spare	20 A	1			0 0	1	20 A	Spare	42
		Total Load:		9700 VA	12540 VA	12927 VA				
		Total Amps:		81 A	108 A	111 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	20368 VA	107.14%	21822 VA		
Receptacle - Convenience	180 VA	100.00%	180 VA	**Total Conn. Load:**	35168 VA
Receptacle	13420 VA	87.26%	11710 VA	**Total Est. Demand:**	34432 VA
Washing Machine	1200 VA	60.00%	720 VA	**Total Conn.:**	98 A
				Total Est. Demand:	96 A

Notes:

Branch Panel: FSL2

Location: B120
Supply From: DPL-B1
Mounting: Recessed
Enclosure: Type 1
Volts: 208/120 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	CKT
1	Cash Register - RM B116	20 A	1	180 1000			1	20 A	Milk Cooler - RM B116	2
3	Milk Cooler - RM B116	20 A	1		1000 500		1	20 A	Ventilation System Lights - RM B117	4
5	Ice Machine - RM B117	20 A	1			180 0	1	20 A	Spare	6
7	Spare	20 A	1	0 1664			2	20 A	Microwave - RM B117	8
9	Spare	20 A	1		0 1664		--	--	--	10
11	Frost Top Module - RM B116	20 A	1			180 1664	2	20 A	Hot Food Module - RM B116	12
13	Utility Top Module - RM B116	20 A	1	180 1664			--	--	--	14
15	Cold Food Module - RM B116	20 A	1		180 180		1	20 A	Cold Food Module - RM B116	16
17	Lavatory - RM B117	20 A	1			600 4160	2	50 A	Receptacle KITCHEN-1 B117-1	18
19	Hot Water Dispenser - RM B117	30 A	3	2773 4160			--	--	--	20
21	--	--	--		2773 4160		2	50 A	Receptacle KITCHEN-1 B117-1	22
23	--	--	--			2773 4160	--	--	--	24
25	Fire Control System - RM B117	20 A	1	0 0			1	20 A	Spare	26
27	BLAST CHILLER - RM B117	20 A	1		180 0		1	20 A	Spare	28
29	Spare	20 A	1			0 0	1	20 A	Spare	30
31	Spare	20 A	1	0 0			1	20 A	Spare	32
33	Spare	20 A	1		0 0		1	20 A	Spare	34
35	Spare	20 A	1			0 0	1	20 A	Spare	36
37	Spare	20 A	1	0 0			1	20 A	Spare	38
39	Spare	20 A	1		0 0		1	20 A	Spare	40
41	Spare	20 A	1			0 0	1	20 A	Spare	42
		Total Load:		11621 VA	10637 VA	13717 VA				
		Total Amps:		98 A	89 A	116 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	500 VA	100.00%	500 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	35976 VA
Receptacle	35476 VA	64.09%	22738 VA	**Total Est. Demand:**	23238 VA
				Total Conn.:	100 A
				Total Est. Demand:	65 A

Notes:

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CONSTRUCTION DOCUMENTS

BRIAN W. BUTLER REGISTERED No. PE19900005 STATE OF IN PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: MMS
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	06.19.2020
2	ADDENDUM #2	06.29.2020

PANELBOARD SCHEDULES

E8.04

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Branch Panel: XBH1

Location: B126
Supply From: ATS #1
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 480/277 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 65,000 (2)
Mains Type: MLO
Mains Rating: 100 A
MCB Rating: 100 A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	CKT
1	Emergency & Exit Lighting - Unit A	20 A	1	0	746					1	20 A	Outdoor Security Lighting	2
3	Emergency & Exit Lighting - Unit B	20 A	1			0	0			1	20 A	Spare	4
5	Emergency & Exit Lighting - Unit C	20 A	1					0	0	1	20 A	Spare	6
7	Emergency & Exit Lighting - Unit D	20 A	1	0	0					1	20 A	Spare	8
9	Emergency & Exit Lighting - Unit E	20 A	1			0	0			1	20 A	Spare	10
11	Spare	20 A	1					0	0	1	20 A	Spare	12
13	Spare	20 A	1	0	0					1	20 A	Spare	14
15	Spare	20 A	1			0	0			1	20 A	Spare	16
17	Spare	20 A	1					0	0	1	20 A	Spare	18
19	Spare	20 A	1	0	500					3	20 A	Emergency Transformer T-X1 RM. B126	20
21	Spare	20 A	1			0	600			--	--	--	22
23	Spare	20 A	1					0	0	--	--	--	24
				Total Load:	1246 VA	600 VA		0 VA					
				Total Amps:	5 A	3 A		0 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	746 VA	100.00%	746 VA		
Other	600 VA	100.00%	600 VA	**Total Conn. Load:**	1846 VA
Receptacle	500 VA	100.00%	500 VA	**Total Est. Demand:**	1846 VA
				Total Conn.:	2 A
				Total Est. Demand:	2 A

Notes:

Branch Panel: SBH1

Location: B126
Supply From: ATS #2
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 480/277 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 65,000 (2)
Mains Type: MLO
Mains Rating: 60 A
MCB Rating: 60 A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	CKT
1	Standby Transformer T-SB1 - RM B126	40 A	3	13448	3878					3	30 A	HHWP-1 - RM B112	2
3	--	--	--			13263	3878			--	--	--	4
5	--	--	--					10828	3878	--	--	--	6
7	Boiler BLR-1 - RM B112	20 A	3	582	2605					3	20 A	CU-A1 - RM A201	8
9	--	--	--			582	2605			--	--	--	10
11	--	--	--					582	2605	--	--	--	12
13	CRU-A1 - RM A129	20 A	3	2411	0					1	20 A	Spare	14
15	--	--	--			2411	0			1	20 A	Spare	16
17	--	--	--					2411	0	1	20 A	Spare	18
19	Spare	20 A	1	0	0					1	20 A	Spare	20
21	Spare	20 A	1			0	0			1	20 A	Spare	22
23	Spare	20 A	1					0	0	1	20 A	Spare	24
				Total Load:	22924 VA	22739 VA		20304 VA					
				Total Amps:	84 A	83 A		73 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	42267 VA	106.88%	45177 VA		
Other	3400 VA	100.00%	3400 VA	**Total Conn. Load:**	65967 VA
Receptacle	20300 VA	74.63%	15150 VA	**Total Est. Demand:**	63727 VA
				Total Conn.:	79 A
				Total Est. Demand:	77 A

Notes:

Branch Panel: XBL1

Location: B126
Supply From: T-X1
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 208/120 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 22,000 (2)
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 60A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	CKT
1	Fire Alarm Panel - RM A129	20 A	1	500	0					1	20 A	Smoke Dampers - Unit B, A127, E126	2
3	FIRST RESPONDER AMPLIFIER - RM. B106	20 A	1			600	0			1	20 A	Spare	4
5	Spare	20 A	1					0	0	1	20 A	Spare	6
7	Spare	20 A	1	0	0					1	20 A	Spare	8
9	Spare	20 A	1			0	0			1	20 A	Spare	10
11	Spare	20 A	1					0	0	1	20 A	Spare	12
				Total Load:	500 VA	600 VA		0 VA					
				Total Amps:	5 A	6 A		0 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	600 VA	100.00%	600 VA		
Receptacle	500 VA	100.00%	500 VA	**Total Conn. Load:**	1100 VA
				Total Est. Demand:	1100 VA
				Total Conn.:	3 A
				Total Est. Demand:	3 A

Notes:

Branch Panel: SBL1

Location: B126
Supply From: T-SB1
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 208/120 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 22,000 (2)
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	CKT
1	MDF Backboard RM A129	20 A	1	1080	2000					1	30 A	MDF Rack - RM A129	2
3	MDF Rack - RM A129	20 A	1			180	2000			1	30 A	MDF Rack - RM A129	4
5	MDF Rack - RM A129	20 A	1					180	2000	1	30 A	MDF Rack - RM A129	6
7	MDF Rack - RM A129	20 A	1	180	2000					1	30 A	MDF Rack - RM A129	8
9	MDF Rack - RM A129	20 A	1			180	2000			1	30 A	IDF Rack - RM C123	10
11	IDF Rack - RM C123	20 A	1					180	1080	1	20 A	IDF Backboard - RM C123	12
13	IDF Rack - RM D119	30 A	1	2000	180					1	20 A	IDF Rack - RM D119	14
15	IDF Backboard - RM D119	20 A	1			1080	2000			1	30 A	IDF Rack - RM E133	16
17	IDF Rack - RM E133	20 A	1					180	1080	1	20 A	IDF Backboard - RM E133	18
19	Freezer Compressor	40 A	3	3879	529					3	40 A	Cooler Compressor	20
21	--	--	--			3879	529			--	--	--	22
23	--	--	--					3879	529	--	--	--	24
25	Walk-in Freezer Lights - RM B114	20 A	1	0	0					1	20 A	Walk-in Cooler Lights - RM B114	26
27	Walk-in Cooler Coil - RM B114	20 A	1			0	615			1	20 A	CONDENSATE PUMP - RM A129	28
29	Receptacle - RM A104, A106, A107	20 A	1					540	1000	1	20 A	Temperature Control Panels - RM B112	30
31	AHU CONTROL PANELS - RM A201	20 A	1	1600	0					1	20 A	AHU CONTROL PANEL - RM B201	32
33	AHU CONTROL PANEL - RM C201	20 A	1			400	400			1	20 A	AHU CONTROL PANEL - RM D201	34
35	AHU CONTROL PANEL - RM E201	20 A	1					0	180	1	20 A	Technology Rack Cabinet - RM. A104	36
37	Spare	20 A	1	0	0					1	20 A	Spare	38
39	Spare	20 A	1			0	0			1	20 A	Spare	40
41	Spare	20 A	1					0	0	1	20 A	Spare	42
				Total Load:	13448 VA	13263 VA		10828 VA					
				Total Amps:	115 A	114 A		90 A					

(2)

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	13840 VA	121.02%	16750 VA		
Other	3400 VA	100.00%	3400 VA	**Total Conn. Load:**	37540 VA
Receptacle	20300 VA	74.63%	15150 VA	**Total Est. Demand:**	35300 VA
				Total Conn.:	104 A
				Total Est. Demand:	98 A

Notes:

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CONSTRUCTION DOCUMENTS

BRIAN W. BUTLER REGISTERED No. PE10500 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: Author
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	06.19.2020
2	ADDENDUM #2	06.29.2020

PANELBOARD SCHEDULES

E8.05

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COMMUNICATIONS SYMBOLS LEGEND

SYMBOL	DESCRIPTION	WIRING DETAIL(S) UNLESS NOTED OTHERWISE
	COMMUNICATIONS OUTLET. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	4
W	WALL MOUNTED COMMUNICATIONS OUTLET. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	4
	MULTI CAPACITY FLOOR BOX. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	-
	POKE-THRU FLOOR BOX. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	-
VP	CEILING MOUNTED PROJECTOR. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	-
VP	WALL MOUNTED PROJECTOR. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	SEE AV WIRING DETAILS
W	CEILING MOUNTED WIRELESS ACCESS POINT. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED. PROVIDED BY OWNER.	2
W	WALL MOUNTED WIRELESS ACCESS POINT. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED. PROVIDED BY OWNER.	-
	CABLE TRAY	-
	LADDER TRAY	-
	CONDUIT SLEEVES BETWEEN WALLS	1
	2 (TW0) 4" CONDUIT SLEEVES BETWEEN FLOORS	-
	TELEPHONE TERMINATION BOARD	4 & 5/ T1.02
	TECHNOLOGY EQUIPMENT CABINET	T5.1 & T6.1
	2-POST TECHNOLOGY EQUIPMENT RACK	T5.1 & T6.1

INTERCOMMUNICATIONS AND PROGRAM SYSTEMS SYMBOLS LEGEND

SYMBOL	DESCRIPTION	WIRING DETAIL(S) UNLESS NOTED OTHERWISE
IC	CALL-IN SWITCH.	3/ T1.02
VC	VOLUME CONTROL	3/ T1.02
C	RECESSED CEILING SPEAKER	3/ T1.02
C VC	RECESSED CEILING SPEAKER - WITH VOLUME CONTROL	3/ T1.02
	WALL MOUNTED HORN SPEAKER	3/ T1.02
	INTERCOM SYSTEM MASTER CONSOLE STATION	3/ T1.02
	AM/FM ANTENNA	1/ T1.02
WR	WEATHER RADIO (REMOTE DESK INTERCOM CABINET)	3/ T1.02
C	SURFACE MOUNTED SPEAKER	3/ T1.02

AUDIO/VIDEO ACCESS CONTROL SYMBOLS LEGEND

SYMBOL	DESCRIPTION	WIRING DETAIL(S) UNLESS NOTED OTHERWISE
MI	MASTER INTERCOM	2/ T1.04
IC	INTERCOM BOX	2/ T1.04
WP	WEATHER PROOF COMMUNICATIONS OUTLET	-

PUBLIC ADDRESS AND MASS NOTIFICATION SYSTEMS

SYMBOL	DESCRIPTION	WIRING DETAIL(S) UNLESS NOTED OTHERWISE
	ANTENNA	1 & 2/ T1.05
S	CLASSROOM SOUND REINFORCEMENT SPEAKER - CEILING MOUNTED	-
S	SOUND REINFORCEMENT SPEAKER - CEILING MOUNTED	-
S	CLASSROOM SOUND REINFORCEMENT SPEAKER - WALL MOUNTED	-
S	WALL MOUNTED SPEAKER	-
	PRODUCTION INTERCOM	-
M	WALL MICROPHONE INPUT	1 & 2/ T1.05
M	CEILING MICROPHONE	1 & 2/ T1.05
S	MONITOR OUTPUT	-
	RECESSED JUNCTION BOX FOR SOUND SYSTEM	-
MA	WALL MOUNTED MICROPHONE/AUXILIARY INPUT	1 & 2/ T1.05

VIDEO SURVEILLANCE CAMERA SYMBOLS LEGEND

SYMBOL	DESCRIPTION	WIRING DETAIL(S) UNLESS NOTED OTHERWISE
CAM	CEILING MOUNTED VIDEO SURVEILLANCE CAMERA. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	6/ T1.02

VIDEO SURVEILLANCE CAMERA SYMBOLS LEGEND

SYMBOL	DESCRIPTION	WIRING DETAIL(S) UNLESS NOTED OTHERWISE
WP CAM	WALL MOUNTED WEATHERPROOF VIDEO SURVEILLANCE CAMERA. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	6/ T1.02
W CAM	WALL MOUNTED VIDEO SURVEILLANCE CAMERA. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	6/ T1.02

ACCESS CONTROL SYMBOLS LEGEND

SYMBOL	DESCRIPTION	WIRING DETAIL(S) UNLESS NOTED OTHERWISE
CR	CARD READER	3/ T1.04
EL	ELECTRONIC LATCH SET WITH ELECTRONIC POWER TRANSFER	3/ T1.04
	AUTOMATIC DOOR PUSHBUTTON	-
J	CEILING MOUNTED DOOR ACCESS CONTROLLER JUNCTION BOX. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	3/ T1.04
	PUSH TO RELEASE BUTTON	-
ADO	AUTOMATIC DOOR OPERATOR	3/ T1.04

INTRUSION DETECTION SYMBOLS LEGEND

SYMBOL	DESCRIPTION	WIRING DETAIL(S) UNLESS NOTED OTHERWISE
DC	DOOR CONTACT ROUGH-IN	3/ T1.04

CLOCK SYMBOLS LEGEND

SYMBOL	DESCRIPTION	WIRING DETAIL(S) UNLESS NOTED OTHERWISE
	WALL MOUNTED CLOCK	2
DF	WALL MOUNTED DUAL-FACED CLOCK	2
WG	WALL MOUNTED WITH WIRE GUARD CLOCK	2

TECHNOLOGY GENERAL NOTES

A THE COMMUNICATIONS CABLING CONTRACTOR(S) IS/ARE RESPONSIBLE FOR ANY ADDITIONAL CONDUIT SLEEVES, OUTLET/JUNCTION BOXES, SURFACE RACEWAY, CABLE TRAY, DOUBLE GANG SQUARE PLASTER MUD RINGS, ETC.

B THE COMMUNICATIONS CABLING CONTRACTOR(S) IS/ARE RESPONSIBLE FOR EXTENDING THE ELECTRICAL SERVICE FROM THE ELECTRICAL JUNCTION BOX IN THE SPACE TO ALL THE COMMUNICATIONS RACKS/CABINETS.

C THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR REPLACING/REPAIRING DAMAGED CEILING GRID/TILE AS A RESULT OF THEIR INSTALLATION.

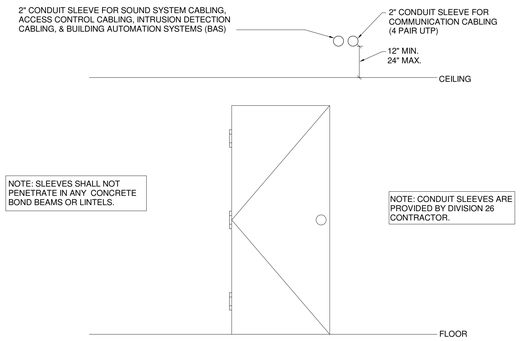
D THE CONTRACTOR SHALL VERIFY THE SURFACE RACEWAY LOCATIONS, ROUTING, OPENINGS, ETC. WITH THE BUILDING ELECTRICAL CONTRACTOR. PROVIDE PROPER COVER PLATES FOR THE DEVICES AS REQUIRED.

E THE COMMUNICATIONS CABLING CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF THE VIDEO PROJECTOR WITH THE AUDIO/VIDEO EQUIPMENT CONTRACTOR AND ELECTRICAL CONTRACTOR.

TECHNOLOGY ABBREVIATIONS

ABBREVIATIONS USED ON DRAWINGS IN GENERAL ARE LISTED BELOW.

AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
B	BLANK
C	CONDUIT
CATV	CABLE ANTENNA TELEVISION
J	JUNCTION BOX
MC/ER / MDF	MAIN CROSS-CONNECT/EQUIPMENT ROOM / MAIN DISTRIBUTION FRAME
+N	INDICATES MOUNTING HEIGHT (N) TO BOTTOM OF DEVICE FROM FINISH FLOOR UNLESS NOTED OTHERWISE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
TCP	TEMPERATURE CONTROL PANEL
TR / IDF	TELECOMMUNICATIONS ROOM / INTERMEDIATE DISTRIBUTION FRAME
T.T.B.	TELEPHONE TERMINATION BOARD
TV	TELEVISION
UNO	UNLESS NOTED OTHERWISE
VIF	VERIFY IN FIELD
VC	VOLUME CONTROL
W	WALL MOUNTED
V.I.	VIDEO INPUT LOCATION
D	DEMO TABLE
WG	WIRE GUARD
R	RELEASE
DF	DUAL FACE
WP	WEATHER PROOF
VO	VIDEO OUTPUT
PTZ	PAN TILT ZOOM
ETR	EXISTING TO REMAIN
VP	VIDEO PROJECTOR
S	SURFACE MOUNTED



1 **T1.01 - CONDUIT SLEEVES DETAIL**

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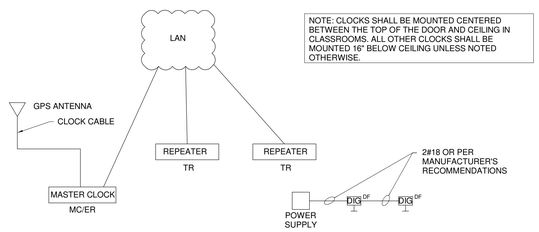
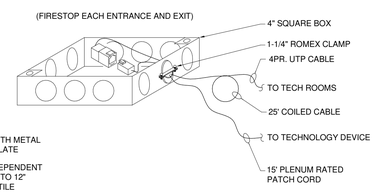


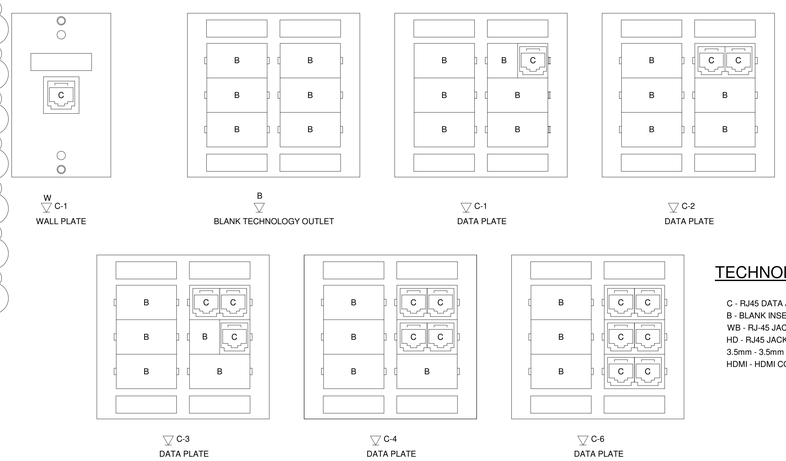
2 **CLOCK SYSTEMS DIAGRAM**

N.T.S.



3 **T1.01 - ABOVE CEILING JUNCTION BOX - WIRING DETAIL**

N.T.S.



TECHNOLOGY FACEPLATE ABBREVIATIONS

C - RJ45 DATA JACK
B - BLANK INSERT
WB - RJ-45 JACK FOR USB INTERACTIVITY
HD - RJ45 JACK FOR VIDEO
3.5mm - 3.5mm SOLDER JACK
HDMI - HDMI CONNECTOR

NOTE: REFER TO AV WIRING DETAILS FOR EXACT CONFIGURATIONS OF VIDEO INPUT (V.I.), VIDEO OUTPUT (VO), AND AV CABINET LOCATIONS.

4 **WALL PLATE CONFIGURATIONS**

N.T.S.

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CONSTRUCTION DOCUMENTS

BRIAN W. BUTLER REGISTERED No. PE19900001 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: QDJ
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06-29-20

TECHNOLOGY DETAILS

T1.01

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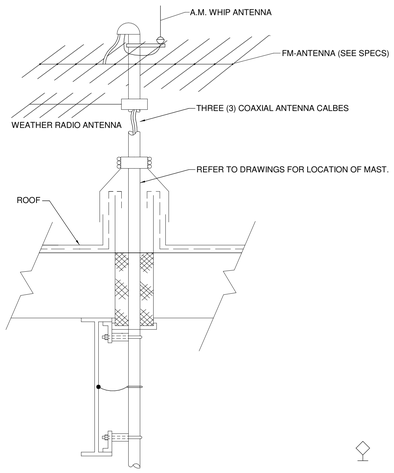
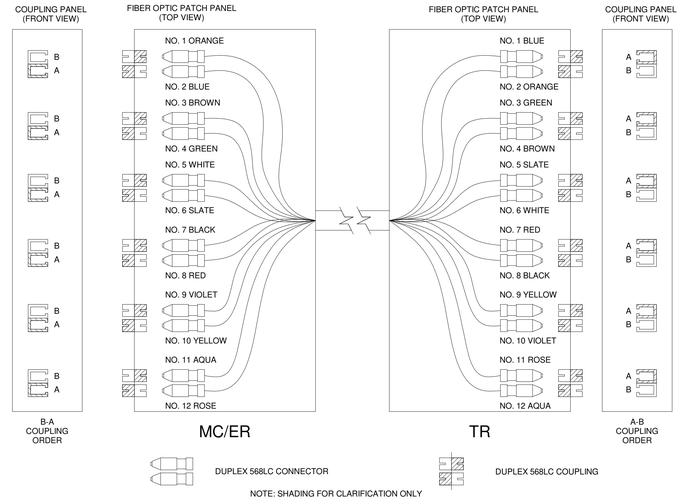


1 AM/FM RADIO ANTENNA MAST WIRING DETAIL

N.T.S.



2 CROSSOVER IMPLEMENTATION DIAGRAM

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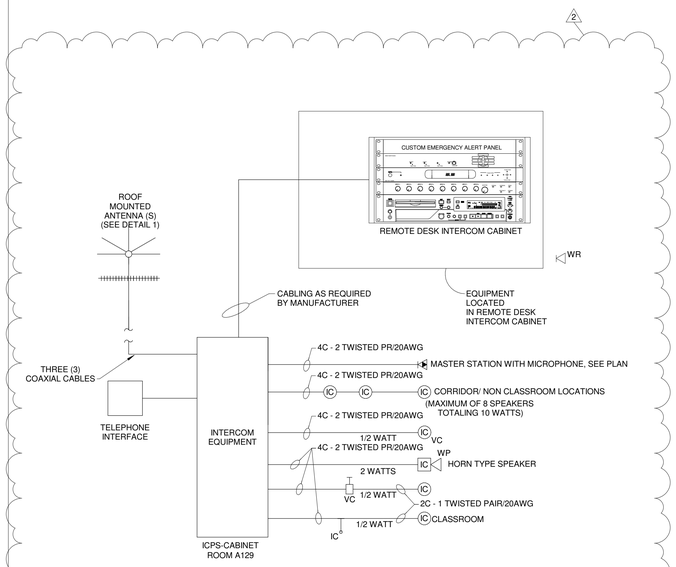
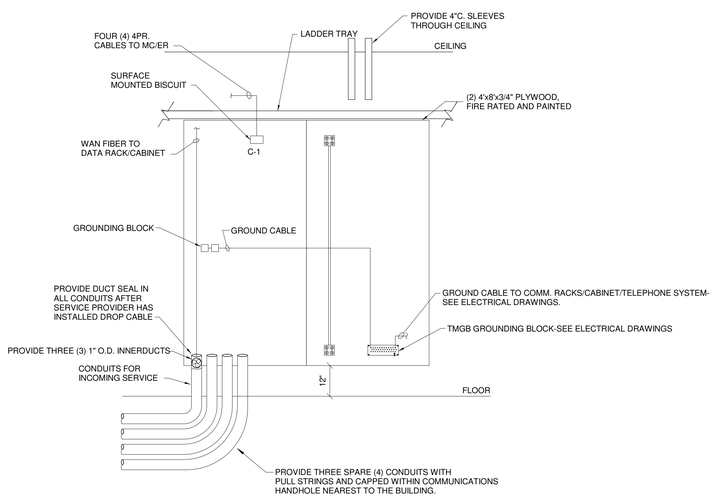


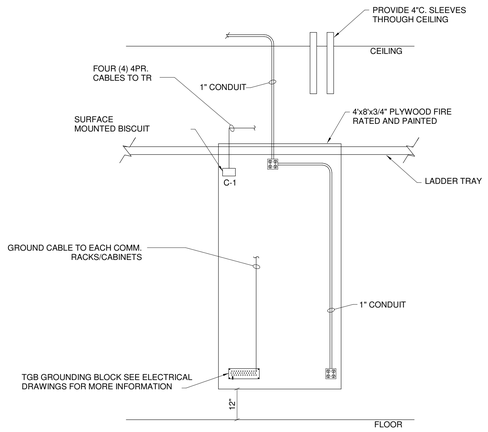
3 INTERCOMMUNICATIONS AND PROGRAM SYSTEM RISER

N.T.S.



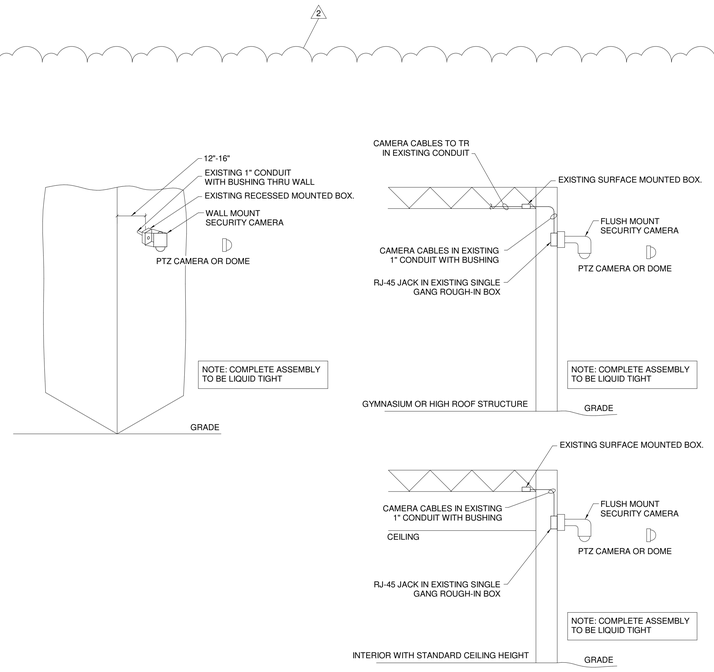
4 MC/ER TECHNOLOGY TELEPHONE TERMINATION BOARD

N.T.S.



5 TR TECHNOLOGY TELEPHONE TERMINATION BOARD

N.T.S.



6 VIDEO SURVEILLANCE SYSTEM WIRING DETAIL

N.T.S.

NOTE: ALL CAMERA DATA CABLING SHALL BE CATEGORY 6A.

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CONSTRUCTION DOCUMENTS

BRIAN W. BUTLER REGISTERED No. PE19900001 STATE OF PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: QDJ
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06-29-20

TECHNOLOGY DETAILS

T1.02

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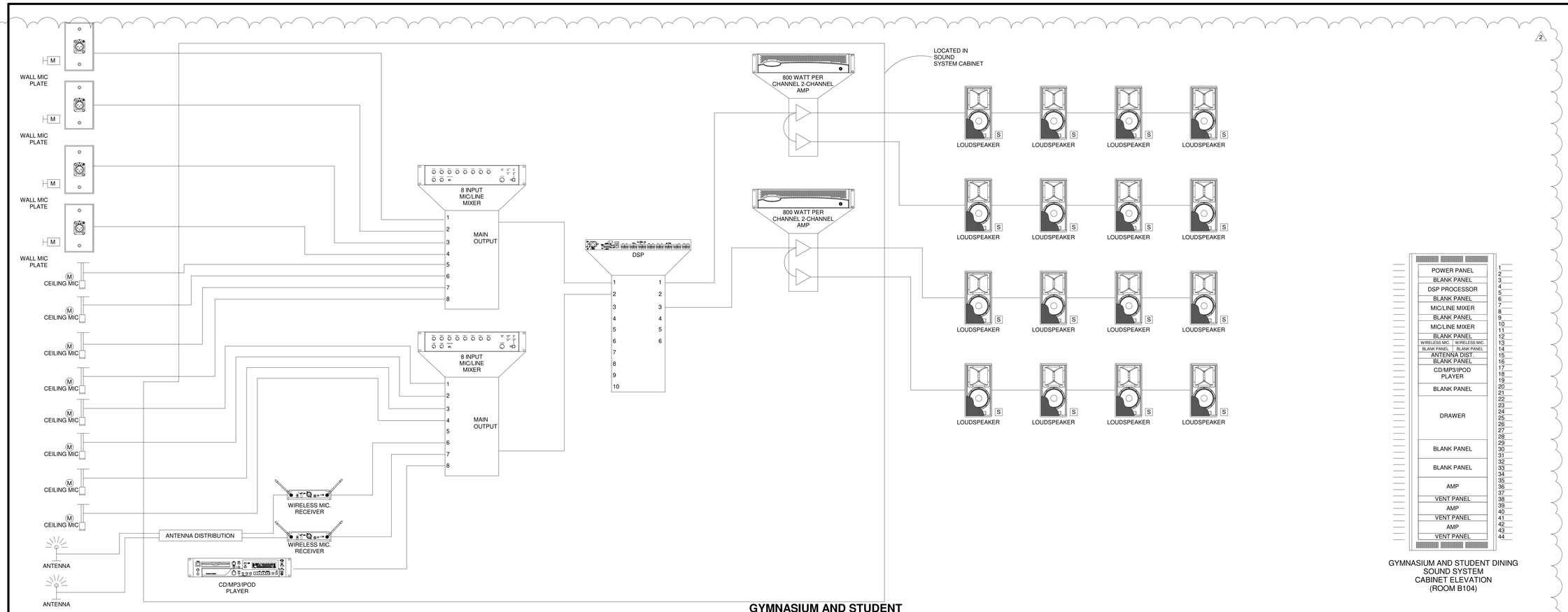
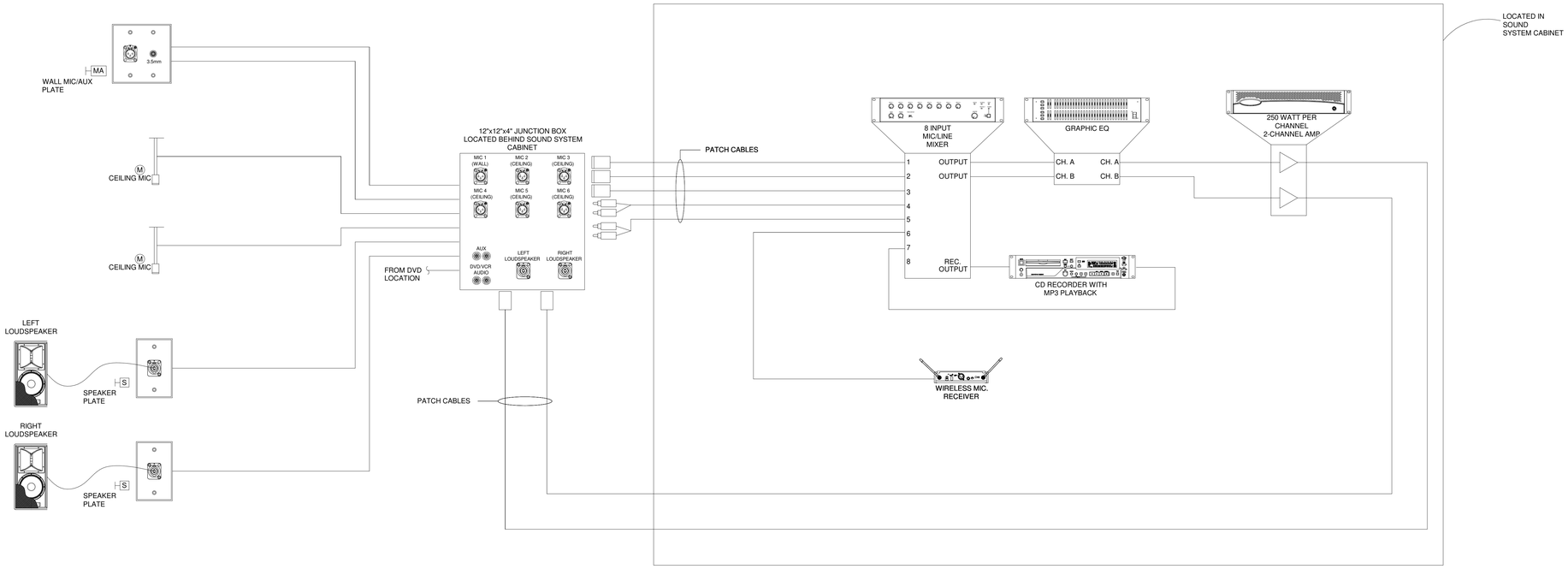


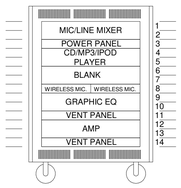
GYMNASIUM AND STUDENT DINING SOUND SYSTEM CABINET ELEVATION (ROOM B104)

1 GYMNASIUM AND STUDENT DINING SOUND SYSTEM DETAIL

N.T.S.



MUSIC ROOM SOUND SYSTEM RISER DIAGRAM



MUSIC ROOM SOUND SYSTEM CABINET ELEVATION

2 MUSIC ROOM SOUND SYSTEM DETAIL

N.T.S.

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350 East New York Street, Suite 300, Indianapolis, IN 46204

CONSTRUCTION DOCUMENTS

BRIAN W. BUTLER REGISTERED No. PE10700020 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: QDJ
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06-29-20

TECHNOLOGY DETAILS

T1.05

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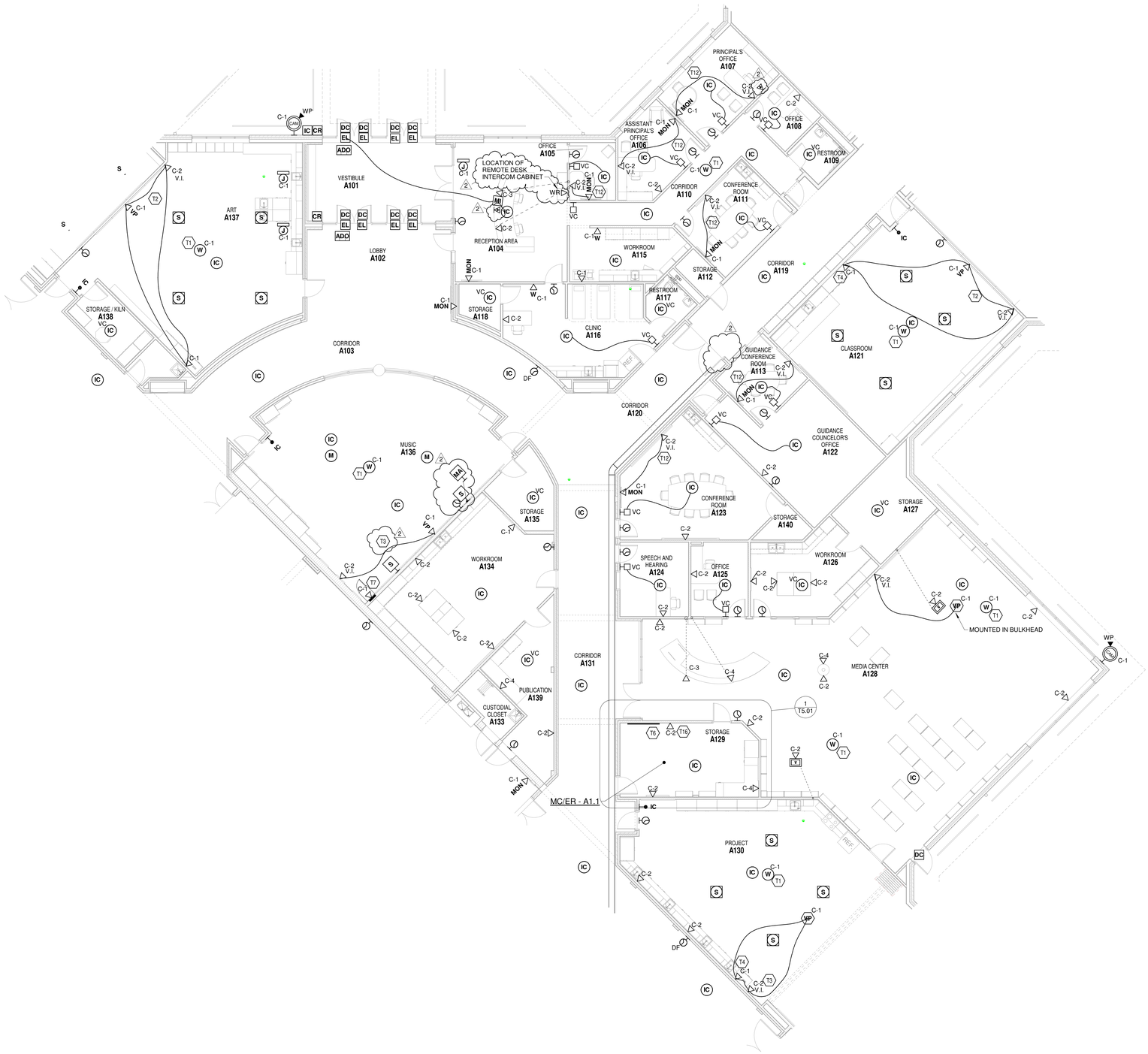
ROOM LEGEND - FIRST FLOOR UNIT A		
ROOM NO.	ROOM NAME	AREA (SF)
A101	VESTIBULE	341 SF
A102	LOBBY	366 SF
A103	CORRIDOR	925 SF
A104	RECEPTION AREA	470 SF
A105	OFFICE	80 SF
A106	ASSISTANT PRINCIPAL'S OFFICE	166 SF
A107	PRINCIPAL'S OFFICE	214 SF
A108	OFFICE	87 SF
A109	RESTROOM	56 SF
A110	CORRIDOR	230 SF
A111	CONFERENCE ROOM	208 SF
A112	STORAGE	34 SF
A113	GUIDANCE CONFERENCE ROOM	127 SF
A115	WORKROOM	175 SF
A116	CLINIC	366 SF
A117	RESTROOM	54 SF
A118	STORAGE	48 SF
A119	CORRIDOR	488 SF
A120	CORRIDOR	289 SF
A121	CLASSROOM	956 SF
A122	GUIDANCE COUNCELOR'S OFFICE	377 SF
A123	CONFERENCE ROOM	433 SF
A124	SPEECH AND HEARING	154 SF
A125	OFFICE	127 SF
A126	WORKROOM	261 SF
A127	STORAGE	180 SF
A128	MEDIA CENTER	2434 SF
A129	STORAGE	305 SF
A130	PROJECT	1039 SF
A131	CORRIDOR	706 SF
A133	CUSTODIAL CLOSET	60 SF
A134	WORKROOM	600 SF
A135	STORAGE	112 SF
A136	MUSIC	1162 SF
A137	ART	1105 SF
A138	STORAGE / KILN	102 SF
A139	PUBLICATION	222 SF
A140	STORAGE	35 SF
A141	JANITOR CLOSET	43 SF



UNIT A - FIRST FLOOR TECHNOLOGY PLAN

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

TECHNOLOGY PLAN NOTES

T1	PROVIDE CATEGORY 6A DATA DROPS FOR WIRELESS ACCESS POINTS. PROVIDE 20FT. SLACK LOOP COILED NEATLY AND SUPPORTED ABOVE THE CEILING. TERMINATE CABLES WITH RJ45 MODULAR JACKS AND TEST PER SPECIFICATIONS. NOTE LOCATION ON RECORD DRAWINGS AND MARK LOCATION ON CEILING GRID WITH BLUE DOT. SLACK LOOP NOT NECESSARY FOR LOCATIONS WITH CONDUIT SUCH AS GYMNASIUMS.
T2	SEE DETAIL 2/ T1.03 FOR CABLING BETWEEN THE VIDEO DISPLAY, SOUND REINFORCEMENT SYSTEM, AND VIDEO INPUT.
T3	SEE DETAIL 3/ T1.03 FOR CABLING BETWEEN THE VIDEO DISPLAY(S) AND VIDEO INPUT.
T4	LOCATION OF SOUND REINFORCEMENT SYSTEM.
T6	LOCATION OF MC/ER-MAIN EQUIPMENT ROOM WITH VOICE, VIDEO AND DATA EQUIPMENT WITH UPS ETC. REFERENCE TO DETAILS 4/ T1.02 FOR MORE INFORMATION.
T7	SEE DETAIL 2/T1.06 FOR MUSIC ROOM SOUND SYSTEM.
T12	SEE DETAIL 4/ T1.03 FOR CABLING BETWEEN THE VIDEO DISPLAY AND VIDEO INPUT.
T16	PROVIDE DATA OUTLETS IN SURFACE MOUNT BISCUIT FOR OWNER PROVIDED ACCESS CONTROL HARDWARE. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.

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ZIONSVILLE COMMUNITY SCHOOLS

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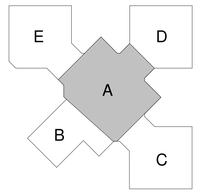

KEY PLAN

CONSTRUCTION DOCUMENTS

BRIAN W. BUTLER
REGISTERED
No.
PE10100020
STATE OF
PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: CDJ
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	06-19-20
2	ADDENDUM #2	06-29-20

UNIT A - FIRST FLOOR TECHNOLOGY PLAN

T3.01

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UNIT B - FIRST FLOOR TECHNOLOGY PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT B

ROOM NO.	ROOM NAME	AREA (SF)
B101	VESTIBULE	270 SF
B102	EVENT LOBBY	1567 SF
B103	STUDENT DINING	3444 SF
B104	RAMP	199 SF
B105	PLATFORM	845 SF
B106	STORAGE	118 SF
B107	CHAIR STORAGE	148 SF
B108	GYMNASIUM	6377 SF
B109	PE OFFICE	129 SF
B110	PE STORAGE	272 SF
B111	OUTDOOR STORAGE	467 SF
B112	MECHANICAL	1212 SF
B113	ELECTRICAL	167 SF
B114	COOLER / FREEZER	331 SF
B115	WARE WASHING	254 SF
B116	SERVING AREA	216 SF
B117	KITCHEN	1241 SF
B118	OFFICE	81 SF
B119	RESTROOM	53 SF
B120	CORRIDOR	350 SF
B121	DRY FOOD STORAGE	204 SF
B122	CUSTODIAL	75 SF
B123	OFFICE	108 SF
B124	CORRIDOR	372 SF
B125	CORRIDOR	488 SF
B126	ELECTRICAL	57 SF
B126	Room	Not Placed
B127	STORAGE	81 SF
B128	CORRIDOR	314 SF

TECHNOLOGY PLAN NOTES

T1	PROVIDE CATEGORY 6A DATA DROPS FOR WIRELESS ACCESS POINTS. PROVIDE 20FT. SLACK LOOP COILED NEATLY AND SUPPORTED ABOVE THE CEILING. TERMINATE CABLES WITH RJ45 MODULAR JACKS AND TEST PER SPECIFICATIONS. NOTE LOCATION ON RECORD DRAWINGS AND MARK LOCATION ON CEILING GRID WITH BLUE DOT. SLACK LOOP NOT NECESSARY FOR LOCATIONS WITH CONDUIT SUCH AS GYMNASIUMS.
T2	SEE DETAIL 2/ T1.03 FOR CABLING BETWEEN THE VIDEO DISPLAY, SOUND REINFORCEMENT SYSTEM, AND VIDEO INPUT.
T4	LOCATION OF SOUND REINFORCEMENT SYSTEM.
T8	SEE DETAIL 1/T1.06 FOR GYMNASIUM AND STUDENT DINING SOUND SYSTEM.
T9	PROVIDE CABLES FOR FREEZER ALARM. VERIFY EXACT LOCATION WITH KITCHEN EQUIPMENT CONTRACTOR.
T10	PROVIDE CABLES FOR TEMP. CONTROL PANELS. VERIFY EXACT LOCATION WITH TEMP. CONTROL CONTRACTOR.
T11	PROVIDE FROM EACH POINT OF SALE LOCATION ONE CABLE TO ROOM A129 AND ONE CABLE TO MCER-A1.1.
T19	TWO-WAY RADIO, RUN 1" CONDUIT FROM JUNCTION BOX UP TO A WEATHER HEAD ON THE ROOF FOR THE FUTURE TWO-WAY RADIO BY OWNER.
T20	SEE DETAIL 1/ T1.02 FOR MORE INFORMATION ON AM/FM RADIO ANTENNA MAST.

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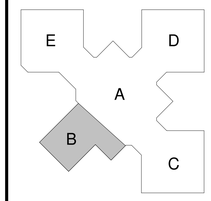

KEY PLAN

CONSTRUCTION DOCUMENTS

BRIAN W. BUTLER
REGISTERED
No.
PE10000
STATE OF
INDIANA
PROFESSIONAL ENGINEER

PROJECT MANAGER: CT

DRAWN BY: QDJ

PROJECT NUMBER: 219124.00

PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	06-19-20
2	ADDENDUM #2	06-29-20

UNIT B - FIRST FLOOR TECHNOLOGY PLAN

T3.02

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ROOM LEGEND - FIRST FLOOR UNIT C		
ROOM NO.	ROOM NAME	AREA (SF)
C101	CORRIDOR	597 SF
C102	PROJECT / LGI	971 SF
C103	CLASSROOM	897 SF
C104	CLASSROOM	976 SF
C105	CLASSROOM	911 SF
C106	CLASSROOM	976 SF
C107	CLASSROOM	983 SF
C108	CORRIDOR	182 SF
C109	VESTIBULE	70 SF
C110	CLASSROOM	974 SF
C111	CLASSROOM	990 SF
C112	CLASSROOM	982 SF
C113	CLASSROOM	911 SF
C114	CLASSROOM	975 SF
C115	CLASSROOM	898 SF
C116	SPECIAL EDUCATION RESOURCE	946 SF
C117	RESTROOM	56 SF
C118	QUIET ROOM	54 SF
C119	CORRIDOR	78 SF
C120	COMMONS	1165 SF
C121	CORRIDOR	143 SF
C122	COMMONS	1165 SF
C123	TECHNOLOGY CLOSET	61 SF
C124A	SMALL GROUP ROOM	131 SF
C124B	SMALL GROUP ROOM	131 SF
C125	RESTROOM VESTIBULE	72 SF
C126	GIRL'S RESTROOM	146 SF
C127	BOY'S RESTROOM	146 SF
C128	RESTROOM	47 SF
C129	WORKROOM	178 SF
C130	CUSTODIAL CLOSET	68 SF
C131	RESTROOM VESTIBULE	72 SF
C132	BOY'S RESTROOM	146 SF
C133	GIRL'S RESTROOM	146 SF

TECHNOLOGY PLAN NOTES

T1	PROVIDE CATEGORY 6A DATA DROPS FOR WIRELESS ACCESS POINTS. PROVIDE 20FT. SLACK LOOP COILED NEATLY AND SUPPORTED ABOVE THE CEILING. TERMINATE CABLES WITH RJ45 MODULAR JACKS AND TEST PER SPECIFICATIONS. NOTE LOCATION ON RECORD DRAWINGS AND MARK LOCATION ON CEILING GRID WITH BLUE DOT. SLACK LOOP NOT NECESSARY FOR LOCATIONS WITH CONDUIT SUCH AS GYMNASIUMS.
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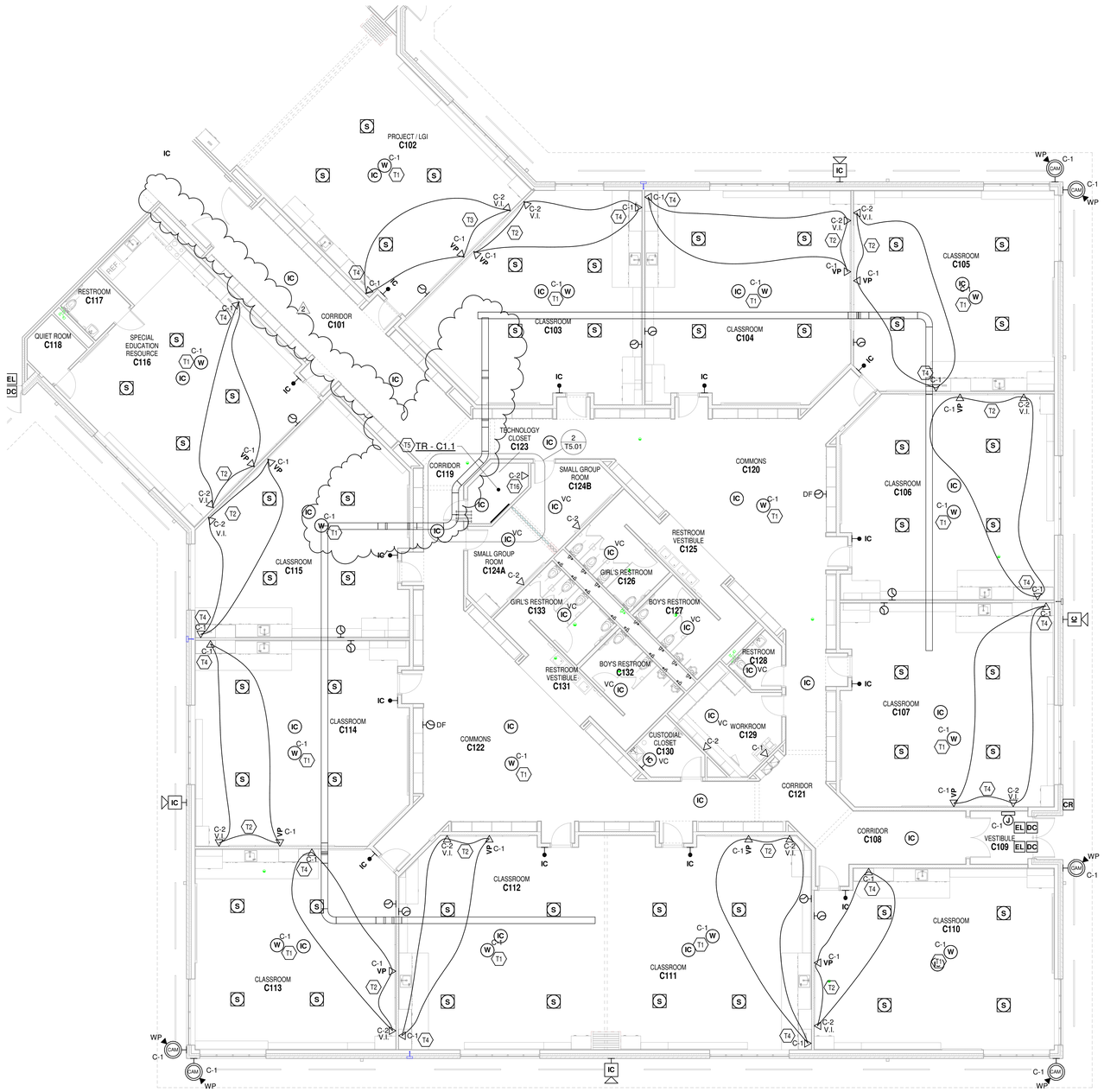
T3	SEE DETAIL 3/ T1.03 FOR CABLING BETWEEN THE VIDEO DISPLAY(S) AND VIDEO INPUT.
T4	LOCATION OF SOUND REINFORCEMENT SYSTEM.
T5	LOCATION OF TR/ TELECOMMUNICATION EQUIPMENT ROOM WITH RACK(S), CABINET(S), SWITCHES AND UPS ETC. REFERENCE TO DETAILS 5/ T1.02 FOR MORE INFORMATION.
T16	PROVIDE DATA OUTLETS IN SURFACE MOUNT BISCUIT FOR OWNER PROVIDED ACCESS CONTROL HARDWARE. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.



UNIT C - FIRST FLOOR TECHNOLOGY PLAN

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

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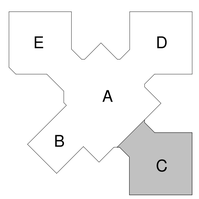

KEY PLAN

CONSTRUCTION DOCUMENTS

BRIAN W. BUTLER REGISTERED No. PE19900001 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: CDJ
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06-29-20

UNIT C - FIRST FLOOR TECHNOLOGY PLAN

T3.03

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ROOM LEGEND - FIRST FLOOR UNIT D		
ROOM NO.	ROOM NAME	AREA (SF)
D101	CORRIDOR	216 SF
D102	CLASSROOM	897 SF
D103	CLASSROOM	976 SF
D104	CLASSROOM	911 SF
D105	CLASSROOM	976 SF
D106	CLASSROOM	983 SF
D107	CORRIDOR	182 SF
D108	VESTIBULE	70 SF
D109	CLASSROOM	974 SF
D110	CLASSROOM	990 SF
D111	CLASSROOM	982 SF
D112	CLASSROOM	911 SF
D113	CLASSROOM	975 SF
D114	CLASSROOM	898 SF
D115	CORRIDOR	88 SF
D116	COMMONS	1160 SF
D117	CORRIDOR	143 SF
D118	COMMONS	1160 SF
D119	TECHNOLOGY CLOSET	61 SF
D120A	SMALL GROUP ROOM	131 SF
D120B	SMALL GROUP ROOM	131 SF
D121	RESTROOM VESTIBULE	72 SF
D122	GIRL'S RESTROOM	146 SF
D123	BOY'S RESTROOM	146 SF
D124	RESTROOM	47 SF
D125	WORKROOM	178 SF
D126	CUSTODIAL CLOSET	68 SF
D127	RESTROOM VESTIBULE	72 SF
D128	BOY'S RESTROOM	146 SF
D129	GIRL'S RESTROOM	146 SF

TECHNOLOGY PLAN NOTES

2

T1	PROVIDE CATEGORY 6A DATA DROPS FOR WIRELESS ACCESS POINTS. PROVIDE 20FT. SLACK LOOP COILED NEATLY AND SUPPORTED ABOVE THE CEILING. TERMINATE CABLES WITH RJ45 MODULAR JACKS AND TEST PER SPECIFICATIONS. NOTE LOCATION ON RECORD DRAWINGS AND MARK LOCATION ON CEILING GRID WITH BLUE DOT. SLACK LOOP NOT NECESSARY FOR LOCATIONS WITH CONDUIT SUCH AS GYMNASIUMS.
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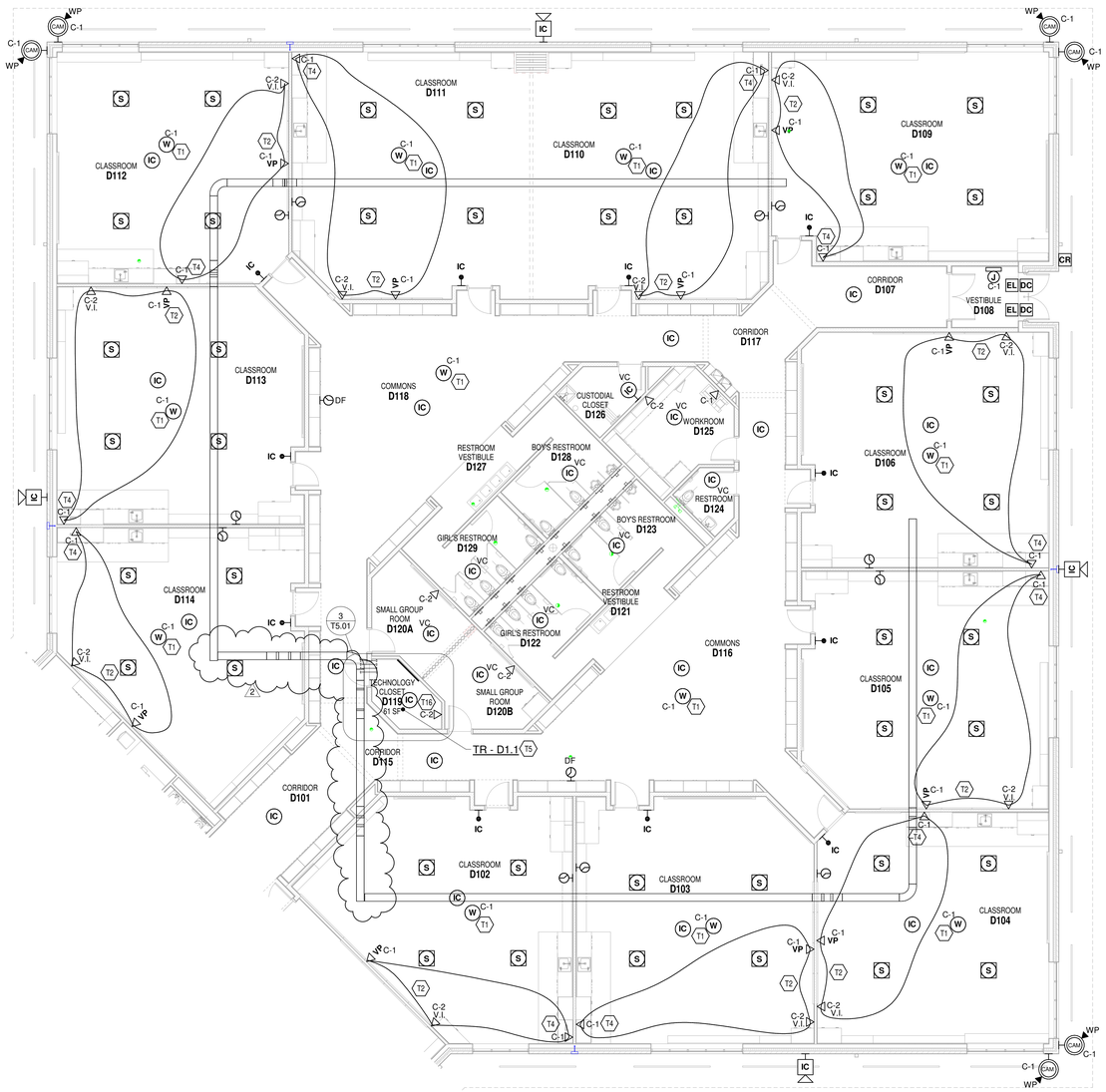
T4	LOCATION OF SOUND REINFORCEMENT SYSTEM.
T5	LOCATION OF TR/ TELECOMMUNICATION EQUIPMENT ROOM WITH RACK(S), CABINET(S), SWITCHES AND UPS ETC. REFERENCE TO DETAILS 5/ T1.02 FOR MORE INFORMATION.
T16	PROVIDE DATA OUTLETS IN SURFACE MOUNT BISCUIT FOR OWNER PROVIDED ACCESS CONTROL HARDWARE. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.



UNIT D - FIRST FLOOR TECHNOLOGY PLAN

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

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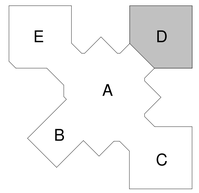

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT
DRAWN BY: QDJ
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06-29-20

UNIT D - FIRST FLOOR TECHNOLOGY PLAN

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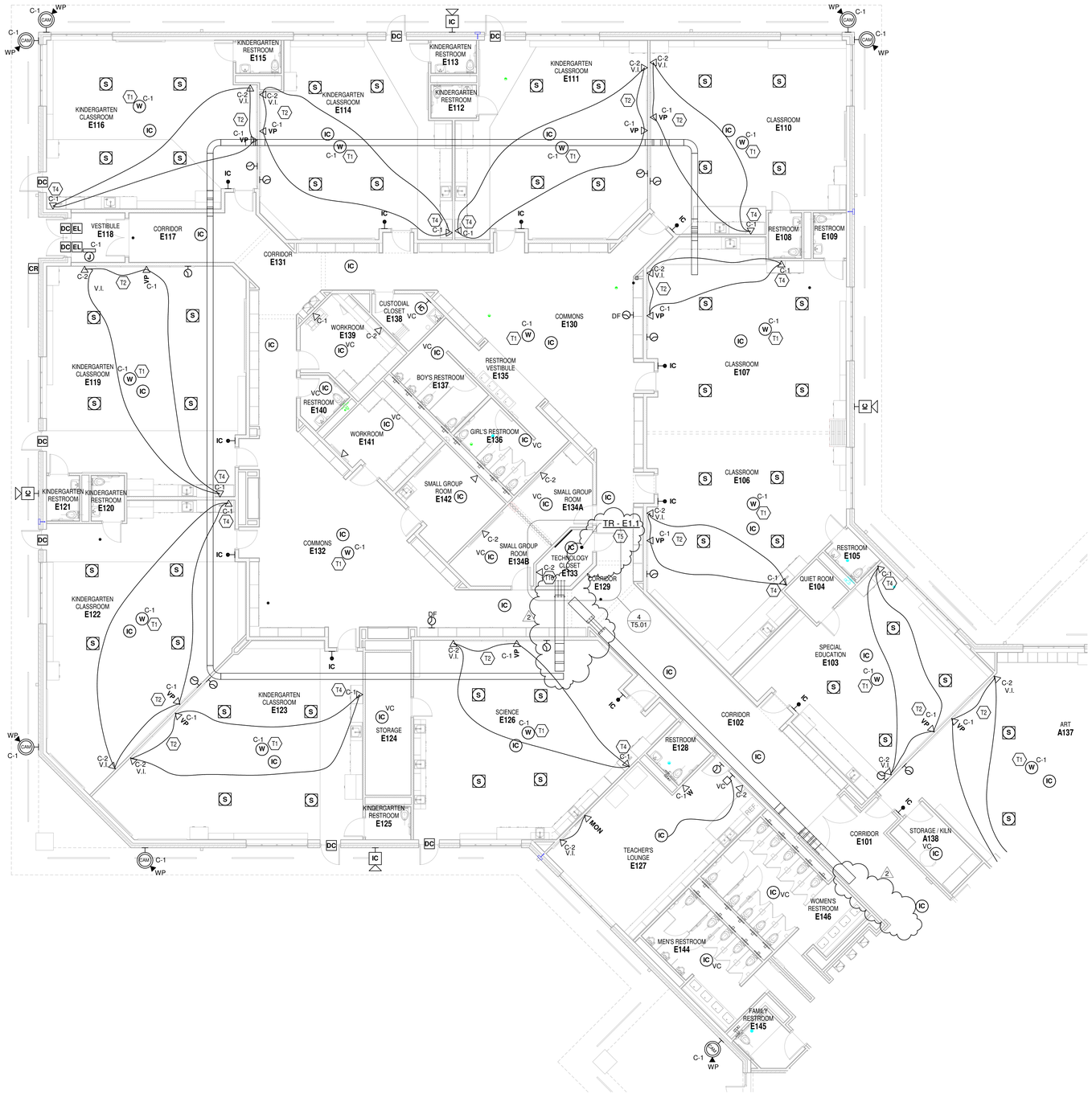

UNIT E - FIRST FLOOR TECHNOLOGY PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT E

ROOM NO.	ROOM NAME	AREA (SF)
E101	CORRIDOR	216 SF
E102	CORRIDOR	529 SF
E103	SPECIAL EDUCATION	789 SF
E104	QUIET ROOM	54 SF
E105	RESTROOM	39 SF
E106	CLASSROOM	942 SF
E107	CLASSROOM	954 SF
E108	RESTROOM	39 SF
E109	RESTROOM	39 SF
E110	CLASSROOM	942 SF
E111	KINDERGARTEN CLASSROOM	938 SF
E112	KINDERGARTEN RESTROOM	39 SF
E113	KINDERGARTEN RESTROOM	39 SF
E114	KINDERGARTEN CLASSROOM	907 SF
E115	KINDERGARTEN RESTROOM	39 SF
E116	KINDERGARTEN CLASSROOM	888 SF
E117	CORRIDOR	178 SF
E118	VESTIBULE	70 SF
E119	KINDERGARTEN CLASSROOM	1139 SF
E120	KINDERGARTEN RESTROOM	39 SF
E121	KINDERGARTEN RESTROOM	39 SF
E122	KINDERGARTEN CLASSROOM	1132 SF
E123	KINDERGARTEN CLASSROOM	1066 SF
E124	STORAGE	171 SF
E125	KINDERGARTEN RESTROOM	39 SF
E126	SCIENCE	1089 SF
E127	TEACHER'S LOUNGE	533 SF
E128	RESTROOM	54 SF
E129	CORRIDOR	83 SF
E130	COMMONS	1155 SF
E131	CORRIDOR	142 SF
E132	COMMONS	1136 SF
E133	TECHNOLOGY CLOSET	61 SF
E134A	SMALL GROUP ROOM	131 SF
E134B	SMALL GROUP ROOM	131 SF
E135	RESTROOM VESTIBULE	74 SF
E136	GIRL'S RESTROOM	146 SF
E137	BOY'S RESTROOM	146 SF
E138	CUSTODIAL CLOSET	68 SF
E139	WORKROOM	178 SF
E140	RESTROOM	47 SF
E141	WORKROOM	171 SF
E142	SMALL GROUP ROOM	171 SF
E144	MEN'S RESTROOM	255 SF
E145	FAMILY RESTROOM	63 SF
E146	WOMEN'S RESTROOM	333 SF

TECHNOLOGY PLAN NOTES

T1	PROVIDE CATEGORY 6A DATA DROPS FOR WIRELESS ACCESS POINTS. PROVIDE 20FT. SLACK LOOP COILED NEATLY AND SUPPORTED ABOVE THE CEILING. TERMINATE CABLES WITH RJ45 MODULAR JACKS AND TEST PER SPECIFICATIONS. NOTE LOCATION ON RECORD DRAWINGS AND MARK LOCATION ON CEILING GRID WITH BLUE DOT. SLACK LOOP NOT NECESSARY FOR LOCATIONS WITH CONDUIT SUCH AS GYMNASIUMS.
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T16	PROVIDE DATA OUTLETS IN SURFACE MOUNT BISCUIT FOR OWNER PROVIDED ACCESS CONTROL HARDWARE. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.

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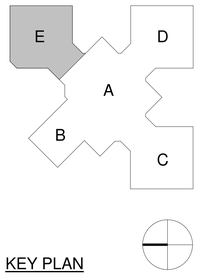

KEY PLAN

CONSTRUCTION DOCUMENTS

PROJECT MANAGER: CT
DRAWN BY: QDJ
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06-29-20

UNIT E - FIRST FLOOR TECHNOLOGY PLAN

T3.05

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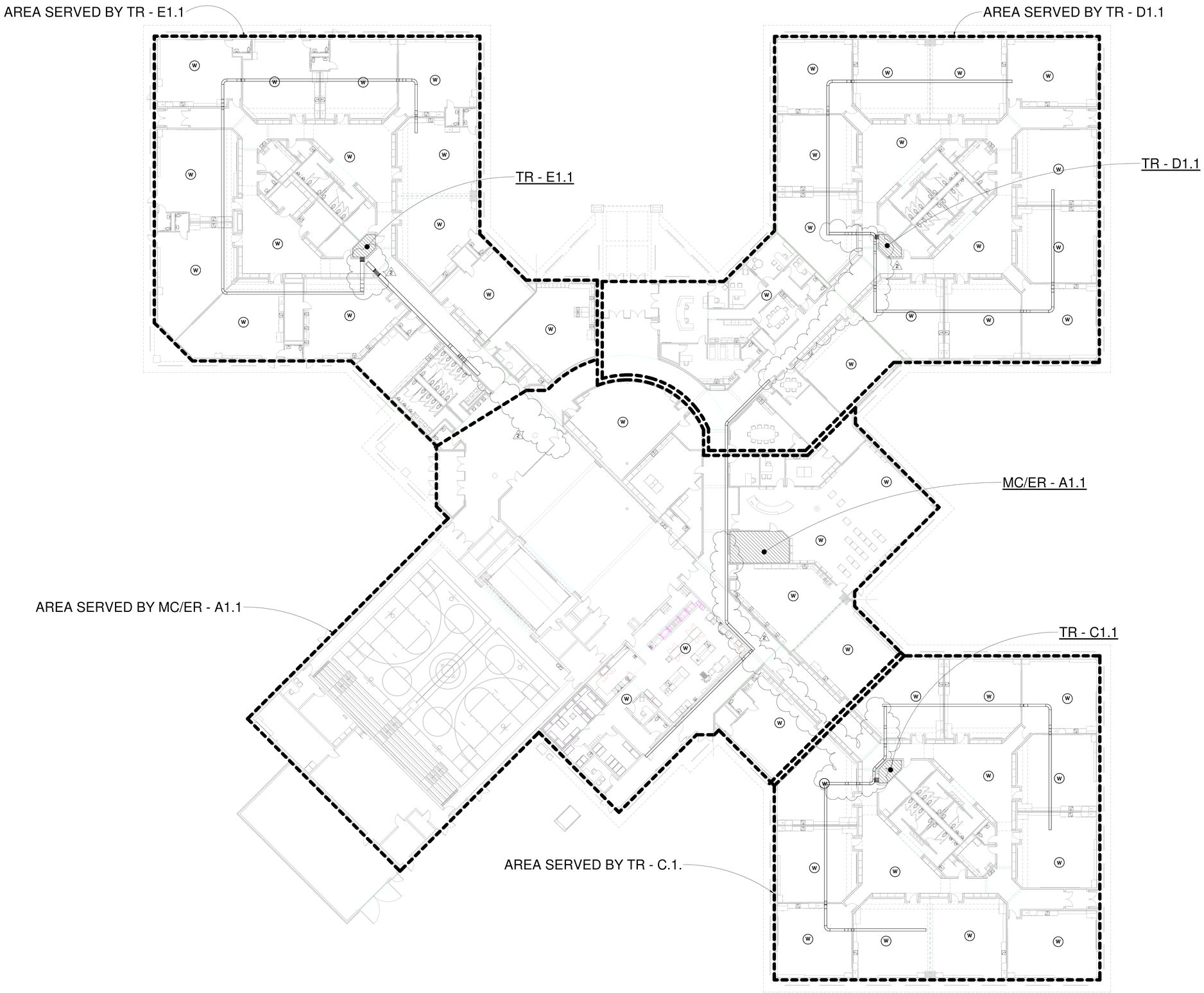

OVERALL FIRST FLOOR TECHNOLOGY PLAN
SCALE: 1/16" = 1'-0"

ZIONSVILLE ELEMENTARY SCHOOL

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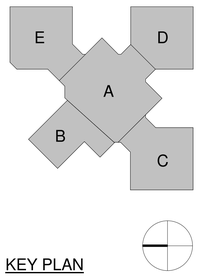

KEY PLAN

CONSTRUCTION DOCUMENTS

BRIAN W. BUTLER
REGISTERED
No.
PE10100020
STATE OF
PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: GDJ
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06-29-20

OVERALL FIRST FLOOR TECHNOLOGY PLAN

T4.01

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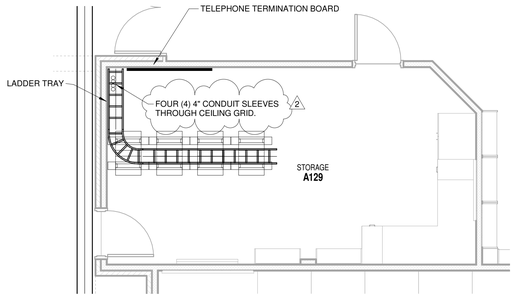
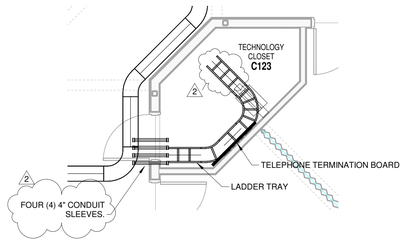


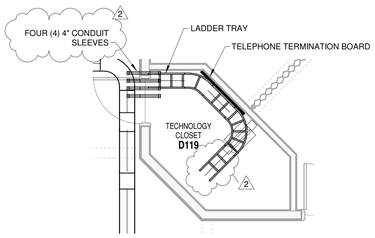
1 ENLARGED TECHNOLOGY ROOM LAYOUT - MC/ER - A1.1

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



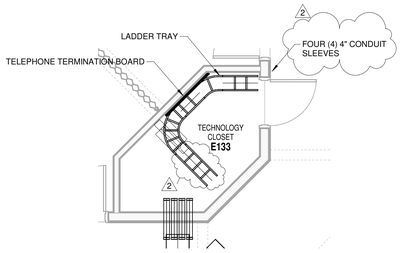
2 ENLARGED TECHNOLOGY ROOM LAYOUT - TR - C1.1

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



3 ENLARGED TECHNOLOGY ROOM LAYOUT - TR - D1.1

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



4 ENLARGED TECHNOLOGY ROOM LAYOUT - TR - E1.1

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

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CONSTRUCTION DOCUMENTS

BRIAN W. BUTLER REGISTERED No. PE19900001 STATE OF PROFESSIONAL ENGINEER

PROJECT MANAGER: CT
DRAWN BY: QDJ
PROJECT NUMBER: 219124.00
PROJECT ISSUE DATE: JUNE 5, 2020

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06-29-20

ENLARGED TECHNOLOGY ROOM LAYOUT

2

T5.01

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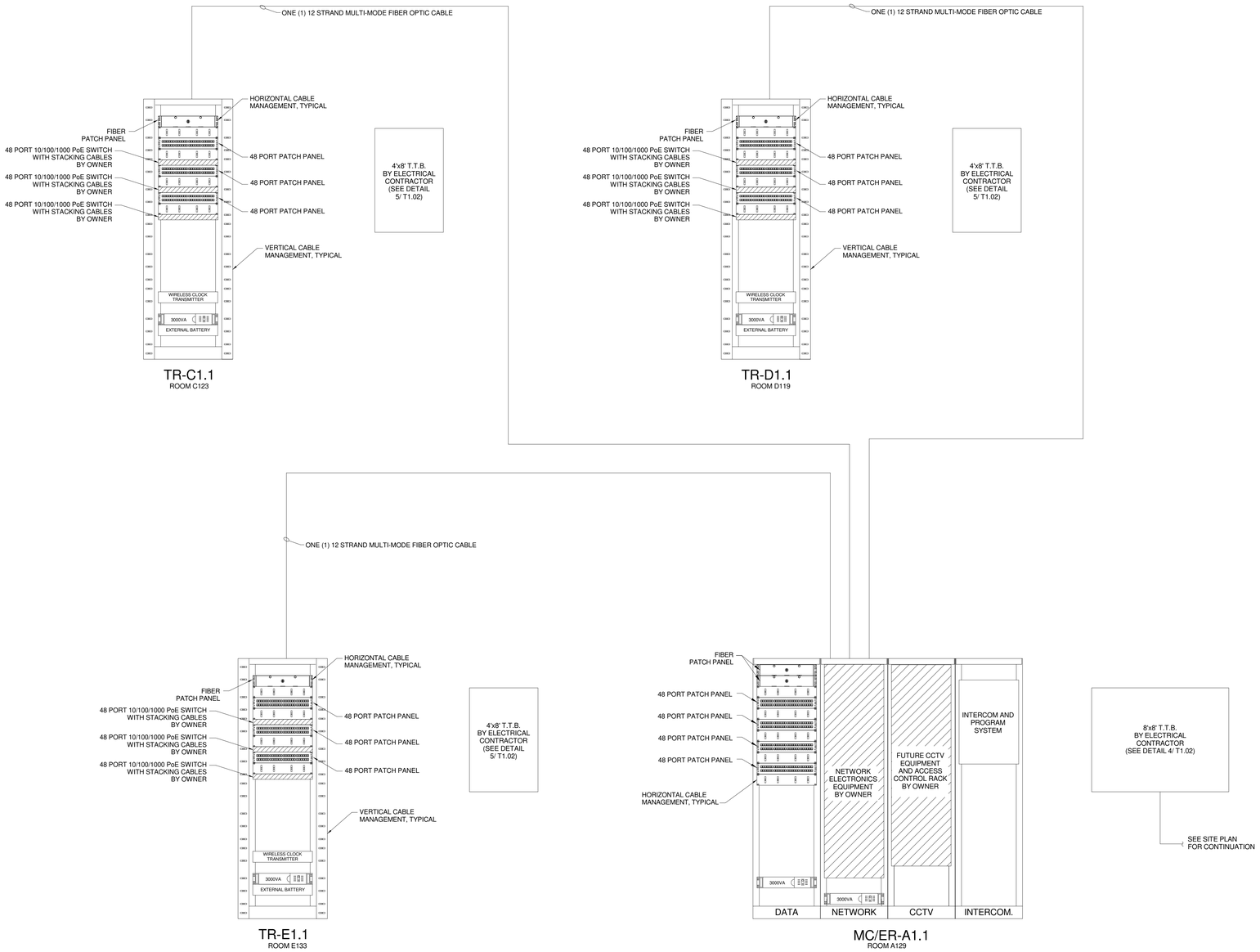

1 **NETWORK ELECTRONICS/ RISER DIAGRAMS**

N.T.S.

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REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	06-29-20

NETWORK ELECTRONICS/ RISER DIAGRAMS

2

T6.01

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